Table: Concrete Column PMM Envelope - ACI 318-08, Part 2 of 2

Story	Label	UniqueName	Location	PMM Ratio or Rebar %
Unitless	Unitless	Unitless	Unitless	Unitless
Piso 2	C168	133	Top	0.225
Piso 2	C168	133	Bottom	0.349
Piso 2	C57	6	Top	0.667
Piso 2	C57	6	Bottom	0.812
Piso 1	C1	407	Top	0.155
Piso 1	C1	407	Bottom	0.405
Piso 1	C2	418	Top	0.212
Piso 1	C2	418	Bottom	0.388
Piso 1	C3	422	Top	0.171
Piso 1	C3	422	Bottom	0.39
Piso 1	C4	426	Top	0.205
Piso 1	C4	426	Bottom	0.544
Piso 1	C5	430	Top	0.147
Piso 1	C5	430	Bottom	0.524
Piso 1	C6	434	Top	0.128
Piso 1	C6	434	Bottom	0.504
Piso 1	C7	438	Top	0.146
Piso 1	C7	438	Bottom	0.491
Piso 1	C8	479	Top	0.153
Piso 1	C8	479	Bottom	0.494
Piso 1	C9	483	Top	0.138
Piso 1	C9	483	Bottom	0.356
Piso 1	C10	487	Top	0.11
Piso 1	C10	487	Bottom	0.228
Piso 1	C11	491	Top	0.123
Piso 1	C11	491	Bottom	0.255
Piso 1	C12	495	Top	0.362
Piso 1	C12	495	Bottom	0.743
Piso 1	C13	499	Top	0.333
Piso 1	C13	499	Bottom	0.712
Piso 1	C14	503	Top	0.378
Piso 1	C14	503	Bottom	0.74
Piso 1	C15	507	Top	0.321
Piso 1	C15	507	Bottom	0.653
Piso 1	C16	511	Top	0.339
Piso 1	C16	511	Bottom	0.633
Piso 1	C17	515	Top	0.306
Piso 1	C17	515	Bottom	0.63
Piso 1	C18	519	Top	0.345
Piso 1	C18	519	Bottom	0.686
Piso 1	C19	523	Top	0.316
Piso 1	C19	523	Bottom	0.647
Piso 1	C20	527	Top	0.356
Piso 1	C20	527	Bottom	0.645
Piso 1	C21	531	Top	0.334
Piso 1	C21	531	Bottom	0.62
Piso 1	C22	535	Top	0.361
Piso 1	C22	535	Bottom	0.647
Piso 1	C23	539	Top	0.354
Piso 1	C23	539	Bottom	0.621
Piso 1	C24	543	Top	0.327
Piso 1	C24	543	Bottom	0.628
Piso 1	C25	547	Top	0.329

Table: Concrete Column PMM Envelope - ACI 318-08, Part 2 of 2

Story	Label	UniqueName	Location	PMM Ratio or Rebar %
Unitless	Unitless	Unitless	Unitless	Unitless
Piso 1	C25	547	Bottom	0.596
Piso 1	C26	574	Top	0.328
Piso 1	C26	574	Bottom	0.656
Piso 1	C27	600	Top	0.339
Piso 1	C27	600	Bottom	0.61
Piso 1	C28	608	Top	0.266
Piso 1	C28	608	Bottom	0.517
Piso 1	C29	612	Top	0.269
Piso 1	C29	612	Bottom	0.482
Piso 1	C33	628	Top	0.13
Piso 1	C33	628	Bottom	0.351
Piso 1	C34	632	Top	0.151
Piso 1	C34	632	Bottom	0.458
Piso 1	C35	636	Top	0.093
Piso 1	C35	636	Bottom	0.268
Piso 1	C36	640	Top	0.094
Piso 1	C36	640	Bottom	0.241
Piso 1	C37	644	Top	0.083
Piso 1	C37	644	Bottom	0.348
Piso 1	C38	652	Top	0.14
Piso 1	C38	652	Bottom	0.351
Piso 1	C39	656	Top	0.176
Piso 1	C39	656	Bottom	0.398
Piso 1	C40	660	Top	0.196
Piso 1	C40	660	Bottom	0.422
Piso 1	C41	664	Top	0.245
Piso 1	C41	664	Bottom	0.441
Piso 1	C42	668	Top	0.28
Piso 1	C42	668	Bottom	0.482
Piso 1	C43	672	Top	0.213
Piso 1	C43	672	Bottom	0.481
Piso 1	C44	676	Top	0.162
Piso 1	C44	676	Bottom	0.405
Piso 1	C45	680	Top	0.193
Piso 1	C45	680	Bottom	0.445
Piso 1	C46	684	Top	0.153
Piso 1	C46	684	Bottom	0.361
Piso 1	C54	714	Top	0.152
Piso 1	C54	714	Bottom	0.42
Piso 1	C117	5	Top	0.176
Piso 1	C117	5	Bottom	0.518
Piso 1	C126	13	Top	0.14
Piso 1	C126	13	Bottom	0.249
Piso 1	C128	616	Top	0.135
Piso 1	C128	616	Bottom	0.299
Piso 1	C141	620	Top	0.123
Piso 1	C141	620	Bottom	0.264
Piso 1	C143	624	Top	0.144
Piso 1	C143	624	Bottom	0.254
Piso 1	C30	696	Top	0.149
Piso 1	C30	696	Bottom	0.221
Piso 1	C47	648	Top	0.131
Piso 1	C47	648	Bottom	0.443

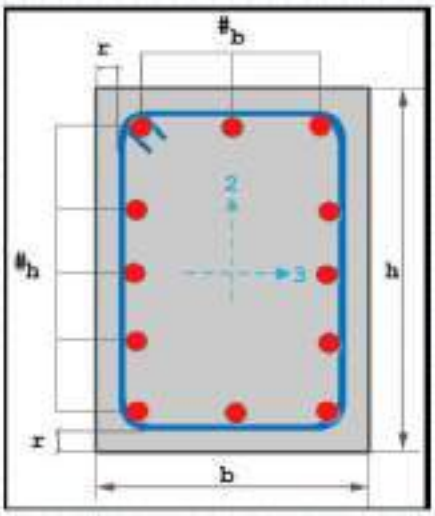
Table: Concrete Column PMM Envelope - ACI 318-08, Part 2 of 2

Story	Label	UniqueName	Location	PMM Ratio or Rebar %
Unitless	Unitless	Unitless	Unitless	Unitless
Piso 1	C48	704	Top	0.299
Piso 1	C48	704	Bottom	0.227
Piso 1	C50	708	Top	0.36
Piso 1	C50	708	Bottom	0.177
Piso 1	C49	111	Top	0.172
Piso 1	C49	111	Bottom	0.453
Piso 1	C51	51	Top	0.192
Piso 1	C51	51	Bottom	0.853
Piso 1	C52	56	Top	0.176
Piso 1	C52	56	Bottom	0.44
Piso 1	C53	109	Top	0.182
Piso 1	C53	109	Bottom	0.442
Piso 1	C73	65	Top	0.15
Piso 1	C73	65	Bottom	0.43
Piso 1	C65	818	Top	0.234
Piso 1	C65	818	Bottom	0.648
Piso 1	C66	878	Top	0.254
Piso 1	C66	878	Bottom	0.581
Piso 1	C69	928	Top	0.094
Piso 1	C69	928	Bottom	0.209
Piso 1	C145	135	Top	0.121
Piso 1	C145	135	Bottom	0.235
Piso 1	C149	923	Top	0.104
Piso 1	C149	923	Bottom	0.415
Piso 1	C169	130	Top	0.096
Piso 1	C169	130	Bottom	0.388
Piso 1	C57	9	Top	0.206
Piso 1	C57	9	Bottom	0.548

	CHEQUEO MANUAL DE COLUMNAS	

DIAGRAMA DE INTERACIÓN DE COLUMNAS RECTANGULARES PM2, PM3 Y 3D

A) Materiales



Concreto $f'_c := 280\ \frac{kgf}{cm^2}$

Acero de refuerzo $f_y := 4200\ \frac{kgf}{cm^2}$

Módulo de elasticidad $E_s := 2030000\ \frac{kgf}{cm^2}$

B) Dimensiones

Altura $h := 60\ cm$

Ancho $b := 60\ cm$

Recubrimiento al estribo $r := 4\ cm$

C) Refuerzo

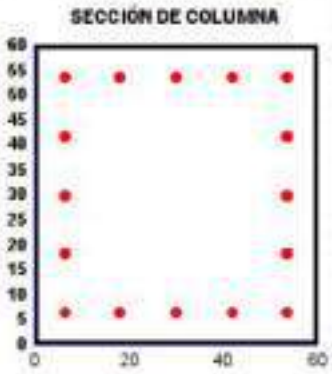
Número de Barras Dirección b $\#_b := 5$

Número de Barras Dirección h $\#_h := 5$

Diámetro Barras de Refuerzo Longitudinal $d_{be} := \frac{7}{8}\ in$

Acero transversal (Diámetro de Estribo) $d_v := \frac{1}{2}\ in$

D) DATOS ingresados



- Refuerzo Longitudinal: $\phi_{longitudinal} = 16$ **barras**

  Diámetro: $d_{be} = 22.225\ mm$

- Refuerzo Transversal: $d_v = 12.7\ mm$

- Cuantia $\rho = 1.724\%$ $V_{verificacion} = \text{"ok"}$

SOLICITACIÓN DE FUERZA AXIAL Y MOMENTO

1. Resistencia requerida

Fuerza Axial

$P_u := [47.16]\ tonnef$

Momento

Dirección 2 $M_{uy} := [34.48]\ tonnef \cdot m$

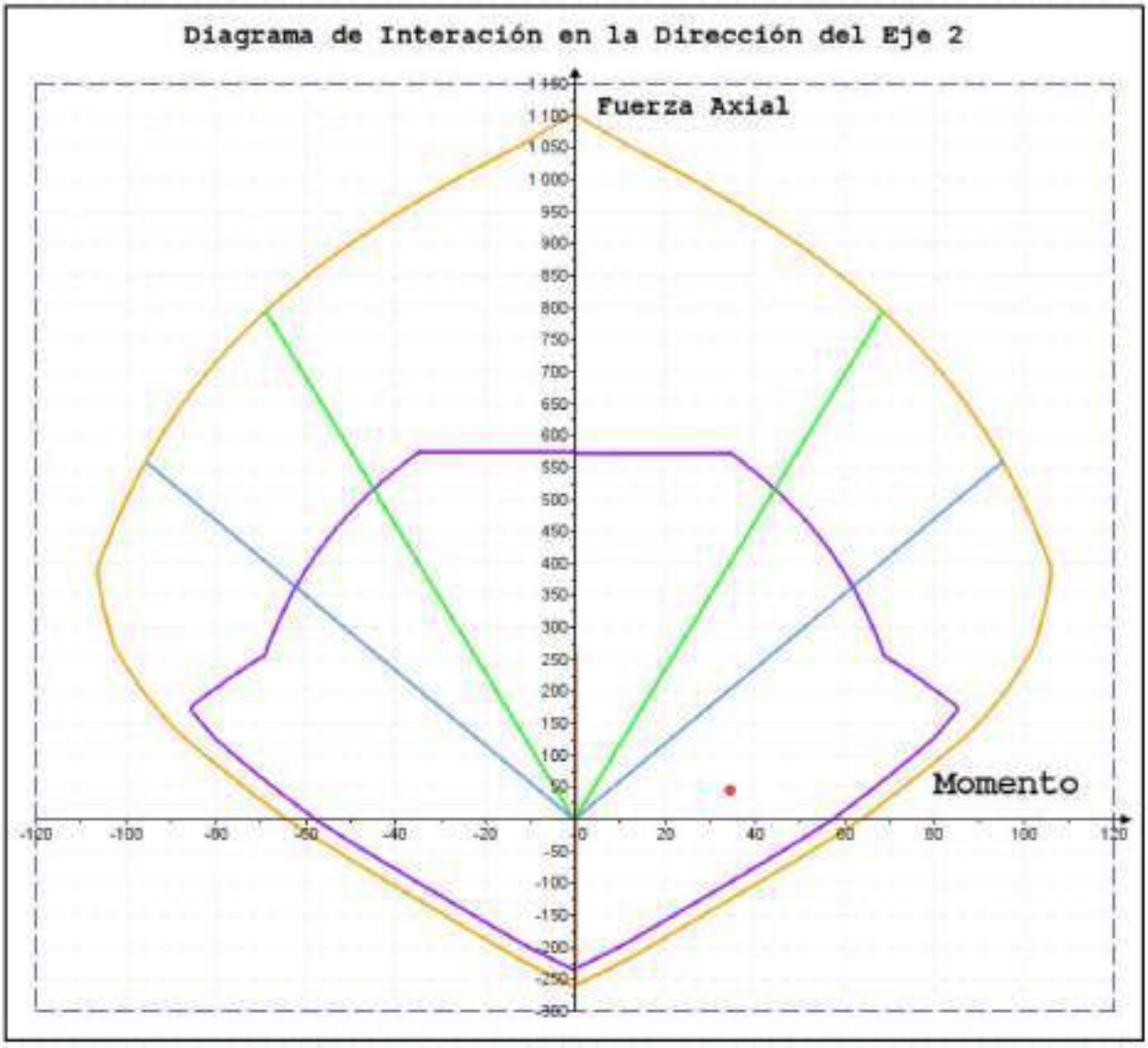
Dirección 3 $M_{ux} := [28.63]\ tonnef \cdot m$

DIAGRAMA DE INTERACIÓN UNIAXIAL EJE 2

UNIDADES PARA EL DIAGRAMA DE INTERACCIÓN EN EL EJE 2

Fuerza Axial Fuerza := tonnef

Momento Momento := tonnef·m



LEYENDA:

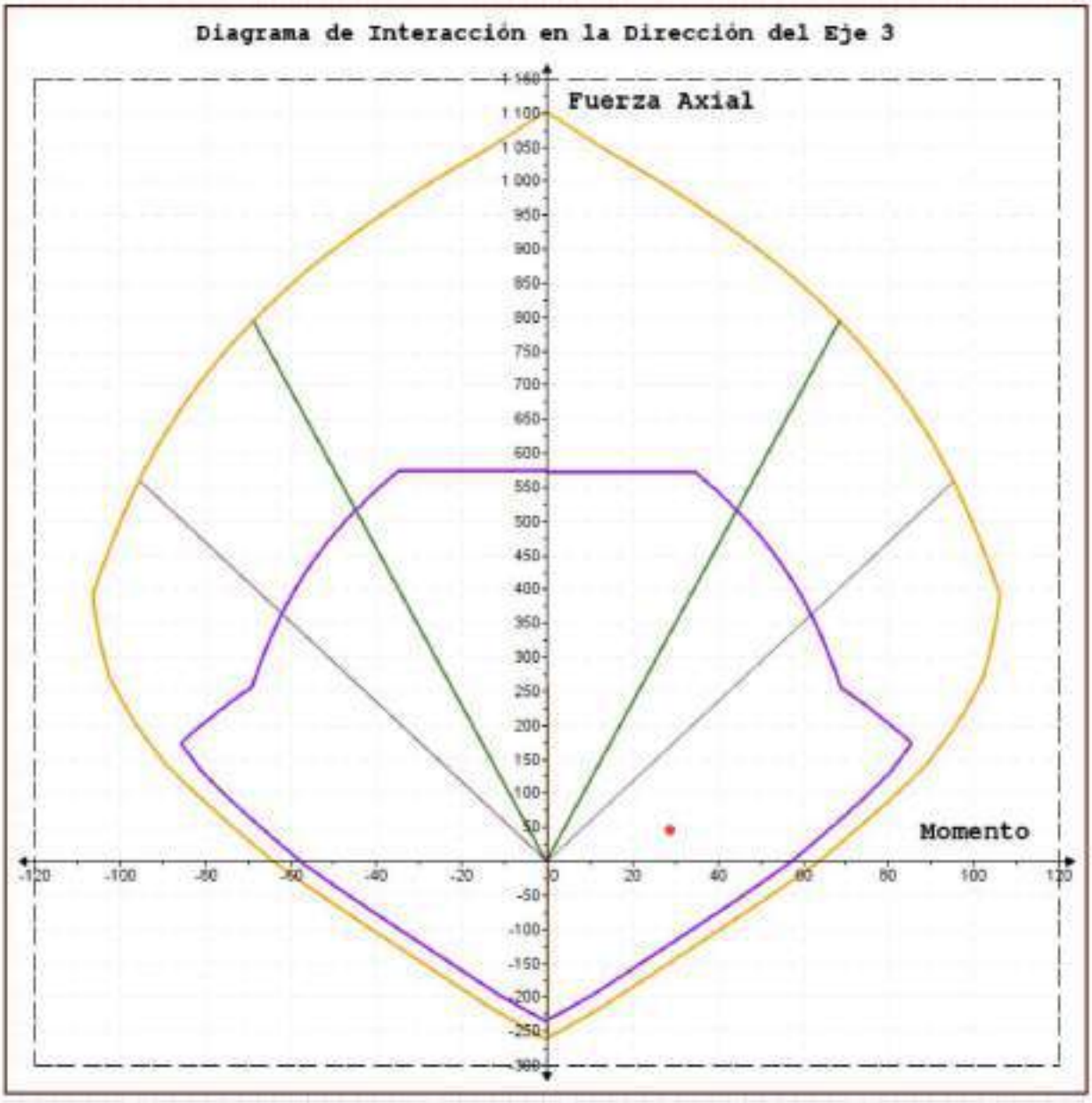
Curva sin ϕ

Curva con ϕ

DIAGRAMA DE INTERACIÓN UNIAXIAL EJE 3

UNIDADES PARA EL DIAGRAMA DE INTERACCIÓN EN EL EJE 3

- Fuerza Axial — Fuerza := **tonnef**
- Momento — Momento := **tonnef·m**



LEYENDA:

Curva sin ϕ

Curva con ϕ

ANEXO C2 - DISEÑO DE VIGAS

Table: Concrete Beam Design Summary - ACI 318-08, Part 1 of 4

Table: Concrete Beam Design Summary - ACI 318-08, Part 1 of 4

Story	Label	UniqueName	DesignSect	Station	Status	AsTopComb o	AsMinTop	AsTop
Unitless	Unitless	Unitless	Unitless	m	Unitless	Unitless	m²	m²
Piso 2	B1	14	V(40x65)	0.25	No Message	B.2.4-7b	0.000804	0.000804
Piso 2	B1	14	V(40x65)	0.525	No Message	B.2.4-5b	0.000678	0.000678
Piso 2	B1	14	V(40x65)	0.8	No Message	B.2.4-5b	0.000442	0.000442
Piso 2	B1	14	V(40x65)	0.8	No Message	B.2.4-5b	0.000451	0.000451
Piso 2	B1	14	V(40x65)	1.2	No Message	B.2.4-5b	0.000451	0.000451
Piso 2	B1	14	V(40x65)	1.6	No Message	B.2.4-5b	0.000451	0.000451
Piso 2	B1	14	V(40x65)	1.6	No Message	B.2.4-5b	0.000453	0.000453
Piso 2	B1	14	V(40x65)	2	No Message	B.2.4-5b	0.000453	0.000453
Piso 2	B1	14	V(40x65)	2.4	No Message	B.2.4-5b	0.000453	0.000453
Piso 2	B1	14	V(40x65)	2.4	No Message	B.2.4-5b	0.00045	0.00045
Piso 2	B1	14	V(40x65)	2.8	No Message	B.2.4-5b	0.00045	0.00045
Piso 2	B1	14	V(40x65)	3.2	No Message	B.2.4-5b	0.00045	0.00045
Piso 2	B1	14	V(40x65)	3.2	No Message	B.2.4-5b	0.000458	0.000458
Piso 2	B1	14	V(40x65)	3.6	No Message	B.2.4-5b	0.000458	0.000458
Piso 2	B1	14	V(40x65)	4	No Message	B.2.4-5b	0.000458	0.000458
Piso 2	B1	14	V(40x65)	4	No Message	B.2.4-5b	0.000471	0.000471
Piso 2	B1	14	V(40x65)	4.4	No Message	B.2.4-5b	0.000692	0.000692
Piso 2	B1	14	V(40x65)	4.8	No Message	B.2.4-5b	0.000804	0.000852
Piso 2	B1	14	V(40x65)	4.8	No Message	B.2.4-5b	0.000804	0.000853
Piso 2	B1	14	V(40x65)	5.3	No Message	B.2.4-5b	0.000804	0.001419
Piso 2	B2	689	V(60x65)	0.3	No Message	B.2.4-5b	0.001205	0.002358
Piso 2	B2	689	V(60x65)	0.6	No Message	B.2.4-5b	0.001205	0.001815
Piso 2	B2	689	V(60x65)	0.6	No Message	B.2.4-5b	0.001205	0.001813
Piso 2	B2	689	V(60x65)	1	No Message	B.2.4-5b	0.001205	0.00122
Piso 2	B2	689	V(60x65)	1.4	No Message	B.2.4-5b	0.000871	0.000871
Piso 2	B2	689	V(60x65)	1.4	No Message	B.2.4-5b	0.00087	0.00087
Piso 2	B2	689	V(60x65)	1.8	No Message	B.2.4-5b	0.000792	0.000792
Piso 2	B2	689	V(60x65)	2.2	No Message	B.2.4-5b	0.000792	0.000792
Piso 2	B2	689	V(60x65)	2.2	No Message	B.2.4-5b	0.000792	0.000792
Piso 2	B2	689	V(60x65)	2.6	No Message	B.2.4-5b	0.000792	0.000792
Piso 2	B2	689	V(60x65)	3	No Message	B.2.4-5b	0.000792	0.000792
Piso 2	B2	689	V(60x65)	3	No Message	B.2.4-5b	0.000792	0.000792
Piso 2	B2	689	V(60x65)	3.4	No Message	B.2.4-5b	0.000792	0.000792
Piso 2	B2	689	V(60x65)	3.8	No Message	B.2.4-5b	0.000792	0.000792
Piso 2	B2	689	V(60x65)	3.8	No Message	B.2.4-5b	0.000793	0.000793
Piso 2	B2	689	V(60x65)	4.2	No Message	B.2.4-5b	0.000793	0.000793
Piso 2	B2	689	V(60x65)	4.6	No Message	B.2.4-5b	0.000793	0.000793
Piso 2	B2	689	V(60x65)	4.6	No Message	B.2.4-5b	0.000794	0.000794
Piso 2	B2	689	V(60x65)	5	No Message	B.2.4-5b	0.000794	0.000794
Piso 2	B2	689	V(60x65)	5.4	No Message	B.2.4-5b	0.000794	0.000794
Piso 2	B2	689	V(60x65)	5.4	No Message	B.2.4-5b	0.000794	0.000794
Piso 2	B2	689	V(60x65)	5.8	No Message	B.2.4-5b	0.000794	0.000794

Table: Concrete Beam Design Summary - ACI 318-08, Part 1 of 4

Story	Label	UniqueName	DesignSect	Station	Status	AsTopComb o	AsMinTop	AsTop
Unitless	Unitless	Unitless	Unitless	m	Unitless	Unitless	m²	m²
Piso 2	B2	689	V(60x65)	6.2	No Message	B.2.4-5b	0.000794	0.000794
Piso 2	B2	689	V(60x65)	6.2	No Message	B.2.4-5b	0.000793	0.000793
Piso 2	B2	689	V(60x65)	6.6	No Message	B.2.4-5b	0.000793	0.000793
Piso 2	B2	689	V(60x65)	7	No Message	B.2.4-5b	0.000793	0.000793
Piso 2	B2	689	V(60x65)	7	No Message	B.2.4-5b	0.00079	0.00079
Piso 2	B2	689	V(60x65)	7.4	No Message	B.2.4-5b	0.001205	0.001205
Piso 2	B2	689	V(60x65)	7.8	No Message	B.2.4-5b	0.001205	0.001726
Piso 2	B2	689	V(60x65)	7.8	No Message	B.2.4-5b	0.001205	0.001724
Piso 2	B2	689	V(60x65)	8.1	No Message	B.2.4-5b	0.001205	0.002258
Piso 2	B6	721	V(40x65)	0.25	No Message	B.2.4-5b	0.000804	0.000804
Piso 2	B6	721	V(40x65)	0.525	No Message	B.2.4-5b	0.000663	0.000663
Piso 2	B6	721	V(40x65)	0.8	No Message	B.2.4-7b	0.000497	0.000497
Piso 2	B6	721	V(40x65)	0.8	No Message	B.2.4-7b	0.000494	0.000494
Piso 2	B6	721	V(40x65)	1.2	No Message	B.2.4-5b	0.000429	0.000429
Piso 2	B6	721	V(40x65)	1.6	No Message	B.2.4-5b	0.000429	0.000429
Piso 2	B6	721	V(40x65)	1.6	No Message	B.2.4-5b	0.000427	0.000427
Piso 2	B6	721	V(40x65)	2	No Message	B.2.4-5b	0.000427	0.000427
Piso 2	B6	721	V(40x65)	2.4	No Message	B.2.4-5b	0.000427	0.000427
Piso 2	B6	721	V(40x65)	2.4	No Message	B.2.4-5b	0.000424	0.000424
Piso 2	B6	721	V(40x65)	2.8	No Message	B.2.4-5b	0.000424	0.000424
Piso 2	B6	721	V(40x65)	3.2	No Message	B.2.4-5b	0.000424	0.000424
Piso 2	B6	721	V(40x65)	3.2	No Message	B.2.4-5b	0.00042	0.00042
Piso 2	B6	721	V(40x65)	3.6	No Message	B.2.4-5b	0.00042	0.00042
Piso 2	B6	721	V(40x65)	4	No Message	B.2.4-5b	0.00042	0.00042
Piso 2	B6	721	V(40x65)	4	No Message	B.2.4-5b	0.000408	0.000408
Piso 2	B6	721	V(40x65)	4.4	No Message	B.2.4-5b	0.000653	0.000653
Piso 2	B6	721	V(40x65)	4.4	No Message	B.2.4-5b	0.000652	0.000652
Piso 2	B6	721	V(40x65)	4.8	No Message	B.2.4-7b	0.000804	0.000804
Piso 2	B6	721	V(40x65)	4.8	No Message	B.2.4-7b	0.000804	0.000804
Piso 2	B6	721	V(40x65)	5.2	No Message	B.2.4-5b	0.000804	0.001123
Piso 2	B6	721	V(40x65)	5.2	No Message	B.2.4-5b	0.000804	0.001123
Piso 2	B6	721	V(40x65)	5.3	No Message	B.2.4-5b	0.000804	0.001215
Piso 2	B7	725	V(60x65)	0.3	No Message	B.2.4-5b	0.001205	0.002083
Piso 2	B7	725	V(60x65)	0.6	No Message	B.2.4-5b	0.001205	0.001606
Piso 2	B7	725	V(60x65)	0.6	No Message	B.2.4-5b	0.001205	0.001604
Piso 2	B7	725	V(60x65)	1	No Message	B.2.4-5b	0.001205	0.001205
Piso 2	B7	725	V(60x65)	1.4	No Message	B.2.4-5b	0.00077	0.00077
Piso 2	B7	725	V(60x65)	1.4	No Message	B.2.4-5b	0.000767	0.000767
Piso 2	B7	725	V(60x65)	1.8	No Message	B.2.4-5b	0.000693	0.000693
Piso 2	B7	725	V(60x65)	2.2	No Message	B.2.4-5b	0.000693	0.000693
Piso 2	B7	725	V(60x65)	2.2	No Message	B.2.4-5b	0.000691	0.000691
Piso 2	B7	725	V(60x65)	2.6	No Message	B.2.4-5b	0.000691	0.000691
Piso 2	B7	725	V(60x65)	3	No Message	B.2.4-5b	0.000691	0.000691
Piso 2	B7	725	V(60x65)	3	No Message	B.2.4-5b	0.000689	0.000689
Piso 2	B7	725	V(60x65)	3.4	No Message	B.2.4-5b	0.000689	0.000689
Piso 2	B7	725	V(60x65)	3.8	No Message	B.2.4-5b	0.000689	0.000689
Piso 2	B7	725	V(60x65)	3.8	No Message	B.2.4-5b	0.000688	0.000688
Piso 2	B7	725	V(60x65)	4.2	No Message	B.2.4-5b	0.000688	0.000688

Table: Concrete Beam Design Summary - ACI 318-08, Part 1 of 4

Story	Label	UniqueName	DesignSect	Station	Status	AsTopComb o	AsMinTop	AsTop
Unitless	Unitless	Unitless	Unitless	m	Unitless	Unitless	m²	m²
Piso 2	B7	725	V(60x65)	4.6	No Message	B.2.4-5b	0.000688	0.000688
Piso 2	B7	725	V(60x65)	4.6	No Message	B.2.4-5b	0.000688	0.000688
Piso 2	B7	725	V(60x65)	5	No Message	B.2.4-5b	0.000688	0.000688
Piso 2	B7	725	V(60x65)	5.4	No Message	B.2.4-5b	0.000688	0.000688
Piso 2	B7	725	V(60x65)	5.4	No Message	B.2.4-5b	0.000691	0.000691
Piso 2	B7	725	V(60x65)	5.8	No Message	B.2.4-5b	0.000691	0.000691
Piso 2	B7	725	V(60x65)	6.2	No Message	B.2.4-5b	0.000691	0.000691
Piso 2	B7	725	V(60x65)	6.2	No Message	B.2.4-5b	0.000696	0.000696
Piso 2	B7	725	V(60x65)	6.6	No Message	B.2.4-5b	0.000696	0.000696
Piso 2	B7	725	V(60x65)	7	No Message	B.2.4-5b	0.000777	0.000777
Piso 2	B7	725	V(60x65)	7	No Message	B.2.4-5b	0.000784	0.000784
Piso 2	B7	725	V(60x65)	7.4	No Message	B.2.4-5b	0.001205	0.001205
Piso 2	B7	725	V(60x65)	7.8	No Message	B.2.4-5b	0.001205	0.001618
Piso 2	B7	725	V(60x65)	7.8	No Message	B.2.4-5b	0.001205	0.001622
Piso 2	B7	725	V(60x65)	8.1	No Message	B.2.4-5b	0.001205	0.002101
Piso 2	B11	602	V(40x65)	0.25	No Message	B.2.4-5b	0.000609	0.000609
Piso 2	B11	602	V(40x65)	0.71875	No Message	B.2.4-7b	0.000486	0.000486
Piso 2	B11	602	V(40x65)	1.1875	No Message	B.2.4-5b	0.00039	0.00039
Piso 2	B11	602	V(40x65)	1.65625	No Message	B.2.4-5b	0.00039	0.00039
Piso 2	B11	602	V(40x65)	2.125	No Message	B.2.4-5b	0.00039	0.00039
Piso 2	B11	602	V(40x65)	2.59375	No Message	B.2.4-5b	0.00039	0.00039
Piso 2	B11	602	V(40x65)	3.0625	No Message	B.2.4-5b	0.00039	0.00039
Piso 2	B11	602	V(40x65)	3.53125	No Message	B.2.4-5b	0.00039	0.00039
Piso 2	B11	602	V(40x65)	4	No Message	B.2.4-5b	0.000513	0.000513
Piso 2	B11	602	V(40x65)	4	No Message	B.2.4-5b	0.000483	0.000483
Piso 2	B11	602	V(40x65)	4.4	No Message	B.2.4-5b	0.000688	0.000688
Piso 2	B11	602	V(40x65)	4.4	No Message	B.2.4-5b	0.000683	0.000683
Piso 2	B11	602	V(40x65)	4.8	No Message	B.2.4-5b	0.000804	0.000804
Piso 2	B11	602	V(40x65)	4.8	No Message	B.2.4-5b	0.000804	0.000804
Piso 2	B11	602	V(40x65)	5.2	No Message	B.2.4-5b	0.000804	0.000896
Piso 2	B11	602	V(40x65)	5.2	No Message	B.2.4-5b	0.000804	0.000895
Piso 2	B11	602	V(40x65)	5.3	No Message	B.2.4-5b	0.000804	0.000953
Piso 2	B12	745	V(60x65)	0.3	No Message	B.2.4-5b	0.001205	0.002111
Piso 2	B12	745	V(60x65)	0.6	No Message	B.2.4-5b	0.001205	0.001627
Piso 2	B12	745	V(60x65)	0.6	No Message	B.2.4-5b	0.001205	0.001622
Piso 2	B12	745	V(60x65)	1	No Message	B.2.4-5b	0.001205	0.001205
Piso 2	B12	745	V(60x65)	1.4	No Message	B.2.4-5b	0.000777	0.000777
Piso 2	B12	745	V(60x65)	1.4	No Message	B.2.4-5b	0.000771	0.000771
Piso 2	B12	745	V(60x65)	1.8	No Message	B.2.4-5b	0.000749	0.000749
Piso 2	B12	745	V(60x65)	2.2	No Message	B.2.4-5b	0.000749	0.000749
Piso 2	B12	745	V(60x65)	2.2	No Message	B.2.4-5b	0.000743	0.000743
Piso 2	B12	745	V(60x65)	2.6	No Message	B.2.4-5b	0.000743	0.000743
Piso 2	B12	745	V(60x65)	3	No Message	B.2.4-5b	0.000743	0.000743
Piso 2	B12	745	V(60x65)	3	No Message	B.2.4-5b	0.000738	0.000738
Piso 2	B12	745	V(60x65)	3.4	No Message	B.2.4-5b	0.000738	0.000738
Piso 2	B12	745	V(60x65)	3.8	No Message	B.2.4-5b	0.000738	0.000738
Piso 2	B12	745	V(60x65)	3.8	No Message	B.2.4-5b	0.000735	0.000735
Piso 2	B12	745	V(60x65)	4.2	No Message	B.2.4-5b	0.000735	0.000735

Table: Concrete Beam Design Summary - ACI 318-08, Part 1 of 4

Story	Label	UniqueName	DesignSect	Station	Status	AsTopCombo	AsMinTop	AsTop
Unitless	Unitless	Unitless	Unitless	m	Unitless	Unitless	m²	m²
Piso 2	B12	745	V(60x65)	4.6	No Message	B.2.4-5b	0.000735	0.000735
Piso 2	B12	745	V(60x65)	4.6	No Message	B.2.4-5b	0.000732	0.000732
Piso 2	B12	745	V(60x65)	5	No Message	B.2.4-5b	0.000732	0.000732
Piso 2	B12	745	V(60x65)	5.4	No Message	B.2.4-5b	0.000732	0.000732
Piso 2	B12	745	V(60x65)	5.4	No Message	B.2.4-5b	0.000731	0.000731
Piso 2	B12	745	V(60x65)	5.8	No Message	B.2.4-5b	0.000731	0.000731
Piso 2	B12	745	V(60x65)	6.2	No Message	B.2.4-5b	0.000731	0.000731
Piso 2	B12	745	V(60x65)	6.2	No Message	B.2.4-5b	0.000731	0.000731
Piso 2	B12	745	V(60x65)	6.6	No Message	B.2.4-5b	0.000731	0.000731
Piso 2	B12	745	V(60x65)	7	No Message	B.2.4-5b	0.00079	0.00079
Piso 2	B12	745	V(60x65)	7	No Message	B.2.4-5b	0.00079	0.00079
Piso 2	B12	745	V(60x65)	7.4	No Message	B.2.4-5b	0.001205	0.001205
Piso 2	B12	745	V(60x65)	7.8	No Message	B.2.4-5b	0.001205	0.001639
Piso 2	B12	745	V(60x65)	7.8	No Message	B.2.4-5b	0.001205	0.00164
Piso 2	B12	745	V(60x65)	8.1	No Message	B.2.4-5b	0.001205	0.002127
Piso 2	B16	761	V(40x65)	0.25	No Message	B.2.4-5b	0.000608	0.000608
Piso 2	B16	761	V(40x65)	0.71875	No Message	B.2.4-5b	0.000484	0.000484
Piso 2	B16	761	V(40x65)	1.1875	No Message	B.2.4-7b	0.000371	0.000371
Piso 2	B16	761	V(40x65)	1.65625	No Message	B.2.4-5b	0.000367	0.000367
Piso 2	B16	761	V(40x65)	2.125	No Message	B.2.4-5b	0.000367	0.000367
Piso 2	B16	761	V(40x65)	2.59375	No Message	B.2.4-5b	0.000367	0.000367
Piso 2	B16	761	V(40x65)	3.0625	No Message	B.2.4-5b	0.000367	0.000367
Piso 2	B16	761	V(40x65)	3.53125	No Message	B.2.4-5b	0.000367	0.000367
Piso 2	B16	761	V(40x65)	4	No Message	B.2.4-5b	0.00049	0.00049
Piso 2	B16	761	V(40x65)	4	No Message	B.2.4-5b	0.000466	0.000466
Piso 2	B16	761	V(40x65)	4.4	No Message	B.2.4-5b	0.000655	0.000655
Piso 2	B16	761	V(40x65)	4.4	No Message	B.2.4-5b	0.000649	0.000649
Piso 2	B16	761	V(40x65)	4.8	No Message	B.2.4-5b	0.000804	0.000804
Piso 2	B16	761	V(40x65)	4.8	No Message	B.2.4-5b	0.000804	0.000804
Piso 2	B16	761	V(40x65)	5.2	No Message	B.2.4-5b	0.000804	0.000834
Piso 2	B16	761	V(40x65)	5.2	No Message	B.2.4-5b	0.000804	0.000834
Piso 2	B16	761	V(40x65)	5.3	No Message	B.2.4-5b	0.000804	0.000886
Piso 2	B17	765	V(60x65)	0.3	No Message	B.2.4-5b	0.001205	0.001994
Piso 2	B17	765	V(60x65)	0.6	No Message	B.2.4-5b	0.001205	0.001552
Piso 2	B17	765	V(60x65)	0.6	No Message	B.2.4-5b	0.001205	0.001547
Piso 2	B17	765	V(60x65)	1	No Message	B.2.4-5b	0.001205	0.001205
Piso 2	B17	765	V(60x65)	1.4	No Message	B.2.4-5b	0.000792	0.000792
Piso 2	B17	765	V(60x65)	1.4	No Message	B.2.4-5b	0.000784	0.000784
Piso 2	B17	765	V(60x65)	1.8	No Message	B.2.4-5b	0.000694	0.000694
Piso 2	B17	765	V(60x65)	2.2	No Message	B.2.4-5b	0.000694	0.000694
Piso 2	B17	765	V(60x65)	2.2	No Message	B.2.4-5b	0.000683	0.000683
Piso 2	B17	765	V(60x65)	2.6	No Message	B.2.4-5b	0.000683	0.000683
Piso 2	B17	765	V(60x65)	3	No Message	B.2.4-5b	0.000683	0.000683
Piso 2	B17	765	V(60x65)	3	No Message	B.2.4-5b	0.000673	0.000673
Piso 2	B17	765	V(60x65)	3.4	No Message	B.2.4-5b	0.000673	0.000673
Piso 2	B17	765	V(60x65)	3.8	No Message	B.2.4-5b	0.000673	0.000673
Piso 2	B17	765	V(60x65)	3.8	No Message	B.2.4-5b	0.000662	0.000662
Piso 2	B17	765	V(60x65)	4.2	No Message	B.2.4-5b	0.000662	0.000662

Table: Concrete Beam Design Summary - ACI 318-08, Part 1 of 4

Story	Label	UniqueName	DesignSect	Station	Status	AsTopComb o	AsMinTop	AsTop
Unitless	Unitless	Unitless	Unitless	m	Unitless	Unitless	m²	m²
Piso 2	B17	765	V(60x65)	4.6	No Message	B.2.4-5b	0.000662	0.000662
Piso 2	B17	765	V(60x65)	4.6	No Message	B.2.4-5b	0.000653	0.000653
Piso 2	B17	765	V(60x65)	5	No Message	B.2.4-5b	0.000653	0.000653
Piso 2	B17	765	V(60x65)	5.4	No Message	B.2.4-5b	0.000653	0.000653
Piso 2	B17	765	V(60x65)	5.4	No Message	B.2.4-5b	0.000649	0.000649
Piso 2	B17	765	V(60x65)	5.8	No Message	B.2.4-5b	0.000649	0.000649
Piso 2	B17	765	V(60x65)	6.2	No Message	B.2.4-5b	0.000649	0.000649
Piso 2	B17	765	V(60x65)	6.2	No Message	B.2.4-5b	0.000656	0.000656
Piso 2	B17	765	V(60x65)	6.6	No Message	B.2.4-5b	0.000656	0.000656
Piso 2	B17	765	V(60x65)	7	No Message	B.2.4-5b	0.00071	0.00071
Piso 2	B17	765	V(60x65)	7	No Message	B.2.4-5b	0.000718	0.000718
Piso 2	B17	765	V(60x65)	7.4	No Message	B.2.4-5b	0.001205	0.001205
Piso 2	B17	765	V(60x65)	7.8	No Message	B.2.4-5b	0.001205	0.001454
Piso 2	B17	765	V(60x65)	7.8	No Message	B.2.4-5b	0.001205	0.00146
Piso 2	B17	765	V(60x65)	8.1	No Message	B.2.4-5b	0.001205	0.001883
Piso 2	B21	781	V(40x65)	0.25	No Message	B.2.4-7b	0.000804	0.000804
Piso 2	B21	781	V(40x65)	0.525	No Message	B.2.4-5b	0.000771	0.000771
Piso 2	B21	781	V(40x65)	0.8	No Message	B.2.4-7b	0.000594	0.000594
Piso 2	B21	781	V(40x65)	0.9	No Message	B.2.4-7b	0.000595	0.000595
Piso 2	B21	781	V(40x65)	1.2	No Message	B.2.4-7b	0.000397	0.000397
Piso 2	B21	781	V(40x65)	1.6	No Message	B.2.4-5b	0.000395	0.000395
Piso 2	B21	781	V(40x65)	1.6	No Message	B.2.4-5b	0.000397	0.000397
Piso 2	B21	781	V(40x65)	2	No Message	B.2.4-5b	0.000397	0.000397
Piso 2	B21	781	V(40x65)	2.4	No Message	B.2.4-5b	0.000397	0.000397
Piso 2	B21	781	V(40x65)	2.4	No Message	B.2.4-5b	0.0004	0.0004
Piso 2	B21	781	V(40x65)	2.8	No Message	B.2.4-5b	0.0004	0.0004
Piso 2	B21	781	V(40x65)	3.2	No Message	B.2.4-5b	0.0004	0.0004
Piso 2	B21	781	V(40x65)	3.2	No Message	B.2.4-5b	0.000403	0.000403
Piso 2	B21	781	V(40x65)	3.6	No Message	B.2.4-5b	0.000403	0.000403
Piso 2	B21	781	V(40x65)	4	No Message	B.2.4-5b	0.000403	0.000403
Piso 2	B21	781	V(40x65)	4	No Message	B.2.4-5b	0.000407	0.000407
Piso 2	B21	781	V(40x65)	4.4	No Message	B.2.4-5b	0.000731	0.000731
Piso 2	B21	781	V(40x65)	4.8	No Message	B.2.4-5b	0.000804	0.000807
Piso 2	B21	781	V(40x65)	4.8	No Message	B.2.4-5b	0.000804	0.00081
Piso 2	B21	781	V(40x65)	5.3	No Message	B.2.4-5b	0.000804	0.001212
Piso 2	B22	785	V(60x65)	0.3	No Message	B.2.4-5b	0.001205	0.001788
Piso 2	B22	785	V(60x65)	0.6	No Message	B.2.4-5b	0.001205	0.001376
Piso 2	B22	785	V(60x65)	0.6	No Message	B.2.4-5b	0.001205	0.00138
Piso 2	B22	785	V(60x65)	1	No Message	B.2.4-5b	0.001205	0.001205
Piso 2	B22	785	V(60x65)	1.4	No Message	B.2.4-5b	0.000693	0.000693
Piso 2	B22	785	V(60x65)	1.4	No Message	B.2.4-5b	0.000699	0.000699
Piso 2	B22	785	V(60x65)	1.8	No Message	B.2.4-5b	0.000634	0.000634
Piso 2	B22	785	V(60x65)	2.2	No Message	B.2.4-5b	0.000634	0.000634
Piso 2	B22	785	V(60x65)	2.2	No Message	B.2.4-5b	0.000638	0.000638
Piso 2	B22	785	V(60x65)	2.525	No Message	B.2.4-5b	0.000638	0.000638
Piso 2	B22	785	V(60x65)	2.85	No Message	B.2.4-5b	0.000638	0.000638
Piso 2	B22	785	V(60x65)	2.85	No Message	B.2.4-5b	0.000658	0.000658
Piso 2	B22	785	V(60x65)	3	No Message	B.2.4-5b	0.000658	0.000658

Table: Concrete Beam Design Summary - ACI 318-08, Part 1 of 4

Story	Label	UniqueName	DesignSect	Station	Status	AsTopComb o	AsMinTop	AsTop
Unitless	Unitless	Unitless	Unitless	m	Unitless	Unitless	m²	m²
Piso 2	B22	785	V(60x65)	3	No Message	B.2.4-5b	0.000661	0.000661
Piso 2	B22	785	V(60x65)	3.4	No Message	B.2.4-5b	0.000661	0.000661
Piso 2	B22	785	V(60x65)	3.8	No Message	B.2.4-5b	0.000661	0.000661
Piso 2	B22	785	V(60x65)	3.8	No Message	B.2.4-5b	0.000655	0.000655
Piso 2	B22	785	V(60x65)	4.2	No Message	B.2.4-5b	0.000655	0.000655
Piso 2	B22	785	V(60x65)	4.6	No Message	B.2.4-5b	0.000655	0.000655
Piso 2	B22	785	V(60x65)	4.6	No Message	B.2.4-5b	0.000651	0.000651
Piso 2	B22	785	V(60x65)	5	No Message	B.2.4-5b	0.000651	0.000651
Piso 2	B22	785	V(60x65)	5.4	No Message	B.2.4-5b	0.000651	0.000651
Piso 2	B22	785	V(60x65)	5.4	No Message	B.2.4-5b	0.00065	0.00065
Piso 2	B22	785	V(60x65)	5.8	No Message	B.2.4-5b	0.00065	0.00065
Piso 2	B22	785	V(60x65)	6.2	No Message	B.2.4-5b	0.00065	0.00065
Piso 2	B22	785	V(60x65)	6.2	No Message	B.2.4-5b	0.000653	0.000653
Piso 2	B22	785	V(60x65)	6.6	No Message	B.2.4-5b	0.000653	0.000653
Piso 2	B22	785	V(60x65)	7	No Message	B.2.4-5b	0.000905	0.000905
Piso 2	B22	785	V(60x65)	7	No Message	B.2.4-5b	0.000912	0.000912
Piso 2	B22	785	V(60x65)	7.4	No Message	B.2.4-5b	0.001205	0.001205
Piso 2	B22	785	V(60x65)	7.8	No Message	B.2.4-5b	0.001205	0.001379
Piso 2	B22	785	V(60x65)	7.9	No Message	B.2.4-5b	0.001205	0.001385
Piso 2	B22	785	V(60x65)	8.1	No Message	B.2.4-5b	0.001205	0.001695
Piso 2	B24	793	V(40x65)	0.25	No Message	B.2.4-5b	0.000804	0.000853
Piso 2	B24	793	V(40x65)	0.525	No Message	B.2.4-5b	0.000804	0.000804
Piso 2	B24	793	V(40x65)	0.8	No Message	B.2.4-7b	0.000525	0.000525
Piso 2	B24	793	V(40x65)	0.8	No Message	B.2.4-7b	0.000528	0.000528
Piso 2	B24	793	V(40x65)	1.2	No Message	B.2.4-5b	0.000493	0.000493
Piso 2	B24	793	V(40x65)	1.6	No Message	B.2.4-5b	0.000493	0.000493
Piso 2	B24	793	V(40x65)	1.6	No Message	B.2.4-5b	0.000495	0.000495
Piso 2	B24	793	V(40x65)	2	No Message	B.2.4-5b	0.000495	0.000495
Piso 2	B24	793	V(40x65)	2.4	No Message	B.2.4-5b	0.000495	0.000495
Piso 2	B24	793	V(40x65)	2.4	No Message	B.2.4-5b	0.000498	0.000498
Piso 2	B24	793	V(40x65)	2.8	No Message	B.2.4-5b	0.000498	0.000498
Piso 2	B24	793	V(40x65)	3.2	No Message	B.2.4-5b	0.000498	0.000498
Piso 2	B24	793	V(40x65)	3.2	No Message	B.2.4-5b	0.000501	0.000501
Piso 2	B24	793	V(40x65)	3.6	No Message	B.2.4-5b	0.000501	0.000501
Piso 2	B24	793	V(40x65)	4	No Message	B.2.4-5b	0.000501	0.000501
Piso 2	B24	793	V(40x65)	4	No Message	B.2.4-5b	0.000501	0.000501
Piso 2	B24	793	V(40x65)	4.4	No Message	B.2.4-5b	0.000748	0.000748
Piso 2	B24	793	V(40x65)	4.8	No Message	B.2.4-5b	0.000804	0.000931
Piso 2	B24	793	V(40x65)	4.8	No Message	B.2.4-5b	0.000804	0.000934
Piso 2	B24	793	V(40x65)	5.3	No Message	B.2.4-5b	0.000804	0.001551
Piso 2	B25	797	V(60x65)	0.3	No Message	B.2.4-5b	0.001205	0.002263
Piso 2	B25	797	V(60x65)	0.6	No Message	B.2.4-5b	0.001205	0.001761
Piso 2	B25	797	V(60x65)	0.6	No Message	B.2.4-5b	0.001205	0.001763
Piso 2	B25	797	V(60x65)	1	No Message	B.2.4-5b	0.001205	0.001211
Piso 2	B25	797	V(60x65)	1.4	No Message	B.2.4-5b	0.00091	0.00091
Piso 2	B25	797	V(60x65)	1.4	No Message	B.2.4-5b	0.000916	0.000916
Piso 2	B25	797	V(60x65)	1.8	No Message	B.2.4-5b	0.000753	0.000753
Piso 2	B25	797	V(60x65)	2.2	No Message	B.2.4-5b	0.000753	0.000753

Table: Concrete Beam Design Summary - ACI 318-08, Part 1 of 4

Story	Label	UniqueName	DesignSect	Station	Status	AsTopCombo	AsMinTop	AsTop
Unitless	Unitless	Unitless	Unitless	m	Unitless	Unitless	m²	m²
Piso 2	B25	797	V(60x65)	2.2	No Message	B.2.4-5b	0.000759	0.000759
Piso 2	B25	797	V(60x65)	2.6	No Message	B.2.4-5b	0.000759	0.000759
Piso 2	B25	797	V(60x65)	3	No Message	B.2.4-5b	0.000759	0.000759
Piso 2	B25	797	V(60x65)	3	No Message	B.2.4-5b	0.000762	0.000762
Piso 2	B25	797	V(60x65)	3.4	No Message	B.2.4-5b	0.000762	0.000762
Piso 2	B25	797	V(60x65)	3.8	No Message	B.2.4-5b	0.000762	0.000762
Piso 2	B25	797	V(60x65)	3.8	No Message	B.2.4-5b	0.000763	0.000763
Piso 2	B25	797	V(60x65)	4.2	No Message	B.2.4-5b	0.000763	0.000763
Piso 2	B25	797	V(60x65)	4.6	No Message	B.2.4-5b	0.000763	0.000763
Piso 2	B25	797	V(60x65)	4.6	No Message	B.2.4-5b	0.000765	0.000765
Piso 2	B25	797	V(60x65)	5	No Message	B.2.4-5b	0.000765	0.000765
Piso 2	B25	797	V(60x65)	5.4	No Message	B.2.4-5b	0.000765	0.000765
Piso 2	B25	797	V(60x65)	5.4	No Message	B.2.4-5b	0.000769	0.000769
Piso 2	B25	797	V(60x65)	5.8	No Message	B.2.4-5b	0.000769	0.000769
Piso 2	B25	797	V(60x65)	6.2	No Message	B.2.4-5b	0.000769	0.000769
Piso 2	B25	797	V(60x65)	6.2	No Message	B.2.4-5b	0.000773	0.000773
Piso 2	B25	797	V(60x65)	6.6	No Message	B.2.4-5b	0.000773	0.000773
Piso 2	B25	797	V(60x65)	7	No Message	B.2.4-5b	0.000789	0.000789
Piso 2	B25	797	V(60x65)	7	No Message	B.2.4-5b	0.000791	0.000791
Piso 2	B25	797	V(60x65)	7.4	No Message	B.2.4-5b	0.001205	0.001205
Piso 2	B25	797	V(60x65)	7.8	No Message	B.2.4-5b	0.001205	0.001654
Piso 2	B25	797	V(60x65)	7.8	No Message	B.2.4-5b	0.001205	0.001655
Piso 2	B25	797	V(60x65)	8.1	No Message	B.2.4-5b	0.001205	0.002151
Piso 2	B27	805	V(40x65)	0.25	No Message	B.2.4-5b	0.000804	0.000804
Piso 2	B27	805	V(40x65)	0.525	No Message	B.2.4-5b	0.000707	0.000707
Piso 2	B27	805	V(40x65)	0.8	No Message	B.2.4-5b	0.000501	0.000501
Piso 2	B27	805	V(40x65)	0.8	No Message	B.2.4-5b	0.000497	0.000497
Piso 2	B27	805	V(40x65)	1.2	No Message	B.2.4-5b	0.000403	0.000403
Piso 2	B27	805	V(40x65)	1.6	No Message	B.2.4-5b	0.000403	0.000403
Piso 2	B27	805	V(40x65)	1.6	No Message	B.2.4-5b	0.0004	0.0004
Piso 2	B27	805	V(40x65)	2	No Message	B.2.4-5b	0.0004	0.0004
Piso 2	B27	805	V(40x65)	2.4	No Message	B.2.4-5b	0.0004	0.0004
Piso 2	B27	805	V(40x65)	2.4	No Message	B.2.4-5b	0.000399	0.000399
Piso 2	B27	805	V(40x65)	2.8	No Message	B.2.4-5b	0.000399	0.000399
Piso 2	B27	805	V(40x65)	3.2	No Message	B.2.4-5b	0.000399	0.000399
Piso 2	B27	805	V(40x65)	3.2	No Message	B.2.4-5b	0.000399	0.000399
Piso 2	B27	805	V(40x65)	3.6	No Message	B.2.4-5b	0.000399	0.000399
Piso 2	B27	805	V(40x65)	4	No Message	B.2.4-5b	0.000399	0.000399
Piso 2	B27	805	V(40x65)	4	No Message	B.2.4-5b	0.000388	0.000388
Piso 2	B27	805	V(40x65)	4.4	No Message	B.2.4-5b	0.000581	0.000581
Piso 2	B27	805	V(40x65)	4.8	No Message	B.2.4-5b	0.000804	0.000804
Piso 2	B27	805	V(40x65)	4.8	No Message	B.2.4-5b	0.000804	0.000804
Piso 2	B27	805	V(40x65)	5.3	No Message	B.2.4-5b	0.000804	0.001153
Piso 2	B28	809	V(60x65)	0.3	No Message	B.2.4-5b	0.001205	0.001959
Piso 2	B28	809	V(60x65)	0.6	No Message	B.2.4-5b	0.001205	0.001511
Piso 2	B28	809	V(60x65)	0.6	No Message	B.2.4-5b	0.001205	0.001515
Piso 2	B28	809	V(60x65)	1	No Message	B.2.4-5b	0.001205	0.001205
Piso 2	B28	809	V(60x65)	1.4	No Message	B.2.4-5b	0.000749	0.000749

Table: Concrete Beam Design Summary - ACI 318-08, Part 1 of 4

Story	Label	UniqueName	DesignSect	Station	Status	AsTopComb o	AsMinTop	AsTop
Unitless	Unitless	Unitless	Unitless	m	Unitless	Unitless	m²	m²
Piso 2	B28	809	V(60x65)	1.4	No Message	B.2.4-5b	0.000755	0.000755
Piso 2	B28	809	V(60x65)	1.8	No Message	B.2.4-5b	0.000698	0.000698
Piso 2	B28	809	V(60x65)	2.2	No Message	B.2.4-5b	0.000698	0.000698
Piso 2	B28	809	V(60x65)	2.2	No Message	B.2.4-5b	0.000705	0.000705
Piso 2	B28	809	V(60x65)	2.6	No Message	B.2.4-5b	0.000705	0.000705
Piso 2	B28	809	V(60x65)	3	No Message	B.2.4-5b	0.000705	0.000705
Piso 2	B28	809	V(60x65)	3	No Message	B.2.4-5b	0.000714	0.000714
Piso 2	B28	809	V(60x65)	3.4	No Message	B.2.4-5b	0.000714	0.000714
Piso 2	B28	809	V(60x65)	3.8	No Message	B.2.4-5b	0.000714	0.000714
Piso 2	B28	809	V(60x65)	3.8	No Message	B.2.4-5b	0.000724	0.000724
Piso 2	B28	809	V(60x65)	4.25	No Message	B.2.4-5b	0.000724	0.000724
Piso 2	B28	809	V(60x65)	4.25	No Message	B.2.4-5b	0.000744	0.000744
Piso 2	B28	809	V(60x65)	4.6	No Message	B.2.4-5b	0.000744	0.000744
Piso 2	B28	809	V(60x65)	4.6	No Message	B.2.4-5b	0.000747	0.000747
Piso 2	B28	809	V(60x65)	5	No Message	B.2.4-5b	0.000747	0.000747
Piso 2	B28	809	V(60x65)	5.4	No Message	B.2.4-5b	0.000747	0.000747
Piso 2	B28	809	V(60x65)	5.4	No Message	B.2.4-5b	0.000743	0.000743
Piso 2	B28	809	V(60x65)	5.8	No Message	B.2.4-5b	0.000743	0.000743
Piso 2	B28	809	V(60x65)	6.2	No Message	B.2.4-5b	0.000743	0.000743
Piso 2	B28	809	V(60x65)	6.2	No Message	B.2.4-5b	0.00074	0.00074
Piso 2	B28	809	V(60x65)	6.6	No Message	B.2.4-5b	0.00074	0.00074
Piso 2	B28	809	V(60x65)	7	No Message	B.2.4-5b	0.000886	0.000886
Piso 2	B28	809	V(60x65)	7	No Message	B.2.4-5b	0.000885	0.000885
Piso 2	B28	809	V(60x65)	7.4	No Message	B.2.4-5b	0.001205	0.001205
Piso 2	B28	809	V(60x65)	7.8	No Message	B.2.4-5b	0.001205	0.001401
Piso 2	B28	809	V(60x65)	7.8	No Message	B.2.4-5b	0.001205	0.001402
Piso 2	B28	809	V(60x65)	8.1	No Message	B.2.4-5b	0.001205	0.001726
Piso 2	B30	817	V(50x65)	0.25	No Message	B.2.4-7b	0.001004	0.001004
Piso 2	B30	817	V(50x65)	0.6	No Message	B.2.4-5b	0.000952	0.000952
Piso 2	B30	817	V(50x65)	0.6	No Message	B.2.4-5b	0.000943	0.000943
Piso 2	B30	817	V(50x65)	1	No Message	B.2.4-7b	0.000688	0.000688
Piso 2	B30	817	V(50x65)	1.4	No Message	B.2.4-7b	0.000499	0.000499
Piso 2	B30	817	V(50x65)	1.4	No Message	B.2.4-7b	0.000498	0.000498
Piso 2	B30	817	V(50x65)	1.8	No Message	B.2.4-7b	0.000349	0.000349
Piso 2	B30	817	V(50x65)	2.2	No Message	B.2.4-5b	0.000339	0.000339
Piso 2	B30	817	V(50x65)	2.2	No Message	B.2.4-5b	0.000351	0.000351
Piso 2	B30	817	V(50x65)	2.525	No Message	B.2.4-5b	0.000351	0.000351
Piso 2	B30	817	V(50x65)	2.85	No Message	B.2.4-5b	0.000351	0.000351
Piso 2	B30	817	V(50x65)	2.85	No Message	B.2.4-5b	0.000362	0.000362
Piso 2	B30	817	V(50x65)	3.33182	No Message	B.2.4-5b	0.000362	0.000362
Piso 2	B30	817	V(50x65)	3.81364	No Message	B.2.4-5b	0.000362	0.000362
Piso 2	B30	817	V(50x65)	4.29545	No Message	B.2.4-5b	0.000362	0.000362
Piso 2	B30	817	V(50x65)	4.77727	No Message	B.2.4-5b	0.000362	0.000362
Piso 2	B30	817	V(50x65)	5.25909	No Message	B.2.4-5b	0.000362	0.000362
Piso 2	B30	817	V(50x65)	5.74091	No Message	B.2.4-5b	0.000362	0.000362
Piso 2	B30	817	V(50x65)	6.22273	No Message	B.2.4-5b	0.000406	0.000406
Piso 2	B30	817	V(50x65)	6.70455	No Message	B.2.4-5b	0.000609	0.000609
Piso 2	B30	817	V(50x65)	7.18636	No Message	B.2.4-5b	0.000827	0.000827

Table: Concrete Beam Design Summary - ACI 318-08, Part 1 of 4

Story	Label	UniqueName	DesignSect	Station	Status	AsTopCombo	AsMinTop	AsTop
Unitless	Unitless	Unitless	Unitless	m	Unitless	Unitless	m²	m²
Piso 2	B30	817	V(50x65)	7.66818	No Message	B.2.4-5b	0.001004	0.001004
Piso 2	B30	817	V(50x65)	8.15	No Message	B.2.4-7b	0.001004	0.001004
Piso 2	B31	16	V(40x65)	0.25	No Message	B.2.4-5b	0.000804	0.000804
Piso 2	B31	16	V(40x65)	0.525	No Message	B.2.4-5b	0.000697	0.000697
Piso 2	B31	16	V(40x65)	0.8	No Message	B.2.4-5b	0.000502	0.000502
Piso 2	B31	16	V(40x65)	0.8	No Message	B.2.4-5b	0.000495	0.000495
Piso 2	B31	16	V(40x65)	1.2	No Message	B.2.4-5b	0.000432	0.000432
Piso 2	B31	16	V(40x65)	1.6	No Message	B.2.4-5b	0.000432	0.000432
Piso 2	B31	16	V(40x65)	1.6	No Message	B.2.4-5b	0.000422	0.000422
Piso 2	B31	16	V(40x65)	2	No Message	B.2.4-5b	0.000422	0.000422
Piso 2	B31	16	V(40x65)	2.4	No Message	B.2.4-5b	0.000422	0.000422
Piso 2	B31	16	V(40x65)	2.4	No Message	B.2.4-5b	0.000412	0.000412
Piso 2	B31	16	V(40x65)	2.8	No Message	B.2.4-5b	0.000412	0.000412
Piso 2	B31	16	V(40x65)	3.2	No Message	B.2.4-5b	0.000412	0.000412
Piso 2	B31	16	V(40x65)	3.2	No Message	B.2.4-5b	0.000409	0.000409
Piso 2	B31	16	V(40x65)	3.6	No Message	B.2.4-5b	0.000409	0.000409
Piso 2	B31	16	V(40x65)	4	No Message	B.2.4-5b	0.000409	0.000409
Piso 2	B31	16	V(40x65)	4	No Message	B.2.4-5b	0.000385	0.000385
Piso 2	B31	16	V(40x65)	4.4	No Message	B.2.4-5b	0.000617	0.000617
Piso 2	B31	16	V(40x65)	4.8	No Message	B.2.4-5b	0.000804	0.000804
Piso 2	B31	16	V(40x65)	4.8	No Message	B.2.4-5b	0.000804	0.000804
Piso 2	B31	16	V(40x65)	5.3	No Message	B.2.4-5b	0.000804	0.001174
Piso 2	B32	825	V(60x65)	0.3	No Message	B.2.4-5b	0.001205	0.00229
Piso 2	B32	825	V(60x65)	0.6	No Message	B.2.4-5b	0.001205	0.001753
Piso 2	B32	825	V(60x65)	0.6	No Message	B.2.4-5b	0.001205	0.001758
Piso 2	B32	825	V(60x65)	1	No Message	B.2.4-5b	0.001205	0.001205
Piso 2	B32	825	V(60x65)	1.4	No Message	B.2.4-5b	0.000817	0.000817
Piso 2	B32	825	V(60x65)	1.4	No Message	B.2.4-5b	0.000833	0.000833
Piso 2	B32	825	V(60x65)	1.8	No Message	B.2.4-5b	0.000794	0.000794
Piso 2	B32	825	V(60x65)	2.2	No Message	B.2.4-5b	0.000794	0.000794
Piso 2	B32	825	V(60x65)	2.2	No Message	B.2.4-5b	0.000813	0.000813
Piso 2	B32	825	V(60x65)	2.6	No Message	B.2.4-5b	0.000813	0.000813
Piso 2	B32	825	V(60x65)	3	No Message	B.2.4-5b	0.000813	0.000813
Piso 2	B32	825	V(60x65)	3	No Message	B.2.4-5b	0.000835	0.000835
Piso 2	B32	825	V(60x65)	3.4	No Message	B.2.4-5b	0.000835	0.000835
Piso 2	B32	825	V(60x65)	3.8	No Message	B.2.4-5b	0.000835	0.000835
Piso 2	B32	825	V(60x65)	3.8	No Message	B.2.4-5b	0.000857	0.000857
Piso 2	B32	825	V(60x65)	4.2	No Message	B.2.4-5b	0.000857	0.000857
Piso 2	B32	825	V(60x65)	4.6	No Message	B.2.4-5b	0.000857	0.000857
Piso 2	B32	825	V(60x65)	4.6	No Message	B.2.4-5b	0.000877	0.000877
Piso 2	B32	825	V(60x65)	5	No Message	B.2.4-5b	0.000877	0.000877
Piso 2	B32	825	V(60x65)	5.4	No Message	B.2.4-5b	0.000877	0.000877
Piso 2	B32	825	V(60x65)	5.4	No Message	B.2.4-5b	0.000893	0.000893
Piso 2	B32	825	V(60x65)	5.8	No Message	B.2.4-5b	0.000893	0.000893
Piso 2	B32	825	V(60x65)	6.2	No Message	B.2.4-5b	0.000893	0.000893
Piso 2	B32	825	V(60x65)	6.2	No Message	B.2.4-5b	0.00091	0.00091
Piso 2	B32	825	V(60x65)	6.6	No Message	B.2.4-5b	0.00091	0.00091
Piso 2	B32	825	V(60x65)	7	No Message	B.2.4-5b	0.00091	0.00091

Table: Concrete Beam Design Summary - ACI 318-08, Part 1 of 4

Story	Label	UniqueName	DesignSect	Station	Status	AsTopComb o	AsMinTop	AsTop
Unitless	Unitless	Unitless	Unitless	m	Unitless	Unitless	m²	m²
Piso 2	B32	825	V(60x65)	7	No Message	B.2.4-5b	0.000927	0.000927
Piso 2	B32	825	V(60x65)	7.4	No Message	B.2.4-5b	0.001205	0.00122
Piso 2	B32	825	V(60x65)	7.8	No Message	B.2.4-5b	0.001205	0.0018
Piso 2	B32	825	V(60x65)	7.8	No Message	B.2.4-5b	0.001205	0.001808
Piso 2	B32	825	V(60x65)	8.1	No Message	B.2.4-5b	0.001205	0.002341
Piso 2	B35	837	V(50x65)	0.25	No Message	B.2.4-5b	0.000875	0.000875
Piso 2	B35	837	V(50x65)	0.45	No Message	B.2.4-5b	0.000679	0.000679
Piso 2	B35	837	V(50x65)	0.45	No Message	B.2.4-5b	0.000613	0.000613
Piso 2	B35	837	V(50x65)	0.8	No Message	B.2.4-7b	0.000415	0.000415
Piso 2	B35	837	V(50x65)	0.8	No Message	B.2.4-7b	0.000368	0.000368
Piso 2	B35	837	V(50x65)	0.91	No Message	B.2.4-7b	0.000346	0.000346
Piso 2	B35	837	V(50x65)	0.91	No Message	B.2.4-7b	0.000326	0.000326
Piso 2	B35	837	V(50x65)	1.37	No Message	B.2.4-5b	0.000236	0.000236
Piso 2	B35	837	V(50x65)	1.37	No Message	B.2.4-5b	0.000245	0.000245
Piso 2	B35	837	V(50x65)	1.6	No Message	B.2.4-5b	0.000245	0.000245
Piso 2	B35	837	V(50x65)	1.6	No Message	B.2.4-5b	0.000232	0.000232
Piso 2	B35	837	V(50x65)	1.83	No Message	B.2.4-5b	0.000232	0.000232
Piso 2	B35	837	V(50x65)	1.83	No Message	B.2.4-5b	0.000253	0.000253
Piso 2	B35	837	V(50x65)	2.115	No Message	B.2.4-5b	0.000253	0.000253
Piso 2	B35	837	V(50x65)	2.4	No Message	B.2.4-5b	0.000253	0.000253
Piso 2	B35	837	V(50x65)	2.4	No Message	B.2.4-5b	0.000238	0.000238
Piso 2	B35	837	V(50x65)	2.8	No Message	B.2.4-5b	0.000238	0.000238
Piso 2	B35	837	V(50x65)	3.2	No Message	B.2.4-7b	0.000293	0.000293
Piso 2	B35	837	V(50x65)	3.2	No Message	B.2.4-7b	0.000281	0.000281
Piso 2	B35	837	V(50x65)	3.5	No Message	B.2.4-5b	0.000425	0.000425
Piso 2	B35	837	V(50x65)	3.8	No Message	B.2.4-5b	0.000604	0.000604
Piso 2	B36	18	V(40x65)	0.25	No Message	B.2.4-5b	0.000742	0.000742
Piso 2	B36	18	V(40x65)	0.71875	No Message	B.2.4-5b	0.000586	0.000586
Piso 2	B36	18	V(40x65)	1.1875	No Message	B.2.4-5b	0.000442	0.000442
Piso 2	B36	18	V(40x65)	1.65625	No Message	B.2.4-5b	0.000372	0.000372
Piso 2	B36	18	V(40x65)	2.125	No Message	B.2.4-5b	0.000372	0.000372
Piso 2	B36	18	V(40x65)	2.59375	No Message	B.2.4-5b	0.000372	0.000372
Piso 2	B36	18	V(40x65)	3.0625	No Message	B.2.4-5b	0.000372	0.000372
Piso 2	B36	18	V(40x65)	3.53125	No Message	B.2.4-5b	0.000372	0.000372
Piso 2	B36	18	V(40x65)	4	No Message	B.2.4-5b	0.000388	0.000388
Piso 2	B36	18	V(40x65)	4	No Message	B.2.4-5b	0.000342	0.000342
Piso 2	B36	18	V(40x65)	4.4	No Message	B.2.4-5b	0.000522	0.000522
Piso 2	B36	18	V(40x65)	4.8	No Message	B.2.4-5b	0.000711	0.000711
Piso 2	B36	18	V(40x65)	4.8	No Message	B.2.4-5b	0.000724	0.000724
Piso 2	B36	18	V(40x65)	5.3	No Message	B.2.4-5b	0.000804	0.000853
Piso 2	B37	845	V(60x65)	0.3	No Message	B.2.4-5b	0.001205	0.001945
Piso 2	B37	845	V(60x65)	0.6	No Message	B.2.4-5b	0.001205	0.001511
Piso 2	B37	845	V(60x65)	0.6	No Message	B.2.4-5b	0.001205	0.001522
Piso 2	B37	845	V(60x65)	1	No Message	B.2.4-5b	0.001205	0.001205
Piso 2	B37	845	V(60x65)	1.4	No Message	B.2.4-5b	0.000799	0.000799
Piso 2	B37	845	V(60x65)	1.4	No Message	B.2.4-5b	0.000821	0.000821
Piso 2	B37	845	V(60x65)	1.8	No Message	B.2.4-5b	0.000805	0.000805
Piso 2	B37	845	V(60x65)	2.2	No Message	B.2.4-5b	0.000805	0.000805

Table: Concrete Beam Design Summary - ACI 318-08, Part 1 of 4

Story	Label	UniqueName	DesignSect	Station	Status	AsTopComb o	AsMinTop	AsTop
Unitless	Unitless	Unitless	Unitless	m	Unitless	Unitless	m²	m²
Piso 2	B37	845	V(60x65)	2.2	No Message	B.2.4-5b	0.000831	0.000831
Piso 2	B37	845	V(60x65)	2.6	No Message	B.2.4-5b	0.000831	0.000831
Piso 2	B37	845	V(60x65)	3	No Message	B.2.4-5b	0.000831	0.000831
Piso 2	B37	845	V(60x65)	3	No Message	B.2.4-5b	0.000858	0.000858
Piso 2	B37	845	V(60x65)	3.4	No Message	B.2.4-5b	0.000858	0.000858
Piso 2	B37	845	V(60x65)	3.8	No Message	B.2.4-5b	0.000858	0.000858
Piso 2	B37	845	V(60x65)	3.8	No Message	B.2.4-5b	0.000889	0.000889
Piso 2	B37	845	V(60x65)	4.25	No Message	B.2.4-5b	0.000889	0.000889
Piso 2	B37	845	V(60x65)	4.25	No Message	B.2.4-5b	0.000924	0.000924
Piso 2	B37	845	V(60x65)	4.6	No Message	B.2.4-5b	0.000924	0.000924
Piso 2	B37	845	V(60x65)	4.6	No Message	B.2.4-5b	0.000953	0.000953
Piso 2	B37	845	V(60x65)	5	No Message	B.2.4-5b	0.000953	0.000953
Piso 2	B37	845	V(60x65)	5.4	No Message	B.2.4-5b	0.000953	0.000953
Piso 2	B37	845	V(60x65)	5.4	No Message	B.2.4-5b	0.000969	0.000969
Piso 2	B37	845	V(60x65)	5.8	No Message	B.2.4-5b	0.000969	0.000969
Piso 2	B37	845	V(60x65)	6.2	No Message	B.2.4-5b	0.000969	0.000969
Piso 2	B37	845	V(60x65)	6.2	No Message	B.2.4-5b	0.000985	0.000985
Piso 2	B37	845	V(60x65)	6.6	No Message	B.2.4-5b	0.000985	0.000985
Piso 2	B37	845	V(60x65)	7	No Message	B.2.4-5b	0.001152	0.001152
Piso 2	B37	845	V(60x65)	7	No Message	B.2.4-5b	0.001166	0.001166
Piso 2	B37	845	V(60x65)	7.4	No Message	B.2.4-5b	0.001205	0.001233
Piso 2	B37	845	V(60x65)	7.8	No Message	B.2.4-5b	0.001205	0.001607
Piso 2	B37	845	V(60x65)	7.8	No Message	B.2.4-5b	0.001205	0.001614
Piso 2	B37	845	V(60x65)	8.1	No Message	B.2.4-5b	0.001205	0.001937
Piso 2	B40	857	V(30x50)	0.25	No Message	B.2.4-5b	0.000452	0.000533
Piso 2	B40	857	V(30x50)	0.73333	No Message	B.2.4-7b	0.000452	0.000452
Piso 2	B40	857	V(30x50)	1.21667	No Message	B.2.4-7b	0.000339	0.000339
Piso 2	B40	857	V(30x50)	1.7	No Message	B.2.4-5b	0.000216	0.000216
Piso 2	B40	857	V(30x50)	2.18333	No Message	B.2.4-5b	0.000216	0.000216
Piso 2	B40	857	V(30x50)	2.66667	No Message	B.2.4-5b	0.000216	0.000216
Piso 2	B40	857	V(30x50)	3.15	No Message	B.2.4-5b	0.000216	0.000216
Piso 2	B40	857	V(30x50)	3.15	No Message	B.2.4-5b	0.000211	0.000211
Piso 2	B40	857	V(30x50)	3.575	No Message	B.2.4-5b	0.000211	0.000211
Piso 2	B40	857	V(30x50)	4	No Message	B.2.4-5b	0.000211	0.000211
Piso 2	B40	857	V(30x50)	4.425	No Message	B.2.4-7b	0.00025	0.00025
Piso 2	B40	857	V(30x50)	4.85	No Message	B.2.4-5b	0.000406	0.000406
Piso 2	B40	857	V(30x50)	5.275	No Message	B.2.4-7b	0.000452	0.000452
Piso 2	B40	857	V(30x50)	5.7	No Message	B.2.4-5b	0.000452	0.000571
Piso 2	B41	861	V(30x50)	0.3	No Message	B.2.4-5b	0.000452	0.000517
Piso 2	B41	861	V(30x50)	0.79091	No Message	B.2.4-7b	0.000452	0.000452
Piso 2	B41	861	V(30x50)	1.28182	No Message	B.2.4-7b	0.000323	0.000323
Piso 2	B41	861	V(30x50)	1.77273	No Message	B.2.4-7b	0.000195	0.000195
Piso 2	B41	861	V(30x50)	2.26364	No Message	B.2.4-5b	0.000184	0.000184
Piso 2	B41	861	V(30x50)	2.75455	No Message	B.2.4-5b	0.000184	0.000184
Piso 2	B41	861	V(30x50)	3.24545	No Message	B.2.4-5b	0.000184	0.000184
Piso 2	B41	861	V(30x50)	3.73636	No Message	B.2.4-5b	0.000184	0.000184
Piso 2	B41	861	V(30x50)	4.22727	No Message	B.2.4-7b	0.000197	0.000197
Piso 2	B41	861	V(30x50)	4.71818	No Message	B.2.4-5b	0.000327	0.000327

Table: Concrete Beam Design Summary - ACI 318-08, Part 1 of 4

Story	Label	UniqueName	DesignSect	Station	Status	AsTopCombo	AsMinTop	AsTop
Unitless	Unitless	Unitless	Unitless	m	Unitless	Unitless	m²	m²
Piso 2	B41	861	V(30x50)	5.20909	No Message	B.2.4-7b	0.000452	0.000452
Piso 2	B41	861	V(30x50)	5.7	No Message	B.2.4-5b	0.000452	0.000525
Piso 2	B42	865	V(30x50)	0.3	No Message	B.2.4-5b	0.000452	0.000515
Piso 2	B42	865	V(30x50)	0.79091	No Message	B.2.4-7b	0.000452	0.000452
Piso 2	B42	865	V(30x50)	1.28182	No Message	B.2.4-7b	0.000315	0.000315
Piso 2	B42	865	V(30x50)	1.77273	No Message	B.2.4-7b	0.000185	0.000185
Piso 2	B42	865	V(30x50)	2.26364	No Message	B.2.4-5b	0.000173	0.000173
Piso 2	B42	865	V(30x50)	2.75455	No Message	B.2.4-5b	0.000173	0.000173
Piso 2	B42	865	V(30x50)	3.24545	No Message	B.2.4-5b	0.000173	0.000173
Piso 2	B42	865	V(30x50)	3.73636	No Message	B.2.4-5b	0.000173	0.000173
Piso 2	B42	865	V(30x50)	4.22727	No Message	B.2.4-7b	0.000186	0.000186
Piso 2	B42	865	V(30x50)	4.71818	No Message	B.2.4-7b	0.000316	0.000316
Piso 2	B42	865	V(30x50)	5.20909	No Message	B.2.4-7b	0.000452	0.000452
Piso 2	B42	865	V(30x50)	5.7	No Message	B.2.4-5b	0.000452	0.000515
Piso 2	B43	869	V(30x50)	0.3	No Message	B.2.4-5b	0.000452	0.000517
Piso 2	B43	869	V(30x50)	0.79091	No Message	B.2.4-7b	0.000452	0.000452
Piso 2	B43	869	V(30x50)	1.28182	No Message	B.2.4-7b	0.000317	0.000317
Piso 2	B43	869	V(30x50)	1.77273	No Message	B.2.4-7b	0.000188	0.000188
Piso 2	B43	869	V(30x50)	2.26364	No Message	B.2.4-5b	0.000172	0.000172
Piso 2	B43	869	V(30x50)	2.75455	No Message	B.2.4-5b	0.000172	0.000172
Piso 2	B43	869	V(30x50)	3.24545	No Message	B.2.4-5b	0.000172	0.000172
Piso 2	B43	869	V(30x50)	3.73636	No Message	B.2.4-5b	0.000172	0.000172
Piso 2	B43	869	V(30x50)	4.22727	No Message	B.2.4-7b	0.000189	0.000189
Piso 2	B43	869	V(30x50)	4.71818	No Message	B.2.4-7b	0.000319	0.000319
Piso 2	B43	869	V(30x50)	5.20909	No Message	B.2.4-7b	0.000452	0.000452
Piso 2	B43	869	V(30x50)	5.7	No Message	B.2.4-5b	0.000452	0.000519
Piso 2	B46	881	V(30x50)	0.3	No Message	B.2.4-5b	0.000452	0.00054
Piso 2	B46	881	V(30x50)	0.79091	No Message	B.2.4-7b	0.000452	0.000452
Piso 2	B46	881	V(30x50)	1.28182	No Message	B.2.4-7b	0.000343	0.000343
Piso 2	B46	881	V(30x50)	1.77273	No Message	B.2.4-7b	0.000214	0.000214
Piso 2	B46	881	V(30x50)	2.26364	No Message	B.2.4-5b	0.0002	0.0002
Piso 2	B46	881	V(30x50)	2.75455	No Message	B.2.4-5b	0.0002	0.0002
Piso 2	B46	881	V(30x50)	3.24545	No Message	B.2.4-5b	0.0002	0.0002
Piso 2	B46	881	V(30x50)	3.73636	No Message	B.2.4-5b	0.0002	0.0002
Piso 2	B46	881	V(30x50)	4.22727	No Message	B.2.4-7b	0.000214	0.000214
Piso 2	B46	881	V(30x50)	4.71818	No Message	B.2.4-7b	0.000344	0.000344
Piso 2	B46	881	V(30x50)	5.20909	No Message	B.2.4-7b	0.000452	0.000452
Piso 2	B46	881	V(30x50)	5.7	No Message	B.2.4-5b	0.000452	0.000541
Piso 2	B47	885	V(30x50)	0.3	No Message	B.2.4-5b	0.000452	0.000542
Piso 2	B47	885	V(30x50)	0.79091	No Message	B.2.4-7b	0.000452	0.000452
Piso 2	B47	885	V(30x50)	1.28182	No Message	B.2.4-5b	0.000354	0.000354
Piso 2	B47	885	V(30x50)	1.77273	No Message	B.2.4-7b	0.000217	0.000217
Piso 2	B47	885	V(30x50)	2.26364	No Message	B.2.4-5b	0.000206	0.000206
Piso 2	B47	885	V(30x50)	2.75455	No Message	B.2.4-5b	0.000206	0.000206
Piso 2	B47	885	V(30x50)	3.24545	No Message	B.2.4-5b	0.000206	0.000206
Piso 2	B47	885	V(30x50)	3.73636	No Message	B.2.4-5b	0.000206	0.000206
Piso 2	B47	885	V(30x50)	4.22727	No Message	B.2.4-7b	0.000213	0.000213
Piso 2	B47	885	V(30x50)	4.71818	No Message	B.2.4-5b	0.000342	0.000342

Table: Concrete Beam Design Summary - ACI 318-08, Part 1 of 4

Story	Label	UniqueName	DesignSect	Station	Status	AsTopComb o	AsMinTop	AsTop
Unitless	Unitless	Unitless	Unitless	m	Unitless	Unitless	m²	m²
Piso 2	B47	885	V(30x50)	5.20909	No Message	B.2.4-7b	0.000452	0.000452
Piso 2	B47	885	V(30x50)	5.7	No Message	B.2.4-5b	0.000452	0.000531
Piso 2	B48	889	V(30x50)	0.3	No Message	B.2.4-5b	0.000452	0.000481
Piso 2	B48	889	V(30x50)	0.5	No Message	B.2.4-7b	0.000452	0.000452
Piso 2	B48	889	V(30x50)	0.5	No Message	B.2.4-7b	0.000452	0.000452
Piso 2	B48	889	V(30x50)	1	No Message	B.2.4-5b	0.000405	0.000405
Piso 2	B48	889	V(30x50)	1	No Message	B.2.4-5b	0.000406	0.000406
Piso 2	B48	889	V(30x50)	1.5	No Message	B.2.4-7b	0.000271	0.000271
Piso 2	B48	889	V(30x50)	1.5	No Message	B.2.4-7b	0.000272	0.000272
Piso 2	B48	889	V(30x50)	2	No Message	B.2.4-5b	0.000184	0.000184
Piso 2	B48	889	V(30x50)	2	No Message	B.2.4-5b	0.000186	0.000186
Piso 2	B48	889	V(30x50)	2.5	No Message	B.2.4-5b	0.000186	0.000186
Piso 2	B48	889	V(30x50)	2.5	No Message	B.2.4-5b	0.000188	0.000188
Piso 2	B48	889	V(30x50)	3	No Message	B.2.4-5b	0.000188	0.000188
Piso 2	B48	889	V(30x50)	3	No Message	B.2.4-5b	0.000189	0.000189
Piso 2	B48	889	V(30x50)	3.5	No Message	B.2.4-5b	0.000189	0.000189
Piso 2	B48	889	V(30x50)	3.5	No Message	B.2.4-5b	0.000191	0.000191
Piso 2	B48	889	V(30x50)	4	No Message	B.2.4-5b	0.000191	0.000191
Piso 2	B48	889	V(30x50)	4	No Message	B.2.4-5b	0.000194	0.000194
Piso 2	B48	889	V(30x50)	4.5	No Message	B.2.4-7b	0.000283	0.000283
Piso 2	B48	889	V(30x50)	4.5	No Message	B.2.4-7b	0.000285	0.000285
Piso 2	B48	889	V(30x50)	5	No Message	B.2.4-5b	0.000426	0.000426
Piso 2	B48	889	V(30x50)	5	No Message	B.2.4-5b	0.000428	0.000428
Piso 2	B48	889	V(30x50)	5.5	No Message	B.2.4-7b	0.000452	0.000452
Piso 2	B48	889	V(30x50)	5.5	No Message	B.2.4-7b	0.000452	0.000452
Piso 2	B48	889	V(30x50)	5.7	No Message	B.2.4-5b	0.000452	0.000502
Piso 2	B49	893	V(30x50)	0.3	No Message	B.2.4-5b	0.000452	0.000474
Piso 2	B49	893	V(30x50)	0.5	No Message	B.2.4-7b	0.000452	0.000452
Piso 2	B49	893	V(30x50)	0.5	No Message	B.2.4-7b	0.000452	0.000452
Piso 2	B49	893	V(30x50)	1	No Message	B.2.4-5b	0.000395	0.000395
Piso 2	B49	893	V(30x50)	1	No Message	B.2.4-5b	0.000396	0.000396
Piso 2	B49	893	V(30x50)	1.5	No Message	B.2.4-7b	0.000256	0.000256
Piso 2	B49	893	V(30x50)	1.5	No Message	B.2.4-7b	0.000257	0.000257
Piso 2	B49	893	V(30x50)	2	No Message	B.2.4-5b	0.000171	0.000171
Piso 2	B49	893	V(30x50)	2	No Message	B.2.4-5b	0.000172	0.000172
Piso 2	B49	893	V(30x50)	2.5	No Message	B.2.4-5b	0.000172	0.000172
Piso 2	B49	893	V(30x50)	2.5	No Message	B.2.4-5b	0.000173	0.000173
Piso 2	B49	893	V(30x50)	3	No Message	B.2.4-5b	0.000173	0.000173
Piso 2	B49	893	V(30x50)	3	No Message	B.2.4-5b	0.000175	0.000175
Piso 2	B49	893	V(30x50)	3.5	No Message	B.2.4-5b	0.000175	0.000175
Piso 2	B49	893	V(30x50)	3.5	No Message	B.2.4-5b	0.000177	0.000177
Piso 2	B49	893	V(30x50)	4	No Message	B.2.4-5b	0.000177	0.000177
Piso 2	B49	893	V(30x50)	4	No Message	B.2.4-5b	0.000178	0.000178
Piso 2	B49	893	V(30x50)	4.5	No Message	B.2.4-7b	0.000247	0.000247
Piso 2	B49	893	V(30x50)	4.5	No Message	B.2.4-7b	0.000249	0.000249
Piso 2	B49	893	V(30x50)	5	No Message	B.2.4-5b	0.000378	0.000378
Piso 2	B49	893	V(30x50)	5	No Message	B.2.4-5b	0.000379	0.000379
Piso 2	B49	893	V(30x50)	5.5	No Message	B.2.4-7b	0.000452	0.000452

Table: Concrete Beam Design Summary - ACI 318-08, Part 1 of 4

Story	Label	UniqueName	DesignSect	Station	Status	AsTopCombo	AsMinTop	AsTop
Unitless	Unitless	Unitless	Unitless	m	Unitless	Unitless	m²	m²
Piso 2	B49	893	V(30x50)	5.5	No Message	B.2.4-7b	0.000452	0.000452
Piso 2	B49	893	V(30x50)	5.7	No Message	B.2.4-5b	0.000452	0.000458
Piso 2	B50	897	V(30x50)	0.25	No Message	B.2.4-7b	0.000452	0.000452
Piso 2	B50	897	V(30x50)	0.5	No Message	B.2.4-5b	0.000452	0.000452
Piso 2	B50	897	V(30x50)	0.5	No Message	B.2.4-5b	0.000449	0.000449
Piso 2	B50	897	V(30x50)	1	No Message	B.2.4-7b	0.000301	0.000301
Piso 2	B50	897	V(30x50)	1	No Message	B.2.4-7b	0.000295	0.000295
Piso 2	B50	897	V(30x50)	1.5	No Message	B.2.4-7b	0.000191	0.000191
Piso 2	B50	897	V(30x50)	1.5	No Message	B.2.4-7b	0.000186	0.000186
Piso 2	B50	897	V(30x50)	2	No Message	B.2.4-5b	0.000176	0.000176
Piso 2	B50	897	V(30x50)	2	No Message	B.2.4-5b	0.000179	0.000179
Piso 2	B50	897	V(30x50)	2.5	No Message	B.2.4-5b	0.000179	0.000179
Piso 2	B50	897	V(30x50)	2.5	No Message	B.2.4-5b	0.000181	0.000181
Piso 2	B50	897	V(30x50)	3	No Message	B.2.4-5b	0.000181	0.000181
Piso 2	B50	897	V(30x50)	3	No Message	B.2.4-5b	0.000183	0.000183
Piso 2	B50	897	V(30x50)	3.5	No Message	B.2.4-5b	0.000183	0.000183
Piso 2	B50	897	V(30x50)	3.5	No Message	B.2.4-5b	0.000185	0.000185
Piso 2	B50	897	V(30x50)	4	No Message	B.2.4-5b	0.000185	0.000185
Piso 2	B50	897	V(30x50)	4	No Message	B.2.4-5b	0.000187	0.000187
Piso 2	B50	897	V(30x50)	4.5	No Message	B.2.4-5b	0.000243	0.000243
Piso 2	B50	897	V(30x50)	4.5	No Message	B.2.4-5b	0.000255	0.000255
Piso 2	B50	897	V(30x50)	5	No Message	B.2.4-5b	0.000404	0.000404
Piso 2	B50	897	V(30x50)	5	No Message	B.2.4-5b	0.000418	0.000418
Piso 2	B50	897	V(30x50)	5.5	No Message	B.2.4-7b	0.000452	0.000452
Piso 2	B50	897	V(30x50)	5.5	No Message	B.2.4-7b	0.000452	0.000452
Piso 2	B50	897	V(30x50)	5.7	No Message	B.2.4-5b	0.000452	0.00051
Piso 2	B51	901	V(30x50)	0.3	No Message	B.2.4-5b	0.000452	0.000452
Piso 2	B51	901	V(30x50)	0.5	No Message	B.2.4-5b	0.000427	0.000427
Piso 2	B51	901	V(30x50)	0.5	No Message	B.2.4-5b	0.000428	0.000428
Piso 2	B51	901	V(30x50)	1	No Message	B.2.4-7b	0.000284	0.000284
Piso 2	B51	901	V(30x50)	1	No Message	B.2.4-7b	0.000284	0.000284
Piso 2	B51	901	V(30x50)	1.5	No Message	B.2.4-7b	0.00018	0.00018
Piso 2	B51	901	V(30x50)	1.5	No Message	B.2.4-7b	0.000178	0.000178
Piso 2	B51	901	V(30x50)	2	No Message	B.2.4-5b	0.00014	0.00014
Piso 2	B51	901	V(30x50)	2	No Message	B.2.4-5b	0.000139	0.000139
Piso 2	B51	901	V(30x50)	2.5	No Message	B.2.4-5b	0.000139	0.000139
Piso 2	B51	901	V(30x50)	2.5	No Message	B.2.4-5b	0.00014	0.00014
Piso 2	B51	901	V(30x50)	3	No Message	B.2.4-5b	0.00014	0.00014
Piso 2	B51	901	V(30x50)	3	No Message	B.2.4-5b	0.000142	0.000142
Piso 2	B51	901	V(30x50)	3.5	No Message	B.2.4-5b	0.000142	0.000142
Piso 2	B51	901	V(30x50)	3.5	No Message	B.2.4-5b	0.000145	0.000145
Piso 2	B51	901	V(30x50)	4	No Message	B.2.4-5b	0.000145	0.000145
Piso 2	B51	901	V(30x50)	4	No Message	B.2.4-5b	0.000148	0.000148
Piso 2	B51	901	V(30x50)	4.5	No Message	B.2.4-7b	0.0002	0.0002
Piso 2	B51	901	V(30x50)	4.5	No Message	B.2.4-7b	0.000202	0.000202
Piso 2	B51	901	V(30x50)	5	No Message	B.2.4-5b	0.000334	0.000334
Piso 2	B51	901	V(30x50)	5	No Message	B.2.4-5b	0.000335	0.000335
Piso 2	B51	901	V(30x50)	5.5	No Message	B.2.4-5b	0.000452	0.000452

Table: Concrete Beam Design Summary - ACI 318-08, Part 1 of 4

Story	Label	UniqueName	DesignSect	Station	Status	AsTopComb o	AsMinTop	AsTop
Unitless	Unitless	Unitless	Unitless	m	Unitless	Unitless	m²	m²
Piso 2	B51	901	V(30x50)	5.5	No Message	B.2.4-5b	0.000452	0.000452
Piso 2	B51	901	V(30x50)	5.7	No Message	B.2.4-7b	0.000452	0.000452
Piso 2	B52	905	V(30x50)	0.3	No Message	B.2.4-7b	0.000452	0.000452
Piso 2	B52	905	V(30x50)	0.5	No Message	B.2.4-7b	0.000452	0.000452
Piso 2	B52	905	V(30x50)	0.5	No Message	B.2.4-7b	0.000452	0.000452
Piso 2	B52	905	V(30x50)	1	No Message	B.2.4-5b	0.000347	0.000347
Piso 2	B52	905	V(30x50)	1	No Message	B.2.4-5b	0.000347	0.000347
Piso 2	B52	905	V(30x50)	1.5	No Message	B.2.4-7b	0.00022	0.00022
Piso 2	B52	905	V(30x50)	1.5	No Message	B.2.4-7b	0.000218	0.000218
Piso 2	B52	905	V(30x50)	2	No Message	B.2.4-5b	0.000169	0.000169
Piso 2	B52	905	V(30x50)	2	No Message	B.2.4-5b	0.000166	0.000166
Piso 2	B52	905	V(30x50)	2.5	No Message	B.2.4-5b	0.000166	0.000166
Piso 2	B52	905	V(30x50)	2.5	No Message	B.2.4-5b	0.000163	0.000163
Piso 2	B52	905	V(30x50)	3	No Message	B.2.4-5b	0.000163	0.000163
Piso 2	B52	905	V(30x50)	3	No Message	B.2.4-5b	0.000161	0.000161
Piso 2	B52	905	V(30x50)	3.5	No Message	B.2.4-5b	0.000161	0.000161
Piso 2	B52	905	V(30x50)	3.5	No Message	B.2.4-5b	0.000159	0.000159
Piso 2	B52	905	V(30x50)	4	No Message	B.2.4-5b	0.000159	0.000159
Piso 2	B52	905	V(30x50)	4	No Message	B.2.4-5b	0.000157	0.000157
Piso 2	B52	905	V(30x50)	4.5	No Message	B.2.4-7b	0.000203	0.000203
Piso 2	B52	905	V(30x50)	4.5	No Message	B.2.4-7b	0.000202	0.000202
Piso 2	B52	905	V(30x50)	5	No Message	B.2.4-5b	0.000308	0.000308
Piso 2	B52	905	V(30x50)	5	No Message	B.2.4-5b	0.000309	0.000309
Piso 2	B52	905	V(30x50)	5.5	No Message	B.2.4-5b	0.000452	0.000452
Piso 2	B52	905	V(30x50)	5.5	No Message	B.2.4-5b	0.000452	0.000452
Piso 2	B52	905	V(30x50)	5.7	No Message	B.2.4-7b	0.000452	0.000452
Piso 2	B53	909	V(30x50)	0.3	No Message	B.2.4-7b	0.000452	0.000452
Piso 2	B53	909	V(30x50)	0.79091	No Message	B.2.4-7b	0.000452	0.000452
Piso 2	B53	909	V(30x50)	1.28182	No Message	B.2.4-5b	0.000373	0.000373
Piso 2	B53	909	V(30x50)	1.77273	No Message	B.2.4-5b	0.000273	0.000273
Piso 2	B53	909	V(30x50)	2.26364	No Message	B.2.4-5b	0.00022	0.00022
Piso 2	B53	909	V(30x50)	2.75455	No Message	B.2.4-5b	0.00022	0.00022
Piso 2	B53	909	V(30x50)	3.24545	No Message	B.2.4-5b	0.00022	0.00022
Piso 2	B53	909	V(30x50)	3.73636	No Message	B.2.4-5b	0.00022	0.00022
Piso 2	B53	909	V(30x50)	4.22727	No Message	B.2.4-7b	0.000265	0.000265
Piso 2	B53	909	V(30x50)	4.71818	No Message	B.2.4-5b	0.000356	0.000356
Piso 2	B53	909	V(30x50)	5.20909	No Message	B.2.4-5b	0.000452	0.000452
Piso 2	B53	909	V(30x50)	5.7	No Message	B.2.4-7b	0.000452	0.000452
Piso 2	B59	933	V(30x50)	0.3	No Message	B.2.4-7b	0.000452	0.000452
Piso 2	B59	933	V(30x50)	0.5	No Message	B.2.4-5b	0.000452	0.000452
Piso 2	B59	933	V(30x50)	0.5	No Message	B.2.4-5b	0.000452	0.000452
Piso 2	B59	933	V(30x50)	1	No Message	B.2.4-5b	0.000327	0.000327
Piso 2	B59	933	V(30x50)	1	No Message	B.2.4-5b	0.00032	0.00032
Piso 2	B59	933	V(30x50)	1.5	No Message	B.2.4-7b	0.000192	0.000192
Piso 2	B59	933	V(30x50)	1.5	No Message	B.2.4-7b	0.000186	0.000186
Piso 2	B59	933	V(30x50)	2	No Message	B.2.4-5b	0.000153	0.000153
Piso 2	B59	933	V(30x50)	2	No Message	B.2.4-5b	0.000154	0.000154
Piso 2	B59	933	V(30x50)	2.5	No Message	B.2.4-5b	0.000154	0.000154

Table: Concrete Beam Design Summary - ACI 318-08, Part 1 of 4

Story	Label	UniqueName	DesignSect	Station	Status	AsTopComb o	AsMinTop	AsTop
Unitless	Unitless	Unitless	Unitless	m	Unitless	Unitless	m²	m²
Piso 2	B59	933	V(30x50)	2.5	No Message	B.2.4-5b	0.000155	0.000155
Piso 2	B59	933	V(30x50)	3	No Message	B.2.4-5b	0.000155	0.000155
Piso 2	B59	933	V(30x50)	3	No Message	B.2.4-5b	0.000156	0.000156
Piso 2	B59	933	V(30x50)	3.5	No Message	B.2.4-5b	0.000156	0.000156
Piso 2	B59	933	V(30x50)	3.5	No Message	B.2.4-5b	0.000158	0.000158
Piso 2	B59	933	V(30x50)	4	No Message	B.2.4-5b	0.000158	0.000158
Piso 2	B59	933	V(30x50)	4	No Message	B.2.4-5b	0.000159	0.000159
Piso 2	B59	933	V(30x50)	4.5	No Message	B.2.4-7b	0.00018	0.00018
Piso 2	B59	933	V(30x50)	4.5	No Message	B.2.4-7b	0.000187	0.000187
Piso 2	B59	933	V(30x50)	5	No Message	B.2.4-5b	0.000303	0.000303
Piso 2	B59	933	V(30x50)	5	No Message	B.2.4-5b	0.000313	0.000313
Piso 2	B59	933	V(30x50)	5.5	No Message	B.2.4-5b	0.000452	0.000452
Piso 2	B59	933	V(30x50)	5.5	No Message	B.2.4-5b	0.000452	0.000452
Piso 2	B59	933	V(30x50)	5.7	No Message	B.2.4-7b	0.000452	0.000452
Piso 2	B62	945	V(50x50)	0.25	No Message	B.2.4-5b	0.000753	0.000753
Piso 2	B62	945	V(50x50)	0.5	No Message	B.2.4-5b	0.000691	0.000691
Piso 2	B62	945	V(50x50)	0.5	No Message	B.2.4-5b	0.000673	0.000673
Piso 2	B62	945	V(50x50)	1	No Message	B.2.4-7b	0.000563	0.000563
Piso 2	B62	945	V(50x50)	1	No Message	B.2.4-7b	0.000541	0.000541
Piso 2	B62	945	V(50x50)	1.5	No Message	B.2.4-7b	0.000445	0.000445
Piso 2	B62	945	V(50x50)	1.5	No Message	B.2.4-7b	0.000419	0.000419
Piso 2	B62	945	V(50x50)	2	No Message	B.2.4-5b	0.000407	0.000407
Piso 2	B62	945	V(50x50)	2	No Message	B.2.4-5b	0.000379	0.000379
Piso 2	B62	945	V(50x50)	2.5	No Message	B.2.4-5b	0.000379	0.000379
Piso 2	B62	945	V(50x50)	2.5	No Message	B.2.4-5b	0.000351	0.000351
Piso 2	B62	945	V(50x50)	3	No Message	B.2.4-5b	0.000351	0.000351
Piso 2	B62	945	V(50x50)	3	No Message	B.2.4-5b	0.000323	0.000323
Piso 2	B62	945	V(50x50)	3.5	No Message	B.2.4-5b	0.000323	0.000323
Piso 2	B62	945	V(50x50)	3.5	No Message	B.2.4-5b	0.000296	0.000296
Piso 2	B62	945	V(50x50)	4	No Message	B.2.4-5b	0.000296	0.000296
Piso 2	B62	945	V(50x50)	4	No Message	B.2.4-5b	0.000269	0.000269
Piso 2	B62	945	V(50x50)	4.5	No Message	B.2.4-7b	0.000303	0.000303
Piso 2	B62	945	V(50x50)	4.5	No Message	B.2.4-7b	0.000276	0.000276
Piso 2	B62	945	V(50x50)	5	No Message	B.2.4-5b	0.000379	0.000379
Piso 2	B62	945	V(50x50)	5	No Message	B.2.4-5b	0.000355	0.000355
Piso 2	B62	945	V(50x50)	5.5	No Message	B.2.4-5b	0.000485	0.000485
Piso 2	B62	945	V(50x50)	5.5	No Message	B.2.4-5b	0.000467	0.000467
Piso 2	B62	945	V(50x50)	5.75	No Message	B.2.4-5b	0.000539	0.000539
Piso 2	B63	949	V(50x50)	0.25	No Message	B.2.4-5b	0.000472	0.000472
Piso 2	B63	949	V(50x50)	0.5	No Message	B.2.4-5b	0.000403	0.000403
Piso 2	B63	949	V(50x50)	0.5	No Message	B.2.4-5b	0.000401	0.000401
Piso 2	B63	949	V(50x50)	1	No Message	B.2.4-5b	0.000277	0.000277
Piso 2	B63	949	V(50x50)	1	No Message	B.2.4-5b	0.000275	0.000275
Piso 2	B63	949	V(50x50)	1.5	No Message	B.2.4-7b	0.000185	0.000185
Piso 2	B63	949	V(50x50)	1.5	No Message	B.2.4-7b	0.000182	0.000182
Piso 2	B63	949	V(50x50)	2	No Message	B.2.4-5b	0.000159	0.000159
Piso 2	B63	949	V(50x50)	2	No Message	B.2.4-5b	0.000157	0.000157
Piso 2	B63	949	V(50x50)	2.5	No Message	B.2.4-5b	0.000157	0.000157

Table: Concrete Beam Design Summary - ACI 318-08, Part 1 of 4

Story	Label	UniqueName	DesignSect	Station	Status	AsTopComb o	AsMinTop	AsTop
Unitless	Unitless	Unitless	Unitless	m	Unitless	Unitless	m²	m²
Piso 2	B63	949	V(50x50)	2.5	No Message	B.2.4-5b	0.000154	0.000154
Piso 2	B63	949	V(50x50)	3	No Message	B.2.4-5b	0.000154	0.000154
Piso 2	B63	949	V(50x50)	3	No Message	B.2.4-5b	0.000151	0.000151
Piso 2	B63	949	V(50x50)	3.5	No Message	B.2.4-5b	0.000151	0.000151
Piso 2	B63	949	V(50x50)	3.5	No Message	B.2.4-5b	0.000149	0.000149
Piso 2	B63	949	V(50x50)	4	No Message	B.2.4-5b	0.000149	0.000149
Piso 2	B63	949	V(50x50)	4	No Message	B.2.4-5b	0.000147	0.000147
Piso 2	B63	949	V(50x50)	4.5	No Message	B.2.4-7b	0.000174	0.000174
Piso 2	B63	949	V(50x50)	4.5	No Message	B.2.4-7b	0.000173	0.000173
Piso 2	B63	949	V(50x50)	5	No Message	B.2.4-5b	0.000275	0.000275
Piso 2	B63	949	V(50x50)	5	No Message	B.2.4-5b	0.000275	0.000275
Piso 2	B63	949	V(50x50)	5.5	No Message	B.2.4-5b	0.000404	0.000404
Piso 2	B63	949	V(50x50)	5.5	No Message	B.2.4-5b	0.000404	0.000404
Piso 2	B63	949	V(50x50)	5.75	No Message	B.2.4-5b	0.000476	0.000476
Piso 2	B64	953	V(50x50)	0.25	No Message	B.2.4-5b	0.000442	0.000442
Piso 2	B64	953	V(50x50)	0.5	No Message	B.2.4-5b	0.000371	0.000371
Piso 2	B64	953	V(50x50)	0.5	No Message	B.2.4-5b	0.000371	0.000371
Piso 2	B64	953	V(50x50)	1	No Message	B.2.4-5b	0.000242	0.000242
Piso 2	B64	953	V(50x50)	1	No Message	B.2.4-5b	0.000242	0.000242
Piso 2	B64	953	V(50x50)	1.5	No Message	B.2.4-7b	0.000149	0.000149
Piso 2	B64	953	V(50x50)	1.5	No Message	B.2.4-7b	0.000149	0.000149
Piso 2	B64	953	V(50x50)	2	No Message	B.2.4-5b	0.000124	0.000124
Piso 2	B64	953	V(50x50)	2	No Message	B.2.4-5b	0.000124	0.000124
Piso 2	B64	953	V(50x50)	2.5	No Message	B.2.4-5b	0.000124	0.000124
Piso 2	B64	953	V(50x50)	2.5	No Message	B.2.4-5b	0.000125	0.000125
Piso 2	B64	953	V(50x50)	3	No Message	B.2.4-5b	0.000125	0.000125
Piso 2	B64	953	V(50x50)	3	No Message	B.2.4-5b	0.000126	0.000126
Piso 2	B64	953	V(50x50)	3.5	No Message	B.2.4-5b	0.000126	0.000126
Piso 2	B64	953	V(50x50)	3.5	No Message	B.2.4-5b	0.000129	0.000129
Piso 2	B64	953	V(50x50)	4	No Message	B.2.4-5b	0.000129	0.000129
Piso 2	B64	953	V(50x50)	4	No Message	B.2.4-5b	0.000132	0.000132
Piso 2	B64	953	V(50x50)	4.5	No Message	B.2.4-7b	0.000163	0.000163
Piso 2	B64	953	V(50x50)	4.5	No Message	B.2.4-7b	0.000168	0.000168
Piso 2	B64	953	V(50x50)	5	No Message	B.2.4-7b	0.000258	0.000258
Piso 2	B64	953	V(50x50)	5	No Message	B.2.4-7b	0.000263	0.000263
Piso 2	B64	953	V(50x50)	5.5	No Message	B.2.4-5b	0.000382	0.000382
Piso 2	B64	953	V(50x50)	5.5	No Message	B.2.4-5b	0.000386	0.000386
Piso 2	B64	953	V(50x50)	5.75	No Message	B.2.4-5b	0.000455	0.000455
Piso 2	B65	957	V(50x50)	0.25	No Message	B.2.4-5b	0.000413	0.000413
Piso 2	B65	957	V(50x50)	0.7125	No Message	B.2.4-5b	0.000305	0.000305
Piso 2	B65	957	V(50x50)	1.175	No Message	B.2.4-7b	0.000211	0.000211
Piso 2	B65	957	V(50x50)	1.6375	No Message	B.2.4-7b	0.00014	0.00014
Piso 2	B65	957	V(50x50)	2.1	No Message	B.2.4-7b	0.000112	0.000112
Piso 2	B65	957	V(50x50)	2.5625	No Message	B.2.4-7b	0.000112	0.000112
Piso 2	B65	957	V(50x50)	3.025	No Message	B.2.4-7b	0.000112	0.000112
Piso 2	B65	957	V(50x50)	3.4875	No Message	B.2.4-7b	0.000112	0.000112
Piso 2	B65	957	V(50x50)	3.95	No Message	B.2.4-7b	0.000112	0.000112
Piso 2	B65	957	V(50x50)	4.4125	No Message	B.2.4-7b	0.000112	0.000112

Table: Concrete Beam Design Summary - ACI 318-08, Part 1 of 4

Story	Label	UniqueName	DesignSect	Station	Status	AsTopCombo	AsMinTop	AsTop
Unitless	Unitless	Unitless	Unitless	m	Unitless	Unitless	m²	m²
Piso 2	B65	957	V(50x50)	4.875	No Message	B.2.4-7b	0.000179	0.000179
Piso 2	B65	957	V(50x50)	5.3375	No Message	B.2.4-5b	0.000267	0.000267
Piso 2	B65	957	V(50x50)	5.8	No Message	B.2.4-5b	0.000374	0.000374
Piso 2	B66	882	V(50x50)	0.2	No Message	B.2.4-5b	0.000348	0.000348
Piso 2	B66	882	V(50x50)	0.66667	No Message	B.2.4-5b	0.000239	0.000239
Piso 2	B66	882	V(50x50)	1.13333	No Message	B.2.4-7b	0.000154	0.000154
Piso 2	B66	882	V(50x50)	1.6	No Message	B.2.4-7b	9.4E-05	9.4E-05
Piso 2	B66	882	V(50x50)	2.06667	No Message	B.2.4-7b	9.4E-05	9.4E-05
Piso 2	B66	882	V(50x50)	2.53333	No Message	B.2.4-7b	9.4E-05	9.4E-05
Piso 2	B66	882	V(50x50)	3	No Message	B.2.4-7b	9.4E-05	9.4E-05
Piso 2	B66	882	V(50x50)	3.46667	No Message	B.2.4-7b	9.4E-05	9.4E-05
Piso 2	B66	882	V(50x50)	3.93333	No Message	B.2.4-7b	9.4E-05	9.4E-05
Piso 2	B66	882	V(50x50)	4.4	No Message	B.2.4-7b	0.000115	0.000115
Piso 2	B66	882	V(50x50)	4.86667	No Message	B.2.4-7b	0.000185	0.000185
Piso 2	B66	882	V(50x50)	5.33333	No Message	B.2.4-5b	0.000272	0.000272
Piso 2	B66	882	V(50x50)	5.8	No Message	B.2.4-5b	0.00038	0.00038
Piso 2	B70	977	V(30x50)	0.25	No Message	B.2.4-7b	0.000194	0.000194
Piso 2	B70	977	V(30x50)	0.7125	No Message	B.2.4-7b	0.000145	0.000145
Piso 2	B70	977	V(30x50)	1.175	No Message	B.2.4-7b	0.000101	0.000101
Piso 2	B70	977	V(30x50)	1.6375	No Message	B.2.4-7b	7.5E-05	7.5E-05
Piso 2	B70	977	V(30x50)	2.1	No Message	B.2.4-7b	7.5E-05	7.5E-05
Piso 2	B70	977	V(30x50)	2.5625	No Message	B.2.4-7b	7.5E-05	7.5E-05
Piso 2	B70	977	V(30x50)	3.025	No Message	B.2.4-7b	7.5E-05	7.5E-05
Piso 2	B70	977	V(30x50)	3.4875	No Message	B.2.4-7b	7.5E-05	7.5E-05
Piso 2	B70	977	V(30x50)	3.95	No Message	B.2.4-7b	7.5E-05	7.5E-05
Piso 2	B70	977	V(30x50)	4.4125	No Message	B.2.4-7b	8.3E-05	8.3E-05
Piso 2	B70	977	V(30x50)	4.875	No Message	B.2.4-7b	0.000126	0.000126
Piso 2	B70	977	V(30x50)	5.3375	No Message	B.2.4-5b	0.00018	0.00018
Piso 2	B70	977	V(30x50)	5.8	No Message	B.2.4-5b	0.000248	0.000248
Piso 2	B71	981	V(30x50)	0.2	No Message	B.2.4-5b	0.00022	0.00022
Piso 2	B71	981	V(30x50)	0.66667	No Message	B.2.4-7b	0.000164	0.000164
Piso 2	B71	981	V(30x50)	1.13333	No Message	B.2.4-7b	0.000116	0.000116
Piso 2	B71	981	V(30x50)	1.6	No Message	B.2.4-7b	7.5E-05	7.5E-05
Piso 2	B71	981	V(30x50)	2.06667	No Message	B.2.4-7b	7.4E-05	7.4E-05
Piso 2	B71	981	V(30x50)	2.53333	No Message	B.2.4-7b	7.4E-05	7.4E-05
Piso 2	B71	981	V(30x50)	3	No Message	B.2.4-7b	7.4E-05	7.4E-05
Piso 2	B71	981	V(30x50)	3.46667	No Message	B.2.4-7b	7.4E-05	7.4E-05
Piso 2	B71	981	V(30x50)	3.93333	No Message	B.2.4-7b	7.4E-05	7.4E-05
Piso 2	B71	981	V(30x50)	4.4	No Message	B.2.4-7b	8E-05	8E-05
Piso 2	B71	981	V(30x50)	4.86667	No Message	B.2.4-7b	0.000123	0.000123
Piso 2	B71	981	V(30x50)	5.33333	No Message	B.2.4-7b	0.000172	0.000172
Piso 2	B71	981	V(30x50)	5.8	No Message	B.2.4-5b	0.000236	0.000236
Piso 2	B72	985	V(30x50)	0.2	No Message	B.2.4-5b	0.000229	0.000229
Piso 2	B72	985	V(30x50)	0.66667	No Message	B.2.4-7b	0.000171	0.000171
Piso 2	B72	985	V(30x50)	1.13333	No Message	B.2.4-7b	0.000122	0.000122
Piso 2	B72	985	V(30x50)	1.6	No Message	B.2.4-7b	7.9E-05	7.9E-05
Piso 2	B72	985	V(30x50)	2.06667	No Message	B.2.4-7b	7.8E-05	7.8E-05
Piso 2	B72	985	V(30x50)	2.53333	No Message	B.2.4-7b	7.8E-05	7.8E-05

Table: Concrete Beam Design Summary - ACI 318-08, Part 1 of 4

Story	Label	UniqueName	DesignSect	Station	Status	AsTopCombo	AsMinTop	AsTop
Unitless	Unitless	Unitless	Unitless	m	Unitless	Unitless	m²	m²
Piso 2	B72	985	V(30x50)	3	No Message	B.2.4-7b	7.8E-05	7.8E-05
Piso 2	B72	985	V(30x50)	3.46667	No Message	B.2.4-7b	7.8E-05	7.8E-05
Piso 2	B72	985	V(30x50)	3.93333	No Message	B.2.4-7b	7.8E-05	7.8E-05
Piso 2	B72	985	V(30x50)	4.4	No Message	B.2.4-7b	9.1E-05	9.1E-05
Piso 2	B72	985	V(30x50)	4.86667	No Message	B.2.4-7b	0.000136	0.000136
Piso 2	B72	985	V(30x50)	5.33333	No Message	B.2.4-5b	0.000189	0.000189
Piso 2	B72	985	V(30x50)	5.8	No Message	B.2.4-5b	0.000257	0.000257
Piso 2	B73	989	V(30x50)	0.2	No Message	B.2.4-5b	0.000238	0.000238
Piso 2	B73	989	V(30x50)	0.66667	No Message	B.2.4-7b	0.000175	0.000175
Piso 2	B73	989	V(30x50)	1.13333	No Message	B.2.4-7b	0.000125	0.000125
Piso 2	B73	989	V(30x50)	1.6	No Message	B.2.4-7b	8E-05	8E-05
Piso 2	B73	989	V(30x50)	2.06667	No Message	B.2.4-7b	7.1E-05	7.1E-05
Piso 2	B73	989	V(30x50)	2.53333	No Message	B.2.4-7b	7.1E-05	7.1E-05
Piso 2	B73	989	V(30x50)	3	No Message	B.2.4-7b	7.1E-05	7.1E-05
Piso 2	B73	989	V(30x50)	3.46667	No Message	B.2.4-7b	7.1E-05	7.1E-05
Piso 2	B73	989	V(30x50)	3.93333	No Message	B.2.4-7b	7.1E-05	7.1E-05
Piso 2	B73	989	V(30x50)	4.4	No Message	B.2.4-7b	7.5E-05	7.5E-05
Piso 2	B73	989	V(30x50)	4.86667	No Message	B.2.4-7b	0.000119	0.000119
Piso 2	B73	989	V(30x50)	5.33333	No Message	B.2.4-7b	0.00017	0.00017
Piso 2	B73	989	V(30x50)	5.8	No Message	B.2.4-5b	0.000232	0.000232
Piso 2	B74	894	V(30x50)	0.2	No Message	B.2.4-7b	0.00024	0.00024
Piso 2	B74	894	V(30x50)	0.66667	No Message	B.2.4-7b	0.000178	0.000178
Piso 2	B74	894	V(30x50)	1.13333	No Message	B.2.4-7b	0.000121	0.000121
Piso 2	B74	894	V(30x50)	1.6	No Message	B.2.4-7b	7.5E-05	7.5E-05
Piso 2	B74	894	V(30x50)	2.06667	No Message	B.2.4-7b	7.5E-05	7.5E-05
Piso 2	B74	894	V(30x50)	2.53333	No Message	B.2.4-7b	7.5E-05	7.5E-05
Piso 2	B74	894	V(30x50)	3	No Message	B.2.4-7b	7.5E-05	7.5E-05
Piso 2	B74	894	V(30x50)	3.46667	No Message	B.2.4-7b	7.5E-05	7.5E-05
Piso 2	B74	894	V(30x50)	3.93333	No Message	B.2.4-7b	7.5E-05	7.5E-05
Piso 2	B74	894	V(30x50)	4.4	No Message	B.2.4-7b	0.000112	0.000112
Piso 2	B74	894	V(30x50)	4.86667	No Message	B.2.4-7b	0.000165	0.000165
Piso 2	B74	894	V(30x50)	5.33333	No Message	B.2.4-5b	0.000228	0.000228
Piso 2	B74	894	V(30x50)	5.8	No Message	B.2.4-5b	0.000305	0.000305
Piso 2	B76	1001	V(40x65)	0.25	No Message	B.2.4-5b	0.000804	0.000804
Piso 2	B76	1001	V(40x65)	0.525	No Message	B.2.4-5b	0.000712	0.000712
Piso 2	B76	1001	V(40x65)	0.8	No Message	B.2.4-5b	0.00055	0.00055
Piso 2	B76	1001	V(40x65)	0.8	No Message	B.2.4-5b	0.000509	0.000509
Piso 2	B76	1001	V(40x65)	1.2	No Message	B.2.4-5b	0.000365	0.000365
Piso 2	B76	1001	V(40x65)	1.6	No Message	B.2.4-5b	0.000365	0.000365
Piso 2	B76	1001	V(40x65)	1.6	No Message	B.2.4-5b	0.000341	0.000341
Piso 2	B76	1001	V(40x65)	2	No Message	B.2.4-5b	0.000341	0.000341
Piso 2	B76	1001	V(40x65)	2.4	No Message	B.2.4-5b	0.000341	0.000341
Piso 2	B76	1001	V(40x65)	2.4	No Message	B.2.4-5b	0.000335	0.000335
Piso 2	B76	1001	V(40x65)	2.77	No Message	B.2.4-5b	0.000335	0.000335
Piso 2	B76	1001	V(40x65)	2.77	No Message	B.2.4-7b	0.000414	0.000414
Piso 2	B76	1001	V(40x65)	3.11333	No Message	B.2.4-5b	0.00041	0.00041
Piso 2	B76	1001	V(40x65)	3.45667	No Message	B.2.4-5b	0.00041	0.00041
Piso 2	B76	1001	V(40x65)	3.8	No Message	B.2.4-5b	0.000426	0.000426

Table: Concrete Beam Design Summary - ACI 318-08, Part 1 of 4

Story	Label	UniqueName	DesignSect	Station	Status	AsTopCombo	AsMinTop	AsTop
Unitless	Unitless	Unitless	Unitless	m	Unitless	Unitless	m²	m²
Piso 2	B82	1025	V(30x50)	0.25	No Message	B.2.4-5b	0.000452	0.000523
Piso 2	B82	1025	V(30x50)	0.5	No Message	B.2.4-7b	0.000452	0.000452
Piso 2	B82	1025	V(30x50)	0.5	No Message	B.2.4-7b	0.000452	0.000452
Piso 2	B82	1025	V(30x50)	1	No Message	B.2.4-5b	0.000347	0.000347
Piso 2	B82	1025	V(30x50)	1	No Message	B.2.4-5b	0.000334	0.000334
Piso 2	B82	1025	V(30x50)	1.5	No Message	B.2.4-7b	0.000197	0.000197
Piso 2	B82	1025	V(30x50)	1.5	No Message	B.2.4-5b	0.000191	0.000191
Piso 2	B82	1025	V(30x50)	2	No Message	B.2.4-5b	0.000191	0.000191
Piso 2	B82	1025	V(30x50)	2	No Message	B.2.4-5b	0.000192	0.000192
Piso 2	B82	1025	V(30x50)	2.5	No Message	B.2.4-5b	0.000192	0.000192
Piso 2	B82	1025	V(30x50)	2.5	No Message	B.2.4-5b	0.000193	0.000193
Piso 2	B82	1025	V(30x50)	3	No Message	B.2.4-5b	0.000193	0.000193
Piso 2	B82	1025	V(30x50)	3	No Message	B.2.4-5b	0.000194	0.000194
Piso 2	B82	1025	V(30x50)	3.5	No Message	B.2.4-5b	0.000194	0.000194
Piso 2	B82	1025	V(30x50)	3.5	No Message	B.2.4-5b	0.000195	0.000195
Piso 2	B82	1025	V(30x50)	4	No Message	B.2.4-5b	0.000195	0.000195
Piso 2	B82	1025	V(30x50)	4	No Message	B.2.4-5b	0.000196	0.000196
Piso 2	B82	1025	V(30x50)	4.5	No Message	B.2.4-7b	0.00023	0.00023
Piso 2	B82	1025	V(30x50)	4.5	No Message	B.2.4-7b	0.00024	0.00024
Piso 2	B82	1025	V(30x50)	5	No Message	B.2.4-5b	0.000387	0.000387
Piso 2	B82	1025	V(30x50)	5	No Message	B.2.4-5b	0.000401	0.000401
Piso 2	B82	1025	V(30x50)	5.5	No Message	B.2.4-7b	0.000452	0.000452
Piso 2	B82	1025	V(30x50)	5.5	No Message	B.2.4-5b	0.000452	0.000457
Piso 2	B82	1025	V(30x50)	5.75	No Message	B.2.4-5b	0.000452	0.000559
Piso 2	B83	1026	V(30x50)	0.25	No Message	B.2.4-5b	0.000452	0.000548
Piso 2	B83	1026	V(30x50)	0.5	No Message	B.2.4-7b	0.000452	0.000452
Piso 2	B83	1026	V(30x50)	0.5	No Message	B.2.4-7b	0.000452	0.000452
Piso 2	B83	1026	V(30x50)	1	No Message	B.2.4-5b	0.000401	0.000401
Piso 2	B83	1026	V(30x50)	1	No Message	B.2.4-5b	0.000388	0.000388
Piso 2	B83	1026	V(30x50)	1.5	No Message	B.2.4-7b	0.000251	0.000251
Piso 2	B83	1026	V(30x50)	1.5	No Message	B.2.4-7b	0.000241	0.000241
Piso 2	B83	1026	V(30x50)	2	No Message	B.2.4-5b	0.000203	0.000203
Piso 2	B83	1026	V(30x50)	2	No Message	B.2.4-5b	0.000203	0.000203
Piso 2	B83	1026	V(30x50)	2.5	No Message	B.2.4-5b	0.000203	0.000203
Piso 2	B83	1026	V(30x50)	2.5	No Message	B.2.4-5b	0.000202	0.000202
Piso 2	B83	1026	V(30x50)	3	No Message	B.2.4-5b	0.000202	0.000202
Piso 2	B83	1026	V(30x50)	3	No Message	B.2.4-5b	0.000201	0.000201
Piso 2	B83	1026	V(30x50)	3.5	No Message	B.2.4-5b	0.000201	0.000201
Piso 2	B83	1026	V(30x50)	3.5	No Message	B.2.4-5b	0.000201	0.000201
Piso 2	B83	1026	V(30x50)	4	No Message	B.2.4-5b	0.000201	0.000201
Piso 2	B83	1026	V(30x50)	4	No Message	B.2.4-5b	0.0002	0.0002
Piso 2	B83	1026	V(30x50)	4.5	No Message	B.2.4-5b	0.000239	0.000239
Piso 2	B83	1026	V(30x50)	4.5	No Message	B.2.4-5b	0.00025	0.00025
Piso 2	B83	1026	V(30x50)	5	No Message	B.2.4-5b	0.000418	0.000418
Piso 2	B83	1026	V(30x50)	5	No Message	B.2.4-5b	0.000431	0.000431
Piso 2	B83	1026	V(30x50)	5.5	No Message	B.2.4-5b	0.000452	0.000468
Piso 2	B83	1026	V(30x50)	5.5	No Message	B.2.4-5b	0.000452	0.000479
Piso 2	B83	1026	V(30x50)	5.75	No Message	B.2.4-5b	0.000452	0.000556

Table: Concrete Beam Design Summary - ACI 318-08, Part 1 of 4

Story	Label	UniqueName	DesignSect	Station	Status	AsTopComb o	AsMinTop	AsTop
Unitless	Unitless	Unitless	Unitless	m	Unitless	Unitless	m²	m²
Piso 2	B87	1027	V(30x50)	0.25	No Message	B.2.4-7b	0.000452	0.000452
Piso 2	B87	1027	V(30x50)	0.75	No Message	B.2.4-5b	0.000399	0.000399
Piso 2	B87	1027	V(30x50)	1.25	No Message	B.2.4-7b	0.000296	0.000296
Piso 2	B87	1027	V(30x50)	1.75	No Message	B.2.4-7b	0.000207	0.000207
Piso 2	B87	1027	V(30x50)	2.25	No Message	B.2.4-5b	0.000175	0.000175
Piso 2	B87	1027	V(30x50)	2.75	No Message	B.2.4-5b	0.000175	0.000175
Piso 2	B87	1027	V(30x50)	3.25	No Message	B.2.4-5b	0.000175	0.000175
Piso 2	B87	1027	V(30x50)	3.75	No Message	B.2.4-5b	0.000175	0.000175
Piso 2	B87	1027	V(30x50)	4.25	No Message	B.2.4-5b	0.000175	0.000175
Piso 2	B87	1027	V(30x50)	4.75	No Message	B.2.4-7b	0.000263	0.000263
Piso 2	B87	1027	V(30x50)	5.25	No Message	B.2.4-5b	0.000392	0.000392
Piso 2	B87	1027	V(30x50)	5.75	No Message	B.2.4-7b	0.000452	0.000452
Piso 2	B90	1030	V(30x50)	0.25	No Message	B.2.4-5b	0.000452	0.000516
Piso 2	B90	1030	V(30x50)	0.75	No Message	B.2.4-5b	0.000452	0.000452
Piso 2	B90	1030	V(30x50)	1.25	No Message	B.2.4-5b	0.000298	0.000298
Piso 2	B90	1030	V(30x50)	1.75	No Message	B.2.4-5b	0.000182	0.000182
Piso 2	B90	1030	V(30x50)	2.25	No Message	B.2.4-5b	0.000182	0.000182
Piso 2	B90	1030	V(30x50)	2.75	No Message	B.2.4-5b	0.000182	0.000182
Piso 2	B90	1030	V(30x50)	3.25	No Message	B.2.4-5b	0.000182	0.000182
Piso 2	B90	1030	V(30x50)	3.75	No Message	B.2.4-5b	0.000182	0.000182
Piso 2	B90	1030	V(30x50)	4.25	No Message	B.2.4-5b	0.000182	0.000182
Piso 2	B90	1030	V(30x50)	4.75	No Message	B.2.4-7b	0.000282	0.000282
Piso 2	B90	1030	V(30x50)	5.25	No Message	B.2.4-5b	0.000422	0.000422
Piso 2	B90	1030	V(30x50)	5.75	No Message	B.2.4-5b	0.000452	0.00046
Piso 2	B91	1031	V(30x50)	0.25	No Message	B.2.4-5b	0.000452	0.000591
Piso 2	B91	1031	V(30x50)	0.75	No Message	B.2.4-5b	0.000452	0.000463
Piso 2	B91	1031	V(30x50)	1.25	No Message	B.2.4-5b	0.000452	0.000452
Piso 2	B91	1031	V(30x50)	1.75	No Message	B.2.4-5b	0.00033	0.00033
Piso 2	B91	1031	V(30x50)	2.25	No Message	B.2.4-5b	0.0003	0.0003
Piso 2	B91	1031	V(30x50)	2.75	No Message	B.2.4-5b	0.0003	0.0003
Piso 2	B91	1031	V(30x50)	3.25	No Message	B.2.4-5b	0.0003	0.0003
Piso 2	B91	1031	V(30x50)	3.75	No Message	B.2.4-5b	0.0003	0.0003
Piso 2	B91	1031	V(30x50)	4.25	No Message	B.2.4-7b	0.00032	0.00032
Piso 2	B91	1031	V(30x50)	4.75	No Message	B.2.4-7b	0.000433	0.000433
Piso 2	B91	1031	V(30x50)	5.25	No Message	B.2.4-7b	0.000452	0.000452
Piso 2	B91	1031	V(30x50)	5.75	No Message	B.2.4-5b	0.000452	0.000551
Piso 2	B92	1032	V(30x50)	0.25	No Message	B.2.4-5b	0.000452	0.000533
Piso 2	B92	1032	V(30x50)	0.75	No Message	B.2.4-7b	0.000452	0.000452
Piso 2	B92	1032	V(30x50)	1.25	No Message	B.2.4-7b	0.000452	0.000452
Piso 2	B92	1032	V(30x50)	1.75	No Message	B.2.4-7b	0.000403	0.000403
Piso 2	B92	1032	V(30x50)	2.25	No Message	B.2.4-5b	0.000338	0.000338
Piso 2	B92	1032	V(30x50)	2.75	No Message	B.2.4-5b	0.000338	0.000338
Piso 2	B92	1032	V(30x50)	3.25	No Message	B.2.4-5b	0.000338	0.000338
Piso 2	B92	1032	V(30x50)	3.75	No Message	B.2.4-5b	0.000338	0.000338
Piso 2	B92	1032	V(30x50)	4.25	No Message	B.2.4-7b	0.000357	0.000357
Piso 2	B92	1032	V(30x50)	4.75	No Message	B.2.4-7b	0.000452	0.000452
Piso 2	B92	1032	V(30x50)	5.25	No Message	B.2.4-7b	0.000452	0.000452
Piso 2	B92	1032	V(30x50)	5.75	No Message	B.2.4-5b	0.000452	0.00051

Table: Concrete Beam Design Summary - ACI 318-08, Part 1 of 4

Story	Label	UniqueName	DesignSect	Station	Status	AsTopComb o	AsMinTop	AsTop
Unitless	Unitless	Unitless	Unitless	m	Unitless	Unitless	m²	m²
Piso 2	B93	1033	V(30x50)	0.25	No Message	B.2.4-7b	0.000452	0.000452
Piso 2	B93	1033	V(30x50)	0.75	No Message	B.2.4-5b	0.000448	0.000448
Piso 2	B93	1033	V(30x50)	1.25	No Message	B.2.4-5b	0.000356	0.000356
Piso 2	B93	1033	V(30x50)	1.75	No Message	B.2.4-7b	0.000278	0.000278
Piso 2	B93	1033	V(30x50)	2.25	No Message	B.2.4-5b	0.000245	0.000245
Piso 2	B93	1033	V(30x50)	2.75	No Message	B.2.4-5b	0.000245	0.000245
Piso 2	B93	1033	V(30x50)	3.25	No Message	B.2.4-5b	0.000245	0.000245
Piso 2	B93	1033	V(30x50)	3.75	No Message	B.2.4-5b	0.000245	0.000245
Piso 2	B93	1033	V(30x50)	4.25	No Message	B.2.4-7b	0.000248	0.000248
Piso 2	B93	1033	V(30x50)	4.75	No Message	B.2.4-7b	0.000323	0.000323
Piso 2	B93	1033	V(30x50)	5.25	No Message	B.2.4-5b	0.000408	0.000408
Piso 2	B93	1033	V(30x50)	5.75	No Message	B.2.4-7b	0.000452	0.000452
Piso 2	B94	697	V(40x65)	0.3	No Message	B.2.4-5b	0.000804	0.001118
Piso 2	B94	697	V(40x65)	0.4775	No Message	B.2.4-5b	0.000804	0.001011
Piso 2	B94	697	V(40x65)	0.4775	No Message	B.2.4-5b	0.000804	0.001008
Piso 2	B94	697	V(40x65)	0.955	No Message	B.2.4-5b	0.000804	0.000804
Piso 2	B94	697	V(40x65)	0.955	No Message	B.2.4-5b	0.000804	0.000804
Piso 2	B94	697	V(40x65)	1.3375	No Message	B.2.4-5b	0.000759	0.000759
Piso 2	B94	697	V(40x65)	1.3375	No Message	B.2.4-5b	0.000762	0.000762
Piso 2	B94	697	V(40x65)	1.72	No Message	B.2.4-5b	0.000558	0.000558
Piso 2	B94	697	V(40x65)	1.72	No Message	B.2.4-5b	0.000592	0.000592
Piso 2	B94	697	V(40x65)	2.216	No Message	B.2.4-5b	0.000434	0.000434
Piso 2	B94	697	V(40x65)	2.712	No Message	B.2.4-5b	0.000434	0.000434
Piso 2	B94	697	V(40x65)	3.208	No Message	B.2.4-5b	0.000434	0.000434
Piso 2	B94	697	V(40x65)	3.704	No Message	B.2.4-5b	0.000434	0.000434
Piso 2	B94	697	V(40x65)	4.2	No Message	B.2.4-5b	0.000434	0.000434
Piso 2	B94	697	V(40x65)	4.2	No Message	B.2.4-5b	0.000434	0.000434
Piso 2	B94	697	V(40x65)	4.666	No Message	B.2.4-5b	0.000434	0.000434
Piso 2	B94	697	V(40x65)	5.132	No Message	B.2.4-5b	0.000434	0.000434
Piso 2	B94	697	V(40x65)	5.598	No Message	B.2.4-5b	0.000434	0.000434
Piso 2	B94	697	V(40x65)	6.064	No Message	B.2.4-5b	0.000434	0.000434
Piso 2	B94	697	V(40x65)	6.53	No Message	B.2.4-5b	0.000434	0.000434
Piso 2	B94	697	V(40x65)	6.53	No Message	B.2.4-5b	0.000402	0.000402
Piso 2	B94	697	V(40x65)	6.87	No Message	B.2.4-5b	0.000402	0.000402
Piso 2	B94	697	V(40x65)	6.87	No Message	B.2.4-5b	0.00039	0.00039
Piso 2	B94	697	V(40x65)	7.21	No Message	B.2.4-7b	0.000428	0.000428
Piso 2	B94	697	V(40x65)	7.21	No Message	B.2.4-7b	0.000416	0.000416
Piso 2	B94	697	V(40x65)	7.55	No Message	B.2.4-7b	0.000524	0.000524
Piso 2	B94	697	V(40x65)	7.55	No Message	B.2.4-7b	0.000512	0.000512
Piso 2	B94	697	V(40x65)	7.975	No Message	B.2.4-5b	0.000721	0.000721
Piso 2	B94	697	V(40x65)	7.975	No Message	B.2.4-5b	0.000711	0.000711
Piso 2	B94	697	V(40x65)	8.15	No Message	B.2.4-5b	0.000804	0.000804
Piso 2	B95	729	V(40x65)	0.3	No Message	B.2.4-5b	0.000804	0.001076
Piso 2	B95	729	V(40x65)	0.4775	No Message	B.2.4-5b	0.000804	0.000967
Piso 2	B95	729	V(40x65)	0.4775	No Message	B.2.4-5b	0.000804	0.000967
Piso 2	B95	729	V(40x65)	0.955	No Message	B.2.4-5b	0.000804	0.000804
Piso 2	B95	729	V(40x65)	0.955	No Message	B.2.4-5b	0.000804	0.000804
Piso 2	B95	729	V(40x65)	1.3375	No Message	B.2.4-5b	0.000694	0.000694

Table: Concrete Beam Design Summary - ACI 318-08, Part 1 of 4

Story	Label	UniqueName	DesignSect	Station	Status	AsTopComb o	AsMinTop	AsTop
Unitless	Unitless	Unitless	Unitless	m	Unitless	Unitless	m²	m²
Piso 2	B95	729	V(40x65)	1.3375	No Message	B.2.4-5b	0.000696	0.000696
Piso 2	B95	729	V(40x65)	1.72	No Message	B.2.4-5b	0.000487	0.000487
Piso 2	B95	729	V(40x65)	1.72	No Message	B.2.4-5b	0.000516	0.000516
Piso 2	B95	729	V(40x65)	2.216	No Message	B.2.4-5b	0.000372	0.000372
Piso 2	B95	729	V(40x65)	2.712	No Message	B.2.4-5b	0.000372	0.000372
Piso 2	B95	729	V(40x65)	3.208	No Message	B.2.4-5b	0.000372	0.000372
Piso 2	B95	729	V(40x65)	3.704	No Message	B.2.4-5b	0.000372	0.000372
Piso 2	B95	729	V(40x65)	4.2	No Message	B.2.4-5b	0.000372	0.000372
Piso 2	B95	729	V(40x65)	4.2	No Message	B.2.4-5b	0.000369	0.000369
Piso 2	B95	729	V(40x65)	4.666	No Message	B.2.4-5b	0.000369	0.000369
Piso 2	B95	729	V(40x65)	5.132	No Message	B.2.4-5b	0.000369	0.000369
Piso 2	B95	729	V(40x65)	5.598	No Message	B.2.4-5b	0.000369	0.000369
Piso 2	B95	729	V(40x65)	6.064	No Message	B.2.4-5b	0.000369	0.000369
Piso 2	B95	729	V(40x65)	6.53	No Message	B.2.4-5b	0.000369	0.000369
Piso 2	B95	729	V(40x65)	6.53	No Message	B.2.4-5b	0.000351	0.000351
Piso 2	B95	729	V(40x65)	6.87	No Message	B.2.4-5b	0.000351	0.000351
Piso 2	B95	729	V(40x65)	6.87	No Message	B.2.4-5b	0.000352	0.000352
Piso 2	B95	729	V(40x65)	7.21	No Message	B.2.4-7b	0.000431	0.000431
Piso 2	B95	729	V(40x65)	7.21	No Message	B.2.4-7b	0.000432	0.000432
Piso 2	B95	729	V(40x65)	7.55	No Message	B.2.4-7b	0.000545	0.000545
Piso 2	B95	729	V(40x65)	7.55	No Message	B.2.4-7b	0.000546	0.000546
Piso 2	B95	729	V(40x65)	7.975	No Message	B.2.4-5b	0.000768	0.000768
Piso 2	B95	729	V(40x65)	7.975	No Message	B.2.4-5b	0.00077	0.00077
Piso 2	B95	729	V(40x65)	8.15	No Message	B.2.4-7b	0.000804	0.000804
Piso 2	B96	749	V(40x65)	0.3	No Message	B.2.4-5b	0.000804	0.00099
Piso 2	B96	749	V(40x65)	0.3	No Message	B.2.4-5b	0.000804	0.00099
Piso 2	B96	749	V(40x65)	0.3	No Message	B.2.4-5b	0.000804	0.00099
Piso 2	B96	749	V(40x65)	0.4775	No Message	B.2.4-5b	0.000804	0.000959
Piso 2	B96	749	V(40x65)	0.4775	No Message	B.2.4-5b	0.000804	0.000918
Piso 2	B96	749	V(40x65)	0.6	No Message	B.2.4-5b	0.000804	0.000905
Piso 2	B96	749	V(40x65)	0.6	No Message	B.2.4-5b	0.000804	0.000913
Piso 2	B96	749	V(40x65)	0.955	No Message	B.2.4-7b	0.000804	0.000804
Piso 2	B96	749	V(40x65)	0.955	No Message	B.2.4-7b	0.000804	0.000804
Piso 2	B96	749	V(40x65)	1.3375	No Message	B.2.4-5b	0.000804	0.000804
Piso 2	B96	749	V(40x65)	1.3375	No Message	B.2.4-5b	0.000804	0.000804
Piso 2	B96	749	V(40x65)	1.72	No Message	B.2.4-5b	0.000657	0.000657
Piso 2	B96	749	V(40x65)	1.72	No Message	B.2.4-5b	0.000672	0.000672
Piso 2	B96	749	V(40x65)	2.216	No Message	B.2.4-5b	0.000497	0.000497
Piso 2	B96	749	V(40x65)	2.712	No Message	B.2.4-5b	0.000411	0.000411
Piso 2	B96	749	V(40x65)	3.208	No Message	B.2.4-5b	0.000411	0.000411
Piso 2	B96	749	V(40x65)	3.704	No Message	B.2.4-5b	0.000411	0.000411
Piso 2	B96	749	V(40x65)	4.2	No Message	B.2.4-5b	0.000411	0.000411
Piso 2	B96	749	V(40x65)	4.2	No Message	B.2.4-5b	0.000409	0.000409
Piso 2	B96	749	V(40x65)	4.666	No Message	B.2.4-5b	0.000409	0.000409
Piso 2	B96	749	V(40x65)	5.132	No Message	B.2.4-5b	0.000409	0.000409
Piso 2	B96	749	V(40x65)	5.598	No Message	B.2.4-5b	0.000409	0.000409
Piso 2	B96	749	V(40x65)	6.064	No Message	B.2.4-5b	0.000409	0.000409
Piso 2	B96	749	V(40x65)	6.53	No Message	B.2.4-7b	0.000433	0.000433

Table: Concrete Beam Design Summary - ACI 318-08, Part 1 of 4

Story	Label	UniqueName	DesignSect	Station	Status	AsTopComb o	AsMinTop	AsTop
Unitless	Unitless	Unitless	Unitless	m	Unitless	Unitless	m²	m²
Piso 2	B96	749	V(40x65)	6.53	No Message	B.2.4-7b	0.000431	0.000431
Piso 2	B96	749	V(40x65)	6.87	No Message	B.2.4-7b	0.000518	0.000518
Piso 2	B96	749	V(40x65)	6.87	No Message	B.2.4-7b	0.000521	0.000521
Piso 2	B96	749	V(40x65)	7.21	No Message	B.2.4-7b	0.000613	0.000613
Piso 2	B96	749	V(40x65)	7.21	No Message	B.2.4-7b	0.000618	0.000618
Piso 2	B96	749	V(40x65)	7.55	No Message	B.2.4-7b	0.000715	0.000715
Piso 2	B96	749	V(40x65)	7.55	No Message	B.2.4-7b	0.000724	0.000724
Piso 2	B96	749	V(40x65)	7.975	No Message	B.2.4-7b	0.000804	0.000804
Piso 2	B96	749	V(40x65)	7.975	No Message	B.2.4-7b	0.000804	0.000804
Piso 2	B96	749	V(40x65)	8.15	No Message	B.2.4-7b	0.000804	0.000804
Piso 2	B121	736	V(40x45)	0.2	No Message	B.2.4-5b	0.000401	0.000401
Piso 2	B121	736	V(40x45)	0.69091	No Message	B.2.4-5b	0.000303	0.000303
Piso 2	B121	736	V(40x45)	1.18182	No Message	B.2.4-7b	0.000219	0.000219
Piso 2	B121	736	V(40x45)	1.67273	No Message	B.2.4-7b	0.000154	0.000154
Piso 2	B121	736	V(40x45)	2.16364	No Message	B.2.4-5b	0.000119	0.000119
Piso 2	B121	736	V(40x45)	2.65455	No Message	B.2.4-5b	0.000119	0.000119
Piso 2	B121	736	V(40x45)	3.14545	No Message	B.2.4-5b	0.000119	0.000119
Piso 2	B121	736	V(40x45)	3.63636	No Message	B.2.4-5b	0.000119	0.000119
Piso 2	B121	736	V(40x45)	4.12727	No Message	B.2.4-5b	0.000119	0.000119
Piso 2	B121	736	V(40x45)	4.61818	No Message	B.2.4-5b	0.000119	0.000119
Piso 2	B121	736	V(40x45)	5.10909	No Message	B.2.4-5b	0.000133	0.000133
Piso 2	B121	736	V(40x45)	5.6	No Message	B.2.4-5b	0.000223	0.000223
Piso 2	B122	746	V(30x50)	0.2	No Message	B.2.4-5b	0.000421	0.000421
Piso 2	B122	746	V(30x50)	0.475	No Message	B.2.4-7b	0.000283	0.000283
Piso 2	B122	746	V(30x50)	0.475	No Message	B.2.4-7b	0.000262	0.000262
Piso 2	B122	746	V(30x50)	0.95	No Message	B.2.4-5b	0.000179	0.000179
Piso 2	B122	746	V(30x50)	0.95	No Message	B.2.4-5b	0.000175	0.000175
Piso 2	B122	746	V(30x50)	1.425	No Message	B.2.4-5b	0.000175	0.000175
Piso 2	B122	746	V(30x50)	1.425	No Message	B.2.4-5b	0.000172	0.000172
Piso 2	B122	746	V(30x50)	1.9	No Message	B.2.4-5b	0.000282	0.000282
Piso 2	B122	746	V(30x50)	1.9	No Message	B.2.4-5b	0.000296	0.000296
Piso 2	B122	746	V(30x50)	2.375	No Message	B.2.4-7b	0.000452	0.000452
Piso 2	B122	746	V(30x50)	2.375	No Message	B.2.4-7b	0.000452	0.000452
Piso 2	B122	746	V(30x50)	2.6	No Message	B.2.4-5b	0.000452	0.000477
Piso 2	B109	509	V(30x50)	0.3	No Message	B.2.4-7b	0.000452	0.000452
Piso 2	B109	509	V(30x50)	0.5	No Message	B.2.4-5b	0.000452	0.000452
Piso 2	B109	509	V(30x50)	0.5	No Message	B.2.4-5b	0.000452	0.000452
Piso 2	B109	509	V(30x50)	1	No Message	B.2.4-7b	0.000326	0.000326
Piso 2	B109	509	V(30x50)	1	No Message	B.2.4-7b	0.000329	0.000329
Piso 2	B109	509	V(30x50)	1.5	No Message	B.2.4-7b	0.000227	0.000227
Piso 2	B109	509	V(30x50)	1.5	No Message	B.2.4-7b	0.000232	0.000232
Piso 2	B109	509	V(30x50)	2	No Message	B.2.4-5b	0.000187	0.000187
Piso 2	B109	509	V(30x50)	2	No Message	B.2.4-5b	0.000194	0.000194
Piso 2	B109	509	V(30x50)	2.5	No Message	B.2.4-5b	0.000194	0.000194
Piso 2	B109	509	V(30x50)	2.5	No Message	B.2.4-5b	0.000201	0.000201
Piso 2	B109	509	V(30x50)	3	No Message	B.2.4-5b	0.000201	0.000201
Piso 2	B109	509	V(30x50)	3	No Message	B.2.4-5b	0.000207	0.000207
Piso 2	B109	509	V(30x50)	3.5	No Message	B.2.4-5b	0.000207	0.000207

Table: Concrete Beam Design Summary - ACI 318-08, Part 1 of 4

Story	Label	UniqueName	DesignSect	Station	Status	AsTopCombo	AsMinTop	AsTop
Unitless	Unitless	Unitless	Unitless	m	Unitless	Unitless	m²	m²
Piso 2	B109	509	V(30x50)	3.5	No Message	B.2.4-5b	0.000214	0.000214
Piso 2	B109	509	V(30x50)	4	No Message	B.2.4-5b	0.000214	0.000214
Piso 2	B109	509	V(30x50)	4	No Message	B.2.4-5b	0.00022	0.00022
Piso 2	B109	509	V(30x50)	4.5	No Message	B.2.4-7b	0.000272	0.000272
Piso 2	B109	509	V(30x50)	4.5	No Message	B.2.4-7b	0.000277	0.000277
Piso 2	B109	509	V(30x50)	5	No Message	B.2.4-5b	0.000396	0.000396
Piso 2	B109	509	V(30x50)	5	No Message	B.2.4-5b	0.000401	0.000401
Piso 2	B109	509	V(30x50)	5.5	No Message	B.2.4-7b	0.000452	0.000452
Piso 2	B109	509	V(30x50)	5.5	No Message	B.2.4-7b	0.000452	0.000452
Piso 2	B109	509	V(30x50)	5.7	No Message	B.2.4-5b	0.000452	0.000472
Piso 2	B112	730	V(30x50)	0.3	No Message	B.2.4-7b	0.000452	0.000452
Piso 2	B112	730	V(30x50)	0.5	No Message	B.2.4-5b	0.000452	0.000452
Piso 2	B112	730	V(30x50)	0.5	No Message	B.2.4-5b	0.000452	0.000452
Piso 2	B112	730	V(30x50)	1	No Message	B.2.4-5b	0.000357	0.000357
Piso 2	B112	730	V(30x50)	1	No Message	B.2.4-5b	0.000358	0.000358
Piso 2	B112	730	V(30x50)	1.5	No Message	B.2.4-7b	0.000231	0.000231
Piso 2	B112	730	V(30x50)	1.5	No Message	B.2.4-7b	0.000234	0.000234
Piso 2	B112	730	V(30x50)	2	No Message	B.2.4-5b	0.000183	0.000183
Piso 2	B112	730	V(30x50)	2	No Message	B.2.4-5b	0.000186	0.000186
Piso 2	B112	730	V(30x50)	2.5	No Message	B.2.4-5b	0.000186	0.000186
Piso 2	B112	730	V(30x50)	2.5	No Message	B.2.4-5b	0.000189	0.000189
Piso 2	B112	730	V(30x50)	3	No Message	B.2.4-5b	0.000189	0.000189
Piso 2	B112	730	V(30x50)	3	No Message	B.2.4-5b	0.000192	0.000192
Piso 2	B112	730	V(30x50)	3.5	No Message	B.2.4-5b	0.000192	0.000192
Piso 2	B112	730	V(30x50)	3.5	No Message	B.2.4-5b	0.000195	0.000195
Piso 2	B112	730	V(30x50)	4	No Message	B.2.4-5b	0.000195	0.000195
Piso 2	B112	730	V(30x50)	4	No Message	B.2.4-5b	0.000198	0.000198
Piso 2	B112	730	V(30x50)	4.5	No Message	B.2.4-7b	0.000249	0.000249
Piso 2	B112	730	V(30x50)	4.5	No Message	B.2.4-7b	0.000252	0.000252
Piso 2	B112	730	V(30x50)	5	No Message	B.2.4-5b	0.000369	0.000369
Piso 2	B112	730	V(30x50)	5	No Message	B.2.4-5b	0.00037	0.00037
Piso 2	B112	730	V(30x50)	5.5	No Message	B.2.4-7b	0.000452	0.000452
Piso 2	B112	730	V(30x50)	5.5	No Message	B.2.4-7b	0.000452	0.000452
Piso 2	B112	730	V(30x50)	5.7	No Message	B.2.4-7b	0.000452	0.000452
Piso 2	B115	731	V(30x50)	0.3	No Message	B.2.4-7b	0.000452	0.000452
Piso 2	B115	731	V(30x50)	0.5	No Message	B.2.4-5b	0.000452	0.000452
Piso 2	B115	731	V(30x50)	0.5	No Message	B.2.4-5b	0.000452	0.000452
Piso 2	B115	731	V(30x50)	1	No Message	B.2.4-5b	0.000326	0.000326
Piso 2	B115	731	V(30x50)	1	No Message	B.2.4-5b	0.000327	0.000327
Piso 2	B115	731	V(30x50)	1.5	No Message	B.2.4-7b	0.000213	0.000213
Piso 2	B115	731	V(30x50)	1.5	No Message	B.2.4-7b	0.000216	0.000216
Piso 2	B115	731	V(30x50)	2	No Message	B.2.4-5b	0.000164	0.000164
Piso 2	B115	731	V(30x50)	2	No Message	B.2.4-5b	0.000167	0.000167
Piso 2	B115	731	V(30x50)	2.5	No Message	B.2.4-5b	0.000167	0.000167
Piso 2	B115	731	V(30x50)	2.5	No Message	B.2.4-5b	0.000171	0.000171
Piso 2	B115	731	V(30x50)	3	No Message	B.2.4-5b	0.000171	0.000171
Piso 2	B115	731	V(30x50)	3	No Message	B.2.4-5b	0.000175	0.000175
Piso 2	B115	731	V(30x50)	3.5	No Message	B.2.4-5b	0.000175	0.000175

Table: Concrete Beam Design Summary - ACI 318-08, Part 1 of 4

Story	Label	UniqueName	DesignSect	Station	Status	AsTopCombo	AsMinTop	AsTop
Unitless	Unitless	Unitless	Unitless	m	Unitless	Unitless	m²	m²
Piso 2	B115	731	V(30x50)	3.5	No Message	B.2.4-5b	0.000178	0.000178
Piso 2	B115	731	V(30x50)	4	No Message	B.2.4-5b	0.000178	0.000178
Piso 2	B115	731	V(30x50)	4	No Message	B.2.4-5b	0.000182	0.000182
Piso 2	B115	731	V(30x50)	4.5	No Message	B.2.4-7b	0.000239	0.000239
Piso 2	B115	731	V(30x50)	4.5	No Message	B.2.4-7b	0.000241	0.000241
Piso 2	B115	731	V(30x50)	5	No Message	B.2.4-5b	0.000358	0.000358
Piso 2	B115	731	V(30x50)	5	No Message	B.2.4-5b	0.00036	0.00036
Piso 2	B115	731	V(30x50)	5.5	No Message	B.2.4-7b	0.000452	0.000452
Piso 2	B115	731	V(30x50)	5.5	No Message	B.2.4-7b	0.000452	0.000452
Piso 2	B115	731	V(30x50)	5.7	No Message	B.2.4-7b	0.000452	0.000452
Piso 2	B136	873	V(30x50)	0.3	No Message	B.2.4-5b	0.000452	0.000523
Piso 2	B136	873	V(30x50)	0.79091	No Message	B.2.4-7b	0.000452	0.000452
Piso 2	B136	873	V(30x50)	1.28182	No Message	B.2.4-7b	0.000332	0.000332
Piso 2	B136	873	V(30x50)	1.77273	No Message	B.2.4-7b	0.000202	0.000202
Piso 2	B136	873	V(30x50)	2.26364	No Message	B.2.4-5b	0.000191	0.000191
Piso 2	B136	873	V(30x50)	2.75455	No Message	B.2.4-5b	0.000191	0.000191
Piso 2	B136	873	V(30x50)	3.24545	No Message	B.2.4-5b	0.000191	0.000191
Piso 2	B136	873	V(30x50)	3.73636	No Message	B.2.4-5b	0.000191	0.000191
Piso 2	B136	873	V(30x50)	4.22727	No Message	B.2.4-7b	0.000203	0.000203
Piso 2	B136	873	V(30x50)	4.71818	No Message	B.2.4-5b	0.000342	0.000342
Piso 2	B136	873	V(30x50)	5.20909	No Message	B.2.4-7b	0.000452	0.000452
Piso 2	B136	873	V(30x50)	5.7	No Message	B.2.4-5b	0.000452	0.00054
Piso 2	B139	913	V(30x50)	0.3	No Message	B.2.4-7b	0.000452	0.000452
Piso 2	B139	913	V(30x50)	0.79091	No Message	B.2.4-5b	0.000421	0.000421
Piso 2	B139	913	V(30x50)	1.28182	No Message	B.2.4-7b	0.000276	0.000276
Piso 2	B139	913	V(30x50)	1.77273	No Message	B.2.4-5b	0.000202	0.000202
Piso 2	B139	913	V(30x50)	2.26364	No Message	B.2.4-5b	0.000202	0.000202
Piso 2	B139	913	V(30x50)	2.75455	No Message	B.2.4-5b	0.000202	0.000202
Piso 2	B139	913	V(30x50)	3.24545	No Message	B.2.4-5b	0.000202	0.000202
Piso 2	B139	913	V(30x50)	3.73636	No Message	B.2.4-5b	0.000202	0.000202
Piso 2	B139	913	V(30x50)	4.22727	No Message	B.2.4-5b	0.000202	0.000202
Piso 2	B139	913	V(30x50)	4.71818	No Message	B.2.4-5b	0.00031	0.00031
Piso 2	B139	913	V(30x50)	5.20909	No Message	B.2.4-5b	0.000452	0.000452
Piso 2	B139	913	V(30x50)	5.7	No Message	B.2.4-5b	0.000452	0.000499
Piso 2	B141	1028	V(30x50)	0.25	No Message	B.2.4-5b	0.000452	0.000452
Piso 2	B141	1028	V(30x50)	0.75	No Message	B.2.4-5b	0.000366	0.000366
Piso 2	B141	1028	V(30x50)	1.25	No Message	B.2.4-5b	0.000234	0.000234
Piso 2	B141	1028	V(30x50)	1.75	No Message	B.2.4-5b	0.000142	0.000142
Piso 2	B141	1028	V(30x50)	2.25	No Message	B.2.4-5b	0.000142	0.000142
Piso 2	B141	1028	V(30x50)	2.75	No Message	B.2.4-5b	0.000142	0.000142
Piso 2	B141	1028	V(30x50)	3.25	No Message	B.2.4-5b	0.000142	0.000142
Piso 2	B141	1028	V(30x50)	3.75	No Message	B.2.4-5b	0.000142	0.000142
Piso 2	B141	1028	V(30x50)	4.25	No Message	B.2.4-7b	0.000171	0.000171
Piso 2	B141	1028	V(30x50)	4.75	No Message	B.2.4-7b	0.00026	0.00026
Piso 2	B141	1028	V(30x50)	5.25	No Message	B.2.4-5b	0.000385	0.000385
Piso 2	B141	1028	V(30x50)	5.75	No Message	B.2.4-7b	0.000452	0.000452
Piso 2	B127	529	V(50x65)	0.25	No Message	B.2.4-5b	0.000626	0.000626
Piso 2	B127	529	V(50x65)	0.71875	No Message	B.2.4-7b	0.000497	0.000497

Table: Concrete Beam Design Summary - ACI 318-08, Part 1 of 4

Story	Label	UniqueName	DesignSect	Station	Status	AsTopCombo	AsMinTop	AsTop
Unitless	Unitless	Unitless	Unitless	m	Unitless	Unitless	m²	m²
Piso 2	B127	529	V(50x65)	1.1875	No Message	B.2.4-7b	0.000384	0.000384
Piso 2	B127	529	V(50x65)	1.65625	No Message	B.2.4-5b	0.000318	0.000318
Piso 2	B127	529	V(50x65)	2.125	No Message	B.2.4-5b	0.000318	0.000318
Piso 2	B127	529	V(50x65)	2.59375	No Message	B.2.4-5b	0.000318	0.000318
Piso 2	B127	529	V(50x65)	3.0625	No Message	B.2.4-5b	0.000318	0.000318
Piso 2	B127	529	V(50x65)	3.53125	No Message	B.2.4-5b	0.000318	0.000318
Piso 2	B127	529	V(50x65)	4	No Message	B.2.4-5b	0.000418	0.000418
Piso 2	B127	529	V(50x65)	4	No Message	B.2.4-5b	0.0004	0.0004
Piso 2	B127	529	V(50x65)	4.4	No Message	B.2.4-5b	0.000557	0.000557
Piso 2	B127	529	V(50x65)	4.4	No Message	B.2.4-5b	0.000555	0.000555
Piso 2	B127	529	V(50x65)	4.8	No Message	B.2.4-5b	0.000724	0.000724
Piso 2	B127	529	V(50x65)	4.8	No Message	B.2.4-5b	0.000722	0.000722
Piso 2	B127	529	V(50x65)	5.2	No Message	B.2.4-5b	0.000925	0.000925
Piso 2	B127	529	V(50x65)	5.2	No Message	B.2.4-5b	0.000925	0.000925
Piso 2	B127	529	V(50x65)	5.35	No Message	B.2.4-5b	0.001004	0.001004
Piso 2	B129	537	V(30x50)	0.25	No Message	B.2.4-7b	0.000452	0.000452
Piso 2	B129	537	V(30x50)	0.69	No Message	B.2.4-5b	0.000403	0.000403
Piso 2	B129	537	V(30x50)	1.13	No Message	B.2.4-5b	0.000263	0.000263
Piso 2	B129	537	V(30x50)	1.57	No Message	B.2.4-7b	0.000188	0.000188
Piso 2	B129	537	V(30x50)	2.01	No Message	B.2.4-7b	0.000188	0.000188
Piso 2	B129	537	V(30x50)	2.45	No Message	B.2.4-7b	0.000192	0.000192
Piso 2	B129	537	V(30x50)	2.89	No Message	B.2.4-7b	0.00031	0.00031
Piso 2	B129	537	V(30x50)	3.33	No Message	B.2.4-7b	0.000434	0.000434
Piso 2	B129	537	V(30x50)	3.77	No Message	B.2.4-7b	0.000452	0.000452
Piso 2	B130	541	V(30x50)	0.3	No Message	B.2.4-5b	0.000452	0.000513
Piso 2	B130	541	V(30x50)	0.44667	No Message	B.2.4-5b	0.000452	0.00046
Piso 2	B130	541	V(30x50)	0.44667	No Message	B.2.4-5b	0.000452	0.00046
Piso 2	B130	541	V(30x50)	0.89333	No Message	B.2.4-5b	0.000407	0.000407
Piso 2	B130	541	V(30x50)	0.89333	No Message	B.2.4-5b	0.000408	0.000408
Piso 2	B130	541	V(30x50)	1.34	No Message	B.2.4-7b	0.000225	0.000225
Piso 2	B130	541	V(30x50)	1.34	No Message	B.2.4-7b	0.000226	0.000226
Piso 2	B130	541	V(30x50)	1.78667	No Message	B.2.4-5b	0.000175	0.000175
Piso 2	B130	541	V(30x50)	1.78667	No Message	B.2.4-5b	0.000176	0.000176
Piso 2	B130	541	V(30x50)	2.23333	No Message	B.2.4-5b	0.000176	0.000176
Piso 2	B130	541	V(30x50)	2.23333	No Message	B.2.4-5b	0.000178	0.000178
Piso 2	B130	541	V(30x50)	2.68	No Message	B.2.4-7b	0.000185	0.000185
Piso 2	B130	541	V(30x50)	2.68	No Message	B.2.4-7b	0.000186	0.000186
Piso 2	B130	541	V(30x50)	3.12667	No Message	B.2.4-7b	0.000343	0.000343
Piso 2	B130	541	V(30x50)	3.12667	No Message	B.2.4-7b	0.000344	0.000344
Piso 2	B130	541	V(30x50)	3.57333	No Message	B.2.4-7b	0.000452	0.000452
Piso 2	B130	541	V(30x50)	3.57333	No Message	B.2.4-7b	0.000452	0.000452
Piso 2	B130	541	V(30x50)	3.77	No Message	B.2.4-7b	0.000452	0.000452
Piso 2	B131	545	V(30x50)	0.3	No Message	B.2.4-7b	0.000452	0.000452
Piso 2	B131	545	V(30x50)	0.44667	No Message	B.2.4-7b	0.000452	0.000452
Piso 2	B131	545	V(30x50)	0.44667	No Message	B.2.4-7b	0.000452	0.000452
Piso 2	B131	545	V(30x50)	0.89333	No Message	B.2.4-5b	0.000333	0.000333
Piso 2	B131	545	V(30x50)	0.89333	No Message	B.2.4-5b	0.000321	0.000321
Piso 2	B131	545	V(30x50)	1.34	No Message	B.2.4-7b	0.000171	0.000171

Table: Concrete Beam Design Summary - ACI 318-08, Part 1 of 4

Story	Label	UniqueName	DesignSect	Station	Status	AsTopComb o	AsMinTop	AsTop
Unitless	Unitless	Unitless	Unitless	m	Unitless	Unitless	m²	m²
Piso 2	B131	545	V(30x50)	1.34	No Message	B.2.4-7b	0.000161	0.000161
Piso 2	B131	545	V(30x50)	1.78667	No Message	B.2.4-5b	0.000148	0.000148
Piso 2	B131	545	V(30x50)	1.78667	No Message	B.2.4-5b	0.000148	0.000148
Piso 2	B131	545	V(30x50)	2.23333	No Message	B.2.4-5b	0.000148	0.000148
Piso 2	B131	545	V(30x50)	2.23333	No Message	B.2.4-5b	0.000148	0.000148
Piso 2	B131	545	V(30x50)	2.68	No Message	B.2.4-5b	0.000148	0.000148
Piso 2	B131	545	V(30x50)	2.68	No Message	B.2.4-5b	0.000148	0.000148
Piso 2	B131	545	V(30x50)	3.12667	No Message	B.2.4-7b	0.000243	0.000243
Piso 2	B131	545	V(30x50)	3.12667	No Message	B.2.4-7b	0.000251	0.000251
Piso 2	B131	545	V(30x50)	3.57333	No Message	B.2.4-7b	0.00039	0.00039
Piso 2	B131	545	V(30x50)	3.57333	No Message	B.2.4-7b	0.000399	0.000399
Piso 2	B131	545	V(30x50)	3.77	No Message	B.2.4-7b	0.000452	0.000452
Piso 2	B478	533	V(50x65)	0.25	No Message	B.2.4-7b	0.001004	0.001004
Piso 2	B478	533	V(50x65)	0.6	No Message	B.2.4-5b	0.001004	0.001004
Piso 2	B478	533	V(50x65)	0.6	No Message	B.2.4-5b	0.001004	0.001004
Piso 2	B478	533	V(50x65)	1	No Message	B.2.4-5b	0.000758	0.000758
Piso 2	B478	533	V(50x65)	1.4	No Message	B.2.4-5b	0.000488	0.000488
Piso 2	B478	533	V(50x65)	1.4	No Message	B.2.4-5b	0.00048	0.00048
Piso 2	B478	533	V(50x65)	1.8	No Message	B.2.4-5b	0.000381	0.000381
Piso 2	B478	533	V(50x65)	2.2	No Message	B.2.4-5b	0.000381	0.000381
Piso 2	B478	533	V(50x65)	2.2	No Message	B.2.4-5b	0.000374	0.000374
Piso 2	B478	533	V(50x65)	2.6	No Message	B.2.4-5b	0.000374	0.000374
Piso 2	B478	533	V(50x65)	3	No Message	B.2.4-5b	0.000374	0.000374
Piso 2	B478	533	V(50x65)	3	No Message	B.2.4-5b	0.000367	0.000367
Piso 2	B478	533	V(50x65)	3.4	No Message	B.2.4-5b	0.000367	0.000367
Piso 2	B478	533	V(50x65)	3.8	No Message	B.2.4-5b	0.000367	0.000367
Piso 2	B478	533	V(50x65)	3.8	No Message	B.2.4-5b	0.00036	0.00036
Piso 2	B478	533	V(50x65)	4.2	No Message	B.2.4-5b	0.00036	0.00036
Piso 2	B478	533	V(50x65)	4.6	No Message	B.2.4-5b	0.00036	0.00036
Piso 2	B478	533	V(50x65)	4.6	No Message	B.2.4-5b	0.000352	0.000352
Piso 2	B478	533	V(50x65)	5	No Message	B.2.4-5b	0.000352	0.000352
Piso 2	B478	533	V(50x65)	5.4	No Message	B.2.4-5b	0.000352	0.000352
Piso 2	B478	533	V(50x65)	5.4	No Message	B.2.4-5b	0.000344	0.000344
Piso 2	B478	533	V(50x65)	5.8	No Message	B.2.4-5b	0.000344	0.000344
Piso 2	B478	533	V(50x65)	6.2	No Message	B.2.4-5b	0.000344	0.000344
Piso 2	B478	533	V(50x65)	6.2	No Message	B.2.4-5b	0.000338	0.000338
Piso 2	B478	533	V(50x65)	6.6	No Message	B.2.4-5b	0.000338	0.000338
Piso 2	B478	533	V(50x65)	7	No Message	B.2.4-7b	0.000431	0.000431
Piso 2	B478	533	V(50x65)	7	No Message	B.2.4-7b	0.000431	0.000431
Piso 2	B478	533	V(50x65)	7.4	No Message	B.2.4-5b	0.000687	0.000687
Piso 2	B478	533	V(50x65)	7.8	No Message	B.2.4-5b	0.000967	0.000967
Piso 2	B478	533	V(50x65)	7.8	No Message	B.2.4-5b	0.000974	0.000974
Piso 2	B478	533	V(50x65)	8.15	No Message	B.2.4-7b	0.001004	0.001004
Piso 2	B14	789	V(40x65)	0.3	No Message	B.2.4-7b	0.000804	0.000804
Piso 2	B14	789	V(40x65)	0.4	No Message	B.2.4-7b	0.000804	0.000804
Piso 2	B14	789	V(40x65)	0.4	No Message	B.2.4-7b	0.000804	0.000804
Piso 2	B14	789	V(40x65)	0.43333	No Message	B.2.4-7b	0.000804	0.000804
Piso 2	B14	789	V(40x65)	0.43333	No Message	B.2.4-7b	0.000804	0.000804

Table: Concrete Beam Design Summary - ACI 318-08, Part 1 of 4

Story	Label	UniqueName	DesignSect	Station	Status	AsTopCombo	AsMinTop	AsTop
Unitless	Unitless	Unitless	Unitless	m	Unitless	Unitless	m²	m²
Piso 2	B14	789	V(40x65)	0.8	No Message	B.2.4-5b	0.000774	0.000774
Piso 2	B14	789	V(40x65)	0.8	No Message	B.2.4-5b	0.000781	0.000781
Piso 2	B14	789	V(40x65)	0.86667	No Message	B.2.4-5b	0.000747	0.000747
Piso 2	B14	789	V(40x65)	0.86667	No Message	B.2.4-5b	0.000749	0.000749
Piso 2	B14	789	V(40x65)	1.3	No Message	B.2.4-5b	0.00054	0.00054
Piso 2	B14	789	V(40x65)	1.3	No Message	B.2.4-5b	0.000547	0.000547
Piso 2	B14	789	V(40x65)	1.75	No Message	B.2.4-5b	0.000387	0.000387
Piso 2	B14	789	V(40x65)	2.2	No Message	B.2.4-5b	0.000288	0.000288
Piso 2	B14	789	V(40x65)	2.65	No Message	B.2.4-5b	0.000288	0.000288
Piso 2	B14	789	V(40x65)	3.1	No Message	B.2.4-5b	0.000288	0.000288
Piso 2	B14	789	V(40x65)	3.55	No Message	B.2.4-5b	0.000288	0.000288
Piso 2	B14	789	V(40x65)	4	No Message	B.2.4-5b	0.000399	0.000399
Piso 2	B101	801	V(40x65)	0.3	No Message	B.2.4-5b	0.000804	0.000957
Piso 2	B101	801	V(40x65)	0.43333	No Message	B.2.4-5b	0.000804	0.000884
Piso 2	B101	801	V(40x65)	0.43333	No Message	B.2.4-5b	0.000804	0.000883
Piso 2	B101	801	V(40x65)	0.86667	No Message	B.2.4-5b	0.000804	0.000804
Piso 2	B101	801	V(40x65)	0.86667	No Message	B.2.4-5b	0.000804	0.000804
Piso 2	B101	801	V(40x65)	1.3	No Message	B.2.4-5b	0.000589	0.000589
Piso 2	B101	801	V(40x65)	1.3	No Message	B.2.4-5b	0.000598	0.000598
Piso 2	B101	801	V(40x65)	1.75	No Message	B.2.4-5b	0.00043	0.00043
Piso 2	B101	801	V(40x65)	2.2	No Message	B.2.4-5b	0.000352	0.000352
Piso 2	B101	801	V(40x65)	2.65	No Message	B.2.4-5b	0.000352	0.000352
Piso 2	B101	801	V(40x65)	3.1	No Message	B.2.4-5b	0.000352	0.000352
Piso 2	B101	801	V(40x65)	3.55	No Message	B.2.4-5b	0.000352	0.000352
Piso 2	B101	801	V(40x65)	4	No Message	B.2.4-5b	0.000366	0.000366
Piso 2	B140	813	V(40x65)	0.3	No Message	B.2.4-7b	0.000804	0.000804
Piso 2	B140	813	V(40x65)	0.43333	No Message	B.2.4-7b	0.000804	0.000804
Piso 2	B140	813	V(40x65)	0.43333	No Message	B.2.4-7b	0.000804	0.000804
Piso 2	B140	813	V(40x65)	0.86667	No Message	B.2.4-5b	0.000743	0.000743
Piso 2	B140	813	V(40x65)	0.86667	No Message	B.2.4-5b	0.000745	0.000745
Piso 2	B140	813	V(40x65)	1.3	No Message	B.2.4-5b	0.000538	0.000538
Piso 2	B140	813	V(40x65)	1.3	No Message	B.2.4-5b	0.000537	0.000537
Piso 2	B140	813	V(40x65)	1.75	No Message	B.2.4-5b	0.000383	0.000383
Piso 2	B140	813	V(40x65)	2.2	No Message	B.2.4-5b	0.000291	0.000291
Piso 2	B140	813	V(40x65)	2.65	No Message	B.2.4-5b	0.000291	0.000291
Piso 2	B140	813	V(40x65)	3.1	No Message	B.2.4-5b	0.000291	0.000291
Piso 2	B140	813	V(40x65)	3.55	No Message	B.2.4-5b	0.000291	0.000291
Piso 2	B140	813	V(40x65)	4	No Message	B.2.4-5b	0.000343	0.000343
Piso 2	B158	965	V(40x45)	0.2	No Message	B.2.4-5b	0.000266	0.000266
Piso 2	B158	965	V(40x45)	0.66667	No Message	B.2.4-7b	0.000189	0.000189
Piso 2	B158	965	V(40x45)	1.13333	No Message	B.2.4-7b	0.000129	0.000129
Piso 2	B158	965	V(40x45)	1.6	No Message	B.2.4-5b	8.2E-05	8.2E-05
Piso 2	B158	965	V(40x45)	2.06667	No Message	B.2.4-5b	8.2E-05	8.2E-05
Piso 2	B158	965	V(40x45)	2.53333	No Message	B.2.4-5b	8.2E-05	8.2E-05
Piso 2	B158	965	V(40x45)	3	No Message	B.2.4-5b	8.2E-05	8.2E-05
Piso 2	B158	965	V(40x45)	3.46667	No Message	B.2.4-5b	8.2E-05	8.2E-05
Piso 2	B158	965	V(40x45)	3.93333	No Message	B.2.4-5b	8.2E-05	8.2E-05
Piso 2	B158	965	V(40x45)	4.4	No Message	B.2.4-5b	8.2E-05	8.2E-05

Table: Concrete Beam Design Summary - ACI 318-08, Part 1 of 4

Story	Label	UniqueName	DesignSect	Station	Status	AsTopComb o	AsMinTop	AsTop
Unitless	Unitless	Unitless	Unitless	m	Unitless	Unitless	m²	m²
Piso 2	B158	965	V(40x45)	4.86667	No Message	B.2.4-5b	0.000133	0.000133
Piso 2	B158	965	V(40x45)	5.33333	No Message	B.2.4-5b	0.000219	0.000219
Piso 2	B158	965	V(40x45)	5.8	No Message	B.2.4-5b	0.000315	0.000315
Piso 2	B159	969	V(40x45)	0.2	No Message	B.2.4-5b	0.000312	0.000312
Piso 2	B159	969	V(40x45)	0.66667	No Message	B.2.4-5b	0.000216	0.000216
Piso 2	B159	969	V(40x45)	1.13333	No Message	B.2.4-5b	0.00013	0.00013
Piso 2	B159	969	V(40x45)	1.6	No Message	B.2.4-5b	8.2E-05	8.2E-05
Piso 2	B159	969	V(40x45)	2.06667	No Message	B.2.4-5b	8.2E-05	8.2E-05
Piso 2	B159	969	V(40x45)	2.53333	No Message	B.2.4-5b	8.2E-05	8.2E-05
Piso 2	B159	969	V(40x45)	3	No Message	B.2.4-5b	8.2E-05	8.2E-05
Piso 2	B159	969	V(40x45)	3.46667	No Message	B.2.4-5b	8.2E-05	8.2E-05
Piso 2	B159	969	V(40x45)	3.93333	No Message	B.2.4-5b	8.2E-05	8.2E-05
Piso 2	B159	969	V(40x45)	4.4	No Message	B.2.4-5b	8.2E-05	8.2E-05
Piso 2	B159	969	V(40x45)	4.86667	No Message	B.2.4-7b	0.000131	0.000131
Piso 2	B159	969	V(40x45)	5.33333	No Message	B.2.4-7b	0.000192	0.000192
Piso 2	B159	969	V(40x45)	5.8	No Message	B.2.4-5b	0.000269	0.000269
Piso 2	B4	1005	V(40x65)	0.2	No Message	B.2.4-5b	0.000455	0.000455
Piso 2	B4	1005	V(40x65)	0.64625	No Message	B.2.4-5b	0.000323	0.000323
Piso 2	B4	1005	V(40x65)	1.0925	No Message	B.2.4-5b	0.000202	0.000202
Piso 2	B4	1005	V(40x65)	1.53875	No Message	B.2.4-5b	0.000136	0.000136
Piso 2	B4	1005	V(40x65)	1.985	No Message	B.2.4-5b	0.000136	0.000136
Piso 2	B4	1005	V(40x65)	2.43125	No Message	B.2.4-5b	0.000182	0.000182
Piso 2	B4	1005	V(40x65)	2.8775	No Message	B.2.4-5b	0.000268	0.000268
Piso 2	B4	1005	V(40x65)	3.32375	No Message	B.2.4-5b	0.000363	0.000363
Piso 2	B4	1005	V(40x65)	3.77	No Message	B.2.4-5b	0.000468	0.000468
Piso 2	B18	849	V(40x65)	0.3	No Message	B.2.4-5b	0.000804	0.001138
Piso 2	B18	849	V(40x65)	0.6275	No Message	B.2.4-5b	0.000804	0.000923
Piso 2	B18	849	V(40x65)	0.955	No Message	B.2.4-7b	0.000804	0.000804
Piso 2	B18	849	V(40x65)	0.955	No Message	B.2.4-7b	0.000804	0.000804
Piso 2	B18	849	V(40x65)	1.32	No Message	B.2.4-5b	0.000714	0.000714
Piso 2	B18	849	V(40x65)	1.685	No Message	B.2.4-5b	0.000633	0.000633
Piso 2	B18	849	V(40x65)	2.05	No Message	B.2.4-5b	0.000633	0.000633
Piso 2	B18	849	V(40x65)	2.05	No Message	B.2.4-5b	0.000601	0.000601
Piso 2	B18	849	V(40x65)	2.45	No Message	B.2.4-5b	0.000601	0.000601
Piso 2	B18	849	V(40x65)	2.85	No Message	B.2.4-5b	0.000609	0.000609
Piso 2	B18	849	V(40x65)	2.85	No Message	B.2.4-5b	0.000559	0.000559
Piso 2	B18	849	V(40x65)	3.125	No Message	B.2.4-5b	0.000725	0.000725
Piso 2	B18	849	V(40x65)	3.4	No Message	B.2.4-7b	0.000804	0.000804
Piso 2	B77	853	V(40x65)	0.25	No Message	B.2.4-5b	0.000778	0.000778
Piso 2	B77	853	V(40x65)	0.72222	No Message	B.2.4-5b	0.000656	0.000656
Piso 2	B77	853	V(40x65)	1.19444	No Message	B.2.4-5b	0.000538	0.000538
Piso 2	B77	853	V(40x65)	1.66667	No Message	B.2.4-5b	0.00046	0.00046
Piso 2	B77	853	V(40x65)	2.13889	No Message	B.2.4-5b	0.00046	0.00046
Piso 2	B77	853	V(40x65)	2.61111	No Message	B.2.4-5b	0.00046	0.00046
Piso 2	B77	853	V(40x65)	3.08333	No Message	B.2.4-5b	0.00048	0.00048
Piso 2	B77	853	V(40x65)	3.55556	No Message	B.2.4-5b	0.000617	0.000617
Piso 2	B77	853	V(40x65)	4.02778	No Message	B.2.4-5b	0.000754	0.000754
Piso 2	B77	853	V(40x65)	4.5	No Message	B.2.4-5b	0.000804	0.000804

Table: Concrete Beam Design Summary - ACI 318-08, Part 1 of 4

Story	Label	UniqueName	DesignSect	Station	Status	AsTopComb o	AsMinTop	AsTop
Unitless	Unitless	Unitless	Unitless	m	Unitless	Unitless	m²	m²
Piso 2	B80	1057	V(40x50)	0.25	No Message	B.2.4-5b	0.000603	0.000712
Piso 2	B80	1057	V(40x50)	0.68571	No Message	B.2.4-7b	0.000603	0.000603
Piso 2	B80	1057	V(40x50)	1.12143	No Message	B.2.4-5b	0.000538	0.000538
Piso 2	B80	1057	V(40x50)	1.55714	No Message	B.2.4-5b	0.000373	0.000373
Piso 2	B80	1057	V(40x50)	1.99286	No Message	B.2.4-5b	0.000373	0.000373
Piso 2	B80	1057	V(40x50)	2.42857	No Message	B.2.4-5b	0.000373	0.000373
Piso 2	B80	1057	V(40x50)	2.86429	No Message	B.2.4-5b	0.000373	0.000373
Piso 2	B80	1057	V(40x50)	3.3	No Message	B.2.4-5b	0.000373	0.000373
Piso 2	B80	1057	V(40x50)	3.3	No Message	B.2.4-5b	0.000231	0.000231
Piso 2	B80	1057	V(40x50)	3.79	No Message	B.2.4-5b	0.000231	0.000231
Piso 2	B80	1057	V(40x50)	4.28	No Message	B.2.4-5b	0.000231	0.000231
Piso 2	B80	1057	V(40x50)	4.77	No Message	B.2.4-5b	0.000288	0.000288
Piso 2	B80	1057	V(40x50)	5.26	No Message	B.2.4-5b	0.000497	0.000497
Piso 2	B80	1057	V(40x50)	5.75	No Message	B.2.4-7b	0.000603	0.000603
Piso 2	B143	1009	V(30x50)	0.2	No Message	B.2.4-7b	0.000242	0.000242
Piso 2	B143	1009	V(30x50)	0.68333	No Message	B.2.4-7b	0.000154	0.000154
Piso 2	B143	1009	V(30x50)	1.16667	No Message	B.2.4-5b	7.8E-05	7.8E-05
Piso 2	B143	1009	V(30x50)	1.65	No Message	B.2.4-5b	7.8E-05	7.8E-05
Piso 2	B143	1009	V(30x50)	2.13333	No Message	B.2.4-5b	7.9E-05	7.9E-05
Piso 2	B143	1009	V(30x50)	2.61667	No Message	B.2.4-5b	0.000175	0.000175
Piso 2	B143	1009	V(30x50)	3.1	No Message	B.2.4-5b	0.00028	0.00028
Piso 2	B153	1013	V(40x50)	0	No Message	B.2.4-5b	0.000462	0.000462
Piso 2	B153	1013	V(40x50)	0.4	No Message	B.2.4-5b	0.000367	0.000367
Piso 2	B153	1013	V(40x50)	0.8	No Message	B.2.4-5b	0.000367	0.000367
Piso 2	B153	1013	V(40x50)	0.8	No Message	B.2.4-5b	0.000335	0.000335
Piso 2	B153	1013	V(40x50)	1.2	No Message	B.2.4-5b	0.000335	0.000335
Piso 2	B153	1013	V(40x50)	1.6	No Message	B.2.4-5b	0.000335	0.000335
Piso 2	B153	1013	V(40x50)	1.6	No Message	B.2.4-5b	0.000291	0.000291
Piso 2	B153	1013	V(40x50)	2	No Message	B.2.4-5b	0.000291	0.000291
Piso 2	B153	1013	V(40x50)	2.4	No Message	B.2.4-5b	0.000291	0.000291
Piso 2	B153	1013	V(40x50)	2.4	No Message	B.2.4-5b	0.000252	0.000252
Piso 2	B153	1013	V(40x50)	2.77	No Message	B.2.4-5b	0.000252	0.000252
Piso 2	B153	1013	V(40x50)	2.77	No Message	B.2.4-5b	0.000256	0.000256
Piso 2	B153	1013	V(40x50)	3.2	No Message	B.2.4-5b	0.00033	0.00033
Piso 2	B153	1013	V(40x50)	3.2	No Message	B.2.4-5b	0.000315	0.000315
Piso 2	B153	1013	V(40x50)	3.5	No Message	B.2.4-5b	0.000514	0.000514
Piso 2	B153	1013	V(40x50)	3.8	No Message	B.2.4-5b	0.000603	0.000603
Piso 2	B175	1017	V(40x50)	0.2	No Message	B.2.4-5b	0.000603	0.000603
Piso 2	B175	1017	V(40x50)	0.64625	No Message	B.2.4-5b	0.000513	0.000513
Piso 2	B175	1017	V(40x50)	1.0925	No Message	B.2.4-5b	0.000357	0.000357
Piso 2	B175	1017	V(40x50)	1.53875	No Message	B.2.4-5b	0.000231	0.000231
Piso 2	B175	1017	V(40x50)	1.985	No Message	B.2.4-5b	0.000231	0.000231
Piso 2	B175	1017	V(40x50)	2.43125	No Message	B.2.4-5b	0.000231	0.000231
Piso 2	B175	1017	V(40x50)	2.8775	No Message	B.2.4-5b	0.000313	0.000313
Piso 2	B175	1017	V(40x50)	3.32375	No Message	B.2.4-5b	0.000417	0.000417
Piso 2	B175	1017	V(40x50)	3.77	No Message	B.2.4-5b	0.00053	0.00053
Piso 2	B194	1021	V(30x50)	0.2	No Message	B.2.4-7b	0.00022	0.00022
Piso 2	B194	1021	V(30x50)	0.65	No Message	B.2.4-7b	0.000133	0.000133

Table: Concrete Beam Design Summary - ACI 318-08, Part 1 of 4

Story	Label	UniqueName	DesignSect	Station	Status	AsTopCombo	AsMinTop	AsTop
Unitless	Unitless	Unitless	Unitless	m	Unitless	Unitless	m²	m²
Piso 2	B194	1021	V(30x50)	1.1	No Message	B.2.4-5b	0.000101	0.000101
Piso 2	B194	1021	V(30x50)	1.55	No Message	B.2.4-5b	0.000101	0.000101
Piso 2	B194	1021	V(30x50)	2	No Message	B.2.4-5b	0.000204	0.000204
Piso 2	B194	1021	V(30x50)	2.45	No Message	B.2.4-5b	0.000354	0.000354
Piso 2	B204	1053	V(40x50)	0	No Message	B.2.4-5b	0.000138	0.000138
Piso 2	B204	1053	V(40x50)	0.35	No Message	B.2.4-5b	6.7E-05	6.7E-05
Piso 2	B204	1053	V(40x50)	0.7	No Message	B.2.4-5b	6.2E-05	6.2E-05
Piso 2	B204	1053	V(40x50)	0.7	No Message	B.2.4-5b	0.000118	0.000118
Piso 2	B204	1053	V(40x50)	1.1	No Message	B.2.4-5b	0.000118	0.000118
Piso 2	B204	1053	V(40x50)	1.5	No Message	B.2.4-5b	0.000118	0.000118
Piso 2	B204	1053	V(40x50)	1.5	No Message	B.2.4-5b	0.000203	0.000203
Piso 2	B204	1053	V(40x50)	1.9	No Message	B.2.4-5b	0.000203	0.000203
Piso 2	B204	1053	V(40x50)	2.3	No Message	B.2.4-5b	0.000203	0.000203
Piso 2	B204	1053	V(40x50)	2.3	No Message	B.2.4-5b	0.000277	0.000277
Piso 2	B204	1053	V(40x50)	2.7	No Message	B.2.4-5b	0.000277	0.000277
Piso 2	B204	1053	V(40x50)	3.1	No Message	B.2.4-5b	0.000277	0.000277
Piso 2	B204	1053	V(40x50)	3.1	No Message	B.2.4-5b	0.000313	0.000313
Piso 2	B204	1053	V(40x50)	3.5	No Message	B.2.4-5b	0.000313	0.000313
Piso 2	B204	1053	V(40x50)	3.9	No Message	B.2.4-5b	0.000313	0.000313
Piso 2	B204	1053	V(40x50)	3.9	No Message	B.2.4-5b	0.000323	0.000323
Piso 2	B204	1053	V(40x50)	4.325	No Message	B.2.4-5b	0.000395	0.000395
Piso 2	B204	1053	V(40x50)	4.75	No Message	B.2.4-5b	0.000506	0.000506
Piso 2	B466	738	V(30x50)	0	No Message	B.2.4-7b	2.3E-05	2.3E-05
Piso 2	B466	738	V(30x50)	0.4125	No Message	B.2.4-7b	2.3E-05	2.3E-05
Piso 2	B466	738	V(30x50)	0.825	No Message	B.2.4-7b	2.3E-05	2.3E-05
Piso 2	B466	738	V(30x50)	1.2375	No Message	B.2.4-7b	3.2E-05	3.2E-05
Piso 2	B466	738	V(30x50)	1.65	No Message	B.2.4-7b	4.7E-05	4.7E-05
Piso 2	B466	738	V(30x50)	1.65	No Message	B.2.4-7b	0.000134	0.000134
Piso 2	B466	738	V(30x50)	2.0625	No Message	B.2.4-7b	0.000103	0.000103
Piso 2	B466	738	V(30x50)	2.475	No Message	B.2.4-7b	7.7E-05	7.7E-05
Piso 2	B466	738	V(30x50)	2.8875	No Message	B.2.4-7b	5.4E-05	5.4E-05
Piso 2	B466	738	V(30x50)	3.3	No Message	B.2.4-7b	3.8E-05	3.8E-05
Piso 2	B26	11	V(40x65)	0.2	No Message	B.2.4-7b	0.000182	0.000182
Piso 2	B26	11	V(40x65)	0.617	No Message	B.2.4-5b	0.000191	0.000191
Piso 2	B26	11	V(40x65)	0.617	No Message	B.2.4-5b	0.000191	0.000191
Piso 2	B26	11	V(40x65)	1.017	No Message	B.2.4-5b	0.000191	0.000191
Piso 2	B26	11	V(40x65)	1.417	No Message	B.2.4-5b	0.000191	0.000191
Piso 2	B26	11	V(40x65)	1.417	No Message	B.2.4-5b	0.000193	0.000193
Piso 2	B26	11	V(40x65)	1.817	No Message	B.2.4-5b	0.000193	0.000193
Piso 2	B26	11	V(40x65)	2.217	No Message	B.2.4-5b	0.000193	0.000193
Piso 2	B26	11	V(40x65)	2.217	No Message	B.2.4-5b	0.000197	0.000197
Piso 2	B26	11	V(40x65)	2.617	No Message	B.2.4-7b	0.000254	0.000254
Piso 2	B26	11	V(40x65)	3.017	No Message	B.2.4-5b	0.000396	0.000396
Piso 2	B26	11	V(40x65)	3.017	No Message	B.2.4-5b	0.0004	0.0004
Piso 2	B26	11	V(40x65)	3.417	No Message	B.2.4-5b	0.000618	0.000618
Piso 2	B26	11	V(40x65)	3.417	No Message	B.2.4-5b	0.000637	0.000637
Piso 2	B26	11	V(40x65)	3.567	No Message	B.2.4-5b	0.000738	0.000738
Piso 2	B38	15	V(40x65)	0.2	No Message	B.2.4-7b	0.000154	0.000154

Table: Concrete Beam Design Summary - ACI 318-08, Part 1 of 4

Story	Label	UniqueName	DesignSect	Station	Status	AsTopCombo	AsMinTop	AsTop
Unitless	Unitless	Unitless	Unitless	m	Unitless	Unitless	m²	m²
Piso 2	B38	15	V(40x65)	0.5535	No Message	B.2.4-5b	0.000198	0.000198
Piso 2	B38	15	V(40x65)	0.907	No Message	B.2.4-5b	0.000198	0.000198
Piso 2	B38	15	V(40x65)	0.907	No Message	B.2.4-5b	0.000205	0.000205
Piso 2	B38	15	V(40x65)	1.307	No Message	B.2.4-5b	0.000205	0.000205
Piso 2	B38	15	V(40x65)	1.707	No Message	B.2.4-5b	0.000205	0.000205
Piso 2	B38	15	V(40x65)	1.707	No Message	B.2.4-5b	0.000213	0.000213
Piso 2	B38	15	V(40x65)	2.107	No Message	B.2.4-5b	0.000213	0.000213
Piso 2	B38	15	V(40x65)	2.507	No Message	B.2.4-7b	0.000316	0.000316
Piso 2	B38	15	V(40x65)	2.507	No Message	B.2.4-7b	0.000324	0.000324
Piso 2	B38	15	V(40x65)	2.782	No Message	B.2.4-5b	0.000529	0.000529
Piso 2	B38	15	V(40x65)	3.057	No Message	B.2.4-5b	0.000788	0.000788
Piso 2	B39	17	V(40x65)	0.2	No Message	B.2.4-7b	0.000142	0.000142
Piso 2	B39	17	V(40x65)	0.362	No Message	B.2.4-5b	0.000134	0.000134
Piso 2	B39	17	V(40x65)	0.362	No Message	B.2.4-5b	0.000135	0.000135
Piso 2	B39	17	V(40x65)	0.762	No Message	B.2.4-5b	0.000135	0.000135
Piso 2	B39	17	V(40x65)	1.162	No Message	B.2.4-5b	0.000135	0.000135
Piso 2	B39	17	V(40x65)	1.162	No Message	B.2.4-5b	0.000144	0.000144
Piso 2	B39	17	V(40x65)	1.562	No Message	B.2.4-5b	0.000144	0.000144
Piso 2	B39	17	V(40x65)	1.962	No Message	B.2.4-5b	0.000144	0.000144
Piso 2	B39	17	V(40x65)	1.962	No Message	B.2.4-5b	0.000154	0.000154
Piso 2	B39	17	V(40x65)	2.362	No Message	B.2.4-5b	0.000154	0.000154
Piso 2	B39	17	V(40x65)	2.762	No Message	B.2.4-7b	0.000156	0.000156
Piso 2	B39	17	V(40x65)	2.762	No Message	B.2.4-7b	0.000165	0.000165
Piso 2	B39	17	V(40x65)	3.037	No Message	B.2.4-5b	0.000314	0.000314
Piso 2	B39	17	V(40x65)	3.312	No Message	B.2.4-5b	0.000559	0.000559
Piso 2	B78	20	V(30x50)	0.2	No Message	B.2.4-7b	0.000196	0.000196
Piso 2	B78	20	V(30x50)	0.66712	No Message	B.2.4-7b	0.000139	0.000139
Piso 2	B78	20	V(30x50)	1.13424	No Message	B.2.4-7b	9E-05	9E-05
Piso 2	B78	20	V(30x50)	1.60135	No Message	B.2.4-5b	8.4E-05	8.4E-05
Piso 2	B78	20	V(30x50)	2.06847	No Message	B.2.4-5b	8.4E-05	8.4E-05
Piso 2	B78	20	V(30x50)	2.53559	No Message	B.2.4-5b	8.4E-05	8.4E-05
Piso 2	B78	20	V(30x50)	3.00271	No Message	B.2.4-5b	8.4E-05	8.4E-05
Piso 2	B78	20	V(30x50)	3.46983	No Message	B.2.4-5b	8.4E-05	8.4E-05
Piso 2	B78	20	V(30x50)	3.93694	No Message	B.2.4-5b	8.4E-05	8.4E-05
Piso 2	B78	20	V(30x50)	4.40406	No Message	B.2.4-5b	8.4E-05	8.4E-05
Piso 2	B78	20	V(30x50)	4.87118	No Message	B.2.4-7b	0.000103	0.000103
Piso 2	B78	20	V(30x50)	5.3383	No Message	B.2.4-5b	0.000195	0.000195
Piso 2	B78	20	V(30x50)	5.80542	No Message	B.2.4-5b	0.000299	0.000299
Piso 2	B79	21	V(30x50)	0.2	No Message	B.2.4-5b	0.000245	0.000245
Piso 2	B79	21	V(30x50)	0.66712	No Message	B.2.4-5b	0.000173	0.000173
Piso 2	B79	21	V(30x50)	1.13424	No Message	B.2.4-5b	0.000111	0.000111
Piso 2	B79	21	V(30x50)	1.60135	No Message	B.2.4-5b	6.8E-05	6.8E-05
Piso 2	B79	21	V(30x50)	2.06847	No Message	B.2.4-5b	6.8E-05	6.8E-05
Piso 2	B79	21	V(30x50)	2.53559	No Message	B.2.4-5b	6.8E-05	6.8E-05
Piso 2	B79	21	V(30x50)	3.00271	No Message	B.2.4-5b	6.8E-05	6.8E-05
Piso 2	B79	21	V(30x50)	3.46983	No Message	B.2.4-5b	6.8E-05	6.8E-05
Piso 2	B79	21	V(30x50)	3.93694	No Message	B.2.4-5b	6.8E-05	6.8E-05
Piso 2	B79	21	V(30x50)	4.40406	No Message	B.2.4-5b	6.8E-05	6.8E-05

Table: Concrete Beam Design Summary - ACI 318-08, Part 1 of 4

Story	Label	UniqueName	DesignSect	Station	Status	AsTopCombo	AsMinTop	AsTop
Unitless	Unitless	Unitless	Unitless	m	Unitless	Unitless	m²	m²
Piso 2	B79	21	V(30x50)	4.87118	No Message	B.2.4-5b	9.2E-05	9.2E-05
Piso 2	B79	21	V(30x50)	5.3383	No Message	B.2.4-5b	0.000145	0.000145
Piso 2	B79	21	V(30x50)	5.80542	No Message	B.2.4-5b	0.000207	0.000207
Piso 2	B81	22	V(30x50)	0.2	No Message	B.2.4-5b	0.000375	0.000375
Piso 2	B81	22	V(30x50)	0.66712	No Message	B.2.4-5b	0.000247	0.000247
Piso 2	B81	22	V(30x50)	1.13424	No Message	B.2.4-5b	0.000135	0.000135
Piso 2	B81	22	V(30x50)	1.60135	No Message	B.2.4-5b	0.000103	0.000103
Piso 2	B81	22	V(30x50)	2.06847	No Message	B.2.4-5b	0.000103	0.000103
Piso 2	B81	22	V(30x50)	2.53559	No Message	B.2.4-5b	0.000103	0.000103
Piso 2	B81	22	V(30x50)	3.00271	No Message	B.2.4-5b	0.000103	0.000103
Piso 2	B81	22	V(30x50)	3.46983	No Message	B.2.4-5b	0.000103	0.000103
Piso 2	B81	22	V(30x50)	3.93694	No Message	B.2.4-5b	0.000103	0.000103
Piso 2	B81	22	V(30x50)	4.40406	No Message	B.2.4-5b	0.000103	0.000103
Piso 2	B81	22	V(30x50)	4.87118	No Message	B.2.4-7b	0.000104	0.000104
Piso 2	B81	22	V(30x50)	5.3383	No Message	B.2.4-7b	0.000158	0.000158
Piso 2	B81	22	V(30x50)	5.80542	No Message	B.2.4-7b	0.000219	0.000219
Piso 2	B3	66	V(50x65)	0.3	No Message	B.2.4-5b	0.001004	0.00141
Piso 2	B3	66	V(50x65)	0.4775	No Message	B.2.4-5b	0.001004	0.001255
Piso 2	B3	66	V(50x65)	0.4775	No Message	B.2.4-5b	0.001004	0.001257
Piso 2	B3	66	V(50x65)	0.955	No Message	B.2.4-5b	0.001004	0.001004
Piso 2	B3	66	V(50x65)	0.955	No Message	B.2.4-5b	0.001004	0.001004
Piso 2	B3	66	V(50x65)	1.3375	No Message	B.2.4-5b	0.000823	0.000823
Piso 2	B3	66	V(50x65)	1.3375	No Message	B.2.4-5b	0.000831	0.000831
Piso 2	B3	66	V(50x65)	1.72	No Message	B.2.4-5b	0.000646	0.000646
Piso 2	B3	66	V(50x65)	1.72	No Message	B.2.4-5b	0.000655	0.000655
Piso 2	B3	66	V(50x65)	2.05	No Message	B.2.4-5b	0.000655	0.000655
Piso 2	B3	66	V(50x65)	2.05	No Message	B.2.4-5b	0.000624	0.000624
Piso 2	B3	66	V(50x65)	2.45	No Message	B.2.4-5b	0.000624	0.000624
Piso 2	B3	66	V(50x65)	2.85	No Message	B.2.4-5b	0.000624	0.000624
Piso 2	B3	66	V(50x65)	2.85	No Message	B.2.4-5b	0.000584	0.000584
Piso 2	B3	66	V(50x65)	3.125	No Message	B.2.4-5b	0.000714	0.000714
Piso 2	B3	66	V(50x65)	3.4	No Message	B.2.4-5b	0.000883	0.000883
Piso 2	B9	67	V(50x65)	0.25	No Message	B.2.4-5b	0.000748	0.000748
Piso 2	B9	67	V(50x65)	0.55	No Message	B.2.4-5b	0.000567	0.000567
Piso 2	B9	67	V(50x65)	0.55	No Message	B.2.4-5b	0.000586	0.000586
Piso 2	B9	67	V(50x65)	0.7	No Message	B.2.4-5b	0.000496	0.000496
Piso 2	B9	67	V(50x65)	0.7	No Message	B.2.4-5b	0.000427	0.000427
Piso 2	B9	67	V(50x65)	1.1	No Message	B.2.4-5b	0.000288	0.000288
Piso 2	B9	67	V(50x65)	1.5	No Message	B.2.4-5b	0.000288	0.000288
Piso 2	B9	67	V(50x65)	1.5	No Message	B.2.4-5b	0.00029	0.00029
Piso 2	B9	67	V(50x65)	1.9	No Message	B.2.4-5b	0.00029	0.00029
Piso 2	B9	67	V(50x65)	2.3	No Message	B.2.4-5b	0.00029	0.00029
Piso 2	B9	67	V(50x65)	2.3	No Message	B.2.4-5b	0.000352	0.000352
Piso 2	B9	67	V(50x65)	2.59	No Message	B.2.4-5b	0.000352	0.000352
Piso 2	B9	67	V(50x65)	2.88	No Message	B.2.4-5b	0.000352	0.000352
Piso 2	B9	67	V(50x65)	2.88	No Message	B.2.4-5b	0.000332	0.000332
Piso 2	B9	67	V(50x65)	3.1	No Message	B.2.4-5b	0.000332	0.000332
Piso 2	B9	67	V(50x65)	3.1	No Message	B.2.4-5b	0.000365	0.000365

Table: Concrete Beam Design Summary - ACI 318-08, Part 1 of 4

Story	Label	UniqueName	DesignSect	Station	Status	AsTopCombo	AsMinTop	AsTop
Unitless	Unitless	Unitless	Unitless	m	Unitless	Unitless	m²	m²
Piso 2	B9	67	V(50x65)	3.22	No Message	B.2.4-5b	0.000365	0.000365
Piso 2	B9	67	V(50x65)	3.22	No Message	B.2.4-5b	0.000354	0.000354
Piso 2	B9	67	V(50x65)	3.56	No Message	B.2.4-5b	0.000354	0.000354
Piso 2	B9	67	V(50x65)	3.56	No Message	B.2.4-5b	0.000347	0.000347
Piso 2	B9	67	V(50x65)	3.9	No Message	B.2.4-5b	0.000495	0.000495
Piso 2	B9	67	V(50x65)	3.9	No Message	B.2.4-5b	0.000509	0.000509
Piso 2	B9	67	V(50x65)	4.325	No Message	B.2.4-5b	0.00084	0.00084
Piso 2	B9	67	V(50x65)	4.325	No Message	B.2.4-5b	0.000836	0.000836
Piso 2	B9	67	V(50x65)	4.5	No Message	B.2.4-5b	0.000978	0.000978
Piso 2	B574	937	V(50x50)	0.25	No Message	B.2.4-7b	0.000753	0.000753
Piso 2	B574	937	V(50x50)	0.68571	No Message	B.2.4-5b	0.000692	0.000692
Piso 2	B574	937	V(50x50)	1.12143	No Message	B.2.4-5b	0.000433	0.000433
Piso 2	B574	937	V(50x50)	1.55714	No Message	B.2.4-5b	0.000352	0.000352
Piso 2	B574	937	V(50x50)	1.99286	No Message	B.2.4-5b	0.000352	0.000352
Piso 2	B574	937	V(50x50)	2.42857	No Message	B.2.4-5b	0.000352	0.000352
Piso 2	B574	937	V(50x50)	2.86429	No Message	B.2.4-5b	0.000352	0.000352
Piso 2	B574	937	V(50x50)	3.3	No Message	B.2.4-5b	0.000352	0.000352
Piso 2	B574	937	V(50x50)	3.3	No Message	B.2.4-5b	0.000397	0.000397
Piso 2	B574	937	V(50x50)	3.79	No Message	B.2.4-5b	0.000397	0.000397
Piso 2	B574	937	V(50x50)	4.28	No Message	B.2.4-5b	0.000397	0.000397
Piso 2	B574	937	V(50x50)	4.77	No Message	B.2.4-5b	0.000409	0.000409
Piso 2	B574	937	V(50x50)	5.26	No Message	B.2.4-5b	0.000753	0.000753
Piso 2	B574	937	V(50x50)	5.75	No Message	B.2.4-5b	0.000753	0.000854
Piso 2	B181	481	V(25x45)	0	No Message	B.2.4-5b	0.000282	0.000282
Piso 2	B181	481	V(25x45)	0.5	No Message	B.2.4-5b	0.000201	0.000201
Piso 2	B181	481	V(25x45)	0.5	No Message	B.2.4-5b	0.000189	0.000189
Piso 2	B181	481	V(25x45)	1	No Message	B.2.4-7b	0.000126	0.000126
Piso 2	B181	481	V(25x45)	1	No Message	B.2.4-7b	0.000116	0.000116
Piso 2	B181	481	V(25x45)	1.5	No Message	B.2.4-5b	0.000104	0.000104
Piso 2	B181	481	V(25x45)	1.5	No Message	B.2.4-5b	9.6E-05	9.6E-05
Piso 2	B181	481	V(25x45)	2	No Message	B.2.4-5b	9.6E-05	9.6E-05
Piso 2	B181	481	V(25x45)	2	No Message	B.2.4-5b	9E-05	9E-05
Piso 2	B181	481	V(25x45)	2.5	No Message	B.2.4-5b	9E-05	9E-05
Piso 2	B181	481	V(25x45)	2.5	No Message	B.2.4-5b	8.5E-05	8.5E-05
Piso 2	B181	481	V(25x45)	3	No Message	B.2.4-5b	8.5E-05	8.5E-05
Piso 2	B181	481	V(25x45)	3	No Message	B.2.4-5b	8.4E-05	8.4E-05
Piso 2	B181	481	V(25x45)	3.5	No Message	B.2.4-5b	8.4E-05	8.4E-05
Piso 2	B181	481	V(25x45)	3.5	No Message	B.2.4-5b	8.7E-05	8.7E-05
Piso 2	B181	481	V(25x45)	4	No Message	B.2.4-5b	8.7E-05	8.7E-05
Piso 2	B181	481	V(25x45)	4	No Message	B.2.4-5b	9.1E-05	9.1E-05
Piso 2	B181	481	V(25x45)	4.5	No Message	B.2.4-5b	9.1E-05	9.1E-05
Piso 2	B181	481	V(25x45)	4.5	No Message	B.2.4-5b	9.7E-05	9.7E-05
Piso 2	B181	481	V(25x45)	5	No Message	B.2.4-5b	0.000141	0.000141
Piso 2	B181	481	V(25x45)	5	No Message	B.2.4-5b	0.000148	0.000148
Piso 2	B181	481	V(25x45)	5.5	No Message	B.2.4-5b	0.000235	0.000235
Piso 2	B181	481	V(25x45)	5.5	No Message	B.2.4-5b	0.000242	0.000242
Piso 2	B181	481	V(25x45)	6	No Message	B.2.4-5b	0.000335	0.000335
Piso 2	B184	485	V(25x45)	0	No Message	B.2.4-5b	0.000325	0.000325

Table: Concrete Beam Design Summary - ACI 318-08, Part 1 of 4

Story	Label	UniqueName	DesignSect	Station	Status	AsTopCombo	AsMinTop	AsTop
Unitless	Unitless	Unitless	Unitless	m	Unitless	Unitless	m²	m²
Piso 2	B184	485	V(25x45)	0.5	No Message	B.2.4-5b	0.000226	0.000226
Piso 2	B184	485	V(25x45)	0.5	No Message	B.2.4-5b	0.000219	0.000219
Piso 2	B184	485	V(25x45)	1	No Message	B.2.4-5b	0.000132	0.000132
Piso 2	B184	485	V(25x45)	1	No Message	B.2.4-5b	0.000127	0.000127
Piso 2	B184	485	V(25x45)	1.5	No Message	B.2.4-5b	8.6E-05	8.6E-05
Piso 2	B184	485	V(25x45)	1.5	No Message	B.2.4-5b	8.5E-05	8.5E-05
Piso 2	B184	485	V(25x45)	2	No Message	B.2.4-5b	8.5E-05	8.5E-05
Piso 2	B184	485	V(25x45)	2	No Message	B.2.4-5b	8.7E-05	8.7E-05
Piso 2	B184	485	V(25x45)	2.5	No Message	B.2.4-5b	8.7E-05	8.7E-05
Piso 2	B184	485	V(25x45)	2.5	No Message	B.2.4-5b	9.1E-05	9.1E-05
Piso 2	B184	485	V(25x45)	3	No Message	B.2.4-5b	9.1E-05	9.1E-05
Piso 2	B184	485	V(25x45)	3	No Message	B.2.4-5b	9.5E-05	9.5E-05
Piso 2	B184	485	V(25x45)	3.5	No Message	B.2.4-5b	9.5E-05	9.5E-05
Piso 2	B184	485	V(25x45)	3.5	No Message	B.2.4-5b	0.000101	0.000101
Piso 2	B184	485	V(25x45)	4	No Message	B.2.4-5b	0.000101	0.000101
Piso 2	B184	485	V(25x45)	4	No Message	B.2.4-5b	0.000106	0.000106
Piso 2	B184	485	V(25x45)	4.5	No Message	B.2.4-5b	0.000106	0.000106
Piso 2	B184	485	V(25x45)	4.5	No Message	B.2.4-5b	0.000112	0.000112
Piso 2	B184	485	V(25x45)	5	No Message	B.2.4-7b	0.000128	0.000128
Piso 2	B184	485	V(25x45)	5	No Message	B.2.4-7b	0.000136	0.000136
Piso 2	B184	485	V(25x45)	5.5	No Message	B.2.4-5b	0.000199	0.000199
Piso 2	B184	485	V(25x45)	5.5	No Message	B.2.4-5b	0.000208	0.000208
Piso 2	B184	485	V(25x45)	6	No Message	B.2.4-5b	0.00029	0.00029

Table: Concrete Beam Design Summary - ACI 318-08, Part 2 of 4

Table: Concrete Beam Design Summary - ACI 318-08, Part 2 of 4

Story	Label	UniqueName	Station	AsBotCombo	AsMinBot	AsBot	VCombo	VRebar
Unitless	Unitless	Unitless	m	Unitless	m²	m²	Unitless	m²/m
Piso 2	B1	14	0.25	B.2.4-5b	0.000486	0.000486	B.2.4-7b	0.00118
Piso 2	B1	14	0.525	B.2.4-5b	0.000442	0.000442	B.2.4-7b	0.00117
Piso 2	B1	14	0.8	B.2.4-5b	0.000442	0.000442	B.2.4-7b	0.00116
Piso 2	B1	14	0.8	B.2.4-5b	0.000451	0.000451	B.2.4-7b	0.00099
Piso 2	B1	14	1.2	B.2.4-5b	0.000495	0.000495	B.2.4-7b	0.00098
Piso 2	B1	14	1.6	B.2.4-5b	0.000629	0.000629	B.2.4-7b	0.00097
Piso 2	B1	14	1.6	B.2.4-5b	0.000631	0.000631	B.2.4-7b	0.0008
Piso 2	B1	14	2	B.2.4-5b	0.000629	0.000629	B.2.4-7b	0.00078
Piso 2	B1	14	2.4	B.2.4-2	0.000646	0.000646	B.2.4-7b	0.00077
Piso 2	B1	14	2.4	B.2.4-2	0.000647	0.000647	B.2.4-7b	0.0006
Piso 2	B1	14	2.8	B.2.4-5b	0.000587	0.000587	B.2.4-7b	0.0006
Piso 2	B1	14	3.2	B.2.4-5b	0.000608	0.000608	B.2.4-7b	0.00061
Piso 2	B1	14	3.2	B.2.4-5b	0.000615	0.000615	B.2.4-7b	0.00078
Piso 2	B1	14	3.6	B.2.4-5b	0.000501	0.000501	B.2.4-7b	0.0008
Piso 2	B1	14	4	B.2.4-5b	0.000458	0.000458	B.2.4-7b	0.00081
Piso 2	B1	14	4	B.2.4-5b	0.000471	0.000471	B.2.4-7b	0.00098
Piso 2	B1	14	4.4	B.2.4-5b	0.000471	0.000471	B.2.4-7b	0.00099
Piso 2	B1	14	4.8	B.2.4-5b	0.000471	0.000471	B.2.4-7b	0.001
Piso 2	B1	14	4.8	B.2.4-5b	0.000472	0.000472	B.2.4-7b	0.00117
Piso 2	B1	14	5.3	B.2.4-5b	0.000804	0.000804	B.2.4-7b	0.00119
Piso 2	B2	689	0.3	B.2.4-5b	0.001205	0.001205	B.2.4-5b	0.00124
Piso 2	B2	689	0.6	B.2.4-5b	0.000796	0.000796	B.2.4-5b	0.00123
Piso 2	B2	689	0.6	B.2.4-5b	0.000793	0.000793	B.2.4-5b	0.00094
Piso 2	B2	689	1	B.2.4-5b	0.000793	0.000793	B.2.4-5b	0.00092
Piso 2	B2	689	1.4	B.2.4-5b	0.000793	0.000793	B.2.4-5b	0.00089
Piso 2	B2	689	1.4	B.2.4-5b	0.000792	0.000792	B.2.4-5b	0.00057
Piso 2	B2	689	1.8	B.2.4-5b	0.000792	0.000792	B.2.4-5b	0.00055
Piso 2	B2	689	2.2	B.2.4-2	0.001205	0.001205	B.2.4-5b	0.00053
Piso 2	B2	689	2.2	B.2.4-2	0.001205	0.001205	B.2.4-4b	0.0005
Piso 2	B2	689	2.6	B.2.4-5b	0.001205	0.001205	B.2.4-4b	0.0005
Piso 2	B2	689	3	B.2.4-2	0.001205	0.001417	B.2.4-4b	0.0005
Piso 2	B2	689	3	B.2.4-2	0.001205	0.001417	B.2.4-7b	0.0005
Piso 2	B2	689	3.4	B.2.4-2	0.001205	0.001535	B.2.4-7b	0.0005
Piso 2	B2	689	3.8	B.2.4-2	0.001205	0.001646	B.2.4-7b	0.0005
Piso 2	B2	689	3.8	B.2.4-2	0.001205	0.001645	B.2.4-7b	0.0005
Piso 2	B2	689	4.2	B.2.4-2	0.001205	0.001626	B.2.4-7b	0.0005
Piso 2	B2	689	4.6	B.2.4-2	0.001205	0.001598	B.2.4-7b	0.0005
Piso 2	B2	689	4.6	B.2.4-2	0.001205	0.001597	B.2.4-7b	0.0005
Piso 2	B2	689	5	B.2.4-2	0.001205	0.001439	B.2.4-7b	0.0005
Piso 2	B2	689	5.4	B.2.4-2	0.001205	0.001273	B.2.4-7b	0.0005
Piso 2	B2	689	5.4	B.2.4-2	0.001205	0.001272	B.2.4-7b	0.0005
Piso 2	B2	689	5.8	B.2.4-5b	0.001205	0.001205	B.2.4-7b	0.0005
Piso 2	B2	689	6.2	B.2.4-5b	0.001173	0.001173	B.2.4-7b	0.0005
Piso 2	B2	689	6.2	B.2.4-5b	0.001172	0.001172	B.2.4-5b	0.00053
Piso 2	B2	689	6.6	B.2.4-5b	0.000793	0.000793	B.2.4-5b	0.00055

Table: Concrete Beam Design Summary - ACI 318-08, Part 2 of 4

Story	Label	UniqueName	Station	AsBotCombo	AsMinBot	AsBot	VCombo	VRebar
Unitless	Unitless	Unitless	m	Unitless	m²	m²	Unitless	m²/m
Piso 2	B2	689	7	B.2.4-5b	0.000793	0.000793	B.2.4-5b	0.00057
Piso 2	B2	689	7	B.2.4-5b	0.00079	0.00079	B.2.4-5b	0.00089
Piso 2	B2	689	7.4	B.2.4-5b	0.00079	0.00079	B.2.4-5b	0.00092
Piso 2	B2	689	7.8	B.2.4-5b	0.00079	0.00079	B.2.4-5b	0.00094
Piso 2	B2	689	7.8	B.2.4-5b	0.000787	0.000787	B.2.4-5b	0.00123
Piso 2	B2	689	8.1	B.2.4-5b	0.001205	0.001205	B.2.4-5b	0.00124
Piso 2	B6	721	0.25	B.2.4-7b	0.000578	0.000578	B.2.4-7b	0.00091
Piso 2	B6	721	0.525	B.2.4-7b	0.000587	0.000587	B.2.4-7b	0.0009
Piso 2	B6	721	0.8	B.2.4-5b	0.000622	0.000622	B.2.4-7b	0.00089
Piso 2	B6	721	0.8	B.2.4-5b	0.000618	0.000618	B.2.4-7b	0.00081
Piso 2	B6	721	1.2	B.2.4-5b	0.000622	0.000622	B.2.4-7b	0.00079
Piso 2	B6	721	1.6	B.2.4-5b	0.000619	0.000619	B.2.4-7b	0.00078
Piso 2	B6	721	1.6	B.2.4-5b	0.000618	0.000618	B.2.4-7b	0.0007
Piso 2	B6	721	2	B.2.4-5b	0.000544	0.000544	B.2.4-7b	0.00068
Piso 2	B6	721	2.4	B.2.4-5b	0.000463	0.000463	B.2.4-7b	0.00067
Piso 2	B6	721	2.4	B.2.4-5b	0.00046	0.00046	B.2.4-7b	0.00059
Piso 2	B6	721	2.8	B.2.4-5b	0.000424	0.000424	B.2.4-7b	0.00058
Piso 2	B6	721	3.2	B.2.4-5b	0.000424	0.000424	B.2.4-7b	0.00057
Piso 2	B6	721	3.2	B.2.4-5b	0.00042	0.00042	B.2.4-7b	0.00065
Piso 2	B6	721	3.6	B.2.4-5b	0.00042	0.00042	B.2.4-7b	0.00066
Piso 2	B6	721	4	B.2.4-5b	0.00042	0.00042	B.2.4-7b	0.00067
Piso 2	B6	721	4	B.2.4-5b	0.000408	0.000408	B.2.4-7b	0.00081
Piso 2	B6	721	4.4	B.2.4-5b	0.000408	0.000408	B.2.4-7b	0.00082
Piso 2	B6	721	4.4	B.2.4-5b	0.000407	0.000407	B.2.4-7b	0.00082
Piso 2	B6	721	4.8	B.2.4-5b	0.000407	0.000407	B.2.4-7b	0.00084
Piso 2	B6	721	4.8	B.2.4-5b	0.000408	0.000408	B.2.4-7b	0.00095
Piso 2	B6	721	5.2	B.2.4-5b	0.000408	0.000408	B.2.4-7b	0.00097
Piso 2	B6	721	5.2	B.2.4-5b	0.000408	0.000408	B.2.4-7b	0.00097
Piso 2	B6	721	5.3	B.2.4-5b	0.000803	0.000803	B.2.4-7b	0.00097
Piso 2	B7	725	0.3	B.2.4-5b	0.001205	0.001205	B.2.4-5b	0.00099
Piso 2	B7	725	0.6	B.2.4-5b	0.000698	0.000698	B.2.4-5b	0.00097
Piso 2	B7	725	0.6	B.2.4-5b	0.000696	0.000696	B.2.4-5b	0.00073
Piso 2	B7	725	1	B.2.4-5b	0.000696	0.000696	B.2.4-5b	0.0007
Piso 2	B7	725	1.4	B.2.4-5b	0.000696	0.000696	B.2.4-5b	0.00068
Piso 2	B7	725	1.4	B.2.4-5b	0.000693	0.000693	B.2.4-6b	0.0005
Piso 2	B7	725	1.8	B.2.4-5b	0.000693	0.000693	B.2.4-4b	0.0005
Piso 2	B7	725	2.2	B.2.4-5b	0.001051	0.001051	B.2.4-4b	0.0005
Piso 2	B7	725	2.2	B.2.4-5b	0.001049	0.001049	B.2.4-4b	0.0005
Piso 2	B7	725	2.6	B.2.4-5b	0.001205	0.001205	B.2.4-4b	0.0005
Piso 2	B7	725	3	B.2.4-2	0.001205	0.001246	B.2.4-2	0.0005
Piso 2	B7	725	3	B.2.4-2	0.001205	0.001246	B.2.4-7b	0.0005
Piso 2	B7	725	3.4	B.2.4-2	0.001205	0.00137	B.2.4-7b	0.0005
Piso 2	B7	725	3.8	B.2.4-2	0.001205	0.001485	B.2.4-7b	0.0005
Piso 2	B7	725	3.8	B.2.4-2	0.001205	0.001486	B.2.4-7b	0.0005
Piso 2	B7	725	4.2	B.2.4-2	0.001205	0.001489	B.2.4-7b	0.0005
Piso 2	B7	725	4.6	B.2.4-2	0.001205	0.001484	B.2.4-7b	0.0005
Piso 2	B7	725	4.6	B.2.4-2	0.001205	0.001485	B.2.4-7b	0.0005

Table: Concrete Beam Design Summary - ACI 318-08, Part 2 of 4

Story	Label	UniqueName	Station	AsBotCombo	AsMinBot	AsBot	VCombo	VRebar
Unitless	Unitless	Unitless	m	Unitless	m²	m²	Unitless	m²/m
Piso 2	B7	725	5	B.2.4-2	0.001205	0.001368	B.2.4-7b	0.0005
Piso 2	B7	725	5.4	B.2.4-2	0.001205	0.001243	B.2.4-7b	0.0005
Piso 2	B7	725	5.4	B.2.4-2	0.001205	0.001243	B.2.4-7b	0.0005
Piso 2	B7	725	5.8	B.2.4-5b	0.001205	0.001205	B.2.4-7b	0.0005
Piso 2	B7	725	6.2	B.2.4-5b	0.001042	0.001042	B.2.4-7b	0.0005
Piso 2	B7	725	6.2	B.2.4-5b	0.001046	0.001046	B.2.4-4b	0.0005
Piso 2	B7	725	6.6	B.2.4-5b	0.000696	0.000696	B.2.4-4b	0.0005
Piso 2	B7	725	7	B.2.4-5b	0.000696	0.000696	B.2.4-4b	0.0005
Piso 2	B7	725	7	B.2.4-5b	0.000703	0.000703	B.2.4-5b	0.00068
Piso 2	B7	725	7.4	B.2.4-5b	0.000703	0.000703	B.2.4-5b	0.0007
Piso 2	B7	725	7.8	B.2.4-5b	0.000703	0.000703	B.2.4-5b	0.00073
Piso 2	B7	725	7.8	B.2.4-5b	0.000709	0.000709	B.2.4-5b	0.00098
Piso 2	B7	725	8.1	B.2.4-5b	0.001205	0.001205	B.2.4-5b	0.00099
Piso 2	B11	602	0.25	B.2.4-5b	0.000585	0.000585	B.2.4-5b	0.00064
Piso 2	B11	602	0.71875	B.2.4-5b	0.000505	0.000505	B.2.4-5b	0.00063
Piso 2	B11	602	1.1875	B.2.4-5b	0.000415	0.000415	B.2.4-5b	0.00061
Piso 2	B11	602	1.65625	B.2.4-5b	0.00039	0.00039	B.2.4-5b	0.00059
Piso 2	B11	602	2.125	B.2.4-5b	0.00039	0.00039	B.2.4-5b	0.00057
Piso 2	B11	602	2.59375	B.2.4-5b	0.00039	0.00039	B.2.4-5b	0.00055
Piso 2	B11	602	3.0625	B.2.4-5b	0.00039	0.00039	B.2.4-5b	0.00053
Piso 2	B11	602	3.53125	B.2.4-5b	0.00039	0.00039	B.2.4-5b	0.00051
Piso 2	B11	602	4	B.2.4-5b	0.00039	0.00039	B.2.4-5b	0.0005
Piso 2	B11	602	4	B.2.4-5b	0.00036	0.00036	B.2.4-5b	0.00063
Piso 2	B11	602	4.4	B.2.4-5b	0.00036	0.00036	B.2.4-5b	0.00065
Piso 2	B11	602	4.4	B.2.4-5b	0.000354	0.000354	B.2.4-5b	0.00065
Piso 2	B11	602	4.8	B.2.4-5b	0.000354	0.000354	B.2.4-5b	0.00067
Piso 2	B11	602	4.8	B.2.4-5b	0.000349	0.000349	B.2.4-5b	0.00081
Piso 2	B11	602	5.2	B.2.4-5b	0.000349	0.000349	B.2.4-5b	0.00083
Piso 2	B11	602	5.2	B.2.4-5b	0.000347	0.000347	B.2.4-5b	0.00084
Piso 2	B11	602	5.3	B.2.4-5b	0.00065	0.00065	B.2.4-5b	0.00084
Piso 2	B12	745	0.3	B.2.4-5b	0.001205	0.001205	B.2.4-5b	0.00103
Piso 2	B12	745	0.6	B.2.4-5b	0.000762	0.000762	B.2.4-5b	0.00101
Piso 2	B12	745	0.6	B.2.4-5b	0.000755	0.000755	B.2.4-5b	0.00076
Piso 2	B12	745	1	B.2.4-5b	0.000755	0.000755	B.2.4-5b	0.00073
Piso 2	B12	745	1.4	B.2.4-5b	0.000755	0.000755	B.2.4-5b	0.00071
Piso 2	B12	745	1.4	B.2.4-5b	0.000749	0.000749	B.2.4-6b	0.0005
Piso 2	B12	745	1.8	B.2.4-5b	0.000788	0.000788	B.2.4-4b	0.0005
Piso 2	B12	745	2.2	B.2.4-5b	0.001162	0.001162	B.2.4-4b	0.0005
Piso 2	B12	745	2.2	B.2.4-5b	0.001156	0.001156	B.2.4-4b	0.0005
Piso 2	B12	745	2.6	B.2.4-5b	0.001205	0.001205	B.2.4-4b	0.0005
Piso 2	B12	745	3	B.2.4-2	0.001205	0.001214	B.2.4-2	0.0005
Piso 2	B12	745	3	B.2.4-2	0.001205	0.001213	B.2.4-7b	0.0005
Piso 2	B12	745	3.4	B.2.4-2	0.001205	0.001322	B.2.4-7b	0.0005
Piso 2	B12	745	3.8	B.2.4-2	0.001205	0.001423	B.2.4-7b	0.0005
Piso 2	B12	745	3.8	B.2.4-2	0.001205	0.001422	B.2.4-7b	0.0005
Piso 2	B12	745	4.2	B.2.4-2	0.001205	0.001409	B.2.4-7b	0.0005
Piso 2	B12	745	4.6	B.2.4-2	0.001205	0.001388	B.2.4-7b	0.0005

Table: Concrete Beam Design Summary - ACI 318-08, Part 2 of 4

Story	Label	UniqueName	Station	AsBotCombo	AsMinBot	AsBot	VCombo	VRebar
Unitless	Unitless	Unitless	m	Unitless	m²	m²	Unitless	m²/m
Piso 2	B12	745	4.6	B.2.4-2	0.001205	0.001387	B.2.4-7b	0.0005
Piso 2	B12	745	5	B.2.4-5b	0.001205	0.00127	B.2.4-7b	0.0005
Piso 2	B12	745	5.4	B.2.4-5b	0.001205	0.001205	B.2.4-7b	0.0005
Piso 2	B12	745	5.4	B.2.4-5b	0.001205	0.001205	B.2.4-7b	0.0005
Piso 2	B12	745	5.8	B.2.4-5b	0.001205	0.001205	B.2.4-7b	0.0005
Piso 2	B12	745	6.2	B.2.4-5b	0.00113	0.00113	B.2.4-7b	0.0005
Piso 2	B12	745	6.2	B.2.4-5b	0.00113	0.00113	B.2.4-4b	0.0005
Piso 2	B12	745	6.6	B.2.4-5b	0.00075	0.00075	B.2.4-4b	0.0005
Piso 2	B12	745	7	B.2.4-5b	0.000731	0.000731	B.2.4-6b	0.0005
Piso 2	B12	745	7	B.2.4-5b	0.000732	0.000732	B.2.4-5b	0.00071
Piso 2	B12	745	7.4	B.2.4-5b	0.000732	0.000732	B.2.4-5b	0.00073
Piso 2	B12	745	7.8	B.2.4-5b	0.000732	0.000732	B.2.4-5b	0.00076
Piso 2	B12	745	7.8	B.2.4-5b	0.000733	0.000733	B.2.4-5b	0.00101
Piso 2	B12	745	8.1	B.2.4-5b	0.001205	0.001205	B.2.4-5b	0.00103
Piso 2	B16	761	0.25	B.2.4-7b	0.00057	0.00057	B.2.4-5b	0.00061
Piso 2	B16	761	0.71875	B.2.4-5b	0.000492	0.000492	B.2.4-5b	0.00059
Piso 2	B16	761	1.1875	B.2.4-5b	0.000407	0.000407	B.2.4-5b	0.00057
Piso 2	B16	761	1.65625	B.2.4-5b	0.000367	0.000367	B.2.4-5b	0.00055
Piso 2	B16	761	2.125	B.2.4-5b	0.000367	0.000367	B.2.4-5b	0.00054
Piso 2	B16	761	2.59375	B.2.4-5b	0.000367	0.000367	B.2.4-5b	0.00052
Piso 2	B16	761	3.0625	B.2.4-5b	0.000367	0.000367	B.2.4-5b	0.0005
Piso 2	B16	761	3.53125	B.2.4-5b	0.000367	0.000367	B.2.4-5b	0.00048
Piso 2	B16	761	4	B.2.4-5b	0.000367	0.000367	B.2.4-7b	0.00047
Piso 2	B16	761	4	B.2.4-5b	0.000342	0.000342	B.2.4-5b	0.00059
Piso 2	B16	761	4.4	B.2.4-5b	0.000342	0.000342	B.2.4-5b	0.00061
Piso 2	B16	761	4.4	B.2.4-5b	0.000336	0.000336	B.2.4-5b	0.00061
Piso 2	B16	761	4.8	B.2.4-5b	0.000336	0.000336	B.2.4-5b	0.00063
Piso 2	B16	761	4.8	B.2.4-5b	0.00033	0.00033	B.2.4-5b	0.00075
Piso 2	B16	761	5.2	B.2.4-5b	0.00033	0.00033	B.2.4-5b	0.00077
Piso 2	B16	761	5.2	B.2.4-5b	0.000329	0.000329	B.2.4-5b	0.00077
Piso 2	B16	761	5.3	B.2.4-5b	0.000608	0.000608	B.2.4-5b	0.00078
Piso 2	B17	765	0.3	B.2.4-5b	0.001205	0.001205	B.2.4-5b	0.00079
Piso 2	B17	765	0.6	B.2.4-5b	0.000711	0.000711	B.2.4-5b	0.00077
Piso 2	B17	765	0.6	B.2.4-5b	0.000703	0.000703	B.2.4-5b	0.00055
Piso 2	B17	765	1	B.2.4-5b	0.000703	0.000703	B.2.4-5b	0.00053
Piso 2	B17	765	1.4	B.2.4-5b	0.000703	0.000703	B.2.4-5b	0.0005
Piso 2	B17	765	1.4	B.2.4-5b	0.000694	0.000694	B.2.4-1	0.0005
Piso 2	B17	765	1.8	B.2.4-5b	0.000732	0.000732	B.2.4-1	0.0005
Piso 2	B17	765	2.2	B.2.4-5b	0.001042	0.001042	B.2.4-1	0.0005
Piso 2	B17	765	2.2	B.2.4-5b	0.001031	0.001031	B.2.4-2	0.0005
Piso 2	B17	765	2.6	B.2.4-5b	0.001205	0.001205	B.2.4-2	0.0005
Piso 2	B17	765	3	B.2.4-5b	0.001205	0.001205	B.2.4-7b	0.00016
Piso 2	B17	765	3	B.2.4-5b	0.001205	0.001205	B.2.4-7b	0.0005
Piso 2	B17	765	3.4	B.2.4-5b	0.001205	0.001205	B.2.4-7b	0.0005
Piso 2	B17	765	3.8	B.2.4-2	0.001205	0.001238	B.2.4-7b	0.0005
Piso 2	B17	765	3.8	B.2.4-2	0.001205	0.001237	B.2.4-7b	0.0005
Piso 2	B17	765	4.2	B.2.4-2	0.001205	0.001235	B.2.4-7b	0.0005

Table: Concrete Beam Design Summary - ACI 318-08, Part 2 of 4

Story	Label	UniqueName	Station	AsBotCombo	AsMinBot	AsBot	VCombo	VRebar
Unitless	Unitless	Unitless	m	Unitless	m²	m²	Unitless	m²/m
Piso 2	B17	765	4.6	B.2.4-2	0.001205	0.001224	B.2.4-7b	0.0005
Piso 2	B17	765	4.6	B.2.4-2	0.001205	0.001224	B.2.4-7b	0.0005
Piso 2	B17	765	5	B.2.4-5b	0.001205	0.001205	B.2.4-7b	0.0005
Piso 2	B17	765	5.4	B.2.4-5b	0.001205	0.001205	B.2.4-7b	0.0005
Piso 2	B17	765	5.4	B.2.4-5b	0.001205	0.001205	B.2.4-7b	0.00022
Piso 2	B17	765	5.8	B.2.4-5b	0.001205	0.001205	B.2.4-7b	0.00022
Piso 2	B17	765	6.2	B.2.4-5b	0.001197	0.001197	B.2.4-7b	0.00022
Piso 2	B17	765	6.2	B.2.4-5b	0.001205	0.001205	B.2.4-4b	0.0005
Piso 2	B17	765	6.6	B.2.4-5b	0.00091	0.00091	B.2.4-4b	0.0005
Piso 2	B17	765	7	B.2.4-5b	0.000656	0.000656	B.2.4-4b	0.0005
Piso 2	B17	765	7	B.2.4-5b	0.000666	0.000666	B.2.4-5b	0.0005
Piso 2	B17	765	7.4	B.2.4-5b	0.000666	0.000666	B.2.4-5b	0.00053
Piso 2	B17	765	7.8	B.2.4-5b	0.000666	0.000666	B.2.4-5b	0.00055
Piso 2	B17	765	7.8	B.2.4-5b	0.000676	0.000676	B.2.4-5b	0.00077
Piso 2	B17	765	8.1	B.2.4-5b	0.001205	0.001205	B.2.4-5b	0.00079
Piso 2	B21	781	0.25	B.2.4-7b	0.000718	0.000718	B.2.4-5b	0.00112
Piso 2	B21	781	0.525	B.2.4-7b	0.000711	0.000711	B.2.4-5b	0.00111
Piso 2	B21	781	0.8	B.2.4-5b	0.00073	0.00073	B.2.4-5b	0.0011
Piso 2	B21	781	0.8	B.2.4-5b	0.000731	0.000731	B.2.4-5b	0.00096
Piso 2	B21	781	1.2	B.2.4-5b	0.000713	0.000713	B.2.4-5b	0.00094
Piso 2	B21	781	1.6	B.2.4-5b	0.000688	0.000688	B.2.4-5b	0.00093
Piso 2	B21	781	1.6	B.2.4-5b	0.000689	0.000689	B.2.4-5b	0.00079
Piso 2	B21	781	2	B.2.4-5b	0.000593	0.000593	B.2.4-5b	0.00077
Piso 2	B21	781	2.4	B.2.4-5b	0.000489	0.000489	B.2.4-5b	0.00076
Piso 2	B21	781	2.4	B.2.4-5b	0.000492	0.000492	B.2.4-5b	0.00062
Piso 2	B21	781	2.8	B.2.4-5b	0.0004	0.0004	B.2.4-5b	0.00061
Piso 2	B21	781	3.2	B.2.4-5b	0.0004	0.0004	B.2.4-5b	0.00063
Piso 2	B21	781	3.2	B.2.4-5b	0.000403	0.000403	B.2.4-5b	0.00077
Piso 2	B21	781	3.6	B.2.4-5b	0.000403	0.000403	B.2.4-5b	0.00078
Piso 2	B21	781	4	B.2.4-5b	0.000403	0.000403	B.2.4-5b	0.0008
Piso 2	B21	781	4	B.2.4-5b	0.000407	0.000407	B.2.4-5b	0.00094
Piso 2	B21	781	4.4	B.2.4-5b	0.000407	0.000407	B.2.4-5b	0.00095
Piso 2	B21	781	4.8	B.2.4-5b	0.000407	0.000407	B.2.4-5b	0.00097
Piso 2	B21	781	4.8	B.2.4-5b	0.00041	0.00041	B.2.4-5b	0.00111
Piso 2	B21	781	5.3	B.2.4-5b	0.000803	0.000803	B.2.4-5b	0.00113
Piso 2	B22	785	0.3	B.2.4-5b	0.001197	0.001197	B.2.4-5b	0.00066
Piso 2	B22	785	0.6	B.2.4-5b	0.000623	0.000623	B.2.4-5b	0.00064
Piso 2	B22	785	0.6	B.2.4-5b	0.000628	0.000628	B.2.4-6b	0.0005
Piso 2	B22	785	1	B.2.4-5b	0.000628	0.000628	B.2.4-6b	0.0005
Piso 2	B22	785	1.4	B.2.4-5b	0.00063	0.00063	B.2.4-6b	0.0005
Piso 2	B22	785	1.4	B.2.4-5b	0.000636	0.000636	B.2.4-6b	0.00023
Piso 2	B22	785	1.8	B.2.4-5b	0.000878	0.000878	B.2.4-6b	0.00023
Piso 2	B22	785	2.2	B.2.4-5b	0.001111	0.001111	B.2.4-6b	0.00023
Piso 2	B22	785	2.2	B.2.4-5b	0.001116	0.001116	B.2.4-6b	0.00017
Piso 2	B22	785	2.525	B.2.4-5b	0.001193	0.001193	B.2.4-6b	0.00017
Piso 2	B22	785	2.85	B.2.4-5b	0.001205	0.001205	B.2.4-6b	0.00017
Piso 2	B22	785	2.85	B.2.4-5b	0.001205	0.001205	B.2.4-7b	0

Table: Concrete Beam Design Summary - ACI 318-08, Part 2 of 4

Story	Label	UniqueName	Station	AsBotCombo	AsMinBot	AsBot	VCombo	VRebar
Unitless	Unitless	Unitless	m	Unitless	m²	m²	Unitless	m²/m
Piso 2	B22	785	3	B.2.4-5b	0.001205	0.001205	B.2.4-7b	0
Piso 2	B22	785	3	B.2.4-5b	0.001205	0.001205	B.2.4-6b	0.00017
Piso 2	B22	785	3.4	B.2.4-5b	0.001205	0.001205	B.2.4-6b	0.00017
Piso 2	B22	785	3.8	B.2.4-5b	0.001205	0.001205	B.2.4-6b	0.00017
Piso 2	B22	785	3.8	B.2.4-5b	0.001205	0.001205	B.2.4-7b	0.0005
Piso 2	B22	785	4.2	B.2.4-2	0.001205	0.001205	B.2.4-7b	0.0005
Piso 2	B22	785	4.6	B.2.4-2	0.001205	0.001205	B.2.4-7b	0.0005
Piso 2	B22	785	4.6	B.2.4-2	0.001205	0.001205	B.2.4-7b	0.0005
Piso 2	B22	785	5	B.2.4-2	0.001132	0.001132	B.2.4-7b	0.0005
Piso 2	B22	785	5.4	B.2.4-5b	0.001067	0.001067	B.2.4-7b	0.0005
Piso 2	B22	785	5.4	B.2.4-5b	0.001066	0.001066	B.2.4-7b	0.00016
Piso 2	B22	785	5.8	B.2.4-5b	0.000957	0.000957	B.2.4-7b	0.00016
Piso 2	B22	785	6.2	B.2.4-5b	0.000839	0.000839	B.2.4-7b	0.00016
Piso 2	B22	785	6.2	B.2.4-5b	0.000841	0.000841	B.2.4-6b	0.00022
Piso 2	B22	785	6.6	B.2.4-5b	0.000654	0.000654	B.2.4-6b	0.00022
Piso 2	B22	785	7	B.2.4-5b	0.000653	0.000653	B.2.4-6b	0.00022
Piso 2	B22	785	7	B.2.4-5b	0.000658	0.000658	B.2.4-5b	0.00012
Piso 2	B22	785	7.4	B.2.4-5b	0.000658	0.000658	B.2.4-5b	0.00015
Piso 2	B22	785	7.8	B.2.4-5b	0.000658	0.000658	B.2.4-5b	0.00017
Piso 2	B22	785	7.8	B.2.4-5b	0.000666	0.000666	B.2.4-5b	0.00029
Piso 2	B22	785	8.1	B.2.4-5b	0.001161	0.001161	B.2.4-5b	0.00031
Piso 2	B24	793	0.25	B.2.4-5b	0.000559	0.000559	B.2.4-7b	0.00124
Piso 2	B24	793	0.525	B.2.4-7b	0.00059	0.00059	B.2.4-7b	0.00123
Piso 2	B24	793	0.8	B.2.4-5b	0.000696	0.000696	B.2.4-7b	0.00122
Piso 2	B24	793	0.8	B.2.4-5b	0.000699	0.000699	B.2.4-7b	0.00105
Piso 2	B24	793	1.2	B.2.4-5b	0.000796	0.000796	B.2.4-7b	0.00104
Piso 2	B24	793	1.6	B.2.4-5b	0.000804	0.000804	B.2.4-7b	0.00103
Piso 2	B24	793	1.6	B.2.4-5b	0.000804	0.000804	B.2.4-7b	0.00086
Piso 2	B24	793	2	B.2.4-5b	0.000804	0.000804	B.2.4-7b	0.00084
Piso 2	B24	793	2.4	B.2.4-5b	0.000784	0.000784	B.2.4-7b	0.00083
Piso 2	B24	793	2.4	B.2.4-5b	0.000787	0.000787	B.2.4-7b	0.00066
Piso 2	B24	793	2.8	B.2.4-2	0.000699	0.000699	B.2.4-7b	0.00066
Piso 2	B24	793	3.2	B.2.4-5b	0.00064	0.00064	B.2.4-7b	0.00067
Piso 2	B24	793	3.2	B.2.4-5b	0.000642	0.000642	B.2.4-7b	0.00084
Piso 2	B24	793	3.6	B.2.4-5b	0.000549	0.000549	B.2.4-7b	0.00086
Piso 2	B24	793	4	B.2.4-5b	0.000501	0.000501	B.2.4-7b	0.00087
Piso 2	B24	793	4	B.2.4-5b	0.000501	0.000501	B.2.4-7b	0.00104
Piso 2	B24	793	4.4	B.2.4-5b	0.000501	0.000501	B.2.4-7b	0.00105
Piso 2	B24	793	4.8	B.2.4-5b	0.000501	0.000501	B.2.4-7b	0.00108
Piso 2	B24	793	4.8	B.2.4-5b	0.000504	0.000504	B.2.4-7b	0.00123
Piso 2	B24	793	5.3	B.2.4-5b	0.000804	0.000804	B.2.4-7b	0.00125
Piso 2	B25	797	0.3	B.2.4-5b	0.001205	0.001205	B.2.4-5b	0.00106
Piso 2	B25	797	0.6	B.2.4-5b	0.000747	0.000747	B.2.4-5b	0.00104
Piso 2	B25	797	0.6	B.2.4-5b	0.000749	0.000749	B.2.4-5b	0.00078
Piso 2	B25	797	1	B.2.4-5b	0.000749	0.000749	B.2.4-5b	0.00075
Piso 2	B25	797	1.4	B.2.4-5b	0.000749	0.000749	B.2.4-5b	0.00074
Piso 2	B25	797	1.4	B.2.4-5b	0.000753	0.000753	B.2.4-6b	0.0005

Table: Concrete Beam Design Summary - ACI 318-08, Part 2 of 4

Story	Label	UniqueName	Station	AsBotCombo	AsMinBot	AsBot	VCombo	VRebar
Unitless	Unitless	Unitless	m	Unitless	m²	m²	Unitless	m²/m
Piso 2	B25	797	1.8	B.2.4-5b	0.000753	0.000753	B.2.4-6b	0.0005
Piso 2	B25	797	2.2	B.2.4-5b	0.00106	0.00106	B.2.4-4b	0.0005
Piso 2	B25	797	2.2	B.2.4-5b	0.001063	0.001063	B.2.4-4b	0.0005
Piso 2	B25	797	2.6	B.2.4-5b	0.001205	0.001205	B.2.4-4b	0.0005
Piso 2	B25	797	3	B.2.4-5b	0.001205	0.001205	B.2.4-4b	0.0005
Piso 2	B25	797	3	B.2.4-5b	0.001205	0.001205	B.2.4-7b	0.0005
Piso 2	B25	797	3.4	B.2.4-2	0.001205	0.001281	B.2.4-7b	0.0005
Piso 2	B25	797	3.8	B.2.4-2	0.001205	0.001392	B.2.4-7b	0.0005
Piso 2	B25	797	3.8	B.2.4-2	0.001205	0.001392	B.2.4-7b	0.0005
Piso 2	B25	797	4.2	B.2.4-2	0.001205	0.00139	B.2.4-7b	0.0005
Piso 2	B25	797	4.6	B.2.4-2	0.001205	0.001379	B.2.4-7b	0.0005
Piso 2	B25	797	4.6	B.2.4-2	0.001205	0.001379	B.2.4-7b	0.0005
Piso 2	B25	797	5	B.2.4-5b	0.001205	0.001256	B.2.4-7b	0.0005
Piso 2	B25	797	5.4	B.2.4-5b	0.001205	0.001206	B.2.4-7b	0.0005
Piso 2	B25	797	5.4	B.2.4-5b	0.001205	0.001209	B.2.4-7b	0.0005
Piso 2	B25	797	5.8	B.2.4-5b	0.001205	0.001205	B.2.4-7b	0.0005
Piso 2	B25	797	6.2	B.2.4-5b	0.001173	0.001173	B.2.4-7b	0.0005
Piso 2	B25	797	6.2	B.2.4-5b	0.001179	0.001179	B.2.4-4b	0.0005
Piso 2	B25	797	6.6	B.2.4-5b	0.000812	0.000812	B.2.4-4b	0.0005
Piso 2	B25	797	7	B.2.4-5b	0.000773	0.000773	B.2.4-6b	0.0005
Piso 2	B25	797	7	B.2.4-5b	0.000777	0.000777	B.2.4-5b	0.00076
Piso 2	B25	797	7.4	B.2.4-5b	0.000777	0.000777	B.2.4-5b	0.00078
Piso 2	B25	797	7.8	B.2.4-5b	0.000777	0.000777	B.2.4-5b	0.0008
Piso 2	B25	797	7.8	B.2.4-5b	0.000781	0.000781	B.2.4-5b	0.00107
Piso 2	B25	797	8.1	B.2.4-5b	0.001205	0.001205	B.2.4-5b	0.00108
Piso 2	B27	805	0.25	B.2.4-5b	0.000476	0.000476	B.2.4-7b	0.00087
Piso 2	B27	805	0.525	B.2.4-5b	0.000407	0.000407	B.2.4-7b	0.00086
Piso 2	B27	805	0.8	B.2.4-5b	0.000407	0.000407	B.2.4-7b	0.00085
Piso 2	B27	805	0.8	B.2.4-5b	0.000403	0.000403	B.2.4-7b	0.00077
Piso 2	B27	805	1.2	B.2.4-5b	0.000403	0.000403	B.2.4-7b	0.00076
Piso 2	B27	805	1.6	B.2.4-5b	0.000439	0.000439	B.2.4-7b	0.00074
Piso 2	B27	805	1.6	B.2.4-5b	0.000436	0.000436	B.2.4-7b	0.00066
Piso 2	B27	805	2	B.2.4-5b	0.000403	0.000403	B.2.4-7b	0.00065
Piso 2	B27	805	2.4	B.2.4-5b	0.0004	0.0004	B.2.4-7b	0.00063
Piso 2	B27	805	2.4	B.2.4-5b	0.000399	0.000399	B.2.4-7b	0.00065
Piso 2	B27	805	2.8	B.2.4-5b	0.000399	0.000399	B.2.4-7b	0.00054
Piso 2	B27	805	3.2	B.2.4-5b	0.000448	0.000448	B.2.4-7b	0.00053
Piso 2	B27	805	3.2	B.2.4-5b	0.000448	0.000448	B.2.4-7b	0.00059
Piso 2	B27	805	3.6	B.2.4-5b	0.000442	0.000442	B.2.4-7b	0.0006
Piso 2	B27	805	4	B.2.4-5b	0.00043	0.00043	B.2.4-7b	0.00061
Piso 2	B27	805	4	B.2.4-5b	0.00039	0.00039	B.2.4-7b	0.00077
Piso 2	B27	805	4.4	B.2.4-5b	0.000388	0.000388	B.2.4-7b	0.00078
Piso 2	B27	805	4.8	B.2.4-5b	0.000388	0.000388	B.2.4-7b	0.0008
Piso 2	B27	805	4.8	B.2.4-5b	0.000399	0.000399	B.2.4-7b	0.00097
Piso 2	B27	805	5.3	B.2.4-5b	0.00077	0.00077	B.2.4-7b	0.00098
Piso 2	B28	809	0.3	B.2.4-5b	0.001205	0.001205	B.2.4-5b	0.00081
Piso 2	B28	809	0.6	B.2.4-5b	0.000686	0.000686	B.2.4-5b	0.0008

Table: Concrete Beam Design Summary - ACI 318-08, Part 2 of 4

Story	Label	UniqueName	Station	AsBotCombo	AsMinBot	AsBot	VCombo	VRebar
Unitless	Unitless	Unitless	m	Unitless	m²	m²	Unitless	m²/m
Piso 2	B28	809	0.6	B.2.4-5b	0.000691	0.000691	B.2.4-5b	0.00055
Piso 2	B28	809	1	B.2.4-5b	0.000691	0.000691	B.2.4-5b	0.00052
Piso 2	B28	809	1.4	B.2.4-5b	0.000691	0.000691	B.2.4-6b	0.0005
Piso 2	B28	809	1.4	B.2.4-5b	0.000698	0.000698	B.2.4-4b	0.0005
Piso 2	B28	809	1.8	B.2.4-5b	0.000808	0.000808	B.2.4-4b	0.0005
Piso 2	B28	809	2.2	B.2.4-5b	0.00111	0.00111	B.2.4-4b	0.0005
Piso 2	B28	809	2.2	B.2.4-5b	0.001118	0.001118	B.2.4-2	0.00022
Piso 2	B28	809	2.6	B.2.4-5b	0.001205	0.001205	B.2.4-2	0.00022
Piso 2	B28	809	3	B.2.4-5b	0.001205	0.001205	B.2.4-2	0.00022
Piso 2	B28	809	3	B.2.4-5b	0.001205	0.001205	B.2.4-1	0.00022
Piso 2	B28	809	3.4	B.2.4-5b	0.001205	0.001205	B.2.4-1	0.00022
Piso 2	B28	809	3.8	B.2.4-2	0.001205	0.001245	B.2.4-1	0.00022
Piso 2	B28	809	3.8	B.2.4-2	0.001205	0.001244	B.2.4-7b	0.0005
Piso 2	B28	809	4.25	B.2.4-2	0.001205	0.001206	B.2.4-7b	0.0005
Piso 2	B28	809	4.25	B.2.4-2	0.001205	0.001225	B.2.4-6b	0.00017
Piso 2	B28	809	4.6	B.2.4-5b	0.001205	0.001205	B.2.4-6b	0.00017
Piso 2	B28	809	4.6	B.2.4-5b	0.001205	0.001205	B.2.4-4b	0.00023
Piso 2	B28	809	5	B.2.4-5b	0.001205	0.001205	B.2.4-4b	0.00023
Piso 2	B28	809	5.4	B.2.4-5b	0.001205	0.001205	B.2.4-4b	0.00023
Piso 2	B28	809	5.4	B.2.4-5b	0.001205	0.001205	B.2.4-7b	0.00025
Piso 2	B28	809	5.8	B.2.4-5b	0.001063	0.001063	B.2.4-7b	0.00025
Piso 2	B28	809	6.2	B.2.4-5b	0.000887	0.000887	B.2.4-7b	0.00025
Piso 2	B28	809	6.2	B.2.4-5b	0.000883	0.000883	B.2.4-4b	0.0005
Piso 2	B28	809	6.6	B.2.4-5b	0.00074	0.00074	B.2.4-4b	0.0005
Piso 2	B28	809	7	B.2.4-5b	0.00074	0.00074	B.2.4-4b	0.0005
Piso 2	B28	809	7	B.2.4-5b	0.000738	0.000738	B.2.4-5b	0.00028
Piso 2	B28	809	7.4	B.2.4-5b	0.000738	0.000738	B.2.4-5b	0.0003
Piso 2	B28	809	7.8	B.2.4-5b	0.000738	0.000738	B.2.4-5b	0.00033
Piso 2	B28	809	7.8	B.2.4-5b	0.000739	0.000739	B.2.4-5b	0.00045
Piso 2	B28	809	8.1	B.2.4-5b	0.001192	0.001192	B.2.4-5b	0.00046
Piso 2	B30	817	0.25	B.2.4-5b	0.000628	0.000628	B.2.4-7b	0.00023
Piso 2	B30	817	0.6	B.2.4-7b	0.000625	0.000625	B.2.4-7b	0.00021
Piso 2	B30	817	0.6	B.2.4-7b	0.000617	0.000617	B.2.4-6b	0.00016
Piso 2	B30	817	1	B.2.4-5b	0.000678	0.000678	B.2.4-6b	0.00016
Piso 2	B30	817	1.4	B.2.4-5b	0.000772	0.000772	B.2.4-6b	0.00016
Piso 2	B30	817	1.4	B.2.4-5b	0.000773	0.000773	B.2.4-7b	0.0001
Piso 2	B30	817	1.8	B.2.4-5b	0.000797	0.000797	B.2.4-7b	0.0001
Piso 2	B30	817	2.2	B.2.4-5b	0.000813	0.000813	B.2.4-7b	0.0001
Piso 2	B30	817	2.2	B.2.4-5b	0.000826	0.000826	B.2.4-7b	0.00042
Piso 2	B30	817	2.525	B.2.4-5b	0.000787	0.000787	B.2.4-7b	0.00042
Piso 2	B30	817	2.85	B.2.4-5b	0.000743	0.000743	B.2.4-7b	0.00042
Piso 2	B30	817	2.85	B.2.4-5b	0.000756	0.000756	B.2.4-5b	0.00024
Piso 2	B30	817	3.33182	B.2.4-5b	0.000644	0.000644	B.2.4-5b	0.00027
Piso 2	B30	817	3.81364	B.2.4-5b	0.000521	0.000521	B.2.4-5b	0.0003
Piso 2	B30	817	4.29545	B.2.4-5b	0.000422	0.000422	B.2.4-7b	0.00017
Piso 2	B30	817	4.77727	B.2.4-5b	0.000455	0.000455	B.2.4-7b	0.00017
Piso 2	B30	817	5.25909	B.2.4-5b	0.000491	0.000491	B.2.4-7b	0.00017

Table: Concrete Beam Design Summary - ACI 318-08, Part 2 of 4

Story	Label	UniqueName	Station	AsBotCombo	AsMinBot	AsBot	VCombo	VRebar
Unitless	Unitless	Unitless	m	Unitless	m²	m²	Unitless	m²/m
Piso 2	B30	817	5.74091	B.2.4-5b	0.000515	0.000515	B.2.4-7b	0.00017
Piso 2	B30	817	6.22273	B.2.4-5b	0.000526	0.000526	B.2.4-7b	0.00017
Piso 2	B30	817	6.70455	B.2.4-7b	0.000536	0.000536	B.2.4-7b	0.00017
Piso 2	B30	817	7.18636	B.2.4-7b	0.000555	0.000555	B.2.4-7b	0.00017
Piso 2	B30	817	7.66818	B.2.4-7b	0.000565	0.000565	B.2.4-7b	0.00017
Piso 2	B30	817	8.15	B.2.4-5b	0.000674	0.000674	B.2.4-7b	0.00017
Piso 2	B31	16	0.25	B.2.4-5b	0.000477	0.000477	B.2.4-7b	0.00088
Piso 2	B31	16	0.525	B.2.4-5b	0.000439	0.000439	B.2.4-7b	0.00087
Piso 2	B31	16	0.8	B.2.4-5b	0.000439	0.000439	B.2.4-7b	0.00086
Piso 2	B31	16	0.8	B.2.4-5b	0.000432	0.000432	B.2.4-7b	0.00077
Piso 2	B31	16	1.2	B.2.4-5b	0.000432	0.000432	B.2.4-7b	0.00076
Piso 2	B31	16	1.6	B.2.4-5b	0.000432	0.000432	B.2.4-7b	0.00075
Piso 2	B31	16	1.6	B.2.4-5b	0.000422	0.000422	B.2.4-7b	0.00066
Piso 2	B31	16	2	B.2.4-5b	0.000422	0.000422	B.2.4-7b	0.00065
Piso 2	B31	16	2.4	B.2.4-5b	0.000422	0.000422	B.2.4-7b	0.00064
Piso 2	B31	16	2.4	B.2.4-5b	0.000412	0.000412	B.2.4-7b	0.00056
Piso 2	B31	16	2.8	B.2.4-5b	0.000412	0.000412	B.2.4-7b	0.00054
Piso 2	B31	16	3.2	B.2.4-5b	0.000412	0.000412	B.2.4-7b	0.00053
Piso 2	B31	16	3.2	B.2.4-5b	0.000409	0.000409	B.2.4-7b	0.0006
Piso 2	B31	16	3.6	B.2.4-5b	0.000409	0.000409	B.2.4-7b	0.00061
Piso 2	B31	16	4	B.2.4-5b	0.000409	0.000409	B.2.4-7b	0.00062
Piso 2	B31	16	4	B.2.4-5b	0.000385	0.000385	B.2.4-7b	0.00078
Piso 2	B31	16	4.4	B.2.4-5b	0.000385	0.000385	B.2.4-7b	0.00079
Piso 2	B31	16	4.8	B.2.4-5b	0.000385	0.000385	B.2.4-7b	0.0008
Piso 2	B31	16	4.8	B.2.4-5b	0.00039	0.00039	B.2.4-7b	0.00097
Piso 2	B31	16	5.3	B.2.4-5b	0.000773	0.000773	B.2.4-7b	0.00099
Piso 2	B32	825	0.3	B.2.4-5b	0.001205	0.001205	B.2.4-5b	0.00124
Piso 2	B32	825	0.6	B.2.4-5b	0.000773	0.000773	B.2.4-5b	0.00122
Piso 2	B32	825	0.6	B.2.4-5b	0.00078	0.00078	B.2.4-5b	0.00094
Piso 2	B32	825	1	B.2.4-5b	0.00078	0.00078	B.2.4-5b	0.00091
Piso 2	B32	825	1.4	B.2.4-5b	0.00078	0.00078	B.2.4-5b	0.00089
Piso 2	B32	825	1.4	B.2.4-5b	0.000794	0.000794	B.2.4-5b	0.00057
Piso 2	B32	825	1.8	B.2.4-5b	0.000794	0.000794	B.2.4-5b	0.00055
Piso 2	B32	825	2.2	B.2.4-2	0.001205	0.001205	B.2.4-5b	0.00052
Piso 2	B32	825	2.2	B.2.4-2	0.001205	0.001205	B.2.4-4b	0.0005
Piso 2	B32	825	2.6	B.2.4-2	0.001205	0.001215	B.2.4-4b	0.0005
Piso 2	B32	825	3	B.2.4-2	0.001205	0.001461	B.2.4-4b	0.0005
Piso 2	B32	825	3	B.2.4-2	0.001205	0.00146	B.2.4-7b	0.0005
Piso 2	B32	825	3.4	B.2.4-2	0.001205	0.001579	B.2.4-7b	0.0005
Piso 2	B32	825	3.8	B.2.4-2	0.001205	0.00169	B.2.4-7b	0.0005
Piso 2	B32	825	3.8	B.2.4-2	0.001205	0.00169	B.2.4-7b	0.0005
Piso 2	B32	825	4.2	B.2.4-2	0.001205	0.001671	B.2.4-7b	0.0005
Piso 2	B32	825	4.6	B.2.4-2	0.001205	0.001644	B.2.4-7b	0.0005
Piso 2	B32	825	4.6	B.2.4-2	0.001205	0.001644	B.2.4-7b	0.0005
Piso 2	B32	825	5	B.2.4-2	0.001205	0.001486	B.2.4-7b	0.0005
Piso 2	B32	825	5.4	B.2.4-5b	0.001205	0.001341	B.2.4-7b	0.0005
Piso 2	B32	825	5.4	B.2.4-5b	0.001205	0.001353	B.2.4-7b	0.0005

Table: Concrete Beam Design Summary - ACI 318-08, Part 2 of 4

Story	Label	UniqueName	Station	AsBotCombo	AsMinBot	AsBot	VCombo	VRebar
Unitless	Unitless	Unitless	m	Unitless	m²	m²	Unitless	m²/m
Piso 2	B32	825	5.8	B.2.4-5b	0.001205	0.001205	B.2.4-7b	0.0005
Piso 2	B32	825	6.2	B.2.4-5b	0.001205	0.001205	B.2.4-7b	0.0005
Piso 2	B32	825	6.2	B.2.4-5b	0.001205	0.001205	B.2.4-5b	0.00053
Piso 2	B32	825	6.6	B.2.4-5b	0.00091	0.00091	B.2.4-5b	0.00055
Piso 2	B32	825	7	B.2.4-5b	0.00091	0.00091	B.2.4-5b	0.00057
Piso 2	B32	825	7	B.2.4-5b	0.000927	0.000927	B.2.4-5b	0.0009
Piso 2	B32	825	7.4	B.2.4-5b	0.000927	0.000927	B.2.4-5b	0.00092
Piso 2	B32	825	7.8	B.2.4-5b	0.000927	0.000927	B.2.4-5b	0.00095
Piso 2	B32	825	7.8	B.2.4-5b	0.000939	0.000939	B.2.4-5b	0.00124
Piso 2	B32	825	8.1	B.2.4-5b	0.001205	0.001225	B.2.4-5b	0.00126
Piso 2	B35	837	0.25	B.2.4-5b	0.000492	0.000492	B.2.4-5b	0.00117
Piso 2	B35	837	0.45	B.2.4-7b	0.00044	0.00044	B.2.4-5b	0.00116
Piso 2	B35	837	0.45	B.2.4-7b	0.000405	0.000405	B.2.4-5b	0.00091
Piso 2	B35	837	0.8	B.2.4-5b	0.00042	0.00042	B.2.4-5b	0.00089
Piso 2	B35	837	0.8	B.2.4-5b	0.000405	0.000405	B.2.4-5b	0.0007
Piso 2	B35	837	0.91	B.2.4-5b	0.000409	0.000409	B.2.4-5b	0.00069
Piso 2	B35	837	0.91	B.2.4-5b	0.000402	0.000402	B.2.4-5b	0.00082
Piso 2	B35	837	1.37	B.2.4-5b	0.000426	0.000426	B.2.4-5b	0.00079
Piso 2	B35	837	1.37	B.2.4-5b	0.000436	0.000436	B.2.4-5b	0.00073
Piso 2	B35	837	1.6	B.2.4-5b	0.000437	0.000437	B.2.4-5b	0.00072
Piso 2	B35	837	1.6	B.2.4-5b	0.000421	0.000421	B.2.4-5b	0.00067
Piso 2	B35	837	1.83	B.2.4-5b	0.000409	0.000409	B.2.4-5b	0.00066
Piso 2	B35	837	1.83	B.2.4-5b	0.000437	0.000437	B.2.4-5b	0.00071
Piso 2	B35	837	2.115	B.2.4-5b	0.000351	0.000351	B.2.4-5b	0.00072
Piso 2	B35	837	2.4	B.2.4-5b	0.000368	0.000368	B.2.4-5b	0.00073
Piso 2	B35	837	2.4	B.2.4-5b	0.000352	0.000352	B.2.4-5b	0.0008
Piso 2	B35	837	2.8	B.2.4-5b	0.000394	0.000394	B.2.4-5b	0.00082
Piso 2	B35	837	3.2	B.2.4-5b	0.000429	0.000429	B.2.4-5b	0.00084
Piso 2	B35	837	3.2	B.2.4-5b	0.000415	0.000415	B.2.4-5b	0.0009
Piso 2	B35	837	3.5	B.2.4-7b	0.00042	0.00042	B.2.4-5b	0.00091
Piso 2	B35	837	3.8	B.2.4-7b	0.000452	0.000452	B.2.4-5b	0.00093
Piso 2	B36	18	0.25	B.2.4-5b	0.000425	0.000425	B.2.4-7b	0.00056
Piso 2	B36	18	0.71875	B.2.4-5b	0.000372	0.000372	B.2.4-7b	0.00055
Piso 2	B36	18	1.1875	B.2.4-5b	0.000372	0.000372	B.2.4-7b	0.00053
Piso 2	B36	18	1.65625	B.2.4-5b	0.000372	0.000372	B.2.4-7b	0.00052
Piso 2	B36	18	2.125	B.2.4-5b	0.000372	0.000372	B.2.4-7b	0.0005
Piso 2	B36	18	2.59375	B.2.4-5b	0.000372	0.000372	B.2.4-7b	0.00049
Piso 2	B36	18	3.0625	B.2.4-5b	0.000372	0.000372	B.2.4-7b	0.00048
Piso 2	B36	18	3.53125	B.2.4-5b	0.000372	0.000372	B.2.4-7b	0.00046
Piso 2	B36	18	4	B.2.4-5b	0.000434	0.000434	B.2.4-7b	0.00045
Piso 2	B36	18	4	B.2.4-5b	0.000369	0.000369	B.2.4-7b	0.00056
Piso 2	B36	18	4.4	B.2.4-7b	0.000363	0.000363	B.2.4-7b	0.00057
Piso 2	B36	18	4.8	B.2.4-7b	0.000354	0.000354	B.2.4-7b	0.00058
Piso 2	B36	18	4.8	B.2.4-7b	0.000367	0.000367	B.2.4-7b	0.00075
Piso 2	B36	18	5.3	B.2.4-5b	0.000598	0.000598	B.2.4-7b	0.00077
Piso 2	B37	845	0.3	B.2.4-5b	0.001205	0.001205	B.2.4-5b	0.00081
Piso 2	B37	845	0.6	B.2.4-5b	0.000765	0.000765	B.2.4-5b	0.00079

Table: Concrete Beam Design Summary - ACI 318-08, Part 2 of 4

Story	Label	UniqueName	Station	AsBotCombo	AsMinBot	AsBot	VCombo	VRebar
Unitless	Unitless	Unitless	m	Unitless	m²	m²	Unitless	m²/m
Piso 2	B37	845	0.6	B.2.4-5b	0.000782	0.000782	B.2.4-5b	0.00054
Piso 2	B37	845	1	B.2.4-5b	0.000782	0.000782	B.2.4-5b	0.00051
Piso 2	B37	845	1.4	B.2.4-5b	0.000782	0.000782	B.2.4-6b	0.0005
Piso 2	B37	845	1.4	B.2.4-5b	0.000805	0.000805	B.2.4-4b	0.0005
Piso 2	B37	845	1.8	B.2.4-5b	0.000928	0.000928	B.2.4-4b	0.0005
Piso 2	B37	845	2.2	B.2.4-5b	0.001205	0.001205	B.2.4-4b	0.0005
Piso 2	B37	845	2.2	B.2.4-5b	0.001205	0.001205	B.2.4-2	0.00022
Piso 2	B37	845	2.6	B.2.4-5b	0.001205	0.001205	B.2.4-2	0.00022
Piso 2	B37	845	3	B.2.4-5b	0.001205	0.001205	B.2.4-2	0.00022
Piso 2	B37	845	3	B.2.4-5b	0.001205	0.001205	B.2.4-1	0.00023
Piso 2	B37	845	3.4	B.2.4-2	0.001205	0.001225	B.2.4-1	0.00023
Piso 2	B37	845	3.8	B.2.4-2	0.001205	0.00129	B.2.4-1	0.00023
Piso 2	B37	845	3.8	B.2.4-2	0.001205	0.001293	B.2.4-7b	0.0005
Piso 2	B37	845	4.25	B.2.4-2	0.001205	0.001252	B.2.4-7b	0.0005
Piso 2	B37	845	4.25	B.2.4-2	0.001205	0.001279	B.2.4-6b	0.00018
Piso 2	B37	845	4.6	B.2.4-2	0.001205	0.001214	B.2.4-6b	0.00018
Piso 2	B37	845	4.6	B.2.4-2	0.001205	0.001216	B.2.4-2	0.00024
Piso 2	B37	845	5	B.2.4-5b	0.001205	0.001205	B.2.4-2	0.00024
Piso 2	B37	845	5.4	B.2.4-5b	0.001205	0.001205	B.2.4-2	0.00024
Piso 2	B37	845	5.4	B.2.4-5b	0.001205	0.001205	B.2.4-7b	0.00025
Piso 2	B37	845	5.8	B.2.4-5b	0.001205	0.001205	B.2.4-7b	0.00025
Piso 2	B37	845	6.2	B.2.4-5b	0.001074	0.001074	B.2.4-7b	0.00025
Piso 2	B37	845	6.2	B.2.4-5b	0.001088	0.001088	B.2.4-1	0.00023
Piso 2	B37	845	6.6	B.2.4-5b	0.000985	0.000985	B.2.4-1	0.00023
Piso 2	B37	845	7	B.2.4-5b	0.000985	0.000985	B.2.4-1	0.00023
Piso 2	B37	845	7	B.2.4-5b	0.000998	0.000998	B.2.4-5b	0.00027
Piso 2	B37	845	7.4	B.2.4-5b	0.000998	0.000998	B.2.4-5b	0.0003
Piso 2	B37	845	7.8	B.2.4-5b	0.000998	0.000998	B.2.4-5b	0.00032
Piso 2	B37	845	7.8	B.2.4-5b	0.001007	0.001007	B.2.4-5b	0.00044
Piso 2	B37	845	8.1	B.2.4-5b	0.001205	0.001205	B.2.4-5b	0.00046
Piso 2	B40	857	0.25	B.2.4-7b	0.000452	0.000452	B.2.4-5b	0.00049
Piso 2	B40	857	0.73333	B.2.4-7b	0.000416	0.000416	B.2.4-5b	0.00046
Piso 2	B40	857	1.21667	B.2.4-5b	0.000382	0.000382	B.2.4-5b	0.00044
Piso 2	B40	857	1.7	B.2.4-5b	0.000343	0.000343	B.2.4-5b	0.00042
Piso 2	B40	857	2.18333	B.2.4-5b	0.000292	0.000292	B.2.4-5b	0.00039
Piso 2	B40	857	2.66667	B.2.4-5b	0.00025	0.00025	B.2.4-5b	0.00037
Piso 2	B40	857	3.15	B.2.4-5b	0.000335	0.000335	B.2.4-5b	0.00035
Piso 2	B40	857	3.15	B.2.4-5b	0.000282	0.000282	B.2.4-5b	0.00037
Piso 2	B40	857	3.575	B.2.4-5b	0.000277	0.000277	B.2.4-5b	0.00039
Piso 2	B40	857	4	B.2.4-5b	0.000293	0.000293	B.2.4-5b	0.00041
Piso 2	B40	857	4.425	B.2.4-5b	0.000303	0.000303	B.2.4-5b	0.00043
Piso 2	B40	857	4.85	B.2.4-7b	0.000316	0.000316	B.2.4-5b	0.00046
Piso 2	B40	857	5.275	B.2.4-7b	0.000334	0.000334	B.2.4-5b	0.00048
Piso 2	B40	857	5.7	B.2.4-5b	0.000391	0.000391	B.2.4-5b	0.0005
Piso 2	B41	861	0.3	B.2.4-7b	0.000392	0.000392	B.2.4-5b	0.00047
Piso 2	B41	861	0.79091	B.2.4-7b	0.000368	0.000368	B.2.4-5b	0.00044
Piso 2	B41	861	1.28182	B.2.4-5b	0.000336	0.000336	B.2.4-5b	0.0004

Table: Concrete Beam Design Summary - ACI 318-08, Part 2 of 4

Story	Label	UniqueName	Station	AsBotCombo	AsMinBot	AsBot	VCombo	VRebar
Unitless	Unitless	Unitless	m	Unitless	m²	m²	Unitless	m²/m
Piso 2	B41	861	1.77273	B.2.4-5b	0.000306	0.000306	B.2.4-5b	0.00036
Piso 2	B41	861	2.26364	B.2.4-5b	0.000257	0.000257	B.2.4-5b	0.00033
Piso 2	B41	861	2.75455	B.2.4-5b	0.000187	0.000187	B.2.4-5b	0.00029
Piso 2	B41	861	3.24545	B.2.4-5b	0.000187	0.000187	B.2.4-5b	0.00029
Piso 2	B41	861	3.73636	B.2.4-5b	0.000255	0.000255	B.2.4-5b	0.00033
Piso 2	B41	861	4.22727	B.2.4-5b	0.000303	0.000303	B.2.4-5b	0.00036
Piso 2	B41	861	4.71818	B.2.4-5b	0.000331	0.000331	B.2.4-5b	0.0004
Piso 2	B41	861	5.20909	B.2.4-7b	0.000366	0.000366	B.2.4-5b	0.00044
Piso 2	B41	861	5.7	B.2.4-7b	0.00039	0.00039	B.2.4-5b	0.00047
Piso 2	B42	865	0.3	B.2.4-7b	0.000382	0.000382	B.2.4-5b	0.00047
Piso 2	B42	865	0.79091	B.2.4-7b	0.000358	0.000358	B.2.4-5b	0.00043
Piso 2	B42	865	1.28182	B.2.4-5b	0.000323	0.000323	B.2.4-5b	0.00039
Piso 2	B42	865	1.77273	B.2.4-5b	0.000294	0.000294	B.2.4-5b	0.00036
Piso 2	B42	865	2.26364	B.2.4-5b	0.000244	0.000244	B.2.4-5b	0.00032
Piso 2	B42	865	2.75455	B.2.4-5b	0.000175	0.000175	B.2.4-5b	0.00028
Piso 2	B42	865	3.24545	B.2.4-5b	0.000175	0.000175	B.2.4-5b	0.00028
Piso 2	B42	865	3.73636	B.2.4-5b	0.000244	0.000244	B.2.4-5b	0.00032
Piso 2	B42	865	4.22727	B.2.4-5b	0.000293	0.000293	B.2.4-5b	0.00036
Piso 2	B42	865	4.71818	B.2.4-5b	0.000322	0.000322	B.2.4-5b	0.00039
Piso 2	B42	865	5.20909	B.2.4-7b	0.000357	0.000357	B.2.4-5b	0.00043
Piso 2	B42	865	5.7	B.2.4-7b	0.000381	0.000381	B.2.4-5b	0.00047
Piso 2	B43	869	0.3	B.2.4-7b	0.00038	0.00038	B.2.4-5b	0.00047
Piso 2	B43	869	0.79091	B.2.4-7b	0.000355	0.000355	B.2.4-5b	0.00043
Piso 2	B43	869	1.28182	B.2.4-7b	0.000318	0.000318	B.2.4-5b	0.00039
Piso 2	B43	869	1.77273	B.2.4-5b	0.000287	0.000287	B.2.4-5b	0.00036
Piso 2	B43	869	2.26364	B.2.4-5b	0.000237	0.000237	B.2.4-5b	0.00032
Piso 2	B43	869	2.75455	B.2.4-5b	0.000172	0.000172	B.2.4-5b	0.00029
Piso 2	B43	869	3.24545	B.2.4-5b	0.000172	0.000172	B.2.4-5b	0.00029
Piso 2	B43	869	3.73636	B.2.4-5b	0.000238	0.000238	B.2.4-5b	0.00032
Piso 2	B43	869	4.22727	B.2.4-5b	0.000287	0.000287	B.2.4-5b	0.00036
Piso 2	B43	869	4.71818	B.2.4-7b	0.000318	0.000318	B.2.4-5b	0.00039
Piso 2	B43	869	5.20909	B.2.4-7b	0.000355	0.000355	B.2.4-5b	0.00043
Piso 2	B43	869	5.7	B.2.4-7b	0.000379	0.000379	B.2.4-5b	0.00047
Piso 2	B46	881	0.3	B.2.4-7b	0.00041	0.00041	B.2.4-5b	0.0005
Piso 2	B46	881	0.79091	B.2.4-7b	0.000386	0.000386	B.2.4-5b	0.00046
Piso 2	B46	881	1.28182	B.2.4-5b	0.000357	0.000357	B.2.4-5b	0.00042
Piso 2	B46	881	1.77273	B.2.4-5b	0.000333	0.000333	B.2.4-5b	0.00039
Piso 2	B46	881	2.26364	B.2.4-5b	0.000287	0.000287	B.2.4-5b	0.00034
Piso 2	B46	881	2.75455	B.2.4-5b	0.000219	0.000219	B.2.4-5b	0.0003
Piso 2	B46	881	3.24545	B.2.4-5b	0.000218	0.000218	B.2.4-5b	0.0003
Piso 2	B46	881	3.73636	B.2.4-5b	0.000286	0.000286	B.2.4-5b	0.00034
Piso 2	B46	881	4.22727	B.2.4-5b	0.000331	0.000331	B.2.4-5b	0.00039
Piso 2	B46	881	4.71818	B.2.4-5b	0.000355	0.000355	B.2.4-5b	0.00042
Piso 2	B46	881	5.20909	B.2.4-7b	0.000384	0.000384	B.2.4-5b	0.00046
Piso 2	B46	881	5.7	B.2.4-7b	0.000408	0.000408	B.2.4-5b	0.0005
Piso 2	B47	885	0.3	B.2.4-7b	0.000408	0.000408	B.2.4-5b	0.00048
Piso 2	B47	885	0.79091	B.2.4-7b	0.000385	0.000385	B.2.4-5b	0.00044

Table: Concrete Beam Design Summary - ACI 318-08, Part 2 of 4

Story	Label	UniqueName	Station	AsBotCombo	AsMinBot	AsBot	VCombo	VRebar
Unitless	Unitless	Unitless	m	Unitless	m²	m²	Unitless	m²/m
Piso 2	B47	885	1.28182	B.2.4-7b	0.000349	0.000349	B.2.4-5b	0.00041
Piso 2	B47	885	1.77273	B.2.4-5b	0.000315	0.000315	B.2.4-5b	0.00037
Piso 2	B47	885	2.26364	B.2.4-5b	0.000268	0.000268	B.2.4-5b	0.00033
Piso 2	B47	885	2.75455	B.2.4-5b	0.000206	0.000206	B.2.4-5b	0.0003
Piso 2	B47	885	3.24545	B.2.4-5b	0.000206	0.000206	B.2.4-5b	0.0003
Piso 2	B47	885	3.73636	B.2.4-5b	0.000264	0.000264	B.2.4-5b	0.00033
Piso 2	B47	885	4.22727	B.2.4-5b	0.000312	0.000312	B.2.4-5b	0.00037
Piso 2	B47	885	4.71818	B.2.4-5b	0.00034	0.00034	B.2.4-5b	0.00041
Piso 2	B47	885	5.20909	B.2.4-7b	0.000374	0.000374	B.2.4-5b	0.00044
Piso 2	B47	885	5.7	B.2.4-7b	0.000396	0.000396	B.2.4-5b	0.00048
Piso 2	B48	889	0.3	B.2.4-7b	0.000412	0.000412	B.2.4-5b	0.00043
Piso 2	B48	889	0.5	B.2.4-7b	0.000399	0.000399	B.2.4-5b	0.00042
Piso 2	B48	889	0.5	B.2.4-7b	0.000399	0.000399	B.2.4-5b	0.00042
Piso 2	B48	889	1	B.2.4-7b	0.000358	0.000358	B.2.4-5b	0.00039
Piso 2	B48	889	1	B.2.4-7b	0.000359	0.000359	B.2.4-5b	0.00039
Piso 2	B48	889	1.5	B.2.4-5b	0.000322	0.000322	B.2.4-5b	0.00036
Piso 2	B48	889	1.5	B.2.4-5b	0.000323	0.000323	B.2.4-5b	0.00036
Piso 2	B48	889	2	B.2.4-5b	0.000276	0.000276	B.2.4-5b	0.00033
Piso 2	B48	889	2	B.2.4-5b	0.000278	0.000278	B.2.4-5b	0.00033
Piso 2	B48	889	2.5	B.2.4-5b	0.000215	0.000215	B.2.4-5b	0.0003
Piso 2	B48	889	2.5	B.2.4-5b	0.000216	0.000216	B.2.4-5b	0.0003
Piso 2	B48	889	3	B.2.4-5b	0.000188	0.000188	B.2.4-5b	0.00027
Piso 2	B48	889	3	B.2.4-5b	0.000189	0.000189	B.2.4-5b	0.00027
Piso 2	B48	889	3.5	B.2.4-5b	0.000211	0.000211	B.2.4-5b	0.0003
Piso 2	B48	889	3.5	B.2.4-5b	0.000213	0.000213	B.2.4-5b	0.0003
Piso 2	B48	889	4	B.2.4-5b	0.000273	0.000273	B.2.4-5b	0.00033
Piso 2	B48	889	4	B.2.4-5b	0.000275	0.000275	B.2.4-5b	0.00033
Piso 2	B48	889	4.5	B.2.4-5b	0.000318	0.000318	B.2.4-5b	0.00036
Piso 2	B48	889	4.5	B.2.4-5b	0.00032	0.00032	B.2.4-5b	0.00036
Piso 2	B48	889	5	B.2.4-7b	0.000361	0.000361	B.2.4-5b	0.00039
Piso 2	B48	889	5	B.2.4-7b	0.000363	0.000363	B.2.4-5b	0.00039
Piso 2	B48	889	5.5	B.2.4-7b	0.000402	0.000402	B.2.4-5b	0.00042
Piso 2	B48	889	5.5	B.2.4-7b	0.000403	0.000403	B.2.4-5b	0.00042
Piso 2	B48	889	5.7	B.2.4-7b	0.000416	0.000416	B.2.4-5b	0.00043
Piso 2	B49	893	0.3	B.2.4-7b	0.000379	0.000379	B.2.4-5b	0.00042
Piso 2	B49	893	0.5	B.2.4-7b	0.000368	0.000368	B.2.4-5b	0.00041
Piso 2	B49	893	0.5	B.2.4-7b	0.000369	0.000369	B.2.4-5b	0.00041
Piso 2	B49	893	1	B.2.4-7b	0.000333	0.000333	B.2.4-5b	0.00038
Piso 2	B49	893	1	B.2.4-7b	0.000334	0.000334	B.2.4-5b	0.00038
Piso 2	B49	893	1.5	B.2.4-5b	0.000299	0.000299	B.2.4-5b	0.00035
Piso 2	B49	893	1.5	B.2.4-5b	0.0003	0.0003	B.2.4-5b	0.00035
Piso 2	B49	893	2	B.2.4-5b	0.00026	0.00026	B.2.4-5b	0.00032
Piso 2	B49	893	2	B.2.4-5b	0.000261	0.000261	B.2.4-5b	0.00032
Piso 2	B49	893	2.5	B.2.4-5b	0.000205	0.000205	B.2.4-5b	0.00029
Piso 2	B49	893	2.5	B.2.4-5b	0.000206	0.000206	B.2.4-5b	0.00029
Piso 2	B49	893	3	B.2.4-5b	0.000173	0.000173	B.2.4-5b	0.00026
Piso 2	B49	893	3	B.2.4-5b	0.000175	0.000175	B.2.4-5b	0.00026

Table: Concrete Beam Design Summary - ACI 318-08, Part 2 of 4

Story	Label	UniqueName	Station	AsBotCombo	AsMinBot	AsBot	VCombo	VRebar
Unitless	Unitless	Unitless	m	Unitless	m²	m²	Unitless	m²/m
Piso 2	B49	893	3.5	B.2.4-5b	0.000205	0.000205	B.2.4-5b	0.00029
Piso 2	B49	893	3.5	B.2.4-5b	0.000206	0.000206	B.2.4-5b	0.00029
Piso 2	B49	893	4	B.2.4-5b	0.000267	0.000267	B.2.4-5b	0.00032
Piso 2	B49	893	4	B.2.4-5b	0.000269	0.000269	B.2.4-5b	0.00032
Piso 2	B49	893	4.5	B.2.4-5b	0.000314	0.000314	B.2.4-5b	0.00035
Piso 2	B49	893	4.5	B.2.4-5b	0.000316	0.000316	B.2.4-5b	0.00035
Piso 2	B49	893	5	B.2.4-7b	0.000347	0.000347	B.2.4-5b	0.00038
Piso 2	B49	893	5	B.2.4-7b	0.000349	0.000349	B.2.4-5b	0.00038
Piso 2	B49	893	5.5	B.2.4-7b	0.000387	0.000387	B.2.4-5b	0.00041
Piso 2	B49	893	5.5	B.2.4-7b	0.000388	0.000388	B.2.4-5b	0.00041
Piso 2	B49	893	5.7	B.2.4-7b	0.0004	0.0004	B.2.4-5b	0.00042
Piso 2	B50	897	0.25	B.2.4-7b	0.00037	0.00037	B.2.4-5b	0.00052
Piso 2	B50	897	0.5	B.2.4-7b	0.000348	0.000348	B.2.4-5b	0.00051
Piso 2	B50	897	0.5	B.2.4-7b	0.000343	0.000343	B.2.4-5b	0.00042
Piso 2	B50	897	1	B.2.4-5b	0.000324	0.000324	B.2.4-5b	0.0004
Piso 2	B50	897	1	B.2.4-5b	0.000326	0.000326	B.2.4-5b	0.00039
Piso 2	B50	897	1.5	B.2.4-5b	0.000312	0.000312	B.2.4-5b	0.00037
Piso 2	B50	897	1.5	B.2.4-5b	0.000313	0.000313	B.2.4-5b	0.00035
Piso 2	B50	897	2	B.2.4-5b	0.00028	0.00028	B.2.4-5b	0.00033
Piso 2	B50	897	2	B.2.4-5b	0.00028	0.00028	B.2.4-5b	0.00031
Piso 2	B50	897	2.5	B.2.4-5b	0.000228	0.000228	B.2.4-5b	0.0003
Piso 2	B50	897	2.5	B.2.4-5b	0.000226	0.000226	B.2.4-5b	0.00028
Piso 2	B50	897	3	B.2.4-5b	0.000181	0.000181	B.2.4-5b	0.00026
Piso 2	B50	897	3	B.2.4-5b	0.000183	0.000183	B.2.4-5b	0.00027
Piso 2	B50	897	3.5	B.2.4-5b	0.000189	0.000189	B.2.4-5b	0.00029
Piso 2	B50	897	3.5	B.2.4-5b	0.000193	0.000193	B.2.4-5b	0.00031
Piso 2	B50	897	4	B.2.4-5b	0.000218	0.000218	B.2.4-5b	0.00032
Piso 2	B50	897	4	B.2.4-5b	0.000221	0.000221	B.2.4-5b	0.00034
Piso 2	B50	897	4.5	B.2.4-7b	0.00023	0.00023	B.2.4-5b	0.00036
Piso 2	B50	897	4.5	B.2.4-7b	0.000234	0.000234	B.2.4-5b	0.00037
Piso 2	B50	897	5	B.2.4-7b	0.000247	0.000247	B.2.4-5b	0.00039
Piso 2	B50	897	5	B.2.4-7b	0.000251	0.000251	B.2.4-5b	0.0004
Piso 2	B50	897	5.5	B.2.4-7b	0.000258	0.000258	B.2.4-5b	0.00042
Piso 2	B50	897	5.5	B.2.4-7b	0.000258	0.000258	B.2.4-5b	0.00041
Piso 2	B50	897	5.7	B.2.4-5b	0.000351	0.000351	B.2.4-5b	0.00041
Piso 2	B51	901	0.3	B.2.4-7b	0.000313	0.000313	B.2.4-5b	0.0004
Piso 2	B51	901	0.5	B.2.4-7b	0.000307	0.000307	B.2.4-5b	0.00039
Piso 2	B51	901	0.5	B.2.4-7b	0.000308	0.000308	B.2.4-5b	0.00039
Piso 2	B51	901	1	B.2.4-5b	0.000286	0.000286	B.2.4-5b	0.00036
Piso 2	B51	901	1	B.2.4-5b	0.000286	0.000286	B.2.4-5b	0.00036
Piso 2	B51	901	1.5	B.2.4-5b	0.000276	0.000276	B.2.4-5b	0.00033
Piso 2	B51	901	1.5	B.2.4-5b	0.000274	0.000274	B.2.4-5b	0.00033
Piso 2	B51	901	2	B.2.4-5b	0.000245	0.000245	B.2.4-5b	0.0003
Piso 2	B51	901	2	B.2.4-5b	0.000245	0.000245	B.2.4-5b	0.00029
Piso 2	B51	901	2.5	B.2.4-5b	0.000197	0.000197	B.2.4-5b	0.00026
Piso 2	B51	901	2.5	B.2.4-5b	0.000198	0.000198	B.2.4-5b	0.00026
Piso 2	B51	901	3	B.2.4-2	0.000142	0.000142	B.2.4-7b	0.00025

Table: Concrete Beam Design Summary - ACI 318-08, Part 2 of 4

Story	Label	UniqueName	Station	AsBotCombo	AsMinBot	AsBot	VCombo	VRebar
Unitless	Unitless	Unitless	m	Unitless	m²	m²	Unitless	m²/m
Piso 2	B51	901	3	B.2.4-2	0.000142	0.000142	B.2.4-7b	0.00025
Piso 2	B51	901	3.5	B.2.4-5b	0.000177	0.000177	B.2.4-5b	0.00026
Piso 2	B51	901	3.5	B.2.4-5b	0.00018	0.00018	B.2.4-5b	0.00026
Piso 2	B51	901	4	B.2.4-5b	0.000213	0.000213	B.2.4-5b	0.00029
Piso 2	B51	901	4	B.2.4-5b	0.000217	0.000217	B.2.4-5b	0.0003
Piso 2	B51	901	4.5	B.2.4-5b	0.000232	0.000232	B.2.4-5b	0.00033
Piso 2	B51	901	4.5	B.2.4-5b	0.000235	0.000235	B.2.4-5b	0.00033
Piso 2	B51	901	5	B.2.4-7b	0.000252	0.000252	B.2.4-5b	0.00036
Piso 2	B51	901	5	B.2.4-7b	0.000253	0.000253	B.2.4-5b	0.00036
Piso 2	B51	901	5.5	B.2.4-7b	0.000267	0.000267	B.2.4-5b	0.00039
Piso 2	B51	901	5.5	B.2.4-7b	0.000265	0.000265	B.2.4-5b	0.00039
Piso 2	B51	901	5.7	B.2.4-5b	0.000287	0.000287	B.2.4-5b	0.0004
Piso 2	B52	905	0.3	B.2.4-5b	0.000303	0.000303	B.2.4-5b	0.00041
Piso 2	B52	905	0.5	B.2.4-7b	0.000297	0.000297	B.2.4-5b	0.0004
Piso 2	B52	905	0.5	B.2.4-7b	0.000298	0.000298	B.2.4-5b	0.00039
Piso 2	B52	905	1	B.2.4-7b	0.000283	0.000283	B.2.4-5b	0.00036
Piso 2	B52	905	1	B.2.4-7b	0.000282	0.000282	B.2.4-5b	0.00036
Piso 2	B52	905	1.5	B.2.4-5b	0.000267	0.000267	B.2.4-5b	0.00033
Piso 2	B52	905	1.5	B.2.4-5b	0.000264	0.000264	B.2.4-5b	0.00033
Piso 2	B52	905	2	B.2.4-5b	0.000246	0.000246	B.2.4-5b	0.0003
Piso 2	B52	905	2	B.2.4-5b	0.000244	0.000244	B.2.4-5b	0.0003
Piso 2	B52	905	2.5	B.2.4-5b	0.000207	0.000207	B.2.4-5b	0.00027
Piso 2	B52	905	2.5	B.2.4-5b	0.000205	0.000205	B.2.4-5b	0.00026
Piso 2	B52	905	3	B.2.4-5b	0.000163	0.000163	B.2.4-7b	0.00025
Piso 2	B52	905	3	B.2.4-5b	0.000161	0.000161	B.2.4-7b	0.00025
Piso 2	B52	905	3.5	B.2.4-5b	0.000222	0.000222	B.2.4-5b	0.00026
Piso 2	B52	905	3.5	B.2.4-5b	0.00022	0.00022	B.2.4-5b	0.00027
Piso 2	B52	905	4	B.2.4-5b	0.000265	0.000265	B.2.4-5b	0.0003
Piso 2	B52	905	4	B.2.4-5b	0.000263	0.000263	B.2.4-5b	0.0003
Piso 2	B52	905	4.5	B.2.4-5b	0.00029	0.00029	B.2.4-5b	0.00033
Piso 2	B52	905	4.5	B.2.4-5b	0.000289	0.000289	B.2.4-5b	0.00033
Piso 2	B52	905	5	B.2.4-7b	0.000299	0.000299	B.2.4-5b	0.00036
Piso 2	B52	905	5	B.2.4-7b	0.000299	0.000299	B.2.4-5b	0.00036
Piso 2	B52	905	5.5	B.2.4-7b	0.00032	0.00032	B.2.4-5b	0.00039
Piso 2	B52	905	5.5	B.2.4-7b	0.000323	0.000323	B.2.4-5b	0.0004
Piso 2	B52	905	5.7	B.2.4-7b	0.000328	0.000328	B.2.4-5b	0.00041
Piso 2	B53	909	0.3	B.2.4-7b	0.000406	0.000406	B.2.4-5b	0.00035
Piso 2	B53	909	0.79091	B.2.4-7b	0.000368	0.000368	B.2.4-5b	0.00033
Piso 2	B53	909	1.28182	B.2.4-7b	0.000323	0.000323	B.2.4-5b	0.00032
Piso 2	B53	909	1.77273	B.2.4-7b	0.000272	0.000272	B.2.4-5b	0.0003
Piso 2	B53	909	2.26364	B.2.4-5b	0.00022	0.00022	B.2.4-5b	0.00029
Piso 2	B53	909	2.75455	B.2.4-5b	0.00022	0.00022	B.2.4-5b	0.00027
Piso 2	B53	909	3.24545	B.2.4-5b	0.00022	0.00022	B.2.4-5b	0.00027
Piso 2	B53	909	3.73636	B.2.4-5b	0.000231	0.000231	B.2.4-5b	0.00029
Piso 2	B53	909	4.22727	B.2.4-5b	0.000289	0.000289	B.2.4-5b	0.0003
Piso 2	B53	909	4.71818	B.2.4-7b	0.000343	0.000343	B.2.4-5b	0.00032
Piso 2	B53	909	5.20909	B.2.4-7b	0.000392	0.000392	B.2.4-5b	0.00033

Table: Concrete Beam Design Summary - ACI 318-08, Part 2 of 4

Story	Label	UniqueName	Station	AsBotCombo	AsMinBot	AsBot	VCombo	VRebar
Unitless	Unitless	Unitless	m	Unitless	m²	m²	Unitless	m²/m
Piso 2	B53	909	5.7	B.2.4-7b	0.000435	0.000435	B.2.4-5b	0.00035
Piso 2	B59	933	0.3	B.2.4-5b	0.000291	0.000291	B.2.4-5b	0.0004
Piso 2	B59	933	0.5	B.2.4-7b	0.000241	0.000241	B.2.4-5b	0.00039
Piso 2	B59	933	0.5	B.2.4-7b	0.000242	0.000242	B.2.4-5b	0.0004
Piso 2	B59	933	1	B.2.4-7b	0.000243	0.000243	B.2.4-5b	0.00038
Piso 2	B59	933	1	B.2.4-7b	0.000244	0.000244	B.2.4-5b	0.00037
Piso 2	B59	933	1.5	B.2.4-5b	0.000243	0.000243	B.2.4-5b	0.00035
Piso 2	B59	933	1.5	B.2.4-5b	0.000243	0.000243	B.2.4-5b	0.00033
Piso 2	B59	933	2	B.2.4-5b	0.000239	0.000239	B.2.4-5b	0.00031
Piso 2	B59	933	2	B.2.4-5b	0.000239	0.000239	B.2.4-5b	0.00029
Piso 2	B59	933	2.5	B.2.4-5b	0.000213	0.000213	B.2.4-5b	0.00027
Piso 2	B59	933	2.5	B.2.4-5b	0.000212	0.000212	B.2.4-5b	0.00026
Piso 2	B59	933	3	B.2.4-2	0.000173	0.000173	B.2.4-7b	0.00025
Piso 2	B59	933	3	B.2.4-2	0.000173	0.000173	B.2.4-7b	0.00025
Piso 2	B59	933	3.5	B.2.4-5b	0.000215	0.000215	B.2.4-5b	0.00025
Piso 2	B59	933	3.5	B.2.4-5b	0.000219	0.000219	B.2.4-5b	0.00027
Piso 2	B59	933	4	B.2.4-5b	0.00025	0.00025	B.2.4-5b	0.00029
Piso 2	B59	933	4	B.2.4-5b	0.000253	0.000253	B.2.4-5b	0.00031
Piso 2	B59	933	4.5	B.2.4-5b	0.000262	0.000262	B.2.4-5b	0.00033
Piso 2	B59	933	4.5	B.2.4-5b	0.000263	0.000263	B.2.4-5b	0.00034
Piso 2	B59	933	5	B.2.4-7b	0.00026	0.00026	B.2.4-5b	0.00037
Piso 2	B59	933	5	B.2.4-7b	0.000261	0.000261	B.2.4-5b	0.00038
Piso 2	B59	933	5.5	B.2.4-7b	0.000263	0.000263	B.2.4-5b	0.0004
Piso 2	B59	933	5.5	B.2.4-7b	0.000262	0.000262	B.2.4-5b	0.00041
Piso 2	B59	933	5.7	B.2.4-5b	0.000294	0.000294	B.2.4-5b	0.00042
Piso 2	B62	945	0.25	B.2.4-5b	0.000555	0.000555	B.2.4-5b	0.00049
Piso 2	B62	945	0.5	B.2.4-7b	0.000519	0.000519	B.2.4-5b	0.00049
Piso 2	B62	945	0.5	B.2.4-7b	0.000503	0.000503	B.2.4-5b	0.00048
Piso 2	B62	945	1	B.2.4-5b	0.000514	0.000514	B.2.4-5b	0.00045
Piso 2	B62	945	1	B.2.4-5b	0.000492	0.000492	B.2.4-5b	0.00045
Piso 2	B62	945	1.5	B.2.4-5b	0.000501	0.000501	B.2.4-5b	0.00041
Piso 2	B62	945	1.5	B.2.4-5b	0.000475	0.000475	B.2.4-5b	0.00041
Piso 2	B62	945	2	B.2.4-5b	0.000466	0.000466	B.2.4-5b	0.00038
Piso 2	B62	945	2	B.2.4-5b	0.000438	0.000438	B.2.4-5b	0.00038
Piso 2	B62	945	2.5	B.2.4-5b	0.000409	0.000409	B.2.4-5b	0.00035
Piso 2	B62	945	2.5	B.2.4-5b	0.000381	0.000381	B.2.4-5b	0.00035
Piso 2	B62	945	3	B.2.4-5b	0.000351	0.000351	B.2.4-5b	0.00032
Piso 2	B62	945	3	B.2.4-5b	0.000323	0.000323	B.2.4-7b	0.00032
Piso 2	B62	945	3.5	B.2.4-5b	0.000355	0.000355	B.2.4-5b	0.00035
Piso 2	B62	945	3.5	B.2.4-5b	0.000327	0.000327	B.2.4-5b	0.00035
Piso 2	B62	945	4	B.2.4-5b	0.000343	0.000343	B.2.4-5b	0.00038
Piso 2	B62	945	4	B.2.4-5b	0.000314	0.000314	B.2.4-5b	0.00038
Piso 2	B62	945	4.5	B.2.4-7b	0.000319	0.000319	B.2.4-5b	0.00041
Piso 2	B62	945	4.5	B.2.4-7b	0.000291	0.000291	B.2.4-5b	0.00041
Piso 2	B62	945	5	B.2.4-7b	0.000295	0.000295	B.2.4-5b	0.00045
Piso 2	B62	945	5	B.2.4-7b	0.00027	0.00027	B.2.4-5b	0.00045
Piso 2	B62	945	5.5	B.2.4-7b	0.000262	0.000262	B.2.4-5b	0.00048

Table: Concrete Beam Design Summary - ACI 318-08, Part 2 of 4

Story	Label	UniqueName	Station	AsBotCombo	AsMinBot	AsBot	VCombo	VRebar
Unitless	Unitless	Unitless	m	Unitless	m²	m²	Unitless	m²/m
Piso 2	B62	945	5.5	B.2.4-7b	0.000244	0.000244	B.2.4-5b	0.00048
Piso 2	B62	945	5.75	B.2.4-5b	0.000312	0.000312	B.2.4-5b	0.00049
Piso 2	B63	949	0.25	B.2.4-5b	0.000263	0.000263	B.2.4-7b	0.00042
Piso 2	B63	949	0.5	B.2.4-7b	0.000238	0.000238	B.2.4-7b	0.00042
Piso 2	B63	949	0.5	B.2.4-7b	0.000236	0.000236	B.2.4-7b	0.00042
Piso 2	B63	949	1	B.2.4-7b	0.000239	0.000239	B.2.4-7b	0.00042
Piso 2	B63	949	1	B.2.4-7b	0.000237	0.000237	B.2.4-7b	0.00042
Piso 2	B63	949	1.5	B.2.4-5b	0.000231	0.000231	B.2.4-7b	0.00042
Piso 2	B63	949	1.5	B.2.4-5b	0.000229	0.000229	B.2.4-7b	0.00042
Piso 2	B63	949	2	B.2.4-5b	0.000221	0.000221	B.2.4-7b	0.00042
Piso 2	B63	949	2	B.2.4-5b	0.000218	0.000218	B.2.4-7b	0.00042
Piso 2	B63	949	2.5	B.2.4-5b	0.000193	0.000193	B.2.4-7b	0.00042
Piso 2	B63	949	2.5	B.2.4-5b	0.00019	0.00019	B.2.4-7b	0.00042
Piso 2	B63	949	3	B.2.4-5b	0.000154	0.000154	B.2.4-7b	0.00042
Piso 2	B63	949	3	B.2.4-5b	0.000151	0.000151	B.2.4-7b	0.00042
Piso 2	B63	949	3.5	B.2.4-5b	0.000179	0.000179	B.2.4-7b	0.00042
Piso 2	B63	949	3.5	B.2.4-5b	0.000176	0.000176	B.2.4-7b	0.00042
Piso 2	B63	949	4	B.2.4-5b	0.000197	0.000197	B.2.4-7b	0.00042
Piso 2	B63	949	4	B.2.4-5b	0.000195	0.000195	B.2.4-7b	0.00042
Piso 2	B63	949	4.5	B.2.4-7b	0.0002	0.0002	B.2.4-7b	0.00042
Piso 2	B63	949	4.5	B.2.4-7b	0.000199	0.000199	B.2.4-7b	0.00042
Piso 2	B63	949	5	B.2.4-7b	0.000205	0.000205	B.2.4-7b	0.00042
Piso 2	B63	949	5	B.2.4-7b	0.000204	0.000204	B.2.4-7b	0.00042
Piso 2	B63	949	5.5	B.2.4-7b	0.000198	0.000198	B.2.4-7b	0.00042
Piso 2	B63	949	5.5	B.2.4-7b	0.000198	0.000198	B.2.4-7b	0.00042
Piso 2	B63	949	5.75	B.2.4-5b	0.000255	0.000255	B.2.4-7b	0.00042
Piso 2	B64	953	0.25	B.2.4-5b	0.00023	0.00023	B.2.4-7b	0.00042
Piso 2	B64	953	0.5	B.2.4-7b	0.000194	0.000194	B.2.4-7b	0.00042
Piso 2	B64	953	0.5	B.2.4-7b	0.000194	0.000194	B.2.4-7b	0.00042
Piso 2	B64	953	1	B.2.4-7b	0.000199	0.000199	B.2.4-7b	0.00042
Piso 2	B64	953	1	B.2.4-7b	0.000199	0.000199	B.2.4-7b	0.00042
Piso 2	B64	953	1.5	B.2.4-5b	0.000197	0.000197	B.2.4-7b	0.00042
Piso 2	B64	953	1.5	B.2.4-5b	0.000196	0.000196	B.2.4-7b	0.00042
Piso 2	B64	953	2	B.2.4-5b	0.000191	0.000191	B.2.4-7b	0.00042
Piso 2	B64	953	2	B.2.4-5b	0.000191	0.000191	B.2.4-7b	0.00042
Piso 2	B64	953	2.5	B.2.4-5b	0.000169	0.000169	B.2.4-7b	0.00042
Piso 2	B64	953	2.5	B.2.4-5b	0.00017	0.00017	B.2.4-7b	0.00042
Piso 2	B64	953	3	B.2.4-5b	0.000138	0.000138	B.2.4-7b	0.00042
Piso 2	B64	953	3	B.2.4-5b	0.000139	0.000139	B.2.4-7b	0.00042
Piso 2	B64	953	3.5	B.2.4-5b	0.000181	0.000181	B.2.4-7b	0.00042
Piso 2	B64	953	3.5	B.2.4-5b	0.000184	0.000184	B.2.4-7b	0.00042
Piso 2	B64	953	4	B.2.4-5b	0.000208	0.000208	B.2.4-7b	0.00042
Piso 2	B64	953	4	B.2.4-5b	0.000212	0.000212	B.2.4-7b	0.00042
Piso 2	B64	953	4.5	B.2.4-5b	0.00022	0.00022	B.2.4-7b	0.00042
Piso 2	B64	953	4.5	B.2.4-5b	0.000224	0.000224	B.2.4-7b	0.00042
Piso 2	B64	953	5	B.2.4-7b	0.000227	0.000227	B.2.4-7b	0.00042
Piso 2	B64	953	5	B.2.4-7b	0.000233	0.000233	B.2.4-7b	0.00042

Table: Concrete Beam Design Summary - ACI 318-08, Part 2 of 4

Story	Label	UniqueName	Station	AsBotCombo	AsMinBot	AsBot	VCombo	VRebar
Unitless	Unitless	Unitless	m	Unitless	m²	m²	Unitless	m²/m
Piso 2	B64	953	5.5	B.2.4-7b	0.00023	0.00023	B.2.4-7b	0.00042
Piso 2	B64	953	5.5	B.2.4-7b	0.000233	0.000233	B.2.4-7b	0.00042
Piso 2	B64	953	5.75	B.2.4-5b	0.000247	0.000247	B.2.4-7b	0.00042
Piso 2	B65	957	0.25	B.2.4-5b	0.000211	0.000211	B.2.4-5b	0.00032
Piso 2	B65	957	0.7125	B.2.4-7b	0.000179	0.000179	B.2.4-5b	0.0003
Piso 2	B65	957	1.175	B.2.4-7b	0.000181	0.000181	B.2.4-5b	0.00027
Piso 2	B65	957	1.6375	B.2.4-7b	0.000173	0.000173	B.2.4-5b	0.00025
Piso 2	B65	957	2.1	B.2.4-7b	0.000157	0.000157	B.2.4-5b	0.00023
Piso 2	B65	957	2.5625	B.2.4-5b	0.000133	0.000133	B.2.4-5b	0.0002
Piso 2	B65	957	3.025	B.2.4-7b	0.000112	0.000112	B.2.4-7b	0.00018
Piso 2	B65	957	3.4875	B.2.4-7b	0.000112	0.000112	B.2.4-5b	0.0002
Piso 2	B65	957	3.95	B.2.4-7b	0.000125	0.000125	B.2.4-5b	0.00023
Piso 2	B65	957	4.4125	B.2.4-7b	0.000141	0.000141	B.2.4-5b	0.00025
Piso 2	B65	957	4.875	B.2.4-7b	0.000148	0.000148	B.2.4-5b	0.00027
Piso 2	B65	957	5.3375	B.2.4-7b	0.000146	0.000146	B.2.4-5b	0.0003
Piso 2	B65	957	5.8	B.2.4-5b	0.000192	0.000192	B.2.4-5b	0.00032
Piso 2	B66	882	0.2	B.2.4-5b	0.000171	0.000171	B.2.4-7b	0.00042
Piso 2	B66	882	0.66667	B.2.4-7b	0.000132	0.000132	B.2.4-7b	0.00042
Piso 2	B66	882	1.13333	B.2.4-7b	0.000136	0.000136	B.2.4-7b	0.00042
Piso 2	B66	882	1.6	B.2.4-7b	0.000131	0.000131	B.2.4-7b	0.00042
Piso 2	B66	882	2.06667	B.2.4-5b	0.000122	0.000122	B.2.4-7b	0.00042
Piso 2	B66	882	2.53333	B.2.4-5b	0.000108	0.000108	B.2.4-7b	0.00042
Piso 2	B66	882	3	B.2.4-5b	0.000116	0.000116	B.2.4-7b	0.00042
Piso 2	B66	882	3.46667	B.2.4-5b	0.000146	0.000146	B.2.4-7b	0.00042
Piso 2	B66	882	3.93333	B.2.4-5b	0.000167	0.000167	B.2.4-7b	0.00042
Piso 2	B66	882	4.4	B.2.4-7b	0.000181	0.000181	B.2.4-7b	0.00042
Piso 2	B66	882	4.86667	B.2.4-7b	0.000189	0.000189	B.2.4-7b	0.00042
Piso 2	B66	882	5.33333	B.2.4-7b	0.000187	0.000187	B.2.4-7b	0.00042
Piso 2	B66	882	5.8	B.2.4-5b	0.000187	0.000187	B.2.4-7b	0.00042
Piso 2	B70	977	0.25	B.2.4-7b	0.000112	0.000112	B.2.4-5b	0.00019
Piso 2	B70	977	0.7125	B.2.4-7b	0.000118	0.000118	B.2.4-5b	0.00018
Piso 2	B70	977	1.175	B.2.4-7b	0.000118	0.000118	B.2.4-5b	0.00016
Piso 2	B70	977	1.6375	B.2.4-7b	0.000112	0.000112	B.2.4-5b	0.00015
Piso 2	B70	977	2.1	B.2.4-5b	0.000102	0.000102	B.2.4-5b	0.00013
Piso 2	B70	977	2.5625	B.2.4-5b	8.6E-05	8.6E-05	B.2.4-5b	0.00012
Piso 2	B70	977	3.025	B.2.4-7b	7.5E-05	7.5E-05	B.2.4-7b	0.00011
Piso 2	B70	977	3.4875	B.2.4-7b	8.4E-05	8.4E-05	B.2.4-5b	0.00012
Piso 2	B70	977	3.95	B.2.4-7b	9.5E-05	9.5E-05	B.2.4-5b	0.00013
Piso 2	B70	977	4.4125	B.2.4-7b	0.000101	0.000101	B.2.4-5b	0.00015
Piso 2	B70	977	4.875	B.2.4-7b	0.000101	0.000101	B.2.4-5b	0.00016
Piso 2	B70	977	5.3375	B.2.4-7b	9.5E-05	9.5E-05	B.2.4-5b	0.00018
Piso 2	B70	977	5.8	B.2.4-5b	0.000127	0.000127	B.2.4-5b	0.00019
Piso 2	B71	981	0.2	B.2.4-7b	0.00012	0.00012	B.2.4-7b	0.00025
Piso 2	B71	981	0.66667	B.2.4-7b	0.000107	0.000107	B.2.4-7b	0.00025
Piso 2	B71	981	1.13333	B.2.4-7b	0.000109	0.000109	B.2.4-7b	0.00025
Piso 2	B71	981	1.6	B.2.4-7b	0.000105	0.000105	B.2.4-7b	0.00025
Piso 2	B71	981	2.06667	B.2.4-7b	9.6E-05	9.6E-05	B.2.4-7b	0.00025

Table: Concrete Beam Design Summary - ACI 318-08, Part 2 of 4

Story	Label	UniqueName	Station	AsBotCombo	AsMinBot	AsBot	VCombo	VRebar
Unitless	Unitless	Unitless	m	Unitless	m²	m²	Unitless	m²/m
Piso 2	B71	981	2.53333	B.2.4-7b	8.1E-05	8.1E-05	B.2.4-7b	0.00025
Piso 2	B71	981	3	B.2.4-7b	7.4E-05	7.4E-05	B.2.4-7b	0.00025
Piso 2	B71	981	3.46667	B.2.4-7b	8.2E-05	8.2E-05	B.2.4-7b	0.00025
Piso 2	B71	981	3.93333	B.2.4-7b	9.6E-05	9.6E-05	B.2.4-7b	0.00025
Piso 2	B71	981	4.4	B.2.4-7b	0.000104	0.000104	B.2.4-7b	0.00025
Piso 2	B71	981	4.86667	B.2.4-7b	0.000106	0.000106	B.2.4-7b	0.00025
Piso 2	B71	981	5.33333	B.2.4-7b	0.000103	0.000103	B.2.4-7b	0.00025
Piso 2	B71	981	5.8	B.2.4-7b	0.000124	0.000124	B.2.4-7b	0.00025
Piso 2	B72	985	0.2	B.2.4-7b	0.000124	0.000124	B.2.4-7b	0.00025
Piso 2	B72	985	0.66667	B.2.4-7b	0.000116	0.000116	B.2.4-7b	0.00025
Piso 2	B72	985	1.13333	B.2.4-7b	0.000115	0.000115	B.2.4-7b	0.00025
Piso 2	B72	985	1.6	B.2.4-7b	0.000109	0.000109	B.2.4-7b	0.00025
Piso 2	B72	985	2.06667	B.2.4-7b	9.7E-05	9.7E-05	B.2.4-7b	0.00025
Piso 2	B72	985	2.53333	B.2.4-7b	8E-05	8E-05	B.2.4-7b	0.00025
Piso 2	B72	985	3	B.2.4-7b	7.8E-05	7.8E-05	B.2.4-7b	0.00025
Piso 2	B72	985	3.46667	B.2.4-7b	8.4E-05	8.4E-05	B.2.4-7b	0.00025
Piso 2	B72	985	3.93333	B.2.4-7b	0.0001	0.0001	B.2.4-7b	0.00025
Piso 2	B72	985	4.4	B.2.4-7b	0.000109	0.000109	B.2.4-7b	0.00025
Piso 2	B72	985	4.86667	B.2.4-7b	0.000114	0.000114	B.2.4-7b	0.00025
Piso 2	B72	985	5.33333	B.2.4-7b	0.000112	0.000112	B.2.4-7b	0.00025
Piso 2	B72	985	5.8	B.2.4-7b	0.000133	0.000133	B.2.4-7b	0.00025
Piso 2	B73	989	0.2	B.2.4-7b	0.000124	0.000124	B.2.4-7b	0.00025
Piso 2	B73	989	0.66667	B.2.4-7b	0.000116	0.000116	B.2.4-7b	0.00025
Piso 2	B73	989	1.13333	B.2.4-7b	0.000116	0.000116	B.2.4-7b	0.00025
Piso 2	B73	989	1.6	B.2.4-7b	0.00011	0.00011	B.2.4-7b	0.00025
Piso 2	B73	989	2.06667	B.2.4-7b	9.9E-05	9.9E-05	B.2.4-7b	0.00025
Piso 2	B73	989	2.53333	B.2.4-5b	8.5E-05	8.5E-05	B.2.4-7b	0.00025
Piso 2	B73	989	3	B.2.4-7b	7.1E-05	7.1E-05	B.2.4-7b	0.00025
Piso 2	B73	989	3.46667	B.2.4-5b	8.1E-05	8.1E-05	B.2.4-7b	0.00025
Piso 2	B73	989	3.93333	B.2.4-7b	9.5E-05	9.5E-05	B.2.4-7b	0.00025
Piso 2	B73	989	4.4	B.2.4-7b	0.000107	0.000107	B.2.4-7b	0.00025
Piso 2	B73	989	4.86667	B.2.4-7b	0.000113	0.000113	B.2.4-7b	0.00025
Piso 2	B73	989	5.33333	B.2.4-7b	0.000113	0.000113	B.2.4-7b	0.00025
Piso 2	B73	989	5.8	B.2.4-7b	0.000121	0.000121	B.2.4-7b	0.00025
Piso 2	B74	894	0.2	B.2.4-7b	0.000122	0.000122	B.2.4-7b	0.00025
Piso 2	B74	894	0.66667	B.2.4-7b	0.000116	0.000116	B.2.4-7b	0.00025
Piso 2	B74	894	1.13333	B.2.4-7b	0.000108	0.000108	B.2.4-7b	0.00025
Piso 2	B74	894	1.6	B.2.4-7b	9.5E-05	9.5E-05	B.2.4-7b	0.00025
Piso 2	B74	894	2.06667	B.2.4-7b	7.7E-05	7.7E-05	B.2.4-7b	0.00025
Piso 2	B74	894	2.53333	B.2.4-7b	7.5E-05	7.5E-05	B.2.4-7b	0.00025
Piso 2	B74	894	3	B.2.4-7b	7.5E-05	7.5E-05	B.2.4-7b	0.00025
Piso 2	B74	894	3.46667	B.2.4-7b	8.9E-05	8.9E-05	B.2.4-7b	0.00025
Piso 2	B74	894	3.93333	B.2.4-7b	0.000112	0.000112	B.2.4-7b	0.00025
Piso 2	B74	894	4.4	B.2.4-7b	0.000129	0.000129	B.2.4-7b	0.00025
Piso 2	B74	894	4.86667	B.2.4-7b	0.000141	0.000141	B.2.4-7b	0.00025
Piso 2	B74	894	5.33333	B.2.4-7b	0.000147	0.000147	B.2.4-7b	0.00025
Piso 2	B74	894	5.8	B.2.4-7b	0.000148	0.000148	B.2.4-7b	0.00025

Table: Concrete Beam Design Summary - ACI 318-08, Part 2 of 4

Story	Label	UniqueName	Station	AsBotCombo	AsMinBot	AsBot	VCombo	VRebar
Unitless	Unitless	Unitless	m	Unitless	m²	m²	Unitless	m²/m
Piso 2	B76	1001	0.25	B.2.4-7b	0.000629	0.000629	B.2.4-5b	0.00078
Piso 2	B76	1001	0.525	B.2.4-5b	0.000622	0.000622	B.2.4-5b	0.00077
Piso 2	B76	1001	0.8	B.2.4-5b	0.00062	0.00062	B.2.4-5b	0.00076
Piso 2	B76	1001	0.8	B.2.4-5b	0.000579	0.000579	B.2.4-5b	0.00068
Piso 2	B76	1001	1.2	B.2.4-5b	0.000535	0.000535	B.2.4-5b	0.00067
Piso 2	B76	1001	1.6	B.2.4-5b	0.000486	0.000486	B.2.4-5b	0.00065
Piso 2	B76	1001	1.6	B.2.4-5b	0.000461	0.000461	B.2.4-5b	0.00057
Piso 2	B76	1001	2	B.2.4-5b	0.000429	0.000429	B.2.4-5b	0.00056
Piso 2	B76	1001	2.4	B.2.4-5b	0.000561	0.000561	B.2.4-5b	0.00054
Piso 2	B76	1001	2.4	B.2.4-5b	0.000554	0.000554	B.2.4-7b	0.00055
Piso 2	B76	1001	2.77	B.2.4-5b	0.000652	0.000652	B.2.4-5b	0.00057
Piso 2	B76	1001	2.77	B.2.4-5b	0.000742	0.000742	B.2.4-5b	0.00074
Piso 2	B76	1001	3.11333	B.2.4-5b	0.000589	0.000589	B.2.4-5b	0.00076
Piso 2	B76	1001	3.45667	B.2.4-5b	0.000428	0.000428	B.2.4-5b	0.00077
Piso 2	B76	1001	3.8	B.2.4-5b	0.000333	0.000333	B.2.4-5b	0.00078
Piso 2	B82	1025	0.25	B.2.4-5b	0.000351	0.000351	B.2.4-5b	0.00052
Piso 2	B82	1025	0.5	B.2.4-7b	0.000288	0.000288	B.2.4-5b	0.00051
Piso 2	B82	1025	0.5	B.2.4-7b	0.000287	0.000287	B.2.4-5b	0.00047
Piso 2	B82	1025	1	B.2.4-7b	0.000278	0.000278	B.2.4-5b	0.00044
Piso 2	B82	1025	1	B.2.4-7b	0.000277	0.000277	B.2.4-5b	0.00043
Piso 2	B82	1025	1.5	B.2.4-5b	0.000281	0.000281	B.2.4-5b	0.0004
Piso 2	B82	1025	1.5	B.2.4-5b	0.000282	0.000282	B.2.4-5b	0.00039
Piso 2	B82	1025	2	B.2.4-5b	0.000272	0.000272	B.2.4-5b	0.00036
Piso 2	B82	1025	2	B.2.4-5b	0.000271	0.000271	B.2.4-5b	0.00034
Piso 2	B82	1025	2.5	B.2.4-5b	0.000235	0.000235	B.2.4-5b	0.00032
Piso 2	B82	1025	2.5	B.2.4-5b	0.000232	0.000232	B.2.4-5b	0.0003
Piso 2	B82	1025	3	B.2.4-2	0.000214	0.000214	B.2.4-5b	0.00027
Piso 2	B82	1025	3	B.2.4-2	0.000214	0.000214	B.2.4-5b	0.00028
Piso 2	B82	1025	3.5	B.2.4-5b	0.000258	0.000258	B.2.4-5b	0.0003
Piso 2	B82	1025	3.5	B.2.4-5b	0.000262	0.000262	B.2.4-5b	0.00032
Piso 2	B82	1025	4	B.2.4-5b	0.000293	0.000293	B.2.4-5b	0.00035
Piso 2	B82	1025	4	B.2.4-5b	0.000296	0.000296	B.2.4-5b	0.00036
Piso 2	B82	1025	4.5	B.2.4-5b	0.000302	0.000302	B.2.4-5b	0.00039
Piso 2	B82	1025	4.5	B.2.4-5b	0.000303	0.000303	B.2.4-5b	0.00041
Piso 2	B82	1025	5	B.2.4-7b	0.000302	0.000302	B.2.4-5b	0.00043
Piso 2	B82	1025	5	B.2.4-7b	0.000304	0.000304	B.2.4-5b	0.00044
Piso 2	B82	1025	5.5	B.2.4-7b	0.000311	0.000311	B.2.4-5b	0.00047
Piso 2	B82	1025	5.5	B.2.4-7b	0.000313	0.000313	B.2.4-5b	0.00048
Piso 2	B82	1025	5.75	B.2.4-5b	0.000378	0.000378	B.2.4-5b	0.0005
Piso 2	B83	1026	0.25	B.2.4-5b	0.000376	0.000376	B.2.4-5b	0.00056
Piso 2	B83	1026	0.5	B.2.4-7b	0.000338	0.000338	B.2.4-5b	0.00054
Piso 2	B83	1026	0.5	B.2.4-7b	0.000336	0.000336	B.2.4-5b	0.00047
Piso 2	B83	1026	1	B.2.4-7b	0.000324	0.000324	B.2.4-5b	0.00044
Piso 2	B83	1026	1	B.2.4-7b	0.000322	0.000322	B.2.4-5b	0.00043
Piso 2	B83	1026	1.5	B.2.4-5b	0.000317	0.000317	B.2.4-5b	0.00041
Piso 2	B83	1026	1.5	B.2.4-5b	0.000316	0.000316	B.2.4-5b	0.00039
Piso 2	B83	1026	2	B.2.4-5b	0.0003	0.0003	B.2.4-5b	0.00037

Table: Concrete Beam Design Summary - ACI 318-08, Part 2 of 4

Story	Label	UniqueName	Station	AsBotCombo	AsMinBot	AsBot	VCombo	VRebar
Unitless	Unitless	Unitless	m	Unitless	m²	m²	Unitless	m²/m
Piso 2	B83	1026	2	B.2.4-5b	0.000297	0.000297	B.2.4-5b	0.00035
Piso 2	B83	1026	2.5	B.2.4-5b	0.000255	0.000255	B.2.4-5b	0.00032
Piso 2	B83	1026	2.5	B.2.4-5b	0.000251	0.000251	B.2.4-5b	0.0003
Piso 2	B83	1026	3	B.2.4-5b	0.000202	0.000202	B.2.4-5b	0.00028
Piso 2	B83	1026	3	B.2.4-5b	0.000201	0.000201	B.2.4-5b	0.00028
Piso 2	B83	1026	3.5	B.2.4-5b	0.000219	0.000219	B.2.4-5b	0.00031
Piso 2	B83	1026	3.5	B.2.4-5b	0.000221	0.000221	B.2.4-5b	0.00033
Piso 2	B83	1026	4	B.2.4-5b	0.000251	0.000251	B.2.4-5b	0.00035
Piso 2	B83	1026	4	B.2.4-5b	0.000252	0.000252	B.2.4-5b	0.00037
Piso 2	B83	1026	4.5	B.2.4-7b	0.000263	0.000263	B.2.4-5b	0.0004
Piso 2	B83	1026	4.5	B.2.4-7b	0.000264	0.000264	B.2.4-5b	0.00041
Piso 2	B83	1026	5	B.2.4-7b	0.000279	0.000279	B.2.4-5b	0.00044
Piso 2	B83	1026	5	B.2.4-7b	0.000279	0.000279	B.2.4-5b	0.00044
Piso 2	B83	1026	5.5	B.2.4-7b	0.000287	0.000287	B.2.4-5b	0.00047
Piso 2	B83	1026	5.5	B.2.4-7b	0.000288	0.000288	B.2.4-5b	0.00042
Piso 2	B83	1026	5.75	B.2.4-5b	0.000377	0.000377	B.2.4-5b	0.00044
Piso 2	B87	1027	0.25	B.2.4-7b	0.00037	0.00037	B.2.4-5b	0.0004
Piso 2	B87	1027	0.75	B.2.4-7b	0.000348	0.000348	B.2.4-5b	0.00037
Piso 2	B87	1027	1.25	B.2.4-5b	0.00033	0.00033	B.2.4-5b	0.00034
Piso 2	B87	1027	1.75	B.2.4-5b	0.000309	0.000309	B.2.4-5b	0.00031
Piso 2	B87	1027	2.25	B.2.4-5b	0.000271	0.000271	B.2.4-5b	0.00028
Piso 2	B87	1027	2.75	B.2.4-5b	0.000219	0.000219	B.2.4-5b	0.00025
Piso 2	B87	1027	3.25	B.2.4-5b	0.000175	0.000175	B.2.4-5b	0.00025
Piso 2	B87	1027	3.75	B.2.4-5b	0.000212	0.000212	B.2.4-5b	0.00028
Piso 2	B87	1027	4.25	B.2.4-5b	0.00024	0.00024	B.2.4-5b	0.00031
Piso 2	B87	1027	4.75	B.2.4-7b	0.000258	0.000258	B.2.4-5b	0.00034
Piso 2	B87	1027	5.25	B.2.4-7b	0.000284	0.000284	B.2.4-5b	0.00037
Piso 2	B87	1027	5.75	B.2.4-7b	0.000302	0.000302	B.2.4-5b	0.0004
Piso 2	B90	1030	0.25	B.2.4-5b	0.000348	0.000348	B.2.4-5b	0.00048
Piso 2	B90	1030	0.75	B.2.4-7b	0.000298	0.000298	B.2.4-5b	0.00044
Piso 2	B90	1030	1.25	B.2.4-7b	0.000276	0.000276	B.2.4-5b	0.0004
Piso 2	B90	1030	1.75	B.2.4-5b	0.000268	0.000268	B.2.4-5b	0.00036
Piso 2	B90	1030	2.25	B.2.4-5b	0.000243	0.000243	B.2.4-5b	0.00032
Piso 2	B90	1030	2.75	B.2.4-2	0.000208	0.000208	B.2.4-5b	0.00028
Piso 2	B90	1030	3.25	B.2.4-5b	0.00022	0.00022	B.2.4-5b	0.00028
Piso 2	B90	1030	3.75	B.2.4-5b	0.000284	0.000284	B.2.4-5b	0.00032
Piso 2	B90	1030	4.25	B.2.4-5b	0.000325	0.000325	B.2.4-5b	0.00036
Piso 2	B90	1030	4.75	B.2.4-5b	0.000343	0.000343	B.2.4-5b	0.0004
Piso 2	B90	1030	5.25	B.2.4-7b	0.00035	0.00035	B.2.4-5b	0.00044
Piso 2	B90	1030	5.75	B.2.4-7b	0.000367	0.000367	B.2.4-5b	0.00048
Piso 2	B91	1031	0.25	B.2.4-7b	0.000452	0.000452	B.2.4-5b	0.00045
Piso 2	B91	1031	0.75	B.2.4-7b	0.000452	0.000452	B.2.4-5b	0.00043
Piso 2	B91	1031	1.25	B.2.4-7b	0.000413	0.000413	B.2.4-5b	0.0004
Piso 2	B91	1031	1.75	B.2.4-7b	0.000363	0.000363	B.2.4-5b	0.00037
Piso 2	B91	1031	2.25	B.2.4-5b	0.000315	0.000315	B.2.4-5b	0.00034
Piso 2	B91	1031	2.75	B.2.4-5b	0.0003	0.0003	B.2.4-5b	0.00032
Piso 2	B91	1031	3.25	B.2.4-5b	0.0003	0.0003	B.2.4-5b	0.00032

Table: Concrete Beam Design Summary - ACI 318-08, Part 2 of 4

Story	Label	UniqueName	Station	AsBotCombo	AsMinBot	AsBot	VCombo	VRebar
Unitless	Unitless	Unitless	m	Unitless	m²	m²	Unitless	m²/m
Piso 2	B91	1031	3.75	B.2.4-5b	0.000332	0.000332	B.2.4-5b	0.00034
Piso 2	B91	1031	4.25	B.2.4-5b	0.000389	0.000389	B.2.4-5b	0.00037
Piso 2	B91	1031	4.75	B.2.4-5b	0.00043	0.00043	B.2.4-5b	0.0004
Piso 2	B91	1031	5.25	B.2.4-7b	0.000452	0.000452	B.2.4-5b	0.00043
Piso 2	B91	1031	5.75	B.2.4-7b	0.000452	0.000452	B.2.4-5b	0.00045
Piso 2	B92	1032	0.25	B.2.4-7b	0.000452	0.000452	B.2.4-5b	0.00037
Piso 2	B92	1032	0.75	B.2.4-7b	0.000452	0.000452	B.2.4-5b	0.00036
Piso 2	B92	1032	1.25	B.2.4-7b	0.000452	0.000452	B.2.4-5b	0.00034
Piso 2	B92	1032	1.75	B.2.4-5b	0.000452	0.000452	B.2.4-5b	0.00032
Piso 2	B92	1032	2.25	B.2.4-5b	0.0004	0.0004	B.2.4-5b	0.00031
Piso 2	B92	1032	2.75	B.2.4-5b	0.000338	0.000338	B.2.4-5b	0.00029
Piso 2	B92	1032	3.25	B.2.4-5b	0.000338	0.000338	B.2.4-5b	0.00029
Piso 2	B92	1032	3.75	B.2.4-5b	0.000342	0.000342	B.2.4-5b	0.00031
Piso 2	B92	1032	4.25	B.2.4-5b	0.000401	0.000401	B.2.4-5b	0.00032
Piso 2	B92	1032	4.75	B.2.4-7b	0.000446	0.000446	B.2.4-5b	0.00034
Piso 2	B92	1032	5.25	B.2.4-7b	0.000452	0.000452	B.2.4-5b	0.00036
Piso 2	B92	1032	5.75	B.2.4-7b	0.000452	0.000452	B.2.4-5b	0.00037
Piso 2	B93	1033	0.25	B.2.4-7b	0.000395	0.000395	B.2.4-5b	0.00033
Piso 2	B93	1033	0.75	B.2.4-7b	0.000374	0.000374	B.2.4-5b	0.00032
Piso 2	B93	1033	1.25	B.2.4-7b	0.000345	0.000345	B.2.4-5b	0.0003
Piso 2	B93	1033	1.75	B.2.4-5b	0.000316	0.000316	B.2.4-5b	0.00029
Piso 2	B93	1033	2.25	B.2.4-5b	0.000281	0.000281	B.2.4-5b	0.00027
Piso 2	B93	1033	2.75	B.2.4-5b	0.000245	0.000245	B.2.4-5b	0.00026
Piso 2	B93	1033	3.25	B.2.4-5b	0.000245	0.000245	B.2.4-5b	0.00026
Piso 2	B93	1033	3.75	B.2.4-5b	0.000266	0.000266	B.2.4-5b	0.00027
Piso 2	B93	1033	4.25	B.2.4-5b	0.000306	0.000306	B.2.4-5b	0.00029
Piso 2	B93	1033	4.75	B.2.4-5b	0.000338	0.000338	B.2.4-5b	0.0003
Piso 2	B93	1033	5.25	B.2.4-7b	0.000365	0.000365	B.2.4-5b	0.00032
Piso 2	B93	1033	5.75	B.2.4-7b	0.00039	0.00039	B.2.4-5b	0.00033
Piso 2	B94	697	0.3	B.2.4-5b	0.000764	0.000764	B.2.4-7b	0.00062
Piso 2	B94	697	0.4775	B.2.4-5b	0.000411	0.000411	B.2.4-7b	0.00062
Piso 2	B94	697	0.4775	B.2.4-5b	0.000407	0.000407	B.2.4-7b	0.00061
Piso 2	B94	697	0.955	B.2.4-5b	0.000407	0.000407	B.2.4-7b	0.0006
Piso 2	B94	697	0.955	B.2.4-5b	0.000405	0.000405	B.2.4-7b	0.00052
Piso 2	B94	697	1.3375	B.2.4-5b	0.000405	0.000405	B.2.4-7b	0.00051
Piso 2	B94	697	1.3375	B.2.4-5b	0.000409	0.000409	B.2.4-7b	0.00051
Piso 2	B94	697	1.72	B.2.4-5b	0.000409	0.000409	B.2.4-7b	0.0005
Piso 2	B94	697	1.72	B.2.4-5b	0.000434	0.000434	B.2.4-7b	0.00041
Piso 2	B94	697	2.216	B.2.4-5b	0.000434	0.000434	B.2.4-7b	0.0004
Piso 2	B94	697	2.712	B.2.4-5b	0.000434	0.000434	B.2.4-7b	0.00038
Piso 2	B94	697	3.208	B.2.4-5b	0.000434	0.000434	B.2.4-7b	0.00037
Piso 2	B94	697	3.704	B.2.4-5b	0.000434	0.000434	B.2.4-7b	0.00035
Piso 2	B94	697	4.2	B.2.4-5b	0.000434	0.000434	B.2.4-7b	0.00034
Piso 2	B94	697	4.2	B.2.4-5b	0.000434	0.000434	B.2.4-7b	0.00033
Piso 2	B94	697	4.666	B.2.4-5b	0.000434	0.000434	B.2.4-7b	0.00035
Piso 2	B94	697	5.132	B.2.4-5b	0.000495	0.000495	B.2.4-7b	0.00036
Piso 2	B94	697	5.598	B.2.4-5b	0.000568	0.000568	B.2.4-7b	0.00037

Table: Concrete Beam Design Summary - ACI 318-08, Part 2 of 4

Story	Label	UniqueName	Station	AsBotCombo	AsMinBot	AsBot	VCombo	VRebar
Unitless	Unitless	Unitless	m	Unitless	m²	m²	Unitless	m²/m
Piso 2	B94	697	6.064	B.2.4-5b	0.000631	0.000631	B.2.4-7b	0.00039
Piso 2	B94	697	6.53	B.2.4-5b	0.000685	0.000685	B.2.4-7b	0.0004
Piso 2	B94	697	6.53	B.2.4-5b	0.000682	0.000682	B.2.4-7b	0.00049
Piso 2	B94	697	6.87	B.2.4-5b	0.000661	0.000661	B.2.4-7b	0.0005
Piso 2	B94	697	6.87	B.2.4-5b	0.000649	0.000649	B.2.4-7b	0.0005
Piso 2	B94	697	7.21	B.2.4-5b	0.000621	0.000621	B.2.4-7b	0.00051
Piso 2	B94	697	7.21	B.2.4-5b	0.000609	0.000609	B.2.4-7b	0.00051
Piso 2	B94	697	7.55	B.2.4-5b	0.000574	0.000574	B.2.4-7b	0.00052
Piso 2	B94	697	7.55	B.2.4-5b	0.000557	0.000557	B.2.4-7b	0.0006
Piso 2	B94	697	7.975	B.2.4-7b	0.000476	0.000476	B.2.4-7b	0.00061
Piso 2	B94	697	7.975	B.2.4-7b	0.000466	0.000466	B.2.4-7b	0.00061
Piso 2	B94	697	8.15	B.2.4-7b	0.000442	0.000442	B.2.4-7b	0.00062
Piso 2	B95	729	0.3	B.2.4-5b	0.000707	0.000707	B.2.4-7b	0.00063
Piso 2	B95	729	0.4775	B.2.4-5b	0.000355	0.000355	B.2.4-7b	0.00062
Piso 2	B95	729	0.4775	B.2.4-5b	0.000355	0.000355	B.2.4-7b	0.00062
Piso 2	B95	729	0.955	B.2.4-5b	0.000355	0.000355	B.2.4-7b	0.0006
Piso 2	B95	729	0.955	B.2.4-5b	0.000354	0.000354	B.2.4-7b	0.00053
Piso 2	B95	729	1.3375	B.2.4-5b	0.000354	0.000354	B.2.4-7b	0.00052
Piso 2	B95	729	1.3375	B.2.4-5b	0.000356	0.000356	B.2.4-7b	0.00051
Piso 2	B95	729	1.72	B.2.4-5b	0.000356	0.000356	B.2.4-7b	0.0005
Piso 2	B95	729	1.72	B.2.4-5b	0.000372	0.000372	B.2.4-7b	0.00041
Piso 2	B95	729	2.216	B.2.4-5b	0.000372	0.000372	B.2.4-7b	0.0004
Piso 2	B95	729	2.712	B.2.4-5b	0.000372	0.000372	B.2.4-7b	0.00038
Piso 2	B95	729	3.208	B.2.4-5b	0.000372	0.000372	B.2.4-7b	0.00037
Piso 2	B95	729	3.704	B.2.4-5b	0.000372	0.000372	B.2.4-7b	0.00035
Piso 2	B95	729	4.2	B.2.4-3b	0.000422	0.000422	B.2.4-7b	0.00034
Piso 2	B95	729	4.2	B.2.4-3b	0.00042	0.00042	B.2.4-7b	0.00033
Piso 2	B95	729	4.666	B.2.4-3b	0.000426	0.000426	B.2.4-7b	0.00034
Piso 2	B95	729	5.132	B.2.4-5b	0.00048	0.00048	B.2.4-7b	0.00036
Piso 2	B95	729	5.598	B.2.4-5b	0.000558	0.000558	B.2.4-7b	0.00037
Piso 2	B95	729	6.064	B.2.4-5b	0.000628	0.000628	B.2.4-7b	0.00039
Piso 2	B95	729	6.53	B.2.4-5b	0.000687	0.000687	B.2.4-7b	0.0004
Piso 2	B95	729	6.53	B.2.4-5b	0.000701	0.000701	B.2.4-7b	0.0005
Piso 2	B95	729	6.87	B.2.4-5b	0.000677	0.000677	B.2.4-7b	0.00051
Piso 2	B95	729	6.87	B.2.4-5b	0.000678	0.000678	B.2.4-7b	0.00051
Piso 2	B95	729	7.21	B.2.4-5b	0.000647	0.000647	B.2.4-7b	0.00052
Piso 2	B95	729	7.21	B.2.4-5b	0.000648	0.000648	B.2.4-7b	0.00052
Piso 2	B95	729	7.55	B.2.4-5b	0.000609	0.000609	B.2.4-7b	0.00053
Piso 2	B95	729	7.55	B.2.4-5b	0.000606	0.000606	B.2.4-7b	0.00061
Piso 2	B95	729	7.975	B.2.4-7b	0.000525	0.000525	B.2.4-7b	0.00062
Piso 2	B95	729	7.975	B.2.4-7b	0.000527	0.000527	B.2.4-7b	0.00062
Piso 2	B95	729	8.15	B.2.4-7b	0.000502	0.000502	B.2.4-7b	0.00063
Piso 2	B96	749	0.3	B.2.4-5b	0.000694	0.000694	B.2.4-5b	0.00046
Piso 2	B96	749	0.3	B.2.4-5b	0.000389	0.000389	B.2.4-5b	0.00046
Piso 2	B96	749	0.3	B.2.4-5b	0.000389	0.000389	B.2.4-5b	0.00046
Piso 2	B96	749	0.4775	B.2.4-5b	0.000389	0.000389	B.2.4-5b	0.00045
Piso 2	B96	749	0.4775	B.2.4-5b	0.000388	0.000388	B.2.4-5b	0.00039

Table: Concrete Beam Design Summary - ACI 318-08, Part 2 of 4

Story	Label	UniqueName	Station	AsBotCombo	AsMinBot	AsBot	VCombo	VRebar
Unitless	Unitless	Unitless	m	Unitless	m²	m²	Unitless	m²/m
Piso 2	B96	749	0.6	B.2.4-5b	0.000388	0.000388	B.2.4-5b	0.00039
Piso 2	B96	749	0.6	B.2.4-5b	0.000402	0.000402	B.2.4-5b	0.00065
Piso 2	B96	749	0.955	B.2.4-5b	0.000402	0.000402	B.2.4-5b	0.00064
Piso 2	B96	749	0.955	B.2.4-5b	0.0004	0.0004	B.2.4-5b	0.00057
Piso 2	B96	749	1.3375	B.2.4-5b	0.0004	0.0004	B.2.4-5b	0.00056
Piso 2	B96	749	1.3375	B.2.4-5b	0.000402	0.000402	B.2.4-5b	0.00055
Piso 2	B96	749	1.72	B.2.4-5b	0.000402	0.000402	B.2.4-5b	0.00054
Piso 2	B96	749	1.72	B.2.4-5b	0.000411	0.000411	B.2.4-5b	0.00047
Piso 2	B96	749	2.216	B.2.4-5b	0.000411	0.000411	B.2.4-5b	0.00045
Piso 2	B96	749	2.712	B.2.4-5b	0.000411	0.000411	B.2.4-5b	0.00043
Piso 2	B96	749	3.208	B.2.4-5b	0.000411	0.000411	B.2.4-5b	0.00041
Piso 2	B96	749	3.704	B.2.4-5b	0.000411	0.000411	B.2.4-5b	0.00039
Piso 2	B96	749	4.2	B.2.4-5b	0.000411	0.000411	B.2.4-5b	0.00037
Piso 2	B96	749	4.2	B.2.4-5b	0.000409	0.000409	B.2.4-7b	0.00036
Piso 2	B96	749	4.666	B.2.4-5b	0.000409	0.000409	B.2.4-5b	0.00038
Piso 2	B96	749	5.132	B.2.4-5b	0.0005	0.0005	B.2.4-5b	0.0004
Piso 2	B96	749	5.598	B.2.4-5b	0.000586	0.000586	B.2.4-5b	0.00041
Piso 2	B96	749	6.064	B.2.4-5b	0.000663	0.000663	B.2.4-5b	0.00043
Piso 2	B96	749	6.53	B.2.4-5b	0.00073	0.00073	B.2.4-5b	0.00045
Piso 2	B96	749	6.53	B.2.4-5b	0.000746	0.000746	B.2.4-5b	0.00052
Piso 2	B96	749	6.87	B.2.4-5b	0.000762	0.000762	B.2.4-5b	0.00053
Piso 2	B96	749	6.87	B.2.4-5b	0.000764	0.000764	B.2.4-5b	0.00054
Piso 2	B96	749	7.21	B.2.4-5b	0.000774	0.000774	B.2.4-5b	0.00055
Piso 2	B96	749	7.21	B.2.4-5b	0.000778	0.000778	B.2.4-5b	0.00055
Piso 2	B96	749	7.55	B.2.4-5b	0.000781	0.000781	B.2.4-5b	0.00057
Piso 2	B96	749	7.55	B.2.4-5b	0.000785	0.000785	B.2.4-5b	0.00064
Piso 2	B96	749	7.975	B.2.4-7b	0.000764	0.000764	B.2.4-5b	0.00066
Piso 2	B96	749	7.975	B.2.4-7b	0.000771	0.000771	B.2.4-5b	0.00066
Piso 2	B96	749	8.15	B.2.4-7b	0.000769	0.000769	B.2.4-5b	0.00067
Piso 2	B121	736	0.2	B.2.4-7b	0.000229	0.000229	B.2.4-7b	0.00033
Piso 2	B121	736	0.69091	B.2.4-7b	0.000236	0.000236	B.2.4-7b	0.00033
Piso 2	B121	736	1.18182	B.2.4-5b	0.000239	0.000239	B.2.4-7b	0.00033
Piso 2	B121	736	1.67273	B.2.4-5b	0.000238	0.000238	B.2.4-7b	0.00033
Piso 2	B121	736	2.16364	B.2.4-5b	0.000226	0.000226	B.2.4-7b	0.00033
Piso 2	B121	736	2.65455	B.2.4-5b	0.000202	0.000202	B.2.4-7b	0.00033
Piso 2	B121	736	3.14545	B.2.4-5b	0.000168	0.000168	B.2.4-7b	0.00033
Piso 2	B121	736	3.63636	B.2.4-5b	0.000123	0.000123	B.2.4-7b	0.00033
Piso 2	B121	736	4.12727	B.2.4-5b	0.000119	0.000119	B.2.4-7b	0.00033
Piso 2	B121	736	4.61818	B.2.4-5b	0.000119	0.000119	B.2.4-7b	0.00033
Piso 2	B121	736	5.10909	B.2.4-5b	0.000119	0.000119	B.2.4-7b	0.00033
Piso 2	B121	736	5.6	B.2.4-5b	0.000124	0.000124	B.2.4-7b	0.00033
Piso 2	B122	746	0.2	B.2.4-7b	0.000394	0.000394	B.2.4-5b	0.00067
Piso 2	B122	746	0.475	B.2.4-5b	0.000291	0.000291	B.2.4-5b	0.00066
Piso 2	B122	746	0.475	B.2.4-5b	0.000272	0.000272	B.2.4-5b	0.00063
Piso 2	B122	746	0.95	B.2.4-5b	0.000179	0.000179	B.2.4-5b	0.00062
Piso 2	B122	746	0.95	B.2.4-5b	0.000175	0.000175	B.2.4-5b	0.0006
Piso 2	B122	746	1.425	B.2.4-5b	0.000175	0.000175	B.2.4-5b	0.00059

Table: Concrete Beam Design Summary - ACI 318-08, Part 2 of 4

Story	Label	UniqueName	Station	AsBotCombo	AsMinBot	AsBot	VCombo	VRebar
Unitless	Unitless	Unitless	m	Unitless	m²	m²	Unitless	m²/m
Piso 2	B122	746	1.425	B.2.4-5b	0.000172	0.000172	B.2.4-5b	0.0006
Piso 2	B122	746	1.9	B.2.4-7b	0.000289	0.000289	B.2.4-5b	0.00061
Piso 2	B122	746	1.9	B.2.4-7b	0.0003	0.0003	B.2.4-5b	0.00062
Piso 2	B122	746	2.375	B.2.4-7b	0.000446	0.000446	B.2.4-5b	0.00064
Piso 2	B122	746	2.375	B.2.4-7b	0.000452	0.000452	B.2.4-5b	0.00063
Piso 2	B122	746	2.6	B.2.4-7b	0.000452	0.000452	B.2.4-5b	0.00064
Piso 2	B109	509	0.3	B.2.4-7b	0.000329	0.000329	B.2.4-5b	0.00042
Piso 2	B109	509	0.5	B.2.4-7b	0.000324	0.000324	B.2.4-5b	0.00041
Piso 2	B109	509	0.5	B.2.4-7b	0.000324	0.000324	B.2.4-5b	0.00041
Piso 2	B109	509	1	B.2.4-7b	0.000304	0.000304	B.2.4-5b	0.00038
Piso 2	B109	509	1	B.2.4-7b	0.000307	0.000307	B.2.4-5b	0.00039
Piso 2	B109	509	1.5	B.2.4-5b	0.000302	0.000302	B.2.4-5b	0.00034
Piso 2	B109	509	1.5	B.2.4-5b	0.000307	0.000307	B.2.4-5b	0.00034
Piso 2	B109	509	2	B.2.4-5b	0.000285	0.000285	B.2.4-5b	0.00031
Piso 2	B109	509	2	B.2.4-5b	0.000292	0.000292	B.2.4-5b	0.00031
Piso 2	B109	509	2.5	B.2.4-5b	0.000251	0.000251	B.2.4-5b	0.00028
Piso 2	B109	509	2.5	B.2.4-5b	0.000257	0.000257	B.2.4-5b	0.00028
Piso 2	B109	509	3	B.2.4-5b	0.000201	0.000201	B.2.4-7b	0.00025
Piso 2	B109	509	3	B.2.4-5b	0.000207	0.000207	B.2.4-7b	0.00025
Piso 2	B109	509	3.5	B.2.4-5b	0.000254	0.000254	B.2.4-5b	0.00028
Piso 2	B109	509	3.5	B.2.4-5b	0.000261	0.000261	B.2.4-5b	0.00028
Piso 2	B109	509	4	B.2.4-5b	0.000295	0.000295	B.2.4-5b	0.00031
Piso 2	B109	509	4	B.2.4-5b	0.000301	0.000301	B.2.4-5b	0.00031
Piso 2	B109	509	4.5	B.2.4-5b	0.000317	0.000317	B.2.4-5b	0.00034
Piso 2	B109	509	4.5	B.2.4-5b	0.000322	0.000322	B.2.4-5b	0.00034
Piso 2	B109	509	5	B.2.4-7b	0.000329	0.000329	B.2.4-5b	0.00038
Piso 2	B109	509	5	B.2.4-7b	0.000333	0.000333	B.2.4-5b	0.00038
Piso 2	B109	509	5.5	B.2.4-7b	0.000349	0.000349	B.2.4-5b	0.00041
Piso 2	B109	509	5.5	B.2.4-7b	0.000351	0.000351	B.2.4-5b	0.00041
Piso 2	B109	509	5.7	B.2.4-5b	0.000363	0.000363	B.2.4-5b	0.00042
Piso 2	B112	730	0.3	B.2.4-7b	0.000313	0.000313	B.2.4-5b	0.0004
Piso 2	B112	730	0.5	B.2.4-7b	0.000309	0.000309	B.2.4-5b	0.00039
Piso 2	B112	730	0.5	B.2.4-7b	0.000309	0.000309	B.2.4-5b	0.00039
Piso 2	B112	730	1	B.2.4-7b	0.000291	0.000291	B.2.4-5b	0.00036
Piso 2	B112	730	1	B.2.4-7b	0.000293	0.000293	B.2.4-5b	0.00036
Piso 2	B112	730	1.5	B.2.4-5b	0.000268	0.000268	B.2.4-5b	0.00033
Piso 2	B112	730	1.5	B.2.4-5b	0.00027	0.00027	B.2.4-5b	0.00033
Piso 2	B112	730	2	B.2.4-5b	0.000249	0.000249	B.2.4-5b	0.00029
Piso 2	B112	730	2	B.2.4-5b	0.000251	0.000251	B.2.4-5b	0.00029
Piso 2	B112	730	2.5	B.2.4-5b	0.000213	0.000213	B.2.4-5b	0.00026
Piso 2	B112	730	2.5	B.2.4-5b	0.000216	0.000216	B.2.4-5b	0.00026
Piso 2	B112	730	3	B.2.4-5b	0.000189	0.000189	B.2.4-7b	0.00025
Piso 2	B112	730	3	B.2.4-5b	0.000192	0.000192	B.2.4-7b	0.00025
Piso 2	B112	730	3.5	B.2.4-5b	0.000221	0.000221	B.2.4-5b	0.00026
Piso 2	B112	730	3.5	B.2.4-5b	0.000224	0.000224	B.2.4-5b	0.00026
Piso 2	B112	730	4	B.2.4-5b	0.000264	0.000264	B.2.4-5b	0.00029
Piso 2	B112	730	4	B.2.4-5b	0.000267	0.000267	B.2.4-5b	0.00029

Table: Concrete Beam Design Summary - ACI 318-08, Part 2 of 4

Story	Label	UniqueName	Station	AsBotCombo	AsMinBot	AsBot	VCombo	VRebar
Unitless	Unitless	Unitless	m	Unitless	m²	m²	Unitless	m²/m
Piso 2	B112	730	4.5	B.2.4-5b	0.00029	0.00029	B.2.4-5b	0.00033
Piso 2	B112	730	4.5	B.2.4-5b	0.000292	0.000292	B.2.4-5b	0.00033
Piso 2	B112	730	5	B.2.4-7b	0.000309	0.000309	B.2.4-5b	0.00036
Piso 2	B112	730	5	B.2.4-7b	0.00031	0.00031	B.2.4-5b	0.00036
Piso 2	B112	730	5.5	B.2.4-7b	0.000326	0.000326	B.2.4-5b	0.00039
Piso 2	B112	730	5.5	B.2.4-7b	0.000326	0.000326	B.2.4-5b	0.00039
Piso 2	B112	730	5.7	B.2.4-7b	0.00033	0.00033	B.2.4-5b	0.0004
Piso 2	B115	731	0.3	B.2.4-7b	0.000298	0.000298	B.2.4-5b	0.00039
Piso 2	B115	731	0.5	B.2.4-7b	0.000294	0.000294	B.2.4-5b	0.00038
Piso 2	B115	731	0.5	B.2.4-7b	0.000294	0.000294	B.2.4-5b	0.00038
Piso 2	B115	731	1	B.2.4-7b	0.000276	0.000276	B.2.4-5b	0.00035
Piso 2	B115	731	1	B.2.4-7b	0.000278	0.000278	B.2.4-5b	0.00035
Piso 2	B115	731	1.5	B.2.4-5b	0.00026	0.00026	B.2.4-5b	0.00032
Piso 2	B115	731	1.5	B.2.4-5b	0.000263	0.000263	B.2.4-5b	0.00032
Piso 2	B115	731	2	B.2.4-5b	0.000239	0.000239	B.2.4-5b	0.00029
Piso 2	B115	731	2	B.2.4-5b	0.000242	0.000242	B.2.4-5b	0.00029
Piso 2	B115	731	2.5	B.2.4-5b	0.000202	0.000202	B.2.4-5b	0.00026
Piso 2	B115	731	2.5	B.2.4-5b	0.000205	0.000205	B.2.4-5b	0.00026
Piso 2	B115	731	3	B.2.4-5b	0.000171	0.000171	B.2.4-7b	0.00025
Piso 2	B115	731	3	B.2.4-5b	0.000175	0.000175	B.2.4-7b	0.00025
Piso 2	B115	731	3.5	B.2.4-5b	0.000208	0.000208	B.2.4-5b	0.00026
Piso 2	B115	731	3.5	B.2.4-5b	0.000211	0.000211	B.2.4-5b	0.00026
Piso 2	B115	731	4	B.2.4-5b	0.00025	0.00025	B.2.4-5b	0.00029
Piso 2	B115	731	4	B.2.4-5b	0.000253	0.000253	B.2.4-5b	0.00029
Piso 2	B115	731	4.5	B.2.4-5b	0.000275	0.000275	B.2.4-5b	0.00032
Piso 2	B115	731	4.5	B.2.4-5b	0.000278	0.000278	B.2.4-5b	0.00032
Piso 2	B115	731	5	B.2.4-7b	0.000296	0.000296	B.2.4-5b	0.00035
Piso 2	B115	731	5	B.2.4-7b	0.000298	0.000298	B.2.4-5b	0.00035
Piso 2	B115	731	5.5	B.2.4-7b	0.000314	0.000314	B.2.4-5b	0.00038
Piso 2	B115	731	5.5	B.2.4-7b	0.000314	0.000314	B.2.4-5b	0.00038
Piso 2	B115	731	5.7	B.2.4-7b	0.000317	0.000317	B.2.4-5b	0.00039
Piso 2	B136	873	0.3	B.2.4-7b	0.000399	0.000399	B.2.4-5b	0.00048
Piso 2	B136	873	0.79091	B.2.4-7b	0.000374	0.000374	B.2.4-5b	0.00044
Piso 2	B136	873	1.28182	B.2.4-5b	0.000339	0.000339	B.2.4-5b	0.00041
Piso 2	B136	873	1.77273	B.2.4-5b	0.000308	0.000308	B.2.4-5b	0.00037
Piso 2	B136	873	2.26364	B.2.4-5b	0.000256	0.000256	B.2.4-5b	0.00033
Piso 2	B136	873	2.75455	B.2.4-5b	0.000191	0.000191	B.2.4-5b	0.0003
Piso 2	B136	873	3.24545	B.2.4-5b	0.000191	0.000191	B.2.4-5b	0.0003
Piso 2	B136	873	3.73636	B.2.4-5b	0.00025	0.00025	B.2.4-5b	0.00033
Piso 2	B136	873	4.22727	B.2.4-5b	0.000297	0.000297	B.2.4-5b	0.00037
Piso 2	B136	873	4.71818	B.2.4-7b	0.000334	0.000334	B.2.4-5b	0.00041
Piso 2	B136	873	5.20909	B.2.4-7b	0.000372	0.000372	B.2.4-5b	0.00044
Piso 2	B136	873	5.7	B.2.4-7b	0.000396	0.000396	B.2.4-5b	0.00048
Piso 2	B139	913	0.3	B.2.4-7b	0.000329	0.000329	B.2.4-5b	0.00046
Piso 2	B139	913	0.79091	B.2.4-7b	0.000325	0.000325	B.2.4-5b	0.00042
Piso 2	B139	913	1.28182	B.2.4-5b	0.000329	0.000329	B.2.4-5b	0.00038
Piso 2	B139	913	1.77273	B.2.4-5b	0.000317	0.000317	B.2.4-5b	0.00034

Table: Concrete Beam Design Summary - ACI 318-08, Part 2 of 4

Story	Label	UniqueName	Station	AsBotCombo	AsMinBot	AsBot	VCombo	VRebar
Unitless	Unitless	Unitless	m	Unitless	m²	m²	Unitless	m²/m
Piso 2	B139	913	2.26364	B.2.4-5b	0.000282	0.000282	B.2.4-5b	0.0003
Piso 2	B139	913	2.75455	B.2.4-5b	0.000227	0.000227	B.2.4-5b	0.00027
Piso 2	B139	913	3.24545	B.2.4-5b	0.000204	0.000204	B.2.4-5b	0.00027
Piso 2	B139	913	3.73636	B.2.4-5b	0.000244	0.000244	B.2.4-5b	0.0003
Piso 2	B139	913	4.22727	B.2.4-5b	0.000263	0.000263	B.2.4-5b	0.00034
Piso 2	B139	913	4.71818	B.2.4-7b	0.000267	0.000267	B.2.4-5b	0.00038
Piso 2	B139	913	5.20909	B.2.4-7b	0.000277	0.000277	B.2.4-5b	0.00042
Piso 2	B139	913	5.7	B.2.4-5b	0.000354	0.000354	B.2.4-5b	0.00046
Piso 2	B141	1028	0.25	B.2.4-5b	0.000263	0.000263	B.2.4-5b	0.00038
Piso 2	B141	1028	0.75	B.2.4-7b	0.000236	0.000236	B.2.4-5b	0.00035
Piso 2	B141	1028	1.25	B.2.4-7b	0.000209	0.000209	B.2.4-5b	0.00032
Piso 2	B141	1028	1.75	B.2.4-5b	0.000186	0.000186	B.2.4-5b	0.0003
Piso 2	B141	1028	2.25	B.2.4-5b	0.000157	0.000157	B.2.4-5b	0.00027
Piso 2	B141	1028	2.75	B.2.4-5b	0.000142	0.000142	B.2.4-7b	0.00025
Piso 2	B141	1028	3.25	B.2.4-5b	0.000159	0.000159	B.2.4-7b	0.00025
Piso 2	B141	1028	3.75	B.2.4-5b	0.00021	0.00021	B.2.4-5b	0.00027
Piso 2	B141	1028	4.25	B.2.4-5b	0.000245	0.000245	B.2.4-5b	0.0003
Piso 2	B141	1028	4.75	B.2.4-7b	0.000268	0.000268	B.2.4-5b	0.00032
Piso 2	B141	1028	5.25	B.2.4-7b	0.000298	0.000298	B.2.4-5b	0.00035
Piso 2	B141	1028	5.75	B.2.4-7b	0.00032	0.00032	B.2.4-5b	0.00038
Piso 2	B127	529	0.25	B.2.4-7b	0.000581	0.000581	B.2.4-5b	0.00065
Piso 2	B127	529	0.71875	B.2.4-5b	0.000514	0.000514	B.2.4-5b	0.00062
Piso 2	B127	529	1.1875	B.2.4-5b	0.000442	0.000442	B.2.4-5b	0.0006
Piso 2	B127	529	1.65625	B.2.4-5b	0.000358	0.000358	B.2.4-5b	0.00058
Piso 2	B127	529	2.125	B.2.4-5b	0.000318	0.000318	B.2.4-5b	0.00055
Piso 2	B127	529	2.59375	B.2.4-5b	0.000318	0.000318	B.2.4-5b	0.00053
Piso 2	B127	529	3.0625	B.2.4-5b	0.000318	0.000318	B.2.4-5b	0.00051
Piso 2	B127	529	3.53125	B.2.4-5b	0.000318	0.000318	B.2.4-5b	0.00052
Piso 2	B127	529	4	B.2.4-5b	0.000318	0.000318	B.2.4-5b	0.00054
Piso 2	B127	529	4	B.2.4-5b	0.000303	0.000303	B.2.4-5b	0.00059
Piso 2	B127	529	4.4	B.2.4-5b	0.000303	0.000303	B.2.4-5b	0.00061
Piso 2	B127	529	4.4	B.2.4-5b	0.000302	0.000302	B.2.4-5b	0.00062
Piso 2	B127	529	4.8	B.2.4-5b	0.000302	0.000302	B.2.4-5b	0.00064
Piso 2	B127	529	4.8	B.2.4-5b	0.0003	0.0003	B.2.4-5b	0.00067
Piso 2	B127	529	5.2	B.2.4-7b	0.000315	0.000315	B.2.4-5b	0.00069
Piso 2	B127	529	5.2	B.2.4-7b	0.000315	0.000315	B.2.4-5b	0.00069
Piso 2	B127	529	5.35	B.2.4-5b	0.000533	0.000533	B.2.4-5b	0.0007
Piso 2	B129	537	0.25	B.2.4-7b	0.000452	0.000452	B.2.4-5b	0.00047
Piso 2	B129	537	0.69	B.2.4-7b	0.000358	0.000358	B.2.4-5b	0.00045
Piso 2	B129	537	1.13	B.2.4-7b	0.000259	0.000259	B.2.4-5b	0.00044
Piso 2	B129	537	1.57	B.2.4-7b	0.000188	0.000188	B.2.4-5b	0.00043
Piso 2	B129	537	2.01	B.2.4-7b	0.000188	0.000188	B.2.4-7b	0.00041
Piso 2	B129	537	2.45	B.2.4-5b	0.00024	0.00024	B.2.4-5b	0.00043
Piso 2	B129	537	2.89	B.2.4-5b	0.000353	0.000353	B.2.4-5b	0.00044
Piso 2	B129	537	3.33	B.2.4-7b	0.000452	0.000452	B.2.4-5b	0.00045
Piso 2	B129	537	3.77	B.2.4-7b	0.000452	0.000452	B.2.4-5b	0.00047
Piso 2	B130	541	0.3	B.2.4-7b	0.000452	0.000452	B.2.4-5b	0.00055

Table: Concrete Beam Design Summary - ACI 318-08, Part 2 of 4

Story	Label	UniqueName	Station	AsBotCombo	AsMinBot	AsBot	VCombo	VRebar
Unitless	Unitless	Unitless	m	Unitless	m²	m²	Unitless	m²/m
Piso 2	B130	541	0.44667	B.2.4-7b	0.000452	0.000452	B.2.4-5b	0.00054
Piso 2	B130	541	0.44667	B.2.4-7b	0.000452	0.000452	B.2.4-5b	0.00054
Piso 2	B130	541	0.89333	B.2.4-7b	0.000371	0.000371	B.2.4-5b	0.00051
Piso 2	B130	541	0.89333	B.2.4-7b	0.000372	0.000372	B.2.4-5b	0.00051
Piso 2	B130	541	1.34	B.2.4-5b	0.000255	0.000255	B.2.4-5b	0.00049
Piso 2	B130	541	1.34	B.2.4-5b	0.000256	0.000256	B.2.4-5b	0.00049
Piso 2	B130	541	1.78667	B.2.4-5b	0.000175	0.000175	B.2.4-5b	0.00046
Piso 2	B130	541	1.78667	B.2.4-5b	0.000176	0.000176	B.2.4-5b	0.00046
Piso 2	B130	541	2.23333	B.2.4-5b	0.000176	0.000176	B.2.4-5b	0.00046
Piso 2	B130	541	2.23333	B.2.4-5b	0.000178	0.000178	B.2.4-5b	0.00046
Piso 2	B130	541	2.68	B.2.4-5b	0.000278	0.000278	B.2.4-5b	0.00048
Piso 2	B130	541	2.68	B.2.4-5b	0.000279	0.000279	B.2.4-5b	0.00048
Piso 2	B130	541	3.12667	B.2.4-5b	0.000414	0.000414	B.2.4-5b	0.00051
Piso 2	B130	541	3.12667	B.2.4-5b	0.000415	0.000415	B.2.4-5b	0.00051
Piso 2	B130	541	3.57333	B.2.4-7b	0.000452	0.000452	B.2.4-5b	0.00054
Piso 2	B130	541	3.57333	B.2.4-7b	0.000452	0.000452	B.2.4-5b	0.00054
Piso 2	B130	541	3.77	B.2.4-7b	0.000452	0.000452	B.2.4-5b	0.00055
Piso 2	B131	545	0.3	B.2.4-7b	0.000391	0.000391	B.2.4-5b	0.00056
Piso 2	B131	545	0.44667	B.2.4-7b	0.000355	0.000355	B.2.4-5b	0.00055
Piso 2	B131	545	0.44667	B.2.4-7b	0.000351	0.000351	B.2.4-5b	0.00053
Piso 2	B131	545	0.89333	B.2.4-7b	0.000282	0.000282	B.2.4-5b	0.0005
Piso 2	B131	545	0.89333	B.2.4-7b	0.000276	0.000276	B.2.4-5b	0.0005
Piso 2	B131	545	1.34	B.2.4-5b	0.000208	0.000208	B.2.4-5b	0.00048
Piso 2	B131	545	1.34	B.2.4-5b	0.000203	0.000203	B.2.4-5b	0.00046
Piso 2	B131	545	1.78667	B.2.4-5b	0.000148	0.000148	B.2.4-5b	0.00044
Piso 2	B131	545	1.78667	B.2.4-5b	0.000149	0.000149	B.2.4-5b	0.00043
Piso 2	B131	545	2.23333	B.2.4-5b	0.000148	0.000148	B.2.4-5b	0.00043
Piso 2	B131	545	2.23333	B.2.4-5b	0.000148	0.000148	B.2.4-5b	0.00044
Piso 2	B131	545	2.68	B.2.4-5b	0.000237	0.000237	B.2.4-5b	0.00046
Piso 2	B131	545	2.68	B.2.4-5b	0.000244	0.000244	B.2.4-5b	0.00047
Piso 2	B131	545	3.12667	B.2.4-5b	0.000334	0.000334	B.2.4-5b	0.0005
Piso 2	B131	545	3.12667	B.2.4-5b	0.00034	0.00034	B.2.4-5b	0.00051
Piso 2	B131	545	3.57333	B.2.4-5b	0.000419	0.000419	B.2.4-5b	0.00053
Piso 2	B131	545	3.57333	B.2.4-5b	0.000423	0.000423	B.2.4-5b	0.00055
Piso 2	B131	545	3.77	B.2.4-7b	0.000452	0.000452	B.2.4-5b	0.00056
Piso 2	B478	533	0.25	B.2.4-5b	0.000702	0.000702	B.2.4-7b	0.00032
Piso 2	B478	533	0.6	B.2.4-5b	0.000392	0.000392	B.2.4-7b	0.00031
Piso 2	B478	533	0.6	B.2.4-5b	0.000387	0.000387	B.2.4-6b	0.00016
Piso 2	B478	533	1	B.2.4-5b	0.000387	0.000387	B.2.4-6b	0.00016
Piso 2	B478	533	1.4	B.2.4-5b	0.000387	0.000387	B.2.4-6b	0.00016
Piso 2	B478	533	1.4	B.2.4-5b	0.000381	0.000381	B.2.4-1	0.00011
Piso 2	B478	533	1.8	B.2.4-5b	0.000431	0.000431	B.2.4-1	0.00011
Piso 2	B478	533	2.2	B.2.4-5b	0.000558	0.000558	B.2.4-1	0.00011
Piso 2	B478	533	2.2	B.2.4-5b	0.000553	0.000553	B.2.4-2	0.00016
Piso 2	B478	533	2.6	B.2.4-5b	0.000633	0.000633	B.2.4-2	0.00016
Piso 2	B478	533	3	B.2.4-5b	0.000707	0.000707	B.2.4-2	0.00016
Piso 2	B478	533	3	B.2.4-5b	0.000701	0.000701	B.2.4-7b	0

Table: Concrete Beam Design Summary - ACI 318-08, Part 2 of 4

Story	Label	UniqueName	Station	AsBotCombo	AsMinBot	AsBot	VCombo	VRebar
Unitless	Unitless	Unitless	m	Unitless	m²	m²	Unitless	m²/m
Piso 2	B478	533	3.4	B.2.4-5b	0.00073	0.00073	B.2.4-7b	0
Piso 2	B478	533	3.8	B.2.4-2	0.000774	0.000774	B.2.4-7b	0
Piso 2	B478	533	3.8	B.2.4-2	0.000776	0.000776	B.2.4-7b	0
Piso 2	B478	533	4.2	B.2.4-2	0.000789	0.000789	B.2.4-7b	0
Piso 2	B478	533	4.6	B.2.4-5b	0.00083	0.00083	B.2.4-7b	0
Piso 2	B478	533	4.6	B.2.4-5b	0.000823	0.000823	B.2.4-7b	0
Piso 2	B478	533	5	B.2.4-5b	0.000828	0.000828	B.2.4-7b	0
Piso 2	B478	533	5.4	B.2.4-5b	0.000828	0.000828	B.2.4-7b	0
Piso 2	B478	533	5.4	B.2.4-5b	0.000819	0.000819	B.2.4-2	0.00017
Piso 2	B478	533	5.8	B.2.4-5b	0.000774	0.000774	B.2.4-2	0.00017
Piso 2	B478	533	6.2	B.2.4-5b	0.00072	0.00072	B.2.4-2	0.00017
Piso 2	B478	533	6.2	B.2.4-5b	0.000712	0.000712	B.2.4-1	0.00012
Piso 2	B478	533	6.6	B.2.4-5b	0.000614	0.000614	B.2.4-7b	0.00012
Piso 2	B478	533	7	B.2.4-5b	0.000509	0.000509	B.2.4-7b	0.00014
Piso 2	B478	533	7	B.2.4-5b	0.000506	0.000506	B.2.4-7b	0.00018
Piso 2	B478	533	7.4	B.2.4-7b	0.00041	0.00041	B.2.4-7b	0.0002
Piso 2	B478	533	7.8	B.2.4-5b	0.000336	0.000336	B.2.4-7b	0.00022
Piso 2	B478	533	7.8	B.2.4-5b	0.000341	0.000341	B.2.4-7b	0.00023
Piso 2	B478	533	8.15	B.2.4-5b	0.000642	0.000642	B.2.4-7b	0.00025
Piso 2	B14	789	0.3	B.2.4-5b	0.000509	0.000509	B.2.4-5b	0.0007
Piso 2	B14	789	0.4	B.2.4-7b	0.000483	0.000483	B.2.4-5b	0.0007
Piso 2	B14	789	0.4	B.2.4-7b	0.000484	0.000484	B.2.4-5b	0.00058
Piso 2	B14	789	0.43333	B.2.4-7b	0.000484	0.000484	B.2.4-5b	0.00058
Piso 2	B14	789	0.43333	B.2.4-7b	0.000483	0.000483	B.2.4-5b	0.00063
Piso 2	B14	789	0.8	B.2.4-7b	0.000466	0.000466	B.2.4-5b	0.00061
Piso 2	B14	789	0.8	B.2.4-7b	0.000473	0.000473	B.2.4-5b	0.00064
Piso 2	B14	789	0.86667	B.2.4-7b	0.000465	0.000465	B.2.4-5b	0.00063
Piso 2	B14	789	0.86667	B.2.4-7b	0.000466	0.000466	B.2.4-5b	0.00063
Piso 2	B14	789	1.3	B.2.4-7b	0.000404	0.000404	B.2.4-5b	0.00061
Piso 2	B14	789	1.3	B.2.4-7b	0.000416	0.000416	B.2.4-7b	0.00052
Piso 2	B14	789	1.75	B.2.4-7b	0.000314	0.000314	B.2.4-5b	0.00053
Piso 2	B14	789	2.2	B.2.4-5b	0.000288	0.000288	B.2.4-5b	0.00055
Piso 2	B14	789	2.65	B.2.4-5b	0.000288	0.000288	B.2.4-5b	0.00056
Piso 2	B14	789	3.1	B.2.4-5b	0.000288	0.000288	B.2.4-5b	0.00058
Piso 2	B14	789	3.55	B.2.4-5b	0.000288	0.000288	B.2.4-5b	0.0006
Piso 2	B14	789	4	B.2.4-7b	0.000377	0.000377	B.2.4-5b	0.00062
Piso 2	B101	801	0.3	B.2.4-5b	0.000642	0.000642	B.2.4-5b	0.00082
Piso 2	B101	801	0.43333	B.2.4-5b	0.000333	0.000333	B.2.4-5b	0.00082
Piso 2	B101	801	0.43333	B.2.4-5b	0.000333	0.000333	B.2.4-5b	0.00081
Piso 2	B101	801	0.86667	B.2.4-5b	0.000333	0.000333	B.2.4-5b	0.00079
Piso 2	B101	801	0.86667	B.2.4-5b	0.000333	0.000333	B.2.4-5b	0.00078
Piso 2	B101	801	1.3	B.2.4-5b	0.000333	0.000333	B.2.4-5b	0.00076
Piso 2	B101	801	1.3	B.2.4-5b	0.000352	0.000352	B.2.4-5b	0.0006
Piso 2	B101	801	1.75	B.2.4-5b	0.000352	0.000352	B.2.4-5b	0.00062
Piso 2	B101	801	2.2	B.2.4-5b	0.000352	0.000352	B.2.4-5b	0.00064
Piso 2	B101	801	2.65	B.2.4-5b	0.000352	0.000352	B.2.4-5b	0.00066
Piso 2	B101	801	3.1	B.2.4-5b	0.000352	0.000352	B.2.4-5b	0.00067

Table: Concrete Beam Design Summary - ACI 318-08, Part 2 of 4

Story	Label	UniqueName	Station	AsBotCombo	AsMinBot	AsBot	VCombo	VRebar
Unitless	Unitless	Unitless	m	Unitless	m²	m²	Unitless	m²/m
Piso 2	B101	801	3.55	B.2.4-5b	0.000352	0.000352	B.2.4-5b	0.00069
Piso 2	B101	801	4	B.2.4-5b	0.000359	0.000359	B.2.4-5b	0.00071
Piso 2	B140	813	0.3	B.2.4-5b	0.000528	0.000528	B.2.4-5b	0.00065
Piso 2	B140	813	0.43333	B.2.4-7b	0.000356	0.000356	B.2.4-5b	0.00064
Piso 2	B140	813	0.43333	B.2.4-7b	0.000359	0.000359	B.2.4-5b	0.00064
Piso 2	B140	813	0.86667	B.2.4-7b	0.000327	0.000327	B.2.4-5b	0.00062
Piso 2	B140	813	0.86667	B.2.4-7b	0.000328	0.000328	B.2.4-5b	0.00062
Piso 2	B140	813	1.3	B.2.4-7b	0.000289	0.000289	B.2.4-5b	0.0006
Piso 2	B140	813	1.3	B.2.4-7b	0.000296	0.000296	B.2.4-7b	0.00051
Piso 2	B140	813	1.75	B.2.4-5b	0.000291	0.000291	B.2.4-5b	0.00051
Piso 2	B140	813	2.2	B.2.4-5b	0.000291	0.000291	B.2.4-5b	0.00053
Piso 2	B140	813	2.65	B.2.4-5b	0.000291	0.000291	B.2.4-5b	0.00055
Piso 2	B140	813	3.1	B.2.4-5b	0.000291	0.000291	B.2.4-5b	0.00056
Piso 2	B140	813	3.55	B.2.4-5b	0.000291	0.000291	B.2.4-5b	0.00058
Piso 2	B140	813	4	B.2.4-7b	0.000339	0.000339	B.2.4-5b	0.0006
Piso 2	B158	965	0.2	B.2.4-7b	0.000186	0.000186	B.2.4-7b	0.00033
Piso 2	B158	965	0.66667	B.2.4-5b	0.000194	0.000194	B.2.4-7b	0.00033
Piso 2	B158	965	1.13333	B.2.4-5b	0.000199	0.000199	B.2.4-7b	0.00033
Piso 2	B158	965	1.6	B.2.4-5b	0.000194	0.000194	B.2.4-7b	0.00033
Piso 2	B158	965	2.06667	B.2.4-5b	0.000179	0.000179	B.2.4-7b	0.00033
Piso 2	B158	965	2.53333	B.2.4-5b	0.000154	0.000154	B.2.4-7b	0.00033
Piso 2	B158	965	3	B.2.4-5b	0.000119	0.000119	B.2.4-7b	0.00033
Piso 2	B158	965	3.46667	B.2.4-3b	9.5E-05	9.5E-05	B.2.4-7b	0.00033
Piso 2	B158	965	3.93333	B.2.4-5b	9.3E-05	9.3E-05	B.2.4-7b	0.00033
Piso 2	B158	965	4.4	B.2.4-5b	9.2E-05	9.2E-05	B.2.4-7b	0.00033
Piso 2	B158	965	4.86667	B.2.4-7b	8.6E-05	8.6E-05	B.2.4-7b	0.00033
Piso 2	B158	965	5.33333	B.2.4-5b	8.2E-05	8.2E-05	B.2.4-7b	0.00033
Piso 2	B158	965	5.8	B.2.4-5b	0.00016	0.00016	B.2.4-7b	0.00033
Piso 2	B159	969	0.2	B.2.4-5b	0.000158	0.000158	B.2.4-7b	0.00033
Piso 2	B159	969	0.66667	B.2.4-5b	8.2E-05	8.2E-05	B.2.4-7b	0.00033
Piso 2	B159	969	1.13333	B.2.4-7b	8.8E-05	8.8E-05	B.2.4-7b	0.00033
Piso 2	B159	969	1.6	B.2.4-5b	9.4E-05	9.4E-05	B.2.4-7b	0.00033
Piso 2	B159	969	2.06667	B.2.4-5b	9.5E-05	9.5E-05	B.2.4-7b	0.00033
Piso 2	B159	969	2.53333	B.2.4-3b	9.6E-05	9.6E-05	B.2.4-7b	0.00033
Piso 2	B159	969	3	B.2.4-5b	0.00012	0.00012	B.2.4-7b	0.00033
Piso 2	B159	969	3.46667	B.2.4-5b	0.000155	0.000155	B.2.4-7b	0.00033
Piso 2	B159	969	3.93333	B.2.4-5b	0.000179	0.000179	B.2.4-7b	0.00033
Piso 2	B159	969	4.4	B.2.4-5b	0.000194	0.000194	B.2.4-7b	0.00033
Piso 2	B159	969	4.86667	B.2.4-5b	0.000199	0.000199	B.2.4-7b	0.00033
Piso 2	B159	969	5.33333	B.2.4-5b	0.000193	0.000193	B.2.4-7b	0.00033
Piso 2	B159	969	5.8	B.2.4-7b	0.000185	0.000185	B.2.4-7b	0.00033
Piso 2	B4	1005	0.2	B.2.4-5b	0.000239	0.000239	B.2.4-5b	0.00047
Piso 2	B4	1005	0.64625	B.2.4-7b	0.000174	0.000174	B.2.4-5b	0.00045
Piso 2	B4	1005	1.0925	B.2.4-5b	0.000136	0.000136	B.2.4-5b	0.00043
Piso 2	B4	1005	1.53875	B.2.4-5b	0.000136	0.000136	B.2.4-5b	0.00041
Piso 2	B4	1005	1.985	B.2.4-5b	0.000136	0.000136	B.2.4-7b	0.0004
Piso 2	B4	1005	2.43125	B.2.4-7b	0.000178	0.000178	B.2.4-5b	0.00041

Table: Concrete Beam Design Summary - ACI 318-08, Part 2 of 4

Story	Label	UniqueName	Station	AsBotCombo	AsMinBot	AsBot	VCombo	VRebar
Unitless	Unitless	Unitless	m	Unitless	m²	m²	Unitless	m²/m
Piso 2	B4	1005	2.8775	B.2.4-7b	0.000261	0.000261	B.2.4-5b	0.00043
Piso 2	B4	1005	3.32375	B.2.4-7b	0.000338	0.000338	B.2.4-5b	0.00045
Piso 2	B4	1005	3.77	B.2.4-7b	0.000409	0.000409	B.2.4-5b	0.00047
Piso 2	B18	849	0.3	B.2.4-7b	0.000804	0.000804	B.2.4-5b	0.00126
Piso 2	B18	849	0.6275	B.2.4-7b	0.000686	0.000686	B.2.4-5b	0.00125
Piso 2	B18	849	0.955	B.2.4-7b	0.000643	0.000643	B.2.4-5b	0.00124
Piso 2	B18	849	0.955	B.2.4-5b	0.000633	0.000633	B.2.4-5b	0.00107
Piso 2	B18	849	1.32	B.2.4-5b	0.000633	0.000633	B.2.4-5b	0.00105
Piso 2	B18	849	1.685	B.2.4-5b	0.000633	0.000633	B.2.4-5b	0.00104
Piso 2	B18	849	2.05	B.2.4-5b	0.000633	0.000633	B.2.4-5b	0.00102
Piso 2	B18	849	2.05	B.2.4-5b	0.000601	0.000601	B.2.4-5b	0.00108
Piso 2	B18	849	2.45	B.2.4-5b	0.000601	0.000601	B.2.4-5b	0.0011
Piso 2	B18	849	2.85	B.2.4-5b	0.000695	0.000695	B.2.4-5b	0.00111
Piso 2	B18	849	2.85	B.2.4-5b	0.000645	0.000645	B.2.4-5b	0.00125
Piso 2	B18	849	3.125	B.2.4-5b	0.000702	0.000702	B.2.4-5b	0.00126
Piso 2	B18	849	3.4	B.2.4-5b	0.000756	0.000756	B.2.4-5b	0.00128
Piso 2	B77	853	0.25	B.2.4-5b	0.00072	0.00072	B.2.4-5b	0.00066
Piso 2	B77	853	0.72222	B.2.4-5b	0.000653	0.000653	B.2.4-5b	0.00064
Piso 2	B77	853	1.19444	B.2.4-5b	0.000572	0.000572	B.2.4-5b	0.00062
Piso 2	B77	853	1.66667	B.2.4-5b	0.000478	0.000478	B.2.4-5b	0.0006
Piso 2	B77	853	2.13889	B.2.4-5b	0.00046	0.00046	B.2.4-5b	0.00059
Piso 2	B77	853	2.61111	B.2.4-5b	0.00046	0.00046	B.2.4-5b	0.00059
Piso 2	B77	853	3.08333	B.2.4-5b	0.00046	0.00046	B.2.4-5b	0.0006
Piso 2	B77	853	3.55556	B.2.4-5b	0.000518	0.000518	B.2.4-5b	0.00062
Piso 2	B77	853	4.02778	B.2.4-5b	0.000576	0.000576	B.2.4-5b	0.00064
Piso 2	B77	853	4.5	B.2.4-5b	0.000621	0.000621	B.2.4-5b	0.00066
Piso 2	B80	1057	0.25	B.2.4-5b	0.000562	0.000562	B.2.4-5b	0.00062
Piso 2	B80	1057	0.68571	B.2.4-7b	0.000454	0.000454	B.2.4-5b	0.00059
Piso 2	B80	1057	1.12143	B.2.4-7b	0.000456	0.000456	B.2.4-5b	0.00057
Piso 2	B80	1057	1.55714	B.2.4-5b	0.000473	0.000473	B.2.4-5b	0.00054
Piso 2	B80	1057	1.99286	B.2.4-5b	0.000484	0.000484	B.2.4-5b	0.00051
Piso 2	B80	1057	2.42857	B.2.4-5b	0.000481	0.000481	B.2.4-5b	0.00048
Piso 2	B80	1057	2.86429	B.2.4-5b	0.000477	0.000477	B.2.4-5b	0.00045
Piso 2	B80	1057	3.3	B.2.4-5b	0.000593	0.000593	B.2.4-5b	0.00042
Piso 2	B80	1057	3.3	B.2.4-5b	0.000345	0.000345	B.2.4-5b	0.00044
Piso 2	B80	1057	3.79	B.2.4-5b	0.00035	0.00035	B.2.4-5b	0.00048
Piso 2	B80	1057	4.28	B.2.4-5b	0.000331	0.000331	B.2.4-5b	0.00052
Piso 2	B80	1057	4.77	B.2.4-5b	0.000289	0.000289	B.2.4-5b	0.00057
Piso 2	B80	1057	5.26	B.2.4-7b	0.000261	0.000261	B.2.4-5b	0.00061
Piso 2	B80	1057	5.75	B.2.4-5b	0.000384	0.000384	B.2.4-5b	0.00065
Piso 2	B143	1009	0.2	B.2.4-5b	0.000247	0.000247	B.2.4-5b	0.00034
Piso 2	B143	1009	0.68333	B.2.4-5b	0.000182	0.000182	B.2.4-5b	0.00033
Piso 2	B143	1009	1.16667	B.2.4-5b	0.00011	0.00011	B.2.4-5b	0.00031
Piso 2	B143	1009	1.65	B.2.4-5b	7.8E-05	7.8E-05	B.2.4-7b	0.0003
Piso 2	B143	1009	2.13333	B.2.4-5b	8.6E-05	8.6E-05	B.2.4-5b	0.00031
Piso 2	B143	1009	2.61667	B.2.4-7b	0.000147	0.000147	B.2.4-5b	0.00033
Piso 2	B143	1009	3.1	B.2.4-7b	0.000204	0.000204	B.2.4-5b	0.00034

Table: Concrete Beam Design Summary - ACI 318-08, Part 2 of 4

Story	Label	UniqueName	Station	AsBotCombo	AsMinBot	AsBot	VCombo	VRebar
Unitless	Unitless	Unitless	m	Unitless	m²	m²	Unitless	m²/m
Piso 2	B153	1013	0	B.2.4-5b	0.000331	0.000331	B.2.4-7b	0.00067
Piso 2	B153	1013	0.4	B.2.4-5b	0.000367	0.000367	B.2.4-7b	0.00066
Piso 2	B153	1013	0.8	B.2.4-5b	0.00041	0.00041	B.2.4-7b	0.00064
Piso 2	B153	1013	0.8	B.2.4-5b	0.000376	0.000376	B.2.4-7b	0.00053
Piso 2	B153	1013	1.2	B.2.4-5b	0.000428	0.000428	B.2.4-7b	0.00052
Piso 2	B153	1013	1.6	B.2.4-5b	0.000515	0.000515	B.2.4-7b	0.00051
Piso 2	B153	1013	1.6	B.2.4-5b	0.000472	0.000472	B.2.4-7b	0.0004
Piso 2	B153	1013	2	B.2.4-5b	0.000474	0.000474	B.2.4-7b	0.00041
Piso 2	B153	1013	2.4	B.2.4-5b	0.000469	0.000469	B.2.4-7b	0.00043
Piso 2	B153	1013	2.4	B.2.4-5b	0.00043	0.00043	B.2.4-7b	0.00053
Piso 2	B153	1013	2.77	B.2.4-5b	0.00035	0.00035	B.2.4-7b	0.00054
Piso 2	B153	1013	2.77	B.2.4-5b	0.000316	0.000316	B.2.4-7b	0.00059
Piso 2	B153	1013	3.2	B.2.4-5b	0.000256	0.000256	B.2.4-7b	0.0006
Piso 2	B153	1013	3.2	B.2.4-5b	0.000241	0.000241	B.2.4-7b	0.00066
Piso 2	B153	1013	3.5	B.2.4-5b	0.000241	0.000241	B.2.4-7b	0.00066
Piso 2	B153	1013	3.8	B.2.4-5b	0.0004	0.0004	B.2.4-7b	0.00067
Piso 2	B175	1017	0.2	B.2.4-5b	0.000379	0.000379	B.2.4-5b	0.00059
Piso 2	B175	1017	0.64625	B.2.4-7b	0.000267	0.000267	B.2.4-5b	0.00057
Piso 2	B175	1017	1.0925	B.2.4-5b	0.000231	0.000231	B.2.4-5b	0.00055
Piso 2	B175	1017	1.53875	B.2.4-5b	0.000231	0.000231	B.2.4-5b	0.00053
Piso 2	B175	1017	1.985	B.2.4-5b	0.000231	0.000231	B.2.4-7b	0.00052
Piso 2	B175	1017	2.43125	B.2.4-5b	0.000231	0.000231	B.2.4-5b	0.00053
Piso 2	B175	1017	2.8775	B.2.4-5b	0.000334	0.000334	B.2.4-5b	0.00055
Piso 2	B175	1017	3.32375	B.2.4-5b	0.000443	0.000443	B.2.4-5b	0.00057
Piso 2	B175	1017	3.77	B.2.4-5b	0.000543	0.000543	B.2.4-5b	0.00059
Piso 2	B194	1021	0.2	B.2.4-5b	0.000298	0.000298	B.2.4-5b	0.00053
Piso 2	B194	1021	0.65	B.2.4-5b	0.000199	0.000199	B.2.4-5b	0.00051
Piso 2	B194	1021	1.1	B.2.4-5b	0.000101	0.000101	B.2.4-5b	0.00048
Piso 2	B194	1021	1.55	B.2.4-5b	0.000101	0.000101	B.2.4-5b	0.00048
Piso 2	B194	1021	2	B.2.4-7b	0.000116	0.000116	B.2.4-5b	0.00051
Piso 2	B194	1021	2.45	B.2.4-5b	0.000184	0.000184	B.2.4-5b	0.00053
Piso 2	B204	1053	0	B.2.4-5b	7.3E-05	7.3E-05	B.2.4-5b	0.00039
Piso 2	B204	1053	0.35	B.2.4-5b	6.2E-05	6.2E-05	B.2.4-5b	0.00038
Piso 2	B204	1053	0.7	B.2.4-5b	0.000108	0.000108	B.2.4-5b	0.00036
Piso 2	B204	1053	0.7	B.2.4-5b	0.000163	0.000163	B.2.4-7b	0.00033
Piso 2	B204	1053	1.1	B.2.4-5b	0.000206	0.000206	B.2.4-7b	0.00033
Piso 2	B204	1053	1.5	B.2.4-5b	0.000243	0.000243	B.2.4-7b	0.00033
Piso 2	B204	1053	1.5	B.2.4-5b	0.000335	0.000335	B.2.4-7b	0.00033
Piso 2	B204	1053	1.9	B.2.4-5b	0.00034	0.00034	B.2.4-7b	0.00033
Piso 2	B204	1053	2.3	B.2.4-5b	0.000338	0.000338	B.2.4-7b	0.00033
Piso 2	B204	1053	2.3	B.2.4-5b	0.000419	0.000419	B.2.4-7b	0.00033
Piso 2	B204	1053	2.7	B.2.4-5b	0.000386	0.000386	B.2.4-7b	0.00033
Piso 2	B204	1053	3.1	B.2.4-5b	0.000349	0.000349	B.2.4-7b	0.00033
Piso 2	B204	1053	3.1	B.2.4-5b	0.000386	0.000386	B.2.4-7b	0.00033
Piso 2	B204	1053	3.5	B.2.4-5b	0.000329	0.000329	B.2.4-7b	0.00033
Piso 2	B204	1053	3.9	B.2.4-5b	0.000313	0.000313	B.2.4-7b	0.00033
Piso 2	B204	1053	3.9	B.2.4-5b	0.000323	0.000323	B.2.4-5b	0.00033

Table: Concrete Beam Design Summary - ACI 318-08, Part 2 of 4

Story	Label	UniqueName	Station	AsBotCombo	AsMinBot	AsBot	VCombo	VRebar
Unitless	Unitless	Unitless	m	Unitless	m²	m²	Unitless	m²/m
Piso 2	B204	1053	4.325	B.2.4-5b	0.000323	0.000323	B.2.4-5b	0.00035
Piso 2	B204	1053	4.75	B.2.4-5b	0.000384	0.000384	B.2.4-5b	0.00037
Piso 2	B466	738	0	B.2.4-7b	2.3E-05	2.3E-05	B.2.4-5b	0.00025
Piso 2	B466	738	0.4125	B.2.4-5b	7.5E-05	7.5E-05	B.2.4-5b	0.00025
Piso 2	B466	738	0.825	B.2.4-5b	0.000119	0.000119	B.2.4-5b	0.00025
Piso 2	B466	738	1.2375	B.2.4-5b	0.000156	0.000156	B.2.4-5b	0.00025
Piso 2	B466	738	1.65	B.2.4-5b	0.000184	0.000184	B.2.4-5b	0.00025
Piso 2	B466	738	1.65	B.2.4-5b	0.0003	0.0003	B.2.4-7b	0.0001
Piso 2	B466	738	2.0625	B.2.4-5b	0.000244	0.000244	B.2.4-7b	0.00012
Piso 2	B466	738	2.475	B.2.4-5b	0.000181	0.000181	B.2.4-7b	0.00013
Piso 2	B466	738	2.8875	B.2.4-5b	0.000111	0.000111	B.2.4-7b	0.00015
Piso 2	B466	738	3.3	B.2.4-7b	3.8E-05	3.8E-05	B.2.4-7b	0.00016
Piso 2	B26	11	0.2	B.2.4-5b	0.000222	0.000222	B.2.4-5b	0.00079
Piso 2	B26	11	0.617	B.2.4-5b	0.000258	0.000258	B.2.4-5b	0.00077
Piso 2	B26	11	0.617	B.2.4-5b	0.00026	0.00026	B.2.4-5b	0.00066
Piso 2	B26	11	1.017	B.2.4-5b	0.000237	0.000237	B.2.4-5b	0.00064
Piso 2	B26	11	1.417	B.2.4-2	0.000265	0.000265	B.2.4-5b	0.00063
Piso 2	B26	11	1.417	B.2.4-2	0.000265	0.000265	B.2.4-5b	0.0005
Piso 2	B26	11	1.817	B.2.4-5b	0.000301	0.000301	B.2.4-5b	0.00048
Piso 2	B26	11	2.217	B.2.4-5b	0.000334	0.000334	B.2.4-7b	0.00046
Piso 2	B26	11	2.217	B.2.4-5b	0.000338	0.000338	B.2.4-5b	0.00059
Piso 2	B26	11	2.617	B.2.4-5b	0.000307	0.000307	B.2.4-5b	0.00061
Piso 2	B26	11	3.017	B.2.4-7b	0.000284	0.000284	B.2.4-5b	0.00062
Piso 2	B26	11	3.017	B.2.4-7b	0.000285	0.000285	B.2.4-5b	0.00072
Piso 2	B26	11	3.417	B.2.4-7b	0.000259	0.000259	B.2.4-5b	0.00074
Piso 2	B26	11	3.417	B.2.4-7b	0.000255	0.000255	B.2.4-5b	0.00081
Piso 2	B26	11	3.567	B.2.4-5b	0.000376	0.000376	B.2.4-5b	0.00082
Piso 2	B38	15	0.2	B.2.4-5b	0.000226	0.000226	B.2.4-5b	0.00106
Piso 2	B38	15	0.5535	B.2.4-5b	0.000297	0.000297	B.2.4-5b	0.00104
Piso 2	B38	15	0.907	B.2.4-2	0.000403	0.000403	B.2.4-5b	0.00103
Piso 2	B38	15	0.907	B.2.4-2	0.000404	0.000404	B.2.4-5b	0.00073
Piso 2	B38	15	1.307	B.2.4-2	0.000415	0.000415	B.2.4-5b	0.00071
Piso 2	B38	15	1.707	B.2.4-5b	0.000473	0.000473	B.2.4-5b	0.00069
Piso 2	B38	15	1.707	B.2.4-5b	0.000481	0.000481	B.2.4-5b	0.00075
Piso 2	B38	15	2.107	B.2.4-5b	0.000414	0.000414	B.2.4-5b	0.00077
Piso 2	B38	15	2.507	B.2.4-5b	0.000342	0.000342	B.2.4-5b	0.00078
Piso 2	B38	15	2.507	B.2.4-5b	0.00035	0.00035	B.2.4-5b	0.00109
Piso 2	B38	15	2.782	B.2.4-7b	0.000262	0.000262	B.2.4-5b	0.00109
Piso 2	B38	15	3.057	B.2.4-5b	0.000408	0.000408	B.2.4-5b	0.0011
Piso 2	B39	17	0.2	B.2.4-5b	0.000232	0.000232	B.2.4-7b	0.00072
Piso 2	B39	17	0.362	B.2.4-5b	0.000315	0.000315	B.2.4-7b	0.00072
Piso 2	B39	17	0.362	B.2.4-5b	0.000315	0.000315	B.2.4-7b	0.00061
Piso 2	B39	17	0.762	B.2.4-5b	0.000409	0.000409	B.2.4-7b	0.0006
Piso 2	B39	17	1.162	B.2.4-2	0.000566	0.000566	B.2.4-7b	0.00059
Piso 2	B39	17	1.162	B.2.4-2	0.000565	0.000565	B.2.4-7b	0.00046
Piso 2	B39	17	1.562	B.2.4-2	0.000564	0.000564	B.2.4-7b	0.00045
Piso 2	B39	17	1.962	B.2.4-2	0.000555	0.000555	B.2.4-7b	0.00044

Table: Concrete Beam Design Summary - ACI 318-08, Part 2 of 4

Story	Label	UniqueName	Station	AsBotCombo	AsMinBot	AsBot	VCombo	VRebar
Unitless	Unitless	Unitless	m	Unitless	m²	m²	Unitless	m²/m
Piso 2	B39	17	1.962	B.2.4-2	0.000555	0.000555	B.2.4-7b	0.00051
Piso 2	B39	17	2.362	B.2.4-5b	0.000446	0.000446	B.2.4-7b	0.00053
Piso 2	B39	17	2.762	B.2.4-5b	0.000341	0.000341	B.2.4-7b	0.00054
Piso 2	B39	17	2.762	B.2.4-5b	0.000352	0.000352	B.2.4-7b	0.00066
Piso 2	B39	17	3.037	B.2.4-7b	0.000207	0.000207	B.2.4-7b	0.00067
Piso 2	B39	17	3.312	B.2.4-5b	0.000295	0.000295	B.2.4-7b	0.00068
Piso 2	B78	20	0.2	B.2.4-5b	0.000239	0.000239	B.2.4-5b	0.00029
Piso 2	B78	20	0.66712	B.2.4-5b	0.00026	0.00026	B.2.4-5b	0.00027
Piso 2	B78	20	1.13424	B.2.4-5b	0.00027	0.00027	B.2.4-7b	0.00025
Piso 2	B78	20	1.60135	B.2.4-5b	0.000267	0.000267	B.2.4-7b	0.00025
Piso 2	B78	20	2.06847	B.2.4-5b	0.000252	0.000252	B.2.4-7b	0.00025
Piso 2	B78	20	2.53559	B.2.4-5b	0.000225	0.000225	B.2.4-7b	0.00025
Piso 2	B78	20	3.00271	B.2.4-5b	0.000187	0.000187	B.2.4-7b	0.00025
Piso 2	B78	20	3.46983	B.2.4-5b	0.000139	0.000139	B.2.4-7b	0.00025
Piso 2	B78	20	3.93694	B.2.4-5b	0.000128	0.000128	B.2.4-7b	0.00025
Piso 2	B78	20	4.40406	B.2.4-5b	0.000109	0.000109	B.2.4-7b	0.00025
Piso 2	B78	20	4.87118	B.2.4-7b	8.6E-05	8.6E-05	B.2.4-7b	0.00025
Piso 2	B78	20	5.3383	B.2.4-5b	8.4E-05	8.4E-05	B.2.4-5b	0.00026
Piso 2	B78	20	5.80542	B.2.4-5b	0.000155	0.000155	B.2.4-5b	0.00028
Piso 2	B79	21	0.2	B.2.4-5b	0.000127	0.000127	B.2.4-7b	0.00025
Piso 2	B79	21	0.66712	B.2.4-5b	6.8E-05	6.8E-05	B.2.4-7b	0.00025
Piso 2	B79	21	1.13424	B.2.4-5b	6.8E-05	6.8E-05	B.2.4-7b	0.00025
Piso 2	B79	21	1.60135	B.2.4-5b	6.8E-05	6.8E-05	B.2.4-7b	0.00025
Piso 2	B79	21	2.06847	B.2.4-5b	6.8E-05	6.8E-05	B.2.4-7b	0.00025
Piso 2	B79	21	2.53559	B.2.4-5b	6.8E-05	6.8E-05	B.2.4-7b	0.00025
Piso 2	B79	21	3.00271	B.2.4-5b	6.8E-05	6.8E-05	B.2.4-7b	0.00025
Piso 2	B79	21	3.46983	B.2.4-5b	6.9E-05	6.9E-05	B.2.4-7b	0.00025
Piso 2	B79	21	3.93694	B.2.4-5b	7.4E-05	7.4E-05	B.2.4-7b	0.00025
Piso 2	B79	21	4.40406	B.2.4-7b	7.2E-05	7.2E-05	B.2.4-7b	0.00025
Piso 2	B79	21	4.87118	B.2.4-7b	6.8E-05	6.8E-05	B.2.4-7b	0.00025
Piso 2	B79	21	5.3383	B.2.4-5b	6.8E-05	6.8E-05	B.2.4-7b	0.00025
Piso 2	B79	21	5.80542	B.2.4-5b	0.000108	0.000108	B.2.4-7b	0.00025
Piso 2	B81	22	0.2	B.2.4-5b	0.000192	0.000192	B.2.4-5b	0.00034
Piso 2	B81	22	0.66712	B.2.4-5b	0.000103	0.000103	B.2.4-5b	0.00031
Piso 2	B81	22	1.13424	B.2.4-5b	0.000103	0.000103	B.2.4-5b	0.00028
Piso 2	B81	22	1.60135	B.2.4-5b	0.000105	0.000105	B.2.4-5b	0.00026
Piso 2	B81	22	2.06847	B.2.4-5b	0.00013	0.00013	B.2.4-7b	0.00025
Piso 2	B81	22	2.53559	B.2.4-5b	0.000141	0.000141	B.2.4-7b	0.00025
Piso 2	B81	22	3.00271	B.2.4-5b	0.000193	0.000193	B.2.4-7b	0.00025
Piso 2	B81	22	3.46983	B.2.4-5b	0.000235	0.000235	B.2.4-7b	0.00025
Piso 2	B81	22	3.93694	B.2.4-5b	0.000263	0.000263	B.2.4-7b	0.00025
Piso 2	B81	22	4.40406	B.2.4-5b	0.000278	0.000278	B.2.4-5b	0.00026
Piso 2	B81	22	4.87118	B.2.4-5b	0.000279	0.000279	B.2.4-5b	0.00028
Piso 2	B81	22	5.3383	B.2.4-5b	0.000267	0.000267	B.2.4-5b	0.00031
Piso 2	B81	22	5.80542	B.2.4-5b	0.000242	0.000242	B.2.4-5b	0.00033
Piso 2	B3	66	0.3	B.2.4-5b	0.001004	0.001004	B.2.4-5b	0.00144
Piso 2	B3	66	0.4775	B.2.4-5b	0.000649	0.000649	B.2.4-5b	0.00143

Table: Concrete Beam Design Summary - ACI 318-08, Part 2 of 4

Story	Label	UniqueName	Station	AsBotCombo	AsMinBot	AsBot	VCombo	VRebar
Unitless	Unitless	Unitless	m	Unitless	m²	m²	Unitless	m²/m
Piso 2	B3	66	0.4775	B.2.4-5b	0.000652	0.000652	B.2.4-5b	0.00143
Piso 2	B3	66	0.955	B.2.4-5b	0.000652	0.000652	B.2.4-5b	0.0014
Piso 2	B3	66	0.955	B.2.4-5b	0.000637	0.000637	B.2.4-5b	0.00116
Piso 2	B3	66	1.3375	B.2.4-5b	0.000637	0.000637	B.2.4-5b	0.00114
Piso 2	B3	66	1.3375	B.2.4-5b	0.000646	0.000646	B.2.4-5b	0.00114
Piso 2	B3	66	1.72	B.2.4-5b	0.000646	0.000646	B.2.4-5b	0.00112
Piso 2	B3	66	1.72	B.2.4-5b	0.000655	0.000655	B.2.4-5b	0.00106
Piso 2	B3	66	2.05	B.2.4-5b	0.000655	0.000655	B.2.4-5b	0.00105
Piso 2	B3	66	2.05	B.2.4-5b	0.000624	0.000624	B.2.4-5b	0.0012
Piso 2	B3	66	2.45	B.2.4-5b	0.000624	0.000624	B.2.4-5b	0.00122
Piso 2	B3	66	2.85	B.2.4-5b	0.000624	0.000624	B.2.4-5b	0.00124
Piso 2	B3	66	2.85	B.2.4-5b	0.000584	0.000584	B.2.4-5b	0.00138
Piso 2	B3	66	3.125	B.2.4-5b	0.000584	0.000584	B.2.4-5b	0.00139
Piso 2	B3	66	3.4	B.2.4-7b	0.000616	0.000616	B.2.4-5b	0.00141
Piso 2	B9	67	0.25	B.2.4-5b	0.000448	0.000448	B.2.4-5b	0.00094
Piso 2	B9	67	0.55	B.2.4-7b	0.000423	0.000423	B.2.4-5b	0.00093
Piso 2	B9	67	0.55	B.2.4-7b	0.000433	0.000433	B.2.4-5b	0.00092
Piso 2	B9	67	0.7	B.2.4-5b	0.000451	0.000451	B.2.4-5b	0.00091
Piso 2	B9	67	0.7	B.2.4-5b	0.000383	0.000383	B.2.4-5b	0.00082
Piso 2	B9	67	1.1	B.2.4-5b	0.000403	0.000403	B.2.4-5b	0.0008
Piso 2	B9	67	1.5	B.2.4-5b	0.000415	0.000415	B.2.4-5b	0.00078
Piso 2	B9	67	1.5	B.2.4-5b	0.000419	0.000419	B.2.4-5b	0.00069
Piso 2	B9	67	1.9	B.2.4-5b	0.000382	0.000382	B.2.4-5b	0.00067
Piso 2	B9	67	2.3	B.2.4-5b	0.000371	0.000371	B.2.4-5b	0.00065
Piso 2	B9	67	2.3	B.2.4-5b	0.000433	0.000433	B.2.4-5b	0.00056
Piso 2	B9	67	2.59	B.2.4-5b	0.000481	0.000481	B.2.4-7b	0.00055
Piso 2	B9	67	2.88	B.2.4-5b	0.000529	0.000529	B.2.4-5b	0.00056
Piso 2	B9	67	2.88	B.2.4-5b	0.000491	0.000491	B.2.4-5b	0.00064
Piso 2	B9	67	3.1	B.2.4-5b	0.000507	0.000507	B.2.4-5b	0.00065
Piso 2	B9	67	3.1	B.2.4-5b	0.00054	0.00054	B.2.4-5b	0.00075
Piso 2	B9	67	3.22	B.2.4-5b	0.000534	0.000534	B.2.4-5b	0.00075
Piso 2	B9	67	3.22	B.2.4-5b	0.000524	0.000524	B.2.4-5b	0.00075
Piso 2	B9	67	3.56	B.2.4-5b	0.000503	0.000503	B.2.4-5b	0.00077
Piso 2	B9	67	3.56	B.2.4-5b	0.000496	0.000496	B.2.4-5b	0.00078
Piso 2	B9	67	3.9	B.2.4-7b	0.000473	0.000473	B.2.4-5b	0.00079
Piso 2	B9	67	3.9	B.2.4-7b	0.000486	0.000486	B.2.4-5b	0.00099
Piso 2	B9	67	4.325	B.2.4-7b	0.000436	0.000436	B.2.4-5b	0.00101
Piso 2	B9	67	4.325	B.2.4-7b	0.000432	0.000432	B.2.4-5b	0.00101
Piso 2	B9	67	4.5	B.2.4-5b	0.000561	0.000561	B.2.4-5b	0.00102
Piso 2	B574	937	0.25	B.2.4-5b	0.000535	0.000535	B.2.4-7b	0.00072
Piso 2	B574	937	0.68571	B.2.4-5b	0.000352	0.000352	B.2.4-7b	0.0007
Piso 2	B574	937	1.12143	B.2.4-5b	0.000352	0.000352	B.2.4-7b	0.00068
Piso 2	B574	937	1.55714	B.2.4-5b	0.000413	0.000413	B.2.4-7b	0.00066
Piso 2	B574	937	1.99286	B.2.4-5b	0.000512	0.000512	B.2.4-7b	0.00063
Piso 2	B574	937	2.42857	B.2.4-5b	0.0006	0.0006	B.2.4-7b	0.00061
Piso 2	B574	937	2.86429	B.2.4-5b	0.0007	0.0007	B.2.4-7b	0.00059
Piso 2	B574	937	3.3	B.2.4-5b	0.000753	0.000753	B.2.4-7b	0.00056

Table: Concrete Beam Design Summary - ACI 318-08, Part 2 of 4

Story	Label	UniqueName	Station	AsBotCombo	AsMinBot	AsBot	VCombo	VRebar
Unitless	Unitless	Unitless	m	Unitless	m²	m²	Unitless	m²/m
Piso 2	B574	937	3.3	B.2.4-5b	0.000753	0.000753	B.2.4-7b	0.00061
Piso 2	B574	937	3.79	B.2.4-5b	0.000622	0.000622	B.2.4-7b	0.00064
Piso 2	B574	937	4.28	B.2.4-5b	0.000434	0.000434	B.2.4-7b	0.00067
Piso 2	B574	937	4.77	B.2.4-5b	0.000397	0.000397	B.2.4-7b	0.00071
Piso 2	B574	937	5.26	B.2.4-5b	0.000397	0.000397	B.2.4-7b	0.00074
Piso 2	B574	937	5.75	B.2.4-5b	0.00064	0.00064	B.2.4-7b	0.00077
Piso 2	B181	481	0	B.2.4-5b	0.000166	0.000166	B.2.4-5b	0.00026
Piso 2	B181	481	0.5	B.2.4-7b	0.000163	0.000163	B.2.4-5b	0.00024
Piso 2	B181	481	0.5	B.2.4-7b	0.000151	0.000151	B.2.4-5b	0.00024
Piso 2	B181	481	1	B.2.4-5b	0.000166	0.000166	B.2.4-5b	0.00022
Piso 2	B181	481	1	B.2.4-5b	0.000155	0.000155	B.2.4-5b	0.00022
Piso 2	B181	481	1.5	B.2.4-5b	0.000168	0.000168	B.2.4-7b	0.00021
Piso 2	B181	481	1.5	B.2.4-5b	0.00016	0.00016	B.2.4-7b	0.00021
Piso 2	B181	481	2	B.2.4-5b	0.00016	0.00016	B.2.4-7b	0.00021
Piso 2	B181	481	2	B.2.4-5b	0.000154	0.000154	B.2.4-7b	0.00021
Piso 2	B181	481	2.5	B.2.4-5b	0.000141	0.000141	B.2.4-7b	0.00021
Piso 2	B181	481	2.5	B.2.4-5b	0.000136	0.000136	B.2.4-7b	0.00021
Piso 2	B181	481	3	B.2.4-5b	0.000112	0.000112	B.2.4-7b	0.00021
Piso 2	B181	481	3	B.2.4-5b	0.00011	0.00011	B.2.4-7b	0.00021
Piso 2	B181	481	3.5	B.2.4-2	9.3E-05	9.3E-05	B.2.4-7b	0.00021
Piso 2	B181	481	3.5	B.2.4-5b	9.4E-05	9.4E-05	B.2.4-7b	0.00021
Piso 2	B181	481	4	B.2.4-5b	9E-05	9E-05	B.2.4-7b	0.00021
Piso 2	B181	481	4	B.2.4-5b	9.4E-05	9.4E-05	B.2.4-7b	0.00021
Piso 2	B181	481	4.5	B.2.4-5b	9.1E-05	9.1E-05	B.2.4-7b	0.00021
Piso 2	B181	481	4.5	B.2.4-5b	9.7E-05	9.7E-05	B.2.4-7b	0.00021
Piso 2	B181	481	5	B.2.4-5b	9.7E-05	9.7E-05	B.2.4-5b	0.00022
Piso 2	B181	481	5	B.2.4-5b	0.000104	0.000104	B.2.4-5b	0.00022
Piso 2	B181	481	5.5	B.2.4-5b	0.000104	0.000104	B.2.4-5b	0.00024
Piso 2	B181	481	5.5	B.2.4-5b	0.000111	0.000111	B.2.4-5b	0.00024
Piso 2	B181	481	6	B.2.4-5b	0.000187	0.000187	B.2.4-5b	0.00026
Piso 2	B184	485	0	B.2.4-5b	0.000172	0.000172	B.2.4-5b	0.00026
Piso 2	B184	485	0.5	B.2.4-5b	9.7E-05	9.7E-05	B.2.4-5b	0.00024
Piso 2	B184	485	0.5	B.2.4-5b	9E-05	9E-05	B.2.4-5b	0.00024
Piso 2	B184	485	1	B.2.4-5b	9E-05	9E-05	B.2.4-5b	0.00022
Piso 2	B184	485	1	B.2.4-5b	8.6E-05	8.6E-05	B.2.4-5b	0.00022
Piso 2	B184	485	1.5	B.2.4-5b	8.6E-05	8.6E-05	B.2.4-7b	0.00021
Piso 2	B184	485	1.5	B.2.4-5b	8.5E-05	8.5E-05	B.2.4-7b	0.00021
Piso 2	B184	485	2	B.2.4-5b	9.2E-05	9.2E-05	B.2.4-7b	0.00021
Piso 2	B184	485	2	B.2.4-5b	9.4E-05	9.4E-05	B.2.4-7b	0.00021
Piso 2	B184	485	2.5	B.2.4-2	0.000115	0.000115	B.2.4-7b	0.00021
Piso 2	B184	485	2.5	B.2.4-2	0.000116	0.000116	B.2.4-7b	0.00021
Piso 2	B184	485	3	B.2.4-2	0.000129	0.000129	B.2.4-7b	0.00021
Piso 2	B184	485	3	B.2.4-2	0.00013	0.00013	B.2.4-7b	0.00021
Piso 2	B184	485	3.5	B.2.4-5b	0.000151	0.000151	B.2.4-7b	0.00021
Piso 2	B184	485	3.5	B.2.4-5b	0.000156	0.000156	B.2.4-7b	0.00021
Piso 2	B184	485	4	B.2.4-5b	0.000169	0.000169	B.2.4-7b	0.00021
Piso 2	B184	485	4	B.2.4-5b	0.000174	0.000174	B.2.4-7b	0.00021

Table: Concrete Beam Design Summary - ACI 318-08, Part 2 of 4

Story	Label	UniqueName	Station	AsBotCombo	AsMinBot	AsBot	VCombo	VRebar
Unitless	Unitless	Unitless	m	Unitless	m²	m²	Unitless	m²/m
Piso 2	B184	485	4.5	B.2.4-5b	0.000174	0.000174	B.2.4-7b	0.00021
Piso 2	B184	485	4.5	B.2.4-5b	0.00018	0.00018	B.2.4-7b	0.00021
Piso 2	B184	485	5	B.2.4-5b	0.000168	0.000168	B.2.4-5b	0.00022
Piso 2	B184	485	5	B.2.4-5b	0.000176	0.000176	B.2.4-5b	0.00022
Piso 2	B184	485	5.5	B.2.4-7b	0.000161	0.000161	B.2.4-5b	0.00024
Piso 2	B184	485	5.5	B.2.4-7b	0.00017	0.00017	B.2.4-5b	0.00024
Piso 2	B184	485	6	B.2.4-5b	0.000172	0.000172	B.2.4-5b	0.00026

Table: Concrete Beam Design Summary - ACI 318-08, Part 3 of 4

Table: Concrete Beam Design Summary - ACI 318-08, Part 3 of 4

Story	Label	UniqueName	Station	TLngCombo	TLngRebar	TTrnCombo	TTrnRebar	WarnMsg
Unitless	Unitless	Unitless	m	Unitless	m²	Unitless	m²/m	Unitless
Piso 2	B1	14	0.25	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B1	14	0.525	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B1	14	0.8	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B1	14	0.8	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B1	14	1.2	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B1	14	1.6	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B1	14	1.6	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B1	14	2	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B1	14	2.4	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B1	14	2.4	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B1	14	2.8	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B1	14	3.2	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B1	14	3.2	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B1	14	3.6	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B1	14	4	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B1	14	4	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B1	14	4.4	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B1	14	4.8	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B1	14	4.8	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B1	14	5.3	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B2	689	0.3	B.2.4-5b	0.001655	B.2.4-5b	0.00077	No Message
Piso 2	B2	689	0.6	B.2.4-5b	0.001655	B.2.4-5b	0.00077	No Message
Piso 2	B2	689	0.6	B.2.4-2	0.001522	B.2.4-5b	0.0005	No Message
Piso 2	B2	689	1	B.2.4-2	0.001522	B.2.4-5b	0.0005	No Message
Piso 2	B2	689	1.4	B.2.4-2	0.001522	B.2.4-5b	0.0005	No Message
Piso 2	B2	689	1.4	B.2.4-7b	0.001522	B.2.4-5b	0.00032	No Message
Piso 2	B2	689	1.8	B.2.4-7b	0.001522	B.2.4-5b	0.00032	No Message
Piso 2	B2	689	2.2	B.2.4-7b	0.001522	B.2.4-5b	0.00032	No Message
Piso 2	B2	689	2.2	B.2.4-7b	0.001522	B.2.4-5b	0.00019	No Message
Piso 2	B2	689	2.6	B.2.4-7b	0.001522	B.2.4-5b	0.00019	No Message
Piso 2	B2	689	3	B.2.4-7b	0.001522	B.2.4-5b	0.00019	No Message
Piso 2	B2	689	3	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B2	689	3.4	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B2	689	3.8	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B2	689	3.8	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B2	689	4.2	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B2	689	4.6	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B2	689	4.6	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B2	689	5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B2	689	5.4	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B2	689	5.4	B.2.4-5b	0.001522	B.2.4-5b	0.00014	No Message
Piso 2	B2	689	5.8	B.2.4-5b	0.001522	B.2.4-5b	0.00014	No Message
Piso 2	B2	689	6.2	B.2.4-5b	0.001522	B.2.4-5b	0.00014	No Message
Piso 2	B2	689	6.2	B.2.4-7b	0.001522	B.2.4-5b	0.00024	No Message
Piso 2	B2	689	6.6	B.2.4-7b	0.001522	B.2.4-5b	0.00024	No Message
Piso 2	B2	689	7	B.2.4-7b	0.001522	B.2.4-5b	0.00024	No Message
Piso 2	B2	689	7	B.2.4-2	0.001522	B.2.4-5b	0.00039	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 3 of 4

Story	Label	UniqueName	Station	TLngCombo	TLngRebar	TTrnCombo	TTrnRebar	WarnMsg
Unitless	Unitless	Unitless	m	Unitless	m²	Unitless	m²/m	Unitless
Piso 2	B2	689	7.4	B.2.4-2	0.001522	B.2.4-5b	0.00039	No Message
Piso 2	B2	689	7.8	B.2.4-2	0.001522	B.2.4-5b	0.00039	No Message
Piso 2	B2	689	7.8	B.2.4-4b	0.001522	B.2.4-5b	0.0006	No Message
Piso 2	B2	689	8.1	B.2.4-4b	0.001522	B.2.4-5b	0.0006	No Message
Piso 2	B6	721	0.25	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B6	721	0.525	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B6	721	0.8	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B6	721	0.8	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B6	721	1.2	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B6	721	1.6	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B6	721	1.6	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B6	721	2	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B6	721	2.4	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B6	721	2.4	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B6	721	2.8	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B6	721	3.2	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B6	721	3.2	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B6	721	3.6	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B6	721	4	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B6	721	4	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B6	721	4.4	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B6	721	4.4	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B6	721	4.8	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B6	721	4.8	B.2.4-4b	0.001081	B.2.4-5b	0.0003	No Message
Piso 2	B6	721	5.2	B.2.4-4b	0.001081	B.2.4-5b	0.0003	No Message
Piso 2	B6	721	5.2	B.2.4-4b	0.001081	B.2.4-5b	0.0003	No Message
Piso 2	B6	721	5.3	B.2.4-4b	0.001081	B.2.4-5b	0.0003	No Message
Piso 2	B7	725	0.3	B.2.4-7b	0.001354	B.2.4-7b	0.00063	No Message
Piso 2	B7	725	0.6	B.2.4-7b	0.001354	B.2.4-7b	0.00063	No Message
Piso 2	B7	725	0.6	B.2.4-5b	0.001219	B.2.4-7b	0.00039	No Message
Piso 2	B7	725	1	B.2.4-5b	0.001219	B.2.4-7b	0.00039	No Message
Piso 2	B7	725	1.4	B.2.4-5b	0.001219	B.2.4-7b	0.00039	No Message
Piso 2	B7	725	1.4	B.2.4-7b	0.001522	B.2.4-7b	0.00024	No Message
Piso 2	B7	725	1.8	B.2.4-7b	0.001522	B.2.4-7b	0.00024	No Message
Piso 2	B7	725	2.2	B.2.4-7b	0.001522	B.2.4-7b	0.00024	No Message
Piso 2	B7	725	2.2	B.2.4-7b	0.001522	B.2.4-7b	0.00014	No Message
Piso 2	B7	725	2.6	B.2.4-7b	0.001522	B.2.4-7b	0.00014	No Message
Piso 2	B7	725	3	B.2.4-7b	0.001522	B.2.4-7b	0.00014	No Message
Piso 2	B7	725	3	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B7	725	3.4	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B7	725	3.8	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B7	725	3.8	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B7	725	4.2	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B7	725	4.6	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B7	725	4.6	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B7	725	5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B7	725	5.4	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B7	725	5.4	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B7	725	5.8	B.2.4-7b	0	B.2.4-7b	0	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 3 of 4

Story	Label	UniqueName	Station	TLngCombo	TLngRebar	TTrnCombo	TTrnRebar	WarnMsg
Unitless	Unitless	Unitless	m	Unitless	m²	Unitless	m²/m	Unitless
Piso 2	B7	725	6.2	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B7	725	6.2	B.2.4-7b	0.001522	B.2.4-7b	0.00017	No Message
Piso 2	B7	725	6.6	B.2.4-7b	0.001522	B.2.4-7b	0.00017	No Message
Piso 2	B7	725	7	B.2.4-7b	0.001522	B.2.4-7b	0.00017	No Message
Piso 2	B7	725	7	B.2.4-5b	0.001443	B.2.4-7b	0.00029	No Message
Piso 2	B7	725	7.4	B.2.4-5b	0.001443	B.2.4-7b	0.00029	No Message
Piso 2	B7	725	7.8	B.2.4-5b	0.001443	B.2.4-7b	0.00029	No Message
Piso 2	B7	725	7.8	B.2.4-5b	0.001057	B.2.4-7b	0.00047	No Message
Piso 2	B7	725	8.1	B.2.4-5b	0.001057	B.2.4-7b	0.00047	No Message
Piso 2	B11	602	0.25	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B11	602	0.71875	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B11	602	1.1875	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B11	602	1.65625	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B11	602	2.125	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B11	602	2.59375	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B11	602	3.0625	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B11	602	3.53125	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B11	602	4	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B11	602	4	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B11	602	4.4	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B11	602	4.4	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B11	602	4.8	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B11	602	4.8	B.2.4-7b	0.000739	B.2.4-5b	0.00037	No Message
Piso 2	B11	602	5.2	B.2.4-7b	0.000739	B.2.4-5b	0.00037	No Message
Piso 2	B11	602	5.2	B.2.4-7b	0.000739	B.2.4-5b	0.00037	No Message
Piso 2	B11	602	5.3	B.2.4-7b	0.000739	B.2.4-5b	0.00037	No Message
Piso 2	B12	745	0.3	B.2.4-5b	0.001372	B.2.4-5b	0.00064	No Message
Piso 2	B12	745	0.6	B.2.4-5b	0.001372	B.2.4-5b	0.00064	No Message
Piso 2	B12	745	0.6	B.2.4-7b	0.00121	B.2.4-5b	0.00041	No Message
Piso 2	B12	745	1	B.2.4-7b	0.00121	B.2.4-5b	0.00041	No Message
Piso 2	B12	745	1.4	B.2.4-7b	0.00121	B.2.4-5b	0.00041	No Message
Piso 2	B12	745	1.4	B.2.4-7b	0.001522	B.2.4-5b	0.00025	No Message
Piso 2	B12	745	1.8	B.2.4-7b	0.001522	B.2.4-5b	0.00025	No Message
Piso 2	B12	745	2.2	B.2.4-7b	0.001522	B.2.4-5b	0.00025	No Message
Piso 2	B12	745	2.2	B.2.4-7b	0.001522	B.2.4-5b	0.00015	No Message
Piso 2	B12	745	2.6	B.2.4-7b	0.001522	B.2.4-5b	0.00015	No Message
Piso 2	B12	745	3	B.2.4-7b	0.001522	B.2.4-5b	0.00015	No Message
Piso 2	B12	745	3	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B12	745	3.4	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B12	745	3.8	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B12	745	3.8	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B12	745	4.2	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B12	745	4.6	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B12	745	4.6	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B12	745	5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B12	745	5.4	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B12	745	5.4	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B12	745	5.8	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B12	745	6.2	B.2.4-7b	0	B.2.4-7b	0	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 3 of 4

Story	Label	UniqueName	Station	TLngCombo	TLngRebar	TTrnCombo	TTrnRebar	WarnMsg
Unitless	Unitless	Unitless	m	Unitless	m²	Unitless	m²/m	Unitless
Piso 2	B12	745	6.2	B.2.4-7b	0.001522	B.2.4-5b	0.00019	No Message
Piso 2	B12	745	6.6	B.2.4-7b	0.001522	B.2.4-5b	0.00019	No Message
Piso 2	B12	745	7	B.2.4-7b	0.001522	B.2.4-5b	0.00019	No Message
Piso 2	B12	745	7	B.2.4-7b	0.0014	B.2.4-5b	0.00032	No Message
Piso 2	B12	745	7.4	B.2.4-7b	0.0014	B.2.4-5b	0.00032	No Message
Piso 2	B12	745	7.8	B.2.4-7b	0.0014	B.2.4-5b	0.00032	No Message
Piso 2	B12	745	7.8	B.2.4-5b	0.00108	B.2.4-5b	0.0005	No Message
Piso 2	B12	745	8.1	B.2.4-5b	0.00108	B.2.4-5b	0.0005	No Message
Piso 2	B16	761	0.25	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B16	761	0.71875	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B16	761	1.1875	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B16	761	1.65625	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B16	761	2.125	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B16	761	2.59375	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B16	761	3.0625	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B16	761	3.53125	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B16	761	4	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B16	761	4	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B16	761	4.4	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B16	761	4.4	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B16	761	4.8	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B16	761	4.8	B.2.4-5b	0.000714	B.2.4-5b	0.00041	No Message
Piso 2	B16	761	5.2	B.2.4-5b	0.000714	B.2.4-5b	0.00041	No Message
Piso 2	B16	761	5.2	B.2.4-5b	0.000714	B.2.4-5b	0.00041	No Message
Piso 2	B16	761	5.3	B.2.4-5b	0.000714	B.2.4-5b	0.00041	No Message
Piso 2	B17	765	0.3	B.2.4-5b	0.001795	B.2.4-5b	0.00084	No Message
Piso 2	B17	765	0.6	B.2.4-5b	0.001795	B.2.4-5b	0.00084	No Message
Piso 2	B17	765	0.6	B.2.4-4b	0.001522	B.2.4-5b	0.00054	No Message
Piso 2	B17	765	1	B.2.4-4b	0.001522	B.2.4-5b	0.00054	No Message
Piso 2	B17	765	1.4	B.2.4-4b	0.001522	B.2.4-5b	0.00054	No Message
Piso 2	B17	765	1.4	B.2.4-4b	0.001522	B.2.4-5b	0.00035	No Message
Piso 2	B17	765	1.8	B.2.4-4b	0.001522	B.2.4-5b	0.00035	No Message
Piso 2	B17	765	2.2	B.2.4-4b	0.001522	B.2.4-5b	0.00035	No Message
Piso 2	B17	765	2.2	B.2.4-7b	0.001522	B.2.4-5b	0.00021	No Message
Piso 2	B17	765	2.6	B.2.4-7b	0.001522	B.2.4-5b	0.00021	No Message
Piso 2	B17	765	3	B.2.4-7b	0.001522	B.2.4-5b	0.00021	No Message
Piso 2	B17	765	3	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B17	765	3.4	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B17	765	3.8	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B17	765	3.8	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B17	765	4.2	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B17	765	4.6	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B17	765	4.6	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B17	765	5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B17	765	5.4	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B17	765	5.4	B.2.4-7b	0.001522	B.2.4-5b	0.00018	No Message
Piso 2	B17	765	5.8	B.2.4-7b	0.001522	B.2.4-5b	0.00018	No Message
Piso 2	B17	765	6.2	B.2.4-7b	0.001522	B.2.4-5b	0.00018	No Message
Piso 2	B17	765	6.2	B.2.4-7b	0.001522	B.2.4-5b	0.00029	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 3 of 4

Story	Label	UniqueName	Station	TLngCombo	TLngRebar	TTrnCombo	TTrnRebar	WarnMsg
Unitless	Unitless	Unitless	m	Unitless	m²	Unitless	m²/m	Unitless
Piso 2	B17	765	6.6	B.2.4-7b	0.001522	B.2.4-5b	0.00029	No Message
Piso 2	B17	765	7	B.2.4-7b	0.001522	B.2.4-5b	0.00029	No Message
Piso 2	B17	765	7	B.2.4-4b	0.001522	B.2.4-5b	0.00045	No Message
Piso 2	B17	765	7.4	B.2.4-4b	0.001522	B.2.4-5b	0.00045	No Message
Piso 2	B17	765	7.8	B.2.4-4b	0.001522	B.2.4-5b	0.00045	No Message
Piso 2	B17	765	7.8	B.2.4-4b	0.001522	B.2.4-5b	0.00069	No Message
Piso 2	B17	765	8.1	B.2.4-4b	0.001522	B.2.4-5b	0.00069	No Message
Piso 2	B21	781	0.25	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B21	781	0.525	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B21	781	0.8	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B21	781	0.8	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B21	781	1.2	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B21	781	1.6	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B21	781	1.6	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B21	781	2	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B21	781	2.4	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B21	781	2.4	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B21	781	2.8	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B21	781	3.2	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B21	781	3.2	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B21	781	3.6	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B21	781	4	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B21	781	4	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B21	781	4.4	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B21	781	4.8	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B21	781	4.8	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B21	781	5.3	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B22	785	0.3	B.2.4-5b	0.001663	B.2.4-5b	0.00078	No Message
Piso 2	B22	785	0.6	B.2.4-5b	0.001663	B.2.4-5b	0.00078	No Message
Piso 2	B22	785	0.6	B.2.4-4b	0.001522	B.2.4-5b	0.00056	No Message
Piso 2	B22	785	1	B.2.4-4b	0.001522	B.2.4-5b	0.00056	No Message
Piso 2	B22	785	1.4	B.2.4-4b	0.001522	B.2.4-5b	0.00056	No Message
Piso 2	B22	785	1.4	B.2.4-6b	0.001522	B.2.4-5b	0.00045	No Message
Piso 2	B22	785	1.8	B.2.4-6b	0.001522	B.2.4-5b	0.00045	No Message
Piso 2	B22	785	2.2	B.2.4-6b	0.001522	B.2.4-5b	0.00045	No Message
Piso 2	B22	785	2.2	B.2.4-6b	0.001522	B.2.4-5b	0.00038	No Message
Piso 2	B22	785	2.525	B.2.4-6b	0.001522	B.2.4-5b	0.00038	No Message
Piso 2	B22	785	2.85	B.2.4-6b	0.001522	B.2.4-5b	0.00038	No Message
Piso 2	B22	785	2.85	B.2.4-6b	0.00151	B.2.4-5b	0.00047	No Message
Piso 2	B22	785	3	B.2.4-6b	0.00151	B.2.4-5b	0.00047	No Message
Piso 2	B22	785	3	B.2.4-7b	0.001522	B.2.4-2	0.0003	No Message
Piso 2	B22	785	3.4	B.2.4-7b	0.001522	B.2.4-2	0.0003	No Message
Piso 2	B22	785	3.8	B.2.4-7b	0.001522	B.2.4-2	0.0003	No Message
Piso 2	B22	785	3.8	B.2.4-5b	0.001522	B.2.4-5b	0.00017	No Message
Piso 2	B22	785	4.2	B.2.4-5b	0.001522	B.2.4-5b	0.00017	No Message
Piso 2	B22	785	4.6	B.2.4-5b	0.001522	B.2.4-5b	0.00017	No Message
Piso 2	B22	785	4.6	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B22	785	5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B22	785	5.4	B.2.4-7b	0	B.2.4-7b	0	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 3 of 4

Story	Label	UniqueName	Station	TLngCombo	TLngRebar	TTrnCombo	TTrnRebar	WarnMsg
Unitless	Unitless	Unitless	m	Unitless	m²	Unitless	m²/m	Unitless
Piso 2	B22	785	5.4	B.2.4-7b	0.001522	B.2.4-5b	0.00021	No Message
Piso 2	B22	785	5.8	B.2.4-7b	0.001522	B.2.4-5b	0.00021	No Message
Piso 2	B22	785	6.2	B.2.4-7b	0.001522	B.2.4-5b	0.00021	No Message
Piso 2	B22	785	6.2	B.2.4-6b	0.001522	B.2.4-5b	0.00039	No Message
Piso 2	B22	785	6.6	B.2.4-6b	0.001522	B.2.4-5b	0.00039	No Message
Piso 2	B22	785	7	B.2.4-6b	0.001522	B.2.4-5b	0.00039	No Message
Piso 2	B22	785	7	B.2.4-6b	0.001522	B.2.4-5b	0.00059	No Message
Piso 2	B22	785	7.4	B.2.4-6b	0.001522	B.2.4-5b	0.00059	No Message
Piso 2	B22	785	7.8	B.2.4-6b	0.001522	B.2.4-5b	0.00059	No Message
Piso 2	B22	785	7.8	B.2.4-5b	0.00173	B.2.4-5b	0.00081	No Message
Piso 2	B22	785	8.1	B.2.4-5b	0.00173	B.2.4-5b	0.00081	No Message
Piso 2	B24	793	0.25	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B24	793	0.525	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B24	793	0.8	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B24	793	0.8	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B24	793	1.2	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B24	793	1.6	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B24	793	1.6	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B24	793	2	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B24	793	2.4	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B24	793	2.4	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B24	793	2.8	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B24	793	3.2	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B24	793	3.2	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B24	793	3.6	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B24	793	4	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B24	793	4	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B24	793	4.4	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B24	793	4.8	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B24	793	4.8	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B24	793	5.3	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B25	797	0.3	B.2.4-5b	0.001408	B.2.4-5b	0.00066	No Message
Piso 2	B25	797	0.6	B.2.4-5b	0.001408	B.2.4-5b	0.00066	No Message
Piso 2	B25	797	0.6	B.2.4-5b	0.001183	B.2.4-7b	0.00041	No Message
Piso 2	B25	797	1	B.2.4-5b	0.001183	B.2.4-7b	0.00041	No Message
Piso 2	B25	797	1.4	B.2.4-5b	0.001183	B.2.4-7b	0.00041	No Message
Piso 2	B25	797	1.4	B.2.4-5b	0.001517	B.2.4-7b	0.00025	No Message
Piso 2	B25	797	1.8	B.2.4-5b	0.001517	B.2.4-7b	0.00025	No Message
Piso 2	B25	797	2.2	B.2.4-5b	0.001517	B.2.4-7b	0.00025	No Message
Piso 2	B25	797	2.2	B.2.4-7b	0.001522	B.2.4-5b	0.00015	No Message
Piso 2	B25	797	2.6	B.2.4-7b	0.001522	B.2.4-5b	0.00015	No Message
Piso 2	B25	797	3	B.2.4-7b	0.001522	B.2.4-5b	0.00015	No Message
Piso 2	B25	797	3	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B25	797	3.4	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B25	797	3.8	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B25	797	3.8	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B25	797	4.2	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B25	797	4.6	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B25	797	4.6	B.2.4-7b	0	B.2.4-7b	0	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 3 of 4

Story	Label	UniqueName	Station	TLngCombo	TLngRebar	TTrnCombo	TTrnRebar	WarnMsg
Unitless	Unitless	Unitless	m	Unitless	m²	Unitless	m²/m	Unitless
Piso 2	B25	797	5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B25	797	5.4	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B25	797	5.4	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B25	797	5.8	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B25	797	6.2	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B25	797	6.2	B.2.4-7b	0.001522	B.2.4-5b	0.00018	No Message
Piso 2	B25	797	6.6	B.2.4-7b	0.001522	B.2.4-5b	0.00018	No Message
Piso 2	B25	797	7	B.2.4-7b	0.001522	B.2.4-5b	0.00018	No Message
Piso 2	B25	797	7	B.2.4-7b	0.001403	B.2.4-5b	0.00031	No Message
Piso 2	B25	797	7.4	B.2.4-7b	0.001403	B.2.4-5b	0.00031	No Message
Piso 2	B25	797	7.8	B.2.4-7b	0.001403	B.2.4-5b	0.00031	No Message
Piso 2	B25	797	7.8	B.2.4-5b	0.001078	B.2.4-5b	0.0005	No Message
Piso 2	B25	797	8.1	B.2.4-5b	0.001078	B.2.4-5b	0.0005	No Message
Piso 2	B27	805	0.25	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B27	805	0.525	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B27	805	0.8	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B27	805	0.8	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B27	805	1.2	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B27	805	1.6	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B27	805	1.6	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B27	805	2	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B27	805	2.4	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B27	805	2.4	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B27	805	2.8	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B27	805	3.2	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B27	805	3.2	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B27	805	3.6	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B27	805	4	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B27	805	4	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B27	805	4.4	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B27	805	4.8	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B27	805	4.8	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B27	805	5.3	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B28	809	0.3	B.2.4-5b	0.001565	B.2.4-5b	0.00073	No Message
Piso 2	B28	809	0.6	B.2.4-5b	0.001565	B.2.4-5b	0.00073	No Message
Piso 2	B28	809	0.6	B.2.4-7b	0.001093	B.2.4-5b	0.00049	No Message
Piso 2	B28	809	1	B.2.4-7b	0.001093	B.2.4-5b	0.00049	No Message
Piso 2	B28	809	1.4	B.2.4-7b	0.001093	B.2.4-5b	0.00049	No Message
Piso 2	B28	809	1.4	B.2.4-7b	0.001418	B.2.4-5b	0.00034	No Message
Piso 2	B28	809	1.8	B.2.4-7b	0.001418	B.2.4-5b	0.00034	No Message
Piso 2	B28	809	2.2	B.2.4-7b	0.001418	B.2.4-5b	0.00034	No Message
Piso 2	B28	809	2.2	B.2.4-7b	0.001522	B.2.4-5b	0.00026	No Message
Piso 2	B28	809	2.6	B.2.4-7b	0.001522	B.2.4-5b	0.00026	No Message
Piso 2	B28	809	3	B.2.4-7b	0.001522	B.2.4-5b	0.00026	No Message
Piso 2	B28	809	3	B.2.4-7b	0.001522	B.2.4-5b	0.0002	No Message
Piso 2	B28	809	3.4	B.2.4-7b	0.001522	B.2.4-5b	0.0002	No Message
Piso 2	B28	809	3.8	B.2.4-7b	0.001522	B.2.4-5b	0.0002	No Message
Piso 2	B28	809	3.8	B.2.4-5b	0.001522	B.2.4-5b	0.00018	No Message
Piso 2	B28	809	4.25	B.2.4-5b	0.001522	B.2.4-5b	0.00018	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 3 of 4

Story	Label	UniqueName	Station	TLngCombo	TLngRebar	TTrnCombo	TTrnRebar	WarnMsg
Unitless	Unitless	Unitless	m	Unitless	m²	Unitless	m²/m	Unitless
Piso 2	B28	809	4.25	B.2.4-7b	0.001522	B.2.4-5b	0.00033	No Message
Piso 2	B28	809	4.6	B.2.4-7b	0.001522	B.2.4-5b	0.00033	No Message
Piso 2	B28	809	4.6	B.2.4-7b	0.001522	B.2.4-5b	0.00022	No Message
Piso 2	B28	809	5	B.2.4-7b	0.001522	B.2.4-5b	0.00022	No Message
Piso 2	B28	809	5.4	B.2.4-7b	0.001522	B.2.4-5b	0.00022	No Message
Piso 2	B28	809	5.4	B.2.4-7b	0.001522	B.2.4-5b	0.00013	No Message
Piso 2	B28	809	5.8	B.2.4-7b	0.001522	B.2.4-5b	0.00013	No Message
Piso 2	B28	809	6.2	B.2.4-7b	0.001522	B.2.4-5b	0.00013	No Message
Piso 2	B28	809	6.2	B.2.4-2	0.001522	B.2.4-5b	0.00031	No Message
Piso 2	B28	809	6.6	B.2.4-2	0.001522	B.2.4-5b	0.00031	No Message
Piso 2	B28	809	7	B.2.4-2	0.001522	B.2.4-5b	0.00031	No Message
Piso 2	B28	809	7	B.2.4-6b	0.001522	B.2.4-5b	0.00052	No Message
Piso 2	B28	809	7.4	B.2.4-6b	0.001522	B.2.4-5b	0.00052	No Message
Piso 2	B28	809	7.8	B.2.4-6b	0.001522	B.2.4-5b	0.00052	No Message
Piso 2	B28	809	7.8	B.2.4-5b	0.001595	B.2.4-5b	0.00074	No Message
Piso 2	B28	809	8.1	B.2.4-5b	0.001595	B.2.4-5b	0.00074	No Message
Piso 2	B30	817	0.25	B.2.4-5b	0.001432	B.2.4-5b	0.00074	No Message
Piso 2	B30	817	0.6	B.2.4-5b	0.001432	B.2.4-5b	0.00074	No Message
Piso 2	B30	817	0.6	B.2.4-6b	0.00131	B.2.4-5b	0.00044	No Message
Piso 2	B30	817	1	B.2.4-6b	0.00131	B.2.4-5b	0.00044	No Message
Piso 2	B30	817	1.4	B.2.4-6b	0.00131	B.2.4-5b	0.00044	No Message
Piso 2	B30	817	1.4	B.2.4-7b	0.00131	B.2.4-5b	0.00019	No Message
Piso 2	B30	817	1.8	B.2.4-7b	0.00131	B.2.4-5b	0.00019	No Message
Piso 2	B30	817	2.2	B.2.4-7b	0.00131	B.2.4-5b	0.00019	No Message
Piso 2	B30	817	2.2	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B30	817	2.525	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B30	817	2.85	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B30	817	2.85	B.2.4-7b	0.00131	B.2.4-5b	0.00016	No Message
Piso 2	B30	817	3.33182	B.2.4-7b	0.00131	B.2.4-5b	0.00016	No Message
Piso 2	B30	817	3.81364	B.2.4-7b	0.00131	B.2.4-5b	0.00016	No Message
Piso 2	B30	817	4.29545	B.2.4-7b	0.00131	B.2.4-5b	0.00016	No Message
Piso 2	B30	817	4.77727	B.2.4-7b	0.00131	B.2.4-5b	0.00016	No Message
Piso 2	B30	817	5.25909	B.2.4-7b	0.00131	B.2.4-5b	0.00016	No Message
Piso 2	B30	817	5.74091	B.2.4-7b	0.00131	B.2.4-5b	0.00016	No Message
Piso 2	B30	817	6.22273	B.2.4-7b	0.00131	B.2.4-5b	0.00016	No Message
Piso 2	B30	817	6.70455	B.2.4-7b	0.00131	B.2.4-5b	0.00016	No Message
Piso 2	B30	817	7.18636	B.2.4-7b	0.00131	B.2.4-5b	0.00016	No Message
Piso 2	B30	817	7.66818	B.2.4-7b	0.00131	B.2.4-5b	0.00016	No Message
Piso 2	B30	817	8.15	B.2.4-7b	0.00131	B.2.4-5b	0.00016	No Message
Piso 2	B31	16	0.25	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B31	16	0.525	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B31	16	0.8	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B31	16	0.8	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B31	16	1.2	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B31	16	1.6	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B31	16	1.6	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B31	16	2	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B31	16	2.4	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B31	16	2.4	B.2.4-7b	0	B.2.4-7b	0	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 3 of 4

Story	Label	UniqueName	Station	TLngCombo	TLngRebar	TTrnCombo	TTrnRebar	WarnMsg
Unitless	Unitless	Unitless	m	Unitless	m²	Unitless	m²/m	Unitless
Piso 2	B31	16	2.8	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B31	16	3.2	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B31	16	3.2	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B31	16	3.6	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B31	16	4	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B31	16	4	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B31	16	4.4	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B31	16	4.8	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B31	16	4.8	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B31	16	5.3	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B32	825	0.3	B.2.4-5b	0.001645	B.2.4-5b	0.00077	No Message
Piso 2	B32	825	0.6	B.2.4-5b	0.001645	B.2.4-5b	0.00077	No Message
Piso 2	B32	825	0.6	B.2.4-2	0.001522	B.2.4-5b	0.0005	No Message
Piso 2	B32	825	1	B.2.4-2	0.001522	B.2.4-5b	0.0005	No Message
Piso 2	B32	825	1.4	B.2.4-2	0.001522	B.2.4-5b	0.0005	No Message
Piso 2	B32	825	1.4	B.2.4-7b	0.00152	B.2.4-5b	0.00032	No Message
Piso 2	B32	825	1.8	B.2.4-7b	0.00152	B.2.4-5b	0.00032	No Message
Piso 2	B32	825	2.2	B.2.4-7b	0.00152	B.2.4-5b	0.00032	No Message
Piso 2	B32	825	2.2	B.2.4-7b	0.001522	B.2.4-5b	0.00019	No Message
Piso 2	B32	825	2.6	B.2.4-7b	0.001522	B.2.4-5b	0.00019	No Message
Piso 2	B32	825	3	B.2.4-7b	0.001522	B.2.4-5b	0.00019	No Message
Piso 2	B32	825	3	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B32	825	3.4	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B32	825	3.8	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B32	825	3.8	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B32	825	4.2	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B32	825	4.6	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B32	825	4.6	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B32	825	5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B32	825	5.4	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B32	825	5.4	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B32	825	5.8	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B32	825	6.2	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B32	825	6.2	B.2.4-7b	0.001522	B.2.4-5b	0.00023	No Message
Piso 2	B32	825	6.6	B.2.4-7b	0.001522	B.2.4-5b	0.00023	No Message
Piso 2	B32	825	7	B.2.4-7b	0.001522	B.2.4-5b	0.00023	No Message
Piso 2	B32	825	7	B.2.4-7b	0.001367	B.2.4-5b	0.00037	No Message
Piso 2	B32	825	7.4	B.2.4-7b	0.001367	B.2.4-5b	0.00037	No Message
Piso 2	B32	825	7.8	B.2.4-7b	0.001367	B.2.4-5b	0.00037	No Message
Piso 2	B32	825	7.8	B.2.4-2	0.001522	B.2.4-5b	0.00056	No Message
Piso 2	B32	825	8.1	B.2.4-2	0.001522	B.2.4-5b	0.00056	No Message
Piso 2	B35	837	0.25	B.2.4-2	0.001543	B.2.4-2	0.00079	No Message
Piso 2	B35	837	0.45	B.2.4-2	0.001543	B.2.4-2	0.00079	No Message
Piso 2	B35	837	0.45	B.2.4-7b	0.00131	B.2.4-5b	0.00025	No Message
Piso 2	B35	837	0.8	B.2.4-7b	0.00131	B.2.4-5b	0.00025	No Message
Piso 2	B35	837	0.8	B.2.4-7b	0.00131	B.2.4-5b	0.00025	No Message
Piso 2	B35	837	0.91	B.2.4-7b	0.00131	B.2.4-5b	0.00025	No Message
Piso 2	B35	837	0.91	B.2.4-7b	0.00131	B.2.4-5b	0.00021	No Message
Piso 2	B35	837	1.37	B.2.4-7b	0.00131	B.2.4-5b	0.00021	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 3 of 4

Story	Label	UniqueName	Station	TLngCombo	TLngRebar	TTrnCombo	TTrnRebar	WarnMsg
Unitless	Unitless	Unitless	m	Unitless	m²	Unitless	m²/m	Unitless
Piso 2	B35	837	1.37	B.2.4-5b	0.00131	B.2.4-5b	0.00018	No Message
Piso 2	B35	837	1.6	B.2.4-5b	0.00131	B.2.4-5b	0.00018	No Message
Piso 2	B35	837	1.6	B.2.4-5b	0.00131	B.2.4-5b	0.00018	No Message
Piso 2	B35	837	1.83	B.2.4-5b	0.00131	B.2.4-5b	0.00018	No Message
Piso 2	B35	837	1.83	B.2.4-1	0.00131	B.2.4-2	0.00027	No Message
Piso 2	B35	837	2.115	B.2.4-1	0.00131	B.2.4-2	0.00027	No Message
Piso 2	B35	837	2.4	B.2.4-1	0.00131	B.2.4-2	0.00027	No Message
Piso 2	B35	837	2.4	B.2.4-1	0.00131	B.2.4-2	0.00027	No Message
Piso 2	B35	837	2.8	B.2.4-1	0.00131	B.2.4-2	0.00027	No Message
Piso 2	B35	837	3.2	B.2.4-1	0.00131	B.2.4-2	0.00027	No Message
Piso 2	B35	837	3.2	B.2.4-1	0.00131	B.2.4-2	0.00027	No Message
Piso 2	B35	837	3.5	B.2.4-1	0.00131	B.2.4-2	0.00027	No Message
Piso 2	B35	837	3.8	B.2.4-1	0.00131	B.2.4-2	0.00027	No Message
Piso 2	B36	18	0.25	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B36	18	0.71875	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B36	18	1.1875	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B36	18	1.65625	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B36	18	2.125	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B36	18	2.59375	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B36	18	3.0625	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B36	18	3.53125	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B36	18	4	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B36	18	4	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B36	18	4.4	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B36	18	4.8	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B36	18	4.8	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B36	18	5.3	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B37	845	0.3	B.2.4-5b	0.001563	B.2.4-5b	0.00073	No Message
Piso 2	B37	845	0.6	B.2.4-5b	0.001563	B.2.4-5b	0.00073	No Message
Piso 2	B37	845	0.6	B.2.4-7b	0.001096	B.2.4-5b	0.00049	No Message
Piso 2	B37	845	1	B.2.4-7b	0.001096	B.2.4-5b	0.00049	No Message
Piso 2	B37	845	1.4	B.2.4-7b	0.001096	B.2.4-5b	0.00049	No Message
Piso 2	B37	845	1.4	B.2.4-7b	0.001421	B.2.4-5b	0.00034	No Message
Piso 2	B37	845	1.8	B.2.4-7b	0.001421	B.2.4-5b	0.00034	No Message
Piso 2	B37	845	2.2	B.2.4-7b	0.001421	B.2.4-5b	0.00034	No Message
Piso 2	B37	845	2.2	B.2.4-7b	0.001522	B.2.4-5b	0.00026	No Message
Piso 2	B37	845	2.6	B.2.4-7b	0.001522	B.2.4-5b	0.00026	No Message
Piso 2	B37	845	3	B.2.4-7b	0.001522	B.2.4-5b	0.00026	No Message
Piso 2	B37	845	3	B.2.4-7b	0.001522	B.2.4-5b	0.0002	No Message
Piso 2	B37	845	3.4	B.2.4-7b	0.001522	B.2.4-5b	0.0002	No Message
Piso 2	B37	845	3.8	B.2.4-7b	0.001522	B.2.4-5b	0.0002	No Message
Piso 2	B37	845	3.8	B.2.4-5b	0.001522	B.2.4-5b	0.00017	No Message
Piso 2	B37	845	4.25	B.2.4-5b	0.001522	B.2.4-5b	0.00017	No Message
Piso 2	B37	845	4.25	B.2.4-7b	0.001522	B.2.4-5b	0.00033	No Message
Piso 2	B37	845	4.6	B.2.4-7b	0.001522	B.2.4-5b	0.00033	No Message
Piso 2	B37	845	4.6	B.2.4-7b	0.001522	B.2.4-5b	0.00021	No Message
Piso 2	B37	845	5	B.2.4-7b	0.001522	B.2.4-5b	0.00021	No Message
Piso 2	B37	845	5.4	B.2.4-7b	0.001522	B.2.4-5b	0.00021	No Message
Piso 2	B37	845	5.4	B.2.4-7b	0.001522	B.2.4-5b	0.00015	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 3 of 4

Story	Label	UniqueName	Station	TLngCombo	TLngRebar	TTrnCombo	TTrnRebar	WarnMsg
Unitless	Unitless	Unitless	m	Unitless	m²	Unitless	m²/m	Unitless
Piso 2	B37	845	5.8	B.2.4-7b	0.001522	B.2.4-5b	0.00015	No Message
Piso 2	B37	845	6.2	B.2.4-7b	0.001522	B.2.4-5b	0.00015	No Message
Piso 2	B37	845	6.2	B.2.4-4b	0.001522	B.2.4-5b	0.00034	No Message
Piso 2	B37	845	6.6	B.2.4-4b	0.001522	B.2.4-5b	0.00034	No Message
Piso 2	B37	845	7	B.2.4-4b	0.001522	B.2.4-5b	0.00034	No Message
Piso 2	B37	845	7	B.2.4-6b	0.001522	B.2.4-5b	0.00054	No Message
Piso 2	B37	845	7.4	B.2.4-6b	0.001522	B.2.4-5b	0.00054	No Message
Piso 2	B37	845	7.8	B.2.4-6b	0.001522	B.2.4-5b	0.00054	No Message
Piso 2	B37	845	7.8	B.2.4-5b	0.001658	B.2.4-5b	0.00077	No Message
Piso 2	B37	845	8.1	B.2.4-5b	0.001658	B.2.4-5b	0.00077	No Message
Piso 2	B40	857	0.25	B.2.4-7b	0.000554	B.2.4-5b	0.00021	No Message
Piso 2	B40	857	0.73333	B.2.4-7b	0.000554	B.2.4-5b	0.00021	No Message
Piso 2	B40	857	1.21667	B.2.4-7b	0.000554	B.2.4-5b	0.00021	No Message
Piso 2	B40	857	1.7	B.2.4-7b	0.000554	B.2.4-5b	0.00021	No Message
Piso 2	B40	857	2.18333	B.2.4-7b	0.000554	B.2.4-5b	0.00021	No Message
Piso 2	B40	857	2.66667	B.2.4-7b	0.000554	B.2.4-5b	0.00021	No Message
Piso 2	B40	857	3.15	B.2.4-7b	0.000554	B.2.4-5b	0.00021	No Message
Piso 2	B40	857	3.15	B.2.4-7b	0.000565	B.2.4-5b	0.0002	No Message
Piso 2	B40	857	3.575	B.2.4-7b	0.000565	B.2.4-5b	0.0002	No Message
Piso 2	B40	857	4	B.2.4-7b	0.000565	B.2.4-5b	0.0002	No Message
Piso 2	B40	857	4.425	B.2.4-7b	0.000565	B.2.4-5b	0.0002	No Message
Piso 2	B40	857	4.85	B.2.4-7b	0.000565	B.2.4-5b	0.0002	No Message
Piso 2	B40	857	5.275	B.2.4-7b	0.000565	B.2.4-5b	0.0002	No Message
Piso 2	B40	857	5.7	B.2.4-7b	0.000565	B.2.4-5b	0.0002	No Message
Piso 2	B41	861	0.3	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B41	861	0.79091	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B41	861	1.28182	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B41	861	1.77273	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B41	861	2.26364	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B41	861	2.75455	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B41	861	3.24545	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B41	861	3.73636	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B41	861	4.22727	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B41	861	4.71818	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B41	861	5.20909	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B41	861	5.7	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B42	865	0.3	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B42	865	0.79091	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B42	865	1.28182	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B42	865	1.77273	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B42	865	2.26364	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B42	865	2.75455	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B42	865	3.24545	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B42	865	3.73636	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B42	865	4.22727	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B42	865	4.71818	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B42	865	5.20909	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B42	865	5.7	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B43	869	0.3	B.2.4-7b	0	B.2.4-7b	0	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 3 of 4

Story	Label	UniqueName	Station	TLngCombo	TLngRebar	TTrnCombo	TTrnRebar	WarnMsg
Unitless	Unitless	Unitless	m	Unitless	m²	Unitless	m²/m	Unitless
Piso 2	B43	869	0.79091	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B43	869	1.28182	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B43	869	1.77273	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B43	869	2.26364	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B43	869	2.75455	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B43	869	3.24545	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B43	869	3.73636	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B43	869	4.22727	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B43	869	4.71818	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B43	869	5.20909	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B43	869	5.7	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B46	881	0.3	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B46	881	0.79091	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B46	881	1.28182	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B46	881	1.77273	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B46	881	2.26364	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B46	881	2.75455	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B46	881	3.24545	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B46	881	3.73636	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B46	881	4.22727	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B46	881	4.71818	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B46	881	5.20909	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B46	881	5.7	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B47	885	0.3	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B47	885	0.79091	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B47	885	1.28182	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B47	885	1.77273	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B47	885	2.26364	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B47	885	2.75455	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B47	885	3.24545	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B47	885	3.73636	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B47	885	4.22727	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B47	885	4.71818	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B47	885	5.20909	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B47	885	5.7	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B48	889	0.3	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B48	889	0.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B48	889	0.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B48	889	1	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B48	889	1	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B48	889	1.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B48	889	1.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B48	889	2	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B48	889	2	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B48	889	2.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B48	889	2.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B48	889	3	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B48	889	3	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B48	889	3.5	B.2.4-7b	0	B.2.4-7b	0	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 3 of 4

Story	Label	UniqueName	Station	TLngCombo	TLngRebar	TTrnCombo	TTrnRebar	WarnMsg
Unitless	Unitless	Unitless	m	Unitless	m²	Unitless	m²/m	Unitless
Piso 2	B48	889	3.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B48	889	4	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B48	889	4	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B48	889	4.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B48	889	4.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B48	889	5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B48	889	5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B48	889	5.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B48	889	5.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B48	889	5.7	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B49	893	0.3	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B49	893	0.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B49	893	0.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B49	893	1	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B49	893	1	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B49	893	1.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B49	893	1.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B49	893	2	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B49	893	2	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B49	893	2.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B49	893	2.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B49	893	3	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B49	893	3	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B49	893	3.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B49	893	3.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B49	893	4	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B49	893	4	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B49	893	4.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B49	893	4.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B49	893	5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B49	893	5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B49	893	5.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B49	893	5.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B49	893	5.7	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B50	897	0.25	B.2.4-7b	0.000636	B.2.4-5b	0.00016	No Message
Piso 2	B50	897	0.5	B.2.4-7b	0.000636	B.2.4-5b	0.00016	No Message
Piso 2	B50	897	0.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B50	897	1	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B50	897	1	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B50	897	1.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B50	897	1.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B50	897	2	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B50	897	2	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B50	897	2.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B50	897	2.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B50	897	3	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B50	897	3	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B50	897	3.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B50	897	3.5	B.2.4-7b	0	B.2.4-7b	0	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 3 of 4

Story	Label	UniqueName	Station	TLngCombo	TLngRebar	TTrnCombo	TTrnRebar	WarnMsg
Unitless	Unitless	Unitless	m	Unitless	m²	Unitless	m²/m	Unitless
Piso 2	B50	897	4	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B50	897	4	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B50	897	4.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B50	897	4.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B50	897	5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B50	897	5	B.2.4-5b	0.000636	B.2.4-5b	0.0001	No Message
Piso 2	B50	897	5.5	B.2.4-5b	0.000636	B.2.4-5b	0.0001	No Message
Piso 2	B50	897	5.5	B.2.4-4b	0.000636	B.2.4-5b	0.00021	No Message
Piso 2	B50	897	5.7	B.2.4-4b	0.000636	B.2.4-5b	0.00021	No Message
Piso 2	B51	901	0.3	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B51	901	0.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B51	901	0.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B51	901	1	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B51	901	1	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B51	901	1.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B51	901	1.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B51	901	2	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B51	901	2	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B51	901	2.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B51	901	2.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B51	901	3	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B51	901	3	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B51	901	3.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B51	901	3.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B51	901	4	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B51	901	4	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B51	901	4.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B51	901	4.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B51	901	5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B51	901	5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B51	901	5.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B51	901	5.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B51	901	5.7	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B52	905	0.3	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B52	905	0.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B52	905	0.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B52	905	1	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B52	905	1	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B52	905	1.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B52	905	1.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B52	905	2	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B52	905	2	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B52	905	2.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B52	905	2.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B52	905	3	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B52	905	3	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B52	905	3.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B52	905	3.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B52	905	4	B.2.4-7b	0	B.2.4-7b	0	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 3 of 4

Story	Label	UniqueName	Station	TLngCombo	TLngRebar	TTrnCombo	TTrnRebar	WarnMsg
Unitless	Unitless	Unitless	m	Unitless	m²	Unitless	m²/m	Unitless
Piso 2	B52	905	4	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B52	905	4.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B52	905	4.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B52	905	5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B52	905	5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B52	905	5.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B52	905	5.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B52	905	5.7	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B53	909	0.3	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B53	909	0.79091	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B53	909	1.28182	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B53	909	1.77273	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B53	909	2.26364	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B53	909	2.75455	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B53	909	3.24545	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B53	909	3.73636	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B53	909	4.22727	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B53	909	4.71818	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B53	909	5.20909	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B53	909	5.7	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B59	933	0.3	B.2.4-5b	0.000628	B.2.4-5b	0.00013	No Message
Piso 2	B59	933	0.5	B.2.4-5b	0.000628	B.2.4-5b	0.00013	No Message
Piso 2	B59	933	0.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B59	933	1	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B59	933	1	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B59	933	1.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B59	933	1.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B59	933	2	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B59	933	2	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B59	933	2.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B59	933	2.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B59	933	3	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B59	933	3	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B59	933	3.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B59	933	3.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B59	933	4	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B59	933	4	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B59	933	4.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B59	933	4.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B59	933	5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B59	933	5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B59	933	5.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B59	933	5.5	B.2.4-7b	0.000636	B.2.4-5b	0.00014	No Message
Piso 2	B59	933	5.7	B.2.4-7b	0.000636	B.2.4-5b	0.00014	No Message
Piso 2	B62	945	0.25	B.2.4-7b	0.000976	B.2.4-5b	0.00012	No Message
Piso 2	B62	945	0.5	B.2.4-7b	0.000976	B.2.4-5b	0.00012	No Message
Piso 2	B62	945	0.5	B.2.4-7b	0.000976	B.2.4-5b	0.00012	No Message
Piso 2	B62	945	1	B.2.4-7b	0.000976	B.2.4-5b	0.00012	No Message
Piso 2	B62	945	1	B.2.4-7b	0.000976	B.2.4-5b	0.00012	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 3 of 4

Story	Label	UniqueName	Station	TLngCombo	TLngRebar	TTrnCombo	TTrnRebar	WarnMsg
Unitless	Unitless	Unitless	m	Unitless	m²	Unitless	m²/m	Unitless
Piso 2	B62	945	1.5	B.2.4-7b	0.000976	B.2.4-5b	0.00012	No Message
Piso 2	B62	945	1.5	B.2.4-7b	0.000976	B.2.4-5b	0.00012	No Message
Piso 2	B62	945	2	B.2.4-7b	0.000976	B.2.4-5b	0.00012	No Message
Piso 2	B62	945	2	B.2.4-7b	0.000976	B.2.4-5b	0.00012	No Message
Piso 2	B62	945	2.5	B.2.4-7b	0.000976	B.2.4-5b	0.00012	No Message
Piso 2	B62	945	2.5	B.2.4-7b	0.000976	B.2.4-5b	0.00012	No Message
Piso 2	B62	945	3	B.2.4-7b	0.000976	B.2.4-5b	0.00012	No Message
Piso 2	B62	945	3	B.2.4-7b	0.000976	B.2.4-5b	0.00012	No Message
Piso 2	B62	945	3.5	B.2.4-7b	0.000976	B.2.4-5b	0.00012	No Message
Piso 2	B62	945	3.5	B.2.4-7b	0.000976	B.2.4-5b	0.00012	No Message
Piso 2	B62	945	4	B.2.4-7b	0.000976	B.2.4-5b	0.00012	No Message
Piso 2	B62	945	4	B.2.4-7b	0.000976	B.2.4-5b	0.00012	No Message
Piso 2	B62	945	4.5	B.2.4-7b	0.000976	B.2.4-5b	0.00012	No Message
Piso 2	B62	945	4.5	B.2.4-7b	0.000976	B.2.4-5b	0.00012	No Message
Piso 2	B62	945	5	B.2.4-7b	0.000976	B.2.4-5b	0.00012	No Message
Piso 2	B62	945	5	B.2.4-5b	0.000976	B.2.4-5b	0.00012	No Message
Piso 2	B62	945	5.5	B.2.4-5b	0.000976	B.2.4-5b	0.00012	No Message
Piso 2	B62	945	5.5	B.2.4-5b	0.000976	B.2.4-5b	0.00012	No Message
Piso 2	B62	945	5.75	B.2.4-5b	0.000976	B.2.4-5b	0.00012	No Message
Piso 2	B63	949	0.25	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B63	949	0.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B63	949	0.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B63	949	1	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B63	949	1	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B63	949	1.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B63	949	1.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B63	949	2	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B63	949	2	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B63	949	2.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B63	949	2.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B63	949	3	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B63	949	3	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B63	949	3.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B63	949	3.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B63	949	4	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B63	949	4	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B63	949	4.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B63	949	4.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B63	949	5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B63	949	5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B63	949	5.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B63	949	5.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B63	949	5.75	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B64	953	0.25	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B64	953	0.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B64	953	0.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B64	953	1	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B64	953	1	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B64	953	1.5	B.2.4-7b	0	B.2.4-7b	0	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 3 of 4

Story	Label	UniqueName	Station	TLngCombo	TLngRebar	TTrnCombo	TTrnRebar	WarnMsg
Unitless	Unitless	Unitless	m	Unitless	m²	Unitless	m²/m	Unitless
Piso 2	B64	953	1.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B64	953	2	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B64	953	2	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B64	953	2.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B64	953	2.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B64	953	3	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B64	953	3	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B64	953	3.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B64	953	3.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B64	953	4	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B64	953	4	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B64	953	4.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B64	953	4.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B64	953	5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B64	953	5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B64	953	5.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B64	953	5.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B64	953	5.75	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B65	957	0.25	B.2.4-7b	0.000976	B.2.4-5b	0.00019	No Message
Piso 2	B65	957	0.7125	B.2.4-7b	0.000976	B.2.4-5b	0.00019	No Message
Piso 2	B65	957	1.175	B.2.4-7b	0.000976	B.2.4-5b	0.00019	No Message
Piso 2	B65	957	1.6375	B.2.4-7b	0.000976	B.2.4-5b	0.00019	No Message
Piso 2	B65	957	2.1	B.2.4-7b	0.000976	B.2.4-5b	0.00019	No Message
Piso 2	B65	957	2.5625	B.2.4-7b	0.000976	B.2.4-5b	0.00019	No Message
Piso 2	B65	957	3.025	B.2.4-7b	0.000976	B.2.4-5b	0.00019	No Message
Piso 2	B65	957	3.4875	B.2.4-7b	0.000976	B.2.4-5b	0.00019	No Message
Piso 2	B65	957	3.95	B.2.4-7b	0.000976	B.2.4-5b	0.00019	No Message
Piso 2	B65	957	4.4125	B.2.4-7b	0.000976	B.2.4-5b	0.00019	No Message
Piso 2	B65	957	4.875	B.2.4-7b	0.000976	B.2.4-5b	0.00019	No Message
Piso 2	B65	957	5.3375	B.2.4-7b	0.000976	B.2.4-5b	0.00019	No Message
Piso 2	B65	957	5.8	B.2.4-7b	0.000976	B.2.4-5b	0.00019	No Message
Piso 2	B66	882	0.2	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B66	882	0.66667	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B66	882	1.13333	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B66	882	1.6	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B66	882	2.06667	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B66	882	2.53333	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B66	882	3	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B66	882	3.46667	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B66	882	3.93333	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B66	882	4.4	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B66	882	4.86667	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B66	882	5.33333	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B66	882	5.8	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B70	977	0.25	B.2.4-7b	0.000636	B.2.4-5b	0.00012	No Message
Piso 2	B70	977	0.7125	B.2.4-7b	0.000636	B.2.4-5b	0.00012	No Message
Piso 2	B70	977	1.175	B.2.4-7b	0.000636	B.2.4-5b	0.00012	No Message
Piso 2	B70	977	1.6375	B.2.4-7b	0.000636	B.2.4-5b	0.00012	No Message
Piso 2	B70	977	2.1	B.2.4-7b	0.000636	B.2.4-5b	0.00012	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 3 of 4

Story	Label	UniqueName	Station	TLngCombo	TLngRebar	TTrnCombo	TTrnRebar	WarnMsg
Unitless	Unitless	Unitless	m	Unitless	m²	Unitless	m²/m	Unitless
Piso 2	B70	977	2.5625	B.2.4-7b	0.000636	B.2.4-5b	0.00012	No Message
Piso 2	B70	977	3.025	B.2.4-7b	0.000636	B.2.4-5b	0.00012	No Message
Piso 2	B70	977	3.4875	B.2.4-7b	0.000636	B.2.4-5b	0.00012	No Message
Piso 2	B70	977	3.95	B.2.4-7b	0.000636	B.2.4-5b	0.00012	No Message
Piso 2	B70	977	4.4125	B.2.4-7b	0.000636	B.2.4-5b	0.00012	No Message
Piso 2	B70	977	4.875	B.2.4-7b	0.000636	B.2.4-5b	0.00012	No Message
Piso 2	B70	977	5.3375	B.2.4-7b	0.000636	B.2.4-5b	0.00012	No Message
Piso 2	B70	977	5.8	B.2.4-7b	0.000636	B.2.4-5b	0.00012	No Message
Piso 2	B71	981	0.2	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B71	981	0.66667	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B71	981	1.13333	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B71	981	1.6	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B71	981	2.06667	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B71	981	2.53333	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B71	981	3	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B71	981	3.46667	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B71	981	3.93333	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B71	981	4.4	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B71	981	4.86667	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B71	981	5.33333	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B71	981	5.8	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B72	985	0.2	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B72	985	0.66667	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B72	985	1.13333	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B72	985	1.6	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B72	985	2.06667	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B72	985	2.53333	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B72	985	3	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B72	985	3.46667	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B72	985	3.93333	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B72	985	4.4	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B72	985	4.86667	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B72	985	5.33333	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B72	985	5.8	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B73	989	0.2	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B73	989	0.66667	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B73	989	1.13333	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B73	989	1.6	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B73	989	2.06667	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B73	989	2.53333	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B73	989	3	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B73	989	3.46667	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B73	989	3.93333	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B73	989	4.4	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B73	989	4.86667	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B73	989	5.33333	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B73	989	5.8	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B74	894	0.2	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B74	894	0.66667	B.2.4-7b	0	B.2.4-7b	0	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 3 of 4

Story	Label	UniqueName	Station	TLngCombo	TLngRebar	TTrnCombo	TTrnRebar	WarnMsg
Unitless	Unitless	Unitless	m	Unitless	m²	Unitless	m²/m	Unitless
Piso 2	B74	894	1.13333	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B74	894	1.6	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B74	894	2.06667	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B74	894	2.53333	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B74	894	3	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B74	894	3.46667	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B74	894	3.93333	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B74	894	4.4	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B74	894	4.86667	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B74	894	5.33333	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B74	894	5.8	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B76	1001	0.25	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B76	1001	0.525	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B76	1001	0.8	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B76	1001	0.8	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B76	1001	1.2	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B76	1001	1.6	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B76	1001	1.6	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B76	1001	2	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B76	1001	2.4	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B76	1001	2.4	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B76	1001	2.77	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B76	1001	2.77	B.2.4-5b	0.001081	B.2.4-5b	0.00012	No Message
Piso 2	B76	1001	3.11333	B.2.4-5b	0.001081	B.2.4-5b	0.00012	No Message
Piso 2	B76	1001	3.45667	B.2.4-5b	0.001081	B.2.4-5b	0.00012	No Message
Piso 2	B76	1001	3.8	B.2.4-5b	0.001081	B.2.4-5b	0.00012	No Message
Piso 2	B82	1025	0.25	B.2.4-4b	0.000636	B.2.4-5b	0.00018	No Message
Piso 2	B82	1025	0.5	B.2.4-4b	0.000636	B.2.4-5b	0.00018	No Message
Piso 2	B82	1025	0.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B82	1025	1	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B82	1025	1	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B82	1025	1.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B82	1025	1.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B82	1025	2	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B82	1025	2	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B82	1025	2.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B82	1025	2.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B82	1025	3	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B82	1025	3	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B82	1025	3.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B82	1025	3.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B82	1025	4	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B82	1025	4	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B82	1025	4.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B82	1025	4.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B82	1025	5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B82	1025	5	B.2.4-5b	0.000636	B.2.4-5b	0.0001	No Message
Piso 2	B82	1025	5.5	B.2.4-5b	0.000636	B.2.4-5b	0.0001	No Message
Piso 2	B82	1025	5.5	B.2.4-1	0.000608	B.2.4-5b	0.00023	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 3 of 4

Story	Label	UniqueName	Station	TLngCombo	TLngRebar	TTrnCombo	TTrnRebar	WarnMsg
Unitless	Unitless	Unitless	m	Unitless	m²	Unitless	m²/m	Unitless
Piso 2	B82	1025	5.75	B.2.4-1	0.000608	B.2.4-5b	0.00023	No Message
Piso 2	B83	1026	0.25	B.2.4-1	0.000599	B.2.4-5b	0.00026	No Message
Piso 2	B83	1026	0.5	B.2.4-1	0.000599	B.2.4-5b	0.00026	No Message
Piso 2	B83	1026	0.5	B.2.4-7b	0.000636	B.2.4-5b	0.00014	No Message
Piso 2	B83	1026	1	B.2.4-7b	0.000636	B.2.4-5b	0.00014	No Message
Piso 2	B83	1026	1	B.2.4-5b	0.000636	B.2.4-5b	0.00011	No Message
Piso 2	B83	1026	1.5	B.2.4-5b	0.000636	B.2.4-5b	0.00011	No Message
Piso 2	B83	1026	1.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B83	1026	2	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B83	1026	2	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B83	1026	2.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B83	1026	2.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B83	1026	3	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B83	1026	3	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B83	1026	3.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B83	1026	3.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B83	1026	4	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B83	1026	4	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B83	1026	4.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B83	1026	4.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B83	1026	5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B83	1026	5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B83	1026	5.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B83	1026	5.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B83	1026	5.75	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B87	1027	0.25	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B87	1027	0.75	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B87	1027	1.25	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B87	1027	1.75	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B87	1027	2.25	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B87	1027	2.75	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B87	1027	3.25	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B87	1027	3.75	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B87	1027	4.25	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B87	1027	4.75	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B87	1027	5.25	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B87	1027	5.75	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B90	1030	0.25	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B90	1030	0.75	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B90	1030	1.25	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B90	1030	1.75	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B90	1030	2.25	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B90	1030	2.75	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B90	1030	3.25	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B90	1030	3.75	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B90	1030	4.25	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B90	1030	4.75	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B90	1030	5.25	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B90	1030	5.75	B.2.4-7b	0	B.2.4-7b	0	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 3 of 4

Story	Label	UniqueName	Station	TLngCombo	TLngRebar	TTrnCombo	TTrnRebar	WarnMsg
Unitless	Unitless	Unitless	m	Unitless	m²	Unitless	m²/m	Unitless
Piso 2	B91	1031	0.25	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B91	1031	0.75	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B91	1031	1.25	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B91	1031	1.75	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B91	1031	2.25	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B91	1031	2.75	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B91	1031	3.25	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B91	1031	3.75	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B91	1031	4.25	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B91	1031	4.75	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B91	1031	5.25	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B91	1031	5.75	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B92	1032	0.25	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B92	1032	0.75	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B92	1032	1.25	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B92	1032	1.75	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B92	1032	2.25	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B92	1032	2.75	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B92	1032	3.25	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B92	1032	3.75	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B92	1032	4.25	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B92	1032	4.75	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B92	1032	5.25	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B92	1032	5.75	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B93	1033	0.25	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B93	1033	0.75	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B93	1033	1.25	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B93	1033	1.75	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B93	1033	2.25	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B93	1033	2.75	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B93	1033	3.25	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B93	1033	3.75	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B93	1033	4.25	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B93	1033	4.75	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B93	1033	5.25	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B93	1033	5.75	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B94	697	0.3	B.2.4-7b	0.000747	B.2.4-5b	0.00037	No Message
Piso 2	B94	697	0.4775	B.2.4-7b	0.000747	B.2.4-5b	0.00037	No Message
Piso 2	B94	697	0.4775	B.2.4-7b	0.000747	B.2.4-5b	0.00037	No Message
Piso 2	B94	697	0.955	B.2.4-7b	0.000747	B.2.4-5b	0.00037	No Message
Piso 2	B94	697	0.955	B.2.4-7b	0.001081	B.2.4-5b	0.00016	No Message
Piso 2	B94	697	1.3375	B.2.4-7b	0.001081	B.2.4-5b	0.00016	No Message
Piso 2	B94	697	1.3375	B.2.4-7b	0.001081	B.2.4-5b	0.00016	No Message
Piso 2	B94	697	1.72	B.2.4-7b	0.001081	B.2.4-5b	0.00016	No Message
Piso 2	B94	697	1.72	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B94	697	2.216	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B94	697	2.712	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B94	697	3.208	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B94	697	3.704	B.2.4-7b	0	B.2.4-7b	0	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 3 of 4

Story	Label	UniqueName	Station	TLngCombo	TLngRebar	TTrnCombo	TTrnRebar	WarnMsg
Unitless	Unitless	Unitless	m	Unitless	m²	Unitless	m²/m	Unitless
Piso 2	B94	697	4.2	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B94	697	4.2	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B94	697	4.666	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B94	697	5.132	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B94	697	5.598	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B94	697	6.064	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B94	697	6.53	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B94	697	6.53	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B94	697	6.87	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B94	697	6.87	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B94	697	7.21	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B94	697	7.21	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B94	697	7.55	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B94	697	7.55	B.2.4-7b	0.001076	B.2.4-5b	0.00017	No Message
Piso 2	B94	697	7.975	B.2.4-7b	0.001076	B.2.4-5b	0.00017	No Message
Piso 2	B94	697	7.975	B.2.4-7b	0.001076	B.2.4-5b	0.00017	No Message
Piso 2	B94	697	8.15	B.2.4-7b	0.001076	B.2.4-5b	0.00017	No Message
Piso 2	B95	729	0.3	B.2.4-7b	0.000769	B.2.4-5b	0.00035	No Message
Piso 2	B95	729	0.4775	B.2.4-7b	0.000769	B.2.4-5b	0.00035	No Message
Piso 2	B95	729	0.4775	B.2.4-7b	0.000769	B.2.4-5b	0.00035	No Message
Piso 2	B95	729	0.955	B.2.4-7b	0.000769	B.2.4-5b	0.00035	No Message
Piso 2	B95	729	0.955	B.2.4-7b	0.001081	B.2.4-7b	0.00015	No Message
Piso 2	B95	729	1.3375	B.2.4-7b	0.001081	B.2.4-7b	0.00015	No Message
Piso 2	B95	729	1.3375	B.2.4-7b	0.001081	B.2.4-7b	0.00015	No Message
Piso 2	B95	729	1.72	B.2.4-7b	0.001081	B.2.4-7b	0.00015	No Message
Piso 2	B95	729	1.72	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B95	729	2.216	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B95	729	2.712	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B95	729	3.208	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B95	729	3.704	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B95	729	4.2	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B95	729	4.2	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B95	729	4.666	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B95	729	5.132	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B95	729	5.598	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B95	729	6.064	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B95	729	6.53	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B95	729	6.53	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B95	729	6.87	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B95	729	6.87	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B95	729	7.21	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B95	729	7.21	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B95	729	7.55	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B95	729	7.55	B.2.4-7b	0.001081	B.2.4-7b	0.00016	No Message
Piso 2	B95	729	7.975	B.2.4-7b	0.001081	B.2.4-7b	0.00016	No Message
Piso 2	B95	729	7.975	B.2.4-7b	0.001081	B.2.4-7b	0.00016	No Message
Piso 2	B95	729	8.15	B.2.4-7b	0.001081	B.2.4-7b	0.00016	No Message
Piso 2	B96	749	0.3	B.2.4-1	0.001081	B.2.4-5b	0.00042	No Message
Piso 2	B96	749	0.3	B.2.4-1	0.001081	B.2.4-5b	0.00042	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 3 of 4

Story	Label	UniqueName	Station	TLngCombo	TLngRebar	TTrnCombo	TTrnRebar	WarnMsg
Unitless	Unitless	Unitless	m	Unitless	m²	Unitless	m²/m	Unitless
Piso 2	B96	749	0.3	B.2.4-1	0.001081	B.2.4-5b	0.00042	No Message
Piso 2	B96	749	0.4775	B.2.4-1	0.001081	B.2.4-5b	0.00042	No Message
Piso 2	B96	749	0.4775	B.2.4-1	0.001081	B.2.4-5b	0.00042	No Message
Piso 2	B96	749	0.6	B.2.4-1	0.001081	B.2.4-5b	0.00042	No Message
Piso 2	B96	749	0.6	B.2.4-1	0.001063	B.2.4-5b	0.00044	No Message
Piso 2	B96	749	0.955	B.2.4-1	0.001063	B.2.4-5b	0.00044	No Message
Piso 2	B96	749	0.955	B.2.4-3b	0.001081	B.2.4-5b	0.0002	No Message
Piso 2	B96	749	1.3375	B.2.4-3b	0.001081	B.2.4-5b	0.0002	No Message
Piso 2	B96	749	1.3375	B.2.4-3b	0.001081	B.2.4-5b	0.0002	No Message
Piso 2	B96	749	1.72	B.2.4-3b	0.001081	B.2.4-5b	0.0002	No Message
Piso 2	B96	749	1.72	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B96	749	2.216	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B96	749	2.712	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B96	749	3.208	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B96	749	3.704	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B96	749	4.2	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B96	749	4.2	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B96	749	4.666	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B96	749	5.132	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B96	749	5.598	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B96	749	6.064	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B96	749	6.53	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B96	749	6.53	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B96	749	6.87	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B96	749	6.87	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B96	749	7.21	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B96	749	7.21	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B96	749	7.55	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B96	749	7.55	B.2.4-1	0.001081	B.2.4-5b	0.00029	No Message
Piso 2	B96	749	7.975	B.2.4-1	0.001081	B.2.4-5b	0.00029	No Message
Piso 2	B96	749	7.975	B.2.4-1	0.001081	B.2.4-5b	0.00029	No Message
Piso 2	B96	749	8.15	B.2.4-1	0.001081	B.2.4-5b	0.00029	No Message
Piso 2	B121	736	0.2	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B121	736	0.69091	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B121	736	1.18182	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B121	736	1.67273	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B121	736	2.16364	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B121	736	2.65455	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B121	736	3.14545	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B121	736	3.63636	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B121	736	4.12727	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B121	736	4.61818	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B121	736	5.10909	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B121	736	5.6	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B122	746	0.2	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B122	746	0.475	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B122	746	0.475	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B122	746	0.95	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B122	746	0.95	B.2.4-7b	0	B.2.4-7b	0	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 3 of 4

Story	Label	UniqueName	Station	TLngCombo	TLngRebar	TTrnCombo	TTrnRebar	WarnMsg
Unitless	Unitless	Unitless	m	Unitless	m²	Unitless	m²/m	Unitless
Piso 2	B122	746	1.425	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B122	746	1.425	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B122	746	1.9	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B122	746	1.9	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B122	746	2.375	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B122	746	2.375	B.2.4-7b	0.000636	B.2.4-5b	0.00014	No Message
Piso 2	B122	746	2.6	B.2.4-7b	0.000636	B.2.4-5b	0.00014	No Message
Piso 2	B109	509	0.3	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B109	509	0.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B109	509	0.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B109	509	1	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B109	509	1	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B109	509	1.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B109	509	1.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B109	509	2	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B109	509	2	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B109	509	2.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B109	509	2.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B109	509	3	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B109	509	3	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B109	509	3.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B109	509	3.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B109	509	4	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B109	509	4	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B109	509	4.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B109	509	4.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B109	509	5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B109	509	5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B109	509	5.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B109	509	5.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B109	509	5.7	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B112	730	0.3	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B112	730	0.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B112	730	0.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B112	730	1	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B112	730	1	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B112	730	1.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B112	730	1.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B112	730	2	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B112	730	2	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B112	730	2.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B112	730	2.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B112	730	3	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B112	730	3	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B112	730	3.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B112	730	3.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B112	730	4	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B112	730	4	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B112	730	4.5	B.2.4-7b	0	B.2.4-7b	0	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 3 of 4

Story	Label	UniqueName	Station	TLngCombo	TLngRebar	TTrnCombo	TTrnRebar	WarnMsg
Unitless	Unitless	Unitless	m	Unitless	m²	Unitless	m²/m	Unitless
Piso 2	B112	730	4.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B112	730	5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B112	730	5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B112	730	5.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B112	730	5.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B112	730	5.7	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B115	731	0.3	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B115	731	0.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B115	731	0.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B115	731	1	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B115	731	1	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B115	731	1.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B115	731	1.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B115	731	2	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B115	731	2	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B115	731	2.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B115	731	2.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B115	731	3	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B115	731	3	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B115	731	3.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B115	731	3.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B115	731	4	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B115	731	4	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B115	731	4.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B115	731	4.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B115	731	5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B115	731	5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B115	731	5.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B115	731	5.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B115	731	5.7	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B136	873	0.3	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B136	873	0.79091	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B136	873	1.28182	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B136	873	1.77273	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B136	873	2.26364	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B136	873	2.75455	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B136	873	3.24545	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B136	873	3.73636	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B136	873	4.22727	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B136	873	4.71818	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B136	873	5.20909	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B136	873	5.7	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B139	913	0.3	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B139	913	0.79091	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B139	913	1.28182	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B139	913	1.77273	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B139	913	2.26364	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B139	913	2.75455	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B139	913	3.24545	B.2.4-7b	0	B.2.4-7b	0	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 3 of 4

Story	Label	UniqueName	Station	TLngCombo	TLngRebar	TTrnCombo	TTrnRebar	WarnMsg
Unitless	Unitless	Unitless	m	Unitless	m²	Unitless	m²/m	Unitless
Piso 2	B139	913	3.73636	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B139	913	4.22727	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B139	913	4.71818	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B139	913	5.20909	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B139	913	5.7	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B141	1028	0.25	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B141	1028	0.75	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B141	1028	1.25	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B141	1028	1.75	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B141	1028	2.25	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B141	1028	2.75	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B141	1028	3.25	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B141	1028	3.75	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B141	1028	4.25	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B141	1028	4.75	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B141	1028	5.25	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B141	1028	5.75	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B127	529	0.25	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B127	529	0.71875	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B127	529	1.1875	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B127	529	1.65625	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B127	529	2.125	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B127	529	2.59375	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B127	529	3.0625	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B127	529	3.53125	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B127	529	4	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B127	529	4	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B127	529	4.4	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B127	529	4.4	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B127	529	4.8	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B127	529	4.8	B.2.4-7b	0.00131	B.2.4-7b	0.00018	No Message
Piso 2	B127	529	5.2	B.2.4-7b	0.00131	B.2.4-7b	0.00018	No Message
Piso 2	B127	529	5.2	B.2.4-7b	0.00131	B.2.4-7b	0.00018	No Message
Piso 2	B127	529	5.35	B.2.4-7b	0.00131	B.2.4-7b	0.00018	No Message
Piso 2	B129	537	0.25	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B129	537	0.69	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B129	537	1.13	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B129	537	1.57	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B129	537	2.01	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B129	537	2.45	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B129	537	2.89	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B129	537	3.33	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B129	537	3.77	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B130	541	0.3	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B130	541	0.44667	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B130	541	0.44667	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B130	541	0.89333	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B130	541	0.89333	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B130	541	1.34	B.2.4-7b	0	B.2.4-7b	0	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 3 of 4

Story	Label	UniqueName	Station	TLngCombo	TLngRebar	TTrnCombo	TTrnRebar	WarnMsg
Unitless	Unitless	Unitless	m	Unitless	m²	Unitless	m²/m	Unitless
Piso 2	B130	541	1.34	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B130	541	1.78667	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B130	541	1.78667	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B130	541	2.23333	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B130	541	2.23333	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B130	541	2.68	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B130	541	2.68	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B130	541	3.12667	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B130	541	3.12667	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B130	541	3.57333	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B130	541	3.57333	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B130	541	3.77	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B131	545	0.3	B.2.4-7b	0.000636	B.2.4-5b	0.00015	No Message
Piso 2	B131	545	0.44667	B.2.4-7b	0.000636	B.2.4-5b	0.00015	No Message
Piso 2	B131	545	0.44667	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B131	545	0.89333	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B131	545	0.89333	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B131	545	1.34	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B131	545	1.34	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B131	545	1.78667	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B131	545	1.78667	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B131	545	2.23333	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B131	545	2.23333	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B131	545	2.68	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B131	545	2.68	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B131	545	3.12667	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B131	545	3.12667	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B131	545	3.57333	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B131	545	3.57333	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B131	545	3.77	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B478	533	0.25	B.2.4-5b	0.001311	B.2.4-5b	0.00067	No Message
Piso 2	B478	533	0.6	B.2.4-5b	0.001311	B.2.4-5b	0.00067	No Message
Piso 2	B478	533	0.6	B.2.4-6b	0.00131	B.2.4-5b	0.00046	No Message
Piso 2	B478	533	1	B.2.4-6b	0.00131	B.2.4-5b	0.00046	No Message
Piso 2	B478	533	1.4	B.2.4-6b	0.00131	B.2.4-5b	0.00046	No Message
Piso 2	B478	533	1.4	B.2.4-4b	0.00131	B.2.4-5b	0.0003	No Message
Piso 2	B478	533	1.8	B.2.4-4b	0.00131	B.2.4-5b	0.0003	No Message
Piso 2	B478	533	2.2	B.2.4-4b	0.00131	B.2.4-5b	0.0003	No Message
Piso 2	B478	533	2.2	B.2.4-7b	0.00131	B.2.4-5b	0.00019	No Message
Piso 2	B478	533	2.6	B.2.4-7b	0.00131	B.2.4-5b	0.00019	No Message
Piso 2	B478	533	3	B.2.4-7b	0.00131	B.2.4-5b	0.00019	No Message
Piso 2	B478	533	3	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B478	533	3.4	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B478	533	3.8	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B478	533	3.8	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B478	533	4.2	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B478	533	4.6	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B478	533	4.6	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B478	533	5	B.2.4-7b	0	B.2.4-7b	0	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 3 of 4

Story	Label	UniqueName	Station	TLngCombo	TLngRebar	TTrnCombo	TTrnRebar	WarnMsg
Unitless	Unitless	Unitless	m	Unitless	m²	Unitless	m²/m	Unitless
Piso 2	B478	533	5.4	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B478	533	5.4	B.2.4-7b	0.00131	B.2.4-5b	0.00017	No Message
Piso 2	B478	533	5.8	B.2.4-7b	0.00131	B.2.4-5b	0.00017	No Message
Piso 2	B478	533	6.2	B.2.4-7b	0.00131	B.2.4-5b	0.00017	No Message
Piso 2	B478	533	6.2	B.2.4-7b	0.00131	B.2.4-5b	0.00026	No Message
Piso 2	B478	533	6.6	B.2.4-7b	0.00131	B.2.4-5b	0.00026	No Message
Piso 2	B478	533	7	B.2.4-7b	0.00131	B.2.4-5b	0.00026	No Message
Piso 2	B478	533	7	B.2.4-4b	0.00131	B.2.4-5b	0.00039	No Message
Piso 2	B478	533	7.4	B.2.4-4b	0.00131	B.2.4-5b	0.00039	No Message
Piso 2	B478	533	7.8	B.2.4-4b	0.00131	B.2.4-5b	0.00039	No Message
Piso 2	B478	533	7.8	B.2.4-6b	0.00131	B.2.4-5b	0.00057	No Message
Piso 2	B478	533	8.15	B.2.4-6b	0.00131	B.2.4-5b	0.00057	No Message
Piso 2	B14	789	0.3	B.2.4-5b	0.000981	B.2.4-7b	0.00023	No Message
Piso 2	B14	789	0.4	B.2.4-5b	0.000981	B.2.4-7b	0.00023	No Message
Piso 2	B14	789	0.4	B.2.4-7b	0.000975	B.2.4-5b	0.00025	No Message
Piso 2	B14	789	0.43333	B.2.4-7b	0.000975	B.2.4-5b	0.00025	No Message
Piso 2	B14	789	0.43333	B.2.4-7b	0.000975	B.2.4-5b	0.00025	No Message
Piso 2	B14	789	0.8	B.2.4-7b	0.000975	B.2.4-5b	0.00025	No Message
Piso 2	B14	789	0.8	B.2.4-7b	0.000949	B.2.4-5b	0.00028	No Message
Piso 2	B14	789	0.86667	B.2.4-7b	0.000949	B.2.4-5b	0.00028	No Message
Piso 2	B14	789	0.86667	B.2.4-7b	0.000949	B.2.4-5b	0.00028	No Message
Piso 2	B14	789	1.3	B.2.4-7b	0.000949	B.2.4-5b	0.00028	No Message
Piso 2	B14	789	1.3	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B14	789	1.75	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B14	789	2.2	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B14	789	2.65	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B14	789	3.1	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B14	789	3.55	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B14	789	4	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B101	801	0.3	B.2.4-7b	0.000834	B.2.4-5b	0.00031	No Message
Piso 2	B101	801	0.43333	B.2.4-7b	0.000834	B.2.4-5b	0.00031	No Message
Piso 2	B101	801	0.43333	B.2.4-7b	0.000834	B.2.4-5b	0.00031	No Message
Piso 2	B101	801	0.86667	B.2.4-7b	0.000834	B.2.4-5b	0.00031	No Message
Piso 2	B101	801	0.86667	B.2.4-7b	0.000834	B.2.4-5b	0.00031	No Message
Piso 2	B101	801	1.3	B.2.4-7b	0.000834	B.2.4-5b	0.00031	No Message
Piso 2	B101	801	1.3	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B101	801	1.75	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B101	801	2.2	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B101	801	2.65	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B101	801	3.1	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B101	801	3.55	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B101	801	4	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B140	813	0.3	B.2.4-7b	0.000944	B.2.4-5b	0.00028	No Message
Piso 2	B140	813	0.43333	B.2.4-7b	0.000944	B.2.4-5b	0.00028	No Message
Piso 2	B140	813	0.43333	B.2.4-7b	0.000944	B.2.4-5b	0.00028	No Message
Piso 2	B140	813	0.86667	B.2.4-7b	0.000944	B.2.4-5b	0.00028	No Message
Piso 2	B140	813	0.86667	B.2.4-7b	0.000945	B.2.4-5b	0.00027	No Message
Piso 2	B140	813	1.3	B.2.4-7b	0.000945	B.2.4-5b	0.00027	No Message
Piso 2	B140	813	1.3	B.2.4-7b	0	B.2.4-7b	0	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 3 of 4

Story	Label	UniqueName	Station	TLngCombo	TLngRebar	TTrnCombo	TTrnRebar	WarnMsg
Unitless	Unitless	Unitless	m	Unitless	m²	Unitless	m²/m	Unitless
Piso 2	B140	813	1.75	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B140	813	2.2	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B140	813	2.65	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B140	813	3.1	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B140	813	3.55	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B140	813	4	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B158	965	0.2	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B158	965	0.66667	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B158	965	1.13333	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B158	965	1.6	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B158	965	2.06667	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B158	965	2.53333	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B158	965	3	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B158	965	3.46667	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B158	965	3.93333	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B158	965	4.4	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B158	965	4.86667	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B158	965	5.33333	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B158	965	5.8	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B159	969	0.2	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B159	969	0.66667	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B159	969	1.13333	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B159	969	1.6	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B159	969	2.06667	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B159	969	2.53333	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B159	969	3	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B159	969	3.46667	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B159	969	3.93333	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B159	969	4.4	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B159	969	4.86667	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B159	969	5.33333	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B159	969	5.8	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B4	1005	0.2	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B4	1005	0.64625	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B4	1005	1.0925	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B4	1005	1.53875	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B4	1005	1.985	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B4	1005	2.43125	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B4	1005	2.8775	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B4	1005	3.32375	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B4	1005	3.77	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B18	849	0.3	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B18	849	0.6275	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B18	849	0.955	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B18	849	0.955	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B18	849	1.32	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B18	849	1.685	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B18	849	2.05	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B18	849	2.05	B.2.4-7b	0	B.2.4-7b	0	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 3 of 4

Story	Label	UniqueName	Station	TLngCombo	TLngRebar	TTrnCombo	TTrnRebar	WarnMsg
Unitless	Unitless	Unitless	m	Unitless	m²	Unitless	m²/m	Unitless
Piso 2	B18	849	2.45	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B18	849	2.85	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B18	849	2.85	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B18	849	3.125	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B18	849	3.4	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B77	853	0.25	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B77	853	0.72222	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B77	853	1.19444	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B77	853	1.66667	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B77	853	2.13889	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B77	853	2.61111	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B77	853	3.08333	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B77	853	3.55556	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B77	853	4.02778	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B77	853	4.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B80	1057	0.25	B.2.4-5b	0.000815	B.2.4-5b	0.00014	No Message
Piso 2	B80	1057	0.68571	B.2.4-5b	0.000815	B.2.4-5b	0.00014	No Message
Piso 2	B80	1057	1.12143	B.2.4-5b	0.000815	B.2.4-5b	0.00014	No Message
Piso 2	B80	1057	1.55714	B.2.4-5b	0.000815	B.2.4-5b	0.00014	No Message
Piso 2	B80	1057	1.99286	B.2.4-5b	0.000815	B.2.4-5b	0.00014	No Message
Piso 2	B80	1057	2.42857	B.2.4-5b	0.000815	B.2.4-5b	0.00014	No Message
Piso 2	B80	1057	2.86429	B.2.4-5b	0.000815	B.2.4-5b	0.00014	No Message
Piso 2	B80	1057	3.3	B.2.4-5b	0.000815	B.2.4-5b	0.00014	No Message
Piso 2	B80	1057	3.3	B.2.4-5b	0.000815	B.2.4-5b	0.00011	No Message
Piso 2	B80	1057	3.79	B.2.4-5b	0.000815	B.2.4-5b	0.00011	No Message
Piso 2	B80	1057	4.28	B.2.4-5b	0.000815	B.2.4-5b	0.00011	No Message
Piso 2	B80	1057	4.77	B.2.4-5b	0.000815	B.2.4-5b	0.00011	No Message
Piso 2	B80	1057	5.26	B.2.4-5b	0.000815	B.2.4-5b	0.00011	No Message
Piso 2	B80	1057	5.75	B.2.4-5b	0.000815	B.2.4-5b	0.00011	No Message
Piso 2	B143	1009	0.2	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B143	1009	0.68333	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B143	1009	1.16667	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B143	1009	1.65	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B143	1009	2.13333	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B143	1009	2.61667	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B143	1009	3.1	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B153	1013	0	B.2.4-7b	0.000815	B.2.4-5b	0.00011	No Message
Piso 2	B153	1013	0.4	B.2.4-7b	0.000815	B.2.4-5b	0.00011	No Message
Piso 2	B153	1013	0.8	B.2.4-7b	0.000815	B.2.4-5b	0.00011	No Message
Piso 2	B153	1013	0.8	B.2.4-7b	0.000815	B.2.4-5b	0.00011	No Message
Piso 2	B153	1013	1.2	B.2.4-7b	0.000815	B.2.4-5b	0.00011	No Message
Piso 2	B153	1013	1.6	B.2.4-7b	0.000815	B.2.4-5b	0.00011	No Message
Piso 2	B153	1013	1.6	B.2.4-5b	0.000815	B.2.4-5b	0.00011	No Message
Piso 2	B153	1013	2	B.2.4-5b	0.000815	B.2.4-5b	0.00011	No Message
Piso 2	B153	1013	2.4	B.2.4-5b	0.000815	B.2.4-5b	0.00011	No Message
Piso 2	B153	1013	2.4	B.2.4-5b	0.000815	B.2.4-5b	0.00011	No Message
Piso 2	B153	1013	2.77	B.2.4-5b	0.000815	B.2.4-5b	0.00011	No Message
Piso 2	B153	1013	2.77	B.2.4-5b	0.000815	B.2.4-5b	0.00011	No Message
Piso 2	B153	1013	3.2	B.2.4-5b	0.000815	B.2.4-5b	0.00011	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 3 of 4

Story	Label	UniqueName	Station	TLngCombo	TLngRebar	TTrnCombo	TTrnRebar	WarnMsg
Unitless	Unitless	Unitless	m	Unitless	m²	Unitless	m²/m	Unitless
Piso 2	B153	1013	3.2	B.2.4-5b	0.000815	B.2.4-5b	0.00011	No Message
Piso 2	B153	1013	3.5	B.2.4-5b	0.000815	B.2.4-5b	0.00011	No Message
Piso 2	B153	1013	3.8	B.2.4-5b	0.000815	B.2.4-5b	0.00011	No Message
Piso 2	B175	1017	0.2	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B175	1017	0.64625	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B175	1017	1.0925	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B175	1017	1.53875	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B175	1017	1.985	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B175	1017	2.43125	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B175	1017	2.8775	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B175	1017	3.32375	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B175	1017	3.77	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B194	1021	0.2	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B194	1021	0.65	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B194	1021	1.1	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B194	1021	1.55	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B194	1021	2	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B194	1021	2.45	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B204	1053	0	B.2.4-7b	0.000815	B.2.4-5b	0.0002	No Message
Piso 2	B204	1053	0.35	B.2.4-7b	0.000815	B.2.4-5b	0.0002	No Message
Piso 2	B204	1053	0.7	B.2.4-7b	0.000815	B.2.4-5b	0.0002	No Message
Piso 2	B204	1053	0.7	B.2.4-5b	0.000815	B.2.4-5b	0.00012	No Message
Piso 2	B204	1053	1.1	B.2.4-5b	0.000815	B.2.4-5b	0.00012	No Message
Piso 2	B204	1053	1.5	B.2.4-5b	0.000815	B.2.4-5b	0.00012	No Message
Piso 2	B204	1053	1.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B204	1053	1.9	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B204	1053	2.3	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B204	1053	2.3	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B204	1053	2.7	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B204	1053	3.1	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B204	1053	3.1	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B204	1053	3.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B204	1053	3.9	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B204	1053	3.9	B.2.4-7b	0.000815	B.2.4-5b	0.00016	No Message
Piso 2	B204	1053	4.325	B.2.4-7b	0.000815	B.2.4-5b	0.00016	No Message
Piso 2	B204	1053	4.75	B.2.4-7b	0.000815	B.2.4-5b	0.00016	No Message
Piso 2	B466	738	0	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B466	738	0.4125	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B466	738	0.825	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B466	738	1.2375	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B466	738	1.65	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B466	738	1.65	B.2.4-7b	0.000593	B.2.4-5b	0.00017	No Message
Piso 2	B466	738	2.0625	B.2.4-7b	0.000593	B.2.4-5b	0.00017	No Message
Piso 2	B466	738	2.475	B.2.4-7b	0.000593	B.2.4-5b	0.00017	No Message
Piso 2	B466	738	2.8875	B.2.4-7b	0.000593	B.2.4-5b	0.00017	No Message
Piso 2	B466	738	3.3	B.2.4-7b	0.000593	B.2.4-5b	0.00017	No Message
Piso 2	B26	11	0.2	B.2.4-7b	0.001061	B.2.4-5b	0.00031	No Message
Piso 2	B26	11	0.617	B.2.4-7b	0.001061	B.2.4-5b	0.00031	No Message
Piso 2	B26	11	0.617	B.2.4-7b	0	B.2.4-7b	0	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 3 of 4

Story	Label	UniqueName	Station	TLngCombo	TLngRebar	TTrnCombo	TTrnRebar	WarnMsg
Unitless	Unitless	Unitless	m	Unitless	m²	Unitless	m²/m	Unitless
Piso 2	B26	11	1.017	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B26	11	1.417	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B26	11	1.417	B.2.4-5b	0.001081	B.2.4-5b	0.00014	No Message
Piso 2	B26	11	1.817	B.2.4-5b	0.001081	B.2.4-5b	0.00014	No Message
Piso 2	B26	11	2.217	B.2.4-5b	0.001081	B.2.4-5b	0.00014	No Message
Piso 2	B26	11	2.217	B.2.4-6b	0.001081	B.2.4-5b	0.00041	No Message
Piso 2	B26	11	2.617	B.2.4-6b	0.001081	B.2.4-5b	0.00041	No Message
Piso 2	B26	11	3.017	B.2.4-6b	0.001081	B.2.4-5b	0.00041	No Message
Piso 2	B26	11	3.017	B.2.4-5b	0.001242	B.2.4-5b	0.00071	No Message
Piso 2	B26	11	3.417	B.2.4-5b	0.001242	B.2.4-5b	0.00071	No Message
Piso 2	B26	11	3.417	B.2.4-5b	0.001149	B.2.4-5b	0.00066	No Message
Piso 2	B26	11	3.567	B.2.4-5b	0.001149	B.2.4-5b	0.00066	No Message
Piso 2	B38	15	0.2	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B38	15	0.5535	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B38	15	0.907	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B38	15	0.907	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B38	15	1.307	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B38	15	1.707	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B38	15	1.707	B.2.4-7b	0.000997	B.2.4-5b	0.00023	No Message
Piso 2	B38	15	2.107	B.2.4-7b	0.000997	B.2.4-5b	0.00023	No Message
Piso 2	B38	15	2.507	B.2.4-7b	0.000997	B.2.4-5b	0.00023	No Message
Piso 2	B38	15	2.507	B.2.4-5b	0.000865	B.2.4-5b	0.0005	No Message
Piso 2	B38	15	2.782	B.2.4-5b	0.000865	B.2.4-5b	0.0005	No Message
Piso 2	B38	15	3.057	B.2.4-5b	0.000865	B.2.4-5b	0.0005	No Message
Piso 2	B39	17	0.2	B.2.4-7b	0.001081	B.2.4-5b	0.00015	No Message
Piso 2	B39	17	0.362	B.2.4-7b	0.001081	B.2.4-5b	0.00015	No Message
Piso 2	B39	17	0.362	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B39	17	0.762	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B39	17	1.162	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B39	17	1.162	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B39	17	1.562	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B39	17	1.962	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B39	17	1.962	B.2.4-7b	0.001074	B.2.4-5b	0.0002	No Message
Piso 2	B39	17	2.362	B.2.4-7b	0.001074	B.2.4-5b	0.0002	No Message
Piso 2	B39	17	2.762	B.2.4-7b	0.001074	B.2.4-5b	0.0002	No Message
Piso 2	B39	17	2.762	B.2.4-7b	0.000727	B.2.4-5b	0.0004	No Message
Piso 2	B39	17	3.037	B.2.4-7b	0.000727	B.2.4-5b	0.0004	No Message
Piso 2	B39	17	3.312	B.2.4-7b	0.000727	B.2.4-5b	0.0004	No Message
Piso 2	B78	20	0.2	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B78	20	0.66712	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B78	20	1.13424	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B78	20	1.60135	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B78	20	2.06847	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B78	20	2.53559	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B78	20	3.00271	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B78	20	3.46983	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B78	20	3.93694	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B78	20	4.40406	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B78	20	4.87118	B.2.4-7b	0	B.2.4-7b	0	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 3 of 4

Story	Label	UniqueName	Station	TLngCombo	TLngRebar	TTrnCombo	TTrnRebar	WarnMsg
Unitless	Unitless	Unitless	m	Unitless	m²	Unitless	m²/m	Unitless
Piso 2	B78	20	5.3383	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B78	20	5.80542	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B79	21	0.2	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B79	21	0.66712	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B79	21	1.13424	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B79	21	1.60135	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B79	21	2.06847	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B79	21	2.53559	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B79	21	3.00271	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B79	21	3.46983	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B79	21	3.93694	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B79	21	4.40406	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B79	21	4.87118	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B79	21	5.3383	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B79	21	5.80542	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B81	22	0.2	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B81	22	0.66712	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B81	22	1.13424	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B81	22	1.60135	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B81	22	2.06847	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B81	22	2.53559	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B81	22	3.00271	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B81	22	3.46983	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B81	22	3.93694	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B81	22	4.40406	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B81	22	4.87118	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B81	22	5.3383	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B81	22	5.80542	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B3	66	0.3	B.2.4-7b	0.00131	B.2.4-5b	0.00022	No Message
Piso 2	B3	66	0.4775	B.2.4-7b	0.00131	B.2.4-5b	0.00022	No Message
Piso 2	B3	66	0.4775	B.2.4-7b	0.00131	B.2.4-5b	0.00022	No Message
Piso 2	B3	66	0.955	B.2.4-7b	0.00131	B.2.4-5b	0.00022	No Message
Piso 2	B3	66	0.955	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B3	66	1.3375	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B3	66	1.3375	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B3	66	1.72	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B3	66	1.72	B.2.4-5b	0.00131	B.2.4-5b	0.00015	No Message
Piso 2	B3	66	2.05	B.2.4-5b	0.00131	B.2.4-5b	0.00015	No Message
Piso 2	B3	66	2.05	B.2.4-5b	0.00131	B.2.4-5b	0.00015	No Message
Piso 2	B3	66	2.45	B.2.4-5b	0.00131	B.2.4-5b	0.00015	No Message
Piso 2	B3	66	2.85	B.2.4-5b	0.00131	B.2.4-5b	0.00015	No Message
Piso 2	B3	66	2.85	B.2.4-5b	0.00131	B.2.4-5b	0.00015	No Message
Piso 2	B3	66	3.125	B.2.4-5b	0.00131	B.2.4-5b	0.00015	No Message
Piso 2	B3	66	3.4	B.2.4-5b	0.00131	B.2.4-5b	0.00015	No Message
Piso 2	B9	67	0.25	B.2.4-4b	0.00131	B.2.4-5b	0.00043	No Message
Piso 2	B9	67	0.55	B.2.4-4b	0.00131	B.2.4-5b	0.00043	No Message
Piso 2	B9	67	0.55	B.2.4-6b	0.00131	B.2.4-5b	0.00043	No Message
Piso 2	B9	67	0.7	B.2.4-6b	0.00131	B.2.4-5b	0.00043	No Message
Piso 2	B9	67	0.7	B.2.4-7b	0.001297	B.2.4-5b	0.00024	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 3 of 4

Story	Label	UniqueName	Station	TLngCombo	TLngRebar	TTrnCombo	TTrnRebar	WarnMsg
Unitless	Unitless	Unitless	m	Unitless	m²	Unitless	m²/m	Unitless
Piso 2	B9	67	1.1	B.2.4-7b	0.001297	B.2.4-5b	0.00024	No Message
Piso 2	B9	67	1.5	B.2.4-7b	0.001297	B.2.4-5b	0.00024	No Message
Piso 2	B9	67	1.5	B.2.4-5b	0.00131	B.2.4-5b	0.00013	No Message
Piso 2	B9	67	1.9	B.2.4-5b	0.00131	B.2.4-5b	0.00013	No Message
Piso 2	B9	67	2.3	B.2.4-5b	0.00131	B.2.4-5b	0.00013	No Message
Piso 2	B9	67	2.3	B.2.4-7b	0.00131	B.2.4-5b	0.0002	No Message
Piso 2	B9	67	2.59	B.2.4-7b	0.00131	B.2.4-5b	0.0002	No Message
Piso 2	B9	67	2.88	B.2.4-7b	0.00131	B.2.4-5b	0.0002	No Message
Piso 2	B9	67	2.88	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B9	67	3.1	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B9	67	3.1	B.2.4-5b	0.00131	B.2.4-5b	0.00015	No Message
Piso 2	B9	67	3.22	B.2.4-5b	0.00131	B.2.4-5b	0.00015	No Message
Piso 2	B9	67	3.22	B.2.4-5b	0.00131	B.2.4-5b	0.00015	No Message
Piso 2	B9	67	3.56	B.2.4-5b	0.00131	B.2.4-5b	0.00015	No Message
Piso 2	B9	67	3.56	B.2.4-5b	0.00131	B.2.4-5b	0.00015	No Message
Piso 2	B9	67	3.9	B.2.4-5b	0.00131	B.2.4-5b	0.00015	No Message
Piso 2	B9	67	3.9	B.2.4-4b	0.00131	B.2.4-5b	0.00027	No Message
Piso 2	B9	67	4.325	B.2.4-4b	0.00131	B.2.4-5b	0.00027	No Message
Piso 2	B9	67	4.325	B.2.4-4b	0.00131	B.2.4-5b	0.00027	No Message
Piso 2	B9	67	4.5	B.2.4-4b	0.00131	B.2.4-5b	0.00027	No Message
Piso 2	B574	937	0.25	B.2.4-7b	0.000976	B.2.4-5b	0.00012	No Message
Piso 2	B574	937	0.68571	B.2.4-7b	0.000976	B.2.4-5b	0.00012	No Message
Piso 2	B574	937	1.12143	B.2.4-7b	0.000976	B.2.4-5b	0.00012	No Message
Piso 2	B574	937	1.55714	B.2.4-7b	0.000976	B.2.4-5b	0.00012	No Message
Piso 2	B574	937	1.99286	B.2.4-7b	0.000976	B.2.4-5b	0.00012	No Message
Piso 2	B574	937	2.42857	B.2.4-7b	0.000976	B.2.4-5b	0.00012	No Message
Piso 2	B574	937	2.86429	B.2.4-7b	0.000976	B.2.4-5b	0.00012	No Message
Piso 2	B574	937	3.3	B.2.4-7b	0.000976	B.2.4-5b	0.00012	No Message
Piso 2	B574	937	3.3	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B574	937	3.79	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B574	937	4.28	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B574	937	4.77	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B574	937	5.26	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B574	937	5.75	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B181	481	0	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B181	481	0.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B181	481	0.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B181	481	1	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B181	481	1	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B181	481	1.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B181	481	1.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B181	481	2	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B181	481	2	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B181	481	2.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B181	481	2.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B181	481	3	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B181	481	3	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B181	481	3.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B181	481	3.5	B.2.4-7b	0	B.2.4-7b	0	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 3 of 4

Story	Label	UniqueName	Station	TLngCombo	TLngRebar	TTrnCombo	TTrnRebar	WarnMsg
Unitless	Unitless	Unitless	m	Unitless	m²	Unitless	m²/m	Unitless
Piso 2	B181	481	4	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B181	481	4	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B181	481	4.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B181	481	4.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B181	481	5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B181	481	5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B181	481	5.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B181	481	5.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B181	481	6	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B184	485	0	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B184	485	0.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B184	485	0.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B184	485	1	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B184	485	1	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B184	485	1.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B184	485	1.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B184	485	2	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B184	485	2	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B184	485	2.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B184	485	2.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B184	485	3	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B184	485	3	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B184	485	3.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B184	485	3.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B184	485	4	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B184	485	4	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B184	485	4.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B184	485	4.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B184	485	5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B184	485	5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B184	485	5.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B184	485	5.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 2	B184	485	6	B.2.4-7b	0	B.2.4-7b	0	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 4 of 4

Table: Concrete Beam Design Summary - ACI 318-08, Part 4 of 4

Story	Label	UniqueName	Station	ErrMsg
Unitless	Unitless	Unitless	m	Unitless
Piso 2	B1	14	0.25	No Message
Piso 2	B1	14	0.525	No Message
Piso 2	B1	14	0.8	No Message
Piso 2	B1	14	0.8	No Message
Piso 2	B1	14	1.2	No Message
Piso 2	B1	14	1.6	No Message
Piso 2	B1	14	1.6	No Message
Piso 2	B1	14	2	No Message
Piso 2	B1	14	2.4	No Message
Piso 2	B1	14	2.4	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 4 of 4

Story	Label	UniqueName	Station	ErrMsg
Unitless	Unitless	Unitless	m	Unitless
Piso 2	B1	14	2.8	No Message
Piso 2	B1	14	3.2	No Message
Piso 2	B1	14	3.2	No Message
Piso 2	B1	14	3.6	No Message
Piso 2	B1	14	4	No Message
Piso 2	B1	14	4	No Message
Piso 2	B1	14	4.4	No Message
Piso 2	B1	14	4.8	No Message
Piso 2	B1	14	4.8	No Message
Piso 2	B1	14	5.3	No Message
Piso 2	B2	689	0.3	No Message
Piso 2	B2	689	0.6	No Message
Piso 2	B2	689	0.6	No Message
Piso 2	B2	689	1	No Message
Piso 2	B2	689	1.4	No Message
Piso 2	B2	689	1.4	No Message
Piso 2	B2	689	1.8	No Message
Piso 2	B2	689	2.2	No Message
Piso 2	B2	689	2.2	No Message
Piso 2	B2	689	2.6	No Message
Piso 2	B2	689	3	No Message
Piso 2	B2	689	3	No Message
Piso 2	B2	689	3.4	No Message
Piso 2	B2	689	3.8	No Message
Piso 2	B2	689	3.8	No Message
Piso 2	B2	689	4.2	No Message
Piso 2	B2	689	4.6	No Message
Piso 2	B2	689	4.6	No Message
Piso 2	B2	689	5	No Message
Piso 2	B2	689	5.4	No Message
Piso 2	B2	689	5.4	No Message
Piso 2	B2	689	5.8	No Message
Piso 2	B2	689	6.2	No Message
Piso 2	B2	689	6.2	No Message
Piso 2	B2	689	6.6	No Message
Piso 2	B2	689	7	No Message
Piso 2	B2	689	7	No Message
Piso 2	B2	689	7.4	No Message
Piso 2	B2	689	7.8	No Message
Piso 2	B2	689	7.8	No Message
Piso 2	B2	689	8.1	No Message
Piso 2	B6	721	0.25	No Message
Piso 2	B6	721	0.525	No Message
Piso 2	B6	721	0.8	No Message
Piso 2	B6	721	0.8	No Message
Piso 2	B6	721	1.2	No Message
Piso 2	B6	721	1.6	No Message
Piso 2	B6	721	1.6	No Message
Piso 2	B6	721	2	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 4 of 4

Story	Label	UniqueName	Station	ErrMsg
Unitless	Unitless	Unitless	m	Unitless
Piso 2	B6	721	2.4	No Message
Piso 2	B6	721	2.4	No Message
Piso 2	B6	721	2.8	No Message
Piso 2	B6	721	3.2	No Message
Piso 2	B6	721	3.2	No Message
Piso 2	B6	721	3.6	No Message
Piso 2	B6	721	4	No Message
Piso 2	B6	721	4	No Message
Piso 2	B6	721	4.4	No Message
Piso 2	B6	721	4.4	No Message
Piso 2	B6	721	4.8	No Message
Piso 2	B6	721	4.8	No Message
Piso 2	B6	721	5.2	No Message
Piso 2	B6	721	5.2	No Message
Piso 2	B6	721	5.3	No Message
Piso 2	B7	725	0.3	No Message
Piso 2	B7	725	0.6	No Message
Piso 2	B7	725	0.6	No Message
Piso 2	B7	725	1	No Message
Piso 2	B7	725	1.4	No Message
Piso 2	B7	725	1.4	No Message
Piso 2	B7	725	1.8	No Message
Piso 2	B7	725	2.2	No Message
Piso 2	B7	725	2.2	No Message
Piso 2	B7	725	2.6	No Message
Piso 2	B7	725	3	No Message
Piso 2	B7	725	3	No Message
Piso 2	B7	725	3.4	No Message
Piso 2	B7	725	3.8	No Message
Piso 2	B7	725	3.8	No Message
Piso 2	B7	725	4.2	No Message
Piso 2	B7	725	4.6	No Message
Piso 2	B7	725	4.6	No Message
Piso 2	B7	725	5	No Message
Piso 2	B7	725	5.4	No Message
Piso 2	B7	725	5.4	No Message
Piso 2	B7	725	5.8	No Message
Piso 2	B7	725	6.2	No Message
Piso 2	B7	725	6.2	No Message
Piso 2	B7	725	6.6	No Message
Piso 2	B7	725	7	No Message
Piso 2	B7	725	7	No Message
Piso 2	B7	725	7.4	No Message
Piso 2	B7	725	7.8	No Message
Piso 2	B7	725	7.8	No Message
Piso 2	B7	725	8.1	No Message
Piso 2	B11	602	0.25	No Message
Piso 2	B11	602	0.71875	No Message
Piso 2	B11	602	1.1875	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 4 of 4

Story	Label	UniqueName	Station	ErrMsg
Unitless	Unitless	Unitless	m	Unitless
Piso 2	B11	602	1.65625	No Message
Piso 2	B11	602	2.125	No Message
Piso 2	B11	602	2.59375	No Message
Piso 2	B11	602	3.0625	No Message
Piso 2	B11	602	3.53125	No Message
Piso 2	B11	602	4	No Message
Piso 2	B11	602	4	No Message
Piso 2	B11	602	4.4	No Message
Piso 2	B11	602	4.4	No Message
Piso 2	B11	602	4.8	No Message
Piso 2	B11	602	4.8	No Message
Piso 2	B11	602	5.2	No Message
Piso 2	B11	602	5.2	No Message
Piso 2	B11	602	5.3	No Message
Piso 2	B12	745	0.3	No Message
Piso 2	B12	745	0.6	No Message
Piso 2	B12	745	0.6	No Message
Piso 2	B12	745	1	No Message
Piso 2	B12	745	1.4	No Message
Piso 2	B12	745	1.4	No Message
Piso 2	B12	745	1.8	No Message
Piso 2	B12	745	2.2	No Message
Piso 2	B12	745	2.2	No Message
Piso 2	B12	745	2.6	No Message
Piso 2	B12	745	3	No Message
Piso 2	B12	745	3	No Message
Piso 2	B12	745	3.4	No Message
Piso 2	B12	745	3.8	No Message
Piso 2	B12	745	3.8	No Message
Piso 2	B12	745	4.2	No Message
Piso 2	B12	745	4.6	No Message
Piso 2	B12	745	4.6	No Message
Piso 2	B12	745	5	No Message
Piso 2	B12	745	5.4	No Message
Piso 2	B12	745	5.4	No Message
Piso 2	B12	745	5.8	No Message
Piso 2	B12	745	6.2	No Message
Piso 2	B12	745	6.2	No Message
Piso 2	B12	745	6.6	No Message
Piso 2	B12	745	7	No Message
Piso 2	B12	745	7	No Message
Piso 2	B12	745	7.4	No Message
Piso 2	B12	745	7.8	No Message
Piso 2	B12	745	7.8	No Message
Piso 2	B12	745	8.1	No Message
Piso 2	B16	761	0.25	No Message
Piso 2	B16	761	0.71875	No Message
Piso 2	B16	761	1.1875	No Message
Piso 2	B16	761	1.65625	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 4 of 4

Story	Label	UniqueName	Station	ErrMsg
Unitless	Unitless	Unitless	m	Unitless
Piso 2	B16	761	2.125	No Message
Piso 2	B16	761	2.59375	No Message
Piso 2	B16	761	3.0625	No Message
Piso 2	B16	761	3.53125	No Message
Piso 2	B16	761	4	No Message
Piso 2	B16	761	4	No Message
Piso 2	B16	761	4.4	No Message
Piso 2	B16	761	4.4	No Message
Piso 2	B16	761	4.8	No Message
Piso 2	B16	761	4.8	No Message
Piso 2	B16	761	5.2	No Message
Piso 2	B16	761	5.2	No Message
Piso 2	B16	761	5.3	No Message
Piso 2	B17	765	0.3	No Message
Piso 2	B17	765	0.6	No Message
Piso 2	B17	765	0.6	No Message
Piso 2	B17	765	1	No Message
Piso 2	B17	765	1.4	No Message
Piso 2	B17	765	1.4	No Message
Piso 2	B17	765	1.8	No Message
Piso 2	B17	765	2.2	No Message
Piso 2	B17	765	2.2	No Message
Piso 2	B17	765	2.6	No Message
Piso 2	B17	765	3	No Message
Piso 2	B17	765	3	No Message
Piso 2	B17	765	3.4	No Message
Piso 2	B17	765	3.8	No Message
Piso 2	B17	765	3.8	No Message
Piso 2	B17	765	4.2	No Message
Piso 2	B17	765	4.6	No Message
Piso 2	B17	765	4.6	No Message
Piso 2	B17	765	5	No Message
Piso 2	B17	765	5.4	No Message
Piso 2	B17	765	5.4	No Message
Piso 2	B17	765	5.8	No Message
Piso 2	B17	765	6.2	No Message
Piso 2	B17	765	6.2	No Message
Piso 2	B17	765	6.6	No Message
Piso 2	B17	765	7	No Message
Piso 2	B17	765	7	No Message
Piso 2	B17	765	7.4	No Message
Piso 2	B17	765	7.8	No Message
Piso 2	B17	765	7.8	No Message
Piso 2	B17	765	8.1	No Message
Piso 2	B21	781	0.25	No Message
Piso 2	B21	781	0.525	No Message
Piso 2	B21	781	0.8	No Message
Piso 2	B21	781	0.8	No Message
Piso 2	B21	781	1.2	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 4 of 4

Story	Label	UniqueName	Station	ErrMsg
Unitless	Unitless	Unitless	m	Unitless
Piso 2	B21	781	1.6	No Message
Piso 2	B21	781	1.6	No Message
Piso 2	B21	781	2	No Message
Piso 2	B21	781	2.4	No Message
Piso 2	B21	781	2.4	No Message
Piso 2	B21	781	2.8	No Message
Piso 2	B21	781	3.2	No Message
Piso 2	B21	781	3.2	No Message
Piso 2	B21	781	3.6	No Message
Piso 2	B21	781	4	No Message
Piso 2	B21	781	4	No Message
Piso 2	B21	781	4.4	No Message
Piso 2	B21	781	4.8	No Message
Piso 2	B21	781	4.8	No Message
Piso 2	B21	781	5.3	No Message
Piso 2	B22	785	0.3	No Message
Piso 2	B22	785	0.6	No Message
Piso 2	B22	785	0.6	No Message
Piso 2	B22	785	1	No Message
Piso 2	B22	785	1.4	No Message
Piso 2	B22	785	1.4	No Message
Piso 2	B22	785	1.8	No Message
Piso 2	B22	785	2.2	No Message
Piso 2	B22	785	2.2	No Message
Piso 2	B22	785	2.525	No Message
Piso 2	B22	785	2.85	No Message
Piso 2	B22	785	2.85	No Message
Piso 2	B22	785	3	No Message
Piso 2	B22	785	3	No Message
Piso 2	B22	785	3.4	No Message
Piso 2	B22	785	3.8	No Message
Piso 2	B22	785	3.8	No Message
Piso 2	B22	785	4.2	No Message
Piso 2	B22	785	4.6	No Message
Piso 2	B22	785	4.6	No Message
Piso 2	B22	785	5	No Message
Piso 2	B22	785	5.4	No Message
Piso 2	B22	785	5.4	No Message
Piso 2	B22	785	5.8	No Message
Piso 2	B22	785	6.2	No Message
Piso 2	B22	785	6.2	No Message
Piso 2	B22	785	6.6	No Message
Piso 2	B22	785	7	No Message
Piso 2	B22	785	7	No Message
Piso 2	B22	785	7.4	No Message
Piso 2	B22	785	7.8	No Message
Piso 2	B22	785	7.8	No Message
Piso 2	B22	785	8.1	No Message
Piso 2	B24	793	0.25	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 4 of 4

Story	Label	UniqueName	Station	ErrMsg
Unitless	Unitless	Unitless	m	Unitless
Piso 2	B24	793	0.525	No Message
Piso 2	B24	793	0.8	No Message
Piso 2	B24	793	0.8	No Message
Piso 2	B24	793	1.2	No Message
Piso 2	B24	793	1.6	No Message
Piso 2	B24	793	1.6	No Message
Piso 2	B24	793	2	No Message
Piso 2	B24	793	2.4	No Message
Piso 2	B24	793	2.4	No Message
Piso 2	B24	793	2.8	No Message
Piso 2	B24	793	3.2	No Message
Piso 2	B24	793	3.2	No Message
Piso 2	B24	793	3.6	No Message
Piso 2	B24	793	4	No Message
Piso 2	B24	793	4	No Message
Piso 2	B24	793	4.4	No Message
Piso 2	B24	793	4.8	No Message
Piso 2	B24	793	4.8	No Message
Piso 2	B24	793	5.3	No Message
Piso 2	B25	797	0.3	No Message
Piso 2	B25	797	0.6	No Message
Piso 2	B25	797	0.6	No Message
Piso 2	B25	797	1	No Message
Piso 2	B25	797	1.4	No Message
Piso 2	B25	797	1.4	No Message
Piso 2	B25	797	1.8	No Message
Piso 2	B25	797	2.2	No Message
Piso 2	B25	797	2.2	No Message
Piso 2	B25	797	2.6	No Message
Piso 2	B25	797	3	No Message
Piso 2	B25	797	3	No Message
Piso 2	B25	797	3.4	No Message
Piso 2	B25	797	3.8	No Message
Piso 2	B25	797	3.8	No Message
Piso 2	B25	797	4.2	No Message
Piso 2	B25	797	4.6	No Message
Piso 2	B25	797	4.6	No Message
Piso 2	B25	797	5	No Message
Piso 2	B25	797	5.4	No Message
Piso 2	B25	797	5.4	No Message
Piso 2	B25	797	5.8	No Message
Piso 2	B25	797	6.2	No Message
Piso 2	B25	797	6.2	No Message
Piso 2	B25	797	6.6	No Message
Piso 2	B25	797	7	No Message
Piso 2	B25	797	7	No Message
Piso 2	B25	797	7.4	No Message
Piso 2	B25	797	7.8	No Message
Piso 2	B25	797	7.8	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 4 of 4

Story	Label	UniqueName	Station	ErrMsg
Unitless	Unitless	Unitless	m	Unitless
Piso 2	B25	797	8.1	No Message
Piso 2	B27	805	0.25	No Message
Piso 2	B27	805	0.525	No Message
Piso 2	B27	805	0.8	No Message
Piso 2	B27	805	0.8	No Message
Piso 2	B27	805	1.2	No Message
Piso 2	B27	805	1.6	No Message
Piso 2	B27	805	1.6	No Message
Piso 2	B27	805	2	No Message
Piso 2	B27	805	2.4	No Message
Piso 2	B27	805	2.4	No Message
Piso 2	B27	805	2.8	No Message
Piso 2	B27	805	3.2	No Message
Piso 2	B27	805	3.2	No Message
Piso 2	B27	805	3.6	No Message
Piso 2	B27	805	4	No Message
Piso 2	B27	805	4	No Message
Piso 2	B27	805	4.4	No Message
Piso 2	B27	805	4.8	No Message
Piso 2	B27	805	4.8	No Message
Piso 2	B27	805	5.3	No Message
Piso 2	B28	809	0.3	No Message
Piso 2	B28	809	0.6	No Message
Piso 2	B28	809	0.6	No Message
Piso 2	B28	809	1	No Message
Piso 2	B28	809	1.4	No Message
Piso 2	B28	809	1.4	No Message
Piso 2	B28	809	1.8	No Message
Piso 2	B28	809	2.2	No Message
Piso 2	B28	809	2.2	No Message
Piso 2	B28	809	2.6	No Message
Piso 2	B28	809	3	No Message
Piso 2	B28	809	3	No Message
Piso 2	B28	809	3.4	No Message
Piso 2	B28	809	3.8	No Message
Piso 2	B28	809	3.8	No Message
Piso 2	B28	809	4.25	No Message
Piso 2	B28	809	4.25	No Message
Piso 2	B28	809	4.6	No Message
Piso 2	B28	809	4.6	No Message
Piso 2	B28	809	5	No Message
Piso 2	B28	809	5.4	No Message
Piso 2	B28	809	5.4	No Message
Piso 2	B28	809	5.8	No Message
Piso 2	B28	809	6.2	No Message
Piso 2	B28	809	6.2	No Message
Piso 2	B28	809	6.6	No Message
Piso 2	B28	809	7	No Message
Piso 2	B28	809	7	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 4 of 4

Story	Label	UniqueName	Station	ErrMsg
Unitless	Unitless	Unitless	m	Unitless
Piso 2	B28	809	7.4	No Message
Piso 2	B28	809	7.8	No Message
Piso 2	B28	809	7.8	No Message
Piso 2	B28	809	8.1	No Message
Piso 2	B30	817	0.25	No Message
Piso 2	B30	817	0.6	No Message
Piso 2	B30	817	0.6	No Message
Piso 2	B30	817	1	No Message
Piso 2	B30	817	1.4	No Message
Piso 2	B30	817	1.4	No Message
Piso 2	B30	817	1.8	No Message
Piso 2	B30	817	2.2	No Message
Piso 2	B30	817	2.2	No Message
Piso 2	B30	817	2.525	No Message
Piso 2	B30	817	2.85	No Message
Piso 2	B30	817	2.85	No Message
Piso 2	B30	817	3.33182	No Message
Piso 2	B30	817	3.81364	No Message
Piso 2	B30	817	4.29546	No Message
Piso 2	B30	817	4.77727	No Message
Piso 2	B30	817	5.25909	No Message
Piso 2	B30	817	5.74091	No Message
Piso 2	B30	817	6.22273	No Message
Piso 2	B30	817	6.70455	No Message
Piso 2	B30	817	7.18636	No Message
Piso 2	B30	817	7.66818	No Message
Piso 2	B30	817	8.15	No Message
Piso 2	B31	16	0.25	No Message
Piso 2	B31	16	0.525	No Message
Piso 2	B31	16	0.8	No Message
Piso 2	B31	16	0.8	No Message
Piso 2	B31	16	1.2	No Message
Piso 2	B31	16	1.6	No Message
Piso 2	B31	16	1.6	No Message
Piso 2	B31	16	2	No Message
Piso 2	B31	16	2.4	No Message
Piso 2	B31	16	2.4	No Message
Piso 2	B31	16	2.8	No Message
Piso 2	B31	16	3.2	No Message
Piso 2	B31	16	3.2	No Message
Piso 2	B31	16	3.6	No Message
Piso 2	B31	16	4	No Message
Piso 2	B31	16	4	No Message
Piso 2	B31	16	4.4	No Message
Piso 2	B31	16	4.8	No Message
Piso 2	B31	16	4.8	No Message
Piso 2	B31	16	5.3	No Message
Piso 2	B32	825	0.3	No Message
Piso 2	B32	825	0.6	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 4 of 4

Story	Label	UniqueName	Station	ErrMsg
Unitless	Unitless	Unitless	m	Unitless
Piso 2	B32	825	0.6	No Message
Piso 2	B32	825	1	No Message
Piso 2	B32	825	1.4	No Message
Piso 2	B32	825	1.4	No Message
Piso 2	B32	825	1.8	No Message
Piso 2	B32	825	2.2	No Message
Piso 2	B32	825	2.2	No Message
Piso 2	B32	825	2.6	No Message
Piso 2	B32	825	3	No Message
Piso 2	B32	825	3	No Message
Piso 2	B32	825	3.4	No Message
Piso 2	B32	825	3.8	No Message
Piso 2	B32	825	3.8	No Message
Piso 2	B32	825	4.2	No Message
Piso 2	B32	825	4.6	No Message
Piso 2	B32	825	4.6	No Message
Piso 2	B32	825	5	No Message
Piso 2	B32	825	5.4	No Message
Piso 2	B32	825	5.4	No Message
Piso 2	B32	825	5.8	No Message
Piso 2	B32	825	6.2	No Message
Piso 2	B32	825	6.2	No Message
Piso 2	B32	825	6.6	No Message
Piso 2	B32	825	7	No Message
Piso 2	B32	825	7	No Message
Piso 2	B32	825	7.4	No Message
Piso 2	B32	825	7.8	No Message
Piso 2	B32	825	7.8	No Message
Piso 2	B32	825	8.1	No Message
Piso 2	B35	837	0.25	No Message
Piso 2	B35	837	0.45	No Message
Piso 2	B35	837	0.45	No Message
Piso 2	B35	837	0.8	No Message
Piso 2	B35	837	0.8	No Message
Piso 2	B35	837	0.91	No Message
Piso 2	B35	837	0.91	No Message
Piso 2	B35	837	1.37	No Message
Piso 2	B35	837	1.37	No Message
Piso 2	B35	837	1.6	No Message
Piso 2	B35	837	1.6	No Message
Piso 2	B35	837	1.83	No Message
Piso 2	B35	837	1.83	No Message
Piso 2	B35	837	2.115	No Message
Piso 2	B35	837	2.4	No Message
Piso 2	B35	837	2.4	No Message
Piso 2	B35	837	2.8	No Message
Piso 2	B35	837	3.2	No Message
Piso 2	B35	837	3.2	No Message
Piso 2	B35	837	3.5	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 4 of 4

Story	Label	UniqueName	Station	ErrMsg
Unitless	Unitless	Unitless	m	Unitless
Piso 2	B35	837	3.8	No Message
Piso 2	B36	18	0.25	No Message
Piso 2	B36	18	0.71875	No Message
Piso 2	B36	18	1.1875	No Message
Piso 2	B36	18	1.65625	No Message
Piso 2	B36	18	2.125	No Message
Piso 2	B36	18	2.59375	No Message
Piso 2	B36	18	3.0625	No Message
Piso 2	B36	18	3.53125	No Message
Piso 2	B36	18	4	No Message
Piso 2	B36	18	4	No Message
Piso 2	B36	18	4.4	No Message
Piso 2	B36	18	4.8	No Message
Piso 2	B36	18	4.8	No Message
Piso 2	B36	18	5.3	No Message
Piso 2	B37	845	0.3	No Message
Piso 2	B37	845	0.6	No Message
Piso 2	B37	845	0.6	No Message
Piso 2	B37	845	1	No Message
Piso 2	B37	845	1.4	No Message
Piso 2	B37	845	1.4	No Message
Piso 2	B37	845	1.8	No Message
Piso 2	B37	845	2.2	No Message
Piso 2	B37	845	2.2	No Message
Piso 2	B37	845	2.6	No Message
Piso 2	B37	845	3	No Message
Piso 2	B37	845	3	No Message
Piso 2	B37	845	3.4	No Message
Piso 2	B37	845	3.8	No Message
Piso 2	B37	845	3.8	No Message
Piso 2	B37	845	4.25	No Message
Piso 2	B37	845	4.25	No Message
Piso 2	B37	845	4.6	No Message
Piso 2	B37	845	4.6	No Message
Piso 2	B37	845	5	No Message
Piso 2	B37	845	5.4	No Message
Piso 2	B37	845	5.4	No Message
Piso 2	B37	845	5.8	No Message
Piso 2	B37	845	6.2	No Message
Piso 2	B37	845	6.2	No Message
Piso 2	B37	845	6.6	No Message
Piso 2	B37	845	7	No Message
Piso 2	B37	845	7	No Message
Piso 2	B37	845	7.4	No Message
Piso 2	B37	845	7.8	No Message
Piso 2	B37	845	7.8	No Message
Piso 2	B37	845	8.1	No Message
Piso 2	B40	857	0.25	No Message
Piso 2	B40	857	0.73333	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 4 of 4

Story	Label	UniqueName	Station	ErrMsg
Unitless	Unitless	Unitless	m	Unitless
Piso 2	B40	857	1.21667	No Message
Piso 2	B40	857	1.7	No Message
Piso 2	B40	857	2.18333	No Message
Piso 2	B40	857	2.66667	No Message
Piso 2	B40	857	3.15	No Message
Piso 2	B40	857	3.15	No Message
Piso 2	B40	857	3.575	No Message
Piso 2	B40	857	4	No Message
Piso 2	B40	857	4.425	No Message
Piso 2	B40	857	4.85	No Message
Piso 2	B40	857	5.275	No Message
Piso 2	B40	857	5.7	No Message
Piso 2	B41	861	0.3	No Message
Piso 2	B41	861	0.79091	No Message
Piso 2	B41	861	1.28182	No Message
Piso 2	B41	861	1.77273	No Message
Piso 2	B41	861	2.26364	No Message
Piso 2	B41	861	2.75455	No Message
Piso 2	B41	861	3.24545	No Message
Piso 2	B41	861	3.73636	No Message
Piso 2	B41	861	4.22727	No Message
Piso 2	B41	861	4.71818	No Message
Piso 2	B41	861	5.20909	No Message
Piso 2	B41	861	5.7	No Message
Piso 2	B42	865	0.3	No Message
Piso 2	B42	865	0.79091	No Message
Piso 2	B42	865	1.28182	No Message
Piso 2	B42	865	1.77273	No Message
Piso 2	B42	865	2.26364	No Message
Piso 2	B42	865	2.75455	No Message
Piso 2	B42	865	3.24545	No Message
Piso 2	B42	865	3.73636	No Message
Piso 2	B42	865	4.22727	No Message
Piso 2	B42	865	4.71818	No Message
Piso 2	B42	865	5.20909	No Message
Piso 2	B42	865	5.7	No Message
Piso 2	B43	869	0.3	No Message
Piso 2	B43	869	0.79091	No Message
Piso 2	B43	869	1.28182	No Message
Piso 2	B43	869	1.77273	No Message
Piso 2	B43	869	2.26364	No Message
Piso 2	B43	869	2.75455	No Message
Piso 2	B43	869	3.24545	No Message
Piso 2	B43	869	3.73636	No Message
Piso 2	B43	869	4.22727	No Message
Piso 2	B43	869	4.71818	No Message
Piso 2	B43	869	5.20909	No Message
Piso 2	B43	869	5.7	No Message
Piso 2	B46	881	0.3	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 4 of 4

Story	Label	UniqueName	Station	ErrMsg
Unitless	Unitless	Unitless	m	Unitless
Piso 2	B46	881	0.79091	No Message
Piso 2	B46	881	1.28182	No Message
Piso 2	B46	881	1.77273	No Message
Piso 2	B46	881	2.26364	No Message
Piso 2	B46	881	2.75455	No Message
Piso 2	B46	881	3.24545	No Message
Piso 2	B46	881	3.73636	No Message
Piso 2	B46	881	4.22727	No Message
Piso 2	B46	881	4.71818	No Message
Piso 2	B46	881	5.20909	No Message
Piso 2	B46	881	5.7	No Message
Piso 2	B47	885	0.3	No Message
Piso 2	B47	885	0.79091	No Message
Piso 2	B47	885	1.28182	No Message
Piso 2	B47	885	1.77273	No Message
Piso 2	B47	885	2.26364	No Message
Piso 2	B47	885	2.75455	No Message
Piso 2	B47	885	3.24545	No Message
Piso 2	B47	885	3.73636	No Message
Piso 2	B47	885	4.22727	No Message
Piso 2	B47	885	4.71818	No Message
Piso 2	B47	885	5.20909	No Message
Piso 2	B47	885	5.7	No Message
Piso 2	B48	889	0.3	No Message
Piso 2	B48	889	0.5	No Message
Piso 2	B48	889	0.5	No Message
Piso 2	B48	889	1	No Message
Piso 2	B48	889	1	No Message
Piso 2	B48	889	1.5	No Message
Piso 2	B48	889	1.5	No Message
Piso 2	B48	889	2	No Message
Piso 2	B48	889	2	No Message
Piso 2	B48	889	2.5	No Message
Piso 2	B48	889	2.5	No Message
Piso 2	B48	889	3	No Message
Piso 2	B48	889	3	No Message
Piso 2	B48	889	3.5	No Message
Piso 2	B48	889	3.5	No Message
Piso 2	B48	889	4	No Message
Piso 2	B48	889	4	No Message
Piso 2	B48	889	4.5	No Message
Piso 2	B48	889	4.5	No Message
Piso 2	B48	889	5	No Message
Piso 2	B48	889	5	No Message
Piso 2	B48	889	5.5	No Message
Piso 2	B48	889	5.5	No Message
Piso 2	B48	889	5.7	No Message
Piso 2	B49	893	0.3	No Message
Piso 2	B49	893	0.5	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 4 of 4

Story	Label	UniqueName	Station	ErrMsg
Unitless	Unitless	Unitless	m	Unitless
Piso 2	B49	893	0.5	No Message
Piso 2	B49	893	1	No Message
Piso 2	B49	893	1	No Message
Piso 2	B49	893	1.5	No Message
Piso 2	B49	893	1.5	No Message
Piso 2	B49	893	2	No Message
Piso 2	B49	893	2	No Message
Piso 2	B49	893	2.5	No Message
Piso 2	B49	893	2.5	No Message
Piso 2	B49	893	3	No Message
Piso 2	B49	893	3	No Message
Piso 2	B49	893	3.5	No Message
Piso 2	B49	893	3.5	No Message
Piso 2	B49	893	4	No Message
Piso 2	B49	893	4	No Message
Piso 2	B49	893	4.5	No Message
Piso 2	B49	893	4.5	No Message
Piso 2	B49	893	5	No Message
Piso 2	B49	893	5	No Message
Piso 2	B49	893	5.5	No Message
Piso 2	B49	893	5.5	No Message
Piso 2	B49	893	5.7	No Message
Piso 2	B50	897	0.25	No Message
Piso 2	B50	897	0.5	No Message
Piso 2	B50	897	0.5	No Message
Piso 2	B50	897	1	No Message
Piso 2	B50	897	1	No Message
Piso 2	B50	897	1.5	No Message
Piso 2	B50	897	1.5	No Message
Piso 2	B50	897	2	No Message
Piso 2	B50	897	2	No Message
Piso 2	B50	897	2.5	No Message
Piso 2	B50	897	2.5	No Message
Piso 2	B50	897	3	No Message
Piso 2	B50	897	3	No Message
Piso 2	B50	897	3.5	No Message
Piso 2	B50	897	3.5	No Message
Piso 2	B50	897	4	No Message
Piso 2	B50	897	4	No Message
Piso 2	B50	897	4.5	No Message
Piso 2	B50	897	4.5	No Message
Piso 2	B50	897	5	No Message
Piso 2	B50	897	5	No Message
Piso 2	B50	897	5.5	No Message
Piso 2	B50	897	5.5	No Message
Piso 2	B50	897	5.7	No Message
Piso 2	B51	901	0.3	No Message
Piso 2	B51	901	0.5	No Message
Piso 2	B51	901	0.5	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 4 of 4

Story	Label	UniqueName	Station	ErrMsg
Unitless	Unitless	Unitless	m	Unitless
Piso 2	B51	901	1	No Message
Piso 2	B51	901	1	No Message
Piso 2	B51	901	1.5	No Message
Piso 2	B51	901	1.5	No Message
Piso 2	B51	901	2	No Message
Piso 2	B51	901	2	No Message
Piso 2	B51	901	2.5	No Message
Piso 2	B51	901	2.5	No Message
Piso 2	B51	901	3	No Message
Piso 2	B51	901	3	No Message
Piso 2	B51	901	3.5	No Message
Piso 2	B51	901	3.5	No Message
Piso 2	B51	901	4	No Message
Piso 2	B51	901	4	No Message
Piso 2	B51	901	4.5	No Message
Piso 2	B51	901	4.5	No Message
Piso 2	B51	901	5	No Message
Piso 2	B51	901	5	No Message
Piso 2	B51	901	5.5	No Message
Piso 2	B51	901	5.5	No Message
Piso 2	B51	901	5.7	No Message
Piso 2	B52	905	0.3	No Message
Piso 2	B52	905	0.5	No Message
Piso 2	B52	905	0.5	No Message
Piso 2	B52	905	1	No Message
Piso 2	B52	905	1	No Message
Piso 2	B52	905	1.5	No Message
Piso 2	B52	905	1.5	No Message
Piso 2	B52	905	2	No Message
Piso 2	B52	905	2	No Message
Piso 2	B52	905	2.5	No Message
Piso 2	B52	905	2.5	No Message
Piso 2	B52	905	3	No Message
Piso 2	B52	905	3	No Message
Piso 2	B52	905	3.5	No Message
Piso 2	B52	905	3.5	No Message
Piso 2	B52	905	4	No Message
Piso 2	B52	905	4	No Message
Piso 2	B52	905	4.5	No Message
Piso 2	B52	905	4.5	No Message
Piso 2	B52	905	5	No Message
Piso 2	B52	905	5	No Message
Piso 2	B52	905	5.5	No Message
Piso 2	B52	905	5.5	No Message
Piso 2	B52	905	5.7	No Message
Piso 2	B53	909	0.3	No Message
Piso 2	B53	909	0.79091	No Message
Piso 2	B53	909	1.28182	No Message
Piso 2	B53	909	1.77273	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 4 of 4

Story	Label	UniqueName	Station	ErrMsg
Unitless	Unitless	Unitless	m	Unitless
Piso 2	B53	909	2.26364	No Message
Piso 2	B53	909	2.75455	No Message
Piso 2	B53	909	3.24545	No Message
Piso 2	B53	909	3.73636	No Message
Piso 2	B53	909	4.22727	No Message
Piso 2	B53	909	4.71818	No Message
Piso 2	B53	909	5.20909	No Message
Piso 2	B53	909	5.7	No Message
Piso 2	B59	933	0.3	No Message
Piso 2	B59	933	0.5	No Message
Piso 2	B59	933	0.5	No Message
Piso 2	B59	933	1	No Message
Piso 2	B59	933	1	No Message
Piso 2	B59	933	1.5	No Message
Piso 2	B59	933	1.5	No Message
Piso 2	B59	933	2	No Message
Piso 2	B59	933	2	No Message
Piso 2	B59	933	2.5	No Message
Piso 2	B59	933	2.5	No Message
Piso 2	B59	933	3	No Message
Piso 2	B59	933	3	No Message
Piso 2	B59	933	3.5	No Message
Piso 2	B59	933	3.5	No Message
Piso 2	B59	933	4	No Message
Piso 2	B59	933	4	No Message
Piso 2	B59	933	4.5	No Message
Piso 2	B59	933	4.5	No Message
Piso 2	B59	933	5	No Message
Piso 2	B59	933	5	No Message
Piso 2	B59	933	5.5	No Message
Piso 2	B59	933	5.5	No Message
Piso 2	B59	933	5.7	No Message
Piso 2	B62	945	0.25	No Message
Piso 2	B62	945	0.5	No Message
Piso 2	B62	945	0.5	No Message
Piso 2	B62	945	1	No Message
Piso 2	B62	945	1	No Message
Piso 2	B62	945	1.5	No Message
Piso 2	B62	945	1.5	No Message
Piso 2	B62	945	2	No Message
Piso 2	B62	945	2	No Message
Piso 2	B62	945	2.5	No Message
Piso 2	B62	945	2.5	No Message
Piso 2	B62	945	3	No Message
Piso 2	B62	945	3	No Message
Piso 2	B62	945	3.5	No Message
Piso 2	B62	945	3.5	No Message
Piso 2	B62	945	4	No Message
Piso 2	B62	945	4	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 4 of 4

Story	Label	UniqueName	Station	ErrMsg
Unitless	Unitless	Unitless	m	Unitless
Piso 2	B62	945	4.5	No Message
Piso 2	B62	945	4.5	No Message
Piso 2	B62	945	5	No Message
Piso 2	B62	945	5	No Message
Piso 2	B62	945	5.5	No Message
Piso 2	B62	945	5.5	No Message
Piso 2	B62	945	5.75	No Message
Piso 2	B63	949	0.25	No Message
Piso 2	B63	949	0.5	No Message
Piso 2	B63	949	0.5	No Message
Piso 2	B63	949	1	No Message
Piso 2	B63	949	1	No Message
Piso 2	B63	949	1.5	No Message
Piso 2	B63	949	1.5	No Message
Piso 2	B63	949	2	No Message
Piso 2	B63	949	2	No Message
Piso 2	B63	949	2.5	No Message
Piso 2	B63	949	2.5	No Message
Piso 2	B63	949	3	No Message
Piso 2	B63	949	3	No Message
Piso 2	B63	949	3.5	No Message
Piso 2	B63	949	3.5	No Message
Piso 2	B63	949	4	No Message
Piso 2	B63	949	4	No Message
Piso 2	B63	949	4.5	No Message
Piso 2	B63	949	4.5	No Message
Piso 2	B63	949	5	No Message
Piso 2	B63	949	5	No Message
Piso 2	B63	949	5.5	No Message
Piso 2	B63	949	5.5	No Message
Piso 2	B63	949	5.75	No Message
Piso 2	B64	953	0.25	No Message
Piso 2	B64	953	0.5	No Message
Piso 2	B64	953	0.5	No Message
Piso 2	B64	953	1	No Message
Piso 2	B64	953	1	No Message
Piso 2	B64	953	1.5	No Message
Piso 2	B64	953	1.5	No Message
Piso 2	B64	953	2	No Message
Piso 2	B64	953	2	No Message
Piso 2	B64	953	2.5	No Message
Piso 2	B64	953	2.5	No Message
Piso 2	B64	953	3	No Message
Piso 2	B64	953	3	No Message
Piso 2	B64	953	3.5	No Message
Piso 2	B64	953	3.5	No Message
Piso 2	B64	953	4	No Message
Piso 2	B64	953	4	No Message
Piso 2	B64	953	4.5	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 4 of 4

Story	Label	UniqueName	Station	ErrMsg
Unitless	Unitless	Unitless	m	Unitless
Piso 2	B64	953	4.5	No Message
Piso 2	B64	953	5	No Message
Piso 2	B64	953	5	No Message
Piso 2	B64	953	5.5	No Message
Piso 2	B64	953	5.5	No Message
Piso 2	B64	953	5.75	No Message
Piso 2	B65	957	0.25	No Message
Piso 2	B65	957	0.7125	No Message
Piso 2	B65	957	1.175	No Message
Piso 2	B65	957	1.6375	No Message
Piso 2	B65	957	2.1	No Message
Piso 2	B65	957	2.5625	No Message
Piso 2	B65	957	3.025	No Message
Piso 2	B65	957	3.4875	No Message
Piso 2	B65	957	3.95	No Message
Piso 2	B65	957	4.4125	No Message
Piso 2	B65	957	4.875	No Message
Piso 2	B65	957	5.3375	No Message
Piso 2	B65	957	5.8	No Message
Piso 2	B66	882	0.2	No Message
Piso 2	B66	882	0.66667	No Message
Piso 2	B66	882	1.13333	No Message
Piso 2	B66	882	1.6	No Message
Piso 2	B66	882	2.06667	No Message
Piso 2	B66	882	2.53333	No Message
Piso 2	B66	882	3	No Message
Piso 2	B66	882	3.46667	No Message
Piso 2	B66	882	3.93333	No Message
Piso 2	B66	882	4.4	No Message
Piso 2	B66	882	4.86667	No Message
Piso 2	B66	882	5.33333	No Message
Piso 2	B66	882	5.8	No Message
Piso 2	B70	977	0.25	No Message
Piso 2	B70	977	0.7125	No Message
Piso 2	B70	977	1.175	No Message
Piso 2	B70	977	1.6375	No Message
Piso 2	B70	977	2.1	No Message
Piso 2	B70	977	2.5625	No Message
Piso 2	B70	977	3.025	No Message
Piso 2	B70	977	3.4875	No Message
Piso 2	B70	977	3.95	No Message
Piso 2	B70	977	4.4125	No Message
Piso 2	B70	977	4.875	No Message
Piso 2	B70	977	5.3375	No Message
Piso 2	B70	977	5.8	No Message
Piso 2	B71	981	0.2	No Message
Piso 2	B71	981	0.66667	No Message
Piso 2	B71	981	1.13333	No Message
Piso 2	B71	981	1.6	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 4 of 4

Story	Label	UniqueName	Station	ErrMsg
Unitless	Unitless	Unitless	m	Unitless
Piso 2	B71	981	2.06667	No Message
Piso 2	B71	981	2.53333	No Message
Piso 2	B71	981	3	No Message
Piso 2	B71	981	3.46667	No Message
Piso 2	B71	981	3.93333	No Message
Piso 2	B71	981	4.4	No Message
Piso 2	B71	981	4.86667	No Message
Piso 2	B71	981	5.33333	No Message
Piso 2	B71	981	5.8	No Message
Piso 2	B72	985	0.2	No Message
Piso 2	B72	985	0.66667	No Message
Piso 2	B72	985	1.13333	No Message
Piso 2	B72	985	1.6	No Message
Piso 2	B72	985	2.06667	No Message
Piso 2	B72	985	2.53333	No Message
Piso 2	B72	985	3	No Message
Piso 2	B72	985	3.46667	No Message
Piso 2	B72	985	3.93333	No Message
Piso 2	B72	985	4.4	No Message
Piso 2	B72	985	4.86667	No Message
Piso 2	B72	985	5.33333	No Message
Piso 2	B72	985	5.8	No Message
Piso 2	B73	989	0.2	No Message
Piso 2	B73	989	0.66667	No Message
Piso 2	B73	989	1.13333	No Message
Piso 2	B73	989	1.6	No Message
Piso 2	B73	989	2.06667	No Message
Piso 2	B73	989	2.53333	No Message
Piso 2	B73	989	3	No Message
Piso 2	B73	989	3.46667	No Message
Piso 2	B73	989	3.93333	No Message
Piso 2	B73	989	4.4	No Message
Piso 2	B73	989	4.86667	No Message
Piso 2	B73	989	5.33333	No Message
Piso 2	B73	989	5.8	No Message
Piso 2	B74	894	0.2	No Message
Piso 2	B74	894	0.66667	No Message
Piso 2	B74	894	1.13333	No Message
Piso 2	B74	894	1.6	No Message
Piso 2	B74	894	2.06667	No Message
Piso 2	B74	894	2.53333	No Message
Piso 2	B74	894	3	No Message
Piso 2	B74	894	3.46667	No Message
Piso 2	B74	894	3.93333	No Message
Piso 2	B74	894	4.4	No Message
Piso 2	B74	894	4.86667	No Message
Piso 2	B74	894	5.33333	No Message
Piso 2	B74	894	5.8	No Message
Piso 2	B76	1001	0.25	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 4 of 4

Story	Label	UniqueName	Station	ErrMsg
Unitless	Unitless	Unitless	m	Unitless
Piso 2	B76	1001	0.525	No Message
Piso 2	B76	1001	0.8	No Message
Piso 2	B76	1001	0.8	No Message
Piso 2	B76	1001	1.2	No Message
Piso 2	B76	1001	1.6	No Message
Piso 2	B76	1001	1.6	No Message
Piso 2	B76	1001	2	No Message
Piso 2	B76	1001	2.4	No Message
Piso 2	B76	1001	2.4	No Message
Piso 2	B76	1001	2.77	No Message
Piso 2	B76	1001	2.77	No Message
Piso 2	B76	1001	3.11333	No Message
Piso 2	B76	1001	3.45667	No Message
Piso 2	B76	1001	3.8	No Message
Piso 2	B82	1025	0.25	No Message
Piso 2	B82	1025	0.5	No Message
Piso 2	B82	1025	0.5	No Message
Piso 2	B82	1025	1	No Message
Piso 2	B82	1025	1	No Message
Piso 2	B82	1025	1.5	No Message
Piso 2	B82	1025	1.5	No Message
Piso 2	B82	1025	2	No Message
Piso 2	B82	1025	2	No Message
Piso 2	B82	1025	2.5	No Message
Piso 2	B82	1025	2.5	No Message
Piso 2	B82	1025	3	No Message
Piso 2	B82	1025	3	No Message
Piso 2	B82	1025	3.5	No Message
Piso 2	B82	1025	3.5	No Message
Piso 2	B82	1025	4	No Message
Piso 2	B82	1025	4	No Message
Piso 2	B82	1025	4.5	No Message
Piso 2	B82	1025	4.5	No Message
Piso 2	B82	1025	5	No Message
Piso 2	B82	1025	5	No Message
Piso 2	B82	1025	5.5	No Message
Piso 2	B82	1025	5.5	No Message
Piso 2	B82	1025	5.75	No Message
Piso 2	B83	1026	0.25	No Message
Piso 2	B83	1026	0.5	No Message
Piso 2	B83	1026	0.5	No Message
Piso 2	B83	1026	1	No Message
Piso 2	B83	1026	1	No Message
Piso 2	B83	1026	1.5	No Message
Piso 2	B83	1026	1.5	No Message
Piso 2	B83	1026	2	No Message
Piso 2	B83	1026	2	No Message
Piso 2	B83	1026	2.5	No Message
Piso 2	B83	1026	2.5	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 4 of 4

Story	Label	UniqueName	Station	ErrMsg
Unitless	Unitless	Unitless	m	Unitless
Piso 2	B83	1026	3	No Message
Piso 2	B83	1026	3	No Message
Piso 2	B83	1026	3.5	No Message
Piso 2	B83	1026	3.5	No Message
Piso 2	B83	1026	4	No Message
Piso 2	B83	1026	4	No Message
Piso 2	B83	1026	4.5	No Message
Piso 2	B83	1026	4.5	No Message
Piso 2	B83	1026	5	No Message
Piso 2	B83	1026	5	No Message
Piso 2	B83	1026	5.5	No Message
Piso 2	B83	1026	5.5	No Message
Piso 2	B83	1026	5.75	No Message
Piso 2	B87	1027	0.25	No Message
Piso 2	B87	1027	0.75	No Message
Piso 2	B87	1027	1.25	No Message
Piso 2	B87	1027	1.75	No Message
Piso 2	B87	1027	2.25	No Message
Piso 2	B87	1027	2.75	No Message
Piso 2	B87	1027	3.25	No Message
Piso 2	B87	1027	3.75	No Message
Piso 2	B87	1027	4.25	No Message
Piso 2	B87	1027	4.75	No Message
Piso 2	B87	1027	5.25	No Message
Piso 2	B87	1027	5.75	No Message
Piso 2	B90	1030	0.25	No Message
Piso 2	B90	1030	0.75	No Message
Piso 2	B90	1030	1.25	No Message
Piso 2	B90	1030	1.75	No Message
Piso 2	B90	1030	2.25	No Message
Piso 2	B90	1030	2.75	No Message
Piso 2	B90	1030	3.25	No Message
Piso 2	B90	1030	3.75	No Message
Piso 2	B90	1030	4.25	No Message
Piso 2	B90	1030	4.75	No Message
Piso 2	B90	1030	5.25	No Message
Piso 2	B90	1030	5.75	No Message
Piso 2	B91	1031	0.25	No Message
Piso 2	B91	1031	0.75	No Message
Piso 2	B91	1031	1.25	No Message
Piso 2	B91	1031	1.75	No Message
Piso 2	B91	1031	2.25	No Message
Piso 2	B91	1031	2.75	No Message
Piso 2	B91	1031	3.25	No Message
Piso 2	B91	1031	3.75	No Message
Piso 2	B91	1031	4.25	No Message
Piso 2	B91	1031	4.75	No Message
Piso 2	B91	1031	5.25	No Message
Piso 2	B91	1031	5.75	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 4 of 4

Story	Label	UniqueName	Station	ErrMsg
Unitless	Unitless	Unitless	m	Unitless
Piso 2	B92	1032	0.25	No Message
Piso 2	B92	1032	0.75	No Message
Piso 2	B92	1032	1.25	No Message
Piso 2	B92	1032	1.75	No Message
Piso 2	B92	1032	2.25	No Message
Piso 2	B92	1032	2.75	No Message
Piso 2	B92	1032	3.25	No Message
Piso 2	B92	1032	3.75	No Message
Piso 2	B92	1032	4.25	No Message
Piso 2	B92	1032	4.75	No Message
Piso 2	B92	1032	5.25	No Message
Piso 2	B92	1032	5.75	No Message
Piso 2	B93	1033	0.25	No Message
Piso 2	B93	1033	0.75	No Message
Piso 2	B93	1033	1.25	No Message
Piso 2	B93	1033	1.75	No Message
Piso 2	B93	1033	2.25	No Message
Piso 2	B93	1033	2.75	No Message
Piso 2	B93	1033	3.25	No Message
Piso 2	B93	1033	3.75	No Message
Piso 2	B93	1033	4.25	No Message
Piso 2	B93	1033	4.75	No Message
Piso 2	B93	1033	5.25	No Message
Piso 2	B93	1033	5.75	No Message
Piso 2	B94	697	0.3	No Message
Piso 2	B94	697	0.4775	No Message
Piso 2	B94	697	0.4775	No Message
Piso 2	B94	697	0.955	No Message
Piso 2	B94	697	0.955	No Message
Piso 2	B94	697	1.3375	No Message
Piso 2	B94	697	1.3375	No Message
Piso 2	B94	697	1.72	No Message
Piso 2	B94	697	1.72	No Message
Piso 2	B94	697	2.216	No Message
Piso 2	B94	697	2.712	No Message
Piso 2	B94	697	3.208	No Message
Piso 2	B94	697	3.704	No Message
Piso 2	B94	697	4.2	No Message
Piso 2	B94	697	4.2	No Message
Piso 2	B94	697	4.666	No Message
Piso 2	B94	697	5.132	No Message
Piso 2	B94	697	5.598	No Message
Piso 2	B94	697	6.064	No Message
Piso 2	B94	697	6.53	No Message
Piso 2	B94	697	6.53	No Message
Piso 2	B94	697	6.87	No Message
Piso 2	B94	697	6.87	No Message
Piso 2	B94	697	7.21	No Message
Piso 2	B94	697	7.21	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 4 of 4

Story	Label	UniqueName	Station	ErrMsg
Unitless	Unitless	Unitless	m	Unitless
Piso 2	B94	697	7.55	No Message
Piso 2	B94	697	7.55	No Message
Piso 2	B94	697	7.975	No Message
Piso 2	B94	697	7.975	No Message
Piso 2	B94	697	8.15	No Message
Piso 2	B95	729	0.3	No Message
Piso 2	B95	729	0.4775	No Message
Piso 2	B95	729	0.4775	No Message
Piso 2	B95	729	0.955	No Message
Piso 2	B95	729	0.955	No Message
Piso 2	B95	729	1.3375	No Message
Piso 2	B95	729	1.3375	No Message
Piso 2	B95	729	1.72	No Message
Piso 2	B95	729	1.72	No Message
Piso 2	B95	729	2.216	No Message
Piso 2	B95	729	2.712	No Message
Piso 2	B95	729	3.208	No Message
Piso 2	B95	729	3.704	No Message
Piso 2	B95	729	4.2	No Message
Piso 2	B95	729	4.2	No Message
Piso 2	B95	729	4.666	No Message
Piso 2	B95	729	5.132	No Message
Piso 2	B95	729	5.598	No Message
Piso 2	B95	729	6.064	No Message
Piso 2	B95	729	6.53	No Message
Piso 2	B95	729	6.53	No Message
Piso 2	B95	729	6.87	No Message
Piso 2	B95	729	6.87	No Message
Piso 2	B95	729	7.21	No Message
Piso 2	B95	729	7.21	No Message
Piso 2	B95	729	7.55	No Message
Piso 2	B95	729	7.55	No Message
Piso 2	B95	729	7.975	No Message
Piso 2	B95	729	7.975	No Message
Piso 2	B95	729	8.15	No Message
Piso 2	B96	749	0.3	No Message
Piso 2	B96	749	0.3	No Message
Piso 2	B96	749	0.3	No Message
Piso 2	B96	749	0.4775	No Message
Piso 2	B96	749	0.4775	No Message
Piso 2	B96	749	0.6	No Message
Piso 2	B96	749	0.6	No Message
Piso 2	B96	749	0.955	No Message
Piso 2	B96	749	0.955	No Message
Piso 2	B96	749	1.3375	No Message
Piso 2	B96	749	1.3375	No Message
Piso 2	B96	749	1.72	No Message
Piso 2	B96	749	1.72	No Message
Piso 2	B96	749	2.216	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 4 of 4

Story	Label	UniqueName	Station	ErrMsg
Unitless	Unitless	Unitless	m	Unitless
Piso 2	B96	749	2.712	No Message
Piso 2	B96	749	3.208	No Message
Piso 2	B96	749	3.704	No Message
Piso 2	B96	749	4.2	No Message
Piso 2	B96	749	4.2	No Message
Piso 2	B96	749	4.666	No Message
Piso 2	B96	749	5.132	No Message
Piso 2	B96	749	5.598	No Message
Piso 2	B96	749	6.064	No Message
Piso 2	B96	749	6.53	No Message
Piso 2	B96	749	6.53	No Message
Piso 2	B96	749	6.87	No Message
Piso 2	B96	749	6.87	No Message
Piso 2	B96	749	7.21	No Message
Piso 2	B96	749	7.21	No Message
Piso 2	B96	749	7.55	No Message
Piso 2	B96	749	7.55	No Message
Piso 2	B96	749	7.975	No Message
Piso 2	B96	749	7.975	No Message
Piso 2	B96	749	8.15	No Message
Piso 2	B121	736	0.2	No Message
Piso 2	B121	736	0.69091	No Message
Piso 2	B121	736	1.18182	No Message
Piso 2	B121	736	1.67273	No Message
Piso 2	B121	736	2.16364	No Message
Piso 2	B121	736	2.65455	No Message
Piso 2	B121	736	3.14545	No Message
Piso 2	B121	736	3.63636	No Message
Piso 2	B121	736	4.12727	No Message
Piso 2	B121	736	4.61818	No Message
Piso 2	B121	736	5.10909	No Message
Piso 2	B121	736	5.6	No Message
Piso 2	B122	746	0.2	No Message
Piso 2	B122	746	0.475	No Message
Piso 2	B122	746	0.475	No Message
Piso 2	B122	746	0.95	No Message
Piso 2	B122	746	0.95	No Message
Piso 2	B122	746	1.425	No Message
Piso 2	B122	746	1.425	No Message
Piso 2	B122	746	1.9	No Message
Piso 2	B122	746	1.9	No Message
Piso 2	B122	746	2.375	No Message
Piso 2	B122	746	2.375	No Message
Piso 2	B122	746	2.6	No Message
Piso 2	B109	509	0.3	No Message
Piso 2	B109	509	0.5	No Message
Piso 2	B109	509	0.5	No Message
Piso 2	B109	509	1	No Message
Piso 2	B109	509	1	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 4 of 4

Story	Label	UniqueName	Station	ErrMsg
Unitless	Unitless	Unitless	m	Unitless
Piso 2	B109	509	1.5	No Message
Piso 2	B109	509	1.5	No Message
Piso 2	B109	509	2	No Message
Piso 2	B109	509	2	No Message
Piso 2	B109	509	2.5	No Message
Piso 2	B109	509	2.5	No Message
Piso 2	B109	509	3	No Message
Piso 2	B109	509	3	No Message
Piso 2	B109	509	3.5	No Message
Piso 2	B109	509	3.5	No Message
Piso 2	B109	509	4	No Message
Piso 2	B109	509	4	No Message
Piso 2	B109	509	4.5	No Message
Piso 2	B109	509	4.5	No Message
Piso 2	B109	509	5	No Message
Piso 2	B109	509	5	No Message
Piso 2	B109	509	5.5	No Message
Piso 2	B109	509	5.5	No Message
Piso 2	B109	509	5.7	No Message
Piso 2	B112	730	0.3	No Message
Piso 2	B112	730	0.5	No Message
Piso 2	B112	730	0.5	No Message
Piso 2	B112	730	1	No Message
Piso 2	B112	730	1	No Message
Piso 2	B112	730	1.5	No Message
Piso 2	B112	730	1.5	No Message
Piso 2	B112	730	2	No Message
Piso 2	B112	730	2	No Message
Piso 2	B112	730	2.5	No Message
Piso 2	B112	730	2.5	No Message
Piso 2	B112	730	3	No Message
Piso 2	B112	730	3	No Message
Piso 2	B112	730	3.5	No Message
Piso 2	B112	730	3.5	No Message
Piso 2	B112	730	4	No Message
Piso 2	B112	730	4	No Message
Piso 2	B112	730	4.5	No Message
Piso 2	B112	730	4.5	No Message
Piso 2	B112	730	5	No Message
Piso 2	B112	730	5	No Message
Piso 2	B112	730	5.5	No Message
Piso 2	B112	730	5.5	No Message
Piso 2	B112	730	5.7	No Message
Piso 2	B115	731	0.3	No Message
Piso 2	B115	731	0.5	No Message
Piso 2	B115	731	0.5	No Message
Piso 2	B115	731	1	No Message
Piso 2	B115	731	1	No Message
Piso 2	B115	731	1.5	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 4 of 4

Story	Label	UniqueName	Station	ErrMsg
Unitless	Unitless	Unitless	m	Unitless
Piso 2	B115	731	1.5	No Message
Piso 2	B115	731	2	No Message
Piso 2	B115	731	2	No Message
Piso 2	B115	731	2.5	No Message
Piso 2	B115	731	2.5	No Message
Piso 2	B115	731	3	No Message
Piso 2	B115	731	3	No Message
Piso 2	B115	731	3.5	No Message
Piso 2	B115	731	3.5	No Message
Piso 2	B115	731	4	No Message
Piso 2	B115	731	4	No Message
Piso 2	B115	731	4.5	No Message
Piso 2	B115	731	4.5	No Message
Piso 2	B115	731	5	No Message
Piso 2	B115	731	5	No Message
Piso 2	B115	731	5.5	No Message
Piso 2	B115	731	5.5	No Message
Piso 2	B115	731	5.7	No Message
Piso 2	B136	873	0.3	No Message
Piso 2	B136	873	0.79091	No Message
Piso 2	B136	873	1.28182	No Message
Piso 2	B136	873	1.77273	No Message
Piso 2	B136	873	2.26364	No Message
Piso 2	B136	873	2.75455	No Message
Piso 2	B136	873	3.24545	No Message
Piso 2	B136	873	3.73636	No Message
Piso 2	B136	873	4.22727	No Message
Piso 2	B136	873	4.71818	No Message
Piso 2	B136	873	5.20909	No Message
Piso 2	B136	873	5.7	No Message
Piso 2	B139	913	0.3	No Message
Piso 2	B139	913	0.79091	No Message
Piso 2	B139	913	1.28182	No Message
Piso 2	B139	913	1.77273	No Message
Piso 2	B139	913	2.26364	No Message
Piso 2	B139	913	2.75455	No Message
Piso 2	B139	913	3.24545	No Message
Piso 2	B139	913	3.73636	No Message
Piso 2	B139	913	4.22727	No Message
Piso 2	B139	913	4.71818	No Message
Piso 2	B139	913	5.20909	No Message
Piso 2	B139	913	5.7	No Message
Piso 2	B141	1028	0.25	No Message
Piso 2	B141	1028	0.75	No Message
Piso 2	B141	1028	1.25	No Message
Piso 2	B141	1028	1.75	No Message
Piso 2	B141	1028	2.25	No Message
Piso 2	B141	1028	2.75	No Message
Piso 2	B141	1028	3.25	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 4 of 4

Story	Label	UniqueName	Station	ErrMsg
Unitless	Unitless	Unitless	m	Unitless
Piso 2	B141	1028	3.75	No Message
Piso 2	B141	1028	4.25	No Message
Piso 2	B141	1028	4.75	No Message
Piso 2	B141	1028	5.25	No Message
Piso 2	B141	1028	5.75	No Message
Piso 2	B127	529	0.25	No Message
Piso 2	B127	529	0.71875	No Message
Piso 2	B127	529	1.1875	No Message
Piso 2	B127	529	1.65625	No Message
Piso 2	B127	529	2.125	No Message
Piso 2	B127	529	2.59375	No Message
Piso 2	B127	529	3.0625	No Message
Piso 2	B127	529	3.53125	No Message
Piso 2	B127	529	4	No Message
Piso 2	B127	529	4	No Message
Piso 2	B127	529	4.4	No Message
Piso 2	B127	529	4.4	No Message
Piso 2	B127	529	4.8	No Message
Piso 2	B127	529	4.8	No Message
Piso 2	B127	529	5.2	No Message
Piso 2	B127	529	5.2	No Message
Piso 2	B127	529	5.35	No Message
Piso 2	B129	537	0.25	No Message
Piso 2	B129	537	0.69	No Message
Piso 2	B129	537	1.13	No Message
Piso 2	B129	537	1.57	No Message
Piso 2	B129	537	2.01	No Message
Piso 2	B129	537	2.45	No Message
Piso 2	B129	537	2.89	No Message
Piso 2	B129	537	3.33	No Message
Piso 2	B129	537	3.77	No Message
Piso 2	B130	541	0.3	No Message
Piso 2	B130	541	0.44667	No Message
Piso 2	B130	541	0.44667	No Message
Piso 2	B130	541	0.89333	No Message
Piso 2	B130	541	0.89333	No Message
Piso 2	B130	541	1.34	No Message
Piso 2	B130	541	1.34	No Message
Piso 2	B130	541	1.78667	No Message
Piso 2	B130	541	1.78667	No Message
Piso 2	B130	541	2.23333	No Message
Piso 2	B130	541	2.23333	No Message
Piso 2	B130	541	2.68	No Message
Piso 2	B130	541	2.68	No Message
Piso 2	B130	541	3.12667	No Message
Piso 2	B130	541	3.12667	No Message
Piso 2	B130	541	3.57333	No Message
Piso 2	B130	541	3.57333	No Message
Piso 2	B130	541	3.77	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 4 of 4

Story	Label	UniqueName	Station	ErrMsg
Unitless	Unitless	Unitless	m	Unitless
Piso 2	B131	545	0.3	No Message
Piso 2	B131	545	0.44667	No Message
Piso 2	B131	545	0.44667	No Message
Piso 2	B131	545	0.89333	No Message
Piso 2	B131	545	0.89333	No Message
Piso 2	B131	545	1.34	No Message
Piso 2	B131	545	1.34	No Message
Piso 2	B131	545	1.78667	No Message
Piso 2	B131	545	1.78667	No Message
Piso 2	B131	545	2.23333	No Message
Piso 2	B131	545	2.23333	No Message
Piso 2	B131	545	2.68	No Message
Piso 2	B131	545	2.68	No Message
Piso 2	B131	545	3.12667	No Message
Piso 2	B131	545	3.12667	No Message
Piso 2	B131	545	3.57333	No Message
Piso 2	B131	545	3.57333	No Message
Piso 2	B131	545	3.77	No Message
Piso 2	B478	533	0.25	No Message
Piso 2	B478	533	0.6	No Message
Piso 2	B478	533	0.6	No Message
Piso 2	B478	533	1	No Message
Piso 2	B478	533	1.4	No Message
Piso 2	B478	533	1.4	No Message
Piso 2	B478	533	1.8	No Message
Piso 2	B478	533	2.2	No Message
Piso 2	B478	533	2.2	No Message
Piso 2	B478	533	2.6	No Message
Piso 2	B478	533	3	No Message
Piso 2	B478	533	3	No Message
Piso 2	B478	533	3.4	No Message
Piso 2	B478	533	3.8	No Message
Piso 2	B478	533	3.8	No Message
Piso 2	B478	533	4.2	No Message
Piso 2	B478	533	4.6	No Message
Piso 2	B478	533	4.6	No Message
Piso 2	B478	533	5	No Message
Piso 2	B478	533	5.4	No Message
Piso 2	B478	533	5.4	No Message
Piso 2	B478	533	5.8	No Message
Piso 2	B478	533	6.2	No Message
Piso 2	B478	533	6.2	No Message
Piso 2	B478	533	6.6	No Message
Piso 2	B478	533	7	No Message
Piso 2	B478	533	7	No Message
Piso 2	B478	533	7.4	No Message
Piso 2	B478	533	7.8	No Message
Piso 2	B478	533	7.8	No Message
Piso 2	B478	533	8.15	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 4 of 4

Story	Label	UniqueName	Station	ErrMsg
Unitless	Unitless	Unitless	m	Unitless
Piso 2	B14	789	0.3	No Message
Piso 2	B14	789	0.4	No Message
Piso 2	B14	789	0.4	No Message
Piso 2	B14	789	0.43333	No Message
Piso 2	B14	789	0.43333	No Message
Piso 2	B14	789	0.8	No Message
Piso 2	B14	789	0.8	No Message
Piso 2	B14	789	0.86667	No Message
Piso 2	B14	789	0.86667	No Message
Piso 2	B14	789	1.3	No Message
Piso 2	B14	789	1.3	No Message
Piso 2	B14	789	1.75	No Message
Piso 2	B14	789	2.2	No Message
Piso 2	B14	789	2.65	No Message
Piso 2	B14	789	3.1	No Message
Piso 2	B14	789	3.55	No Message
Piso 2	B14	789	4	No Message
Piso 2	B101	801	0.3	No Message
Piso 2	B101	801	0.43333	No Message
Piso 2	B101	801	0.43333	No Message
Piso 2	B101	801	0.86667	No Message
Piso 2	B101	801	0.86667	No Message
Piso 2	B101	801	1.3	No Message
Piso 2	B101	801	1.3	No Message
Piso 2	B101	801	1.75	No Message
Piso 2	B101	801	2.2	No Message
Piso 2	B101	801	2.65	No Message
Piso 2	B101	801	3.1	No Message
Piso 2	B101	801	3.55	No Message
Piso 2	B101	801	4	No Message
Piso 2	B140	813	0.3	No Message
Piso 2	B140	813	0.43333	No Message
Piso 2	B140	813	0.43333	No Message
Piso 2	B140	813	0.86667	No Message
Piso 2	B140	813	0.86667	No Message
Piso 2	B140	813	1.3	No Message
Piso 2	B140	813	1.3	No Message
Piso 2	B140	813	1.75	No Message
Piso 2	B140	813	2.2	No Message
Piso 2	B140	813	2.65	No Message
Piso 2	B140	813	3.1	No Message
Piso 2	B140	813	3.55	No Message
Piso 2	B140	813	4	No Message
Piso 2	B158	965	0.2	No Message
Piso 2	B158	965	0.66667	No Message
Piso 2	B158	965	1.13333	No Message
Piso 2	B158	965	1.6	No Message
Piso 2	B158	965	2.06667	No Message
Piso 2	B158	965	2.53333	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 4 of 4

Story	Label	UniqueName	Station	ErrMsg
Unitless	Unitless	Unitless	m	Unitless
Piso 2	B158	965	3	No Message
Piso 2	B158	965	3.46667	No Message
Piso 2	B158	965	3.93333	No Message
Piso 2	B158	965	4.4	No Message
Piso 2	B158	965	4.86667	No Message
Piso 2	B158	965	5.33333	No Message
Piso 2	B158	965	5.8	No Message
Piso 2	B159	969	0.2	No Message
Piso 2	B159	969	0.66667	No Message
Piso 2	B159	969	1.13333	No Message
Piso 2	B159	969	1.6	No Message
Piso 2	B159	969	2.06667	No Message
Piso 2	B159	969	2.53333	No Message
Piso 2	B159	969	3	No Message
Piso 2	B159	969	3.46667	No Message
Piso 2	B159	969	3.93333	No Message
Piso 2	B159	969	4.4	No Message
Piso 2	B159	969	4.86667	No Message
Piso 2	B159	969	5.33333	No Message
Piso 2	B159	969	5.8	No Message
Piso 2	B4	1005	0.2	No Message
Piso 2	B4	1005	0.64625	No Message
Piso 2	B4	1005	1.0925	No Message
Piso 2	B4	1005	1.53875	No Message
Piso 2	B4	1005	1.985	No Message
Piso 2	B4	1005	2.43125	No Message
Piso 2	B4	1005	2.8775	No Message
Piso 2	B4	1005	3.32375	No Message
Piso 2	B4	1005	3.77	No Message
Piso 2	B18	849	0.3	No Message
Piso 2	B18	849	0.6275	No Message
Piso 2	B18	849	0.955	No Message
Piso 2	B18	849	0.955	No Message
Piso 2	B18	849	1.32	No Message
Piso 2	B18	849	1.685	No Message
Piso 2	B18	849	2.05	No Message
Piso 2	B18	849	2.05	No Message
Piso 2	B18	849	2.45	No Message
Piso 2	B18	849	2.85	No Message
Piso 2	B18	849	2.85	No Message
Piso 2	B18	849	3.125	No Message
Piso 2	B18	849	3.4	No Message
Piso 2	B77	853	0.25	No Message
Piso 2	B77	853	0.72222	No Message
Piso 2	B77	853	1.19444	No Message
Piso 2	B77	853	1.66667	No Message
Piso 2	B77	853	2.13889	No Message
Piso 2	B77	853	2.61111	No Message
Piso 2	B77	853	3.08333	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 4 of 4

Story	Label	UniqueName	Station	ErrMsg
Unitless	Unitless	Unitless	m	Unitless
Piso 2	B77	853	3.55556	No Message
Piso 2	B77	853	4.02778	No Message
Piso 2	B77	853	4.5	No Message
Piso 2	B80	1057	0.25	No Message
Piso 2	B80	1057	0.68571	No Message
Piso 2	B80	1057	1.12143	No Message
Piso 2	B80	1057	1.55714	No Message
Piso 2	B80	1057	1.99286	No Message
Piso 2	B80	1057	2.42857	No Message
Piso 2	B80	1057	2.86429	No Message
Piso 2	B80	1057	3.3	No Message
Piso 2	B80	1057	3.3	No Message
Piso 2	B80	1057	3.79	No Message
Piso 2	B80	1057	4.28	No Message
Piso 2	B80	1057	4.77	No Message
Piso 2	B80	1057	5.26	No Message
Piso 2	B80	1057	5.75	No Message
Piso 2	B143	1009	0.2	No Message
Piso 2	B143	1009	0.68333	No Message
Piso 2	B143	1009	1.16667	No Message
Piso 2	B143	1009	1.65	No Message
Piso 2	B143	1009	2.13333	No Message
Piso 2	B143	1009	2.61667	No Message
Piso 2	B143	1009	3.1	No Message
Piso 2	B153	1013	0	No Message
Piso 2	B153	1013	0.4	No Message
Piso 2	B153	1013	0.8	No Message
Piso 2	B153	1013	0.8	No Message
Piso 2	B153	1013	1.2	No Message
Piso 2	B153	1013	1.6	No Message
Piso 2	B153	1013	1.6	No Message
Piso 2	B153	1013	2	No Message
Piso 2	B153	1013	2.4	No Message
Piso 2	B153	1013	2.4	No Message
Piso 2	B153	1013	2.77	No Message
Piso 2	B153	1013	2.77	No Message
Piso 2	B153	1013	3.2	No Message
Piso 2	B153	1013	3.2	No Message
Piso 2	B153	1013	3.5	No Message
Piso 2	B153	1013	3.8	No Message
Piso 2	B175	1017	0.2	No Message
Piso 2	B175	1017	0.64625	No Message
Piso 2	B175	1017	1.0925	No Message
Piso 2	B175	1017	1.53875	No Message
Piso 2	B175	1017	1.985	No Message
Piso 2	B175	1017	2.43125	No Message
Piso 2	B175	1017	2.8775	No Message
Piso 2	B175	1017	3.32375	No Message
Piso 2	B175	1017	3.77	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 4 of 4

Story	Label	UniqueName	Station	ErrMsg
Unitless	Unitless	Unitless	m	Unitless
Piso 2	B194	1021	0.2	No Message
Piso 2	B194	1021	0.65	No Message
Piso 2	B194	1021	1.1	No Message
Piso 2	B194	1021	1.55	No Message
Piso 2	B194	1021	2	No Message
Piso 2	B194	1021	2.45	No Message
Piso 2	B204	1053	0	No Message
Piso 2	B204	1053	0.35	No Message
Piso 2	B204	1053	0.7	No Message
Piso 2	B204	1053	0.7	No Message
Piso 2	B204	1053	1.1	No Message
Piso 2	B204	1053	1.5	No Message
Piso 2	B204	1053	1.5	No Message
Piso 2	B204	1053	1.9	No Message
Piso 2	B204	1053	2.3	No Message
Piso 2	B204	1053	2.3	No Message
Piso 2	B204	1053	2.7	No Message
Piso 2	B204	1053	3.1	No Message
Piso 2	B204	1053	3.1	No Message
Piso 2	B204	1053	3.5	No Message
Piso 2	B204	1053	3.9	No Message
Piso 2	B204	1053	3.9	No Message
Piso 2	B204	1053	4.325	No Message
Piso 2	B204	1053	4.75	No Message
Piso 2	B466	738	0	No Message
Piso 2	B466	738	0.4125	No Message
Piso 2	B466	738	0.825	No Message
Piso 2	B466	738	1.2375	No Message
Piso 2	B466	738	1.65	No Message
Piso 2	B466	738	1.65	No Message
Piso 2	B466	738	2.0625	No Message
Piso 2	B466	738	2.475	No Message
Piso 2	B466	738	2.8875	No Message
Piso 2	B466	738	3.3	No Message
Piso 2	B26	11	0.2	No Message
Piso 2	B26	11	0.617	No Message
Piso 2	B26	11	0.617	No Message
Piso 2	B26	11	1.017	No Message
Piso 2	B26	11	1.417	No Message
Piso 2	B26	11	1.417	No Message
Piso 2	B26	11	1.817	No Message
Piso 2	B26	11	2.217	No Message
Piso 2	B26	11	2.217	No Message
Piso 2	B26	11	2.617	No Message
Piso 2	B26	11	3.017	No Message
Piso 2	B26	11	3.017	No Message
Piso 2	B26	11	3.417	No Message
Piso 2	B26	11	3.417	No Message
Piso 2	B26	11	3.567	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 4 of 4

Story	Label	UniqueName	Station	ErrMsg
Unitless	Unitless	Unitless	m	Unitless
Piso 2	B38	15	0.2	No Message
Piso 2	B38	15	0.5535	No Message
Piso 2	B38	15	0.907	No Message
Piso 2	B38	15	0.907	No Message
Piso 2	B38	15	1.307	No Message
Piso 2	B38	15	1.707	No Message
Piso 2	B38	15	1.707	No Message
Piso 2	B38	15	2.107	No Message
Piso 2	B38	15	2.507	No Message
Piso 2	B38	15	2.507	No Message
Piso 2	B38	15	2.782	No Message
Piso 2	B38	15	3.057	No Message
Piso 2	B39	17	0.2	No Message
Piso 2	B39	17	0.362	No Message
Piso 2	B39	17	0.362	No Message
Piso 2	B39	17	0.762	No Message
Piso 2	B39	17	1.162	No Message
Piso 2	B39	17	1.162	No Message
Piso 2	B39	17	1.562	No Message
Piso 2	B39	17	1.962	No Message
Piso 2	B39	17	1.962	No Message
Piso 2	B39	17	2.362	No Message
Piso 2	B39	17	2.762	No Message
Piso 2	B39	17	2.762	No Message
Piso 2	B39	17	3.037	No Message
Piso 2	B39	17	3.312	No Message
Piso 2	B78	20	0.2	No Message
Piso 2	B78	20	0.66712	No Message
Piso 2	B78	20	1.13424	No Message
Piso 2	B78	20	1.60135	No Message
Piso 2	B78	20	2.06847	No Message
Piso 2	B78	20	2.53559	No Message
Piso 2	B78	20	3.00271	No Message
Piso 2	B78	20	3.46983	No Message
Piso 2	B78	20	3.93694	No Message
Piso 2	B78	20	4.40406	No Message
Piso 2	B78	20	4.87118	No Message
Piso 2	B78	20	5.3383	No Message
Piso 2	B78	20	5.80542	No Message
Piso 2	B79	21	0.2	No Message
Piso 2	B79	21	0.66712	No Message
Piso 2	B79	21	1.13424	No Message
Piso 2	B79	21	1.60135	No Message
Piso 2	B79	21	2.06847	No Message
Piso 2	B79	21	2.53559	No Message
Piso 2	B79	21	3.00271	No Message
Piso 2	B79	21	3.46983	No Message
Piso 2	B79	21	3.93694	No Message
Piso 2	B79	21	4.40406	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 4 of 4

Story	Label	UniqueName	Station	ErrMsg
Unitless	Unitless	Unitless	m	Unitless
Piso 2	B79	21	4.87118	No Message
Piso 2	B79	21	5.3383	No Message
Piso 2	B79	21	5.80542	No Message
Piso 2	B81	22	0.2	No Message
Piso 2	B81	22	0.66712	No Message
Piso 2	B81	22	1.13424	No Message
Piso 2	B81	22	1.60135	No Message
Piso 2	B81	22	2.06847	No Message
Piso 2	B81	22	2.53559	No Message
Piso 2	B81	22	3.00271	No Message
Piso 2	B81	22	3.46983	No Message
Piso 2	B81	22	3.93694	No Message
Piso 2	B81	22	4.40406	No Message
Piso 2	B81	22	4.87118	No Message
Piso 2	B81	22	5.3383	No Message
Piso 2	B81	22	5.80542	No Message
Piso 2	B3	66	0.3	No Message
Piso 2	B3	66	0.4775	No Message
Piso 2	B3	66	0.4775	No Message
Piso 2	B3	66	0.955	No Message
Piso 2	B3	66	0.955	No Message
Piso 2	B3	66	1.3375	No Message
Piso 2	B3	66	1.3375	No Message
Piso 2	B3	66	1.72	No Message
Piso 2	B3	66	1.72	No Message
Piso 2	B3	66	2.05	No Message
Piso 2	B3	66	2.05	No Message
Piso 2	B3	66	2.45	No Message
Piso 2	B3	66	2.85	No Message
Piso 2	B3	66	2.85	No Message
Piso 2	B3	66	3.125	No Message
Piso 2	B3	66	3.4	No Message
Piso 2	B9	67	0.25	No Message
Piso 2	B9	67	0.55	No Message
Piso 2	B9	67	0.55	No Message
Piso 2	B9	67	0.7	No Message
Piso 2	B9	67	0.7	No Message
Piso 2	B9	67	1.1	No Message
Piso 2	B9	67	1.5	No Message
Piso 2	B9	67	1.5	No Message
Piso 2	B9	67	1.9	No Message
Piso 2	B9	67	2.3	No Message
Piso 2	B9	67	2.3	No Message
Piso 2	B9	67	2.59	No Message
Piso 2	B9	67	2.88	No Message
Piso 2	B9	67	2.88	No Message
Piso 2	B9	67	3.1	No Message
Piso 2	B9	67	3.1	No Message
Piso 2	B9	67	3.22	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 4 of 4

Story	Label	UniqueName	Station	ErrMsg
Unitless	Unitless	Unitless	m	Unitless
Piso 2	B9	67	3.22	No Message
Piso 2	B9	67	3.56	No Message
Piso 2	B9	67	3.56	No Message
Piso 2	B9	67	3.9	No Message
Piso 2	B9	67	3.9	No Message
Piso 2	B9	67	4.325	No Message
Piso 2	B9	67	4.325	No Message
Piso 2	B9	67	4.5	No Message
Piso 2	B574	937	0.25	No Message
Piso 2	B574	937	0.68571	No Message
Piso 2	B574	937	1.12143	No Message
Piso 2	B574	937	1.55714	No Message
Piso 2	B574	937	1.99286	No Message
Piso 2	B574	937	2.42857	No Message
Piso 2	B574	937	2.86429	No Message
Piso 2	B574	937	3.3	No Message
Piso 2	B574	937	3.3	No Message
Piso 2	B574	937	3.79	No Message
Piso 2	B574	937	4.28	No Message
Piso 2	B574	937	4.77	No Message
Piso 2	B574	937	5.26	No Message
Piso 2	B574	937	5.75	No Message
Piso 2	B181	481	0	No Message
Piso 2	B181	481	0.5	No Message
Piso 2	B181	481	0.5	No Message
Piso 2	B181	481	1	No Message
Piso 2	B181	481	1	No Message
Piso 2	B181	481	1.5	No Message
Piso 2	B181	481	1.5	No Message
Piso 2	B181	481	2	No Message
Piso 2	B181	481	2	No Message
Piso 2	B181	481	2.5	No Message
Piso 2	B181	481	2.5	No Message
Piso 2	B181	481	3	No Message
Piso 2	B181	481	3	No Message
Piso 2	B181	481	3.5	No Message
Piso 2	B181	481	3.5	No Message
Piso 2	B181	481	4	No Message
Piso 2	B181	481	4	No Message
Piso 2	B181	481	4.5	No Message
Piso 2	B181	481	4.5	No Message
Piso 2	B181	481	5	No Message
Piso 2	B181	481	5	No Message
Piso 2	B181	481	5.5	No Message
Piso 2	B181	481	5.5	No Message
Piso 2	B181	481	6	No Message
Piso 2	B184	485	0	No Message
Piso 2	B184	485	0.5	No Message
Piso 2	B184	485	0.5	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 4 of 4

Story	Label	UniqueName	Station	ErrMsg
Unitless	Unitless	Unitless	m	Unitless
Piso 2	B184	485	1	No Message
Piso 2	B184	485	1	No Message
Piso 2	B184	485	1.5	No Message
Piso 2	B184	485	1.5	No Message
Piso 2	B184	485	2	No Message
Piso 2	B184	485	2	No Message
Piso 2	B184	485	2.5	No Message
Piso 2	B184	485	2.5	No Message
Piso 2	B184	485	3	No Message
Piso 2	B184	485	3	No Message
Piso 2	B184	485	3.5	No Message
Piso 2	B184	485	3.5	No Message
Piso 2	B184	485	4	No Message
Piso 2	B184	485	4	No Message
Piso 2	B184	485	4.5	No Message
Piso 2	B184	485	4.5	No Message
Piso 2	B184	485	5	No Message
Piso 2	B184	485	5	No Message
Piso 2	B184	485	5.5	No Message
Piso 2	B184	485	5.5	No Message
Piso 2	B184	485	6	No Message

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Table: Concrete Beam Design Summary - ACI 318-08, Part 1 of 4

Story	Label	UniqueName	DesignSect	Station	Status	AsTopCombo	AsMinTop	AsTop
Unitless	Unitless	Unitless	Unitless	m	Unitless	Unitless	m²	m²
CB	B1	687	V(40x50)	0.25	No Message	B.2.4-5b	0.000516	0.000516
CB	B1	687	V(40x50)	0.70909	No Message	B.2.4-5b	0.000411	0.000411
CB	B1	687	V(40x50)	1.16818	No Message	B.2.4-5b	0.000317	0.000317
CB	B1	687	V(40x50)	1.62727	No Message	B.2.4-5b	0.000233	0.000233
CB	B1	687	V(40x50)	2.08636	No Message	B.2.4-5b	0.000197	0.000197
CB	B1	687	V(40x50)	2.54545	No Message	B.2.4-5b	0.000197	0.000197
CB	B1	687	V(40x50)	3.00455	No Message	B.2.4-5b	0.000197	0.000197
CB	B1	687	V(40x50)	3.46364	No Message	B.2.4-5b	0.000197	0.000197
CB	B1	687	V(40x50)	3.92273	No Message	B.2.4-5b	0.000295	0.000295
CB	B1	687	V(40x50)	4.38182	No Message	B.2.4-5b	0.000413	0.000413
CB	B1	687	V(40x50)	4.84091	No Message	B.2.4-5b	0.000543	0.000543
CB	B1	687	V(40x50)	5.3	No Message	B.2.4-7b	0.000603	0.000603
CB	B2	691	V(40x50)	0.3	No Message	B.2.4-5b	0.000603	0.000752
CB	B2	691	V(40x50)	0.42167	No Message	B.2.4-5b	0.000603	0.000664
CB	B2	691	V(40x50)	0.42167	No Message	B.2.4-5b	0.000603	0.000643
CB	B2	691	V(40x50)	0.84333	No Message	B.2.4-5b	0.000511	0.000511
CB	B2	691	V(40x50)	0.84333	No Message	B.2.4-5b	0.000484	0.000484
CB	B2	691	V(40x50)	1.265	No Message	B.2.4-5b	0.000211	0.000211
CB	B2	691	V(40x50)	1.265	No Message	B.2.4-5b	0.000206	0.000206
CB	B2	691	V(40x50)	1.68667	No Message	B.2.4-5b	0.000206	0.000206
CB	B2	691	V(40x50)	1.68667	No Message	B.2.4-5b	0.000199	0.000199
CB	B2	691	V(40x50)	2.10833	No Message	B.2.4-5b	0.000199	0.000199
CB	B2	691	V(40x50)	2.10833	No Message	B.2.4-5b	0.000189	0.000189
CB	B2	691	V(40x50)	2.53	No Message	B.2.4-5b	0.000189	0.000189
CB	B2	691	V(40x50)	2.53	No Message	B.2.4-3b	0.000195	0.000195
CB	B2	691	V(40x50)	2.99417	No Message	B.2.4-3b	0.000195	0.000195
CB	B2	691	V(40x50)	3.45833	No Message	B.2.4-3b	0.000195	0.000195
CB	B2	691	V(40x50)	3.9225	No Message	B.2.4-3b	0.000195	0.000195
CB	B2	691	V(40x50)	4.38667	No Message	B.2.4-3b	0.000195	0.000195
CB	B2	691	V(40x50)	4.85083	No Message	B.2.4-3b	0.000195	0.000195
CB	B2	691	V(40x50)	5.315	No Message	B.2.4-3b	0.000195	0.000195
CB	B2	691	V(40x50)	5.77917	No Message	B.2.4-3b	0.000195	0.000195
CB	B2	691	V(40x50)	6.24333	No Message	B.2.4-3b	0.000195	0.000195
CB	B2	691	V(40x50)	6.7075	No Message	B.2.4-5b	0.000325	0.000325
CB	B2	691	V(40x50)	7.17167	No Message	B.2.4-5b	0.000512	0.000512
CB	B2	691	V(40x50)	7.63583	No Message	B.2.4-5b	0.000603	0.000603
CB	B2	691	V(40x50)	8.1	No Message	B.2.4-5b	0.000603	0.000695
CB	B5	719	V(40x45)	0.25	No Message	B.2.4-5b	0.000521	0.000521
CB	B5	719	V(40x45)	0.69375	No Message	B.2.4-5b	0.000398	0.000398
CB	B5	719	V(40x45)	1.1375	No Message	B.2.4-5b	0.000285	0.000285
CB	B5	719	V(40x45)	1.58125	No Message	B.2.4-7b	0.000188	0.000188
CB	B5	719	V(40x45)	2.025	No Message	B.2.4-5b	0.00016	0.00016
CB	B5	719	V(40x45)	2.46875	No Message	B.2.4-5b	0.00016	0.00016
CB	B5	719	V(40x45)	2.9125	No Message	B.2.4-5b	0.00016	0.00016
CB	B5	719	V(40x45)	3.35625	No Message	B.2.4-5b	0.00016	0.00016
CB	B5	719	V(40x45)	3.8	No Message	B.2.4-5b	0.00026	0.00026

Table: Concrete Beam Design Summary - ACI 318-08, Part 1 of 4

Story	Label	UniqueName	DesignSect	Station	Status	AsTopCombo	AsMinTop	AsTop
Unitless	Unitless	Unitless	Unitless	m	Unitless	Unitless	m²	m²
CB	B6	723	V(40x50)	0.25	No Message	B.2.4-5b	0.000467	0.000467
CB	B6	723	V(40x50)	0.70909	No Message	B.2.4-5b	0.000367	0.000367
CB	B6	723	V(40x50)	1.16818	No Message	B.2.4-5b	0.000278	0.000278
CB	B6	723	V(40x50)	1.62727	No Message	B.2.4-5b	0.000203	0.000203
CB	B6	723	V(40x50)	2.08636	No Message	B.2.4-5b	0.000203	0.000203
CB	B6	723	V(40x50)	2.54545	No Message	B.2.4-5b	0.000203	0.000203
CB	B6	723	V(40x50)	3.00455	No Message	B.2.4-5b	0.000203	0.000203
CB	B6	723	V(40x50)	3.46364	No Message	B.2.4-5b	0.000203	0.000203
CB	B6	723	V(40x50)	3.92273	No Message	B.2.4-5b	0.000306	0.000306
CB	B6	723	V(40x50)	4.38182	No Message	B.2.4-5b	0.000433	0.000433
CB	B6	723	V(40x50)	4.84091	No Message	B.2.4-5b	0.00057	0.00057
CB	B6	723	V(40x50)	5.3	No Message	B.2.4-7b	0.000603	0.000603
CB	B7	727	V(40x50)	0.3	No Message	B.2.4-5b	0.000603	0.000785
CB	B7	727	V(40x50)	0.42167	No Message	B.2.4-5b	0.000603	0.000695
CB	B7	727	V(40x50)	0.42167	No Message	B.2.4-5b	0.000603	0.000671
CB	B7	727	V(40x50)	0.84333	No Message	B.2.4-5b	0.00054	0.00054
CB	B7	727	V(40x50)	0.84333	No Message	B.2.4-5b	0.000509	0.000509
CB	B7	727	V(40x50)	1.265	No Message	B.2.4-7b	0.00023	0.00023
CB	B7	727	V(40x50)	1.265	No Message	B.2.4-5b	0.000219	0.000219
CB	B7	727	V(40x50)	1.68667	No Message	B.2.4-5b	0.000219	0.000219
CB	B7	727	V(40x50)	1.68667	No Message	B.2.4-5b	0.000208	0.000208
CB	B7	727	V(40x50)	2.10833	No Message	B.2.4-5b	0.000208	0.000208
CB	B7	727	V(40x50)	2.10833	No Message	B.2.4-5b	0.000195	0.000195
CB	B7	727	V(40x50)	2.53	No Message	B.2.4-5b	0.000195	0.000195
CB	B7	727	V(40x50)	2.53	No Message	B.2.4-3b	0.000208	0.000208
CB	B7	727	V(40x50)	2.99417	No Message	B.2.4-3b	0.000208	0.000208
CB	B7	727	V(40x50)	3.45833	No Message	B.2.4-3b	0.000208	0.000208
CB	B7	727	V(40x50)	3.9225	No Message	B.2.4-3b	0.000208	0.000208
CB	B7	727	V(40x50)	4.38667	No Message	B.2.4-3b	0.000208	0.000208
CB	B7	727	V(40x50)	4.85083	No Message	B.2.4-3b	0.000208	0.000208
CB	B7	727	V(40x50)	5.315	No Message	B.2.4-3b	0.000208	0.000208
CB	B7	727	V(40x50)	5.77917	No Message	B.2.4-3b	0.000208	0.000208
CB	B7	727	V(40x50)	6.24333	No Message	B.2.4-3b	0.000208	0.000208
CB	B7	727	V(40x50)	6.7075	No Message	B.2.4-5b	0.000356	0.000356
CB	B7	727	V(40x50)	7.17167	No Message	B.2.4-5b	0.00055	0.00055
CB	B7	727	V(40x50)	7.63583	No Message	B.2.4-7b	0.000603	0.000603
CB	B7	727	V(40x50)	8.1	No Message	B.2.4-5b	0.000603	0.000734
CB	B10	739	V(40x45)	0.25	No Message	B.2.4-7b	0.000536	0.000536
CB	B10	739	V(40x45)	0.69375	No Message	B.2.4-5b	0.000498	0.000498
CB	B10	739	V(40x45)	1.1375	No Message	B.2.4-5b	0.000365	0.000365
CB	B10	739	V(40x45)	1.58125	No Message	B.2.4-7b	0.000246	0.000246
CB	B10	739	V(40x45)	2.025	No Message	B.2.4-5b	0.000194	0.000194
CB	B10	739	V(40x45)	2.46875	No Message	B.2.4-5b	0.000194	0.000194
CB	B10	739	V(40x45)	2.9125	No Message	B.2.4-5b	0.000194	0.000194
CB	B10	739	V(40x45)	3.35625	No Message	B.2.4-5b	0.000194	0.000194
CB	B10	739	V(40x45)	3.8	No Message	B.2.4-7b	0.000299	0.000299
CB	B12	747	V(40x50)	0.3	No Message	B.2.4-5b	0.000603	0.000795
CB	B12	747	V(40x50)	0.42167	No Message	B.2.4-5b	0.000603	0.000703

Table: Concrete Beam Design Summary - ACI 318-08, Part 1 of 4

Story	Label	UniqueName	DesignSect	Station	Status	AsTopCombo	AsMinTop	AsTop
Unitless	Unitless	Unitless	Unitless	m	Unitless	Unitless	m²	m²
CB	B12	747	V(40x50)	0.42167	No Message	B.2.4-5b	0.000603	0.000684
CB	B12	747	V(40x50)	0.84333	No Message	B.2.4-5b	0.000549	0.000549
CB	B12	747	V(40x50)	0.84333	No Message	B.2.4-5b	0.000523	0.000523
CB	B12	747	V(40x50)	1.265	No Message	B.2.4-7b	0.000251	0.000251
CB	B12	747	V(40x50)	1.265	No Message	B.2.4-7b	0.00023	0.00023
CB	B12	747	V(40x50)	1.68667	No Message	B.2.4-5b	0.000211	0.000211
CB	B12	747	V(40x50)	1.68667	No Message	B.2.4-5b	0.000202	0.000202
CB	B12	747	V(40x50)	2.10833	No Message	B.2.4-5b	0.000202	0.000202
CB	B12	747	V(40x50)	2.10833	No Message	B.2.4-5b	0.000192	0.000192
CB	B12	747	V(40x50)	2.53	No Message	B.2.4-5b	0.000192	0.000192
CB	B12	747	V(40x50)	2.53	No Message	B.2.4-5b	0.00021	0.00021
CB	B12	747	V(40x50)	2.99417	No Message	B.2.4-5b	0.00021	0.00021
CB	B12	747	V(40x50)	3.45833	No Message	B.2.4-5b	0.00021	0.00021
CB	B12	747	V(40x50)	3.9225	No Message	B.2.4-5b	0.00021	0.00021
CB	B12	747	V(40x50)	4.38667	No Message	B.2.4-5b	0.00021	0.00021
CB	B12	747	V(40x50)	4.85083	No Message	B.2.4-5b	0.00021	0.00021
CB	B12	747	V(40x50)	5.315	No Message	B.2.4-5b	0.00021	0.00021
CB	B12	747	V(40x50)	5.77917	No Message	B.2.4-5b	0.00021	0.00021
CB	B12	747	V(40x50)	6.24333	No Message	B.2.4-5b	0.00021	0.00021
CB	B12	747	V(40x50)	6.7075	No Message	B.2.4-5b	0.000387	0.000387
CB	B12	747	V(40x50)	7.17167	No Message	B.2.4-5b	0.000595	0.000595
CB	B12	747	V(40x50)	7.63583	No Message	B.2.4-5b	0.000603	0.000612
CB	B12	747	V(40x50)	8.1	No Message	B.2.4-5b	0.000603	0.00079
CB	B15	759	V(40x45)	0.25	No Message	B.2.4-5b	0.000536	0.000587
CB	B15	759	V(40x45)	0.69375	No Message	B.2.4-7b	0.000536	0.000536
CB	B15	759	V(40x45)	1.1375	No Message	B.2.4-5b	0.000452	0.000452
CB	B15	759	V(40x45)	1.58125	No Message	B.2.4-7b	0.000307	0.000307
CB	B15	759	V(40x45)	2.025	No Message	B.2.4-5b	0.000234	0.000234
CB	B15	759	V(40x45)	2.46875	No Message	B.2.4-5b	0.000234	0.000234
CB	B15	759	V(40x45)	2.9125	No Message	B.2.4-5b	0.000234	0.000234
CB	B15	759	V(40x45)	3.35625	No Message	B.2.4-7b	0.000249	0.000249
CB	B15	759	V(40x45)	3.8	No Message	B.2.4-5b	0.000392	0.000392
CB	B17	767	V(40x50)	0.3	No Message	B.2.4-5b	0.000603	0.000742
CB	B17	767	V(40x50)	0.42167	No Message	B.2.4-5b	0.000603	0.000658
CB	B17	767	V(40x50)	0.42167	No Message	B.2.4-5b	0.000603	0.00064
CB	B17	767	V(40x50)	0.84333	No Message	B.2.4-5b	0.000525	0.000525
CB	B17	767	V(40x50)	0.84333	No Message	B.2.4-5b	0.000501	0.000501
CB	B17	767	V(40x50)	1.265	No Message	B.2.4-7b	0.000257	0.000257
CB	B17	767	V(40x50)	1.265	No Message	B.2.4-7b	0.000239	0.000239
CB	B17	767	V(40x50)	1.68667	No Message	B.2.4-5b	0.000198	0.000198
CB	B17	767	V(40x50)	1.68667	No Message	B.2.4-5b	0.000189	0.000189
CB	B17	767	V(40x50)	2.10833	No Message	B.2.4-5b	0.000189	0.000189
CB	B17	767	V(40x50)	2.10833	No Message	B.2.4-5b	0.000175	0.000175
CB	B17	767	V(40x50)	2.53	No Message	B.2.4-5b	0.000175	0.000175
CB	B17	767	V(40x50)	2.53	No Message	B.2.4-5b	0.000173	0.000173
CB	B17	767	V(40x50)	2.99417	No Message	B.2.4-5b	0.000173	0.000173
CB	B17	767	V(40x50)	3.45833	No Message	B.2.4-5b	0.000173	0.000173
CB	B17	767	V(40x50)	3.9225	No Message	B.2.4-5b	0.000173	0.000173

Table: Concrete Beam Design Summary - ACI 318-08, Part 1 of 4

Story	Label	UniqueName	DesignSect	Station	Status	AsTopCombo	AsMinTop	AsTop
Unitless	Unitless	Unitless	Unitless	m	Unitless	Unitless	m²	m²
CB	B17	767	V(40x50)	4.38667	No Message	B.2.4-5b	0.000173	0.000173
CB	B17	767	V(40x50)	4.85083	No Message	B.2.4-5b	0.000173	0.000173
CB	B17	767	V(40x50)	5.315	No Message	B.2.4-5b	0.000173	0.000173
CB	B17	767	V(40x50)	5.77917	No Message	B.2.4-5b	0.000173	0.000173
CB	B17	767	V(40x50)	6.24333	No Message	B.2.4-7b	0.000178	0.000178
CB	B17	767	V(40x50)	6.7075	No Message	B.2.4-5b	0.000344	0.000344
CB	B17	767	V(40x50)	7.17167	No Message	B.2.4-5b	0.000538	0.000538
CB	B17	767	V(40x50)	7.63583	No Message	B.2.4-7b	0.000603	0.000603
CB	B17	767	V(40x50)	8.1	No Message	B.2.4-5b	0.000603	0.000726
CB	B20	779	V(40x45)	0.25	No Message	B.2.4-7b	0.000536	0.000536
CB	B20	779	V(40x45)	0.69375	No Message	B.2.4-5b	0.000493	0.000493
CB	B20	779	V(40x45)	1.1375	No Message	B.2.4-5b	0.000338	0.000338
CB	B20	779	V(40x45)	1.58125	No Message	B.2.4-7b	0.0002	0.0002
CB	B20	779	V(40x45)	2.025	No Message	B.2.4-5b	0.000181	0.000181
CB	B20	779	V(40x45)	2.46875	No Message	B.2.4-5b	0.000181	0.000181
CB	B20	779	V(40x45)	2.9125	No Message	B.2.4-5b	0.000181	0.000181
CB	B20	779	V(40x45)	3.35625	No Message	B.2.4-5b	0.000301	0.000301
CB	B20	779	V(40x45)	3.8	No Message	B.2.4-5b	0.000454	0.000454
CB	B21	783	V(40x50)	0.25	No Message	B.2.4-7b	0.000508	0.000508
CB	B21	783	V(40x50)	0.70909	No Message	B.2.4-7b	0.000403	0.000403
CB	B21	783	V(40x50)	1.16818	No Message	B.2.4-7b	0.000307	0.000307
CB	B21	783	V(40x50)	1.62727	No Message	B.2.4-5b	0.000226	0.000226
CB	B21	783	V(40x50)	2.08636	No Message	B.2.4-5b	0.000226	0.000226
CB	B21	783	V(40x50)	2.54545	No Message	B.2.4-5b	0.000226	0.000226
CB	B21	783	V(40x50)	3.00455	No Message	B.2.4-5b	0.000226	0.000226
CB	B21	783	V(40x50)	3.46364	No Message	B.2.4-5b	0.000227	0.000227
CB	B21	783	V(40x50)	3.92273	No Message	B.2.4-5b	0.000362	0.000362
CB	B21	783	V(40x50)	4.38182	No Message	B.2.4-5b	0.000508	0.000508
CB	B21	783	V(40x50)	4.84091	No Message	B.2.4-5b	0.000603	0.000603
CB	B21	783	V(40x50)	5.3	No Message	B.2.4-5b	0.000603	0.000627
CB	B22	787	V(40x50)	0.3	No Message	B.2.4-5b	0.000603	0.000857
CB	B22	787	V(40x50)	0.42167	No Message	B.2.4-5b	0.000603	0.000763
CB	B22	787	V(40x50)	0.42167	No Message	B.2.4-5b	0.000603	0.000735
CB	B22	787	V(40x50)	0.84333	No Message	B.2.4-5b	0.000603	0.000603
CB	B22	787	V(40x50)	0.84333	No Message	B.2.4-5b	0.000573	0.000573
CB	B22	787	V(40x50)	1.265	No Message	B.2.4-7b	0.00028	0.00028
CB	B22	787	V(40x50)	1.265	No Message	B.2.4-7b	0.000255	0.000255
CB	B22	787	V(40x50)	1.68667	No Message	B.2.4-5b	0.000247	0.000247
CB	B22	787	V(40x50)	1.68667	No Message	B.2.4-5b	0.000235	0.000235
CB	B22	787	V(40x50)	2.10833	No Message	B.2.4-5b	0.000235	0.000235
CB	B22	787	V(40x50)	2.10833	No Message	B.2.4-5b	0.000221	0.000221
CB	B22	787	V(40x50)	2.53	No Message	B.2.4-5b	0.000221	0.000221
CB	B22	787	V(40x50)	2.53	No Message	B.2.4-5b	0.000249	0.000249
CB	B22	787	V(40x50)	2.99417	No Message	B.2.4-5b	0.000249	0.000249
CB	B22	787	V(40x50)	3.45833	No Message	B.2.4-5b	0.000249	0.000249
CB	B22	787	V(40x50)	3.9225	No Message	B.2.4-5b	0.000249	0.000249
CB	B22	787	V(40x50)	4.38667	No Message	B.2.4-5b	0.000249	0.000249
CB	B22	787	V(40x50)	4.85083	No Message	B.2.4-5b	0.000249	0.000249

Table: Concrete Beam Design Summary - ACI 318-08, Part 1 of 4

Story	Label	UniqueName	DesignSect	Station	Status	AsTopCombo	AsMinTop	AsTop
Unitless	Unitless	Unitless	Unitless	m	Unitless	Unitless	m²	m²
CB	B22	787	V(40x50)	5.315	No Message	B.2.4-5b	0.000249	0.000249
CB	B22	787	V(40x50)	5.77917	No Message	B.2.4-5b	0.000249	0.000249
CB	B22	787	V(40x50)	6.24333	No Message	B.2.4-5b	0.000249	0.000249
CB	B22	787	V(40x50)	6.7075	No Message	B.2.4-5b	0.000432	0.000432
CB	B22	787	V(40x50)	7.17167	No Message	B.2.4-5b	0.000603	0.000603
CB	B22	787	V(40x50)	7.63583	No Message	B.2.4-5b	0.000603	0.000647
CB	B22	787	V(40x50)	8.1	No Message	B.2.4-5b	0.000603	0.000824
CB	B24	795	V(40x50)	0.25	No Message	B.2.4-5b	0.000535	0.000535
CB	B24	795	V(40x50)	0.70909	No Message	B.2.4-5b	0.000423	0.000423
CB	B24	795	V(40x50)	1.16818	No Message	B.2.4-5b	0.000322	0.000322
CB	B24	795	V(40x50)	1.62727	No Message	B.2.4-5b	0.000231	0.000231
CB	B24	795	V(40x50)	2.08636	No Message	B.2.4-5b	0.000198	0.000198
CB	B24	795	V(40x50)	2.54545	No Message	B.2.4-5b	0.000198	0.000198
CB	B24	795	V(40x50)	3.00455	No Message	B.2.4-5b	0.000198	0.000198
CB	B24	795	V(40x50)	3.46364	No Message	B.2.4-5b	0.000205	0.000205
CB	B24	795	V(40x50)	3.92273	No Message	B.2.4-5b	0.000324	0.000324
CB	B24	795	V(40x50)	4.38182	No Message	B.2.4-5b	0.000453	0.000453
CB	B24	795	V(40x50)	4.84091	No Message	B.2.4-5b	0.000594	0.000594
CB	B24	795	V(40x50)	5.3	No Message	B.2.4-7b	0.000603	0.000603
CB	B25	799	V(40x50)	0.3	No Message	B.2.4-5b	0.000603	0.000797
CB	B25	799	V(40x50)	0.42167	No Message	B.2.4-5b	0.000603	0.000706
CB	B25	799	V(40x50)	0.42167	No Message	B.2.4-5b	0.000603	0.000683
CB	B25	799	V(40x50)	0.84333	No Message	B.2.4-5b	0.000553	0.000553
CB	B25	799	V(40x50)	0.84333	No Message	B.2.4-5b	0.000524	0.000524
CB	B25	799	V(40x50)	1.265	No Message	B.2.4-7b	0.000245	0.000245
CB	B25	799	V(40x50)	1.265	No Message	B.2.4-7b	0.000224	0.000224
CB	B25	799	V(40x50)	1.68667	No Message	B.2.4-5b	0.000218	0.000218
CB	B25	799	V(40x50)	1.68667	No Message	B.2.4-5b	0.00021	0.00021
CB	B25	799	V(40x50)	2.10833	No Message	B.2.4-5b	0.00021	0.00021
CB	B25	799	V(40x50)	2.10833	No Message	B.2.4-5b	0.000199	0.000199
CB	B25	799	V(40x50)	2.53	No Message	B.2.4-5b	0.000199	0.000199
CB	B25	799	V(40x50)	2.53	No Message	B.2.4-5b	0.000212	0.000212
CB	B25	799	V(40x50)	2.99417	No Message	B.2.4-5b	0.000212	0.000212
CB	B25	799	V(40x50)	3.45833	No Message	B.2.4-5b	0.000212	0.000212
CB	B25	799	V(40x50)	3.9225	No Message	B.2.4-5b	0.000212	0.000212
CB	B25	799	V(40x50)	4.38667	No Message	B.2.4-5b	0.000212	0.000212
CB	B25	799	V(40x50)	4.85083	No Message	B.2.4-5b	0.000212	0.000212
CB	B25	799	V(40x50)	5.315	No Message	B.2.4-5b	0.000212	0.000212
CB	B25	799	V(40x50)	5.77917	No Message	B.2.4-5b	0.000212	0.000212
CB	B25	799	V(40x50)	6.24333	No Message	B.2.4-7b	0.00022	0.00022
CB	B25	799	V(40x50)	6.7075	No Message	B.2.4-5b	0.000396	0.000396
CB	B25	799	V(40x50)	7.17167	No Message	B.2.4-5b	0.000598	0.000598
CB	B25	799	V(40x50)	7.63583	No Message	B.2.4-5b	0.000603	0.00061
CB	B25	799	V(40x50)	8.1	No Message	B.2.4-5b	0.000603	0.000782
CB	B27	807	V(40x50)	0.25	No Message	B.2.4-7b	0.000508	0.000508
CB	B27	807	V(40x50)	0.70909	No Message	B.2.4-7b	0.000409	0.000409
CB	B27	807	V(40x50)	1.16818	No Message	B.2.4-7b	0.000317	0.000317
CB	B27	807	V(40x50)	1.62727	No Message	B.2.4-5b	0.000233	0.000233

Table: Concrete Beam Design Summary - ACI 318-08, Part 1 of 4

Story	Label	UniqueName	DesignSect	Station	Status	AsTopCombo	AsMinTop	AsTop
Unitless	Unitless	Unitless	Unitless	m	Unitless	Unitless	m²	m²
CB	B27	807	V(40x50)	2.08636	No Message	B.2.4-5b	0.000233	0.000233
CB	B27	807	V(40x50)	2.54545	No Message	B.2.4-5b	0.000233	0.000233
CB	B27	807	V(40x50)	3.00455	No Message	B.2.4-5b	0.000233	0.000233
CB	B27	807	V(40x50)	3.46364	No Message	B.2.4-5b	0.000233	0.000233
CB	B27	807	V(40x50)	3.92273	No Message	B.2.4-5b	0.000341	0.000341
CB	B27	807	V(40x50)	4.38182	No Message	B.2.4-5b	0.000478	0.000478
CB	B27	807	V(40x50)	4.84091	No Message	B.2.4-5b	0.000603	0.000603
CB	B27	807	V(40x50)	5.3	No Message	B.2.4-7b	0.000603	0.000603
CB	B28	811	V(40x50)	0.3	No Message	B.2.4-5b	0.000603	0.000811
CB	B28	811	V(40x50)	0.42167	No Message	B.2.4-5b	0.000603	0.00072
CB	B28	811	V(40x50)	0.42167	No Message	B.2.4-5b	0.000603	0.000692
CB	B28	811	V(40x50)	0.84333	No Message	B.2.4-5b	0.000564	0.000564
CB	B28	811	V(40x50)	0.84333	No Message	B.2.4-5b	0.000531	0.000531
CB	B28	811	V(40x50)	1.265	No Message	B.2.4-7b	0.000244	0.000244
CB	B28	811	V(40x50)	1.265	No Message	B.2.4-5b	0.000228	0.000228
CB	B28	811	V(40x50)	1.68667	No Message	B.2.4-5b	0.000228	0.000228
CB	B28	811	V(40x50)	1.68667	No Message	B.2.4-5b	0.00022	0.00022
CB	B28	811	V(40x50)	2.10833	No Message	B.2.4-5b	0.00022	0.00022
CB	B28	811	V(40x50)	2.10833	No Message	B.2.4-5b	0.000211	0.000211
CB	B28	811	V(40x50)	2.53	No Message	B.2.4-5b	0.000211	0.000211
CB	B28	811	V(40x50)	2.53	No Message	B.2.4-5b	0.000228	0.000228
CB	B28	811	V(40x50)	2.99417	No Message	B.2.4-5b	0.000228	0.000228
CB	B28	811	V(40x50)	3.45833	No Message	B.2.4-5b	0.000228	0.000228
CB	B28	811	V(40x50)	3.9225	No Message	B.2.4-5b	0.000228	0.000228
CB	B28	811	V(40x50)	4.38667	No Message	B.2.4-5b	0.000228	0.000228
CB	B28	811	V(40x50)	4.85083	No Message	B.2.4-5b	0.000228	0.000228
CB	B28	811	V(40x50)	5.315	No Message	B.2.4-5b	0.000228	0.000228
CB	B28	811	V(40x50)	5.77917	No Message	B.2.4-5b	0.000228	0.000228
CB	B28	811	V(40x50)	6.24333	No Message	B.2.4-5b	0.000228	0.000228
CB	B28	811	V(40x50)	6.7075	No Message	B.2.4-5b	0.000381	0.000381
CB	B28	811	V(40x50)	7.17167	No Message	B.2.4-5b	0.000579	0.000579
CB	B28	811	V(40x50)	7.63583	No Message	B.2.4-7b	0.000603	0.000603
CB	B28	811	V(40x50)	8.1	No Message	B.2.4-5b	0.000603	0.000761
CB	B30	819	V(40x50)	0.25	No Message	B.2.4-7b	0.000603	0.000603
CB	B30	819	V(40x50)	0.42167	No Message	B.2.4-5b	0.000603	0.000603
CB	B30	819	V(40x50)	0.42167	No Message	B.2.4-5b	0.000603	0.000603
CB	B30	819	V(40x50)	0.84333	No Message	B.2.4-5b	0.000406	0.000406
CB	B30	819	V(40x50)	0.84333	No Message	B.2.4-5b	0.000397	0.000397
CB	B30	819	V(40x50)	1.265	No Message	B.2.4-7b	0.000238	0.000238
CB	B30	819	V(40x50)	1.265	No Message	B.2.4-7b	0.000233	0.000233
CB	B30	819	V(40x50)	1.68667	No Message	B.2.4-5b	0.000185	0.000185
CB	B30	819	V(40x50)	1.68667	No Message	B.2.4-5b	0.000187	0.000187
CB	B30	819	V(40x50)	2.10833	No Message	B.2.4-5b	0.000187	0.000187
CB	B30	819	V(40x50)	2.10833	No Message	B.2.4-5b	0.000186	0.000186
CB	B30	819	V(40x50)	2.53	No Message	B.2.4-5b	0.000186	0.000186
CB	B30	819	V(40x50)	2.53	No Message	B.2.4-5b	0.000202	0.000202
CB	B30	819	V(40x50)	2.99833	No Message	B.2.4-5b	0.000202	0.000202
CB	B30	819	V(40x50)	3.46667	No Message	B.2.4-5b	0.000202	0.000202

Table: Concrete Beam Design Summary - ACI 318-08, Part 1 of 4

Story	Label	UniqueName	DesignSect	Station	Status	AsTopCombo	AsMinTop	AsTop
Unitless	Unitless	Unitless	Unitless	m	Unitless	Unitless	m²	m²
CB	B30	819	V(40x50)	3.935	No Message	B.2.4-5b	0.000202	0.000202
CB	B30	819	V(40x50)	4.40333	No Message	B.2.4-5b	0.000202	0.000202
CB	B30	819	V(40x50)	4.87167	No Message	B.2.4-5b	0.000202	0.000202
CB	B30	819	V(40x50)	5.34	No Message	B.2.4-5b	0.000202	0.000202
CB	B30	819	V(40x50)	5.80833	No Message	B.2.4-5b	0.000202	0.000202
CB	B30	819	V(40x50)	6.27667	No Message	B.2.4-5b	0.000202	0.000202
CB	B30	819	V(40x50)	6.745	No Message	B.2.4-5b	0.000331	0.000331
CB	B30	819	V(40x50)	7.21333	No Message	B.2.4-5b	0.000495	0.000495
CB	B30	819	V(40x50)	7.68167	No Message	B.2.4-5b	0.000603	0.000603
CB	B30	819	V(40x50)	8.15	No Message	B.2.4-5b	0.000603	0.000647
CB	B31	823	V(40x50)	0.25	No Message	B.2.4-5b	0.000452	0.000452
CB	B31	823	V(40x50)	0.70909	No Message	B.2.4-7b	0.000361	0.000361
CB	B31	823	V(40x50)	1.16818	No Message	B.2.4-7b	0.00028	0.00028
CB	B31	823	V(40x50)	1.62727	No Message	B.2.4-5b	0.000216	0.000216
CB	B31	823	V(40x50)	2.08636	No Message	B.2.4-5b	0.000216	0.000216
CB	B31	823	V(40x50)	2.54545	No Message	B.2.4-5b	0.000216	0.000216
CB	B31	823	V(40x50)	3.00455	No Message	B.2.4-5b	0.000216	0.000216
CB	B31	823	V(40x50)	3.46364	No Message	B.2.4-5b	0.000216	0.000216
CB	B31	823	V(40x50)	3.92273	No Message	B.2.4-5b	0.000314	0.000314
CB	B31	823	V(40x50)	4.38182	No Message	B.2.4-5b	0.000441	0.000441
CB	B31	823	V(40x50)	4.84091	No Message	B.2.4-5b	0.000579	0.000579
CB	B31	823	V(40x50)	5.3	No Message	B.2.4-7b	0.000603	0.000603
CB	B32	827	V(40x50)	0.3	No Message	B.2.4-5b	0.000603	0.000851
CB	B32	827	V(40x50)	0.42167	No Message	B.2.4-5b	0.000603	0.000749
CB	B32	827	V(40x50)	0.42167	No Message	B.2.4-5b	0.000603	0.000725
CB	B32	827	V(40x50)	0.84333	No Message	B.2.4-5b	0.000564	0.000564
CB	B32	827	V(40x50)	0.84333	No Message	B.2.4-5b	0.000539	0.000539
CB	B32	827	V(40x50)	1.265	No Message	B.2.4-5b	0.000241	0.000241
CB	B32	827	V(40x50)	1.265	No Message	B.2.4-5b	0.00025	0.00025
CB	B32	827	V(40x50)	1.68667	No Message	B.2.4-5b	0.00025	0.00025
CB	B32	827	V(40x50)	1.68667	No Message	B.2.4-5b	0.000259	0.000259
CB	B32	827	V(40x50)	2.10833	No Message	B.2.4-5b	0.000259	0.000259
CB	B32	827	V(40x50)	2.10833	No Message	B.2.4-5b	0.000268	0.000268
CB	B32	827	V(40x50)	2.53	No Message	B.2.4-5b	0.000268	0.000268
CB	B32	827	V(40x50)	2.53	No Message	B.2.4-5b	0.000314	0.000314
CB	B32	827	V(40x50)	2.99417	No Message	B.2.4-5b	0.000314	0.000314
CB	B32	827	V(40x50)	3.45833	No Message	B.2.4-5b	0.000314	0.000314
CB	B32	827	V(40x50)	3.9225	No Message	B.2.4-5b	0.000314	0.000314
CB	B32	827	V(40x50)	4.38667	No Message	B.2.4-5b	0.000314	0.000314
CB	B32	827	V(40x50)	4.85083	No Message	B.2.4-5b	0.000314	0.000314
CB	B32	827	V(40x50)	5.315	No Message	B.2.4-5b	0.000314	0.000314
CB	B32	827	V(40x50)	5.77917	No Message	B.2.4-5b	0.000314	0.000314
CB	B32	827	V(40x50)	6.24333	No Message	B.2.4-5b	0.000314	0.000314
CB	B32	827	V(40x50)	6.7075	No Message	B.2.4-5b	0.000354	0.000354
CB	B32	827	V(40x50)	7.17167	No Message	B.2.4-5b	0.000543	0.000543
CB	B32	827	V(40x50)	7.63583	No Message	B.2.4-7b	0.000603	0.000603
CB	B32	827	V(40x50)	8.1	No Message	B.2.4-5b	0.000603	0.00072
CB	B35	839	V(40x50)	0.25	No Message	B.2.4-7b	0.000316	0.000316

Table: Concrete Beam Design Summary - ACI 318-08, Part 1 of 4

Story	Label	UniqueName	DesignSect	Station	Status	AsTopCombo	AsMinTop	AsTop
Unitless	Unitless	Unitless	Unitless	m	Unitless	Unitless	m²	m²
CB	B35	839	V(40x50)	0.69375	No Message	B.2.4-7b	0.000223	0.000223
CB	B35	839	V(40x50)	1.1375	No Message	B.2.4-7b	0.000137	0.000137
CB	B35	839	V(40x50)	1.58125	No Message	B.2.4-5b	0.000103	0.000103
CB	B35	839	V(40x50)	2.025	No Message	B.2.4-5b	0.000103	0.000103
CB	B35	839	V(40x50)	2.46875	No Message	B.2.4-5b	0.000103	0.000103
CB	B35	839	V(40x50)	2.9125	No Message	B.2.4-7b	0.000158	0.000158
CB	B35	839	V(40x50)	3.35625	No Message	B.2.4-5b	0.000254	0.000254
CB	B35	839	V(40x50)	3.8	No Message	B.2.4-5b	0.000363	0.000363
CB	B37	847	V(40x50)	0.3	No Message	B.2.4-5b	0.000603	0.000996
CB	B37	847	V(40x50)	0.42167	No Message	B.2.4-5b	0.000603	0.000883
CB	B37	847	V(40x50)	0.42167	No Message	B.2.4-5b	0.000603	0.000881
CB	B37	847	V(40x50)	0.84333	No Message	B.2.4-5b	0.000603	0.000603
CB	B37	847	V(40x50)	0.84333	No Message	B.2.4-5b	0.000603	0.000603
CB	B37	847	V(40x50)	1.265	No Message	B.2.4-5b	0.000353	0.000353
CB	B37	847	V(40x50)	1.265	No Message	B.2.4-5b	0.000393	0.000393
CB	B37	847	V(40x50)	1.68667	No Message	B.2.4-5b	0.000393	0.000393
CB	B37	847	V(40x50)	1.68667	No Message	B.2.4-5b	0.000439	0.000439
CB	B37	847	V(40x50)	2.10833	No Message	B.2.4-5b	0.000439	0.000439
CB	B37	847	V(40x50)	2.10833	No Message	B.2.4-5b	0.000489	0.000489
CB	B37	847	V(40x50)	2.53	No Message	B.2.4-5b	0.000489	0.000489
CB	B37	847	V(40x50)	2.53	No Message	B.2.4-5b	0.00059	0.00059
CB	B37	847	V(40x50)	3.01917	No Message	B.2.4-5b	0.00059	0.00059
CB	B37	847	V(40x50)	3.01917	No Message	B.2.4-5b	0.000568	0.000568
CB	B37	847	V(40x50)	3.50833	No Message	B.2.4-5b	0.000568	0.000568
CB	B37	847	V(40x50)	3.50833	No Message	B.2.4-5b	0.000549	0.000549
CB	B37	847	V(40x50)	3.9975	No Message	B.2.4-5b	0.000549	0.000549
CB	B37	847	V(40x50)	3.9975	No Message	B.2.4-5b	0.000535	0.000535
CB	B37	847	V(40x50)	4.48667	No Message	B.2.4-5b	0.000535	0.000535
CB	B37	847	V(40x50)	4.48667	No Message	B.2.4-5b	0.000523	0.000523
CB	B37	847	V(40x50)	4.97583	No Message	B.2.4-5b	0.000523	0.000523
CB	B37	847	V(40x50)	4.97583	No Message	B.2.4-5b	0.000512	0.000512
CB	B37	847	V(40x50)	5.465	No Message	B.2.4-5b	0.000512	0.000512
CB	B37	847	V(40x50)	5.465	No Message	B.2.4-5b	0.0005	0.0005
CB	B37	847	V(40x50)	5.95417	No Message	B.2.4-5b	0.0005	0.0005
CB	B37	847	V(40x50)	5.95417	No Message	B.2.4-5b	0.000489	0.000489
CB	B37	847	V(40x50)	6.44333	No Message	B.2.4-5b	0.000489	0.000489
CB	B37	847	V(40x50)	6.44333	No Message	B.2.4-5b	0.000478	0.000478
CB	B37	847	V(40x50)	6.9325	No Message	B.2.4-5b	0.000555	0.000555
CB	B37	847	V(40x50)	6.9325	No Message	B.2.4-5b	0.000552	0.000552
CB	B37	847	V(40x50)	7.42167	No Message	B.2.4-5b	0.000603	0.000666
CB	B37	847	V(40x50)	7.42167	No Message	B.2.4-5b	0.000603	0.000664
CB	B37	847	V(40x50)	7.91083	No Message	B.2.4-5b	0.000603	0.000956
CB	B37	847	V(40x50)	7.91083	No Message	B.2.4-5b	0.000603	0.000955
CB	B37	847	V(40x50)	8.1	No Message	B.2.4-5b	0.000603	0.001081
CB	B40	859	V(40x45)	0.25	No Message	B.2.4-7b	0.000536	0.000536
CB	B40	859	V(40x45)	0.5	No Message	B.2.4-5b	0.000531	0.000531
CB	B40	859	V(40x45)	0.5	No Message	B.2.4-5b	0.000526	0.000526
CB	B40	859	V(40x45)	1	No Message	B.2.4-7b	0.000305	0.000305

Table: Concrete Beam Design Summary - ACI 318-08, Part 1 of 4

Story	Label	UniqueName	DesignSect	Station	Status	AsTopCombo	AsMinTop	AsTop
Unitless	Unitless	Unitless	Unitless	m	Unitless	Unitless	m²	m²
CB	B40	859	V(40x45)	1	No Message	B.2.4-7b	0.0003	0.0003
CB	B40	859	V(40x45)	1.5	No Message	B.2.4-5b	0.000193	0.000193
CB	B40	859	V(40x45)	1.5	No Message	B.2.4-5b	0.000192	0.000192
CB	B40	859	V(40x45)	2	No Message	B.2.4-5b	0.000192	0.000192
CB	B40	859	V(40x45)	2	No Message	B.2.4-5b	0.000193	0.000193
CB	B40	859	V(40x45)	2.5	No Message	B.2.4-5b	0.000193	0.000193
CB	B40	859	V(40x45)	2.5	No Message	B.2.4-5b	0.000195	0.000195
CB	B40	859	V(40x45)	3	No Message	B.2.4-5b	0.000195	0.000195
CB	B40	859	V(40x45)	3	No Message	B.2.4-5b	0.000197	0.000197
CB	B40	859	V(40x45)	3.5	No Message	B.2.4-5b	0.000197	0.000197
CB	B40	859	V(40x45)	3.5	No Message	B.2.4-5b	0.000201	0.000201
CB	B40	859	V(40x45)	4	No Message	B.2.4-5b	0.000201	0.000201
CB	B40	859	V(40x45)	4	No Message	B.2.4-5b	0.000205	0.000205
CB	B40	859	V(40x45)	4.5	No Message	B.2.4-7b	0.000209	0.000209
CB	B40	859	V(40x45)	4.5	No Message	B.2.4-7b	0.000218	0.000218
CB	B40	859	V(40x45)	5	No Message	B.2.4-5b	0.00042	0.00042
CB	B40	859	V(40x45)	5	No Message	B.2.4-5b	0.000434	0.000434
CB	B40	859	V(40x45)	5.5	No Message	B.2.4-7b	0.000536	0.000536
CB	B40	859	V(40x45)	5.5	No Message	B.2.4-5b	0.000536	0.000539
CB	B40	859	V(40x45)	5.7	No Message	B.2.4-5b	0.000536	0.000632
CB	B41	863	V(40x45)	0.3	No Message	B.2.4-5b	0.000536	0.000618
CB	B41	863	V(40x45)	0.5	No Message	B.2.4-7b	0.000536	0.000536
CB	B41	863	V(40x45)	0.5	No Message	B.2.4-7b	0.000536	0.000536
CB	B41	863	V(40x45)	1	No Message	B.2.4-5b	0.00043	0.00043
CB	B41	863	V(40x45)	1	No Message	B.2.4-5b	0.000425	0.000425
CB	B41	863	V(40x45)	1.5	No Message	B.2.4-7b	0.000227	0.000227
CB	B41	863	V(40x45)	1.5	No Message	B.2.4-5b	0.000226	0.000226
CB	B41	863	V(40x45)	2	No Message	B.2.4-5b	0.000226	0.000226
CB	B41	863	V(40x45)	2	No Message	B.2.4-5b	0.000228	0.000228
CB	B41	863	V(40x45)	2.5	No Message	B.2.4-5b	0.000228	0.000228
CB	B41	863	V(40x45)	2.5	No Message	B.2.4-5b	0.000229	0.000229
CB	B41	863	V(40x45)	2.54	No Message	B.2.4-5b	0.000229	0.000229
CB	B41	863	V(40x45)	2.54	No Message	B.2.4-5b	0.000225	0.000225
CB	B41	863	V(40x45)	3	No Message	B.2.4-5b	0.000225	0.000225
CB	B41	863	V(40x45)	3	No Message	B.2.4-5b	0.000227	0.000227
CB	B41	863	V(40x45)	3.5	No Message	B.2.4-5b	0.000227	0.000227
CB	B41	863	V(40x45)	3.5	No Message	B.2.4-5b	0.00023	0.00023
CB	B41	863	V(40x45)	4	No Message	B.2.4-5b	0.00023	0.00023
CB	B41	863	V(40x45)	4	No Message	B.2.4-5b	0.000233	0.000233
CB	B41	863	V(40x45)	4.5	No Message	B.2.4-7b	0.000233	0.000233
CB	B41	863	V(40x45)	4.5	No Message	B.2.4-7b	0.000239	0.000239
CB	B41	863	V(40x45)	5	No Message	B.2.4-5b	0.000433	0.000433
CB	B41	863	V(40x45)	5	No Message	B.2.4-5b	0.00044	0.00044
CB	B41	863	V(40x45)	5.5	No Message	B.2.4-7b	0.000536	0.000536
CB	B41	863	V(40x45)	5.5	No Message	B.2.4-7b	0.000536	0.000536
CB	B41	863	V(40x45)	5.7	No Message	B.2.4-5b	0.000536	0.000618
CB	B42	867	V(40x45)	0.3	No Message	B.2.4-5b	0.000536	0.000612
CB	B42	867	V(40x45)	0.5	No Message	B.2.4-7b	0.000536	0.000536

Table: Concrete Beam Design Summary - ACI 318-08, Part 1 of 4

Story	Label	UniqueName	DesignSect	Station	Status	AsTopCombo	AsMinTop	AsTop
Unitless	Unitless	Unitless	Unitless	m	Unitless	Unitless	m²	m²
CB	B42	867	V(40x45)	0.5	No Message	B.2.4-7b	0.000536	0.000536
CB	B42	867	V(40x45)	1	No Message	B.2.4-5b	0.000449	0.000449
CB	B42	867	V(40x45)	1	No Message	B.2.4-5b	0.000444	0.000444
CB	B42	867	V(40x45)	1.5	No Message	B.2.4-7b	0.000261	0.000261
CB	B42	867	V(40x45)	1.5	No Message	B.2.4-7b	0.000257	0.000257
CB	B42	867	V(40x45)	2	No Message	B.2.4-5b	0.000253	0.000253
CB	B42	867	V(40x45)	2	No Message	B.2.4-5b	0.000252	0.000252
CB	B42	867	V(40x45)	2.5	No Message	B.2.4-5b	0.000252	0.000252
CB	B42	867	V(40x45)	2.5	No Message	B.2.4-5b	0.000252	0.000252
CB	B42	867	V(40x45)	3	No Message	B.2.4-5b	0.000252	0.000252
CB	B42	867	V(40x45)	3	No Message	B.2.4-5b	0.000253	0.000253
CB	B42	867	V(40x45)	3.5	No Message	B.2.4-5b	0.000253	0.000253
CB	B42	867	V(40x45)	3.5	No Message	B.2.4-5b	0.000254	0.000254
CB	B42	867	V(40x45)	4	No Message	B.2.4-5b	0.000254	0.000254
CB	B42	867	V(40x45)	4	No Message	B.2.4-5b	0.000256	0.000256
CB	B42	867	V(40x45)	4.5	No Message	B.2.4-7b	0.000269	0.000269
CB	B42	867	V(40x45)	4.5	No Message	B.2.4-7b	0.000274	0.000274
CB	B42	867	V(40x45)	5	No Message	B.2.4-5b	0.000463	0.000463
CB	B42	867	V(40x45)	5	No Message	B.2.4-5b	0.000468	0.000468
CB	B42	867	V(40x45)	5.5	No Message	B.2.4-5b	0.000536	0.00054
CB	B42	867	V(40x45)	5.5	No Message	B.2.4-5b	0.000536	0.000543
CB	B42	867	V(40x45)	5.7	No Message	B.2.4-5b	0.000536	0.000629
CB	B43	871	V(40x45)	0.3	No Message	B.2.4-5b	0.000536	0.000651
CB	B43	871	V(40x45)	0.5	No Message	B.2.4-5b	0.000536	0.000566
CB	B43	871	V(40x45)	0.5	No Message	B.2.4-5b	0.000536	0.000565
CB	B43	871	V(40x45)	1	No Message	B.2.4-5b	0.000509	0.000509
CB	B43	871	V(40x45)	1	No Message	B.2.4-5b	0.000507	0.000507
CB	B43	871	V(40x45)	1.5	No Message	B.2.4-7b	0.000329	0.000329
CB	B43	871	V(40x45)	1.5	No Message	B.2.4-7b	0.00033	0.00033
CB	B43	871	V(40x45)	2	No Message	B.2.4-5b	0.000326	0.000326
CB	B43	871	V(40x45)	2	No Message	B.2.4-5b	0.00033	0.00033
CB	B43	871	V(40x45)	2.5	No Message	B.2.4-5b	0.00033	0.00033
CB	B43	871	V(40x45)	2.5	No Message	B.2.4-5b	0.000335	0.000335
CB	B43	871	V(40x45)	3	No Message	B.2.4-5b	0.000335	0.000335
CB	B43	871	V(40x45)	3	No Message	B.2.4-5b	0.000341	0.000341
CB	B43	871	V(40x45)	3.5	No Message	B.2.4-5b	0.000341	0.000341
CB	B43	871	V(40x45)	3.5	No Message	B.2.4-5b	0.000348	0.000348
CB	B43	871	V(40x45)	4	No Message	B.2.4-5b	0.000348	0.000348
CB	B43	871	V(40x45)	4	No Message	B.2.4-5b	0.000355	0.000355
CB	B43	871	V(40x45)	4.5	No Message	B.2.4-7b	0.000378	0.000378
CB	B43	871	V(40x45)	4.5	No Message	B.2.4-7b	0.000387	0.000387
CB	B43	871	V(40x45)	5	No Message	B.2.4-7b	0.000536	0.000536
CB	B43	871	V(40x45)	5	No Message	B.2.4-7b	0.000536	0.000536
CB	B43	871	V(40x45)	5.5	No Message	B.2.4-5b	0.000536	0.000629
CB	B43	871	V(40x45)	5.5	No Message	B.2.4-5b	0.000536	0.000626
CB	B43	871	V(40x45)	5.7	No Message	B.2.4-5b	0.000536	0.000714
CB	B46	883	V(40x45)	0.3	No Message	B.2.4-5b	0.000536	0.000712
CB	B46	883	V(40x45)	0.5	No Message	B.2.4-5b	0.000536	0.000627

Table: Concrete Beam Design Summary - ACI 318-08, Part 1 of 4

Story	Label	UniqueName	DesignSect	Station	Status	AsTopCombo	AsMinTop	AsTop
Unitless	Unitless	Unitless	Unitless	m	Unitless	Unitless	m²	m²
CB	B46	883	V(40x45)	0.5	No Message	B.2.4-5b	0.000536	0.000623
CB	B46	883	V(40x45)	1	No Message	B.2.4-7b	0.000536	0.000536
CB	B46	883	V(40x45)	1	No Message	B.2.4-5b	0.000536	0.000536
CB	B46	883	V(40x45)	1.5	No Message	B.2.4-7b	0.000372	0.000372
CB	B46	883	V(40x45)	1.5	No Message	B.2.4-7b	0.000362	0.000362
CB	B46	883	V(40x45)	2	No Message	B.2.4-5b	0.000348	0.000348
CB	B46	883	V(40x45)	2	No Message	B.2.4-5b	0.00034	0.00034
CB	B46	883	V(40x45)	2.5	No Message	B.2.4-5b	0.00034	0.00034
CB	B46	883	V(40x45)	2.5	No Message	B.2.4-5b	0.000332	0.000332
CB	B46	883	V(40x45)	3	No Message	B.2.4-5b	0.000332	0.000332
CB	B46	883	V(40x45)	3	No Message	B.2.4-5b	0.000326	0.000326
CB	B46	883	V(40x45)	3.5	No Message	B.2.4-5b	0.000326	0.000326
CB	B46	883	V(40x45)	3.5	No Message	B.2.4-5b	0.00032	0.00032
CB	B46	883	V(40x45)	4	No Message	B.2.4-5b	0.00032	0.00032
CB	B46	883	V(40x45)	4	No Message	B.2.4-5b	0.000316	0.000316
CB	B46	883	V(40x45)	4.5	No Message	B.2.4-7b	0.000325	0.000325
CB	B46	883	V(40x45)	4.5	No Message	B.2.4-7b	0.000325	0.000325
CB	B46	883	V(40x45)	5	No Message	B.2.4-5b	0.000513	0.000513
CB	B46	883	V(40x45)	5	No Message	B.2.4-5b	0.000514	0.000514
CB	B46	883	V(40x45)	5.5	No Message	B.2.4-5b	0.000536	0.000571
CB	B46	883	V(40x45)	5.5	No Message	B.2.4-5b	0.000536	0.000572
CB	B46	883	V(40x45)	5.7	No Message	B.2.4-5b	0.000536	0.000658
CB	B47	887	V(40x45)	0.3	No Message	B.2.4-5b	0.000536	0.00062
CB	B47	887	V(40x45)	0.5	No Message	B.2.4-7b	0.000536	0.000536
CB	B47	887	V(40x45)	0.5	No Message	B.2.4-7b	0.000536	0.000536
CB	B47	887	V(40x45)	1	No Message	B.2.4-5b	0.000461	0.000461
CB	B47	887	V(40x45)	1	No Message	B.2.4-5b	0.000458	0.000458
CB	B47	887	V(40x45)	1.5	No Message	B.2.4-7b	0.000277	0.000277
CB	B47	887	V(40x45)	1.5	No Message	B.2.4-7b	0.000274	0.000274
CB	B47	887	V(40x45)	2	No Message	B.2.4-5b	0.00027	0.00027
CB	B47	887	V(40x45)	2	No Message	B.2.4-5b	0.000269	0.000269
CB	B47	887	V(40x45)	2.5	No Message	B.2.4-5b	0.000269	0.000269
CB	B47	887	V(40x45)	2.5	No Message	B.2.4-5b	0.000267	0.000267
CB	B47	887	V(40x45)	3	No Message	B.2.4-5b	0.000267	0.000267
CB	B47	887	V(40x45)	3	No Message	B.2.4-5b	0.000265	0.000265
CB	B47	887	V(40x45)	3.5	No Message	B.2.4-5b	0.000265	0.000265
CB	B47	887	V(40x45)	3.5	No Message	B.2.4-5b	0.000264	0.000264
CB	B47	887	V(40x45)	4	No Message	B.2.4-5b	0.000264	0.000264
CB	B47	887	V(40x45)	4	No Message	B.2.4-5b	0.000263	0.000263
CB	B47	887	V(40x45)	4.5	No Message	B.2.4-7b	0.00028	0.00028
CB	B47	887	V(40x45)	4.5	No Message	B.2.4-7b	0.000283	0.000283
CB	B47	887	V(40x45)	5	No Message	B.2.4-5b	0.000469	0.000469
CB	B47	887	V(40x45)	5	No Message	B.2.4-5b	0.000471	0.000471
CB	B47	887	V(40x45)	5.5	No Message	B.2.4-5b	0.000536	0.000544
CB	B47	887	V(40x45)	5.5	No Message	B.2.4-5b	0.000536	0.000546
CB	B47	887	V(40x45)	5.7	No Message	B.2.4-5b	0.000536	0.000634
CB	B48	891	V(40x45)	0.3	No Message	B.2.4-5b	0.000536	0.000613
CB	B48	891	V(40x45)	0.5	No Message	B.2.4-7b	0.000536	0.000536

Table: Concrete Beam Design Summary - ACI 318-08, Part 1 of 4

Story	Label	UniqueName	DesignSect	Station	Status	AsTopCombo	AsMinTop	AsTop
Unitless	Unitless	Unitless	Unitless	m	Unitless	Unitless	m²	m²
CB	B48	891	V(40x45)	0.5	No Message	B.2.4-7b	0.000536	0.000536
CB	B48	891	V(40x45)	1	No Message	B.2.4-5b	0.000446	0.000446
CB	B48	891	V(40x45)	1	No Message	B.2.4-5b	0.000443	0.000443
CB	B48	891	V(40x45)	1.5	No Message	B.2.4-7b	0.000262	0.000262
CB	B48	891	V(40x45)	1.5	No Message	B.2.4-7b	0.000259	0.000259
CB	B48	891	V(40x45)	2	No Message	B.2.4-5b	0.00024	0.00024
CB	B48	891	V(40x45)	2	No Message	B.2.4-5b	0.00024	0.00024
CB	B48	891	V(40x45)	2.5	No Message	B.2.4-5b	0.00024	0.00024
CB	B48	891	V(40x45)	2.5	No Message	B.2.4-5b	0.000239	0.000239
CB	B48	891	V(40x45)	3	No Message	B.2.4-5b	0.000239	0.000239
CB	B48	891	V(40x45)	3	No Message	B.2.4-5b	0.000239	0.000239
CB	B48	891	V(40x45)	3.5	No Message	B.2.4-5b	0.000239	0.000239
CB	B48	891	V(40x45)	3.5	No Message	B.2.4-5b	0.000239	0.000239
CB	B48	891	V(40x45)	4	No Message	B.2.4-5b	0.000239	0.000239
CB	B48	891	V(40x45)	4	No Message	B.2.4-5b	0.000239	0.000239
CB	B48	891	V(40x45)	4.5	No Message	B.2.4-7b	0.000264	0.000264
CB	B48	891	V(40x45)	4.5	No Message	B.2.4-7b	0.000268	0.000268
CB	B48	891	V(40x45)	5	No Message	B.2.4-5b	0.000446	0.000446
CB	B48	891	V(40x45)	5	No Message	B.2.4-5b	0.000449	0.000449
CB	B48	891	V(40x45)	5.5	No Message	B.2.4-7b	0.000536	0.000536
CB	B48	891	V(40x45)	5.5	No Message	B.2.4-7b	0.000536	0.000536
CB	B48	891	V(40x45)	5.7	No Message	B.2.4-5b	0.000536	0.000619
CB	B49	895	V(40x45)	0.3	No Message	B.2.4-5b	0.000536	0.000594
CB	B49	895	V(40x45)	0.5	No Message	B.2.4-7b	0.000536	0.000536
CB	B49	895	V(40x45)	0.5	No Message	B.2.4-7b	0.000536	0.000536
CB	B49	895	V(40x45)	1	No Message	B.2.4-5b	0.000417	0.000417
CB	B49	895	V(40x45)	1	No Message	B.2.4-5b	0.000416	0.000416
CB	B49	895	V(40x45)	1.5	No Message	B.2.4-7b	0.000239	0.000239
CB	B49	895	V(40x45)	1.5	No Message	B.2.4-7b	0.000237	0.000237
CB	B49	895	V(40x45)	2	No Message	B.2.4-5b	0.000213	0.000213
CB	B49	895	V(40x45)	2	No Message	B.2.4-5b	0.000214	0.000214
CB	B49	895	V(40x45)	2.5	No Message	B.2.4-5b	0.000214	0.000214
CB	B49	895	V(40x45)	2.5	No Message	B.2.4-5b	0.000215	0.000215
CB	B49	895	V(40x45)	3	No Message	B.2.4-5b	0.000215	0.000215
CB	B49	895	V(40x45)	3	No Message	B.2.4-5b	0.000216	0.000216
CB	B49	895	V(40x45)	3.5	No Message	B.2.4-5b	0.000216	0.000216
CB	B49	895	V(40x45)	3.5	No Message	B.2.4-5b	0.000217	0.000217
CB	B49	895	V(40x45)	4	No Message	B.2.4-5b	0.000217	0.000217
CB	B49	895	V(40x45)	4	No Message	B.2.4-5b	0.000219	0.000219
CB	B49	895	V(40x45)	4.5	No Message	B.2.4-7b	0.00022	0.00022
CB	B49	895	V(40x45)	4.5	No Message	B.2.4-7b	0.000225	0.000225
CB	B49	895	V(40x45)	5	No Message	B.2.4-5b	0.000391	0.000391
CB	B49	895	V(40x45)	5	No Message	B.2.4-5b	0.000398	0.000398
CB	B49	895	V(40x45)	5.5	No Message	B.2.4-7b	0.000536	0.000536
CB	B49	895	V(40x45)	5.5	No Message	B.2.4-7b	0.000536	0.000536
CB	B49	895	V(40x45)	5.7	No Message	B.2.4-5b	0.000536	0.000578
CB	B50	899	V(40x45)	0.25	No Message	B.2.4-5b	0.000379	0.000379
CB	B50	899	V(40x45)	0.74545	No Message	B.2.4-7b	0.000271	0.000271

Table: Concrete Beam Design Summary - ACI 318-08, Part 1 of 4

Story	Label	UniqueName	DesignSect	Station	Status	AsTopCombo	AsMinTop	AsTop
Unitless	Unitless	Unitless	Unitless	m	Unitless	Unitless	m²	m²
CB	B50	899	V(40x45)	1.24091	No Message	B.2.4-7b	0.000183	0.000183
CB	B50	899	V(40x45)	1.73636	No Message	B.2.4-5b	0.000106	0.000106
CB	B50	899	V(40x45)	2.23182	No Message	B.2.4-5b	0.000106	0.000106
CB	B50	899	V(40x45)	2.72727	No Message	B.2.4-5b	0.000106	0.000106
CB	B50	899	V(40x45)	3.22273	No Message	B.2.4-5b	0.000106	0.000106
CB	B50	899	V(40x45)	3.71818	No Message	B.2.4-5b	0.000106	0.000106
CB	B50	899	V(40x45)	4.21364	No Message	B.2.4-7b	0.000118	0.000118
CB	B50	899	V(40x45)	4.70909	No Message	B.2.4-7b	0.000202	0.000202
CB	B50	899	V(40x45)	5.20455	No Message	B.2.4-5b	0.000302	0.000302
CB	B50	899	V(40x45)	5.7	No Message	B.2.4-5b	0.000421	0.000421
CB	B51	903	V(40x45)	0.3	No Message	B.2.4-5b	0.000425	0.000425
CB	B51	903	V(40x45)	0.79091	No Message	B.2.4-5b	0.00031	0.00031
CB	B51	903	V(40x45)	1.28182	No Message	B.2.4-7b	0.000213	0.000213
CB	B51	903	V(40x45)	1.77273	No Message	B.2.4-7b	0.000131	0.000131
CB	B51	903	V(40x45)	2.26364	No Message	B.2.4-7b	0.000109	0.000109
CB	B51	903	V(40x45)	2.75455	No Message	B.2.4-7b	0.000109	0.000109
CB	B51	903	V(40x45)	3.24545	No Message	B.2.4-7b	0.000109	0.000109
CB	B51	903	V(40x45)	3.73636	No Message	B.2.4-7b	0.000109	0.000109
CB	B51	903	V(40x45)	4.22727	No Message	B.2.4-7b	0.000132	0.000132
CB	B51	903	V(40x45)	4.71818	No Message	B.2.4-7b	0.000215	0.000215
CB	B51	903	V(40x45)	5.20909	No Message	B.2.4-5b	0.00031	0.00031
CB	B51	903	V(40x45)	5.7	No Message	B.2.4-5b	0.000425	0.000425
CB	B52	907	V(40x45)	0.3	No Message	B.2.4-5b	0.000414	0.000414
CB	B52	907	V(40x45)	0.79091	No Message	B.2.4-7b	0.00031	0.00031
CB	B52	907	V(40x45)	1.28182	No Message	B.2.4-7b	0.000222	0.000222
CB	B52	907	V(40x45)	1.77273	No Message	B.2.4-7b	0.000142	0.000142
CB	B52	907	V(40x45)	2.26364	No Message	B.2.4-5b	0.000134	0.000134
CB	B52	907	V(40x45)	2.75455	No Message	B.2.4-5b	0.000134	0.000134
CB	B52	907	V(40x45)	3.24545	No Message	B.2.4-5b	0.000134	0.000134
CB	B52	907	V(40x45)	3.73636	No Message	B.2.4-5b	0.000134	0.000134
CB	B52	907	V(40x45)	4.22727	No Message	B.2.4-7b	0.000156	0.000156
CB	B52	907	V(40x45)	4.71818	No Message	B.2.4-5b	0.000244	0.000244
CB	B52	907	V(40x45)	5.20909	No Message	B.2.4-5b	0.000352	0.000352
CB	B52	907	V(40x45)	5.7	No Message	B.2.4-5b	0.000474	0.000474
CB	B53	911	V(40x45)	0.3	No Message	B.2.4-7b	0.000402	0.000402
CB	B53	911	V(40x45)	0.79091	No Message	B.2.4-7b	0.000316	0.000316
CB	B53	911	V(40x45)	1.28182	No Message	B.2.4-7b	0.000239	0.000239
CB	B53	911	V(40x45)	1.77273	No Message	B.2.4-5b	0.000201	0.000201
CB	B53	911	V(40x45)	2.26364	No Message	B.2.4-5b	0.000201	0.000201
CB	B53	911	V(40x45)	2.75455	No Message	B.2.4-5b	0.000201	0.000201
CB	B53	911	V(40x45)	3.24545	No Message	B.2.4-5b	0.000201	0.000201
CB	B53	911	V(40x45)	3.73636	No Message	B.2.4-5b	0.000201	0.000201
CB	B53	911	V(40x45)	4.22727	No Message	B.2.4-5b	0.000253	0.000253
CB	B53	911	V(40x45)	4.71818	No Message	B.2.4-5b	0.000363	0.000363
CB	B53	911	V(40x45)	5.20909	No Message	B.2.4-5b	0.000485	0.000485
CB	B53	911	V(40x45)	5.7	No Message	B.2.4-5b	0.000536	0.000536
CB	B59	935	V(40x45)	0.3	No Message	B.2.4-5b	0.000393	0.000393
CB	B59	935	V(40x45)	0.79091	No Message	B.2.4-7b	0.000284	0.000284

Table: Concrete Beam Design Summary - ACI 318-08, Part 1 of 4

Story	Label	UniqueName	DesignSect	Station	Status	AsTopCombo	AsMinTop	AsTop
Unitless	Unitless	Unitless	Unitless	m	Unitless	Unitless	m²	m²
CB	B59	935	V(40x45)	1.28182	No Message	B.2.4-7b	0.000198	0.000198
CB	B59	935	V(40x45)	1.77273	No Message	B.2.4-7b	0.000121	0.000121
CB	B59	935	V(40x45)	2.26364	No Message	B.2.4-7b	0.000105	0.000105
CB	B59	935	V(40x45)	2.75455	No Message	B.2.4-7b	0.000105	0.000105
CB	B59	935	V(40x45)	3.24545	No Message	B.2.4-7b	0.000105	0.000105
CB	B59	935	V(40x45)	3.73636	No Message	B.2.4-7b	0.000105	0.000105
CB	B59	935	V(40x45)	4.22727	No Message	B.2.4-7b	0.000112	0.000112
CB	B59	935	V(40x45)	4.71818	No Message	B.2.4-7b	0.000189	0.000189
CB	B59	935	V(40x45)	5.20909	No Message	B.2.4-5b	0.000277	0.000277
CB	B59	935	V(40x45)	5.7	No Message	B.2.4-5b	0.000386	0.000386
CB	B62	947	V(40x45)	0.25	No Message	B.2.4-5b	0.000498	0.000498
CB	B62	947	V(40x45)	0.75	No Message	B.2.4-5b	0.000396	0.000396
CB	B62	947	V(40x45)	1.25	No Message	B.2.4-5b	0.000305	0.000305
CB	B62	947	V(40x45)	1.75	No Message	B.2.4-5b	0.000227	0.000227
CB	B62	947	V(40x45)	2.25	No Message	B.2.4-5b	0.000211	0.000211
CB	B62	947	V(40x45)	2.75	No Message	B.2.4-5b	0.000211	0.000211
CB	B62	947	V(40x45)	3.25	No Message	B.2.4-5b	0.000211	0.000211
CB	B62	947	V(40x45)	3.75	No Message	B.2.4-5b	0.000211	0.000211
CB	B62	947	V(40x45)	4.25	No Message	B.2.4-5b	0.000211	0.000211
CB	B62	947	V(40x45)	4.75	No Message	B.2.4-7b	0.000245	0.000245
CB	B62	947	V(40x45)	5.25	No Message	B.2.4-5b	0.000311	0.000311
CB	B62	947	V(40x45)	5.75	No Message	B.2.4-5b	0.000396	0.000396
CB	B63	951	V(40x45)	0.25	No Message	B.2.4-5b	0.000363	0.000363
CB	B63	951	V(40x45)	0.75	No Message	B.2.4-5b	0.000274	0.000274
CB	B63	951	V(40x45)	1.25	No Message	B.2.4-7b	0.000204	0.000204
CB	B63	951	V(40x45)	1.75	No Message	B.2.4-5b	0.00016	0.00016
CB	B63	951	V(40x45)	2.25	No Message	B.2.4-5b	0.00016	0.00016
CB	B63	951	V(40x45)	2.75	No Message	B.2.4-5b	0.00016	0.00016
CB	B63	951	V(40x45)	3.25	No Message	B.2.4-5b	0.00016	0.00016
CB	B63	951	V(40x45)	3.75	No Message	B.2.4-5b	0.00016	0.00016
CB	B63	951	V(40x45)	4.25	No Message	B.2.4-5b	0.00016	0.00016
CB	B63	951	V(40x45)	4.75	No Message	B.2.4-7b	0.00021	0.00021
CB	B63	951	V(40x45)	5.25	No Message	B.2.4-5b	0.000288	0.000288
CB	B63	951	V(40x45)	5.75	No Message	B.2.4-5b	0.000381	0.000381
CB	B64	955	V(40x45)	0.25	No Message	B.2.4-5b	0.000334	0.000334
CB	B64	955	V(40x45)	0.75	No Message	B.2.4-5b	0.000245	0.000245
CB	B64	955	V(40x45)	1.25	No Message	B.2.4-7b	0.000173	0.000173
CB	B64	955	V(40x45)	1.75	No Message	B.2.4-5b	0.000132	0.000132
CB	B64	955	V(40x45)	2.25	No Message	B.2.4-5b	0.000132	0.000132
CB	B64	955	V(40x45)	2.75	No Message	B.2.4-5b	0.000132	0.000132
CB	B64	955	V(40x45)	3.25	No Message	B.2.4-5b	0.000132	0.000132
CB	B64	955	V(40x45)	3.75	No Message	B.2.4-5b	0.000132	0.000132
CB	B64	955	V(40x45)	4.25	No Message	B.2.4-5b	0.000132	0.000132
CB	B64	955	V(40x45)	4.75	No Message	B.2.4-5b	0.000183	0.000183
CB	B64	955	V(40x45)	5.25	No Message	B.2.4-5b	0.000264	0.000264
CB	B64	955	V(40x45)	5.75	No Message	B.2.4-5b	0.000358	0.000358
CB	B65	959	V(40x45)	0.25	No Message	B.2.4-5b	0.000286	0.000286
CB	B65	959	V(40x45)	0.7125	No Message	B.2.4-5b	0.000209	0.000209

Table: Concrete Beam Design Summary - ACI 318-08, Part 1 of 4

Story	Label	UniqueName	DesignSect	Station	Status	AsTopCombo	AsMinTop	AsTop
Unitless	Unitless	Unitless	Unitless	m	Unitless	Unitless	m²	m²
CB	B65	959	V(40x45)	1.175	No Message	B.2.4-7b	0.000146	0.000146
CB	B65	959	V(40x45)	1.6375	No Message	B.2.4-5b	9.9E-05	9.9E-05
CB	B65	959	V(40x45)	2.1	No Message	B.2.4-5b	9.9E-05	9.9E-05
CB	B65	959	V(40x45)	2.5625	No Message	B.2.4-5b	9.9E-05	9.9E-05
CB	B65	959	V(40x45)	3.025	No Message	B.2.4-5b	9.9E-05	9.9E-05
CB	B65	959	V(40x45)	3.4875	No Message	B.2.4-5b	9.9E-05	9.9E-05
CB	B65	959	V(40x45)	3.95	No Message	B.2.4-5b	9.9E-05	9.9E-05
CB	B65	959	V(40x45)	4.4125	No Message	B.2.4-5b	9.9E-05	9.9E-05
CB	B65	959	V(40x45)	4.875	No Message	B.2.4-5b	0.00014	0.00014
CB	B65	959	V(40x45)	5.3375	No Message	B.2.4-5b	0.000212	0.000212
CB	B65	959	V(40x45)	5.8	No Message	B.2.4-5b	0.000294	0.000294
CB	B66	858	V(40x45)	0.2	No Message	B.2.4-5b	0.000274	0.000274
CB	B66	858	V(40x45)	0.66667	No Message	B.2.4-5b	0.000191	0.000191
CB	B66	858	V(40x45)	1.13333	No Message	B.2.4-5b	0.000119	0.000119
CB	B66	858	V(40x45)	1.6	No Message	B.2.4-5b	8.5E-05	8.5E-05
CB	B66	858	V(40x45)	2.06667	No Message	B.2.4-5b	8.5E-05	8.5E-05
CB	B66	858	V(40x45)	2.53333	No Message	B.2.4-5b	8.5E-05	8.5E-05
CB	B66	858	V(40x45)	3	No Message	B.2.4-5b	8.5E-05	8.5E-05
CB	B66	858	V(40x45)	3.46667	No Message	B.2.4-5b	8.5E-05	8.5E-05
CB	B66	858	V(40x45)	3.93333	No Message	B.2.4-5b	8.5E-05	8.5E-05
CB	B66	858	V(40x45)	4.4	No Message	B.2.4-5b	8.5E-05	8.5E-05
CB	B66	858	V(40x45)	4.86667	No Message	B.2.4-5b	0.000131	0.000131
CB	B66	858	V(40x45)	5.33333	No Message	B.2.4-5b	0.000199	0.000199
CB	B66	858	V(40x45)	5.8	No Message	B.2.4-5b	0.000278	0.000278
CB	B70	1448	V(40x45)	0.25	No Message	B.2.4-5b	0.000264	0.000264
CB	B70	1448	V(40x45)	0.7125	No Message	B.2.4-5b	0.00019	0.00019
CB	B70	1448	V(40x45)	1.175	No Message	B.2.4-7b	0.00013	0.00013
CB	B70	1448	V(40x45)	1.6375	No Message	B.2.4-5b	9.3E-05	9.3E-05
CB	B70	1448	V(40x45)	2.1	No Message	B.2.4-5b	9.3E-05	9.3E-05
CB	B70	1448	V(40x45)	2.5625	No Message	B.2.4-5b	9.3E-05	9.3E-05
CB	B70	1448	V(40x45)	3.025	No Message	B.2.4-5b	9.3E-05	9.3E-05
CB	B70	1448	V(40x45)	3.4875	No Message	B.2.4-5b	9.3E-05	9.3E-05
CB	B70	1448	V(40x45)	3.95	No Message	B.2.4-5b	9.3E-05	9.3E-05
CB	B70	1448	V(40x45)	4.4125	No Message	B.2.4-5b	9.3E-05	9.3E-05
CB	B70	1448	V(40x45)	4.875	No Message	B.2.4-5b	0.000129	0.000129
CB	B70	1448	V(40x45)	5.3375	No Message	B.2.4-5b	0.000198	0.000198
CB	B70	1448	V(40x45)	5.8	No Message	B.2.4-5b	0.000277	0.000277
CB	B71	983	V(40x45)	0.2	No Message	B.2.4-5b	0.000241	0.000241
CB	B71	983	V(40x45)	0.66667	No Message	B.2.4-5b	0.000168	0.000168
CB	B71	983	V(40x45)	1.13333	No Message	B.2.4-7b	0.00011	0.00011
CB	B71	983	V(40x45)	1.6	No Message	B.2.4-5b	8.4E-05	8.4E-05
CB	B71	983	V(40x45)	2.06667	No Message	B.2.4-5b	8.4E-05	8.4E-05
CB	B71	983	V(40x45)	2.53333	No Message	B.2.4-5b	8.4E-05	8.4E-05
CB	B71	983	V(40x45)	3	No Message	B.2.4-5b	8.4E-05	8.4E-05
CB	B71	983	V(40x45)	3.46667	No Message	B.2.4-5b	8.4E-05	8.4E-05
CB	B71	983	V(40x45)	3.93333	No Message	B.2.4-5b	8.4E-05	8.4E-05
CB	B71	983	V(40x45)	4.4	No Message	B.2.4-5b	8.4E-05	8.4E-05
CB	B71	983	V(40x45)	4.86667	No Message	B.2.4-7b	0.000117	0.000117

Table: Concrete Beam Design Summary - ACI 318-08, Part 1 of 4

Story	Label	UniqueName	DesignSect	Station	Status	AsTopCombo	AsMinTop	AsTop
Unitless	Unitless	Unitless	Unitless	m	Unitless	Unitless	m²	m²
CB	B71	983	V(40x45)	5.33333	No Message	B.2.4-5b	0.000181	0.000181
CB	B71	983	V(40x45)	5.8	No Message	B.2.4-5b	0.000256	0.000256
CB	B72	987	V(40x45)	0.2	No Message	B.2.4-5b	0.000243	0.000243
CB	B72	987	V(40x45)	0.66667	No Message	B.2.4-5b	0.00017	0.00017
CB	B72	987	V(40x45)	1.13333	No Message	B.2.4-7b	0.00011	0.00011
CB	B72	987	V(40x45)	1.6	No Message	B.2.4-5b	8.1E-05	8.1E-05
CB	B72	987	V(40x45)	2.06667	No Message	B.2.4-5b	8.1E-05	8.1E-05
CB	B72	987	V(40x45)	2.53333	No Message	B.2.4-5b	8.1E-05	8.1E-05
CB	B72	987	V(40x45)	3	No Message	B.2.4-5b	8.1E-05	8.1E-05
CB	B72	987	V(40x45)	3.46667	No Message	B.2.4-5b	8.1E-05	8.1E-05
CB	B72	987	V(40x45)	3.93333	No Message	B.2.4-5b	8.1E-05	8.1E-05
CB	B72	987	V(40x45)	4.4	No Message	B.2.4-5b	8.1E-05	8.1E-05
CB	B72	987	V(40x45)	4.86667	No Message	B.2.4-5b	0.000114	0.000114
CB	B72	987	V(40x45)	5.33333	No Message	B.2.4-5b	0.000179	0.000179
CB	B72	987	V(40x45)	5.8	No Message	B.2.4-5b	0.000255	0.000255
CB	B73	991	V(40x45)	0.2	No Message	B.2.4-5b	0.000235	0.000235
CB	B73	991	V(40x45)	0.66667	No Message	B.2.4-5b	0.000162	0.000162
CB	B73	991	V(40x45)	1.13333	No Message	B.2.4-7b	0.000101	0.000101
CB	B73	991	V(40x45)	1.6	No Message	B.2.4-5b	7.3E-05	7.3E-05
CB	B73	991	V(40x45)	2.06667	No Message	B.2.4-5b	7.3E-05	7.3E-05
CB	B73	991	V(40x45)	2.53333	No Message	B.2.4-5b	7.3E-05	7.3E-05
CB	B73	991	V(40x45)	3	No Message	B.2.4-5b	7.3E-05	7.3E-05
CB	B73	991	V(40x45)	3.46667	No Message	B.2.4-5b	7.3E-05	7.3E-05
CB	B73	991	V(40x45)	3.93333	No Message	B.2.4-5b	7.3E-05	7.3E-05
CB	B73	991	V(40x45)	4.4	No Message	B.2.4-5b	7.3E-05	7.3E-05
CB	B73	991	V(40x45)	4.86667	No Message	B.2.4-5b	0.000105	0.000105
CB	B73	991	V(40x45)	5.33333	No Message	B.2.4-5b	0.000169	0.000169
CB	B73	991	V(40x45)	5.8	No Message	B.2.4-5b	0.000244	0.000244
CB	B74	866	V(40x45)	0.2	No Message	B.2.4-5b	0.000255	0.000255
CB	B74	866	V(40x45)	0.66667	No Message	B.2.4-5b	0.000174	0.000174
CB	B74	866	V(40x45)	1.13333	No Message	B.2.4-5b	0.000104	0.000104
CB	B74	866	V(40x45)	1.6	No Message	B.2.4-5b	7.7E-05	7.7E-05
CB	B74	866	V(40x45)	2.06667	No Message	B.2.4-5b	7.7E-05	7.7E-05
CB	B74	866	V(40x45)	2.53333	No Message	B.2.4-5b	7.7E-05	7.7E-05
CB	B74	866	V(40x45)	3	No Message	B.2.4-5b	7.7E-05	7.7E-05
CB	B74	866	V(40x45)	3.46667	No Message	B.2.4-5b	7.7E-05	7.7E-05
CB	B74	866	V(40x45)	3.93333	No Message	B.2.4-5b	7.7E-05	7.7E-05
CB	B74	866	V(40x45)	4.4	No Message	B.2.4-5b	7.7E-05	7.7E-05
CB	B74	866	V(40x45)	4.86667	No Message	B.2.4-7b	0.000112	0.000112
CB	B74	866	V(40x45)	5.33333	No Message	B.2.4-5b	0.000175	0.000175
CB	B74	866	V(40x45)	5.8	No Message	B.2.4-5b	0.000251	0.000251
CB	B75	877	V(40x45)	0.25	No Message	B.2.4-7b	0.000536	0.000536
CB	B75	877	V(40x45)	0.69375	No Message	B.2.4-5b	0.000409	0.000409
CB	B75	877	V(40x45)	1.1375	No Message	B.2.4-7b	0.000272	0.000272
CB	B75	877	V(40x45)	1.58125	No Message	B.2.4-5b	0.000147	0.000147
CB	B75	877	V(40x45)	2.025	No Message	B.2.4-5b	0.000147	0.000147
CB	B75	877	V(40x45)	2.46875	No Message	B.2.4-5b	0.000147	0.000147
CB	B75	877	V(40x45)	2.9125	No Message	B.2.4-7b	0.000156	0.000156

Table: Concrete Beam Design Summary - ACI 318-08, Part 1 of 4

Story	Label	UniqueName	DesignSect	Station	Status	AsTopCombo	AsMinTop	AsTop
Unitless	Unitless	Unitless	Unitless	m	Unitless	Unitless	m²	m²
CB	B75	877	V(40x45)	3.35625	No Message	B.2.4-7b	0.000287	0.000287
CB	B75	877	V(40x45)	3.8	No Message	B.2.4-5b	0.000429	0.000429
CB	B76	1003	V(40x45)	0.25	No Message	B.2.4-5b	0.000442	0.000442
CB	B76	1003	V(40x45)	0.5	No Message	B.2.4-5b	0.000347	0.000347
CB	B76	1003	V(40x45)	0.5	No Message	B.2.4-5b	0.000341	0.000341
CB	B76	1003	V(40x45)	1	No Message	B.2.4-7b	0.000187	0.000187
CB	B76	1003	V(40x45)	1	No Message	B.2.4-7b	0.000181	0.000181
CB	B76	1003	V(40x45)	1.5	No Message	B.2.4-5b	0.000122	0.000122
CB	B76	1003	V(40x45)	1.5	No Message	B.2.4-5b	0.000119	0.000119
CB	B76	1003	V(40x45)	2	No Message	B.2.4-5b	0.000119	0.000119
CB	B76	1003	V(40x45)	2	No Message	B.2.4-5b	0.000115	0.000115
CB	B76	1003	V(40x45)	2.5	No Message	B.2.4-5b	0.000115	0.000115
CB	B76	1003	V(40x45)	2.5	No Message	B.2.4-5b	0.000112	0.000112
CB	B76	1003	V(40x45)	3	No Message	B.2.4-5b	0.000112	0.000112
CB	B76	1003	V(40x45)	3	No Message	B.2.4-5b	0.00011	0.00011
CB	B76	1003	V(40x45)	3.5	No Message	B.2.4-5b	0.000219	0.000219
CB	B76	1003	V(40x45)	3.5	No Message	B.2.4-5b	0.000224	0.000224
CB	B76	1003	V(40x45)	3.8	No Message	B.2.4-5b	0.000317	0.000317
CB	B82	1043	V(40x45)	0.25	No Message	B.2.4-7b	0.000536	0.000536
CB	B82	1043	V(40x45)	0.5	No Message	B.2.4-5b	0.000483	0.000483
CB	B82	1043	V(40x45)	0.5	No Message	B.2.4-5b	0.000471	0.000471
CB	B82	1043	V(40x45)	1	No Message	B.2.4-7b	0.000289	0.000289
CB	B82	1043	V(40x45)	1	No Message	B.2.4-7b	0.000282	0.000282
CB	B82	1043	V(40x45)	1.5	No Message	B.2.4-5b	0.00017	0.00017
CB	B82	1043	V(40x45)	1.5	No Message	B.2.4-5b	0.000171	0.000171
CB	B82	1043	V(40x45)	2	No Message	B.2.4-5b	0.000171	0.000171
CB	B82	1043	V(40x45)	2	No Message	B.2.4-5b	0.000172	0.000172
CB	B82	1043	V(40x45)	2.5	No Message	B.2.4-5b	0.000172	0.000172
CB	B82	1043	V(40x45)	2.5	No Message	B.2.4-5b	0.000171	0.000171
CB	B82	1043	V(40x45)	2.54	No Message	B.2.4-5b	0.000171	0.000171
CB	B82	1043	V(40x45)	2.54	No Message	B.2.4-5b	0.000171	0.000171
CB	B82	1043	V(40x45)	3	No Message	B.2.4-5b	0.000171	0.000171
CB	B82	1043	V(40x45)	3	No Message	B.2.4-5b	0.00017	0.00017
CB	B82	1043	V(40x45)	3.5	No Message	B.2.4-5b	0.00017	0.00017
CB	B82	1043	V(40x45)	3.5	No Message	B.2.4-5b	0.000167	0.000167
CB	B82	1043	V(40x45)	4	No Message	B.2.4-5b	0.000167	0.000167
CB	B82	1043	V(40x45)	4	No Message	B.2.4-5b	0.000164	0.000164
CB	B82	1043	V(40x45)	4.5	No Message	B.2.4-5b	0.000164	0.000164
CB	B82	1043	V(40x45)	4.5	No Message	B.2.4-5b	0.000162	0.000162
CB	B82	1043	V(40x45)	5	No Message	B.2.4-5b	0.000302	0.000302
CB	B82	1043	V(40x45)	5	No Message	B.2.4-5b	0.000317	0.000317
CB	B82	1043	V(40x45)	5.5	No Message	B.2.4-5b	0.000523	0.000523
CB	B82	1043	V(40x45)	5.5	No Message	B.2.4-5b	0.000536	0.000536
CB	B82	1043	V(40x45)	5.75	No Message	B.2.4-7b	0.000536	0.000536
CB	B83	1044	V(40x45)	0.25	No Message	B.2.4-7b	0.000536	0.000536
CB	B83	1044	V(40x45)	0.5	No Message	B.2.4-5b	0.000524	0.000524
CB	B83	1044	V(40x45)	0.5	No Message	B.2.4-5b	0.000506	0.000506
CB	B83	1044	V(40x45)	1	No Message	B.2.4-5b	0.00031	0.00031

Table: Concrete Beam Design Summary - ACI 318-08, Part 1 of 4

Story	Label	UniqueName	DesignSect	Station	Status	AsTopCombo	AsMinTop	AsTop
Unitless	Unitless	Unitless	Unitless	m	Unitless	Unitless	m²	m²
CB	B83	1044	V(40x45)	1	No Message	B.2.4-5b	0.000296	0.000296
CB	B83	1044	V(40x45)	1.5	No Message	B.2.4-5b	0.000162	0.000162
CB	B83	1044	V(40x45)	1.5	No Message	B.2.4-5b	0.000163	0.000163
CB	B83	1044	V(40x45)	2	No Message	B.2.4-5b	0.000163	0.000163
CB	B83	1044	V(40x45)	2	No Message	B.2.4-5b	0.000165	0.000165
CB	B83	1044	V(40x45)	2.5	No Message	B.2.4-5b	0.000165	0.000165
CB	B83	1044	V(40x45)	2.5	No Message	B.2.4-5b	0.000167	0.000167
CB	B83	1044	V(40x45)	3	No Message	B.2.4-5b	0.000167	0.000167
CB	B83	1044	V(40x45)	3	No Message	B.2.4-5b	0.000167	0.000167
CB	B83	1044	V(40x45)	3.5	No Message	B.2.4-5b	0.000167	0.000167
CB	B83	1044	V(40x45)	3.5	No Message	B.2.4-5b	0.000165	0.000165
CB	B83	1044	V(40x45)	4	No Message	B.2.4-5b	0.000165	0.000165
CB	B83	1044	V(40x45)	4	No Message	B.2.4-5b	0.000162	0.000162
CB	B83	1044	V(40x45)	4.5	No Message	B.2.4-5b	0.000162	0.000162
CB	B83	1044	V(40x45)	4.5	No Message	B.2.4-7b	0.000165	0.000165
CB	B83	1044	V(40x45)	5	No Message	B.2.4-7b	0.000281	0.000281
CB	B83	1044	V(40x45)	5	No Message	B.2.4-7b	0.000286	0.000286
CB	B83	1044	V(40x45)	5.5	No Message	B.2.4-5b	0.000458	0.000458
CB	B83	1044	V(40x45)	5.5	No Message	B.2.4-5b	0.000469	0.000469
CB	B83	1044	V(40x45)	5.75	No Message	B.2.4-7b	0.000536	0.000536
CB	B90	1048	V(40x45)	0.25	No Message	B.2.4-7b	0.000536	0.000536
CB	B90	1048	V(40x45)	0.5	No Message	B.2.4-5b	0.000495	0.000495
CB	B90	1048	V(40x45)	0.5	No Message	B.2.4-5b	0.000487	0.000487
CB	B90	1048	V(40x45)	1	No Message	B.2.4-7b	0.000306	0.000306
CB	B90	1048	V(40x45)	1	No Message	B.2.4-7b	0.000299	0.000299
CB	B90	1048	V(40x45)	1.5	No Message	B.2.4-7b	0.000179	0.000179
CB	B90	1048	V(40x45)	1.5	No Message	B.2.4-7b	0.000174	0.000174
CB	B90	1048	V(40x45)	2	No Message	B.2.4-5b	0.000165	0.000165
CB	B90	1048	V(40x45)	2	No Message	B.2.4-5b	0.000167	0.000167
CB	B90	1048	V(40x45)	2.5	No Message	B.2.4-5b	0.000167	0.000167
CB	B90	1048	V(40x45)	2.5	No Message	B.2.4-5b	0.000168	0.000168
CB	B90	1048	V(40x45)	3	No Message	B.2.4-5b	0.000168	0.000168
CB	B90	1048	V(40x45)	3	No Message	B.2.4-5b	0.000169	0.000169
CB	B90	1048	V(40x45)	3.5	No Message	B.2.4-5b	0.000169	0.000169
CB	B90	1048	V(40x45)	3.5	No Message	B.2.4-5b	0.000168	0.000168
CB	B90	1048	V(40x45)	4	No Message	B.2.4-5b	0.000168	0.000168
CB	B90	1048	V(40x45)	4	No Message	B.2.4-5b	0.000168	0.000168
CB	B90	1048	V(40x45)	4.5	No Message	B.2.4-5b	0.000168	0.000168
CB	B90	1048	V(40x45)	4.5	No Message	B.2.4-5b	0.000168	0.000168
CB	B90	1048	V(40x45)	5	No Message	B.2.4-5b	0.000318	0.000318
CB	B90	1048	V(40x45)	5	No Message	B.2.4-5b	0.000332	0.000332
CB	B90	1048	V(40x45)	5.5	No Message	B.2.4-5b	0.000533	0.000533
CB	B90	1048	V(40x45)	5.5	No Message	B.2.4-5b	0.000536	0.000536
CB	B90	1048	V(40x45)	5.75	No Message	B.2.4-7b	0.000536	0.000536
CB	B91	1049	V(40x45)	0.25	No Message	B.2.4-7b	0.000536	0.000536
CB	B91	1049	V(40x45)	0.5	No Message	B.2.4-5b	0.000536	0.000536
CB	B91	1049	V(40x45)	0.5	No Message	B.2.4-5b	0.000522	0.000522
CB	B91	1049	V(40x45)	1	No Message	B.2.4-5b	0.000322	0.000322

Table: Concrete Beam Design Summary - ACI 318-08, Part 1 of 4

Story	Label	UniqueName	DesignSect	Station	Status	AsTopCombo	AsMinTop	AsTop
Unitless	Unitless	Unitless	Unitless	m	Unitless	Unitless	m²	m²
CB	B91	1049	V(40x45)	1	No Message	B.2.4-5b	0.000308	0.000308
CB	B91	1049	V(40x45)	1.5	No Message	B.2.4-5b	0.000169	0.000169
CB	B91	1049	V(40x45)	1.5	No Message	B.2.4-5b	0.000169	0.000169
CB	B91	1049	V(40x45)	2	No Message	B.2.4-5b	0.000169	0.000169
CB	B91	1049	V(40x45)	2	No Message	B.2.4-5b	0.000171	0.000171
CB	B91	1049	V(40x45)	2.5	No Message	B.2.4-5b	0.000171	0.000171
CB	B91	1049	V(40x45)	2.5	No Message	B.2.4-5b	0.000174	0.000174
CB	B91	1049	V(40x45)	3	No Message	B.2.4-5b	0.000174	0.000174
CB	B91	1049	V(40x45)	3	No Message	B.2.4-5b	0.000175	0.000175
CB	B91	1049	V(40x45)	3.5	No Message	B.2.4-5b	0.000175	0.000175
CB	B91	1049	V(40x45)	3.5	No Message	B.2.4-5b	0.000175	0.000175
CB	B91	1049	V(40x45)	4	No Message	B.2.4-5b	0.000175	0.000175
CB	B91	1049	V(40x45)	4	No Message	B.2.4-5b	0.000175	0.000175
CB	B91	1049	V(40x45)	4.5	No Message	B.2.4-7b	0.000181	0.000181
CB	B91	1049	V(40x45)	4.5	No Message	B.2.4-7b	0.000185	0.000185
CB	B91	1049	V(40x45)	5	No Message	B.2.4-7b	0.000307	0.000307
CB	B91	1049	V(40x45)	5	No Message	B.2.4-7b	0.000313	0.000313
CB	B91	1049	V(40x45)	5.5	No Message	B.2.4-5b	0.000494	0.000494
CB	B91	1049	V(40x45)	5.5	No Message	B.2.4-5b	0.000502	0.000502
CB	B91	1049	V(40x45)	5.75	No Message	B.2.4-7b	0.000536	0.000536
CB	B109	403	V(40x45)	0.3	No Message	B.2.4-5b	0.000536	0.000536
CB	B109	403	V(40x45)	0.79091	No Message	B.2.4-5b	0.000441	0.000441
CB	B109	403	V(40x45)	1.28182	No Message	B.2.4-5b	0.000327	0.000327
CB	B109	403	V(40x45)	1.77273	No Message	B.2.4-7b	0.000227	0.000227
CB	B109	403	V(40x45)	2.26364	No Message	B.2.4-7b	0.000184	0.000184
CB	B109	403	V(40x45)	2.75455	No Message	B.2.4-7b	0.000184	0.000184
CB	B109	403	V(40x45)	3.24545	No Message	B.2.4-7b	0.000184	0.000184
CB	B109	403	V(40x45)	3.73636	No Message	B.2.4-7b	0.000184	0.000184
CB	B109	403	V(40x45)	4.22727	No Message	B.2.4-7b	0.000189	0.000189
CB	B109	403	V(40x45)	4.71818	No Message	B.2.4-7b	0.000263	0.000263
CB	B109	403	V(40x45)	5.20909	No Message	B.2.4-7b	0.000347	0.000347
CB	B109	403	V(40x45)	5.7	No Message	B.2.4-7b	0.000439	0.000439
CB	B112	416	V(40x45)	0.3	No Message	B.2.4-5b	0.000431	0.000431
CB	B112	416	V(40x45)	0.79091	No Message	B.2.4-7b	0.00033	0.00033
CB	B112	416	V(40x45)	1.28182	No Message	B.2.4-7b	0.000241	0.000241
CB	B112	416	V(40x45)	1.77273	No Message	B.2.4-7b	0.000161	0.000161
CB	B112	416	V(40x45)	2.26364	No Message	B.2.4-7b	0.000145	0.000145
CB	B112	416	V(40x45)	2.75455	No Message	B.2.4-7b	0.000145	0.000145
CB	B112	416	V(40x45)	3.24545	No Message	B.2.4-7b	0.000145	0.000145
CB	B112	416	V(40x45)	3.73636	No Message	B.2.4-7b	0.000145	0.000145
CB	B112	416	V(40x45)	4.22727	No Message	B.2.4-7b	0.000161	0.000161
CB	B112	416	V(40x45)	4.71818	No Message	B.2.4-7b	0.000242	0.000242
CB	B112	416	V(40x45)	5.20909	No Message	B.2.4-5b	0.000335	0.000335
CB	B112	416	V(40x45)	5.7	No Message	B.2.4-5b	0.00045	0.00045
CB	B115	420	V(40x45)	0.3	No Message	B.2.4-5b	0.000422	0.000422
CB	B115	420	V(40x45)	0.79091	No Message	B.2.4-5b	0.000311	0.000311
CB	B115	420	V(40x45)	1.28182	No Message	B.2.4-7b	0.000221	0.000221
CB	B115	420	V(40x45)	1.77273	No Message	B.2.4-7b	0.000142	0.000142

Table: Concrete Beam Design Summary - ACI 318-08, Part 1 of 4

Story	Label	UniqueName	DesignSect	Station	Status	AsTopCombo	AsMinTop	AsTop
Unitless	Unitless	Unitless	Unitless	m	Unitless	Unitless	m²	m²
CB	B115	420	V(40x45)	2.26364	No Message	B.2.4-7b	0.000125	0.000125
CB	B115	420	V(40x45)	2.75455	No Message	B.2.4-7b	0.000125	0.000125
CB	B115	420	V(40x45)	3.24545	No Message	B.2.4-7b	0.000125	0.000125
CB	B115	420	V(40x45)	3.73636	No Message	B.2.4-7b	0.000125	0.000125
CB	B115	420	V(40x45)	4.22727	No Message	B.2.4-7b	0.000139	0.000139
CB	B115	420	V(40x45)	4.71818	No Message	B.2.4-7b	0.000218	0.000218
CB	B115	420	V(40x45)	5.20909	No Message	B.2.4-5b	0.000306	0.000306
CB	B115	420	V(40x45)	5.7	No Message	B.2.4-5b	0.000417	0.000417
CB	B56	424	V(30x45)	0	No Message	B.2.4-5b	0.000227	0.000227
CB	B56	424	V(30x45)	0.5	No Message	B.2.4-5b	0.000129	0.000129
CB	B56	424	V(30x45)	0.5	No Message	B.2.4-5b	0.000121	0.000121
CB	B56	424	V(30x45)	1	No Message	B.2.4-5b	0.000108	0.000108
CB	B56	424	V(30x45)	1	No Message	B.2.4-5b	0.000105	0.000105
CB	B56	424	V(30x45)	1.5	No Message	B.2.4-5b	0.000105	0.000105
CB	B56	424	V(30x45)	1.5	No Message	B.2.4-5b	0.000105	0.000105
CB	B56	424	V(30x45)	2	No Message	B.2.4-5b	0.000105	0.000105
CB	B56	424	V(30x45)	2	No Message	B.2.4-5b	0.000105	0.000105
CB	B56	424	V(30x45)	2.5	No Message	B.2.4-5b	0.000105	0.000105
CB	B56	424	V(30x45)	2.5	No Message	B.2.4-5b	0.000105	0.000105
CB	B56	424	V(30x45)	3	No Message	B.2.4-5b	0.000105	0.000105
CB	B56	424	V(30x45)	3	No Message	B.2.4-5b	0.000105	0.000105
CB	B56	424	V(30x45)	3.5	No Message	B.2.4-5b	0.000105	0.000105
CB	B56	424	V(30x45)	3.5	No Message	B.2.4-5b	0.000105	0.000105
CB	B56	424	V(30x45)	4	No Message	B.2.4-5b	0.000105	0.000105
CB	B56	424	V(30x45)	4	No Message	B.2.4-5b	0.000106	0.000106
CB	B56	424	V(30x45)	4.5	No Message	B.2.4-5b	0.000106	0.000106
CB	B56	424	V(30x45)	4.5	No Message	B.2.4-5b	0.000108	0.000108
CB	B56	424	V(30x45)	5	No Message	B.2.4-5b	0.000131	0.000131
CB	B56	424	V(30x45)	5	No Message	B.2.4-5b	0.000137	0.000137
CB	B56	424	V(30x45)	5.5	No Message	B.2.4-5b	0.000254	0.000254
CB	B56	424	V(30x45)	5.5	No Message	B.2.4-5b	0.000259	0.000259
CB	B56	424	V(30x45)	6	No Message	B.2.4-5b	0.000377	0.000377
CB	B57	428	V(30x45)	0	No Message	B.2.4-5b	0.000348	0.000348
CB	B57	428	V(30x45)	0.5	No Message	B.2.4-5b	0.00024	0.00024
CB	B57	428	V(30x45)	0.5	No Message	B.2.4-5b	0.000243	0.000243
CB	B57	428	V(30x45)	1	No Message	B.2.4-5b	0.000138	0.000138
CB	B57	428	V(30x45)	1	No Message	B.2.4-5b	0.000139	0.000139
CB	B57	428	V(30x45)	1.5	No Message	B.2.4-5b	0.000107	0.000107
CB	B57	428	V(30x45)	1.5	No Message	B.2.4-5b	0.00011	0.00011
CB	B57	428	V(30x45)	2	No Message	B.2.4-5b	0.00011	0.00011
CB	B57	428	V(30x45)	2	No Message	B.2.4-5b	0.000111	0.000111
CB	B57	428	V(30x45)	2.5	No Message	B.2.4-5b	0.000111	0.000111
CB	B57	428	V(30x45)	2.5	No Message	B.2.4-5b	0.000112	0.000112
CB	B57	428	V(30x45)	3	No Message	B.2.4-5b	0.000112	0.000112
CB	B57	428	V(30x45)	3	No Message	B.2.4-5b	0.000113	0.000113
CB	B57	428	V(30x45)	3.5	No Message	B.2.4-5b	0.000113	0.000113
CB	B57	428	V(30x45)	3.5	No Message	B.2.4-5b	0.000115	0.000115
CB	B57	428	V(30x45)	4	No Message	B.2.4-5b	0.000115	0.000115

Table: Concrete Beam Design Summary - ACI 318-08, Part 1 of 4

Story	Label	UniqueName	DesignSect	Station	Status	AsTopCombo	AsMinTop	AsTop
Unitless	Unitless	Unitless	Unitless	m	Unitless	Unitless	m²	m²
CB	B57	428	V(30x45)	4	No Message	B.2.4-5b	0.000116	0.000116
CB	B57	428	V(30x45)	4.5	No Message	B.2.4-5b	0.000116	0.000116
CB	B57	428	V(30x45)	4.5	No Message	B.2.4-5b	0.000118	0.000118
CB	B57	428	V(30x45)	5	No Message	B.2.4-5b	0.000147	0.000147
CB	B57	428	V(30x45)	5	No Message	B.2.4-5b	0.000151	0.000151
CB	B57	428	V(30x45)	5.5	No Message	B.2.4-5b	0.000254	0.000254
CB	B57	428	V(30x45)	5.5	No Message	B.2.4-5b	0.000256	0.000256
CB	B57	428	V(30x45)	6	No Message	B.2.4-5b	0.000359	0.000359
CB	B58	432	V(30x45)	0	No Message	B.2.4-5b	0.000352	0.000352
CB	B58	432	V(30x45)	0.5	No Message	B.2.4-5b	0.000245	0.000245
CB	B58	432	V(30x45)	0.5	No Message	B.2.4-5b	0.000253	0.000253
CB	B58	432	V(30x45)	1	No Message	B.2.4-5b	0.000149	0.000149
CB	B58	432	V(30x45)	1	No Message	B.2.4-5b	0.000154	0.000154
CB	B58	432	V(30x45)	1.5	No Message	B.2.4-5b	0.000133	0.000133
CB	B58	432	V(30x45)	1.5	No Message	B.2.4-5b	0.000137	0.000137
CB	B58	432	V(30x45)	2	No Message	B.2.4-5b	0.000137	0.000137
CB	B58	432	V(30x45)	2	No Message	B.2.4-5b	0.000141	0.000141
CB	B58	432	V(30x45)	2.5	No Message	B.2.4-5b	0.000141	0.000141
CB	B58	432	V(30x45)	2.5	No Message	B.2.4-5b	0.000144	0.000144
CB	B58	432	V(30x45)	3	No Message	B.2.4-5b	0.000144	0.000144
CB	B58	432	V(30x45)	3	No Message	B.2.4-5b	0.000148	0.000148
CB	B58	432	V(30x45)	3.5	No Message	B.2.4-5b	0.000148	0.000148
CB	B58	432	V(30x45)	3.5	No Message	B.2.4-5b	0.000152	0.000152
CB	B58	432	V(30x45)	4	No Message	B.2.4-5b	0.000152	0.000152
CB	B58	432	V(30x45)	4	No Message	B.2.4-5b	0.000157	0.000157
CB	B58	432	V(30x45)	4.5	No Message	B.2.4-5b	0.000157	0.000157
CB	B58	432	V(30x45)	4.5	No Message	B.2.4-5b	0.000163	0.000163
CB	B58	432	V(30x45)	5	No Message	B.2.4-5b	0.000201	0.000201
CB	B58	432	V(30x45)	5	No Message	B.2.4-5b	0.000211	0.000211
CB	B58	432	V(30x45)	5.5	No Message	B.2.4-5b	0.000316	0.000316
CB	B58	432	V(30x45)	5.5	No Message	B.2.4-5b	0.000323	0.000323
CB	B58	432	V(30x45)	6	No Message	B.2.4-5b	0.000402	0.000402
CB	B103	436	V(30x45)	0	No Message	B.2.4-5b	0.000402	0.000402
CB	B103	436	V(30x45)	0.5	No Message	B.2.4-5b	0.000337	0.000337
CB	B103	436	V(30x45)	0.5	No Message	B.2.4-5b	0.000349	0.000349
CB	B103	436	V(30x45)	1	No Message	B.2.4-5b	0.000242	0.000242
CB	B103	436	V(30x45)	1	No Message	B.2.4-5b	0.000251	0.000251
CB	B103	436	V(30x45)	1.5	No Message	B.2.4-5b	0.000207	0.000207
CB	B103	436	V(30x45)	1.5	No Message	B.2.4-5b	0.000215	0.000215
CB	B103	436	V(30x45)	2	No Message	B.2.4-5b	0.000215	0.000215
CB	B103	436	V(30x45)	2	No Message	B.2.4-5b	0.000223	0.000223
CB	B103	436	V(30x45)	2.5	No Message	B.2.4-5b	0.000223	0.000223
CB	B103	436	V(30x45)	2.5	No Message	B.2.4-5b	0.000231	0.000231
CB	B103	436	V(30x45)	3	No Message	B.2.4-5b	0.000231	0.000231
CB	B103	436	V(30x45)	3	No Message	B.2.4-5b	0.000238	0.000238
CB	B103	436	V(30x45)	3.5	No Message	B.2.4-5b	0.000238	0.000238
CB	B103	436	V(30x45)	3.5	No Message	B.2.4-5b	0.000246	0.000246
CB	B103	436	V(30x45)	4	No Message	B.2.4-5b	0.000246	0.000246

Table: Concrete Beam Design Summary - ACI 318-08, Part 1 of 4

Story	Label	UniqueName	DesignSect	Station	Status	AsTopCombo	AsMinTop	AsTop
Unitless	Unitless	Unitless	Unitless	m	Unitless	Unitless	m²	m²
CB	B103	436	V(30x45)	4	No Message	B.2.4-5b	0.000255	0.000255
CB	B103	436	V(30x45)	4.5	No Message	B.2.4-5b	0.000255	0.000255
CB	B103	436	V(30x45)	4.5	No Message	B.2.4-5b	0.000264	0.000264
CB	B103	436	V(30x45)	5	No Message	B.2.4-5b	0.00033	0.00033
CB	B103	436	V(30x45)	5	No Message	B.2.4-5b	0.000349	0.000349
CB	B103	436	V(30x45)	5.5	No Message	B.2.4-5b	0.000402	0.000402
CB	B103	436	V(30x45)	5.5	No Message	B.2.4-7b	0.000402	0.000402
CB	B103	436	V(30x45)	6	No Message	B.2.4-5b	0.000402	0.000435
CB	B107	489	V(30x45)	0	No Message	B.2.4-5b	0.000402	0.000402
CB	B107	489	V(30x45)	0.5	No Message	B.2.4-5b	0.000397	0.000397
CB	B107	489	V(30x45)	0.5	No Message	B.2.4-5b	0.000386	0.000386
CB	B107	489	V(30x45)	1	No Message	B.2.4-5b	0.000274	0.000274
CB	B107	489	V(30x45)	1	No Message	B.2.4-5b	0.000263	0.000263
CB	B107	489	V(30x45)	1.5	No Message	B.2.4-5b	0.000191	0.000191
CB	B107	489	V(30x45)	1.5	No Message	B.2.4-5b	0.000184	0.000184
CB	B107	489	V(30x45)	2	No Message	B.2.4-5b	0.000184	0.000184
CB	B107	489	V(30x45)	2	No Message	B.2.4-5b	0.000178	0.000178
CB	B107	489	V(30x45)	2.5	No Message	B.2.4-5b	0.000178	0.000178
CB	B107	489	V(30x45)	2.5	No Message	B.2.4-5b	0.000173	0.000173
CB	B107	489	V(30x45)	3	No Message	B.2.4-5b	0.000173	0.000173
CB	B107	489	V(30x45)	3	No Message	B.2.4-5b	0.000168	0.000168
CB	B107	489	V(30x45)	3.5	No Message	B.2.4-5b	0.000168	0.000168
CB	B107	489	V(30x45)	3.5	No Message	B.2.4-5b	0.000164	0.000164
CB	B107	489	V(30x45)	4	No Message	B.2.4-5b	0.000164	0.000164
CB	B107	489	V(30x45)	4	No Message	B.2.4-5b	0.00016	0.00016
CB	B107	489	V(30x45)	4.5	No Message	B.2.4-5b	0.00016	0.00016
CB	B107	489	V(30x45)	4.5	No Message	B.2.4-5b	0.000156	0.000156
CB	B107	489	V(30x45)	5	No Message	B.2.4-5b	0.000168	0.000168
CB	B107	489	V(30x45)	5	No Message	B.2.4-5b	0.000164	0.000164
CB	B107	489	V(30x45)	5.5	No Message	B.2.4-5b	0.000263	0.000263
CB	B107	489	V(30x45)	5.5	No Message	B.2.4-5b	0.000255	0.000255
CB	B107	489	V(30x45)	6	No Message	B.2.4-5b	0.000357	0.000357
CB	B108	505	V(30x45)	0	No Message	B.2.4-5b	0.000357	0.000357
CB	B108	505	V(30x45)	0.5	No Message	B.2.4-5b	0.000255	0.000255
CB	B108	505	V(30x45)	0.5	No Message	B.2.4-5b	0.000253	0.000253
CB	B108	505	V(30x45)	1	No Message	B.2.4-5b	0.000151	0.000151
CB	B108	505	V(30x45)	1	No Message	B.2.4-5b	0.000148	0.000148
CB	B108	505	V(30x45)	1.5	No Message	B.2.4-5b	0.000126	0.000126
CB	B108	505	V(30x45)	1.5	No Message	B.2.4-5b	0.000125	0.000125
CB	B108	505	V(30x45)	2	No Message	B.2.4-5b	0.000125	0.000125
CB	B108	505	V(30x45)	2	No Message	B.2.4-5b	0.000126	0.000126
CB	B108	505	V(30x45)	2.5	No Message	B.2.4-5b	0.000126	0.000126
CB	B108	505	V(30x45)	2.5	No Message	B.2.4-5b	0.000127	0.000127
CB	B108	505	V(30x45)	3	No Message	B.2.4-5b	0.000127	0.000127
CB	B108	505	V(30x45)	3	No Message	B.2.4-5b	0.000128	0.000128
CB	B108	505	V(30x45)	3.5	No Message	B.2.4-5b	0.000128	0.000128
CB	B108	505	V(30x45)	3.5	No Message	B.2.4-5b	0.000129	0.000129
CB	B108	505	V(30x45)	4	No Message	B.2.4-5b	0.000129	0.000129

Table: Concrete Beam Design Summary - ACI 318-08, Part 1 of 4

Story	Label	UniqueName	DesignSect	Station	Status	AsTopCombo	AsMinTop	AsTop
Unitless	Unitless	Unitless	Unitless	m	Unitless	Unitless	m²	m²
CB	B108	505	V(30x45)	4	No Message	B.2.4-5b	0.000131	0.000131
CB	B108	505	V(30x45)	4.5	No Message	B.2.4-5b	0.000131	0.000131
CB	B108	505	V(30x45)	4.5	No Message	B.2.4-5b	0.000131	0.000131
CB	B108	505	V(30x45)	5	No Message	B.2.4-5b	0.00016	0.00016
CB	B108	505	V(30x45)	5	No Message	B.2.4-5b	0.000161	0.000161
CB	B108	505	V(30x45)	5.5	No Message	B.2.4-5b	0.000266	0.000266
CB	B108	505	V(30x45)	5.5	No Message	B.2.4-5b	0.000265	0.000265
CB	B108	505	V(30x45)	6	No Message	B.2.4-5b	0.000372	0.000372
CB	B110	638	V(30x45)	0	No Message	B.2.4-5b	0.000373	0.000373
CB	B110	638	V(30x45)	0.5	No Message	B.2.4-5b	0.000269	0.000269
CB	B110	638	V(30x45)	0.5	No Message	B.2.4-5b	0.000271	0.000271
CB	B110	638	V(30x45)	1	No Message	B.2.4-5b	0.000168	0.000168
CB	B110	638	V(30x45)	1	No Message	B.2.4-5b	0.000169	0.000169
CB	B110	638	V(30x45)	1.5	No Message	B.2.4-5b	0.000139	0.000139
CB	B110	638	V(30x45)	1.5	No Message	B.2.4-5b	0.000142	0.000142
CB	B110	638	V(30x45)	2	No Message	B.2.4-5b	0.000142	0.000142
CB	B110	638	V(30x45)	2	No Message	B.2.4-5b	0.000144	0.000144
CB	B110	638	V(30x45)	2.5	No Message	B.2.4-5b	0.000144	0.000144
CB	B110	638	V(30x45)	2.5	No Message	B.2.4-5b	0.000146	0.000146
CB	B110	638	V(30x45)	3	No Message	B.2.4-5b	0.000146	0.000146
CB	B110	638	V(30x45)	3	No Message	B.2.4-5b	0.000149	0.000149
CB	B110	638	V(30x45)	3.5	No Message	B.2.4-5b	0.000149	0.000149
CB	B110	638	V(30x45)	3.5	No Message	B.2.4-5b	0.000151	0.000151
CB	B110	638	V(30x45)	4	No Message	B.2.4-5b	0.000151	0.000151
CB	B110	638	V(30x45)	4	No Message	B.2.4-5b	0.000153	0.000153
CB	B110	638	V(30x45)	4.5	No Message	B.2.4-5b	0.000153	0.000153
CB	B110	638	V(30x45)	4.5	No Message	B.2.4-5b	0.000154	0.000154
CB	B110	638	V(30x45)	5	No Message	B.2.4-5b	0.000178	0.000178
CB	B110	638	V(30x45)	5	No Message	B.2.4-5b	0.00018	0.00018
CB	B110	638	V(30x45)	5.5	No Message	B.2.4-5b	0.000282	0.000282
CB	B110	638	V(30x45)	5.5	No Message	B.2.4-5b	0.000279	0.000279
CB	B110	638	V(30x45)	6	No Message	B.2.4-5b	0.000384	0.000384
CB	B111	650	V(30x45)	0	No Message	B.2.4-5b	0.000395	0.000395
CB	B111	650	V(30x45)	0.5	No Message	B.2.4-5b	0.000289	0.000289
CB	B111	650	V(30x45)	0.5	No Message	B.2.4-5b	0.000288	0.000288
CB	B111	650	V(30x45)	1	No Message	B.2.4-5b	0.000184	0.000184
CB	B111	650	V(30x45)	1	No Message	B.2.4-5b	0.00018	0.00018
CB	B111	650	V(30x45)	1.5	No Message	B.2.4-5b	0.000154	0.000154
CB	B111	650	V(30x45)	1.5	No Message	B.2.4-5b	0.000152	0.000152
CB	B111	650	V(30x45)	2	No Message	B.2.4-5b	0.000152	0.000152
CB	B111	650	V(30x45)	2	No Message	B.2.4-5b	0.000149	0.000149
CB	B111	650	V(30x45)	2.5	No Message	B.2.4-5b	0.000149	0.000149
CB	B111	650	V(30x45)	2.5	No Message	B.2.4-5b	0.000146	0.000146
CB	B111	650	V(30x45)	3	No Message	B.2.4-5b	0.000146	0.000146
CB	B111	650	V(30x45)	3	No Message	B.2.4-5b	0.000143	0.000143
CB	B111	650	V(30x45)	3.5	No Message	B.2.4-5b	0.000143	0.000143
CB	B111	650	V(30x45)	3.5	No Message	B.2.4-5b	0.00014	0.00014
CB	B111	650	V(30x45)	4	No Message	B.2.4-5b	0.00014	0.00014

Table: Concrete Beam Design Summary - ACI 318-08, Part 1 of 4

Story	Label	UniqueName	DesignSect	Station	Status	AsTopCombo	AsMinTop	AsTop
Unitless	Unitless	Unitless	Unitless	m	Unitless	Unitless	m²	m²
CB	B111	650	V(30x45)	4	No Message	B.2.4-5b	0.000136	0.000136
CB	B111	650	V(30x45)	4.5	No Message	B.2.4-5b	0.000136	0.000136
CB	B111	650	V(30x45)	4.5	No Message	B.2.4-5b	0.000131	0.000131
CB	B111	650	V(30x45)	5	No Message	B.2.4-5b	0.000131	0.000131
CB	B111	650	V(30x45)	5	No Message	B.2.4-5b	0.000124	0.000124
CB	B111	650	V(30x45)	5.5	No Message	B.2.4-5b	0.000207	0.000207
CB	B111	650	V(30x45)	5.5	No Message	B.2.4-5b	0.000201	0.000201
CB	B111	650	V(30x45)	6	No Message	B.2.4-5b	0.000302	0.000302
CB	B136	875	V(40x45)	0.3	No Message	B.2.4-5b	0.000536	0.000763
CB	B136	875	V(40x45)	0.5	No Message	B.2.4-5b	0.000536	0.000662
CB	B136	875	V(40x45)	0.5	No Message	B.2.4-5b	0.000536	0.00063
CB	B136	875	V(40x45)	1	No Message	B.2.4-5b	0.000536	0.000536
CB	B136	875	V(40x45)	1	No Message	B.2.4-5b	0.000496	0.000496
CB	B136	875	V(40x45)	1.5	No Message	B.2.4-5b	0.000299	0.000299
CB	B136	875	V(40x45)	1.5	No Message	B.2.4-5b	0.000259	0.000259
CB	B136	875	V(40x45)	2	No Message	B.2.4-5b	0.000259	0.000259
CB	B136	875	V(40x45)	2	No Message	B.2.4-5b	0.00027	0.00027
CB	B136	875	V(40x45)	2.5	No Message	B.2.4-5b	0.00027	0.00027
CB	B136	875	V(40x45)	2.5	No Message	B.2.4-5b	0.000314	0.000314
CB	B136	875	V(40x45)	3	No Message	B.2.4-5b	0.000314	0.000314
CB	B136	875	V(40x45)	3	No Message	B.2.4-5b	0.000352	0.000352
CB	B136	875	V(40x45)	3.5	No Message	B.2.4-5b	0.000352	0.000352
CB	B136	875	V(40x45)	3.5	No Message	B.2.4-5b	0.000381	0.000381
CB	B136	875	V(40x45)	4	No Message	B.2.4-5b	0.000381	0.000381
CB	B136	875	V(40x45)	4	No Message	B.2.4-5b	0.0004	0.0004
CB	B136	875	V(40x45)	4.5	No Message	B.2.4-5b	0.0004	0.0004
CB	B136	875	V(40x45)	4.5	No Message	B.2.4-5b	0.000414	0.000414
CB	B136	875	V(40x45)	5	No Message	B.2.4-7b	0.000536	0.000536
CB	B136	875	V(40x45)	5	No Message	B.2.4-7b	0.000536	0.000536
CB	B136	875	V(40x45)	5.5	No Message	B.2.4-5b	0.000536	0.000679
CB	B136	875	V(40x45)	5.5	No Message	B.2.4-5b	0.000536	0.000688
CB	B136	875	V(40x45)	5.7	No Message	B.2.4-5b	0.000536	0.000784
CB	B139	915	V(40x45)	0.3	No Message	B.2.4-5b	0.000536	0.000683
CB	B139	915	V(40x45)	0.47143	No Message	B.2.4-5b	0.000536	0.000559
CB	B139	915	V(40x45)	0.47143	No Message	B.2.4-7b	0.000536	0.000536
CB	B139	915	V(40x45)	0.94286	No Message	B.2.4-5b	0.00034	0.00034
CB	B139	915	V(40x45)	0.94286	No Message	B.2.4-5b	0.000309	0.000309
CB	B139	915	V(40x45)	1.41429	No Message	B.2.4-5b	0.000217	0.000217
CB	B139	915	V(40x45)	1.41429	No Message	B.2.4-5b	0.000214	0.000214
CB	B139	915	V(40x45)	1.88571	No Message	B.2.4-5b	0.000214	0.000214
CB	B139	915	V(40x45)	1.88571	No Message	B.2.4-5b	0.000222	0.000222
CB	B139	915	V(40x45)	2.35714	No Message	B.2.4-5b	0.000222	0.000222
CB	B139	915	V(40x45)	2.35714	No Message	B.2.4-5b	0.000232	0.000232
CB	B139	915	V(40x45)	2.82857	No Message	B.2.4-5b	0.000232	0.000232
CB	B139	915	V(40x45)	2.82857	No Message	B.2.4-5b	0.000241	0.000241
CB	B139	915	V(40x45)	3.3	No Message	B.2.4-5b	0.000241	0.000241
CB	B139	915	V(40x45)	3.3	No Message	B.2.4-5b	0.000273	0.000273
CB	B139	915	V(40x45)	3.78	No Message	B.2.4-5b	0.000273	0.000273

Table: Concrete Beam Design Summary - ACI 318-08, Part 1 of 4

Story	Label	UniqueName	DesignSect	Station	Status	AsTopCombo	AsMinTop	AsTop
Unitless	Unitless	Unitless	Unitless	m	Unitless	Unitless	m²	m²
CB	B139	915	V(40x45)	4.26	No Message	B.2.4-5b	0.000273	0.000273
CB	B139	915	V(40x45)	4.74	No Message	B.2.4-7b	0.00029	0.00029
CB	B139	915	V(40x45)	5.22	No Message	B.2.4-7b	0.000536	0.000536
CB	B139	915	V(40x45)	5.7	No Message	B.2.4-5b	0.000536	0.000745
CB	B142	477	V(30x45)	0	No Message	B.2.4-5b	0.000402	0.000402
CB	B142	477	V(30x45)	0.47143	No Message	B.2.4-5b	0.000314	0.000314
CB	B142	477	V(30x45)	0.47143	No Message	B.2.4-5b	0.000292	0.000292
CB	B142	477	V(30x45)	0.5	No Message	B.2.4-5b	0.000292	0.000292
CB	B142	477	V(30x45)	0.5	No Message	B.2.4-5b	0.000243	0.000243
CB	B142	477	V(30x45)	0.94286	No Message	B.2.4-5b	0.000205	0.000205
CB	B142	477	V(30x45)	0.94286	No Message	B.2.4-5b	0.000201	0.000201
CB	B142	477	V(30x45)	1	No Message	B.2.4-5b	0.000201	0.000201
CB	B142	477	V(30x45)	1	No Message	B.2.4-5b	0.000163	0.000163
CB	B142	477	V(30x45)	1.41429	No Message	B.2.4-5b	0.000163	0.000163
CB	B142	477	V(30x45)	1.41429	No Message	B.2.4-5b	0.000163	0.000163
CB	B142	477	V(30x45)	1.5	No Message	B.2.4-5b	0.000163	0.000163
CB	B142	477	V(30x45)	1.5	No Message	B.2.4-5b	0.00013	0.00013
CB	B142	477	V(30x45)	1.88571	No Message	B.2.4-5b	0.00013	0.00013
CB	B142	477	V(30x45)	1.88571	No Message	B.2.4-5b	0.000133	0.000133
CB	B142	477	V(30x45)	2	No Message	B.2.4-5b	0.000133	0.000133
CB	B142	477	V(30x45)	2	No Message	B.2.4-5b	0.000129	0.000129
CB	B142	477	V(30x45)	2.35714	No Message	B.2.4-5b	0.000129	0.000129
CB	B142	477	V(30x45)	2.35714	No Message	B.2.4-5b	0.000132	0.000132
CB	B142	477	V(30x45)	2.5	No Message	B.2.4-5b	0.000132	0.000132
CB	B142	477	V(30x45)	2.5	No Message	B.2.4-5b	0.000156	0.000156
CB	B142	477	V(30x45)	2.82857	No Message	B.2.4-5b	0.000156	0.000156
CB	B142	477	V(30x45)	2.82857	No Message	B.2.4-5b	0.00016	0.00016
CB	B142	477	V(30x45)	3	No Message	B.2.4-5b	0.00016	0.00016
CB	B142	477	V(30x45)	3	No Message	B.2.4-5b	0.000185	0.000185
CB	B142	477	V(30x45)	3.3	No Message	B.2.4-5b	0.000185	0.000185
CB	B142	477	V(30x45)	3.3	No Message	B.2.4-5b	0.000201	0.000201
CB	B142	477	V(30x45)	3.5	No Message	B.2.4-5b	0.000201	0.000201
CB	B142	477	V(30x45)	3.5	No Message	B.2.4-5b	0.000205	0.000205
CB	B142	477	V(30x45)	4	No Message	B.2.4-5b	0.000205	0.000205
CB	B142	477	V(30x45)	4	No Message	B.2.4-5b	0.0002	0.0002
CB	B142	477	V(30x45)	4.5	No Message	B.2.4-5b	0.0002	0.0002
CB	B142	477	V(30x45)	4.5	No Message	B.2.4-5b	0.000206	0.000206
CB	B142	477	V(30x45)	5	No Message	B.2.4-5b	0.000227	0.000227
CB	B142	477	V(30x45)	5	No Message	B.2.4-5b	0.000239	0.000239
CB	B142	477	V(30x45)	5.5	No Message	B.2.4-5b	0.000402	0.000402
CB	B142	477	V(30x45)	5.5	No Message	B.2.4-5b	0.000402	0.000402
CB	B142	477	V(30x45)	6	No Message	B.2.4-5b	0.000402	0.000434
CB	B185	855	V(30x45)	0	No Message	B.2.4-5b	0.000225	0.000225
CB	B185	855	V(30x45)	0.5	No Message	B.2.4-5b	0.000152	0.000152
CB	B185	855	V(30x45)	1	No Message	B.2.4-7b	9.4E-05	9.4E-05
CB	B185	855	V(30x45)	1.5	No Message	B.2.4-5b	6E-05	6E-05
CB	B185	855	V(30x45)	2	No Message	B.2.4-5b	6E-05	6E-05
CB	B185	855	V(30x45)	2.5	No Message	B.2.4-5b	6E-05	6E-05

Table: Concrete Beam Design Summary - ACI 318-08, Part 1 of 4

Story	Label	UniqueName	DesignSect	Station	Status	AsTopCombo	AsMinTop	AsTop
Unitless	Unitless	Unitless	Unitless	m	Unitless	Unitless	m²	m²
CB	B185	855	V(30x45)	3	No Message	B.2.4-5b	6E-05	6E-05
CB	B185	855	V(30x45)	3.5	No Message	B.2.4-7b	8.6E-05	8.6E-05
CB	B185	855	V(30x45)	4	No Message	B.2.4-5b	0.000156	0.000156
CB	B188	862	V(40x45)	0.2	No Message	B.2.4-5b	8.7E-05	8.7E-05
CB	B188	862	V(40x45)	0.47	No Message	B.2.4-5b	4.1E-05	4.1E-05
CB	B188	862	V(40x45)	0.74	No Message	B.2.4-7b	9E-06	9E-06
CB	B189	874	V(40x45)	0.2	No Message	B.2.4-5b	8.9E-05	8.9E-05
CB	B189	874	V(40x45)	0.47	No Message	B.2.4-5b	4.4E-05	4.4E-05
CB	B189	874	V(40x45)	0.74	No Message	B.2.4-5b	1.2E-05	1.2E-05
CB	B814	642	V(40x45)	0.2	No Message	B.2.4-7b	0.000134	0.000134
CB	B814	642	V(40x45)	0.47143	No Message	B.2.4-7b	7.1E-05	7.1E-05
CB	B814	642	V(40x45)	0.47143	No Message	B.2.4-7b	6.6E-05	6.6E-05
CB	B814	642	V(40x45)	0.94286	No Message	B.2.4-5b	6.4E-05	6.4E-05
CB	B814	642	V(40x45)	0.94286	No Message	B.2.4-5b	6.6E-05	6.6E-05
CB	B814	642	V(40x45)	1.41429	No Message	B.2.4-5b	6.6E-05	6.6E-05
CB	B814	642	V(40x45)	1.41429	No Message	B.2.4-5b	6.8E-05	6.8E-05
CB	B814	642	V(40x45)	1.88571	No Message	B.2.4-5b	6.8E-05	6.8E-05
CB	B814	642	V(40x45)	1.88571	No Message	B.2.4-5b	7.1E-05	7.1E-05
CB	B814	642	V(40x45)	2.35714	No Message	B.2.4-5b	7.1E-05	7.1E-05
CB	B814	642	V(40x45)	2.35714	No Message	B.2.4-5b	7.4E-05	7.4E-05
CB	B814	642	V(40x45)	2.82857	No Message	B.2.4-5b	7.4E-05	7.4E-05
CB	B814	642	V(40x45)	2.82857	No Message	B.2.4-7b	8.7E-05	8.7E-05
CB	B814	642	V(40x45)	3.3	No Message	B.2.4-5b	0.000278	0.000278
CB	B814	642	V(40x45)	3.3	No Message	B.2.4-5b	0.00028	0.00028
CB	B814	642	V(40x45)	3.79	No Message	B.2.4-5b	0.000177	0.000177
CB	B814	642	V(40x45)	4.28	No Message	B.2.4-7b	9.3E-05	9.3E-05
CB	B814	642	V(40x45)	4.77	No Message	B.2.4-5b	0.00013	0.00013
CB	B814	642	V(40x45)	5.26	No Message	B.2.4-5b	0.000202	0.000202
CB	B814	642	V(40x45)	5.75	No Message	B.2.4-5b	0.000285	0.000285
CB	B130	490	V(40x45)	0.3	No Message	B.2.4-5b	0.000536	0.000545
CB	B130	490	V(40x45)	0.44667	No Message	B.2.4-7b	0.000536	0.000536
CB	B130	490	V(40x45)	0.44667	No Message	B.2.4-7b	0.000536	0.000536
CB	B130	490	V(40x45)	0.89333	No Message	B.2.4-5b	0.000387	0.000387
CB	B130	490	V(40x45)	0.89333	No Message	B.2.4-5b	0.000382	0.000382
CB	B130	490	V(40x45)	1.34	No Message	B.2.4-7b	0.000198	0.000198
CB	B130	490	V(40x45)	1.34	No Message	B.2.4-7b	0.000192	0.000192
CB	B130	490	V(40x45)	1.78667	No Message	B.2.4-5b	0.000187	0.000187
CB	B130	490	V(40x45)	1.78667	No Message	B.2.4-5b	0.000188	0.000188
CB	B130	490	V(40x45)	2.23333	No Message	B.2.4-5b	0.000188	0.000188
CB	B130	490	V(40x45)	2.23333	No Message	B.2.4-5b	0.00019	0.00019
CB	B130	490	V(40x45)	2.68	No Message	B.2.4-5b	0.00019	0.00019
CB	B130	490	V(40x45)	2.68	No Message	B.2.4-5b	0.000193	0.000193
CB	B130	490	V(40x45)	3.12667	No Message	B.2.4-7b	0.00032	0.00032
CB	B130	490	V(40x45)	3.12667	No Message	B.2.4-7b	0.000331	0.000331
CB	B130	490	V(40x45)	3.57333	No Message	B.2.4-5b	0.00052	0.00052
CB	B130	490	V(40x45)	3.57333	No Message	B.2.4-5b	0.000532	0.000532
CB	B130	490	V(40x45)	3.77	No Message	B.2.4-7b	0.000536	0.000536
CB	B131	486	V(40x45)	0.3	No Message	B.2.4-5b	0.000386	0.000386

Table: Concrete Beam Design Summary - ACI 318-08, Part 1 of 4

Story	Label	UniqueName	DesignSect	Station	Status	AsTopCombo	AsMinTop	AsTop
Unitless	Unitless	Unitless	Unitless	m	Unitless	Unitless	m²	m²
CB	B131	486	V(40x45)	0.79571	No Message	B.2.4-7b	0.000255	0.000255
CB	B131	486	V(40x45)	1.29143	No Message	B.2.4-7b	0.000136	0.000136
CB	B131	486	V(40x45)	1.78714	No Message	B.2.4-7b	9.6E-05	9.6E-05
CB	B131	486	V(40x45)	2.28286	No Message	B.2.4-7b	9.6E-05	9.6E-05
CB	B131	486	V(40x45)	2.77857	No Message	B.2.4-7b	0.000138	0.000138
CB	B131	486	V(40x45)	3.27429	No Message	B.2.4-7b	0.000256	0.000256
CB	B131	486	V(40x45)	3.77	No Message	B.2.4-5b	0.000393	0.000393
CB	B478	433	V(40x50)	0.25	No Message	B.2.4-5b	0.000603	0.000603
CB	B478	433	V(40x50)	0.42167	No Message	B.2.4-5b	0.00056	0.00056
CB	B478	433	V(40x50)	0.42167	No Message	B.2.4-5b	0.000552	0.000552
CB	B478	433	V(40x50)	0.84333	No Message	B.2.4-5b	0.000369	0.000369
CB	B478	433	V(40x50)	0.84333	No Message	B.2.4-5b	0.000361	0.000361
CB	B478	433	V(40x50)	1.265	No Message	B.2.4-7b	0.000233	0.000233
CB	B478	433	V(40x50)	1.265	No Message	B.2.4-7b	0.000229	0.000229
CB	B478	433	V(40x50)	1.68667	No Message	B.2.4-5b	0.000165	0.000165
CB	B478	433	V(40x50)	1.68667	No Message	B.2.4-5b	0.000166	0.000166
CB	B478	433	V(40x50)	2.10833	No Message	B.2.4-5b	0.000166	0.000166
CB	B478	433	V(40x50)	2.10833	No Message	B.2.4-5b	0.000164	0.000164
CB	B478	433	V(40x50)	2.53	No Message	B.2.4-5b	0.000164	0.000164
CB	B478	433	V(40x50)	2.53	No Message	B.2.4-5b	0.000157	0.000157
CB	B478	433	V(40x50)	2.99833	No Message	B.2.4-5b	0.000157	0.000157
CB	B478	433	V(40x50)	3.46667	No Message	B.2.4-5b	0.000157	0.000157
CB	B478	433	V(40x50)	3.935	No Message	B.2.4-5b	0.000157	0.000157
CB	B478	433	V(40x50)	4.40333	No Message	B.2.4-5b	0.000157	0.000157
CB	B478	433	V(40x50)	4.87167	No Message	B.2.4-5b	0.000157	0.000157
CB	B478	433	V(40x50)	5.34	No Message	B.2.4-5b	0.000157	0.000157
CB	B478	433	V(40x50)	5.80833	No Message	B.2.4-5b	0.000157	0.000157
CB	B478	433	V(40x50)	6.27667	No Message	B.2.4-5b	0.000157	0.000157
CB	B478	433	V(40x50)	6.745	No Message	B.2.4-5b	0.00026	0.00026
CB	B478	433	V(40x50)	7.21333	No Message	B.2.4-5b	0.000402	0.000402
CB	B478	433	V(40x50)	7.68167	No Message	B.2.4-5b	0.000557	0.000557
CB	B478	433	V(40x50)	8.15	No Message	B.2.4-7b	0.000603	0.000603
CB	B479	682	V(30x45)	0	No Message	B.2.4-5b	0.000239	0.000239
CB	B479	682	V(30x45)	0.44667	No Message	B.2.4-5b	0.000169	0.000169
CB	B479	682	V(30x45)	0.44667	No Message	B.2.4-5b	0.000167	0.000167
CB	B479	682	V(30x45)	0.89333	No Message	B.2.4-5b	9.5E-05	9.5E-05
CB	B479	682	V(30x45)	0.89333	No Message	B.2.4-5b	9E-05	9E-05
CB	B479	682	V(30x45)	1.34	No Message	B.2.4-5b	8.4E-05	8.4E-05
CB	B479	682	V(30x45)	1.34	No Message	B.2.4-5b	8E-05	8E-05
CB	B479	682	V(30x45)	1.78667	No Message	B.2.4-5b	8E-05	8E-05
CB	B479	682	V(30x45)	1.78667	No Message	B.2.4-5b	7.7E-05	7.7E-05
CB	B479	682	V(30x45)	2.23333	No Message	B.2.4-5b	7.7E-05	7.7E-05
CB	B479	682	V(30x45)	2.23333	No Message	B.2.4-5b	7.4E-05	7.4E-05
CB	B479	682	V(30x45)	2.68	No Message	B.2.4-5b	7.4E-05	7.4E-05
CB	B479	682	V(30x45)	2.68	No Message	B.2.4-5b	7.3E-05	7.3E-05
CB	B479	682	V(30x45)	3.12667	No Message	B.2.4-5b	7.3E-05	7.3E-05
CB	B479	682	V(30x45)	3.12667	No Message	B.2.4-5b	7.6E-05	7.6E-05
CB	B479	682	V(30x45)	3.57333	No Message	B.2.4-5b	9.8E-05	9.8E-05

Table: Concrete Beam Design Summary - ACI 318-08, Part 1 of 4

Story	Label	UniqueName	DesignSect	Station	Status	AsTopCombo	AsMinTop	AsTop
Unitless	Unitless	Unitless	Unitless	m	Unitless	Unitless	m²	m²
CB	B479	682	V(30x45)	3.57333	No Message	B.2.4-5b	0.000105	0.000105
CB	B479	682	V(30x45)	4.02	No Message	B.2.4-5b	0.000163	0.000163
CB	B4	1007	V(40x45)	0.2	No Message	B.2.4-5b	0.00029	0.00029
CB	B4	1007	V(40x45)	0.49625	No Message	B.2.4-5b	0.000193	0.000193
CB	B4	1007	V(40x45)	0.49625	No Message	B.2.4-5b	0.000187	0.000187
CB	B4	1007	V(40x45)	0.9925	No Message	B.2.4-5b	7.8E-05	7.8E-05
CB	B4	1007	V(40x45)	0.9925	No Message	B.2.4-5b	7.8E-05	7.8E-05
CB	B4	1007	V(40x45)	1.48875	No Message	B.2.4-5b	7.8E-05	7.8E-05
CB	B4	1007	V(40x45)	1.48875	No Message	B.2.4-5b	7.8E-05	7.8E-05
CB	B4	1007	V(40x45)	1.985	No Message	B.2.4-5b	7.8E-05	7.8E-05
CB	B4	1007	V(40x45)	1.985	No Message	B.2.4-5b	7.9E-05	7.9E-05
CB	B4	1007	V(40x45)	2.48125	No Message	B.2.4-5b	7.9E-05	7.9E-05
CB	B4	1007	V(40x45)	2.48125	No Message	B.2.4-5b	8E-05	8E-05
CB	B4	1007	V(40x45)	2.9775	No Message	B.2.4-7b	0.000105	0.000105
CB	B4	1007	V(40x45)	2.9775	No Message	B.2.4-7b	0.00011	0.00011
CB	B4	1007	V(40x45)	3.47375	No Message	B.2.4-7b	0.000214	0.000214
CB	B4	1007	V(40x45)	3.47375	No Message	B.2.4-7b	0.000219	0.000219
CB	B4	1007	V(40x45)	3.77	No Message	B.2.4-5b	0.000306	0.000306
CB	B18	716	V(40x45)	0.3	No Message	B.2.4-5b	0.000536	0.000578
CB	B18	716	V(40x45)	0.45625	No Message	B.2.4-7b	0.000536	0.000536
CB	B18	716	V(40x45)	0.45625	No Message	B.2.4-7b	0.000536	0.000536
CB	B18	716	V(40x45)	0.9125	No Message	B.2.4-5b	0.000501	0.000501
CB	B18	716	V(40x45)	0.9125	No Message	B.2.4-5b	0.000482	0.000482
CB	B18	716	V(40x45)	1.36875	No Message	B.2.4-5b	0.00033	0.00033
CB	B18	716	V(40x45)	1.36875	No Message	B.2.4-5b	0.000312	0.000312
CB	B18	716	V(40x45)	1.825	No Message	B.2.4-5b	0.000302	0.000302
CB	B18	716	V(40x45)	1.825	No Message	B.2.4-5b	0.00029	0.00029
CB	B18	716	V(40x45)	2.28125	No Message	B.2.4-5b	0.00029	0.00029
CB	B18	716	V(40x45)	2.28125	No Message	B.2.4-5b	0.000278	0.000278
CB	B18	716	V(40x45)	2.7375	No Message	B.2.4-5b	0.000341	0.000341
CB	B18	716	V(40x45)	2.7375	No Message	B.2.4-5b	0.000334	0.000334
CB	B18	716	V(40x45)	3.19375	No Message	B.2.4-5b	0.000501	0.000501
CB	B18	716	V(40x45)	3.19375	No Message	B.2.4-5b	0.000496	0.000496
CB	B18	716	V(40x45)	3.4	No Message	B.2.4-7b	0.000536	0.000536
CB	B77	718	V(40x45)	0.25	No Message	B.2.4-5b	0.000516	0.000516
CB	B77	718	V(40x45)	0.475	No Message	B.2.4-5b	0.00042	0.00042
CB	B77	718	V(40x45)	0.475	No Message	B.2.4-5b	0.000404	0.000404
CB	B77	718	V(40x45)	0.95	No Message	B.2.4-7b	0.000243	0.000243
CB	B77	718	V(40x45)	0.95	No Message	B.2.4-7b	0.000227	0.000227
CB	B77	718	V(40x45)	1.425	No Message	B.2.4-5b	0.000192	0.000192
CB	B77	718	V(40x45)	1.425	No Message	B.2.4-5b	0.00018	0.00018
CB	B77	718	V(40x45)	1.9	No Message	B.2.4-5b	0.00018	0.00018
CB	B77	718	V(40x45)	1.9	No Message	B.2.4-5b	0.000168	0.000168
CB	B77	718	V(40x45)	2.375	No Message	B.2.4-5b	0.000168	0.000168
CB	B77	718	V(40x45)	2.375	No Message	B.2.4-5b	0.000157	0.000157
CB	B77	718	V(40x45)	2.85	No Message	B.2.4-5b	0.000157	0.000157
CB	B77	718	V(40x45)	2.85	No Message	B.2.4-5b	0.000149	0.000149
CB	B77	718	V(40x45)	3.325	No Message	B.2.4-5b	0.000149	0.000149

Table: Concrete Beam Design Summary - ACI 318-08, Part 1 of 4

Story	Label	UniqueName	DesignSect	Station	Status	AsTopCombo	AsMinTop	AsTop
Unitless	Unitless	Unitless	Unitless	m	Unitless	Unitless	m²	m²
CB	B77	718	V(40x45)	3.325	No Message	B.2.4-5b	0.000144	0.000144
CB	B77	718	V(40x45)	3.8	No Message	B.2.4-7b	0.000211	0.000211
CB	B77	718	V(40x45)	3.8	No Message	B.2.4-7b	0.000215	0.000215
CB	B77	718	V(40x45)	4.275	No Message	B.2.4-5b	0.000389	0.000389
CB	B77	718	V(40x45)	4.275	No Message	B.2.4-5b	0.000397	0.000397
CB	B77	718	V(40x45)	4.5	No Message	B.2.4-5b	0.000499	0.000499
CB	B80	115	V(40x45)	0.25	No Message	B.2.4-5b	0.000536	0.000536
CB	B80	115	V(40x45)	0.47143	No Message	B.2.4-5b	0.000417	0.000417
CB	B80	115	V(40x45)	0.47143	No Message	B.2.4-5b	0.000403	0.000403
CB	B80	115	V(40x45)	0.94286	No Message	B.2.4-5b	0.000161	0.000161
CB	B80	115	V(40x45)	0.94286	No Message	B.2.4-5b	0.000163	0.000163
CB	B80	115	V(40x45)	1.41429	No Message	B.2.4-5b	0.000163	0.000163
CB	B80	115	V(40x45)	1.41429	No Message	B.2.4-5b	0.000162	0.000162
CB	B80	115	V(40x45)	1.88571	No Message	B.2.4-5b	0.000162	0.000162
CB	B80	115	V(40x45)	1.88571	No Message	B.2.4-5b	0.00016	0.00016
CB	B80	115	V(40x45)	2.35714	No Message	B.2.4-5b	0.00016	0.00016
CB	B80	115	V(40x45)	2.35714	No Message	B.2.4-5b	0.000157	0.000157
CB	B80	115	V(40x45)	2.82857	No Message	B.2.4-5b	0.000157	0.000157
CB	B80	115	V(40x45)	2.82857	No Message	B.2.4-5b	0.000151	0.000151
CB	B80	115	V(40x45)	3.3	No Message	B.2.4-5b	0.000151	0.000151
CB	B80	115	V(40x45)	3.3	No Message	B.2.4-5b	0.000144	0.000144
CB	B80	115	V(40x45)	3.79	No Message	B.2.4-5b	0.000144	0.000144
CB	B80	115	V(40x45)	4.28	No Message	B.2.4-5b	0.000144	0.000144
CB	B80	115	V(40x45)	4.77	No Message	B.2.4-7b	0.000151	0.000151
CB	B80	115	V(40x45)	5.26	No Message	B.2.4-5b	0.000408	0.000408
CB	B80	115	V(40x45)	5.75	No Message	B.2.4-7b	0.000536	0.000536
CB	B143	1011	V(30x45)	0.2	No Message	B.2.4-7b	0.000165	0.000165
CB	B143	1011	V(30x45)	0.47143	No Message	B.2.4-7b	0.000112	0.000112
CB	B143	1011	V(30x45)	0.47143	No Message	B.2.4-7b	0.000106	0.000106
CB	B143	1011	V(30x45)	0.94286	No Message	B.2.4-5b	5.5E-05	5.5E-05
CB	B143	1011	V(30x45)	0.94286	No Message	B.2.4-5b	5.3E-05	5.3E-05
CB	B143	1011	V(30x45)	1.41429	No Message	B.2.4-5b	5.3E-05	5.3E-05
CB	B143	1011	V(30x45)	1.41429	No Message	B.2.4-5b	5.1E-05	5.1E-05
CB	B143	1011	V(30x45)	1.88571	No Message	B.2.4-5b	5.1E-05	5.1E-05
CB	B143	1011	V(30x45)	1.88571	No Message	B.2.4-5b	5.2E-05	5.2E-05
CB	B143	1011	V(30x45)	2.35714	No Message	B.2.4-5b	5.2E-05	5.2E-05
CB	B143	1011	V(30x45)	2.35714	No Message	B.2.4-5b	5.3E-05	5.3E-05
CB	B143	1011	V(30x45)	2.82857	No Message	B.2.4-7b	0.000125	0.000125
CB	B143	1011	V(30x45)	2.82857	No Message	B.2.4-7b	0.000131	0.000131
CB	B143	1011	V(30x45)	3.1	No Message	B.2.4-5b	0.000202	0.000202
CB	B153	1015	V(30x45)	0	No Message	B.2.4-5b	0.000101	0.000101
CB	B153	1015	V(30x45)	0.5	No Message	B.2.4-5b	0.000132	0.000132
CB	B153	1015	V(30x45)	0.5	No Message	B.2.4-5b	0.000128	0.000128
CB	B153	1015	V(30x45)	1	No Message	B.2.4-5b	0.000128	0.000128
CB	B153	1015	V(30x45)	1	No Message	B.2.4-5b	0.000126	0.000126
CB	B153	1015	V(30x45)	1.5	No Message	B.2.4-5b	0.000126	0.000126
CB	B153	1015	V(30x45)	1.5	No Message	B.2.4-5b	0.000124	0.000124
CB	B153	1015	V(30x45)	2	No Message	B.2.4-5b	0.000124	0.000124

Table: Concrete Beam Design Summary - ACI 318-08, Part 1 of 4

Story	Label	UniqueName	DesignSect	Station	Status	AsTopCombo	AsMinTop	AsTop
Unitless	Unitless	Unitless	Unitless	m	Unitless	Unitless	m²	m²
CB	B153	1015	V(30x45)	2	No Message	B.2.4-5b	0.000123	0.000123
CB	B153	1015	V(30x45)	2.5	No Message	B.2.4-5b	0.000123	0.000123
CB	B153	1015	V(30x45)	2.5	No Message	B.2.4-5b	0.000123	0.000123
CB	B153	1015	V(30x45)	3	No Message	B.2.4-5b	0.000178	0.000178
CB	B153	1015	V(30x45)	3	No Message	B.2.4-5b	0.000185	0.000185
CB	B153	1015	V(30x45)	3.5	No Message	B.2.4-5b	0.000314	0.000314
CB	B153	1015	V(30x45)	3.5	No Message	B.2.4-5b	0.000324	0.000324
CB	B153	1015	V(30x45)	3.8	No Message	B.2.4-5b	0.000402	0.000402
CB	B175	1019	V(30x45)	0.2	No Message	B.2.4-5b	0.000341	0.000341
CB	B175	1019	V(30x45)	0.49625	No Message	B.2.4-5b	0.000248	0.000248
CB	B175	1019	V(30x45)	0.49625	No Message	B.2.4-5b	0.000233	0.000233
CB	B175	1019	V(30x45)	0.9925	No Message	B.2.4-7b	9.8E-05	9.8E-05
CB	B175	1019	V(30x45)	0.9925	No Message	B.2.4-7b	8.8E-05	8.8E-05
CB	B175	1019	V(30x45)	1.48875	No Message	B.2.4-5b	8.7E-05	8.7E-05
CB	B175	1019	V(30x45)	1.48875	No Message	B.2.4-5b	8.4E-05	8.4E-05
CB	B175	1019	V(30x45)	1.985	No Message	B.2.4-5b	8.4E-05	8.4E-05
CB	B175	1019	V(30x45)	1.985	No Message	B.2.4-5b	8.2E-05	8.2E-05
CB	B175	1019	V(30x45)	2.48125	No Message	B.2.4-5b	8.2E-05	8.2E-05
CB	B175	1019	V(30x45)	2.48125	No Message	B.2.4-5b	8.1E-05	8.1E-05
CB	B175	1019	V(30x45)	2.9775	No Message	B.2.4-7b	8.5E-05	8.5E-05
CB	B175	1019	V(30x45)	2.9775	No Message	B.2.4-7b	8.9E-05	8.9E-05
CB	B175	1019	V(30x45)	3.47375	No Message	B.2.4-7b	0.000177	0.000177
CB	B175	1019	V(30x45)	3.47375	No Message	B.2.4-7b	0.000183	0.000183
CB	B175	1019	V(30x45)	3.77	No Message	B.2.4-5b	0.000261	0.000261
CB	B204	713	V(30x45)	0	No Message	B.2.4-5b	0.000287	0.000287
CB	B204	713	V(30x45)	0.475	No Message	B.2.4-5b	0.000179	0.000179
CB	B204	713	V(30x45)	0.475	No Message	B.2.4-5b	0.00016	0.00016
CB	B204	713	V(30x45)	0.95	No Message	B.2.4-5b	0.000122	0.000122
CB	B204	713	V(30x45)	0.95	No Message	B.2.4-5b	0.000109	0.000109
CB	B204	713	V(30x45)	1.425	No Message	B.2.4-5b	0.000109	0.000109
CB	B204	713	V(30x45)	1.425	No Message	B.2.4-5b	9.9E-05	9.9E-05
CB	B204	713	V(30x45)	1.9	No Message	B.2.4-5b	9.9E-05	9.9E-05
CB	B204	713	V(30x45)	1.9	No Message	B.2.4-5b	9.1E-05	9.1E-05
CB	B204	713	V(30x45)	2.375	No Message	B.2.4-5b	9.1E-05	9.1E-05
CB	B204	713	V(30x45)	2.375	No Message	B.2.4-5b	8.7E-05	8.7E-05
CB	B204	713	V(30x45)	2.85	No Message	B.2.4-5b	8.7E-05	8.7E-05
CB	B204	713	V(30x45)	2.85	No Message	B.2.4-5b	8.8E-05	8.8E-05
CB	B204	713	V(30x45)	3.325	No Message	B.2.4-5b	8.8E-05	8.8E-05
CB	B204	713	V(30x45)	3.325	No Message	B.2.4-5b	9.5E-05	9.5E-05
CB	B204	713	V(30x45)	3.8	No Message	B.2.4-5b	9.5E-05	9.5E-05
CB	B204	713	V(30x45)	3.8	No Message	B.2.4-5b	0.00011	0.00011
CB	B204	713	V(30x45)	4.275	No Message	B.2.4-5b	0.00011	0.00011
CB	B204	713	V(30x45)	4.275	No Message	B.2.4-5b	0.000129	0.000129
CB	B204	713	V(30x45)	4.75	No Message	B.2.4-5b	0.000209	0.000209
CB	B231	678	V(30x45)	0	No Message	B.2.4-7b	0.000163	0.000163
CB	B231	678	V(30x45)	0.48917	No Message	B.2.4-5b	0.000308	0.000308
CB	B231	678	V(30x45)	0.48917	No Message	B.2.4-5b	0.000304	0.000304
CB	B231	678	V(30x45)	0.97833	No Message	B.2.4-5b	0.000304	0.000304

Table: Concrete Beam Design Summary - ACI 318-08, Part 1 of 4

Story	Label	UniqueName	DesignSect	Station	Status	AsTopCombo	AsMinTop	AsTop
Unitless	Unitless	Unitless	Unitless	m	Unitless	Unitless	m²	m²
CB	B231	678	V(30x45)	0.97833	No Message	B.2.4-5b	0.0003	0.0003
CB	B231	678	V(30x45)	1.4675	No Message	B.2.4-5b	0.0003	0.0003
CB	B231	678	V(30x45)	1.4675	No Message	B.2.4-5b	0.000295	0.000295
CB	B231	678	V(30x45)	1.95667	No Message	B.2.4-5b	0.000295	0.000295
CB	B231	678	V(30x45)	1.95667	No Message	B.2.4-5b	0.000289	0.000289
CB	B231	678	V(30x45)	2.44583	No Message	B.2.4-5b	0.000289	0.000289
CB	B231	678	V(30x45)	2.44583	No Message	B.2.4-5b	0.000281	0.000281
CB	B231	678	V(30x45)	2.935	No Message	B.2.4-5b	0.000281	0.000281
CB	B231	678	V(30x45)	2.935	No Message	B.2.4-5b	0.000273	0.000273
CB	B231	678	V(30x45)	3.42417	No Message	B.2.4-5b	0.000273	0.000273
CB	B231	678	V(30x45)	3.42417	No Message	B.2.4-5b	0.000265	0.000265
CB	B231	678	V(30x45)	3.91333	No Message	B.2.4-5b	0.000265	0.000265
CB	B231	678	V(30x45)	3.91333	No Message	B.2.4-5b	0.000257	0.000257
CB	B231	678	V(30x45)	4.4025	No Message	B.2.4-5b	0.000257	0.000257
CB	B231	678	V(30x45)	4.4025	No Message	B.2.4-5b	0.000248	0.000248
CB	B231	678	V(30x45)	4.89167	No Message	B.2.4-5b	0.000292	0.000292
CB	B231	678	V(30x45)	4.89167	No Message	B.2.4-5b	0.000287	0.000287
CB	B231	678	V(30x45)	5.38083	No Message	B.2.4-5b	0.000402	0.000402
CB	B231	678	V(30x45)	5.38083	No Message	B.2.4-5b	0.000402	0.000402
CB	B231	678	V(30x45)	5.87	No Message	B.2.4-5b	0.000402	0.000469
CB	B3	79	V(40x50)	0.3	No Message	B.2.4-7b	0.000529	0.000529
CB	B3	79	V(40x50)	0.74286	No Message	B.2.4-7b	0.000403	0.000403
CB	B3	79	V(40x50)	1.18571	No Message	B.2.4-7b	0.000284	0.000284
CB	B3	79	V(40x50)	1.62857	No Message	B.2.4-7b	0.000195	0.000195
CB	B3	79	V(40x50)	2.07143	No Message	B.2.4-7b	0.000195	0.000195
CB	B3	79	V(40x50)	2.51429	No Message	B.2.4-5b	0.00022	0.00022
CB	B3	79	V(40x50)	2.95714	No Message	B.2.4-5b	0.000351	0.000351
CB	B3	79	V(40x50)	3.4	No Message	B.2.4-5b	0.000493	0.000493
CB	B9	81	V(40x50)	0.25	No Message	B.2.4-5b	0.00036	0.00036
CB	B9	81	V(40x50)	0.72222	No Message	B.2.4-5b	0.000254	0.000254
CB	B9	81	V(40x50)	1.19444	No Message	B.2.4-7b	0.000164	0.000164
CB	B9	81	V(40x50)	1.66667	No Message	B.2.4-7b	0.000106	0.000106
CB	B9	81	V(40x50)	2.13889	No Message	B.2.4-7b	0.000106	0.000106
CB	B9	81	V(40x50)	2.61111	No Message	B.2.4-7b	0.000106	0.000106
CB	B9	81	V(40x50)	3.08333	No Message	B.2.4-7b	0.000106	0.000106
CB	B9	81	V(40x50)	3.55556	No Message	B.2.4-7b	0.000159	0.000159
CB	B9	81	V(40x50)	4.02778	No Message	B.2.4-7b	0.000239	0.000239
CB	B9	81	V(40x50)	4.5	No Message	B.2.4-7b	0.000327	0.000327
CB	B170	711	V(30x45)	0	No Message	B.2.4-5b	0.000402	0.000402
CB	B170	711	V(30x45)	0.45625	No Message	B.2.4-5b	0.000382	0.000382
CB	B170	711	V(30x45)	0.45625	No Message	B.2.4-5b	0.000371	0.000371
CB	B170	711	V(30x45)	0.9125	No Message	B.2.4-5b	0.000288	0.000288
CB	B170	711	V(30x45)	0.9125	No Message	B.2.4-5b	0.000275	0.000275
CB	B170	711	V(30x45)	1.36875	No Message	B.2.4-5b	0.00021	0.00021
CB	B170	711	V(30x45)	1.36875	No Message	B.2.4-5b	0.000199	0.000199
CB	B170	711	V(30x45)	1.825	No Message	B.2.4-5b	0.000176	0.000176
CB	B170	711	V(30x45)	1.825	No Message	B.2.4-5b	0.000166	0.000166
CB	B170	711	V(30x45)	2.28125	No Message	B.2.4-5b	0.000166	0.000166

Table: Concrete Beam Design Summary - ACI 318-08, Part 1 of 4

Story	Label	UniqueName	DesignSect	Station	Status	AsTopCombo	AsMinTop	AsTop
Unitless	Unitless	Unitless	Unitless	m	Unitless	Unitless	m²	m²
CB	B170	711	V(30x45)	2.28125	No Message	B.2.4-5b	0.000155	0.000155
CB	B170	711	V(30x45)	2.7375	No Message	B.2.4-5b	0.000155	0.000155
CB	B170	711	V(30x45)	2.7375	No Message	B.2.4-5b	0.000141	0.000141
CB	B170	711	V(30x45)	3.19375	No Message	B.2.4-5b	0.000144	0.000144
CB	B170	711	V(30x45)	3.19375	No Message	B.2.4-5b	0.000132	0.000132
CB	B170	711	V(30x45)	3.65	No Message	B.2.4-5b	0.000179	0.000179
CB	B574	939	V(40x45)	0.25	No Message	B.2.4-5b	0.000536	0.000536
CB	B574	939	V(40x45)	0.47143	No Message	B.2.4-5b	0.000404	0.000404
CB	B574	939	V(40x45)	0.47143	No Message	B.2.4-5b	0.000393	0.000393
CB	B574	939	V(40x45)	0.94286	No Message	B.2.4-7b	0.000154	0.000154
CB	B574	939	V(40x45)	0.94286	No Message	B.2.4-5b	0.000164	0.000164
CB	B574	939	V(40x45)	1.41429	No Message	B.2.4-5b	0.000164	0.000164
CB	B574	939	V(40x45)	1.41429	No Message	B.2.4-5b	0.000178	0.000178
CB	B574	939	V(40x45)	1.88571	No Message	B.2.4-5b	0.000178	0.000178
CB	B574	939	V(40x45)	1.88571	No Message	B.2.4-5b	0.000193	0.000193
CB	B574	939	V(40x45)	2.35714	No Message	B.2.4-5b	0.000193	0.000193
CB	B574	939	V(40x45)	2.35714	No Message	B.2.4-5b	0.000211	0.000211
CB	B574	939	V(40x45)	2.82857	No Message	B.2.4-5b	0.000211	0.000211
CB	B574	939	V(40x45)	2.82857	No Message	B.2.4-5b	0.000233	0.000233
CB	B574	939	V(40x45)	3.3	No Message	B.2.4-5b	0.000233	0.000233
CB	B574	939	V(40x45)	3.3	No Message	B.2.4-5b	0.000285	0.000285
CB	B574	939	V(40x45)	3.79	No Message	B.2.4-5b	0.000285	0.000285
CB	B574	939	V(40x45)	4.28	No Message	B.2.4-5b	0.000285	0.000285
CB	B574	939	V(40x45)	4.77	No Message	B.2.4-7b	0.000291	0.000291
CB	B574	939	V(40x45)	5.26	No Message	B.2.4-5b	0.000532	0.000532
CB	B574	939	V(40x45)	5.75	No Message	B.2.4-5b	0.000536	0.000598

Table: Concrete Beam Design Summary - ACI 318-08, Part 2 of 4

Table: Concrete Beam Design Summary - ACI 318-08, Part 2 of 4

Story	Label	UniqueName	Station	AsBotCombo	AsMinBot	AsBot	VCombo	VRebar
Unitless	Unitless	Unitless	m	Unitless	m²	m²	Unitless	m²/m
CB	B1	687	0.25	B.2.4-7b	0.000388	0.000388	B.2.4-5b	0.00042
CB	B1	687	0.70909	B.2.4-7b	0.000339	0.000339	B.2.4-5b	0.0004
CB	B1	687	1.16818	B.2.4-7b	0.000284	0.000284	B.2.4-5b	0.00038
CB	B1	687	1.62727	B.2.4-5b	0.000224	0.000224	B.2.4-5b	0.00036
CB	B1	687	2.08636	B.2.4-5b	0.000197	0.000197	B.2.4-5b	0.00034
CB	B1	687	2.54545	B.2.4-5b	0.000197	0.000197	B.2.4-7b	0.00033
CB	B1	687	3.00455	B.2.4-5b	0.000197	0.000197	B.2.4-7b	0.00033
CB	B1	687	3.46364	B.2.4-5b	0.000197	0.000197	B.2.4-5b	0.00034
CB	B1	687	3.92273	B.2.4-5b	0.000197	0.000197	B.2.4-5b	0.00036
CB	B1	687	4.38182	B.2.4-5b	0.000197	0.000197	B.2.4-5b	0.00038
CB	B1	687	4.84091	B.2.4-7b	0.000205	0.000205	B.2.4-5b	0.0004
CB	B1	687	5.3	B.2.4-5b	0.000357	0.000357	B.2.4-5b	0.00042
CB	B2	691	0.3	B.2.4-5b	0.000469	0.000469	B.2.4-4b	0.00033
CB	B2	691	0.42167	B.2.4-5b	0.000209	0.000209	B.2.4-4b	0.00033
CB	B2	691	0.42167	B.2.4-5b	0.000212	0.000212	B.2.4-4b	0.00033

Table: Concrete Beam Design Summary - ACI 318-08, Part 2 of 4

Story	Label	UniqueName	Station	AsBotCombo	AsMinBot	AsBot	VCombo	VRebar
Unitless	Unitless	Unitless	m	Unitless	m²	m²	Unitless	m²/m
CB	B2	691	0.84333	B.2.4-5b	0.000212	0.000212	B.2.4-4b	0.00033
CB	B2	691	0.84333	B.2.4-5b	0.000211	0.000211	B.2.4-4b	0.00033
CB	B2	691	1.265	B.2.4-5b	0.000211	0.000211	B.2.4-4b	0.00033
CB	B2	691	1.265	B.2.4-5b	0.000206	0.000206	B.2.4-4b	0.00033
CB	B2	691	1.68667	B.2.4-5b	0.000307	0.000307	B.2.4-4b	0.00033
CB	B2	691	1.68667	B.2.4-5b	0.000314	0.000314	B.2.4-4b	0.00033
CB	B2	691	2.10833	B.2.4-5b	0.000477	0.000477	B.2.4-4b	0.00033
CB	B2	691	2.10833	B.2.4-5b	0.00048	0.00048	B.2.4-4b	0.00033
CB	B2	691	2.53	B.2.4-5b	0.000603	0.000603	B.2.4-4b	0.00033
CB	B2	691	2.53	B.2.4-3b	0.000603	0.000641	B.2.4-7b	0
CB	B2	691	2.99417	B.2.4-5b	0.000603	0.000603	B.2.4-7b	0
CB	B2	691	3.45833	B.2.4-4b	0.000603	0.000603	B.2.4-7b	0
CB	B2	691	3.9225	B.2.4-3b	0.000575	0.000575	B.2.4-7b	0
CB	B2	691	4.38667	B.2.4-3b	0.000462	0.000462	B.2.4-7b	0
CB	B2	691	4.85083	B.2.4-3b	0.000341	0.000341	B.2.4-5b	0.00033
CB	B2	691	5.315	B.2.4-5b	0.000233	0.000233	B.2.4-5b	0.00033
CB	B2	691	5.77917	B.2.4-3b	0.000195	0.000195	B.2.4-5b	0.00033
CB	B2	691	6.24333	B.2.4-3b	0.000195	0.000195	B.2.4-5b	0.00033
CB	B2	691	6.7075	B.2.4-3b	0.000195	0.000195	B.2.4-7b	0.00033
CB	B2	691	7.17167	B.2.4-3b	0.000195	0.000195	B.2.4-7b	0.00033
CB	B2	691	7.63583	B.2.4-3b	0.000195	0.000195	B.2.4-7b	0.00033
CB	B2	691	8.1	B.2.4-5b	0.000422	0.000422	B.2.4-7b	0.00033
CB	B5	719	0.25	B.2.4-7b	0.000426	0.000426	B.2.4-5b	0.00044
CB	B5	719	0.69375	B.2.4-7b	0.000373	0.000373	B.2.4-5b	0.00042
CB	B5	719	1.1375	B.2.4-5b	0.000321	0.000321	B.2.4-5b	0.0004
CB	B5	719	1.58125	B.2.4-5b	0.000261	0.000261	B.2.4-5b	0.00038
CB	B5	719	2.025	B.2.4-5b	0.000193	0.000193	B.2.4-7b	0.00036
CB	B5	719	2.46875	B.2.4-5b	0.00016	0.00016	B.2.4-5b	0.00038
CB	B5	719	2.9125	B.2.4-5b	0.00016	0.00016	B.2.4-5b	0.0004
CB	B5	719	3.35625	B.2.4-5b	0.000221	0.000221	B.2.4-5b	0.00042
CB	B5	719	3.8	B.2.4-5b	0.000278	0.000278	B.2.4-5b	0.00044
CB	B6	723	0.25	B.2.4-7b	0.000417	0.000417	B.2.4-5b	0.00043
CB	B6	723	0.70909	B.2.4-5b	0.000367	0.000367	B.2.4-5b	0.00041
CB	B6	723	1.16818	B.2.4-5b	0.000309	0.000309	B.2.4-5b	0.00039
CB	B6	723	1.62727	B.2.4-5b	0.000242	0.000242	B.2.4-5b	0.00037
CB	B6	723	2.08636	B.2.4-5b	0.000203	0.000203	B.2.4-5b	0.00035
CB	B6	723	2.54545	B.2.4-5b	0.000203	0.000203	B.2.4-5b	0.00034
CB	B6	723	3.00455	B.2.4-5b	0.000203	0.000203	B.2.4-5b	0.00034
CB	B6	723	3.46364	B.2.4-5b	0.000203	0.000203	B.2.4-5b	0.00035
CB	B6	723	3.92273	B.2.4-5b	0.000203	0.000203	B.2.4-5b	0.00037
CB	B6	723	4.38182	B.2.4-5b	0.000203	0.000203	B.2.4-5b	0.00039
CB	B6	723	4.84091	B.2.4-7b	0.000211	0.000211	B.2.4-5b	0.00041
CB	B6	723	5.3	B.2.4-5b	0.000373	0.000373	B.2.4-5b	0.00043
CB	B7	727	0.3	B.2.4-5b	0.000498	0.000498	B.2.4-4b	0.00033
CB	B7	727	0.42167	B.2.4-5b	0.000233	0.000233	B.2.4-4b	0.00033
CB	B7	727	0.42167	B.2.4-5b	0.000231	0.000231	B.2.4-4b	0.00033
CB	B7	727	0.84333	B.2.4-5b	0.000231	0.000231	B.2.4-4b	0.00033
CB	B7	727	0.84333	B.2.4-5b	0.000226	0.000226	B.2.4-4b	0.00033

Table: Concrete Beam Design Summary - ACI 318-08, Part 2 of 4

Story	Label	UniqueName	Station	AsBotCombo	AsMinBot	AsBot	VCombo	VRebar
Unitless	Unitless	Unitless	m	Unitless	m²	m²	Unitless	m²/m
CB	B7	727	1.265	B.2.4-5b	0.000226	0.000226	B.2.4-4b	0.00033
CB	B7	727	1.265	B.2.4-5b	0.000219	0.000219	B.2.4-4b	0.00033
CB	B7	727	1.68667	B.2.4-5b	0.000336	0.000336	B.2.4-4b	0.00033
CB	B7	727	1.68667	B.2.4-5b	0.00034	0.00034	B.2.4-4b	0.00033
CB	B7	727	2.10833	B.2.4-5b	0.000508	0.000508	B.2.4-4b	0.00033
CB	B7	727	2.10833	B.2.4-5b	0.000507	0.000507	B.2.4-4b	0.00033
CB	B7	727	2.53	B.2.4-5b	0.000603	0.000603	B.2.4-4b	0.00033
CB	B7	727	2.53	B.2.4-3b	0.000603	0.000686	B.2.4-7b	0
CB	B7	727	2.99417	B.2.4-3b	0.000603	0.000618	B.2.4-7b	0
CB	B7	727	3.45833	B.2.4-4b	0.000603	0.000603	B.2.4-7b	0
CB	B7	727	3.9225	B.2.4-3b	0.000603	0.000603	B.2.4-7b	0
CB	B7	727	4.38667	B.2.4-3b	0.000493	0.000493	B.2.4-5b	0.00033
CB	B7	727	4.85083	B.2.4-3b	0.000365	0.000365	B.2.4-5b	0.00033
CB	B7	727	5.315	B.2.4-5b	0.000253	0.000253	B.2.4-5b	0.00033
CB	B7	727	5.77917	B.2.4-3b	0.000208	0.000208	B.2.4-5b	0.00033
CB	B7	727	6.24333	B.2.4-3b	0.000208	0.000208	B.2.4-7b	0.00033
CB	B7	727	6.7075	B.2.4-3b	0.000208	0.000208	B.2.4-7b	0.00033
CB	B7	727	7.17167	B.2.4-3b	0.000208	0.000208	B.2.4-7b	0.00033
CB	B7	727	7.63583	B.2.4-3b	0.000208	0.000208	B.2.4-7b	0.00033
CB	B7	727	8.1	B.2.4-5b	0.000452	0.000452	B.2.4-7b	0.00033
CB	B10	739	0.25	B.2.4-7b	0.000526	0.000526	B.2.4-5b	0.00047
CB	B10	739	0.69375	B.2.4-7b	0.000458	0.000458	B.2.4-5b	0.00045
CB	B10	739	1.1375	B.2.4-5b	0.000386	0.000386	B.2.4-5b	0.00043
CB	B10	739	1.58125	B.2.4-5b	0.000312	0.000312	B.2.4-5b	0.00041
CB	B10	739	2.025	B.2.4-5b	0.00023	0.00023	B.2.4-7b	0.00039
CB	B10	739	2.46875	B.2.4-5b	0.000194	0.000194	B.2.4-5b	0.00041
CB	B10	739	2.9125	B.2.4-5b	0.000194	0.000194	B.2.4-5b	0.00043
CB	B10	739	3.35625	B.2.4-5b	0.000256	0.000256	B.2.4-5b	0.00045
CB	B10	739	3.8	B.2.4-5b	0.000331	0.000331	B.2.4-5b	0.00047
CB	B12	747	0.3	B.2.4-5b	0.000487	0.000487	B.2.4-4b	0.00033
CB	B12	747	0.42167	B.2.4-5b	0.00021	0.00021	B.2.4-4b	0.00033
CB	B12	747	0.42167	B.2.4-5b	0.000215	0.000215	B.2.4-4b	0.00033
CB	B12	747	0.84333	B.2.4-5b	0.000215	0.000215	B.2.4-4b	0.00033
CB	B12	747	0.84333	B.2.4-5b	0.000216	0.000216	B.2.4-4b	0.00033
CB	B12	747	1.265	B.2.4-7b	0.000223	0.000223	B.2.4-4b	0.00033
CB	B12	747	1.265	B.2.4-7b	0.000228	0.000228	B.2.4-4b	0.00033
CB	B12	747	1.68667	B.2.4-5b	0.000402	0.000402	B.2.4-4b	0.00033
CB	B12	747	1.68667	B.2.4-5b	0.000407	0.000407	B.2.4-4b	0.00033
CB	B12	747	2.10833	B.2.4-5b	0.000567	0.000567	B.2.4-4b	0.00033
CB	B12	747	2.10833	B.2.4-5b	0.000569	0.000569	B.2.4-4b	0.00033
CB	B12	747	2.53	B.2.4-5b	0.000603	0.000603	B.2.4-4b	0.00033
CB	B12	747	2.53	B.2.4-3b	0.000603	0.000705	B.2.4-7b	0
CB	B12	747	2.99417	B.2.4-3b	0.000603	0.000631	B.2.4-7b	0
CB	B12	747	3.45833	B.2.4-5b	0.000603	0.000603	B.2.4-7b	0
CB	B12	747	3.9225	B.2.4-3b	0.000603	0.000603	B.2.4-5b	0.00033
CB	B12	747	4.38667	B.2.4-3b	0.000487	0.000487	B.2.4-5b	0.00033
CB	B12	747	4.85083	B.2.4-3b	0.000351	0.000351	B.2.4-5b	0.00033
CB	B12	747	5.315	B.2.4-5b	0.000242	0.000242	B.2.4-5b	0.00033

Table: Concrete Beam Design Summary - ACI 318-08, Part 2 of 4

Story	Label	UniqueName	Station	AsBotCombo	AsMinBot	AsBot	VCombo	VRebar
Unitless	Unitless	Unitless	m	Unitless	m²	m²	Unitless	m²/m
CB	B12	747	5.77917	B.2.4-5b	0.00021	0.00021	B.2.4-7b	0.00033
CB	B12	747	6.24333	B.2.4-5b	0.00021	0.00021	B.2.4-7b	0.00033
CB	B12	747	6.7075	B.2.4-5b	0.00021	0.00021	B.2.4-7b	0.00033
CB	B12	747	7.17167	B.2.4-5b	0.00021	0.00021	B.2.4-7b	0.00033
CB	B12	747	7.63583	B.2.4-5b	0.00021	0.00021	B.2.4-7b	0.00033
CB	B12	747	8.1	B.2.4-5b	0.000484	0.000484	B.2.4-7b	0.00033
CB	B15	759	0.25	B.2.4-7b	0.000536	0.000536	B.2.4-5b	0.00052
CB	B15	759	0.69375	B.2.4-7b	0.000536	0.000536	B.2.4-5b	0.00051
CB	B15	759	1.1375	B.2.4-5b	0.000475	0.000475	B.2.4-5b	0.00049
CB	B15	759	1.58125	B.2.4-5b	0.000372	0.000372	B.2.4-5b	0.00047
CB	B15	759	2.025	B.2.4-5b	0.000263	0.000263	B.2.4-7b	0.00045
CB	B15	759	2.46875	B.2.4-5b	0.000234	0.000234	B.2.4-5b	0.00047
CB	B15	759	2.9125	B.2.4-5b	0.000234	0.000234	B.2.4-5b	0.00049
CB	B15	759	3.35625	B.2.4-5b	0.00031	0.00031	B.2.4-5b	0.00051
CB	B15	759	3.8	B.2.4-5b	0.000411	0.000411	B.2.4-5b	0.00052
CB	B17	767	0.3	B.2.4-5b	0.000458	0.000458	B.2.4-4b	0.00033
CB	B17	767	0.42167	B.2.4-5b	0.000202	0.000202	B.2.4-4b	0.00033
CB	B17	767	0.42167	B.2.4-5b	0.000205	0.000205	B.2.4-4b	0.00033
CB	B17	767	0.84333	B.2.4-5b	0.000205	0.000205	B.2.4-4b	0.00033
CB	B17	767	0.84333	B.2.4-5b	0.000204	0.000204	B.2.4-4b	0.00033
CB	B17	767	1.265	B.2.4-7b	0.000239	0.000239	B.2.4-4b	0.00033
CB	B17	767	1.265	B.2.4-7b	0.000242	0.000242	B.2.4-4b	0.00033
CB	B17	767	1.68667	B.2.4-5b	0.000391	0.000391	B.2.4-4b	0.00033
CB	B17	767	1.68667	B.2.4-5b	0.000392	0.000392	B.2.4-4b	0.00033
CB	B17	767	2.10833	B.2.4-5b	0.000524	0.000524	B.2.4-3b	0.00033
CB	B17	767	2.10833	B.2.4-5b	0.00052	0.00052	B.2.4-7b	3E-05
CB	B17	767	2.53	B.2.4-5b	0.000603	0.000603	B.2.4-7b	3E-05
CB	B17	767	2.53	B.2.4-5b	0.000603	0.000603	B.2.4-7b	0
CB	B17	767	2.99417	B.2.4-5b	0.000603	0.000603	B.2.4-7b	0
CB	B17	767	3.45833	B.2.4-3b	0.0006	0.0006	B.2.4-7b	0
CB	B17	767	3.9225	B.2.4-3b	0.000501	0.000501	B.2.4-7b	0
CB	B17	767	4.38667	B.2.4-3b	0.000392	0.000392	B.2.4-7b	0
CB	B17	767	4.85083	B.2.4-3b	0.000274	0.000274	B.2.4-7b	0
CB	B17	767	5.315	B.2.4-5b	0.000191	0.000191	B.2.4-5b	0.00033
CB	B17	767	5.77917	B.2.4-5b	0.000173	0.000173	B.2.4-5b	0.00033
CB	B17	767	6.24333	B.2.4-5b	0.000173	0.000173	B.2.4-5b	0.00033
CB	B17	767	6.7075	B.2.4-5b	0.000173	0.000173	B.2.4-5b	0.00033
CB	B17	767	7.17167	B.2.4-5b	0.000173	0.000173	B.2.4-7b	0.00033
CB	B17	767	7.63583	B.2.4-5b	0.000173	0.000173	B.2.4-7b	0.00033
CB	B17	767	8.1	B.2.4-5b	0.000432	0.000432	B.2.4-7b	0.00033
CB	B20	779	0.25	B.2.4-7b	0.000536	0.000536	B.2.4-5b	0.00052
CB	B20	779	0.69375	B.2.4-7b	0.000475	0.000475	B.2.4-5b	0.0005
CB	B20	779	1.1375	B.2.4-5b	0.000371	0.000371	B.2.4-5b	0.00049
CB	B20	779	1.58125	B.2.4-5b	0.000266	0.000266	B.2.4-5b	0.00047
CB	B20	779	2.025	B.2.4-5b	0.000181	0.000181	B.2.4-7b	0.00045
CB	B20	779	2.46875	B.2.4-5b	0.000181	0.000181	B.2.4-5b	0.00047
CB	B20	779	2.9125	B.2.4-5b	0.000231	0.000231	B.2.4-5b	0.00049
CB	B20	779	3.35625	B.2.4-5b	0.000336	0.000336	B.2.4-5b	0.0005

Table: Concrete Beam Design Summary - ACI 318-08, Part 2 of 4

Story	Label	UniqueName	Station	AsBotCombo	AsMinBot	AsBot	VCombo	VRebar
Unitless	Unitless	Unitless	m	Unitless	m²	m²	Unitless	m²/m
CB	B20	779	3.8	B.2.4-7b	0.00044	0.00044	B.2.4-5b	0.00052
CB	B21	783	0.25	B.2.4-5b	0.000499	0.000499	B.2.4-5b	0.00046
CB	B21	783	0.70909	B.2.4-5b	0.000431	0.000431	B.2.4-5b	0.00044
CB	B21	783	1.16818	B.2.4-5b	0.000354	0.000354	B.2.4-5b	0.00042
CB	B21	783	1.62727	B.2.4-5b	0.000267	0.000267	B.2.4-5b	0.00041
CB	B21	783	2.08636	B.2.4-5b	0.000226	0.000226	B.2.4-5b	0.00039
CB	B21	783	2.54545	B.2.4-5b	0.000226	0.000226	B.2.4-5b	0.00037
CB	B21	783	3.00455	B.2.4-5b	0.000226	0.000226	B.2.4-5b	0.00037
CB	B21	783	3.46364	B.2.4-5b	0.000226	0.000226	B.2.4-5b	0.00039
CB	B21	783	3.92273	B.2.4-5b	0.000226	0.000226	B.2.4-5b	0.00041
CB	B21	783	4.38182	B.2.4-5b	0.000226	0.000226	B.2.4-5b	0.00042
CB	B21	783	4.84091	B.2.4-7b	0.000251	0.000251	B.2.4-5b	0.00044
CB	B21	783	5.3	B.2.4-5b	0.000426	0.000426	B.2.4-5b	0.00046
CB	B22	787	0.3	B.2.4-5b	0.000553	0.000553	B.2.4-4b	0.00033
CB	B22	787	0.42167	B.2.4-5b	0.000268	0.000268	B.2.4-4b	0.00033
CB	B22	787	0.42167	B.2.4-5b	0.000263	0.000263	B.2.4-4b	0.00033
CB	B22	787	0.84333	B.2.4-5b	0.000263	0.000263	B.2.4-4b	0.00033
CB	B22	787	0.84333	B.2.4-5b	0.000256	0.000256	B.2.4-4b	0.00033
CB	B22	787	1.265	B.2.4-5b	0.000256	0.000256	B.2.4-4b	0.00033
CB	B22	787	1.265	B.2.4-5b	0.000247	0.000247	B.2.4-4b	0.00033
CB	B22	787	1.68667	B.2.4-5b	0.000404	0.000404	B.2.4-4b	0.00033
CB	B22	787	1.68667	B.2.4-5b	0.000407	0.000407	B.2.4-4b	0.00033
CB	B22	787	2.10833	B.2.4-5b	0.000574	0.000574	B.2.4-4b	0.00033
CB	B22	787	2.10833	B.2.4-5b	0.000572	0.000572	B.2.4-4b	0.00033
CB	B22	787	2.53	B.2.4-5b	0.000603	0.000603	B.2.4-4b	0.00033
CB	B22	787	2.53	B.2.4-3b	0.000603	0.000708	B.2.4-7b	0
CB	B22	787	2.99417	B.2.4-3b	0.000603	0.000638	B.2.4-7b	0
CB	B22	787	3.45833	B.2.4-5b	0.000603	0.000603	B.2.4-5b	0.00033
CB	B22	787	3.9225	B.2.4-3b	0.000603	0.000603	B.2.4-5b	0.00033
CB	B22	787	4.38667	B.2.4-3b	0.000512	0.000512	B.2.4-5b	0.00033
CB	B22	787	4.85083	B.2.4-3b	0.000382	0.000382	B.2.4-5b	0.00033
CB	B22	787	5.315	B.2.4-5b	0.000315	0.000315	B.2.4-7b	0.00033
CB	B22	787	5.77917	B.2.4-7b	0.000258	0.000258	B.2.4-7b	0.00033
CB	B22	787	6.24333	B.2.4-5b	0.000249	0.000249	B.2.4-7b	0.00033
CB	B22	787	6.7075	B.2.4-5b	0.000249	0.000249	B.2.4-7b	0.00033
CB	B22	787	7.17167	B.2.4-5b	0.000249	0.000249	B.2.4-7b	0.00033
CB	B22	787	7.63583	B.2.4-5b	0.000249	0.000249	B.2.4-7b	0.00033
CB	B22	787	8.1	B.2.4-5b	0.000522	0.000522	B.2.4-7b	0.00033
CB	B24	795	0.25	B.2.4-7b	0.000414	0.000414	B.2.4-5b	0.00043
CB	B24	795	0.70909	B.2.4-7b	0.000356	0.000356	B.2.4-5b	0.00041
CB	B24	795	1.16818	B.2.4-7b	0.000291	0.000291	B.2.4-5b	0.00039
CB	B24	795	1.62727	B.2.4-7b	0.000219	0.000219	B.2.4-5b	0.00037
CB	B24	795	2.08636	B.2.4-5b	0.000198	0.000198	B.2.4-5b	0.00035
CB	B24	795	2.54545	B.2.4-5b	0.000198	0.000198	B.2.4-7b	0.00033
CB	B24	795	3.00455	B.2.4-5b	0.000198	0.000198	B.2.4-7b	0.00033
CB	B24	795	3.46364	B.2.4-5b	0.000198	0.000198	B.2.4-5b	0.00035
CB	B24	795	3.92273	B.2.4-5b	0.000198	0.000198	B.2.4-5b	0.00037
CB	B24	795	4.38182	B.2.4-7b	0.000199	0.000199	B.2.4-5b	0.00039

Table: Concrete Beam Design Summary - ACI 318-08, Part 2 of 4

Story	Label	UniqueName	Station	AsBotCombo	AsMinBot	AsBot	VCombo	VRebar
Unitless	Unitless	Unitless	m	Unitless	m²	m²	Unitless	m²/m
CB	B24	795	4.84091	B.2.4-7b	0.000237	0.000237	B.2.4-5b	0.00041
CB	B24	795	5.3	B.2.4-5b	0.000379	0.000379	B.2.4-5b	0.00043
CB	B25	799	0.3	B.2.4-5b	0.000499	0.000499	B.2.4-4b	0.00033
CB	B25	799	0.42167	B.2.4-5b	0.000225	0.000225	B.2.4-4b	0.00033
CB	B25	799	0.42167	B.2.4-5b	0.000226	0.000226	B.2.4-4b	0.00033
CB	B25	799	0.84333	B.2.4-5b	0.000226	0.000226	B.2.4-4b	0.00033
CB	B25	799	0.84333	B.2.4-5b	0.000223	0.000223	B.2.4-4b	0.00033
CB	B25	799	1.265	B.2.4-5b	0.000223	0.000223	B.2.4-4b	0.00033
CB	B25	799	1.265	B.2.4-5b	0.000218	0.000218	B.2.4-4b	0.00033
CB	B25	799	1.68667	B.2.4-5b	0.000358	0.000358	B.2.4-4b	0.00033
CB	B25	799	1.68667	B.2.4-5b	0.000364	0.000364	B.2.4-4b	0.00033
CB	B25	799	2.10833	B.2.4-5b	0.000524	0.000524	B.2.4-4b	0.00033
CB	B25	799	2.10833	B.2.4-5b	0.000525	0.000525	B.2.4-4b	0.00033
CB	B25	799	2.53	B.2.4-5b	0.000603	0.000603	B.2.4-4b	0.00033
CB	B25	799	2.53	B.2.4-3b	0.000603	0.000675	B.2.4-7b	0
CB	B25	799	2.99417	B.2.4-3b	0.000603	0.000606	B.2.4-7b	0
CB	B25	799	3.45833	B.2.4-4b	0.000603	0.000603	B.2.4-7b	0
CB	B25	799	3.9225	B.2.4-3b	0.000596	0.000596	B.2.4-5b	0.00033
CB	B25	799	4.38667	B.2.4-3b	0.000476	0.000476	B.2.4-5b	0.00033
CB	B25	799	4.85083	B.2.4-3b	0.000346	0.000346	B.2.4-5b	0.00033
CB	B25	799	5.315	B.2.4-5b	0.000265	0.000265	B.2.4-5b	0.00033
CB	B25	799	5.77917	B.2.4-7b	0.00022	0.00022	B.2.4-7b	0.00033
CB	B25	799	6.24333	B.2.4-5b	0.000212	0.000212	B.2.4-7b	0.00033
CB	B25	799	6.7075	B.2.4-5b	0.000212	0.000212	B.2.4-7b	0.00033
CB	B25	799	7.17167	B.2.4-5b	0.000212	0.000212	B.2.4-7b	0.00033
CB	B25	799	7.63583	B.2.4-5b	0.000212	0.000212	B.2.4-7b	0.00033
CB	B25	799	8.1	B.2.4-5b	0.000482	0.000482	B.2.4-7b	0.00033
CB	B27	807	0.25	B.2.4-5b	0.000505	0.000505	B.2.4-5b	0.00046
CB	B27	807	0.70909	B.2.4-5b	0.000445	0.000445	B.2.4-5b	0.00044
CB	B27	807	1.16818	B.2.4-5b	0.000376	0.000376	B.2.4-5b	0.00042
CB	B27	807	1.62727	B.2.4-5b	0.000298	0.000298	B.2.4-5b	0.0004
CB	B27	807	2.08636	B.2.4-5b	0.000233	0.000233	B.2.4-5b	0.00038
CB	B27	807	2.54545	B.2.4-5b	0.000233	0.000233	B.2.4-5b	0.00036
CB	B27	807	3.00455	B.2.4-5b	0.000233	0.000233	B.2.4-5b	0.00036
CB	B27	807	3.46364	B.2.4-5b	0.000233	0.000233	B.2.4-5b	0.00038
CB	B27	807	3.92273	B.2.4-5b	0.000233	0.000233	B.2.4-5b	0.0004
CB	B27	807	4.38182	B.2.4-5b	0.000233	0.000233	B.2.4-5b	0.00042
CB	B27	807	4.84091	B.2.4-7b	0.000238	0.000238	B.2.4-5b	0.00044
CB	B27	807	5.3	B.2.4-5b	0.000415	0.000415	B.2.4-5b	0.00046
CB	B28	811	0.3	B.2.4-5b	0.000521	0.000521	B.2.4-4b	0.00033
CB	B28	811	0.42167	B.2.4-5b	0.00025	0.00025	B.2.4-4b	0.00033
CB	B28	811	0.42167	B.2.4-5b	0.000245	0.000245	B.2.4-4b	0.00033
CB	B28	811	0.84333	B.2.4-5b	0.000245	0.000245	B.2.4-4b	0.00033
CB	B28	811	0.84333	B.2.4-5b	0.000237	0.000237	B.2.4-4b	0.00033
CB	B28	811	1.265	B.2.4-5b	0.000237	0.000237	B.2.4-4b	0.00033
CB	B28	811	1.265	B.2.4-5b	0.000228	0.000228	B.2.4-4b	0.00033
CB	B28	811	1.68667	B.2.4-5b	0.000347	0.000347	B.2.4-4b	0.00033
CB	B28	811	1.68667	B.2.4-5b	0.000353	0.000353	B.2.4-4b	0.00033

Table: Concrete Beam Design Summary - ACI 318-08, Part 2 of 4

Story	Label	UniqueName	Station	AsBotCombo	AsMinBot	AsBot	VCombo	VRebar
Unitless	Unitless	Unitless	m	Unitless	m²	m²	Unitless	m²/m
CB	B28	811	2.10833	B.2.4-5b	0.000523	0.000523	B.2.4-4b	0.00033
CB	B28	811	2.10833	B.2.4-5b	0.000527	0.000527	B.2.4-4b	0.00033
CB	B28	811	2.53	B.2.4-5b	0.000603	0.000603	B.2.4-4b	0.00033
CB	B28	811	2.53	B.2.4-3b	0.000603	0.000684	B.2.4-7b	0
CB	B28	811	2.99417	B.2.4-3b	0.000603	0.000617	B.2.4-7b	0
CB	B28	811	3.45833	B.2.4-5b	0.000603	0.000603	B.2.4-7b	0
CB	B28	811	3.9225	B.2.4-3b	0.000603	0.000603	B.2.4-5b	0.00033
CB	B28	811	4.38667	B.2.4-3b	0.000495	0.000495	B.2.4-5b	0.00033
CB	B28	811	4.85083	B.2.4-2	0.000369	0.000369	B.2.4-5b	0.00033
CB	B28	811	5.315	B.2.4-5b	0.000288	0.000288	B.2.4-5b	0.00033
CB	B28	811	5.77917	B.2.4-7b	0.00023	0.00023	B.2.4-7b	0.00033
CB	B28	811	6.24333	B.2.4-5b	0.000228	0.000228	B.2.4-7b	0.00033
CB	B28	811	6.7075	B.2.4-5b	0.000228	0.000228	B.2.4-7b	0.00033
CB	B28	811	7.17167	B.2.4-5b	0.000228	0.000228	B.2.4-7b	0.00033
CB	B28	811	7.63583	B.2.4-5b	0.000228	0.000228	B.2.4-7b	0.00033
CB	B28	811	8.1	B.2.4-5b	0.000478	0.000478	B.2.4-7b	0.00033
CB	B30	819	0.25	B.2.4-5b	0.000353	0.000353	B.2.4-7b	0.00022
CB	B30	819	0.42167	B.2.4-5b	0.000185	0.000185	B.2.4-7b	0.00021
CB	B30	819	0.42167	B.2.4-5b	0.000186	0.000186	B.2.4-7b	0.0002
CB	B30	819	0.84333	B.2.4-7b	0.000237	0.000237	B.2.4-7b	0.00019
CB	B30	819	0.84333	B.2.4-7b	0.000238	0.000238	B.2.4-7b	0.00017
CB	B30	819	1.265	B.2.4-5b	0.000318	0.000318	B.2.4-7b	0.00016
CB	B30	819	1.265	B.2.4-5b	0.000323	0.000323	B.2.4-3b	0.00033
CB	B30	819	1.68667	B.2.4-5b	0.000416	0.000416	B.2.4-3b	0.00033
CB	B30	819	1.68667	B.2.4-5b	0.000421	0.000421	B.2.4-7b	0
CB	B30	819	2.10833	B.2.4-5b	0.000496	0.000496	B.2.4-7b	0
CB	B30	819	2.10833	B.2.4-5b	0.000497	0.000497	B.2.4-7b	2E-05
CB	B30	819	2.53	B.2.4-5b	0.000558	0.000558	B.2.4-7b	2E-05
CB	B30	819	2.53	B.2.4-5b	0.000603	0.000603	B.2.4-7b	0.00033
CB	B30	819	2.99833	B.2.4-5b	0.000584	0.000584	B.2.4-7b	0.00033
CB	B30	819	3.46667	B.2.4-3b	0.000508	0.000508	B.2.4-7b	0.00033
CB	B30	819	3.935	B.2.4-3b	0.000448	0.000448	B.2.4-7b	0.00033
CB	B30	819	4.40333	B.2.4-3b	0.000378	0.000378	B.2.4-7b	0.00033
CB	B30	819	4.87167	B.2.4-5b	0.000309	0.000309	B.2.4-7b	0.00033
CB	B30	819	5.34	B.2.4-5b	0.000294	0.000294	B.2.4-7b	0.00033
CB	B30	819	5.80833	B.2.4-5b	0.000268	0.000268	B.2.4-7b	0.00033
CB	B30	819	6.27667	B.2.4-7b	0.000243	0.000243	B.2.4-7b	0.00033
CB	B30	819	6.745	B.2.4-7b	0.000227	0.000227	B.2.4-7b	0.00033
CB	B30	819	7.21333	B.2.4-7b	0.000203	0.000203	B.2.4-7b	0.00033
CB	B30	819	7.68167	B.2.4-5b	0.000202	0.000202	B.2.4-7b	0.00033
CB	B30	819	8.15	B.2.4-5b	0.000418	0.000418	B.2.4-7b	0.00033
CB	B31	823	0.25	B.2.4-5b	0.000441	0.000441	B.2.4-5b	0.00044
CB	B31	823	0.70909	B.2.4-5b	0.000391	0.000391	B.2.4-5b	0.00042
CB	B31	823	1.16818	B.2.4-5b	0.000333	0.000333	B.2.4-5b	0.0004
CB	B31	823	1.62727	B.2.4-5b	0.000265	0.000265	B.2.4-5b	0.00038
CB	B31	823	2.08636	B.2.4-5b	0.000216	0.000216	B.2.4-5b	0.00036
CB	B31	823	2.54545	B.2.4-5b	0.000216	0.000216	B.2.4-5b	0.00034
CB	B31	823	3.00455	B.2.4-5b	0.000216	0.000216	B.2.4-5b	0.00034

Table: Concrete Beam Design Summary - ACI 318-08, Part 2 of 4

Story	Label	UniqueName	Station	AsBotCombo	AsMinBot	AsBot	VCombo	VRebar
Unitless	Unitless	Unitless	m	Unitless	m²	m²	Unitless	m²/m
CB	B31	823	3.46364	B.2.4-5b	0.000216	0.000216	B.2.4-5b	0.00036
CB	B31	823	3.92273	B.2.4-5b	0.000216	0.000216	B.2.4-5b	0.00038
CB	B31	823	4.38182	B.2.4-5b	0.000216	0.000216	B.2.4-5b	0.0004
CB	B31	823	4.84091	B.2.4-5b	0.000216	0.000216	B.2.4-5b	0.00042
CB	B31	823	5.3	B.2.4-5b	0.000384	0.000384	B.2.4-5b	0.00044
CB	B32	827	0.3	B.2.4-5b	0.000527	0.000527	B.2.4-6b	0.00033
CB	B32	827	0.42167	B.2.4-5b	0.000233	0.000233	B.2.4-6b	0.00033
CB	B32	827	0.42167	B.2.4-5b	0.000235	0.000235	B.2.4-4b	0.00033
CB	B32	827	0.84333	B.2.4-5b	0.000235	0.000235	B.2.4-4b	0.00033
CB	B32	827	0.84333	B.2.4-5b	0.000241	0.000241	B.2.4-4b	0.00033
CB	B32	827	1.265	B.2.4-5b	0.000241	0.000241	B.2.4-4b	0.00033
CB	B32	827	1.265	B.2.4-5b	0.00025	0.00025	B.2.4-4b	0.00033
CB	B32	827	1.68667	B.2.4-5b	0.000331	0.000331	B.2.4-4b	0.00033
CB	B32	827	1.68667	B.2.4-5b	0.000359	0.000359	B.2.4-4b	0.00033
CB	B32	827	2.10833	B.2.4-5b	0.00057	0.00057	B.2.4-4b	0.00033
CB	B32	827	2.10833	B.2.4-5b	0.000594	0.000594	B.2.4-4b	0.00033
CB	B32	827	2.53	B.2.4-5b	0.000603	0.000603	B.2.4-4b	0.00033
CB	B32	827	2.53	B.2.4-5b	0.000603	0.000709	B.2.4-7b	0
CB	B32	827	2.99417	B.2.4-5b	0.000603	0.000633	B.2.4-5b	0.00033
CB	B32	827	3.45833	B.2.4-5b	0.000603	0.000603	B.2.4-5b	0.00033
CB	B32	827	3.9225	B.2.4-5b	0.000603	0.000603	B.2.4-5b	0.00033
CB	B32	827	4.38667	B.2.4-2	0.000489	0.000489	B.2.4-5b	0.00033
CB	B32	827	4.85083	B.2.4-5b	0.000405	0.000405	B.2.4-7b	0.00033
CB	B32	827	5.315	B.2.4-5b	0.000326	0.000326	B.2.4-7b	0.00033
CB	B32	827	5.77917	B.2.4-5b	0.000314	0.000314	B.2.4-7b	0.00033
CB	B32	827	6.24333	B.2.4-5b	0.000314	0.000314	B.2.4-7b	0.00033
CB	B32	827	6.7075	B.2.4-5b	0.000314	0.000314	B.2.4-7b	0.00033
CB	B32	827	7.17167	B.2.4-5b	0.000314	0.000314	B.2.4-7b	0.00033
CB	B32	827	7.63583	B.2.4-5b	0.000314	0.000314	B.2.4-7b	0.00033
CB	B32	827	8.1	B.2.4-5b	0.000486	0.000486	B.2.4-7b	0.00033
CB	B35	839	0.25	B.2.4-7b	0.000283	0.000283	B.2.4-5b	0.00037
CB	B35	839	0.69375	B.2.4-5b	0.000236	0.000236	B.2.4-5b	0.00035
CB	B35	839	1.1375	B.2.4-5b	0.000182	0.000182	B.2.4-7b	0.00033
CB	B35	839	1.58125	B.2.4-5b	0.00012	0.00012	B.2.4-7b	0.00033
CB	B35	839	2.025	B.2.4-5b	0.000103	0.000103	B.2.4-7b	0.00033
CB	B35	839	2.46875	B.2.4-5b	0.000121	0.000121	B.2.4-7b	0.00033
CB	B35	839	2.9125	B.2.4-7b	0.000178	0.000178	B.2.4-7b	0.00033
CB	B35	839	3.35625	B.2.4-7b	0.00023	0.00023	B.2.4-5b	0.00035
CB	B35	839	3.8	B.2.4-7b	0.000276	0.000276	B.2.4-5b	0.00037
CB	B37	847	0.3	B.2.4-5b	0.000603	0.000603	B.2.4-5b	0.00042
CB	B37	847	0.42167	B.2.4-5b	0.000273	0.000273	B.2.4-5b	0.00041
CB	B37	847	0.42167	B.2.4-5b	0.000312	0.000312	B.2.4-6b	0.00033
CB	B37	847	0.84333	B.2.4-5b	0.000312	0.000312	B.2.4-6b	0.00033
CB	B37	847	0.84333	B.2.4-5b	0.000352	0.000352	B.2.4-1	0.00033
CB	B37	847	1.265	B.2.4-5b	0.000352	0.000352	B.2.4-1	0.00033
CB	B37	847	1.265	B.2.4-5b	0.000393	0.000393	B.2.4-4b	0.00033
CB	B37	847	1.68667	B.2.4-5b	0.000483	0.000483	B.2.4-4b	0.00033
CB	B37	847	1.68667	B.2.4-5b	0.000547	0.000547	B.2.4-4b	0.00033

Table: Concrete Beam Design Summary - ACI 318-08, Part 2 of 4

Story	Label	UniqueName	Station	AsBotCombo	AsMinBot	AsBot	VCombo	VRebar
Unitless	Unitless	Unitless	m	Unitless	m²	m²	Unitless	m²/m
CB	B37	847	2.10833	B.2.4-7b	0.000603	0.000603	B.2.4-4b	0.00033
CB	B37	847	2.10833	B.2.4-5b	0.000603	0.000628	B.2.4-4b	0.00033
CB	B37	847	2.53	B.2.4-5b	0.000603	0.000777	B.2.4-4b	0.00033
CB	B37	847	2.53	B.2.4-5b	0.000603	0.000896	B.2.4-7b	9E-05
CB	B37	847	3.01917	B.2.4-5b	0.000603	0.000874	B.2.4-7b	9E-05
CB	B37	847	3.01917	B.2.4-5b	0.000603	0.000858	B.2.4-7b	0.0001
CB	B37	847	3.50833	B.2.4-5b	0.000603	0.000822	B.2.4-7b	0.0001
CB	B37	847	3.50833	B.2.4-5b	0.000603	0.000807	B.2.4-7b	0.00012
CB	B37	847	3.9975	B.2.4-5b	0.000603	0.000751	B.2.4-7b	0.00012
CB	B37	847	3.9975	B.2.4-5b	0.000603	0.000739	B.2.4-1	0.00011
CB	B37	847	4.48667	B.2.4-5b	0.000603	0.00066	B.2.4-7b	0.00014
CB	B37	847	4.48667	B.2.4-5b	0.000603	0.000649	B.2.4-7b	0.00033
CB	B37	847	4.97583	B.2.4-7b	0.000603	0.000603	B.2.4-7b	0.00033
CB	B37	847	4.97583	B.2.4-5b	0.000603	0.000603	B.2.4-7b	0.00033
CB	B37	847	5.465	B.2.4-5b	0.000603	0.000603	B.2.4-7b	0.00033
CB	B37	847	5.465	B.2.4-5b	0.000603	0.000603	B.2.4-7b	0.00033
CB	B37	847	5.95417	B.2.4-5b	0.000543	0.000543	B.2.4-7b	0.00033
CB	B37	847	5.95417	B.2.4-5b	0.000528	0.000528	B.2.4-7b	0.00033
CB	B37	847	6.44333	B.2.4-5b	0.000489	0.000489	B.2.4-7b	0.00033
CB	B37	847	6.44333	B.2.4-5b	0.000478	0.000478	B.2.4-7b	0.00033
CB	B37	847	6.9325	B.2.4-5b	0.000478	0.000478	B.2.4-7b	0.00033
CB	B37	847	6.9325	B.2.4-5b	0.000467	0.000467	B.2.4-1	6E-05
CB	B37	847	7.42167	B.2.4-5b	0.000467	0.000467	B.2.4-1	6E-05
CB	B37	847	7.42167	B.2.4-5b	0.000453	0.000453	B.2.4-6b	8E-05
CB	B37	847	7.91083	B.2.4-5b	0.000453	0.000453	B.2.4-5b	8E-05
CB	B37	847	7.91083	B.2.4-5b	0.00044	0.00044	B.2.4-5b	0.00012
CB	B37	847	8.1	B.2.4-7b	0.000603	0.000603	B.2.4-5b	0.00012
CB	B40	859	0.25	B.2.4-5b	0.000326	0.000326	B.2.4-7b	0.0005
CB	B40	859	0.5	B.2.4-7b	0.000322	0.000322	B.2.4-7b	0.00049
CB	B40	859	0.5	B.2.4-7b	0.000322	0.000322	B.2.4-7b	0.00047
CB	B40	859	1	B.2.4-7b	0.000328	0.000328	B.2.4-7b	0.00046
CB	B40	859	1	B.2.4-7b	0.000327	0.000327	B.2.4-7b	0.00043
CB	B40	859	1.5	B.2.4-5b	0.000357	0.000357	B.2.4-7b	0.00042
CB	B40	859	1.5	B.2.4-5b	0.000357	0.000357	B.2.4-7b	0.00039
CB	B40	859	2	B.2.4-5b	0.000355	0.000355	B.2.4-7b	0.00038
CB	B40	859	2	B.2.4-5b	0.000355	0.000355	B.2.4-7b	0.00035
CB	B40	859	2.5	B.2.4-5b	0.00032	0.00032	B.2.4-7b	0.00033
CB	B40	859	2.5	B.2.4-5b	0.00032	0.00032	B.2.4-7b	0.00033
CB	B40	859	3	B.2.4-2	0.000285	0.000285	B.2.4-7b	0.00033
CB	B40	859	3	B.2.4-2	0.000286	0.000286	B.2.4-7b	0.00033
CB	B40	859	3.5	B.2.4-5b	0.000289	0.000289	B.2.4-7b	0.00033
CB	B40	859	3.5	B.2.4-5b	0.000294	0.000294	B.2.4-7b	0.00034
CB	B40	859	4	B.2.4-5b	0.000302	0.000302	B.2.4-7b	0.00035
CB	B40	859	4	B.2.4-5b	0.000307	0.000307	B.2.4-7b	0.00038
CB	B40	859	4.5	B.2.4-5b	0.000284	0.000284	B.2.4-7b	0.00039
CB	B40	859	4.5	B.2.4-5b	0.000289	0.000289	B.2.4-7b	0.00042
CB	B40	859	5	B.2.4-7b	0.000273	0.000273	B.2.4-7b	0.00044
CB	B40	859	5	B.2.4-7b	0.000279	0.000279	B.2.4-7b	0.00046

Table: Concrete Beam Design Summary - ACI 318-08, Part 2 of 4

Story	Label	UniqueName	Station	AsBotCombo	AsMinBot	AsBot	VCombo	VRebar
Unitless	Unitless	Unitless	m	Unitless	m²	m²	Unitless	m²/m
CB	B40	859	5.5	B.2.4-7b	0.000263	0.000263	B.2.4-7b	0.00047
CB	B40	859	5.5	B.2.4-7b	0.00027	0.00027	B.2.4-7b	0.00048
CB	B40	859	5.7	B.2.4-5b	0.000428	0.000428	B.2.4-7b	0.00049
CB	B41	863	0.3	B.2.4-5b	0.000419	0.000419	B.2.4-7b	0.00052
CB	B41	863	0.5	B.2.4-7b	0.000287	0.000287	B.2.4-7b	0.00052
CB	B41	863	0.5	B.2.4-7b	0.000288	0.000288	B.2.4-7b	0.0005
CB	B41	863	1	B.2.4-7b	0.000298	0.000298	B.2.4-7b	0.00049
CB	B41	863	1	B.2.4-7b	0.000298	0.000298	B.2.4-7b	0.00047
CB	B41	863	1.5	B.2.4-5b	0.00031	0.00031	B.2.4-7b	0.00045
CB	B41	863	1.5	B.2.4-5b	0.000312	0.000312	B.2.4-7b	0.00043
CB	B41	863	2	B.2.4-5b	0.000326	0.000326	B.2.4-7b	0.00041
CB	B41	863	2	B.2.4-5b	0.000327	0.000327	B.2.4-7b	0.00039
CB	B41	863	2.5	B.2.4-5b	0.00031	0.00031	B.2.4-7b	0.00037
CB	B41	863	2.5	B.2.4-5b	0.000311	0.000311	B.2.4-7b	0.00033
CB	B41	863	2.54	B.2.4-5b	0.00031	0.00031	B.2.4-7b	0.00033
CB	B41	863	2.54	B.2.4-5b	0.00033	0.00033	B.2.4-7b	0.00033
CB	B41	863	3	B.2.4-2	0.000284	0.000284	B.2.4-7b	0.00033
CB	B41	863	3	B.2.4-2	0.000285	0.000285	B.2.4-7b	0.00033
CB	B41	863	3.5	B.2.4-5b	0.0003	0.0003	B.2.4-7b	0.00035
CB	B41	863	3.5	B.2.4-5b	0.000304	0.000304	B.2.4-7b	0.00037
CB	B41	863	4	B.2.4-5b	0.000326	0.000326	B.2.4-7b	0.00038
CB	B41	863	4	B.2.4-5b	0.000329	0.000329	B.2.4-7b	0.00041
CB	B41	863	4.5	B.2.4-5b	0.000321	0.000321	B.2.4-7b	0.00042
CB	B41	863	4.5	B.2.4-5b	0.000322	0.000322	B.2.4-7b	0.00045
CB	B41	863	5	B.2.4-7b	0.000312	0.000312	B.2.4-7b	0.00046
CB	B41	863	5	B.2.4-7b	0.000312	0.000312	B.2.4-7b	0.00048
CB	B41	863	5.5	B.2.4-7b	0.000307	0.000307	B.2.4-7b	0.0005
CB	B41	863	5.5	B.2.4-7b	0.000306	0.000306	B.2.4-7b	0.00051
CB	B41	863	5.7	B.2.4-5b	0.000426	0.000426	B.2.4-7b	0.00052
CB	B42	867	0.3	B.2.4-5b	0.000431	0.000431	B.2.4-5b	0.00062
CB	B42	867	0.5	B.2.4-7b	0.000331	0.000331	B.2.4-5b	0.00061
CB	B42	867	0.5	B.2.4-7b	0.000333	0.000333	B.2.4-5b	0.00059
CB	B42	867	1	B.2.4-7b	0.000338	0.000338	B.2.4-5b	0.00057
CB	B42	867	1	B.2.4-7b	0.000338	0.000338	B.2.4-5b	0.00054
CB	B42	867	1.5	B.2.4-5b	0.00035	0.00035	B.2.4-5b	0.00052
CB	B42	867	1.5	B.2.4-5b	0.000351	0.000351	B.2.4-5b	0.00048
CB	B42	867	2	B.2.4-5b	0.000358	0.000356	B.2.4-5b	0.00046
CB	B42	867	2	B.2.4-5b	0.000356	0.000356	B.2.4-5b	0.00042
CB	B42	867	2.5	B.2.4-5b	0.00033	0.00033	B.2.4-5b	0.0004
CB	B42	867	2.5	B.2.4-5b	0.000329	0.000329	B.2.4-5b	0.00036
CB	B42	867	3	B.2.4-5b	0.000274	0.000274	B.2.4-7b	0.00033
CB	B42	867	3	B.2.4-5b	0.000276	0.000276	B.2.4-5b	0.00034
CB	B42	867	3.5	B.2.4-5b	0.00033	0.00033	B.2.4-5b	0.00036
CB	B42	867	3.5	B.2.4-5b	0.000332	0.000332	B.2.4-5b	0.0004
CB	B42	867	4	B.2.4-5b	0.000356	0.000356	B.2.4-5b	0.00042
CB	B42	867	4	B.2.4-5b	0.000357	0.000357	B.2.4-5b	0.00046
CB	B42	867	4.5	B.2.4-5b	0.00035	0.00035	B.2.4-5b	0.00048
CB	B42	867	4.5	B.2.4-5b	0.00035	0.00035	B.2.4-5b	0.00052

Table: Concrete Beam Design Summary - ACI 318-08, Part 2 of 4

Story	Label	UniqueName	Station	AsBotCombo	AsMinBot	AsBot	VCombo	VRebar
Unitless	Unitless	Unitless	m	Unitless	m²	m²	Unitless	m²/m
CB	B42	867	5	B.2.4-7b	0.000343	0.000343	B.2.4-5b	0.00054
CB	B42	867	5	B.2.4-7b	0.000343	0.000343	B.2.4-5b	0.00057
CB	B42	867	5.5	B.2.4-7b	0.000338	0.000338	B.2.4-5b	0.00059
CB	B42	867	5.5	B.2.4-7b	0.000336	0.000336	B.2.4-5b	0.00061
CB	B42	867	5.7	B.2.4-5b	0.000445	0.000445	B.2.4-5b	0.00062
CB	B43	871	0.3	B.2.4-5b	0.000486	0.000486	B.2.4-5b	0.00065
CB	B43	871	0.5	B.2.4-7b	0.000404	0.000404	B.2.4-5b	0.00064
CB	B43	871	0.5	B.2.4-7b	0.000409	0.000409	B.2.4-5b	0.00063
CB	B43	871	1	B.2.4-7b	0.000408	0.000408	B.2.4-5b	0.00061
CB	B43	871	1	B.2.4-7b	0.000412	0.000412	B.2.4-5b	0.00058
CB	B43	871	1.5	B.2.4-5b	0.000416	0.000416	B.2.4-5b	0.00055
CB	B43	871	1.5	B.2.4-5b	0.000421	0.000421	B.2.4-5b	0.00052
CB	B43	871	2	B.2.4-5b	0.000421	0.000421	B.2.4-5b	0.00049
CB	B43	871	2	B.2.4-5b	0.000425	0.000425	B.2.4-5b	0.00046
CB	B43	871	2.5	B.2.4-5b	0.000395	0.000395	B.2.4-5b	0.00043
CB	B43	871	2.5	B.2.4-5b	0.000399	0.000399	B.2.4-5b	0.0004
CB	B43	871	3	B.2.4-5b	0.00034	0.00034	B.2.4-5b	0.00038
CB	B43	871	3	B.2.4-5b	0.000346	0.000346	B.2.4-5b	0.00037
CB	B43	871	3.5	B.2.4-5b	0.0004	0.0004	B.2.4-5b	0.00039
CB	B43	871	3.5	B.2.4-5b	0.000408	0.000408	B.2.4-5b	0.00043
CB	B43	871	4	B.2.4-5b	0.000431	0.000431	B.2.4-5b	0.00045
CB	B43	871	4	B.2.4-5b	0.000438	0.000438	B.2.4-5b	0.00049
CB	B43	871	4.5	B.2.4-5b	0.00043	0.00043	B.2.4-5b	0.00051
CB	B43	871	4.5	B.2.4-5b	0.000434	0.000434	B.2.4-5b	0.00056
CB	B43	871	5	B.2.4-7b	0.000437	0.000437	B.2.4-5b	0.00058
CB	B43	871	5	B.2.4-7b	0.000436	0.000436	B.2.4-5b	0.00061
CB	B43	871	5.5	B.2.4-7b	0.000432	0.000432	B.2.4-5b	0.00063
CB	B43	871	5.5	B.2.4-7b	0.000421	0.000421	B.2.4-5b	0.00065
CB	B43	871	5.7	B.2.4-5b	0.000536	0.000536	B.2.4-5b	0.00065
CB	B46	883	0.3	B.2.4-5b	0.000536	0.000536	B.2.4-5b	0.00064
CB	B46	883	0.5	B.2.4-7b	0.000435	0.000435	B.2.4-5b	0.00064
CB	B46	883	0.5	B.2.4-7b	0.000436	0.000436	B.2.4-5b	0.00062
CB	B46	883	1	B.2.4-7b	0.000436	0.000436	B.2.4-5b	0.0006
CB	B46	883	1	B.2.4-7b	0.000432	0.000432	B.2.4-5b	0.00057
CB	B46	883	1.5	B.2.4-5b	0.000437	0.000437	B.2.4-5b	0.00055
CB	B46	883	1.5	B.2.4-5b	0.00043	0.00043	B.2.4-5b	0.00051
CB	B46	883	2	B.2.4-5b	0.000435	0.000435	B.2.4-5b	0.00049
CB	B46	883	2	B.2.4-5b	0.000427	0.000427	B.2.4-5b	0.00045
CB	B46	883	2.5	B.2.4-5b	0.000402	0.000402	B.2.4-5b	0.00043
CB	B46	883	2.5	B.2.4-5b	0.000394	0.000394	B.2.4-5b	0.0004
CB	B46	883	3	B.2.4-5b	0.000338	0.000338	B.2.4-5b	0.00037
CB	B46	883	3	B.2.4-5b	0.000331	0.000331	B.2.4-5b	0.00037
CB	B46	883	3.5	B.2.4-5b	0.000388	0.000388	B.2.4-5b	0.00039
CB	B46	883	3.5	B.2.4-5b	0.000384	0.000384	B.2.4-5b	0.00043
CB	B46	883	4	B.2.4-5b	0.000412	0.000412	B.2.4-5b	0.00045
CB	B46	883	4	B.2.4-5b	0.000408	0.000408	B.2.4-5b	0.00049
CB	B46	883	4.5	B.2.4-5b	0.000405	0.000405	B.2.4-5b	0.00051
CB	B46	883	4.5	B.2.4-5b	0.000401	0.000401	B.2.4-5b	0.00055

Table: Concrete Beam Design Summary - ACI 318-08, Part 2 of 4

Story	Label	UniqueName	Station	AsBotCombo	AsMinBot	AsBot	VCombo	VRebar
Unitless	Unitless	Unitless	m	Unitless	m²	m²	Unitless	m²/m
CB	B46	883	5	B.2.4-7b	0.000398	0.000398	B.2.4-5b	0.00057
CB	B46	883	5	B.2.4-7b	0.000395	0.000395	B.2.4-5b	0.00061
CB	B46	883	5.5	B.2.4-7b	0.000395	0.000395	B.2.4-5b	0.00063
CB	B46	883	5.5	B.2.4-7b	0.00039	0.00039	B.2.4-5b	0.00064
CB	B46	883	5.7	B.2.4-5b	0.000487	0.000487	B.2.4-5b	0.00065
CB	B47	887	0.3	B.2.4-5b	0.000442	0.000442	B.2.4-5b	0.00062
CB	B47	887	0.5	B.2.4-7b	0.000349	0.000349	B.2.4-5b	0.00061
CB	B47	887	0.5	B.2.4-7b	0.000355	0.000355	B.2.4-5b	0.0006
CB	B47	887	1	B.2.4-7b	0.000358	0.000358	B.2.4-5b	0.00059
CB	B47	887	1	B.2.4-7b	0.00036	0.00036	B.2.4-5b	0.00054
CB	B47	887	1.5	B.2.4-5b	0.000376	0.000376	B.2.4-5b	0.00052
CB	B47	887	1.5	B.2.4-5b	0.000376	0.000376	B.2.4-5b	0.00048
CB	B47	887	2	B.2.4-5b	0.000379	0.000379	B.2.4-5b	0.00046
CB	B47	887	2	B.2.4-5b	0.000378	0.000378	B.2.4-5b	0.00042
CB	B47	887	2.5	B.2.4-5b	0.00035	0.00035	B.2.4-5b	0.0004
CB	B47	887	2.5	B.2.4-5b	0.000347	0.000347	B.2.4-5b	0.00036
CB	B47	887	3	B.2.4-5b	0.000291	0.000291	B.2.4-5b	0.00034
CB	B47	887	3	B.2.4-5b	0.000291	0.000291	B.2.4-5b	0.00034
CB	B47	887	3.5	B.2.4-5b	0.000346	0.000346	B.2.4-5b	0.00036
CB	B47	887	3.5	B.2.4-5b	0.000345	0.000345	B.2.4-5b	0.0004
CB	B47	887	4	B.2.4-5b	0.000369	0.000369	B.2.4-5b	0.00042
CB	B47	887	4	B.2.4-5b	0.000368	0.000368	B.2.4-5b	0.00046
CB	B47	887	4.5	B.2.4-5b	0.00036	0.00036	B.2.4-5b	0.00048
CB	B47	887	4.5	B.2.4-5b	0.000358	0.000358	B.2.4-5b	0.00052
CB	B47	887	5	B.2.4-7b	0.000355	0.000355	B.2.4-5b	0.00054
CB	B47	887	5	B.2.4-7b	0.000353	0.000353	B.2.4-5b	0.00058
CB	B47	887	5.5	B.2.4-7b	0.000348	0.000348	B.2.4-5b	0.0006
CB	B47	887	5.5	B.2.4-7b	0.000344	0.000344	B.2.4-5b	0.00062
CB	B47	887	5.7	B.2.4-5b	0.000446	0.000446	B.2.4-5b	0.00062
CB	B48	891	0.3	B.2.4-5b	0.000421	0.000421	B.2.4-5b	0.00061
CB	B48	891	0.5	B.2.4-7b	0.00033	0.00033	B.2.4-5b	0.0006
CB	B48	891	0.5	B.2.4-7b	0.000336	0.000336	B.2.4-5b	0.00059
CB	B48	891	1	B.2.4-7b	0.000338	0.000338	B.2.4-5b	0.00057
CB	B48	891	1	B.2.4-7b	0.000341	0.000341	B.2.4-5b	0.00053
CB	B48	891	1.5	B.2.4-5b	0.00034	0.00034	B.2.4-5b	0.00051
CB	B48	891	1.5	B.2.4-5b	0.000341	0.000341	B.2.4-5b	0.00047
CB	B48	891	2	B.2.4-5b	0.000345	0.000345	B.2.4-5b	0.00045
CB	B48	891	2	B.2.4-5b	0.000344	0.000344	B.2.4-5b	0.00041
CB	B48	891	2.5	B.2.4-5b	0.000317	0.000317	B.2.4-5b	0.00039
CB	B48	891	2.5	B.2.4-5b	0.000316	0.000316	B.2.4-5b	0.00035
CB	B48	891	3	B.2.4-5b	0.000258	0.000258	B.2.4-7b	0.00033
CB	B48	891	3	B.2.4-5b	0.000258	0.000258	B.2.4-7b	0.00033
CB	B48	891	3.5	B.2.4-5b	0.000314	0.000314	B.2.4-5b	0.00035
CB	B48	891	3.5	B.2.4-5b	0.000315	0.000315	B.2.4-5b	0.00039
CB	B48	891	4	B.2.4-5b	0.00034	0.00034	B.2.4-5b	0.00041
CB	B48	891	4	B.2.4-5b	0.00034	0.00034	B.2.4-5b	0.00045
CB	B48	891	4.5	B.2.4-5b	0.000333	0.000333	B.2.4-5b	0.00047
CB	B48	891	4.5	B.2.4-5b	0.000333	0.000333	B.2.4-5b	0.00051

Table: Concrete Beam Design Summary - ACI 318-08, Part 2 of 4

Story	Label	UniqueName	Station	AsBotCombo	AsMinBot	AsBot	VCombo	VRebar
Unitless	Unitless	Unitless	m	Unitless	m²	m²	Unitless	m²/m
CB	B48	891	5	B.2.4-7b	0.000338	0.000338	B.2.4-5b	0.00053
CB	B48	891	5	B.2.4-7b	0.000337	0.000337	B.2.4-5b	0.00057
CB	B48	891	5.5	B.2.4-7b	0.000333	0.000333	B.2.4-5b	0.00059
CB	B48	891	5.5	B.2.4-7b	0.000329	0.000329	B.2.4-5b	0.00061
CB	B48	891	5.7	B.2.4-5b	0.000425	0.000425	B.2.4-5b	0.00062
CB	B49	895	0.3	B.2.4-5b	0.000391	0.000391	B.2.4-7b	0.0005
CB	B49	895	0.5	B.2.4-7b	0.000291	0.000291	B.2.4-7b	0.00049
CB	B49	895	0.5	B.2.4-7b	0.000299	0.000299	B.2.4-7b	0.00048
CB	B49	895	1	B.2.4-7b	0.000306	0.000306	B.2.4-7b	0.00046
CB	B49	895	1	B.2.4-7b	0.00031	0.00031	B.2.4-7b	0.00044
CB	B49	895	1.5	B.2.4-5b	0.000309	0.000309	B.2.4-7b	0.00043
CB	B49	895	1.5	B.2.4-5b	0.000312	0.000312	B.2.4-7b	0.0004
CB	B49	895	2	B.2.4-5b	0.000323	0.000323	B.2.4-7b	0.00039
CB	B49	895	2	B.2.4-5b	0.000324	0.000324	B.2.4-7b	0.00036
CB	B49	895	2.5	B.2.4-5b	0.000303	0.000303	B.2.4-7b	0.00035
CB	B49	895	2.5	B.2.4-5b	0.000303	0.000303	B.2.4-7b	0.00033
CB	B49	895	3	B.2.4-5b	0.000249	0.000249	B.2.4-7b	0.00033
CB	B49	895	3	B.2.4-5b	0.000249	0.000249	B.2.4-7b	0.00033
CB	B49	895	3.5	B.2.4-5b	0.000302	0.000302	B.2.4-7b	0.00033
CB	B49	895	3.5	B.2.4-5b	0.000304	0.000304	B.2.4-7b	0.00035
CB	B49	895	4	B.2.4-5b	0.00033	0.00033	B.2.4-7b	0.00036
CB	B49	895	4	B.2.4-5b	0.000332	0.000332	B.2.4-7b	0.00039
CB	B49	895	4.5	B.2.4-5b	0.000326	0.000326	B.2.4-7b	0.0004
CB	B49	895	4.5	B.2.4-5b	0.000327	0.000327	B.2.4-7b	0.00043
CB	B49	895	5	B.2.4-7b	0.000322	0.000322	B.2.4-7b	0.00044
CB	B49	895	5	B.2.4-7b	0.000323	0.000323	B.2.4-7b	0.00046
CB	B49	895	5.5	B.2.4-7b	0.000317	0.000317	B.2.4-7b	0.00048
CB	B49	895	5.5	B.2.4-7b	0.000317	0.000317	B.2.4-7b	0.00049
CB	B49	895	5.7	B.2.4-5b	0.000393	0.000393	B.2.4-7b	0.0005
CB	B50	899	0.25	B.2.4-7b	0.000265	0.000265	B.2.4-7b	0.00033
CB	B50	899	0.74545	B.2.4-7b	0.000249	0.000249	B.2.4-7b	0.00033
CB	B50	899	1.24091	B.2.4-5b	0.000227	0.000227	B.2.4-7b	0.00033
CB	B50	899	1.73636	B.2.4-5b	0.000202	0.000202	B.2.4-7b	0.00033
CB	B50	899	2.23182	B.2.4-5b	0.000165	0.000165	B.2.4-7b	0.00033
CB	B50	899	2.72727	B.2.4-5b	0.000116	0.000116	B.2.4-7b	0.00033
CB	B50	899	3.22273	B.2.4-5b	0.000111	0.000111	B.2.4-7b	0.00033
CB	B50	899	3.71818	B.2.4-5b	0.000151	0.000151	B.2.4-7b	0.00033
CB	B50	899	4.21364	B.2.4-5b	0.000181	0.000181	B.2.4-7b	0.00033
CB	B50	899	4.70909	B.2.4-7b	0.000202	0.000202	B.2.4-7b	0.00033
CB	B50	899	5.20455	B.2.4-7b	0.000221	0.000221	B.2.4-7b	0.00033
CB	B50	899	5.7	B.2.4-7b	0.000232	0.000232	B.2.4-7b	0.00033
CB	B51	903	0.3	B.2.4-7b	0.000248	0.000248	B.2.4-7b	0.00033
CB	B51	903	0.79091	B.2.4-7b	0.000232	0.000232	B.2.4-7b	0.00033
CB	B51	903	1.28182	B.2.4-7b	0.000208	0.000208	B.2.4-7b	0.00033
CB	B51	903	1.77273	B.2.4-7b	0.000176	0.000176	B.2.4-7b	0.00033
CB	B51	903	2.26364	B.2.4-5b	0.000139	0.000139	B.2.4-7b	0.00033
CB	B51	903	2.75455	B.2.4-7b	0.000109	0.000109	B.2.4-7b	0.00033
CB	B51	903	3.24545	B.2.4-7b	0.000109	0.000109	B.2.4-7b	0.00033

Table: Concrete Beam Design Summary - ACI 318-08, Part 2 of 4

Story	Label	UniqueName	Station	AsBotCombo	AsMinBot	AsBot	VCombo	VRebar
Unitless	Unitless	Unitless	m	Unitless	m²	m²	Unitless	m²/m
CB	B51	903	3.73636	B.2.4-5b	0.000142	0.000142	B.2.4-7b	0.00033
CB	B51	903	4.22727	B.2.4-7b	0.000179	0.000179	B.2.4-7b	0.00033
CB	B51	903	4.71818	B.2.4-7b	0.000212	0.000212	B.2.4-7b	0.00033
CB	B51	903	5.20909	B.2.4-7b	0.000236	0.000236	B.2.4-7b	0.00033
CB	B51	903	5.7	B.2.4-7b	0.000252	0.000252	B.2.4-7b	0.00033
CB	B52	907	0.3	B.2.4-7b	0.00029	0.00029	B.2.4-5b	0.00034
CB	B52	907	0.79091	B.2.4-7b	0.000271	0.000271	B.2.4-7b	0.00033
CB	B52	907	1.28182	B.2.4-7b	0.000243	0.000243	B.2.4-7b	0.00033
CB	B52	907	1.77273	B.2.4-5b	0.000214	0.000214	B.2.4-7b	0.00033
CB	B52	907	2.26364	B.2.4-5b	0.000173	0.000173	B.2.4-7b	0.00033
CB	B52	907	2.75455	B.2.4-5b	0.000134	0.000134	B.2.4-7b	0.00033
CB	B52	907	3.24545	B.2.4-5b	0.000134	0.000134	B.2.4-7b	0.00033
CB	B52	907	3.73636	B.2.4-5b	0.000154	0.000154	B.2.4-7b	0.00033
CB	B52	907	4.22727	B.2.4-7b	0.00019	0.00019	B.2.4-7b	0.00033
CB	B52	907	4.71818	B.2.4-7b	0.000219	0.000219	B.2.4-7b	0.00033
CB	B52	907	5.20909	B.2.4-7b	0.00024	0.00024	B.2.4-7b	0.00033
CB	B52	907	5.7	B.2.4-7b	0.000253	0.000253	B.2.4-5b	0.00034
CB	B53	911	0.3	B.2.4-5b	0.00035	0.00035	B.2.4-5b	0.00038
CB	B53	911	0.79091	B.2.4-5b	0.000329	0.000329	B.2.4-5b	0.00036
CB	B53	911	1.28182	B.2.4-5b	0.000298	0.000298	B.2.4-5b	0.00034
CB	B53	911	1.77273	B.2.4-5b	0.000255	0.000255	B.2.4-7b	0.00033
CB	B53	911	2.26364	B.2.4-5b	0.000201	0.000201	B.2.4-7b	0.00033
CB	B53	911	2.75455	B.2.4-5b	0.000201	0.000201	B.2.4-7b	0.00033
CB	B53	911	3.24545	B.2.4-5b	0.000201	0.000201	B.2.4-7b	0.00033
CB	B53	911	3.73636	B.2.4-5b	0.000201	0.000201	B.2.4-7b	0.00033
CB	B53	911	4.22727	B.2.4-5b	0.000201	0.000201	B.2.4-7b	0.00033
CB	B53	911	4.71818	B.2.4-5b	0.000201	0.000201	B.2.4-5b	0.00034
CB	B53	911	5.20909	B.2.4-5b	0.000201	0.000201	B.2.4-5b	0.00036
CB	B53	911	5.7	B.2.4-5b	0.000339	0.000339	B.2.4-5b	0.00038
CB	B59	935	0.3	B.2.4-7b	0.000229	0.000229	B.2.4-7b	0.00033
CB	B59	935	0.79091	B.2.4-7b	0.000219	0.000219	B.2.4-7b	0.00033
CB	B59	935	1.28182	B.2.4-7b	0.000201	0.000201	B.2.4-7b	0.00033
CB	B59	935	1.77273	B.2.4-7b	0.000174	0.000174	B.2.4-7b	0.00033
CB	B59	935	2.26364	B.2.4-5b	0.000144	0.000144	B.2.4-7b	0.00033
CB	B59	935	2.75455	B.2.4-7b	0.000105	0.000105	B.2.4-7b	0.00033
CB	B59	935	3.24545	B.2.4-7b	0.000105	0.000105	B.2.4-7b	0.00033
CB	B59	935	3.73636	B.2.4-5b	0.000136	0.000136	B.2.4-7b	0.00033
CB	B59	935	4.22727	B.2.4-7b	0.000166	0.000166	B.2.4-7b	0.00033
CB	B59	935	4.71818	B.2.4-7b	0.000193	0.000193	B.2.4-7b	0.00033
CB	B59	935	5.20909	B.2.4-7b	0.000212	0.000212	B.2.4-7b	0.00033
CB	B59	935	5.7	B.2.4-7b	0.000222	0.000222	B.2.4-7b	0.00033
CB	B62	947	0.25	B.2.4-5b	0.000306	0.000306	B.2.4-5b	0.00034
CB	B62	947	0.75	B.2.4-5b	0.000211	0.000211	B.2.4-7b	0.00033
CB	B62	947	1.25	B.2.4-7b	0.000214	0.000214	B.2.4-7b	0.00033
CB	B62	947	1.75	B.2.4-5b	0.000211	0.000211	B.2.4-7b	0.00033
CB	B62	947	2.25	B.2.4-5b	0.000211	0.000211	B.2.4-7b	0.00033
CB	B62	947	2.75	B.2.4-5b	0.000211	0.000211	B.2.4-7b	0.00033
CB	B62	947	3.25	B.2.4-5b	0.000211	0.000211	B.2.4-7b	0.00033

Table: Concrete Beam Design Summary - ACI 318-08, Part 2 of 4

Story	Label	UniqueName	Station	AsBotCombo	AsMinBot	AsBot	VCombo	VRebar
Unitless	Unitless	Unitless	m	Unitless	m²	m²	Unitless	m²/m
CB	B62	947	3.75	B.2.4-5b	0.000211	0.000211	B.2.4-7b	0.00033
CB	B62	947	4.25	B.2.4-7b	0.000227	0.000227	B.2.4-7b	0.00033
CB	B62	947	4.75	B.2.4-7b	0.000241	0.000241	B.2.4-7b	0.00033
CB	B62	947	5.25	B.2.4-7b	0.000247	0.000247	B.2.4-7b	0.00033
CB	B62	947	5.75	B.2.4-5b	0.000256	0.000256	B.2.4-5b	0.00034
CB	B63	951	0.25	B.2.4-5b	0.000225	0.000225	B.2.4-7b	0.00033
CB	B63	951	0.75	B.2.4-7b	0.000211	0.000211	B.2.4-7b	0.00033
CB	B63	951	1.25	B.2.4-7b	0.000212	0.000212	B.2.4-7b	0.00033
CB	B63	951	1.75	B.2.4-5b	0.00021	0.00021	B.2.4-7b	0.00033
CB	B63	951	2.25	B.2.4-5b	0.000199	0.000199	B.2.4-7b	0.00033
CB	B63	951	2.75	B.2.4-5b	0.000175	0.000175	B.2.4-7b	0.00033
CB	B63	951	3.25	B.2.4-5b	0.000172	0.000172	B.2.4-7b	0.00033
CB	B63	951	3.75	B.2.4-5b	0.000192	0.000192	B.2.4-7b	0.00033
CB	B63	951	4.25	B.2.4-5b	0.0002	0.0002	B.2.4-7b	0.00033
CB	B63	951	4.75	B.2.4-7b	0.000204	0.000204	B.2.4-7b	0.00033
CB	B63	951	5.25	B.2.4-7b	0.000201	0.000201	B.2.4-7b	0.00033
CB	B63	951	5.75	B.2.4-5b	0.000234	0.000234	B.2.4-7b	0.00033
CB	B64	955	0.25	B.2.4-5b	0.000195	0.000195	B.2.4-7b	0.00033
CB	B64	955	0.75	B.2.4-7b	0.000176	0.000176	B.2.4-7b	0.00033
CB	B64	955	1.25	B.2.4-7b	0.000177	0.000177	B.2.4-7b	0.00033
CB	B64	955	1.75	B.2.4-5b	0.000175	0.000175	B.2.4-7b	0.00033
CB	B64	955	2.25	B.2.4-5b	0.000164	0.000164	B.2.4-7b	0.00033
CB	B64	955	2.75	B.2.4-5b	0.00014	0.00014	B.2.4-7b	0.00033
CB	B64	955	3.25	B.2.4-5b	0.000138	0.000138	B.2.4-7b	0.00033
CB	B64	955	3.75	B.2.4-5b	0.000157	0.000157	B.2.4-7b	0.00033
CB	B64	955	4.25	B.2.4-5b	0.000164	0.000164	B.2.4-7b	0.00033
CB	B64	955	4.75	B.2.4-7b	0.000169	0.000169	B.2.4-7b	0.00033
CB	B64	955	5.25	B.2.4-7b	0.000166	0.000166	B.2.4-7b	0.00033
CB	B64	955	5.75	B.2.4-5b	0.000207	0.000207	B.2.4-7b	0.00033
CB	B65	959	0.25	B.2.4-5b	0.00016	0.00016	B.2.4-7b	0.00033
CB	B65	959	0.7125	B.2.4-7b	0.000137	0.000137	B.2.4-7b	0.00033
CB	B65	959	1.175	B.2.4-5b	0.000147	0.000147	B.2.4-7b	0.00033
CB	B65	959	1.6375	B.2.4-5b	0.000154	0.000154	B.2.4-7b	0.00033
CB	B65	959	2.1	B.2.4-5b	0.000152	0.000152	B.2.4-7b	0.00033
CB	B65	959	2.5625	B.2.4-5b	0.000139	0.000139	B.2.4-7b	0.00033
CB	B65	959	3.025	B.2.4-5b	0.000117	0.000117	B.2.4-7b	0.00033
CB	B65	959	3.4875	B.2.4-5b	0.000111	0.000111	B.2.4-7b	0.00033
CB	B65	959	3.95	B.2.4-5b	0.000118	0.000118	B.2.4-7b	0.00033
CB	B65	959	4.4125	B.2.4-5b	0.000115	0.000115	B.2.4-7b	0.00033
CB	B65	959	4.875	B.2.4-7b	0.000109	0.000109	B.2.4-7b	0.00033
CB	B65	959	5.3375	B.2.4-5b	9.9E-05	9.9E-05	B.2.4-7b	0.00033
CB	B65	959	5.8	B.2.4-5b	0.000164	0.000164	B.2.4-7b	0.00033
CB	B66	858	0.2	B.2.4-5b	0.000147	0.000147	B.2.4-7b	0.00033
CB	B66	858	0.66667	B.2.4-7b	8.5E-05	8.5E-05	B.2.4-7b	0.00033
CB	B66	858	1.13333	B.2.4-7b	9.5E-05	9.5E-05	B.2.4-7b	0.00033
CB	B66	858	1.6	B.2.4-5b	0.000105	0.000105	B.2.4-7b	0.00033
CB	B66	858	2.06667	B.2.4-5b	0.000107	0.000107	B.2.4-7b	0.00033
CB	B66	858	2.53333	B.2.4-5b	9.9E-05	9.9E-05	B.2.4-7b	0.00033

Table: Concrete Beam Design Summary - ACI 318-08, Part 2 of 4

Story	Label	UniqueName	Station	AsBotCombo	AsMinBot	AsBot	VCombo	VRebar
Unitless	Unitless	Unitless	m	Unitless	m²	m²	Unitless	m²/m
CB	B66	858	3	B.2.4-5b	0.00011	0.00011	B.2.4-7b	0.00033
CB	B66	858	3.46667	B.2.4-5b	0.000132	0.000132	B.2.4-7b	0.00033
CB	B66	858	3.93333	B.2.4-5b	0.000144	0.000144	B.2.4-7b	0.00033
CB	B66	858	4.4	B.2.4-5b	0.000146	0.000146	B.2.4-7b	0.00033
CB	B66	858	4.86667	B.2.4-5b	0.000137	0.000137	B.2.4-7b	0.00033
CB	B66	858	5.33333	B.2.4-7b	0.000129	0.000129	B.2.4-7b	0.00033
CB	B66	858	5.8	B.2.4-5b	0.000149	0.000149	B.2.4-7b	0.00033
CB	B70	1448	0.25	B.2.4-5b	0.000147	0.000147	B.2.4-7b	0.00033
CB	B70	1448	0.7125	B.2.4-7b	0.000125	0.000125	B.2.4-7b	0.00033
CB	B70	1448	1.175	B.2.4-7b	0.000134	0.000134	B.2.4-7b	0.00033
CB	B70	1448	1.6375	B.2.4-5b	0.00014	0.00014	B.2.4-7b	0.00033
CB	B70	1448	2.1	B.2.4-5b	0.00014	0.00014	B.2.4-7b	0.00033
CB	B70	1448	2.5625	B.2.4-5b	0.00013	0.00013	B.2.4-7b	0.00033
CB	B70	1448	3.025	B.2.4-5b	0.000111	0.000111	B.2.4-7b	0.00033
CB	B70	1448	3.4875	B.2.4-5b	0.00011	0.00011	B.2.4-7b	0.00033
CB	B70	1448	3.95	B.2.4-5b	0.000115	0.000115	B.2.4-7b	0.00033
CB	B70	1448	4.4125	B.2.4-5b	0.00011	0.00011	B.2.4-7b	0.00033
CB	B70	1448	4.875	B.2.4-7b	0.000104	0.000104	B.2.4-7b	0.00033
CB	B70	1448	5.3375	B.2.4-5b	9.3E-05	9.3E-05	B.2.4-7b	0.00033
CB	B70	1448	5.8	B.2.4-5b	0.000154	0.000154	B.2.4-7b	0.00033
CB	B71	983	0.2	B.2.4-5b	0.000133	0.000133	B.2.4-7b	0.00033
CB	B71	983	0.66667	B.2.4-5b	8.4E-05	8.4E-05	B.2.4-7b	0.00033
CB	B71	983	1.13333	B.2.4-7b	9.7E-05	9.7E-05	B.2.4-7b	0.00033
CB	B71	983	1.6	B.2.4-5b	0.000106	0.000106	B.2.4-7b	0.00033
CB	B71	983	2.06667	B.2.4-5b	0.000112	0.000112	B.2.4-7b	0.00033
CB	B71	983	2.53333	B.2.4-5b	0.000108	0.000108	B.2.4-7b	0.00033
CB	B71	983	3	B.2.4-5b	9.7E-05	9.7E-05	B.2.4-7b	0.00033
CB	B71	983	3.46667	B.2.4-5b	0.000109	0.000109	B.2.4-7b	0.00033
CB	B71	983	3.93333	B.2.4-5b	0.000111	0.000111	B.2.4-7b	0.00033
CB	B71	983	4.4	B.2.4-7b	0.000104	0.000104	B.2.4-7b	0.00033
CB	B71	983	4.86667	B.2.4-7b	9.5E-05	9.5E-05	B.2.4-7b	0.00033
CB	B71	983	5.33333	B.2.4-5b	8.4E-05	8.4E-05	B.2.4-7b	0.00033
CB	B71	983	5.8	B.2.4-5b	0.000141	0.000141	B.2.4-7b	0.00033
CB	B72	987	0.2	B.2.4-5b	0.000133	0.000133	B.2.4-7b	0.00033
CB	B72	987	0.66667	B.2.4-7b	8.3E-05	8.3E-05	B.2.4-7b	0.00033
CB	B72	987	1.13333	B.2.4-7b	9.8E-05	9.8E-05	B.2.4-7b	0.00033
CB	B72	987	1.6	B.2.4-5b	0.000107	0.000107	B.2.4-7b	0.00033
CB	B72	987	2.06667	B.2.4-5b	0.000112	0.000112	B.2.4-7b	0.00033
CB	B72	987	2.53333	B.2.4-5b	0.000107	0.000107	B.2.4-7b	0.00033
CB	B72	987	3	B.2.4-5b	9.3E-05	9.3E-05	B.2.4-7b	0.00033
CB	B72	987	3.46667	B.2.4-5b	0.000105	0.000105	B.2.4-7b	0.00033
CB	B72	987	3.93333	B.2.4-5b	0.000108	0.000108	B.2.4-7b	0.00033
CB	B72	987	4.4	B.2.4-5b	0.000101	0.000101	B.2.4-7b	0.00033
CB	B72	987	4.86667	B.2.4-7b	9.3E-05	9.3E-05	B.2.4-7b	0.00033
CB	B72	987	5.33333	B.2.4-5b	8.1E-05	8.1E-05	B.2.4-7b	0.00033
CB	B72	987	5.8	B.2.4-5b	0.000139	0.000139	B.2.4-7b	0.00033
CB	B73	991	0.2	B.2.4-5b	0.000125	0.000125	B.2.4-7b	0.00033
CB	B73	991	0.66667	B.2.4-5b	7.3E-05	7.3E-05	B.2.4-7b	0.00033

Table: Concrete Beam Design Summary - ACI 318-08, Part 2 of 4

Story	Label	UniqueName	Station	AsBotCombo	AsMinBot	AsBot	VCombo	VRebar
Unitless	Unitless	Unitless	m	Unitless	m²	m²	Unitless	m²/m
CB	B73	991	1.13333	B.2.4-7b	8.6E-05	8.6E-05	B.2.4-7b	0.00033
CB	B73	991	1.6	B.2.4-5b	9.7E-05	9.7E-05	B.2.4-7b	0.00033
CB	B73	991	2.06667	B.2.4-5b	0.000103	0.000103	B.2.4-7b	0.00033
CB	B73	991	2.53333	B.2.4-5b	9.9E-05	9.9E-05	B.2.4-7b	0.00033
CB	B73	991	3	B.2.4-5b	8.5E-05	8.5E-05	B.2.4-7b	0.00033
CB	B73	991	3.46667	B.2.4-5b	9.4E-05	9.4E-05	B.2.4-7b	0.00033
CB	B73	991	3.93333	B.2.4-5b	9.6E-05	9.6E-05	B.2.4-7b	0.00033
CB	B73	991	4.4	B.2.4-5b	8.8E-05	8.8E-05	B.2.4-7b	0.00033
CB	B73	991	4.86667	B.2.4-7b	7.8E-05	7.8E-05	B.2.4-7b	0.00033
CB	B73	991	5.33333	B.2.4-5b	7.3E-05	7.3E-05	B.2.4-7b	0.00033
CB	B73	991	5.8	B.2.4-5b	0.00013	0.00013	B.2.4-7b	0.00033
CB	B74	866	0.2	B.2.4-5b	0.000136	0.000136	B.2.4-7b	0.00033
CB	B74	866	0.66667	B.2.4-5b	7.7E-05	7.7E-05	B.2.4-7b	0.00033
CB	B74	866	1.13333	B.2.4-7b	8.7E-05	8.7E-05	B.2.4-7b	0.00033
CB	B74	866	1.6	B.2.4-5b	0.000102	0.000102	B.2.4-7b	0.00033
CB	B74	866	2.06667	B.2.4-5b	0.000107	0.000107	B.2.4-7b	0.00033
CB	B74	866	2.53333	B.2.4-5b	0.000103	0.000103	B.2.4-7b	0.00033
CB	B74	866	3	B.2.4-5b	0.000113	0.000113	B.2.4-7b	0.00033
CB	B74	866	3.46667	B.2.4-5b	0.000133	0.000133	B.2.4-7b	0.00033
CB	B74	866	3.93333	B.2.4-5b	0.000143	0.000143	B.2.4-7b	0.00033
CB	B74	866	4.4	B.2.4-5b	0.000143	0.000143	B.2.4-7b	0.00033
CB	B74	866	4.86667	B.2.4-5b	0.000133	0.000133	B.2.4-7b	0.00033
CB	B74	866	5.33333	B.2.4-7b	0.000121	0.000121	B.2.4-7b	0.00033
CB	B74	866	5.8	B.2.4-5b	0.000134	0.000134	B.2.4-7b	0.00033
CB	B75	877	0.25	B.2.4-7b	0.000508	0.000508	B.2.4-5b	0.0005
CB	B75	877	0.69375	B.2.4-7b	0.000416	0.000416	B.2.4-5b	0.00049
CB	B75	877	1.1375	B.2.4-5b	0.000323	0.000323	B.2.4-5b	0.00047
CB	B75	877	1.58125	B.2.4-5b	0.000224	0.000224	B.2.4-5b	0.00045
CB	B75	877	2.025	B.2.4-5b	0.000147	0.000147	B.2.4-7b	0.00043
CB	B75	877	2.46875	B.2.4-5b	0.000147	0.000147	B.2.4-5b	0.00045
CB	B75	877	2.9125	B.2.4-5b	0.000227	0.000227	B.2.4-5b	0.00047
CB	B75	877	3.35625	B.2.4-5b	0.000324	0.000324	B.2.4-5b	0.00049
CB	B75	877	3.8	B.2.4-7b	0.000415	0.000415	B.2.4-5b	0.0005
CB	B76	1003	0.25	B.2.4-5b	0.000229	0.000229	B.2.4-5b	0.00047
CB	B76	1003	0.5	B.2.4-7b	0.000199	0.000199	B.2.4-5b	0.00046
CB	B76	1003	0.5	B.2.4-7b	0.000196	0.000196	B.2.4-5b	0.00044
CB	B76	1003	1	B.2.4-7b	0.000186	0.000186	B.2.4-5b	0.00042
CB	B76	1003	1	B.2.4-7b	0.000183	0.000183	B.2.4-5b	0.00038
CB	B76	1003	1.5	B.2.4-5b	0.000168	0.000168	B.2.4-5b	0.00036
CB	B76	1003	1.5	B.2.4-5b	0.000164	0.000164	B.2.4-7b	0.00033
CB	B76	1003	2	B.2.4-5b	0.000125	0.000125	B.2.4-7b	0.00033
CB	B76	1003	2	B.2.4-5b	0.000119	0.000119	B.2.4-7b	0.00033
CB	B76	1003	2.5	B.2.4-5b	0.000115	0.000115	B.2.4-7b	0.00033
CB	B76	1003	2.5	B.2.4-5b	0.000112	0.000112	B.2.4-5b	0.00036
CB	B76	1003	3	B.2.4-5b	0.000112	0.000112	B.2.4-5b	0.00038
CB	B76	1003	3	B.2.4-5b	0.00011	0.00011	B.2.4-5b	0.00041
CB	B76	1003	3.5	B.2.4-7b	0.000111	0.000111	B.2.4-5b	0.00043
CB	B76	1003	3.5	B.2.4-7b	0.00011	0.00011	B.2.4-5b	0.00044

Table: Concrete Beam Design Summary - ACI 318-08, Part 2 of 4

Story	Label	UniqueName	Station	AsBotCombo	AsMinBot	AsBot	VCombo	VRebar
Unitless	Unitless	Unitless	m	Unitless	m²	m²	Unitless	m²/m
CB	B76	1003	3.8	B.2.4-5b	0.000161	0.000161	B.2.4-5b	0.00045
CB	B82	1043	0.25	B.2.4-5b	0.000314	0.000314	B.2.4-7b	0.00048
CB	B82	1043	0.5	B.2.4-7b	0.000304	0.000304	B.2.4-7b	0.00048
CB	B82	1043	0.5	B.2.4-7b	0.000303	0.000303	B.2.4-7b	0.00042
CB	B82	1043	1	B.2.4-5b	0.000314	0.000314	B.2.4-7b	0.0004
CB	B82	1043	1	B.2.4-5b	0.000318	0.000318	B.2.4-7b	0.00038
CB	B82	1043	1.5	B.2.4-5b	0.000342	0.000342	B.2.4-7b	0.00037
CB	B82	1043	1.5	B.2.4-5b	0.000344	0.000344	B.2.4-7b	0.00035
CB	B82	1043	2	B.2.4-5b	0.000341	0.000341	B.2.4-7b	0.00034
CB	B82	1043	2	B.2.4-5b	0.000341	0.000341	B.2.4-7b	0.00033
CB	B82	1043	2.5	B.2.4-5b	0.000311	0.000311	B.2.4-7b	0.00033
CB	B82	1043	2.5	B.2.4-5b	0.000312	0.000312	B.2.4-7b	0.00033
CB	B82	1043	2.54	B.2.4-5b	0.000312	0.000312	B.2.4-7b	0.00033
CB	B82	1043	2.54	B.2.4-5b	0.000329	0.000329	B.2.4-7b	0.00033
CB	B82	1043	3	B.2.4-5b	0.000266	0.000266	B.2.4-7b	0.00033
CB	B82	1043	3	B.2.4-5b	0.000259	0.000259	B.2.4-7b	0.00033
CB	B82	1043	3.5	B.2.4-5b	0.000206	0.000206	B.2.4-7b	0.00033
CB	B82	1043	3.5	B.2.4-5b	0.000205	0.000205	B.2.4-7b	0.00033
CB	B82	1043	4	B.2.4-5b	0.000211	0.000211	B.2.4-7b	0.00033
CB	B82	1043	4	B.2.4-5b	0.000207	0.000207	B.2.4-7b	0.00034
CB	B82	1043	4.5	B.2.4-5b	0.000186	0.000186	B.2.4-7b	0.00035
CB	B82	1043	4.5	B.2.4-5b	0.000182	0.000182	B.2.4-7b	0.00037
CB	B82	1043	5	B.2.4-7b	0.000168	0.000168	B.2.4-7b	0.00038
CB	B82	1043	5	B.2.4-7b	0.000171	0.000171	B.2.4-7b	0.0004
CB	B82	1043	5.5	B.2.4-5b	0.000166	0.000166	B.2.4-7b	0.00041
CB	B82	1043	5.5	B.2.4-5b	0.000174	0.000174	B.2.4-7b	0.00043
CB	B82	1043	5.75	B.2.4-5b	0.000341	0.000341	B.2.4-7b	0.00044
CB	B83	1044	0.25	B.2.4-5b	0.000331	0.000331	B.2.4-7b	0.00043
CB	B83	1044	0.5	B.2.4-5b	0.000171	0.000171	B.2.4-7b	0.00042
CB	B83	1044	0.5	B.2.4-5b	0.000165	0.000165	B.2.4-7b	0.0004
CB	B83	1044	1	B.2.4-7b	0.000177	0.000177	B.2.4-7b	0.00039
CB	B83	1044	1	B.2.4-7b	0.000175	0.000175	B.2.4-7b	0.00038
CB	B83	1044	1.5	B.2.4-5b	0.000195	0.000195	B.2.4-7b	0.00036
CB	B83	1044	1.5	B.2.4-5b	0.000199	0.000199	B.2.4-7b	0.00034
CB	B83	1044	2	B.2.4-5b	0.000216	0.000216	B.2.4-7b	0.00033
CB	B83	1044	2	B.2.4-5b	0.000218	0.000218	B.2.4-7b	0.00033
CB	B83	1044	2.5	B.2.4-5b	0.000209	0.000209	B.2.4-7b	0.00033
CB	B83	1044	2.5	B.2.4-5b	0.000209	0.000209	B.2.4-7b	0.00033
CB	B83	1044	3	B.2.4-5b	0.00024	0.00024	B.2.4-7b	0.00033
CB	B83	1044	3	B.2.4-5b	0.000244	0.000244	B.2.4-7b	0.00033
CB	B83	1044	3.5	B.2.4-5b	0.000305	0.000305	B.2.4-7b	0.00033
CB	B83	1044	3.5	B.2.4-5b	0.000306	0.000306	B.2.4-7b	0.00033
CB	B83	1044	4	B.2.4-5b	0.000339	0.000339	B.2.4-7b	0.00033
CB	B83	1044	4	B.2.4-5b	0.000338	0.000338	B.2.4-7b	0.00033
CB	B83	1044	4.5	B.2.4-5b	0.000344	0.000344	B.2.4-7b	0.00034
CB	B83	1044	4.5	B.2.4-5b	0.00034	0.00034	B.2.4-7b	0.00036
CB	B83	1044	5	B.2.4-5b	0.000321	0.000321	B.2.4-7b	0.00037
CB	B83	1044	5	B.2.4-5b	0.000316	0.000316	B.2.4-7b	0.00039

Table: Concrete Beam Design Summary - ACI 318-08, Part 2 of 4

Story	Label	UniqueName	Station	AsBotCombo	AsMinBot	AsBot	VCombo	VRebar
Unitless	Unitless	Unitless	m	Unitless	m²	m²	Unitless	m²/m
CB	B83	1044	5.5	B.2.4-7b	0.000308	0.000308	B.2.4-7b	0.00041
CB	B83	1044	5.5	B.2.4-7b	0.000306	0.000306	B.2.4-7b	0.00046
CB	B83	1044	5.75	B.2.4-7b	0.000307	0.000307	B.2.4-7b	0.00047
CB	B90	1048	0.25	B.2.4-7b	0.000329	0.000329	B.2.4-7b	0.00052
CB	B90	1048	0.5	B.2.4-7b	0.000324	0.000324	B.2.4-7b	0.00052
CB	B90	1048	0.5	B.2.4-7b	0.000328	0.000328	B.2.4-7b	0.00041
CB	B90	1048	1	B.2.4-7b	0.000328	0.000328	B.2.4-7b	0.00039
CB	B90	1048	1	B.2.4-7b	0.000328	0.000328	B.2.4-7b	0.00037
CB	B90	1048	1.5	B.2.4-5b	0.000341	0.000341	B.2.4-7b	0.00036
CB	B90	1048	1.5	B.2.4-5b	0.000343	0.000343	B.2.4-7b	0.00034
CB	B90	1048	2	B.2.4-5b	0.000333	0.000333	B.2.4-7b	0.00033
CB	B90	1048	2	B.2.4-5b	0.000333	0.000333	B.2.4-7b	0.00033
CB	B90	1048	2.5	B.2.4-5b	0.000296	0.000296	B.2.4-7b	0.00033
CB	B90	1048	2.5	B.2.4-5b	0.000294	0.000294	B.2.4-7b	0.00033
CB	B90	1048	3	B.2.4-5b	0.00023	0.00023	B.2.4-7b	0.00033
CB	B90	1048	3	B.2.4-5b	0.000226	0.000226	B.2.4-7b	0.00033
CB	B90	1048	3.5	B.2.4-5b	0.000198	0.000198	B.2.4-7b	0.00033
CB	B90	1048	3.5	B.2.4-5b	0.0002	0.0002	B.2.4-7b	0.00033
CB	B90	1048	4	B.2.4-5b	0.000213	0.000213	B.2.4-7b	0.00033
CB	B90	1048	4	B.2.4-5b	0.000213	0.000213	B.2.4-7b	0.00033
CB	B90	1048	4.5	B.2.4-5b	0.0002	0.0002	B.2.4-7b	0.00035
CB	B90	1048	4.5	B.2.4-5b	0.000199	0.000199	B.2.4-7b	0.00036
CB	B90	1048	5	B.2.4-7b	0.000191	0.000191	B.2.4-7b	0.00038
CB	B90	1048	5	B.2.4-7b	0.000193	0.000193	B.2.4-7b	0.00039
CB	B90	1048	5.5	B.2.4-7b	0.000177	0.000177	B.2.4-7b	0.00041
CB	B90	1048	5.5	B.2.4-7b	0.000176	0.000176	B.2.4-7b	0.00042
CB	B90	1048	5.75	B.2.4-5b	0.00034	0.00034	B.2.4-7b	0.00043
CB	B91	1049	0.25	B.2.4-5b	0.000345	0.000345	B.2.4-7b	0.00043
CB	B91	1049	0.5	B.2.4-7b	0.000197	0.000197	B.2.4-7b	0.00042
CB	B91	1049	0.5	B.2.4-7b	0.00019	0.00019	B.2.4-7b	0.00041
CB	B91	1049	1	B.2.4-7b	0.000205	0.000205	B.2.4-7b	0.00039
CB	B91	1049	1	B.2.4-7b	0.000202	0.000202	B.2.4-7b	0.00038
CB	B91	1049	1.5	B.2.4-5b	0.000219	0.000219	B.2.4-7b	0.00036
CB	B91	1049	1.5	B.2.4-5b	0.000221	0.000221	B.2.4-7b	0.00035
CB	B91	1049	2	B.2.4-5b	0.000233	0.000233	B.2.4-7b	0.00033
CB	B91	1049	2	B.2.4-5b	0.000235	0.000235	B.2.4-7b	0.00033
CB	B91	1049	2.5	B.2.4-5b	0.00022	0.00022	B.2.4-7b	0.00033
CB	B91	1049	2.5	B.2.4-5b	0.000221	0.000221	B.2.4-7b	0.00033
CB	B91	1049	3	B.2.4-5b	0.000248	0.000248	B.2.4-7b	0.00033
CB	B91	1049	3	B.2.4-5b	0.000254	0.000254	B.2.4-7b	0.00033
CB	B91	1049	3.5	B.2.4-5b	0.000317	0.000317	B.2.4-7b	0.00033
CB	B91	1049	3.5	B.2.4-5b	0.000321	0.000321	B.2.4-7b	0.00033
CB	B91	1049	4	B.2.4-5b	0.000357	0.000357	B.2.4-7b	0.00033
CB	B91	1049	4	B.2.4-5b	0.000358	0.000358	B.2.4-7b	0.00033
CB	B91	1049	4.5	B.2.4-5b	0.000368	0.000368	B.2.4-7b	0.00034
CB	B91	1049	4.5	B.2.4-5b	0.000366	0.000366	B.2.4-7b	0.00036
CB	B91	1049	5	B.2.4-5b	0.000349	0.000349	B.2.4-7b	0.00038
CB	B91	1049	5	B.2.4-5b	0.000345	0.000345	B.2.4-7b	0.0004

Table: Concrete Beam Design Summary - ACI 318-08, Part 2 of 4

Story	Label	UniqueName	Station	AsBotCombo	AsMinBot	AsBot	VCombo	VRebar
Unitless	Unitless	Unitless	m	Unitless	m²	m²	Unitless	m²/m
CB	B91	1049	5.5	B.2.4-7b	0.000339	0.000339	B.2.4-7b	0.00041
CB	B91	1049	5.5	B.2.4-7b	0.000336	0.000336	B.2.4-7b	0.00052
CB	B91	1049	5.75	B.2.4-7b	0.000341	0.000341	B.2.4-7b	0.00053
CB	B109	403	0.3	B.2.4-5b	0.000308	0.000308	B.2.4-5b	0.00037
CB	B109	403	0.79091	B.2.4-7b	0.000244	0.000244	B.2.4-5b	0.00035
CB	B109	403	1.28182	B.2.4-7b	0.000228	0.000228	B.2.4-7b	0.00033
CB	B109	403	1.77273	B.2.4-7b	0.000204	0.000204	B.2.4-7b	0.00033
CB	B109	403	2.26364	B.2.4-7b	0.000184	0.000184	B.2.4-7b	0.00033
CB	B109	403	2.75455	B.2.4-7b	0.000184	0.000184	B.2.4-7b	0.00033
CB	B109	403	3.24545	B.2.4-7b	0.000184	0.000184	B.2.4-7b	0.00033
CB	B109	403	3.73636	B.2.4-7b	0.000189	0.000189	B.2.4-7b	0.00033
CB	B109	403	4.22727	B.2.4-7b	0.000236	0.000236	B.2.4-7b	0.00033
CB	B109	403	4.71818	B.2.4-7b	0.000275	0.000275	B.2.4-7b	0.00033
CB	B109	403	5.20909	B.2.4-7b	0.000306	0.000306	B.2.4-5b	0.00035
CB	B109	403	5.7	B.2.4-7b	0.000328	0.000328	B.2.4-5b	0.00037
CB	B112	416	0.3	B.2.4-7b	0.000288	0.000288	B.2.4-7b	0.00033
CB	B112	416	0.79091	B.2.4-7b	0.000273	0.000273	B.2.4-7b	0.00033
CB	B112	416	1.28182	B.2.4-7b	0.000251	0.000251	B.2.4-7b	0.00033
CB	B112	416	1.77273	B.2.4-5b	0.000223	0.000223	B.2.4-7b	0.00033
CB	B112	416	2.26364	B.2.4-5b	0.000187	0.000187	B.2.4-7b	0.00033
CB	B112	416	2.75455	B.2.4-7b	0.000145	0.000145	B.2.4-7b	0.00033
CB	B112	416	3.24545	B.2.4-7b	0.000145	0.000145	B.2.4-7b	0.00033
CB	B112	416	3.73636	B.2.4-5b	0.000178	0.000178	B.2.4-7b	0.00033
CB	B112	416	4.22727	B.2.4-7b	0.000213	0.000213	B.2.4-7b	0.00033
CB	B112	416	4.71818	B.2.4-7b	0.000242	0.000242	B.2.4-7b	0.00033
CB	B112	416	5.20909	B.2.4-7b	0.000264	0.000264	B.2.4-7b	0.00033
CB	B112	416	5.7	B.2.4-7b	0.000277	0.000277	B.2.4-7b	0.00033
CB	B115	420	0.3	B.2.4-7b	0.000255	0.000255	B.2.4-7b	0.00033
CB	B115	420	0.79091	B.2.4-7b	0.000243	0.000243	B.2.4-7b	0.00033
CB	B115	420	1.28182	B.2.4-7b	0.000222	0.000222	B.2.4-7b	0.00033
CB	B115	420	1.77273	B.2.4-7b	0.000194	0.000194	B.2.4-7b	0.00033
CB	B115	420	2.26364	B.2.4-5b	0.00016	0.00016	B.2.4-7b	0.00033
CB	B115	420	2.75455	B.2.4-7b	0.000125	0.000125	B.2.4-7b	0.00033
CB	B115	420	3.24545	B.2.4-7b	0.000125	0.000125	B.2.4-7b	0.00033
CB	B115	420	3.73636	B.2.4-5b	0.000158	0.000158	B.2.4-7b	0.00033
CB	B115	420	4.22727	B.2.4-7b	0.000192	0.000192	B.2.4-7b	0.00033
CB	B115	420	4.71818	B.2.4-7b	0.000221	0.000221	B.2.4-7b	0.00033
CB	B115	420	5.20909	B.2.4-7b	0.000242	0.000242	B.2.4-7b	0.00033
CB	B115	420	5.7	B.2.4-7b	0.000254	0.000254	B.2.4-7b	0.00033
CB	B56	424	0	B.2.4-5b	0.000126	0.000126	B.2.4-7b	0.00026
CB	B56	424	0.5	B.2.4-5b	0.000112	0.000112	B.2.4-7b	0.00025
CB	B56	424	0.5	B.2.4-5b	0.000108	0.000108	B.2.4-7b	0.00025
CB	B56	424	1	B.2.4-5b	0.000178	0.000178	B.2.4-7b	0.00025
CB	B56	424	1	B.2.4-5b	0.000178	0.000178	B.2.4-7b	0.00025
CB	B56	424	1.5	B.2.4-5b	0.000229	0.000229	B.2.4-7b	0.00025
CB	B56	424	1.5	B.2.4-5b	0.00023	0.00023	B.2.4-7b	0.00025
CB	B56	424	2	B.2.4-5b	0.000255	0.000255	B.2.4-7b	0.00025
CB	B56	424	2	B.2.4-5b	0.000256	0.000256	B.2.4-7b	0.00025

Table: Concrete Beam Design Summary - ACI 318-08, Part 2 of 4

Story	Label	UniqueName	Station	AsBotCombo	AsMinBot	AsBot	VCombo	VRebar
Unitless	Unitless	Unitless	m	Unitless	m²	m²	Unitless	m²/m
CB	B56	424	2.5	B.2.4-5b	0.000255	0.000255	B.2.4-7b	0.00025
CB	B56	424	2.5	B.2.4-5b	0.000255	0.000255	B.2.4-7b	0.00025
CB	B56	424	3	B.2.4-2	0.00025	0.00025	B.2.4-7b	0.00025
CB	B56	424	3	B.2.4-2	0.000249	0.000249	B.2.4-7b	0.00025
CB	B56	424	3.5	B.2.4-2	0.000222	0.000222	B.2.4-7b	0.00025
CB	B56	424	3.5	B.2.4-2	0.00022	0.00022	B.2.4-7b	0.00025
CB	B56	424	4	B.2.4-5b	0.000172	0.000172	B.2.4-7b	0.00025
CB	B56	424	4	B.2.4-5b	0.000172	0.000172	B.2.4-7b	0.00025
CB	B56	424	4.5	B.2.4-5b	0.000112	0.000112	B.2.4-7b	0.00025
CB	B56	424	4.5	B.2.4-5b	0.000112	0.000112	B.2.4-7b	0.00025
CB	B56	424	5	B.2.4-5b	0.000108	0.000108	B.2.4-7b	0.00025
CB	B56	424	5	B.2.4-5b	0.00011	0.00011	B.2.4-7b	0.00025
CB	B56	424	5.5	B.2.4-5b	0.00011	0.00011	B.2.4-7b	0.00025
CB	B56	424	5.5	B.2.4-5b	0.00011	0.00011	B.2.4-7b	0.00024
CB	B56	424	6	B.2.4-5b	0.000198	0.000198	B.2.4-7b	0.00026
CB	B57	428	0	B.2.4-5b	0.000179	0.000179	B.2.4-7b	0.00027
CB	B57	428	0.5	B.2.4-5b	9.5E-05	9.5E-05	B.2.4-7b	0.00026
CB	B57	428	0.5	B.2.4-5b	0.000103	0.000103	B.2.4-7b	0.00026
CB	B57	428	1	B.2.4-5b	0.000103	0.000103	B.2.4-7b	0.00025
CB	B57	428	1	B.2.4-5b	0.000107	0.000107	B.2.4-7b	0.00025
CB	B57	428	1.5	B.2.4-5b	0.000107	0.000107	B.2.4-7b	0.00025
CB	B57	428	1.5	B.2.4-5b	0.00011	0.00011	B.2.4-7b	0.00025
CB	B57	428	2	B.2.4-5b	0.000151	0.000151	B.2.4-7b	0.00025
CB	B57	428	2	B.2.4-5b	0.000153	0.000153	B.2.4-7b	0.00025
CB	B57	428	2.5	B.2.4-5b	0.000174	0.000174	B.2.4-7b	0.00025
CB	B57	428	2.5	B.2.4-5b	0.000176	0.000176	B.2.4-7b	0.00025
CB	B57	428	3	B.2.4-2	0.000185	0.000185	B.2.4-7b	0.00025
CB	B57	428	3	B.2.4-2	0.000184	0.000184	B.2.4-7b	0.00025
CB	B57	428	3.5	B.2.4-5b	0.000181	0.000181	B.2.4-7b	0.00025
CB	B57	428	3.5	B.2.4-5b	0.000182	0.000182	B.2.4-7b	0.00025
CB	B57	428	4	B.2.4-5b	0.000161	0.000161	B.2.4-7b	0.00025
CB	B57	428	4	B.2.4-5b	0.000162	0.000162	B.2.4-7b	0.00025
CB	B57	428	4.5	B.2.4-5b	0.000116	0.000116	B.2.4-7b	0.00025
CB	B57	428	4.5	B.2.4-5b	0.000118	0.000118	B.2.4-7b	0.00025
CB	B57	428	5	B.2.4-5b	0.000118	0.000118	B.2.4-7b	0.00025
CB	B57	428	5	B.2.4-5b	0.000119	0.000119	B.2.4-7b	0.00025
CB	B57	428	5.5	B.2.4-5b	0.000119	0.000119	B.2.4-7b	0.00026
CB	B57	428	5.5	B.2.4-5b	0.000117	0.000117	B.2.4-7b	0.00026
CB	B57	428	6	B.2.4-5b	0.000195	0.000195	B.2.4-7b	0.00027
CB	B58	432	0	B.2.4-5b	0.000189	0.000189	B.2.4-7b	0.00029
CB	B58	432	0.5	B.2.4-5b	0.000114	0.000114	B.2.4-7b	0.00028
CB	B58	432	0.5	B.2.4-5b	0.000125	0.000125	B.2.4-7b	0.00028
CB	B58	432	1	B.2.4-5b	0.000125	0.000125	B.2.4-7b	0.00027
CB	B58	432	1	B.2.4-5b	0.000133	0.000133	B.2.4-7b	0.00026
CB	B58	432	1.5	B.2.4-5b	0.000133	0.000133	B.2.4-7b	0.00025
CB	B58	432	1.5	B.2.4-5b	0.000137	0.000137	B.2.4-7b	0.00025
CB	B58	432	2	B.2.4-5b	0.000181	0.000181	B.2.4-7b	0.00025
CB	B58	432	2	B.2.4-5b	0.000185	0.000185	B.2.4-7b	0.00025

Table: Concrete Beam Design Summary - ACI 318-08, Part 2 of 4

Story	Label	UniqueName	Station	AsBotCombo	AsMinBot	AsBot	VCombo	VRebar
Unitless	Unitless	Unitless	m	Unitless	m²	m²	Unitless	m²/m
CB	B58	432	2.5	B.2.4-5b	0.000203	0.000203	B.2.4-7b	0.00025
CB	B58	432	2.5	B.2.4-5b	0.000207	0.000207	B.2.4-7b	0.00025
CB	B58	432	3	B.2.4-5b	0.000204	0.000204	B.2.4-7b	0.00025
CB	B58	432	3	B.2.4-5b	0.000208	0.000208	B.2.4-7b	0.00025
CB	B58	432	3.5	B.2.4-5b	0.00021	0.00021	B.2.4-7b	0.00025
CB	B58	432	3.5	B.2.4-5b	0.000214	0.000214	B.2.4-7b	0.00025
CB	B58	432	4	B.2.4-5b	0.000192	0.000192	B.2.4-7b	0.00025
CB	B58	432	4	B.2.4-5b	0.000196	0.000196	B.2.4-7b	0.00025
CB	B58	432	4.5	B.2.4-5b	0.000157	0.000157	B.2.4-7b	0.00025
CB	B58	432	4.5	B.2.4-5b	0.000163	0.000163	B.2.4-7b	0.00025
CB	B58	432	5	B.2.4-5b	0.000163	0.000163	B.2.4-7b	0.00026
CB	B58	432	5	B.2.4-5b	0.000169	0.000169	B.2.4-7b	0.00027
CB	B58	432	5.5	B.2.4-5b	0.000169	0.000169	B.2.4-7b	0.00028
CB	B58	432	5.5	B.2.4-5b	0.000172	0.000172	B.2.4-7b	0.00028
CB	B58	432	6	B.2.4-5b	0.000257	0.000257	B.2.4-7b	0.00029
CB	B103	436	0	B.2.4-5b	0.000267	0.000267	B.2.4-5b	0.00042
CB	B103	436	0.5	B.2.4-5b	0.000178	0.000178	B.2.4-5b	0.0004
CB	B103	436	0.5	B.2.4-5b	0.000194	0.000194	B.2.4-5b	0.0004
CB	B103	436	1	B.2.4-5b	0.000194	0.000194	B.2.4-5b	0.00039
CB	B103	436	1	B.2.4-5b	0.000207	0.000207	B.2.4-5b	0.00037
CB	B103	436	1.5	B.2.4-5b	0.000207	0.000207	B.2.4-5b	0.00035
CB	B103	436	1.5	B.2.4-5b	0.000215	0.000215	B.2.4-5b	0.00033
CB	B103	436	2	B.2.4-5b	0.000234	0.000234	B.2.4-5b	0.00031
CB	B103	436	2	B.2.4-5b	0.000243	0.000243	B.2.4-5b	0.00029
CB	B103	436	2.5	B.2.4-5b	0.000262	0.000262	B.2.4-5b	0.00027
CB	B103	436	2.5	B.2.4-5b	0.000271	0.000271	B.2.4-7b	0.00025
CB	B103	436	3	B.2.4-5b	0.000271	0.000271	B.2.4-7b	0.00025
CB	B103	436	3	B.2.4-5b	0.00028	0.00028	B.2.4-7b	0.00025
CB	B103	436	3.5	B.2.4-5b	0.000279	0.000279	B.2.4-7b	0.00025
CB	B103	436	3.5	B.2.4-5b	0.000288	0.000288	B.2.4-5b	0.00028
CB	B103	436	4	B.2.4-5b	0.000262	0.000262	B.2.4-5b	0.00029
CB	B103	436	4	B.2.4-5b	0.000269	0.000269	B.2.4-5b	0.00032
CB	B103	436	4.5	B.2.4-5b	0.000255	0.000255	B.2.4-5b	0.00033
CB	B103	436	4.5	B.2.4-5b	0.000264	0.000264	B.2.4-5b	0.00036
CB	B103	436	5	B.2.4-5b	0.000264	0.000264	B.2.4-5b	0.00037
CB	B103	436	5	B.2.4-5b	0.000279	0.000279	B.2.4-5b	0.00038
CB	B103	436	5.5	B.2.4-5b	0.000279	0.000279	B.2.4-5b	0.0004
CB	B103	436	5.5	B.2.4-5b	0.000302	0.000302	B.2.4-5b	0.00039
CB	B103	436	6	B.2.4-5b	0.000401	0.000401	B.2.4-5b	0.00041
CB	B107	489	0	B.2.4-5b	0.000306	0.000306	B.2.4-7b	0.00031
CB	B107	489	0.5	B.2.4-5b	0.000206	0.000206	B.2.4-7b	0.00029
CB	B107	489	0.5	B.2.4-5b	0.000199	0.000199	B.2.4-7b	0.0003
CB	B107	489	1	B.2.4-5b	0.000199	0.000199	B.2.4-7b	0.00029
CB	B107	489	1	B.2.4-5b	0.000191	0.000191	B.2.4-7b	0.00028
CB	B107	489	1.5	B.2.4-5b	0.000191	0.000191	B.2.4-7b	0.00027
CB	B107	489	1.5	B.2.4-5b	0.000184	0.000184	B.2.4-7b	0.00025
CB	B107	489	2	B.2.4-5b	0.000184	0.000184	B.2.4-7b	0.00025
CB	B107	489	2	B.2.4-5b	0.000178	0.000178	B.2.4-7b	0.00025

Table: Concrete Beam Design Summary - ACI 318-08, Part 2 of 4

Story	Label	UniqueName	Station	AsBotCombo	AsMinBot	AsBot	VCombo	VRebar
Unitless	Unitless	Unitless	m	Unitless	m²	m²	Unitless	m²/m
CB	B107	489	2.5	B.2.4-5b	0.000195	0.000195	B.2.4-7b	0.00025
CB	B107	489	2.5	B.2.4-5b	0.00019	0.00019	B.2.4-7b	0.00025
CB	B107	489	3	B.2.4-5b	0.000194	0.000194	B.2.4-7b	0.00025
CB	B107	489	3	B.2.4-5b	0.000189	0.000189	B.2.4-7b	0.00025
CB	B107	489	3.5	B.2.4-5b	0.000196	0.000196	B.2.4-7b	0.00025
CB	B107	489	3.5	B.2.4-5b	0.000192	0.000192	B.2.4-7b	0.00025
CB	B107	489	4	B.2.4-5b	0.000177	0.000177	B.2.4-7b	0.00025
CB	B107	489	4	B.2.4-5b	0.000172	0.000172	B.2.4-7b	0.00025
CB	B107	489	4.5	B.2.4-5b	0.00016	0.00016	B.2.4-7b	0.00025
CB	B107	489	4.5	B.2.4-5b	0.000156	0.000156	B.2.4-7b	0.00027
CB	B107	489	5	B.2.4-5b	0.000156	0.000156	B.2.4-7b	0.00028
CB	B107	489	5	B.2.4-5b	0.000148	0.000148	B.2.4-7b	0.00029
CB	B107	489	5.5	B.2.4-5b	0.000148	0.000148	B.2.4-7b	0.0003
CB	B107	489	5.5	B.2.4-5b	0.000136	0.000136	B.2.4-7b	0.00029
CB	B107	489	6	B.2.4-5b	0.000195	0.000195	B.2.4-7b	0.00031
CB	B108	505	0	B.2.4-5b	0.000199	0.000199	B.2.4-7b	0.00028
CB	B108	505	0.5	B.2.4-5b	0.000124	0.000124	B.2.4-7b	0.00027
CB	B108	505	0.5	B.2.4-5b	0.000126	0.000126	B.2.4-7b	0.00027
CB	B108	505	1	B.2.4-5b	0.000126	0.000126	B.2.4-7b	0.00026
CB	B108	505	1	B.2.4-5b	0.000128	0.000126	B.2.4-7b	0.00025
CB	B108	505	1.5	B.2.4-5b	0.000128	0.000128	B.2.4-7b	0.00025
CB	B108	505	1.5	B.2.4-5b	0.00013	0.00013	B.2.4-7b	0.00025
CB	B108	505	2	B.2.4-5b	0.000177	0.000177	B.2.4-7b	0.00025
CB	B108	505	2	B.2.4-5b	0.000178	0.000178	B.2.4-7b	0.00025
CB	B108	505	2.5	B.2.4-5b	0.000198	0.000198	B.2.4-7b	0.00025
CB	B108	505	2.5	B.2.4-5b	0.000199	0.000199	B.2.4-7b	0.00025
CB	B108	505	3	B.2.4-5b	0.000196	0.000196	B.2.4-7b	0.00025
CB	B108	505	3	B.2.4-5b	0.000197	0.000197	B.2.4-7b	0.00025
CB	B108	505	3.5	B.2.4-5b	0.000199	0.000199	B.2.4-7b	0.00025
CB	B108	505	3.5	B.2.4-5b	0.0002	0.0002	B.2.4-7b	0.00025
CB	B108	505	4	B.2.4-5b	0.000179	0.000179	B.2.4-7b	0.00025
CB	B108	505	4	B.2.4-5b	0.00018	0.00018	B.2.4-7b	0.00025
CB	B108	505	4.5	B.2.4-5b	0.000132	0.000132	B.2.4-7b	0.00025
CB	B108	505	4.5	B.2.4-5b	0.000131	0.000131	B.2.4-7b	0.00025
CB	B108	505	5	B.2.4-5b	0.000131	0.000131	B.2.4-7b	0.00025
CB	B108	505	5	B.2.4-5b	0.00013	0.00013	B.2.4-7b	0.00026
CB	B108	505	5.5	B.2.4-5b	0.00013	0.00013	B.2.4-7b	0.00027
CB	B108	505	5.5	B.2.4-5b	0.000125	0.000125	B.2.4-7b	0.00027
CB	B108	505	6	B.2.4-5b	0.000206	0.000206	B.2.4-7b	0.00028
CB	B110	638	0	B.2.4-5b	0.00021	0.00021	B.2.4-7b	0.00029
CB	B110	638	0.5	B.2.4-5b	0.000129	0.000129	B.2.4-7b	0.00027
CB	B110	638	0.5	B.2.4-5b	0.000135	0.000135	B.2.4-7b	0.00028
CB	B110	638	1	B.2.4-5b	0.000135	0.000135	B.2.4-7b	0.00027
CB	B110	638	1	B.2.4-5b	0.000139	0.000139	B.2.4-7b	0.00026
CB	B110	638	1.5	B.2.4-5b	0.000139	0.000139	B.2.4-7b	0.00025
CB	B110	638	1.5	B.2.4-5b	0.000142	0.000142	B.2.4-7b	0.00025
CB	B110	638	2	B.2.4-5b	0.00019	0.00019	B.2.4-7b	0.00025
CB	B110	638	2	B.2.4-5b	0.000193	0.000193	B.2.4-7b	0.00025

Table: Concrete Beam Design Summary - ACI 318-08, Part 2 of 4

Story	Label	UniqueName	Station	AsBotCombo	AsMinBot	AsBot	VCombo	VRebar
Unitless	Unitless	Unitless	m	Unitless	m²	m²	Unitless	m²/m
CB	B110	638	2.5	B.2.4-5b	0.000215	0.000215	B.2.4-7b	0.00025
CB	B110	638	2.5	B.2.4-5b	0.000218	0.000218	B.2.4-7b	0.00025
CB	B110	638	3	B.2.4-5b	0.000216	0.000216	B.2.4-7b	0.00025
CB	B110	638	3	B.2.4-5b	0.000218	0.000218	B.2.4-7b	0.00025
CB	B110	638	3.5	B.2.4-5b	0.000219	0.000219	B.2.4-7b	0.00025
CB	B110	638	3.5	B.2.4-5b	0.000221	0.000221	B.2.4-7b	0.00025
CB	B110	638	4	B.2.4-5b	0.000201	0.000201	B.2.4-7b	0.00025
CB	B110	638	4	B.2.4-5b	0.000201	0.000201	B.2.4-7b	0.00025
CB	B110	638	4.5	B.2.4-5b	0.000155	0.000155	B.2.4-7b	0.00025
CB	B110	638	4.5	B.2.4-5b	0.000154	0.000154	B.2.4-7b	0.00025
CB	B110	638	5	B.2.4-5b	0.000154	0.000154	B.2.4-7b	0.00026
CB	B110	638	5	B.2.4-5b	0.000152	0.000152	B.2.4-7b	0.00027
CB	B110	638	5.5	B.2.4-5b	0.000152	0.000152	B.2.4-7b	0.00028
CB	B110	638	5.5	B.2.4-5b	0.000146	0.000146	B.2.4-7b	0.00027
CB	B110	638	6	B.2.4-5b	0.000224	0.000224	B.2.4-7b	0.00029
CB	B111	650	0	B.2.4-5b	0.000232	0.000232	B.2.4-7b	0.00027
CB	B111	650	0.5	B.2.4-5b	0.000151	0.000151	B.2.4-7b	0.00026
CB	B111	650	0.5	B.2.4-5b	0.000155	0.000155	B.2.4-7b	0.00027
CB	B111	650	1	B.2.4-5b	0.000155	0.000155	B.2.4-7b	0.00026
CB	B111	650	1	B.2.4-5b	0.000154	0.000154	B.2.4-7b	0.00025
CB	B111	650	1.5	B.2.4-5b	0.000166	0.000166	B.2.4-7b	0.00025
CB	B111	650	1.5	B.2.4-5b	0.000166	0.000166	B.2.4-7b	0.00025
CB	B111	650	2	B.2.4-5b	0.000217	0.000217	B.2.4-7b	0.00025
CB	B111	650	2	B.2.4-5b	0.000216	0.000216	B.2.4-7b	0.00025
CB	B111	650	2.5	B.2.4-5b	0.000241	0.000241	B.2.4-7b	0.00025
CB	B111	650	2.5	B.2.4-5b	0.000239	0.000239	B.2.4-7b	0.00025
CB	B111	650	3	B.2.4-5b	0.000241	0.000241	B.2.4-7b	0.00025
CB	B111	650	3	B.2.4-5b	0.000238	0.000238	B.2.4-7b	0.00025
CB	B111	650	3.5	B.2.4-5b	0.000237	0.000237	B.2.4-7b	0.00025
CB	B111	650	3.5	B.2.4-5b	0.000234	0.000234	B.2.4-7b	0.00025
CB	B111	650	4	B.2.4-5b	0.000218	0.000218	B.2.4-7b	0.00025
CB	B111	650	4	B.2.4-5b	0.000213	0.000213	B.2.4-7b	0.00025
CB	B111	650	4.5	B.2.4-5b	0.000172	0.000172	B.2.4-7b	0.00025
CB	B111	650	4.5	B.2.4-5b	0.000165	0.000165	B.2.4-7b	0.00025
CB	B111	650	5	B.2.4-5b	0.000131	0.000131	B.2.4-7b	0.00025
CB	B111	650	5	B.2.4-5b	0.000124	0.000124	B.2.4-7b	0.00026
CB	B111	650	5.5	B.2.4-5b	0.000124	0.000124	B.2.4-7b	0.00027
CB	B111	650	5.5	B.2.4-5b	0.000114	0.000114	B.2.4-7b	0.00026
CB	B111	650	6	B.2.4-5b	0.000167	0.000167	B.2.4-7b	0.00028
CB	B136	875	0.3	B.2.4-5b	0.000536	0.000536	B.2.4-5b	0.00076
CB	B136	875	0.5	B.2.4-7b	0.000441	0.000441	B.2.4-5b	0.00075
CB	B136	875	0.5	B.2.4-7b	0.000401	0.000401	B.2.4-5b	0.00073
CB	B136	875	1	B.2.4-7b	0.000423	0.000423	B.2.4-5b	0.00071
CB	B136	875	1	B.2.4-7b	0.000375	0.000375	B.2.4-5b	0.00066
CB	B136	875	1.5	B.2.4-5b	0.000409	0.000409	B.2.4-5b	0.00064
CB	B136	875	1.5	B.2.4-5b	0.00037	0.00037	B.2.4-5b	0.00059
CB	B136	875	2	B.2.4-5b	0.000397	0.000397	B.2.4-5b	0.00057
CB	B136	875	2	B.2.4-5b	0.000408	0.000408	B.2.4-5b	0.00051

Table: Concrete Beam Design Summary - ACI 318-08, Part 2 of 4

Story	Label	UniqueName	Station	AsBotCombo	AsMinBot	AsBot	VCombo	VRebar
Unitless	Unitless	Unitless	m	Unitless	m²	m²	Unitless	m²/m
CB	B136	875	2.5	B.2.4-5b	0.000395	0.000395	B.2.4-5b	0.00049
CB	B136	875	2.5	B.2.4-5b	0.000437	0.000437	B.2.4-5b	0.00043
CB	B136	875	3	B.2.4-5b	0.000384	0.000384	B.2.4-5b	0.00041
CB	B136	875	3	B.2.4-5b	0.000422	0.000422	B.2.4-5b	0.00042
CB	B136	875	3.5	B.2.4-5b	0.000473	0.000473	B.2.4-5b	0.00044
CB	B136	875	3.5	B.2.4-5b	0.000503	0.000503	B.2.4-5b	0.0005
CB	B136	875	4	B.2.4-5b	0.000514	0.000514	B.2.4-5b	0.00052
CB	B136	875	4	B.2.4-5b	0.000533	0.000533	B.2.4-5b	0.00057
CB	B136	875	4.5	B.2.4-5b	0.000506	0.000506	B.2.4-5b	0.00059
CB	B136	875	4.5	B.2.4-5b	0.000518	0.000518	B.2.4-5b	0.00064
CB	B136	875	5	B.2.4-7b	0.000475	0.000475	B.2.4-5b	0.00066
CB	B136	875	5	B.2.4-7b	0.000484	0.000484	B.2.4-5b	0.0007
CB	B136	875	5.5	B.2.4-7b	0.000464	0.000464	B.2.4-5b	0.00072
CB	B136	875	5.5	B.2.4-7b	0.00047	0.00047	B.2.4-5b	0.00073
CB	B136	875	5.7	B.2.4-7b	0.000536	0.000536	B.2.4-5b	0.00074
CB	B139	915	0.3	B.2.4-5b	0.000448	0.000448	B.2.4-6b	0.00033
CB	B139	915	0.47143	B.2.4-5b	0.000234	0.000234	B.2.4-6b	0.00033
CB	B139	915	0.47143	B.2.4-5b	0.000226	0.000226	B.2.4-5b	8E-05
CB	B139	915	0.94286	B.2.4-5b	0.000226	0.000226	B.2.4-5b	7E-05
CB	B139	915	0.94286	B.2.4-5b	0.000217	0.000217	B.2.4-1	0.00011
CB	B139	915	1.41429	B.2.4-5b	0.000288	0.000288	B.2.4-1	0.00011
CB	B139	915	1.41429	B.2.4-5b	0.000296	0.000296	B.2.4-7b	4E-05
CB	B139	915	1.88571	B.2.4-5b	0.000429	0.000429	B.2.4-7b	4E-05
CB	B139	915	1.88571	B.2.4-5b	0.000445	0.000445	B.2.4-7b	0.0001
CB	B139	915	2.35714	B.2.4-2	0.000536	0.000536	B.2.4-7b	0.0001
CB	B139	915	2.35714	B.2.4-5b	0.000536	0.000536	B.2.4-7b	0.00033
CB	B139	915	2.82857	B.2.4-5b	0.000536	0.000536	B.2.4-7b	0.00033
CB	B139	915	2.82857	B.2.4-5b	0.000536	0.000536	B.2.4-7b	0.00033
CB	B139	915	3.3	B.2.4-2	0.000536	0.00055	B.2.4-7b	0.00033
CB	B139	915	3.3	B.2.4-2	0.000536	0.000604	B.2.4-1	1E-05
CB	B139	915	3.78	B.2.4-5b	0.000536	0.000536	B.2.4-1	1E-05
CB	B139	915	4.26	B.2.4-5b	0.000408	0.000408	B.2.4-1	1E-05
CB	B139	915	4.74	B.2.4-5b	0.000273	0.000273	B.2.4-5b	1E-05
CB	B139	915	5.22	B.2.4-5b	0.000273	0.000273	B.2.4-5b	3E-05
CB	B139	915	5.7	B.2.4-5b	0.000508	0.000508	B.2.4-5b	5E-05
CB	B142	477	0	B.2.4-5b	0.000285	0.000285	B.2.4-7b	0.00037
CB	B142	477	0.47143	B.2.4-5b	0.000254	0.000254	B.2.4-7b	0.00036
CB	B142	477	0.47143	B.2.4-5b	0.000242	0.000242	B.2.4-7b	0.00025
CB	B142	477	0.5	B.2.4-5b	0.000242	0.000242	B.2.4-7b	0.00025
CB	B142	477	0.5	B.2.4-5b	0.000205	0.000205	B.2.4-7b	0.00036
CB	B142	477	0.94286	B.2.4-5b	0.000205	0.000205	B.2.4-7b	0.00035
CB	B142	477	0.94286	B.2.4-5b	0.000201	0.000201	B.2.4-7b	0.00025
CB	B142	477	1	B.2.4-5b	0.000201	0.000201	B.2.4-7b	0.00025
CB	B142	477	1	B.2.4-5b	0.000163	0.000163	B.2.4-7b	0.00033
CB	B142	477	1.41429	B.2.4-5b	0.000215	0.000215	B.2.4-7b	0.00032
CB	B142	477	1.41429	B.2.4-5b	0.000229	0.000229	B.2.4-7b	0.00025
CB	B142	477	1.5	B.2.4-5b	0.000231	0.000231	B.2.4-7b	0.00025
CB	B142	477	1.5	B.2.4-5b	0.00021	0.00021	B.2.4-7b	0.00029

Table: Concrete Beam Design Summary - ACI 318-08, Part 2 of 4

Story	Label	UniqueName	Station	AsBotCombo	AsMinBot	AsBot	VCombo	VRebar
Unitless	Unitless	Unitless	m	Unitless	m²	m²	Unitless	m²/m
CB	B142	477	1.88571	B.2.4-5b	0.000256	0.000256	B.2.4-7b	0.00028
CB	B142	477	1.88571	B.2.4-5b	0.000269	0.000269	B.2.4-7b	0.00025
CB	B142	477	2	B.2.4-5b	0.000272	0.000272	B.2.4-7b	0.00025
CB	B142	477	2	B.2.4-2	0.000278	0.000278	B.2.4-7b	0.00026
CB	B142	477	2.35714	B.2.4-2	0.000311	0.000311	B.2.4-7b	0.00025
CB	B142	477	2.35714	B.2.4-2	0.000317	0.000317	B.2.4-7b	0.00025
CB	B142	477	2.5	B.2.4-2	0.000321	0.000321	B.2.4-7b	0.00025
CB	B142	477	2.5	B.2.4-5b	0.000333	0.000333	B.2.4-7b	0.00025
CB	B142	477	2.82857	B.2.4-5b	0.00034	0.00034	B.2.4-7b	0.00025
CB	B142	477	2.82857	B.2.4-5b	0.000348	0.000348	B.2.4-7b	0.00025
CB	B142	477	3	B.2.4-5b	0.000351	0.000351	B.2.4-7b	0.00025
CB	B142	477	3	B.2.4-5b	0.000382	0.000382	B.2.4-7b	0.00025
CB	B142	477	3.3	B.2.4-5b	0.000394	0.000394	B.2.4-7b	0.00025
CB	B142	477	3.3	B.2.4-5b	0.000402	0.000402	B.2.4-7b	0.00025
CB	B142	477	3.5	B.2.4-5b	0.000402	0.000402	B.2.4-7b	0.00026
CB	B142	477	3.5	B.2.4-5b	0.000399	0.000399	B.2.4-7b	0.0003
CB	B142	477	4	B.2.4-5b	0.000306	0.000306	B.2.4-7b	0.00031
CB	B142	477	4	B.2.4-5b	0.000297	0.000297	B.2.4-7b	0.00032
CB	B142	477	4.5	B.2.4-5b	0.0002	0.0002	B.2.4-7b	0.00033
CB	B142	477	4.5	B.2.4-5b	0.000206	0.000206	B.2.4-7b	0.00034
CB	B142	477	5	B.2.4-5b	0.000206	0.000206	B.2.4-7b	0.00035
CB	B142	477	5	B.2.4-5b	0.000213	0.000213	B.2.4-7b	0.00035
CB	B142	477	5.5	B.2.4-5b	0.000213	0.000213	B.2.4-7b	0.00037
CB	B142	477	5.5	B.2.4-5b	0.000217	0.000217	B.2.4-7b	0.00036
CB	B142	477	6	B.2.4-5b	0.000336	0.000336	B.2.4-7b	0.00037
CB	B185	855	0	B.2.4-7b	0.000182	0.000182	B.2.4-7b	0.00025
CB	B185	855	0.5	B.2.4-5b	0.000167	0.000167	B.2.4-7b	0.00025
CB	B185	855	1	B.2.4-5b	0.000148	0.000148	B.2.4-7b	0.00025
CB	B185	855	1.5	B.2.4-5b	0.000121	0.000121	B.2.4-7b	0.00025
CB	B185	855	2	B.2.4-5b	8.5E-05	8.5E-05	B.2.4-7b	0.00025
CB	B185	855	2.5	B.2.4-5b	6E-05	6E-05	B.2.4-7b	0.00025
CB	B185	855	3	B.2.4-5b	8.9E-05	8.9E-05	B.2.4-7b	0.00025
CB	B185	855	3.5	B.2.4-5b	0.000109	0.000109	B.2.4-7b	0.00025
CB	B185	855	4	B.2.4-7b	0.000124	0.000124	B.2.4-7b	0.00025
CB	B188	862	0.2	B.2.4-5b	4.6E-05	4.6E-05	B.2.4-5b	0.00032
CB	B188	862	0.47	B.2.4-5b	2.6E-05	2.6E-05	B.2.4-7b	0.00031
CB	B188	862	0.74	B.2.4-5b	1.2E-05	1.2E-05	B.2.4-5b	0.00032
CB	B189	874	0.2	B.2.4-5b	4.7E-05	4.7E-05	B.2.4-5b	0.00031
CB	B189	874	0.47	B.2.4-5b	2.5E-05	2.5E-05	B.2.4-7b	0.0003
CB	B189	874	0.74	B.2.4-7b	9E-06	9E-06	B.2.4-5b	0.00031
CB	B814	642	0.2	B.2.4-5b	0.000148	0.000148	B.2.4-5b	0.00054
CB	B814	642	0.47143	B.2.4-5b	0.000194	0.000194	B.2.4-5b	0.00052
CB	B814	642	0.47143	B.2.4-5b	0.000201	0.000201	B.2.4-5b	0.00048
CB	B814	642	0.94286	B.2.4-5b	0.000248	0.000248	B.2.4-5b	0.00046
CB	B814	642	0.94286	B.2.4-5b	0.000253	0.000253	B.2.4-5b	0.00039
CB	B814	642	1.41429	B.2.4-5b	0.000257	0.000257	B.2.4-5b	0.00038
CB	B814	642	1.41429	B.2.4-5b	0.000258	0.000258	B.2.4-7b	0.00033
CB	B814	642	1.88571	B.2.4-2	0.000216	0.000216	B.2.4-7b	0.00033

Table: Concrete Beam Design Summary - ACI 318-08, Part 2 of 4

Story	Label	UniqueName	Station	AsBotCombo	AsMinBot	AsBot	VCombo	VRebar
Unitless	Unitless	Unitless	m	Unitless	m²	m²	Unitless	m²/m
CB	B814	642	1.88571	B.2.4-5b	0.000213	0.000213	B.2.4-5b	0.0004
CB	B814	642	2.35714	B.2.4-5b	0.000177	0.000177	B.2.4-5b	0.00042
CB	B814	642	2.35714	B.2.4-5b	0.000176	0.000176	B.2.4-5b	0.00049
CB	B814	642	2.82857	B.2.4-5b	0.000103	0.000103	B.2.4-5b	0.00051
CB	B814	642	2.82857	B.2.4-7b	0.0001	0.0001	B.2.4-5b	0.00057
CB	B814	642	3.3	B.2.4-7b	7.9E-05	7.9E-05	B.2.4-5b	0.00059
CB	B814	642	3.3	B.2.4-7b	0.000119	0.000119	B.2.4-5b	0.00038
CB	B814	642	3.79	B.2.4-7b	9.3E-05	9.3E-05	B.2.4-5b	0.00036
CB	B814	642	4.28	B.2.4-7b	9.3E-05	9.3E-05	B.2.4-5b	0.00034
CB	B814	642	4.77	B.2.4-7b	9.3E-05	9.3E-05	B.2.4-7b	0.00033
CB	B814	642	5.26	B.2.4-7b	0.000136	0.000136	B.2.4-7b	0.00033
CB	B814	642	5.75	B.2.4-7b	0.000194	0.000194	B.2.4-7b	0.00033
CB	B130	490	0.3	B.2.4-7b	0.000473	0.000473	B.2.4-5b	0.00068
CB	B130	490	0.44667	B.2.4-7b	0.000443	0.000443	B.2.4-5b	0.00068
CB	B130	490	0.44667	B.2.4-7b	0.000442	0.000442	B.2.4-5b	0.00067
CB	B130	490	0.89333	B.2.4-7b	0.000354	0.000354	B.2.4-5b	0.00065
CB	B130	490	0.89333	B.2.4-7b	0.000352	0.000352	B.2.4-5b	0.00062
CB	B130	490	1.34	B.2.4-5b	0.00027	0.00027	B.2.4-5b	0.0006
CB	B130	490	1.34	B.2.4-5b	0.000268	0.000268	B.2.4-5b	0.00057
CB	B130	490	1.78667	B.2.4-5b	0.000187	0.000187	B.2.4-5b	0.00055
CB	B130	490	1.78667	B.2.4-5b	0.000188	0.000188	B.2.4-5b	0.00051
CB	B130	490	2.23333	B.2.4-5b	0.000188	0.000188	B.2.4-5b	0.00051
CB	B130	490	2.23333	B.2.4-5b	0.00019	0.00019	B.2.4-5b	0.00054
CB	B130	490	2.68	B.2.4-5b	0.000297	0.000297	B.2.4-5b	0.00056
CB	B130	490	2.68	B.2.4-5b	0.000304	0.000304	B.2.4-5b	0.0006
CB	B130	490	3.12667	B.2.4-5b	0.000399	0.000399	B.2.4-5b	0.00061
CB	B130	490	3.12667	B.2.4-5b	0.000406	0.000406	B.2.4-5b	0.00064
CB	B130	490	3.57333	B.2.4-7b	0.000494	0.000494	B.2.4-5b	0.00066
CB	B130	490	3.57333	B.2.4-7b	0.000502	0.000502	B.2.4-5b	0.00068
CB	B130	490	3.77	B.2.4-7b	0.000536	0.000536	B.2.4-5b	0.00069
CB	B131	486	0.3	B.2.4-7b	0.000324	0.000324	B.2.4-5b	0.00041
CB	B131	486	0.79571	B.2.4-7b	0.000249	0.000249	B.2.4-5b	0.00039
CB	B131	486	1.29143	B.2.4-5b	0.000166	0.000166	B.2.4-5b	0.00037
CB	B131	486	1.78714	B.2.4-7b	9.6E-05	9.6E-05	B.2.4-5b	0.00035
CB	B131	486	2.28286	B.2.4-7b	9.6E-05	9.6E-05	B.2.4-5b	0.00035
CB	B131	486	2.77857	B.2.4-7b	0.000169	0.000169	B.2.4-5b	0.00037
CB	B131	486	3.27429	B.2.4-7b	0.000253	0.000253	B.2.4-5b	0.00039
CB	B131	486	3.77	B.2.4-7b	0.00033	0.00033	B.2.4-5b	0.00041
CB	B478	433	0.25	B.2.4-5b	0.000309	0.000309	B.2.4-7b	0.00018
CB	B478	433	0.42167	B.2.4-5b	0.000168	0.000168	B.2.4-7b	0.00017
CB	B478	433	0.42167	B.2.4-5b	0.000166	0.000166	B.2.4-7b	0.00017
CB	B478	433	0.84333	B.2.4-7b	0.000223	0.000223	B.2.4-7b	0.00015
CB	B478	433	0.84333	B.2.4-7b	0.000224	0.000224	B.2.4-7b	0.00014
CB	B478	433	1.265	B.2.4-5b	0.000282	0.000282	B.2.4-7b	0.00012
CB	B478	433	1.265	B.2.4-5b	0.000285	0.000285	B.2.4-7b	1E-05
CB	B478	433	1.68667	B.2.4-5b	0.000356	0.000356	B.2.4-7b	1E-05
CB	B478	433	1.68667	B.2.4-5b	0.00036	0.00036	B.2.4-7b	5E-05
CB	B478	433	2.10833	B.2.4-5b	0.000413	0.000413	B.2.4-7b	5E-05

Table: Concrete Beam Design Summary - ACI 318-08, Part 2 of 4

Story	Label	UniqueName	Station	AsBotCombo	AsMinBot	AsBot	VCombo	VRebar
Unitless	Unitless	Unitless	m	Unitless	m²	m²	Unitless	m²/m
CB	B478	433	2.10833	B.2.4-5b	0.000413	0.000413	B.2.4-7b	8E-05
CB	B478	433	2.53	B.2.4-5b	0.000454	0.000454	B.2.4-7b	8E-05
CB	B478	433	2.53	B.2.4-5b	0.000504	0.000504	B.2.4-7b	0.00033
CB	B478	433	2.99833	B.2.4-5b	0.000453	0.000453	B.2.4-7b	0.00033
CB	B478	433	3.46667	B.2.4-5b	0.000392	0.000392	B.2.4-7b	0.00033
CB	B478	433	3.935	B.2.4-3b	0.000326	0.000326	B.2.4-7b	0.00033
CB	B478	433	4.40333	B.2.4-3b	0.000274	0.000274	B.2.4-7b	0.00033
CB	B478	433	4.87167	B.2.4-5b	0.000222	0.000222	B.2.4-7b	0.00033
CB	B478	433	5.34	B.2.4-5b	0.000212	0.000212	B.2.4-7b	0.00033
CB	B478	433	5.80833	B.2.4-5b	0.000193	0.000193	B.2.4-7b	0.00033
CB	B478	433	6.27667	B.2.4-7b	0.000182	0.000182	B.2.4-7b	0.00033
CB	B478	433	6.745	B.2.4-7b	0.000167	0.000167	B.2.4-7b	0.00033
CB	B478	433	7.21333	B.2.4-5b	0.000157	0.000157	B.2.4-7b	0.00033
CB	B478	433	7.68167	B.2.4-5b	0.000157	0.000157	B.2.4-7b	0.00033
CB	B478	433	8.15	B.2.4-5b	0.000343	0.000343	B.2.4-7b	0.00033
CB	B479	682	0	B.2.4-5b	0.000136	0.000136	B.2.4-5b	0.00025
CB	B479	682	0.44667	B.2.4-5b	8.4E-05	8.4E-05	B.2.4-7b	0.00025
CB	B479	682	0.44667	B.2.4-5b	8.5E-05	8.5E-05	B.2.4-7b	0.00025
CB	B479	682	0.89333	B.2.4-5b	8.5E-05	8.5E-05	B.2.4-7b	0.00025
CB	B479	682	0.89333	B.2.4-5b	8.4E-05	8.4E-05	B.2.4-7b	0.00025
CB	B479	682	1.34	B.2.4-5b	8.4E-05	8.4E-05	B.2.4-7b	0.00025
CB	B479	682	1.34	B.2.4-5b	8E-05	8E-05	B.2.4-7b	0.00025
CB	B479	682	1.78667	B.2.4-5b	9.5E-05	9.5E-05	B.2.4-7b	0.00025
CB	B479	682	1.78667	B.2.4-2	9.3E-05	9.3E-05	B.2.4-7b	0.00025
CB	B479	682	2.23333	B.2.4-5b	0.00012	0.00012	B.2.4-7b	0.00025
CB	B479	682	2.23333	B.2.4-5b	0.000117	0.000117	B.2.4-7b	0.00025
CB	B479	682	2.68	B.2.4-5b	0.000131	0.000131	B.2.4-7b	0.00025
CB	B479	682	2.68	B.2.4-5b	0.000131	0.000131	B.2.4-7b	0.00025
CB	B479	682	3.12667	B.2.4-5b	0.000124	0.000124	B.2.4-7b	0.00025
CB	B479	682	3.12667	B.2.4-5b	0.000127	0.000127	B.2.4-7b	0.00025
CB	B479	682	3.57333	B.2.4-5b	0.000101	0.000101	B.2.4-7b	0.00025
CB	B479	682	3.57333	B.2.4-5b	0.000105	0.000105	B.2.4-5b	0.00025
CB	B479	682	4.02	B.2.4-5b	9.7E-05	9.7E-05	B.2.4-5b	0.00027
CB	B4	1007	0.2	B.2.4-5b	0.000147	0.000147	B.2.4-5b	0.00041
CB	B4	1007	0.49625	B.2.4-7b	0.000113	0.000113	B.2.4-5b	0.0004
CB	B4	1007	0.49625	B.2.4-7b	0.000112	0.000112	B.2.4-5b	0.00039
CB	B4	1007	0.9925	B.2.4-5b	0.000125	0.000125	B.2.4-5b	0.00037
CB	B4	1007	0.9925	B.2.4-5b	0.000125	0.000125	B.2.4-5b	0.00034
CB	B4	1007	1.48875	B.2.4-5b	0.00013	0.00013	B.2.4-7b	0.00033
CB	B4	1007	1.48875	B.2.4-5b	0.00013	0.00013	B.2.4-7b	0.00033
CB	B4	1007	1.985	B.2.4-5b	0.00017	0.00017	B.2.4-7b	0.00033
CB	B4	1007	1.985	B.2.4-5b	0.000172	0.000172	B.2.4-7b	0.00033
CB	B4	1007	2.48125	B.2.4-5b	0.000221	0.000221	B.2.4-7b	0.00033
CB	B4	1007	2.48125	B.2.4-5b	0.000223	0.000223	B.2.4-7b	0.00033
CB	B4	1007	2.9775	B.2.4-5b	0.000239	0.000239	B.2.4-5b	0.00034
CB	B4	1007	2.9775	B.2.4-5b	0.00024	0.00024	B.2.4-5b	0.00037
CB	B4	1007	3.47375	B.2.4-5b	0.000228	0.000228	B.2.4-5b	0.00039
CB	B4	1007	3.47375	B.2.4-5b	0.000228	0.000228	B.2.4-5b	0.00041

Table: Concrete Beam Design Summary - ACI 318-08, Part 2 of 4

Story	Label	UniqueName	Station	AsBotCombo	AsMinBot	AsBot	VCombo	VRebar
Unitless	Unitless	Unitless	m	Unitless	m²	m²	Unitless	m²/m
CB	B4	1007	3.77	B.2.4-7b	0.000228	0.000228	B.2.4-5b	0.00043
CB	B18	716	0.3	B.2.4-5b	0.000483	0.000483	B.2.4-5b	0.00068
CB	B18	716	0.45625	B.2.4-7b	0.000446	0.000446	B.2.4-5b	0.00067
CB	B18	716	0.45625	B.2.4-7b	0.000432	0.000432	B.2.4-5b	0.00067
CB	B18	716	0.9125	B.2.4-7b	0.000374	0.000374	B.2.4-5b	0.00065
CB	B18	716	0.9125	B.2.4-7b	0.00036	0.00036	B.2.4-5b	0.00063
CB	B18	716	1.36875	B.2.4-5b	0.000315	0.000315	B.2.4-5b	0.00061
CB	B18	716	1.36875	B.2.4-5b	0.000302	0.000302	B.2.4-5b	0.00057
CB	B18	716	1.825	B.2.4-5b	0.000302	0.000302	B.2.4-5b	0.00055
CB	B18	716	1.825	B.2.4-5b	0.00029	0.00029	B.2.4-5b	0.00054
CB	B18	716	2.28125	B.2.4-5b	0.00029	0.00029	B.2.4-5b	0.00056
CB	B18	716	2.28125	B.2.4-5b	0.000278	0.000278	B.2.4-5b	0.0006
CB	B18	716	2.7375	B.2.4-7b	0.000281	0.000281	B.2.4-5b	0.00062
CB	B18	716	2.7375	B.2.4-7b	0.000273	0.000273	B.2.4-5b	0.00065
CB	B18	716	3.19375	B.2.4-7b	0.000336	0.000336	B.2.4-5b	0.00067
CB	B18	716	3.19375	B.2.4-7b	0.000328	0.000328	B.2.4-5b	0.00069
CB	B18	716	3.4	B.2.4-7b	0.000355	0.000355	B.2.4-5b	0.0007
CB	B77	718	0.25	B.2.4-5b	0.000305	0.000305	B.2.4-5b	0.00056
CB	B77	718	0.475	B.2.4-7b	0.000273	0.000273	B.2.4-5b	0.00055
CB	B77	718	0.475	B.2.4-7b	0.000263	0.000263	B.2.4-5b	0.00053
CB	B77	718	0.95	B.2.4-5b	0.000277	0.000277	B.2.4-5b	0.00051
CB	B77	718	0.95	B.2.4-5b	0.000267	0.000267	B.2.4-5b	0.00048
CB	B77	718	1.425	B.2.4-5b	0.000293	0.000293	B.2.4-5b	0.00046
CB	B77	718	1.425	B.2.4-5b	0.000281	0.000281	B.2.4-5b	0.00042
CB	B77	718	1.9	B.2.4-5b	0.000275	0.000275	B.2.4-5b	0.0004
CB	B77	718	1.9	B.2.4-5b	0.000263	0.000263	B.2.4-5b	0.00035
CB	B77	718	2.375	B.2.4-5b	0.000235	0.000235	B.2.4-7b	0.00033
CB	B77	718	2.375	B.2.4-5b	0.000226	0.000226	B.2.4-7b	0.00033
CB	B77	718	2.85	B.2.4-5b	0.00026	0.00026	B.2.4-5b	0.00035
CB	B77	718	2.85	B.2.4-5b	0.000252	0.000252	B.2.4-5b	0.00039
CB	B77	718	3.325	B.2.4-5b	0.000252	0.000252	B.2.4-5b	0.00041
CB	B77	718	3.325	B.2.4-5b	0.000246	0.000246	B.2.4-5b	0.00046
CB	B77	718	3.8	B.2.4-7b	0.000218	0.000218	B.2.4-5b	0.00048
CB	B77	718	3.8	B.2.4-7b	0.000217	0.000217	B.2.4-5b	0.00051
CB	B77	718	4.275	B.2.4-7b	0.000202	0.000202	B.2.4-5b	0.00053
CB	B77	718	4.275	B.2.4-7b	0.000203	0.000203	B.2.4-5b	0.00056
CB	B77	718	4.5	B.2.4-5b	0.00026	0.00026	B.2.4-5b	0.00057
CB	B80	115	0.25	B.2.4-5b	0.000267	0.000267	B.2.4-4b	0.00033
CB	B80	115	0.47143	B.2.4-5b	0.000156	0.000156	B.2.4-4b	0.00033
CB	B80	115	0.47143	B.2.4-5b	0.000161	0.000161	B.2.4-4b	0.00033
CB	B80	115	0.94286	B.2.4-5b	0.000165	0.000165	B.2.4-4b	0.00033
CB	B80	115	0.94286	B.2.4-5b	0.000177	0.000177	B.2.4-7b	0.00033
CB	B80	115	1.41429	B.2.4-5b	0.000315	0.000315	B.2.4-7b	0.00033
CB	B80	115	1.41429	B.2.4-5b	0.000322	0.000322	B.2.4-5b	0.00033
CB	B80	115	1.88571	B.2.4-5b	0.000413	0.000413	B.2.4-5b	0.00033
CB	B80	115	1.88571	B.2.4-5b	0.000415	0.000415	B.2.4-5b	0.00033
CB	B80	115	2.35714	B.2.4-2	0.000485	0.000485	B.2.4-7b	0
CB	B80	115	2.35714	B.2.4-2	0.000486	0.000486	B.2.4-7b	0

Table: Concrete Beam Design Summary - ACI 318-08, Part 2 of 4

Story	Label	UniqueName	Station	AsBotCombo	AsMinBot	AsBot	VCombo	VRebar
Unitless	Unitless	Unitless	m	Unitless	m²	m²	Unitless	m²/m
CB	B80	115	2.82857	B.2.4-2	0.000536	0.000536	B.2.4-7b	0
CB	B80	115	2.82857	B.2.4-2	0.000532	0.000532	B.2.4-7b	0
CB	B80	115	3.3	B.2.4-2	0.000536	0.000536	B.2.4-7b	0
CB	B80	115	3.3	B.2.4-5b	0.000536	0.000536	B.2.4-7b	0.00033
CB	B80	115	3.79	B.2.4-2	0.000431	0.000431	B.2.4-7b	0.00033
CB	B80	115	4.28	B.2.4-5b	0.000281	0.000281	B.2.4-7b	0.00033
CB	B80	115	4.77	B.2.4-7b	0.000153	0.000153	B.2.4-7b	0.00033
CB	B80	115	5.26	B.2.4-5b	0.000144	0.000144	B.2.4-7b	0.00033
CB	B80	115	5.75	B.2.4-5b	0.000324	0.000324	B.2.4-7b	0.00033
CB	B143	1011	0.2	B.2.4-5b	0.000175	0.000175	B.2.4-5b	0.00034
CB	B143	1011	0.47143	B.2.4-5b	0.000179	0.000179	B.2.4-5b	0.00033
CB	B143	1011	0.47143	B.2.4-5b	0.000177	0.000177	B.2.4-5b	0.00032
CB	B143	1011	0.94286	B.2.4-5b	0.000172	0.000172	B.2.4-5b	0.0003
CB	B143	1011	0.94286	B.2.4-5b	0.00017	0.00017	B.2.4-5b	0.00027
CB	B143	1011	1.41429	B.2.4-5b	0.000142	0.000142	B.2.4-5b	0.00026
CB	B143	1011	1.41429	B.2.4-5b	0.000139	0.000139	B.2.4-7b	0.00025
CB	B143	1011	1.88571	B.2.4-5b	0.000132	0.000132	B.2.4-7b	0.00025
CB	B143	1011	1.88571	B.2.4-5b	0.000134	0.000134	B.2.4-5b	0.00026
CB	B143	1011	2.35714	B.2.4-5b	0.00015	0.00015	B.2.4-5b	0.00027
CB	B143	1011	2.35714	B.2.4-5b	0.000151	0.000151	B.2.4-5b	0.0003
CB	B143	1011	2.82857	B.2.4-5b	0.000145	0.000145	B.2.4-5b	0.00032
CB	B143	1011	2.82857	B.2.4-5b	0.000145	0.000145	B.2.4-5b	0.00034
CB	B143	1011	3.1	B.2.4-7b	0.00015	0.00015	B.2.4-5b	0.00035
CB	B153	1015	0	B.2.4-5b	7E-05	7E-05	B.2.4-5b	0.00035
CB	B153	1015	0.5	B.2.4-5b	0.000132	0.000132	B.2.4-5b	0.00033
CB	B153	1015	0.5	B.2.4-5b	0.000128	0.000128	B.2.4-5b	0.00032
CB	B153	1015	1	B.2.4-5b	0.000128	0.000128	B.2.4-5b	0.00031
CB	B153	1015	1	B.2.4-5b	0.000126	0.000126	B.2.4-5b	0.00028
CB	B153	1015	1.5	B.2.4-5b	0.000126	0.000126	B.2.4-5b	0.00027
CB	B153	1015	1.5	B.2.4-5b	0.000124	0.000124	B.2.4-7b	0.00025
CB	B153	1015	2	B.2.4-5b	0.000124	0.000124	B.2.4-7b	0.00025
CB	B153	1015	2	B.2.4-5b	0.000123	0.000123	B.2.4-7b	0.00025
CB	B153	1015	2.5	B.2.4-5b	0.000123	0.000123	B.2.4-7b	0.00025
CB	B153	1015	2.5	B.2.4-5b	0.000123	0.000123	B.2.4-5b	0.00027
CB	B153	1015	3	B.2.4-5b	0.000123	0.000123	B.2.4-5b	0.00029
CB	B153	1015	3	B.2.4-5b	0.000125	0.000125	B.2.4-5b	0.00032
CB	B153	1015	3.5	B.2.4-5b	0.000125	0.000125	B.2.4-5b	0.00034
CB	B153	1015	3.5	B.2.4-5b	0.000129	0.000129	B.2.4-5b	0.00035
CB	B153	1015	3.8	B.2.4-5b	0.000223	0.000223	B.2.4-5b	0.00036
CB	B175	1019	0.2	B.2.4-5b	0.000182	0.000182	B.2.4-5b	0.00039
CB	B175	1019	0.49625	B.2.4-7b	0.000106	0.000106	B.2.4-5b	0.00038
CB	B175	1019	0.49625	B.2.4-7b	9.6E-05	9.6E-05	B.2.4-5b	0.00037
CB	B175	1019	0.9925	B.2.4-5b	0.0001	0.0001	B.2.4-5b	0.00036
CB	B175	1019	0.9925	B.2.4-5b	9.3E-05	9.3E-05	B.2.4-5b	0.00033
CB	B175	1019	1.48875	B.2.4-5b	0.000103	0.000103	B.2.4-5b	0.00031
CB	B175	1019	1.48875	B.2.4-5b	9.9E-05	9.9E-05	B.2.4-5b	0.00027
CB	B175	1019	1.985	B.2.4-5b	0.000116	0.000116	B.2.4-5b	0.00026
CB	B175	1019	1.985	B.2.4-5b	0.000117	0.000117	B.2.4-5b	0.00026

Table: Concrete Beam Design Summary - ACI 318-08, Part 2 of 4

Story	Label	UniqueName	Station	AsBotCombo	AsMinBot	AsBot	VCombo	VRebar
Unitless	Unitless	Unitless	m	Unitless	m²	m²	Unitless	m²/m
CB	B175	1019	2.48125	B.2.4-5b	0.000163	0.000163	B.2.4-5b	0.00027
CB	B175	1019	2.48125	B.2.4-5b	0.000164	0.000164	B.2.4-5b	0.00031
CB	B175	1019	2.9775	B.2.4-5b	0.000181	0.000181	B.2.4-5b	0.00032
CB	B175	1019	2.9775	B.2.4-5b	0.000182	0.000182	B.2.4-5b	0.00036
CB	B175	1019	3.47375	B.2.4-7b	0.000175	0.000175	B.2.4-5b	0.00037
CB	B175	1019	3.47375	B.2.4-7b	0.000177	0.000177	B.2.4-5b	0.00039
CB	B175	1019	3.77	B.2.4-7b	0.000181	0.000181	B.2.4-5b	0.0004
CB	B204	713	0	B.2.4-5b	0.000187	0.000187	B.2.4-7b	0.00027
CB	B204	713	0.475	B.2.4-5b	0.000135	0.000135	B.2.4-7b	0.00026
CB	B204	713	0.475	B.2.4-5b	0.000122	0.000122	B.2.4-7b	0.00025
CB	B204	713	0.95	B.2.4-5b	0.000124	0.000124	B.2.4-7b	0.00025
CB	B204	713	0.95	B.2.4-5b	0.000114	0.000114	B.2.4-7b	0.00025
CB	B204	713	1.425	B.2.4-5b	0.000174	0.000174	B.2.4-7b	0.00025
CB	B204	713	1.425	B.2.4-5b	0.000166	0.000166	B.2.4-7b	0.00025
CB	B204	713	1.9	B.2.4-5b	0.000203	0.000203	B.2.4-7b	0.00025
CB	B204	713	1.9	B.2.4-5b	0.000196	0.000196	B.2.4-7b	0.00025
CB	B204	713	2.375	B.2.4-5b	0.000211	0.000211	B.2.4-7b	0.00025
CB	B204	713	2.375	B.2.4-5b	0.000207	0.000207	B.2.4-7b	0.00025
CB	B204	713	2.85	B.2.4-5b	0.000203	0.000203	B.2.4-7b	0.00025
CB	B204	713	2.85	B.2.4-5b	0.000203	0.000203	B.2.4-7b	0.00025
CB	B204	713	3.325	B.2.4-5b	0.000176	0.000176	B.2.4-7b	0.00025
CB	B204	713	3.325	B.2.4-5b	0.000181	0.000181	B.2.4-7b	0.00025
CB	B204	713	3.8	B.2.4-5b	0.000131	0.000131	B.2.4-7b	0.00025
CB	B204	713	3.8	B.2.4-5b	0.000143	0.000143	B.2.4-7b	0.00025
CB	B204	713	4.275	B.2.4-5b	0.00011	0.00011	B.2.4-7b	0.00025
CB	B204	713	4.275	B.2.4-5b	0.000129	0.000129	B.2.4-7b	0.00026
CB	B204	713	4.75	B.2.4-5b	0.000145	0.000145	B.2.4-7b	0.00027
CB	B231	678	0	B.2.4-5b	0.000329	0.000329	B.2.4-7b	0.0004
CB	B231	678	0.48917	B.2.4-5b	0.000402	0.000402	B.2.4-7b	0.00038
CB	B231	678	0.48917	B.2.4-5b	0.000402	0.000402	B.2.4-7b	0.00037
CB	B231	678	0.97833	B.2.4-5b	0.000402	0.000402	B.2.4-7b	0.00035
CB	B231	678	0.97833	B.2.4-5b	0.000402	0.000402	B.2.4-7b	0.00033
CB	B231	678	1.4675	B.2.4-7b	0.000402	0.000402	B.2.4-7b	0.00032
CB	B231	678	1.4675	B.2.4-5b	0.000402	0.000402	B.2.4-7b	0.0003
CB	B231	678	1.95667	B.2.4-5b	0.000402	0.000402	B.2.4-7b	0.00029
CB	B231	678	1.95667	B.2.4-5b	0.000402	0.000402	B.2.4-7b	0.00027
CB	B231	678	2.44583	B.2.4-5b	0.000402	0.000402	B.2.4-7b	0.00025
CB	B231	678	2.44583	B.2.4-5b	0.000402	0.000402	B.2.4-7b	0.00025
CB	B231	678	2.935	B.2.4-5b	0.000402	0.000402	B.2.4-7b	0.00025
CB	B231	678	2.935	B.2.4-5b	0.000402	0.000402	B.2.4-7b	0.00025
CB	B231	678	3.42417	B.2.4-5b	0.000402	0.000402	B.2.4-7b	0.00025
CB	B231	678	3.42417	B.2.4-5b	0.000395	0.000395	B.2.4-7b	0.00026
CB	B231	678	3.91333	B.2.4-5b	0.000306	0.000306	B.2.4-7b	0.00028
CB	B231	678	3.91333	B.2.4-5b	0.000294	0.000294	B.2.4-7b	0.00029
CB	B231	678	4.4025	B.2.4-5b	0.000257	0.000257	B.2.4-7b	0.0003
CB	B231	678	4.4025	B.2.4-5b	0.000248	0.000248	B.2.4-7b	0.00032
CB	B231	678	4.89167	B.2.4-5b	0.000248	0.000248	B.2.4-7b	0.00033
CB	B231	678	4.89167	B.2.4-5b	0.000238	0.000238	B.2.4-7b	0.00034

Table: Concrete Beam Design Summary - ACI 318-08, Part 2 of 4

Story	Label	UniqueName	Station	AsBotCombo	AsMinBot	AsBot	VCombo	VRebar
Unitless	Unitless	Unitless	m	Unitless	m²	m²	Unitless	m²/m
CB	B231	678	5.38083	B.2.4-5b	0.000238	0.000238	B.2.4-7b	0.00035
CB	B231	678	5.38083	B.2.4-5b	0.000227	0.000227	B.2.4-7b	0.00035
CB	B231	678	5.87	B.2.4-5b	0.000358	0.000358	B.2.4-7b	0.00036
CB	B3	79	0.3	B.2.4-5b	0.000459	0.000459	B.2.4-5b	0.00056
CB	B3	79	0.74286	B.2.4-5b	0.000372	0.000372	B.2.4-5b	0.00054
CB	B3	79	1.18571	B.2.4-5b	0.000277	0.000277	B.2.4-5b	0.00052
CB	B3	79	1.62857	B.2.4-7b	0.000195	0.000195	B.2.4-5b	0.00051
CB	B3	79	2.07143	B.2.4-7b	0.000195	0.000195	B.2.4-5b	0.00051
CB	B3	79	2.51429	B.2.4-7b	0.000197	0.000197	B.2.4-5b	0.00052
CB	B3	79	2.95714	B.2.4-7b	0.000288	0.000288	B.2.4-5b	0.00054
CB	B3	79	3.4	B.2.4-7b	0.000372	0.000372	B.2.4-5b	0.00056
CB	B9	81	0.25	B.2.4-7b	0.000241	0.000241	B.2.4-7b	0.00033
CB	B9	81	0.72222	B.2.4-7b	0.000214	0.000214	B.2.4-7b	0.00033
CB	B9	81	1.19444	B.2.4-7b	0.000181	0.000181	B.2.4-7b	0.00033
CB	B9	81	1.66667	B.2.4-7b	0.000139	0.000139	B.2.4-7b	0.00033
CB	B9	81	2.13889	B.2.4-7b	0.000106	0.000106	B.2.4-7b	0.00033
CB	B9	81	2.61111	B.2.4-7b	0.000106	0.000106	B.2.4-7b	0.00033
CB	B9	81	3.08333	B.2.4-5b	0.000159	0.000159	B.2.4-7b	0.00033
CB	B9	81	3.55556	B.2.4-5b	0.000203	0.000203	B.2.4-7b	0.00033
CB	B9	81	4.02778	B.2.4-7b	0.000237	0.000237	B.2.4-7b	0.00033
CB	B9	81	4.5	B.2.4-7b	0.000268	0.000268	B.2.4-7b	0.00033
CB	B170	711	0	B.2.4-5b	0.000292	0.000292	B.2.4-5b	0.00036
CB	B170	711	0.45625	B.2.4-5b	0.000201	0.000201	B.2.4-5b	0.00034
CB	B170	711	0.45625	B.2.4-5b	0.000194	0.000194	B.2.4-5b	0.00033
CB	B170	711	0.9125	B.2.4-5b	0.000194	0.000194	B.2.4-5b	0.00032
CB	B170	711	0.9125	B.2.4-5b	0.000185	0.000185	B.2.4-5b	0.0003
CB	B170	711	1.36875	B.2.4-5b	0.000185	0.000185	B.2.4-5b	0.00028
CB	B170	711	1.36875	B.2.4-5b	0.000176	0.000176	B.2.4-5b	0.00025
CB	B170	711	1.825	B.2.4-5b	0.000176	0.000176	B.2.4-7b	0.00025
CB	B170	711	1.825	B.2.4-5b	0.000166	0.000166	B.2.4-7b	0.00025
CB	B170	711	2.28125	B.2.4-5b	0.000166	0.000166	B.2.4-5b	0.00025
CB	B170	711	2.28125	B.2.4-5b	0.000155	0.000155	B.2.4-5b	0.00028
CB	B170	711	2.7375	B.2.4-5b	0.000155	0.000155	B.2.4-5b	0.0003
CB	B170	711	2.7375	B.2.4-5b	0.000141	0.000141	B.2.4-5b	0.00032
CB	B170	711	3.19375	B.2.4-5b	0.000141	0.000141	B.2.4-5b	0.00034
CB	B170	711	3.19375	B.2.4-5b	0.000127	0.000127	B.2.4-5b	0.00035
CB	B170	711	3.65	B.2.4-5b	0.000107	0.000107	B.2.4-5b	0.00036
CB	B574	939	0.25	B.2.4-5b	0.000259	0.000259	B.2.4-4b	0.00033
CB	B574	939	0.47143	B.2.4-5b	0.000141	0.000141	B.2.4-4b	0.00033
CB	B574	939	0.47143	B.2.4-5b	0.00015	0.00015	B.2.4-4b	0.00033
CB	B574	939	0.94286	B.2.4-5b	0.000164	0.000164	B.2.4-2	0.00033
CB	B574	939	0.94286	B.2.4-5b	0.000188	0.000188	B.2.4-7b	5E-05
CB	B574	939	1.41429	B.2.4-5b	0.000315	0.000315	B.2.4-7b	5E-05
CB	B574	939	1.41429	B.2.4-5b	0.000336	0.000336	B.2.4-7b	9E-05
CB	B574	939	1.88571	B.2.4-5b	0.000417	0.000417	B.2.4-7b	9E-05
CB	B574	939	1.88571	B.2.4-5b	0.000435	0.000435	B.2.4-5b	8E-05
CB	B574	939	2.35714	B.2.4-5b	0.000471	0.000471	B.2.4-5b	8E-05
CB	B574	939	2.35714	B.2.4-5b	0.00049	0.00049	B.2.4-7b	0

Table: Concrete Beam Design Summary - ACI 318-08, Part 2 of 4

Story	Label	UniqueName	Station	AsBotCombo	AsMinBot	AsBot	VCombo	VRebar
Unitless	Unitless	Unitless	m	Unitless	m²	m²	Unitless	m²/m
CB	B574	939	2.82857	B.2.4-5b	0.000492	0.000492	B.2.4-7b	0
CB	B574	939	2.82857	B.2.4-5b	0.000514	0.000514	B.2.4-7b	0
CB	B574	939	3.3	B.2.4-5b	0.000521	0.000521	B.2.4-7b	0
CB	B574	939	3.3	B.2.4-5b	0.000536	0.000536	B.2.4-2	0.00033
CB	B574	939	3.79	B.2.4-5b	0.000498	0.000498	B.2.4-2	0.00033
CB	B574	939	4.28	B.2.4-5b	0.000364	0.000364	B.2.4-2	0.00033
CB	B574	939	4.77	B.2.4-5b	0.000285	0.000285	B.2.4-2	0.00033
CB	B574	939	5.26	B.2.4-5b	0.000285	0.000285	B.2.4-2	0.00033
CB	B574	939	5.75	B.2.4-5b	0.000453	0.000453	B.2.4-3b	0.00033

Table: Concrete Beam Design Summary - ACI 318-08, Part 3 of 4

Table: Concrete Beam Design Summary - ACI 318-08, Part 3 of 4

Story	Label	UniqueName	Station	TLngCombo	TLngRebar	TTrnCombo	TTrnRebar	WarnMsg
Unitless	Unitless	Unitless	m	Unitless	m²	Unitless	m²/m	Unitless
CB	B1	687	0.25	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B1	687	0.70909	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B1	687	1.16818	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B1	687	1.62727	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B1	687	2.08636	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B1	687	2.54545	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B1	687	3.00455	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B1	687	3.46364	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B1	687	3.92273	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B1	687	4.38182	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B1	687	4.84091	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B1	687	5.3	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B2	691	0.3	B.2.4-7b	0.000656	B.2.4-5b	0.00028	No Message
CB	B2	691	0.42167	B.2.4-7b	0.000656	B.2.4-5b	0.00028	No Message
CB	B2	691	0.42167	B.2.4-7b	0.00072	B.2.4-5b	0.00023	No Message
CB	B2	691	0.84333	B.2.4-7b	0.00072	B.2.4-5b	0.00023	No Message
CB	B2	691	0.84333	B.2.4-7b	0.000765	B.2.4-5b	0.0002	No Message
CB	B2	691	1.265	B.2.4-7b	0.000765	B.2.4-5b	0.0002	No Message
CB	B2	691	1.265	B.2.4-7b	0.000802	B.2.4-5b	0.00018	No Message
CB	B2	691	1.68667	B.2.4-7b	0.000802	B.2.4-5b	0.00018	No Message
CB	B2	691	1.68667	B.2.4-7b	0.000815	B.2.4-5b	0.00015	No Message
CB	B2	691	2.10833	B.2.4-7b	0.000815	B.2.4-5b	0.00015	No Message
CB	B2	691	2.10833	B.2.4-7b	0.000815	B.2.4-5b	0.00013	No Message
CB	B2	691	2.53	B.2.4-7b	0.000815	B.2.4-5b	0.00013	No Message
CB	B2	691	2.53	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B2	691	2.99417	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B2	691	3.45833	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B2	691	3.9225	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B2	691	4.38667	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B2	691	4.85083	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B2	691	5.315	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B2	691	5.77917	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B2	691	6.24333	B.2.4-7b	0	B.2.4-7b	0	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 3 of 4

Story	Label	UniqueName	Station	TLngCombo	TLngRebar	TTrnCombo	TTrnRebar	WarnMsg
Unitless	Unitless	Unitless	m	Unitless	m²	Unitless	m²/m	Unitless
CB	B2	691	6.7075	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B2	691	7.17167	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B2	691	7.63583	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B2	691	8.1	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B5	719	0.25	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B5	719	0.69375	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B5	719	1.1375	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B5	719	1.58125	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B5	719	2.025	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B5	719	2.46875	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B5	719	2.9125	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B5	719	3.35625	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B5	719	3.8	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B6	723	0.25	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B6	723	0.70909	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B6	723	1.16818	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B6	723	1.62727	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B6	723	2.08636	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B6	723	2.54545	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B6	723	3.00455	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B6	723	3.46364	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B6	723	3.92273	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B6	723	4.38182	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B6	723	4.84091	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B6	723	5.3	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B7	727	0.3	B.2.4-7b	0.00065	B.2.4-5b	0.00028	No Message
CB	B7	727	0.42167	B.2.4-7b	0.00065	B.2.4-5b	0.00028	No Message
CB	B7	727	0.42167	B.2.4-7b	0.000715	B.2.4-5b	0.00024	No Message
CB	B7	727	0.84333	B.2.4-7b	0.000715	B.2.4-5b	0.00024	No Message
CB	B7	727	0.84333	B.2.4-7b	0.00076	B.2.4-5b	0.00021	No Message
CB	B7	727	1.265	B.2.4-7b	0.00076	B.2.4-5b	0.00021	No Message
CB	B7	727	1.265	B.2.4-7b	0.000798	B.2.4-5b	0.00018	No Message
CB	B7	727	1.68667	B.2.4-7b	0.000798	B.2.4-5b	0.00018	No Message
CB	B7	727	1.68667	B.2.4-7b	0.000815	B.2.4-5b	0.00016	No Message
CB	B7	727	2.10833	B.2.4-7b	0.000815	B.2.4-5b	0.00016	No Message
CB	B7	727	2.10833	B.2.4-7b	0.000815	B.2.4-5b	0.00014	No Message
CB	B7	727	2.53	B.2.4-7b	0.000815	B.2.4-5b	0.00014	No Message
CB	B7	727	2.53	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B7	727	2.99417	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B7	727	3.45833	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B7	727	3.9225	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B7	727	4.38667	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B7	727	4.85083	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B7	727	5.315	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B7	727	5.77917	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B7	727	6.24333	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B7	727	6.7075	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B7	727	7.17167	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B7	727	7.63583	B.2.4-7b	0	B.2.4-7b	0	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 3 of 4

Story	Label	UniqueName	Station	TLngCombo	TLngRebar	TTrnCombo	TTrnRebar	WarnMsg
Unitless	Unitless	Unitless	m	Unitless	m²	Unitless	m²/m	Unitless
CB	B7	727	8.1	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B10	739	0.25	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B10	739	0.69375	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B10	739	1.1375	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B10	739	1.58125	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B10	739	2.025	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B10	739	2.46875	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B10	739	2.9125	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B10	739	3.35625	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B10	739	3.8	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B12	747	0.3	B.2.4-7b	0.000651	B.2.4-5b	0.00028	No Message
CB	B12	747	0.42167	B.2.4-7b	0.000651	B.2.4-5b	0.00028	No Message
CB	B12	747	0.42167	B.2.4-7b	0.000716	B.2.4-5b	0.00024	No Message
CB	B12	747	0.84333	B.2.4-7b	0.000716	B.2.4-5b	0.00024	No Message
CB	B12	747	0.84333	B.2.4-7b	0.000761	B.2.4-5b	0.00021	No Message
CB	B12	747	1.265	B.2.4-7b	0.000761	B.2.4-5b	0.00021	No Message
CB	B12	747	1.265	B.2.4-7b	0.0008	B.2.4-5b	0.00018	No Message
CB	B12	747	1.68667	B.2.4-7b	0.0008	B.2.4-5b	0.00018	No Message
CB	B12	747	1.68667	B.2.4-7b	0.000815	B.2.4-5b	0.00015	No Message
CB	B12	747	2.10833	B.2.4-7b	0.000815	B.2.4-5b	0.00015	No Message
CB	B12	747	2.10833	B.2.4-7b	0.000815	B.2.4-5b	0.00013	No Message
CB	B12	747	2.53	B.2.4-7b	0.000815	B.2.4-5b	0.00013	No Message
CB	B12	747	2.53	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B12	747	2.99417	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B12	747	3.45833	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B12	747	3.9225	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B12	747	4.38667	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B12	747	4.85083	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B12	747	5.315	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B12	747	5.77917	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B12	747	6.24333	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B12	747	6.7075	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B12	747	7.17167	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B12	747	7.63583	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B12	747	8.1	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B15	759	0.25	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B15	759	0.69375	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B15	759	1.1375	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B15	759	1.58125	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B15	759	2.025	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B15	759	2.46875	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B15	759	2.9125	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B15	759	3.35625	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B15	759	3.8	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B17	767	0.3	B.2.4-7b	0.000573	B.2.4-5b	0.00036	No Message
CB	B17	767	0.42167	B.2.4-7b	0.000573	B.2.4-5b	0.00036	No Message
CB	B17	767	0.42167	B.2.4-7b	0.000655	B.2.4-5b	0.0003	No Message
CB	B17	767	0.84333	B.2.4-7b	0.000655	B.2.4-5b	0.0003	No Message
CB	B17	767	0.84333	B.2.4-7b	0.000711	B.2.4-5b	0.00026	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 3 of 4

Story	Label	UniqueName	Station	TLngCombo	TLngRebar	TTrnCombo	TTrnRebar	WarnMsg
Unitless	Unitless	Unitless	m	Unitless	m²	Unitless	m²/m	Unitless
CB	B17	767	1.265	B.2.4-7b	0.000711	B.2.4-5b	0.00026	No Message
CB	B17	767	1.265	B.2.4-7b	0.000758	B.2.4-5b	0.00023	No Message
CB	B17	767	1.68667	B.2.4-7b	0.000758	B.2.4-5b	0.00023	No Message
CB	B17	767	1.68667	B.2.4-7b	0.000799	B.2.4-5b	0.0002	No Message
CB	B17	767	2.10833	B.2.4-7b	0.000799	B.2.4-5b	0.0002	No Message
CB	B17	767	2.10833	B.2.4-7b	0.000815	B.2.4-5b	0.00017	No Message
CB	B17	767	2.53	B.2.4-7b	0.000815	B.2.4-5b	0.00017	No Message
CB	B17	767	2.53	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B17	767	2.99417	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B17	767	3.45833	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B17	767	3.9225	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B17	767	4.38667	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B17	767	4.85083	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B17	767	5.315	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B17	767	5.77917	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B17	767	6.24333	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B17	767	6.7075	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B17	767	7.17167	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B17	767	7.63583	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B17	767	8.1	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B20	779	0.25	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B20	779	0.69375	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B20	779	1.1375	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B20	779	1.58125	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B20	779	2.025	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B20	779	2.46875	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B20	779	2.9125	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B20	779	3.35625	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B20	779	3.8	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B21	783	0.25	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B21	783	0.70909	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B21	783	1.16818	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B21	783	1.62727	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B21	783	2.08636	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B21	783	2.54545	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B21	783	3.00455	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B21	783	3.46364	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B21	783	3.92273	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B21	783	4.38182	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B21	783	4.84091	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B21	783	5.3	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B22	787	0.3	B.2.4-7b	0.000642	B.2.4-5b	0.00029	No Message
CB	B22	787	0.42167	B.2.4-7b	0.000642	B.2.4-5b	0.00029	No Message
CB	B22	787	0.42167	B.2.4-7b	0.000708	B.2.4-5b	0.00025	No Message
CB	B22	787	0.84333	B.2.4-7b	0.000708	B.2.4-5b	0.00025	No Message
CB	B22	787	0.84333	B.2.4-7b	0.000754	B.2.4-5b	0.00021	No Message
CB	B22	787	1.265	B.2.4-7b	0.000754	B.2.4-5b	0.00021	No Message
CB	B22	787	1.265	B.2.4-7b	0.000795	B.2.4-5b	0.00019	No Message
CB	B22	787	1.68667	B.2.4-7b	0.000795	B.2.4-5b	0.00019	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 3 of 4

Story	Label	UniqueName	Station	TLngCombo	TLngRebar	TTrnCombo	TTrnRebar	WarnMsg
Unitless	Unitless	Unitless	m	Unitless	m²	Unitless	m²/m	Unitless
CB	B22	787	1.68667	B.2.4-7b	0.000815	B.2.4-5b	0.00016	No Message
CB	B22	787	2.10833	B.2.4-7b	0.000815	B.2.4-5b	0.00016	No Message
CB	B22	787	2.10833	B.2.4-7b	0.000815	B.2.4-5b	0.00014	No Message
CB	B22	787	2.53	B.2.4-7b	0.000815	B.2.4-5b	0.00014	No Message
CB	B22	787	2.53	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B22	787	2.99417	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B22	787	3.45833	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B22	787	3.9225	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B22	787	4.38667	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B22	787	4.85083	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B22	787	5.315	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B22	787	5.77917	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B22	787	6.24333	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B22	787	6.7075	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B22	787	7.17167	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B22	787	7.63583	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B22	787	8.1	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B24	795	0.25	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B24	795	0.70909	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B24	795	1.16818	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B24	795	1.62727	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B24	795	2.08636	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B24	795	2.54545	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B24	795	3.00455	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B24	795	3.46364	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B24	795	3.92273	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B24	795	4.38182	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B24	795	4.84091	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B24	795	5.3	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B25	799	0.3	B.2.4-7b	0.000662	B.2.4-5b	0.00027	No Message
CB	B25	799	0.42167	B.2.4-7b	0.000662	B.2.4-5b	0.00027	No Message
CB	B25	799	0.42167	B.2.4-7b	0.000727	B.2.4-5b	0.00023	No Message
CB	B25	799	0.84333	B.2.4-7b	0.000727	B.2.4-5b	0.00023	No Message
CB	B25	799	0.84333	B.2.4-7b	0.000772	B.2.4-5b	0.0002	No Message
CB	B25	799	1.265	B.2.4-7b	0.000772	B.2.4-5b	0.0002	No Message
CB	B25	799	1.265	B.2.4-7b	0.000811	B.2.4-5b	0.00017	No Message
CB	B25	799	1.68667	B.2.4-7b	0.000811	B.2.4-5b	0.00017	No Message
CB	B25	799	1.68667	B.2.4-7b	0.000815	B.2.4-5b	0.00015	No Message
CB	B25	799	2.10833	B.2.4-7b	0.000815	B.2.4-5b	0.00015	No Message
CB	B25	799	2.10833	B.2.4-7b	0.000815	B.2.4-7b	0.00013	No Message
CB	B25	799	2.53	B.2.4-7b	0.000815	B.2.4-7b	0.00013	No Message
CB	B25	799	2.53	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B25	799	2.99417	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B25	799	3.45833	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B25	799	3.9225	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B25	799	4.38667	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B25	799	4.85083	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B25	799	5.315	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B25	799	5.77917	B.2.4-7b	0	B.2.4-7b	0	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 3 of 4

Story	Label	UniqueName	Station	TLngCombo	TLngRebar	TTrnCombo	TTrnRebar	WarnMsg
Unitless	Unitless	Unitless	m	Unitless	m²	Unitless	m²/m	Unitless
CB	B25	799	6.24333	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B25	799	6.7075	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B25	799	7.17167	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B25	799	7.63583	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B25	799	8.1	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B27	807	0.25	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B27	807	0.70909	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B27	807	1.16818	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B27	807	1.62727	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B27	807	2.08636	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B27	807	2.54545	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B27	807	3.00455	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B27	807	3.46364	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B27	807	3.92273	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B27	807	4.38182	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B27	807	4.84091	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B27	807	5.3	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B28	811	0.3	B.2.4-7b	0.000647	B.2.4-5b	0.00029	No Message
CB	B28	811	0.42167	B.2.4-7b	0.000647	B.2.4-5b	0.00029	No Message
CB	B28	811	0.42167	B.2.4-7b	0.00071	B.2.4-5b	0.00025	No Message
CB	B28	811	0.84333	B.2.4-7b	0.00071	B.2.4-5b	0.00025	No Message
CB	B28	811	0.84333	B.2.4-7b	0.000754	B.2.4-5b	0.00022	No Message
CB	B28	811	1.265	B.2.4-7b	0.000754	B.2.4-5b	0.00022	No Message
CB	B28	811	1.265	B.2.4-7b	0.000791	B.2.4-5b	0.00019	No Message
CB	B28	811	1.68667	B.2.4-7b	0.000791	B.2.4-5b	0.00019	No Message
CB	B28	811	1.68667	B.2.4-7b	0.000815	B.2.4-5b	0.00017	No Message
CB	B28	811	2.10833	B.2.4-7b	0.000815	B.2.4-5b	0.00017	No Message
CB	B28	811	2.10833	B.2.4-7b	0.000815	B.2.4-5b	0.00015	No Message
CB	B28	811	2.53	B.2.4-7b	0.000815	B.2.4-5b	0.00015	No Message
CB	B28	811	2.53	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B28	811	2.99417	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B28	811	3.45833	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B28	811	3.9225	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B28	811	4.38667	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B28	811	4.85083	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B28	811	5.315	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B28	811	5.77917	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B28	811	6.24333	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B28	811	6.7075	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B28	811	7.17167	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B28	811	7.63583	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B28	811	8.1	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B30	819	0.25	B.2.4-6b	0.000815	B.2.4-5b	0.00038	No Message
CB	B30	819	0.42167	B.2.4-6b	0.000815	B.2.4-5b	0.00038	No Message
CB	B30	819	0.42167	B.2.4-4b	0.000815	B.2.4-5b	0.00033	No Message
CB	B30	819	0.84333	B.2.4-4b	0.000815	B.2.4-5b	0.00033	No Message
CB	B30	819	0.84333	B.2.4-4b	0.000815	B.2.4-5b	0.00028	No Message
CB	B30	819	1.265	B.2.4-4b	0.000815	B.2.4-5b	0.00028	No Message
CB	B30	819	1.265	B.2.4-2	0.000815	B.2.4-5b	0.00024	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 3 of 4

Story	Label	UniqueName	Station	TLngCombo	TLngRebar	TTrnCombo	TTrnRebar	WarnMsg
Unitless	Unitless	Unitless	m	Unitless	m²	Unitless	m²/m	Unitless
CB	B30	819	1.68667	B.2.4-2	0.000815	B.2.4-5b	0.00024	No Message
CB	B30	819	1.68667	B.2.4-7b	0.000801	B.2.4-5b	0.00021	No Message
CB	B30	819	2.10833	B.2.4-7b	0.000801	B.2.4-5b	0.00021	No Message
CB	B30	819	2.10833	B.2.4-7b	0.000815	B.2.4-5b	0.00018	No Message
CB	B30	819	2.53	B.2.4-7b	0.000815	B.2.4-5b	0.00018	No Message
CB	B30	819	2.53	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B30	819	2.99833	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B30	819	3.46667	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B30	819	3.935	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B30	819	4.40333	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B30	819	4.87167	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B30	819	5.34	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B30	819	5.80833	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B30	819	6.27667	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B30	819	6.745	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B30	819	7.21333	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B30	819	7.68167	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B30	819	8.15	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B31	823	0.25	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B31	823	0.70909	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B31	823	1.16818	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B31	823	1.62727	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B31	823	2.08636	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B31	823	2.54545	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B31	823	3.00455	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B31	823	3.46364	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B31	823	3.92273	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B31	823	4.38182	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B31	823	4.84091	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B31	823	5.3	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B32	827	0.3	B.2.4-2	0.000815	B.2.4-5b	0.00039	No Message
CB	B32	827	0.42167	B.2.4-2	0.000815	B.2.4-5b	0.00039	No Message
CB	B32	827	0.42167	B.2.4-2	0.000815	B.2.4-5b	0.00035	No Message
CB	B32	827	0.84333	B.2.4-2	0.000815	B.2.4-5b	0.00035	No Message
CB	B32	827	0.84333	B.2.4-2	0.000815	B.2.4-5b	0.00031	No Message
CB	B32	827	1.265	B.2.4-2	0.000815	B.2.4-5b	0.00031	No Message
CB	B32	827	1.265	B.2.4-7b	0.000711	B.2.4-5b	0.00028	No Message
CB	B32	827	1.68667	B.2.4-7b	0.000711	B.2.4-5b	0.00028	No Message
CB	B32	827	1.68667	B.2.4-7b	0.000754	B.2.4-5b	0.00025	No Message
CB	B32	827	2.10833	B.2.4-7b	0.000754	B.2.4-5b	0.00025	No Message
CB	B32	827	2.10833	B.2.4-7b	0.000793	B.2.4-5b	0.00022	No Message
CB	B32	827	2.53	B.2.4-7b	0.000793	B.2.4-5b	0.00022	No Message
CB	B32	827	2.53	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B32	827	2.99417	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B32	827	3.45833	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B32	827	3.9225	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B32	827	4.38667	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B32	827	4.85083	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B32	827	5.315	B.2.4-7b	0	B.2.4-7b	0	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 3 of 4

Story	Label	UniqueName	Station	TLngCombo	TLngRebar	TTrnCombo	TTrnRebar	WarnMsg
Unitless	Unitless	Unitless	m	Unitless	m²	Unitless	m²/m	Unitless
CB	B32	827	5.77917	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B32	827	6.24333	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B32	827	6.7075	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B32	827	7.17167	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B32	827	7.63583	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B32	827	8.1	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B35	839	0.25	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B35	839	0.69375	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B35	839	1.1375	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B35	839	1.58125	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B35	839	2.025	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B35	839	2.46875	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B35	839	2.9125	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B35	839	3.35625	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B35	839	3.8	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B37	847	0.3	B.2.4-4b	0.000815	B.2.4-5b	0.00039	No Message
CB	B37	847	0.42167	B.2.4-4b	0.000815	B.2.4-5b	0.00039	No Message
CB	B37	847	0.42167	B.2.4-4b	0.000815	B.2.4-5b	0.00035	No Message
CB	B37	847	0.84333	B.2.4-4b	0.000815	B.2.4-5b	0.00035	No Message
CB	B37	847	0.84333	B.2.4-4b	0.000815	B.2.4-5b	0.00032	No Message
CB	B37	847	1.265	B.2.4-4b	0.000815	B.2.4-5b	0.00032	No Message
CB	B37	847	1.265	B.2.4-2	0.000815	B.2.4-5b	0.00029	No Message
CB	B37	847	1.68667	B.2.4-2	0.000815	B.2.4-5b	0.00029	No Message
CB	B37	847	1.68667	B.2.4-2	0.000815	B.2.4-5b	0.00026	No Message
CB	B37	847	2.10833	B.2.4-2	0.000815	B.2.4-5b	0.00026	No Message
CB	B37	847	2.10833	B.2.4-7b	0.00078	B.2.4-5b	0.00023	No Message
CB	B37	847	2.53	B.2.4-7b	0.00078	B.2.4-5b	0.00023	No Message
CB	B37	847	2.53	B.2.4-7b	0.000815	B.2.4-2	0.0002	No Message
CB	B37	847	3.01917	B.2.4-7b	0.000815	B.2.4-2	0.0002	No Message
CB	B37	847	3.01917	B.2.4-7b	0.000815	B.2.4-2	0.00018	No Message
CB	B37	847	3.50833	B.2.4-7b	0.000815	B.2.4-2	0.00018	No Message
CB	B37	847	3.50833	B.2.4-7b	0.000815	B.2.4-5b	0.00016	No Message
CB	B37	847	3.9975	B.2.4-7b	0.000815	B.2.4-5b	0.00016	No Message
CB	B37	847	3.9975	B.2.4-7b	0.000815	B.2.4-5b	0.00014	No Message
CB	B37	847	4.48667	B.2.4-7b	0.000815	B.2.4-5b	0.00014	No Message
CB	B37	847	4.48667	B.2.4-5b	0.000815	B.2.4-5b	0.00012	No Message
CB	B37	847	4.97583	B.2.4-5b	0.000815	B.2.4-5b	0.00012	No Message
CB	B37	847	4.97583	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B37	847	5.465	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B37	847	5.465	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B37	847	5.95417	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B37	847	5.95417	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B37	847	6.44333	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B37	847	6.44333	B.2.4-5b	0.000815	B.2.4-5b	0.00016	No Message
CB	B37	847	6.9325	B.2.4-5b	0.000815	B.2.4-5b	0.00016	No Message
CB	B37	847	6.9325	B.2.4-4b	0.000815	B.2.4-5b	0.00023	No Message
CB	B37	847	7.42167	B.2.4-4b	0.000815	B.2.4-5b	0.00023	No Message
CB	B37	847	7.42167	B.2.4-6b	0.000815	B.2.4-5b	0.00032	No Message
CB	B37	847	7.91083	B.2.4-6b	0.000815	B.2.4-5b	0.00032	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 3 of 4

Story	Label	UniqueName	Station	TLngCombo	TLngRebar	TTrnCombo	TTrnRebar	WarnMsg
Unitless	Unitless	Unitless	m	Unitless	m²	Unitless	m²/m	Unitless
CB	B37	847	7.91083	B.2.4-6b	0.000809	B.2.4-5b	0.00041	No Message
CB	B37	847	8.1	B.2.4-6b	0.000809	B.2.4-5b	0.00041	No Message
CB	B40	859	0.25	B.2.4-6b	0.000726	B.2.4-5b	0.00031	No Message
CB	B40	859	0.5	B.2.4-6b	0.000726	B.2.4-5b	0.00031	No Message
CB	B40	859	0.5	B.2.4-1	0.000726	B.2.4-5b	0.00025	No Message
CB	B40	859	1	B.2.4-1	0.000726	B.2.4-5b	0.00025	No Message
CB	B40	859	1	B.2.4-7b	0.000726	B.2.4-5b	0.00019	No Message
CB	B40	859	1.5	B.2.4-7b	0.000726	B.2.4-5b	0.00019	No Message
CB	B40	859	1.5	B.2.4-7b	0.000726	B.2.4-5b	0.00014	No Message
CB	B40	859	2	B.2.4-7b	0.000726	B.2.4-5b	0.00014	No Message
CB	B40	859	2	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B40	859	2.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B40	859	2.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B40	859	3	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B40	859	3	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B40	859	3.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B40	859	3.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B40	859	4	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B40	859	4	B.2.4-5b	0.000726	B.2.4-5b	0.00013	No Message
CB	B40	859	4.5	B.2.4-5b	0.000726	B.2.4-5b	0.00013	No Message
CB	B40	859	4.5	B.2.4-7b	0.000726	B.2.4-5b	0.0002	No Message
CB	B40	859	5	B.2.4-7b	0.000726	B.2.4-5b	0.0002	No Message
CB	B40	859	5	B.2.4-6b	0.000726	B.2.4-5b	0.00028	No Message
CB	B40	859	5.5	B.2.4-6b	0.000726	B.2.4-5b	0.00028	No Message
CB	B40	859	5.5	B.2.4-6b	0.000726	B.2.4-5b	0.00039	No Message
CB	B40	859	5.7	B.2.4-6b	0.000726	B.2.4-5b	0.00039	No Message
CB	B41	863	0.3	B.2.4-6b	0.000726	B.2.4-5b	0.00034	No Message
CB	B41	863	0.5	B.2.4-6b	0.000726	B.2.4-5b	0.00034	No Message
CB	B41	863	0.5	B.2.4-1	0.000722	B.2.4-5b	0.00025	No Message
CB	B41	863	1	B.2.4-1	0.000722	B.2.4-5b	0.00025	No Message
CB	B41	863	1	B.2.4-7b	0.000726	B.2.4-5b	0.00017	No Message
CB	B41	863	1.5	B.2.4-7b	0.000726	B.2.4-5b	0.00017	No Message
CB	B41	863	1.5	B.2.4-5b	0.000726	B.2.4-5b	0.00011	No Message
CB	B41	863	2	B.2.4-5b	0.000726	B.2.4-5b	0.00011	No Message
CB	B41	863	2	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B41	863	2.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B41	863	2.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B41	863	2.54	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B41	863	2.54	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B41	863	3	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B41	863	3	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B41	863	3.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B41	863	3.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B41	863	4	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B41	863	4	B.2.4-5b	0.000726	B.2.4-5b	0.00012	No Message
CB	B41	863	4.5	B.2.4-5b	0.000726	B.2.4-5b	0.00012	No Message
CB	B41	863	4.5	B.2.4-7b	0.000726	B.2.4-5b	0.00018	No Message
CB	B41	863	5	B.2.4-7b	0.000726	B.2.4-5b	0.00018	No Message
CB	B41	863	5	B.2.4-6b	0.000726	B.2.4-5b	0.00026	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 3 of 4

Story	Label	UniqueName	Station	TLngCombo	TLngRebar	TTrnCombo	TTrnRebar	WarnMsg
Unitless	Unitless	Unitless	m	Unitless	m²	Unitless	m²/m	Unitless
CB	B41	863	5.5	B.2.4-6b	0.000726	B.2.4-5b	0.00026	No Message
CB	B41	863	5.5	B.2.4-6b	0.000726	B.2.4-5b	0.00036	No Message
CB	B41	863	5.7	B.2.4-6b	0.000726	B.2.4-5b	0.00036	No Message
CB	B42	867	0.3	B.2.4-6b	0.000726	B.2.4-5b	0.00035	No Message
CB	B42	867	0.5	B.2.4-6b	0.000726	B.2.4-5b	0.00035	No Message
CB	B42	867	0.5	B.2.4-7b	0.000689	B.2.4-5b	0.00027	No Message
CB	B42	867	1	B.2.4-7b	0.000689	B.2.4-5b	0.00027	No Message
CB	B42	867	1	B.2.4-7b	0.000726	B.2.4-5b	0.0002	No Message
CB	B42	867	1.5	B.2.4-7b	0.000726	B.2.4-5b	0.0002	No Message
CB	B42	867	1.5	B.2.4-5b	0.000726	B.2.4-5b	0.00014	No Message
CB	B42	867	2	B.2.4-5b	0.000726	B.2.4-5b	0.00014	No Message
CB	B42	867	2	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B42	867	2.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B42	867	2.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B42	867	3	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B42	867	3	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B42	867	3.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B42	867	3.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B42	867	4	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B42	867	4	B.2.4-5b	0.000726	B.2.4-5b	0.00013	No Message
CB	B42	867	4.5	B.2.4-5b	0.000726	B.2.4-5b	0.00013	No Message
CB	B42	867	4.5	B.2.4-7b	0.000726	B.2.4-5b	0.00019	No Message
CB	B42	867	5	B.2.4-7b	0.000726	B.2.4-5b	0.00019	No Message
CB	B42	867	5	B.2.4-7b	0.000688	B.2.4-5b	0.00027	No Message
CB	B42	867	5.5	B.2.4-7b	0.000688	B.2.4-5b	0.00027	No Message
CB	B42	867	5.5	B.2.4-6b	0.000726	B.2.4-5b	0.00036	No Message
CB	B42	867	5.7	B.2.4-6b	0.000726	B.2.4-5b	0.00036	No Message
CB	B43	871	0.3	B.2.4-6b	0.000719	B.2.4-5b	0.00037	No Message
CB	B43	871	0.5	B.2.4-6b	0.000719	B.2.4-5b	0.00037	No Message
CB	B43	871	0.5	B.2.4-6b	0.000726	B.2.4-5b	0.00029	No Message
CB	B43	871	1	B.2.4-6b	0.000726	B.2.4-5b	0.00029	No Message
CB	B43	871	1	B.2.4-7b	0.000726	B.2.4-5b	0.00022	No Message
CB	B43	871	1.5	B.2.4-7b	0.000726	B.2.4-5b	0.00022	No Message
CB	B43	871	1.5	B.2.4-7b	0.000726	B.2.4-5b	0.00018	No Message
CB	B43	871	2	B.2.4-7b	0.000726	B.2.4-5b	0.00018	No Message
CB	B43	871	2	B.2.4-5b	0.000726	B.2.4-5b	0.00014	No Message
CB	B43	871	2.5	B.2.4-5b	0.000726	B.2.4-5b	0.00014	No Message
CB	B43	871	2.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B43	871	3	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B43	871	3	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B43	871	3.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B43	871	3.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B43	871	4	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B43	871	4	B.2.4-5b	0.000726	B.2.4-5b	0.00011	No Message
CB	B43	871	4.5	B.2.4-5b	0.000726	B.2.4-5b	0.00011	No Message
CB	B43	871	4.5	B.2.4-7b	0.000726	B.2.4-5b	0.00018	No Message
CB	B43	871	5	B.2.4-7b	0.000726	B.2.4-5b	0.00018	No Message
CB	B43	871	5	B.2.4-1	0.000721	B.2.4-5b	0.00026	No Message
CB	B43	871	5.5	B.2.4-1	0.000721	B.2.4-5b	0.00026	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 3 of 4

Story	Label	UniqueName	Station	TLngCombo	TLngRebar	TTrnCombo	TTrnRebar	WarnMsg
Unitless	Unitless	Unitless	m	Unitless	m²	Unitless	m²/m	Unitless
CB	B43	871	5.5	B.2.4-6b	0.000726	B.2.4-5b	0.00037	No Message
CB	B43	871	5.7	B.2.4-6b	0.000726	B.2.4-5b	0.00037	No Message
CB	B46	883	0.3	B.2.4-6b	0.000726	B.2.4-5b	0.00035	No Message
CB	B46	883	0.5	B.2.4-6b	0.000726	B.2.4-5b	0.00035	No Message
CB	B46	883	0.5	B.2.4-7b	0.000712	B.2.4-5b	0.00025	No Message
CB	B46	883	1	B.2.4-7b	0.000712	B.2.4-5b	0.00025	No Message
CB	B46	883	1	B.2.4-7b	0.000726	B.2.4-5b	0.00017	No Message
CB	B46	883	1.5	B.2.4-7b	0.000726	B.2.4-5b	0.00017	No Message
CB	B46	883	1.5	B.2.4-5b	0.000726	B.2.4-5b	0.00012	No Message
CB	B46	883	2	B.2.4-5b	0.000726	B.2.4-5b	0.00012	No Message
CB	B46	883	2	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B46	883	2.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B46	883	2.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B46	883	3	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B46	883	3	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B46	883	3.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B46	883	3.5	B.2.4-5b	0.000726	B.2.4-5b	0.0001	No Message
CB	B46	883	4	B.2.4-5b	0.000726	B.2.4-5b	0.0001	No Message
CB	B46	883	4	B.2.4-7b	0.000726	B.2.4-5b	0.00014	No Message
CB	B46	883	4.5	B.2.4-7b	0.000726	B.2.4-5b	0.00014	No Message
CB	B46	883	4.5	B.2.4-7b	0.000726	B.2.4-5b	0.00019	No Message
CB	B46	883	5	B.2.4-7b	0.000726	B.2.4-5b	0.00019	No Message
CB	B46	883	5	B.2.4-6b	0.000726	B.2.4-5b	0.00026	No Message
CB	B46	883	5.5	B.2.4-6b	0.000726	B.2.4-5b	0.00026	No Message
CB	B46	883	5.5	B.2.4-6b	0.000726	B.2.4-5b	0.00034	No Message
CB	B46	883	5.7	B.2.4-6b	0.000726	B.2.4-5b	0.00034	No Message
CB	B47	887	0.3	B.2.4-6b	0.000726	B.2.4-5b	0.00036	No Message
CB	B47	887	0.5	B.2.4-6b	0.000726	B.2.4-5b	0.00036	No Message
CB	B47	887	0.5	B.2.4-7b	0.000696	B.2.4-5b	0.00026	No Message
CB	B47	887	1	B.2.4-7b	0.000696	B.2.4-5b	0.00026	No Message
CB	B47	887	1	B.2.4-7b	0.000726	B.2.4-5b	0.00019	No Message
CB	B47	887	1.5	B.2.4-7b	0.000726	B.2.4-5b	0.00019	No Message
CB	B47	887	1.5	B.2.4-5b	0.000726	B.2.4-5b	0.00013	No Message
CB	B47	887	2	B.2.4-5b	0.000726	B.2.4-5b	0.00013	No Message
CB	B47	887	2	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B47	887	2.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B47	887	2.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B47	887	3	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B47	887	3	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B47	887	3.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B47	887	3.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B47	887	4	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B47	887	4	B.2.4-7b	0.000726	B.2.4-5b	0.00014	No Message
CB	B47	887	4.5	B.2.4-7b	0.000726	B.2.4-5b	0.00014	No Message
CB	B47	887	4.5	B.2.4-7b	0.000726	B.2.4-5b	0.00019	No Message
CB	B47	887	5	B.2.4-7b	0.000726	B.2.4-5b	0.00019	No Message
CB	B47	887	5	B.2.4-6b	0.000726	B.2.4-5b	0.00026	No Message
CB	B47	887	5.5	B.2.4-6b	0.000726	B.2.4-5b	0.00026	No Message
CB	B47	887	5.5	B.2.4-6b	0.000726	B.2.4-5b	0.00035	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 3 of 4

Story	Label	UniqueName	Station	TLngCombo	TLngRebar	TTrnCombo	TTrnRebar	WarnMsg
Unitless	Unitless	Unitless	m	Unitless	m²	Unitless	m²/m	Unitless
CB	B47	887	5.7	B.2.4-6b	0.000726	B.2.4-5b	0.00035	No Message
CB	B48	891	0.3	B.2.4-6b	0.000726	B.2.4-5b	0.00036	No Message
CB	B48	891	0.5	B.2.4-6b	0.000726	B.2.4-5b	0.00036	No Message
CB	B48	891	0.5	B.2.4-6b	0.000726	B.2.4-5b	0.00026	No Message
CB	B48	891	1	B.2.4-6b	0.000726	B.2.4-5b	0.00026	No Message
CB	B48	891	1	B.2.4-7b	0.000726	B.2.4-3b	0.00019	No Message
CB	B48	891	1.5	B.2.4-7b	0.000726	B.2.4-3b	0.00019	No Message
CB	B48	891	1.5	B.2.4-5b	0.000726	B.2.4-3b	0.00013	No Message
CB	B48	891	2	B.2.4-5b	0.000726	B.2.4-3b	0.00013	No Message
CB	B48	891	2	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B48	891	2.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B48	891	2.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B48	891	3	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B48	891	3	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B48	891	3.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B48	891	3.5	B.2.4-5b	0.000726	B.2.4-5b	0.0001	No Message
CB	B48	891	4	B.2.4-5b	0.000726	B.2.4-5b	0.0001	No Message
CB	B48	891	4	B.2.4-7b	0.000726	B.2.4-5b	0.00015	No Message
CB	B48	891	4.5	B.2.4-7b	0.000726	B.2.4-5b	0.00015	No Message
CB	B48	891	4.5	B.2.4-7b	0.000726	B.2.4-5b	0.00021	No Message
CB	B48	891	5	B.2.4-7b	0.000726	B.2.4-5b	0.00021	No Message
CB	B48	891	5	B.2.4-1	0.00071	B.2.4-5b	0.00027	No Message
CB	B48	891	5.5	B.2.4-1	0.00071	B.2.4-5b	0.00027	No Message
CB	B48	891	5.5	B.2.4-6b	0.000726	B.2.4-5b	0.00036	No Message
CB	B48	891	5.7	B.2.4-6b	0.000726	B.2.4-5b	0.00036	No Message
CB	B49	895	0.3	B.2.4-6b	0.000726	B.2.4-5b	0.00036	No Message
CB	B49	895	0.5	B.2.4-6b	0.000726	B.2.4-5b	0.00036	No Message
CB	B49	895	0.5	B.2.4-1	0.000702	B.2.4-5b	0.00027	No Message
CB	B49	895	1	B.2.4-1	0.000702	B.2.4-5b	0.00027	No Message
CB	B49	895	1	B.2.4-7b	0.000726	B.2.4-5b	0.00019	No Message
CB	B49	895	1.5	B.2.4-7b	0.000726	B.2.4-5b	0.00019	No Message
CB	B49	895	1.5	B.2.4-5b	0.000726	B.2.4-5b	0.00012	No Message
CB	B49	895	2	B.2.4-5b	0.000726	B.2.4-5b	0.00012	No Message
CB	B49	895	2	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B49	895	2.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B49	895	2.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B49	895	3	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B49	895	3	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B49	895	3.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B49	895	3.5	B.2.4-5b	0.000726	B.2.4-5b	0.00011	No Message
CB	B49	895	4	B.2.4-5b	0.000726	B.2.4-5b	0.00011	No Message
CB	B49	895	4	B.2.4-7b	0.000726	B.2.4-5b	0.00016	No Message
CB	B49	895	4.5	B.2.4-7b	0.000726	B.2.4-5b	0.00016	No Message
CB	B49	895	4.5	B.2.4-7b	0.000726	B.2.4-5b	0.00021	No Message
CB	B49	895	5	B.2.4-7b	0.000726	B.2.4-5b	0.00021	No Message
CB	B49	895	5	B.2.4-6b	0.000726	B.2.4-5b	0.00028	No Message
CB	B49	895	5.5	B.2.4-6b	0.000726	B.2.4-5b	0.00028	No Message
CB	B49	895	5.5	B.2.4-6b	0.000726	B.2.4-5b	0.00037	No Message
CB	B49	895	5.7	B.2.4-6b	0.000726	B.2.4-5b	0.00037	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 3 of 4

Story	Label	UniqueName	Station	TLngCombo	TLngRebar	TTrnCombo	TTrnRebar	WarnMsg
Unitless	Unitless	Unitless	m	Unitless	m²	Unitless	m²/m	Unitless
CB	B50	899	0.25	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B50	899	0.74545	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B50	899	1.24091	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B50	899	1.73636	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B50	899	2.23182	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B50	899	2.72727	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B50	899	3.22273	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B50	899	3.71818	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B50	899	4.21364	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B50	899	4.70909	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B50	899	5.20455	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B50	899	5.7	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B51	903	0.3	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B51	903	0.79091	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B51	903	1.28182	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B51	903	1.77273	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B51	903	2.26364	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B51	903	2.75455	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B51	903	3.24545	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B51	903	3.73636	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B51	903	4.22727	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B51	903	4.71818	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B51	903	5.20909	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B51	903	5.7	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B52	907	0.3	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B52	907	0.79091	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B52	907	1.28182	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B52	907	1.77273	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B52	907	2.26364	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B52	907	2.75455	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B52	907	3.24545	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B52	907	3.73636	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B52	907	4.22727	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B52	907	4.71818	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B52	907	5.20909	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B52	907	5.7	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B53	911	0.3	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B53	911	0.79091	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B53	911	1.28182	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B53	911	1.77273	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B53	911	2.26364	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B53	911	2.75455	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B53	911	3.24545	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B53	911	3.73636	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B53	911	4.22727	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B53	911	4.71818	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B53	911	5.20909	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B53	911	5.7	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B59	935	0.3	B.2.4-7b	0	B.2.4-7b	0	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 3 of 4

Story	Label	UniqueName	Station	TLngCombo	TLngRebar	TTrnCombo	TTrnRebar	WarnMsg
Unitless	Unitless	Unitless	m	Unitless	m²	Unitless	m²/m	Unitless
CB	B59	935	0.79091	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B59	935	1.28182	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B59	935	1.77273	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B59	935	2.26364	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B59	935	2.75455	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B59	935	3.24545	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B59	935	3.73636	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B59	935	4.22727	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B59	935	4.71818	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B59	935	5.20909	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B59	935	5.7	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B62	947	0.25	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B62	947	0.75	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B62	947	1.25	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B62	947	1.75	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B62	947	2.25	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B62	947	2.75	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B62	947	3.25	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B62	947	3.75	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B62	947	4.25	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B62	947	4.75	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B62	947	5.25	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B62	947	5.75	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B63	951	0.25	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B63	951	0.75	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B63	951	1.25	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B63	951	1.75	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B63	951	2.25	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B63	951	2.75	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B63	951	3.25	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B63	951	3.75	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B63	951	4.25	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B63	951	4.75	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B63	951	5.25	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B63	951	5.75	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B64	955	0.25	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B64	955	0.75	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B64	955	1.25	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B64	955	1.75	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B64	955	2.25	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B64	955	2.75	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B64	955	3.25	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B64	955	3.75	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B64	955	4.25	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B64	955	4.75	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B64	955	5.25	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B64	955	5.75	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B65	959	0.25	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B65	959	0.7125	B.2.4-7b	0	B.2.4-7b	0	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 3 of 4

Story	Label	UniqueName	Station	TLngCombo	TLngRebar	TTrnCombo	TTrnRebar	WarnMsg
Unitless	Unitless	Unitless	m	Unitless	m²	Unitless	m²/m	Unitless
CB	B65	959	1.175	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B65	959	1.6375	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B65	959	2.1	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B65	959	2.5625	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B65	959	3.025	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B65	959	3.4875	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B65	959	3.95	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B65	959	4.4125	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B65	959	4.875	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B65	959	5.3375	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B65	959	5.8	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B66	858	0.2	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B66	858	0.66667	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B66	858	1.13333	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B66	858	1.6	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B66	858	2.06667	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B66	858	2.53333	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B66	858	3	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B66	858	3.46667	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B66	858	3.93333	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B66	858	4.4	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B66	858	4.86667	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B66	858	5.33333	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B66	858	5.8	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B70	1448	0.25	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B70	1448	0.7125	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B70	1448	1.175	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B70	1448	1.6375	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B70	1448	2.1	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B70	1448	2.5625	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B70	1448	3.025	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B70	1448	3.4875	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B70	1448	3.95	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B70	1448	4.4125	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B70	1448	4.875	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B70	1448	5.3375	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B70	1448	5.8	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B71	983	0.2	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B71	983	0.66667	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B71	983	1.13333	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B71	983	1.6	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B71	983	2.06667	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B71	983	2.53333	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B71	983	3	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B71	983	3.46667	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B71	983	3.93333	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B71	983	4.4	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B71	983	4.86667	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B71	983	5.33333	B.2.4-7b	0	B.2.4-7b	0	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 3 of 4

Story	Label	UniqueName	Station	TLngCombo	TLngRebar	TTrnCombo	TTrnRebar	WarnMsg
Unitless	Unitless	Unitless	m	Unitless	m²	Unitless	m²/m	Unitless
CB	B71	983	5.8	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B72	987	0.2	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B72	987	0.66667	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B72	987	1.13333	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B72	987	1.6	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B72	987	2.06667	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B72	987	2.53333	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B72	987	3	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B72	987	3.46667	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B72	987	3.93333	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B72	987	4.4	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B72	987	4.86667	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B72	987	5.33333	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B72	987	5.8	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B73	991	0.2	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B73	991	0.66667	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B73	991	1.13333	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B73	991	1.6	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B73	991	2.06667	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B73	991	2.53333	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B73	991	3	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B73	991	3.46667	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B73	991	3.93333	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B73	991	4.4	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B73	991	4.86667	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B73	991	5.33333	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B73	991	5.8	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B74	866	0.2	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B74	866	0.66667	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B74	866	1.13333	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B74	866	1.6	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B74	866	2.06667	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B74	866	2.53333	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B74	866	3	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B74	866	3.46667	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B74	866	3.93333	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B74	866	4.4	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B74	866	4.86667	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B74	866	5.33333	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B74	866	5.8	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B75	877	0.25	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B75	877	0.69375	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B75	877	1.1375	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B75	877	1.58125	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B75	877	2.025	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B75	877	2.46875	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B75	877	2.9125	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B75	877	3.35625	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B75	877	3.8	B.2.4-7b	0	B.2.4-7b	0	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 3 of 4

Story	Label	UniqueName	Station	TLngCombo	TLngRebar	TTrnCombo	TTrnRebar	WarnMsg
Unitless	Unitless	Unitless	m	Unitless	m²	Unitless	m²/m	Unitless
CB	B76	1003	0.25	B.2.4-7b	0.000726	B.2.4-5b	0.00017	No Message
CB	B76	1003	0.5	B.2.4-7b	0.000726	B.2.4-5b	0.00017	No Message
CB	B76	1003	0.5	B.2.4-5b	0.000726	B.2.4-5b	0.00011	No Message
CB	B76	1003	1	B.2.4-5b	0.000726	B.2.4-5b	0.00011	No Message
CB	B76	1003	1	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B76	1003	1.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B76	1003	1.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B76	1003	2	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B76	1003	2	B.2.4-5b	0.000726	B.2.4-5b	0.00012	No Message
CB	B76	1003	2.5	B.2.4-5b	0.000726	B.2.4-5b	0.00012	No Message
CB	B76	1003	2.5	B.2.4-5b	0.000726	B.2.4-5b	0.00013	No Message
CB	B76	1003	3	B.2.4-5b	0.000726	B.2.4-5b	0.00013	No Message
CB	B76	1003	3	B.2.4-5b	0.000726	B.2.4-5b	0.00014	No Message
CB	B76	1003	3.5	B.2.4-5b	0.000726	B.2.4-5b	0.00014	No Message
CB	B76	1003	3.5	B.2.4-5b	0.000726	B.2.4-5b	0.00014	No Message
CB	B76	1003	3.8	B.2.4-5b	0.000726	B.2.4-5b	0.00014	No Message
CB	B82	1043	0.25	B.2.4-7b	0.000726	B.2.4-5b	0.00019	No Message
CB	B82	1043	0.5	B.2.4-7b	0.000726	B.2.4-5b	0.00019	No Message
CB	B82	1043	0.5	B.2.4-5b	0.000726	B.2.4-5b	0.00012	No Message
CB	B82	1043	1	B.2.4-5b	0.000726	B.2.4-5b	0.00012	No Message
CB	B82	1043	1	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B82	1043	1.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B82	1043	1.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B82	1043	2	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B82	1043	2	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B82	1043	2.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B82	1043	2.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B82	1043	2.54	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B82	1043	2.54	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B82	1043	3	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B82	1043	3	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B82	1043	3.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B82	1043	3.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B82	1043	4	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B82	1043	4	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B82	1043	4.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B82	1043	4.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B82	1043	5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B82	1043	5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B82	1043	5.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B82	1043	5.5	B.2.4-7b	0.000726	B.2.4-5b	0.00016	No Message
CB	B82	1043	5.75	B.2.4-7b	0.000726	B.2.4-5b	0.00016	No Message
CB	B83	1044	0.25	B.2.4-7b	0.000726	B.2.4-5b	0.00016	No Message
CB	B83	1044	0.5	B.2.4-7b	0.000726	B.2.4-5b	0.00016	No Message
CB	B83	1044	0.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B83	1044	1	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B83	1044	1	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B83	1044	1.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B83	1044	1.5	B.2.4-7b	0	B.2.4-7b	0	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 3 of 4

Story	Label	UniqueName	Station	TLngCombo	TLngRebar	TTrnCombo	TTrnRebar	WarnMsg
Unitless	Unitless	Unitless	m	Unitless	m²	Unitless	m²/m	Unitless
CB	B83	1044	2	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B83	1044	2	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B83	1044	2.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B83	1044	2.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B83	1044	3	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B83	1044	3	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B83	1044	3.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B83	1044	3.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B83	1044	4	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B83	1044	4	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B83	1044	4.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B83	1044	4.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B83	1044	5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B83	1044	5	B.2.4-5b	0.000726	B.2.4-5b	0.00012	No Message
CB	B83	1044	5.5	B.2.4-5b	0.000726	B.2.4-5b	0.00012	No Message
CB	B83	1044	5.5	B.2.4-7b	0.000726	B.2.4-5b	0.0002	No Message
CB	B83	1044	5.75	B.2.4-7b	0.000726	B.2.4-5b	0.0002	No Message
CB	B90	1048	0.25	B.2.4-7b	0.000726	B.2.4-5b	0.0002	No Message
CB	B90	1048	0.5	B.2.4-7b	0.000726	B.2.4-5b	0.0002	No Message
CB	B90	1048	0.5	B.2.4-5b	0.000726	B.2.4-5b	0.00012	No Message
CB	B90	1048	1	B.2.4-5b	0.000726	B.2.4-5b	0.00012	No Message
CB	B90	1048	1	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B90	1048	1.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B90	1048	1.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B90	1048	2	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B90	1048	2	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B90	1048	2.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B90	1048	2.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B90	1048	3	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B90	1048	3	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B90	1048	3.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B90	1048	3.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B90	1048	4	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B90	1048	4	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B90	1048	4.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B90	1048	4.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B90	1048	5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B90	1048	5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B90	1048	5.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B90	1048	5.5	B.2.4-7b	0.000726	B.2.4-5b	0.00018	No Message
CB	B90	1048	5.75	B.2.4-7b	0.000726	B.2.4-5b	0.00018	No Message
CB	B91	1049	0.25	B.2.4-7b	0.000726	B.2.4-5b	0.00017	No Message
CB	B91	1049	0.5	B.2.4-7b	0.000726	B.2.4-5b	0.00017	No Message
CB	B91	1049	0.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B91	1049	1	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B91	1049	1	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B91	1049	1.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B91	1049	1.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B91	1049	2	B.2.4-7b	0	B.2.4-7b	0	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 3 of 4

Story	Label	UniqueName	Station	TLngCombo	TLngRebar	TTrnCombo	TTrnRebar	WarnMsg
Unitless	Unitless	Unitless	m	Unitless	m²	Unitless	m²/m	Unitless
CB	B91	1049	2	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B91	1049	2.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B91	1049	2.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B91	1049	3	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B91	1049	3	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B91	1049	3.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B91	1049	3.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B91	1049	4	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B91	1049	4	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B91	1049	4.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B91	1049	4.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B91	1049	5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B91	1049	5	B.2.4-5b	0.000726	B.2.4-5b	0.00012	No Message
CB	B91	1049	5.5	B.2.4-5b	0.000726	B.2.4-5b	0.00012	No Message
CB	B91	1049	5.5	B.2.4-7b	0.000726	B.2.4-5b	0.0002	No Message
CB	B91	1049	5.75	B.2.4-7b	0.000726	B.2.4-5b	0.0002	No Message
CB	B109	403	0.3	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B109	403	0.79091	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B109	403	1.28182	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B109	403	1.77273	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B109	403	2.26364	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B109	403	2.75455	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B109	403	3.24545	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B109	403	3.73636	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B109	403	4.22727	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B109	403	4.71818	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B109	403	5.20909	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B109	403	5.7	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B112	416	0.3	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B112	416	0.79091	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B112	416	1.28182	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B112	416	1.77273	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B112	416	2.26364	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B112	416	2.75455	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B112	416	3.24545	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B112	416	3.73636	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B112	416	4.22727	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B112	416	4.71818	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B112	416	5.20909	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B112	416	5.7	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B115	420	0.3	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B115	420	0.79091	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B115	420	1.28182	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B115	420	1.77273	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B115	420	2.26364	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B115	420	2.75455	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B115	420	3.24545	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B115	420	3.73636	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B115	420	4.22727	B.2.4-7b	0	B.2.4-7b	0	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 3 of 4

Story	Label	UniqueName	Station	TLngCombo	TLngRebar	TTrnCombo	TTrnRebar	WarnMsg
Unitless	Unitless	Unitless	m	Unitless	m²	Unitless	m²/m	Unitless
CB	B115	420	4.71818	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B115	420	5.20909	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B115	420	5.7	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B56	424	0	B.2.4-7b	0.000569	B.2.4-5b	0.00015	No Message
CB	B56	424	0.5	B.2.4-7b	0.000569	B.2.4-5b	0.00015	No Message
CB	B56	424	0.5	B.2.4-5b	0.000569	B.2.4-5b	0.0001	No Message
CB	B56	424	1	B.2.4-5b	0.000569	B.2.4-5b	0.0001	No Message
CB	B56	424	1	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B56	424	1.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B56	424	1.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B56	424	2	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B56	424	2	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B56	424	2.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B56	424	2.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B56	424	3	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B56	424	3	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B56	424	3.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B56	424	3.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B56	424	4	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B56	424	4	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B56	424	4.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B56	424	4.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B56	424	5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B56	424	5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B56	424	5.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B56	424	5.5	B.2.4-7b	0.000569	B.2.4-5b	0.00012	No Message
CB	B56	424	6	B.2.4-7b	0.000569	B.2.4-5b	0.00012	No Message
CB	B57	428	0	B.2.4-7b	0.000569	B.2.4-5b	0.00012	No Message
CB	B57	428	0.5	B.2.4-7b	0.000569	B.2.4-5b	0.00012	No Message
CB	B57	428	0.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B57	428	1	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B57	428	1	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B57	428	1.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B57	428	1.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B57	428	2	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B57	428	2	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B57	428	2.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B57	428	2.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B57	428	3	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B57	428	3	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B57	428	3.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B57	428	3.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B57	428	4	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B57	428	4	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B57	428	4.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B57	428	4.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B57	428	5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B57	428	5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B57	428	5.5	B.2.4-7b	0	B.2.4-7b	0	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 3 of 4

Story	Label	UniqueName	Station	TLngCombo	TLngRebar	TTrnCombo	TTrnRebar	WarnMsg
Unitless	Unitless	Unitless	m	Unitless	m²	Unitless	m²/m	Unitless
CB	B57	428	5.5	B.2.4-5b	0.000569	B.2.4-5b	0.00011	No Message
CB	B57	428	6	B.2.4-5b	0.000569	B.2.4-5b	0.00011	No Message
CB	B58	432	0	B.2.4-5b	0.000569	B.2.4-5b	0.00012	No Message
CB	B58	432	0.5	B.2.4-5b	0.000569	B.2.4-5b	0.00012	No Message
CB	B58	432	0.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B58	432	1	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B58	432	1	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B58	432	1.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B58	432	1.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B58	432	2	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B58	432	2	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B58	432	2.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B58	432	2.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B58	432	3	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B58	432	3	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B58	432	3.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B58	432	3.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B58	432	4	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B58	432	4	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B58	432	4.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B58	432	4.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B58	432	5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B58	432	5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B58	432	5.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B58	432	5.5	B.2.4-5b	0.000569	B.2.4-5b	0.0001	No Message
CB	B58	432	6	B.2.4-5b	0.000569	B.2.4-5b	0.0001	No Message
CB	B103	436	0	B.2.4-7b	0.000569	B.2.4-5b	0.00016	No Message
CB	B103	436	0.5	B.2.4-7b	0.000569	B.2.4-5b	0.00016	No Message
CB	B103	436	0.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B103	436	1	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B103	436	1	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B103	436	1.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B103	436	1.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B103	436	2	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B103	436	2	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B103	436	2.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B103	436	2.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B103	436	3	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B103	436	3	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B103	436	3.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B103	436	3.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B103	436	4	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B103	436	4	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B103	436	4.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B103	436	4.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B103	436	5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B103	436	5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B103	436	5.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B103	436	5.5	B.2.4-7b	0	B.2.4-7b	0	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 3 of 4

Story	Label	UniqueName	Station	TLngCombo	TLngRebar	TTrnCombo	TTrnRebar	WarnMsg
Unitless	Unitless	Unitless	m	Unitless	m²	Unitless	m²/m	Unitless
CB	B103	436	6	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B107	489	0	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B107	489	0.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B107	489	0.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B107	489	1	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B107	489	1	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B107	489	1.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B107	489	1.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B107	489	2	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B107	489	2	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B107	489	2.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B107	489	2.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B107	489	3	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B107	489	3	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B107	489	3.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B107	489	3.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B107	489	4	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B107	489	4	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B107	489	4.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B107	489	4.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B107	489	5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B107	489	5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B107	489	5.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B107	489	5.5	B.2.4-7b	0.000569	B.2.4-5b	0.00011	No Message
CB	B107	489	6	B.2.4-7b	0.000569	B.2.4-5b	0.00011	No Message
CB	B108	505	0	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B108	505	0.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B108	505	0.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B108	505	1	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B108	505	1	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B108	505	1.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B108	505	1.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B108	505	2	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B108	505	2	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B108	505	2.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B108	505	2.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B108	505	3	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B108	505	3	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B108	505	3.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B108	505	3.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B108	505	4	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B108	505	4	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B108	505	4.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B108	505	4.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B108	505	5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B108	505	5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B108	505	5.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B108	505	5.5	B.2.4-7b	0.000569	B.2.4-5b	0.00011	No Message
CB	B108	505	6	B.2.4-7b	0.000569	B.2.4-5b	0.00011	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 3 of 4

Story	Label	UniqueName	Station	TLngCombo	TLngRebar	TTrnCombo	TTrnRebar	WarnMsg
Unitless	Unitless	Unitless	m	Unitless	m²	Unitless	m²/m	Unitless
CB	B110	638	0	B.2.4-5b	0.000569	B.2.4-5b	0.00011	No Message
CB	B110	638	0.5	B.2.4-5b	0.000569	B.2.4-5b	0.00011	No Message
CB	B110	638	0.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B110	638	1	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B110	638	1	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B110	638	1.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B110	638	1.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B110	638	2	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B110	638	2	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B110	638	2.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B110	638	2.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B110	638	3	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B110	638	3	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B110	638	3.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B110	638	3.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B110	638	4	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B110	638	4	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B110	638	4.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B110	638	4.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B110	638	5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B110	638	5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B110	638	5.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B110	638	5.5	B.2.4-7b	0.000569	B.2.4-5b	0.00013	No Message
CB	B110	638	6	B.2.4-7b	0.000569	B.2.4-5b	0.00013	No Message
CB	B111	650	0	B.2.4-7b	0.000569	B.2.4-5b	0.00012	No Message
CB	B111	650	0.5	B.2.4-7b	0.000569	B.2.4-5b	0.00012	No Message
CB	B111	650	0.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B111	650	1	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B111	650	1	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B111	650	1.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B111	650	1.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B111	650	2	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B111	650	2	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B111	650	2.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B111	650	2.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B111	650	3	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B111	650	3	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B111	650	3.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B111	650	3.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B111	650	4	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B111	650	4	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B111	650	4.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B111	650	4.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B111	650	5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B111	650	5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B111	650	5.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B111	650	5.5	B.2.4-7b	0.000569	B.2.4-5b	0.00015	No Message
CB	B111	650	6	B.2.4-7b	0.000569	B.2.4-5b	0.00015	No Message
CB	B136	875	0.3	B.2.4-6b	0.000665	B.2.4-5b	0.00048	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 3 of 4

Story	Label	UniqueName	Station	TLngCombo	TLngRebar	TTrnCombo	TTrnRebar	WarnMsg
Unitless	Unitless	Unitless	m	Unitless	m²	Unitless	m²/m	Unitless
CB	B136	875	0.5	B.2.4-6b	0.000665	B.2.4-5b	0.00048	No Message
CB	B136	875	0.5	B.2.4-6b	0.000726	B.2.4-5b	0.00036	No Message
CB	B136	875	1	B.2.4-6b	0.000726	B.2.4-5b	0.00036	No Message
CB	B136	875	1	B.2.4-6b	0.000726	B.2.4-5b	0.00027	No Message
CB	B136	875	1.5	B.2.4-6b	0.000726	B.2.4-5b	0.00027	No Message
CB	B136	875	1.5	B.2.4-7b	0.000726	B.2.4-5b	0.00019	No Message
CB	B136	875	2	B.2.4-7b	0.000726	B.2.4-5b	0.00019	No Message
CB	B136	875	2	B.2.4-5b	0.000726	B.2.4-5b	0.00012	No Message
CB	B136	875	2.5	B.2.4-5b	0.000726	B.2.4-5b	0.00012	No Message
CB	B136	875	2.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B136	875	3	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B136	875	3	B.2.4-7b	0.000726	B.2.4-5b	0.00014	No Message
CB	B136	875	3.5	B.2.4-7b	0.000726	B.2.4-5b	0.00014	No Message
CB	B136	875	3.5	B.2.4-7b	0.000726	B.2.4-5b	0.00019	No Message
CB	B136	875	4	B.2.4-7b	0.000726	B.2.4-5b	0.00019	No Message
CB	B136	875	4	B.2.4-7b	0.000726	B.2.4-5b	0.00025	No Message
CB	B136	875	4.5	B.2.4-7b	0.000726	B.2.4-5b	0.00025	No Message
CB	B136	875	4.5	B.2.4-6b	0.000726	B.2.4-2	0.00031	No Message
CB	B136	875	5	B.2.4-6b	0.000726	B.2.4-2	0.00031	No Message
CB	B136	875	5	B.2.4-6b	0.00069	B.2.4-2	0.00039	No Message
CB	B136	875	5.5	B.2.4-6b	0.00069	B.2.4-2	0.00039	No Message
CB	B136	875	5.5	B.2.4-5b	0.000647	B.2.4-5b	0.00048	No Message
CB	B136	875	5.7	B.2.4-5b	0.000647	B.2.4-5b	0.00048	No Message
CB	B139	915	0.3	B.2.4-1	0.000706	B.2.4-5b	0.00036	No Message
CB	B139	915	0.47143	B.2.4-1	0.000706	B.2.4-5b	0.00036	No Message
CB	B139	915	0.47143	B.2.4-4b	0.000726	B.2.4-5b	0.00028	No Message
CB	B139	915	0.94286	B.2.4-4b	0.000726	B.2.4-5b	0.00028	No Message
CB	B139	915	0.94286	B.2.4-4b	0.000726	B.2.4-5b	0.00023	No Message
CB	B139	915	1.41429	B.2.4-4b	0.000726	B.2.4-5b	0.00023	No Message
CB	B139	915	1.41429	B.2.4-7b	0.000726	B.2.4-5b	0.00018	No Message
CB	B139	915	1.88571	B.2.4-7b	0.000726	B.2.4-5b	0.00018	No Message
CB	B139	915	1.88571	B.2.4-7b	0.000726	B.2.4-5b	0.00014	No Message
CB	B139	915	2.35714	B.2.4-7b	0.000726	B.2.4-5b	0.00014	No Message
CB	B139	915	2.35714	B.2.4-5b	0.000726	B.2.4-5b	0.00011	No Message
CB	B139	915	2.82857	B.2.4-5b	0.000726	B.2.4-5b	0.00011	No Message
CB	B139	915	2.82857	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B139	915	3.3	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B139	915	3.3	B.2.4-1	0.000726	B.2.4-5b	0.00028	No Message
CB	B139	915	3.78	B.2.4-1	0.000726	B.2.4-5b	0.00028	No Message
CB	B139	915	4.26	B.2.4-1	0.000726	B.2.4-5b	0.00028	No Message
CB	B139	915	4.74	B.2.4-1	0.000726	B.2.4-5b	0.00028	No Message
CB	B139	915	5.22	B.2.4-1	0.000726	B.2.4-5b	0.00028	No Message
CB	B139	915	5.7	B.2.4-1	0.000726	B.2.4-5b	0.00028	No Message
CB	B142	477	0	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B142	477	0.47143	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B142	477	0.47143	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B142	477	0.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B142	477	0.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B142	477	0.94286	B.2.4-7b	0	B.2.4-7b	0	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 3 of 4

Story	Label	UniqueName	Station	TLngCombo	TLngRebar	TTrnCombo	TTrnRebar	WarnMsg
Unitless	Unitless	Unitless	m	Unitless	m²	Unitless	m²/m	Unitless
CB	B142	477	0.94286	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B142	477	1	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B142	477	1	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B142	477	1.41429	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B142	477	1.41429	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B142	477	1.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B142	477	1.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B142	477	1.88571	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B142	477	1.88571	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B142	477	2	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B142	477	2	B.2.4-5b	0.000569	B.2.4-5b	0.0001	No Message
CB	B142	477	2.35714	B.2.4-5b	0.000569	B.2.4-5b	0.0001	No Message
CB	B142	477	2.35714	B.2.4-5b	0.000569	B.2.4-5b	0.00011	No Message
CB	B142	477	2.5	B.2.4-5b	0.000569	B.2.4-5b	0.00011	No Message
CB	B142	477	2.5	B.2.4-5b	0.000569	B.2.4-5b	0.00012	No Message
CB	B142	477	2.82857	B.2.4-5b	0.000569	B.2.4-5b	0.00012	No Message
CB	B142	477	2.82857	B.2.4-5b	0.000569	B.2.4-5b	0.00012	No Message
CB	B142	477	3	B.2.4-5b	0.000569	B.2.4-5b	0.00012	No Message
CB	B142	477	3	B.2.4-5b	0.000569	B.2.4-5b	0.00011	No Message
CB	B142	477	3.3	B.2.4-5b	0.000569	B.2.4-5b	0.00011	No Message
CB	B142	477	3.3	B.2.4-5b	0.000569	B.2.4-5b	9E-05	No Message
CB	B142	477	3.5	B.2.4-5b	0.000569	B.2.4-5b	9E-05	No Message
CB	B142	477	3.5	B.2.4-5b	0.000569	B.2.4-3b	0.00015	No Message
CB	B142	477	4	B.2.4-5b	0.000569	B.2.4-3b	0.00015	No Message
CB	B142	477	4	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B142	477	4.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B142	477	4.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B142	477	5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B142	477	5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B142	477	5.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B142	477	5.5	B.2.4-7b	0.000569	B.2.4-5b	0.00015	No Message
CB	B142	477	6	B.2.4-7b	0.000569	B.2.4-5b	0.00015	No Message
CB	B185	855	0	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B185	855	0.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B185	855	1	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B185	855	1.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B185	855	2	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B185	855	2.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B185	855	3	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B185	855	3.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B185	855	4	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B188	862	0.2	B.2.4-5b	0.000549	B.2.4-5b	0.00041	No Message
CB	B188	862	0.47	B.2.4-5b	0.000549	B.2.4-5b	0.00041	No Message
CB	B188	862	0.74	B.2.4-5b	0.000549	B.2.4-5b	0.00041	No Message
CB	B189	874	0.2	B.2.4-7b	0.000585	B.2.4-5b	0.00028	No Message
CB	B189	874	0.47	B.2.4-7b	0.000585	B.2.4-5b	0.00028	No Message
CB	B189	874	0.74	B.2.4-7b	0.000585	B.2.4-5b	0.00028	No Message
CB	B814	642	0.2	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B814	642	0.47143	B.2.4-7b	0	B.2.4-7b	0	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 3 of 4

Story	Label	UniqueName	Station	TLngCombo	TLngRebar	TTrnCombo	TTrnRebar	WarnMsg
Unitless	Unitless	Unitless	m	Unitless	m²	Unitless	m²/m	Unitless
CB	B814	642	0.47143	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B814	642	0.94286	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B814	642	0.94286	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B814	642	1.41429	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B814	642	1.41429	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B814	642	1.88571	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B814	642	1.88571	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B814	642	2.35714	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B814	642	2.35714	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B814	642	2.82857	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B814	642	2.82857	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B814	642	3.3	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B814	642	3.3	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B814	642	3.79	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B814	642	4.28	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B814	642	4.77	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B814	642	5.26	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B814	642	5.75	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B130	490	0.3	B.2.4-1	0.000725	B.2.4-5b	0.00026	No Message
CB	B130	490	0.44667	B.2.4-1	0.000725	B.2.4-5b	0.00026	No Message
CB	B130	490	0.44667	B.2.4-7b	0.000726	B.2.4-5b	0.00018	No Message
CB	B130	490	0.89333	B.2.4-7b	0.000726	B.2.4-5b	0.00018	No Message
CB	B130	490	0.89333	B.2.4-5b	0.000726	B.2.4-5b	0.00012	No Message
CB	B130	490	1.34	B.2.4-5b	0.000726	B.2.4-5b	0.00012	No Message
CB	B130	490	1.34	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B130	490	1.78667	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B130	490	1.78667	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B130	490	2.23333	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B130	490	2.23333	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B130	490	2.68	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B130	490	2.68	B.2.4-5b	0.000726	B.2.4-5b	0.00011	No Message
CB	B130	490	3.12667	B.2.4-5b	0.000726	B.2.4-5b	0.00011	No Message
CB	B130	490	3.12667	B.2.4-7b	0.000726	B.2.4-5b	0.00015	No Message
CB	B130	490	3.57333	B.2.4-7b	0.000726	B.2.4-5b	0.00015	No Message
CB	B130	490	3.57333	B.2.4-7b	0.000726	B.2.4-5b	0.00021	No Message
CB	B130	490	3.77	B.2.4-7b	0.000726	B.2.4-5b	0.00021	No Message
CB	B131	486	0.3	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B131	486	0.79571	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B131	486	1.29143	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B131	486	1.78714	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B131	486	2.28286	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B131	486	2.77857	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B131	486	3.27429	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B131	486	3.77	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B478	433	0.25	B.2.4-4b	0.000815	B.2.4-5b	0.00031	No Message
CB	B478	433	0.42167	B.2.4-4b	0.000815	B.2.4-5b	0.00031	No Message
CB	B478	433	0.42167	B.2.4-7b	0.000729	B.2.4-5b	0.00026	No Message
CB	B478	433	0.84333	B.2.4-7b	0.000729	B.2.4-5b	0.00026	No Message
CB	B478	433	0.84333	B.2.4-7b	0.000778	B.2.4-5b	0.00022	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 3 of 4

Story	Label	UniqueName	Station	TLngCombo	TLngRebar	TTrnCombo	TTrnRebar	WarnMsg
Unitless	Unitless	Unitless	m	Unitless	m²	Unitless	m²/m	Unitless
CB	B478	433	1.265	B.2.4-7b	0.000778	B.2.4-5b	0.00022	No Message
CB	B478	433	1.265	B.2.4-7b	0.000815	B.2.4-5b	0.00019	No Message
CB	B478	433	1.68667	B.2.4-7b	0.000815	B.2.4-5b	0.00019	No Message
CB	B478	433	1.68667	B.2.4-7b	0.000815	B.2.4-5b	0.00016	No Message
CB	B478	433	2.10833	B.2.4-7b	0.000815	B.2.4-5b	0.00016	No Message
CB	B478	433	2.10833	B.2.4-7b	0.000815	B.2.4-5b	0.00014	No Message
CB	B478	433	2.53	B.2.4-7b	0.000815	B.2.4-5b	0.00014	No Message
CB	B478	433	2.53	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B478	433	2.99833	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B478	433	3.46667	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B478	433	3.935	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B478	433	4.40333	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B478	433	4.87167	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B478	433	5.34	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B478	433	5.80833	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B478	433	6.27667	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B478	433	6.745	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B478	433	7.21333	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B478	433	7.68167	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B478	433	8.15	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B479	682	0	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B479	682	0.44667	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B479	682	0.44667	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B479	682	0.89333	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B479	682	0.89333	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B479	682	1.34	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B479	682	1.34	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B479	682	1.78667	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B479	682	1.78667	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B479	682	2.23333	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B479	682	2.23333	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B479	682	2.68	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B479	682	2.68	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B479	682	3.12667	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B479	682	3.12667	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B479	682	3.57333	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B479	682	3.57333	B.2.4-5b	0.000569	B.2.4-5b	0.0001	No Message
CB	B479	682	4.02	B.2.4-5b	0.000569	B.2.4-5b	0.0001	No Message
CB	B4	1007	0.2	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B4	1007	0.49625	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B4	1007	0.49625	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B4	1007	0.9925	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B4	1007	0.9925	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B4	1007	1.48875	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B4	1007	1.48875	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B4	1007	1.985	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B4	1007	1.985	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B4	1007	2.48125	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B4	1007	2.48125	B.2.4-7b	0	B.2.4-7b	0	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 3 of 4

Story	Label	UniqueName	Station	TLngCombo	TLngRebar	TTrnCombo	TTrnRebar	WarnMsg
Unitless	Unitless	Unitless	m	Unitless	m²	Unitless	m²/m	Unitless
CB	B4	1007	2.9775	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B4	1007	2.9775	B.2.4-5b	0.000726	B.2.4-5b	0.00011	No Message
CB	B4	1007	3.47375	B.2.4-5b	0.000726	B.2.4-5b	0.00011	No Message
CB	B4	1007	3.47375	B.2.4-5b	0.000726	B.2.4-5b	0.00014	No Message
CB	B4	1007	3.77	B.2.4-5b	0.000726	B.2.4-5b	0.00014	No Message
CB	B18	716	0.3	B.2.4-6b	0.000726	B.2.4-5b	0.00029	No Message
CB	B18	716	0.45625	B.2.4-6b	0.000726	B.2.4-5b	0.00029	No Message
CB	B18	716	0.45625	B.2.4-7b	0.000726	B.2.4-5b	0.00022	No Message
CB	B18	716	0.9125	B.2.4-7b	0.000726	B.2.4-5b	0.00022	No Message
CB	B18	716	0.9125	B.2.4-7b	0.000726	B.2.4-5b	0.00016	No Message
CB	B18	716	1.36875	B.2.4-7b	0.000726	B.2.4-5b	0.00016	No Message
CB	B18	716	1.36875	B.2.4-5b	0.000726	B.2.4-5b	0.00011	No Message
CB	B18	716	1.825	B.2.4-5b	0.000726	B.2.4-5b	0.00011	No Message
CB	B18	716	1.825	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B18	716	2.28125	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B18	716	2.28125	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B18	716	2.7375	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B18	716	2.7375	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B18	716	3.19375	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B18	716	3.19375	B.2.4-5b	0.000726	B.2.4-5b	0.00014	No Message
CB	B18	716	3.4	B.2.4-5b	0.000726	B.2.4-5b	0.00014	No Message
CB	B77	718	0.25	B.2.4-1	0.000724	B.2.4-5b	0.00024	No Message
CB	B77	718	0.475	B.2.4-1	0.000724	B.2.4-5b	0.00024	No Message
CB	B77	718	0.475	B.2.4-7b	0.000726	B.2.4-5b	0.00018	No Message
CB	B77	718	0.95	B.2.4-7b	0.000726	B.2.4-5b	0.00018	No Message
CB	B77	718	0.95	B.2.4-5b	0.000726	B.2.4-5b	0.00013	No Message
CB	B77	718	1.425	B.2.4-5b	0.000726	B.2.4-5b	0.00013	No Message
CB	B77	718	1.425	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B77	718	1.9	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B77	718	1.9	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B77	718	2.375	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B77	718	2.375	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B77	718	2.85	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B77	718	2.85	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B77	718	3.325	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B77	718	3.325	B.2.4-5b	0.000726	B.2.4-5b	0.00015	No Message
CB	B77	718	3.8	B.2.4-5b	0.000726	B.2.4-5b	0.00015	No Message
CB	B77	718	3.8	B.2.4-7b	0.000726	B.2.4-5b	0.00021	No Message
CB	B77	718	4.275	B.2.4-7b	0.000726	B.2.4-5b	0.00021	No Message
CB	B77	718	4.275	B.2.4-6b	0.000726	B.2.4-5b	0.00027	No Message
CB	B77	718	4.5	B.2.4-6b	0.000726	B.2.4-5b	0.00027	No Message
CB	B80	115	0.25	B.2.4-7b	0.000726	B.2.4-5b	0.00017	No Message
CB	B80	115	0.47143	B.2.4-7b	0.000726	B.2.4-5b	0.00017	No Message
CB	B80	115	0.47143	B.2.4-7b	0.000726	B.2.4-5b	0.00013	No Message
CB	B80	115	0.94286	B.2.4-7b	0.000726	B.2.4-5b	0.00013	No Message
CB	B80	115	0.94286	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B80	115	1.41429	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B80	115	1.41429	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B80	115	1.88571	B.2.4-7b	0	B.2.4-7b	0	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 3 of 4

Story	Label	UniqueName	Station	TLngCombo	TLngRebar	TTrnCombo	TTrnRebar	WarnMsg
Unitless	Unitless	Unitless	m	Unitless	m²	Unitless	m²/m	Unitless
CB	B80	115	1.88571	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B80	115	2.35714	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B80	115	2.35714	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B80	115	2.82857	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B80	115	2.82857	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B80	115	3.3	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B80	115	3.3	B.2.4-5b	0.000726	B.2.4-5b	0.00012	No Message
CB	B80	115	3.79	B.2.4-5b	0.000726	B.2.4-5b	0.00012	No Message
CB	B80	115	4.28	B.2.4-5b	0.000726	B.2.4-5b	0.00012	No Message
CB	B80	115	4.77	B.2.4-5b	0.000726	B.2.4-5b	0.00012	No Message
CB	B80	115	5.26	B.2.4-5b	0.000726	B.2.4-5b	0.00012	No Message
CB	B80	115	5.75	B.2.4-5b	0.000726	B.2.4-5b	0.00012	No Message
CB	B143	1011	0.2	B.2.4-7b	0.000569	B.2.4-5b	0.00014	No Message
CB	B143	1011	0.47143	B.2.4-7b	0.000569	B.2.4-5b	0.00014	No Message
CB	B143	1011	0.47143	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B143	1011	0.94286	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B143	1011	0.94286	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B143	1011	1.41429	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B143	1011	1.41429	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B143	1011	1.88571	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B143	1011	1.88571	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B143	1011	2.35714	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B143	1011	2.35714	B.2.4-5b	0.000569	B.2.4-5b	0.00011	No Message
CB	B143	1011	2.82857	B.2.4-5b	0.000569	B.2.4-5b	0.00011	No Message
CB	B143	1011	2.82857	B.2.4-7b	0.000569	B.2.4-5b	0.00016	No Message
CB	B143	1011	3.1	B.2.4-7b	0.000569	B.2.4-5b	0.00016	No Message
CB	B153	1015	0	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B153	1015	0.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B153	1015	0.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B153	1015	1	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B153	1015	1	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B153	1015	1.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B153	1015	1.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B153	1015	2	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B153	1015	2	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B153	1015	2.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B153	1015	2.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B153	1015	3	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B153	1015	3	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B153	1015	3.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B153	1015	3.5	B.2.4-5b	0.000569	B.2.4-5b	0.00012	No Message
CB	B153	1015	3.8	B.2.4-5b	0.000569	B.2.4-5b	0.00012	No Message
CB	B175	1019	0.2	B.2.4-5b	0.000569	B.2.4-5b	0.0001	No Message
CB	B175	1019	0.49625	B.2.4-5b	0.000569	B.2.4-5b	0.0001	No Message
CB	B175	1019	0.49625	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B175	1019	0.9925	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B175	1019	0.9925	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B175	1019	1.48875	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B175	1019	1.48875	B.2.4-7b	0	B.2.4-7b	0	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 3 of 4

Story	Label	UniqueName	Station	TLngCombo	TLngRebar	TTrnCombo	TTrnRebar	WarnMsg
Unitless	Unitless	Unitless	m	Unitless	m²	Unitless	m²/m	Unitless
CB	B175	1019	1.985	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B175	1019	1.985	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B175	1019	2.48125	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B175	1019	2.48125	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B175	1019	2.9775	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B175	1019	2.9775	B.2.4-5b	0.000564	B.2.4-5b	0.00013	No Message
CB	B175	1019	3.47375	B.2.4-5b	0.000564	B.2.4-5b	0.00013	No Message
CB	B175	1019	3.47375	B.2.4-2	0.000569	B.2.4-5b	0.00017	No Message
CB	B175	1019	3.77	B.2.4-2	0.000569	B.2.4-5b	0.00017	No Message
CB	B204	713	0	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B204	713	0.475	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B204	713	0.475	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B204	713	0.95	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B204	713	0.95	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B204	713	1.425	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B204	713	1.425	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B204	713	1.9	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B204	713	1.9	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B204	713	2.375	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B204	713	2.375	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B204	713	2.85	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B204	713	2.85	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B204	713	3.325	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B204	713	3.325	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B204	713	3.8	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B204	713	3.8	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B204	713	4.275	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B204	713	4.275	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B204	713	4.75	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B231	678	0	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B231	678	0.48917	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B231	678	0.48917	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B231	678	0.97833	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B231	678	0.97833	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B231	678	1.4675	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B231	678	1.4675	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B231	678	1.95667	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B231	678	1.95667	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B231	678	2.44583	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B231	678	2.44583	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B231	678	2.935	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B231	678	2.935	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B231	678	3.42417	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B231	678	3.42417	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B231	678	3.91333	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B231	678	3.91333	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B231	678	4.4025	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B231	678	4.4025	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B231	678	4.89167	B.2.4-7b	0	B.2.4-7b	0	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 3 of 4

Story	Label	UniqueName	Station	TLngCombo	TLngRebar	TTrnCombo	TTrnRebar	WarnMsg
Unitless	Unitless	Unitless	m	Unitless	m²	Unitless	m²/m	Unitless
CB	B231	678	4.89167	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B231	678	5.38083	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B231	678	5.38083	B.2.4-5b	0.000569	B.2.4-3b	0.00012	No Message
CB	B231	678	5.87	B.2.4-5b	0.000569	B.2.4-3b	0.00012	No Message
CB	B3	79	0.3	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B3	79	0.74286	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B3	79	1.18571	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B3	79	1.62857	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B3	79	2.07143	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B3	79	2.51429	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B3	79	2.95714	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B3	79	3.4	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B9	81	0.25	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B9	81	0.72222	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B9	81	1.19444	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B9	81	1.66667	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B9	81	2.13889	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B9	81	2.61111	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B9	81	3.08333	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B9	81	3.55556	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B9	81	4.02778	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B9	81	4.5	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B170	711	0	B.2.4-5b	0.000569	B.2.4-5b	9E-05	No Message
CB	B170	711	0.45625	B.2.4-5b	0.000569	B.2.4-5b	9E-05	No Message
CB	B170	711	0.45625	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B170	711	0.9125	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B170	711	0.9125	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B170	711	1.36875	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B170	711	1.36875	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B170	711	1.825	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B170	711	1.825	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B170	711	2.28125	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B170	711	2.28125	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B170	711	2.7375	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B170	711	2.7375	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B170	711	3.19375	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B170	711	3.19375	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B170	711	3.65	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B574	939	0.25	B.2.4-7b	0.000681	B.2.4-5b	0.00023	No Message
CB	B574	939	0.47143	B.2.4-7b	0.000681	B.2.4-5b	0.00023	No Message
CB	B574	939	0.47143	B.2.4-7b	0.000726	B.2.4-5b	0.00019	No Message
CB	B574	939	0.94286	B.2.4-7b	0.000726	B.2.4-5b	0.00019	No Message
CB	B574	939	0.94286	B.2.4-7b	0.000726	B.2.4-5b	0.00017	No Message
CB	B574	939	1.41429	B.2.4-7b	0.000726	B.2.4-5b	0.00017	No Message
CB	B574	939	1.41429	B.2.4-7b	0.000726	B.2.4-5b	0.00015	No Message
CB	B574	939	1.88571	B.2.4-7b	0.000726	B.2.4-5b	0.00015	No Message
CB	B574	939	1.88571	B.2.4-7b	0.000726	B.2.4-5b	0.00013	No Message
CB	B574	939	2.35714	B.2.4-7b	0.000726	B.2.4-5b	0.00013	No Message
CB	B574	939	2.35714	B.2.4-5b	0.000726	B.2.4-5b	0.0001	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 3 of 4

Story	Label	UniqueName	Station	TLngCombo	TLngRebar	TTrnCombo	TTrnRebar	WarnMsg
Unitless	Unitless	Unitless	m	Unitless	m²	Unitless	m²/m	Unitless
CB	B574	939	2.82857	B.2.4-5b	0.000726	B.2.4-5b	0.0001	No Message
CB	B574	939	2.82857	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B574	939	3.3	B.2.4-7b	0	B.2.4-7b	0	No Message
CB	B574	939	3.3	B.2.4-7b	0.000726	B.2.4-5b	0.00018	No Message
CB	B574	939	3.79	B.2.4-7b	0.000726	B.2.4-5b	0.00018	No Message
CB	B574	939	4.28	B.2.4-7b	0.000726	B.2.4-5b	0.00018	No Message
CB	B574	939	4.77	B.2.4-7b	0.000726	B.2.4-5b	0.00018	No Message
CB	B574	939	5.26	B.2.4-7b	0.000726	B.2.4-5b	0.00018	No Message
CB	B574	939	5.75	B.2.4-7b	0.000726	B.2.4-5b	0.00018	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 4 of 4

Table: Concrete Beam Design Summary - ACI 318-08, Part 4 of 4

Story	Label	UniqueName	Station	ErrMsg
Unitless	Unitless	Unitless	m	Unitless
CB	B1	687	0.25	No Message
CB	B1	687	0.70909	No Message
CB	B1	687	1.16818	No Message
CB	B1	687	1.62727	No Message
CB	B1	687	2.08636	No Message
CB	B1	687	2.54545	No Message
CB	B1	687	3.00455	No Message
CB	B1	687	3.46364	No Message
CB	B1	687	3.92273	No Message
CB	B1	687	4.38182	No Message
CB	B1	687	4.84091	No Message
CB	B1	687	5.3	No Message
CB	B2	691	0.3	No Message
CB	B2	691	0.42167	No Message
CB	B2	691	0.42167	No Message
CB	B2	691	0.84333	No Message
CB	B2	691	0.84333	No Message
CB	B2	691	1.265	No Message
CB	B2	691	1.265	No Message
CB	B2	691	1.68667	No Message
CB	B2	691	1.68667	No Message
CB	B2	691	2.10833	No Message
CB	B2	691	2.10833	No Message
CB	B2	691	2.53	No Message
CB	B2	691	2.53	No Message
CB	B2	691	2.99417	No Message
CB	B2	691	3.45833	No Message
CB	B2	691	3.9225	No Message
CB	B2	691	4.38667	No Message
CB	B2	691	4.85083	No Message
CB	B2	691	5.315	No Message
CB	B2	691	5.77917	No Message
CB	B2	691	6.24333	No Message
CB	B2	691	6.7075	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 4 of 4

Story	Label	UniqueName	Station	ErrMsg
Unitless	Unitless	Unitless	m	Unitless
CB	B2	691	7.17167	No Message
CB	B2	691	7.63583	No Message
CB	B2	691	8.1	No Message
CB	B5	719	0.25	No Message
CB	B5	719	0.69375	No Message
CB	B5	719	1.1375	No Message
CB	B5	719	1.58125	No Message
CB	B5	719	2.025	No Message
CB	B5	719	2.46875	No Message
CB	B5	719	2.9125	No Message
CB	B5	719	3.35625	No Message
CB	B5	719	3.8	No Message
CB	B6	723	0.25	No Message
CB	B6	723	0.70909	No Message
CB	B6	723	1.16818	No Message
CB	B6	723	1.62727	No Message
CB	B6	723	2.08636	No Message
CB	B6	723	2.54545	No Message
CB	B6	723	3.00455	No Message
CB	B6	723	3.46364	No Message
CB	B6	723	3.92273	No Message
CB	B6	723	4.38182	No Message
CB	B6	723	4.84091	No Message
CB	B6	723	5.3	No Message
CB	B7	727	0.3	No Message
CB	B7	727	0.42167	No Message
CB	B7	727	0.42167	No Message
CB	B7	727	0.84333	No Message
CB	B7	727	0.84333	No Message
CB	B7	727	1.265	No Message
CB	B7	727	1.265	No Message
CB	B7	727	1.68667	No Message
CB	B7	727	1.68667	No Message
CB	B7	727	2.10833	No Message
CB	B7	727	2.10833	No Message
CB	B7	727	2.53	No Message
CB	B7	727	2.53	No Message
CB	B7	727	2.99417	No Message
CB	B7	727	3.45833	No Message
CB	B7	727	3.9225	No Message
CB	B7	727	4.38667	No Message
CB	B7	727	4.85083	No Message
CB	B7	727	5.315	No Message
CB	B7	727	5.77917	No Message
CB	B7	727	6.24333	No Message
CB	B7	727	6.7075	No Message
CB	B7	727	7.17167	No Message
CB	B7	727	7.63583	No Message
CB	B7	727	8.1	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 4 of 4

Story	Label	UniqueName	Station	ErrMsg
Unitless	Unitless	Unitless	m	Unitless
CB	B10	739	0.25	No Message
CB	B10	739	0.69375	No Message
CB	B10	739	1.1375	No Message
CB	B10	739	1.58125	No Message
CB	B10	739	2.025	No Message
CB	B10	739	2.46875	No Message
CB	B10	739	2.9125	No Message
CB	B10	739	3.35625	No Message
CB	B10	739	3.8	No Message
CB	B12	747	0.3	No Message
CB	B12	747	0.42167	No Message
CB	B12	747	0.42167	No Message
CB	B12	747	0.84333	No Message
CB	B12	747	0.84333	No Message
CB	B12	747	1.265	No Message
CB	B12	747	1.265	No Message
CB	B12	747	1.68667	No Message
CB	B12	747	1.68667	No Message
CB	B12	747	2.10833	No Message
CB	B12	747	2.10833	No Message
CB	B12	747	2.53	No Message
CB	B12	747	2.53	No Message
CB	B12	747	2.99417	No Message
CB	B12	747	3.45833	No Message
CB	B12	747	3.9225	No Message
CB	B12	747	4.38667	No Message
CB	B12	747	4.85083	No Message
CB	B12	747	5.315	No Message
CB	B12	747	5.77917	No Message
CB	B12	747	6.24333	No Message
CB	B12	747	6.7075	No Message
CB	B12	747	7.17167	No Message
CB	B12	747	7.63583	No Message
CB	B12	747	8.1	No Message
CB	B15	759	0.25	No Message
CB	B15	759	0.69375	No Message
CB	B15	759	1.1375	No Message
CB	B15	759	1.58125	No Message
CB	B15	759	2.025	No Message
CB	B15	759	2.46875	No Message
CB	B15	759	2.9125	No Message
CB	B15	759	3.35625	No Message
CB	B15	759	3.8	No Message
CB	B17	767	0.3	No Message
CB	B17	767	0.42167	No Message
CB	B17	767	0.42167	No Message
CB	B17	767	0.84333	No Message
CB	B17	767	0.84333	No Message
CB	B17	767	1.265	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 4 of 4

Story	Label	UniqueName	Station	ErrMsg
Unitless	Unitless	Unitless	m	Unitless
CB	B17	767	1.265	No Message
CB	B17	767	1.68667	No Message
CB	B17	767	1.68667	No Message
CB	B17	767	2.10833	No Message
CB	B17	767	2.10833	No Message
CB	B17	767	2.53	No Message
CB	B17	767	2.53	No Message
CB	B17	767	2.99417	No Message
CB	B17	767	3.45833	No Message
CB	B17	767	3.9225	No Message
CB	B17	767	4.38667	No Message
CB	B17	767	4.85083	No Message
CB	B17	767	5.315	No Message
CB	B17	767	5.77917	No Message
CB	B17	767	6.24333	No Message
CB	B17	767	6.7075	No Message
CB	B17	767	7.17167	No Message
CB	B17	767	7.63583	No Message
CB	B17	767	8.1	No Message
CB	B20	779	0.25	No Message
CB	B20	779	0.69375	No Message
CB	B20	779	1.1375	No Message
CB	B20	779	1.58125	No Message
CB	B20	779	2.025	No Message
CB	B20	779	2.46875	No Message
CB	B20	779	2.9125	No Message
CB	B20	779	3.35625	No Message
CB	B20	779	3.8	No Message
CB	B21	783	0.25	No Message
CB	B21	783	0.70909	No Message
CB	B21	783	1.16818	No Message
CB	B21	783	1.62727	No Message
CB	B21	783	2.08636	No Message
CB	B21	783	2.54545	No Message
CB	B21	783	3.00455	No Message
CB	B21	783	3.46364	No Message
CB	B21	783	3.92273	No Message
CB	B21	783	4.38182	No Message
CB	B21	783	4.84091	No Message
CB	B21	783	5.3	No Message
CB	B22	787	0.3	No Message
CB	B22	787	0.42167	No Message
CB	B22	787	0.42167	No Message
CB	B22	787	0.84333	No Message
CB	B22	787	0.84333	No Message
CB	B22	787	1.265	No Message
CB	B22	787	1.265	No Message
CB	B22	787	1.68667	No Message
CB	B22	787	1.68667	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 4 of 4

Story	Label	UniqueName	Station	ErrMsg
Unitless	Unitless	Unitless	m	Unitless
CB	B22	787	2.10833	No Message
CB	B22	787	2.10833	No Message
CB	B22	787	2.53	No Message
CB	B22	787	2.53	No Message
CB	B22	787	2.99417	No Message
CB	B22	787	3.45833	No Message
CB	B22	787	3.9225	No Message
CB	B22	787	4.38667	No Message
CB	B22	787	4.85083	No Message
CB	B22	787	5.315	No Message
CB	B22	787	5.77917	No Message
CB	B22	787	6.24333	No Message
CB	B22	787	6.7075	No Message
CB	B22	787	7.17167	No Message
CB	B22	787	7.63583	No Message
CB	B22	787	8.1	No Message
CB	B24	795	0.25	No Message
CB	B24	795	0.70909	No Message
CB	B24	795	1.16818	No Message
CB	B24	795	1.62727	No Message
CB	B24	795	2.08636	No Message
CB	B24	795	2.54545	No Message
CB	B24	795	3.00455	No Message
CB	B24	795	3.46364	No Message
CB	B24	795	3.92273	No Message
CB	B24	795	4.38182	No Message
CB	B24	795	4.84091	No Message
CB	B24	795	5.3	No Message
CB	B25	799	0.3	No Message
CB	B25	799	0.42167	No Message
CB	B25	799	0.42167	No Message
CB	B25	799	0.84333	No Message
CB	B25	799	0.84333	No Message
CB	B25	799	1.265	No Message
CB	B25	799	1.265	No Message
CB	B25	799	1.68667	No Message
CB	B25	799	1.68667	No Message
CB	B25	799	2.10833	No Message
CB	B25	799	2.10833	No Message
CB	B25	799	2.53	No Message
CB	B25	799	2.53	No Message
CB	B25	799	2.99417	No Message
CB	B25	799	3.45833	No Message
CB	B25	799	3.9225	No Message
CB	B25	799	4.38667	No Message
CB	B25	799	4.85083	No Message
CB	B25	799	5.315	No Message
CB	B25	799	5.77917	No Message
CB	B25	799	6.24333	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 4 of 4

Story	Label	UniqueName	Station	ErrMsg
Unitless	Unitless	Unitless	m	Unitless
CB	B25	799	6.7075	No Message
CB	B25	799	7.17167	No Message
CB	B25	799	7.63583	No Message
CB	B25	799	8.1	No Message
CB	B27	807	0.25	No Message
CB	B27	807	0.70909	No Message
CB	B27	807	1.16818	No Message
CB	B27	807	1.62727	No Message
CB	B27	807	2.08636	No Message
CB	B27	807	2.54545	No Message
CB	B27	807	3.00455	No Message
CB	B27	807	3.46364	No Message
CB	B27	807	3.92273	No Message
CB	B27	807	4.38182	No Message
CB	B27	807	4.84091	No Message
CB	B27	807	5.3	No Message
CB	B28	811	0.3	No Message
CB	B28	811	0.42167	No Message
CB	B28	811	0.42167	No Message
CB	B28	811	0.84333	No Message
CB	B28	811	0.84333	No Message
CB	B28	811	1.265	No Message
CB	B28	811	1.265	No Message
CB	B28	811	1.68667	No Message
CB	B28	811	1.68667	No Message
CB	B28	811	2.10833	No Message
CB	B28	811	2.10833	No Message
CB	B28	811	2.53	No Message
CB	B28	811	2.53	No Message
CB	B28	811	2.99417	No Message
CB	B28	811	3.45833	No Message
CB	B28	811	3.9225	No Message
CB	B28	811	4.38667	No Message
CB	B28	811	4.85083	No Message
CB	B28	811	5.315	No Message
CB	B28	811	5.77917	No Message
CB	B28	811	6.24333	No Message
CB	B28	811	6.7075	No Message
CB	B28	811	7.17167	No Message
CB	B28	811	7.63583	No Message
CB	B28	811	8.1	No Message
CB	B30	819	0.25	No Message
CB	B30	819	0.42167	No Message
CB	B30	819	0.42167	No Message
CB	B30	819	0.84333	No Message
CB	B30	819	0.84333	No Message
CB	B30	819	1.265	No Message
CB	B30	819	1.265	No Message
CB	B30	819	1.68667	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 4 of 4

Story	Label	UniqueName	Station	ErrMsg
Unitless	Unitless	Unitless	m	Unitless
CB	B30	819	1.68667	No Message
CB	B30	819	2.10833	No Message
CB	B30	819	2.10833	No Message
CB	B30	819	2.53	No Message
CB	B30	819	2.53	No Message
CB	B30	819	2.99833	No Message
CB	B30	819	3.46667	No Message
CB	B30	819	3.935	No Message
CB	B30	819	4.40333	No Message
CB	B30	819	4.87167	No Message
CB	B30	819	5.34	No Message
CB	B30	819	5.80833	No Message
CB	B30	819	6.27667	No Message
CB	B30	819	6.745	No Message
CB	B30	819	7.21333	No Message
CB	B30	819	7.68167	No Message
CB	B30	819	8.15	No Message
CB	B31	823	0.25	No Message
CB	B31	823	0.70909	No Message
CB	B31	823	1.16818	No Message
CB	B31	823	1.62727	No Message
CB	B31	823	2.08636	No Message
CB	B31	823	2.54545	No Message
CB	B31	823	3.00455	No Message
CB	B31	823	3.46364	No Message
CB	B31	823	3.92273	No Message
CB	B31	823	4.38182	No Message
CB	B31	823	4.84091	No Message
CB	B31	823	5.3	No Message
CB	B32	827	0.3	No Message
CB	B32	827	0.42167	No Message
CB	B32	827	0.42167	No Message
CB	B32	827	0.84333	No Message
CB	B32	827	0.84333	No Message
CB	B32	827	1.265	No Message
CB	B32	827	1.265	No Message
CB	B32	827	1.68667	No Message
CB	B32	827	1.68667	No Message
CB	B32	827	2.10833	No Message
CB	B32	827	2.10833	No Message
CB	B32	827	2.53	No Message
CB	B32	827	2.53	No Message
CB	B32	827	2.99417	No Message
CB	B32	827	3.45833	No Message
CB	B32	827	3.9225	No Message
CB	B32	827	4.38667	No Message
CB	B32	827	4.85083	No Message
CB	B32	827	5.315	No Message
CB	B32	827	5.77917	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 4 of 4

Story	Label	UniqueName	Station	ErrMsg
Unitless	Unitless	Unitless	m	Unitless
CB	B32	827	6.24333	No Message
CB	B32	827	6.7075	No Message
CB	B32	827	7.17167	No Message
CB	B32	827	7.63583	No Message
CB	B32	827	8.1	No Message
CB	B35	839	0.25	No Message
CB	B35	839	0.69375	No Message
CB	B35	839	1.1375	No Message
CB	B35	839	1.58125	No Message
CB	B35	839	2.025	No Message
CB	B35	839	2.46875	No Message
CB	B35	839	2.9125	No Message
CB	B35	839	3.35625	No Message
CB	B35	839	3.8	No Message
CB	B37	847	0.3	No Message
CB	B37	847	0.42167	No Message
CB	B37	847	0.42167	No Message
CB	B37	847	0.84333	No Message
CB	B37	847	0.84333	No Message
CB	B37	847	1.265	No Message
CB	B37	847	1.265	No Message
CB	B37	847	1.68667	No Message
CB	B37	847	1.68667	No Message
CB	B37	847	2.10833	No Message
CB	B37	847	2.10833	No Message
CB	B37	847	2.53	No Message
CB	B37	847	2.53	No Message
CB	B37	847	3.01917	No Message
CB	B37	847	3.01917	No Message
CB	B37	847	3.50833	No Message
CB	B37	847	3.50833	No Message
CB	B37	847	3.9975	No Message
CB	B37	847	3.9975	No Message
CB	B37	847	4.48667	No Message
CB	B37	847	4.48667	No Message
CB	B37	847	4.97583	No Message
CB	B37	847	4.97583	No Message
CB	B37	847	5.465	No Message
CB	B37	847	5.465	No Message
CB	B37	847	5.95417	No Message
CB	B37	847	5.95417	No Message
CB	B37	847	6.44333	No Message
CB	B37	847	6.44333	No Message
CB	B37	847	6.9325	No Message
CB	B37	847	6.9325	No Message
CB	B37	847	7.42167	No Message
CB	B37	847	7.42167	No Message
CB	B37	847	7.91083	No Message
CB	B37	847	7.91083	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 4 of 4

Story	Label	UniqueName	Station	ErrMsg
Unitless	Unitless	Unitless	m	Unitless
CB	B37	847	8.1	No Message
CB	B40	859	0.25	No Message
CB	B40	859	0.5	No Message
CB	B40	859	0.5	No Message
CB	B40	859	1	No Message
CB	B40	859	1	No Message
CB	B40	859	1.5	No Message
CB	B40	859	1.5	No Message
CB	B40	859	2	No Message
CB	B40	859	2	No Message
CB	B40	859	2.5	No Message
CB	B40	859	2.5	No Message
CB	B40	859	3	No Message
CB	B40	859	3	No Message
CB	B40	859	3.5	No Message
CB	B40	859	3.5	No Message
CB	B40	859	4	No Message
CB	B40	859	4	No Message
CB	B40	859	4.5	No Message
CB	B40	859	4.5	No Message
CB	B40	859	5	No Message
CB	B40	859	5	No Message
CB	B40	859	5.5	No Message
CB	B40	859	5.5	No Message
CB	B40	859	5.7	No Message
CB	B41	863	0.3	No Message
CB	B41	863	0.5	No Message
CB	B41	863	0.5	No Message
CB	B41	863	1	No Message
CB	B41	863	1	No Message
CB	B41	863	1.5	No Message
CB	B41	863	1.5	No Message
CB	B41	863	2	No Message
CB	B41	863	2	No Message
CB	B41	863	2.5	No Message
CB	B41	863	2.5	No Message
CB	B41	863	2.54	No Message
CB	B41	863	2.54	No Message
CB	B41	863	3	No Message
CB	B41	863	3	No Message
CB	B41	863	3.5	No Message
CB	B41	863	3.5	No Message
CB	B41	863	4	No Message
CB	B41	863	4	No Message
CB	B41	863	4.5	No Message
CB	B41	863	4.5	No Message
CB	B41	863	5	No Message
CB	B41	863	5	No Message
CB	B41	863	5.5	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 4 of 4

Story	Label	UniqueName	Station	ErrMsg
Unitless	Unitless	Unitless	m	Unitless
CB	B41	863	5.5	No Message
CB	B41	863	5.7	No Message
CB	B42	867	0.3	No Message
CB	B42	867	0.5	No Message
CB	B42	867	0.5	No Message
CB	B42	867	1	No Message
CB	B42	867	1	No Message
CB	B42	867	1.5	No Message
CB	B42	867	1.5	No Message
CB	B42	867	2	No Message
CB	B42	867	2	No Message
CB	B42	867	2.5	No Message
CB	B42	867	2.5	No Message
CB	B42	867	3	No Message
CB	B42	867	3	No Message
CB	B42	867	3.5	No Message
CB	B42	867	3.5	No Message
CB	B42	867	4	No Message
CB	B42	867	4	No Message
CB	B42	867	4.5	No Message
CB	B42	867	4.5	No Message
CB	B42	867	5	No Message
CB	B42	867	5	No Message
CB	B42	867	5.5	No Message
CB	B42	867	5.5	No Message
CB	B42	867	5.7	No Message
CB	B43	871	0.3	No Message
CB	B43	871	0.5	No Message
CB	B43	871	0.5	No Message
CB	B43	871	1	No Message
CB	B43	871	1	No Message
CB	B43	871	1.5	No Message
CB	B43	871	1.5	No Message
CB	B43	871	2	No Message
CB	B43	871	2	No Message
CB	B43	871	2.5	No Message
CB	B43	871	2.5	No Message
CB	B43	871	3	No Message
CB	B43	871	3	No Message
CB	B43	871	3.5	No Message
CB	B43	871	3.5	No Message
CB	B43	871	4	No Message
CB	B43	871	4	No Message
CB	B43	871	4.5	No Message
CB	B43	871	4.5	No Message
CB	B43	871	5	No Message
CB	B43	871	5	No Message
CB	B43	871	5.5	No Message
CB	B43	871	5.5	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 4 of 4

Story	Label	UniqueName	Station	ErrMsg
Unitless	Unitless	Unitless	m	Unitless
CB	B43	871	5.7	No Message
CB	B46	883	0.3	No Message
CB	B46	883	0.5	No Message
CB	B46	883	0.5	No Message
CB	B46	883	1	No Message
CB	B46	883	1	No Message
CB	B46	883	1.5	No Message
CB	B46	883	1.5	No Message
CB	B46	883	2	No Message
CB	B46	883	2	No Message
CB	B46	883	2.5	No Message
CB	B46	883	2.5	No Message
CB	B46	883	3	No Message
CB	B46	883	3	No Message
CB	B46	883	3.5	No Message
CB	B46	883	3.5	No Message
CB	B46	883	4	No Message
CB	B46	883	4	No Message
CB	B46	883	4.5	No Message
CB	B46	883	4.5	No Message
CB	B46	883	5	No Message
CB	B46	883	5	No Message
CB	B46	883	5.5	No Message
CB	B46	883	5.5	No Message
CB	B46	883	5.7	No Message
CB	B47	887	0.3	No Message
CB	B47	887	0.5	No Message
CB	B47	887	0.5	No Message
CB	B47	887	1	No Message
CB	B47	887	1	No Message
CB	B47	887	1.5	No Message
CB	B47	887	1.5	No Message
CB	B47	887	2	No Message
CB	B47	887	2	No Message
CB	B47	887	2.5	No Message
CB	B47	887	2.5	No Message
CB	B47	887	3	No Message
CB	B47	887	3	No Message
CB	B47	887	3.5	No Message
CB	B47	887	3.5	No Message
CB	B47	887	4	No Message
CB	B47	887	4	No Message
CB	B47	887	4.5	No Message
CB	B47	887	4.5	No Message
CB	B47	887	5	No Message
CB	B47	887	5	No Message
CB	B47	887	5.5	No Message
CB	B47	887	5.5	No Message
CB	B47	887	5.7	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 4 of 4

Story	Label	UniqueName	Station	ErrMsg
Unitless	Unitless	Unitless	m	Unitless
CB	B48	891	0.3	No Message
CB	B48	891	0.5	No Message
CB	B48	891	0.5	No Message
CB	B48	891	1	No Message
CB	B48	891	1	No Message
CB	B48	891	1.5	No Message
CB	B48	891	1.5	No Message
CB	B48	891	2	No Message
CB	B48	891	2	No Message
CB	B48	891	2.5	No Message
CB	B48	891	2.5	No Message
CB	B48	891	3	No Message
CB	B48	891	3	No Message
CB	B48	891	3.5	No Message
CB	B48	891	3.5	No Message
CB	B48	891	4	No Message
CB	B48	891	4	No Message
CB	B48	891	4.5	No Message
CB	B48	891	4.5	No Message
CB	B48	891	5	No Message
CB	B48	891	5	No Message
CB	B48	891	5.5	No Message
CB	B48	891	5.5	No Message
CB	B48	891	5.7	No Message
CB	B49	895	0.3	No Message
CB	B49	895	0.5	No Message
CB	B49	895	0.5	No Message
CB	B49	895	1	No Message
CB	B49	895	1	No Message
CB	B49	895	1.5	No Message
CB	B49	895	1.5	No Message
CB	B49	895	2	No Message
CB	B49	895	2	No Message
CB	B49	895	2.5	No Message
CB	B49	895	2.5	No Message
CB	B49	895	3	No Message
CB	B49	895	3	No Message
CB	B49	895	3.5	No Message
CB	B49	895	3.5	No Message
CB	B49	895	4	No Message
CB	B49	895	4	No Message
CB	B49	895	4.5	No Message
CB	B49	895	4.5	No Message
CB	B49	895	5	No Message
CB	B49	895	5	No Message
CB	B49	895	5.5	No Message
CB	B49	895	5.5	No Message
CB	B49	895	5.7	No Message
CB	B50	899	0.25	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 4 of 4

Story	Label	UniqueName	Station	ErrMsg
Unitless	Unitless	Unitless	m	Unitless
CB	B50	899	0.74545	No Message
CB	B50	899	1.24091	No Message
CB	B50	899	1.73636	No Message
CB	B50	899	2.23182	No Message
CB	B50	899	2.72727	No Message
CB	B50	899	3.22273	No Message
CB	B50	899	3.71818	No Message
CB	B50	899	4.21364	No Message
CB	B50	899	4.70909	No Message
CB	B50	899	5.20455	No Message
CB	B50	899	5.7	No Message
CB	B51	903	0.3	No Message
CB	B51	903	0.79091	No Message
CB	B51	903	1.28182	No Message
CB	B51	903	1.77273	No Message
CB	B51	903	2.26364	No Message
CB	B51	903	2.75455	No Message
CB	B51	903	3.24545	No Message
CB	B51	903	3.73636	No Message
CB	B51	903	4.22727	No Message
CB	B51	903	4.71818	No Message
CB	B51	903	5.20909	No Message
CB	B51	903	5.7	No Message
CB	B52	907	0.3	No Message
CB	B52	907	0.79091	No Message
CB	B52	907	1.28182	No Message
CB	B52	907	1.77273	No Message
CB	B52	907	2.26364	No Message
CB	B52	907	2.75455	No Message
CB	B52	907	3.24545	No Message
CB	B52	907	3.73636	No Message
CB	B52	907	4.22727	No Message
CB	B52	907	4.71818	No Message
CB	B52	907	5.20909	No Message
CB	B52	907	5.7	No Message
CB	B53	911	0.3	No Message
CB	B53	911	0.79091	No Message
CB	B53	911	1.28182	No Message
CB	B53	911	1.77273	No Message
CB	B53	911	2.26364	No Message
CB	B53	911	2.75455	No Message
CB	B53	911	3.24545	No Message
CB	B53	911	3.73636	No Message
CB	B53	911	4.22727	No Message
CB	B53	911	4.71818	No Message
CB	B53	911	5.20909	No Message
CB	B53	911	5.7	No Message
CB	B59	935	0.3	No Message
CB	B59	935	0.79091	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 4 of 4

Story	Label	UniqueName	Station	ErrMsg
Unitless	Unitless	Unitless	m	Unitless
CB	B59	935	1.28182	No Message
CB	B59	935	1.77273	No Message
CB	B59	935	2.26364	No Message
CB	B59	935	2.75455	No Message
CB	B59	935	3.24545	No Message
CB	B59	935	3.73636	No Message
CB	B59	935	4.22727	No Message
CB	B59	935	4.71818	No Message
CB	B59	935	5.20909	No Message
CB	B59	935	5.7	No Message
CB	B62	947	0.25	No Message
CB	B62	947	0.75	No Message
CB	B62	947	1.25	No Message
CB	B62	947	1.75	No Message
CB	B62	947	2.25	No Message
CB	B62	947	2.75	No Message
CB	B62	947	3.25	No Message
CB	B62	947	3.75	No Message
CB	B62	947	4.25	No Message
CB	B62	947	4.75	No Message
CB	B62	947	5.25	No Message
CB	B62	947	5.75	No Message
CB	B63	951	0.25	No Message
CB	B63	951	0.75	No Message
CB	B63	951	1.25	No Message
CB	B63	951	1.75	No Message
CB	B63	951	2.25	No Message
CB	B63	951	2.75	No Message
CB	B63	951	3.25	No Message
CB	B63	951	3.75	No Message
CB	B63	951	4.25	No Message
CB	B63	951	4.75	No Message
CB	B63	951	5.25	No Message
CB	B63	951	5.75	No Message
CB	B64	955	0.25	No Message
CB	B64	955	0.75	No Message
CB	B64	955	1.25	No Message
CB	B64	955	1.75	No Message
CB	B64	955	2.25	No Message
CB	B64	955	2.75	No Message
CB	B64	955	3.25	No Message
CB	B64	955	3.75	No Message
CB	B64	955	4.25	No Message
CB	B64	955	4.75	No Message
CB	B64	955	5.25	No Message
CB	B64	955	5.75	No Message
CB	B65	959	0.25	No Message
CB	B65	959	0.7125	No Message
CB	B65	959	1.175	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 4 of 4

Story	Label	UniqueName	Station	ErrMsg
Unitless	Unitless	Unitless	m	Unitless
CB	B65	959	1.6375	No Message
CB	B65	959	2.1	No Message
CB	B65	959	2.5625	No Message
CB	B65	959	3.025	No Message
CB	B65	959	3.4875	No Message
CB	B65	959	3.95	No Message
CB	B65	959	4.4125	No Message
CB	B65	959	4.875	No Message
CB	B65	959	5.3375	No Message
CB	B65	959	5.8	No Message
CB	B66	858	0.2	No Message
CB	B66	858	0.66667	No Message
CB	B66	858	1.13333	No Message
CB	B66	858	1.6	No Message
CB	B66	858	2.06667	No Message
CB	B66	858	2.53333	No Message
CB	B66	858	3	No Message
CB	B66	858	3.46667	No Message
CB	B66	858	3.93333	No Message
CB	B66	858	4.4	No Message
CB	B66	858	4.86667	No Message
CB	B66	858	5.33333	No Message
CB	B66	858	5.8	No Message
CB	B70	1448	0.25	No Message
CB	B70	1448	0.7125	No Message
CB	B70	1448	1.175	No Message
CB	B70	1448	1.6375	No Message
CB	B70	1448	2.1	No Message
CB	B70	1448	2.5625	No Message
CB	B70	1448	3.025	No Message
CB	B70	1448	3.4875	No Message
CB	B70	1448	3.95	No Message
CB	B70	1448	4.4125	No Message
CB	B70	1448	4.875	No Message
CB	B70	1448	5.3375	No Message
CB	B70	1448	5.8	No Message
CB	B71	983	0.2	No Message
CB	B71	983	0.66667	No Message
CB	B71	983	1.13333	No Message
CB	B71	983	1.6	No Message
CB	B71	983	2.06667	No Message
CB	B71	983	2.53333	No Message
CB	B71	983	3	No Message
CB	B71	983	3.46667	No Message
CB	B71	983	3.93333	No Message
CB	B71	983	4.4	No Message
CB	B71	983	4.86667	No Message
CB	B71	983	5.33333	No Message
CB	B71	983	5.8	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 4 of 4

Story	Label	UniqueName	Station	ErrMsg
Unitless	Unitless	Unitless	m	Unitless
CB	B72	987	0.2	No Message
CB	B72	987	0.66667	No Message
CB	B72	987	1.13333	No Message
CB	B72	987	1.6	No Message
CB	B72	987	2.06667	No Message
CB	B72	987	2.53333	No Message
CB	B72	987	3	No Message
CB	B72	987	3.46667	No Message
CB	B72	987	3.93333	No Message
CB	B72	987	4.4	No Message
CB	B72	987	4.86667	No Message
CB	B72	987	5.33333	No Message
CB	B72	987	5.8	No Message
CB	B73	991	0.2	No Message
CB	B73	991	0.66667	No Message
CB	B73	991	1.13333	No Message
CB	B73	991	1.6	No Message
CB	B73	991	2.06667	No Message
CB	B73	991	2.53333	No Message
CB	B73	991	3	No Message
CB	B73	991	3.46667	No Message
CB	B73	991	3.93333	No Message
CB	B73	991	4.4	No Message
CB	B73	991	4.86667	No Message
CB	B73	991	5.33333	No Message
CB	B73	991	5.8	No Message
CB	B74	866	0.2	No Message
CB	B74	866	0.66667	No Message
CB	B74	866	1.13333	No Message
CB	B74	866	1.6	No Message
CB	B74	866	2.06667	No Message
CB	B74	866	2.53333	No Message
CB	B74	866	3	No Message
CB	B74	866	3.46667	No Message
CB	B74	866	3.93333	No Message
CB	B74	866	4.4	No Message
CB	B74	866	4.86667	No Message
CB	B74	866	5.33333	No Message
CB	B74	866	5.8	No Message
CB	B75	877	0.25	No Message
CB	B75	877	0.69375	No Message
CB	B75	877	1.1375	No Message
CB	B75	877	1.58125	No Message
CB	B75	877	2.025	No Message
CB	B75	877	2.46875	No Message
CB	B75	877	2.9125	No Message
CB	B75	877	3.35625	No Message
CB	B75	877	3.8	No Message
CB	B76	1003	0.25	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 4 of 4

Story	Label	UniqueName	Station	ErrMsg
Unitless	Unitless	Unitless	m	Unitless
CB	B76	1003	0.5	No Message
CB	B76	1003	0.5	No Message
CB	B76	1003	1	No Message
CB	B76	1003	1	No Message
CB	B76	1003	1.5	No Message
CB	B76	1003	1.5	No Message
CB	B76	1003	2	No Message
CB	B76	1003	2	No Message
CB	B76	1003	2.5	No Message
CB	B76	1003	2.5	No Message
CB	B76	1003	3	No Message
CB	B76	1003	3	No Message
CB	B76	1003	3.5	No Message
CB	B76	1003	3.5	No Message
CB	B76	1003	3.8	No Message
CB	B82	1043	0.25	No Message
CB	B82	1043	0.5	No Message
CB	B82	1043	0.5	No Message
CB	B82	1043	1	No Message
CB	B82	1043	1	No Message
CB	B82	1043	1.5	No Message
CB	B82	1043	1.5	No Message
CB	B82	1043	2	No Message
CB	B82	1043	2	No Message
CB	B82	1043	2.5	No Message
CB	B82	1043	2.5	No Message
CB	B82	1043	2.54	No Message
CB	B82	1043	2.54	No Message
CB	B82	1043	3	No Message
CB	B82	1043	3	No Message
CB	B82	1043	3.5	No Message
CB	B82	1043	3.5	No Message
CB	B82	1043	4	No Message
CB	B82	1043	4	No Message
CB	B82	1043	4.5	No Message
CB	B82	1043	4.5	No Message
CB	B82	1043	5	No Message
CB	B82	1043	5	No Message
CB	B82	1043	5.5	No Message
CB	B82	1043	5.5	No Message
CB	B82	1043	5.75	No Message
CB	B83	1044	0.25	No Message
CB	B83	1044	0.5	No Message
CB	B83	1044	0.5	No Message
CB	B83	1044	1	No Message
CB	B83	1044	1	No Message
CB	B83	1044	1.5	No Message
CB	B83	1044	1.5	No Message
CB	B83	1044	2	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 4 of 4

Story	Label	UniqueName	Station	ErrMsg
Unitless	Unitless	Unitless	m	Unitless
CB	B83	1044	2	No Message
CB	B83	1044	2.5	No Message
CB	B83	1044	2.5	No Message
CB	B83	1044	3	No Message
CB	B83	1044	3	No Message
CB	B83	1044	3.5	No Message
CB	B83	1044	3.5	No Message
CB	B83	1044	4	No Message
CB	B83	1044	4	No Message
CB	B83	1044	4.5	No Message
CB	B83	1044	4.5	No Message
CB	B83	1044	5	No Message
CB	B83	1044	5	No Message
CB	B83	1044	5.5	No Message
CB	B83	1044	5.5	No Message
CB	B83	1044	5.75	No Message
CB	B90	1048	0.25	No Message
CB	B90	1048	0.5	No Message
CB	B90	1048	0.5	No Message
CB	B90	1048	1	No Message
CB	B90	1048	1	No Message
CB	B90	1048	1.5	No Message
CB	B90	1048	1.5	No Message
CB	B90	1048	2	No Message
CB	B90	1048	2	No Message
CB	B90	1048	2.5	No Message
CB	B90	1048	2.5	No Message
CB	B90	1048	3	No Message
CB	B90	1048	3	No Message
CB	B90	1048	3.5	No Message
CB	B90	1048	3.5	No Message
CB	B90	1048	4	No Message
CB	B90	1048	4	No Message
CB	B90	1048	4.5	No Message
CB	B90	1048	4.5	No Message
CB	B90	1048	5	No Message
CB	B90	1048	5	No Message
CB	B90	1048	5.5	No Message
CB	B90	1048	5.5	No Message
CB	B90	1048	5.75	No Message
CB	B91	1049	0.25	No Message
CB	B91	1049	0.5	No Message
CB	B91	1049	0.5	No Message
CB	B91	1049	1	No Message
CB	B91	1049	1	No Message
CB	B91	1049	1.5	No Message
CB	B91	1049	1.5	No Message
CB	B91	1049	2	No Message
CB	B91	1049	2	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 4 of 4

Story	Label	UniqueName	Station	ErrMsg
Unitless	Unitless	Unitless	m	Unitless
CB	B91	1049	2.5	No Message
CB	B91	1049	2.5	No Message
CB	B91	1049	3	No Message
CB	B91	1049	3	No Message
CB	B91	1049	3.5	No Message
CB	B91	1049	3.5	No Message
CB	B91	1049	4	No Message
CB	B91	1049	4	No Message
CB	B91	1049	4.5	No Message
CB	B91	1049	4.5	No Message
CB	B91	1049	5	No Message
CB	B91	1049	5	No Message
CB	B91	1049	5.5	No Message
CB	B91	1049	5.5	No Message
CB	B91	1049	5.75	No Message
CB	B109	403	0.3	No Message
CB	B109	403	0.79091	No Message
CB	B109	403	1.28182	No Message
CB	B109	403	1.77273	No Message
CB	B109	403	2.26364	No Message
CB	B109	403	2.75455	No Message
CB	B109	403	3.24545	No Message
CB	B109	403	3.73636	No Message
CB	B109	403	4.22727	No Message
CB	B109	403	4.71818	No Message
CB	B109	403	5.20909	No Message
CB	B109	403	5.7	No Message
CB	B112	416	0.3	No Message
CB	B112	416	0.79091	No Message
CB	B112	416	1.28182	No Message
CB	B112	416	1.77273	No Message
CB	B112	416	2.26364	No Message
CB	B112	416	2.75455	No Message
CB	B112	416	3.24545	No Message
CB	B112	416	3.73636	No Message
CB	B112	416	4.22727	No Message
CB	B112	416	4.71818	No Message
CB	B112	416	5.20909	No Message
CB	B112	416	5.7	No Message
CB	B115	420	0.3	No Message
CB	B115	420	0.79091	No Message
CB	B115	420	1.28182	No Message
CB	B115	420	1.77273	No Message
CB	B115	420	2.26364	No Message
CB	B115	420	2.75455	No Message
CB	B115	420	3.24545	No Message
CB	B115	420	3.73636	No Message
CB	B115	420	4.22727	No Message
CB	B115	420	4.71818	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 4 of 4

Story	Label	UniqueName	Station	ErrMsg
Unitless	Unitless	Unitless	m	Unitless
CB	B115	420	5.20909	No Message
CB	B115	420	5.7	No Message
CB	B56	424	0	No Message
CB	B56	424	0.5	No Message
CB	B56	424	0.5	No Message
CB	B56	424	1	No Message
CB	B56	424	1	No Message
CB	B56	424	1.5	No Message
CB	B56	424	1.5	No Message
CB	B56	424	2	No Message
CB	B56	424	2	No Message
CB	B56	424	2.5	No Message
CB	B56	424	2.5	No Message
CB	B56	424	3	No Message
CB	B56	424	3	No Message
CB	B56	424	3.5	No Message
CB	B56	424	3.5	No Message
CB	B56	424	4	No Message
CB	B56	424	4	No Message
CB	B56	424	4.5	No Message
CB	B56	424	4.5	No Message
CB	B56	424	5	No Message
CB	B56	424	5	No Message
CB	B56	424	5.5	No Message
CB	B56	424	5.5	No Message
CB	B56	424	6	No Message
CB	B57	428	0	No Message
CB	B57	428	0.5	No Message
CB	B57	428	0.5	No Message
CB	B57	428	1	No Message
CB	B57	428	1	No Message
CB	B57	428	1.5	No Message
CB	B57	428	1.5	No Message
CB	B57	428	2	No Message
CB	B57	428	2	No Message
CB	B57	428	2.5	No Message
CB	B57	428	2.5	No Message
CB	B57	428	3	No Message
CB	B57	428	3	No Message
CB	B57	428	3.5	No Message
CB	B57	428	3.5	No Message
CB	B57	428	4	No Message
CB	B57	428	4	No Message
CB	B57	428	4.5	No Message
CB	B57	428	4.5	No Message
CB	B57	428	5	No Message
CB	B57	428	5	No Message
CB	B57	428	5.5	No Message
CB	B57	428	5.5	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 4 of 4

Story	Label	UniqueName	Station	ErrMsg
Unitless	Unitless	Unitless	m	Unitless
CB	B57	428	6	No Message
CB	B58	432	0	No Message
CB	B58	432	0.5	No Message
CB	B58	432	0.5	No Message
CB	B58	432	1	No Message
CB	B58	432	1	No Message
CB	B58	432	1.5	No Message
CB	B58	432	1.5	No Message
CB	B58	432	2	No Message
CB	B58	432	2	No Message
CB	B58	432	2.5	No Message
CB	B58	432	2.5	No Message
CB	B58	432	3	No Message
CB	B58	432	3	No Message
CB	B58	432	3.5	No Message
CB	B58	432	3.5	No Message
CB	B58	432	4	No Message
CB	B58	432	4	No Message
CB	B58	432	4.5	No Message
CB	B58	432	4.5	No Message
CB	B58	432	5	No Message
CB	B58	432	5	No Message
CB	B58	432	5.5	No Message
CB	B58	432	5.5	No Message
CB	B58	432	6	No Message
CB	B103	436	0	No Message
CB	B103	436	0.5	No Message
CB	B103	436	0.5	No Message
CB	B103	436	1	No Message
CB	B103	436	1	No Message
CB	B103	436	1.5	No Message
CB	B103	436	1.5	No Message
CB	B103	436	2	No Message
CB	B103	436	2	No Message
CB	B103	436	2.5	No Message
CB	B103	436	2.5	No Message
CB	B103	436	3	No Message
CB	B103	436	3	No Message
CB	B103	436	3.5	No Message
CB	B103	436	3.5	No Message
CB	B103	436	4	No Message
CB	B103	436	4	No Message
CB	B103	436	4.5	No Message
CB	B103	436	4.5	No Message
CB	B103	436	5	No Message
CB	B103	436	5	No Message
CB	B103	436	5.5	No Message
CB	B103	436	5.5	No Message
CB	B103	436	6	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 4 of 4

Story	Label	UniqueName	Station	ErrMsg
Unitless	Unitless	Unitless	m	Unitless
CB	B107	489	0	No Message
CB	B107	489	0.5	No Message
CB	B107	489	0.5	No Message
CB	B107	489	1	No Message
CB	B107	489	1	No Message
CB	B107	489	1.5	No Message
CB	B107	489	1.5	No Message
CB	B107	489	2	No Message
CB	B107	489	2	No Message
CB	B107	489	2.5	No Message
CB	B107	489	2.5	No Message
CB	B107	489	3	No Message
CB	B107	489	3	No Message
CB	B107	489	3.5	No Message
CB	B107	489	3.5	No Message
CB	B107	489	4	No Message
CB	B107	489	4	No Message
CB	B107	489	4.5	No Message
CB	B107	489	4.5	No Message
CB	B107	489	5	No Message
CB	B107	489	5	No Message
CB	B107	489	5.5	No Message
CB	B107	489	5.5	No Message
CB	B107	489	6	No Message
CB	B108	505	0	No Message
CB	B108	505	0.5	No Message
CB	B108	505	0.5	No Message
CB	B108	505	1	No Message
CB	B108	505	1	No Message
CB	B108	505	1.5	No Message
CB	B108	505	1.5	No Message
CB	B108	505	2	No Message
CB	B108	505	2	No Message
CB	B108	505	2.5	No Message
CB	B108	505	2.5	No Message
CB	B108	505	3	No Message
CB	B108	505	3	No Message
CB	B108	505	3.5	No Message
CB	B108	505	3.5	No Message
CB	B108	505	4	No Message
CB	B108	505	4	No Message
CB	B108	505	4.5	No Message
CB	B108	505	4.5	No Message
CB	B108	505	5	No Message
CB	B108	505	5	No Message
CB	B108	505	5.5	No Message
CB	B108	505	5.5	No Message
CB	B108	505	6	No Message
CB	B110	638	0	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 4 of 4

Story	Label	UniqueName	Station	ErrMsg
Unitless	Unitless	Unitless	m	Unitless
CB	B110	638	0.5	No Message
CB	B110	638	0.5	No Message
CB	B110	638	1	No Message
CB	B110	638	1	No Message
CB	B110	638	1.5	No Message
CB	B110	638	1.5	No Message
CB	B110	638	2	No Message
CB	B110	638	2	No Message
CB	B110	638	2.5	No Message
CB	B110	638	2.5	No Message
CB	B110	638	3	No Message
CB	B110	638	3	No Message
CB	B110	638	3.5	No Message
CB	B110	638	3.5	No Message
CB	B110	638	4	No Message
CB	B110	638	4	No Message
CB	B110	638	4.5	No Message
CB	B110	638	4.5	No Message
CB	B110	638	5	No Message
CB	B110	638	5	No Message
CB	B110	638	5.5	No Message
CB	B110	638	5.5	No Message
CB	B110	638	6	No Message
CB	B111	650	0	No Message
CB	B111	650	0.5	No Message
CB	B111	650	0.5	No Message
CB	B111	650	1	No Message
CB	B111	650	1	No Message
CB	B111	650	1.5	No Message
CB	B111	650	1.5	No Message
CB	B111	650	2	No Message
CB	B111	650	2	No Message
CB	B111	650	2.5	No Message
CB	B111	650	2.5	No Message
CB	B111	650	3	No Message
CB	B111	650	3	No Message
CB	B111	650	3.5	No Message
CB	B111	650	3.5	No Message
CB	B111	650	4	No Message
CB	B111	650	4	No Message
CB	B111	650	4.5	No Message
CB	B111	650	4.5	No Message
CB	B111	650	5	No Message
CB	B111	650	5	No Message
CB	B111	650	5.5	No Message
CB	B111	650	5.5	No Message
CB	B111	650	6	No Message
CB	B136	875	0.3	No Message
CB	B136	875	0.5	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 4 of 4

Story	Label	UniqueName	Station	ErrMsg
Unitless	Unitless	Unitless	m	Unitless
CB	B136	875	0.5	No Message
CB	B136	875	1	No Message
CB	B136	875	1	No Message
CB	B136	875	1.5	No Message
CB	B136	875	1.5	No Message
CB	B136	875	2	No Message
CB	B136	875	2	No Message
CB	B136	875	2.5	No Message
CB	B136	875	2.5	No Message
CB	B136	875	3	No Message
CB	B136	875	3	No Message
CB	B136	875	3.5	No Message
CB	B136	875	3.5	No Message
CB	B136	875	4	No Message
CB	B136	875	4	No Message
CB	B136	875	4.5	No Message
CB	B136	875	4.5	No Message
CB	B136	875	5	No Message
CB	B136	875	5	No Message
CB	B136	875	5.5	No Message
CB	B136	875	5.5	No Message
CB	B136	875	5.7	No Message
CB	B139	915	0.3	No Message
CB	B139	915	0.47143	No Message
CB	B139	915	0.47143	No Message
CB	B139	915	0.94286	No Message
CB	B139	915	0.94286	No Message
CB	B139	915	1.41429	No Message
CB	B139	915	1.41429	No Message
CB	B139	915	1.88571	No Message
CB	B139	915	1.88571	No Message
CB	B139	915	2.35714	No Message
CB	B139	915	2.35714	No Message
CB	B139	915	2.82857	No Message
CB	B139	915	2.82857	No Message
CB	B139	915	3.3	No Message
CB	B139	915	3.3	No Message
CB	B139	915	3.78	No Message
CB	B139	915	4.26	No Message
CB	B139	915	4.74	No Message
CB	B139	915	5.22	No Message
CB	B139	915	5.7	No Message
CB	B142	477	0	No Message
CB	B142	477	0.47143	No Message
CB	B142	477	0.47143	No Message
CB	B142	477	0.5	No Message
CB	B142	477	0.5	No Message
CB	B142	477	0.94286	No Message
CB	B142	477	0.94286	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 4 of 4

Story	Label	UniqueName	Station	ErrMsg
Unitless	Unitless	Unitless	m	Unitless
CB	B142	477	1	No Message
CB	B142	477	1	No Message
CB	B142	477	1.41429	No Message
CB	B142	477	1.41429	No Message
CB	B142	477	1.5	No Message
CB	B142	477	1.5	No Message
CB	B142	477	1.88571	No Message
CB	B142	477	1.88571	No Message
CB	B142	477	2	No Message
CB	B142	477	2	No Message
CB	B142	477	2.35714	No Message
CB	B142	477	2.35714	No Message
CB	B142	477	2.5	No Message
CB	B142	477	2.5	No Message
CB	B142	477	2.82857	No Message
CB	B142	477	2.82857	No Message
CB	B142	477	3	No Message
CB	B142	477	3	No Message
CB	B142	477	3.3	No Message
CB	B142	477	3.3	No Message
CB	B142	477	3.5	No Message
CB	B142	477	3.5	No Message
CB	B142	477	4	No Message
CB	B142	477	4	No Message
CB	B142	477	4.5	No Message
CB	B142	477	4.5	No Message
CB	B142	477	5	No Message
CB	B142	477	5	No Message
CB	B142	477	5.5	No Message
CB	B142	477	5.5	No Message
CB	B142	477	6	No Message
CB	B185	855	0	No Message
CB	B185	855	0.5	No Message
CB	B185	855	1	No Message
CB	B185	855	1.5	No Message
CB	B185	855	2	No Message
CB	B185	855	2.5	No Message
CB	B185	855	3	No Message
CB	B185	855	3.5	No Message
CB	B185	855	4	No Message
CB	B188	862	0.2	No Message
CB	B188	862	0.47	No Message
CB	B188	862	0.74	No Message
CB	B189	874	0.2	No Message
CB	B189	874	0.47	No Message
CB	B189	874	0.74	No Message
CB	B814	642	0.2	No Message
CB	B814	642	0.47143	No Message
CB	B814	642	0.47143	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 4 of 4

Story	Label	UniqueName	Station	ErrMsg
Unitless	Unitless	Unitless	m	Unitless
CB	B814	642	0.94286	No Message
CB	B814	642	0.94286	No Message
CB	B814	642	1.41429	No Message
CB	B814	642	1.41429	No Message
CB	B814	642	1.88571	No Message
CB	B814	642	1.88571	No Message
CB	B814	642	2.35714	No Message
CB	B814	642	2.35714	No Message
CB	B814	642	2.82857	No Message
CB	B814	642	2.82857	No Message
CB	B814	642	3.3	No Message
CB	B814	642	3.3	No Message
CB	B814	642	3.79	No Message
CB	B814	642	4.28	No Message
CB	B814	642	4.77	No Message
CB	B814	642	5.26	No Message
CB	B814	642	5.75	No Message
CB	B130	490	0.3	No Message
CB	B130	490	0.44667	No Message
CB	B130	490	0.44667	No Message
CB	B130	490	0.89333	No Message
CB	B130	490	0.89333	No Message
CB	B130	490	1.34	No Message
CB	B130	490	1.34	No Message
CB	B130	490	1.78667	No Message
CB	B130	490	1.78667	No Message
CB	B130	490	2.23333	No Message
CB	B130	490	2.23333	No Message
CB	B130	490	2.68	No Message
CB	B130	490	2.68	No Message
CB	B130	490	3.12667	No Message
CB	B130	490	3.12667	No Message
CB	B130	490	3.57333	No Message
CB	B130	490	3.57333	No Message
CB	B130	490	3.77	No Message
CB	B131	486	0.3	No Message
CB	B131	486	0.79571	No Message
CB	B131	486	1.29143	No Message
CB	B131	486	1.78714	No Message
CB	B131	486	2.28286	No Message
CB	B131	486	2.77857	No Message
CB	B131	486	3.27429	No Message
CB	B131	486	3.77	No Message
CB	B478	433	0.25	No Message
CB	B478	433	0.42167	No Message
CB	B478	433	0.42167	No Message
CB	B478	433	0.84333	No Message
CB	B478	433	0.84333	No Message
CB	B478	433	1.265	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 4 of 4

Story	Label	UniqueName	Station	ErrMsg
Unitless	Unitless	Unitless	m	Unitless
CB	B478	433	1.265	No Message
CB	B478	433	1.68667	No Message
CB	B478	433	1.68667	No Message
CB	B478	433	2.10833	No Message
CB	B478	433	2.10833	No Message
CB	B478	433	2.53	No Message
CB	B478	433	2.53	No Message
CB	B478	433	2.99833	No Message
CB	B478	433	3.46667	No Message
CB	B478	433	3.935	No Message
CB	B478	433	4.40333	No Message
CB	B478	433	4.87167	No Message
CB	B478	433	5.34	No Message
CB	B478	433	5.80833	No Message
CB	B478	433	6.27667	No Message
CB	B478	433	6.745	No Message
CB	B478	433	7.21333	No Message
CB	B478	433	7.68167	No Message
CB	B478	433	8.15	No Message
CB	B479	682	0	No Message
CB	B479	682	0.44667	No Message
CB	B479	682	0.44667	No Message
CB	B479	682	0.89333	No Message
CB	B479	682	0.89333	No Message
CB	B479	682	1.34	No Message
CB	B479	682	1.34	No Message
CB	B479	682	1.78667	No Message
CB	B479	682	1.78667	No Message
CB	B479	682	2.23333	No Message
CB	B479	682	2.23333	No Message
CB	B479	682	2.68	No Message
CB	B479	682	2.68	No Message
CB	B479	682	3.12667	No Message
CB	B479	682	3.12667	No Message
CB	B479	682	3.57333	No Message
CB	B479	682	3.57333	No Message
CB	B479	682	4.02	No Message
CB	B4	1007	0.2	No Message
CB	B4	1007	0.49625	No Message
CB	B4	1007	0.49625	No Message
CB	B4	1007	0.9925	No Message
CB	B4	1007	0.9925	No Message
CB	B4	1007	1.48875	No Message
CB	B4	1007	1.48875	No Message
CB	B4	1007	1.985	No Message
CB	B4	1007	1.985	No Message
CB	B4	1007	2.48125	No Message
CB	B4	1007	2.48125	No Message
CB	B4	1007	2.9775	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 4 of 4

Story	Label	UniqueName	Station	ErrMsg
Unitless	Unitless	Unitless	m	Unitless
CB	B4	1007	2.9775	No Message
CB	B4	1007	3.47375	No Message
CB	B4	1007	3.47375	No Message
CB	B4	1007	3.77	No Message
CB	B18	716	0.3	No Message
CB	B18	716	0.45625	No Message
CB	B18	716	0.45625	No Message
CB	B18	716	0.9125	No Message
CB	B18	716	0.9125	No Message
CB	B18	716	1.36875	No Message
CB	B18	716	1.36875	No Message
CB	B18	716	1.825	No Message
CB	B18	716	1.825	No Message
CB	B18	716	2.28125	No Message
CB	B18	716	2.28125	No Message
CB	B18	716	2.7375	No Message
CB	B18	716	2.7375	No Message
CB	B18	716	3.19375	No Message
CB	B18	716	3.19375	No Message
CB	B18	716	3.4	No Message
CB	B77	718	0.25	No Message
CB	B77	718	0.475	No Message
CB	B77	718	0.475	No Message
CB	B77	718	0.95	No Message
CB	B77	718	0.95	No Message
CB	B77	718	1.425	No Message
CB	B77	718	1.425	No Message
CB	B77	718	1.9	No Message
CB	B77	718	1.9	No Message
CB	B77	718	2.375	No Message
CB	B77	718	2.375	No Message
CB	B77	718	2.85	No Message
CB	B77	718	2.85	No Message
CB	B77	718	3.325	No Message
CB	B77	718	3.325	No Message
CB	B77	718	3.8	No Message
CB	B77	718	3.8	No Message
CB	B77	718	4.275	No Message
CB	B77	718	4.275	No Message
CB	B77	718	4.5	No Message
CB	B80	115	0.25	No Message
CB	B80	115	0.47143	No Message
CB	B80	115	0.47143	No Message
CB	B80	115	0.94286	No Message
CB	B80	115	0.94286	No Message
CB	B80	115	1.41429	No Message
CB	B80	115	1.41429	No Message
CB	B80	115	1.88571	No Message
CB	B80	115	1.88571	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 4 of 4

Story	Label	UniqueName	Station	ErrMsg
Unitless	Unitless	Unitless	m	Unitless
CB	B80	115	2.35714	No Message
CB	B80	115	2.35714	No Message
CB	B80	115	2.82857	No Message
CB	B80	115	2.82857	No Message
CB	B80	115	3.3	No Message
CB	B80	115	3.3	No Message
CB	B80	115	3.79	No Message
CB	B80	115	4.28	No Message
CB	B80	115	4.77	No Message
CB	B80	115	5.26	No Message
CB	B80	115	5.75	No Message
CB	B143	1011	0.2	No Message
CB	B143	1011	0.47143	No Message
CB	B143	1011	0.47143	No Message
CB	B143	1011	0.94286	No Message
CB	B143	1011	0.94286	No Message
CB	B143	1011	1.41429	No Message
CB	B143	1011	1.41429	No Message
CB	B143	1011	1.88571	No Message
CB	B143	1011	1.88571	No Message
CB	B143	1011	2.35714	No Message
CB	B143	1011	2.35714	No Message
CB	B143	1011	2.82857	No Message
CB	B143	1011	2.82857	No Message
CB	B143	1011	3.1	No Message
CB	B153	1015	0	No Message
CB	B153	1015	0.5	No Message
CB	B153	1015	0.5	No Message
CB	B153	1015	1	No Message
CB	B153	1015	1	No Message
CB	B153	1015	1.5	No Message
CB	B153	1015	1.5	No Message
CB	B153	1015	2	No Message
CB	B153	1015	2	No Message
CB	B153	1015	2.5	No Message
CB	B153	1015	2.5	No Message
CB	B153	1015	3	No Message
CB	B153	1015	3	No Message
CB	B153	1015	3.5	No Message
CB	B153	1015	3.5	No Message
CB	B153	1015	3.8	No Message
CB	B175	1019	0.2	No Message
CB	B175	1019	0.49625	No Message
CB	B175	1019	0.49625	No Message
CB	B175	1019	0.9925	No Message
CB	B175	1019	0.9925	No Message
CB	B175	1019	1.48875	No Message
CB	B175	1019	1.48875	No Message
CB	B175	1019	1.985	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 4 of 4

Story	Label	UniqueName	Station	ErrMsg
Unitless	Unitless	Unitless	m	Unitless
CB	B175	1019	1.985	No Message
CB	B175	1019	2.48125	No Message
CB	B175	1019	2.48125	No Message
CB	B175	1019	2.9775	No Message
CB	B175	1019	2.9775	No Message
CB	B175	1019	3.47375	No Message
CB	B175	1019	3.47375	No Message
CB	B175	1019	3.77	No Message
CB	B204	713	0	No Message
CB	B204	713	0.475	No Message
CB	B204	713	0.475	No Message
CB	B204	713	0.95	No Message
CB	B204	713	0.95	No Message
CB	B204	713	1.425	No Message
CB	B204	713	1.425	No Message
CB	B204	713	1.9	No Message
CB	B204	713	1.9	No Message
CB	B204	713	2.375	No Message
CB	B204	713	2.375	No Message
CB	B204	713	2.85	No Message
CB	B204	713	2.85	No Message
CB	B204	713	3.325	No Message
CB	B204	713	3.325	No Message
CB	B204	713	3.8	No Message
CB	B204	713	3.8	No Message
CB	B204	713	4.275	No Message
CB	B204	713	4.275	No Message
CB	B204	713	4.75	No Message
CB	B231	678	0	No Message
CB	B231	678	0.48917	No Message
CB	B231	678	0.48917	No Message
CB	B231	678	0.97833	No Message
CB	B231	678	0.97833	No Message
CB	B231	678	1.4675	No Message
CB	B231	678	1.4675	No Message
CB	B231	678	1.95667	No Message
CB	B231	678	1.95667	No Message
CB	B231	678	2.44583	No Message
CB	B231	678	2.44583	No Message
CB	B231	678	2.935	No Message
CB	B231	678	2.935	No Message
CB	B231	678	3.42417	No Message
CB	B231	678	3.42417	No Message
CB	B231	678	3.91333	No Message
CB	B231	678	3.91333	No Message
CB	B231	678	4.4025	No Message
CB	B231	678	4.4025	No Message
CB	B231	678	4.89167	No Message
CB	B231	678	4.89167	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 4 of 4

Story	Label	UniqueName	Station	ErrMsg
Unitless	Unitless	Unitless	m	Unitless
CB	B231	678	5.38083	No Message
CB	B231	678	5.38083	No Message
CB	B231	678	5.87	No Message
CB	B3	79	0.3	No Message
CB	B3	79	0.74286	No Message
CB	B3	79	1.18571	No Message
CB	B3	79	1.62857	No Message
CB	B3	79	2.07143	No Message
CB	B3	79	2.51429	No Message
CB	B3	79	2.95714	No Message
CB	B3	79	3.4	No Message
CB	B9	81	0.25	No Message
CB	B9	81	0.72222	No Message
CB	B9	81	1.19444	No Message
CB	B9	81	1.66667	No Message
CB	B9	81	2.13889	No Message
CB	B9	81	2.61111	No Message
CB	B9	81	3.08333	No Message
CB	B9	81	3.55556	No Message
CB	B9	81	4.02778	No Message
CB	B9	81	4.5	No Message
CB	B170	711	0	No Message
CB	B170	711	0.45625	No Message
CB	B170	711	0.45625	No Message
CB	B170	711	0.9125	No Message
CB	B170	711	0.9125	No Message
CB	B170	711	1.36875	No Message
CB	B170	711	1.36875	No Message
CB	B170	711	1.825	No Message
CB	B170	711	1.825	No Message
CB	B170	711	2.28125	No Message
CB	B170	711	2.28125	No Message
CB	B170	711	2.7375	No Message
CB	B170	711	2.7375	No Message
CB	B170	711	3.19375	No Message
CB	B170	711	3.19375	No Message
CB	B170	711	3.65	No Message
CB	B574	939	0.25	No Message
CB	B574	939	0.47143	No Message
CB	B574	939	0.47143	No Message
CB	B574	939	0.94286	No Message
CB	B574	939	0.94286	No Message
CB	B574	939	1.41429	No Message
CB	B574	939	1.41429	No Message
CB	B574	939	1.88571	No Message
CB	B574	939	1.88571	No Message
CB	B574	939	2.35714	No Message
CB	B574	939	2.35714	No Message
CB	B574	939	2.82857	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 4 of 4

Story	Label	UniqueName	Station	ErrMsg
Unitless	Unitless	Unitless	m	Unitless
CB	B574	939	2.82857	No Message
CB	B574	939	3.3	No Message
CB	B574	939	3.3	No Message
CB	B574	939	3.79	No Message
CB	B574	939	4.28	No Message
CB	B574	939	4.77	No Message
CB	B574	939	5.26	No Message
CB	B574	939	5.75	No Message

DISEÑO DE VIGAS DE CONCRETO REFORZADO _ NSR-10

Datos de Diseño:

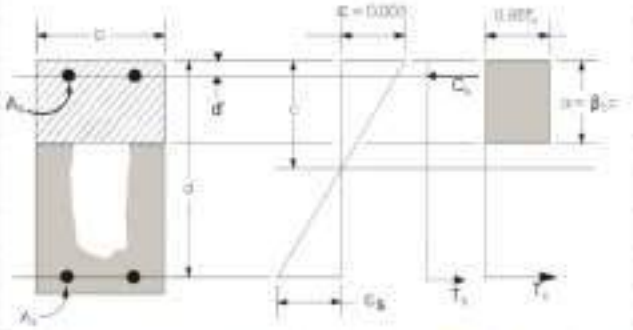
Base: $b := 60\ cm$

Altura: $h := 65\ cm$

$f'_c := 280\ \frac{kgf}{cm^2}$ $f_y := 4200\ \frac{kgf}{cm^2}$

Recubrimiento $rec := 5\ cm$

(al centroide de las barras Longitudinales)



$E_s := 2030000\ \frac{kgf}{cm^2}$

Momento $M_u := 55.7\ tonnef \cdot m$

DISEÑO POR FLEXION

1. CALCULO DEL AREA DE ACERO

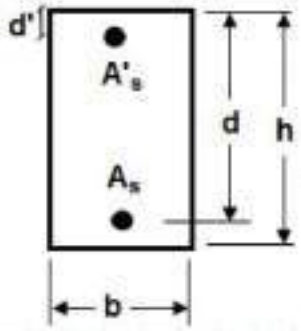
Acero Requerido $As_{requerido} = 26.248\ cm^2$

Acero Normativo $As_{normativo} = 26.25\ cm^2$

Limites de Acero S.A. $As_{min} = 12\ cm^2$ $As_{max} = 64.47\ cm^2$

$\phi = 0.9$

$As_{max.doble.A} = 64.469\ cm^2$



$A'_s = 0\ cm^2$

$tipo.de.diseño = \text{"Simple Armado"}$

$A_s = 26.248\ cm^2$

2. CAPACIDAD DE LA SECCION POR FLEXION

$n_{top} := 7$ $ID_{top} := 5$

$n_{bottom} := 7$ $ID_{bottom} := 5$

ntop: Numero de barras Arriba

nbottom: Numero de barras abajo

ID: Escoger una barra de la tabla

Tabla de aceros

ID	d_{barra} (mm)	area (cm^2)
1	9.5	0.71
2	12.7	1.29
3	15.9	1.99
4	19.1	2.84
5	22.2	3.87
6	25.4	5.1

Momento Resistente

$\phi M_n = 57.499$ **tonnef·m**

Momento Solicitante

$M_u = 55.7$ **tonnef·m**

$ratio = 0.969$

$\rho_{cuantia} = 0.00753$

$verificacion_1$ = "Cumple el espaciamiento minimo"

$verificacion_2$ = "LA SECCION FUE DISEÑADA CORRECTAMENTE, OK"

DISEÑO POR CORTE

Datos de Diseño:

$V_u := 47.7$ **tonnef** Cortante Solicitante

$\phi_c := 0.75$ Para corte

ID: Escoger una barra de la tabla

$ID := 2$

$n_R := 4$ Numero de ramas

$s := 10$ **cm** separación de estribos

$N_u := 0$ **tonnef** Carga Axial en la Viga, Compresión (+)

Tabla de aceros

ID	d_{barra} (mm)	area (cm^2)
1	9.5	0.71
2	12.7	1.29
3	15.9	1.99
4	19.1	2.84
5	22.2	3.87
6	25.4	5.10

RESULTADOS DE DISEÑO

Capacidad por Corte

$\phi_c V_n = 119.713$ **tonnef**

Cortante Solicitante

$V_u = 47.7$ **tonnef**

$ratio_{corte} = 0.398$

Relación Av/s Requerido

$A_{v\_s} = 0.126 \frac{cm^2}{cm}$

Limites de Refuerzo

$A_{v\_s\_min} = 0.05 \frac{cm^2}{cm}$

Corte del Concreto

$s_{max} = 30$ **cm**

$\phi_c \cdot V_c = 23.945$ **tonnef**

$V_{s\_requerido} = 23.755$ **tonnef**

$verificacion_3$="OK,Dimensiones de la seccion transversal"

$verificacion_4$="OK, la separacion "S", es correcta!"

DISEÑO POR TORSION

Datos de Diseño:

$T_u := 8.63\ tonnef \cdot m$ Torsor ultimo Solicitante

$rec_{estribo} := 50\ mm$ Recubrimiento al estribo

$f_{yt} := 4200\ \frac{kgf}{cm^2}$ Tensión de Fluencia del acero transversal

$\phi_t := 0.75$ Para torsión

$\theta := 45\ °$

$N_u := 0.0\ tonnef$ Carga Axial en la Viga, Compresión (+)

RESULTADOS:

Umbral de Torsión

$T_{th} = 2.699\ tonnef \cdot m$

$\phi_t \cdot T_{th} = 2.025\ tonnef \cdot m$

Torsor Critico

$T_{cr} = 10.798\ tonnef \cdot m$

$\phi_t \cdot T_{cr} = 8.098\ tonnef \cdot m$

Verificación de refuerzo por torsión:

V_{erf_5}="Si se requiere acero por torsion"

Verificación de la Sección:

V_{erf_6}="Si,la Seccion es adecuada"

Refuerzo Minimo

V_{erf_7}="No predomina el refuerzo minimo"

$A_{v\_2At,min} = 0\ cm$

Refuerzo por torsión At/s

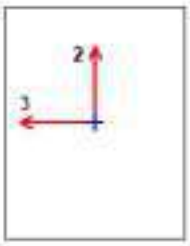
$A_{t\_s} = 0.056\ \frac{cm^2}{cm}$

Refuerzo longitudinal por torsión

$A_l = 12.051\ cm^2$

ETABS Concrete Frame Design

ACI 318-08 Beam Section Design



Beam Element Details (Summary)

Level	Element	Unique Name	Section ID	Combo ID	Station Loc	Length (m)	LLRF	Type
Piso 2	B35	837	V(50x65)	E.2.4-5b	0.25	4	1	Sway Special

Section Properties

b (m)	h (m)	b_f (m)	d_s (m)	d_{st} (m)	d_{cb} (m)
0.5	0.65	0.5	0	0.05	0.05

Material Properties

E_c (tonf/m²)	f'_c (tonf/m²)	Lt.Wt Factor (Unitless)	f_y (tonf/m²)	f_{ys} (tonf/m²)
2526710	2800	1	42000	42000

Design Code Parameters

Φ_T	Φ_{cTied}	$\Phi_{cSpiral}$	Φ_{Vns}	Φ_{Vs}	Φ_{Vjoint}
0.9	0.65	0.75	0.75	0.6	0.85

Design Moment and Flexural Reinforcement for Moment, M_{u3}

	Design -Moment tonf-m	Design +Moment tonf-m	-Moment Rebar m²	+Moment Rebar m²	Minimum Rebar m²	Required Rebar m²
Top (+2 Axis)	-12.7712		0.000656	0	0.000875	0.000875
Bottom (-2 Axis)		6.3856	0.000079	0.000369	0.000492	0.000492

Shear Force and Reinforcement for Shear, V_{u2}

Shear V_{u2} tonf	Shear ΦV_c tonf	Shear ΦV_s tonf	Shear V_p tonf	Rebar A_v /S m²/m
22.0266	0	22.0266	11.4587	0.00117

Torsion Force and Torsion Reinforcement for Torsion, T_u

T_u tonf-m	ΦT_{cr} /4 tonf-m	Area A_o m²	Perimeter, p_h m	Rebar A_t /s m²/m	Rebar A_l m²
9.4578	1.4467	0.1961	1.9444	0.00077	0.001489

Table: Concrete Beam Design Summary - ACI 318-08, Part 1 of 4

Table: Concrete Beam Design Summary - ACI 318-08, Part 1 of 4

Story	Label	UniqueName	DesignSect	Station	Status	AsTopCombo	AsMinTop	AsTop
Unitless	Unitless	Unitless	Unitless	m	Unitless	Unitless	m²	m²
Piso 2	B213	1160	Vta-(12x50)	0	No Message	B.2.4-2	0.000132	0.000132
Piso 2	B213	1160	Vta-(12x50)	0.5	No Message	B.2.4-2	6.8E-05	6.8E-05
Piso 2	B213	1160	Vta-(12x50)	1	No Message	B.2.4-2	6.8E-05	6.8E-05
Piso 2	B213	1160	Vta-(12x50)	1.5	No Message	B.2.4-2	6.8E-05	6.8E-05
Piso 2	B213	1160	Vta-(12x50)	2	No Message	B.2.4-2	6.8E-05	6.8E-05
Piso 2	B213	1160	Vta-(12x50)	2.5	No Message	B.2.4-2	6.8E-05	6.8E-05
Piso 2	B213	1160	Vta-(12x50)	3	No Message	B.2.4-2	6.8E-05	6.8E-05
Piso 2	B213	1160	Vta-(12x50)	3.5	No Message	B.2.4-2	6.8E-05	6.8E-05
Piso 2	B213	1160	Vta-(12x50)	4	No Message	B.2.4-2	6.8E-05	6.8E-05
Piso 2	B213	1160	Vta-(12x50)	4.5	No Message	B.2.4-2	6.8E-05	6.8E-05
Piso 2	B213	1160	Vta-(12x50)	5	No Message	B.2.4-2	7.1E-05	7.1E-05
Piso 2	B213	1160	Vta-(12x50)	5.5	No Message	B.2.4-2	0.000162	0.000162
Piso 2	B213	1160	Vta-(12x50)	6	No Message	B.2.4-2	0.000185	0.000206
Piso 2	B218	1165	Vta-(12x50)	0	No Message	B.2.4-2	0.000167	0.000167
Piso 2	B218	1165	Vta-(12x50)	0.5	No Message	B.2.4-2	6.6E-05	6.6E-05
Piso 2	B218	1165	Vta-(12x50)	1	No Message	B.2.4-2	5.5E-05	5.5E-05
Piso 2	B218	1165	Vta-(12x50)	1.5	No Message	B.2.4-2	5.5E-05	5.5E-05
Piso 2	B218	1165	Vta-(12x50)	2	No Message	B.2.4-2	5.5E-05	5.5E-05
Piso 2	B218	1165	Vta-(12x50)	2.5	No Message	B.2.4-2	5.5E-05	5.5E-05
Piso 2	B218	1165	Vta-(12x50)	3	No Message	B.2.4-2	5.5E-05	5.5E-05
Piso 2	B218	1165	Vta-(12x50)	3.5	No Message	B.2.4-2	5.5E-05	5.5E-05
Piso 2	B218	1165	Vta-(12x50)	4	No Message	B.2.4-2	5.5E-05	5.5E-05
Piso 2	B218	1165	Vta-(12x50)	4.5	No Message	B.2.4-2	5.5E-05	5.5E-05
Piso 2	B218	1165	Vta-(12x50)	5	No Message	B.2.4-2	5.5E-05	5.5E-05
Piso 2	B218	1165	Vta-(12x50)	5.5	No Message	B.2.4-2	0.000113	0.000113
Piso 2	B218	1165	Vta-(12x50)	6	No Message	B.2.4-2	0.000185	0.000185
Piso 2	B223	1170	Vta-(12x50)	0	No Message	B.2.4-2	0.000185	0.000185
Piso 2	B223	1170	Vta-(12x50)	0.5	No Message	B.2.4-2	0.000102	0.000102
Piso 2	B223	1170	Vta-(12x50)	1	No Message	B.2.4-2	5.7E-05	5.7E-05
Piso 2	B223	1170	Vta-(12x50)	1.5	No Message	B.2.4-2	5.7E-05	5.7E-05
Piso 2	B223	1170	Vta-(12x50)	2	No Message	B.2.4-2	5.7E-05	5.7E-05
Piso 2	B223	1170	Vta-(12x50)	2.5	No Message	B.2.4-2	5.7E-05	5.7E-05
Piso 2	B223	1170	Vta-(12x50)	3	No Message	B.2.4-2	5.7E-05	5.7E-05
Piso 2	B223	1170	Vta-(12x50)	3.5	No Message	B.2.4-2	5.7E-05	5.7E-05
Piso 2	B223	1170	Vta-(12x50)	4	No Message	B.2.4-2	5.7E-05	5.7E-05
Piso 2	B223	1170	Vta-(12x50)	4.5	No Message	B.2.4-2	5.7E-05	5.7E-05
Piso 2	B223	1170	Vta-(12x50)	5	No Message	B.2.4-2	5.7E-05	5.7E-05
Piso 2	B223	1170	Vta-(12x50)	5.5	No Message	B.2.4-2	0.000118	0.000118
Piso 2	B223	1170	Vta-(12x50)	6	No Message	B.2.4-2	0.000185	0.000185
Piso 2	B228	1175	Vta-(12x50)	0	No Message	B.2.4-2	0.000185	0.000185
Piso 2	B228	1175	Vta-(12x50)	0.5	No Message	B.2.4-2	0.000116	0.000116
Piso 2	B228	1175	Vta-(12x50)	1	No Message	B.2.4-2	5.5E-05	5.5E-05
Piso 2	B228	1175	Vta-(12x50)	1.5	No Message	B.2.4-2	5.5E-05	5.5E-05
Piso 2	B228	1175	Vta-(12x50)	2	No Message	B.2.4-2	5.5E-05	5.5E-05
Piso 2	B228	1175	Vta-(12x50)	2.5	No Message	B.2.4-2	5.5E-05	5.5E-05
Piso 2	B228	1175	Vta-(12x50)	3	No Message	B.2.4-2	5.5E-05	5.5E-05
Piso 2	B228	1175	Vta-(12x50)	3.5	No Message	B.2.4-2	5.5E-05	5.5E-05
Piso 2	B228	1175	Vta-(12x50)	4	No Message	B.2.4-2	5.5E-05	5.5E-05
Piso 2	B228	1175	Vta-(12x50)	4.5	No Message	B.2.4-2	5.5E-05	5.5E-05
Piso 2	B228	1175	Vta-(12x50)	5	No Message	B.2.4-2	5.5E-05	5.5E-05
Piso 2	B228	1175	Vta-(12x50)	5.5	No Message	B.2.4-2	7.9E-05	7.9E-05
Piso 2	B228	1175	Vta-(12x50)	6	No Message	B.2.4-2	0.000182	0.000182

Table: Concrete Beam Design Summary - ACI 318-08, Part 1 of 4

Story	Label	UniqueName	DesignSect	Station	Status	AsTopCombo	AsMinTop	AsTop
Unitless	Unitless	Unitless	Unitless	m	Unitless	Unitless	m²	m²
Piso 2	B235	1180	Vta-(12x50)	0	No Message	B.2.4-2	0.000185	0.000185
Piso 2	B235	1180	Vta-(12x50)	0.5	No Message	B.2.4-2	0.000121	0.000121
Piso 2	B235	1180	Vta-(12x50)	1	No Message	B.2.4-2	5.7E-05	5.7E-05
Piso 2	B235	1180	Vta-(12x50)	1.5	No Message	B.2.4-2	5.7E-05	5.7E-05
Piso 2	B235	1180	Vta-(12x50)	2	No Message	B.2.4-2	5.7E-05	5.7E-05
Piso 2	B235	1180	Vta-(12x50)	2.5	No Message	B.2.4-2	5.7E-05	5.7E-05
Piso 2	B235	1180	Vta-(12x50)	3	No Message	B.2.4-2	5.7E-05	5.7E-05
Piso 2	B235	1180	Vta-(12x50)	3.5	No Message	B.2.4-2	5.7E-05	5.7E-05
Piso 2	B235	1180	Vta-(12x50)	4	No Message	B.2.4-2	5.7E-05	5.7E-05
Piso 2	B235	1180	Vta-(12x50)	4.5	No Message	B.2.4-2	5.7E-05	5.7E-05
Piso 2	B235	1180	Vta-(12x50)	5	No Message	B.2.4-2	5.7E-05	5.7E-05
Piso 2	B235	1180	Vta-(12x50)	5.5	No Message	B.2.4-2	0.00011	0.00011
Piso 2	B235	1180	Vta-(12x50)	6	No Message	B.2.4-2	0.000185	0.000185
Piso 2	B246	1190	Vta-(12x50)	0	No Message	B.2.4-2	0.000185	0.000185
Piso 2	B246	1190	Vta-(12x50)	0.5	No Message	B.2.4-2	0.000131	0.000131
Piso 2	B246	1190	Vta-(12x50)	1	No Message	B.2.4-2	6E-05	6E-05
Piso 2	B246	1190	Vta-(12x50)	1.5	No Message	B.2.4-2	6E-05	6E-05
Piso 2	B246	1190	Vta-(12x50)	2	No Message	B.2.4-2	6E-05	6E-05
Piso 2	B246	1190	Vta-(12x50)	2.5	No Message	B.2.4-2	6E-05	6E-05
Piso 2	B246	1190	Vta-(12x50)	3	No Message	B.2.4-2	6E-05	6E-05
Piso 2	B246	1190	Vta-(12x50)	3.5	No Message	B.2.4-2	6E-05	6E-05
Piso 2	B246	1190	Vta-(12x50)	4	No Message	B.2.4-2	6E-05	6E-05
Piso 2	B246	1190	Vta-(12x50)	4.5	No Message	B.2.4-2	6E-05	6E-05
Piso 2	B246	1190	Vta-(12x50)	5	No Message	B.2.4-2	6E-05	6E-05
Piso 2	B246	1190	Vta-(12x50)	5.5	No Message	B.2.4-2	0.000137	0.000137
Piso 2	B246	1190	Vta-(12x50)	6	No Message	B.2.4-2	0.000185	0.000185
Piso 2	B253	1195	Vta-(12x50)	0	No Message	B.2.4-2	0.000125	0.000125
Piso 2	B253	1195	Vta-(12x50)	0.5	No Message	B.2.4-2	8.7E-05	8.7E-05
Piso 2	B253	1195	Vta-(12x50)	1	No Message	B.2.4-2	8.7E-05	8.7E-05
Piso 2	B253	1195	Vta-(12x50)	1.5	No Message	B.2.4-2	8.7E-05	8.7E-05
Piso 2	B253	1195	Vta-(12x50)	2	No Message	B.2.4-2	8.7E-05	8.7E-05
Piso 2	B253	1195	Vta-(12x50)	2.5	No Message	B.2.4-2	8.7E-05	8.7E-05
Piso 2	B253	1195	Vta-(12x50)	3	No Message	B.2.4-2	8.7E-05	8.7E-05
Piso 2	B253	1195	Vta-(12x50)	3.5	No Message	B.2.4-2	8.7E-05	8.7E-05
Piso 2	B253	1195	Vta-(12x50)	4	No Message	B.2.4-2	8.7E-05	8.7E-05
Piso 2	B253	1195	Vta-(12x50)	4.5	No Message	B.2.4-2	8.7E-05	8.7E-05
Piso 2	B253	1195	Vta-(12x50)	5	No Message	B.2.4-2	0.000118	0.000118
Piso 2	B253	1195	Vta-(12x50)	5.5	No Message	B.2.4-2	0.000185	0.000185
Piso 2	B253	1195	Vta-(12x50)	6	No Message	B.2.4-2	0.000185	0.000265
Piso 2	B258	1200	Vta-(12x50)	0	No Message	B.2.4-2	0.000185	0.000185
Piso 2	B258	1200	Vta-(12x50)	0.5	No Message	B.2.4-2	0.000121	0.000121
Piso 2	B258	1200	Vta-(12x50)	1	No Message	B.2.4-2	6.4E-05	6.4E-05
Piso 2	B258	1200	Vta-(12x50)	1.5	No Message	B.2.4-2	6.4E-05	6.4E-05
Piso 2	B258	1200	Vta-(12x50)	2	No Message	B.2.4-2	6.4E-05	6.4E-05
Piso 2	B258	1200	Vta-(12x50)	2.5	No Message	B.2.4-2	6.4E-05	6.4E-05
Piso 2	B258	1200	Vta-(12x50)	3	No Message	B.2.4-2	6.4E-05	6.4E-05
Piso 2	B258	1200	Vta-(12x50)	3.5	No Message	B.2.4-2	6.4E-05	6.4E-05
Piso 2	B258	1200	Vta-(12x50)	4	No Message	B.2.4-2	6.4E-05	6.4E-05
Piso 2	B258	1200	Vta-(12x50)	4.5	No Message	B.2.4-2	6.4E-05	6.4E-05
Piso 2	B258	1200	Vta-(12x50)	5	No Message	B.2.4-2	6.4E-05	6.4E-05
Piso 2	B258	1200	Vta-(12x50)	5.5	No Message	B.2.4-2	0.000151	0.000151
Piso 2	B258	1200	Vta-(12x50)	6	No Message	B.2.4-2	0.000185	0.000197
Piso 2	B263	1205	Vta-(12x50)	0	No Message	B.2.4-2	0.000185	0.000294

Table: Concrete Beam Design Summary - ACI 318-08, Part 1 of 4

Story	Label	UniqueName	DesignSect	Station	Status	AsTopCombo	AsMinTop	AsTop
Unitless	Unitless	Unitless	Unitless	m	Unitless	Unitless	m²	m²
Piso 2	B263	1205	Vta-(12x50)	0.5	No Message	B.2.4-2	0.000185	0.000185
Piso 2	B263	1205	Vta-(12x50)	1	No Message	B.2.4-1	0.0001	0.0001
Piso 2	B263	1205	Vta-(12x50)	1.5	No Message	B.2.4-2	9.7E-05	9.7E-05
Piso 2	B263	1205	Vta-(12x50)	2	No Message	B.2.4-2	9.7E-05	9.7E-05
Piso 2	B263	1205	Vta-(12x50)	2.5	No Message	B.2.4-2	9.7E-05	9.7E-05
Piso 2	B263	1205	Vta-(12x50)	3	No Message	B.2.4-2	9.7E-05	9.7E-05
Piso 2	B263	1205	Vta-(12x50)	3.5	No Message	B.2.4-2	9.7E-05	9.7E-05
Piso 2	B263	1205	Vta-(12x50)	4	No Message	B.2.4-2	9.7E-05	9.7E-05
Piso 2	B263	1205	Vta-(12x50)	4.5	No Message	B.2.4-2	9.7E-05	9.7E-05
Piso 2	B263	1205	Vta-(12x50)	5	No Message	B.2.4-2	9.7E-05	9.7E-05
Piso 2	B263	1205	Vta-(12x50)	5.5	No Message	B.2.4-2	9.7E-05	9.7E-05
Piso 2	B263	1205	Vta-(12x50)	6	No Message	B.2.4-2	0.000185	0.000185
Piso 2	B269	1210	Vta-(12x50)	0	No Message	B.2.4-2	0.000185	0.000238
Piso 2	B269	1210	Vta-(12x50)	0.5	No Message	B.2.4-2	0.000163	0.000163
Piso 2	B269	1210	Vta-(12x50)	1	No Message	B.2.4-2	7.8E-05	7.8E-05
Piso 2	B269	1210	Vta-(12x50)	1.5	No Message	B.2.4-2	7.8E-05	7.8E-05
Piso 2	B269	1210	Vta-(12x50)	2	No Message	B.2.4-2	7.8E-05	7.8E-05
Piso 2	B269	1210	Vta-(12x50)	2.5	No Message	B.2.4-2	7.8E-05	7.8E-05
Piso 2	B269	1210	Vta-(12x50)	3	No Message	B.2.4-2	7.8E-05	7.8E-05
Piso 2	B269	1210	Vta-(12x50)	3.5	No Message	B.2.4-2	7.8E-05	7.8E-05
Piso 2	B269	1210	Vta-(12x50)	4	No Message	B.2.4-2	7.8E-05	7.8E-05
Piso 2	B269	1210	Vta-(12x50)	4.5	No Message	B.2.4-2	7.8E-05	7.8E-05
Piso 2	B269	1210	Vta-(12x50)	5	No Message	B.2.4-2	7.8E-05	7.8E-05
Piso 2	B269	1210	Vta-(12x50)	5.5	No Message	B.2.4-2	0.000146	0.000146
Piso 2	B269	1210	Vta-(12x50)	6	No Message	B.2.4-2	0.000185	0.000222
Piso 2	B274	1215	Vta-(12x50)	0	No Message	B.2.4-2	0.000185	0.000185
Piso 2	B274	1215	Vta-(12x50)	0.5	No Message	B.2.4-2	0.000124	0.000124
Piso 2	B274	1215	Vta-(12x50)	1	No Message	B.2.4-2	5.9E-05	5.9E-05
Piso 2	B274	1215	Vta-(12x50)	1.5	No Message	B.2.4-2	5.9E-05	5.9E-05
Piso 2	B274	1215	Vta-(12x50)	2	No Message	B.2.4-2	5.9E-05	5.9E-05
Piso 2	B274	1215	Vta-(12x50)	2.5	No Message	B.2.4-2	5.9E-05	5.9E-05
Piso 2	B274	1215	Vta-(12x50)	3	No Message	B.2.4-2	5.9E-05	5.9E-05
Piso 2	B274	1215	Vta-(12x50)	3.5	No Message	B.2.4-2	5.9E-05	5.9E-05
Piso 2	B274	1215	Vta-(12x50)	4	No Message	B.2.4-2	5.9E-05	5.9E-05
Piso 2	B274	1215	Vta-(12x50)	4.5	No Message	B.2.4-2	5.9E-05	5.9E-05
Piso 2	B274	1215	Vta-(12x50)	5	No Message	B.2.4-2	5.9E-05	5.9E-05
Piso 2	B274	1215	Vta-(12x50)	5.5	No Message	B.2.4-2	0.000128	0.000128
Piso 2	B274	1215	Vta-(12x50)	6	No Message	B.2.4-2	0.000185	0.000185
Piso 2	B279	1220	Vta-(12x50)	0	No Message	B.2.4-2	0.000185	0.000186
Piso 2	B279	1220	Vta-(12x50)	0.5	No Message	B.2.4-2	0.000138	0.000138
Piso 2	B279	1220	Vta-(12x50)	1	No Message	B.2.4-2	6.2E-05	6.2E-05
Piso 2	B279	1220	Vta-(12x50)	1.5	No Message	B.2.4-2	6.2E-05	6.2E-05
Piso 2	B279	1220	Vta-(12x50)	2	No Message	B.2.4-2	6.2E-05	6.2E-05
Piso 2	B279	1220	Vta-(12x50)	2.5	No Message	B.2.4-2	6.2E-05	6.2E-05
Piso 2	B279	1220	Vta-(12x50)	3	No Message	B.2.4-2	6.2E-05	6.2E-05
Piso 2	B279	1220	Vta-(12x50)	3.5	No Message	B.2.4-2	6.2E-05	6.2E-05
Piso 2	B279	1220	Vta-(12x50)	4	No Message	B.2.4-2	6.2E-05	6.2E-05
Piso 2	B279	1220	Vta-(12x50)	4.5	No Message	B.2.4-2	6.2E-05	6.2E-05
Piso 2	B279	1220	Vta-(12x50)	5	No Message	B.2.4-2	6.2E-05	6.2E-05
Piso 2	B279	1220	Vta-(12x50)	5.5	No Message	B.2.4-2	0.000123	0.000123
Piso 2	B279	1220	Vta-(12x50)	6	No Message	B.2.4-2	0.000185	0.000185
Piso 2	B332	1225	Vta-(12x50)	0	No Message	B.2.4-2	0.000185	0.000185
Piso 2	B332	1225	Vta-(12x50)	0.5	No Message	B.2.4-2	0.000126	0.000126

Table: Concrete Beam Design Summary - ACI 318-08, Part 1 of 4

Story	Label	UniqueName	DesignSect	Station	Status	AsTopCombo	AsMinTop	AsTop
Unitless	Unitless	Unitless	Unitless	m	Unitless	Unitless	m²	m²
Piso 2	B332	1225	Vta-(12x50)	1	No Message	B.2.4-2	5.8E-05	5.8E-05
Piso 2	B332	1225	Vta-(12x50)	1.5	No Message	B.2.4-2	5.8E-05	5.8E-05
Piso 2	B332	1225	Vta-(12x50)	2	No Message	B.2.4-2	5.8E-05	5.8E-05
Piso 2	B332	1225	Vta-(12x50)	2.5	No Message	B.2.4-2	5.8E-05	5.8E-05
Piso 2	B332	1225	Vta-(12x50)	3	No Message	B.2.4-2	5.8E-05	5.8E-05
Piso 2	B332	1225	Vta-(12x50)	3.5	No Message	B.2.4-2	5.8E-05	5.8E-05
Piso 2	B332	1225	Vta-(12x50)	4	No Message	B.2.4-2	5.8E-05	5.8E-05
Piso 2	B332	1225	Vta-(12x50)	4.5	No Message	B.2.4-2	5.8E-05	5.8E-05
Piso 2	B332	1225	Vta-(12x50)	5	No Message	B.2.4-2	5.8E-05	5.8E-05
Piso 2	B332	1225	Vta-(12x50)	5.5	No Message	B.2.4-2	0.000127	0.000127
Piso 2	B332	1225	Vta-(12x50)	6	No Message	B.2.4-2	0.000185	0.000185
Piso 2	B552	1230	Vta-(12x50)	0	No Message	B.2.4-2	0.000185	0.000185
Piso 2	B552	1230	Vta-(12x50)	0.5	No Message	B.2.4-2	0.000122	0.000122
Piso 2	B552	1230	Vta-(12x50)	1	No Message	B.2.4-2	6E-05	6E-05
Piso 2	B552	1230	Vta-(12x50)	1.5	No Message	B.2.4-2	6E-05	6E-05
Piso 2	B552	1230	Vta-(12x50)	2	No Message	B.2.4-2	6E-05	6E-05
Piso 2	B552	1230	Vta-(12x50)	2.5	No Message	B.2.4-2	6E-05	6E-05
Piso 2	B552	1230	Vta-(12x50)	3	No Message	B.2.4-2	6E-05	6E-05
Piso 2	B552	1230	Vta-(12x50)	3.5	No Message	B.2.4-2	6E-05	6E-05
Piso 2	B552	1230	Vta-(12x50)	4	No Message	B.2.4-2	6E-05	6E-05
Piso 2	B552	1230	Vta-(12x50)	4.5	No Message	B.2.4-2	6E-05	6E-05
Piso 2	B552	1230	Vta-(12x50)	5	No Message	B.2.4-2	6E-05	6E-05
Piso 2	B552	1230	Vta-(12x50)	5.5	No Message	B.2.4-2	0.000131	0.000131
Piso 2	B552	1230	Vta-(12x50)	6	No Message	B.2.4-2	0.000185	0.000185
Piso 2	B557	1235	Vta-(12x50)	0	No Message	B.2.4-2	0.000185	0.000185
Piso 2	B557	1235	Vta-(12x50)	0.5	No Message	B.2.4-2	0.000132	0.000132
Piso 2	B557	1235	Vta-(12x50)	1	No Message	B.2.4-2	6E-05	6E-05
Piso 2	B557	1235	Vta-(12x50)	1.5	No Message	B.2.4-2	6E-05	6E-05
Piso 2	B557	1235	Vta-(12x50)	2	No Message	B.2.4-2	6E-05	6E-05
Piso 2	B557	1235	Vta-(12x50)	2.5	No Message	B.2.4-2	6E-05	6E-05
Piso 2	B557	1235	Vta-(12x50)	3	No Message	B.2.4-2	6E-05	6E-05
Piso 2	B557	1235	Vta-(12x50)	3.5	No Message	B.2.4-2	6E-05	6E-05
Piso 2	B557	1235	Vta-(12x50)	4	No Message	B.2.4-2	6E-05	6E-05
Piso 2	B557	1235	Vta-(12x50)	4.5	No Message	B.2.4-2	6E-05	6E-05
Piso 2	B557	1235	Vta-(12x50)	5	No Message	B.2.4-2	6E-05	6E-05
Piso 2	B557	1235	Vta-(12x50)	5.5	No Message	B.2.4-2	7.2E-05	7.2E-05
Piso 2	B557	1235	Vta-(12x50)	6	No Message	B.2.4-2	0.000172	0.000172
Piso 2	B562	1240	Vta-(12x50)	0	No Message	B.2.4-2	0.000185	0.000186
Piso 2	B562	1240	Vta-(12x50)	0.5	No Message	B.2.4-2	0.000134	0.000134
Piso 2	B562	1240	Vta-(12x50)	1	No Message	B.2.4-2	6.1E-05	6.1E-05
Piso 2	B562	1240	Vta-(12x50)	1.5	No Message	B.2.4-2	6.1E-05	6.1E-05
Piso 2	B562	1240	Vta-(12x50)	2	No Message	B.2.4-2	6.1E-05	6.1E-05
Piso 2	B562	1240	Vta-(12x50)	2.5	No Message	B.2.4-2	6.1E-05	6.1E-05
Piso 2	B562	1240	Vta-(12x50)	3	No Message	B.2.4-2	6.1E-05	6.1E-05
Piso 2	B562	1240	Vta-(12x50)	3.5	No Message	B.2.4-2	6.1E-05	6.1E-05
Piso 2	B562	1240	Vta-(12x50)	4	No Message	B.2.4-2	6.1E-05	6.1E-05
Piso 2	B562	1240	Vta-(12x50)	4.5	No Message	B.2.4-2	6.1E-05	6.1E-05
Piso 2	B562	1240	Vta-(12x50)	5	No Message	B.2.4-2	6.1E-05	6.1E-05
Piso 2	B562	1240	Vta-(12x50)	5.5	No Message	B.2.4-2	7.6E-05	7.6E-05
Piso 2	B562	1240	Vta-(12x50)	6	No Message	B.2.4-2	0.000176	0.000176
Piso 2	B680	1358	Vta-(12x50)	0	No Message	B.2.4-2	6.493E-08	6.493E-08
Piso 2	B680	1358	Vta-(12x50)	0.5	No Message	B.2.4-2	6.493E-08	6.493E-08
Piso 2	B680	1358	Vta-(12x50)	1	No Message	B.2.4-2	6.493E-08	6.493E-08

Table: Concrete Beam Design Summary - ACI 318-08, Part 1 of 4

Story	Label	UniqueName	DesignSect	Station	Status	AsTopCombo	AsMinTop	AsTop
Unitless	Unitless	Unitless	Unitless	m	Unitless	Unitless	m²	m²
Piso 2	B680	1358	Vta-(12x50)	1.5	No Message	B.2.4-2	6.493E-08	6.493E-08
Piso 2	B680	1358	Vta-(12x50)	2	No Message	B.2.4-2	6.493E-08	6.493E-08
Piso 2	B680	1358	Vta-(12x50)	2.5	No Message	B.2.4-2	6.493E-08	6.493E-08
Piso 2	B680	1358	Vta-(12x50)	3	No Message	B.2.4-2	6.493E-08	6.493E-08
Piso 2	B680	1358	Vta-(12x50)	3.5	No Message	B.2.4-2	6.493E-08	6.493E-08
Piso 2	B680	1358	Vta-(12x50)	4	No Message	B.2.4-2	6.493E-08	6.493E-08
Piso 2	B680	1358	Vta-(12x50)	4.5	No Message	B.2.4-2	6.493E-08	6.493E-08
Piso 2	B680	1358	Vta-(12x50)	5	No Message	B.2.4-2	6.493E-08	6.493E-08
Piso 2	B680	1358	Vta-(12x50)	5.5	No Message	B.2.4-2	6.493E-08	6.493E-08
Piso 2	B680	1358	Vta-(12x50)	6	No Message	B.2.4-2	6.493E-08	6.493E-08
Piso 2	B686	1364	Vta-(12x50)	0	No Message	B.2.4-2	0	0
Piso 2	B686	1364	Vta-(12x50)	0.5	No Message	B.2.4-2	0	0
Piso 2	B686	1364	Vta-(12x50)	1	No Message	B.2.4-2	0	0
Piso 2	B686	1364	Vta-(12x50)	1.5	No Message	B.2.4-2	0	0
Piso 2	B686	1364	Vta-(12x50)	2	No Message	B.2.4-2	0	0
Piso 2	B686	1364	Vta-(12x50)	2.5	No Message	B.2.4-2	0	0
Piso 2	B686	1364	Vta-(12x50)	3	No Message	B.2.4-2	0	0
Piso 2	B686	1364	Vta-(12x50)	3.5	No Message	B.2.4-2	0	0
Piso 2	B686	1364	Vta-(12x50)	4	No Message	B.2.4-2	0	0
Piso 2	B686	1364	Vta-(12x50)	4.5	No Message	B.2.4-2	0	0
Piso 2	B686	1364	Vta-(12x50)	5	No Message	B.2.4-2	0	0
Piso 2	B686	1364	Vta-(12x50)	5.5	No Message	B.2.4-2	0	0
Piso 2	B686	1364	Vta-(12x50)	6	No Message	B.2.4-2	0	0
Piso 2	B710	1388	Vta-(12x50)	0	No Message	B.2.4-2	0	0
Piso 2	B710	1388	Vta-(12x50)	0.5	No Message	B.2.4-2	0	0
Piso 2	B710	1388	Vta-(12x50)	1	No Message	B.2.4-2	0	0
Piso 2	B710	1388	Vta-(12x50)	1.5	No Message	B.2.4-2	0	0
Piso 2	B710	1388	Vta-(12x50)	2	No Message	B.2.4-2	0	0
Piso 2	B710	1388	Vta-(12x50)	2.5	No Message	B.2.4-2	0	0
Piso 2	B710	1388	Vta-(12x50)	3	No Message	B.2.4-2	0	0
Piso 2	B710	1388	Vta-(12x50)	3.5	No Message	B.2.4-2	0	0
Piso 2	B710	1388	Vta-(12x50)	4	No Message	B.2.4-2	0	0
Piso 2	B710	1388	Vta-(12x50)	4.5	No Message	B.2.4-2	0	0
Piso 2	B710	1388	Vta-(12x50)	5	No Message	B.2.4-2	0	0
Piso 2	B710	1388	Vta-(12x50)	5.5	No Message	B.2.4-2	0	0
Piso 2	B710	1388	Vta-(12x50)	6	No Message	B.2.4-2	0	0
Piso 2	B716	1394	Vta-(12x50)	0	No Message	B.2.4-2	0	0
Piso 2	B716	1394	Vta-(12x50)	0.5	No Message	B.2.4-2	0	0
Piso 2	B716	1394	Vta-(12x50)	1	No Message	B.2.4-2	0	0
Piso 2	B716	1394	Vta-(12x50)	1.5	No Message	B.2.4-2	0	0
Piso 2	B716	1394	Vta-(12x50)	2	No Message	B.2.4-2	0	0
Piso 2	B716	1394	Vta-(12x50)	2.5	No Message	B.2.4-2	0	0
Piso 2	B716	1394	Vta-(12x50)	3	No Message	B.2.4-2	0	0
Piso 2	B716	1394	Vta-(12x50)	3.5	No Message	B.2.4-2	0	0
Piso 2	B716	1394	Vta-(12x50)	4	No Message	B.2.4-2	0	0
Piso 2	B716	1394	Vta-(12x50)	4.5	No Message	B.2.4-2	0	0
Piso 2	B716	1394	Vta-(12x50)	5	No Message	B.2.4-2	0	0
Piso 2	B716	1394	Vta-(12x50)	5.5	No Message	B.2.4-2	0	0
Piso 2	B716	1394	Vta-(12x50)	6	No Message	B.2.4-2	0	0
Piso 2	B125	493	Vta-(12x50)	0	No Message	B.2.4-2	0.00014	0.00014
Piso 2	B125	493	Vta-(12x50)	0.5	No Message	B.2.4-2	9.1E-05	9.1E-05
Piso 2	B125	493	Vta-(12x50)	0.5	No Message	B.2.4-2	9.1E-05	9.1E-05
Piso 2	B125	493	Vta-(12x50)	1	No Message	B.2.4-2	4.9E-05	4.9E-05

Table: Concrete Beam Design Summary - ACI 318-08, Part 1 of 4

Story	Label	UniqueName	DesignSect	Station	Status	AsTopCombo	AsMinTop	AsTop
Unitless	Unitless	Unitless	Unitless	m	Unitless	Unitless	m²	m²
Piso 2	B125	493	Vta-(12x50)	1	No Message	B.2.4-2	4.9E-05	4.9E-05
Piso 2	B125	493	Vta-(12x50)	1.5	No Message	B.2.4-2	3.2E-05	3.2E-05
Piso 2	B125	493	Vta-(12x50)	1.5	No Message	B.2.4-2	3.2E-05	3.2E-05
Piso 2	B125	493	Vta-(12x50)	2	No Message	B.2.4-2	3.2E-05	3.2E-05
Piso 2	B125	493	Vta-(12x50)	2	No Message	B.2.4-2	3.2E-05	3.2E-05
Piso 2	B125	493	Vta-(12x50)	2.5	No Message	B.2.4-2	3.2E-05	3.2E-05
Piso 2	B125	493	Vta-(12x50)	2.5	No Message	B.2.4-2	3.2E-05	3.2E-05
Piso 2	B125	493	Vta-(12x50)	3	No Message	B.2.4-2	3.2E-05	3.2E-05
Piso 2	B125	493	Vta-(12x50)	3	No Message	B.2.4-2	3.2E-05	3.2E-05
Piso 2	B125	493	Vta-(12x50)	3.5	No Message	B.2.4-2	3.2E-05	3.2E-05
Piso 2	B125	493	Vta-(12x50)	3.5	No Message	B.2.4-2	3.2E-05	3.2E-05
Piso 2	B125	493	Vta-(12x50)	4	No Message	B.2.4-2	3.2E-05	3.2E-05
Piso 2	B125	493	Vta-(12x50)	4	No Message	B.2.4-2	3.2E-05	3.2E-05
Piso 2	B125	493	Vta-(12x50)	4.5	No Message	B.2.4-2	3.2E-05	3.2E-05
Piso 2	B125	493	Vta-(12x50)	4.5	No Message	B.2.4-2	3.2E-05	3.2E-05
Piso 2	B125	493	Vta-(12x50)	5	No Message	B.2.4-2	3.2E-05	3.2E-05
Piso 2	B125	493	Vta-(12x50)	5	No Message	B.2.4-2	3.2E-05	3.2E-05
Piso 2	B125	493	Vta-(12x50)	5.5	No Message	B.2.4-2	3.2E-05	3.2E-05
Piso 2	B125	493	Vta-(12x50)	5.5	No Message	B.2.4-2	3.1E-05	3.1E-05
Piso 2	B125	493	Vta-(12x50)	6	No Message	B.2.4-2	6.1E-05	6.1E-05
Piso 2	B133	890	Vta-(12x50)	0	No Message	B.2.4-2	8.9E-05	8.9E-05
Piso 2	B133	890	Vta-(12x50)	0.5	No Message	B.2.4-2	4.7E-05	4.7E-05
Piso 2	B133	890	Vta-(12x50)	0.5	No Message	B.2.4-2	4.7E-05	4.7E-05
Piso 2	B133	890	Vta-(12x50)	1	No Message	B.2.4-2	2.1E-05	2.1E-05
Piso 2	B133	890	Vta-(12x50)	1	No Message	B.2.4-2	2.1E-05	2.1E-05
Piso 2	B133	890	Vta-(12x50)	1.5	No Message	B.2.4-2	2.1E-05	2.1E-05
Piso 2	B133	890	Vta-(12x50)	1.5	No Message	B.2.4-2	2E-05	2E-05
Piso 2	B133	890	Vta-(12x50)	2	No Message	B.2.4-2	2E-05	2E-05
Piso 2	B133	890	Vta-(12x50)	2	No Message	B.2.4-2	2E-05	2E-05
Piso 2	B133	890	Vta-(12x50)	2.5	No Message	B.2.4-2	2E-05	2E-05
Piso 2	B133	890	Vta-(12x50)	2.5	No Message	B.2.4-2	2E-05	2E-05
Piso 2	B133	890	Vta-(12x50)	3	No Message	B.2.4-2	2E-05	2E-05
Piso 2	B133	890	Vta-(12x50)	3	No Message	B.2.4-2	1.9E-05	1.9E-05
Piso 2	B133	890	Vta-(12x50)	3.5	No Message	B.2.4-2	1.9E-05	1.9E-05
Piso 2	B133	890	Vta-(12x50)	3.5	No Message	B.2.4-2	1.9E-05	1.9E-05
Piso 2	B133	890	Vta-(12x50)	4	No Message	B.2.4-2	1.9E-05	1.9E-05
Piso 2	B133	890	Vta-(12x50)	4	No Message	B.2.4-2	1.9E-05	1.9E-05
Piso 2	B133	890	Vta-(12x50)	4.5	No Message	B.2.4-2	1.9E-05	1.9E-05
Piso 2	B133	890	Vta-(12x50)	4.5	No Message	B.2.4-2	1.8E-05	1.8E-05
Piso 2	B133	890	Vta-(12x50)	5	No Message	B.2.4-2	1.8E-05	1.8E-05
Piso 2	B133	890	Vta-(12x50)	5	No Message	B.2.4-2	1.7E-05	1.7E-05
Piso 2	B133	890	Vta-(12x50)	5.5	No Message	B.2.4-2	4.3E-05	4.3E-05
Piso 2	B133	890	Vta-(12x50)	5.5	No Message	B.2.4-2	4.1E-05	4.1E-05
Piso 2	B133	890	Vta-(12x50)	6	No Message	B.2.4-2	8.3E-05	8.3E-05
Piso 2	B134	902	Vta-(12x50)	0	No Message	B.2.4-2	0.000103	0.000103
Piso 2	B134	902	Vta-(12x50)	0.5	No Message	B.2.4-2	5.7E-05	5.7E-05
Piso 2	B134	902	Vta-(12x50)	0.5	No Message	B.2.4-2	5.8E-05	5.8E-05
Piso 2	B134	902	Vta-(12x50)	1	No Message	B.2.4-2	2.8E-05	2.8E-05
Piso 2	B134	902	Vta-(12x50)	1	No Message	B.2.4-2	2.9E-05	2.9E-05
Piso 2	B134	902	Vta-(12x50)	1.5	No Message	B.2.4-2	2.9E-05	2.9E-05
Piso 2	B134	902	Vta-(12x50)	1.5	No Message	B.2.4-2	2.9E-05	2.9E-05
Piso 2	B134	902	Vta-(12x50)	2	No Message	B.2.4-2	2.9E-05	2.9E-05
Piso 2	B134	902	Vta-(12x50)	2	No Message	B.2.4-2	3E-05	3E-05

Table: Concrete Beam Design Summary - ACI 318-08, Part 1 of 4

Story	Label	UniqueName	DesignSect	Station	Status	AsTopCombo	AsMinTop	AsTop
Unitless	Unitless	Unitless	Unitless	m	Unitless	Unitless	m²	m²
Piso 2	B134	902	Vta-(12x50)	2.5	No Message	B.2.4-2	3E-05	3E-05
Piso 2	B134	902	Vta-(12x50)	2.5	No Message	B.2.4-2	3.1E-05	3.1E-05
Piso 2	B134	902	Vta-(12x50)	3	No Message	B.2.4-2	3.1E-05	3.1E-05
Piso 2	B134	902	Vta-(12x50)	3	No Message	B.2.4-2	3.2E-05	3.2E-05
Piso 2	B134	902	Vta-(12x50)	3.5	No Message	B.2.4-2	3.2E-05	3.2E-05
Piso 2	B134	902	Vta-(12x50)	3.5	No Message	B.2.4-2	3.3E-05	3.3E-05
Piso 2	B134	902	Vta-(12x50)	4	No Message	B.2.4-2	3.3E-05	3.3E-05
Piso 2	B134	902	Vta-(12x50)	4	No Message	B.2.4-2	3.5E-05	3.5E-05
Piso 2	B134	902	Vta-(12x50)	4.5	No Message	B.2.4-2	3.5E-05	3.5E-05
Piso 2	B134	902	Vta-(12x50)	4.5	No Message	B.2.4-2	3.7E-05	3.7E-05
Piso 2	B134	902	Vta-(12x50)	5	No Message	B.2.4-2	3.7E-05	3.7E-05
Piso 2	B134	902	Vta-(12x50)	5	No Message	B.2.4-2	4.1E-05	4.1E-05
Piso 2	B134	902	Vta-(12x50)	5.5	No Message	B.2.4-2	4.1E-05	4.1E-05
Piso 2	B134	902	Vta-(12x50)	5.5	No Message	B.2.4-2	4.6E-05	4.6E-05
Piso 2	B134	902	Vta-(12x50)	6	No Message	B.2.4-2	7.3E-05	7.3E-05
Piso 2	B375	606	Vta-(12x50)	0	No Message	B.2.4-2	0.00011	0.00011
Piso 2	B375	606	Vta-(12x50)	0.44667	No Message	B.2.4-2	4.4E-05	4.4E-05
Piso 2	B375	606	Vta-(12x50)	0.89333	No Message	B.2.4-2	2.7E-05	2.7E-05
Piso 2	B375	606	Vta-(12x50)	1.34	No Message	B.2.4-2	2.7E-05	2.7E-05
Piso 2	B375	606	Vta-(12x50)	1.78667	No Message	B.2.4-2	2.7E-05	2.7E-05
Piso 2	B375	606	Vta-(12x50)	2.23333	No Message	B.2.4-2	2.7E-05	2.7E-05
Piso 2	B375	606	Vta-(12x50)	2.68	No Message	B.2.4-2	2.7E-05	2.7E-05
Piso 2	B375	606	Vta-(12x50)	3.12667	No Message	B.2.4-2	2.7E-05	2.7E-05
Piso 2	B375	606	Vta-(12x50)	3.57333	No Message	B.2.4-2	2.7E-05	2.7E-05
Piso 2	B375	606	Vta-(12x50)	4.02	No Message	B.2.4-2	6E-05	6E-05
Piso 2	B473	626	Vta-(12x50)	0	No Message	B.2.4-2	0.000112	0.000112
Piso 2	B473	626	Vta-(12x50)	0.44667	No Message	B.2.4-2	4.6E-05	4.6E-05
Piso 2	B473	626	Vta-(12x50)	0.89333	No Message	B.2.4-2	2.8E-05	2.8E-05
Piso 2	B473	626	Vta-(12x50)	1.34	No Message	B.2.4-2	2.8E-05	2.8E-05
Piso 2	B473	626	Vta-(12x50)	1.78667	No Message	B.2.4-2	2.8E-05	2.8E-05
Piso 2	B473	626	Vta-(12x50)	2.23333	No Message	B.2.4-2	2.8E-05	2.8E-05
Piso 2	B473	626	Vta-(12x50)	2.68	No Message	B.2.4-2	2.8E-05	2.8E-05
Piso 2	B473	626	Vta-(12x50)	3.12667	No Message	B.2.4-2	2.8E-05	2.8E-05
Piso 2	B473	626	Vta-(12x50)	3.57333	No Message	B.2.4-2	2.8E-05	2.8E-05
Piso 2	B473	626	Vta-(12x50)	4.02	No Message	B.2.4-2	6.2E-05	6.2E-05
Piso 2	B197	513	Vta-(12x50)	0	No Message	B.2.4-2	5E-06	5E-06
Piso 2	B197	513	Vta-(12x50)	0.45	No Message	B.2.4-2	5E-06	5E-06
Piso 2	B197	513	Vta-(12x50)	0.9	No Message	B.2.4-2	5E-06	5E-06
Piso 2	B197	513	Vta-(12x50)	1.35	No Message	B.2.4-2	5E-06	5E-06
Piso 2	B197	513	Vta-(12x50)	1.8	No Message	B.2.4-2	5E-06	5E-06
Piso 2	B197	513	Vta-(12x50)	2.25	No Message	B.2.4-2	5E-06	5E-06
Piso 2	B197	513	Vta-(12x50)	2.7	No Message	B.2.4-2	5E-06	5E-06
Piso 2	B232	743	Vta-(12x50)	0	No Message	B.2.4-2	2E-06	2E-06
Piso 2	B232	743	Vta-(12x50)	0.45	No Message	B.2.4-2	3.7E-05	3.7E-05
Piso 2	B232	743	Vta-(12x50)	0.9	No Message	B.2.4-2	3.7E-05	3.7E-05
Piso 2	B232	743	Vta-(12x50)	1.35	No Message	B.2.4-2	3.7E-05	3.7E-05
Piso 2	B232	743	Vta-(12x50)	1.8	No Message	B.2.4-2	3.7E-05	3.7E-05
Piso 2	B232	743	Vta-(12x50)	2.25	No Message	B.2.4-2	8E-05	8E-05
Piso 2	B232	743	Vta-(12x50)	2.7	No Message	B.2.4-2	0.000145	0.000145
Piso 2	B371	619	Vta-(12x50)	0	No Message	B.2.4-2	2E-06	2E-06
Piso 2	B371	619	Vta-(12x50)	0.47143	No Message	B.2.4-2	2E-06	2E-06
Piso 2	B371	619	Vta-(12x50)	0.94286	No Message	B.2.4-2	2E-06	2E-06
Piso 2	B371	619	Vta-(12x50)	1.41429	No Message	B.2.4-2	2E-06	2E-06

Table: Concrete Beam Design Summary - ACI 318-08, Part 1 of 4

Story	Label	UniqueName	DesignSect	Station	Status	AsTopCombo	AsMinTop	AsTop
Unitless	Unitless	Unitless	Unitless	m	Unitless	Unitless	m²	m²
Piso 2	B371	619	Vta-(12x50)	1.88571	No Message	B.2.4-2	2E-06	2E-06
Piso 2	B371	619	Vta-(12x50)	2.35714	No Message	B.2.4-2	2E-06	2E-06
Piso 2	B371	619	Vta-(12x50)	2.82857	No Message	B.2.4-2	2E-06	2E-06
Piso 2	B371	619	Vta-(12x50)	3.3	No Message	B.2.4-2	2E-06	2E-06
Piso 2	B116	19	Vta-(12x50)	0	No Message	B.2.4-2	0.000185	0.000209
Piso 2	B116	19	Vta-(12x50)	0.5	No Message	B.2.4-2	0.00015	0.00015
Piso 2	B116	19	Vta-(12x50)	1	No Message	B.2.4-2	6.4E-05	6.4E-05
Piso 2	B116	19	Vta-(12x50)	1.5	No Message	B.2.4-2	6.4E-05	6.4E-05
Piso 2	B116	19	Vta-(12x50)	2	No Message	B.2.4-2	6.4E-05	6.4E-05
Piso 2	B116	19	Vta-(12x50)	2.5	No Message	B.2.4-2	6.4E-05	6.4E-05
Piso 2	B116	19	Vta-(12x50)	3	No Message	B.2.4-2	6.4E-05	6.4E-05
Piso 2	B116	19	Vta-(12x50)	3.5	No Message	B.2.4-2	6.4E-05	6.4E-05
Piso 2	B116	19	Vta-(12x50)	4	No Message	B.2.4-2	6.4E-05	6.4E-05
Piso 2	B116	19	Vta-(12x50)	4.5	No Message	B.2.4-2	6.4E-05	6.4E-05
Piso 2	B116	19	Vta-(12x50)	5	No Message	B.2.4-2	6.4E-05	6.4E-05
Piso 2	B116	19	Vta-(12x50)	5.5	No Message	B.2.4-2	0.000142	0.000142
Piso 2	B116	19	Vta-(12x50)	6	No Message	B.2.4-2	0.000185	0.000201
Piso 2	B117	23	Vta-(12x50)	0	No Message	B.2.4-2	0.000185	0.000185
Piso 2	B117	23	Vta-(12x50)	0.5	No Message	B.2.4-2	0.000105	0.000105
Piso 2	B117	23	Vta-(12x50)	1	No Message	B.2.4-2	4.5E-05	4.5E-05
Piso 2	B117	23	Vta-(12x50)	1.5	No Message	B.2.4-2	4.5E-05	4.5E-05
Piso 2	B117	23	Vta-(12x50)	2	No Message	B.2.4-2	4.5E-05	4.5E-05
Piso 2	B117	23	Vta-(12x50)	2.5	No Message	B.2.4-2	4.5E-05	4.5E-05
Piso 2	B117	23	Vta-(12x50)	3	No Message	B.2.4-2	4.5E-05	4.5E-05
Piso 2	B117	23	Vta-(12x50)	3.5	No Message	B.2.4-2	4.5E-05	4.5E-05
Piso 2	B117	23	Vta-(12x50)	4	No Message	B.2.4-2	4.5E-05	4.5E-05
Piso 2	B117	23	Vta-(12x50)	4.5	No Message	B.2.4-2	4.5E-05	4.5E-05
Piso 2	B117	23	Vta-(12x50)	5	No Message	B.2.4-2	4.5E-05	4.5E-05
Piso 2	B117	23	Vta-(12x50)	5.5	No Message	B.2.4-2	9.6E-05	9.6E-05
Piso 2	B117	23	Vta-(12x50)	6	No Message	B.2.4-2	0.000179	0.000179
Piso 2	B120	30	Vta-(12x50)	0	No Message	B.2.4-2	0.000153	0.000153
Piso 2	B120	30	Vta-(12x50)	0.5	No Message	B.2.4-2	7E-05	7E-05
Piso 2	B120	30	Vta-(12x50)	1	No Message	B.2.4-2	7E-05	7E-05
Piso 2	B120	30	Vta-(12x50)	1.5	No Message	B.2.4-2	7E-05	7E-05
Piso 2	B120	30	Vta-(12x50)	2	No Message	B.2.4-2	7E-05	7E-05
Piso 2	B120	30	Vta-(12x50)	2.5	No Message	B.2.4-2	7E-05	7E-05
Piso 2	B120	30	Vta-(12x50)	3	No Message	B.2.4-2	7E-05	7E-05
Piso 2	B120	30	Vta-(12x50)	3.5	No Message	B.2.4-2	7E-05	7E-05
Piso 2	B120	30	Vta-(12x50)	4	No Message	B.2.4-2	7E-05	7E-05
Piso 2	B120	30	Vta-(12x50)	4.5	No Message	B.2.4-2	7E-05	7E-05
Piso 2	B120	30	Vta-(12x50)	5	No Message	B.2.4-2	7E-05	7E-05
Piso 2	B120	30	Vta-(12x50)	5.5	No Message	B.2.4-2	0.000154	0.000154
Piso 2	B120	30	Vta-(12x50)	6	No Message	B.2.4-2	0.000185	0.00022
Piso 2	B123	31	Vta-(12x50)	0	No Message	B.2.4-2	0.00013	0.00013
Piso 2	B123	31	Vta-(12x50)	0.5	No Message	B.2.4-2	5.3E-05	5.3E-05
Piso 2	B123	31	Vta-(12x50)	1	No Message	B.2.4-2	5.3E-05	5.3E-05
Piso 2	B123	31	Vta-(12x50)	1.5	No Message	B.2.4-2	5.3E-05	5.3E-05
Piso 2	B123	31	Vta-(12x50)	2	No Message	B.2.4-2	5.3E-05	5.3E-05
Piso 2	B123	31	Vta-(12x50)	2.5	No Message	B.2.4-2	5.3E-05	5.3E-05
Piso 2	B123	31	Vta-(12x50)	3	No Message	B.2.4-2	5.3E-05	5.3E-05
Piso 2	B123	31	Vta-(12x50)	3.5	No Message	B.2.4-2	5.3E-05	5.3E-05
Piso 2	B123	31	Vta-(12x50)	4	No Message	B.2.4-2	5.3E-05	5.3E-05
Piso 2	B123	31	Vta-(12x50)	4.5	No Message	B.2.4-2	5.3E-05	5.3E-05

Table: Concrete Beam Design Summary - ACI 318-08, Part 1 of 4

Story	Label	UniqueName	DesignSect	Station	Status	AsTopCombo	AsMinTop	AsTop
Unitless	Unitless	Unitless	Unitless	m	Unitless	Unitless	m²	m²
Piso 2	B123	31	Vta-(12x50)	5	No Message	B.2.4-2	5.3E-05	5.3E-05
Piso 2	B123	31	Vta-(12x50)	5.5	No Message	B.2.4-2	0.000116	0.000116
Piso 2	B123	31	Vta-(12x50)	6	No Message	B.2.4-2	0.000185	0.000185
Piso 2	B604	50	Vta-(12x50)	0	No Message	B.2.4-2	0.000185	0.00022
Piso 2	B604	50	Vta-(12x50)	0.5	No Message	B.2.4-2	0.000154	0.000154
Piso 2	B604	50	Vta-(12x50)	1	No Message	B.2.4-2	6.9E-05	6.9E-05
Piso 2	B604	50	Vta-(12x50)	1.5	No Message	B.2.4-2	6.9E-05	6.9E-05
Piso 2	B604	50	Vta-(12x50)	2	No Message	B.2.4-2	6.9E-05	6.9E-05
Piso 2	B604	50	Vta-(12x50)	2.5	No Message	B.2.4-2	6.9E-05	6.9E-05
Piso 2	B604	50	Vta-(12x50)	3	No Message	B.2.4-2	6.9E-05	6.9E-05
Piso 2	B604	50	Vta-(12x50)	3.5	No Message	B.2.4-2	6.9E-05	6.9E-05
Piso 2	B604	50	Vta-(12x50)	4	No Message	B.2.4-2	6.9E-05	6.9E-05
Piso 2	B604	50	Vta-(12x50)	4.5	No Message	B.2.4-2	6.9E-05	6.9E-05
Piso 2	B604	50	Vta-(12x50)	5	No Message	B.2.4-2	6.9E-05	6.9E-05
Piso 2	B604	50	Vta-(12x50)	5.5	No Message	B.2.4-2	6.9E-05	6.9E-05
Piso 2	B604	50	Vta-(12x50)	6	No Message	B.2.4-2	0.000163	0.000163
Piso 2	B729	750	Vta-(12x50)	0	No Message	B.2.4-2	5E-06	5E-06
Piso 2	B729	750	Vta-(12x50)	0.5	No Message	B.2.4-2	5E-06	5E-06
Piso 2	B729	750	Vta-(12x50)	1	No Message	B.2.4-2	5E-06	5E-06
Piso 2	B729	750	Vta-(12x50)	1.5	No Message	B.2.4-2	5E-06	5E-06
Piso 2	B729	750	Vta-(12x50)	2	No Message	B.2.4-2	5E-06	5E-06
Piso 2	B729	750	Vta-(12x50)	2.5	No Message	B.2.4-2	5E-06	5E-06
Piso 2	B729	750	Vta-(12x50)	3	No Message	B.2.4-2	5E-06	5E-06
Piso 2	B729	750	Vta-(12x50)	3.5	No Message	B.2.4-2	5E-06	5E-06
Piso 2	B729	750	Vta-(12x50)	4	No Message	B.2.4-2	5E-06	5E-06
Piso 2	B729	750	Vta-(12x50)	4.5	No Message	B.2.4-2	5E-06	5E-06
Piso 2	B729	750	Vta-(12x50)	5	No Message	B.2.4-2	5E-06	5E-06
Piso 2	B729	750	Vta-(12x50)	5.5	No Message	B.2.4-2	5E-06	5E-06
Piso 2	B729	750	Vta-(12x50)	6	No Message	B.2.4-2	5E-06	5E-06
Piso 2	B731	603	Vta-(12x50)	0	No Message	B.2.4-2	0.000185	0.000185
Piso 2	B731	603	Vta-(12x50)	0.5	No Message	B.2.4-2	0.000155	0.000155
Piso 2	B731	603	Vta-(12x50)	0.5	No Message	B.2.4-2	0.000155	0.000155
Piso 2	B731	603	Vta-(12x50)	1	No Message	B.2.4-1	9.2E-05	9.2E-05
Piso 2	B731	603	Vta-(12x50)	1	No Message	B.2.4-1	9.2E-05	9.2E-05
Piso 2	B731	603	Vta-(12x50)	1.5	No Message	B.2.4-2	6E-05	6E-05
Piso 2	B731	603	Vta-(12x50)	1.5	No Message	B.2.4-2	6E-05	6E-05
Piso 2	B731	603	Vta-(12x50)	2	No Message	B.2.4-2	6E-05	6E-05
Piso 2	B731	603	Vta-(12x50)	2	No Message	B.2.4-2	6E-05	6E-05
Piso 2	B731	603	Vta-(12x50)	2.5	No Message	B.2.4-2	6E-05	6E-05
Piso 2	B731	603	Vta-(12x50)	2.5	No Message	B.2.4-2	5.9E-05	5.9E-05
Piso 2	B731	603	Vta-(12x50)	3	No Message	B.2.4-2	5.9E-05	5.9E-05
Piso 2	B731	603	Vta-(12x50)	3	No Message	B.2.4-2	5.9E-05	5.9E-05
Piso 2	B731	603	Vta-(12x50)	3.5	No Message	B.2.4-2	5.9E-05	5.9E-05
Piso 2	B731	603	Vta-(12x50)	3.5	No Message	B.2.4-2	5.9E-05	5.9E-05
Piso 2	B731	603	Vta-(12x50)	4	No Message	B.2.4-2	5.9E-05	5.9E-05
Piso 2	B731	603	Vta-(12x50)	4	No Message	B.2.4-2	5.9E-05	5.9E-05
Piso 2	B731	603	Vta-(12x50)	4.5	No Message	B.2.4-2	5.9E-05	5.9E-05
Piso 2	B731	603	Vta-(12x50)	4.5	No Message	B.2.4-2	5.9E-05	5.9E-05
Piso 2	B731	603	Vta-(12x50)	5	No Message	B.2.4-2	5.9E-05	5.9E-05
Piso 2	B731	603	Vta-(12x50)	5	No Message	B.2.4-2	5.9E-05	5.9E-05
Piso 2	B731	603	Vta-(12x50)	5.5	No Message	B.2.4-2	5.9E-05	5.9E-05
Piso 2	B731	603	Vta-(12x50)	5.5	No Message	B.2.4-2	6E-05	6E-05
Piso 2	B731	603	Vta-(12x50)	6	No Message	B.2.4-2	3.5E-05	3.5E-05

Table: Concrete Beam Design Summary - ACI 318-08, Part 1 of 4

Story	Label	UniqueName	DesignSect	Station	Status	AsTopCombo	AsMinTop	AsTop
Unitless	Unitless	Unitless	Unitless	m	Unitless	Unitless	m²	m²
Piso 2	B740	604	Vta-(12x50)	0	No Message	B.2.4-2	0.000121	0.000121
Piso 2	B740	604	Vta-(12x50)	0.5	No Message	B.2.4-2	6.2E-05	6.2E-05
Piso 2	B740	604	Vta-(12x50)	0.5	No Message	B.2.4-2	6.2E-05	6.2E-05
Piso 2	B740	604	Vta-(12x50)	1	No Message	B.2.4-2	3.4E-05	3.4E-05
Piso 2	B740	604	Vta-(12x50)	1	No Message	B.2.4-2	3.4E-05	3.4E-05
Piso 2	B740	604	Vta-(12x50)	1.5	No Message	B.2.4-2	3.4E-05	3.4E-05
Piso 2	B740	604	Vta-(12x50)	1.5	No Message	B.2.4-2	3.4E-05	3.4E-05
Piso 2	B740	604	Vta-(12x50)	2	No Message	B.2.4-2	3.4E-05	3.4E-05
Piso 2	B740	604	Vta-(12x50)	2	No Message	B.2.4-2	3.4E-05	3.4E-05
Piso 2	B740	604	Vta-(12x50)	2.5	No Message	B.2.4-2	3.4E-05	3.4E-05
Piso 2	B740	604	Vta-(12x50)	2.5	No Message	B.2.4-2	3.4E-05	3.4E-05
Piso 2	B740	604	Vta-(12x50)	3	No Message	B.2.4-2	3.4E-05	3.4E-05
Piso 2	B740	604	Vta-(12x50)	3	No Message	B.2.4-2	3.4E-05	3.4E-05
Piso 2	B740	604	Vta-(12x50)	3.5	No Message	B.2.4-2	3.4E-05	3.4E-05
Piso 2	B740	604	Vta-(12x50)	3.5	No Message	B.2.4-2	3.4E-05	3.4E-05
Piso 2	B740	604	Vta-(12x50)	4	No Message	B.2.4-2	3.4E-05	3.4E-05
Piso 2	B740	604	Vta-(12x50)	4	No Message	B.2.4-2	3.4E-05	3.4E-05
Piso 2	B740	604	Vta-(12x50)	4.5	No Message	B.2.4-2	3.4E-05	3.4E-05
Piso 2	B740	604	Vta-(12x50)	4.5	No Message	B.2.4-2	3.4E-05	3.4E-05
Piso 2	B740	604	Vta-(12x50)	5	No Message	B.2.4-2	3.4E-05	3.4E-05
Piso 2	B740	604	Vta-(12x50)	5	No Message	B.2.4-2	3.4E-05	3.4E-05
Piso 2	B740	604	Vta-(12x50)	5.5	No Message	B.2.4-2	7E-05	7E-05
Piso 2	B740	604	Vta-(12x50)	5.5	No Message	B.2.4-2	7E-05	7E-05
Piso 2	B740	604	Vta-(12x50)	6	No Message	B.2.4-2	0.000131	0.000131
Piso 2	B741	658	Vta-(12x50)	0	No Message	B.2.4-2	0.00014	0.00014
Piso 2	B741	658	Vta-(12x50)	0.5	No Message	B.2.4-2	7.7E-05	7.7E-05
Piso 2	B741	658	Vta-(12x50)	0.5	No Message	B.2.4-2	7.7E-05	7.7E-05
Piso 2	B741	658	Vta-(12x50)	1	No Message	B.2.4-2	3.6E-05	3.6E-05
Piso 2	B741	658	Vta-(12x50)	1	No Message	B.2.4-2	3.6E-05	3.6E-05
Piso 2	B741	658	Vta-(12x50)	1.5	No Message	B.2.4-2	3.6E-05	3.6E-05
Piso 2	B741	658	Vta-(12x50)	1.5	No Message	B.2.4-2	3.7E-05	3.7E-05
Piso 2	B741	658	Vta-(12x50)	2	No Message	B.2.4-2	3.7E-05	3.7E-05
Piso 2	B741	658	Vta-(12x50)	2	No Message	B.2.4-2	3.7E-05	3.7E-05
Piso 2	B741	658	Vta-(12x50)	2.5	No Message	B.2.4-2	3.7E-05	3.7E-05
Piso 2	B741	658	Vta-(12x50)	2.5	No Message	B.2.4-2	3.7E-05	3.7E-05
Piso 2	B741	658	Vta-(12x50)	3	No Message	B.2.4-2	3.7E-05	3.7E-05
Piso 2	B741	658	Vta-(12x50)	3	No Message	B.2.4-2	3.7E-05	3.7E-05
Piso 2	B741	658	Vta-(12x50)	3.5	No Message	B.2.4-2	3.7E-05	3.7E-05
Piso 2	B741	658	Vta-(12x50)	3.5	No Message	B.2.4-2	3.7E-05	3.7E-05
Piso 2	B741	658	Vta-(12x50)	4	No Message	B.2.4-2	3.7E-05	3.7E-05
Piso 2	B741	658	Vta-(12x50)	4	No Message	B.2.4-2	3.6E-05	3.6E-05
Piso 2	B741	658	Vta-(12x50)	4.5	No Message	B.2.4-2	3.6E-05	3.6E-05
Piso 2	B741	658	Vta-(12x50)	4.5	No Message	B.2.4-2	3.5E-05	3.5E-05
Piso 2	B741	658	Vta-(12x50)	5	No Message	B.2.4-2	3.5E-05	3.5E-05
Piso 2	B741	658	Vta-(12x50)	5	No Message	B.2.4-2	3.4E-05	3.4E-05
Piso 2	B741	658	Vta-(12x50)	5.5	No Message	B.2.4-2	4.8E-05	4.8E-05
Piso 2	B741	658	Vta-(12x50)	5.5	No Message	B.2.4-2	4.7E-05	4.7E-05
Piso 2	B741	658	Vta-(12x50)	6	No Message	B.2.4-2	0.000104	0.000104

Table: Concrete Beam Design Summary - ACI 318-08, Part 2 of 4

Table: Concrete Beam Design Summary - ACI 318-08, Part 2 of 4

Story	Label	UniqueName	Station	AsBotCombo	AsMinBot	AsBot	VCombo	VRebar
Unitless	Unitless	Unitless	m	Unitless	m²	m²	Unitless	m²/m
Piso 2	B213	1160	0	B.2.4-2	6.6E-05	6.6E-05	B.2.4-2	0.0001
Piso 2	B213	1160	0.5	B.2.4-2	6.8E-05	6.8E-05	B.2.4-2	0.0001
Piso 2	B213	1160	1	B.2.4-2	6.8E-05	6.8E-05	B.2.4-2	0
Piso 2	B213	1160	1.5	B.2.4-2	0.000101	0.000101	B.2.4-2	0
Piso 2	B213	1160	2	B.2.4-2	0.000133	0.000133	B.2.4-2	0
Piso 2	B213	1160	2.5	B.2.4-2	0.000149	0.000149	B.2.4-2	0
Piso 2	B213	1160	3	B.2.4-2	0.000149	0.000149	B.2.4-2	0
Piso 2	B213	1160	3.5	B.2.4-2	0.000131	0.000131	B.2.4-2	0
Piso 2	B213	1160	4	B.2.4-2	9.7E-05	9.7E-05	B.2.4-2	0
Piso 2	B213	1160	4.5	B.2.4-2	6.8E-05	6.8E-05	B.2.4-2	0
Piso 2	B213	1160	5	B.2.4-2	6.8E-05	6.8E-05	B.2.4-2	0.0001
Piso 2	B213	1160	5.5	B.2.4-2	6.8E-05	6.8E-05	B.2.4-2	0.0001
Piso 2	B213	1160	6	B.2.4-2	0.000135	0.000135	B.2.4-2	0.0001
Piso 2	B218	1165	0	B.2.4-2	8.2E-05	8.2E-05	B.2.4-2	0.0001
Piso 2	B218	1165	0.5	B.2.4-2	5.5E-05	5.5E-05	B.2.4-2	0.0001
Piso 2	B218	1165	1	B.2.4-2	5.5E-05	5.5E-05	B.2.4-2	0
Piso 2	B218	1165	1.5	B.2.4-2	0.000106	0.000106	B.2.4-2	0
Piso 2	B218	1165	2	B.2.4-2	0.000147	0.000147	B.2.4-2	0
Piso 2	B218	1165	2.5	B.2.4-2	0.000171	0.000171	B.2.4-2	0
Piso 2	B218	1165	3	B.2.4-2	0.000176	0.000176	B.2.4-2	0
Piso 2	B218	1165	3.5	B.2.4-2	0.000164	0.000164	B.2.4-2	0
Piso 2	B218	1165	4	B.2.4-2	0.000133	0.000133	B.2.4-2	0
Piso 2	B218	1165	4.5	B.2.4-2	8.5E-05	8.5E-05	B.2.4-2	0
Piso 2	B218	1165	5	B.2.4-2	5.5E-05	5.5E-05	B.2.4-2	0.0001
Piso 2	B218	1165	5.5	B.2.4-2	5.5E-05	5.5E-05	B.2.4-2	0.0001
Piso 2	B218	1165	6	B.2.4-2	0.000111	0.000111	B.2.4-2	0.0001
Piso 2	B223	1170	0	B.2.4-2	0.000103	0.000103	B.2.4-2	0.0001
Piso 2	B223	1170	0.5	B.2.4-2	5.7E-05	5.7E-05	B.2.4-2	0.0001
Piso 2	B223	1170	1	B.2.4-2	5.7E-05	5.7E-05	B.2.4-2	0.0001
Piso 2	B223	1170	1.5	B.2.4-2	8.6E-05	8.6E-05	B.2.4-2	0
Piso 2	B223	1170	2	B.2.4-2	0.00013	0.00013	B.2.4-2	0
Piso 2	B223	1170	2.5	B.2.4-2	0.000156	0.000156	B.2.4-2	0
Piso 2	B223	1170	3	B.2.4-2	0.000163	0.000163	B.2.4-2	0
Piso 2	B223	1170	3.5	B.2.4-2	0.000153	0.000153	B.2.4-2	0
Piso 2	B223	1170	4	B.2.4-2	0.000125	0.000125	B.2.4-2	0
Piso 2	B223	1170	4.5	B.2.4-2	7.9E-05	7.9E-05	B.2.4-2	0
Piso 2	B223	1170	5	B.2.4-2	5.7E-05	5.7E-05	B.2.4-2	0.0001
Piso 2	B223	1170	5.5	B.2.4-2	5.7E-05	5.7E-05	B.2.4-2	0.0001
Piso 2	B223	1170	6	B.2.4-2	0.000112	0.000112	B.2.4-2	0.0001
Piso 2	B228	1175	0	B.2.4-2	0.000112	0.000112	B.2.4-2	0.0001
Piso 2	B228	1175	0.5	B.2.4-2	5.5E-05	5.5E-05	B.2.4-2	0.0001
Piso 2	B228	1175	1	B.2.4-2	5.5E-05	5.5E-05	B.2.4-2	0.0001
Piso 2	B228	1175	1.5	B.2.4-2	8E-05	8E-05	B.2.4-2	0
Piso 2	B228	1175	2	B.2.4-2	0.000128	0.000128	B.2.4-2	0
Piso 2	B228	1175	2.5	B.2.4-2	0.000158	0.000158	B.2.4-2	0
Piso 2	B228	1175	3	B.2.4-2	0.000169	0.000169	B.2.4-2	0
Piso 2	B228	1175	3.5	B.2.4-2	0.000163	0.000163	B.2.4-2	0
Piso 2	B228	1175	4	B.2.4-2	0.000139	0.000139	B.2.4-2	0
Piso 2	B228	1175	4.5	B.2.4-2	9.7E-05	9.7E-05	B.2.4-2	0
Piso 2	B228	1175	5	B.2.4-2	5.5E-05	5.5E-05	B.2.4-2	0.0001
Piso 2	B228	1175	5.5	B.2.4-2	5.5E-05	5.5E-05	B.2.4-2	0.0001
Piso 2	B228	1175	6	B.2.4-2	9E-05	9E-05	B.2.4-2	0.0001

Table: Concrete Beam Design Summary - ACI 318-08, Part 2 of 4

Story	Label	UniqueName	Station	AsBotCombo	AsMinBot	AsBot	VCombo	VRebar
Unitless	Unitless	Unitless	m	Unitless	m²	m²	Unitless	m²/m
Piso 2	B235	1180	0	B.2.4-2	0.000114	0.000114	B.2.4-2	0.0001
Piso 2	B235	1180	0.5	B.2.4-2	5.7E-05	5.7E-05	B.2.4-2	0.0001
Piso 2	B235	1180	1	B.2.4-2	5.7E-05	5.7E-05	B.2.4-2	0.0001
Piso 2	B235	1180	1.5	B.2.4-2	7.6E-05	7.6E-05	B.2.4-2	0
Piso 2	B235	1180	2	B.2.4-2	0.000121	0.000121	B.2.4-2	0
Piso 2	B235	1180	2.5	B.2.4-2	0.000149	0.000149	B.2.4-2	0
Piso 2	B235	1180	3	B.2.4-2	0.000159	0.000159	B.2.4-2	0
Piso 2	B235	1180	3.5	B.2.4-2	0.000151	0.000151	B.2.4-2	0
Piso 2	B235	1180	4	B.2.4-2	0.000125	0.000125	B.2.4-2	0
Piso 2	B235	1180	4.5	B.2.4-2	8.2E-05	8.2E-05	B.2.4-2	0
Piso 2	B235	1180	5	B.2.4-2	5.7E-05	5.7E-05	B.2.4-2	0.0001
Piso 2	B235	1180	5.5	B.2.4-2	5.7E-05	5.7E-05	B.2.4-2	0.0001
Piso 2	B235	1180	6	B.2.4-2	0.000107	0.000107	B.2.4-2	0.0001
Piso 2	B246	1190	0	B.2.4-2	0.000117	0.000117	B.2.4-2	0.0001
Piso 2	B246	1190	0.5	B.2.4-2	6E-05	6E-05	B.2.4-2	0.0001
Piso 2	B246	1190	1	B.2.4-2	6E-05	6E-05	B.2.4-2	0.0001
Piso 2	B246	1190	1.5	B.2.4-2	6.7E-05	6.7E-05	B.2.4-2	0
Piso 2	B246	1190	2	B.2.4-2	0.000111	0.000111	B.2.4-2	0
Piso 2	B246	1190	2.5	B.2.4-2	0.000138	0.000138	B.2.4-2	0
Piso 2	B246	1190	3	B.2.4-2	0.000147	0.000147	B.2.4-2	0
Piso 2	B246	1190	3.5	B.2.4-2	0.000138	0.000138	B.2.4-2	0
Piso 2	B246	1190	4	B.2.4-2	0.000111	0.000111	B.2.4-2	0
Piso 2	B246	1190	4.5	B.2.4-2	6.6E-05	6.6E-05	B.2.4-2	0
Piso 2	B246	1190	5	B.2.4-2	6E-05	6E-05	B.2.4-2	0.0001
Piso 2	B246	1190	5.5	B.2.4-2	6E-05	6E-05	B.2.4-2	0.0001
Piso 2	B246	1190	6	B.2.4-2	0.000121	0.000121	B.2.4-2	0.0001
Piso 2	B253	1195	0	B.2.4-2	6.3E-05	6.3E-05	B.2.4-2	0.0001
Piso 2	B253	1195	0.5	B.2.4-2	8.7E-05	8.7E-05	B.2.4-2	0.0001
Piso 2	B253	1195	1	B.2.4-2	8.7E-05	8.7E-05	B.2.4-2	0
Piso 2	B253	1195	1.5	B.2.4-2	0.00012	0.00012	B.2.4-2	0
Piso 2	B253	1195	2	B.2.4-2	0.00015	0.00015	B.2.4-2	0
Piso 2	B253	1195	2.5	B.2.4-2	0.000162	0.000162	B.2.4-2	0
Piso 2	B253	1195	3	B.2.4-2	0.000156	0.000156	B.2.4-2	0
Piso 2	B253	1195	3.5	B.2.4-2	0.000132	0.000132	B.2.4-2	0
Piso 2	B253	1195	4	B.2.4-2	9E-05	9E-05	B.2.4-2	0
Piso 2	B253	1195	4.5	B.2.4-2	8.7E-05	8.7E-05	B.2.4-2	0.0001
Piso 2	B253	1195	5	B.2.4-2	8.7E-05	8.7E-05	B.2.4-2	0.0001
Piso 2	B253	1195	5.5	B.2.4-2	8.7E-05	8.7E-05	B.2.4-2	0.0001
Piso 2	B253	1195	6	B.2.4-2	0.000174	0.000174	B.2.4-2	0.0001
Piso 2	B258	1200	0	B.2.4-2	0.000111	0.000111	B.2.4-2	0.0001
Piso 2	B258	1200	0.5	B.2.4-2	6.4E-05	6.4E-05	B.2.4-2	0.0001
Piso 2	B258	1200	1	B.2.4-2	6.4E-05	6.4E-05	B.2.4-2	0.0001
Piso 2	B258	1200	1.5	B.2.4-2	7.5E-05	7.5E-05	B.2.4-2	0
Piso 2	B258	1200	2	B.2.4-2	0.000118	0.000118	B.2.4-2	0
Piso 2	B258	1200	2.5	B.2.4-2	0.000143	0.000143	B.2.4-2	0
Piso 2	B258	1200	3	B.2.4-2	0.000151	0.000151	B.2.4-2	0
Piso 2	B258	1200	3.5	B.2.4-2	0.00014	0.00014	B.2.4-2	0
Piso 2	B258	1200	4	B.2.4-2	0.000112	0.000112	B.2.4-2	0
Piso 2	B258	1200	4.5	B.2.4-2	6.5E-05	6.5E-05	B.2.4-2	0
Piso 2	B258	1200	5	B.2.4-2	6.4E-05	6.4E-05	B.2.4-2	0.0001
Piso 2	B258	1200	5.5	B.2.4-2	6.4E-05	6.4E-05	B.2.4-2	0.0001
Piso 2	B258	1200	6	B.2.4-2	0.000129	0.000129	B.2.4-2	0.0001
Piso 2	B263	1205	0	B.2.4-2	0.000185	0.000185	B.2.4-2	0.0001

Table: Concrete Beam Design Summary - ACI 318-08, Part 2 of 4

Story	Label	UniqueName	Station	AsBotCombo	AsMinBot	AsBot	VCombo	VRebar
Unitless	Unitless	Unitless	m	Unitless	m²	m²	Unitless	m²/m
Piso 2	B263	1205	0.5	B.2.4-2	9.7E-05	9.7E-05	B.2.4-2	0.0001
Piso 2	B263	1205	1	B.2.4-2	9.7E-05	9.7E-05	B.2.4-2	0.0001
Piso 2	B263	1205	1.5	B.2.4-2	0.000105	0.000105	B.2.4-2	0.0001
Piso 2	B263	1205	2	B.2.4-2	0.000176	0.000176	B.2.4-2	0
Piso 2	B263	1205	2.5	B.2.4-2	0.000185	0.000185	B.2.4-2	0
Piso 2	B263	1205	3	B.2.4-2	0.000185	0.000186	B.2.4-2	0
Piso 2	B263	1205	3.5	B.2.4-2	0.000185	0.000185	B.2.4-2	0
Piso 2	B263	1205	4	B.2.4-2	0.000185	0.000185	B.2.4-2	0
Piso 2	B263	1205	4.5	B.2.4-2	0.000174	0.000174	B.2.4-2	0
Piso 2	B263	1205	5	B.2.4-2	0.000102	0.000102	B.2.4-2	0.0001
Piso 2	B263	1205	5.5	B.2.4-2	9.7E-05	9.7E-05	B.2.4-2	0.0001
Piso 2	B263	1205	6	B.2.4-2	0.000116	0.000116	B.2.4-2	0.0001
Piso 2	B269	1210	0	B.2.4-2	0.000156	0.000156	B.2.4-2	0.0001
Piso 2	B269	1210	0.5	B.2.4-2	7.8E-05	7.8E-05	B.2.4-2	0.0001
Piso 2	B269	1210	1	B.2.4-2	7.8E-05	7.8E-05	B.2.4-2	0.0001
Piso 2	B269	1210	1.5	B.2.4-2	0.000139	0.000139	B.2.4-2	0.0001
Piso 2	B269	1210	2	B.2.4-2	0.000185	0.000185	B.2.4-2	0
Piso 2	B269	1210	2.5	B.2.4-2	0.000185	0.000185	B.2.4-2	0
Piso 2	B269	1210	3	B.2.4-2	0.000185	0.000189	B.2.4-2	0
Piso 2	B269	1210	3.5	B.2.4-2	0.000185	0.000185	B.2.4-2	0
Piso 2	B269	1210	4	B.2.4-2	0.000185	0.000185	B.2.4-2	0
Piso 2	B269	1210	4.5	B.2.4-2	0.000149	0.000149	B.2.4-2	0.0001
Piso 2	B269	1210	5	B.2.4-2	7.8E-05	7.8E-05	B.2.4-2	0.0001
Piso 2	B269	1210	5.5	B.2.4-2	7.8E-05	7.8E-05	B.2.4-2	0.0001
Piso 2	B269	1210	6	B.2.4-2	0.000146	0.000146	B.2.4-2	0.0001
Piso 2	B274	1215	0	B.2.4-2	0.000115	0.000115	B.2.4-2	0.0001
Piso 2	B274	1215	0.5	B.2.4-2	5.9E-05	5.9E-05	B.2.4-2	0.0001
Piso 2	B274	1215	1	B.2.4-2	5.9E-05	5.9E-05	B.2.4-2	0.0001
Piso 2	B274	1215	1.5	B.2.4-2	8.7E-05	8.7E-05	B.2.4-2	0
Piso 2	B274	1215	2	B.2.4-2	0.000131	0.000131	B.2.4-2	0
Piso 2	B274	1215	2.5	B.2.4-2	0.000157	0.000157	B.2.4-2	0
Piso 2	B274	1215	3	B.2.4-2	0.000164	0.000164	B.2.4-2	0
Piso 2	B274	1215	3.5	B.2.4-2	0.000154	0.000154	B.2.4-2	0
Piso 2	B274	1215	4	B.2.4-2	0.000126	0.000126	B.2.4-2	0
Piso 2	B274	1215	4.5	B.2.4-2	8E-05	8E-05	B.2.4-2	0
Piso 2	B274	1215	5	B.2.4-2	5.9E-05	5.9E-05	B.2.4-2	0.0001
Piso 2	B274	1215	5.5	B.2.4-2	5.9E-05	5.9E-05	B.2.4-2	0.0001
Piso 2	B274	1215	6	B.2.4-2	0.000117	0.000117	B.2.4-2	0.0001
Piso 2	B279	1220	0	B.2.4-2	0.000123	0.000123	B.2.4-2	0.0001
Piso 2	B279	1220	0.5	B.2.4-2	6.2E-05	6.2E-05	B.2.4-2	0.0001
Piso 2	B279	1220	1	B.2.4-2	6.2E-05	6.2E-05	B.2.4-2	0.0001
Piso 2	B279	1220	1.5	B.2.4-2	7.7E-05	7.7E-05	B.2.4-2	0
Piso 2	B279	1220	2	B.2.4-2	0.000122	0.000122	B.2.4-2	0
Piso 2	B279	1220	2.5	B.2.4-2	0.000149	0.000149	B.2.4-2	0
Piso 2	B279	1220	3	B.2.4-2	0.000158	0.000158	B.2.4-2	0
Piso 2	B279	1220	3.5	B.2.4-2	0.00015	0.00015	B.2.4-2	0
Piso 2	B279	1220	4	B.2.4-2	0.000123	0.000123	B.2.4-2	0
Piso 2	B279	1220	4.5	B.2.4-2	7.8E-05	7.8E-05	B.2.4-2	0
Piso 2	B279	1220	5	B.2.4-2	6.2E-05	6.2E-05	B.2.4-2	0.0001
Piso 2	B279	1220	5.5	B.2.4-2	6.2E-05	6.2E-05	B.2.4-2	0.0001
Piso 2	B279	1220	6	B.2.4-2	0.000113	0.000113	B.2.4-2	0.0001
Piso 2	B332	1225	0	B.2.4-2	0.000116	0.000116	B.2.4-2	0.0001
Piso 2	B332	1225	0.5	B.2.4-2	5.8E-05	5.8E-05	B.2.4-2	0.0001

Table: Concrete Beam Design Summary - ACI 318-08, Part 2 of 4

Story	Label	UniqueName	Station	AsBotCombo	AsMinBot	AsBot	VCombo	VRebar
Unitless	Unitless	Unitless	m	Unitless	m²	m²	Unitless	m²/m
Piso 2	B332	1225	1	B.2.4-2	5.8E-05	5.8E-05	B.2.4-2	0.0001
Piso 2	B332	1225	1.5	B.2.4-2	7.2E-05	7.2E-05	B.2.4-2	0
Piso 2	B332	1225	2	B.2.4-2	0.000117	0.000117	B.2.4-2	0
Piso 2	B332	1225	2.5	B.2.4-2	0.000143	0.000143	B.2.4-2	0
Piso 2	B332	1225	3	B.2.4-2	0.000152	0.000152	B.2.4-2	0
Piso 2	B332	1225	3.5	B.2.4-2	0.000142	0.000142	B.2.4-2	0
Piso 2	B332	1225	4	B.2.4-2	0.000115	0.000115	B.2.4-2	0
Piso 2	B332	1225	4.5	B.2.4-2	7E-05	7E-05	B.2.4-2	0
Piso 2	B332	1225	5	B.2.4-2	5.8E-05	5.8E-05	B.2.4-2	0.0001
Piso 2	B332	1225	5.5	B.2.4-2	5.8E-05	5.8E-05	B.2.4-2	0.0001
Piso 2	B332	1225	6	B.2.4-2	0.000116	0.000116	B.2.4-2	0.0001
Piso 2	B552	1230	0	B.2.4-2	0.000113	0.000113	B.2.4-2	0.0001
Piso 2	B552	1230	0.5	B.2.4-2	6E-05	6E-05	B.2.4-2	0.0001
Piso 2	B552	1230	1	B.2.4-2	6E-05	6E-05	B.2.4-2	0.0001
Piso 2	B552	1230	1.5	B.2.4-2	7.4E-05	7.4E-05	B.2.4-2	0
Piso 2	B552	1230	2	B.2.4-2	0.000118	0.000118	B.2.4-2	0
Piso 2	B552	1230	2.5	B.2.4-2	0.000144	0.000144	B.2.4-2	0
Piso 2	B552	1230	3	B.2.4-2	0.000152	0.000152	B.2.4-2	0
Piso 2	B552	1230	3.5	B.2.4-2	0.000142	0.000142	B.2.4-2	0
Piso 2	B552	1230	4	B.2.4-2	0.000114	0.000114	B.2.4-2	0
Piso 2	B552	1230	4.5	B.2.4-2	6.9E-05	6.9E-05	B.2.4-2	0
Piso 2	B552	1230	5	B.2.4-2	6E-05	6E-05	B.2.4-2	0.0001
Piso 2	B552	1230	5.5	B.2.4-2	6E-05	6E-05	B.2.4-2	0.0001
Piso 2	B552	1230	6	B.2.4-2	0.000119	0.000119	B.2.4-2	0.0001
Piso 2	B557	1235	0	B.2.4-2	0.000121	0.000121	B.2.4-2	0.0001
Piso 2	B557	1235	0.5	B.2.4-2	6E-05	6E-05	B.2.4-2	0.0001
Piso 2	B557	1235	1	B.2.4-2	6E-05	6E-05	B.2.4-2	0.0001
Piso 2	B557	1235	1.5	B.2.4-2	7.4E-05	7.4E-05	B.2.4-2	0
Piso 2	B557	1235	2	B.2.4-2	0.000123	0.000123	B.2.4-2	0
Piso 2	B557	1235	2.5	B.2.4-2	0.000155	0.000155	B.2.4-2	0
Piso 2	B557	1235	3	B.2.4-2	0.000168	0.000168	B.2.4-2	0
Piso 2	B557	1235	3.5	B.2.4-2	0.000164	0.000164	B.2.4-2	0
Piso 2	B557	1235	4	B.2.4-2	0.000141	0.000141	B.2.4-2	0
Piso 2	B557	1235	4.5	B.2.4-2	0.000101	0.000101	B.2.4-2	0
Piso 2	B557	1235	5	B.2.4-2	6E-05	6E-05	B.2.4-2	0
Piso 2	B557	1235	5.5	B.2.4-2	6E-05	6E-05	B.2.4-2	0.0001
Piso 2	B557	1235	6	B.2.4-2	8.5E-05	8.5E-05	B.2.4-2	0.0001
Piso 2	B562	1240	0	B.2.4-2	0.000123	0.000123	B.2.4-2	0.0001
Piso 2	B562	1240	0.5	B.2.4-2	6.1E-05	6.1E-05	B.2.4-2	0.0001
Piso 2	B562	1240	1	B.2.4-2	6.1E-05	6.1E-05	B.2.4-2	0.0001
Piso 2	B562	1240	1.5	B.2.4-2	7.3E-05	7.3E-05	B.2.4-2	0
Piso 2	B562	1240	2	B.2.4-2	0.000122	0.000122	B.2.4-2	0
Piso 2	B562	1240	2.5	B.2.4-2	0.000154	0.000154	B.2.4-2	0
Piso 2	B562	1240	3	B.2.4-2	0.000167	0.000167	B.2.4-2	0
Piso 2	B562	1240	3.5	B.2.4-2	0.000163	0.000163	B.2.4-2	0
Piso 2	B562	1240	4	B.2.4-2	0.00014	0.00014	B.2.4-2	0
Piso 2	B562	1240	4.5	B.2.4-2	9.9E-05	9.9E-05	B.2.4-2	0
Piso 2	B562	1240	5	B.2.4-2	6.1E-05	6.1E-05	B.2.4-2	0
Piso 2	B562	1240	5.5	B.2.4-2	6.1E-05	6.1E-05	B.2.4-2	0.0001
Piso 2	B562	1240	6	B.2.4-2	8.8E-05	8.8E-05	B.2.4-2	0.0001
Piso 2	B680	1358	0	B.2.4-2	6.493E-08	6.493E-08	B.2.4-2	0.0001
Piso 2	B680	1358	0.5	B.2.4-2	0.000104	0.000104	B.2.4-2	0.0001
Piso 2	B680	1358	1	B.2.4-2	0.000185	0.000185	B.2.4-2	0.0001

Table: Concrete Beam Design Summary - ACI 318-08, Part 2 of 4

Story	Label	UniqueName	Station	AsBotCombo	AsMinBot	AsBot	VCombo	VRebar
Unitless	Unitless	Unitless	m	Unitless	m²	m²	Unitless	m²/m
Piso 2	B680	1358	1.5	B.2.4-2	0.000185	0.000195	B.2.4-2	0
Piso 2	B680	1358	2	B.2.4-2	0.000185	0.000233	B.2.4-2	0
Piso 2	B680	1358	2.5	B.2.4-2	0.000185	0.000256	B.2.4-2	0
Piso 2	B680	1358	3	B.2.4-2	0.000185	0.000264	B.2.4-2	0
Piso 2	B680	1358	3.5	B.2.4-2	0.000185	0.000256	B.2.4-2	0
Piso 2	B680	1358	4	B.2.4-2	0.000185	0.000233	B.2.4-2	0
Piso 2	B680	1358	4.5	B.2.4-2	0.000185	0.000195	B.2.4-2	0
Piso 2	B680	1358	5	B.2.4-2	0.000185	0.000185	B.2.4-2	0.0001
Piso 2	B680	1358	5.5	B.2.4-2	0.000104	0.000104	B.2.4-2	0.0001
Piso 2	B680	1358	6	B.2.4-2	6.493E-08	6.493E-08	B.2.4-2	0.0001
Piso 2	B686	1364	0	B.2.4-2	0	0	B.2.4-2	0.0001
Piso 2	B686	1364	0.5	B.2.4-2	0.000104	0.000104	B.2.4-2	0.0001
Piso 2	B686	1364	1	B.2.4-2	0.000185	0.000185	B.2.4-2	0.0001
Piso 2	B686	1364	1.5	B.2.4-2	0.000185	0.000195	B.2.4-2	0
Piso 2	B686	1364	2	B.2.4-2	0.000185	0.000233	B.2.4-2	0
Piso 2	B686	1364	2.5	B.2.4-2	0.000185	0.000256	B.2.4-2	0
Piso 2	B686	1364	3	B.2.4-2	0.000185	0.000263	B.2.4-2	0
Piso 2	B686	1364	3.5	B.2.4-2	0.000185	0.000256	B.2.4-2	0
Piso 2	B686	1364	4	B.2.4-2	0.000185	0.000233	B.2.4-2	0
Piso 2	B686	1364	4.5	B.2.4-2	0.000185	0.000195	B.2.4-2	0
Piso 2	B686	1364	5	B.2.4-2	0.000185	0.000185	B.2.4-2	0.0001
Piso 2	B686	1364	5.5	B.2.4-2	0.000104	0.000104	B.2.4-2	0.0001
Piso 2	B686	1364	6	B.2.4-2	0	0	B.2.4-2	0.0001
Piso 2	B710	1388	0	B.2.4-2	0	0	B.2.4-2	0.0001
Piso 2	B710	1388	0.5	B.2.4-2	0.000104	0.000104	B.2.4-2	0.0001
Piso 2	B710	1388	1	B.2.4-2	0.000185	0.000185	B.2.4-2	0.0001
Piso 2	B710	1388	1.5	B.2.4-2	0.000185	0.000195	B.2.4-2	0
Piso 2	B710	1388	2	B.2.4-2	0.000185	0.000233	B.2.4-2	0
Piso 2	B710	1388	2.5	B.2.4-2	0.000185	0.000256	B.2.4-2	0
Piso 2	B710	1388	3	B.2.4-2	0.000185	0.000263	B.2.4-2	0
Piso 2	B710	1388	3.5	B.2.4-2	0.000185	0.000256	B.2.4-2	0
Piso 2	B710	1388	4	B.2.4-2	0.000185	0.000233	B.2.4-2	0
Piso 2	B710	1388	4.5	B.2.4-2	0.000185	0.000195	B.2.4-2	0
Piso 2	B710	1388	5	B.2.4-2	0.000185	0.000185	B.2.4-2	0.0001
Piso 2	B710	1388	5.5	B.2.4-2	0.000104	0.000104	B.2.4-2	0.0001
Piso 2	B710	1388	6	B.2.4-2	0	0	B.2.4-2	0.0001
Piso 2	B716	1394	0	B.2.4-2	0	0	B.2.4-2	0.0001
Piso 2	B716	1394	0.5	B.2.4-2	0.000104	0.000104	B.2.4-2	0.0001
Piso 2	B716	1394	1	B.2.4-2	0.000185	0.000185	B.2.4-2	0.0001
Piso 2	B716	1394	1.5	B.2.4-2	0.000185	0.000195	B.2.4-2	0
Piso 2	B716	1394	2	B.2.4-2	0.000185	0.000233	B.2.4-2	0
Piso 2	B716	1394	2.5	B.2.4-2	0.000185	0.000256	B.2.4-2	0
Piso 2	B716	1394	3	B.2.4-2	0.000185	0.000263	B.2.4-2	0
Piso 2	B716	1394	3.5	B.2.4-2	0.000185	0.000256	B.2.4-2	0
Piso 2	B716	1394	4	B.2.4-2	0.000185	0.000233	B.2.4-2	0
Piso 2	B716	1394	4.5	B.2.4-2	0.000185	0.000195	B.2.4-2	0
Piso 2	B716	1394	5	B.2.4-2	0.000185	0.000185	B.2.4-2	0.0001
Piso 2	B716	1394	5.5	B.2.4-2	0.000104	0.000104	B.2.4-2	0.0001
Piso 2	B716	1394	6	B.2.4-2	0	0	B.2.4-2	0.0001
Piso 2	B125	493	0	B.2.4-2	6.7E-05	6.7E-05	B.2.4-2	0
Piso 2	B125	493	0.5	B.2.4-2	3.1E-05	3.1E-05	B.2.4-2	0
Piso 2	B125	493	0.5	B.2.4-2	3.1E-05	3.1E-05	B.2.4-2	0
Piso 2	B125	493	1	B.2.4-2	3.1E-05	3.1E-05	B.2.4-2	0

Table: Concrete Beam Design Summary - ACI 318-08, Part 2 of 4

Story	Label	UniqueName	Station	AsBotCombo	AsMinBot	AsBot	VCombo	VRebar
Unitless	Unitless	Unitless	m	Unitless	m²	m²	Unitless	m²/m
Piso 2	B125	493	1	B.2.4-2	3.2E-05	3.2E-05	B.2.4-2	0
Piso 2	B125	493	1.5	B.2.4-2	3.2E-05	3.2E-05	B.2.4-2	0
Piso 2	B125	493	1.5	B.2.4-2	3.2E-05	3.2E-05	B.2.4-2	0
Piso 2	B125	493	2	B.2.4-2	3.2E-05	3.2E-05	B.2.4-2	0
Piso 2	B125	493	2	B.2.4-2	3.2E-05	3.2E-05	B.2.4-2	0
Piso 2	B125	493	2.5	B.2.4-2	3.2E-05	3.2E-05	B.2.4-2	0
Piso 2	B125	493	2.5	B.2.4-2	3.2E-05	3.2E-05	B.2.4-2	0
Piso 2	B125	493	3	B.2.4-2	4E-05	4E-05	B.2.4-2	0
Piso 2	B125	493	3	B.2.4-2	4E-05	4E-05	B.2.4-2	0
Piso 2	B125	493	3.5	B.2.4-2	4E-05	4E-05	B.2.4-2	0
Piso 2	B125	493	3.5	B.2.4-2	4E-05	4E-05	B.2.4-2	0
Piso 2	B125	493	4	B.2.4-2	3.3E-05	3.3E-05	B.2.4-2	0
Piso 2	B125	493	4	B.2.4-2	3.3E-05	3.3E-05	B.2.4-2	0
Piso 2	B125	493	4.5	B.2.4-2	3.2E-05	3.2E-05	B.2.4-2	0
Piso 2	B125	493	4.5	B.2.4-2	3.2E-05	3.2E-05	B.2.4-2	0
Piso 2	B125	493	5	B.2.4-2	3.2E-05	3.2E-05	B.2.4-2	0
Piso 2	B125	493	5	B.2.4-2	3.2E-05	3.2E-05	B.2.4-2	0
Piso 2	B125	493	5.5	B.2.4-2	3.2E-05	3.2E-05	B.2.4-2	0
Piso 2	B125	493	5.5	B.2.4-2	3.1E-05	3.1E-05	B.2.4-2	0
Piso 2	B125	493	6	B.2.4-2	2.8E-05	2.8E-05	B.2.4-2	0
Piso 2	B133	890	0	B.2.4-2	4.4E-05	4.4E-05	B.2.4-2	0
Piso 2	B133	890	0.5	B.2.4-2	2.1E-05	2.1E-05	B.2.4-2	0
Piso 2	B133	890	0.5	B.2.4-2	2.1E-05	2.1E-05	B.2.4-2	0
Piso 2	B133	890	1	B.2.4-2	2.1E-05	2.1E-05	B.2.4-2	0
Piso 2	B133	890	1	B.2.4-2	2.1E-05	2.1E-05	B.2.4-2	0
Piso 2	B133	890	1.5	B.2.4-2	3.2E-05	3.2E-05	B.2.4-2	0
Piso 2	B133	890	1.5	B.2.4-2	3.2E-05	3.2E-05	B.2.4-2	0
Piso 2	B133	890	2	B.2.4-2	4.7E-05	4.7E-05	B.2.4-2	0
Piso 2	B133	890	2	B.2.4-2	4.7E-05	4.7E-05	B.2.4-2	0
Piso 2	B133	890	2.5	B.2.4-2	5.6E-05	5.6E-05	B.2.4-2	0
Piso 2	B133	890	2.5	B.2.4-2	5.5E-05	5.5E-05	B.2.4-2	0
Piso 2	B133	890	3	B.2.4-2	5.7E-05	5.7E-05	B.2.4-2	0
Piso 2	B133	890	3	B.2.4-2	5.6E-05	5.6E-05	B.2.4-2	0
Piso 2	B133	890	3.5	B.2.4-2	5E-05	5E-05	B.2.4-2	0
Piso 2	B133	890	3.5	B.2.4-2	5E-05	5E-05	B.2.4-2	0
Piso 2	B133	890	4	B.2.4-2	3.7E-05	3.7E-05	B.2.4-2	0
Piso 2	B133	890	4	B.2.4-2	3.7E-05	3.7E-05	B.2.4-2	0
Piso 2	B133	890	4.5	B.2.4-2	1.9E-05	1.9E-05	B.2.4-2	0
Piso 2	B133	890	4.5	B.2.4-2	1.8E-05	1.8E-05	B.2.4-2	0
Piso 2	B133	890	5	B.2.4-2	1.8E-05	1.8E-05	B.2.4-2	0
Piso 2	B133	890	5	B.2.4-2	1.7E-05	1.7E-05	B.2.4-2	0
Piso 2	B133	890	5.5	B.2.4-2	1.7E-05	1.7E-05	B.2.4-2	0
Piso 2	B133	890	5.5	B.2.4-2	1.6E-05	1.6E-05	B.2.4-2	0
Piso 2	B133	890	6	B.2.4-2	3.8E-05	3.8E-05	B.2.4-2	0
Piso 2	B134	902	0	B.2.4-2	5.2E-05	5.2E-05	B.2.4-2	0
Piso 2	B134	902	0.5	B.2.4-2	2.7E-05	2.7E-05	B.2.4-2	0
Piso 2	B134	902	0.5	B.2.4-2	2.8E-05	2.8E-05	B.2.4-2	0
Piso 2	B134	902	1	B.2.4-2	2.8E-05	2.8E-05	B.2.4-2	0
Piso 2	B134	902	1	B.2.4-2	2.9E-05	2.9E-05	B.2.4-2	0
Piso 2	B134	902	1.5	B.2.4-2	4.2E-05	4.2E-05	B.2.4-2	0
Piso 2	B134	902	1.5	B.2.4-2	4.3E-05	4.3E-05	B.2.4-2	0
Piso 2	B134	902	2	B.2.4-2	6.3E-05	6.3E-05	B.2.4-2	0
Piso 2	B134	902	2	B.2.4-2	6.4E-05	6.4E-05	B.2.4-2	0

Table: Concrete Beam Design Summary - ACI 318-08, Part 2 of 4

Story	Label	UniqueName	Station	AsBotCombo	AsMinBot	AsBot	VCombo	VRebar
Unitless	Unitless	Unitless	m	Unitless	m²	m²	Unitless	m²/m
Piso 2	B134	902	2.5	B.2.4-2	7.7E-05	7.7E-05	B.2.4-2	0
Piso 2	B134	902	2.5	B.2.4-2	7.8E-05	7.8E-05	B.2.4-2	0
Piso 2	B134	902	3	B.2.4-2	8.4E-05	8.4E-05	B.2.4-2	0
Piso 2	B134	902	3	B.2.4-2	8.5E-05	8.5E-05	B.2.4-2	0
Piso 2	B134	902	3.5	B.2.4-2	8.4E-05	8.4E-05	B.2.4-2	0
Piso 2	B134	902	3.5	B.2.4-2	8.5E-05	8.5E-05	B.2.4-2	0
Piso 2	B134	902	4	B.2.4-2	7.6E-05	7.6E-05	B.2.4-2	0
Piso 2	B134	902	4	B.2.4-2	7.8E-05	7.8E-05	B.2.4-2	0
Piso 2	B134	902	4.5	B.2.4-2	6.2E-05	6.2E-05	B.2.4-2	0
Piso 2	B134	902	4.5	B.2.4-2	6.4E-05	6.4E-05	B.2.4-2	0
Piso 2	B134	902	5	B.2.4-2	4.2E-05	4.2E-05	B.2.4-2	0
Piso 2	B134	902	5	B.2.4-2	4.5E-05	4.5E-05	B.2.4-2	0
Piso 2	B134	902	5.5	B.2.4-2	4.1E-05	4.1E-05	B.2.4-2	0
Piso 2	B134	902	5.5	B.2.4-2	4.6E-05	4.6E-05	B.2.4-2	0
Piso 2	B134	902	6	B.2.4-2	4.7E-05	4.7E-05	B.2.4-2	0
Piso 2	B375	606	0	B.2.4-2	5.5E-05	5.5E-05	B.2.4-2	0.0001
Piso 2	B375	606	0.44667	B.2.4-2	2.7E-05	2.7E-05	B.2.4-2	0
Piso 2	B375	606	0.89333	B.2.4-2	2.7E-05	2.7E-05	B.2.4-2	0
Piso 2	B375	606	1.34	B.2.4-2	5.8E-05	5.8E-05	B.2.4-2	0
Piso 2	B375	606	1.78667	B.2.4-2	7.6E-05	7.6E-05	B.2.4-2	0
Piso 2	B375	606	2.23333	B.2.4-2	8E-05	8E-05	B.2.4-2	0
Piso 2	B375	606	2.68	B.2.4-2	7E-05	7E-05	B.2.4-2	0
Piso 2	B375	606	3.12667	B.2.4-2	4.6E-05	4.6E-05	B.2.4-2	0
Piso 2	B375	606	3.57333	B.2.4-2	2.7E-05	2.7E-05	B.2.4-2	0
Piso 2	B375	606	4.02	B.2.4-2	3E-05	3E-05	B.2.4-2	0
Piso 2	B473	626	0	B.2.4-2	5.6E-05	5.6E-05	B.2.4-2	0.0001
Piso 2	B473	626	0.44667	B.2.4-2	2.8E-05	2.8E-05	B.2.4-2	0
Piso 2	B473	626	0.89333	B.2.4-2	2.8E-05	2.8E-05	B.2.4-2	0
Piso 2	B473	626	1.34	B.2.4-2	5.7E-05	5.7E-05	B.2.4-2	0
Piso 2	B473	626	1.78667	B.2.4-2	7.5E-05	7.5E-05	B.2.4-2	0
Piso 2	B473	626	2.23333	B.2.4-2	7.9E-05	7.9E-05	B.2.4-2	0
Piso 2	B473	626	2.68	B.2.4-2	6.9E-05	6.9E-05	B.2.4-2	0
Piso 2	B473	626	3.12667	B.2.4-2	4.5E-05	4.5E-05	B.2.4-2	0
Piso 2	B473	626	3.57333	B.2.4-2	2.8E-05	2.8E-05	B.2.4-2	0
Piso 2	B473	626	4.02	B.2.4-2	3.1E-05	3.1E-05	B.2.4-2	0
Piso 2	B197	513	0	B.2.4-2	5E-06	5E-06	B.2.4-2	0
Piso 2	B197	513	0.45	B.2.4-2	4.3E-05	4.3E-05	B.2.4-2	0
Piso 2	B197	513	0.9	B.2.4-2	6.6E-05	6.6E-05	B.2.4-2	0
Piso 2	B197	513	1.35	B.2.4-2	7.4E-05	7.4E-05	B.2.4-2	0
Piso 2	B197	513	1.8	B.2.4-2	6.6E-05	6.6E-05	B.2.4-2	0
Piso 2	B197	513	2.25	B.2.4-2	4.3E-05	4.3E-05	B.2.4-2	0
Piso 2	B197	513	2.7	B.2.4-2	5E-06	5E-06	B.2.4-2	0
Piso 2	B232	743	0	B.2.4-1	2.7E-05	2.7E-05	B.2.4-2	0
Piso 2	B232	743	0.45	B.2.4-2	3.7E-05	3.7E-05	B.2.4-2	0
Piso 2	B232	743	0.9	B.2.4-2	3.7E-05	3.7E-05	B.2.4-2	0
Piso 2	B232	743	1.35	B.2.4-2	3.7E-05	3.7E-05	B.2.4-2	0
Piso 2	B232	743	1.8	B.2.4-2	3.7E-05	3.7E-05	B.2.4-2	0
Piso 2	B232	743	2.25	B.2.4-2	3.7E-05	3.7E-05	B.2.4-2	0
Piso 2	B232	743	2.7	B.2.4-2	7.3E-05	7.3E-05	B.2.4-2	0.0001
Piso 2	B371	619	0	B.2.4-2	2E-06	2E-06	B.2.4-2	0
Piso 2	B371	619	0.47143	B.2.4-2	5.2E-05	5.2E-05	B.2.4-2	0
Piso 2	B371	619	0.94286	B.2.4-2	8.6E-05	8.6E-05	B.2.4-2	0
Piso 2	B371	619	1.41429	B.2.4-2	0.000103	0.000103	B.2.4-2	0

Table: Concrete Beam Design Summary - ACI 318-08, Part 2 of 4

Story	Label	UniqueName	Station	AsBotCombo	AsMinBot	AsBot	VCombo	VRebar
Unitless	Unitless	Unitless	m	Unitless	m²	m²	Unitless	m²/m
Piso 2	B371	619	1.88571	B.2.4-2	0.000103	0.000103	B.2.4-2	0
Piso 2	B371	619	2.35714	B.2.4-2	8.6E-05	8.6E-05	B.2.4-2	0
Piso 2	B371	619	2.82857	B.2.4-2	5.2E-05	5.2E-05	B.2.4-2	0
Piso 2	B371	619	3.3	B.2.4-2	2E-06	2E-06	B.2.4-2	0
Piso 2	B116	19	0	B.2.4-2	0.000134	0.000134	B.2.4-2	0.0001
Piso 2	B116	19	0.5	B.2.4-2	6.4E-05	6.4E-05	B.2.4-2	0.0001
Piso 2	B116	19	1	B.2.4-2	6.5E-05	6.5E-05	B.2.4-2	0.0001
Piso 2	B116	19	1.5	B.2.4-2	0.000133	0.000133	B.2.4-2	0
Piso 2	B116	19	2	B.2.4-2	0.000183	0.000183	B.2.4-2	0
Piso 2	B116	19	2.5	B.2.4-2	0.000185	0.000185	B.2.4-2	0
Piso 2	B116	19	3	B.2.4-2	0.000185	0.000185	B.2.4-2	0
Piso 2	B116	19	3.5	B.2.4-2	0.000185	0.000185	B.2.4-2	0
Piso 2	B116	19	4	B.2.4-2	0.000184	0.000184	B.2.4-2	0
Piso 2	B116	19	4.5	B.2.4-2	0.000135	0.000135	B.2.4-2	0
Piso 2	B116	19	5	B.2.4-2	6.8E-05	6.8E-05	B.2.4-2	0.0001
Piso 2	B116	19	5.5	B.2.4-2	6.4E-05	6.4E-05	B.2.4-2	0.0001
Piso 2	B116	19	6	B.2.4-2	0.000129	0.000129	B.2.4-2	0.0001
Piso 2	B117	23	0	B.2.4-2	9.5E-05	9.5E-05	B.2.4-2	0.0001
Piso 2	B117	23	0.5	B.2.4-2	4.5E-05	4.5E-05	B.2.4-2	0.0001
Piso 2	B117	23	1	B.2.4-2	4.5E-05	4.5E-05	B.2.4-2	0
Piso 2	B117	23	1.5	B.2.4-2	9.1E-05	9.1E-05	B.2.4-2	0
Piso 2	B117	23	2	B.2.4-2	0.000125	0.000125	B.2.4-2	0
Piso 2	B117	23	2.5	B.2.4-2	0.000145	0.000145	B.2.4-2	0
Piso 2	B117	23	3	B.2.4-2	0.00015	0.00015	B.2.4-2	0
Piso 2	B117	23	3.5	B.2.4-2	0.000142	0.000142	B.2.4-2	0
Piso 2	B117	23	4	B.2.4-2	0.00012	0.00012	B.2.4-2	0
Piso 2	B117	23	4.5	B.2.4-2	8.5E-05	8.5E-05	B.2.4-2	0
Piso 2	B117	23	5	B.2.4-2	4.5E-05	4.5E-05	B.2.4-2	0
Piso 2	B117	23	5.5	B.2.4-2	4.5E-05	4.5E-05	B.2.4-2	0.0001
Piso 2	B117	23	6	B.2.4-2	8.7E-05	8.7E-05	B.2.4-2	0.0001
Piso 2	B120	30	0	B.2.4-2	7.5E-05	7.5E-05	B.2.4-2	0.0001
Piso 2	B120	30	0.5	B.2.4-2	7E-05	7E-05	B.2.4-2	0.0001
Piso 2	B120	30	1	B.2.4-2	0.000113	0.000113	B.2.4-2	0.0001
Piso 2	B120	30	1.5	B.2.4-2	0.000176	0.000176	B.2.4-2	0
Piso 2	B120	30	2	B.2.4-2	0.000185	0.000185	B.2.4-2	0
Piso 2	B120	30	2.5	B.2.4-2	0.000185	0.000185	B.2.4-2	0
Piso 2	B120	30	3	B.2.4-2	0.000185	0.000187	B.2.4-2	0
Piso 2	B120	30	3.5	B.2.4-2	0.000185	0.000185	B.2.4-2	0
Piso 2	B120	30	4	B.2.4-2	0.000185	0.000185	B.2.4-2	0
Piso 2	B120	30	4.5	B.2.4-2	0.000144	0.000144	B.2.4-2	0.0001
Piso 2	B120	30	5	B.2.4-2	7.1E-05	7.1E-05	B.2.4-2	0.0001
Piso 2	B120	30	5.5	B.2.4-2	7E-05	7E-05	B.2.4-2	0.0001
Piso 2	B120	30	6	B.2.4-2	0.000143	0.000143	B.2.4-2	0.0001
Piso 2	B123	31	0	B.2.4-2	6.3E-05	6.3E-05	B.2.4-2	0.0001
Piso 2	B123	31	0.5	B.2.4-2	5.3E-05	5.3E-05	B.2.4-2	0.0001
Piso 2	B123	31	1	B.2.4-2	9.2E-05	9.2E-05	B.2.4-2	0
Piso 2	B123	31	1.5	B.2.4-2	0.000146	0.000146	B.2.4-2	0
Piso 2	B123	31	2	B.2.4-2	0.000183	0.000183	B.2.4-2	0
Piso 2	B123	31	2.5	B.2.4-2	0.000185	0.000185	B.2.4-2	0
Piso 2	B123	31	3	B.2.4-2	0.000185	0.000185	B.2.4-2	0
Piso 2	B123	31	3.5	B.2.4-2	0.000185	0.000185	B.2.4-2	0
Piso 2	B123	31	4	B.2.4-2	0.000165	0.000165	B.2.4-2	0
Piso 2	B123	31	4.5	B.2.4-2	0.00012	0.00012	B.2.4-2	0

Table: Concrete Beam Design Summary - ACI 318-08, Part 2 of 4

Story	Label	UniqueName	Station	AsBotCombo	AsMinBot	AsBot	VCombo	VRebar
Unitless	Unitless	Unitless	m	Unitless	m²	m²	Unitless	m²/m
Piso 2	B123	31	5	B.2.4-2	6E-05	6E-05	B.2.4-2	0.0001
Piso 2	B123	31	5.5	B.2.4-2	5.3E-05	5.3E-05	B.2.4-2	0.0001
Piso 2	B123	31	6	B.2.4-2	0.000111	0.000111	B.2.4-2	0.0001
Piso 2	B604	50	0	B.2.4-2	0.000142	0.000142	B.2.4-2	0.0001
Piso 2	B604	50	0.5	B.2.4-2	6.9E-05	6.9E-05	B.2.4-2	0.0001
Piso 2	B604	50	1	B.2.4-2	6.9E-05	6.9E-05	B.2.4-2	0.0001
Piso 2	B604	50	1.5	B.2.4-2	0.000141	0.000141	B.2.4-2	0.0001
Piso 2	B604	50	2	B.2.4-2	0.000185	0.000185	B.2.4-2	0
Piso 2	B604	50	2.5	B.2.4-2	0.000185	0.000185	B.2.4-2	0
Piso 2	B604	50	3	B.2.4-2	0.000185	0.000185	B.2.4-2	0
Piso 2	B604	50	3.5	B.2.4-2	0.000185	0.000185	B.2.4-2	0
Piso 2	B604	50	4	B.2.4-2	0.000185	0.000185	B.2.4-2	0
Piso 2	B604	50	4.5	B.2.4-2	0.000166	0.000166	B.2.4-2	0
Piso 2	B604	50	5	B.2.4-2	0.000104	0.000104	B.2.4-2	0.0001
Piso 2	B604	50	5.5	B.2.4-2	6.9E-05	6.9E-05	B.2.4-2	0.0001
Piso 2	B604	50	6	B.2.4-2	7.9E-05	7.9E-05	B.2.4-2	0.0001
Piso 2	B729	750	0	B.2.4-2	5E-06	5E-06	B.2.4-2	0.0001
Piso 2	B729	750	0.5	B.2.4-2	0.000134	0.000134	B.2.4-2	0.0001
Piso 2	B729	750	1	B.2.4-2	0.000185	0.000185	B.2.4-2	0.0001
Piso 2	B729	750	1.5	B.2.4-2	0.000185	0.000247	B.2.4-2	0
Piso 2	B729	750	2	B.2.4-2	0.000185	0.000294	B.2.4-2	0
Piso 2	B729	750	2.5	B.2.4-2	0.000185	0.000322	B.2.4-2	0
Piso 2	B729	750	3	B.2.4-2	0.000185	0.000332	B.2.4-2	0
Piso 2	B729	750	3.5	B.2.4-2	0.000185	0.000322	B.2.4-2	0
Piso 2	B729	750	4	B.2.4-2	0.000185	0.000294	B.2.4-2	0
Piso 2	B729	750	4.5	B.2.4-2	0.000185	0.000247	B.2.4-2	0
Piso 2	B729	750	5	B.2.4-2	0.000185	0.000185	B.2.4-2	0.0001
Piso 2	B729	750	5.5	B.2.4-2	0.000134	0.000134	B.2.4-2	0.0001
Piso 2	B729	750	6	B.2.4-2	5E-06	5E-06	B.2.4-2	0.0001
Piso 2	B731	603	0	B.2.4-2	0.000117	0.000117	B.2.4-2	0.0001
Piso 2	B731	603	0.5	B.2.4-2	6E-05	6E-05	B.2.4-2	0.0001
Piso 2	B731	603	0.5	B.2.4-2	6E-05	6E-05	B.2.4-2	0.0001
Piso 2	B731	603	1	B.2.4-2	6E-05	6E-05	B.2.4-2	0
Piso 2	B731	603	1	B.2.4-2	6E-05	6E-05	B.2.4-2	0
Piso 2	B731	603	1.5	B.2.4-2	6E-05	6E-05	B.2.4-2	0
Piso 2	B731	603	1.5	B.2.4-2	6E-05	6E-05	B.2.4-2	0
Piso 2	B731	603	2	B.2.4-2	6E-05	6E-05	B.2.4-2	0
Piso 2	B731	603	2	B.2.4-2	6E-05	6E-05	B.2.4-2	0
Piso 2	B731	603	2.5	B.2.4-2	6.4E-05	6.4E-05	B.2.4-2	0
Piso 2	B731	603	2.5	B.2.4-2	6.4E-05	6.4E-05	B.2.4-2	0
Piso 2	B731	603	3	B.2.4-2	8.1E-05	8.1E-05	B.2.4-2	0
Piso 2	B731	603	3	B.2.4-2	8E-05	8E-05	B.2.4-2	0
Piso 2	B731	603	3.5	B.2.4-2	8.7E-05	8.7E-05	B.2.4-2	0
Piso 2	B731	603	3.5	B.2.4-2	8.7E-05	8.7E-05	B.2.4-2	0
Piso 2	B731	603	4	B.2.4-2	8.3E-05	8.3E-05	B.2.4-2	0
Piso 2	B731	603	4	B.2.4-2	8.3E-05	8.3E-05	B.2.4-2	0
Piso 2	B731	603	4.5	B.2.4-2	7E-05	7E-05	B.2.4-2	0
Piso 2	B731	603	4.5	B.2.4-2	7E-05	7E-05	B.2.4-2	0
Piso 2	B731	603	5	B.2.4-2	5.9E-05	5.9E-05	B.2.4-2	0
Piso 2	B731	603	5	B.2.4-2	5.9E-05	5.9E-05	B.2.4-2	0
Piso 2	B731	603	5.5	B.2.4-2	5.9E-05	5.9E-05	B.2.4-2	0
Piso 2	B731	603	5.5	B.2.4-2	6E-05	6E-05	B.2.4-2	0
Piso 2	B731	603	6	B.2.4-2	1.9E-05	1.9E-05	B.2.4-2	0

Table: Concrete Beam Design Summary - ACI 318-08, Part 2 of 4

Story	Label	UniqueName	Station	AsBotCombo	AsMinBot	AsBot	VCombo	VRebar
Unitless	Unitless	Unitless	m	Unitless	m²	m²	Unitless	m²/m
Piso 2	B740	604	0	B.2.4-2	6.1E-05	6.1E-05	B.2.4-2	0
Piso 2	B740	604	0.5	B.2.4-2	3.4E-05	3.4E-05	B.2.4-2	0
Piso 2	B740	604	0.5	B.2.4-2	3.4E-05	3.4E-05	B.2.4-2	0
Piso 2	B740	604	1	B.2.4-2	3.4E-05	3.4E-05	B.2.4-2	0
Piso 2	B740	604	1	B.2.4-2	3.4E-05	3.4E-05	B.2.4-2	0
Piso 2	B740	604	1.5	B.2.4-2	6.1E-05	6.1E-05	B.2.4-2	0
Piso 2	B740	604	1.5	B.2.4-2	6.1E-05	6.1E-05	B.2.4-2	0
Piso 2	B740	604	2	B.2.4-2	8.1E-05	8.1E-05	B.2.4-2	0
Piso 2	B740	604	2	B.2.4-2	8.1E-05	8.1E-05	B.2.4-2	0
Piso 2	B740	604	2.5	B.2.4-2	9.1E-05	9.1E-05	B.2.4-2	0
Piso 2	B740	604	2.5	B.2.4-2	9.1E-05	9.1E-05	B.2.4-2	0
Piso 2	B740	604	3	B.2.4-2	9.2E-05	9.2E-05	B.2.4-2	0
Piso 2	B740	604	3	B.2.4-2	9.2E-05	9.2E-05	B.2.4-2	0
Piso 2	B740	604	3.5	B.2.4-2	8.2E-05	8.2E-05	B.2.4-2	0
Piso 2	B740	604	3.5	B.2.4-2	8.2E-05	8.2E-05	B.2.4-2	0
Piso 2	B740	604	4	B.2.4-2	6.3E-05	6.3E-05	B.2.4-2	0
Piso 2	B740	604	4	B.2.4-2	6.3E-05	6.3E-05	B.2.4-2	0
Piso 2	B740	604	4.5	B.2.4-2	3.4E-05	3.4E-05	B.2.4-2	0
Piso 2	B740	604	4.5	B.2.4-2	3.4E-05	3.4E-05	B.2.4-2	0
Piso 2	B740	604	5	B.2.4-2	3.4E-05	3.4E-05	B.2.4-2	0
Piso 2	B740	604	5	B.2.4-2	3.4E-05	3.4E-05	B.2.4-2	0
Piso 2	B740	604	5.5	B.2.4-2	3.4E-05	3.4E-05	B.2.4-2	0
Piso 2	B740	604	5.5	B.2.4-2	3.5E-05	3.5E-05	B.2.4-2	0
Piso 2	B740	604	6	B.2.4-2	6.7E-05	6.7E-05	B.2.4-2	0
Piso 2	B741	658	0	B.2.4-2	7E-05	7E-05	B.2.4-2	0
Piso 2	B741	658	0.5	B.2.4-2	3.6E-05	3.6E-05	B.2.4-2	0
Piso 2	B741	658	0.5	B.2.4-2	3.6E-05	3.6E-05	B.2.4-2	0
Piso 2	B741	658	1	B.2.4-2	3.6E-05	3.6E-05	B.2.4-2	0
Piso 2	B741	658	1	B.2.4-2	3.6E-05	3.6E-05	B.2.4-2	0
Piso 2	B741	658	1.5	B.2.4-2	5E-05	5E-05	B.2.4-2	0
Piso 2	B741	658	1.5	B.2.4-2	5E-05	5E-05	B.2.4-2	0
Piso 2	B741	658	2	B.2.4-2	7.3E-05	7.3E-05	B.2.4-2	0
Piso 2	B741	658	2	B.2.4-2	7.3E-05	7.3E-05	B.2.4-2	0
Piso 2	B741	658	2.5	B.2.4-2	8.6E-05	8.6E-05	B.2.4-2	0
Piso 2	B741	658	2.5	B.2.4-2	8.6E-05	8.6E-05	B.2.4-2	0
Piso 2	B741	658	3	B.2.4-2	8.9E-05	8.9E-05	B.2.4-2	0
Piso 2	B741	658	3	B.2.4-2	8.9E-05	8.9E-05	B.2.4-2	0
Piso 2	B741	658	3.5	B.2.4-2	8.2E-05	8.2E-05	B.2.4-2	0
Piso 2	B741	658	3.5	B.2.4-2	8.2E-05	8.2E-05	B.2.4-2	0
Piso 2	B741	658	4	B.2.4-2	6.5E-05	6.5E-05	B.2.4-2	0
Piso 2	B741	658	4	B.2.4-2	6.5E-05	6.5E-05	B.2.4-2	0
Piso 2	B741	658	4.5	B.2.4-2	3.8E-05	3.8E-05	B.2.4-2	0
Piso 2	B741	658	4.5	B.2.4-2	3.7E-05	3.7E-05	B.2.4-2	0
Piso 2	B741	658	5	B.2.4-2	3.5E-05	3.5E-05	B.2.4-2	0
Piso 2	B741	658	5	B.2.4-2	3.4E-05	3.4E-05	B.2.4-2	0
Piso 2	B741	658	5.5	B.2.4-2	3.4E-05	3.4E-05	B.2.4-2	0
Piso 2	B741	658	5.5	B.2.4-2	3.3E-05	3.3E-05	B.2.4-2	0
Piso 2	B741	658	6	B.2.4-2	5.1E-05	5.1E-05	B.2.4-2	0

Table: Concrete Beam Design Summary - ACI 318-08, Part 3 of 4

Table: Concrete Beam Design Summary - ACI 318-08, Part 3 of 4

Story	Label	UniqueName	Station	TLngCombo	TLngRebar	TTrnCombo	TTrnRebar	WarnMsg
Unitless	Unitless	Unitless	m	Unitless	m²	Unitless	m²/m	Unitless
Piso 2	B213	1160	0	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B213	1160	0.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B213	1160	1	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B213	1160	1.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B213	1160	2	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B213	1160	2.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B213	1160	3	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B213	1160	3.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B213	1160	4	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B213	1160	4.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B213	1160	5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B213	1160	5.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B213	1160	6	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B218	1165	0	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B218	1165	0.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B218	1165	1	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B218	1165	1.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B218	1165	2	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B218	1165	2.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B218	1165	3	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B218	1165	3.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B218	1165	4	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B218	1165	4.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B218	1165	5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B218	1165	5.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B218	1165	6	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B223	1170	0	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B223	1170	0.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B223	1170	1	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B223	1170	1.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B223	1170	2	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B223	1170	2.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B223	1170	3	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B223	1170	3.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B223	1170	4	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B223	1170	4.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B223	1170	5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B223	1170	5.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B223	1170	6	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B228	1175	0	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B228	1175	0.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B228	1175	1	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B228	1175	1.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B228	1175	2	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B228	1175	2.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B228	1175	3	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B228	1175	3.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B228	1175	4	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B228	1175	4.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B228	1175	5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B228	1175	5.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B228	1175	6	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B235	1180	0	B.2.4-2	0	B.2.4-2	0	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 3 of 4

Story	Label	UniqueName	Station	TLngCombo	TLngRebar	TTrnCombo	TTrnRebar	WarnMsg
Unitless	Unitless	Unitless	m	Unitless	m²	Unitless	m²/m	Unitless
Piso 2	B235	1180	0.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B235	1180	1	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B235	1180	1.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B235	1180	2	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B235	1180	2.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B235	1180	3	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B235	1180	3.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B235	1180	4	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B235	1180	4.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B235	1180	5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B235	1180	5.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B235	1180	6	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B246	1190	0	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B246	1190	0.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B246	1190	1	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B246	1190	1.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B246	1190	2	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B246	1190	2.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B246	1190	3	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B246	1190	3.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B246	1190	4	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B246	1190	4.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B246	1190	5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B246	1190	5.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B246	1190	6	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B253	1195	0	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B253	1195	0.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B253	1195	1	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B253	1195	1.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B253	1195	2	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B253	1195	2.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B253	1195	3	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B253	1195	3.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B253	1195	4	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B253	1195	4.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B253	1195	5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B253	1195	5.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B253	1195	6	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B258	1200	0	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B258	1200	0.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B258	1200	1	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B258	1200	1.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B258	1200	2	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B258	1200	2.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B258	1200	3	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B258	1200	3.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B258	1200	4	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B258	1200	4.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B258	1200	5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B258	1200	5.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B258	1200	6	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B263	1205	0	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B263	1205	0.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B263	1205	1	B.2.4-2	0	B.2.4-2	0	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 3 of 4

Story	Label	UniqueName	Station	TLngCombo	TLngRebar	TTrnCombo	TTrnRebar	WarnMsg
Unitless	Unitless	Unitless	m	Unitless	m²	Unitless	m²/m	Unitless
Piso 2	B263	1205	1.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B263	1205	2	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B263	1205	2.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B263	1205	3	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B263	1205	3.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B263	1205	4	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B263	1205	4.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B263	1205	5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B263	1205	5.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B263	1205	6	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B269	1210	0	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B269	1210	0.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B269	1210	1	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B269	1210	1.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B269	1210	2	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B269	1210	2.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B269	1210	3	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B269	1210	3.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B269	1210	4	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B269	1210	4.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B269	1210	5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B269	1210	5.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B269	1210	6	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B274	1215	0	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B274	1215	0.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B274	1215	1	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B274	1215	1.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B274	1215	2	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B274	1215	2.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B274	1215	3	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B274	1215	3.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B274	1215	4	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B274	1215	4.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B274	1215	5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B274	1215	5.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B274	1215	6	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B279	1220	0	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B279	1220	0.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B279	1220	1	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B279	1220	1.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B279	1220	2	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B279	1220	2.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B279	1220	3	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B279	1220	3.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B279	1220	4	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B279	1220	4.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B279	1220	5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B279	1220	5.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B279	1220	6	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B332	1225	0	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B332	1225	0.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B332	1225	1	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B332	1225	1.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B332	1225	2	B.2.4-2	0	B.2.4-2	0	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 3 of 4

Story	Label	UniqueName	Station	TLngCombo	TLngRebar	TTrnCombo	TTrnRebar	WarnMsg
Unitless	Unitless	Unitless	m	Unitless	m²	Unitless	m²/m	Unitless
Piso 2	B332	1225	2.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B332	1225	3	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B332	1225	3.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B332	1225	4	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B332	1225	4.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B332	1225	5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B332	1225	5.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B332	1225	6	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B552	1230	0	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B552	1230	0.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B552	1230	1	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B552	1230	1.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B552	1230	2	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B552	1230	2.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B552	1230	3	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B552	1230	3.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B552	1230	4	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B552	1230	4.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B552	1230	5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B552	1230	5.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B552	1230	6	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B557	1235	0	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B557	1235	0.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B557	1235	1	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B557	1235	1.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B557	1235	2	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B557	1235	2.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B557	1235	3	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B557	1235	3.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B557	1235	4	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B557	1235	4.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B557	1235	5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B557	1235	5.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B557	1235	6	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B562	1240	0	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B562	1240	0.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B562	1240	1	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B562	1240	1.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B562	1240	2	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B562	1240	2.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B562	1240	3	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B562	1240	3.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B562	1240	4	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B562	1240	4.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B562	1240	5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B562	1240	5.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B562	1240	6	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B680	1358	0	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B680	1358	0.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B680	1358	1	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B680	1358	1.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B680	1358	2	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B680	1358	2.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B680	1358	3	B.2.4-2	0	B.2.4-2	0	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 3 of 4

Story	Label	UniqueName	Station	TLngCombo	TLngRebar	TTrnCombo	TTrnRebar	WarnMsg
Unitless	Unitless	Unitless	m	Unitless	m²	Unitless	m²/m	Unitless
Piso 2	B680	1358	3.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B680	1358	4	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B680	1358	4.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B680	1358	5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B680	1358	5.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B680	1358	6	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B686	1364	0	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B686	1364	0.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B686	1364	1	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B686	1364	1.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B686	1364	2	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B686	1364	2.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B686	1364	3	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B686	1364	3.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B686	1364	4	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B686	1364	4.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B686	1364	5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B686	1364	5.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B686	1364	6	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B710	1388	0	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B710	1388	0.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B710	1388	1	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B710	1388	1.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B710	1388	2	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B710	1388	2.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B710	1388	3	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B710	1388	3.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B710	1388	4	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B710	1388	4.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B710	1388	5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B710	1388	5.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B710	1388	6	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B716	1394	0	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B716	1394	0.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B716	1394	1	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B716	1394	1.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B716	1394	2	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B716	1394	2.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B716	1394	3	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B716	1394	3.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B716	1394	4	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B716	1394	4.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B716	1394	5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B716	1394	5.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B716	1394	6	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B125	493	0	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B125	493	0.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B125	493	0.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B125	493	1	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B125	493	1	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B125	493	1.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B125	493	1.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B125	493	2	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B125	493	2	B.2.4-2	0	B.2.4-2	0	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 3 of 4

Story	Label	UniqueName	Station	TLngCombo	TLngRebar	TTrnCombo	TTrnRebar	WarnMsg
Unitless	Unitless	Unitless	m	Unitless	m²	Unitless	m²/m	Unitless
Piso 2	B125	493	2.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B125	493	2.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B125	493	3	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B125	493	3	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B125	493	3.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B125	493	3.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B125	493	4	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B125	493	4	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B125	493	4.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B125	493	4.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B125	493	5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B125	493	5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B125	493	5.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B125	493	5.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B125	493	6	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B133	890	0	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B133	890	0.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B133	890	0.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B133	890	1	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B133	890	1	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B133	890	1.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B133	890	1.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B133	890	2	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B133	890	2	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B133	890	2.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B133	890	2.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B133	890	3	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B133	890	3	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B133	890	3.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B133	890	3.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B133	890	4	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B133	890	4	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B133	890	4.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B133	890	4.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B133	890	5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B133	890	5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B133	890	5.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B133	890	5.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B133	890	6	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B134	902	0	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B134	902	0.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B134	902	0.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B134	902	1	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B134	902	1	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B134	902	1.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B134	902	1.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B134	902	2	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B134	902	2	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B134	902	2.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B134	902	2.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B134	902	3	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B134	902	3	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B134	902	3.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B134	902	3.5	B.2.4-2	0	B.2.4-2	0	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 3 of 4

Story	Label	UniqueName	Station	TLngCombo	TLngRebar	TTrnCombo	TTrnRebar	WarnMsg
Unitless	Unitless	Unitless	m	Unitless	m²	Unitless	m²/m	Unitless
Piso 2	B134	902	4	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B134	902	4	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B134	902	4.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B134	902	4.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B134	902	5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B134	902	5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B134	902	5.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B134	902	5.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B134	902	6	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B375	606	0	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B375	606	0.44667	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B375	606	0.89333	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B375	606	1.34	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B375	606	1.78667	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B375	606	2.23333	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B375	606	2.68	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B375	606	3.12667	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B375	606	3.57333	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B375	606	4.02	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B473	626	0	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B473	626	0.44667	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B473	626	0.89333	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B473	626	1.34	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B473	626	1.78667	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B473	626	2.23333	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B473	626	2.68	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B473	626	3.12667	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B473	626	3.57333	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B473	626	4.02	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B197	513	0	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B197	513	0.45	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B197	513	0.9	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B197	513	1.35	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B197	513	1.8	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B197	513	2.25	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B197	513	2.7	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B232	743	0	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B232	743	0.45	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B232	743	0.9	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B232	743	1.35	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B232	743	1.8	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B232	743	2.25	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B232	743	2.7	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B371	619	0	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B371	619	0.47143	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B371	619	0.94286	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B371	619	1.41429	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B371	619	1.88571	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B371	619	2.35714	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B371	619	2.82857	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B371	619	3.3	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B116	19	0	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B116	19	0.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B116	19	1	B.2.4-2	0	B.2.4-2	0	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 3 of 4

Story	Label	UniqueName	Station	TLngCombo	TLngRebar	TTrnCombo	TTrnRebar	WarnMsg
Unitless	Unitless	Unitless	m	Unitless	m²	Unitless	m²/m	Unitless
Piso 2	B116	19	1.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B116	19	2	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B116	19	2.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B116	19	3	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B116	19	3.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B116	19	4	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B116	19	4.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B116	19	5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B116	19	5.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B116	19	6	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B117	23	0	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B117	23	0.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B117	23	1	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B117	23	1.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B117	23	2	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B117	23	2.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B117	23	3	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B117	23	3.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B117	23	4	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B117	23	4.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B117	23	5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B117	23	5.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B117	23	6	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B120	30	0	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B120	30	0.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B120	30	1	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B120	30	1.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B120	30	2	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B120	30	2.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B120	30	3	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B120	30	3.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B120	30	4	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B120	30	4.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B120	30	5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B120	30	5.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B120	30	6	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B123	31	0	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B123	31	0.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B123	31	1	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B123	31	1.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B123	31	2	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B123	31	2.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B123	31	3	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B123	31	3.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B123	31	4	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B123	31	4.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B123	31	5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B123	31	5.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B123	31	6	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B604	50	0	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B604	50	0.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B604	50	1	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B604	50	1.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B604	50	2	B.2.4-2	0	B.2.4-2	0	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 3 of 4

Story	Label	UniqueName	Station	TLngCombo	TLngRebar	TTrnCombo	TTrnRebar	WarnMsg
Unitless	Unitless	Unitless	m	Unitless	m²	Unitless	m²/m	Unitless
Piso 2	B604	50	2.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B604	50	3	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B604	50	3.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B604	50	4	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B604	50	4.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B604	50	5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B604	50	5.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B604	50	6	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B729	750	0	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B729	750	0.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B729	750	1	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B729	750	1.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B729	750	2	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B729	750	2.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B729	750	3	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B729	750	3.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B729	750	4	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B729	750	4.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B729	750	5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B729	750	5.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B729	750	6	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B731	603	0	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B731	603	0.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B731	603	0.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B731	603	1	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B731	603	1	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B731	603	1.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B731	603	1.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B731	603	2	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B731	603	2	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B731	603	2.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B731	603	2.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B731	603	3	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B731	603	3	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B731	603	3.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B731	603	3.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B731	603	4	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B731	603	4	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B731	603	4.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B731	603	4.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B731	603	5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B731	603	5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B731	603	5.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B731	603	5.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B731	603	6	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B740	604	0	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B740	604	0.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B740	604	0.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B740	604	1	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B740	604	1	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B740	604	1.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B740	604	1.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B740	604	2	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B740	604	2	B.2.4-2	0	B.2.4-2	0	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 3 of 4

Story	Label	UniqueName	Station	TLngCombo	TLngRebar	TTrnCombo	TTrnRebar	WarnMsg
Unitless	Unitless	Unitless	m	Unitless	m²	Unitless	m²/m	Unitless
Piso 2	B740	604	2.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B740	604	2.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B740	604	3	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B740	604	3	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B740	604	3.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B740	604	3.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B740	604	4	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B740	604	4	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B740	604	4.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B740	604	4.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B740	604	5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B740	604	5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B740	604	5.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B740	604	5.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B740	604	6	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B741	658	0	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B741	658	0.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B741	658	0.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B741	658	1	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B741	658	1	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B741	658	1.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B741	658	1.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B741	658	2	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B741	658	2	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B741	658	2.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B741	658	2.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B741	658	3	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B741	658	3	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B741	658	3.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B741	658	3.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B741	658	4	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B741	658	4	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B741	658	4.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B741	658	4.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B741	658	5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B741	658	5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B741	658	5.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B741	658	5.5	B.2.4-2	0	B.2.4-2	0	No Message
Piso 2	B741	658	6	B.2.4-2	0	B.2.4-2	0	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 4 of 4

Table: Concrete Beam Design Summary - ACI 318-08, Part 4 of 4

Story	Label	UniqueName	Station	ErrMsg
Unitless	Unitless	Unitless	m	Unitless
Piso 2	B213	1160	0	No Message
Piso 2	B213	1160	0.5	No Message
Piso 2	B213	1160	1	No Message
Piso 2	B213	1160	1.5	No Message
Piso 2	B213	1160	2	No Message
Piso 2	B213	1160	2.5	No Message
Piso 2	B213	1160	3	No Message
Piso 2	B213	1160	3.5	No Message
Piso 2	B213	1160	4	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 4 of 4

Story	Label	UniqueName	Station	ErrMsg
Unitless	Unitless	Unitless	m	Unitless
Piso 2	B213	1160	4.5	No Message
Piso 2	B213	1160	5	No Message
Piso 2	B213	1160	5.5	No Message
Piso 2	B213	1160	6	No Message
Piso 2	B218	1165	0	No Message
Piso 2	B218	1165	0.5	No Message
Piso 2	B218	1165	1	No Message
Piso 2	B218	1165	1.5	No Message
Piso 2	B218	1165	2	No Message
Piso 2	B218	1165	2.5	No Message
Piso 2	B218	1165	3	No Message
Piso 2	B218	1165	3.5	No Message
Piso 2	B218	1165	4	No Message
Piso 2	B218	1165	4.5	No Message
Piso 2	B218	1165	5	No Message
Piso 2	B218	1165	5.5	No Message
Piso 2	B218	1165	6	No Message
Piso 2	B223	1170	0	No Message
Piso 2	B223	1170	0.5	No Message
Piso 2	B223	1170	1	No Message
Piso 2	B223	1170	1.5	No Message
Piso 2	B223	1170	2	No Message
Piso 2	B223	1170	2.5	No Message
Piso 2	B223	1170	3	No Message
Piso 2	B223	1170	3.5	No Message
Piso 2	B223	1170	4	No Message
Piso 2	B223	1170	4.5	No Message
Piso 2	B223	1170	5	No Message
Piso 2	B223	1170	5.5	No Message
Piso 2	B223	1170	6	No Message
Piso 2	B228	1175	0	No Message
Piso 2	B228	1175	0.5	No Message
Piso 2	B228	1175	1	No Message
Piso 2	B228	1175	1.5	No Message
Piso 2	B228	1175	2	No Message
Piso 2	B228	1175	2.5	No Message
Piso 2	B228	1175	3	No Message
Piso 2	B228	1175	3.5	No Message
Piso 2	B228	1175	4	No Message
Piso 2	B228	1175	4.5	No Message
Piso 2	B228	1175	5	No Message
Piso 2	B228	1175	5.5	No Message
Piso 2	B228	1175	6	No Message
Piso 2	B235	1180	0	No Message
Piso 2	B235	1180	0.5	No Message
Piso 2	B235	1180	1	No Message
Piso 2	B235	1180	1.5	No Message
Piso 2	B235	1180	2	No Message
Piso 2	B235	1180	2.5	No Message
Piso 2	B235	1180	3	No Message
Piso 2	B235	1180	3.5	No Message
Piso 2	B235	1180	4	No Message
Piso 2	B235	1180	4.5	No Message
Piso 2	B235	1180	5	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 4 of 4

Story	Label	UniqueName	Station	ErrMsg
Unitless	Unitless	Unitless	m	Unitless
Piso 2	B235	1180	5.5	No Message
Piso 2	B235	1180	6	No Message
Piso 2	B246	1190	0	No Message
Piso 2	B246	1190	0.5	No Message
Piso 2	B246	1190	1	No Message
Piso 2	B246	1190	1.5	No Message
Piso 2	B246	1190	2	No Message
Piso 2	B246	1190	2.5	No Message
Piso 2	B246	1190	3	No Message
Piso 2	B246	1190	3.5	No Message
Piso 2	B246	1190	4	No Message
Piso 2	B246	1190	4.5	No Message
Piso 2	B246	1190	5	No Message
Piso 2	B246	1190	5.5	No Message
Piso 2	B246	1190	6	No Message
Piso 2	B253	1195	0	No Message
Piso 2	B253	1195	0.5	No Message
Piso 2	B253	1195	1	No Message
Piso 2	B253	1195	1.5	No Message
Piso 2	B253	1195	2	No Message
Piso 2	B253	1195	2.5	No Message
Piso 2	B253	1195	3	No Message
Piso 2	B253	1195	3.5	No Message
Piso 2	B253	1195	4	No Message
Piso 2	B253	1195	4.5	No Message
Piso 2	B253	1195	5	No Message
Piso 2	B253	1195	5.5	No Message
Piso 2	B253	1195	6	No Message
Piso 2	B258	1200	0	No Message
Piso 2	B258	1200	0.5	No Message
Piso 2	B258	1200	1	No Message
Piso 2	B258	1200	1.5	No Message
Piso 2	B258	1200	2	No Message
Piso 2	B258	1200	2.5	No Message
Piso 2	B258	1200	3	No Message
Piso 2	B258	1200	3.5	No Message
Piso 2	B258	1200	4	No Message
Piso 2	B258	1200	4.5	No Message
Piso 2	B258	1200	5	No Message
Piso 2	B258	1200	5.5	No Message
Piso 2	B258	1200	6	No Message
Piso 2	B263	1205	0	No Message
Piso 2	B263	1205	0.5	No Message
Piso 2	B263	1205	1	No Message
Piso 2	B263	1205	1.5	No Message
Piso 2	B263	1205	2	No Message
Piso 2	B263	1205	2.5	No Message
Piso 2	B263	1205	3	No Message
Piso 2	B263	1205	3.5	No Message
Piso 2	B263	1205	4	No Message
Piso 2	B263	1205	4.5	No Message
Piso 2	B263	1205	5	No Message
Piso 2	B263	1205	5.5	No Message
Piso 2	B263	1205	6	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 4 of 4

Story	Label	UniqueName	Station	ErrMsg
Unitless	Unitless	Unitless	m	Unitless
Piso 2	B269	1210	0	No Message
Piso 2	B269	1210	0.5	No Message
Piso 2	B269	1210	1	No Message
Piso 2	B269	1210	1.5	No Message
Piso 2	B269	1210	2	No Message
Piso 2	B269	1210	2.5	No Message
Piso 2	B269	1210	3	No Message
Piso 2	B269	1210	3.5	No Message
Piso 2	B269	1210	4	No Message
Piso 2	B269	1210	4.5	No Message
Piso 2	B269	1210	5	No Message
Piso 2	B269	1210	5.5	No Message
Piso 2	B269	1210	6	No Message
Piso 2	B274	1215	0	No Message
Piso 2	B274	1215	0.5	No Message
Piso 2	B274	1215	1	No Message
Piso 2	B274	1215	1.5	No Message
Piso 2	B274	1215	2	No Message
Piso 2	B274	1215	2.5	No Message
Piso 2	B274	1215	3	No Message
Piso 2	B274	1215	3.5	No Message
Piso 2	B274	1215	4	No Message
Piso 2	B274	1215	4.5	No Message
Piso 2	B274	1215	5	No Message
Piso 2	B274	1215	5.5	No Message
Piso 2	B274	1215	6	No Message
Piso 2	B279	1220	0	No Message
Piso 2	B279	1220	0.5	No Message
Piso 2	B279	1220	1	No Message
Piso 2	B279	1220	1.5	No Message
Piso 2	B279	1220	2	No Message
Piso 2	B279	1220	2.5	No Message
Piso 2	B279	1220	3	No Message
Piso 2	B279	1220	3.5	No Message
Piso 2	B279	1220	4	No Message
Piso 2	B279	1220	4.5	No Message
Piso 2	B279	1220	5	No Message
Piso 2	B279	1220	5.5	No Message
Piso 2	B279	1220	6	No Message
Piso 2	B332	1225	0	No Message
Piso 2	B332	1225	0.5	No Message
Piso 2	B332	1225	1	No Message
Piso 2	B332	1225	1.5	No Message
Piso 2	B332	1225	2	No Message
Piso 2	B332	1225	2.5	No Message
Piso 2	B332	1225	3	No Message
Piso 2	B332	1225	3.5	No Message
Piso 2	B332	1225	4	No Message
Piso 2	B332	1225	4.5	No Message
Piso 2	B332	1225	5	No Message
Piso 2	B332	1225	5.5	No Message
Piso 2	B332	1225	6	No Message
Piso 2	B552	1230	0	No Message
Piso 2	B552	1230	0.5	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 4 of 4

Story	Label	UniqueName	Station	ErrMsg
Unitless	Unitless	Unitless	m	Unitless
Piso 2	B552	1230	1	No Message
Piso 2	B552	1230	1.5	No Message
Piso 2	B552	1230	2	No Message
Piso 2	B552	1230	2.5	No Message
Piso 2	B552	1230	3	No Message
Piso 2	B552	1230	3.5	No Message
Piso 2	B552	1230	4	No Message
Piso 2	B552	1230	4.5	No Message
Piso 2	B552	1230	5	No Message
Piso 2	B552	1230	5.5	No Message
Piso 2	B552	1230	6	No Message
Piso 2	B557	1235	0	No Message
Piso 2	B557	1235	0.5	No Message
Piso 2	B557	1235	1	No Message
Piso 2	B557	1235	1.5	No Message
Piso 2	B557	1235	2	No Message
Piso 2	B557	1235	2.5	No Message
Piso 2	B557	1235	3	No Message
Piso 2	B557	1235	3.5	No Message
Piso 2	B557	1235	4	No Message
Piso 2	B557	1235	4.5	No Message
Piso 2	B557	1235	5	No Message
Piso 2	B557	1235	5.5	No Message
Piso 2	B557	1235	6	No Message
Piso 2	B562	1240	0	No Message
Piso 2	B562	1240	0.5	No Message
Piso 2	B562	1240	1	No Message
Piso 2	B562	1240	1.5	No Message
Piso 2	B562	1240	2	No Message
Piso 2	B562	1240	2.5	No Message
Piso 2	B562	1240	3	No Message
Piso 2	B562	1240	3.5	No Message
Piso 2	B562	1240	4	No Message
Piso 2	B562	1240	4.5	No Message
Piso 2	B562	1240	5	No Message
Piso 2	B562	1240	5.5	No Message
Piso 2	B562	1240	6	No Message
Piso 2	B680	1358	0	No Message
Piso 2	B680	1358	0.5	No Message
Piso 2	B680	1358	1	No Message
Piso 2	B680	1358	1.5	No Message
Piso 2	B680	1358	2	No Message
Piso 2	B680	1358	2.5	No Message
Piso 2	B680	1358	3	No Message
Piso 2	B680	1358	3.5	No Message
Piso 2	B680	1358	4	No Message
Piso 2	B680	1358	4.5	No Message
Piso 2	B680	1358	5	No Message
Piso 2	B680	1358	5.5	No Message
Piso 2	B680	1358	6	No Message
Piso 2	B686	1364	0	No Message
Piso 2	B686	1364	0.5	No Message
Piso 2	B686	1364	1	No Message
Piso 2	B686	1364	1.5	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 4 of 4

Story	Label	UniqueName	Station	ErrMsg
Unitless	Unitless	Unitless	m	Unitless
Piso 2	B686	1364	2	No Message
Piso 2	B686	1364	2.5	No Message
Piso 2	B686	1364	3	No Message
Piso 2	B686	1364	3.5	No Message
Piso 2	B686	1364	4	No Message
Piso 2	B686	1364	4.5	No Message
Piso 2	B686	1364	5	No Message
Piso 2	B686	1364	5.5	No Message
Piso 2	B686	1364	6	No Message
Piso 2	B710	1388	0	No Message
Piso 2	B710	1388	0.5	No Message
Piso 2	B710	1388	1	No Message
Piso 2	B710	1388	1.5	No Message
Piso 2	B710	1388	2	No Message
Piso 2	B710	1388	2.5	No Message
Piso 2	B710	1388	3	No Message
Piso 2	B710	1388	3.5	No Message
Piso 2	B710	1388	4	No Message
Piso 2	B710	1388	4.5	No Message
Piso 2	B710	1388	5	No Message
Piso 2	B710	1388	5.5	No Message
Piso 2	B710	1388	6	No Message
Piso 2	B716	1394	0	No Message
Piso 2	B716	1394	0.5	No Message
Piso 2	B716	1394	1	No Message
Piso 2	B716	1394	1.5	No Message
Piso 2	B716	1394	2	No Message
Piso 2	B716	1394	2.5	No Message
Piso 2	B716	1394	3	No Message
Piso 2	B716	1394	3.5	No Message
Piso 2	B716	1394	4	No Message
Piso 2	B716	1394	4.5	No Message
Piso 2	B716	1394	5	No Message
Piso 2	B716	1394	5.5	No Message
Piso 2	B716	1394	6	No Message
Piso 2	B125	493	0	No Message
Piso 2	B125	493	0.5	No Message
Piso 2	B125	493	0.5	No Message
Piso 2	B125	493	1	No Message
Piso 2	B125	493	1	No Message
Piso 2	B125	493	1.5	No Message
Piso 2	B125	493	1.5	No Message
Piso 2	B125	493	2	No Message
Piso 2	B125	493	2	No Message
Piso 2	B125	493	2.5	No Message
Piso 2	B125	493	2.5	No Message
Piso 2	B125	493	3	No Message
Piso 2	B125	493	3	No Message
Piso 2	B125	493	3.5	No Message
Piso 2	B125	493	3.5	No Message
Piso 2	B125	493	4	No Message
Piso 2	B125	493	4	No Message
Piso 2	B125	493	4.5	No Message
Piso 2	B125	493	4.5	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 4 of 4

Story	Label	UniqueName	Station	ErrMsg
Unitless	Unitless	Unitless	m	Unitless
Piso 2	B125	493	5	No Message
Piso 2	B125	493	5	No Message
Piso 2	B125	493	5.5	No Message
Piso 2	B125	493	5.5	No Message
Piso 2	B125	493	6	No Message
Piso 2	B133	890	0	No Message
Piso 2	B133	890	0.5	No Message
Piso 2	B133	890	0.5	No Message
Piso 2	B133	890	1	No Message
Piso 2	B133	890	1	No Message
Piso 2	B133	890	1.5	No Message
Piso 2	B133	890	1.5	No Message
Piso 2	B133	890	2	No Message
Piso 2	B133	890	2	No Message
Piso 2	B133	890	2.5	No Message
Piso 2	B133	890	2.5	No Message
Piso 2	B133	890	3	No Message
Piso 2	B133	890	3	No Message
Piso 2	B133	890	3.5	No Message
Piso 2	B133	890	3.5	No Message
Piso 2	B133	890	4	No Message
Piso 2	B133	890	4	No Message
Piso 2	B133	890	4.5	No Message
Piso 2	B133	890	4.5	No Message
Piso 2	B133	890	5	No Message
Piso 2	B133	890	5	No Message
Piso 2	B133	890	5.5	No Message
Piso 2	B133	890	5.5	No Message
Piso 2	B133	890	6	No Message
Piso 2	B134	902	0	No Message
Piso 2	B134	902	0.5	No Message
Piso 2	B134	902	0.5	No Message
Piso 2	B134	902	1	No Message
Piso 2	B134	902	1	No Message
Piso 2	B134	902	1.5	No Message
Piso 2	B134	902	1.5	No Message
Piso 2	B134	902	2	No Message
Piso 2	B134	902	2	No Message
Piso 2	B134	902	2.5	No Message
Piso 2	B134	902	2.5	No Message
Piso 2	B134	902	3	No Message
Piso 2	B134	902	3	No Message
Piso 2	B134	902	3.5	No Message
Piso 2	B134	902	3.5	No Message
Piso 2	B134	902	4	No Message
Piso 2	B134	902	4	No Message
Piso 2	B134	902	4.5	No Message
Piso 2	B134	902	4.5	No Message
Piso 2	B134	902	5	No Message
Piso 2	B134	902	5	No Message
Piso 2	B134	902	5.5	No Message
Piso 2	B134	902	5.5	No Message
Piso 2	B134	902	6	No Message
Piso 2	B375	606	0	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 4 of 4

Story	Label	UniqueName	Station	ErrMsg
Unitless	Unitless	Unitless	m	Unitless
Piso 2	B375	606	0.44667	No Message
Piso 2	B375	606	0.89333	No Message
Piso 2	B375	606	1.34	No Message
Piso 2	B375	606	1.78667	No Message
Piso 2	B375	606	2.23333	No Message
Piso 2	B375	606	2.68	No Message
Piso 2	B375	606	3.12667	No Message
Piso 2	B375	606	3.57333	No Message
Piso 2	B375	606	4.02	No Message
Piso 2	B473	626	0	No Message
Piso 2	B473	626	0.44667	No Message
Piso 2	B473	626	0.89333	No Message
Piso 2	B473	626	1.34	No Message
Piso 2	B473	626	1.78667	No Message
Piso 2	B473	626	2.23333	No Message
Piso 2	B473	626	2.68	No Message
Piso 2	B473	626	3.12667	No Message
Piso 2	B473	626	3.57333	No Message
Piso 2	B473	626	4.02	No Message
Piso 2	B197	513	0	No Message
Piso 2	B197	513	0.45	No Message
Piso 2	B197	513	0.9	No Message
Piso 2	B197	513	1.35	No Message
Piso 2	B197	513	1.8	No Message
Piso 2	B197	513	2.25	No Message
Piso 2	B197	513	2.7	No Message
Piso 2	B232	743	0	No Message
Piso 2	B232	743	0.45	No Message
Piso 2	B232	743	0.9	No Message
Piso 2	B232	743	1.35	No Message
Piso 2	B232	743	1.8	No Message
Piso 2	B232	743	2.25	No Message
Piso 2	B232	743	2.7	No Message
Piso 2	B371	619	0	No Message
Piso 2	B371	619	0.47143	No Message
Piso 2	B371	619	0.94286	No Message
Piso 2	B371	619	1.41429	No Message
Piso 2	B371	619	1.88571	No Message
Piso 2	B371	619	2.35714	No Message
Piso 2	B371	619	2.82857	No Message
Piso 2	B371	619	3.3	No Message
Piso 2	B116	19	0	No Message
Piso 2	B116	19	0.5	No Message
Piso 2	B116	19	1	No Message
Piso 2	B116	19	1.5	No Message
Piso 2	B116	19	2	No Message
Piso 2	B116	19	2.5	No Message
Piso 2	B116	19	3	No Message
Piso 2	B116	19	3.5	No Message
Piso 2	B116	19	4	No Message
Piso 2	B116	19	4.5	No Message
Piso 2	B116	19	5	No Message
Piso 2	B116	19	5.5	No Message
Piso 2	B116	19	6	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 4 of 4

Story	Label	UniqueName	Station	ErrMsg
Unitless	Unitless	Unitless	m	Unitless
Piso 2	B117	23	0	No Message
Piso 2	B117	23	0.5	No Message
Piso 2	B117	23	1	No Message
Piso 2	B117	23	1.5	No Message
Piso 2	B117	23	2	No Message
Piso 2	B117	23	2.5	No Message
Piso 2	B117	23	3	No Message
Piso 2	B117	23	3.5	No Message
Piso 2	B117	23	4	No Message
Piso 2	B117	23	4.5	No Message
Piso 2	B117	23	5	No Message
Piso 2	B117	23	5.5	No Message
Piso 2	B117	23	6	No Message
Piso 2	B120	30	0	No Message
Piso 2	B120	30	0.5	No Message
Piso 2	B120	30	1	No Message
Piso 2	B120	30	1.5	No Message
Piso 2	B120	30	2	No Message
Piso 2	B120	30	2.5	No Message
Piso 2	B120	30	3	No Message
Piso 2	B120	30	3.5	No Message
Piso 2	B120	30	4	No Message
Piso 2	B120	30	4.5	No Message
Piso 2	B120	30	5	No Message
Piso 2	B120	30	5.5	No Message
Piso 2	B120	30	6	No Message
Piso 2	B123	31	0	No Message
Piso 2	B123	31	0.5	No Message
Piso 2	B123	31	1	No Message
Piso 2	B123	31	1.5	No Message
Piso 2	B123	31	2	No Message
Piso 2	B123	31	2.5	No Message
Piso 2	B123	31	3	No Message
Piso 2	B123	31	3.5	No Message
Piso 2	B123	31	4	No Message
Piso 2	B123	31	4.5	No Message
Piso 2	B123	31	5	No Message
Piso 2	B123	31	5.5	No Message
Piso 2	B123	31	6	No Message
Piso 2	B604	50	0	No Message
Piso 2	B604	50	0.5	No Message
Piso 2	B604	50	1	No Message
Piso 2	B604	50	1.5	No Message
Piso 2	B604	50	2	No Message
Piso 2	B604	50	2.5	No Message
Piso 2	B604	50	3	No Message
Piso 2	B604	50	3.5	No Message
Piso 2	B604	50	4	No Message
Piso 2	B604	50	4.5	No Message
Piso 2	B604	50	5	No Message
Piso 2	B604	50	5.5	No Message
Piso 2	B604	50	6	No Message
Piso 2	B729	750	0	No Message
Piso 2	B729	750	0.5	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 4 of 4

Story	Label	UniqueName	Station	ErrMsg
Unitless	Unitless	Unitless	m	Unitless
Piso 2	B729	750	1	No Message
Piso 2	B729	750	1.5	No Message
Piso 2	B729	750	2	No Message
Piso 2	B729	750	2.5	No Message
Piso 2	B729	750	3	No Message
Piso 2	B729	750	3.5	No Message
Piso 2	B729	750	4	No Message
Piso 2	B729	750	4.5	No Message
Piso 2	B729	750	5	No Message
Piso 2	B729	750	5.5	No Message
Piso 2	B729	750	6	No Message
Piso 2	B731	603	0	No Message
Piso 2	B731	603	0.5	No Message
Piso 2	B731	603	0.5	No Message
Piso 2	B731	603	1	No Message
Piso 2	B731	603	1	No Message
Piso 2	B731	603	1.5	No Message
Piso 2	B731	603	1.5	No Message
Piso 2	B731	603	2	No Message
Piso 2	B731	603	2	No Message
Piso 2	B731	603	2.5	No Message
Piso 2	B731	603	2.5	No Message
Piso 2	B731	603	3	No Message
Piso 2	B731	603	3	No Message
Piso 2	B731	603	3.5	No Message
Piso 2	B731	603	3.5	No Message
Piso 2	B731	603	4	No Message
Piso 2	B731	603	4	No Message
Piso 2	B731	603	4.5	No Message
Piso 2	B731	603	4.5	No Message
Piso 2	B731	603	5	No Message
Piso 2	B731	603	5	No Message
Piso 2	B731	603	5.5	No Message
Piso 2	B731	603	5.5	No Message
Piso 2	B731	603	6	No Message
Piso 2	B740	604	0	No Message
Piso 2	B740	604	0.5	No Message
Piso 2	B740	604	0.5	No Message
Piso 2	B740	604	1	No Message
Piso 2	B740	604	1	No Message
Piso 2	B740	604	1.5	No Message
Piso 2	B740	604	1.5	No Message
Piso 2	B740	604	2	No Message
Piso 2	B740	604	2	No Message
Piso 2	B740	604	2.5	No Message
Piso 2	B740	604	2.5	No Message
Piso 2	B740	604	3	No Message
Piso 2	B740	604	3	No Message
Piso 2	B740	604	3.5	No Message
Piso 2	B740	604	3.5	No Message
Piso 2	B740	604	4	No Message
Piso 2	B740	604	4	No Message
Piso 2	B740	604	4.5	No Message
Piso 2	B740	604	4.5	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 4 of 4

Story	Label	UniqueName	Station	ErrMsg
Unitless	Unitless	Unitless	m	Unitless
Piso 2	B740	604	5	No Message
Piso 2	B740	604	5	No Message
Piso 2	B740	604	5.5	No Message
Piso 2	B740	604	5.5	No Message
Piso 2	B740	604	6	No Message
Piso 2	B741	658	0	No Message
Piso 2	B741	658	0.5	No Message
Piso 2	B741	658	0.5	No Message
Piso 2	B741	658	1	No Message
Piso 2	B741	658	1	No Message
Piso 2	B741	658	1.5	No Message
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Piso 2	B741	658	2	No Message
Piso 2	B741	658	2	No Message
Piso 2	B741	658	2.5	No Message
Piso 2	B741	658	2.5	No Message
Piso 2	B741	658	3	No Message
Piso 2	B741	658	3	No Message
Piso 2	B741	658	3.5	No Message
Piso 2	B741	658	3.5	No Message
Piso 2	B741	658	4	No Message
Piso 2	B741	658	4	No Message
Piso 2	B741	658	4.5	No Message
Piso 2	B741	658	4.5	No Message
Piso 2	B741	658	5	No Message
Piso 2	B741	658	5	No Message
Piso 2	B741	658	5.5	No Message
Piso 2	B741	658	5.5	No Message
Piso 2	B741	658	6	No Message

DISEÑO DE VIGUETAS

Propiedades de la sección.

h=	50	cm
b=	12	cm
L=	600	cm

Especificaciones.

-Resistencia a compresión del concreto	f'c:	280 Kg/cm^2
-Esfuerzo de fluencia del acero	fy:	4200 Kg/cm^2
-Peso especifico del concreto	Yc:	2400 Kg/m^3

- Modelo de análisis

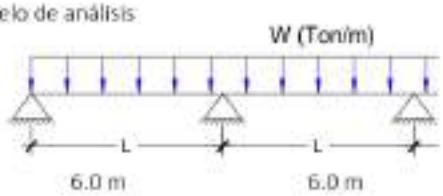
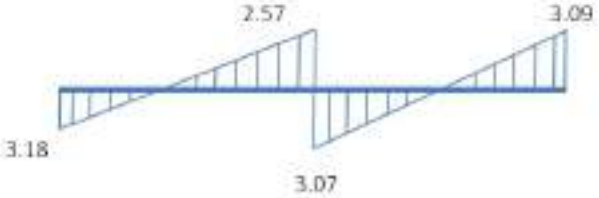
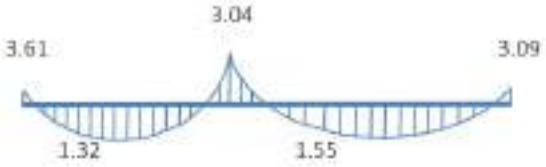


Diagrama de cortantes.



Unidades en toneladas

Diagrama de momentos.



Unidades en ton-m

Diseño vigueta.

Chequeo a cortante. ΦVc = 4.07 Ton/m

- Cortante requerida :

Vua :	3.18 Ton/m	< ΦVc
Av/s=	-0.00555 cm^2/cm	Mínimo

Refuerzo

- Momentos

Mu (+) :	1.55 Ton-m	As (+) :	0.93 cm^2
Mu (-) :	3.61 Ton-m	As (-) :	2.20 cm^2

ANEXO D – DISEÑO DE CIMENTACIÓN

ANEXO D– CIMENTACIÓN

1 DESCRIPCIÓN DEL MODELO

Se realizó un modelo analítico de interacción suelo-estructura usando el programa de elementos finitos (Etabs V.18) en el cual se simuló el efecto producido por la resistencia del suelo, teniendo en cuenta el módulo de reacción vertical dado en el estudio de suelos.

1.1 ESPECIFICACIONES ESTUDIO DE SUELOS

LABCON

9. CONCLUSIONES Y RECOMENDACIONES

Las conclusiones y recomendaciones consignadas en el presente informe se basan en los resultados de las investigaciones de campo y laboratorio que se describen en los capítulos pertinentes, en la magnitud del proyecto y en la caracterización geotécnica del área en estudio.

Tabla 9.1 Resultados parámetros geotécnicos.

Unidad geotécnica	Descripción	Parámetros de resistencia			Peso específico.	Módulo de elasticidad	Módulo de poisson	Cc	Cr
		ÁNGULO DE ROZAMIENTO	COHESIÓN	COHESIÓN NO DRENADA					
		Phi' (°)	c' (kN/m2)	Cu (kN/m2)	r (kN/m3)	E (Mpa)	V	-	-
U.G. II	(6.0m – 15.0m)	33.54	0-20	68.50	19.0	18.0			
U.G. I	(0.5m – 6.0m)	25.26	0-10	28.10	16.5	10.30	0,35	0,35	0,03
U.G. 0	Apique (0.0m – 0.5m)								

MATERIAL	ÁNGULO DE ROZAMIENTO (°)	Kv (t/m3)	Kh (t/m3)
UG I	25.26	1530	1520

9.1. RECOMENDACIÓN DE CONFORMACIÓN SUPERFICIAL

Se contempla una de relleno para la primera capa superficial, se considera como suelos no aptos para construcción. El proceso debe iniciar con el retiro del material que se puedan identificar hasta un nivel de -0.50m. Profundidad medida desde a cota de terreno natural existente.

9.2. OPCIÓN CIMENTACIÓN ZAPATAS PARA ESTRUCTURAS

Para la cimentación de las estructuras de pórticos esta consultoria recomienda diseñar la cimentación una zapata a una profundidad mínima de 1.5m con una capacidad portante admisible 6,90 tn/m2 + mejoramiento en subbase granular Art. 320 compactado o ciclópeo de 50cm. Pueden ser consideradas mayores profundidades reportadas en el anexo.

El estimativo de capacidad portante admisible se efectuó adoptado como el método teórico para definir este parámetro de resistencia de los suelos mediante condiciones no drenadas, considerando un factor de seguridad 3 de acuerdo con lo mencionado por la Tabla.4.7-1 de la NSR-10.

Los asentamientos totales, contemplando asentamientos inmediatos debido a la presencia de suelos arenosas se evalúan zapatas con una dimensión mínima de 1.50 m x 1.50 m y un desplante de 1,5 m,

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CARLOS MAURICIO MENDEZ - Máster Ingeniería Civil

(+57) 321 871 7176

Figura 1. Información tomada del estudio de suelos: LABCON

1.2 IDENTIFICACIÓN DE APOYOS Y REACCIONES

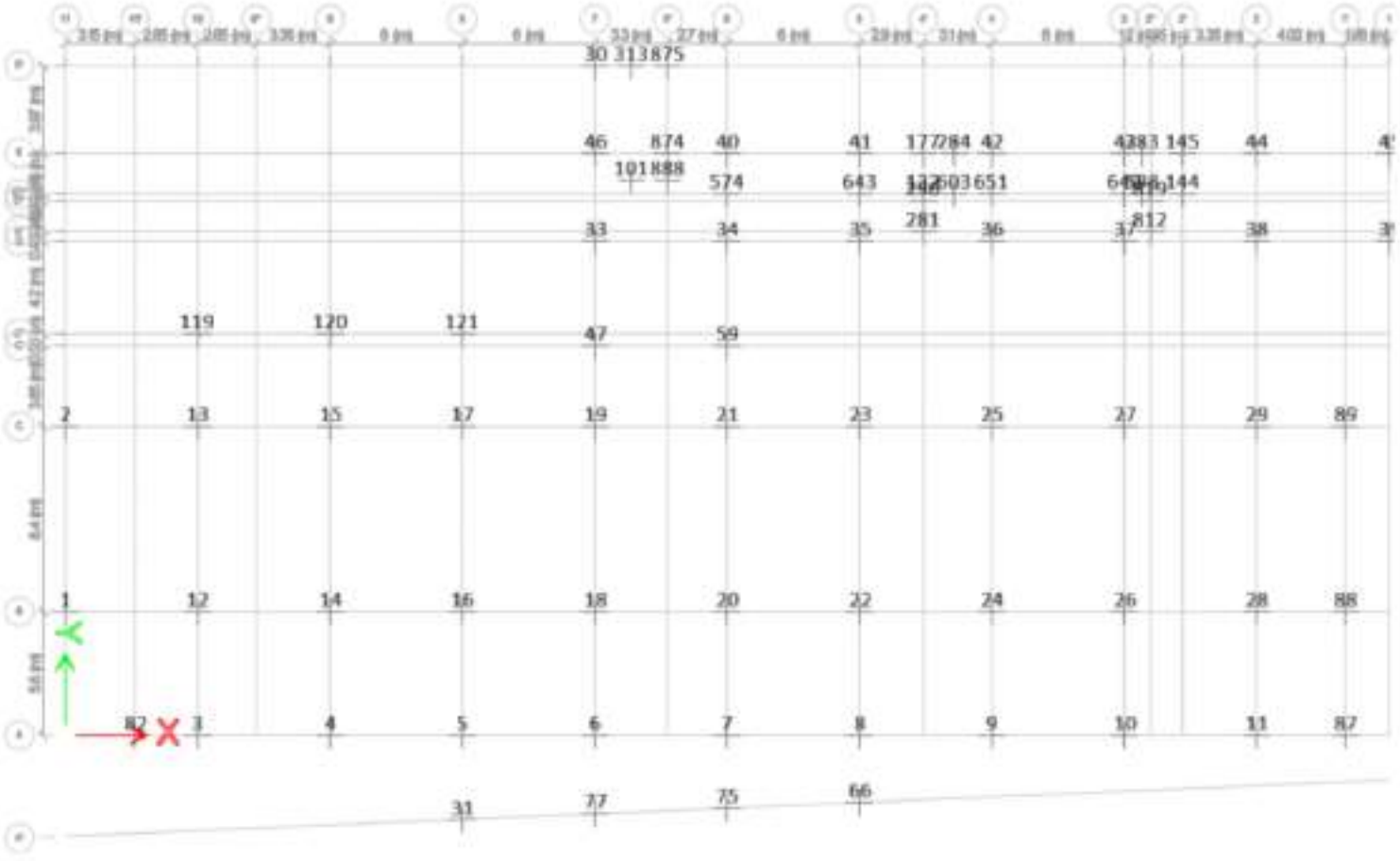
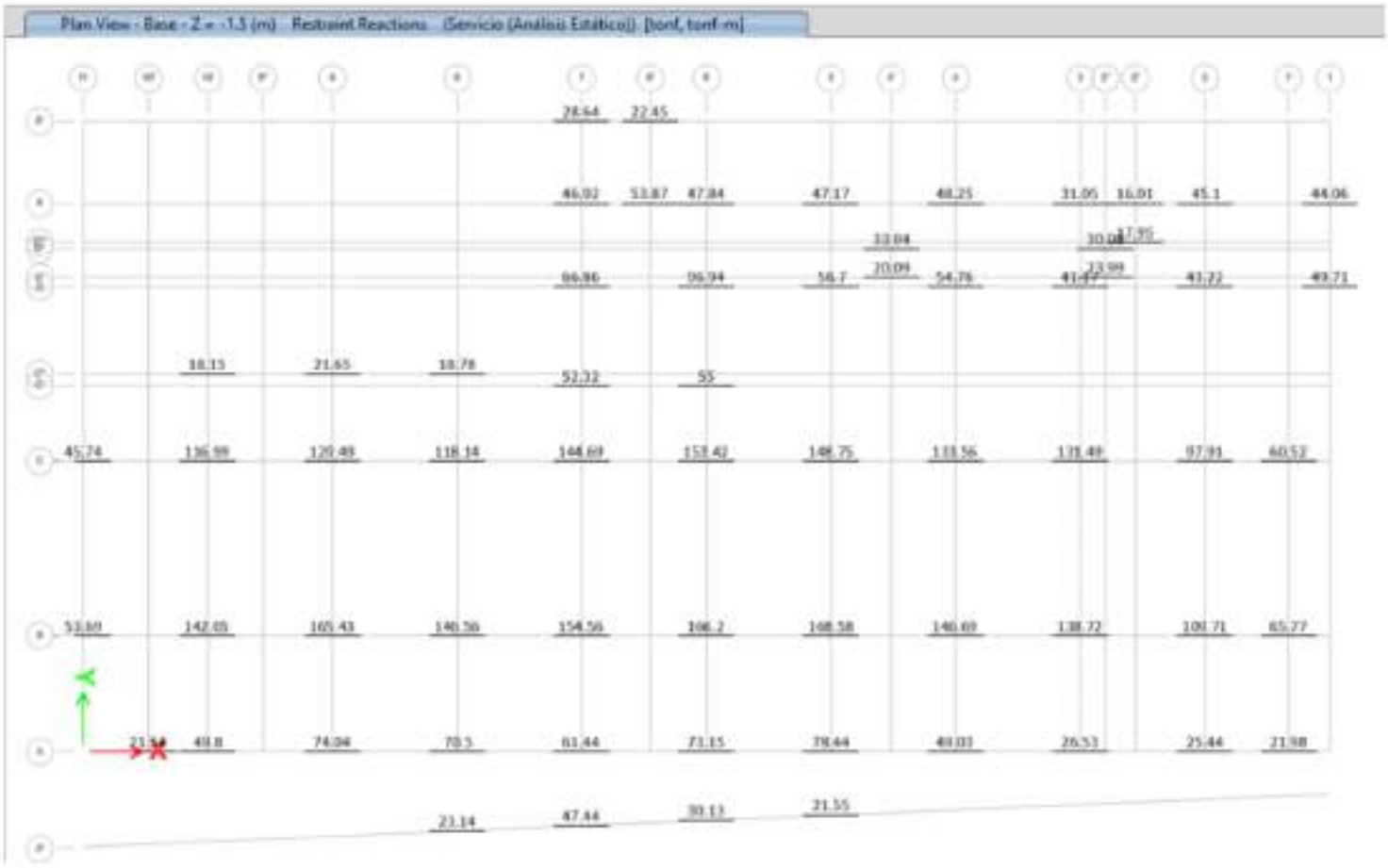
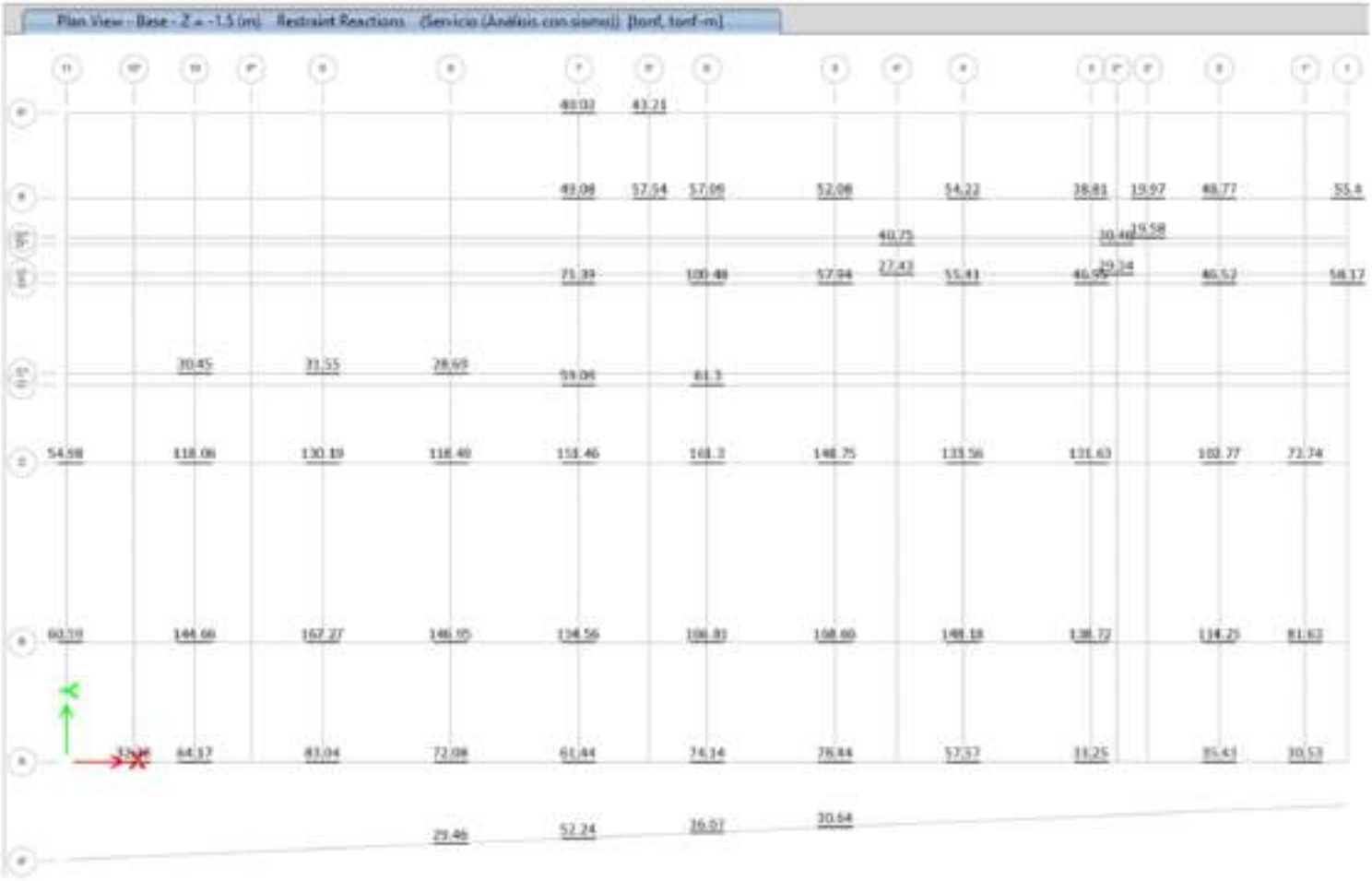


Figura 2. Identificación de apoyos.

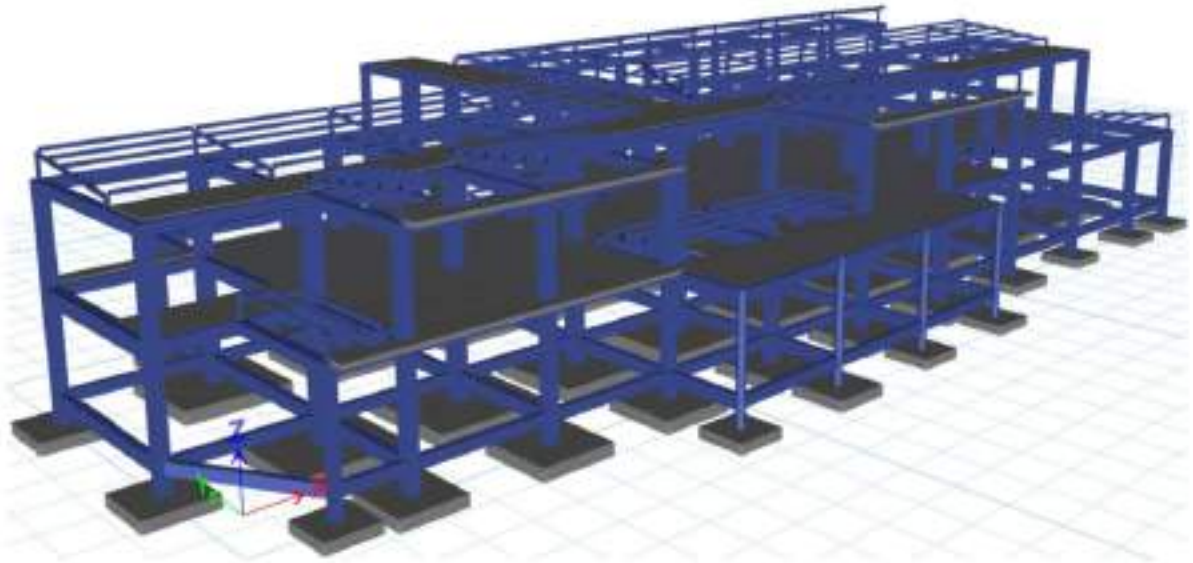
- ***Reacciones (Análisis estático)***



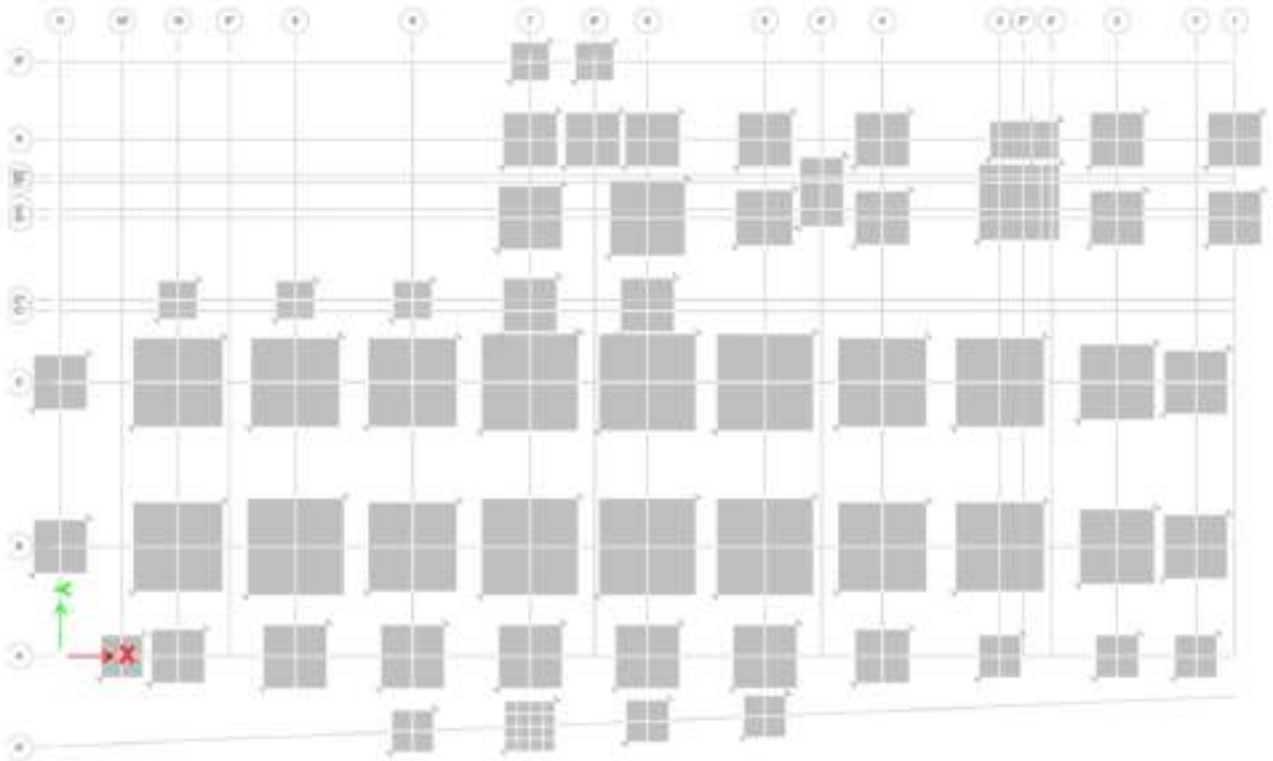
- ***Reacciones (Análisis con sismo)***



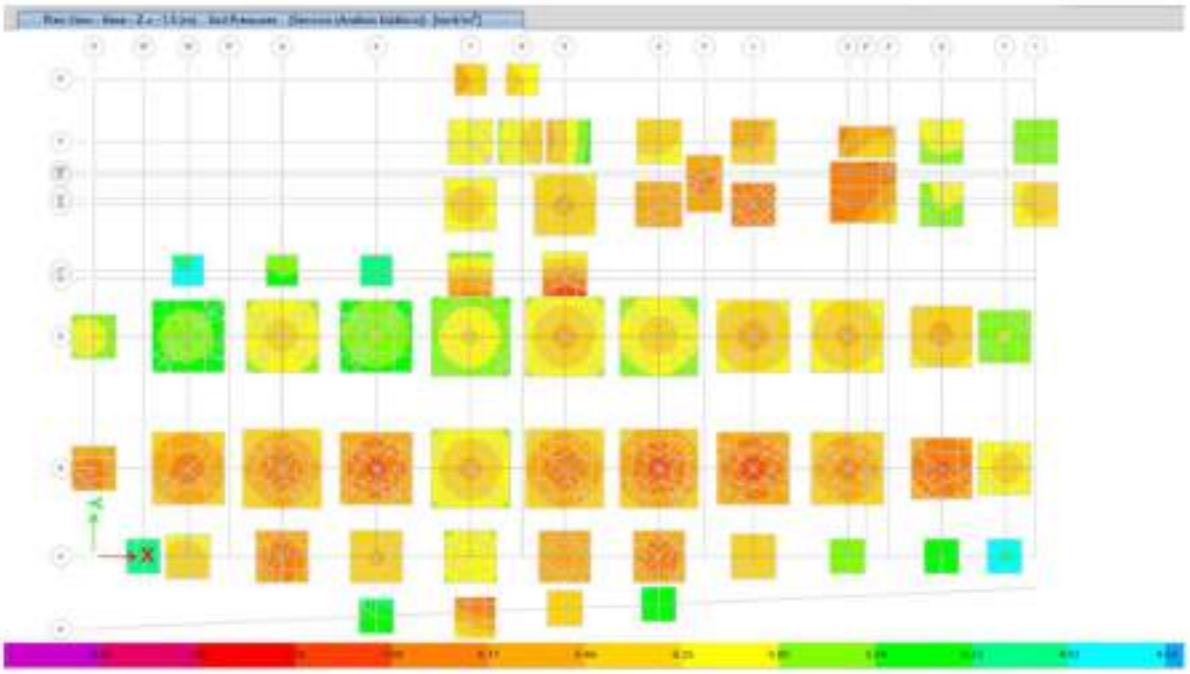
1.3 MODELO VISTA 3D



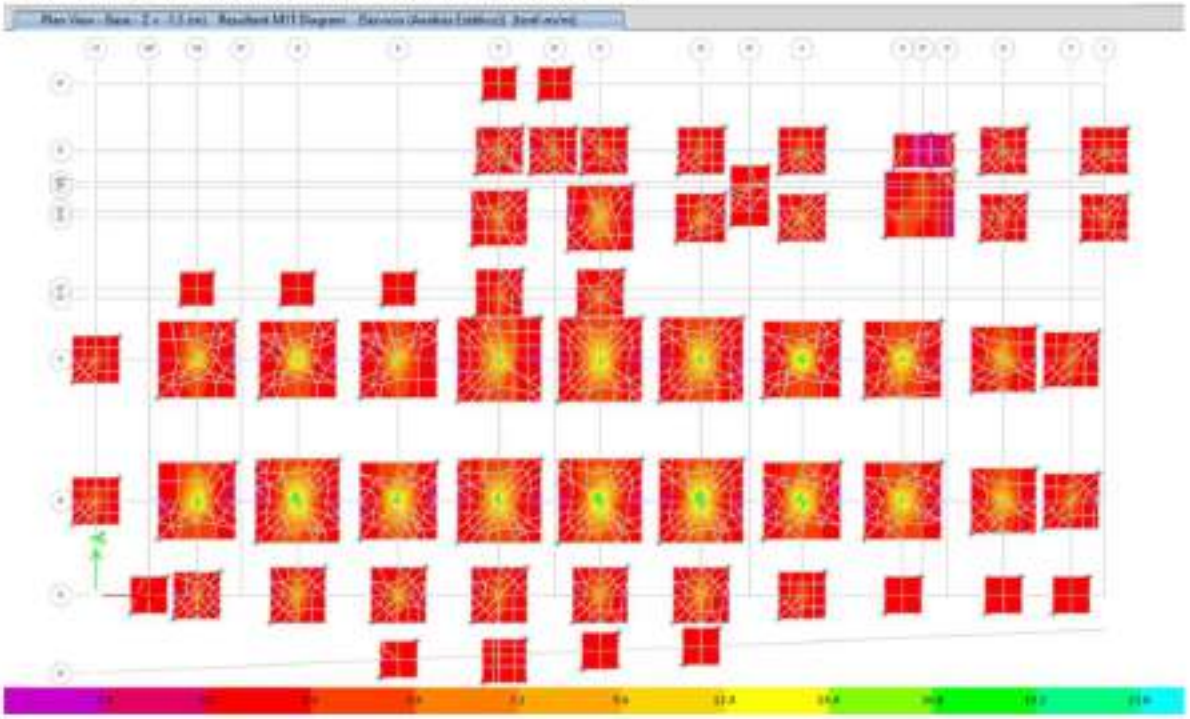
1.4 VISTA EN PLANTA



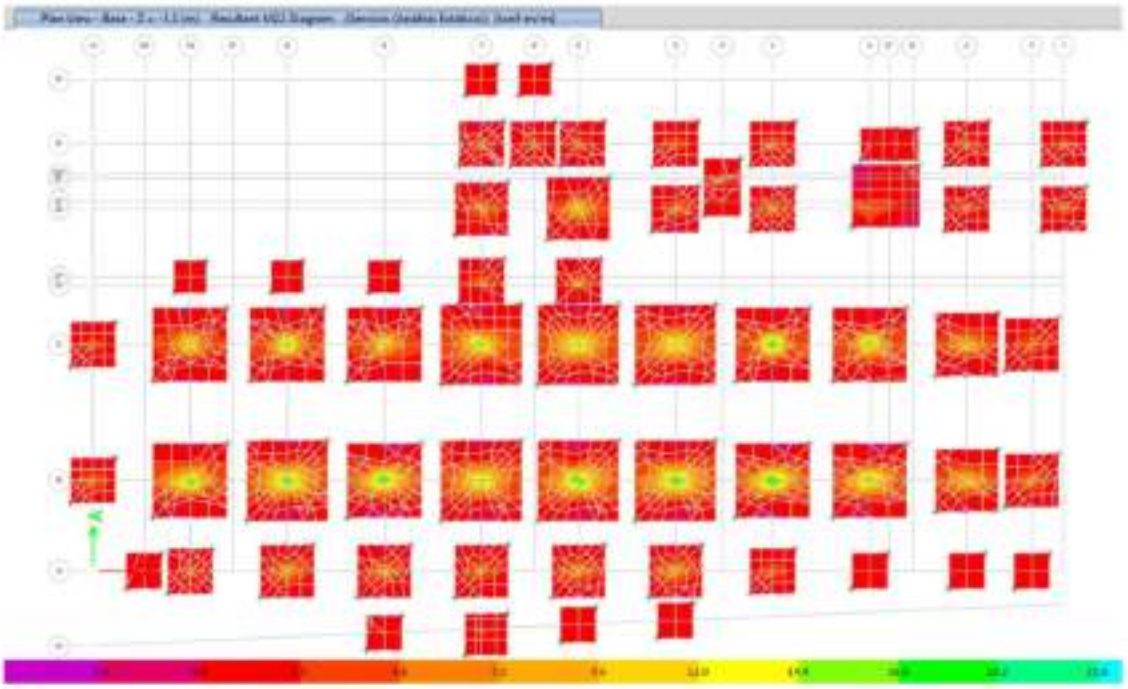
1.5 DIAGRAMA DE PRESIÓN DE CONTACTO - PLANTA (T/M²)



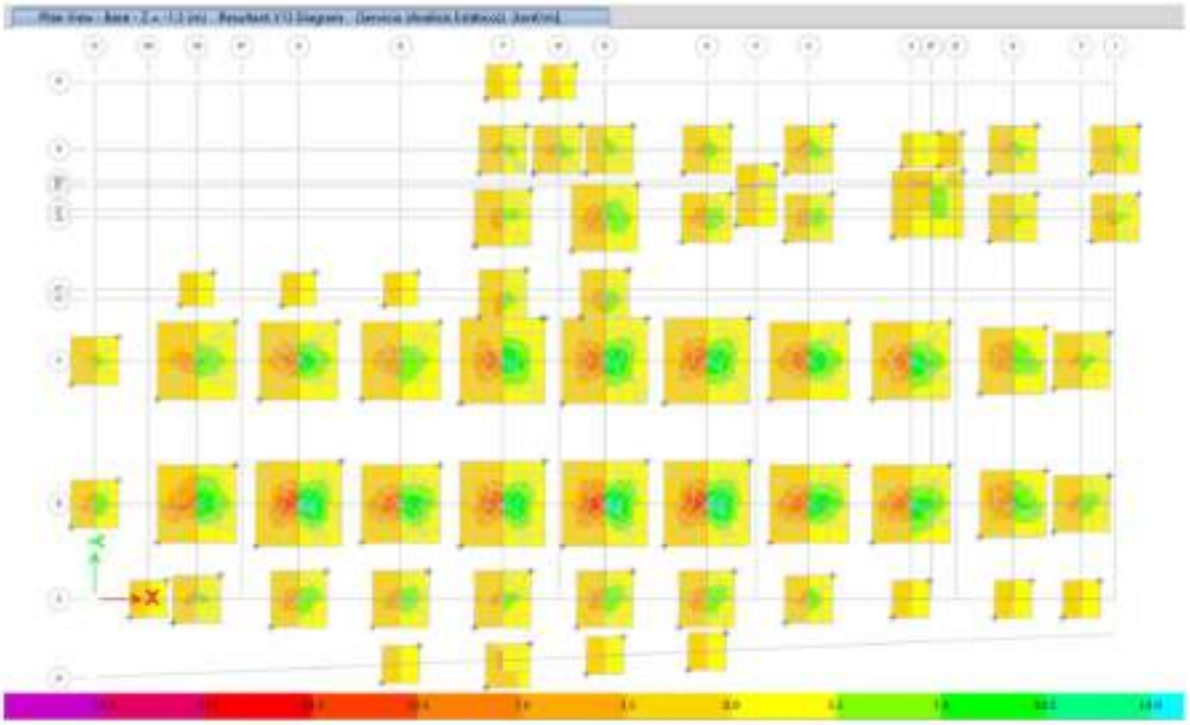
1.6 DIAGRAMA DE MOMENTOS M11 (T*M)



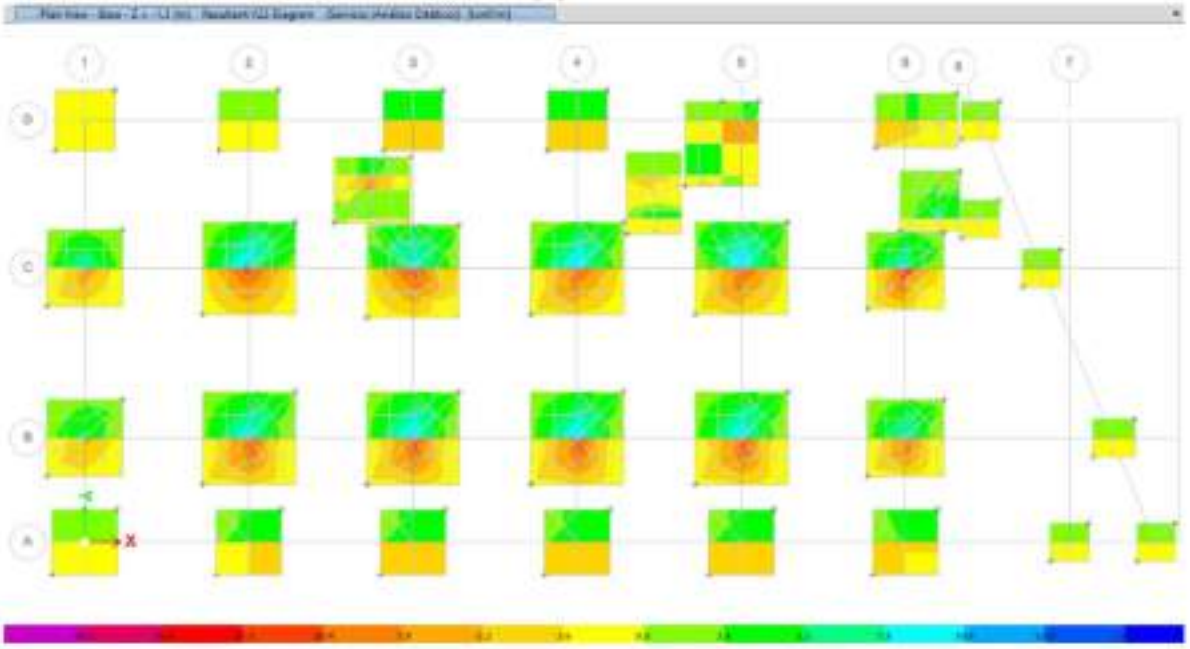
1.7 DIAGRAMA DE MOMENTOS M22 (T*M)



1.8 DIAGRAMA DE CORTANTE V13 (T)



1.9 DIAGRAMA DE CORTANTE V23 (T)



1.10 DIAGRAMA DE PUNZONAMIENTO

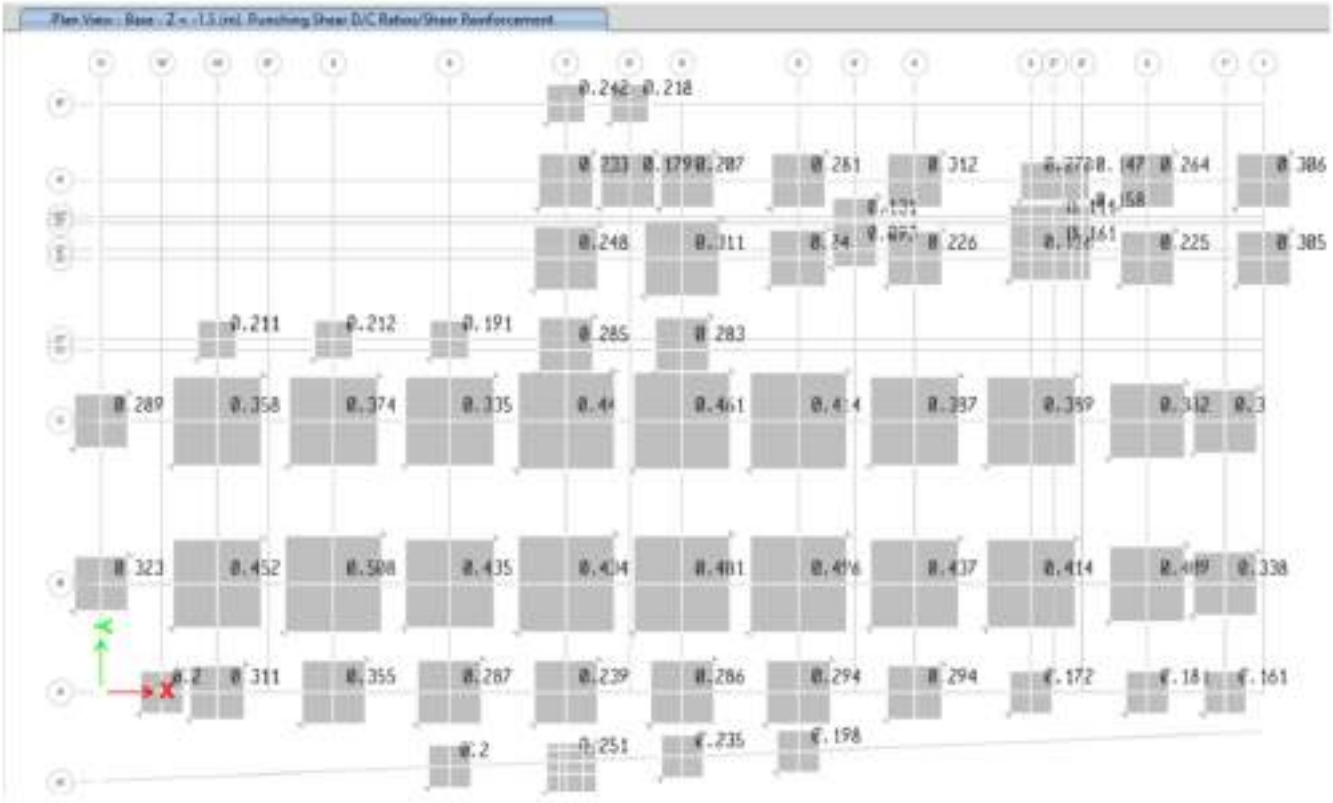


Table: Concrete Slab Design Overwrites - Punching Shear - General

Table: Concrete Slab Design Overwrites - Punching Shear - General

Story	Label	Unique Name	Check Punching Shear?	Location Type	Perimeter Type	Effective Depth Type	Opening Definition	Reinforcement Type
Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless
Piso 1	1	473	Program Determined	Auto	Auto	Auto	Auto	None
Piso 1	2	478	Program Determined	Auto	Auto	Auto	Auto	None
Piso 1	3	483	Program Determined	Auto	Auto	Auto	Auto	None
Piso 1	4	488	Program Determined	Auto	Auto	Auto	Auto	None
Piso 1	5	493	Program Determined	Auto	Auto	Auto	Auto	None
Piso 1	6	508	Program Determined	Auto	Auto	Auto	Auto	None
Piso 1	7	524	Program Determined	Auto	Auto	Auto	Auto	None
Piso 1	8	640	Program Determined	Auto	Auto	Auto	Auto	None
Piso 1	9	684	Program Determined	Auto	Auto	Auto	Auto	None
Piso 1	10	740	Program Determined	Auto	Auto	Auto	Auto	None
Piso 1	11	785	Program Determined	Auto	Auto	Auto	Auto	None
Piso 1	12	790	Program Determined	Auto	Auto	Auto	Auto	None
Piso 1	13	795	Program Determined	Auto	Auto	Auto	Auto	None
Piso 1	14	800	Program Determined	Auto	Auto	Auto	Auto	None
Piso 1	15	805	Program Determined	Auto	Auto	Auto	Auto	None
Piso 1	16	810	Program Determined	Auto	Auto	Auto	Auto	None
Piso 1	17	815	Program Determined	Auto	Auto	Auto	Auto	None
Piso 1	18	820	Program Determined	Auto	Auto	Auto	Auto	None
Piso 1	19	825	Program Determined	Auto	Auto	Auto	Auto	None
Piso 1	20	830	Program Determined	Auto	Auto	Auto	Auto	None
Piso 1	21	835	Program Determined	Auto	Auto	Auto	Auto	None
Piso 1	22	840	Program Determined	Auto	Auto	Auto	Auto	None
Piso 1	23	845	Program Determined	Auto	Auto	Auto	Auto	None
Piso 1	24	850	Program Determined	Auto	Auto	Auto	Auto	None
Piso 1	25	855	Program Determined	Auto	Auto	Auto	Auto	None

Table: Concrete Slab Design Overwrites - Punching Shear - General

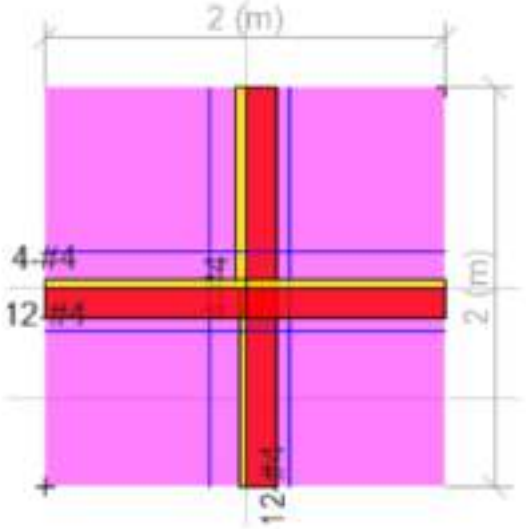
Story	Label	Unique Name	Check Punching Shear?	Location Type	Perimeter Type	Effective Depth Type	Opening Definition	Reinforcement Type
Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless
Piso 1	26	860	Program Determined	Auto	Auto	Auto	Auto	None
Piso 1	27	865	Program Determined	Auto	Auto	Auto	Auto	None
Piso 1	28	870	Program Determined	Auto	Auto	Auto	Auto	None
Piso 1	29	875	Program Determined	Auto	Auto	Auto	Auto	None
Piso 1	33	895	Program Determined	Auto	Auto	Auto	Auto	None
Piso 1	34	900	Program Determined	Auto	Auto	Auto	Auto	None
Piso 1	35	905	Program Determined	Auto	Auto	Auto	Auto	None
Piso 1	36	910	Program Determined	Auto	Auto	Auto	Auto	None
Piso 1	37	915	Program Determined	Auto	Auto	Auto	Auto	None
Piso 1	38	925	Program Determined	Auto	Auto	Auto	Auto	None
Piso 1	39	930	Program Determined	Auto	Auto	Auto	Auto	None
Piso 1	40	935	Program Determined	Auto	Auto	Auto	Auto	None
Piso 1	41	940	Program Determined	Auto	Auto	Auto	Auto	None
Piso 1	42	945	Program Determined	Auto	Auto	Auto	Auto	None
Piso 1	43	950	Program Determined	Auto	Auto	Auto	Auto	None
Piso 1	44	955	Program Determined	Auto	Auto	Auto	Auto	None
Piso 1	45	960	Program Determined	Auto	Auto	Auto	Auto	None
Piso 1	46	965	Program Determined	Auto	Auto	Auto	Auto	None
Piso 1	82	927	Program Determined	Auto	Auto	Auto	Auto	None
Piso 1	87	37	Program Determined	Auto	Auto	Auto	Auto	None
Piso 1	88	1798	Program Determined	Auto	Auto	Auto	Auto	None
Piso 1	89	28	Program Determined	Auto	Auto	Auto	Auto	None
Piso 1	119	880	Program Determined	Auto	Auto	Auto	Auto	None
Piso 1	120	885	Program Determined	Auto	Auto	Auto	Auto	None
Piso 1	121	890	Program Determined	Auto	Auto	Auto	Auto	None
Piso 1	30	986	Program Determined	Auto	Auto	Auto	Auto	None

Table: Concrete Slab Design Overwrites - Punching Shear - General

Story	Label	Unique Name	Check Punching Shear?	Location Type	Perimeter Type	Effective Depth Type	Opening Definition	Reinforcement Type
Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless
Piso 1	47	29	Program Determined	Auto	Auto	Auto	Auto	None
Piso 1	59	83	Program Determined	Auto	Auto	Auto	Auto	None
Piso 1	874	996	Program Determined	Auto	Auto	Auto	Auto	None
Piso 1	875	1001	Program Determined	Auto	Auto	Auto	Auto	None
Piso 1	31	55	Program Determined	Auto	Auto	Auto	Auto	None
Piso 1	66	59	Program Determined	Auto	Auto	Auto	Auto	None
Piso 1	75	58	Program Determined	Auto	Auto	Auto	Auto	None
Piso 1	77	56	Program Determined	Auto	Auto	Auto	Auto	None
Piso 1	144	1037	Program Determined	Auto	Auto	Auto	Auto	None
Piso 1	145	1041	Program Determined	Auto	Auto	Auto	Auto	None
Piso 1	281	1117	Program Determined	Auto	Auto	Auto	Auto	None
Piso 1	296	210	Program Determined	Auto	Auto	Auto	Auto	None
Piso 1	812	1114	Program Determined	Auto	Auto	Auto	Auto	None
Piso 1	819	209	Program Determined	Auto	Auto	Auto	Auto	None

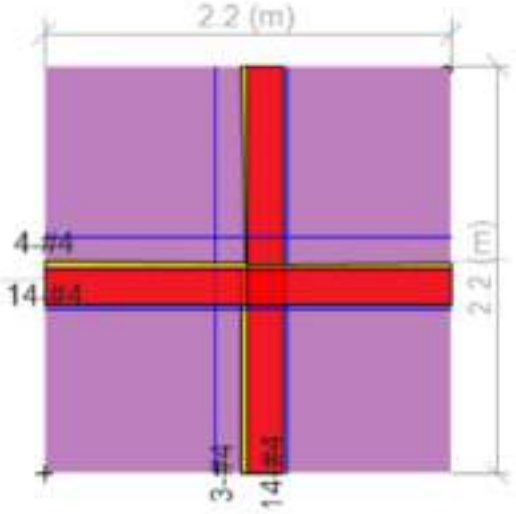
1.11 ACERO DE REFUERZO (ZAPATAS)

1.12 ZAPATA Z1



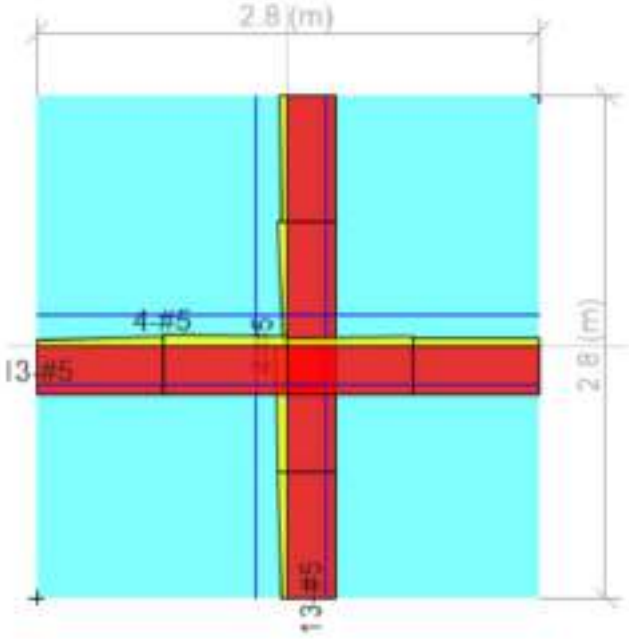
Acero requerido #4@15cm en ambos sentidos

1.13 ZAPATA Z2



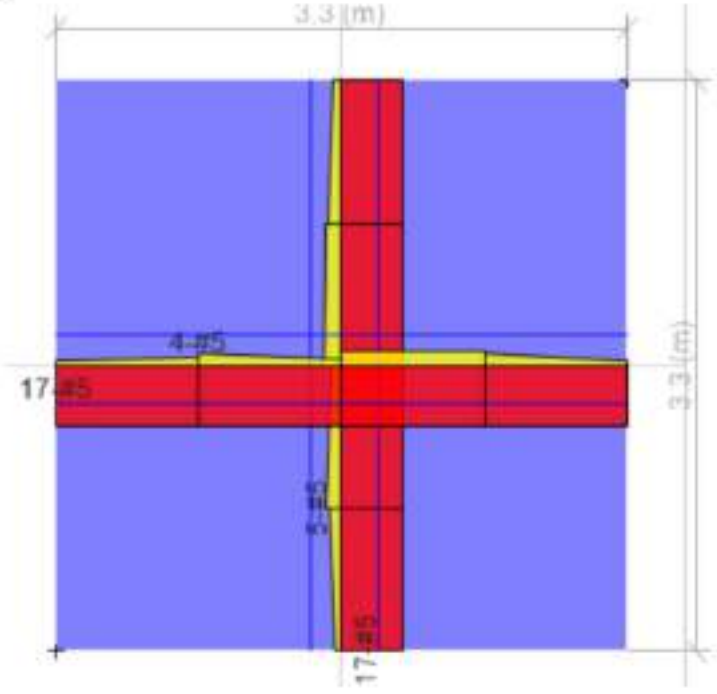
Acero requerido #4@15cm en ambos sentidos

1.14 ZAPATA 3



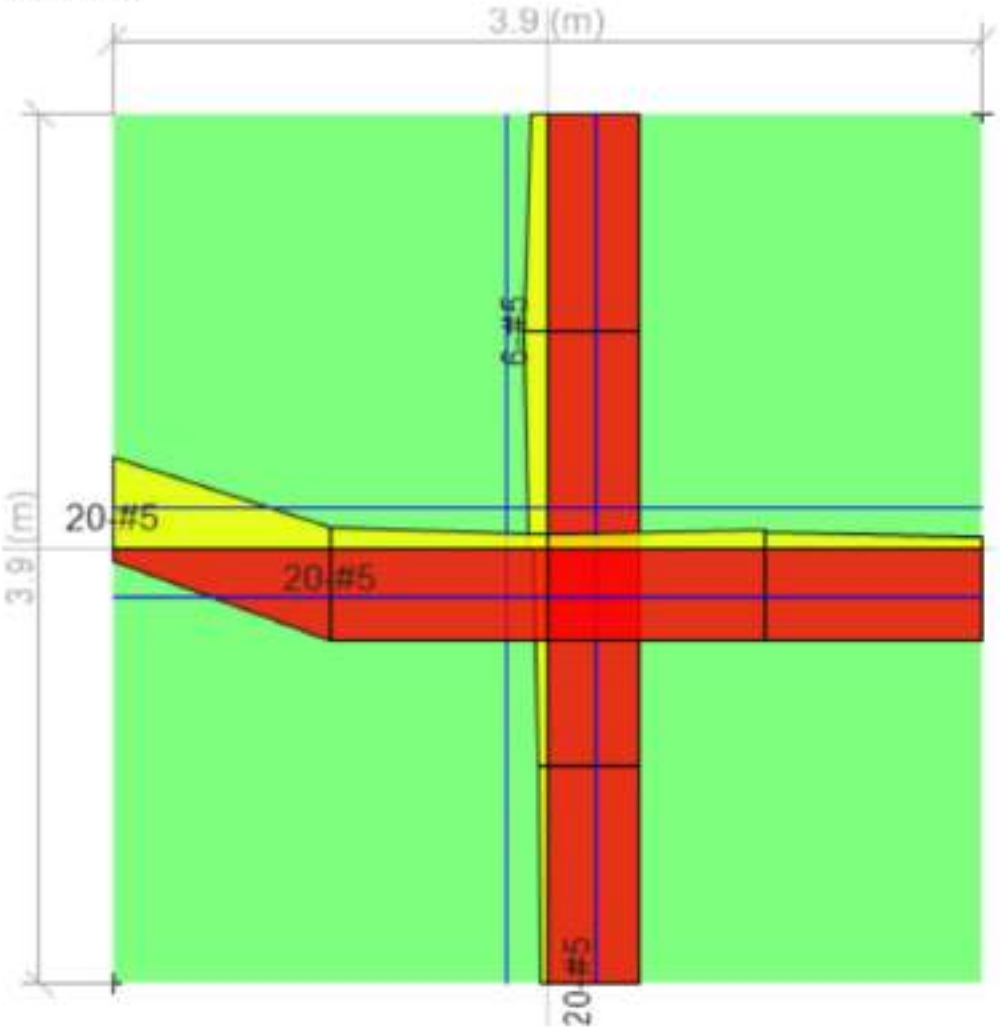
Acero requerido #5@20cm en ambos sentidos

1.15 ZAPATA Z4



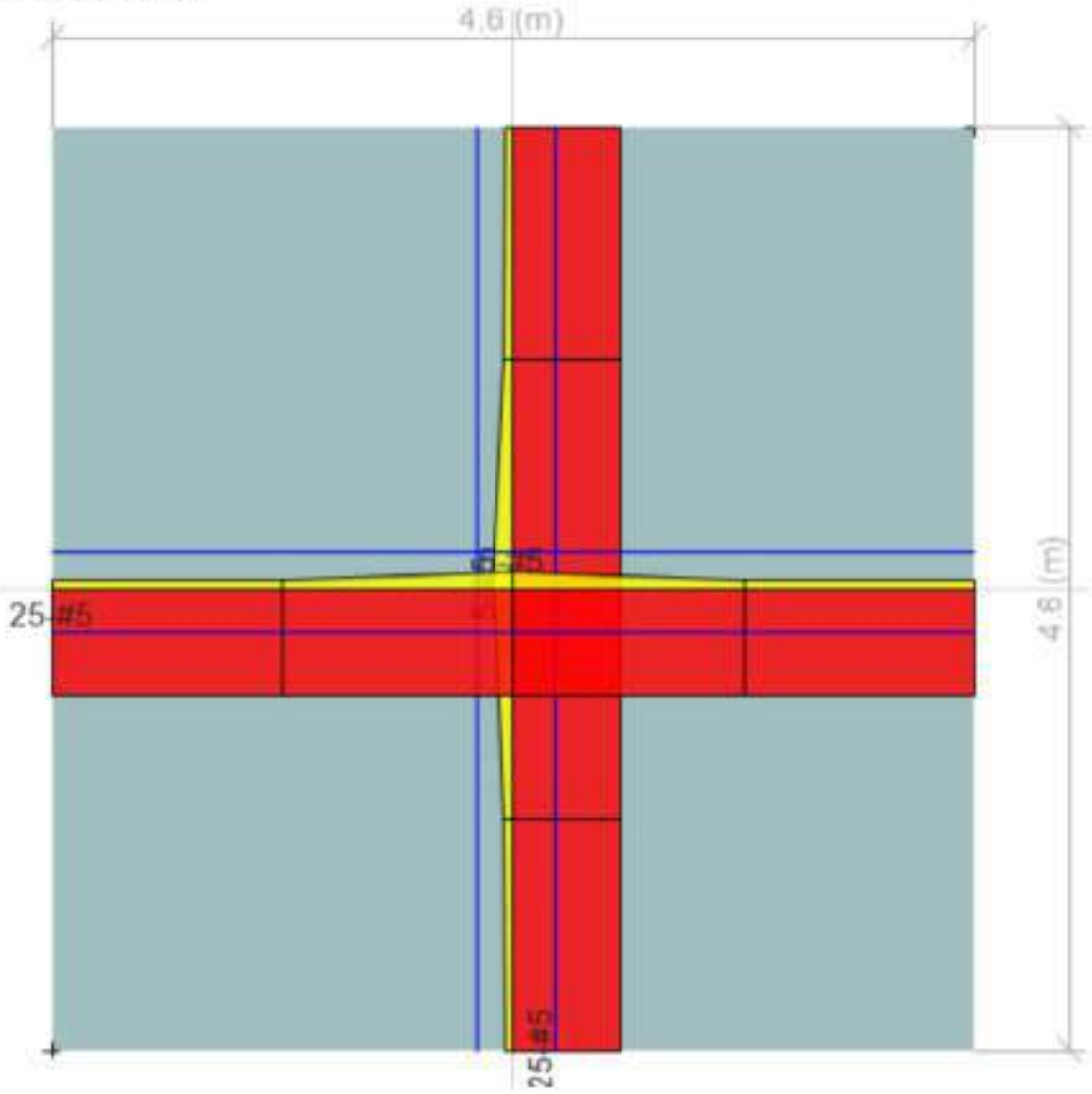
Acero requerido #5@18cm en ambos sentidos

1.16 ZAPATA Z5



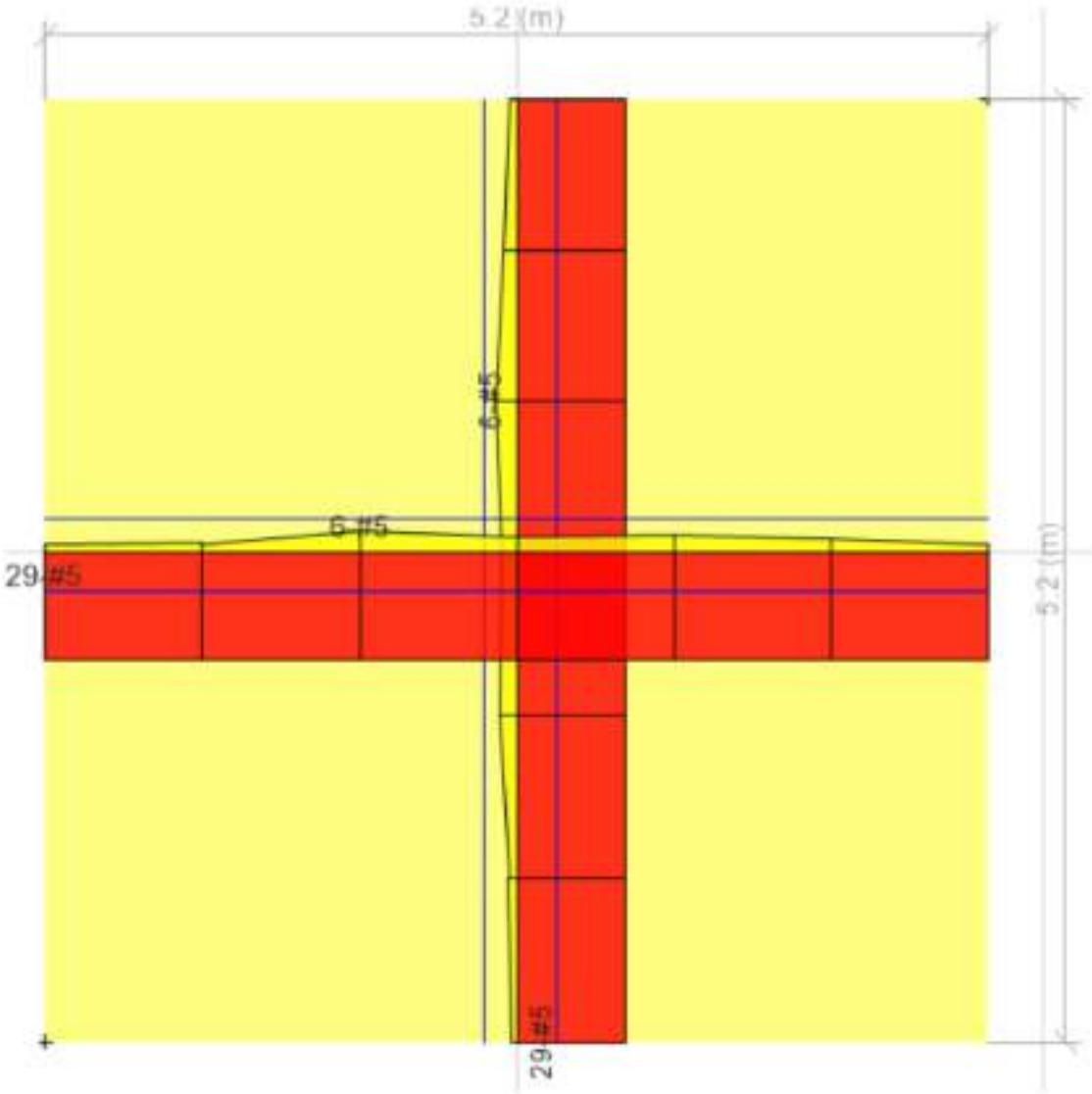
Acero requerido #5@18cm en ambos sentidos

1.17 ZAPATA Z6



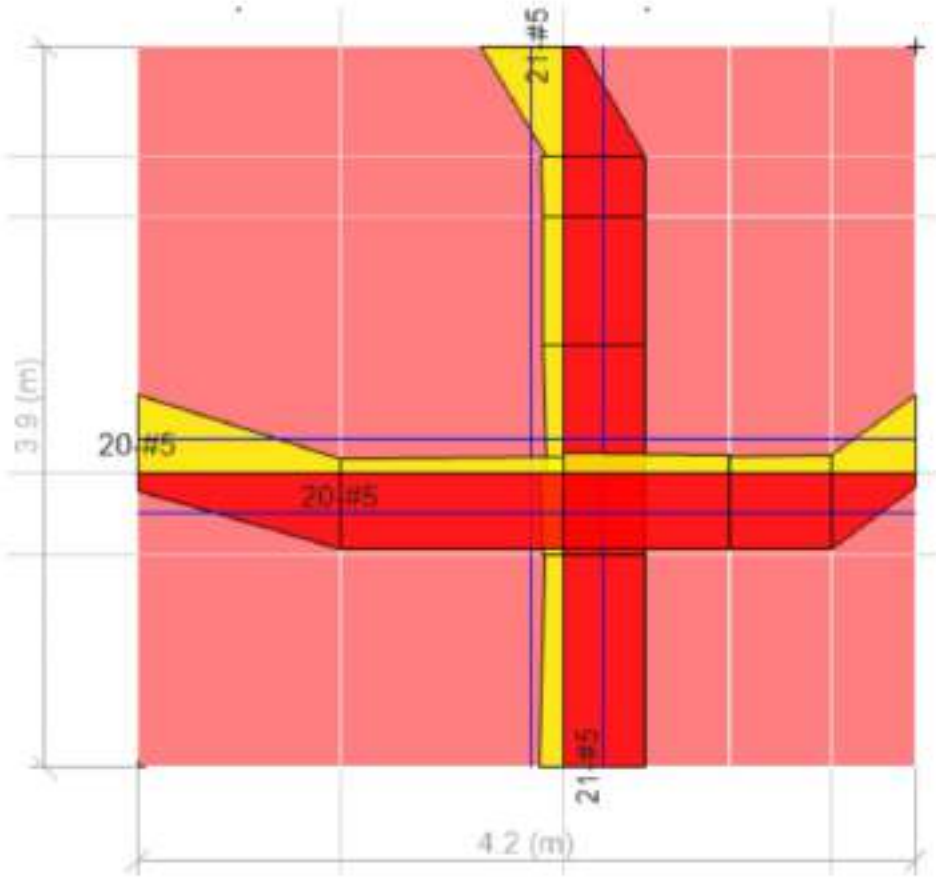
Acero requerido #5@15cm en ambos sentidos

1.18 ZAPATA Z7



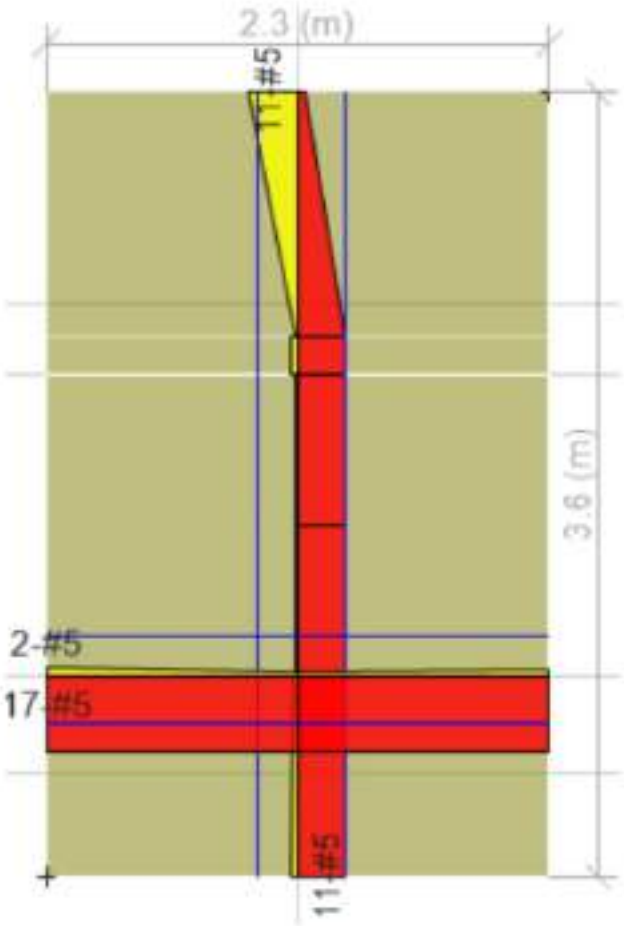
Acero requerido #5@15cm en ambos sentidos

1.19 ZAPATA Z8



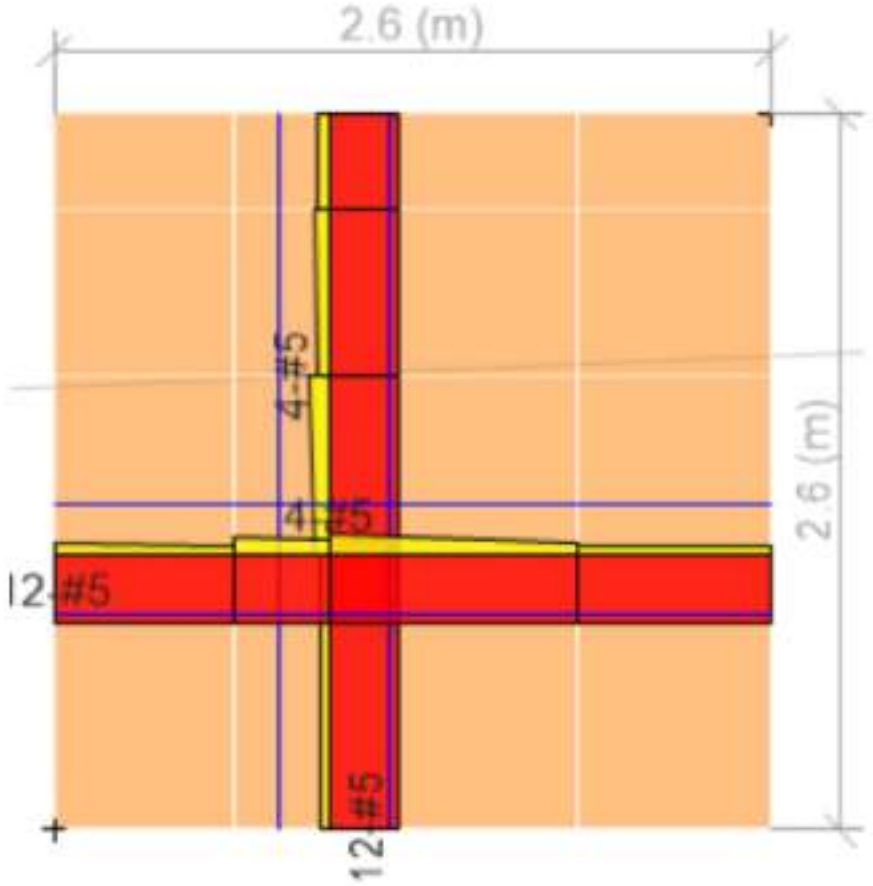
Acero requerido #5@18cm en ambos sentidos

1.20 ZAPATA Z9



Acero requerido #5@18cm en ambos sentidos

1.21 ZAPATA Z2A



Acero requerido #5@18cm en ambos sentidos

Table: Concrete Slab Design - Flexure and Shear Data, Part 1 of 4

Table: Concrete Slab Design - Flexure and Shear Data, Part 1 of 4

Story	StripObject	Station	ConcWidth	FTopCombo	FTopMomen t	FTopArea	FTopAMin	FBotCombo
Unitless	Unitless	m	m	Unitless	tonf-m	m²	m²	Unitless
Base	CSB1	0	2	B.2.4-5b	-2.9426	0.000404	0	B.2.4-5b
Base	CSB1	1	2	B.2.4-7b	-3.0661	0.000391	0	B.2.4-5b
Base	CSB1	2	2	B.2.4-5b	-2.7992	0.000382	0	B.2.4-5b
Base	CSB2	0	2	B.2.4-5b	-1.6475	0.000297	0	B.2.4-5b
Base	CSB2	1	2	B.2.4-7b	-4.3069	0.000501	0	B.2.4-5b
Base	CSB2	2	2	B.2.4-5b	-3.8553	0.000468	0	B.2.4-5b
Base	CSA1	0	2.2	B.2.4-5b	-3.6495	0.000412	0	B.2.4-5b
Base	CSA1	1.1	2.2	B.2.4-7b	-2.4444	0.00032	0	B.2.4-5b
Base	CSA1	2.2	2.2	B.2.4-5b	-3.4229	0.000391	0	B.2.4-5b
Base	CSB3	0	2.2	B.2.4-5b	-3.3038	0.000378	0	B.2.4-5b

Table: Concrete Slab Design - Flexure and Shear Data, Part 1 of 4

Story	StripObject	Station	ConcWidth	FTopCombo	FTopMoment	FTopArea	FTopAMin	FBotCombo
Unitless	Unitless	m	m	Unitless	tonf-m	m²	m²	Unitless
Base	CSB3	1.1	2.2	B.2.4-7b	-3.2107	0.000364	0	B.2.4-5b
Base	CSB3	2.2	2.2	B.2.4-5b	-2.4039	0.000325	0	B.2.4-5b
Base	CSA3	0	2.8	B.2.4-5b	-2.0108	0.000311	0	B.2.4-5b
Base	CSA3	0.7	2.8	B.2.4-7b	-4.4254	0.000651	0	B.2.4-5b
Base	CSA3	1.4	2.8	B.2.4-7b	-4.2046	0.000577	0	B.2.4-5b
Base	CSA3	2.1	2.8	B.2.4-7b	-4.8245	0.000569	0	B.2.4-5b
Base	CSA3	2.8	2.8	B.2.4-5b	-3.4544	0.000441	0	B.2.4-5b
Base	CSB4	0	2.8	B.2.4-5b	-2.2654	0.000299	0	B.2.4-5b
Base	CSB4	0.7	2.8	B.2.4-7b	-5.1591	0.000565	0	B.2.4-5b
Base	CSB4	1.4	2.8	B.2.4-7b	-5.6842	0.00062	0	B.2.4-5b
Base	CSB4	2.1	2.8	B.2.4-7b	-4.7228	0.000545	0	B.2.4-5b
Base	CSB4	2.8	2.8	B.2.4-5b	-3.0486	0.000389	0	B.2.4-5b
Base	CSA4	0	3.3	B.2.4-5b	-2.6731	0.000309	0	B.2.4-5b
Base	CSA4	0.825	3.3	B.2.4-7b	-5.6026	0.000694	0	B.2.4-5b
Base	CSA4	1.65	3.3	B.2.4-7b	-8.8205	0.000758	0	B.2.4-5b
Base	CSA4	2.475	3.3	B.2.4-7b	-7.1329	0.000783	0	B.2.4-5b
Base	CSA4	3.3	3.3	B.2.4-5b	-3.3429	0.000344	0	B.2.4-5b
Base	CSB5	0	3.3	B.2.4-5b	-2.517	0.000358	0	B.2.4-5b
Base	CSB5	0.825	3.3	B.2.4-7b	-6.3616	0.000837	0	B.2.4-5b
Base	CSB5	1.65	3.3	B.2.4-7b	-9.6369	0.000926	0	B.2.4-5b
Base	CSB5	2.475	3.3	B.2.4-7b	-7.3058	0.000909	0	B.2.4-5b
Base	CSB5	3.3	3.3	B.2.4-5b	-3.1697	0.000412	0	B.2.4-5b
Base	CSA2	0	3.9	B.2.4-5b	-5.684	0.000564	0.003878	B.2.4-5b
Base	CSA2	0.975	3.9	B.2.4-7b	-8.3279	0.000899	0	B.2.4-5b
Base	CSA2	1.95	3.9	B.2.4-7b	-4.8755	0.00062	0	B.2.4-5b
Base	CSA2	2.925	3.9	B.2.4-7b	-7.3871	0.000774	0	B.2.4-5b
Base	CSA2	3.9	3.9	B.2.4-7b	-3.8127	0.000536	0	B.2.4-5b
Base	CSB6	0	3.9	B.2.4-5b	-2.186	0.000327	0	B.2.4-5b
Base	CSB6	0.975	3.9	B.2.4-7b	-1.5693	0.000351	0	B.2.4-5b
Base	CSB6	1.95	3.9	B.2.4-7b	-6.6313	0.000766	0	B.2.4-5b
Base	CSB6	2.925	3.9	B.2.4-7b	-10.8886	0.001037	0	B.2.4-5b
Base	CSB6	3.9	3.9	B.2.4-5b	-5.8915	0.000674	0	B.2.4-5b
Base	CSA5	0	4.6	B.2.4-5b	-2.8833	0.000385	0	B.2.4-5b
Base	CSA5	1.15	4.6	B.2.4-7b	-1.9193	0.000383	0	B.2.4-5b
Base	CSA5	2.3	4.6	B.2.4-7b	-8.6447	0.000842	0	B.2.4-5b
Base	CSA5	3.45	4.6	B.2.4-7b	-2.1057	0.000383	0	B.2.4-5b
Base	CSA5	4.6	4.6	B.2.4-5b	-2.8902	0.000383	0	B.2.4-5b
Base	CSB7	0	4.6	B.2.4-7b	-2.4672	0.000376	0	B.2.4-5b
Base	CSB7	1.15	4.6	B.2.4-7b	-3.1794	0.000481	0	B.2.4-5b
Base	CSB7	2.3	4.6	B.2.4-7b	-10.1603	0.000938	0	B.2.4-5b
Base	CSB7	3.45	4.6	B.2.4-7b	-3.4939	0.000491	0	B.2.4-5b
Base	CSB7	4.6	4.6	B.2.4-7b	-2.5757	0.000382	0	B.2.4-5b
Base	CSA6	0	5.2	B.2.4-5b	-2.663	0.000376	0	B.2.4-5b
Base	CSA6	0.86667	5.2	B.2.4-7b	-2.8266	0.000455	0	B.2.4-5b
Base	CSA6	1.73333	5.2	B.2.4-7b	-10.0343	0.00109	0	B.2.4-5b
Base	CSA6	2.6	5.2	B.2.4-7b	-5.503	0.000771	0	B.2.4-5b
Base	CSA6	3.46667	5.2	B.2.4-7b	-7.5373	0.000911	0	B.2.4-5b
Base	CSA6	4.33333	5.2	B.2.4-7b	-5.456	0.000739	0	B.2.4-5b

Table: Concrete Slab Design - Flexure and Shear Data, Part 1 of 4

Story	StripObject	Station	ConcWidth	FTopCombo	FTopMoment	FTopArea	FTopAMin	FBotCombo
Unitless	Unitless	m	m	Unitless	tonf-m	m²	m²	Unitless
Base	CSA6	5.2	5.2	B.2.4-5b	-3.5749	0.000445	0	B.2.4-5b
Base	CSB8	0	5.2	B.2.4-5b	-2.1644	0.000316	0	B.2.4-5b
Base	CSB8	0.9	5.2	B.2.4-7b	-2.5819	0.000426	0	B.2.4-5b
Base	CSB8	1.8	5.2	B.2.4-7b	-7.4903	0.00091	0	B.2.4-5b
Base	CSB8	2.7	5.2	B.2.4-7b	-5.7774	0.00079	0	B.2.4-5b
Base	CSB8	3.53333	5.2	B.2.4-7b	-9.8995	0.001093	0	B.2.4-5b
Base	CSB8	4.36667	5.2	B.2.4-7b	-4.6579	0.000685	0	B.2.4-5b
Base	CSB8	5.2	5.2	B.2.4-5b	-2.9673	0.000404	0	B.2.4-5b
Base	CSA7	0	3.9	B.2.4-5b	-8.3237	0.001008	0.003878	B.2.4-5b
Base	CSA7	1.1	3.9	B.2.4-7b	-5.1214	0.000716	0	B.2.4-5b
Base	CSA7	2.3	3.9	B.2.4-7b	-11.1395	0.000989	0	B.2.4-5b
Base	CSA7	3.2	3.9	B.2.4-5b	-8.4633	0.000892	0	B.2.4-5b
Base	CSA7	3.75	3.9	B.2.4-5b	-8.5028	0.000872	0	B.2.4-5b
Base	CSA7	4.2	3.9	B.2.4-5b	-8.0118	0.00074	0.003878	B.2.4-5b
Base	CSB9	0	4.2	B.2.4-5b	-10.5899	0.001198	0	B.2.4-5b
Base	CSB9	1.15	4.2	B.2.4-7b	-9.6448	0.001043	0	B.2.4-5b
Base	CSB9	1.6	4.2	B.2.4-7b	-14.1719	0.001267	0	B.2.4-5b
Base	CSB9	2.29	4.2	B.2.4-5b	-11.3613	0.00108	0	B.2.4-5b
Base	CSB9	2.98	4.2	B.2.4-7b	-10.2069	0.001037	0	B.2.4-5b
Base	CSB9	3.3	4.2	B.2.4-5b	-9.9707	0.001108	0	B.2.4-5b
Base	CSB9	3.9	4.2	B.2.4-5b	-7.4337	0.000846	0.004176	B.2.4-5b
Base	CSA8	0	3.6	B.2.4-5b	-2.9372	0.000341	0	B.2.4-5b
Base	CSA8	1.15	3.6	B.2.4-7b	-0.4666	0.000156	0	B.2.4-5b
Base	CSA8	2.3	3.6	B.2.4-5b	-2.7595	0.000307	0	B.2.4-5b
Base	CSB10	0	2.3	B.2.4-5b	-3.0304	0.000329	0	B.2.4-5b
Base	CSB10	0.925	2.3	B.2.4-7b	-1.2531	0.000185	0	B.2.4-5b
Base	CSB10	1.615	2.3	B.2.4-7b	-0.3472	0.000121	0	B.2.4-5b
Base	CSB10	2.305	2.3	B.2.4-7b	-1.6863	0.000288	0	B.2.4-5b
Base	CSB10	2.475	2.3	B.2.4-7b	-1.5483	0.000269	0	B.2.4-5b
Base	CSB10	3.6	2.3	B.2.4-5b	-2.347	0.000307	0.002079	B.2.4-5b
Base	CSA9	0	2.6	B.2.4-5b	-2.0053	0.000348	0	B.2.4-5b
Base	CSA9	0.65	2.6	B.2.4-7b	-4.6835	0.000599	0	B.2.4-5b
Base	CSA9	1	2.6	B.2.4-7b	-6.5698	0.000686	0	B.2.4-5b
Base	CSA9	1.9	2.6	B.2.4-7b	-2.5712	0.000426	0	B.2.4-5b
Base	CSA9	2.6	2.6	B.2.4-5b	-2.5783	0.000344	0	B.2.4-5b
Base	CSB13	0	2.6	B.2.4-5b	-2.4425	0.000348	0	B.2.4-5b
Base	CSB13	1	2.6	B.2.4-7b	-2.9095	0.000501	0	B.2.4-5b
Base	CSB13	1.65	2.6	B.2.4-7b	-6.8473	0.000756	0	B.2.4-5b
Base	CSB13	2.25	2.6	B.2.4-7b	-3.8965	0.000557	0	B.2.4-5b
Base	CSB13	2.6	2.6	B.2.4-5b	-2.3639	0.000408	0	B.2.4-5b

Table: Concrete Slab Design - Flexure and Shear Data, Part 2 of 4

Table: Concrete Slab Design - Flexure and Shear Data, Part 2 of 4

Story	StripObject	Station	FTopCombo	FBotCombo	FBotMoment	FBotArea	FBotAMin	AxialForce
Unitless	Unitless	m	Unitless	Unitless	tonf-m	m²	m²	tonf
Base	CSB1	0	B.2.4-5b	B.2.4-5b	2.9696	0.000407	0.001446	-8.6507
Base	CSB1	1	B.2.4-7b	B.2.4-5b	8.0366	0.000828	0.001446	-7.2491

Table: Concrete Slab Design - Flexure and Shear Data, Part 2 of 4

Story	StripObject	Station	FTopCombo	FBotCombo	FBotMoment	FBotArea	FBotAMin	AxialForce
Unitless	Unitless	m	Unitless	Unitless	tonf-m	m²	m²	tonf
Base	CSB1	2	B.2.4-5b	B.2.4-5b	2.8264	0.000384	0.001446	-8.0526
Base	CSB2	0	B.2.4-5b	B.2.4-5b	1.6714	0.000299	0.001446	-8.9322
Base	CSB2	1	B.2.4-7b	B.2.4-5b	9.4702	0.000953	0.001446	-7.3474
Base	CSB2	2	B.2.4-5b	B.2.4-5b	3.883	0.00047	0.001446	-7.7229
Base	CSA1	0	B.2.4-5b	B.2.4-5b	3.6915	0.000415	0.00179	-9.2979
Base	CSA1	1.1	B.2.4-7b	B.2.4-5b	11.6708	0.000963	0.00179	-7.4433
Base	CSA1	2.2	B.2.4-5b	B.2.4-5b	3.505	0.000397	0.00179	-8.9944
Base	CSB3	0	B.2.4-5b	B.2.4-5b	3.4027	0.000385	0.00179	-7.896
Base	CSB3	1.1	B.2.4-7b	B.2.4-5b	11.6351	0.000997	0.00179	-7.4596
Base	CSB3	2.2	B.2.4-5b	B.2.4-5b	2.4861	0.000332	0.00179	-8.7692
Base	CSA3	0	B.2.4-5b	B.2.4-5b	2.5531	0.000346	0.002531	-11.6669
Base	CSA3	0.7	B.2.4-7b	B.2.4-5b	10.1636	0.001021	0.002531	-23.4926
Base	CSA3	1.4	B.2.4-7b	B.2.4-5b	21.0623	0.001657	0.002531	-19.7078
Base	CSA3	2.1	B.2.4-7b	B.2.4-5b	9.6121	0.000875	0.002531	-16.7062
Base	CSA3	2.8	B.2.4-5b	B.2.4-5b	3.6854	0.000455	0.002531	-14.074
Base	CSB4	0	B.2.4-5b	B.2.4-5b	2.344	0.000304	0.002531	-9.2943
Base	CSB4	0.7	B.2.4-7b	B.2.4-5b	10.7964	0.000934	0.002531	-14.0412
Base	CSB4	1.4	B.2.4-7b	B.2.4-5b	22.4224	0.001727	0.002531	-15.3073
Base	CSB4	2.1	B.2.4-7b	B.2.4-5b	9.4321	0.00086	0.002531	-14.5531
Base	CSB4	2.8	B.2.4-5b	B.2.4-5b	3.0832	0.000391	0.002531	-11.6892
Base	CSA4	0	B.2.4-5b	B.2.4-5b	3.5205	0.000357	0.003281	-10.1973
Base	CSA4	0.825	B.2.4-7b	B.2.4-5b	13.0305	0.001118	0.003281	-24.3046
Base	CSA4	1.65	B.2.4-7b	B.2.4-5b	30.8062	0.002016	0.003281	-16.7371
Base	CSA4	2.475	B.2.4-7b	B.2.4-5b	14.5647	0.001208	0.003281	-24.4677
Base	CSA4	3.3	B.2.4-5b	B.2.4-5b	3.9781	0.000379	0.003281	-9.97
Base	CSB5	0	B.2.4-5b	B.2.4-5b	3.3678	0.000408	0.003281	-13.3024
Base	CSB5	0.825	B.2.4-7b	B.2.4-5b	13.7752	0.001267	0.003281	-29.3009
Base	CSB5	1.65	B.2.4-7b	B.2.4-5b	31.6014	0.002219	0.003281	-22.9598
Base	CSB5	2.475	B.2.4-7b	B.2.4-5b	14.7068	0.001348	0.003281	-30.3734
Base	CSB5	3.3	B.2.4-5b	B.2.4-5b	3.8245	0.00045	0.003281	-14.2989
Base	CSA2	0	B.2.4-5b	B.2.4-5b	5.6216	0.00056	0	-15.6488
Base	CSA2	0.975	B.2.4-7b	B.2.4-5b	20.5941	0.0016	0.003878	-27.6488
Base	CSA2	1.95	B.2.4-7b	B.2.4-5b	45.9518	0.002974	0.003878	-22.6573
Base	CSA2	2.925	B.2.4-7b	B.2.4-5b	26.5724	0.001863	0.003878	-22.9804
Base	CSA2	3.9	B.2.4-7b	B.2.4-5b	5.598	0.000638	0.003878	-20.8222
Base	CSB6	0	B.2.4-5b	B.2.4-5b	2.676	0.000356	0.003878	-12.6108
Base	CSB6	0.975	B.2.4-7b	B.2.4-5b	14.8347	0.001149	0.003878	-17.7808
Base	CSB6	1.95	B.2.4-7b	B.2.4-5b	47.799	0.003188	0.003878	-23.8941
Base	CSB6	2.925	B.2.4-7b	B.2.4-5b	24.7226	0.001849	0.003878	-25.3628
Base	CSB6	3.9	B.2.4-5b	B.2.4-5b	7.4085	0.000763	0.003878	-20.8412
Base	CSA5	0	B.2.4-5b	B.2.4-5b	4.4254	0.00047	0.00499	-15.9414
Base	CSA5	1.15	B.2.4-7b	B.2.4-5b	21.6379	0.001418	0.00499	-20.1626
Base	CSA5	2.3	B.2.4-7b	B.2.4-5b	68.2413	0.003921	0.00499	-26.2156
Base	CSA5	3.45	B.2.4-7b	B.2.4-5b	21.4804	0.001395	0.00499	-19.315
Base	CSA5	4.6	B.2.4-5b	B.2.4-5b	4.511	0.00047	0.00499	-15.7019
Base	CSB7	0	B.2.4-7b	B.2.4-5b	4.5992	0.000499	0.00499	-16.4084
Base	CSB7	1.15	B.2.4-7b	B.2.4-5b	23.0729	0.001541	0.00499	-20.9492
Base	CSB7	2.3	B.2.4-7b	B.2.4-5b	70.6084	0.004146	0.00499	-25.9365
Base	CSB7	3.45	B.2.4-7b	B.2.4-5b	23.8368	0.001569	0.00499	-20.1583

Table: Concrete Slab Design - Flexure and Shear Data, Part 2 of 4

Story	StripObject	Station	FTopCombo	FBotCombo	FBotMoment	FBotArea	FBotAMin	AxialForce
Unitless	Unitless	m	Unitless	Unitless	tonf-m	m²	m²	tonf
Base	CSB7	4.6	B.2.4-7b	B.2.4-5b	4.5253	0.000494	0.00499	-16.3652
Base	CSA6	0	B.2.4-5b	B.2.4-5b	4.2458	0.000465	0.005641	-16.2553
Base	CSA6	0.86667	B.2.4-7b	B.2.4-5b	13.1585	0.001001	0.005641	-21.4562
Base	CSA6	1.73333	B.2.4-7b	B.2.4-5b	43.2328	0.002793	0.005641	-37.7591
Base	CSA6	2.6	B.2.4-7b	B.2.4-5b	66.7304	0.003952	0.005641	-33.5514
Base	CSA6	3.46667	B.2.4-7b	B.2.4-5b	44.0744	0.002796	0.005641	-34.4
Base	CSA6	4.33333	B.2.4-7b	B.2.4-5b	13.8222	0.00119	0.005641	-30.8877
Base	CSA6	5.2	B.2.4-5b	B.2.4-5b	3.6405	0.000449	0.005641	-17.2729
Base	CSB8	0	B.2.4-5b	B.2.4-5b	3.6004	0.000398	0.005641	-13.3903
Base	CSB8	0.9	B.2.4-7b	B.2.4-5b	13.2512	0.000999	0.005641	-19.4362
Base	CSB8	1.8	B.2.4-7b	B.2.4-5b	38.1943	0.002524	0.005641	-33.0154
Base	CSB8	2.7	B.2.4-7b	B.2.4-5b	65.0151	0.003932	0.005641	-31.6806
Base	CSB8	3.53333	B.2.4-7b	B.2.4-5b	47.2205	0.003073	0.005641	-36.6668
Base	CSB8	4.36667	B.2.4-7b	B.2.4-5b	13.4109	0.001172	0.005641	-29.1396
Base	CSB8	5.2	B.2.4-5b	B.2.4-5b	3.8538	0.000455	0.005641	-16.1531
Base	CSA7	0	B.2.4-5b	B.2.4-5b	8.206	0.001001	0	-34.6491
Base	CSA7	1.1	B.2.4-7b	B.2.4-5b	23.9895	0.001781	0.003878	-26.4538
Base	CSA7	2.3	B.2.4-7b	B.2.4-5b	36.0547	0.002415	0.003878	-23.1665
Base	CSA7	3.2	B.2.4-5b	B.2.4-5b	13.1944	0.00116	0.003878	-26.6997
Base	CSA7	3.75	B.2.4-5b	B.2.4-5b	11.2434	0.001028	0.003878	-25.2668
Base	CSA7	4.2	B.2.4-5b	B.2.4-5b	7.6382	0.000719	0	-18.535
Base	CSB9	0	B.2.4-5b	B.2.4-5b	11.1538	0.00123	0.004176	-36.5313
Base	CSB9	1.15	B.2.4-7b	B.2.4-5b	27.5999	0.00209	0.004176	-31.1662
Base	CSB9	1.6	B.2.4-7b	B.2.4-5b	30.5199	0.00224	0.004176	-27.7749
Base	CSB9	2.29	B.2.4-5b	B.2.4-5b	16.9253	0.001413	0.004176	-26.8491
Base	CSB9	2.98	B.2.4-7b	B.2.4-5b	20.1574	0.001631	0.004176	-27.8345
Base	CSB9	3.3	B.2.4-5b	B.2.4-5b	17.5319	0.001548	0.004176	-33.149
Base	CSB9	3.9	B.2.4-5b	B.2.4-5b	7.2686	0.000836	0	-25.9721
Base	CSA8	0	B.2.4-5b	B.2.4-5b	3.402	0.00037	0.003254	-9.8186
Base	CSA8	1.15	B.2.4-7b	B.2.4-5b	15.4869	0.001094	0.003254	-6.9611
Base	CSA8	2.3	B.2.4-5b	B.2.4-5b	2.8694	0.000314	0.003254	-8.3963
Base	CSB10	0	B.2.4-5b	B.2.4-5b	3.216	0.000341	0.002079	-8.0483
Base	CSB10	0.925	B.2.4-7b	B.2.4-5b	7.8058	0.000815	0.002079	-6.3222
Base	CSB10	1.615	B.2.4-7b	B.2.4-5b	6.0137	0.000521	0.002079	-7.7674
Base	CSB10	2.305	B.2.4-7b	B.2.4-5b	15.939	0.001227	0.002079	-11.1115
Base	CSB10	2.475	B.2.4-7b	B.2.4-5b	11.0273	0.00089	0.002079	-10.4352
Base	CSB10	3.6	B.2.4-5b	B.2.4-5b	1.8989	0.000278	0	-9.4821
Base	CSA9	0	B.2.4-5b	B.2.4-5b	2.0946	0.000355	0.00235	-14.4054
Base	CSA9	0.65	B.2.4-7b	B.2.4-5b	8.4122	0.000838	0.00235	-19.2399
Base	CSA9	1	B.2.4-7b	B.2.4-5b	13.4355	0.00112	0.00235	-17.0914
Base	CSA9	1.9	B.2.4-7b	B.2.4-5b	7.246	0.000724	0.00235	-16.9233
Base	CSA9	2.6	B.2.4-5b	B.2.4-5b	2.8585	0.000362	0.00235	-11.487
Base	CSB13	0	B.2.4-5b	B.2.4-5b	2.4492	0.000348	0.00235	-11.5867
Base	CSB13	1	B.2.4-7b	B.2.4-5b	10.7453	0.001011	0.00235	-19.1967
Base	CSB13	1.65	B.2.4-7b	B.2.4-5b	16.7903	0.001406	0.00235	-18.9581
Base	CSB13	2.25	B.2.4-7b	B.2.4-5b	5.3132	0.00065	0.00235	-18.5918
Base	CSB13	2.6	B.2.4-5b	B.2.4-5b	2.4486	0.000416	0.00235	-15.7136

Table: Concrete Slab Design - Flexure and Shear Data, Part 3 of 4

Table: Concrete Slab Design - Flexure and Shear Data, Part 3 of 4

Story	StripObject	Station	FTopCombo	FBotCombo	VCombo	VForce	VArea	Status
Unitless	Unitless	m	Unitless	Unitless	Unitless	tonf	m²/m	Unitless
Base	CSB1	0	B.2.4-5b	B.2.4-5b	B.2.4-5b	6.6655	0	OK
Base	CSB1	1	B.2.4-7b	B.2.4-5b	B.2.4-5b	6.6655	0	OK
Base	CSB1	2	B.2.4-5b	B.2.4-5b	B.2.4-5b	6.423	0	OK
Base	CSB2	0	B.2.4-5b	B.2.4-5b	B.2.4-5b	4.5809	0	OK
Base	CSB2	1	B.2.4-7b	B.2.4-5b	B.2.4-5b	8.0913	0	OK
Base	CSB2	2	B.2.4-5b	B.2.4-5b	B.2.4-5b	8.0913	0	OK
Base	CSA1	0	B.2.4-5b	B.2.4-5b	B.2.4-5b	7.9666	0	OK
Base	CSA1	1.1	B.2.4-7b	B.2.4-5b	B.2.4-5b	7.9666	0	OK
Base	CSA1	2.2	B.2.4-5b	B.2.4-5b	B.2.4-5b	7.6932	0	OK
Base	CSB3	0	B.2.4-5b	B.2.4-5b	B.2.4-5b	4.9571	0	OK
Base	CSB3	1.1	B.2.4-7b	B.2.4-5b	B.2.4-5b	8.8224	0	OK
Base	CSB3	2.2	B.2.4-5b	B.2.4-5b	B.2.4-5b	5.9629	0	OK
Base	CSA3	0	B.2.4-5b	B.2.4-5b	B.2.4-5b	5.7387	0	OK
Base	CSA3	0.7	B.2.4-7b	B.2.4-5b	B.2.4-5b	14.0385	0	OK
Base	CSA3	1.4	B.2.4-7b	B.2.4-5b	B.2.4-5b	18.1557	0	OK
Base	CSA3	2.1	B.2.4-7b	B.2.4-5b	B.2.4-5b	17.9832	0	OK
Base	CSA3	2.8	B.2.4-5b	B.2.4-5b	B.2.4-5b	6.262	0	OK
Base	CSB4	0	B.2.4-5b	B.2.4-5b	B.2.4-5b	5.2454	0	OK
Base	CSB4	0.7	B.2.4-7b	B.2.4-5b	B.2.4-5b	16.1554	0	OK
Base	CSB4	1.4	B.2.4-7b	B.2.4-5b	B.2.4-5b	16.4782	0	OK
Base	CSB4	2.1	B.2.4-7b	B.2.4-5b	B.2.4-5b	14.9197	0	OK
Base	CSB4	2.8	B.2.4-5b	B.2.4-5b	B.2.4-5b	4.2433	0	OK
Base	CSA4	0	B.2.4-5b	B.2.4-5b	B.2.4-5b	4.8553	0	OK
Base	CSA4	0.825	B.2.4-7b	B.2.4-5b	B.2.4-5b	17.8103	0	OK
Base	CSA4	1.65	B.2.4-7b	B.2.4-5b	B.2.4-5b	19.7802	0	OK
Base	CSA4	2.475	B.2.4-7b	B.2.4-5b	B.2.4-5b	24.1756	0	OK
Base	CSA4	3.3	B.2.4-5b	B.2.4-5b	B.2.4-5b	7.2773	0	OK
Base	CSB5	0	B.2.4-5b	B.2.4-5b	B.2.4-5b	5.382	0	OK
Base	CSB5	0.825	B.2.4-7b	B.2.4-5b	B.2.4-5b	19.2529	0	OK
Base	CSB5	1.65	B.2.4-7b	B.2.4-5b	B.2.4-5b	14.3006	0	OK
Base	CSB5	2.475	B.2.4-7b	B.2.4-5b	B.2.4-5b	16.8847	0	OK
Base	CSB5	3.3	B.2.4-5b	B.2.4-5b	B.2.4-5b	7.4765	0	OK
Base	CSA2	0	B.2.4-5b	B.2.4-5b	B.2.4-5b	9.2059	0	OK
Base	CSA2	0.975	B.2.4-7b	B.2.4-5b	B.2.4-5b	34.2056	0	OK
Base	CSA2	1.95	B.2.4-7b	B.2.4-5b	B.2.4-5b	24.963	0	OK
Base	CSA2	2.925	B.2.4-7b	B.2.4-5b	B.2.4-5b	31.8098	0	OK
Base	CSA2	3.9	B.2.4-7b	B.2.4-5b	B.2.4-5b	9.1753	0	OK
Base	CSB6	0	B.2.4-5b	B.2.4-5b	B.2.4-5b	2.8336	0	OK
Base	CSB6	0.975	B.2.4-7b	B.2.4-5b	B.2.4-5b	16.1098	0	OK
Base	CSB6	1.95	B.2.4-7b	B.2.4-5b	B.2.4-5b	23.6904	0	OK
Base	CSB6	2.925	B.2.4-7b	B.2.4-5b	B.2.4-5b	33.0857	0	OK
Base	CSB6	3.9	B.2.4-5b	B.2.4-5b	B.2.4-5b	10.0819	0	OK
Base	CSA5	0	B.2.4-5b	B.2.4-5b	B.2.4-5b	9.7446	0	OK
Base	CSA5	1.15	B.2.4-7b	B.2.4-5b	B.2.4-5b	22.7362	0	OK
Base	CSA5	2.3	B.2.4-7b	B.2.4-5b	B.2.4-5b	32.0311	0	OK
Base	CSA5	3.45	B.2.4-7b	B.2.4-5b	B.2.4-5b	23.1872	0	OK
Base	CSA5	4.6	B.2.4-5b	B.2.4-5b	B.2.4-5b	10.1324	0	OK

Table: Concrete Slab Design - Flexure and Shear Data, Part 3 of 4

Story	StripObject	Station	FTopCombo	FBotCombo	VCombo	VForce	VArea	Status
Unitless	Unitless	m	Unitless	Unitless	Unitless	tonf	m²/m	Unitless
Base	CSB7	0	B.2.4-7b	B.2.4-5b	B.2.4-5b	10.3037	0	OK
Base	CSB7	1.15	B.2.4-7b	B.2.4-5b	B.2.4-5b	23.1865	0	OK
Base	CSB7	2.3	B.2.4-7b	B.2.4-5b	B.2.4-5b	31.1704	0	OK
Base	CSB7	3.45	B.2.4-7b	B.2.4-5b	B.2.4-5b	24.3128	0	OK
Base	CSB7	4.6	B.2.4-7b	B.2.4-5b	B.2.4-5b	10.8652	0	OK
Base	CSA6	0	B.2.4-5b	B.2.4-5b	B.2.4-5b	8.0217	0	OK
Base	CSA6	0.86667	B.2.4-7b	B.2.4-5b	B.2.4-5b	17.317	0	OK
Base	CSA6	1.73333	B.2.4-7b	B.2.4-5b	B.2.4-5b	44.1724	0	OK
Base	CSA6	2.6	B.2.4-7b	B.2.4-5b	B.2.4-5b	28.8875	0	OK
Base	CSA6	3.46667	B.2.4-7b	B.2.4-5b	B.2.4-5b	34.8431	0	OK
Base	CSA6	4.33333	B.2.4-7b	B.2.4-5b	B.2.4-5b	21.0238	0	OK
Base	CSA6	5.2	B.2.4-5b	B.2.4-5b	B.2.4-5b	7.0341	0	OK
Base	CSB8	0	B.2.4-5b	B.2.4-5b	B.2.4-5b	2.6609	0	OK
Base	CSB8	0.9	B.2.4-7b	B.2.4-5b	B.2.4-5b	11.5282	0	OK
Base	CSB8	1.8	B.2.4-7b	B.2.4-5b	B.2.4-5b	36.2836	0	OK
Base	CSB8	2.7	B.2.4-7b	B.2.4-5b	B.2.4-5b	23.1096	0	OK
Base	CSB8	3.53333	B.2.4-7b	B.2.4-5b	B.2.4-5b	42.9819	0	OK
Base	CSB8	4.36667	B.2.4-7b	B.2.4-5b	B.2.4-5b	21.302	0	OK
Base	CSB8	5.2	B.2.4-5b	B.2.4-5b	B.2.4-5b	6.8503	0	OK
Base	CSA7	0	B.2.4-5b	B.2.4-5b	B.2.4-5b	13.1928	0	OK
Base	CSA7	1.1	B.2.4-7b	B.2.4-5b	B.2.4-5b	11.7389	0	OK
Base	CSA7	2.3	B.2.4-7b	B.2.4-5b	B.2.4-5b	23.9684	0	OK
Base	CSA7	3.2	B.2.4-5b	B.2.4-5b	B.2.4-5b	23.9684	0	OK
Base	CSA7	3.75	B.2.4-5b	B.2.4-5b	B.2.4-5b	9.3748	0	OK
Base	CSA7	4.2	B.2.4-5b	B.2.4-5b	B.2.4-5b	6.7254	0	OK
Base	CSB9	0	B.2.4-5b	B.2.4-5b	B.2.4-5b	15.7523	0	OK
Base	CSB9	1.15	B.2.4-7b	B.2.4-5b	B.2.4-5b	15.7523	0	OK
Base	CSB9	1.6	B.2.4-7b	B.2.4-5b	B.2.4-1	9.578	0	OK
Base	CSB9	2.29	B.2.4-5b	B.2.4-5b	B.2.4-5b	10.7214	0	OK
Base	CSB9	2.98	B.2.4-7b	B.2.4-5b	B.2.4-5b	10.7214	0	OK
Base	CSB9	3.3	B.2.4-5b	B.2.4-5b	B.2.4-5b	6.52	0	OK
Base	CSB9	3.9	B.2.4-5b	B.2.4-5b	B.2.4-5b	9.5726	0	OK
Base	CSA8	0	B.2.4-5b	B.2.4-5b	B.2.4-5b	10.6477	0	OK
Base	CSA8	1.15	B.2.4-7b	B.2.4-5b	B.2.4-5b	12.5322	0	OK
Base	CSA8	2.3	B.2.4-5b	B.2.4-5b	B.2.4-5b	10.3038	0	OK
Base	CSB10	0	B.2.4-5b	B.2.4-5b	B.2.4-5b	6.8714	0	OK
Base	CSB10	0.925	B.2.4-7b	B.2.4-5b	B.2.4-5b	6.8714	0	OK
Base	CSB10	1.615	B.2.4-7b	B.2.4-5b	B.2.4-5b	2.6293	0	OK
Base	CSB10	2.305	B.2.4-7b	B.2.4-5b	B.2.4-5b	16.0392	0	OK
Base	CSB10	2.475	B.2.4-7b	B.2.4-5b	B.2.4-5b	13.3125	0	OK
Base	CSB10	3.6	B.2.4-5b	B.2.4-5b	B.2.4-5b	7.8616	0	OK
Base	CSA9	0	B.2.4-5b	B.2.4-5b	B.2.4-5b	5.4602	0	OK
Base	CSA9	0.65	B.2.4-7b	B.2.4-5b	B.2.4-5b	14.4469	0	OK
Base	CSA9	1	B.2.4-7b	B.2.4-5b	B.2.4-5b	14.4469	0	OK
Base	CSA9	1.9	B.2.4-7b	B.2.4-5b	B.2.4-5b	5.7508	0	OK
Base	CSA9	2.6	B.2.4-5b	B.2.4-5b	B.2.4-5b	5.7508	0	OK
Base	CSB13	0	B.2.4-5b	B.2.4-5b	B.2.4-5b	7.6305	0	OK
Base	CSB13	1	B.2.4-7b	B.2.4-5b	B.2.4-5b	7.6305	0	OK
Base	CSB13	1.65	B.2.4-7b	B.2.4-5b	B.2.4-5b	10.8656	0	OK

Table: Concrete Slab Design - Flexure and Shear Data, Part 3 of 4

Story	StripObject	Station	FTopCombo	FBotCombo	VCombo	VForce	VArea	Status
Unitless	Unitless	m	Unitless	Unitless	Unitless	tonf	m²/m	Unitless
Base	CSB13	2.25	B.2.4-7b	B.2.4-5b	B.2.4-5b	10.8656	0	OK
Base	CSB13	2.6	B.2.4-5b	B.2.4-5b	B.2.4-5b	2.8364	0	OK

Table: Concrete Slab Design - Flexure and Shear Data, Part 4 of 4

Table: Concrete Slab Design - Flexure and Shear Data, Part 4 of 4

Story	StripObject	Station	FTopCombo	FBotCombo	VCombo	GlobalX	GlobalY	Layer
Unitless	Unitless	m	Unitless	Unitless	Unitless	m	m	Unitless
Base	CSB1	0	B.2.4-5b	B.2.4-5b	B.2.4-5b	11	18.2	B
Base	CSB1	1	B.2.4-7b	B.2.4-5b	B.2.4-5b	12	18.2	B
Base	CSB1	2	B.2.4-5b	B.2.4-5b	B.2.4-5b	13	18.2	B
Base	CSB2	0	B.2.4-5b	B.2.4-5b	B.2.4-5b	12	17.2	B
Base	CSB2	1	B.2.4-7b	B.2.4-5b	B.2.4-5b	12	18.2	B
Base	CSB2	2	B.2.4-5b	B.2.4-5b	B.2.4-5b	12	19.2	B
Base	CSA1	0	B.2.4-5b	B.2.4-5b	B.2.4-5b	28.9	-3.307	A
Base	CSA1	1.1	B.2.4-7b	B.2.4-5b	B.2.4-5b	30	-3.307	A
Base	CSA1	2.2	B.2.4-5b	B.2.4-5b	B.2.4-5b	31.1	-3.307	A
Base	CSB3	0	B.2.4-5b	B.2.4-5b	B.2.4-5b	30	-4.407	B
Base	CSB3	1.1	B.2.4-7b	B.2.4-5b	B.2.4-5b	30	-3.307	B
Base	CSB3	2.2	B.2.4-5b	B.2.4-5b	B.2.4-5b	30	-2.207	B
Base	CSA3	0	B.2.4-5b	B.2.4-5b	B.2.4-5b	40.6	0	A
Base	CSA3	0.7	B.2.4-7b	B.2.4-5b	B.2.4-5b	41.3	0	A
Base	CSA3	1.4	B.2.4-7b	B.2.4-5b	B.2.4-5b	42	0	A
Base	CSA3	2.1	B.2.4-7b	B.2.4-5b	B.2.4-5b	42.7	0	A
Base	CSA3	2.8	B.2.4-5b	B.2.4-5b	B.2.4-5b	43.4	0	A
Base	CSB4	0	B.2.4-5b	B.2.4-5b	B.2.4-5b	42	-1.4	B
Base	CSB4	0.7	B.2.4-7b	B.2.4-5b	B.2.4-5b	42	-0.7	B
Base	CSB4	1.4	B.2.4-7b	B.2.4-5b	B.2.4-5b	42	0	B
Base	CSB4	2.1	B.2.4-7b	B.2.4-5b	B.2.4-5b	42	0.7	B
Base	CSB4	2.8	B.2.4-5b	B.2.4-5b	B.2.4-5b	42	1.4	B
Base	CSA4	0	B.2.4-5b	B.2.4-5b	B.2.4-5b	56.37	14	A
Base	CSA4	0.825	B.2.4-7b	B.2.4-5b	B.2.4-5b	57.195	14	A
Base	CSA4	1.65	B.2.4-7b	B.2.4-5b	B.2.4-5b	58.02	14	A
Base	CSA4	2.475	B.2.4-7b	B.2.4-5b	B.2.4-5b	58.845	14	A
Base	CSA4	3.3	B.2.4-5b	B.2.4-5b	B.2.4-5b	59.67	14	A
Base	CSB5	0	B.2.4-5b	B.2.4-5b	B.2.4-5b	58.02	12.35	B
Base	CSB5	0.825	B.2.4-7b	B.2.4-5b	B.2.4-5b	58.02	13.175	B
Base	CSB5	1.65	B.2.4-7b	B.2.4-5b	B.2.4-5b	58.02	14	B
Base	CSB5	2.475	B.2.4-7b	B.2.4-5b	B.2.4-5b	58.02	14.825	B
Base	CSB5	3.3	B.2.4-5b	B.2.4-5b	B.2.4-5b	58.02	15.65	B
Base	CSA2	0	B.2.4-5b	B.2.4-5b	B.2.4-5b	52.05	14	A
Base	CSA2	0.975	B.2.4-7b	B.2.4-5b	B.2.4-5b	53.025	14	A
Base	CSA2	1.95	B.2.4-7b	B.2.4-5b	B.2.4-5b	54	14	A
Base	CSA2	2.925	B.2.4-7b	B.2.4-5b	B.2.4-5b	54.975	14	A
Base	CSA2	3.9	B.2.4-7b	B.2.4-5b	B.2.4-5b	55.95	14	A
Base	CSB6	0	B.2.4-5b	B.2.4-5b	B.2.4-5b	54	12.05	B
Base	CSB6	0.975	B.2.4-7b	B.2.4-5b	B.2.4-5b	54	13.025	B
Base	CSB6	1.95	B.2.4-7b	B.2.4-5b	B.2.4-5b	54	14	B
Base	CSB6	2.925	B.2.4-7b	B.2.4-5b	B.2.4-5b	54	14.975	B

Table: Concrete Slab Design - Flexure and Shear Data, Part 4 of 4

Story	StripObject	Station	FTopCombo	FBotCombo	VCombo	GlobalX	GlobalY	Layer
Unitless	Unitless	m	Unitless	Unitless	Unitless	m	m	Unitless
Base	CSB6	3.9	B.2.4-5b	B.2.4-5b	B.2.4-5b	54	15.95	B
Base	CSA5	0	B.2.4-5b	B.2.4-5b	B.2.4-5b	39.7	14	A
Base	CSA5	1.15	B.2.4-7b	B.2.4-5b	B.2.4-5b	40.85	14	A
Base	CSA5	2.3	B.2.4-7b	B.2.4-5b	B.2.4-5b	42	14	A
Base	CSA5	3.45	B.2.4-7b	B.2.4-5b	B.2.4-5b	43.15	14	A
Base	CSA5	4.6	B.2.4-5b	B.2.4-5b	B.2.4-5b	44.3	14	A
Base	CSB7	0	B.2.4-7b	B.2.4-5b	B.2.4-5b	42	11.7	B
Base	CSB7	1.15	B.2.4-7b	B.2.4-5b	B.2.4-5b	42	12.85	B
Base	CSB7	2.3	B.2.4-7b	B.2.4-5b	B.2.4-5b	42	14	B
Base	CSB7	3.45	B.2.4-7b	B.2.4-5b	B.2.4-5b	42	15.15	B
Base	CSB7	4.6	B.2.4-7b	B.2.4-5b	B.2.4-5b	42	16.3	B
Base	CSA6	0	B.2.4-5b	B.2.4-5b	B.2.4-5b	33.4	14	A
Base	CSA6	0.86667	B.2.4-7b	B.2.4-5b	B.2.4-5b	34.26667	14	A
Base	CSA6	1.73333	B.2.4-7b	B.2.4-5b	B.2.4-5b	35.13333	14	A
Base	CSA6	2.6	B.2.4-7b	B.2.4-5b	B.2.4-5b	36	14	A
Base	CSA6	3.46667	B.2.4-7b	B.2.4-5b	B.2.4-5b	36.86667	14	A
Base	CSA6	4.33333	B.2.4-7b	B.2.4-5b	B.2.4-5b	37.73333	14	A
Base	CSA6	5.2	B.2.4-5b	B.2.4-5b	B.2.4-5b	38.6	14	A
Base	CSB8	0	B.2.4-5b	B.2.4-5b	B.2.4-5b	36	11.3	B
Base	CSB8	0.9	B.2.4-7b	B.2.4-5b	B.2.4-5b	36	12.2	B
Base	CSB8	1.8	B.2.4-7b	B.2.4-5b	B.2.4-5b	36	13.1	B
Base	CSB8	2.7	B.2.4-7b	B.2.4-5b	B.2.4-5b	36	14	B
Base	CSB8	3.53333	B.2.4-7b	B.2.4-5b	B.2.4-5b	36	14.83333	B
Base	CSB8	4.36667	B.2.4-7b	B.2.4-5b	B.2.4-5b	36	15.66667	B
Base	CSB8	5.2	B.2.4-5b	B.2.4-5b	B.2.4-5b	36	16.5	B
Base	CSA7	0	B.2.4-5b	B.2.4-5b	B.2.4-5b	46.9	22.85	A
Base	CSA7	1.1	B.2.4-7b	B.2.4-5b	B.2.4-5b	48	22.85	A
Base	CSA7	2.3	B.2.4-7b	B.2.4-5b	B.2.4-5b	49.2	22.85	A
Base	CSA7	3.2	B.2.4-5b	B.2.4-5b	B.2.4-5b	50.1	22.85	A
Base	CSA7	3.75	B.2.4-5b	B.2.4-5b	B.2.4-5b	50.65	22.85	A
Base	CSA7	4.2	B.2.4-5b	B.2.4-5b	B.2.4-5b	51.1	22.85	A
Base	CSB9	0	B.2.4-5b	B.2.4-5b	B.2.4-5b	49.2	21.25	B
Base	CSB9	1.15	B.2.4-7b	B.2.4-5b	B.2.4-5b	49.2	22.4	B
Base	CSB9	1.6	B.2.4-7b	B.2.4-5b	B.2.4-1	49.2	22.85	B
Base	CSB9	2.29	B.2.4-5b	B.2.4-5b	B.2.4-5b	49.2	23.54	B
Base	CSB9	2.98	B.2.4-7b	B.2.4-5b	B.2.4-5b	49.2	24.23	B
Base	CSB9	3.3	B.2.4-5b	B.2.4-5b	B.2.4-5b	49.2	24.55	B
Base	CSB9	3.9	B.2.4-5b	B.2.4-5b	B.2.4-5b	49.2	25.15	B
Base	CSA8	0	B.2.4-5b	B.2.4-5b	B.2.4-5b	37.75	22.85	A
Base	CSA8	1.15	B.2.4-7b	B.2.4-5b	B.2.4-5b	38.9	22.85	A
Base	CSA8	2.3	B.2.4-5b	B.2.4-5b	B.2.4-5b	40.05	22.85	A
Base	CSB10	0	B.2.4-5b	B.2.4-5b	B.2.4-5b	38.9	21.925	B
Base	CSB10	0.925	B.2.4-7b	B.2.4-5b	B.2.4-5b	38.9	22.85	B
Base	CSB10	1.615	B.2.4-7b	B.2.4-5b	B.2.4-5b	38.9	23.54	B
Base	CSB10	2.305	B.2.4-7b	B.2.4-5b	B.2.4-5b	38.9	24.23	B
Base	CSB10	2.475	B.2.4-7b	B.2.4-5b	B.2.4-5b	38.9	24.4	B
Base	CSB10	3.6	B.2.4-5b	B.2.4-5b	B.2.4-5b	38.9	25.525	B
Base	CSA9	0	B.2.4-5b	B.2.4-5b	B.2.4-5b	23	-4.212	A
Base	CSA9	0.65	B.2.4-7b	B.2.4-5b	B.2.4-5b	23.65	-4.212	A

Table: Concrete Slab Design - Flexure and Shear Data, Part 4 of 4

Story	StripObject	Station	FTopCombo	FBotCombo	VCombo	GlobalX	GlobalY	Layer
Unitless	Unitless	m	Unitless	Unitless	Unitless	m	m	Unitless
Base	CSA9	1	B.2.4-7b	B.2.4-5b	B.2.4-5b	24	-4.212	A
Base	CSA9	1.9	B.2.4-7b	B.2.4-5b	B.2.4-5b	24.9	-4.212	A
Base	CSA9	2.6	B.2.4-5b	B.2.4-5b	B.2.4-5b	25.6	-4.212	A
Base	CSB13	0	B.2.4-5b	B.2.4-5b	B.2.4-5b	24	-5.212	B
Base	CSB13	1	B.2.4-7b	B.2.4-5b	B.2.4-5b	24	-4.212	B
Base	CSB13	1.65	B.2.4-7b	B.2.4-5b	B.2.4-5b	24	-3.562	B
Base	CSB13	2.25	B.2.4-7b	B.2.4-5b	B.2.4-5b	24	-2.962	B
Base	CSB13	2.6	B.2.4-5b	B.2.4-5b	B.2.4-5b	24	-2.612	B

1.22 REACCIONES EN APOYOS

Table: Joint Reactions, Part 1 of 2

Table: Joint Reactions, Part 1 of 2

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX	FY	FZ
Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	tonf	tonf	tonf
Base	1	476	Servicio (Análisis Estático)	Combination	Max	0.6867	0.5495	53.6896
Base	1	476	Servicio (Análisis Estático)	Combination	Min	0.4292	0.2684	29.3947
Base	2	481	Servicio (Análisis Estático)	Combination	Max	0.5915	-0.3734	45.7373
Base	2	481	Servicio (Análisis Estático)	Combination	Min	0.3169	-0.6596	24.7522
Base	3	486	Servicio (Análisis Estático)	Combination	Max	0.461	0.5592	49.7965
Base	3	486	Servicio (Análisis Estático)	Combination	Min	0.2327	0.3522	27.3171
Base	4	491	Servicio (Análisis Estático)	Combination	Max	0.1374	0.3673	74.0391
Base	4	491	Servicio (Análisis Estático)	Combination	Min	0.0263	0.2378	40.5627
Base	5	505	Servicio (Análisis Estático)	Combination	Max	-0.0174	0.4796	70.4963
Base	5	505	Servicio (Análisis Estático)	Combination	Min	-0.1269	0.2609	37.0127
Base	6	511	Servicio (Análisis Estático)	Combination	Max	0.1388	0.7984	61.4378
Base	6	511	Servicio (Análisis Estático)	Combination	Min	0.0258	0.4212	30.8816
Base	7	626	Servicio (Análisis Estático)	Combination	Max	-0.0108	0.9018	73.1457
Base	7	626	Servicio (Análisis Estático)	Combination	Min	-0.1032	0.4041	37.4713
Base	8	677	Servicio (Análisis Estático)	Combination	Max	0.1979	0.6008	78.4428
Base	8	677	Servicio (Análisis Estático)	Combination	Min	0.0519	0.238	41.0267

Table: Joint Reactions, Part 1 of 2

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX	FY	FZ
Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	tonf	tonf	tonf
Base	9	738	Servicio (Análisis Estático)	Combination	Max	-0.033	0.711	49.0288
Base	9	738	Servicio (Análisis Estático)	Combination	Min	-0.157	0.4212	25.9403
Base	10	783	Servicio (Análisis Estático)	Combination	Max	0.0178	1.1835	26.5257
Base	10	783	Servicio (Análisis Estático)	Combination	Min	-0.0076	0.6781	12.9278
Base	11	788	Servicio (Análisis Estático)	Combination	Max	-0.1078	0.9258	25.4427
Base	11	788	Servicio (Análisis Estático)	Combination	Min	-0.2121	0.5442	12.791
Base	12	793	Servicio (Análisis Estático)	Combination	Max	0.2316	0.2927	142.0532
Base	12	793	Servicio (Análisis Estático)	Combination	Min	0.0201	0.0465	75.6214
Base	13	798	Servicio (Análisis Estático)	Combination	Max	-0.008	-0.0843	116.9932
Base	13	798	Servicio (Análisis Estático)	Combination	Min	-0.0364	-0.2103	63.5368
Base	14	803	Servicio (Análisis Estático)	Combination	Max	0.1702	0.1728	165.433
Base	14	803	Servicio (Análisis Estático)	Combination	Min	0.0662	-0.0189	88.6794
Base	15	808	Servicio (Análisis Estático)	Combination	Max	0.1484	0.1344	129.488
Base	15	808	Servicio (Análisis Estático)	Combination	Min	0.0375	-0.0144	68.8219
Base	16	813	Servicio (Análisis Estático)	Combination	Max	0.1576	-0.098	146.5593
Base	16	813	Servicio (Análisis Estático)	Combination	Min	0.0723	-0.3528	77.1134
Base	17	818	Servicio (Análisis Estático)	Combination	Max	0.5277	-0.0455	118.1402
Base	17	818	Servicio (Análisis Estático)	Combination	Min	0.2483	-0.151	62.5191

Table: Joint Reactions, Part 1 of 2

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX	FY	FZ
Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	tonf	tonf	tonf
Base	18	823	Servicio (Análisis Estático)	Combination	Max	0.0876	-0.1547	154.558
Base	18	823	Servicio (Análisis Estático)	Combination	Min	-0.004	-0.5569	84.0803
Base	19	828	Servicio (Análisis Estático)	Combination	Max	-0.1426	-0.1182	144.6855
Base	19	828	Servicio (Análisis Estático)	Combination	Min	-0.1921	-0.2771	78.9845
Base	20	833	Servicio (Análisis Estático)	Combination	Max	0.0315	-0.1641	166.198
Base	20	833	Servicio (Análisis Estático)	Combination	Min	-0.113	-0.6856	87.161
Base	21	838	Servicio (Análisis Estático)	Combination	Max	0.0286	0.499	153.4245
Base	21	838	Servicio (Análisis Estático)	Combination	Min	-0.1426	0.0385	81.0746
Base	22	843	Servicio (Análisis Estático)	Combination	Max	0.2014	-0.0882	168.5756
Base	22	843	Servicio (Análisis Estático)	Combination	Min	0.0182	-0.6489	87.7263
Base	23	848	Servicio (Análisis Estático)	Combination	Max	0.2184	0.9371	148.7502
Base	23	848	Servicio (Análisis Estático)	Combination	Min	0.0279	0.3933	76.5842
Base	24	853	Servicio (Análisis Estático)	Combination	Max	-0.0119	-0.1099	146.6872
Base	24	853	Servicio (Análisis Estático)	Combination	Min	-0.1215	-0.4333	77.5446
Base	25	858	Servicio (Análisis Estático)	Combination	Max	-0.0169	0.5565	133.5606
Base	25	858	Servicio (Análisis Estático)	Combination	Min	-0.122	0.2442	68.934
Base	26	863	Servicio (Análisis Estático)	Combination	Max	-0.0575	-0.4669	138.7191
Base	26	863	Servicio (Análisis Estático)	Combination	Min	-0.1486	-0.8528	74.1997

Table: Joint Reactions, Part 1 of 2

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX	FY	FZ
Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	tonf	tonf	tonf
Base	27	868	Servicio (Análisis Estático)	Combination	Max	-0.0908	1.2666	131.4895
Base	27	868	Servicio (Análisis Estático)	Combination	Min	-0.2064	0.7818	69.8078
Base	28	873	Servicio (Análisis Estático)	Combination	Max	-0.168	-0.6141	109.7127
Base	28	873	Servicio (Análisis Estático)	Combination	Min	-0.3348	-1.1854	58.2981
Base	29	878	Servicio (Análisis Estático)	Combination	Max	-0.2031	1.0846	97.9084
Base	29	878	Servicio (Análisis Estático)	Combination	Min	-0.435	0.6577	52.7424
Base	33	898	Servicio (Análisis Estático)	Combination	Max	0.6903	-0.2143	66.8604
Base	33	898	Servicio (Análisis Estático)	Combination	Min	0.3116	-0.5139	37.528
Base	34	903	Servicio (Análisis Estático)	Combination	Max	-0.0085	0.6492	96.9373
Base	34	903	Servicio (Análisis Estático)	Combination	Min	-0.151	0.2742	51.427
Base	35	908	Servicio (Análisis Estático)	Combination	Max	0.142	0.3168	56.7002
Base	35	908	Servicio (Análisis Estático)	Combination	Min	0.0697	-0.1659	27.8795
Base	36	913	Servicio (Análisis Estático)	Combination	Max	0.0065	0.1029	54.763
Base	36	913	Servicio (Análisis Estático)	Combination	Min	-0.0596	-0.318	26.4901
Base	37	918	Servicio (Análisis Estático)	Combination	Max	-0.0684	-0.3767	41.1653
Base	37	918	Servicio (Análisis Estático)	Combination	Min	-0.2093	-0.5676	20.6428
Base	38	928	Servicio (Análisis Estático)	Combination	Max	-0.2765	-0.7741	43.2153
Base	38	928	Servicio (Análisis Estático)	Combination	Min	-0.7242	-1.5295	23.5034

Table: Joint Reactions, Part 1 of 2

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX	FY	FZ
Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	tonf	tonf	tonf
Base	39	933	Servicio (Análisis Estático)	Combination	Max	-0.3909	-0.5931	49.7121
Base	39	933	Servicio (Análisis Estático)	Combination	Min	-0.6521	-1.0551	26.4307
Base	40	938	Servicio (Análisis Estático)	Combination	Max	1.8636	-0.748	47.8377
Base	40	938	Servicio (Análisis Estático)	Combination	Min	0.6962	-1.8287	25.1026
Base	41	943	Servicio (Análisis Estático)	Combination	Max	0.1044	-0.62	47.1662
Base	41	943	Servicio (Análisis Estático)	Combination	Min	0.0631	-1.6093	24.1615
Base	42	948	Servicio (Análisis Estático)	Combination	Max	0.1919	-0.6772	48.2515
Base	42	948	Servicio (Análisis Estático)	Combination	Min	0.1155	-1.7385	24.7416
Base	43	953	Servicio (Análisis Estático)	Combination	Max	0.0318	-0.3294	31.0465
Base	43	953	Servicio (Análisis Estático)	Combination	Min	0.005	-0.7799	15.1927
Base	44	958	Servicio (Análisis Estático)	Combination	Max	0.1463	-0.2438	45.1044
Base	44	958	Servicio (Análisis Estático)	Combination	Min	-0.0083	-0.5611	23.0862
Base	45	963	Servicio (Análisis Estático)	Combination	Max	-0.1544	0.4182	44.0614
Base	45	963	Servicio (Análisis Estático)	Combination	Min	-0.2826	0.1157	23.4062
Base	46	968	Servicio (Análisis Estático)	Combination	Max	0.3637	-0.0139	46.0192
Base	46	968	Servicio (Análisis Estático)	Combination	Min	0.1582	-0.0733	25.3447
Base	82	942	Servicio (Análisis Estático)	Combination	Max	-0.0607	0.5018	21.5427
Base	82	942	Servicio (Análisis Estático)	Combination	Min	-0.1018	0.3032	11.8576

Table: Joint Reactions, Part 1 of 2

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX	FY	FZ
Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	tonf	tonf	tonf
Base	87	40	Servicio (Análisis Estático)	Combination	Max	-0.0796	0.5389	21.9814
Base	87	40	Servicio (Análisis Estático)	Combination	Min	-0.1359	0.2899	12.3852
Base	88	36	Servicio (Análisis Estático)	Combination	Max	-0.1105	0.0687	65.7726
Base	88	36	Servicio (Análisis Estático)	Combination	Min	-0.1997	-0.0371	36.7904
Base	89	31	Servicio (Análisis Estático)	Combination	Max	0.1338	0.9276	60.5187
Base	89	31	Servicio (Análisis Estático)	Combination	Min	0.0848	0.4677	33.8316
Base	119	883	Servicio (Análisis Estático)	Combination	Max	0.3422	-0.2953	18.149
Base	119	883	Servicio (Análisis Estático)	Combination	Min	0.2054	-0.527	9.6392
Base	120	888	Servicio (Análisis Estático)	Combination	Max	-0.0706	-0.463	21.6483
Base	120	888	Servicio (Análisis Estático)	Combination	Min	-0.1044	-0.8608	10.4146
Base	121	893	Servicio (Análisis Estático)	Combination	Max	0.139	-0.351	18.7778
Base	121	893	Servicio (Análisis Estático)	Combination	Min	0.059	-0.6991	10.1184
Base	30	989	Servicio (Análisis Estático)	Combination	Max	1.6798	-0.1671	28.6432
Base	30	989	Servicio (Análisis Estático)	Combination	Min	0.5701	-0.3613	15.1768
Base	47	923	Servicio (Análisis Estático)	Combination	Max	-0.1295	-0.06	52.3175
Base	47	923	Servicio (Análisis Estático)	Combination	Min	-0.1836	-0.2871	29.3885
Base	59	97	Servicio (Análisis Estático)	Combination	Max	-0.1756	-0.2782	55.0001
Base	59	97	Servicio (Análisis Estático)	Combination	Min	-0.3459	-0.8061	28.0052

Table: Joint Reactions, Part 1 of 2

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX	FY	FZ
Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	tonf	tonf	tonf
Base	874	999	Servicio (Análisis Estático)	Combination	Max	-0.0648	-0.4952	53.8662
Base	874	999	Servicio (Análisis Estático)	Combination	Min	-0.1509	-1.3861	28.4035
Base	875	1004	Servicio (Análisis Estático)	Combination	Max	1.125	0.5962	22.4487
Base	875	1004	Servicio (Análisis Estático)	Combination	Min	0.2989	0.1347	12.9871
Base	31	153	Servicio (Análisis Estático)	Combination	Max	0.2997	0.2321	23.1417
Base	31	153	Servicio (Análisis Estático)	Combination	Min	0.1804	0.1282	12.7375
Base	66	152	Servicio (Análisis Estático)	Combination	Max	-0.1901	0.3504	21.5481
Base	66	152	Servicio (Análisis Estático)	Combination	Min	-0.3161	0.1614	11.998
Base	75	151	Servicio (Análisis Estático)	Combination	Max	0.01	0.1692	30.1269
Base	75	151	Servicio (Análisis Estático)	Combination	Min	-0.0513	0.0966	15.4346
Base	77	131	Servicio (Análisis Estático)	Combination	Max	0.0746	0.0362	47.4403
Base	77	131	Servicio (Análisis Estático)	Combination	Min	0.0024	-0.0873	25.4393
Base	144	1100	Servicio (Análisis Estático)	Combination	Max	-0.0626	0.0346	17.9484
Base	144	1100	Servicio (Análisis Estático)	Combination	Min	-0.1579	0.0022	8.7571
Base	145	1101	Servicio (Análisis Estático)	Combination	Max	-0.006	0.0179	16.0096
Base	145	1101	Servicio (Análisis Estático)	Combination	Min	-0.0546	-0.0085	8.668
Base	281	1118	Servicio (Análisis Estático)	Combination	Max	-0.1308	0.0267	20.0871
Base	281	1118	Servicio (Análisis Estático)	Combination	Min	-0.2962	-0.0027	10.0895

Table: Joint Reactions, Part 1 of 2

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX	FY	FZ
Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	tonf	tonf	tonf
Base	296	205	Servicio (Análisis Estático)	Combination	Max	-0.3973	0.743	33.9433
Base	296	205	Servicio (Análisis Estático)	Combination	Min	-0.8826	0.3357	16.4158
Base	812	1115	Servicio (Análisis Estático)	Combination	Max	-0.1156	-0.0436	23.9868
Base	812	1115	Servicio (Análisis Estático)	Combination	Min	-0.3337	-0.1236	12.0596
Base	819	90	Servicio (Análisis Estático)	Combination	Max	-0.2162	0.4181	30.0757
Base	819	90	Servicio (Análisis Estático)	Combination	Min	-0.476	0.1811	14.301

Table: Joint Reactions, Part 2 of 2

Table: Joint Reactions, Part 2 of 2

Story	Label	Unique Name	MX	MY	MZ
Unitless	Unitless	Unitless	tonf-m	tonf-m	tonf-m
Base	1	476	-0.1922	0.4522	0.0021
Base	1	476	-0.3727	0.2304	0.0007
Base	2	481	0.1837	0.4139	-0.001
Base	2	481	0.1187	0.1864	-0.0014
Base	3	486	-0.2184	0.2718	0.0122
Base	3	486	-0.39	0.1186	0.0057
Base	4	491	-0.2481	0.1416	0.0007
Base	4	491	-0.4533	0.0279	0.0003
Base	5	505	-0.1595	0.0585	-0.0009
Base	5	505	-0.2655	0.0114	-0.002
Base	6	511	-0.2	0.0952	0.0016
Base	6	511	-0.2993	0.0178	0.0006
Base	7	626	-0.2541	0.0003	0.0032
Base	7	626	-0.5359	-0.0371	0.0014
Base	8	677	-0.1929	0.0193	0.0044
Base	8	677	-0.4843	0.0051	0.0022
Base	9	738	-0.3072	-0.0135	0.0016
Base	9	738	-0.6145	-0.0714	-0.0011
Base	10	783	-0.3804	0.0221	0.0019
Base	10	783	-0.73	0.0092	-0.0002
Base	11	788	-0.2795	-0.0206	0.0005
Base	11	788	-0.5186	-0.07	-0.0005
Base	12	793	-0.1672	0.3207	0.007
Base	12	793	-0.3621	0.1066	0.0023
Base	13	798	0.5764	0.3687	0.0049

Table: Joint Reactions, Part 2 of 2

Story	Label	Unique Name	MX	MY	MZ
Unitless	Unitless	Unitless	tonf-m	tonf-m	tonf-m
Base	13	798	0.291	0.1191	0.0019
Base	14	803	-0.1798	0.1985	0.007
Base	14	803	-0.378	0.0643	0.0035
Base	15	808	0.9643	0.1546	0.0106
Base	15	808	0.4778	0.0235	0.0056
Base	16	813	-0.0935	0.1341	0.0091
Base	16	813	-0.1941	0.0333	0.004
Base	17	818	0.732	0.0523	0.0137
Base	17	818	0.3128	-0.0018	0.0051
Base	18	823	-0.0504	0.1396	0.0093
Base	18	823	-0.207	0.03	0.0035
Base	19	828	0.617	0.0653	0.0039
Base	19	828	0.2231	-0.0033	-0.0003
Base	20	833	-0.2152	0.0922	0.004
Base	20	833	-0.3174	0.0343	0.0008
Base	21	838	0.5624	0.1065	0.0079
Base	21	838	0.2353	0.0447	0.0022
Base	22	843	-0.0608	0.0522	0.0058
Base	22	843	-0.2708	0.0199	0.0013
Base	23	848	0.749	0.0245	0.0079
Base	23	848	0.3217	0.0103	-0.0013
Base	24	853	-0.153	-0.0038	0.0113
Base	24	853	-0.5073	-0.0422	0.0038
Base	25	858	0.7478	-0.0209	0.0103
Base	25	858	0.3405	-0.1314	0.0028
Base	26	863	-0.1924	-0.0391	0.0068
Base	26	863	-0.4836	-0.1077	0.002
Base	27	868	0.2883	-0.0724	0.0071
Base	27	868	0.1479	-0.2292	-0.0012
Base	28	873	-0.0117	-0.1304	-0.0019
Base	28	873	-0.079	-0.3122	-0.0065
Base	29	878	0.805	-0.1907	0.0248
Base	29	878	0.3651	-0.4562	0.011
Base	33	898	0.403	0.3348	0.0218
Base	33	898	0.1463	0.159	0.0061
Base	34	903	-0.0512	0.0097	-0.0098
Base	34	903	-0.0737	-0.0218	-0.0249
Base	35	908	0.279	0.7633	0.014
Base	35	908	0.1602	0.4461	0.0043
Base	36	913	0.5403	-0.0013	0.0004
Base	36	913	0.3005	-0.056	-0.0021
Base	37	918	1.4671	4.6519	0.0137
Base	37	918	0.8946	2.7998	0.0055
Base	38	928	0.9489	-0.1878	-0.0107
Base	38	928	0.4427	-0.5218	-0.0278
Base	39	933	0.2184	-0.3214	0.0382
Base	39	933	0.1493	-0.7158	0.014
Base	40	938	0.8836	-3.2951	-0.0127

Table: Joint Reactions, Part 2 of 2

Story	Label	Unique Name	MX	MY	MZ
Unitless	Unitless	Unitless	tonf-m	tonf-m	tonf-m
Base	40	938	0.3523	-5.4789	-0.0368
Base	41	943	0.8413	0.1181	-0.0106
Base	41	943	0.3054	0.0642	-0.0294
Base	42	948	1.0032	0.1632	0.0247
Base	42	948	0.3749	0.0932	0.0062
Base	43	953	0.325	-1.4417	0.0002
Base	43	953	0.1152	-2.4405	-0.0024
Base	44	958	0.4255	0.0746	-0.0092
Base	44	958	0.172	-0.0106	-0.0289
Base	45	963	-0.0754	-0.1106	-0.0138
Base	45	963	-0.2547	-0.2354	-0.0371
Base	46	968	0.1307	0.2393	0.0011
Base	46	968	0.0389	0.0985	-0.0013
Base	82	942	-0.1504	0.0078	0.0061
Base	82	942	-0.2475	-0.0247	0.0032
Base	87	40	-0.1137	-0.0063	0.0064
Base	87	40	-0.2523	-0.0419	0.0021
Base	88	36	0.002	-0.0873	-0.0017
Base	88	36	-0.0655	-0.198	-0.0043
Base	89	31	-0.0975	-0.0333	0.0236
Base	89	31	-0.2536	-0.1138	0.0097
Base	119	883	0.3248	0.1278	0.0063
Base	119	883	0.1728	0.069	0.003
Base	120	888	0.551	-0.0515	0.0018
Base	120	888	0.2845	-0.0737	0.0011
Base	121	893	0.4269	0.036	0.002
Base	121	893	0.2016	0.0054	0.0014
Base	30	989	0.2574	1.2552	-0.0168
Base	30	989	0.1062	0.4143	-0.0523
Base	47	923	7.6326	-0.0493	-0.0002
Base	47	923	4.4714	-0.0879	-0.0025
Base	59	97	7.8645	-0.1189	0.0072
Base	59	97	4.5723	-0.1706	0.0025
Base	874	999	0.4409	2.4526	-0.0141
Base	874	999	0.1643	1.4623	-0.0423
Base	875	1004	-0.0967	0.9787	0.0483
Base	875	1004	-0.3751	0.2809	0.018
Base	31	153	-0.0702	0.1444	-0.0004
Base	31	153	-0.1254	0.0856	-0.0011
Base	66	152	-0.0953	-0.0884	0.0015
Base	66	152	-0.2133	-0.1458	0.0007
Base	75	151	-0.0648	0.0072	0.001
Base	75	151	-0.1075	-0.0268	0.0002
Base	77	131	-3.5249	-3.5084	0.0007
Base	77	131	-5.8754	-5.8443	0.0002
Base	144	1100	-1.5166	-0.4965	0.0147
Base	144	1100	-2.5601	-0.8484	0.0048
Base	145	1101	-0.1242	2.6953	0.0002

Table: Joint Reactions, Part 2 of 2

Story	Label	Unique Name	MX	MY	MZ
Unitless	Unitless	Unitless	tonf-m	tonf-m	tonf-m
Base	145	1101	-0.2388	1.6247	-0.0006
Base	281	1118	-1.1767	-0.0668	-0.0034
Base	281	1118	-1.9297	-0.1455	-0.0074
Base	296	205	4.0081	-0.2979	-0.0011
Base	296	205	2.3834	-0.5752	-0.0029
Base	812	1115	-4.3957	-4.4075	-0.0019
Base	812	1115	-7.3051	-7.4312	-0.0076
Base	819	90	3.41	4.8503	0.0123
Base	819	90	2.0368	2.9194	0.0059

Table: Joint Reactions, Part 1 of 2

Table: Joint Reactions, Part 1 of 2

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX	FY	FZ
Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	tonf	tonf	tonf
Base	1	476	Servicio (Análisis con sismo)	Combination	Max	6.083	8.4038	60.5872
Base	1	476	Servicio (Análisis con sismo)	Combination	Min	-5.018	-7.5733	20.7555
Base	2	481	Servicio (Análisis con sismo)	Combination	Max	4.971	4.9119	54.9784
Base	2	481	Servicio (Análisis con sismo)	Combination	Min	-4.1002	-5.9495	14.9513
Base	3	486	Servicio (Análisis con sismo)	Combination	Max	7.8157	7.6546	64.1738
Base	3	486	Servicio (Análisis con sismo)	Combination	Min	-7.1492	-6.7839	11.2059
Base	4	491	Servicio (Análisis con sismo)	Combination	Max	6.1752	6.9661	83.0418
Base	4	491	Servicio (Análisis con sismo)	Combination	Min	-6.0951	-6.3805	28.7899
Base	5	505	Servicio (Análisis con sismo)	Combination	Max	6.2328	9.2849	72.0839
Base	5	505	Servicio (Análisis con sismo)	Combination	Min	-6.3034	-9.6428	35.4097
Base	6	511	Servicio (Análisis con sismo)	Combination	Max	6.1079	8.8782	61.4378
Base	6	511	Servicio (Análisis con sismo)	Combination	Min	-6.0168	-7.883	30.8816
Base	7	626	Servicio (Análisis con sismo)	Combination	Max	6.4036	8.8799	74.145
Base	7	626	Servicio (Análisis con sismo)	Combination	Min	-6.4435	-7.9141	36.4828
Base	8	677	Servicio (Análisis con sismo)	Combination	Max	6.3469	8.7478	78.4428
Base	8	677	Servicio (Análisis con sismo)	Combination	Min	-6.211	-8.0914	41.0267
Base	9	738	Servicio (Análisis con sismo)	Combination	Max	6.3143	6.227	57.574

Table: Joint Reactions, Part 1 of 2

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX	FY	FZ
Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	tonf	tonf	tonf
Base	9	738	Servicio (Análisis con sismo)	Combination	Min	-6.4542	-5.1793	16.1712
Base	10	783	Servicio (Análisis con sismo)	Combination	Max	6.0956	6.3748	33.2457
Base	10	783	Servicio (Análisis con sismo)	Combination	Min	-6.0676	-4.7498	6.3071
Base	11	788	Servicio (Análisis con sismo)	Combination	Max	7.1152	6.1187	35.4338
Base	11	788	Servicio (Análisis con sismo)	Combination	Min	-7.4268	-4.81	2.8711
Base	12	793	Servicio (Análisis con sismo)	Combination	Max	8.8929	12.1123	144.6615
Base	12	793	Servicio (Análisis con sismo)	Combination	Min	-8.6921	-11.7468	73.1892
Base	13	798	Servicio (Análisis con sismo)	Combination	Max	8.4107	12.2431	118.0561
Base	13	798	Servicio (Análisis con sismo)	Combination	Min	-8.469	-12.5463	63.0039
Base	14	803	Servicio (Análisis con sismo)	Combination	Max	9.1427	11.1768	167.2739
Base	14	803	Servicio (Análisis con sismo)	Combination	Min	-8.9833	-10.9978	87.2246
Base	15	808	Servicio (Análisis con sismo)	Combination	Max	8.3837	11.4904	130.1914
Base	15	808	Servicio (Análisis con sismo)	Combination	Min	-8.2339	-11.4734	68.8219
Base	16	813	Servicio (Análisis con sismo)	Combination	Max	9.2363	8.9656	146.9461
Base	16	813	Servicio (Análisis con sismo)	Combination	Min	-9.078	-9.1548	77.1134
Base	17	818	Servicio (Análisis con sismo)	Combination	Max	8.916	10.1429	118.4883
Base	17	818	Servicio (Análisis con sismo)	Combination	Min	-8.2991	-10.3487	62.5191
Base	18	823	Servicio (Análisis con sismo)	Combination	Max	9.1724	8.1051	154.558

Table: Joint Reactions, Part 1 of 2

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX	FY	FZ
Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	tonf	tonf	tonf
Base	18	823	Servicio (Análisis con sismo)	Combination	Min	-9.1531	-8.451	84.0803
Base	19	828	Servicio (Análisis con sismo)	Combination	Max	8.8529	9.1551	151.4561
Base	19	828	Servicio (Análisis con sismo)	Combination	Min	-9.1603	-9.5602	70.7989
Base	20	833	Servicio (Análisis con sismo)	Combination	Max	9.2066	7.7592	166.8122
Base	20	833	Servicio (Análisis con sismo)	Combination	Min	-9.1676	-8.0749	87.161
Base	21	838	Servicio (Análisis con sismo)	Combination	Max	8.654	8.9722	161.2988
Base	21	838	Servicio (Análisis con sismo)	Combination	Min	-8.6525	-8.8471	71.5394
Base	22	843	Servicio (Análisis con sismo)	Combination	Max	9.3033	7.6271	168.656
Base	22	843	Servicio (Análisis con sismo)	Combination	Min	-9.2584	-7.9197	87.7263
Base	23	848	Servicio (Análisis con sismo)	Combination	Max	8.7579	6.1976	148.7502
Base	23	848	Servicio (Análisis con sismo)	Combination	Min	-8.6639	-5.2999	76.5842
Base	24	853	Servicio (Análisis con sismo)	Combination	Max	9.2068	9.1936	148.1816
Base	24	853	Servicio (Análisis con sismo)	Combination	Min	-9.2721	-9.5785	76.6304
Base	25	858	Servicio (Análisis con sismo)	Combination	Max	8.6966	6.5877	133.5606
Base	25	858	Servicio (Análisis con sismo)	Combination	Min	-8.7471	-5.8453	68.934
Base	26	863	Servicio (Análisis con sismo)	Combination	Max	9.0616	9.039	138.7191
Base	26	863	Servicio (Análisis con sismo)	Combination	Min	-9.2183	-9.9738	74.1997
Base	27	868	Servicio (Análisis con sismo)	Combination	Max	8.5121	6.1068	131.6263

Table: Joint Reactions, Part 1 of 2

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX	FY	FZ
Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	tonf	tonf	tonf
Base	27	868	Servicio (Análisis con sismo)	Combination	Min	-8.7464	-4.4974	69.8078
Base	28	873	Servicio (Análisis con sismo)	Combination	Max	9.8893	8.4212	114.2527
Base	28	873	Servicio (Análisis con sismo)	Combination	Min	-10.357	-9.7527	52.9569
Base	29	878	Servicio (Análisis con sismo)	Combination	Max	9.2029	6.2037	102.7686
Base	29	878	Servicio (Análisis con sismo)	Combination	Min	-9.7878	-4.5931	46.9402
Base	33	898	Servicio (Análisis con sismo)	Combination	Max	2.3733	7.8642	71.3862
Base	33	898	Servicio (Análisis con sismo)	Combination	Min	-1.4959	-8.4745	30.5569
Base	34	903	Servicio (Análisis con sismo)	Combination	Max	2.899	8.372	100.48
Base	34	903	Servicio (Análisis con sismo)	Combination	Min	-2.9467	-7.6178	47.3746
Base	35	908	Servicio (Análisis con sismo)	Combination	Max	4.1057	6.3074	57.9359
Base	35	908	Servicio (Análisis con sismo)	Combination	Min	-3.9471	-6.2861	27.1552
Base	36	913	Servicio (Análisis con sismo)	Combination	Max	2.405	6.4542	55.4072
Base	36	913	Servicio (Análisis con sismo)	Combination	Min	-2.4124	-6.8116	26.4901
Base	37	918	Servicio (Análisis con sismo)	Combination	Max	4.8041	5.5055	46.9504
Base	37	918	Servicio (Análisis con sismo)	Combination	Min	-5.0414	-6.4136	13.9354
Base	38	928	Servicio (Análisis con sismo)	Combination	Max	3.0194	4.6571	46.5226
Base	38	928	Servicio (Análisis con sismo)	Combination	Min	-3.7396	-6.6572	20.2734
Base	39	933	Servicio (Análisis con sismo)	Combination	Max	1.3296	7.6125	58.1719

Table: Joint Reactions, Part 1 of 2

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX	FY	FZ
Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	tonf	tonf	tonf
Base	39	933	Servicio (Análisis con sismo)	Combination	Min	-2.3728	-9.145	15.2963
Base	40	938	Servicio (Análisis con sismo)	Combination	Max	4.8541	3.763	57.0887
Base	40	938	Servicio (Análisis con sismo)	Combination	Min	-2.9654	-5.8191	13.1257
Base	41	943	Servicio (Análisis con sismo)	Combination	Max	4.4962	4.5068	52.0752
Base	41	943	Servicio (Análisis con sismo)	Combination	Min	-4.3291	-6.3381	18.0503
Base	42	948	Servicio (Análisis con sismo)	Combination	Max	5.5311	4.7681	54.2171
Base	42	948	Servicio (Análisis con sismo)	Combination	Min	-5.2241	-6.8133	17.2186
Base	43	953	Servicio (Análisis con sismo)	Combination	Max	5.853	4.2168	38.8071
Base	43	953	Servicio (Análisis con sismo)	Combination	Min	-5.8221	-5.1521	5.2114
Base	44	958	Servicio (Análisis con sismo)	Combination	Max	3.5696	3.9348	48.7653
Base	44	958	Servicio (Análisis con sismo)	Combination	Min	-3.3355	-4.5594	18.6325
Base	45	963	Servicio (Análisis con sismo)	Combination	Max	2.2489	4.4795	55.3996
Base	45	963	Servicio (Análisis con sismo)	Combination	Min	-2.6889	-4.1468	9.293
Base	46	968	Servicio (Análisis con sismo)	Combination	Max	1.1934	6.4351	49.0822
Base	46	968	Servicio (Análisis con sismo)	Combination	Min	-0.758	-6.4906	20.004
Base	82	942	Servicio (Análisis con sismo)	Combination	Max	5.0864	3.7875	32.3807
Base	82	942	Servicio (Análisis con sismo)	Combination	Min	-5.2493	-2.9929	0.9124
Base	87	40	Servicio (Análisis con sismo)	Combination	Max	5.0491	4.975	30.5342

Table: Joint Reactions, Part 1 of 2

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX	FY	FZ
Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	tonf	tonf	tonf
Base	87	40	Servicio (Análisis con sismo)	Combination	Min	-5.261	-4.2245	3.9106
Base	88	36	Servicio (Análisis con sismo)	Combination	Max	5.4943	7.0451	81.6299
Base	88	36	Servicio (Análisis con sismo)	Combination	Min	-5.7934	-6.9922	18.8625
Base	89	31	Servicio (Análisis con sismo)	Combination	Max	5.7664	5.6056	72.7402
Base	89	31	Servicio (Análisis con sismo)	Combination	Min	-5.5523	-4.4011	20.3126
Base	119	883	Servicio (Análisis con sismo)	Combination	Max	2.0017	5.866	30.4516
Base	119	883	Servicio (Análisis con sismo)	Combination	Min	-1.4541	-6.5659	-2.6271
Base	120	888	Servicio (Análisis con sismo)	Combination	Max	2.7709	5.2701	31.551
Base	120	888	Servicio (Análisis con sismo)	Combination	Min	-2.9327	-6.3846	0.6142
Base	121	893	Servicio (Análisis con sismo)	Combination	Max	3.3274	4.8972	28.6891
Base	121	893	Servicio (Análisis con sismo)	Combination	Min	-3.1347	-5.8253	0.2961
Base	30	989	Servicio (Análisis con sismo)	Combination	Max	5.1337	3.0653	40.0156
Base	30	989	Servicio (Análisis con sismo)	Combination	Min	-3.6077	-3.5222	0.6035
Base	47	923	Servicio (Análisis con sismo)	Combination	Max	4.12	9.252	59.0912
Base	47	923	Servicio (Análisis con sismo)	Combination	Min	-4.3997	-9.483	20.2844
Base	59	97	Servicio (Análisis con sismo)	Combination	Max	2.2663	8.4464	61.3047
Base	59	97	Servicio (Análisis con sismo)	Combination	Min	-2.787	-9.2153	20.3257
Base	874	999	Servicio (Análisis con sismo)	Combination	Max	2.0872	2.7497	57.5437

Table: Joint Reactions, Part 1 of 2

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX	FY	FZ
Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	tonf	tonf	tonf
Base	874	999	Servicio (Análisis con sismo)	Combination	Min	-2.2424	-4.0686	22.3366
Base	875	1004	Servicio (Análisis con sismo)	Combination	Max	4.8579	2.305	43.2058
Base	875	1004	Servicio (Análisis con sismo)	Combination	Min	-4.0592	-1.9464	-6.499
Base	31	153	Servicio (Análisis con sismo)	Combination	Max	2.2462	4.2461	29.4599
Base	31	153	Servicio (Análisis con sismo)	Combination	Min	-1.7666	-3.8836	4.4495
Base	66	152	Servicio (Análisis con sismo)	Combination	Max	1.757	4.2101	30.6357
Base	66	152	Servicio (Análisis con sismo)	Combination	Min	-2.2627	-3.7313	1.3134
Base	75	151	Servicio (Análisis con sismo)	Combination	Max	3.464	4.0168	36.0656
Base	75	151	Servicio (Análisis con sismo)	Combination	Min	-3.4507	-3.75	5.9987
Base	77	131	Servicio (Análisis con sismo)	Combination	Max	3.5058	4.0029	52.2399
Base	77	131	Servicio (Análisis con sismo)	Combination	Min	-3.4943	-3.9495	17.3301
Base	144	1100	Servicio (Análisis con sismo)	Combination	Max	1.7456	2.1113	19.5765
Base	144	1100	Servicio (Análisis con sismo)	Combination	Min	-1.9265	-2.096	5.4932
Base	145	1101	Servicio (Análisis con sismo)	Combination	Max	1.7471	1.9347	19.9736
Base	145	1101	Servicio (Análisis con sismo)	Combination	Min	-1.7946	-1.9471	3.5094
Base	281	1118	Servicio (Análisis con sismo)	Combination	Max	1.7262	3.3431	27.431
Base	281	1118	Servicio (Análisis con sismo)	Combination	Min	-2.1224	-3.3226	-0.5334
Base	296	205	Servicio (Análisis con sismo)	Combination	Max	1.4528	4.4243	40.7453

Table: Joint Reactions, Part 1 of 2

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX	FY	FZ
Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	tonf	tonf	tonf
Base	296	205	Servicio (Análisis con sismo)	Combination	Min	-2.5669	-3.5541	5.848
Base	812	1115	Servicio (Análisis con sismo)	Combination	Max	2.4069	4.0497	29.3389
Base	812	1115	Servicio (Análisis con sismo)	Combination	Min	-2.812	-4.2103	3.8768
Base	819	90	Servicio (Análisis con sismo)	Combination	Max	1.9794	5.161	30.4612
Base	819	90	Servicio (Análisis con sismo)	Combination	Min	-2.6028	-4.6859	12.1634

Table: Joint Reactions, Part 2 of 2

Table: Joint Reactions, Part 2 of 2

Story	Label	Unique Name	MX	MY	MZ
Unitless	Unitless	Unitless	tonf-m	tonf-m	tonf-m
Base	1	476	12.9089	10.9806	0.1732
Base	1	476	-13.4802	-10.3633	-0.1716
Base	2	481	12.4877	9.8581	0.1943
Base	2	481	-12.2084	-9.317	-0.1963
Base	3	486	12.1755	11.6625	0.1395
Base	3	486	-12.7644	-11.3122	-0.1242
Base	4	491	11.2684	11.1341	0.1743
Base	4	491	-11.9342	-11.0267	-0.1733
Base	5	505	11.1786	11.3113	0.1278
Base	5	505	-11.5817	-11.2564	-0.1307
Base	6	511	10.4686	11.34	0.1262
Base	6	511	-10.9298	-11.2685	-0.1247
Base	7	626	10.1789	11.3313	0.1177
Base	7	626	-10.7877	-11.3397	-0.1135
Base	8	677	10.1966	11.1539	0.1302
Base	8	677	-10.7488	-11.1348	-0.1235
Base	9	738	9.7094	11.0673	0.1203
Base	9	738	-10.5604	-11.1135	-0.1204
Base	10	783	9.8221	10.9712	0.1108
Base	10	783	-10.7974	-10.9358	-0.1094
Base	11	788	10.0311	11.3342	0.0982
Base	11	788	-10.7389	-11.4234	-0.0989
Base	12	793	24.0759	21.2432	0.3721
Base	12	793	-24.6155	-20.9137	-0.3631
Base	13	798	24.6697	19.5762	0.4456
Base	13	798	-23.9713	-19.1755	-0.4399
Base	14	803	22.3269	21.4102	0.3938
Base	14	803	-22.8943	-21.2112	-0.3849

Table: Joint Reactions, Part 2 of 2

Story	Label	Unique Name	MX	MY	MZ
Unitless	Unitless	Unitless	tonf-m	tonf-m	tonf-m
Base	15	808	23.2154	19.4635	0.4696
Base	15	808	-22.0354	-19.3239	-0.4555
Base	16	813	19.8577	21.452	0.4092
Base	16	813	-20.1683	-21.3282	-0.3971
Base	17	818	21.1027	19.2873	0.4664
Base	17	818	-20.2244	-19.2579	-0.4491
Base	18	823	18.4568	21.4481	0.4154
Base	18	823	-18.7879	-21.3511	-0.4053
Base	19	828	19.134	19.2546	0.5578
Base	19	828	-18.4306	-19.2323	-0.5561
Base	20	833	17.8883	21.4282	0.3924
Base	20	833	-18.3916	-21.3387	-0.3903
Base	21	838	18.7372	19.4331	0.4839
Base	21	838	-18.0475	-19.3081	-0.4785
Base	22	843	17.8596	21.4105	0.3676
Base	22	843	-18.2016	-21.3583	-0.3617
Base	23	848	17.4513	19.6557	0.4199
Base	23	848	-16.6506	-19.6201	-0.416
Base	24	853	19.2838	21.3906	0.3609
Base	24	853	-19.9269	-21.4034	-0.3478
Base	25	858	18.1679	19.7827	0.402
Base	25	858	-17.3005	-19.864	-0.3949
Base	26	863	19.5408	21.3176	0.3441
Base	26	863	-20.1741	-21.4379	-0.3391
Base	27	868	17.1595	19.7127	0.4006
Base	27	868	-16.808	-19.9411	-0.3971
Base	28	873	19.7609	21.4631	0.3203
Base	28	873	-19.8589	-21.6551	-0.3291
Base	29	878	17.1347	19.7139	0.385
Base	29	878	-16.2461	-20.2571	-0.3616
Base	33	898	10.562	4.2547	0.3513
Base	33	898	-10.1346	-3.818	-0.3331
Base	34	903	9.8725	4.475	0.3039
Base	34	903	-9.9904	-4.4596	-0.3264
Base	35	908	8.8335	5.7817	0.1351
Base	35	908	-8.4555	-4.5936	-0.1206
Base	36	913	9.3195	4.537	0.1246
Base	36	913	-8.5445	-4.5455	-0.1258
Base	37	918	9.3162	10.2756	0.1856
Base	37	918	-6.9687	-2.8326	-0.1672
Base	38	928	7.165	3.3324	0.0644
Base	38	928	-6.0376	-3.8276	-0.09
Base	39	933	8.8254	2.599	0.2113
Base	39	933	-6.4759	-3.4563	-0.1776
Base	40	938	5.9338	0.4269	1.7655
Base	40	938	-4.9525	-9.1932	-1.8013
Base	41	943	5.071	3.5116	0.0316
Base	41	943	-4.1308	-3.3422	-0.058

Table: Joint Reactions, Part 2 of 2

Story	Label	Unique Name	MX	MY	MZ
Unitless	Unitless	Unitless	tonf-m	tonf-m	tonf-m
Base	42	948	5.415	4.2127	0.0484
Base	42	948	-4.2441	-3.9663	-0.0302
Base	43	953	4.1479	2.9854	0.1048
Base	43	953	-3.793	-6.8671	-0.1086
Base	44	958	4.0711	3.0619	0.0314
Base	44	958	-3.6348	-2.9425	-0.0569
Base	45	963	4.4773	2.1657	0.1701
Base	45	963	-4.7035	-2.4819	-0.206
Base	46	968	5.8011	1.3949	0.215
Base	46	968	-5.6808	-1.1246	-0.2133
Base	82	942	5.1559	5.6713	0.0451
Base	82	942	-5.5518	-5.7107	-0.0373
Base	87	40	9.8041	10.4717	0.1137
Base	87	40	-10.1161	-10.5213	-0.1066
Base	88	36	10.6153	10.7787	0.1331
Base	88	36	-10.6723	-11.0356	-0.1393
Base	89	31	8.9293	10.1087	0.1824
Base	89	31	-9.2169	-10.2109	-0.1576
Base	119	883	6.7865	3.1045	0.149
Base	119	883	-6.3794	-2.9062	-0.1406
Base	120	888	6.4892	3.4488	0.1018
Base	120	888	-5.8008	-3.5621	-0.0993
Base	121	893	5.9194	3.6858	0.1164
Base	121	893	-5.38	-3.644	-0.1134
Base	30	989	4.5677	4.0389	0.0961
Base	30	989	-4.271	-2.93	-0.1415
Base	47	923	18.4353	7.3609	2.1131
Base	47	923	-6.4558	-7.4807	-2.116
Base	59	97	18.1917	6.8304	2.1294
Base	59	97	-5.9765	-7.0818	-2.1244
Base	874	999	1.0724	4.235	0.7133
Base	874	999	-0.633	-0.3254	-0.7515
Base	875	1004	0.2117	3.9114	0.5555
Base	875	1004	-0.5511	-3.1602	-0.5062
Base	31	153	3.5938	3.0488	0.0266
Base	31	153	-3.7904	-2.8185	-0.0281
Base	66	152	3.349	2.7845	0.0233
Base	66	152	-3.6318	-3.0178	-0.021
Base	75	151	3.368	3.5695	0.0222
Base	75	151	-3.5399	-3.5603	-0.0211
Base	77	131	-0.0044	0.0733	2.3924
Base	77	131	-9.396	-9.4242	-2.3919
Base	144	1100	0.1875	0.9207	0.0518
Base	144	1100	-4.2394	-2.253	-0.0366
Base	145	1101	1.5037	4.0787	0.0178
Base	145	1101	-1.8429	0.2337	-0.019
Base	281	1118	2.3689	2.1139	0.0771
Base	281	1118	-5.4558	-2.3115	-0.0855

Table: Joint Reactions, Part 2 of 2

Story	Label	Unique Name	MX	MY	MZ
Unitless	Unitless	Unitless	tonf-m	tonf-m	tonf-m
Base	296	205	7.789	2.0532	0.127
Base	296	205	-1.3931	-2.8686	-0.13
Base	812	1115	-0.6784	-1.7796	0.1171
Base	812	1115	-11.0097	-10.0202	-0.1214
Base	819	90	7.5029	7.6082	0.1161
Base	819	90	-2.0543	0.1524	-0.0975

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Table: Concrete Beam Design Summary - ACI 318-08, Part 1 of 4

Table: Concrete Beam Design Summary - ACI 318-08, Part 1 of 4

Story	Label	UniqueName	DesignSect	Station	Status	AsTopComb o	AsMinTop	AsTop
Unitless	Unitless	Unitless	Unitless	m	Unitless	Unitless	m²	m²
Piso 1	B1	688	VC(30X60)	0.25	No Message	B.2.4-5b	0.000552	0.000662
Piso 1	B1	688	VC(30X60)	0.70909	No Message	B.2.4-7b	0.000552	0.000552
Piso 1	B1	688	VC(30X60)	1.16818	No Message	B.2.4-7b	0.000503	0.000503
Piso 1	B1	688	VC(30X60)	1.62727	No Message	B.2.4-7b	0.00033	0.00033
Piso 1	B1	688	VC(30X60)	2.08636	No Message	B.2.4-7b	0.00025	0.00025
Piso 1	B1	688	VC(30X60)	2.54545	No Message	B.2.4-7b	0.00025	0.00025
Piso 1	B1	688	VC(30X60)	3.00455	No Message	B.2.4-7b	0.00025	0.00025
Piso 1	B1	688	VC(30X60)	3.46364	No Message	B.2.4-7b	0.00025	0.00025
Piso 1	B1	688	VC(30X60)	3.92273	No Message	B.2.4-7b	0.000425	0.000425
Piso 1	B1	688	VC(30X60)	4.38182	No Message	B.2.4-7b	0.000552	0.000552
Piso 1	B1	688	VC(30X60)	4.84091	No Message	B.2.4-7b	0.000552	0.000601
Piso 1	B1	688	VC(30X60)	5.3	No Message	B.2.4-5b	0.000552	0.000754
Piso 1	B27	808	VC(30X60)	0.25	No Message	B.2.4-5b	0.000552	0.000797
Piso 1	B27	808	VC(30X60)	0.70909	No Message	B.2.4-5b	0.000552	0.000623
Piso 1	B27	808	VC(30X60)	1.16818	No Message	B.2.4-7b	0.000552	0.000552
Piso 1	B27	808	VC(30X60)	1.62727	No Message	B.2.4-7b	0.000411	0.000411
Piso 1	B27	808	VC(30X60)	2.08636	No Message	B.2.4-7b	0.000277	0.000277
Piso 1	B27	808	VC(30X60)	2.54545	No Message	B.2.4-7b	0.000277	0.000277
Piso 1	B27	808	VC(30X60)	3.00455	No Message	B.2.4-7b	0.000277	0.000277
Piso 1	B27	808	VC(30X60)	3.46364	No Message	B.2.4-7b	0.000283	0.000283
Piso 1	B27	808	VC(30X60)	3.92273	No Message	B.2.4-7b	0.000462	0.000462
Piso 1	B27	808	VC(30X60)	4.38182	No Message	B.2.4-7b	0.000552	0.000552
Piso 1	B27	808	VC(30X60)	4.84091	No Message	B.2.4-7b	0.000552	0.000635
Piso 1	B27	808	VC(30X60)	5.3	No Message	B.2.4-7b	0.000552	0.000789
Piso 1	B28	812	VC(30X60)	0.3	No Message	B.2.4-5b	0.000552	0.000756
Piso 1	B28	812	VC(30X60)	0.7875	No Message	B.2.4-5b	0.000552	0.000633
Piso 1	B28	812	VC(30X60)	1.275	No Message	B.2.4-7b	0.000552	0.000552
Piso 1	B28	812	VC(30X60)	1.7625	No Message	B.2.4-5b	0.000547	0.000547
Piso 1	B28	812	VC(30X60)	2.25	No Message	B.2.4-7b	0.000419	0.000419
Piso 1	B28	812	VC(30X60)	2.7375	No Message	B.2.4-5b	0.000338	0.000338
Piso 1	B28	812	VC(30X60)	3.225	No Message	B.2.4-5b	0.000338	0.000338
Piso 1	B28	812	VC(30X60)	3.7125	No Message	B.2.4-5b	0.000338	0.000338
Piso 1	B28	812	VC(30X60)	4.2	No Message	B.2.4-5b	0.000338	0.000338
Piso 1	B28	812	VC(30X60)	4.6875	No Message	B.2.4-5b	0.000338	0.000338
Piso 1	B28	812	VC(30X60)	5.175	No Message	B.2.4-5b	0.000338	0.000338
Piso 1	B28	812	VC(30X60)	5.6625	No Message	B.2.4-5b	0.000357	0.000357
Piso 1	B28	812	VC(30X60)	6.15	No Message	B.2.4-5b	0.000502	0.000502
Piso 1	B28	812	VC(30X60)	6.6375	No Message	B.2.4-7b	0.000552	0.000552
Piso 1	B28	812	VC(30X60)	7.125	No Message	B.2.4-5b	0.000552	0.000618
Piso 1	B28	812	VC(30X60)	7.6125	No Message	B.2.4-5b	0.000552	0.00075
Piso 1	B28	812	VC(30X60)	8.1	No Message	B.2.4-5b	0.000552	0.000891
Piso 1	B31	824	VC(30X60)	0.25	No Message	B.2.4-5b	0.000552	0.000672
Piso 1	B31	824	VC(30X60)	0.70909	No Message	B.2.4-7b	0.000552	0.000552

Table: Concrete Beam Design Summary - ACI 318-08, Part 1 of 4

Story	Label	UniqueName	DesignSect	Station	Status	AsTopComb o	AsMinTop	AsTop
Unitless	Unitless	Unitless	Unitless	m	Unitless	Unitless	m²	m²
Piso 1	B31	824	VC(30X60)	1.16818	No Message	B.2.4-7b	0.00051	0.00051
Piso 1	B31	824	VC(30X60)	1.62727	No Message	B.2.4-7b	0.00033	0.00033
Piso 1	B31	824	VC(30X60)	2.08636	No Message	B.2.4-7b	0.000227	0.000227
Piso 1	B31	824	VC(30X60)	2.54545	No Message	B.2.4-7b	0.000227	0.000227
Piso 1	B31	824	VC(30X60)	3.00455	No Message	B.2.4-7b	0.000227	0.000227
Piso 1	B31	824	VC(30X60)	3.46364	No Message	B.2.4-7b	0.000227	0.000227
Piso 1	B31	824	VC(30X60)	3.92273	No Message	B.2.4-7b	0.000391	0.000391
Piso 1	B31	824	VC(30X60)	4.38182	No Message	B.2.4-7b	0.000552	0.000552
Piso 1	B31	824	VC(30X60)	4.84091	No Message	B.2.4-7b	0.000552	0.000561
Piso 1	B31	824	VC(30X60)	5.3	No Message	B.2.4-7b	0.000552	0.000705
Piso 1	B32	828	VC(30X60)	0.3	No Message	B.2.4-7b	0.000552	0.000552
Piso 1	B32	828	VC(30X60)	0.7875	No Message	B.2.4-7b	0.000552	0.000552
Piso 1	B32	828	VC(30X60)	1.275	No Message	B.2.4-7b	0.00048	0.00048
Piso 1	B32	828	VC(30X60)	1.7625	No Message	B.2.4-5b	0.000423	0.000423
Piso 1	B32	828	VC(30X60)	2.25	No Message	B.2.4-5b	0.000423	0.000423
Piso 1	B32	828	VC(30X60)	2.7375	No Message	B.2.4-5b	0.000423	0.000423
Piso 1	B32	828	VC(30X60)	3.225	No Message	B.2.4-5b	0.000423	0.000423
Piso 1	B32	828	VC(30X60)	3.7125	No Message	B.2.4-5b	0.000423	0.000423
Piso 1	B32	828	VC(30X60)	4.2	No Message	B.2.4-5b	0.000423	0.000423
Piso 1	B32	828	VC(30X60)	4.6875	No Message	B.2.4-5b	0.000423	0.000423
Piso 1	B32	828	VC(30X60)	5.175	No Message	B.2.4-5b	0.000423	0.000423
Piso 1	B32	828	VC(30X60)	5.6625	No Message	B.2.4-5b	0.000479	0.000479
Piso 1	B32	828	VC(30X60)	6.15	No Message	B.2.4-7b	0.000552	0.000552
Piso 1	B32	828	VC(30X60)	6.6375	No Message	B.2.4-5b	0.000552	0.000622
Piso 1	B32	828	VC(30X60)	7.125	No Message	B.2.4-5b	0.000552	0.000766
Piso 1	B32	828	VC(30X60)	7.6125	No Message	B.2.4-5b	0.000552	0.000919
Piso 1	B32	828	VC(30X60)	8.1	No Message	B.2.4-5b	0.000552	0.001081
Piso 1	B36	844	VC(30X60)	0.25	No Message	B.2.4-7b	0.000552	0.000767
Piso 1	B36	844	VC(30X60)	0.70909	No Message	B.2.4-7b	0.000552	0.000605
Piso 1	B36	844	VC(30X60)	1.16818	No Message	B.2.4-7b	0.000552	0.000552
Piso 1	B36	844	VC(30X60)	1.62727	No Message	B.2.4-7b	0.000401	0.000401
Piso 1	B36	844	VC(30X60)	2.08636	No Message	B.2.4-7b	0.000261	0.000261
Piso 1	B36	844	VC(30X60)	2.54545	No Message	B.2.4-7b	0.000261	0.000261
Piso 1	B36	844	VC(30X60)	3.00455	No Message	B.2.4-7b	0.000261	0.000261
Piso 1	B36	844	VC(30X60)	3.46364	No Message	B.2.4-7b	0.000263	0.000263
Piso 1	B36	844	VC(30X60)	3.92273	No Message	B.2.4-7b	0.000435	0.000435
Piso 1	B36	844	VC(30X60)	4.38182	No Message	B.2.4-7b	0.000552	0.000552
Piso 1	B36	844	VC(30X60)	4.84091	No Message	B.2.4-7b	0.000552	0.000601
Piso 1	B36	844	VC(30X60)	5.3	No Message	B.2.4-7b	0.000552	0.000748
Piso 1	B37	848	VC(30X60)	0.3	No Message	B.2.4-5b	0.000552	0.000716
Piso 1	B37	848	VC(30X60)	0.7875	No Message	B.2.4-5b	0.000552	0.000597
Piso 1	B37	848	VC(30X60)	1.275	No Message	B.2.4-7b	0.000552	0.000552
Piso 1	B37	848	VC(30X60)	1.7625	No Message	B.2.4-5b	0.00051	0.00051
Piso 1	B37	848	VC(30X60)	2.25	No Message	B.2.4-7b	0.000387	0.000387
Piso 1	B37	848	VC(30X60)	2.7375	No Message	B.2.4-5b	0.000288	0.000288
Piso 1	B37	848	VC(30X60)	3.225	No Message	B.2.4-5b	0.000288	0.000288
Piso 1	B37	848	VC(30X60)	3.7125	No Message	B.2.4-5b	0.000288	0.000288
Piso 1	B37	848	VC(30X60)	4.2	No Message	B.2.4-5b	0.000288	0.000288

Table: Concrete Beam Design Summary - ACI 318-08, Part 1 of 4

Story	Label	UniqueName	DesignSect	Station	Status	AsTopCombo	AsMinTop	AsTop
Unitless	Unitless	Unitless	Unitless	m	Unitless	Unitless	m²	m²
Piso 1	B37	848	VC(30X60)	4.6875	No Message	B.2.4-5b	0.000288	0.000288
Piso 1	B37	848	VC(30X60)	5.175	No Message	B.2.4-5b	0.000288	0.000288
Piso 1	B37	848	VC(30X60)	5.6625	No Message	B.2.4-5b	0.000288	0.000288
Piso 1	B37	848	VC(30X60)	6.15	No Message	B.2.4-5b	0.000417	0.000417
Piso 1	B37	848	VC(30X60)	6.6375	No Message	B.2.4-5b	0.000552	0.000552
Piso 1	B37	848	VC(30X60)	7.125	No Message	B.2.4-7b	0.000552	0.000552
Piso 1	B37	848	VC(30X60)	7.6125	No Message	B.2.4-5b	0.000552	0.00065
Piso 1	B37	848	VC(30X60)	8.1	No Message	B.2.4-5b	0.000552	0.000778
Piso 1	B41	864	VC(30X50)	0.3	No Message	B.2.4-5b	0.000452	0.000719
Piso 1	B41	864	VC(30X50)	0.79091	No Message	B.2.4-5b	0.000452	0.00057
Piso 1	B41	864	VC(30X50)	1.28182	No Message	B.2.4-7b	0.000452	0.000452
Piso 1	B41	864	VC(30X50)	1.77273	No Message	B.2.4-7b	0.000399	0.000399
Piso 1	B41	864	VC(30X50)	2.26364	No Message	B.2.4-5b	0.000276	0.000276
Piso 1	B41	864	VC(30X50)	2.75455	No Message	B.2.4-5b	0.000276	0.000276
Piso 1	B41	864	VC(30X50)	3.24545	No Message	B.2.4-5b	0.000276	0.000276
Piso 1	B41	864	VC(30X50)	3.73636	No Message	B.2.4-5b	0.000276	0.000276
Piso 1	B41	864	VC(30X50)	4.22727	No Message	B.2.4-7b	0.000398	0.000398
Piso 1	B41	864	VC(30X50)	4.71818	No Message	B.2.4-7b	0.000452	0.000452
Piso 1	B41	864	VC(30X50)	5.20909	No Message	B.2.4-5b	0.000452	0.000565
Piso 1	B41	864	VC(30X50)	5.7	No Message	B.2.4-5b	0.000452	0.000714
Piso 1	B42	868	VC(30X50)	0.3	No Message	B.2.4-5b	0.000452	0.000696
Piso 1	B42	868	VC(30X50)	0.79091	No Message	B.2.4-5b	0.000452	0.000544
Piso 1	B42	868	VC(30X50)	1.28182	No Message	B.2.4-7b	0.000452	0.000452
Piso 1	B42	868	VC(30X50)	1.77273	No Message	B.2.4-7b	0.000362	0.000362
Piso 1	B42	868	VC(30X50)	2.26364	No Message	B.2.4-5b	0.000234	0.000234
Piso 1	B42	868	VC(30X50)	2.75455	No Message	B.2.4-5b	0.000234	0.000234
Piso 1	B42	868	VC(30X50)	3.24545	No Message	B.2.4-5b	0.000234	0.000234
Piso 1	B42	868	VC(30X50)	3.73636	No Message	B.2.4-5b	0.000234	0.000234
Piso 1	B42	868	VC(30X50)	4.22727	No Message	B.2.4-7b	0.000348	0.000348
Piso 1	B42	868	VC(30X50)	4.71818	No Message	B.2.4-7b	0.000452	0.000452
Piso 1	B42	868	VC(30X50)	5.20909	No Message	B.2.4-5b	0.000452	0.000522
Piso 1	B42	868	VC(30X50)	5.7	No Message	B.2.4-5b	0.000452	0.000669
Piso 1	B51	904	VC(30X50)	0.3	No Message	B.2.4-5b	0.000452	0.000687
Piso 1	B51	904	VC(30X50)	0.79091	No Message	B.2.4-5b	0.000452	0.000544
Piso 1	B51	904	VC(30X50)	1.28182	No Message	B.2.4-7b	0.000452	0.000452
Piso 1	B51	904	VC(30X50)	1.77273	No Message	B.2.4-5b	0.000381	0.000381
Piso 1	B51	904	VC(30X50)	2.26364	No Message	B.2.4-5b	0.000266	0.000266
Piso 1	B51	904	VC(30X50)	2.75455	No Message	B.2.4-5b	0.000266	0.000266
Piso 1	B51	904	VC(30X50)	3.24545	No Message	B.2.4-5b	0.000266	0.000266
Piso 1	B51	904	VC(30X50)	3.73636	No Message	B.2.4-5b	0.000266	0.000266
Piso 1	B51	904	VC(30X50)	4.22727	No Message	B.2.4-7b	0.000338	0.000338
Piso 1	B51	904	VC(30X50)	4.71818	No Message	B.2.4-7b	0.000452	0.000452
Piso 1	B51	904	VC(30X50)	5.20909	No Message	B.2.4-5b	0.000452	0.000479
Piso 1	B51	904	VC(30X50)	5.7	No Message	B.2.4-5b	0.000452	0.000606
Piso 1	B52	908	VC(30X50)	0.3	No Message	B.2.4-5b	0.000452	0.000625
Piso 1	B52	908	VC(30X50)	0.79091	No Message	B.2.4-5b	0.000452	0.000498
Piso 1	B52	908	VC(30X50)	1.28182	No Message	B.2.4-7b	0.000452	0.000452
Piso 1	B52	908	VC(30X50)	1.77273	No Message	B.2.4-7b	0.000361	0.000361

Table: Concrete Beam Design Summary - ACI 318-08, Part 1 of 4

Story	Label	UniqueName	DesignSect	Station	Status	AsTopCombo	AsMinTop	AsTop
Unitless	Unitless	Unitless	Unitless	m	Unitless	Unitless	m²	m²
Piso 1	B52	908	VC(30X50)	2.26364	No Message	B.2.4-5b	0.000279	0.000279
Piso 1	B52	908	VC(30X50)	2.75455	No Message	B.2.4-5b	0.000279	0.000279
Piso 1	B52	908	VC(30X50)	3.24545	No Message	B.2.4-5b	0.000279	0.000279
Piso 1	B52	908	VC(30X50)	3.73636	No Message	B.2.4-5b	0.000279	0.000279
Piso 1	B52	908	VC(30X50)	4.22727	No Message	B.2.4-5b	0.000388	0.000388
Piso 1	B52	908	VC(30X50)	4.71818	No Message	B.2.4-7b	0.000452	0.000452
Piso 1	B52	908	VC(30X50)	5.20909	No Message	B.2.4-5b	0.000452	0.000545
Piso 1	B52	908	VC(30X50)	5.7	No Message	B.2.4-5b	0.000452	0.000685
Piso 1	B82	1034	VC(30X50)	0.25	No Message	B.2.4-5b	0.000452	0.000724
Piso 1	B82	1034	VC(30X50)	0.75	No Message	B.2.4-5b	0.000452	0.000569
Piso 1	B82	1034	VC(30X50)	1.25	No Message	B.2.4-7b	0.000452	0.000452
Piso 1	B82	1034	VC(30X50)	1.75	No Message	B.2.4-7b	0.000389	0.000389
Piso 1	B82	1034	VC(30X50)	2.25	No Message	B.2.4-5b	0.00026	0.00026
Piso 1	B82	1034	VC(30X50)	2.75	No Message	B.2.4-5b	0.00026	0.00026
Piso 1	B82	1034	VC(30X50)	3.25	No Message	B.2.4-5b	0.00026	0.00026
Piso 1	B82	1034	VC(30X50)	3.75	No Message	B.2.4-5b	0.00026	0.00026
Piso 1	B82	1034	VC(30X50)	4.25	No Message	B.2.4-7b	0.000375	0.000375
Piso 1	B82	1034	VC(30X50)	4.75	No Message	B.2.4-7b	0.000452	0.000452
Piso 1	B82	1034	VC(30X50)	5.25	No Message	B.2.4-7b	0.000452	0.000543
Piso 1	B82	1034	VC(30X50)	5.75	No Message	B.2.4-5b	0.000452	0.000689
Piso 1	B83	1035	VC(30X50)	0.25	No Message	B.2.4-5b	0.000452	0.000657
Piso 1	B83	1035	VC(30X50)	0.75	No Message	B.2.4-5b	0.000452	0.00051
Piso 1	B83	1035	VC(30X50)	1.25	No Message	B.2.4-7b	0.000452	0.000452
Piso 1	B83	1035	VC(30X50)	1.75	No Message	B.2.4-7b	0.000337	0.000337
Piso 1	B83	1035	VC(30X50)	2.25	No Message	B.2.4-5b	0.000227	0.000227
Piso 1	B83	1035	VC(30X50)	2.75	No Message	B.2.4-5b	0.000227	0.000227
Piso 1	B83	1035	VC(30X50)	3.25	No Message	B.2.4-5b	0.000227	0.000227
Piso 1	B83	1035	VC(30X50)	3.75	No Message	B.2.4-5b	0.000227	0.000227
Piso 1	B83	1035	VC(30X50)	4.25	No Message	B.2.4-7b	0.000363	0.000363
Piso 1	B83	1035	VC(30X50)	4.75	No Message	B.2.4-7b	0.000452	0.000452
Piso 1	B83	1035	VC(30X50)	5.25	No Message	B.2.4-5b	0.000452	0.000549
Piso 1	B83	1035	VC(30X50)	5.75	No Message	B.2.4-5b	0.000452	0.000706
Piso 1	B158	968	VC(30X50)	0.2	No Message	B.2.4-7b	0.000452	0.000452
Piso 1	B158	968	VC(30X50)	0.66667	No Message	B.2.4-5b	0.000452	0.000452
Piso 1	B158	968	VC(30X50)	1.13333	No Message	B.2.4-5b	0.000343	0.000343
Piso 1	B158	968	VC(30X50)	1.6	No Message	B.2.4-7b	0.00024	0.00024
Piso 1	B158	968	VC(30X50)	2.06667	No Message	B.2.4-7b	0.00015	0.00015
Piso 1	B158	968	VC(30X50)	2.53333	No Message	B.2.4-5b	0.00015	0.00015
Piso 1	B158	968	VC(30X50)	3	No Message	B.2.4-5b	0.00015	0.00015
Piso 1	B158	968	VC(30X50)	3.46667	No Message	B.2.4-5b	0.00015	0.00015
Piso 1	B158	968	VC(30X50)	3.93333	No Message	B.2.4-5b	0.00015	0.00015
Piso 1	B158	968	VC(30X50)	4.4	No Message	B.2.4-7b	0.000177	0.000177
Piso 1	B158	968	VC(30X50)	4.86667	No Message	B.2.4-7b	0.000267	0.000267
Piso 1	B158	968	VC(30X50)	5.33333	No Message	B.2.4-5b	0.000366	0.000366
Piso 1	B158	968	VC(30X50)	5.8	No Message	B.2.4-7b	0.000452	0.000452
Piso 1	B159	972	VC(30X50)	0.2	No Message	B.2.4-5b	0.000452	0.000452
Piso 1	B159	972	VC(30X50)	0.66667	No Message	B.2.4-5b	0.000355	0.000355
Piso 1	B159	972	VC(30X50)	1.13333	No Message	B.2.4-7b	0.000267	0.000267

Table: Concrete Beam Design Summary - ACI 318-08, Part 1 of 4

Story	Label	UniqueName	DesignSect	Station	Status	AsTopCombo	AsMinTop	AsTop
Unitless	Unitless	Unitless	Unitless	m	Unitless	Unitless	m²	m²
Piso 1	B159	972	VC(30X50)	1.6	No Message	B.2.4-7b	0.000189	0.000189
Piso 1	B159	972	VC(30X50)	2.06667	No Message	B.2.4-5b	0.000141	0.000141
Piso 1	B159	972	VC(30X50)	2.53333	No Message	B.2.4-5b	0.000141	0.000141
Piso 1	B159	972	VC(30X50)	3	No Message	B.2.4-5b	0.000141	0.000141
Piso 1	B159	972	VC(30X50)	3.46667	No Message	B.2.4-5b	0.000141	0.000141
Piso 1	B159	972	VC(30X50)	3.93333	No Message	B.2.4-5b	0.000141	0.000141
Piso 1	B159	972	VC(30X50)	4.4	No Message	B.2.4-5b	0.000204	0.000204
Piso 1	B159	972	VC(30X50)	4.86667	No Message	B.2.4-5b	0.0003	0.0003
Piso 1	B159	972	VC(30X50)	5.33333	No Message	B.2.4-5b	0.000405	0.000405
Piso 1	B159	972	VC(30X50)	5.8	No Message	B.2.4-7b	0.000452	0.000452
Piso 1	B179	139	VC(55X50)	0	No Message	B.2.4-7b	0.000165	0.000165
Piso 1	B179	139	VC(55X50)	0.5	No Message	B.2.4-5b	0.00011	0.00011
Piso 1	B179	139	VC(55X50)	1	No Message	B.2.4-5b	0.00011	0.00011
Piso 1	B179	139	VC(55X50)	1.5	No Message	B.2.4-5b	0.00011	0.00011
Piso 1	B179	139	VC(55X50)	2	No Message	B.2.4-5b	0.00011	0.00011
Piso 1	B179	139	VC(55X50)	2.5	No Message	B.2.4-5b	0.00011	0.00011
Piso 1	B179	139	VC(55X50)	3	No Message	B.2.4-5b	0.00011	0.00011
Piso 1	B179	139	VC(55X50)	3.5	No Message	B.2.4-5b	0.00011	0.00011
Piso 1	B179	139	VC(55X50)	4	No Message	B.2.4-5b	0.00011	0.00011
Piso 1	B179	139	VC(55X50)	4.5	No Message	B.2.4-5b	0.00011	0.00011
Piso 1	B179	139	VC(55X50)	5	No Message	B.2.4-5b	0.00011	0.00011
Piso 1	B179	139	VC(55X50)	5.5	No Message	B.2.4-5b	0.000182	0.000182
Piso 1	B179	139	VC(55X50)	6	No Message	B.2.4-5b	0.00029	0.00029
Piso 1	B190	142	VC(55X50)	0	No Message	B.2.4-5b	0.000306	0.000306
Piso 1	B190	142	VC(55X50)	0.5	No Message	B.2.4-5b	0.000222	0.000222
Piso 1	B190	142	VC(55X50)	1	No Message	B.2.4-5b	0.000164	0.000164
Piso 1	B190	142	VC(55X50)	1.5	No Message	B.2.4-5b	0.000164	0.000164
Piso 1	B190	142	VC(55X50)	2	No Message	B.2.4-5b	0.000164	0.000164
Piso 1	B190	142	VC(55X50)	2.5	No Message	B.2.4-5b	0.000164	0.000164
Piso 1	B190	142	VC(55X50)	3	No Message	B.2.4-5b	0.000164	0.000164
Piso 1	B190	142	VC(55X50)	3.5	No Message	B.2.4-5b	0.000164	0.000164
Piso 1	B190	142	VC(55X50)	4	No Message	B.2.4-5b	0.000164	0.000164
Piso 1	B190	142	VC(55X50)	4.5	No Message	B.2.4-5b	0.000164	0.000164
Piso 1	B190	142	VC(55X50)	5	No Message	B.2.4-5b	0.000164	0.000164
Piso 1	B190	142	VC(55X50)	5.5	No Message	B.2.4-5b	0.000235	0.000235
Piso 1	B190	142	VC(55X50)	6	No Message	B.2.4-5b	0.000322	0.000322
Piso 1	B198	138	VC(55X50)	0	No Message	B.2.4-5b	0.000254	0.000254
Piso 1	B198	138	VC(55X50)	0.49447	No Message	B.2.4-5b	0.000187	0.000187
Piso 1	B198	138	VC(55X50)	0.98894	No Message	B.2.4-5b	0.000174	0.000174
Piso 1	B198	138	VC(55X50)	1.48341	No Message	B.2.4-5b	0.000192	0.000192
Piso 1	B198	138	VC(55X50)	1.97788	No Message	B.2.4-5b	0.000227	0.000227
Piso 1	B198	138	VC(55X50)	2.47235	No Message	B.2.4-5b	0.000274	0.000274
Piso 1	B301	141	VC(55X50)	0	No Message	B.2.4-5b	0.000511	0.000511
Piso 1	B301	141	VC(55X50)	0.42765	No Message	B.2.4-5b	0.000345	0.000345
Piso 1	B301	141	VC(55X50)	0.42765	No Message	B.2.4-5b	0.000363	0.000363
Piso 1	B301	141	VC(55X50)	0.89432	No Message	B.2.4-7b	0.000288	0.000288
Piso 1	B301	141	VC(55X50)	1.36098	No Message	B.2.4-5b	0.000259	0.000259
Piso 1	B301	141	VC(55X50)	1.82765	No Message	B.2.4-5b	0.000259	0.000259

Table: Concrete Beam Design Summary - ACI 318-08, Part 1 of 4

Story	Label	UniqueName	DesignSect	Station	Status	AsTopCombo	AsMinTop	AsTop
Unitless	Unitless	Unitless	Unitless	m	Unitless	Unitless	m²	m²
Piso 1	B301	141	VC(55X50)	1.82765	No Message	B.2.4-5b	0.000262	0.000262
Piso 1	B301	141	VC(55X50)	2.25265	No Message	B.2.4-5b	0.000262	0.000262
Piso 1	B301	141	VC(55X50)	2.67765	No Message	B.2.4-5b	0.000262	0.000262
Piso 1	B301	141	VC(55X50)	3.10265	No Message	B.2.4-5b	0.000262	0.000262
Piso 1	B301	141	VC(55X50)	3.52765	No Message	B.2.4-7b	0.000302	0.000302

Table: Concrete Beam Design Summary - ACI 318-08, Part 2 of 4

Table: Concrete Beam Design Summary - ACI 318-08, Part 2 of 4

Story	Label	UniqueName	Station	AsBotCombo	AsMinBot	AsBot	VCombo	VRebar
Unitless	Unitless	Unitless	m	Unitless	m²	m²	Unitless	m²/m
Piso 1	B1	688	0.25	B.2.4-7b	0.000552	0.000636	B.2.4-5b	0.00051
Piso 1	B1	688	0.70909	B.2.4-7b	0.000552	0.000552	B.2.4-5b	0.0005
Piso 1	B1	688	1.16818	B.2.4-7b	0.000552	0.000552	B.2.4-5b	0.00049
Piso 1	B1	688	1.62727	B.2.4-5b	0.00042	0.00042	B.2.4-5b	0.00047
Piso 1	B1	688	2.08636	B.2.4-5b	0.000269	0.000269	B.2.4-5b	0.00046
Piso 1	B1	688	2.54545	B.2.4-7b	0.00025	0.00025	B.2.4-5b	0.00044
Piso 1	B1	688	3.00455	B.2.4-7b	0.00025	0.00025	B.2.4-5b	0.00044
Piso 1	B1	688	3.46364	B.2.4-5b	0.000333	0.000333	B.2.4-5b	0.00046
Piso 1	B1	688	3.92273	B.2.4-5b	0.000476	0.000476	B.2.4-5b	0.00047
Piso 1	B1	688	4.38182	B.2.4-7b	0.000552	0.000552	B.2.4-5b	0.00049
Piso 1	B1	688	4.84091	B.2.4-5b	0.000552	0.000559	B.2.4-5b	0.0005
Piso 1	B1	688	5.3	B.2.4-7b	0.000552	0.00066	B.2.4-5b	0.00051
Piso 1	B27	808	0.25	B.2.4-7b	0.000552	0.00066	B.2.4-5b	0.00057
Piso 1	B27	808	0.70909	B.2.4-7b	0.000552	0.000552	B.2.4-5b	0.00056
Piso 1	B27	808	1.16818	B.2.4-7b	0.000552	0.000552	B.2.4-5b	0.00055
Piso 1	B27	808	1.62727	B.2.4-5b	0.000429	0.000429	B.2.4-5b	0.00053
Piso 1	B27	808	2.08636	B.2.4-7b	0.000277	0.000277	B.2.4-5b	0.00052
Piso 1	B27	808	2.54545	B.2.4-7b	0.000277	0.000277	B.2.4-5b	0.0005
Piso 1	B27	808	3.00455	B.2.4-7b	0.000277	0.000277	B.2.4-5b	0.0005
Piso 1	B27	808	3.46364	B.2.4-5b	0.000394	0.000394	B.2.4-5b	0.00052
Piso 1	B27	808	3.92273	B.2.4-7b	0.000552	0.000552	B.2.4-5b	0.00053
Piso 1	B27	808	4.38182	B.2.4-7b	0.000552	0.000552	B.2.4-5b	0.00055
Piso 1	B27	808	4.84091	B.2.4-5b	0.000552	0.000673	B.2.4-5b	0.00056
Piso 1	B27	808	5.3	B.2.4-7b	0.000552	0.000793	B.2.4-5b	0.00057
Piso 1	B28	812	0.3	B.2.4-5b	0.000552	0.000629	B.2.4-5b	0.00042
Piso 1	B28	812	0.7875	B.2.4-5b	0.000552	0.000586	B.2.4-5b	0.00041
Piso 1	B28	812	1.275	B.2.4-7b	0.000552	0.000552	B.2.4-5b	0.0004
Piso 1	B28	812	1.7625	B.2.4-7b	0.000552	0.000552	B.2.4-5b	0.00038
Piso 1	B28	812	2.25	B.2.4-5b	0.000552	0.000552	B.2.4-5b	0.00037
Piso 1	B28	812	2.7375	B.2.4-5b	0.00047	0.00047	B.2.4-5b	0.00035
Piso 1	B28	812	3.225	B.2.4-5b	0.000374	0.000374	B.2.4-5b	0.00034
Piso 1	B28	812	3.7125	B.2.4-5b	0.000338	0.000338	B.2.4-5b	0.00032
Piso 1	B28	812	4.2	B.2.4-5b	0.000338	0.000338	B.2.4-7b	0.00031
Piso 1	B28	812	4.6875	B.2.4-5b	0.000338	0.000338	B.2.4-5b	0.00032
Piso 1	B28	812	5.175	B.2.4-5b	0.000339	0.000339	B.2.4-5b	0.00034
Piso 1	B28	812	5.6625	B.2.4-5b	0.000415	0.000415	B.2.4-5b	0.00035

Table: Concrete Beam Design Summary - ACI 318-08, Part 2 of 4

Story	Label	UniqueName	Station	AsBotCombo	AsMinBot	AsBot	VCombo	VRebar
Unitless	Unitless	Unitless	m	Unitless	m²	m²	Unitless	m²/m
Piso 1	B28	812	6.15	B.2.4-5b	0.000483	0.000483	B.2.4-5b	0.00037
Piso 1	B28	812	6.6375	B.2.4-7b	0.000548	0.000548	B.2.4-5b	0.00038
Piso 1	B28	812	7.125	B.2.4-7b	0.000552	0.000552	B.2.4-5b	0.0004
Piso 1	B28	812	7.6125	B.2.4-7b	0.000552	0.000552	B.2.4-5b	0.00041
Piso 1	B28	812	8.1	B.2.4-7b	0.000552	0.000552	B.2.4-5b	0.00042
Piso 1	B31	824	0.25	B.2.4-7b	0.000552	0.000593	B.2.4-5b	0.0005
Piso 1	B31	824	0.70909	B.2.4-7b	0.000552	0.000552	B.2.4-5b	0.00049
Piso 1	B31	824	1.16818	B.2.4-7b	0.000519	0.000519	B.2.4-5b	0.00047
Piso 1	B31	824	1.62727	B.2.4-5b	0.000381	0.000381	B.2.4-5b	0.00046
Piso 1	B31	824	2.08636	B.2.4-5b	0.00024	0.00024	B.2.4-5b	0.00044
Piso 1	B31	824	2.54545	B.2.4-7b	0.000227	0.000227	B.2.4-5b	0.00043
Piso 1	B31	824	3.00455	B.2.4-7b	0.000227	0.000227	B.2.4-5b	0.00043
Piso 1	B31	824	3.46364	B.2.4-5b	0.000324	0.000324	B.2.4-5b	0.00044
Piso 1	B31	824	3.92273	B.2.4-5b	0.000473	0.000473	B.2.4-5b	0.00046
Piso 1	B31	824	4.38182	B.2.4-7b	0.000552	0.000552	B.2.4-5b	0.00047
Piso 1	B31	824	4.84091	B.2.4-7b	0.000552	0.000569	B.2.4-5b	0.00049
Piso 1	B31	824	5.3	B.2.4-7b	0.000552	0.000674	B.2.4-5b	0.0005
Piso 1	B32	828	0.3	B.2.4-5b	0.000552	0.000784	B.2.4-5b	0.00049
Piso 1	B32	828	0.7875	B.2.4-5b	0.000552	0.000722	B.2.4-5b	0.00048
Piso 1	B32	828	1.275	B.2.4-5b	0.000552	0.000654	B.2.4-5b	0.00046
Piso 1	B32	828	1.7625	B.2.4-5b	0.000552	0.00058	B.2.4-5b	0.00045
Piso 1	B32	828	2.25	B.2.4-7b	0.000552	0.000552	B.2.4-5b	0.00043
Piso 1	B32	828	2.7375	B.2.4-5b	0.000552	0.000552	B.2.4-5b	0.00042
Piso 1	B32	828	3.225	B.2.4-5b	0.000434	0.000434	B.2.4-5b	0.0004
Piso 1	B32	828	3.7125	B.2.4-5b	0.000423	0.000423	B.2.4-5b	0.00039
Piso 1	B32	828	4.2	B.2.4-5b	0.000423	0.000423	B.2.4-7b	0.00037
Piso 1	B32	828	4.6875	B.2.4-5b	0.000423	0.000423	B.2.4-5b	0.00039
Piso 1	B32	828	5.175	B.2.4-5b	0.000423	0.000423	B.2.4-5b	0.0004
Piso 1	B32	828	5.6625	B.2.4-5b	0.000423	0.000423	B.2.4-5b	0.00042
Piso 1	B32	828	6.15	B.2.4-5b	0.000423	0.000423	B.2.4-5b	0.00043
Piso 1	B32	828	6.6375	B.2.4-5b	0.000423	0.000423	B.2.4-5b	0.00045
Piso 1	B32	828	7.125	B.2.4-5b	0.000423	0.000423	B.2.4-5b	0.00046
Piso 1	B32	828	7.6125	B.2.4-5b	0.000423	0.000423	B.2.4-5b	0.00048
Piso 1	B32	828	8.1	B.2.4-5b	0.000552	0.000565	B.2.4-5b	0.00049
Piso 1	B36	844	0.25	B.2.4-7b	0.000552	0.000614	B.2.4-5b	0.00055
Piso 1	B36	844	0.70909	B.2.4-7b	0.000552	0.000552	B.2.4-5b	0.00054
Piso 1	B36	844	1.16818	B.2.4-7b	0.000539	0.000539	B.2.4-5b	0.00053
Piso 1	B36	844	1.62727	B.2.4-7b	0.000393	0.000393	B.2.4-5b	0.00051
Piso 1	B36	844	2.08636	B.2.4-7b	0.000261	0.000261	B.2.4-5b	0.0005
Piso 1	B36	844	2.54545	B.2.4-7b	0.000261	0.000261	B.2.4-5b	0.00048
Piso 1	B36	844	3.00455	B.2.4-7b	0.000261	0.000261	B.2.4-5b	0.00048
Piso 1	B36	844	3.46364	B.2.4-7b	0.000352	0.000352	B.2.4-5b	0.0005
Piso 1	B36	844	3.92273	B.2.4-7b	0.000522	0.000522	B.2.4-5b	0.00051
Piso 1	B36	844	4.38182	B.2.4-7b	0.000552	0.000552	B.2.4-5b	0.00053
Piso 1	B36	844	4.84091	B.2.4-7b	0.000552	0.000639	B.2.4-5b	0.00054
Piso 1	B36	844	5.3	B.2.4-7b	0.000552	0.000759	B.2.4-5b	0.00055
Piso 1	B37	848	0.3	B.2.4-7b	0.000552	0.000552	B.2.4-5b	0.00039
Piso 1	B37	848	0.7875	B.2.4-7b	0.000552	0.000552	B.2.4-5b	0.00037

Table: Concrete Beam Design Summary - ACI 318-08, Part 2 of 4

Story	Label	UniqueName	Station	AsBotComb o	AsMinBot	AsBot	VCombo	VRebar
Unitless	Unitless	Unitless	m	Unitless	m²	m²	Unitless	m²/m
Piso 1	B37	848	1.275	B.2.4-7b	0.000552	0.000552	B.2.4-5b	0.00036
Piso 1	B37	848	1.7625	B.2.4-5b	0.000551	0.000551	B.2.4-5b	0.00034
Piso 1	B37	848	2.25	B.2.4-5b	0.000485	0.000485	B.2.4-5b	0.00033
Piso 1	B37	848	2.7375	B.2.4-5b	0.000411	0.000411	B.2.4-5b	0.00032
Piso 1	B37	848	3.225	B.2.4-5b	0.000329	0.000329	B.2.4-5b	0.0003
Piso 1	B37	848	3.7125	B.2.4-5b	0.000288	0.000288	B.2.4-5b	0.00029
Piso 1	B37	848	4.2	B.2.4-5b	0.000288	0.000288	B.2.4-7b	0.00027
Piso 1	B37	848	4.6875	B.2.4-5b	0.000288	0.000288	B.2.4-5b	0.00029
Piso 1	B37	848	5.175	B.2.4-5b	0.000301	0.000301	B.2.4-5b	0.0003
Piso 1	B37	848	5.6625	B.2.4-5b	0.000371	0.000371	B.2.4-5b	0.00032
Piso 1	B37	848	6.15	B.2.4-5b	0.000434	0.000434	B.2.4-5b	0.00033
Piso 1	B37	848	6.6375	B.2.4-7b	0.000493	0.000493	B.2.4-5b	0.00034
Piso 1	B37	848	7.125	B.2.4-7b	0.000552	0.000552	B.2.4-5b	0.00036
Piso 1	B37	848	7.6125	B.2.4-7b	0.000552	0.000552	B.2.4-5b	0.00037
Piso 1	B37	848	8.1	B.2.4-7b	0.000552	0.000552	B.2.4-5b	0.00039
Piso 1	B41	864	0.3	B.2.4-7b	0.000452	0.000611	B.2.4-5b	0.00047
Piso 1	B41	864	0.79091	B.2.4-7b	0.000452	0.000521	B.2.4-5b	0.00045
Piso 1	B41	864	1.28182	B.2.4-7b	0.000452	0.000452	B.2.4-5b	0.00044
Piso 1	B41	864	1.77273	B.2.4-5b	0.000448	0.000448	B.2.4-5b	0.00042
Piso 1	B41	864	2.26364	B.2.4-5b	0.000318	0.000318	B.2.4-5b	0.00041
Piso 1	B41	864	2.75455	B.2.4-5b	0.000276	0.000276	B.2.4-5b	0.00039
Piso 1	B41	864	3.24545	B.2.4-5b	0.000276	0.000276	B.2.4-5b	0.00039
Piso 1	B41	864	3.73636	B.2.4-5b	0.000316	0.000316	B.2.4-5b	0.00041
Piso 1	B41	864	4.22727	B.2.4-5b	0.000446	0.000446	B.2.4-5b	0.00042
Piso 1	B41	864	4.71818	B.2.4-7b	0.000452	0.000452	B.2.4-5b	0.00044
Piso 1	B41	864	5.20909	B.2.4-7b	0.000452	0.000516	B.2.4-5b	0.00045
Piso 1	B41	864	5.7	B.2.4-7b	0.000452	0.000606	B.2.4-5b	0.00047
Piso 1	B42	868	0.3	B.2.4-7b	0.000452	0.000569	B.2.4-5b	0.00046
Piso 1	B42	868	0.79091	B.2.4-7b	0.000452	0.000481	B.2.4-5b	0.00044
Piso 1	B42	868	1.28182	B.2.4-7b	0.000452	0.000452	B.2.4-5b	0.00043
Piso 1	B42	868	1.77273	B.2.4-5b	0.000397	0.000397	B.2.4-5b	0.00041
Piso 1	B42	868	2.26364	B.2.4-5b	0.00027	0.00027	B.2.4-5b	0.0004
Piso 1	B42	868	2.75455	B.2.4-5b	0.000234	0.000234	B.2.4-5b	0.00038
Piso 1	B42	868	3.24545	B.2.4-5b	0.000234	0.000234	B.2.4-5b	0.00038
Piso 1	B42	868	3.73636	B.2.4-5b	0.000275	0.000275	B.2.4-5b	0.0004
Piso 1	B42	868	4.22727	B.2.4-5b	0.000409	0.000409	B.2.4-5b	0.00041
Piso 1	B42	868	4.71818	B.2.4-7b	0.000452	0.000452	B.2.4-5b	0.00043
Piso 1	B42	868	5.20909	B.2.4-7b	0.000452	0.000493	B.2.4-5b	0.00044
Piso 1	B42	868	5.7	B.2.4-7b	0.000452	0.000585	B.2.4-5b	0.00046
Piso 1	B51	904	0.3	B.2.4-7b	0.000452	0.000512	B.2.4-5b	0.00045
Piso 1	B51	904	0.79091	B.2.4-7b	0.000452	0.000452	B.2.4-5b	0.00043
Piso 1	B51	904	1.28182	B.2.4-7b	0.000452	0.000452	B.2.4-5b	0.00042
Piso 1	B51	904	1.77273	B.2.4-5b	0.000382	0.000382	B.2.4-5b	0.0004
Piso 1	B51	904	2.26364	B.2.4-5b	0.000278	0.000278	B.2.4-5b	0.00039
Piso 1	B51	904	2.75455	B.2.4-5b	0.000266	0.000266	B.2.4-5b	0.00037
Piso 1	B51	904	3.24545	B.2.4-5b	0.000266	0.000266	B.2.4-5b	0.00037
Piso 1	B51	904	3.73636	B.2.4-5b	0.000303	0.000303	B.2.4-5b	0.00039
Piso 1	B51	904	4.22727	B.2.4-5b	0.000427	0.000427	B.2.4-5b	0.0004

Table: Concrete Beam Design Summary - ACI 318-08, Part 2 of 4

Story	Label	UniqueName	Station	AsBotComb o	AsMinBot	AsBot	VCombo	VRebar
Unitless	Unitless	Unitless	m	Unitless	m²	m²	Unitless	m²/m
Piso 1	B51	904	4.71818	B.2.4-7b	0.000452	0.000452	B.2.4-5b	0.00042
Piso 1	B51	904	5.20909	B.2.4-5b	0.000452	0.000489	B.2.4-5b	0.00043
Piso 1	B51	904	5.7	B.2.4-5b	0.000452	0.000565	B.2.4-5b	0.00045
Piso 1	B52	908	0.3	B.2.4-5b	0.000452	0.000569	B.2.4-5b	0.00045
Piso 1	B52	908	0.79091	B.2.4-5b	0.000452	0.000495	B.2.4-5b	0.00043
Piso 1	B52	908	1.28182	B.2.4-7b	0.000452	0.000452	B.2.4-5b	0.00042
Piso 1	B52	908	1.77273	B.2.4-5b	0.000441	0.000441	B.2.4-5b	0.0004
Piso 1	B52	908	2.26364	B.2.4-5b	0.000321	0.000321	B.2.4-5b	0.00039
Piso 1	B52	908	2.75455	B.2.4-5b	0.000279	0.000279	B.2.4-5b	0.00037
Piso 1	B52	908	3.24545	B.2.4-5b	0.000279	0.000279	B.2.4-5b	0.00037
Piso 1	B52	908	3.73636	B.2.4-5b	0.000291	0.000291	B.2.4-5b	0.00039
Piso 1	B52	908	4.22727	B.2.4-5b	0.000396	0.000396	B.2.4-5b	0.0004
Piso 1	B52	908	4.71818	B.2.4-7b	0.000452	0.000452	B.2.4-5b	0.00042
Piso 1	B52	908	5.20909	B.2.4-7b	0.000452	0.000452	B.2.4-5b	0.00043
Piso 1	B52	908	5.7	B.2.4-7b	0.000452	0.00052	B.2.4-5b	0.00045
Piso 1	B82	1034	0.25	B.2.4-7b	0.000452	0.000603	B.2.4-5b	0.00047
Piso 1	B82	1034	0.75	B.2.4-7b	0.000452	0.000514	B.2.4-5b	0.00045
Piso 1	B82	1034	1.25	B.2.4-7b	0.000452	0.000452	B.2.4-5b	0.00044
Piso 1	B82	1034	1.75	B.2.4-5b	0.000432	0.000432	B.2.4-5b	0.00042
Piso 1	B82	1034	2.25	B.2.4-5b	0.000303	0.000303	B.2.4-5b	0.00041
Piso 1	B82	1034	2.75	B.2.4-5b	0.00026	0.00026	B.2.4-5b	0.00039
Piso 1	B82	1034	3.25	B.2.4-5b	0.00026	0.00026	B.2.4-5b	0.00039
Piso 1	B82	1034	3.75	B.2.4-5b	0.000312	0.000312	B.2.4-5b	0.00041
Piso 1	B82	1034	4.25	B.2.4-5b	0.000448	0.000448	B.2.4-5b	0.00042
Piso 1	B82	1034	4.75	B.2.4-7b	0.000452	0.000452	B.2.4-5b	0.00044
Piso 1	B82	1034	5.25	B.2.4-7b	0.000452	0.000526	B.2.4-5b	0.00045
Piso 1	B82	1034	5.75	B.2.4-7b	0.000452	0.000619	B.2.4-5b	0.00047
Piso 1	B83	1035	0.25	B.2.4-7b	0.000452	0.000596	B.2.4-5b	0.00046
Piso 1	B83	1035	0.75	B.2.4-7b	0.000452	0.000502	B.2.4-5b	0.00044
Piso 1	B83	1035	1.25	B.2.4-7b	0.000452	0.000452	B.2.4-5b	0.00043
Piso 1	B83	1035	1.75	B.2.4-5b	0.000408	0.000408	B.2.4-5b	0.00041
Piso 1	B83	1035	2.25	B.2.4-5b	0.000271	0.000271	B.2.4-5b	0.0004
Piso 1	B83	1035	2.75	B.2.4-5b	0.000227	0.000227	B.2.4-5b	0.00038
Piso 1	B83	1035	3.25	B.2.4-5b	0.000227	0.000227	B.2.4-5b	0.00038
Piso 1	B83	1035	3.75	B.2.4-5b	0.000258	0.000258	B.2.4-5b	0.0004
Piso 1	B83	1035	4.25	B.2.4-5b	0.000384	0.000384	B.2.4-5b	0.00041
Piso 1	B83	1035	4.75	B.2.4-7b	0.000452	0.000452	B.2.4-5b	0.00043
Piso 1	B83	1035	5.25	B.2.4-7b	0.000452	0.000472	B.2.4-5b	0.00044
Piso 1	B83	1035	5.75	B.2.4-7b	0.000452	0.000559	B.2.4-5b	0.00046
Piso 1	B158	968	0.2	B.2.4-7b	0.000395	0.000395	B.2.4-5b	0.00033
Piso 1	B158	968	0.66667	B.2.4-7b	0.000356	0.000356	B.2.4-5b	0.00031
Piso 1	B158	968	1.13333	B.2.4-7b	0.000311	0.000311	B.2.4-5b	0.0003
Piso 1	B158	968	1.6	B.2.4-5b	0.000263	0.000263	B.2.4-5b	0.00029
Piso 1	B158	968	2.06667	B.2.4-5b	0.000213	0.000213	B.2.4-5b	0.00027
Piso 1	B158	968	2.53333	B.2.4-5b	0.000156	0.000156	B.2.4-5b	0.00026
Piso 1	B158	968	3	B.2.4-5b	0.00015	0.00015	B.2.4-7b	0.00025
Piso 1	B158	968	3.46667	B.2.4-5b	0.00015	0.00015	B.2.4-5b	0.00026
Piso 1	B158	968	3.93333	B.2.4-5b	0.000185	0.000185	B.2.4-5b	0.00027

Table: Concrete Beam Design Summary - ACI 318-08, Part 2 of 4

Story	Label	UniqueName	Station	AsBotCombo	AsMinBot	AsBot	VCombo	VRebar
Unitless	Unitless	Unitless	m	Unitless	m²	m²	Unitless	m²/m
Piso 1	B158	968	4.4	B.2.4-5b	0.000243	0.000243	B.2.4-5b	0.00029
Piso 1	B158	968	4.86667	B.2.4-5b	0.000294	0.000294	B.2.4-5b	0.0003
Piso 1	B158	968	5.33333	B.2.4-7b	0.000339	0.000339	B.2.4-5b	0.00031
Piso 1	B158	968	5.8	B.2.4-7b	0.000384	0.000384	B.2.4-5b	0.00033
Piso 1	B159	972	0.2	B.2.4-7b	0.000363	0.000363	B.2.4-5b	0.00032
Piso 1	B159	972	0.66667	B.2.4-7b	0.000326	0.000326	B.2.4-5b	0.00031
Piso 1	B159	972	1.13333	B.2.4-5b	0.00029	0.00029	B.2.4-5b	0.00029
Piso 1	B159	972	1.6	B.2.4-5b	0.000246	0.000246	B.2.4-5b	0.00028
Piso 1	B159	972	2.06667	B.2.4-5b	0.000196	0.000196	B.2.4-5b	0.00026
Piso 1	B159	972	2.53333	B.2.4-5b	0.000141	0.000141	B.2.4-7b	0.00025
Piso 1	B159	972	3	B.2.4-5b	0.000141	0.000141	B.2.4-7b	0.00025
Piso 1	B159	972	3.46667	B.2.4-5b	0.000141	0.000141	B.2.4-7b	0.00025
Piso 1	B159	972	3.93333	B.2.4-5b	0.000148	0.000148	B.2.4-5b	0.00026
Piso 1	B159	972	4.4	B.2.4-7b	0.000188	0.000188	B.2.4-5b	0.00028
Piso 1	B159	972	4.86667	B.2.4-7b	0.000226	0.000226	B.2.4-5b	0.00029
Piso 1	B159	972	5.33333	B.2.4-7b	0.000258	0.000258	B.2.4-5b	0.00031
Piso 1	B159	972	5.8	B.2.4-7b	0.000285	0.000285	B.2.4-5b	0.00032
Piso 1	B179	139	0	B.2.4-7b	0.000109	0.000109	B.2.4-7b	0
Piso 1	B179	139	0.5	B.2.4-5b	0.00014	0.00014	B.2.4-7b	0
Piso 1	B179	139	1	B.2.4-5b	0.000188	0.000188	B.2.4-7b	0
Piso 1	B179	139	1.5	B.2.4-5b	0.000221	0.000221	B.2.4-7b	0
Piso 1	B179	139	2	B.2.4-5b	0.000237	0.000237	B.2.4-7b	0
Piso 1	B179	139	2.5	B.2.4-5b	0.000239	0.000239	B.2.4-7b	0
Piso 1	B179	139	3	B.2.4-5b	0.000224	0.000224	B.2.4-7b	0
Piso 1	B179	139	3.5	B.2.4-5b	0.000194	0.000194	B.2.4-7b	0
Piso 1	B179	139	4	B.2.4-5b	0.000149	0.000149	B.2.4-7b	0
Piso 1	B179	139	4.5	B.2.4-5b	0.00011	0.00011	B.2.4-7b	0
Piso 1	B179	139	5	B.2.4-5b	0.00011	0.00011	B.2.4-7b	0
Piso 1	B179	139	5.5	B.2.4-5b	0.00011	0.00011	B.2.4-7b	0
Piso 1	B179	139	6	B.2.4-5b	0.00017	0.00017	B.2.4-7b	0
Piso 1	B190	142	0	B.2.4-5b	0.000212	0.000212	B.2.4-7b	0.00046
Piso 1	B190	142	0.5	B.2.4-5b	0.000164	0.000164	B.2.4-7b	0.00046
Piso 1	B190	142	1	B.2.4-5b	0.000164	0.000164	B.2.4-7b	0.00046
Piso 1	B190	142	1.5	B.2.4-5b	0.000166	0.000166	B.2.4-7b	0.00046
Piso 1	B190	142	2	B.2.4-5b	0.00021	0.00021	B.2.4-7b	0.00046
Piso 1	B190	142	2.5	B.2.4-5b	0.000233	0.000233	B.2.4-7b	0.00046
Piso 1	B190	142	3	B.2.4-5b	0.00024	0.00024	B.2.4-7b	0.00046
Piso 1	B190	142	3.5	B.2.4-5b	0.000232	0.000232	B.2.4-7b	0.00046
Piso 1	B190	142	4	B.2.4-5b	0.000208	0.000208	B.2.4-7b	0.00046
Piso 1	B190	142	4.5	B.2.4-5b	0.000164	0.000164	B.2.4-7b	0.00046
Piso 1	B190	142	5	B.2.4-5b	0.000164	0.000164	B.2.4-7b	0.00046
Piso 1	B190	142	5.5	B.2.4-5b	0.000164	0.000164	B.2.4-7b	0.00046
Piso 1	B190	142	6	B.2.4-5b	0.00022	0.00022	B.2.4-7b	0.00046
Piso 1	B198	138	0	B.2.4-5b	0.000187	0.000187	B.2.4-5b	0.00022
Piso 1	B198	138	0.49447	B.2.4-7b	0.000163	0.000163	B.2.4-5b	0.00019
Piso 1	B198	138	0.98894	B.2.4-7b	0.000163	0.000163	B.2.4-5b	0.00016
Piso 1	B198	138	1.48341	B.2.4-7b	0.000165	0.000165	B.2.4-5b	0.00016
Piso 1	B198	138	1.97788	B.2.4-7b	0.000182	0.000182	B.2.4-5b	0.00019

Table: Concrete Beam Design Summary - ACI 318-08, Part 2 of 4

Story	Label	UniqueName	Station	AsBotCombo	AsMinBot	AsBot	VCombo	VRebar
Unitless	Unitless	Unitless	m	Unitless	m²	m²	Unitless	m²/m
Piso 1	B198	138	2.47235	B.2.4-7b	0.000201	0.000201	B.2.4-5b	0.00022
Piso 1	B301	141	0	B.2.4-5b	0.000337	0.000337	B.2.4-7b	0.00046
Piso 1	B301	141	0.42765	B.2.4-5b	0.000255	0.000255	B.2.4-7b	0.00046
Piso 1	B301	141	0.42765	B.2.4-5b	0.000259	0.000259	B.2.4-7b	0.00046
Piso 1	B301	141	0.89432	B.2.4-5b	0.000259	0.000259	B.2.4-7b	0.00046
Piso 1	B301	141	1.36098	B.2.4-5b	0.000259	0.000259	B.2.4-7b	0.00046
Piso 1	B301	141	1.82765	B.2.4-5b	0.000259	0.000259	B.2.4-7b	0.00046
Piso 1	B301	141	1.82765	B.2.4-5b	0.000262	0.000262	B.2.4-5b	0.0003
Piso 1	B301	141	2.25265	B.2.4-5b	0.000262	0.000262	B.2.4-7b	0.00028
Piso 1	B301	141	2.67765	B.2.4-5b	0.000289	0.000289	B.2.4-5b	0.0003
Piso 1	B301	141	3.10265	B.2.4-5b	0.000346	0.000346	B.2.4-5b	0.00032
Piso 1	B301	141	3.52765	B.2.4-5b	0.000388	0.000388	B.2.4-5b	0.00035

Table: Concrete Beam Design Summary - ACI 318-08, Part 3 of 4

Table: Concrete Beam Design Summary - ACI 318-08, Part 3 of 4

Story	Label	UniqueName	Station	TLngCombo	TLngRebar	TTrnCombo	TTrnRebar	WarnMsg
Unitless	Unitless	Unitless	m	Unitless	m²	Unitless	m²/m	Unitless
Piso 1	B1	688	0.25	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B1	688	0.70909	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B1	688	1.16818	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B1	688	1.62727	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B1	688	2.08636	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B1	688	2.54545	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B1	688	3.00455	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B1	688	3.46364	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B1	688	3.92273	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B1	688	4.38182	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B1	688	4.84091	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B1	688	5.3	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B27	808	0.25	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B27	808	0.70909	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B27	808	1.16818	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B27	808	1.62727	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B27	808	2.08636	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B27	808	2.54545	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B27	808	3.00455	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B27	808	3.46364	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B27	808	3.92273	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B27	808	4.38182	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B27	808	4.84091	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B27	808	5.3	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B28	812	0.3	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B28	812	0.7875	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B28	812	1.275	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B28	812	1.7625	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B28	812	2.25	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B28	812	2.7375	B.2.4-7b	0	B.2.4-7b	0	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 3 of 4

Story	Label	UniqueName	Station	TLngCombo	TLngRebar	TTrnCombo	TTrnRebar	WarnMsg
Unitless	Unitless	Unitless	m	Unitless	m²	Unitless	m²/m	Unitless
Piso 1	B28	812	3.225	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B28	812	3.7125	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B28	812	4.2	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B28	812	4.6875	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B28	812	5.175	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B28	812	5.6625	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B28	812	6.15	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B28	812	6.6375	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B28	812	7.125	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B28	812	7.6125	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B28	812	8.1	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B31	824	0.25	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B31	824	0.70909	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B31	824	1.16818	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B31	824	1.62727	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B31	824	2.08636	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B31	824	2.54545	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B31	824	3.00455	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B31	824	3.46364	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B31	824	3.92273	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B31	824	4.38182	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B31	824	4.84091	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B31	824	5.3	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B32	828	0.3	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B32	828	0.7875	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B32	828	1.275	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B32	828	1.7625	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B32	828	2.25	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B32	828	2.7375	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B32	828	3.225	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B32	828	3.7125	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B32	828	4.2	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B32	828	4.6875	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B32	828	5.175	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B32	828	5.6625	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B32	828	6.15	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B32	828	6.6375	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B32	828	7.125	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B32	828	7.6125	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B32	828	8.1	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B36	844	0.25	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B36	844	0.70909	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B36	844	1.16818	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B36	844	1.62727	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B36	844	2.08636	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B36	844	2.54545	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B36	844	3.00455	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B36	844	3.46364	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B36	844	3.92273	B.2.4-7b	0	B.2.4-7b	0	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 3 of 4

Story	Label	UniqueName	Station	TLngCombo	TLngRebar	TTrnCombo	TTrnRebar	WarnMsg
Unitless	Unitless	Unitless	m	Unitless	m²	Unitless	m²/m	Unitless
Piso 1	B36	844	4.38182	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B36	844	4.84091	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B36	844	5.3	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B37	848	0.3	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B37	848	0.7875	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B37	848	1.275	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B37	848	1.7625	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B37	848	2.25	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B37	848	2.7375	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B37	848	3.225	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B37	848	3.7125	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B37	848	4.2	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B37	848	4.6875	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B37	848	5.175	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B37	848	5.6625	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B37	848	6.15	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B37	848	6.6375	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B37	848	7.125	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B37	848	7.6125	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B37	848	8.1	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B41	864	0.3	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B41	864	0.79091	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B41	864	1.28182	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B41	864	1.77273	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B41	864	2.26364	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B41	864	2.75455	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B41	864	3.24545	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B41	864	3.73636	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B41	864	4.22727	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B41	864	4.71818	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B41	864	5.20909	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B41	864	5.7	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B42	868	0.3	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B42	868	0.79091	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B42	868	1.28182	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B42	868	1.77273	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B42	868	2.26364	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B42	868	2.75455	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B42	868	3.24545	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B42	868	3.73636	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B42	868	4.22727	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B42	868	4.71818	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B42	868	5.20909	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B42	868	5.7	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B51	904	0.3	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B51	904	0.79091	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B51	904	1.28182	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B51	904	1.77273	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B51	904	2.26364	B.2.4-7b	0	B.2.4-7b	0	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 3 of 4

Story	Label	UniqueName	Station	TLngCombo	TLngRebar	TTrnCombo	TTrnRebar	WarnMsg
Unitless	Unitless	Unitless	m	Unitless	m²	Unitless	m²/m	Unitless
Piso 1	B51	904	2.75455	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B51	904	3.24545	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B51	904	3.73636	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B51	904	4.22727	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B51	904	4.71818	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B51	904	5.20909	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B51	904	5.7	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B52	908	0.3	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B52	908	0.79091	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B52	908	1.28182	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B52	908	1.77273	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B52	908	2.26364	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B52	908	2.75455	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B52	908	3.24545	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B52	908	3.73636	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B52	908	4.22727	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B52	908	4.71818	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B52	908	5.20909	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B52	908	5.7	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B82	1034	0.25	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B82	1034	0.75	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B82	1034	1.25	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B82	1034	1.75	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B82	1034	2.25	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B82	1034	2.75	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B82	1034	3.25	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B82	1034	3.75	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B82	1034	4.25	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B82	1034	4.75	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B82	1034	5.25	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B82	1034	5.75	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B83	1035	0.25	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B83	1035	0.75	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B83	1035	1.25	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B83	1035	1.75	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B83	1035	2.25	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B83	1035	2.75	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B83	1035	3.25	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B83	1035	3.75	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B83	1035	4.25	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B83	1035	4.75	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B83	1035	5.25	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B83	1035	5.75	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B158	968	0.2	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B158	968	0.66667	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B158	968	1.13333	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B158	968	1.6	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B158	968	2.06667	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B158	968	2.53333	B.2.4-7b	0	B.2.4-7b	0	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 3 of 4

Story	Label	UniqueName	Station	TLngCombo	TLngRebar	TTrnCombo	TTrnRebar	WarnMsg
Unitless	Unitless	Unitless	m	Unitless	m²	Unitless	m²/m	Unitless
Piso 1	B158	968	3	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B158	968	3.46667	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B158	968	3.93333	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B158	968	4.4	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B158	968	4.86667	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B158	968	5.33333	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B158	968	5.8	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B159	972	0.2	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B159	972	0.66667	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B159	972	1.13333	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B159	972	1.6	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B159	972	2.06667	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B159	972	2.53333	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B159	972	3	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B159	972	3.46667	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B159	972	3.93333	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B159	972	4.4	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B159	972	4.86667	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B159	972	5.33333	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B159	972	5.8	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B179	139	0	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B179	139	0.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B179	139	1	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B179	139	1.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B179	139	2	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B179	139	2.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B179	139	3	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B179	139	3.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B179	139	4	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B179	139	4.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B179	139	5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B179	139	5.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B179	139	6	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B190	142	0	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B190	142	0.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B190	142	1	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B190	142	1.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B190	142	2	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B190	142	2.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B190	142	3	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B190	142	3.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B190	142	4	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B190	142	4.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B190	142	5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B190	142	5.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B190	142	6	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B198	138	0	B.2.4-7b	0.001051	B.2.4-5b	0.00017	No Message
Piso 1	B198	138	0.49447	B.2.4-7b	0.001051	B.2.4-5b	0.00017	No Message
Piso 1	B198	138	0.98894	B.2.4-7b	0.001051	B.2.4-5b	0.00017	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 3 of 4

Story	Label	UniqueName	Station	TLngCombo	TLngRebar	TTrnCombo	TTrnRebar	WarnMsg
Unitless	Unitless	Unitless	m	Unitless	m²	Unitless	m²/m	Unitless
Piso 1	B198	138	1.48341	B.2.4-7b	0.001051	B.2.4-5b	0.00017	No Message
Piso 1	B198	138	1.97788	B.2.4-7b	0.001051	B.2.4-5b	0.00017	No Message
Piso 1	B198	138	2.47235	B.2.4-7b	0.001051	B.2.4-5b	0.00017	No Message
Piso 1	B301	141	0	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B301	141	0.42765	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B301	141	0.42765	B.2.4-5b	0.001051	B.2.4-5b	0.00011	No Message
Piso 1	B301	141	0.89432	B.2.4-5b	0.001051	B.2.4-5b	0.00011	No Message
Piso 1	B301	141	1.36098	B.2.4-5b	0.001051	B.2.4-5b	0.00011	No Message
Piso 1	B301	141	1.82765	B.2.4-5b	0.001051	B.2.4-5b	0.00011	No Message
Piso 1	B301	141	1.82765	B.2.4-7b	0.001051	B.2.4-5b	0.00012	No Message
Piso 1	B301	141	2.25265	B.2.4-7b	0.001051	B.2.4-5b	0.00012	No Message
Piso 1	B301	141	2.67765	B.2.4-7b	0.001051	B.2.4-5b	0.00012	No Message
Piso 1	B301	141	3.10265	B.2.4-7b	0.001051	B.2.4-5b	0.00012	No Message
Piso 1	B301	141	3.52765	B.2.4-7b	0.001051	B.2.4-5b	0.00012	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 4 of 4

Table: Concrete Beam Design Summary - ACI 318-08, Part 4 of 4

Story	Label	UniqueName	Station	ErrMsg
Unitless	Unitless	Unitless	m	Unitless
Piso 1	B1	688	0.25	No Message
Piso 1	B1	688	0.70909	No Message
Piso 1	B1	688	1.16818	No Message
Piso 1	B1	688	1.62727	No Message
Piso 1	B1	688	2.08636	No Message
Piso 1	B1	688	2.54545	No Message
Piso 1	B1	688	3.00455	No Message
Piso 1	B1	688	3.46364	No Message
Piso 1	B1	688	3.92273	No Message
Piso 1	B1	688	4.38182	No Message
Piso 1	B1	688	4.84091	No Message
Piso 1	B1	688	5.3	No Message
Piso 1	B27	808	0.25	No Message
Piso 1	B27	808	0.70909	No Message
Piso 1	B27	808	1.16818	No Message
Piso 1	B27	808	1.62727	No Message
Piso 1	B27	808	2.08636	No Message
Piso 1	B27	808	2.54545	No Message
Piso 1	B27	808	3.00455	No Message
Piso 1	B27	808	3.46364	No Message
Piso 1	B27	808	3.92273	No Message
Piso 1	B27	808	4.38182	No Message
Piso 1	B27	808	4.84091	No Message
Piso 1	B27	808	5.3	No Message
Piso 1	B28	812	0.3	No Message
Piso 1	B28	812	0.7875	No Message
Piso 1	B28	812	1.275	No Message
Piso 1	B28	812	1.7625	No Message
Piso 1	B28	812	2.25	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 4 of 4

Story	Label	UniqueName	Station	ErrMsg
Unitless	Unitless	Unitless	m	Unitless
Piso 1	B28	812	2.7375	No Message
Piso 1	B28	812	3.225	No Message
Piso 1	B28	812	3.7125	No Message
Piso 1	B28	812	4.2	No Message
Piso 1	B28	812	4.6875	No Message
Piso 1	B28	812	5.175	No Message
Piso 1	B28	812	5.6625	No Message
Piso 1	B28	812	6.15	No Message
Piso 1	B28	812	6.6375	No Message
Piso 1	B28	812	7.125	No Message
Piso 1	B28	812	7.6125	No Message
Piso 1	B28	812	8.1	No Message
Piso 1	B31	824	0.25	No Message
Piso 1	B31	824	0.70909	No Message
Piso 1	B31	824	1.16818	No Message
Piso 1	B31	824	1.62727	No Message
Piso 1	B31	824	2.08636	No Message
Piso 1	B31	824	2.54545	No Message
Piso 1	B31	824	3.00455	No Message
Piso 1	B31	824	3.46364	No Message
Piso 1	B31	824	3.92273	No Message
Piso 1	B31	824	4.38182	No Message
Piso 1	B31	824	4.84091	No Message
Piso 1	B31	824	5.3	No Message
Piso 1	B32	828	0.3	No Message
Piso 1	B32	828	0.7875	No Message
Piso 1	B32	828	1.275	No Message
Piso 1	B32	828	1.7625	No Message
Piso 1	B32	828	2.25	No Message
Piso 1	B32	828	2.7375	No Message
Piso 1	B32	828	3.225	No Message
Piso 1	B32	828	3.7125	No Message
Piso 1	B32	828	4.2	No Message
Piso 1	B32	828	4.6875	No Message
Piso 1	B32	828	5.175	No Message
Piso 1	B32	828	5.6625	No Message
Piso 1	B32	828	6.15	No Message
Piso 1	B32	828	6.6375	No Message
Piso 1	B32	828	7.125	No Message
Piso 1	B32	828	7.6125	No Message
Piso 1	B32	828	8.1	No Message
Piso 1	B36	844	0.25	No Message
Piso 1	B36	844	0.70909	No Message
Piso 1	B36	844	1.16818	No Message
Piso 1	B36	844	1.62727	No Message
Piso 1	B36	844	2.08636	No Message
Piso 1	B36	844	2.54545	No Message
Piso 1	B36	844	3.00455	No Message
Piso 1	B36	844	3.46364	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 4 of 4

Story	Label	UniqueName	Station	ErrMsg
Unitless	Unitless	Unitless	m	Unitless
Piso 1	B36	844	3.92273	No Message
Piso 1	B36	844	4.38182	No Message
Piso 1	B36	844	4.84091	No Message
Piso 1	B36	844	5.3	No Message
Piso 1	B37	848	0.3	No Message
Piso 1	B37	848	0.7875	No Message
Piso 1	B37	848	1.275	No Message
Piso 1	B37	848	1.7625	No Message
Piso 1	B37	848	2.25	No Message
Piso 1	B37	848	2.7375	No Message
Piso 1	B37	848	3.225	No Message
Piso 1	B37	848	3.7125	No Message
Piso 1	B37	848	4.2	No Message
Piso 1	B37	848	4.6875	No Message
Piso 1	B37	848	5.175	No Message
Piso 1	B37	848	5.6625	No Message
Piso 1	B37	848	6.15	No Message
Piso 1	B37	848	6.6375	No Message
Piso 1	B37	848	7.125	No Message
Piso 1	B37	848	7.6125	No Message
Piso 1	B37	848	8.1	No Message
Piso 1	B41	864	0.3	No Message
Piso 1	B41	864	0.79091	No Message
Piso 1	B41	864	1.28182	No Message
Piso 1	B41	864	1.77273	No Message
Piso 1	B41	864	2.26364	No Message
Piso 1	B41	864	2.75455	No Message
Piso 1	B41	864	3.24545	No Message
Piso 1	B41	864	3.73636	No Message
Piso 1	B41	864	4.22727	No Message
Piso 1	B41	864	4.71818	No Message
Piso 1	B41	864	5.20909	No Message
Piso 1	B41	864	5.7	No Message
Piso 1	B42	868	0.3	No Message
Piso 1	B42	868	0.79091	No Message
Piso 1	B42	868	1.28182	No Message
Piso 1	B42	868	1.77273	No Message
Piso 1	B42	868	2.26364	No Message
Piso 1	B42	868	2.75455	No Message
Piso 1	B42	868	3.24545	No Message
Piso 1	B42	868	3.73636	No Message
Piso 1	B42	868	4.22727	No Message
Piso 1	B42	868	4.71818	No Message
Piso 1	B42	868	5.20909	No Message
Piso 1	B42	868	5.7	No Message
Piso 1	B51	904	0.3	No Message
Piso 1	B51	904	0.79091	No Message
Piso 1	B51	904	1.28182	No Message
Piso 1	B51	904	1.77273	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 4 of 4

Story	Label	UniqueName	Station	ErrMsg
Unitless	Unitless	Unitless	m	Unitless
Piso 1	B51	904	2.26364	No Message
Piso 1	B51	904	2.75455	No Message
Piso 1	B51	904	3.24545	No Message
Piso 1	B51	904	3.73636	No Message
Piso 1	B51	904	4.22727	No Message
Piso 1	B51	904	4.71818	No Message
Piso 1	B51	904	5.20909	No Message
Piso 1	B51	904	5.7	No Message
Piso 1	B52	908	0.3	No Message
Piso 1	B52	908	0.79091	No Message
Piso 1	B52	908	1.28182	No Message
Piso 1	B52	908	1.77273	No Message
Piso 1	B52	908	2.26364	No Message
Piso 1	B52	908	2.75455	No Message
Piso 1	B52	908	3.24545	No Message
Piso 1	B52	908	3.73636	No Message
Piso 1	B52	908	4.22727	No Message
Piso 1	B52	908	4.71818	No Message
Piso 1	B52	908	5.20909	No Message
Piso 1	B52	908	5.7	No Message
Piso 1	B82	1034	0.25	No Message
Piso 1	B82	1034	0.75	No Message
Piso 1	B82	1034	1.25	No Message
Piso 1	B82	1034	1.75	No Message
Piso 1	B82	1034	2.25	No Message
Piso 1	B82	1034	2.75	No Message
Piso 1	B82	1034	3.25	No Message
Piso 1	B82	1034	3.75	No Message
Piso 1	B82	1034	4.25	No Message
Piso 1	B82	1034	4.75	No Message
Piso 1	B82	1034	5.25	No Message
Piso 1	B82	1034	5.75	No Message
Piso 1	B83	1035	0.25	No Message
Piso 1	B83	1035	0.75	No Message
Piso 1	B83	1035	1.25	No Message
Piso 1	B83	1035	1.75	No Message
Piso 1	B83	1035	2.25	No Message
Piso 1	B83	1035	2.75	No Message
Piso 1	B83	1035	3.25	No Message
Piso 1	B83	1035	3.75	No Message
Piso 1	B83	1035	4.25	No Message
Piso 1	B83	1035	4.75	No Message
Piso 1	B83	1035	5.25	No Message
Piso 1	B83	1035	5.75	No Message
Piso 1	B158	968	0.2	No Message
Piso 1	B158	968	0.66667	No Message
Piso 1	B158	968	1.13333	No Message
Piso 1	B158	968	1.6	No Message
Piso 1	B158	968	2.06667	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 4 of 4

Story	Label	UniqueName	Station	ErrMsg
Unitless	Unitless	Unitless	m	Unitless
Piso 1	B158	968	2.53333	No Message
Piso 1	B158	968	3	No Message
Piso 1	B158	968	3.46667	No Message
Piso 1	B158	968	3.93333	No Message
Piso 1	B158	968	4.4	No Message
Piso 1	B158	968	4.86667	No Message
Piso 1	B158	968	5.33333	No Message
Piso 1	B158	968	5.8	No Message
Piso 1	B159	972	0.2	No Message
Piso 1	B159	972	0.66667	No Message
Piso 1	B159	972	1.13333	No Message
Piso 1	B159	972	1.6	No Message
Piso 1	B159	972	2.06667	No Message
Piso 1	B159	972	2.53333	No Message
Piso 1	B159	972	3	No Message
Piso 1	B159	972	3.46667	No Message
Piso 1	B159	972	3.93333	No Message
Piso 1	B159	972	4.4	No Message
Piso 1	B159	972	4.86667	No Message
Piso 1	B159	972	5.33333	No Message
Piso 1	B159	972	5.8	No Message
Piso 1	B179	139	0	No Message
Piso 1	B179	139	0.5	No Message
Piso 1	B179	139	1	No Message
Piso 1	B179	139	1.5	No Message
Piso 1	B179	139	2	No Message
Piso 1	B179	139	2.5	No Message
Piso 1	B179	139	3	No Message
Piso 1	B179	139	3.5	No Message
Piso 1	B179	139	4	No Message
Piso 1	B179	139	4.5	No Message
Piso 1	B179	139	5	No Message
Piso 1	B179	139	5.5	No Message
Piso 1	B179	139	6	No Message
Piso 1	B190	142	0	No Message
Piso 1	B190	142	0.5	No Message
Piso 1	B190	142	1	No Message
Piso 1	B190	142	1.5	No Message
Piso 1	B190	142	2	No Message
Piso 1	B190	142	2.5	No Message
Piso 1	B190	142	3	No Message
Piso 1	B190	142	3.5	No Message
Piso 1	B190	142	4	No Message
Piso 1	B190	142	4.5	No Message
Piso 1	B190	142	5	No Message
Piso 1	B190	142	5.5	No Message
Piso 1	B190	142	6	No Message
Piso 1	B198	138	0	No Message
Piso 1	B198	138	0.49447	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 4 of 4

Story	Label	UniqueName	Station	ErrMsg
Unitless	Unitless	Unitless	m	Unitless
Piso 1	B198	138	0.98894	No Message
Piso 1	B198	138	1.48341	No Message
Piso 1	B198	138	1.97788	No Message
Piso 1	B198	138	2.47235	No Message
Piso 1	B301	141	0	No Message
Piso 1	B301	141	0.42765	No Message
Piso 1	B301	141	0.42765	No Message
Piso 1	B301	141	0.89432	No Message
Piso 1	B301	141	1.36098	No Message
Piso 1	B301	141	1.82765	No Message
Piso 1	B301	141	1.82765	No Message
Piso 1	B301	141	2.25265	No Message
Piso 1	B301	141	2.67765	No Message
Piso 1	B301	141	3.10265	No Message
Piso 1	B301	141	3.52765	No Message

ANEXO E – ESCALERA Y RAMPA

ANEXO E – DISEÑO DE ESCALERA

- Avalúo de cargas

*** Peldaños**

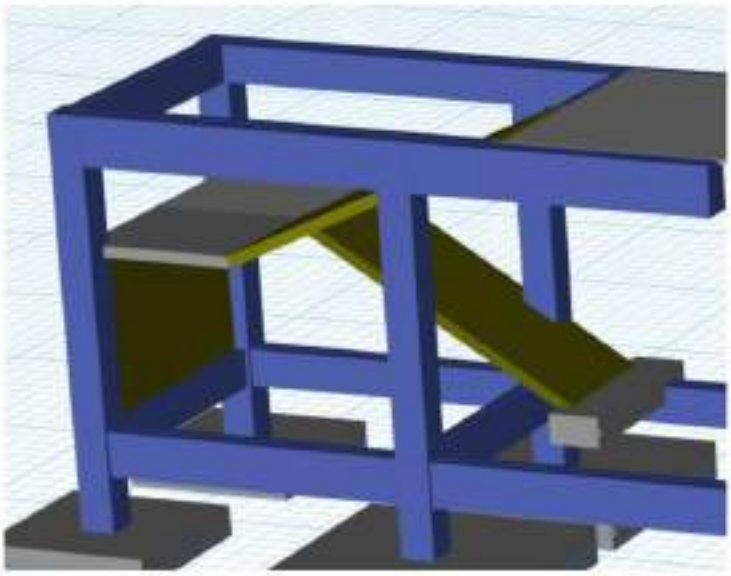
Peso ppio: 432 Kg/m
Acabados: 150 Kg/m
Peldaños : 177 Kg/m

W_{DL} =	759 Kg/m	W_{CS} =	1259 Kg/m
W_{LL} =	500 Kg/m	W_U =	1711 Kg/m

*** Descanso**

Peso ppio: 432 Kg/m
Acabados: 150 Kg/m

W_{DL} =	582 Kg/m	W_{CS} =	882 Kg/m
W_{LL} =	300 Kg/m	W_U =	1178 Kg/m



- Especificaciones

fy (Kg/cm²)	4200
f'c (Kg/cm²)	280
F.C.	1.36

- Geometría

L (m)	2.85
H (cm)	18
B (cm)	100
d' (cm)	3
d (cm)	15

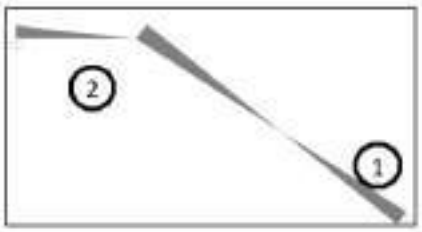


Diagrama de Cortantes



Diagrama de Momentos

	Apoyo 1			Apoyo 2	
Luz libre (m)			2.85		
Mn (Kg-m)		0	1711.11	1424	
Mu (Kg-m)		0	1540.	1282	
Xo (m)		0	1.43	2.850	
ρ calculado		0.00000	0.00184	0.00153	
ρ asumido		0.00180	0.00330	0.00180	
As (-) cm²		3.24		3.24	
Ref. superior		#4@20		#4@20	
As (+) cm²			4.95		
Ref inferior			#4@20		
Vu (Kg)		1253.97		1459.23	
Vud (Kg)		989.98		1126.42	
Vud (Kg/cm²)		0.660		0.751	
Φ Vc (Kg/cm²)		6.65	Espesor Ok!	6.65	

- Acero de retracción y fraguado

As ret : 0 cm²/m

Use: #3@25cm

ANEXO E – DISEÑO DE RAMPA

Diseño de losa de rampa

- Especificaciones

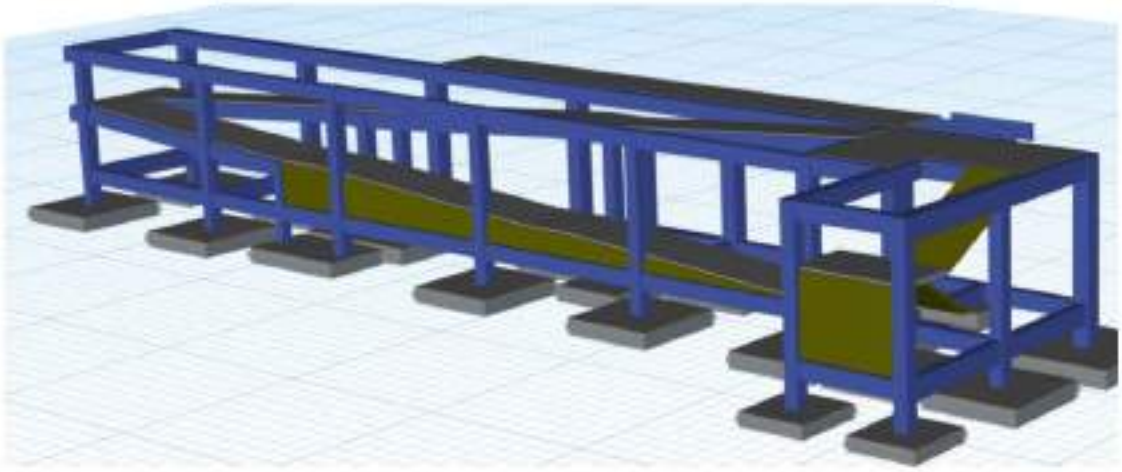
- Resistencia del concreto	f'c =	280	Kg/cm²
- Fluencia del acero de refue	fy =	4200	Kg/cm²

- Refuerzo Longitudinal

	Mu [Ton-m]	b [cm]	h [cm]	d' [cm]	d [cm]	As-Req [cm2]	ρ-min	As-min [cm2]
Dirección 1	1.32	100	15	3	12	3.0	0.0018	2.7
Dirección 2	0.74	100	15	3	12	1.7	0.0018	2.7

- Chequeo de cortante

	Vu-máx [Ton]		ΦVc [Ton]	¿Chequea?
Dirección 1	1.31	<	7.98	Si
Dirección 2	0.4	<	7.98	Si



ANEXO E – BARANDAS Y PASAMANOS

E.1 EMPUJES EN PASAMANOS Y ANTEPECHOS

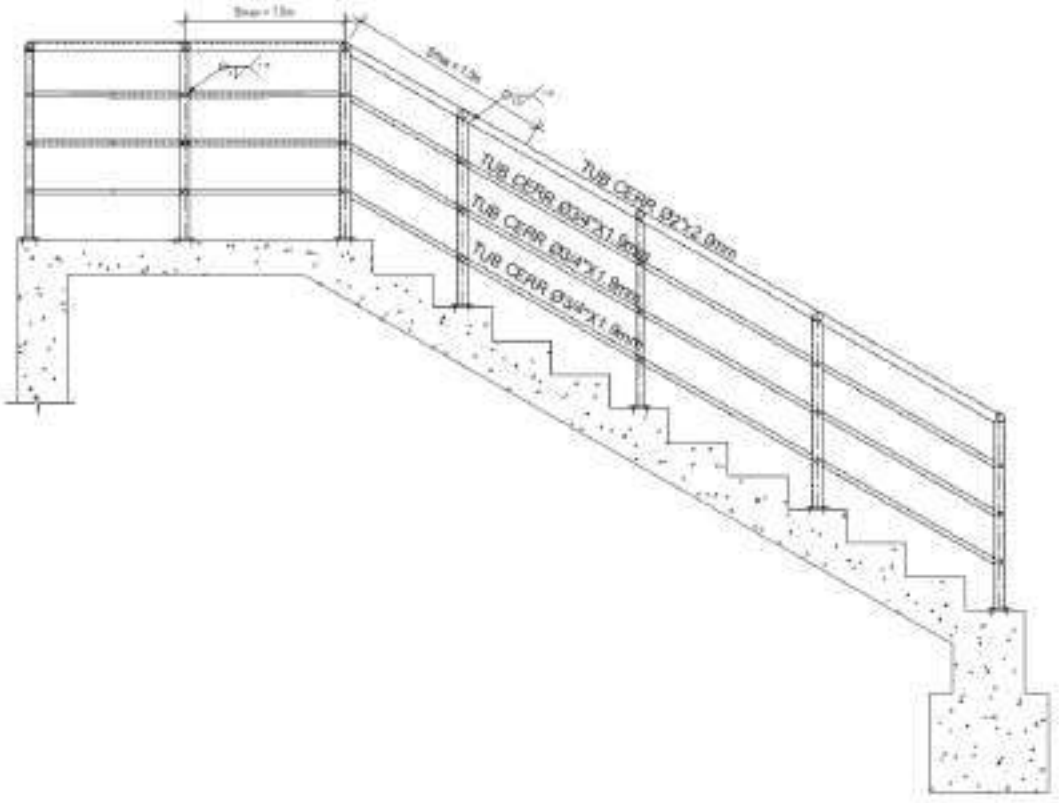
B.4.2.2 – Las barandas, pasamanos de escaleras y balcones, y barras auxiliares tanto exteriores como interiores, y los antepechos deben diseñarse para que resistan una fuerza horizontal de 100 kg/m aplicada en la parte superior de la baranda, pasamanos o antepecho y deben ser capaces de transferir esta carga a través de los soportes a la estructura.

- Cargas lineales

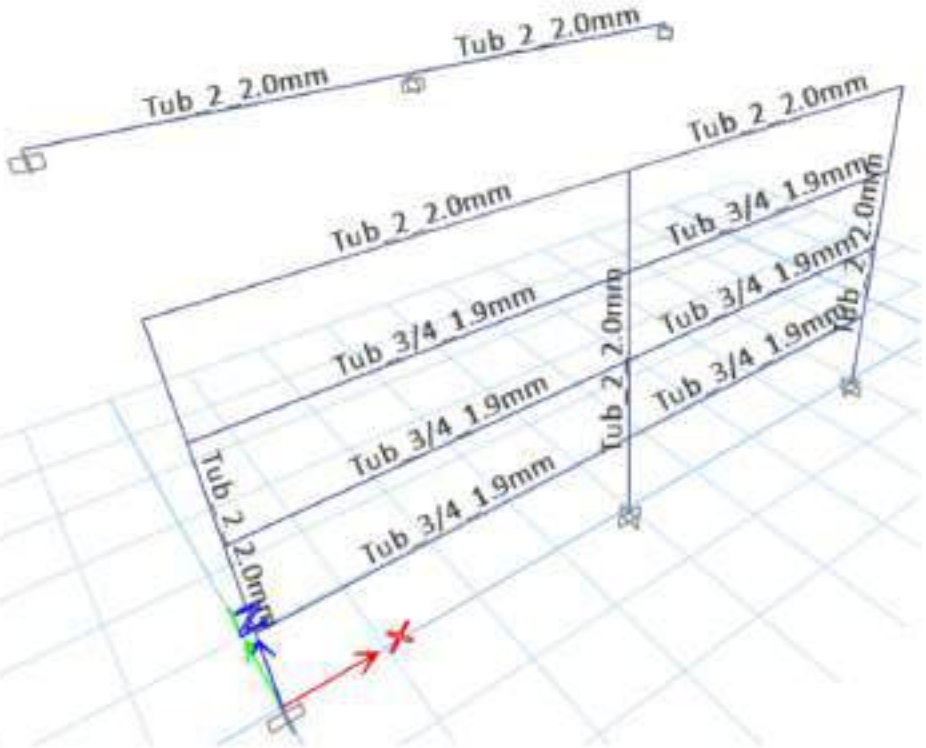
Barandas

$$W_{LD} = \frac{100\ Kg/m}{100\ Kg/m}$$

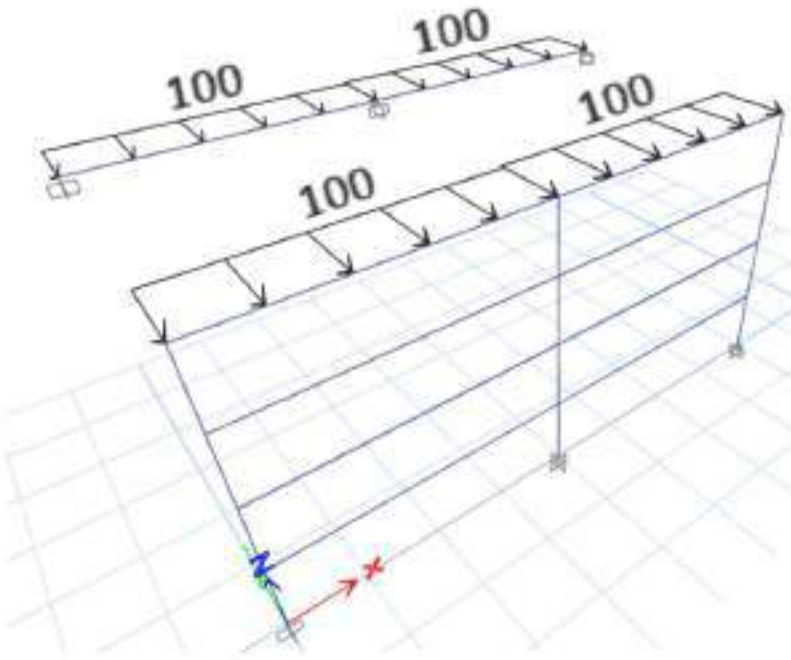
E.2 BARANDA TIPO



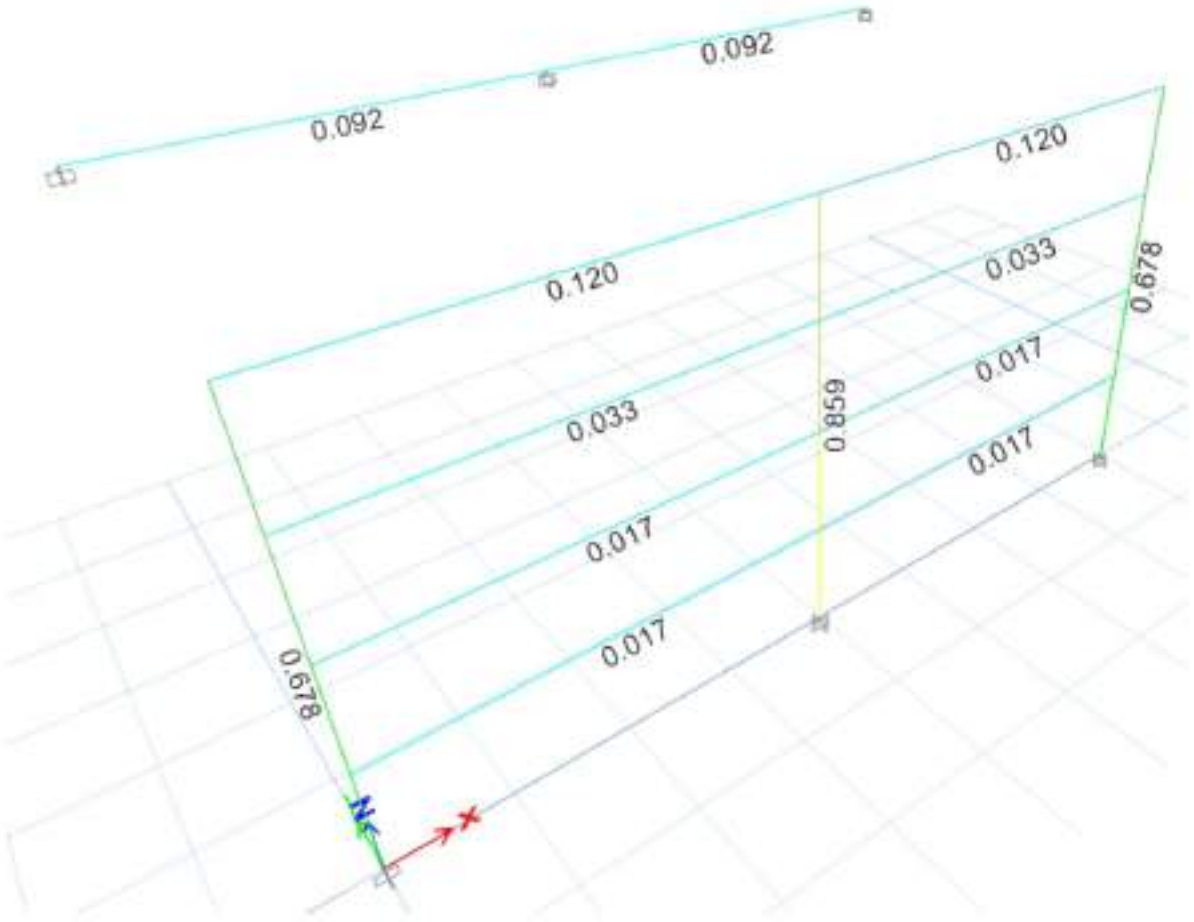
E.3 MODELO 3D



E.4 CARGAS SOBRE BARANDAS Y PASAMANOS



E.5 INDICES DE SOBRESFUERZO



Demand/Capacity (D/C) Ratio Eqn.(H1-1b)

D/C Ratio =	$(P_r/2P_c) + Sqrt[(M_{r33}/M_{c33})^2 + (M_{r22}/M_{c22})^2]$
0.859 =	0.001 + Sqrt[(0)² + (0.858)²]

Axial Force and Capacities

P_u Force (kgf)	ϕP_{nc} Capacity (kgf)	ϕP_{nt} Capacity (kgf)
10.95	5155.5	7844.91

Moments and Capacities

	M_u Moment (kgf-m)	ϕM_n (kgf-m)	ϕM_n No LTB (kgf-m)	ϕM_n Cb=1 (kgf-m)
Major Bending	0	144.64	144.64	144.64
Minor Bending	124.15	144.64		

E.6 CONEXIÓN

Para el diseño del anclaje, debido a que se instalará sobre una losa fundida, se proponen anclajes con epóxico Sika® AnchorFix-3001. Se deben tener las fuerzas de servicio actuantes y la calidad de los materiales involucrados con el fin de hallar las correctas especificaciones.

Momento máximo de servicio	M: 0.1 Ton/m x 1m x 1m = 0.1 Ton-m
Cortante máxima de servicio	V: 0.1 Ton
Distancia entre pernos	d: 0.08 m
Tensión en pernos (M/d)	Ts: 1.25 Ton
Numero de pernos resistentes	#: 4 pernos
Tensión / perno	T: 0.325 Ton/perno ≈ 750 lb/perno

Anchor Diameter	Embedment Depth	Allowable Concrete Capacity (Bond)					
		Tension (lb)			Shear (lb)		
		f'_c=2,500psi	f'_c=4,000psi	f'_c=6,000psi	f'_c=2,500psi	f'_c=4,000psi	f'_c=6,000psi
3/8" or #3	2-3/8"	1,939	2,032	2,176	2,585	2,710	2,904
	4-15/16"	4,031	4,225	4,528	5,375	5,633	6,038
	7-1/2"	6,123	6,418	6,878	8,164	8,557	9,171

1. The above values represent mean ultimate values and allowable w orking loads. The allowable working loads have been reduced us ing a safety factor of 4.0 for tension and 3.0 for shear , however, in some cases, such as life safety, safety factors of 10.0 or higher may be necessary
2. Allowable loads must be checked against steel capacity. The lowest value controls.
3. Tabulated data is applicable to single anchors in normal weight concrete unaffected by edge or spacing reduction factors. V alues are valid for anchors installed into dry concrete in holes drilled with a hammer drill and ANSI carbide drill bit.
4. Linear interpolation is allowed.

Se escogen pernos de 3/8 de pulgada con una longitud embebida de 8cm que cuentan con una tensión admisible resistente de aproximadamente 2032 lb que resulta mayor a la tensión actuante de 750 lb. Además, la resistencia a cortante de un solo perno Vr = 2710 lb supera la fuerza cortante admisible actuante V = 220 lb.

ANEXO F – MUROS NO ESTRUCTURALES

ANEXO F - DISEÑO MUROS NO ESTRUCTURALES

ALTERNATIVA MUROS EN MAMPOSTERÍA H= 2.4m MÁXIMA

Muros apoyados arriba y abajo

F.1. - Valor de Sa [%g]

- Periodo fundamental de la estructura.

donde,

Ct =	0.047
α =	0.900
h_n (m) =	8.900

⟹

Ta (seg) =	0.336

- Del espectro elástico se obtiene

Sa(g) =	1.359

F.2. - Aceleración horizontal ax

$$a_x = As + \frac{(Sa - As)h_x}{h_{eq}} \quad ; h_x < h_{eq}$$

$$a_x = Sa\frac{h_x}{h_{eq}} \quad ; h_x \geq h_{eq}$$

	h_x (m)	a_x [%g]
Piso 1	0.00	1.359
Piso 2	4.10	1.359

A_s: Aceleración máxima en la superficie del suelo estimada como la aceleración espectral correspondiente a un periodo de vibración igual a cero.

As(g) =	1.359

h_n: Altura total del edificio.

h_{eq}: Altura equivalente del sistema de 1 GDL que simula la edificación. $h_{eq} = 0.75h_n$

h_{eq}(m) =	6.7

h_x: Altura medida desde la base del edificio hasta la base ó apoyo del elemento no estructural.

F.3. - Coeficiente de amplificación dinámica ap

- Elemento no estructural: *Muros divisorios y particiones*
- Tipo: *Muros divisorios de altura total* ⟹ $a_p = 1.0$ Tabla (A.9.5-1)

F.4. - Coeficiente de capacidad de disipación de energia Rp

- Tipo de anclaje: *Anclajes Dúctiles* ⟹ $R_p = 3.0$ (A.9.4.9)

F.5. - Fuerza sísmica de diseño

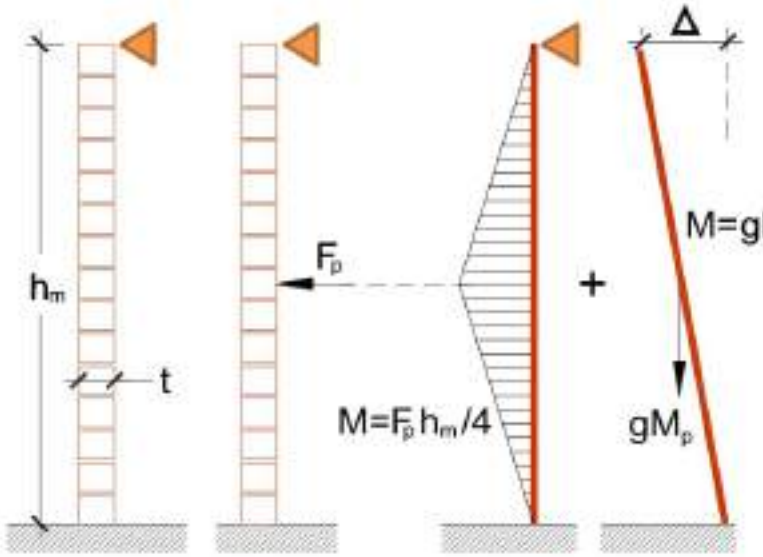
$$F_p = 0.7\frac{a_x a_p}{R_p} gM_p \qquad \text{(A.9.4-1)}$$

M_p: Masa del elemento no estructural.

Factor de 0.7 debido al diseño por ASD.

Fp (Kg):	168.95

F.6. - Muro no estructural



Muro en mampostería reforzada

- Bloque estructural arcilla - 12x19x29

- Caracteristicas muro

t (cm):	12
h_m (cm):	240

- Se analiza el muro tomando como profundidad establecida de 1.0m

Mp (Kg):	532.80
Fp (Kg):	168.95
$M_{máx}$ (Kg-m):	107.76

F.6.1. - Especificaciones mampostería

- Mortero de Pega	f'cp =	175	kg/cm²	D.3.4.
- Mortero de Relleno	f'cr =	125	kg/cm²	D.3.5.

F.6.2. - Unidad de mampostería

- Resistencia Unidad de mampostería	f'cu =	225	kg/cm²

- La resistencia promedio de los ladrillos es de 241 kg/cm^2

F.6.3. - Valor de f'm

$$Rm = \left(\frac{2h}{75+3h}\right) f'_{cu} + \left(\frac{50k_p}{75+3h}\right) f'_{cp} \leq 0.8 f'_{cu} \qquad \text{D.3.7-1.}$$

h : Altura de la unidad de mampostería, en mm.
K_p : Factor de corrección por absorción de la unidad.

K_p : 1.4, unidades de concreto
K_p : 0.8, unidades de arcilla

h :	190

K_p :	0.80

R_m : 143.4 kg/cm^2 < 0.8f'cu = 180 Kg/m^2

$$f'_m = 0.75[rR_m + 0.9k_r(1-r)f'_{cr}] \leq 0.94R_m \qquad \text{D.3.7-3.}$$

r : Relación entre el área neta y el área bruta de las unidades de mampostería.
K_r : Factor de corrección por absorción de la unidad en la mampostería inyectada.

K_r : 0.90, Para unidades de concreto
K_r : 0.75, Para unidades de arcilla o sílico - calcáreas

r :	0.55

K_r :	0.75

f'm : 88 kg/cm^2 < 0.94Rm = 135 Kg/m^2

F.6.4. - Modulo de elásticidad de la mampostería

E_m : 750 f'm ⟹ E_m : 65725 kg/cm^2

F.7. - Diseño muro no estructural

- **Esfuerzos admisibles**

Fa-adm :	13.55	kg/cm^2
Fs-adm :	1680.0	kg/cm^2
Fb-adm :	29.21	kg/cm^2
Fv-adm :	0.74	kg/cm^2

Usar 1 barra #4 @ 90cm ⟹

As-req :	1.089	cm^2
As-sum :	1.290	cm^2 ✓

ρ :	0.00239	k :	0.453	j :	0.85	OK

f_a :	0.8	kg/cm^2	< fa - adm	
f_s :	1476.2	kg/cm^2	< fs - adm	
f_m :	15.56	kg/cm^2	< fb - adm	✓
fv :	0.60	kg/cm^2	< Fv - adm	✓
Ec. Unitaria	0.59	< 1.33	ok	

- Refuerzo longitudinal — Usar 1 barra # 4@90cm
- Refuerzo transversal — Usar escalerilla 2Φ4.0mm @44cm

La altura máxima de diseño para el muro es de H = 2.80 m. Si se requiere continuar los muros por encima de esta altura, deberá hacerse mediante una estructura liviana tipo muro en drywall. Adicionalmente, los muros deben estar amarrados en su parte superior mediante una viga de concreto."

ALTERNATIVA MUROS EN DRYWALL

- Valor de Sa [%g]

- Periodo fundamental de la estructura, aproximado

$$T_a = C_t h_n^{\alpha} \qquad \text{(A.4.2-3)}$$

donde,

Ct =	0.047
α =	0.900
hn (m) =	8.900

⟹

Ta (seg) =	0.336

- Del espectro elástico se obtiene

Sa(g) =	1.359

Aceleración horizontal ax

$a_x = As + \frac{(Sa - As)h_x}{h_{eq}}$; hx < heq

$a_x = Sa\frac{h_x}{h_{eq}}$; hx ≥ heq

Losa entrepiso ;As

As: Aceleración máxima en la superficie del suelo estimada como la aceleración espectral correspondiente a un periodo de vibración igual a cero.

As(g) =	1.359
Ax(g) =	1.359
Aa(g) =	0.25

	hx [m]	ax [%g]
Piso 1	0.00	1.359
Piso 2	4.10	1.359

hn: Altura total del edificio.

heq: Altura equivalente del sistema de 1 GDL que simula la edificación. heq = 0.75hn

heq(m) =	6.7

hx: Altura medida desde la base del edificio hasta la base ó apoyo del elemento no estructural.

fuerza sísmica reducida para elementos estructurales en la base de la estructura y por debajo de ella igual a Aa I

- Coeficiente de amplificación dinámica ap

- Elemento no estructural: *Fachadas y muros interiores*
- Tipo: *- Tipo: lámina en yeso, con costillas de acero*

⟹ **ap = 1** Tabla (A.9.5-1)

- Coeficiente de capacidad de disipación de energía Rp

- Tipo de anclaje: *Anclajes No Dúctiles*

⟹ **Rp = 3.0** (A.9.4.9)

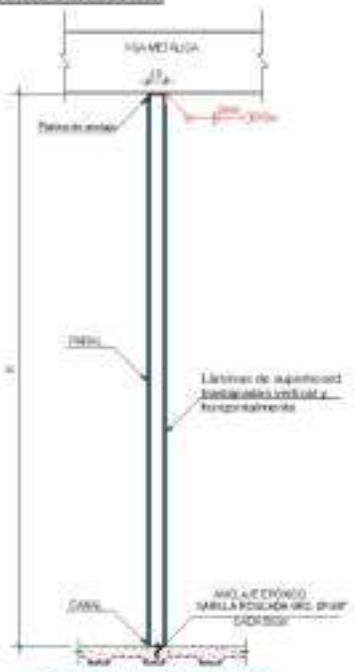
- Fuerza sísmica de diseño

$$F_p = \frac{a_x a_p}{R_p} g M_p \qquad \text{(A.9.4-1)}$$

Mp: Masa del elemento no estructural.

Fp (Kg):	22.29

- Muro no estructural

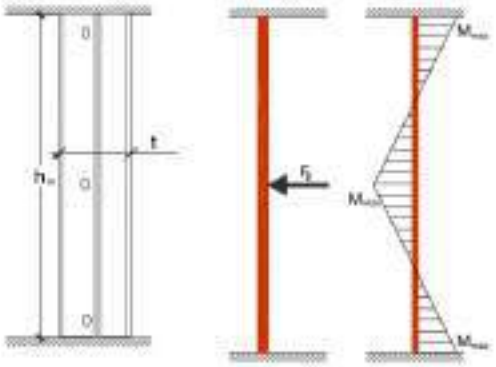


DETALLE MURO LIVIANO

Placa de Superboard+Placa Panel yeso
(arriostrando las aletas de los perfiles)

- Caracteristicas muro

	t (cm):	hm (cm):
Piso tipo	12	410



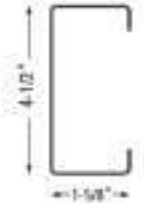
- Se analiza el muro tomando como profundidad establecida de 1.0m

	piso 1 y 2	
Mp (Kg):	49	
Fp (Kg):	22.29	
Mmáx (Kg-m):	11.42	

carga horizontal equivalente (kg/m2): 5.44
Usar: (kg/m2): 50.00

Usando el Manual técnico de Superboard - Colombit escogemos el perfil adecuado

SERIE PMH — Perfiles tipo PARAL Uso principal Muros Interiores y Exteriores

Producto	Calibre	Referencia	Espacio entre parales	Carga horizontal (kg/m²)														
				25			50			100			150			200		
				Deflexión admisible														
				L/240	L/360	L/600	L/240	L/360	L/600	L/240	L/360	L/600	L/240	L/360	L/600	L/240	L/360	L/600
 PARAL DE 4 1/2" x 1 5/8"	24	P45016224	30,5	6,11	5,33	4,50	4,85	4,23	3,57	3,85	3,36	2,83	3,36	2,94	2,48	3,05	2,67	2,25
			40,5	5,56	4,85	4,09	4,41	3,85	3,25	3,50	3,06	2,58	3,06	2,67	2,25	2,78	2,43	2,05
			61,0	4,85	4,23	3,57	3,85	3,36	2,83	3,05	2,67	2,25	2,67	2,33	1,97	2,42	2,12	1,79
	22	P45016222	30,5	6,42	5,61	4,73	5,09	4,45	3,75	4,04	3,53	2,98	3,53	3,09	2,60	3,21	2,80	2,36
			40,5	5,84	5,10	4,30	4,64	4,05	3,42	3,68	3,21	2,71	3,21	2,81	2,37	2,92	2,55	2,15
			61,0	5,09	4,45	3,75	4,04	3,53	2,98	3,21	2,80	2,36	2,80	2,45	2,07	2,55	2,23	1,88
	20	P45016220	30,5	6,96	6,08	5,13	5,52	4,82	4,07	4,38	3,83	3,23	3,83	3,35	2,82	3,48	3,04	2,56
			40,5	6,33	5,53	4,66	5,02	4,39	3,70	3,99	3,48	2,94	3,48	3,04	2,57	3,17	2,77	2,33
			61,0	5,52	4,82	4,07	4,38	3,83	3,23	3,48	3,04	2,56	3,04	2,66	2,24	2,76	2,41	2,03
	18	P45016218	30,5	7,62	6,66	5,62	6,05	5,29	4,46	4,80	4,19	3,54	4,19	3,66	3,09	3,81	3,33	2,81
			40,5	6,93	6,06	5,11	5,50	4,81	4,06	4,37	3,82	3,22	3,82	3,33	2,81	3,47	3,03	2,55
			61,0	6,05	5,29	4,46	4,80	4,19	3,54	3,81	3,33	2,81	3,33	2,91	2,45	3,02	2,64	2,23
	16	P45016216	30,5	8,17	7,14	6,02	6,49	5,67	4,78	5,15	4,50	3,79	4,50	3,93	3,31	4,09	3,57	3,01
			40,5	7,44	6,50	5,48	5,90	5,16	4,35	4,68	4,09	3,45	4,09	3,57	3,01	3,72	3,25	2,74
			61,0	6,49	5,67	4,78	5,15	4,50	3,79	4,09	3,57	3,01	3,57	3,12	2,63	3,24	2,83	2,39

Para : 4.10 m interpolando en la tabla del proveedor tenemos:

Paral 4"x 1-5/8" Calibre 20 cada 60 cm

Canales de amarre de 4" Calibre 20

ANEXO G – DISEÑO PROTECCIÓN CONTRA EL FUEGO

ANEXO G – DISEÑO PROTECCIÓN CONTRA EL FUEGO

1 CLASIFICACIÓN DE LA ESTRUCTURA

La clasificación de la estructura se realiza de acuerdo con lo prescrito en el titulo K y la resistencia requerida al fuego de la estructura de acuerdo con el título J de la NSR-10.

1.1 CLASIFICACIÓN POR GRUPO DE OCUPACIÓN

Según el capítulo K.2.1 de la norma NSR-10, específicamente en la tabla K.2.1-1, la estructura se clasifica dentro del Grupo de ocupación Institucional (I) y Subgrupo de Ocupación Educación (I-2).

Tabla K.2.1-1
Grupos y subgrupos de ocupación

Grupos y Subgrupos de ocupación	Clasificación	Sección
A	**ALMACENAMIENTO**	K.2.2
A-1	Riesgo moderado	
A-2	Riesgo bajo	
C	**COMERCIAL**	K.2.3
C-1	Servicios	
C-2	Bienes	
E	**ESPECIALES**	K.2.4
F	**FABRIL E INDUSTRIAL**	K.2.5
F-1	Riesgo moderado	
F-2	Riesgo bajo	
I	**INSTITUCIONAL**	K.2.6
I-1	Reclusión	
I-2	Salud o incapacidad	
I-3	Educación	
I-4	Seguridad pública	
I-5	Servicio público	
L	**LUGARES DE REUNIÓN**	K.2.7
L-1	Deportivos	
L-2	Culturales y teatros	
L-3	Sociales y recreativos	
L-4	Religiosos	
L-5	De transporte	
M	**MIXTO Y OTROS**	K.2.8
P	**ALTA PELIGROSIDAD**	K.2.9
R	**RESIDENCIAL**	K.2.10
R-1	Unifamiliar y bifamiliar	
R-2	Multifamiliar	
R-3	Hoteles	
T	**TEMPORAL**	K.2.11

1.2 CLASIFICACIÓN DE LA EDIFICACIÓN EN UNA CATEGORÍA DE RIESGO

Toda edificación debe clasificarse en una de las categorías de riesgo definidas en J.3.3.1. Dependiendo del grupo de uso de la edificación bajo estudio, esta clasificación se hace en función del área construida, de acuerdo con la tabla J.3.3-1, o en función del potencial de combustión, de acuerdo con la tabla J.3.3-2.

Tabla J.3.3-1
Categorización de las edificaciones para efectos de resistencia contra el fuego de acuerdo con su uso, área construida, y número de pisos.

Grupos y subgrupos de ocupación	Área total construida, A_T m²	Número de pisos						
		1	2	3	4	5	6	≥ 7
(C-1)	$A_T > 1500$	III	III	II	II	II	I	I
	$A_T < 1500$	III	III	III	II	II	II	I
(C-2)	$A_T > 500$	II	I	I	I	I	I	I
	$A_T < 500$			II	I	I	I	I
(E)	Sin límite	III	III	III	II	II	II	I
(I-2), (I-4)	$A_T > 1000$	III	II	II	I	I	I	I
	$500 < A_T < 1000$	III	III	II	II	I	I	I
	$A_T < 500$	III	III	III	II	II	II	I
(I-3)	$A_T > 1000$	II	II	I	I	I	I	I
	$A_T < 1000$		III	II	II	I	I	I
(L-1), (L-2), (L-3), (L-4)	$A_T > 1000$	II	I	I	I	I	I	I
(L-5), (I-1), (I-5)	$500 < A_T < 1000$	II	II	I	I	I	I	I
	$A_T < 500$	III	III	II	II	I	I	I
(R-1), (R-2)	Unidades > 140 m²				II	I	I	I
	Unidades ≤ 140 m²				III	II	II	I
(R-3)	$A_T > 5000$	III	II	I	I	I	I	I
	$A_T < 5000$	III	II	II	II	I	I	I

Notas: (1). En edificios para vivienda, el límite de 140 m² por unidad corresponde al promedio aritmético de las áreas de todas las unidades, sin tener en cuenta las zonas comunes.

De acuerdo a lo anterior la edificación se clasifica dentro de la categoría II.

J.3.3.1.2 — ***Categoría II*** — Esta categoría comprende edificaciones de riesgo intermedio.

1.3 RESISTENCIA REQUERIDA CONTRA EL FUEGO

Según la Tabla J.3.4-3 del NSR-10, de acuerdo a la Categoría de Riesgo de la estructura, los elementos de una edificación deben resistir al fuego un tiempo mínimo determinado.

Tabla J.3.4-3
Resistencia requerida al fuego normalizado NTC 1480 (ISO 834), en horas, de elementos de una edificación de todos los grupos de ocupación excepto R-1 y R-2. (Véase Nota 1)

Elementos de la construcción	Categoría según la clasificación dada en J.3.3.1		
	I	II	III
Muros Cortafuego	3	2	1
Muros de cerramiento de escaleras, ascensores, buitrones, ductos para basuras y corredores de evacuación protegidos	2	2	1
Muros divisorios entre unidades	1	1	1
Muros interiores no portantes	½	¼	-
Elementos estructurales de los materiales cubiertos por los Títulos C a G del Reglamento NSR-10	2	1	1
Cubiertas	1	1	½
Escaleras interiores no encerradas con muros	2	1	1

Nota 1. En la sección J.3.3.3 se indican los grupos de ocupación que están exentos de cuantificación de resistencia contra el fuego y para los cuales no hay necesidad de aplicar la presente tabla.

Tabla K.2.6-2
Subgrupo de ocupación institucional de salud o incapacidad (I-2)

Hospitales	Ancianatos
Sanatorios	Guarderías
Clínicas	Dispensarios
Centros de salud	Laboratorios clínicos
Centros para discapacitados	Hospicios
Puestos de primeros auxilios	Otros similares
Orfanatos	

De acuerdo con el subgrupo I-2 y la categoría de riesgo II, los elementos deben protegerse a la exposición al fuego así:

2 SISTEMAS DE PROTECCIÓN

2.1 ELEMENTOS ESTRUCTURALES

- **COLUMNAS**

J.3.5.2.1 — ***Columnas de concreto estructural*** — Las columnas de concreto estructural deben cumplir los siguientes requisitos para efectos de su resistencia al fuego:

(a) La dimensión mínima para columnas en estructuras con capacidad especial de disipación de energía *DES* dada en C.21.6.1.1 de 300 mm, es adecuada para resistencia al fuego requerida de tres (3) horas.
(b) La dimensión mínima para columnas en estructuras con capacidad moderada de disipación de energía *DMO* dada en C.21.3.5.1 de 250 mm, es adecuada para resistencia al fuego requerida hasta de dos (2) horas. Este tamaño de columna no se permite en zonas de amenaza sísmica alta.
(c) Una dimensión mínima de 200 mm es adecuada para resistencia al fuego requerida hasta de una (1) hora. El Título C no establece una dimensión mínima para columnas con capacidad mínima de disipación de energía *DMI*. Este tamaño de columna no se permite en zonas de amenaza sísmica alta e intermedia.
(d) Los requisitos de recubrimiento para concreto construido en sitio dados en C.7.7.1 de 40 mm para estribos, espirales y armadura principal, son adecuados para resistencia al fuego requerida hasta de tres (3) horas.

De acuerdo a lo anterior todas las columnas del proyecto cumplen las dimensiones de C.21.6.1.1 y recubrimientos C.7.7.1, lo cual les garantiza una resistencia de 3 horas.

- **VIGAS**

J.3.5.2.4 — ***Vigas de concreto estructural*** — Las vigas de concreto estructural deben cumplir los siguientes requisitos para efectos de su resistencia al fuego:

(a) El ancho mínimo del alma de vigas en estructuras con capacidad especial de disipación de energía *DES* dada en C.21.5.1.3 de 250 mm, es adecuado para resistencia al fuego requerida de tres (3) horas.
(b) El ancho mínimo del alma de vigas en estructuras con capacidad moderada de disipación de energía *DMO* dada en C.21.3.4.1 de 200 mm, es adecuada para resistencia al fuego requerida de dos (2) horas. Este ancho del alma de vigas no se permite en zonas de amenaza sísmica alta.
(c) El ancho mínimo del alma de vigas no debe ser menor de 120 mm para resistencia al fuego requerida de una (1) hora. Este ancho del alma de vigas no se permite en zonas de amenaza sísmica alta e intermedia.
(e) Los requisitos de recubrimiento para concreto construido en sitio dados en C.7.7.1 de 40 mm para estribos y armadura principal, son adecuados para resistencia al fuego requerida hasta de dos (2) horas.
(f) Para tres (3) horas de resistencia al fuego requerida se debe emplear un recubrimiento de 60 mm.

De acuerdo a lo anterior todas las vigas del proyecto cumplen las dimensiones de C.21.5.1.3 y recubrimientos C.7.7.1, lo cual les garantiza una resistencia de 3 horas.

- **MUROS ESTRUCTURALES**

J.3.5.2.2 — ***Muros estructurales*** — Los muros estructurales de concreto deben cumplir los siguientes requisitos para efectos de su resistencia al fuego:

(a) El ancho mínimo en muros estructurales no debe ser menor de 150 mm para resistencia al fuego requerida de tres (3) horas.
(b) El ancho mínimo en muros estructurales no debe ser menor de 100 mm para resistencia al fuego requerida de dos (2) horas.
(c) El ancho mínimo en muros estructurales no debe ser menor de 80 mm para resistencia al fuego requerida de una (1) hora.
(d) Los requisitos de recubrimiento para concreto construido en sitio dados en C.7.7.1 de 20 mm para refuerzo con barras No. 11 (1-3/8" ó 36M (36 mm), solo es adecuado para resistencia al fuego requerida hasta de una (1) hora.
(e) Para resistencia al fuego requerida de dos (2) horas o más, el recubrimiento para concreto construido en sitio debe ser al menos 25 mm.

De acuerdo a lo anterior todos los muros del proyecto cumplen las dimensiones de dimensión menor mayor a 150mm y recubrimientos mayores a 25mm, lo cual les garantiza una resistencia de 2 horas.

2.2 ELEMENTOS NO ESTRUCTURALES

- Muros de cerramiento de escaleras.
- Muros interiores no portantes.

ELEMENTOS DE MAMPOSTERÍA – Para proveer muros de mampostería con las resistencias al fuego normalizado especificadas en el numeral J.3.4.3, debe estimarse la resistencia al fuego de la mampostería, especificadas en la tabla J.3.5.7 o J.3.5.8 en función de su espesor mínimo equivalente.

Tabla J.3.5-1
Espesor mínimo equivalente, e_t, de muros de mampostería de arcilla, en mm, en función de la resistencia al fuego en horas. Véase la Nota-1

Tipo de unidad	Resistencia al fuego en horas		
	1 [Nota-2]	2	3
Maciza	60	90	110
De perforación vertical	50	80	100
De perforación horizontal	45	65	90

Nota-1: Las unidades de mampostería de arcilla deben cumplir los requisitos dados en D.3.6 respecto a propiedades y normas técnicas.

Nota-2: La resistencia al fuego de 1 hora se considera que se cumple implícitamente en las siguientes unidades de arcilla:

(a) Para unidades macizas hasta con 25% de vacíos, 1 hora de resistencia al fuego se cumple con unidades de ancho nominal de 100 mm.

(b) Para unidades de perforación vertical hasta con 65% de vacíos (máximo porcentaje de vacíos permitido por D.3.6.4.1) y con sus celdas para alojar refuerzo vertical con o sin mortero de relleno, 1 hora de resistencia al fuego se cumple con unidades con ancho nominal de 120 mm.

(c) Para unidades de perforación horizontal que cumplan con los espesores mínimos de pared establecidos en la norma NTC 4205, 1 hora de resistencia al fuego se cumple con unidades con ancho nominal de 100 mm.

J.3.5.3.1 – El espesor mínimo equivalente se calcula con base en la ecuación J.3.5-1

$$e_E = \frac{V}{LA} \qquad \text{(J.3.5-1)}$$

Donde:

e_E = espesor equivalente.
V = volumen de sólidos de una unidad de mampostería.
L = longitud de la unidad de mampostería.
A = altura de la unidad de mampostería

ANEXO H – DISEÑO DE ELEMENTOS METÁLICOS Y CONEXIONES

Table: Steel Frame Design Summary - AISC 360-10, Part 1 of 2

Table: Steel Frame Design Summary - AISC 360-10, Part 1 of 2

Story	Label	UniqueName	Design Type	Design Section	Status	PMM Combo	PMM Ratio	P Ratio
Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless
CB1	C127	1253	Column	Tub 150x150x6mm	No Message	B.2.4-3b(C)	0.219	0.012
CB1	C127	1253	Column	Tub 150x150x6mm	No Message	B.2.4-3b(T)	0.051	0.003
CB1	C130	1124	Column	Tub 150x150x6mm	No Message	B.2.4-3b(C)	0.202	0.01
CB1	C130	1124	Column	Tub 150x150x6mm	No Message	B.2.4-3b(T)	0.057	0.002
CB1	C131	1265	Column	Tub 150x150x6mm	No Message	B.2.4-3b(C)	0.39	0.02
CB1	C131	1265	Column	Tub 150x150x6mm	No Message	B.2.4-3b(T)	0.111	0.005
CB1	C132	1266	Column	Tub 150x150x6mm	No Message	B.2.4-3b(C)	0.406	0.023
CB1	C132	1266	Column	Tub 150x150x6mm	No Message	B.2.4-3b(T)	0.104	0.007
CB1	C133	1268	Column	Tub 150x150x6mm	No Message	B.2.4-3b(C)	0.2	0.01
CB1	C133	1268	Column	Tub 150x150x6mm	No Message	B.2.4-3b(T)	0.058	0.003
CB1	C134	1269	Column	Tub 150x150x6mm	No Message	B.2.4-3b(C)	0.221	0.012
CB1	C134	1269	Column	Tub 150x150x6mm	No Message	B.2.4-3b(T)	0.048	0.003
CB1	C135	1277	Column	Tub 150x150x6mm	No Message	B.2.4-3b(C)	0.203	0.01
CB1	C135	1277	Column	Tub 150x150x6mm	No Message	B.2.4-3b(T)	0.056	0.003
CB1	C136	1278	Column	Tub 150x150x6mm	No Message	B.2.4-3b(C)	0.22	0.012
CB1	C136	1278	Column	Tub 150x150x6mm	No Message	B.2.4-3b(T)	0.049	0.003
CB1	C137	1286	Column	Tub 150x150x6mm	No Message	B.2.4-3b(C)	0.205	0.01
CB1	C137	1286	Column	Tub 150x150x6mm	No Message	B.2.4-3b(T)	0.056	0.002
CB1	C138	1287	Column	Tub 150x150x6mm	No Message	B.2.4-3b(C)	0.223	0.012

Table: Steel Frame Design Summary - AISC 360-10, Part 1 of 2

Story	Label	UniqueName	Design Type	Design Section	Status	PMM Combo	PMM Ratio	P Ratio
Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless
CB1	C138	1287	Column	Tub 150x150x6mm	No Message	B.2.4-3b(T)	0.047	0.003
CB1	C139	1289	Column	Tub 150x150x6mm	No Message	B.2.4-5b(C)	0.132	0.002
CB1	C139	1289	Column	Tub 150x150x6mm	No Message	B.2.4-5b(T)	0.022	0.001
CB1	C140	1290	Column	Tub 150x150x6mm	No Message	B.2.4-5b(C)	0.158	0.002
CB1	C140	1290	Column	Tub 150x150x6mm	No Message	B.2.4-5b(T)	0.016	0.001
CB1	C146	1299	Column	Tub 150x150x6mm	No Message	B.2.4-5b(C)	0.222	0.006
CB1	C146	1299	Column	Tub 150x150x6mm	No Message	B.2.4-5b(T)	0.073	0.004
CB1	C148	1298	Column	Tub 150x150x6mm	No Message	B.2.4-5b(C)	0.196	0.005
CB1	C148	1298	Column	Tub 150x150x6mm	No Message	B.2.4-5b(T)	0.037	0.002
CB1	C150	1315	Column	Tub 150x150x6mm	No Message	B.2.4-5b(C)	0.204	0.005
CB1	C150	1315	Column	Tub 150x150x6mm	No Message	B.2.4-5b(T)	0.035	0.002
CB1	C151	1316	Column	Tub 150x150x6mm	No Message	B.2.4-5b(C)	0.223	0.006
CB1	C151	1316	Column	Tub 150x150x6mm	No Message	B.2.4-5b(T)	0.069	0.004
CB1	C152	1318	Column	Tub 150x150x6mm	No Message	B.2.4-5b(C)	0.223	0.005
CB1	C152	1318	Column	Tub 150x150x6mm	No Message	B.2.4-5b(T)	0.033	0.002
CB1	C153	1319	Column	Tub 150x150x6mm	No Message	B.2.4-5b(C)	0.263	0.006
CB1	C153	1319	Column	Tub 150x150x6mm	No Message	B.2.4-5b(T)	0.09	0.004
CB1	C154	1321	Column	Tub 150x150x6mm	No Message	B.2.4-5b(C)	0.192	0.003
CB1	C154	1321	Column	Tub 150x150x6mm	No Message	B.2.4-5b(T)	0.01	0.001
CB1	C155	1322	Column	Tub 150x150x6mm	No Message	B.2.4-5b(C)	0.214	0.004

Table: Steel Frame Design Summary - AISC 360-10, Part 1 of 2

Story	Label	UniqueName	Design Type	Design Section	Status	PMM Combo	PMM Ratio	P Ratio
Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless
CB1	C155	1322	Column	Tub 150x150x6mm	No Message	B.2.4-5b(T)	0.083	0.002
CB1	C156	1336	Column	Tub 150x150x6mm	No Message	B.2.4-5b(C)	0.155	0.004
CB1	C156	1336	Column	Tub 150x150x6mm	No Message	B.2.4-5b(T)	0.02	0.001
CB1	C157	1337	Column	Tub 150x150x6mm	No Message	B.2.4-5b(C)	0.302	0.004
CB1	C157	1337	Column	Tub 150x150x6mm	No Message	B.2.4-5b(T)	0.114	0.001
CB1	C158	53	Column	Tub 150x150x6mm	No Message	B.2.4-5b(C)	0.3	0.011
CB1	C159	1340	Column	Tub 150x150x6mm	No Message	B.2.4-3b(C)	0.203	0.013
CB1	C159	1340	Column	Tub 150x150x6mm	No Message	B.2.4-3b(T)	0.102	0.004
CB1	C160	1342	Column	Tub 150x150x6mm	No Message	B.2.4-5b(C)	0.286	0.004
CB1	C160	1342	Column	Tub 150x150x6mm	No Message	B.2.4-5b(T)	0.095	0.002
CB1	C161	1343	Column	Tub 150x150x6mm	No Message	B.2.4-5b(C)	0.218	0.005
CB1	C161	1343	Column	Tub 150x150x6mm	No Message	B.2.4-5b(T)	0.09	0.004
CB1	C162	1345	Column	Tub 150x150x6mm	No Message	B.2.4-5b(C)	0.231	0.005
CB1	C162	1345	Column	Tub 150x150x6mm	No Message	B.2.4-5b(T)	0.066	0.002
CB1	C163	1346	Column	Tub 150x150x6mm	No Message	B.2.4-5b(C)	0.2	0.006
CB1	C163	1346	Column	Tub 150x150x6mm	No Message	B.2.4-5b(T)	0.068	0.004
CB1	C164	1348	Column	Tub 150x150x6mm	No Message	B.2.4-5b(C)	0.216	0.005
CB1	C164	1348	Column	Tub 150x150x6mm	No Message	B.2.4-5b(T)	0.053	0.002
CB1	C165	1349	Column	Tub 150x150x6mm	No Message	B.2.4-5b(C)	0.225	0.006
CB1	C165	1349	Column	Tub 150x150x6mm	No Message	B.2.4-5b(T)	0.076	0.004

Table: Steel Frame Design Summary - AISC 360-10, Part 1 of 2

Story	Label	UniqueName	Design Type	Design Section	Status	PMM Combo	PMM Ratio	P Ratio
Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless
CB1	C166	1351	Column	Tub 150x150x6mm	No Message	B.2.4-5b(C)	0.197	0.004
CB1	C166	1351	Column	Tub 150x150x6mm	No Message	B.2.4-5b(T)	0.042	0.002
CB1	C167	1352	Column	Tub 150x150x6mm	No Message	B.2.4-5b(C)	0.186	0.005
CB1	C167	1352	Column	Tub 150x150x6mm	No Message	B.2.4-5b(T)	0.06	0.003
CB1	C114	1354	Column	Tub 150x150x6mm	No Message	B.2.4-5b(C)	0.165	0.002
CB1	C114	1354	Column	Tub 150x150x6mm	No Message	B.2.4-5b(T)	0.016	0.001
CB1	C121	1355	Column	Tub 150x150x6mm	No Message	B.2.4-5b(C)	0.151	0.003
CB1	C121	1355	Column	Tub 150x150x6mm	No Message	B.2.4-5b(T)	0.052	0.001
CB1	C31	32	Column	Tub 150x150x6mm	Warning: See Message	B.2.4-3b(C)	0.355	0.274
CB1	C31	32	Column	Tub 150x150x6mm	No Message	B.2.4-3b(T)	0.039	0.001
CB1	C55	33	Column	Tub 150x150x6mm	No Message	B.2.4-5b(C)	0.228	0.012
CB1	C55	33	Column	Tub 150x150x6mm	No Message	B.2.4-5b(T)	0.022	0.001
CB1	C32	54	Column	Tub 150x150x6mm	No Message	B.2.4-5b(C)	0.193	0.002
CB1	C32	54	Column	Tub 150x150x6mm	No Message	B.2.4-5b(T)	0.062	0.001
CB1	C77	36	Column	Tub 150x150x6mm	No Message	B.2.4-3b(C)	0.189	0.01
CB1	C77	36	Column	Tub 150x150x6mm	No Message	B.2.4-3b(T)	0.048	0.003
CB1	C79	38	Column	Tub 150x150x6mm	No Message	B.2.4-3b(C)	0.155	0.015
CB1	C79	38	Column	Tub 150x150x6mm	No Message	B.2.4-3b(T)	0.047	0.004
CB1	C90	40	Column	Tub 150x150x6mm	No Message	B.2.4-3b(C)	0.151	0.015
CB1	C90	40	Column	Tub 150x150x6mm	No Message	B.2.4-3b(T)	0.046	0.004

Table: Steel Frame Design Summary - AISC 360-10, Part 1 of 2

Story	Label	UniqueName	Design Type	Design Section	Status	PMM Combo	PMM Ratio	P Ratio
Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless
CB1	C106	42	Column	Tub 150x150x6mm	No Message	B.2.4-3b(C)	0.154	0.015
CB1	C106	42	Column	Tub 150x150x6mm	No Message	B.2.4-3b(T)	0.045	0.004
CB1	C108	44	Column	Tub 150x150x6mm	No Message	B.2.4-3b(C)	0.161	0.015
CB1	C108	44	Column	Tub 150x150x6mm	No Message	B.2.4-3b(T)	0.048	0.004
CB1	C211	46	Column	Tub 150x150x6mm	No Message	B.2.4-3b(C)	0.214	0.009
CB1	C211	46	Column	Tub 150x150x6mm	No Message	B.2.4-3b(T)	0.069	0.002
CB1	C212	88	Column	Tub 150x150x6mm	No Message	B.2.4-5b(C)	0.228	0.004
CB1	C212	88	Column	Tub 150x150x6mm	No Message	B.2.4-5b(T)	0.015	0.00041
CB1	C101	89	Column	Tub 150x150x6mm	No Message	B.2.4-5b(C)	0.18	0.002
CB1	C101	89	Column	Tub 150x150x6mm	No Message	B.2.4-5b(T)	0.042	0.003
CB1	C102	118	Column	Tub 150x150x6mm	No Message	B.2.4-5b(C)	0.171	0.002
CB1	C102	118	Column	Tub 150x150x6mm	No Message	B.2.4-5b(T)	0.06	0.002
CB1	C217	85	Column	Tub 150x150x6mm	No Message	B.2.4-7b(C)	0.289	0.002
CB1	C217	85	Column	Tub 150x150x6mm	No Message	B.2.4-7b(T)	0.351	0.002
CB1	C64	117	Column	Tub 150x150x6mm	No Message	B.2.4-5b(C)	0.236	0.003
CB1	C64	117	Column	Tub 150x150x6mm	No Message	B.2.4-5b(T)	0.1	0.002
CB1	C76	103	Column	Tub 150x150x6mm	No Message	B.2.4-5b(C)	0.183	0.007
CB1	C76	103	Column	Tub 150x150x6mm	No Message	B.2.4-5b(T)	0.029	0.003
CB1	C103	37	Column	Tub 150x150x6mm	No Message	B.2.4-5b(C)	0.178	0.005
CB1	C103	37	Column	Tub 150x150x6mm	No Message	B.2.4-5b(T)	0.05	0.004

Table: Steel Frame Design Summary - AISC 360-10, Part 1 of 2

Story	Label	UniqueName	Design Type	Design Section	Status	PMM Combo	PMM Ratio	P Ratio
Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless
CB1	C104	39	Column	Tub 150x150x6mm	No Message	B.2.4-5b(C)	0.175	0.005
CB1	C104	39	Column	Tub 150x150x6mm	No Message	B.2.4-5b(T)	0.045	0.004
CB1	C105	41	Column	Tub 150x150x6mm	No Message	B.2.4-5b(C)	0.19	0.005
CB1	C105	41	Column	Tub 150x150x6mm	No Message	B.2.4-5b(T)	0.044	0.004
CB1	C213	43	Column	Tub 150x150x6mm	No Message	B.2.4-3b(C)	0.181	0.014
CB1	C213	43	Column	Tub 150x150x6mm	No Message	B.2.4-3b(T)	0.051	0.004
CB1	C214	45	Column	Tub 150x150x6mm	No Message	B.2.4-3b(C)	0.208	0.008
CB1	C214	45	Column	Tub 150x150x6mm	No Message	B.2.4-3b(T)	0.062	0.002
CB1	C70	148	Column	Tub 150x150x6mm	No Message	B.2.4-5b(C)	0.134	0.003
CB1	C70	148	Column	Tub 150x150x6mm	No Message	B.2.4-5b(T)	0.042	0.002
CB1	C71	151	Column	Tub 150x150x6mm	No Message	B.2.4-3b(C)	0.218	0.013
CB1	C71	151	Column	Tub 150x150x6mm	No Message	B.2.4-3b(T)	0.05	0.004
CB1	C78	154	Column	Tub 150x150x6mm	No Message	B.2.4-3b(C)	0.251	0.016
CB1	C78	154	Column	Tub 150x150x6mm	No Message	B.2.4-3b(T)	0.063	0.005
CB1	C81	155	Column	Tub 150x150x6mm	No Message	B.2.4-3b(C)	0.244	0.016
CB1	C81	155	Column	Tub 150x150x6mm	No Message	B.2.4-3b(T)	0.065	0.005
CB1	C91	156	Column	Tub 150x150x6mm	No Message	B.2.4-3b(C)	0.232	0.014
CB1	C91	156	Column	Tub 150x150x6mm	No Message	B.2.4-3b(T)	0.081	0.005
CB1	C94	157	Column	Tub 150x150x6mm	No Message	B.2.4-3b(C)	0.383	0.016
CB1	C94	157	Column	Tub 150x150x6mm	No Message	B.2.4-3b(T)	0.109	0.004

Table: Steel Frame Design Summary - AISC 360-10, Part 1 of 2

Story	Label	UniqueName	Design Type	Design Section	Status	PMM Combo	PMM Ratio	P Ratio
Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless
CB1	C100	158	Column	Tub 150x150x6mm	No Message	B.2.4-5b(C)	0.337	0.002
CB1	C100	158	Column	Tub 150x150x6mm	No Message	B.2.4-5b(T)	0.126	0.003
CB1	C107	159	Column	Tub 150x150x6mm	No Message	B.2.4-3b(C)	0.262	0.016
CB1	C107	159	Column	Tub 150x150x6mm	No Message	B.2.4-3b(T)	0.059	0.005
CB1	C109	160	Column	Tub 150x150x6mm	No Message	B.2.4-3b(C)	0.255	0.016
CB1	C109	160	Column	Tub 150x150x6mm	No Message	B.2.4-3b(T)	0.053	0.005
CB1	C112	161	Column	Tub 150x150x6mm	No Message	B.2.4-3b(C)	0.261	0.016
CB1	C112	161	Column	Tub 150x150x6mm	No Message	B.2.4-3b(T)	0.059	0.005
CB1	C123	162	Column	Tub 150x150x6mm	No Message	B.2.4-3b(C)	0.173	0.008
CB1	C123	162	Column	Tub 150x150x6mm	No Message	B.2.4-3b(T)	0.056	0.003
CB	C80	975	Column	Tub 150x150x6mm	No Message	B.2.4-5b(C)	0.164	0.003
CB	C80	975	Column	Tub 150x150x6mm	No Message	B.2.4-5b(T)	0.057	0.001
CB	C83	993	Column	Tub 150x150x6mm	No Message	B.2.4-3b(C)	0.138	0.006
CB	C83	993	Column	Tub 150x150x6mm	No Message	B.2.4-3b(T)	0.047	0.002
CB	C84	995	Column	Tub 150x150x6mm	No Message	B.2.4-5b(C)	0.183	0.004
CB	C84	995	Column	Tub 150x150x6mm	No Message	B.2.4-5b(T)	0.021	0.003
CB	C85	998	Column	Tub 150x150x6mm	No Message	B.2.4-5b(C)	0.13	0.004
CB	C85	998	Column	Tub 150x150x6mm	No Message	B.2.4-5b(T)	0.018	0.004
CB	C86	1002	Column	Tub 150x150x6mm	No Message	B.2.4-5b(C)	0.181	0.004
CB	C86	1002	Column	Tub 150x150x6mm	No Message	B.2.4-5b(T)	0.031	0.003

Table: Steel Frame Design Summary - AISC 360-10, Part 1 of 2

Story	Label	UniqueName	Design Type	Design Section	Status	PMM Combo	PMM Ratio	P Ratio
Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless
CB	C87	1006	Column	Tub 150x150x6mm	No Message	B.2.4-5b(C)	0.168	0.004
CB	C87	1006	Column	Tub 150x150x6mm	No Message	B.2.4-5b(T)	0.027	0.004
CB	C88	1012	Column	Tub 150x150x6mm	No Message	B.2.4-5b(C)	0.406	0.006
CB	C88	1012	Column	Tub 150x150x6mm	No Message	B.2.4-5b(T)	0.048	0.001
CB	C89	1014	Column	Tub 150x150x6mm	No Message	B.2.4-3b(C)	0.073	0
CB	C89	1014	Column	Tub 150x150x6mm	No Message	B.2.4-3b(T)	0.207	0.006
CB	C98	1070	Column	Tub 150x150x6mm	No Message	B.2.4-5b(C)	0.356	0.008
CB	C99	1061	Column	Tub 150x150x6mm	No Message	B.2.4-3b(C)	0.093	0.012
CB	C99	1061	Column	Tub 150x150x6mm	No Message	B.2.4-3b(T)	0.017	0.003
CB	C110	1058	Column	Tub 150x150x6mm	No Message	B.2.4-3b(C)	0.123	0.012
CB	C110	1058	Column	Tub 150x150x6mm	No Message	B.2.4-3b(T)	0.013	0.003
CB	C111	1050	Column	Tub 150x150x6mm	No Message	B.2.4-3b(C)	0.132	0.006
CB	C111	1050	Column	Tub 150x150x6mm	No Message	B.2.4-3b(T)	0.048	0.001
CB	C82	1059	Column	Tub 150x150x6mm	No Message	B.2.4-5b(C)	0.64	0.005
CB	C82	1059	Column	Tub 150x150x6mm	No Message	B.2.4-5b(T)	0.072	0.003
CB	C96	1112	Column	Tub 150x150x6mm	No Message	B.2.4-5b(C)	0.624	0.005
CB	C96	1112	Column	Tub 150x150x6mm	No Message	B.2.4-5b(T)	0.09	0.003
CB	C67	1115	Column	Tub 150x150x6mm	No Message	B.2.4-5b(C)	0.403	0.006
CB	C67	1115	Column	Tub 150x150x6mm	No Message	B.2.4-5b(T)	0.072	0.002
CB	C92	1055	Column	Tub 150x150x6mm	No Message	B.2.4-3b(C)	0.164	0.016

Table: Steel Frame Design Summary - AISC 360-10, Part 1 of 2

Story	Label	UniqueName	Design Type	Design Section	Status	PMM Combo	PMM Ratio	P Ratio
Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless
CB	C92	1055	Column	Tub 150x150x6mm	No Message	B.2.4-3b(T)	0.038	0.005
CB	C93	1129	Column	Tub 150x150x6mm	No Message	B.2.4-5b(C)	0.17	0.005
CB	C93	1129	Column	Tub 150x150x6mm	No Message	B.2.4-5b(T)	0.055	0.004
CB	C97	1132	Column	Tub 150x150x6mm	No Message	B.2.4-5b(C)	0.392	0.006
CB	C97	1132	Column	Tub 150x150x6mm	No Message	B.2.4-5b(T)	0.074	0.002
CB	C120	1187	Column	Tub 150x150x6mm	No Message	B.2.4-3b(C)	0.158	0.006
CB	C120	1187	Column	Tub 150x150x6mm	No Message	B.2.4-3b(T)	0.042	0.001
CB	C122	1142	Column	Tub 150x150x6mm	No Message	B.2.4-5b(C)	0.31	0.002
CB	C122	1142	Column	Tub 150x150x6mm	No Message	B.2.4-5b(T)	0.052	0.002
CB	C115	1149	Column	Tub 150x150x6mm	No Message	B.2.4-3b(C)	0.262	0.08
CB	C115	1149	Column	Tub 150x150x6mm	No Message	B.2.4-3b(T)	0.057	0.004
CB	C116	1150	Column	Tub 150x150x6mm	No Message	B.2.4-3b(C)	0.197	0.012
CB	C116	1150	Column	Tub 150x150x6mm	No Message	B.2.4-3b(T)	0.055	0.003
CB	C118	1152	Column	Tub 150x150x6mm	No Message	B.2.4-3b(C)	0.153	0.016
CB	C118	1152	Column	Tub 150x150x6mm	No Message	B.2.4-3b(T)	0.041	0.004
CB	C119	1244	Column	Tub 150x150x6mm	No Message	B.2.4-5b(C)	0.172	0.005
CB	C119	1244	Column	Tub 150x150x6mm	No Message	B.2.4-5b(T)	0.044	0.004
CB	C124	1246	Column	Tub 150x150x6mm	No Message	B.2.4-5b(C)	0.443	0.006
CB	C124	1246	Column	Tub 150x150x6mm	No Message	B.2.4-5b(T)	0.079	0.002
CB	C95	1144	Column	Tub 150x150x6mm	No Message	B.2.4-5b(C)	0.109	0.002

Table: Steel Frame Design Summary - AISC 360-10, Part 1 of 2

Story	Label	UniqueName	Design Type	Design Section	Status	PMM Combo	PMM Ratio	P Ratio
Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless
CB	C95	1144	Column	Tub 150x150x6mm	No Message	B.2.4-5b(T)	0.029	0.001
CB	C113	1148	Column	Tub 150x150x6mm	No Message	B.2.4-5b(C)	0.111	0.002
CB	C113	1148	Column	Tub 150x150x6mm	No Message	B.2.4-5b(T)	0.023	0.001
CB	C170	934	Column	Tub 150x150x6mm	No Message	B.2.4-3b(C)	0.146	0.005
CB	C170	934	Column	Tub 150x150x6mm	No Message	B.2.4-3b(T)	0.046	0.001
CB	C199	954	Column	Tub 150x150x6mm	No Message	B.2.4-3b(C)	0.086	0.011
CB	C199	954	Column	Tub 150x150x6mm	No Message	B.2.4-3b(T)	0.034	0.003
CB	C210	962	Column	Tub 150x150x6mm	No Message	B.2.4-3b(C)	0.145	0.005
CB	C210	962	Column	Tub 150x150x6mm	No Message	B.2.4-3b(T)	0.047	0.001
CB1	B359	1260	Beam	Tub 150x150x6mm	No Message	B.2.4-3b(C)	0.274	0.019
CB1	B359	1260	Beam	Tub 150x150x6mm	No Message	B.2.4-3b(T)	0.07	0.003
CB1	B386	1267	Beam	Tub 150x150x6mm	No Message	B.2.4-3b(C)	0.53	0.04
CB1	B386	1267	Beam	Tub 150x150x6mm	No Message	B.2.4-3b(T)	0.149	0.006
CB1	B387	1270	Beam	Tub 150x150x6mm	No Message	B.2.4-3b(C)	0.277	0.02
CB1	B387	1270	Beam	Tub 150x150x6mm	No Message	B.2.4-3b(T)	0.071	0.003
CB1	B400	1285	Beam	Tub 150x150x6mm	No Message	B.2.4-3b(C)	0.275	0.02
CB1	B400	1285	Beam	Tub 150x150x6mm	No Message	B.2.4-3b(T)	0.071	0.003
CB1	B401	1288	Beam	Tub 150x150x6mm	No Message	B.2.4-3b(C)	0.275	0.019
CB1	B401	1288	Beam	Tub 150x150x6mm	No Message	B.2.4-3b(T)	0.072	0.003
CB1	B402	1291	Beam	Tub 150x150x6mm	No Message	B.2.4-3b(C)	0.129	0.007

Table: Steel Frame Design Summary - AISC 360-10, Part 1 of 2

Story	Label	UniqueName	Design Type	Design Section	Status	PMM Combo	PMM Ratio	P Ratio
Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless
CB1	B402	1291	Beam	Tub 150x150x6mm	No Message	B.2.4-3b(T)	0.026	0.001
CB1	B430	1307	Beam	Tub 150x150x6mm	No Message	B.2.4-3b(C)	0.241	0.021
CB1	B430	1307	Beam	Tub 150x150x6mm	No Message	B.2.4-3b(T)	0.043	0.001
CB1	B445	1317	Beam	Tub 150x150x6mm	No Message	B.2.4-3b(C)	0.241	0.021
CB1	B445	1317	Beam	Tub 150x150x6mm	No Message	B.2.4-3b(T)	0.043	0.001
CB1	B446	1320	Beam	Tub 150x150x6mm	No Message	B.2.4-3b(C)	0.24	0.021
CB1	B446	1320	Beam	Tub 150x150x6mm	No Message	B.2.4-3b(T)	0.045	0.001
CB1	B447	1323	Beam	Tub 150x150x6mm	No Message	B.2.4-3b(C)	0.128	0.014
CB1	B447	1323	Beam	Tub 150x150x6mm	No Message	B.2.4-3b(T)	0.031	0
CB1	B460	1338	Beam	Tub 150x150x6mm	No Message	B.2.4-3b(C)	0.143	0.02
CB1	B461	1341	Beam	Tub 150x150x6mm	No Message	B.2.4-3b(C)	0.28	0.008
CB1	B461	1341	Beam	Tub 150x150x6mm	No Message	B.2.4-3b(T)	0.155	0.012
CB1	B462	1344	Beam	Tub 150x150x6mm	No Message	B.2.4-3b(C)	0.226	0.019
CB1	B462	1344	Beam	Tub 150x150x6mm	No Message	B.2.4-3b(T)	0.044	0.001
CB1	B463	1347	Beam	Tub 150x150x6mm	No Message	B.2.4-3b(C)	0.243	0.021
CB1	B463	1347	Beam	Tub 150x150x6mm	No Message	B.2.4-3b(T)	0.054	0
CB1	B464	1350	Beam	Tub 150x150x6mm	No Message	B.2.4-3b(C)	0.241	0.021
CB1	B464	1350	Beam	Tub 150x150x6mm	No Message	B.2.4-3b(T)	0.046	0.001
CB1	B465	1353	Beam	Tub 150x150x6mm	No Message	B.2.4-3b(C)	0.205	0.018
CB1	B465	1353	Beam	Tub 150x150x6mm	No Message	B.2.4-3b(T)	0.038	0.001

Table: Steel Frame Design Summary - AISC 360-10, Part 1 of 2

Story	Label	UniqueName	Design Type	Design Section	Status	PMM Combo	PMM Ratio	P Ratio
Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless
CB1	B503	1368	Beam	Tub 150x150x6mm	No Message	B.2.4-3b(C)	0.092	0.011
CB1	B503	1368	Beam	Tub 150x150x6mm	No Message	B.2.4-3b(T)	0.023	0
CB1	B19	34	Beam	Tub 150x150x6mm	No Message	B.2.4-3b(C)	0.135	0.005
CB1	B19	34	Beam	Tub 150x150x6mm	No Message	B.2.4-3b(T)	0.044	0
CB1	B67	55	Beam	Tub 150x150x6mm	No Message	B.2.4-5b(C)	0.089	0.018
CB1	B8	116	Beam	Tub 150x150x6mm	No Message	B.2.4-3b(C)	0.103	0.002
CB1	B8	116	Beam	Tub 150x150x6mm	No Message	B.2.4-3b(T)	0.058	0.002
CB1	B55	74	Beam	Tub 150x150x6mm	No Message	B.2.4-3b(C)	0.154	0.002
CB1	B55	74	Beam	Tub 150x150x6mm	No Message	B.2.4-3b(T)	0.079	0.007
CB1	B99	106	Beam	Tub 150x150x6mm	No Message	(T)	0.117	0.005
CB1	B102	84	Beam	Tub 150x150x6mm	No Message	B.2.4-5b(C)	0.068	0.027
CB1	B287	75	Beam	Tub 150x150x6mm	No Message	B.2.4-3b(C)	0.204	0.01
CB1	B287	75	Beam	Tub 150x150x6mm	No Message	B.2.4-3b(T)	0.056	0.002
CB1	B289	76	Beam	Tub 150x150x6mm	No Message	B.2.4-3b(C)	0.197	0.01
CB1	B289	76	Beam	Tub 150x150x6mm	No Message	B.2.4-3b(T)	0.055	0.002
CB1	B297	77	Beam	Tub 150x150x6mm	No Message	B.2.4-3b(C)	0.194	0.01
CB1	B297	77	Beam	Tub 150x150x6mm	No Message	B.2.4-3b(T)	0.054	0.002
CB1	B299	78	Beam	Tub 150x150x6mm	No Message	B.2.4-3b(C)	0.207	0.01
CB1	B299	78	Beam	Tub 150x150x6mm	No Message	B.2.4-3b(T)	0.057	0.003
CB1	B310	52	Beam	Tub 150x150x6mm	No Message	(T)	0.124	0.012

Table: Steel Frame Design Summary - AISC 360-10, Part 1 of 2

Story	Label	UniqueName	Design Type	Design Section	Status	PMM Combo	PMM Ratio	P Ratio
Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless
CB1	B155	47	Beam	Tub 150x150x6mm	No Message	B.2.4-3b(C)	0.123	0.006
CB1	B155	47	Beam	Tub 150x150x6mm	No Message	B.2.4-3b(T)	0.032	0.001
CB	B192	973	Beam	Tub 150x150x6mm	No Message	B.2.4-3b(C)	0.07	0.008
CB	B199	994	Beam	Tub 150x150x6mm	No Message	B.2.4-3b(C)	0.099	0.015
CB	B199	994	Beam	Tub 150x150x6mm	No Message	B.2.4-3b(T)	0.025	0
CB	B200	999	Beam	Tub 150x150x6mm	No Message	B.2.4-3b(C)	0.1	0.013
CB	B200	999	Beam	Tub 150x150x6mm	No Message	B.2.4-3b(T)	0.026	0.0002947
CB	B283	1010	Beam	Tub 150x150x6mm	No Message	B.2.4-5b(C)	0.108	0.026
CB	B177	1067	Beam	Tub 150x150x6mm	No Message	B.2.4-5b(C)	0.357	0.031
CB	B237	1060	Beam	Tub 150x150x6mm	No Message	B.2.4-3b(C)	0.107	0.013
CB	B237	1060	Beam	Tub 150x150x6mm	No Message	B.2.4-3b(T)	0.028	0.001
CB	B248	1056	Beam	Tub 150x150x6mm	No Message	B.2.4-3b(C)	0.104	0.014
CB	B248	1056	Beam	Tub 150x150x6mm	No Message	B.2.4-3b(T)	0.029	0.0004329
CB	B281	1047	Beam	Tub 150x150x6mm	No Message	B.2.4-3b(C)	0.07	0.007
CB	B244	1114	Beam	Tub 150x150x6mm	No Message	B.2.4-7b(C)	0.197	0.042
CB	B244	1114	Beam	Tub 150x150x6mm	No Message	B.2.4-7b(T)	0.23	0.044
CB	B324	1082	Beam	Tub 150x150x6mm	No Message	(T)	0.227	0.043
CB	B345	1121	Beam	Tub 150x150x6mm	No Message	B.2.4-5b(C)	0.186	0.039
CB	B347	1135	Beam	Tub 150x150x6mm	No Message	B.2.4-3b(C)	0.217	0.012
CB	B347	1135	Beam	Tub 150x150x6mm	No Message	B.2.4-3b(T)	0.062	0.003

Table: Steel Frame Design Summary - AISC 360-10, Part 1 of 2

Story	Label	UniqueName	Design Type	Design Section	Status	PMM Combo	PMM Ratio	P Ratio
Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless
CB	B349	1136	Beam	Tub 150x150x6mm	No Message	B.2.4-5b(C)	0.176	0.037
CB	B328	1186	Beam	Tub 150x150x6mm	No Message	B.2.4-5b(C)	0.084	0.003
CB	B328	1186	Beam	Tub 150x150x6mm	No Message	B.2.4-5b(T)	0.036	0.0001893
CB	B355	1141	Beam	Tub 150x150x6mm	No Message	B.2.4-5b(C)	0.165	0.01
CB	B355	1141	Beam	Tub 150x150x6mm	No Message	B.2.4-5b(T)	0.019	0.001
CB	B361	1151	Beam	Tub 150x150x6mm	No Message	B.2.4-3b(C)	0.179	0.011
CB	B361	1151	Beam	Tub 150x150x6mm	No Message	B.2.4-3b(T)	0.049	0.002
CB	B363	1245	Beam	Tub 150x150x6mm	No Message	B.2.4-3b(C)	0.214	0.013
CB	B363	1245	Beam	Tub 150x150x6mm	No Message	B.2.4-3b(T)	0.06	0.003
CB	B367	1248	Beam	Tub 150x150x6mm	No Message	B.2.4-5b(C)	0.171	0.042
CB	B495	1123	Beam	Tub 150x150x6mm	No Message	B.2.4-3b(C)	0.063	0.004
CB	B495	1123	Beam	Tub 150x150x6mm	No Message	B.2.4-3b(T)	0.012	0.001
CB	B163	930	Beam	Tub 150x150x6mm	No Message	B.2.4-3b(C)	0.074	0.003
CB	B163	930	Beam	Tub 150x150x6mm	No Message	B.2.4-3b(T)	0.018	0.001
CB	B165	950	Beam	Tub 150x150x6mm	No Message	B.2.4-3b(C)	0.113	0.008
CB	B165	950	Beam	Tub 150x150x6mm	No Message	B.2.4-3b(T)	0.033	0.002
CB	B166	961	Beam	Tub 150x150x6mm	No Message	B.2.4-3b(C)	0.074	0.003
CB	B166	961	Beam	Tub 150x150x6mm	No Message	B.2.4-3b(T)	0.018	0.001
CB	D1	917	Brace	Tub 150x150x6mm	No Message	B.2.4-3b(C)	0.094	0.005
CB	D1	917	Brace	Tub 150x150x6mm	No Message	B.2.4-3b(T)	0.029	0.001

Table: Steel Frame Design Summary - AISC 360-10, Part 1 of 2

Story	Label	UniqueName	Design Type	Design Section	Status	PMM Combo	PMM Ratio	P Ratio
Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless
CB	D2	946	Brace	Tub 150x150x6mm	No Message	B.2.4-3b(C)	0.138	0.012
CB	D2	946	Brace	Tub 150x150x6mm	No Message	B.2.4-3b(T)	0.034	0.004
CB	D3	958	Brace	Tub 150x150x6mm	No Message	B.2.4-3b(C)	0.094	0.005
CB	D3	958	Brace	Tub 150x150x6mm	No Message	B.2.4-3b(T)	0.031	0.002

Table: Steel Frame Design Summary - AISC 360-10, Part 2 of 2

Table: Steel Frame Design Summary - AISC 360-10, Part 2 of 2

UniqueName	M Major Ratio	M Minor Ratio	V Major Combo	V Major Ratio	V Minor Combo	V Minor Ratio	Message
Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless
1253	0.202	0.005	B.2.4-3b	0.067	B.2.4-5b	0.022	
1253	0.044	0.003					
1124	0.19	0.002	B.2.4-3b	0.067	B.2.4-5b	0.017	
1124	0.039	0.016					
1265	0.37	0.001	B.2.4-3b	0.136	B.2.4-5b	0.02	
1265	0.105	0.0002886					
1266	0.38	0.003	B.2.4-3b	0.136	B.2.4-5b	0.02	
1266	0.096	0.001					
1268	0.187	0.002	B.2.4-3b	0.069	B.2.4-5b	0.016	
1268	0.05	0.005					
1269	0.201	0.008	B.2.4-3b	0.069	B.2.4-7b	0.011	
1269	0.043	0.002					
1277	0.189	0.004	B.2.4-3b	0.067	B.2.4-5b	0.011	
1277	0.049	0.004					
1278	0.202	0.007	B.2.4-3b	0.067	B.2.4-5b	0.01	
1278	0.043	0.002					
1286	0.19	0.004	B.2.4-3b	0.065	B.2.4-5b	0.018	
1286	0.044	0.009					
1287	0.206	0.006	B.2.4-3b	0.065	B.2.4-5b	0.015	
1287	0.041	0.003					
1289	0.055	0.074	B.2.4-3b	0.025	B.2.4-5b	0.014	
1289	0.02	0.001					
1290	0.042	0.114	B.2.4-3b	0.025	B.2.4-5b	0.05	
1290	0.011	0.003					
1299	0.191	0.025	B.2.4-3b	0.118	B.2.4-5b	0.01	
1299	0.064	0.006					
1298	0.174	0.017	B.2.4-5b	0.043	B.2.4-5b	0.003	
1298	0.03	0.004					
1315	0.185	0.014	B.2.4-5b	0.048	B.2.4-5b	0.003	
1315	0.028	0.004					
1316	0.195	0.021	B.2.4-5b	0.119	B.2.4-5b	0.007	
1316	0.06	0.005					
1318	0.204	0.014	B.2.4-5b	0.054	B.2.4-5b	0.003	
1318	0.026	0.005					
1319	0.212	0.044	B.2.4-5b	0.129	B.2.4-5b	0.018	
1319	0.066	0.02					

Table: Steel Frame Design Summary - AISC 360-10, Part 2 of 2

UniqueName	M Major Ratio	M Minor Ratio	V Major Combo	V Major Ratio	V Minor Combo	V Minor Ratio	Message
Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless
1321	0.177	0.012	B.2.4-5b	0.048	B.2.4-5b	0.003	
1321	0.005	0.004					
1322	0.165	0.045	B.2.4-5b	0.097	B.2.4-5b	0.021	
1322	0.054	0.027					
1336	0.127	0.025	B.2.4-5b	0.041	B.2.4-5b	0.004	
1336	0.018	0.002					
1337	0.235	0.063	B.2.4-5b	0.121	B.2.4-5b	0.025	
1337	0.11	0.003					
53	0.134	0.155	B.2.4-5b	0.023	B.2.4-5b	0.034	
1340	0.066	0.124	B.2.4-5b	0.061	B.2.4-3b	0.042	
1340	0.051	0.047					
1342	0.158	0.124	B.2.4-7b	0.037	B.2.4-5b	0.025	
1342	0.031	0.061					
1343	0.176	0.037	B.2.4-3b	0.107	B.2.4-5b	0.017	
1343	0.058	0.029					
1345	0.163	0.063	B.2.4-5b	0.042	B.2.4-5b	0.013	
1345	0.03	0.034					
1346	0.184	0.01	B.2.4-3b	0.118	B.2.4-7b	0.003	
1346	0.06	0.005					
1348	0.174	0.037	B.2.4-5b	0.044	B.2.4-5b	0.008	
1348	0.029	0.022					
1349	0.183	0.036	B.2.4-3b	0.119	B.2.4-5b	0.014	
1349	0.062	0.011					
1351	0.17	0.023	B.2.4-7b	0.04	B.2.4-5b	0.004	
1351	0.026	0.013					
1352	0.158	0.023	B.2.4-3b	0.1	B.2.4-5b	0.009	
1352	0.054	0.003					
1354	0.143	0.019	B.2.4-5b	0.039	B.2.4-5b	0.003	
1354	0.007	0.009					
1355	0.12	0.027	B.2.4-5b	0.072	B.2.4-5b	0.013	
1355	0.043	0.008					
32	0.078	0.002	B.2.4-3b	0.015	B.2.4-5b	0.02	kl/r > 200
32	0.038	0.0001953					
33	0.086	0.13	B.2.4-5b	0.019	B.2.4-5b	0.056	
33	0.014	0.007					
54	0.136	0.055	B.2.4-5b	0.06	B.2.4-5b	0.033	
54	0.058	0.003					
36	0.111	0.067	B.2.4-5b	0.049	B.2.4-3b	0.03	
36	0.016	0.029					
38	0.139	0.002	B.2.4-3b	0.059	B.2.4-7b	0.012	
38	0.042	0.0002597					
40	0.136	0.001	B.2.4-3b	0.056	B.2.4-5b	0.008	
40	0.04	0.001					
42	0.136	0.003	B.2.4-5b	0.061	B.2.4-5b	0.005	
42	0.04	0.001					
44	0.144	0.002	B.2.4-3b	0.059	B.2.4-3b	0.019	
44	0.042	0.001					
46	0.078	0.128	B.2.4-5b	0.041	B.2.4-3b	0.026	
46	0.024	0.042					
88	0.139	0.086	B.2.4-5b	0.08	B.2.4-5b	0.043	
88	0.01	0.005					
89	0.104	0.074	B.2.4-5b	0.062	B.2.4-5b	0.044	
89	0.012	0.028					

Table: Steel Frame Design Summary - AISC 360-10, Part 2 of 2

UniqueName	M Major Ratio	M Minor Ratio	V Major Combo	V Major Ratio	V Minor Combo	V Minor Ratio	Message
Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless
118	0.052	0.117	B.2.4-5b	0.019	B.2.4-5b	0.065	
118	0.003	0.054					
85	0.214	0.073	B.2.4-5b	0.131	B.2.4-3b	0.058	
85	0.249	0.1					
117	0.094	0.139	B.2.4-5b	0.015	B.2.4-3b	0.04	
117	0.031	0.068					
103	0.083	0.093	B.2.4-5b	0.019	B.2.4-3b	0.035	
103	0.022	0.004					
37	0.117	0.056	B.2.4-3b	0.059	B.2.4-5b	0.012	
37	0.042	0.004					
39	0.138	0.032	B.2.4-3b	0.056	B.2.4-5b	0.007	
39	0.04	0.001					
41	0.166	0.02	B.2.4-3b	0.055	B.2.4-3b	0.006	
41	0.04	0.0001662					
43	0.153	0.015	B.2.4-3b	0.059	B.2.4-3b	0.014	
43	0.042	0.005					
45	0.084	0.116	B.2.4-3b	0.035	B.2.4-3b	0.027	
45	0.022	0.038					
148	0.016	0.115	B.2.4-5b	0.005	B.2.4-3b	0.048	
148	0.003	0.038					
151	0.008	0.197	B.2.4-5b	0.008	B.2.4-3b	0.083	
151	0.006	0.04					
154	0.003	0.231	B.2.4-5b	0.01	B.2.4-3b	0.098	
154	0.015	0.042					
155	0.001	0.227	B.2.4-5b	0.01	B.2.4-3b	0.097	
155	0.019	0.041					
156	0.006	0.212	B.2.4-5b	0.013	B.2.4-3b	0.09	
156	0.034	0.042					
157	0.152	0.215	B.2.4-3b	0.027	B.2.4-3b	0.128	
157	0.016	0.089					
158	0.094	0.24	B.2.4-5b	0.023	B.2.4-3b	0.095	
158	0.019	0.103					
159	0.017	0.229	B.2.4-5b	0.014	B.2.4-3b	0.098	
159	0.008	0.045					
160	0.013	0.226	B.2.4-5b	0.012	B.2.4-3b	0.097	
160	0.007	0.041					
161	0.014	0.231	B.2.4-5b	0.012	B.2.4-3b	0.099	
161	0.009	0.045					
162	0.014	0.152	B.2.4-5b	0.009	B.2.4-3b	0.063	
162	0.01	0.042					
975	0.139	0.023	B.2.4-5b	0.066	B.2.4-3b	0.034	
975	0.016	0.04					
993	0.002	0.131	B.2.4-5b	0.038	B.2.4-3b	0.039	
993	0.0001768	0.045					
995	0.144	0.035	B.2.4-3b	0.093	B.2.4-5b	0.023	
995	0.016	0.002					
998	0.085	0.042	B.2.4-5b	0.034	B.2.4-5b	0.021	
998	0.01	0.004					
1002	0.116	0.06	B.2.4-3b	0.085	B.2.4-5b	0.033	
1002	0.014	0.015					
1006	0.081	0.083	B.2.4-5b	0.033	B.2.4-5b	0.036	
1006	0.01	0.013					
1012	0.287	0.113	B.2.4-5b	0.166	B.2.4-5b	0.032	

Table: Steel Frame Design Summary - AISC 360-10, Part 2 of 2

UniqueName	M Major Ratio	M Minor Ratio	V Major Combo	V Major Ratio	V Minor Combo	V Minor Ratio	Message
Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless
1012	0.017	0.03					
1014	0.015	0.058	B.2.4-5b	0.086	B.2.4-3b	0.031	
1014	0.159	0.042					
1070	0.306	0.041	B.2.4-5b	0.205	B.2.4-3b	0.021	
1061	0.079	0.003	B.2.4-3b	0.078	B.2.4-5b	0.011	
1061	0.001	0.014					
1058	0.095	0.016	B.2.4-3b	0.087	B.2.4-3b	0.014	
1058	0.005	0.006					
1050	0.043	0.084	B.2.4-3b	0.041	B.2.4-3b	0.032	
1050	0.002	0.045					
1059	0.572	0.063	B.2.4-5b	0.31	B.2.4-3b	0.035	
1059	0.056	0.013					
1112	0.56	0.059	B.2.4-5b	0.304	B.2.4-3b	0.035	
1112	0.072	0.015					
1115	0.343	0.054	B.2.4-5b	0.201	B.2.4-3b	0.03	
1115	0.026	0.044					
1055	0.147	0.001	B.2.4-3b	0.066	B.2.4-5b	0.007	
1055	0.033	0.0002777					
1129	0.077	0.089	B.2.4-3b	0.056	B.2.4-5b	0.037	
1129	0.048	0.003					
1132	0.328	0.058	B.2.4-5b	0.193	B.2.4-3b	0.028	
1132	0.029	0.043					
1187	0.038	0.114	B.2.4-5b	0.022	B.2.4-3b	0.043	
1187	0.005	0.036					
1142	0.205	0.103	B.2.4-5b	0.064	B.2.4-3b	0.043	
1142	0.012	0.038					
1149	0.128	0.054	B.2.4-3b	0.059	B.2.4-5b	0.018	
1149	0.035	0.018					
1150	0.137	0.048	B.2.4-3b	0.059	B.2.4-5b	0.027	
1150	0.037	0.015					
1152	0.135	0.002	B.2.4-3b	0.072	B.2.4-5b	0.018	
1152	0.036	0.001					
1244	0.104	0.064	B.2.4-3b	0.072	B.2.4-5b	0.03	
1244	0.039	0.001					
1246	0.373	0.064	B.2.4-5b	0.214	B.2.4-3b	0.03	
1246	0.04	0.037					
1144	0.061	0.046	B.2.4-5b	0.035	B.2.4-5b	0.012	
1144	0.008	0.02					
1148	0.093	0.016	B.2.4-5b	0.027	B.2.4-3b	0.009	
1148	0.007	0.015					
934	0.029	0.113	B.2.4-3b	0.02	B.2.4-3b	0.042	
934	0.006	0.039					
954	0.072	0.002	B.2.4-3b	0.045	B.2.4-5b	0.014	
954	0.029	0.002					
962	0.029	0.112	B.2.4-3b	0.018	B.2.4-3b	0.043	
962	0.006	0.039					
1260	0.254	0.0003617	B.2.4-3b	0.05	B.2.4-5b	0.016	
1260	0.067	0.001					
1267	0.489	0.001	B.2.4-3b	0.097	B.2.4-5b	0.015	
1267	0.143	0.0001615					
1270	0.256	0.001	B.2.4-3b	0.05	B.2.4-5b	0.014	
1270	0.068	0.0003401					
1285	0.254	0.001	B.2.4-3b	0.05	B.2.4-5b	0.011	

Table: Steel Frame Design Summary - AISC 360-10, Part 2 of 2

UniqueName	M Major Ratio	M Minor Ratio	V Major Combo	V Major Ratio	V Minor Combo	V Minor Ratio	Message
Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless
1285	0.067	0.0003285					
1288	0.256	0.0001606	B.2.4-3b	0.05	B.2.4-5b	0.011	
1288	0.068	0.0002747					
1291	0.12	0.002	B.2.4-3b	0.023	B.2.4-5b	0.003	
1291	0.024	0.0002376					
1307	0.22	0.001	B.2.4-3b	0.053	B.2.4-5b	0.007	
1307	0.042	0.0004206					
1317	0.218	0.002	B.2.4-3b	0.053	B.2.4-5b	0.006	
1317	0.041	0.001					
1320	0.218	0.001	B.2.4-3b	0.053	B.2.4-5b	0.005	
1320	0.043	0.0004825					
1323	0.111	0.003	B.2.4-3b	0.027	B.2.4-5b	0.005	
1323	0.029	0.001					
1338	0.118	0.004	B.2.4-3b	0.028	B.2.4-5b	0.008	
1341	0.253	0.019	B.2.4-3b	0.057	B.2.4-5b	0.007	
1341	0.129	0.014					
1344	0.198	0.009	B.2.4-3b	0.048	B.2.4-5b	0.006	
1344	0.038	0.005					
1347	0.218	0.004	B.2.4-3b	0.053	B.2.4-5b	0.006	
1347	0.052	0.002					
1350	0.219	0.001	B.2.4-3b	0.053	B.2.4-5b	0.005	
1350	0.041	0.004					
1353	0.185	0.002	B.2.4-3b	0.044	B.2.4-5b	0.005	
1353	0.035	0.002					
1368	0.078	0.003	B.2.4-3b	0.019	B.2.4-5b	0.004	
1368	0.021	0.002					
34	0.129	0.001	B.2.4-3b	0.024	B.2.4-5b	0.005	
34	0.043	0.001					
55	0.048	0.023	B.2.4-3b	0.015	B.2.4-5b	0.009	
116	0.075	0.026	B.2.4-3b	0.019	B.2.4-5b	0.008	
116	0.029	0.027					
74	0.147	0.004	B.2.4-3b	0.034	B.2.4-5b	0.004	
74	0.063	0.009					
106	0.104	0.008	B.2.4-3b	0.023	B.2.4-5b	0.005	
84	0.031	0.011	B.2.4-3b	0.008	B.2.4-5b	0.006	
75	0.192	0.002	B.2.4-3b	0.05	B.2.4-5b	0.005	
75	0.053	0.001					
76	0.186	0.001	B.2.4-3b	0.049	B.2.4-5b	0.005	
76	0.051	0.001					
77	0.185	0	B.2.4-3b	0.049	B.2.4-5b	0.006	
77	0.051	0.001					
78	0.196	0.0002521	B.2.4-3b	0.052	B.2.4-5b	0.005	
78	0.054	0.001					
52	0.091	0.021	B.2.4-3b	0.022	B.2.4-5b	0.005	
47	0.111	0.006	B.2.4-3b	0.029	B.2.4-5b	0.004	
47	0.028	0.003					
973	0.037	0.025	B.2.4-3b	0.013	B.2.4-3b	0.006	
994	0.082	0.001	B.2.4-3b	0.027	B.2.4-5b	0.005	
994	0.024	0.001					
999	0.082	0.005	B.2.4-3b	0.026	B.2.4-5b	0.005	
999	0.024	0.002					
1010	0.077	0.004	B.2.4-5b	0.016	B.2.4-5b	0.005	
1067	0.226	0.101	B.2.4-5b	0.101	B.2.4-5b	0.038	

Table: Steel Frame Design Summary - AISC 360-10, Part 2 of 2

UniqueName	M Major Ratio	M Minor Ratio	V Major Combo	V Major Ratio	V Minor Combo	V Minor Ratio	Message
Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless
1060	0.086	0.008	B.2.4-3b	0.027	B.2.4-5b	0.005	
1060	0.026	0.002					
1056	0.088	0.002	B.2.4-3b	0.028	B.2.4-7b	0.004	
1056	0.027	0.001					
1047	0.04	0.023	B.2.4-3b	0.014	B.2.4-3b	0.005	
1114	0.149	0.006	B.2.4-3b	0.032	B.2.4-7b	0.003	
1114	0.179	0.007					
1082	0.175	0.008	B.2.4-3b	0.032	B.2.4-7b	0.003	
1121	0.127	0.02	B.2.4-3b	0.025	B.2.4-5b	0.004	
1135	0.205	0.0001724	B.2.4-3b	0.054	B.2.4-5b	0.003	
1135	0.059	0					
1136	0.115	0.024	B.2.4-3b	0.025	B.2.4-5b	0.005	
1186	0.068	0.012	B.2.4-3b	0.027	B.2.4-3b	0.005	
1186	0.034	0.002					
1141	0.14	0.015	B.2.4-3b	0.031	B.2.4-5b	0.006	
1141	0.014	0.005					
1151	0.166	0.002	B.2.4-3b	0.043	B.2.4-5b	0.004	
1151	0.046	0.0004562					
1245	0.201	0.0002237	B.2.4-3b	0.053	B.2.4-5b	0.004	
1245	0.057	0					
1248	0.118	0.012	B.2.4-3b	0.025	B.2.4-5b	0.004	
1123	0.056	0.003	B.2.4-3b	0.015	B.2.4-5b	0.004	
1123	0.011	0.0003796					
930	0.045	0.026	B.2.4-3b	0.016	B.2.4-3b	0.004	
930	0.012	0.005					
950	0.105	0.000187	B.2.4-3b	0.035	B.2.4-5b	0.003	
950	0.031	0.0001393					
961	0.045	0.026	B.2.4-3b	0.015	B.2.4-5b	0.004	
961	0.012	0.005					
917	0.088	0.001	B.2.4-3b	0.024	B.2.4-3b	0.015	
917	0.027	0.001					
946	0.001	0.125	B.2.4-5b	0.009	B.2.4-3b	0.033	
946	0.000468	0.03					
958	0.087	0.002	B.2.4-3b	0.025	B.2.4-3b	0.016	
958	0.028	0.001					

Datos del proyecto

Nombre del proyecto	CES
Número del Proyecto	
Autor	
Descripción	
Fecha	22/10/2021
Código	AISC/ACI

Material

Acero	A572 Gr.50, A500, Gr. C, shaped, A36
Hormigón	4000 psi, 3000 psi

Ítem del proyecto ANCLAJES

Diseño

Nombre	ANCLAJES
Descripción	
Análisis	Tensión, deformación/ Cargas en equilibrio
Normativa de cálculo	AISC - LRFD (2016)

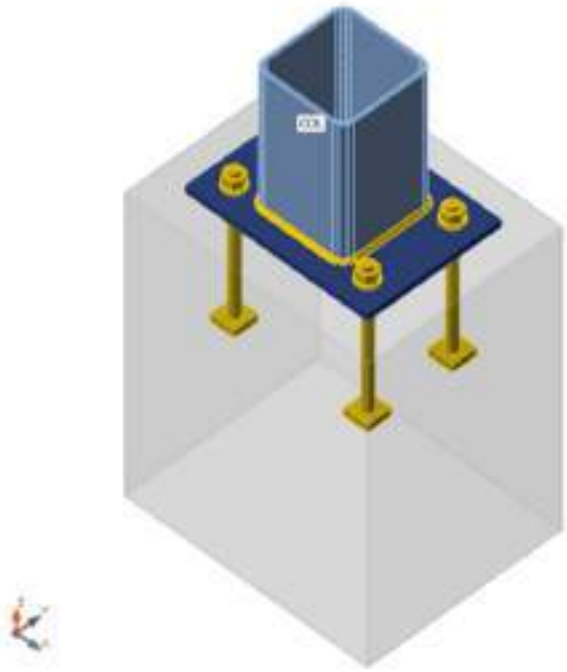
Elementos

Geometría

Nombre	Sección transversal	β – Dirección [°]	γ - Inclinación [°]	α - Rotación [°]	Desplazamiento ex [mm]	Desplazamiento ey [mm]	Desplazamiento ez [mm]
COL	32 - TUB 150x150x6mm(RHS150x150)	0.0	90.0	0.0	0	0	0

Apoyos y fuerzas

Nombre	Apoyo	Fuerzas en	X [mm]
COL / final		Nodo	0



Secciones

Nombre	Material
32 - TUB 150x150x6mm(RHS150x150)	A500, Gr. C, shaped

Anclajes

Nombre	Conjunto de tornillo	Diámetro [mm]	f_u [MPa]	Área bruta [mm^2]
5/8 ASTM 193 Gr. B7	5/8 ASTM 193 Gr. B7	16	861.8	198

Cargas (Fuerzas en equilibrio)

Nombre	Elemento	N [kN]	Vy [kN]	Vz [kN]	Mx [kNm]	My [kNm]	Mz [kNm]
LE1	COL / Finalizar	-38.0	26.0	0.0	0.0	10.8	2.4

Fuerzas Desbalanceadas

Nombre	X [kN]	Y [kN]	Z [kN]	Mx [kNm]	My [kNm]	Mz [kNm]
LE1	0.0	26.0	-38.0	-2.4	10.8	0.0

Bloque de la cimentación

Ítem	Valor	Unidad
CB 1		
Dimensiones	320 x 400	mm
Profundidad	500	mm
Anclaje	5/8 ASTM 193 Gr. B7	
Longitud del anclaje	200	mm
Transferencia de la fuerza cortante	Anclajes	

Verificación

Resumen

Nombre	Valor	Estado de la verificación
Análisis	100.0%	OK
Placas	0.0 < 5.0%	OK
Anclajes	33.6 < 100%	OK
Soldaduras	75.7 < 100%	OK
Bloque de hormigón	21.6 < 100%	OK
Pandeo	No calculado	

Placas

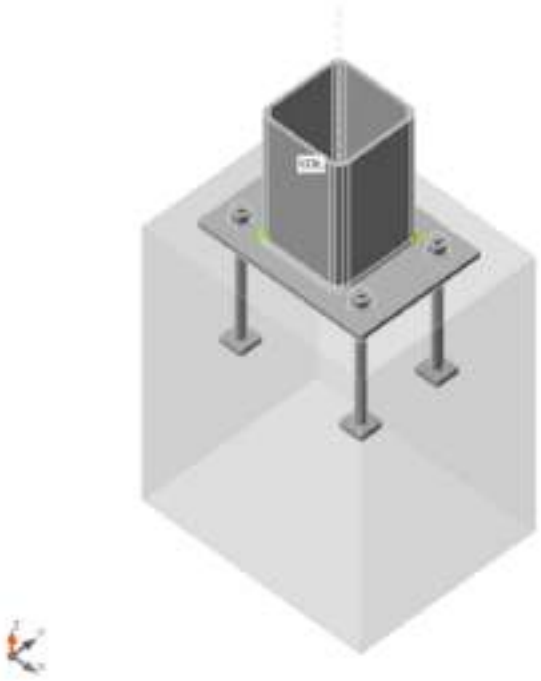
Nombre	Material	t_p [mm]	Cargas	σ_{Ed} [MPa]	ε_{Pl} [%]	$\sigma_{c,Ed}$ [MPa]	Estado
COL-w 1	A500, Gr. C, shaped	6.0	LE1	161.4	0.0	0.0	OK
COL-arc 1	A500, Gr. C, shaped	6.0	LE1	242.1	0.0	0.0	OK
COL-arc 2	A500, Gr. C, shaped	6.0	LE1	227.9	0.0	0.0	OK
COL-arc 3	A500, Gr. C, shaped	6.0	LE1	167.4	0.0	0.0	OK
COL-w 2	A500, Gr. C, shaped	6.0	LE1	86.3	0.0	0.0	OK
COL-arc 4	A500, Gr. C, shaped	6.0	LE1	134.6	0.0	0.0	OK
COL-arc 5	A500, Gr. C, shaped	6.0	LE1	219.0	0.0	0.0	OK
COL-arc 6	A500, Gr. C, shaped	6.0	LE1	246.3	0.0	0.0	OK
COL-w 3	A500, Gr. C, shaped	6.0	LE1	197.9	0.0	0.0	OK
COL-arc 7	A500, Gr. C, shaped	6.0	LE1	284.1	0.0	0.0	OK
COL-arc 8	A500, Gr. C, shaped	6.0	LE1	270.2	0.0	0.0	OK
COL-arc 9	A500, Gr. C, shaped	6.0	LE1	213.0	0.0	0.0	OK
COL-w 4	A500, Gr. C, shaped	6.0	LE1	125.9	0.0	0.0	OK
COL-arc 10	A500, Gr. C, shaped	6.0	LE1	93.0	0.0	0.0	OK
COL-arc 11	A500, Gr. C, shaped	6.0	LE1	122.4	0.0	0.0	OK
COL-arc 12	A500, Gr. C, shaped	6.0	LE1	144.6	0.0	0.0	OK
BP1	A572 Gr.50	12.0	LE1	244.7	0.0	0.0	OK

Datos de diseño

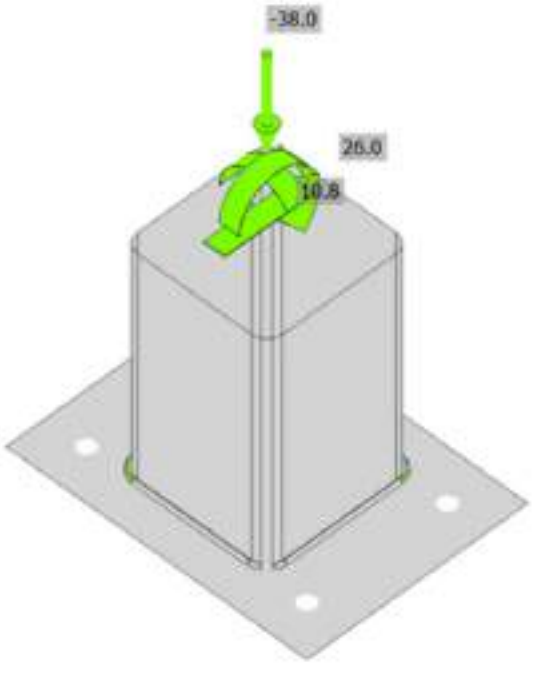
Material	F_y [MPa]	ε_{lim} [%]
A500, Gr. C, shaped	344.7	5.0
A572 Gr.50	344.7	5.0

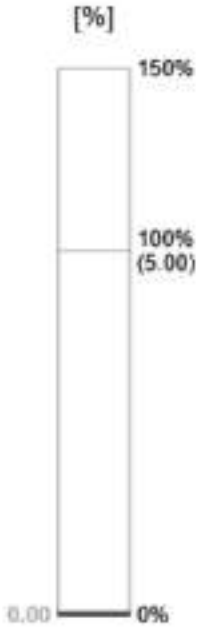
Explicación del símbolo

t_p	Espesor de placa
σ_{Ed}	Tensión equivalente
ε_{Pl}	Deformación plástica
$\sigma_{c,Ed}$	Tensiones de Contacto
F_y	Límite elástico
ε_{lim}	Límite de la deformación plástica

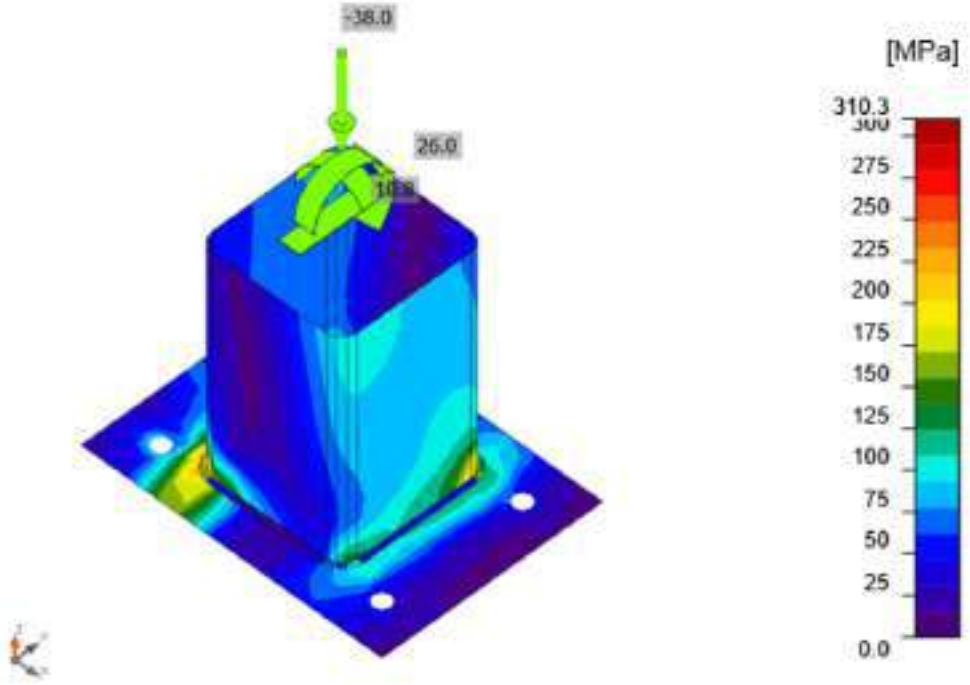


Verificación general, LE1



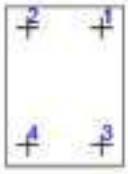


Verificación de deformación, LE1



Tensión equivalente, LE1

Anclajes

Forma	Ítem	Cargas	N_f [kN]	V [kN]	ϕN_p [kN]	ϕN_{sb} [kN]	Ut_t [%]	Ut_s [%]	Ut_{ts} [%]	Estado
	A1	LE1	20.6	6.4	162.4	71.3	23.5	13.1	12.3	OK
	A2	LE1	29.5	6.6	162.4	71.3	33.6	13.5	19.8	OK
	A3	LE1	0.0	6.6	162.4	-	0.0	13.5	3.5	OK
	A4	LE1	0.0	6.4	162.4	-	0.0	13.1	3.4	OK

Datos de diseño

Calidad	ϕN_{sa} [kN]	ϕV_{sa} [kN]
5/8 ASTM 193 Gr. B7 - 1	87.8	48.9

Explicación del símbolo

N_f	Fuerza de tracción
V	Resultante de fuerzas cortantes en pernos Vy y Vz en planos de cortantes
ϕN_p	Resistencia al deslizamiento – ACI 318-14 – 17.4.3
ϕN_{sb}	Resistencia al arrancamiento lateral del cono de hormigón a tracción de acuerdo con – ACI 318-14 – 17.4.4
Ut_t	Utilización a tracción
Ut_s	Utilización a cortante
Ut_{ts}	Utilización a tensión y cortante
ϕN_{sa}	Resistencia del anclaje en tracción - ACI 318-14 – 17.4.1
ϕV_{sa}	Resistencia del anclaje a cortante - ACI 318-14 – 17.5.1

Soldaduras

Ítem	Borde	Xu	t_w [mm]	w [mm]	L [mm]	L_c [mm]	Cargas	F_n [kN]	ϕR_n [kN]	Ut [%]	Estado
BP1	COL-w 1	E70xx	◢ 4.2 ◣	◢ 6.0 ◣	113	19	LE1	4.4	25.1	17.6	OK
		E70xx	◢ 4.2 ◣	◢ 6.0 ◣	114	19	LE1	6.9	24.8	28.0	OK
BP1	COL-arc 1	E70xx	◢ 4.2 ◣	◢ 6.0 ◣	8	8	LE1	5.7	10.7	53.1	OK
		E70xx	◢ 4.2 ◣	◢ 6.0 ◣	8	8	LE1	8.0	10.6	75.1	OK
BP1	COL-arc 2	E70xx	◢ 4.2 ◣	◢ 6.0 ◣	8	8	LE1	4.0	10.7	37.5	OK
		E70xx	◢ 4.2 ◣	◢ 6.0 ◣	8	8	LE1	7.1	10.7	65.9	OK
BP1	COL-arc 3	E70xx	◢ 4.2 ◣	◢ 6.0 ◣	8	8	LE1	2.1	10.6	19.4	OK
		E70xx	◢ 4.2 ◣	◢ 6.0 ◣	8	8	LE1	4.4	10.7	40.8	OK
BP1	COL-w 2	E70xx	◢ 4.2 ◣	◢ 6.0 ◣	113	19	LE1	4.4	19.3	22.8	OK
		E70xx	◢ 4.2 ◣	◢ 6.0 ◣	114	19	LE1	2.6	26.2	10.0	OK
BP1	COL-arc 4	E70xx	◢ 4.2 ◣	◢ 6.0 ◣	8	8	LE1	2.1	10.5	19.6	OK
		E70xx	◢ 4.2 ◣	◢ 6.0 ◣	8	8	LE1	1.9	10.7	17.7	OK
BP1	COL-arc 5	E70xx	◢ 4.2 ◣	◢ 6.0 ◣	8	8	LE1	3.4	10.7	31.7	OK
		E70xx	◢ 4.2 ◣	◢ 6.0 ◣	8	8	LE1	6.7	10.5	64.1	OK
BP1	COL-arc 6	E70xx	◢ 4.2 ◣	◢ 6.0 ◣	8	8	LE1	4.7	10.7	43.7	OK
		E70xx	◢ 4.2 ◣	◢ 6.0 ◣	8	8	LE1	7.9	10.5	75.0	OK
BP1	COL-w 3	E70xx	◢ 4.2 ◣	◢ 6.0 ◣	114	19	LE1	3.3	20.1	16.2	OK
		E70xx	◢ 4.2 ◣	◢ 6.0 ◣	114	19	LE1	8.6	26.1	32.9	OK
BP1	COL-arc 7	E70xx	◢ 4.2 ◣	◢ 6.0 ◣	8	8	LE1	7.9	10.6	75.0	OK
		E70xx	◢ 4.2 ◣	◢ 6.0 ◣	8	8	LE1	8.1	10.7	75.7	OK
BP1	COL-arc 8	E70xx	◢ 4.2 ◣	◢ 6.0 ◣	8	8	LE1	5.1	9.6	53.3	OK
		E70xx	◢ 4.2 ◣	◢ 6.0 ◣	8	8	LE1	8.1	10.7	75.5	OK
BP1	COL-arc 9	E70xx	◢ 4.2 ◣	◢ 6.0 ◣	8	8	LE1	5.2	8.7	59.9	OK
		E70xx	◢ 4.2 ◣	◢ 6.0 ◣	8	8	LE1	7.3	9.6	75.4	OK
BP1	COL-w 4	E70xx	◢ 4.2 ◣	◢ 6.0 ◣	114	19	LE1	8.0	22.9	34.9	OK
		E70xx	◢ 4.2 ◣	◢ 6.0 ◣	114	19	LE1	4.6	21.2	21.8	OK
BP1	COL-arc 10	E70xx	◢ 4.2 ◣	◢ 6.0 ◣	8	8	LE1	1.8	7.7	23.7	OK
		E70xx	◢ 4.2 ◣	◢ 6.0 ◣	8	8	LE1	3.0	8.7	35.1	OK
BP1	COL-arc 11	E70xx	◢ 4.2 ◣	◢ 6.0 ◣	8	8	LE1	1.7	9.5	17.6	OK
		E70xx	◢ 4.2 ◣	◢ 6.0 ◣	8	8	LE1	2.9	10.7	27.3	OK
BP1	COL-arc 12	E70xx	◢ 4.2 ◣	◢ 6.0 ◣	8	8	LE1	3.3	10.7	30.8	OK
		E70xx	◢ 4.2 ◣	◢ 6.0 ◣	8	8	LE1	4.9	10.7	46.3	OK

Explicación del símbolo

t_w	Espesor de garganta de soldadura
w	Tamaño de la soldadura
L	Longitud de la soldadura
L_c	Longitud del elemento crítico de la soldadura
F_n	Fuerza en el elemento crítico de la soldadura
ϕR_n	Resistencia de la soldadura - AISC 360-16 – J2-4
Ut	Utilización
◢	Cordón de soldadura

Bloque de hormigón

Ítem	Cargas	A_1 [mm2]	A_2 [mm2]	σ [MPa]	$\phi f_{p,max}$ [MPa]	Ut [%]	Estado
CB 1	LE1	23088	59026	3.9	18.3	21.6	OK

Explicación del símbolo

A_1	Área cargada
A_2	Área de soporte
σ	Tensión media en el hormigón
$\phi f_{p,max}$	Resistencia del apoyo de hormigón
Ut	Utilización

Pandeo

El análisis de pandeo no se ha calculado.

Configuración de la norma

Ítem	Valor	Unidad	Referencia
Coeficiente de fricción - hormigón	0.40	-	ACI 349-01 – B.6.1.4
Coeficiente de fricción en la resistencia a deslizamiento	0.30	-	AISC 360-16 – J3.8
Deformación plástica límite	0.05	-	
Detallado	No		
Distancia entre tornillos [d]	2.66	-	AISC 360-16 – J3.3
Distancia entre tornillos y el borde [d]	1.25	-	AISC 360-16 – J.3.4
Resistencia al arrancamiento del cono de hormigón	Ninguno		
Resistencia del metal base en la cara de fusión de la soldadura	No		AISC 360-16 – J2-2
La deformación en el orificio del perno con la carga de servicio es una consideración de diseño	Sí		AISC 360-16 – J3.10
Hormigón fisurado	Sí		ACI 318-14 – 17
Comprobación de la deformación local	No		
Deformación límite local	0.03	-	CIDECT DG 1, 3 - 1.1
No linealidad geométrica (GMNA)	Sí		Grandes deformaciones para secciones huecas

AVALÚO DE CARGAS VERTICALES

Carga Muerta

- **Peso propio teja**

Tipo: Teja termoacústica
Peso: 5.00 Kg /m^2



Teja en panel inyectado de poliuretano

- **Peso propio correas**

Tipo: PHR C 203x67x2.5mm
Peso: 7.03 Kg /m

Separación: 1.50m
Peso: 4.69 Kg /m^2

- **Carga muerta distribuida sobre la cubierta**

Peso teja termoacústica		5.0 Kg /m^2
Correas		4.7 Kg /m^2
Cielo en panel yeso mas entramado		15.0 Kg /m^2
Instalaciones (Luminarias-Ducteria de red contra incendio)		10.0 Kg /m^2
	W_{DL} =	**34.7 Kg/m^2**

Carga Viva

NSR'10 - TITULO B
De acuerdo con B.4.2 la carga viva que se debe usar para el diseño de la estructura es función del uso de la misma.

CARGA VIVA : Cubiertas (θ ≤15º): W_{LL} = 50 **Kg/m^2**

RESUMEN

W_{DL} =	35	1.2	42	Kg /m^2
W_{LL} =	50	1.6	80	Kg /m^2
W_{CS} =	85	W_U =	122	Kg /m^2

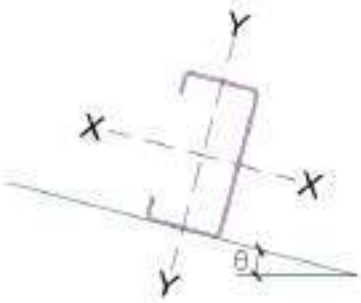
F.C. = 1.44

DISEÑO DE CORREAS

CORREA TIPO 1

Combinaciones de carga *B.2.4.2*

1. - 1.4D *B.2.4-1*
2. - 1.2D + 1.6Lr *B.2.4-2*
3. - 1.2D + 1.6Lr + 0.5W *B.2.4-3*
4. - 1.2D + 0.5Lr + 1.0W *B.2.4-4*
5. - 0.9D + 1.0W *B.2.4-6*



Cargas actuantes en las correas ")

Ángulo de la cubierta θ : 4.57º
Separación entre correas S : 1.50m
Longitud de correas L : 6.00m
Arriostramientos : @ L/3

W_{Dx} :	4.15 Kg/m	W_{Dy} :	51.86 Kg/m
W_{Lrx} :	5.98 Kg/m	W_{Lry} :	74.76 Kg/m
W_{wy} (-):	-127.17 Kg/m	W_{wy} (+):	90.00 Kg/m

Propiedades perlines escogidos ")

		ΦMux Kg-m	ΦMuy Kg-m	Grado	Peso Kg/m
• Acesco	PHR C 203x67x2.5mm	1398	313	50	7.03

Cargas actuantes en las correas

Combo	Wux Kg/m	Wuy Kg/m	Mux Kg-m	Muy Kg-m	ISE	ISE	ISE
1	5.80	72.61	326.7	2.90		0.243	
2	14.54	181.86	818.4	7.27		0.609	
3	14.54	226.86	1020.9	7.27		0.753	
4	7.96	189.62	853.3	3.98		0.623	
5	3.73	-80.49	-362.2	1.87		0.265	

ISE MÁX = 0.75

Carga de servicio

$$\Delta = \frac{5WL^4}{384EI} \leq L/240$$

L :	6000 mm	**ws :**	85 Kg/m²
Apoyo :	100 mm	**W :**	127.03 Kg/m
S :	1.50 m	**Ix :**	5389788 mm⁴
Viga :	PHR C 203x67x2.5mm	**Es :**	2038000 Kg/cm²
Peso :	7.03 kg/m		

δ : 0.018 m

δ : 1.82 cm < L/240 = 2.46 ok

Datos del proyecto

Nombre del proyecto	CES
Número del Proyecto	
Autor	
Descripción	
Fecha	22/10/2021
Código	AISC/ACI

Material

Acero	A572 Gr.50, A500, Gr. C, shaped, A36
Hormigón	4000 psi, 3000 psi

Ítem del proyecto PORTACORREA

Diseño

Nombre	PORTACORREA
Descripción	
Análisis	Tensión, deformación/ Carga simplificada
Normativa de cálculo	AISC - LRFD (2016)

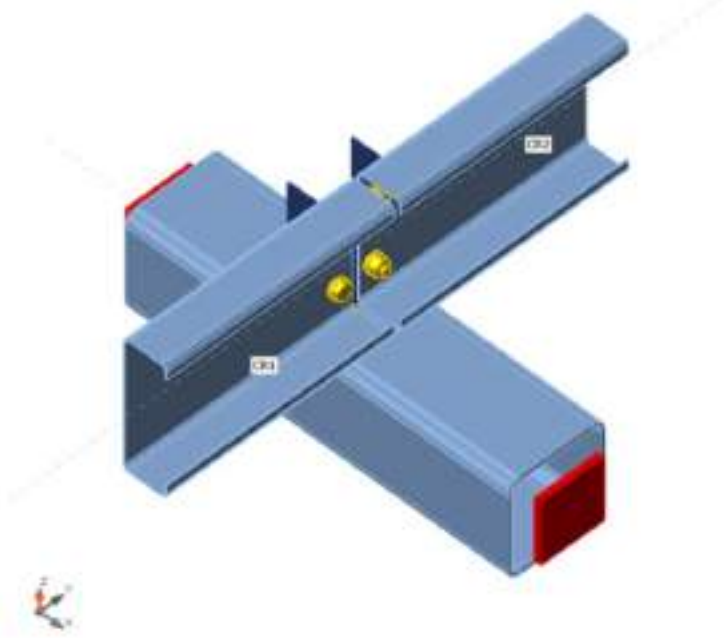
Elementos

Geometría

Nombre	Sección transversal	β – Dirección [°]	γ - Inclinación [°]	α - Rotación [°]	Desplazamiento ex [mm]	Desplazamiento ey [mm]	Desplazamiento ez [mm]
VIGA	32 - TUB 150x150x6mm(RHS150x150)	0.0	0.0	0.0	0	0	0
CR1	34 - PHR 203x67x2.5mm(CFC203x67)	-90.0	0.0	0.0	5	2	180
CR2	34 - PHR 203x67x2.5mm(CFC203x67)	90.0	0.0	0.0	5	-2	180

Apoyos y fuerzas

Nombre	Apoyo	Fuerzas en	X [mm]
VIGA / inicial	N-Vy-Vz-Mx-My-Mz	Nodo	0
VIGA / final	N-Vy-Vz-Mx-My-Mz	Nodo	0
CR1 / final		Tornillos	25
CR2 / final		Tornillos	20



Secciones

Nombre	Material
32 - TUB 150x150x6mm(RHS150x150)	A500, Gr. C, shaped
34 - PHR 203x67x2.5mm(CFC203x67)	A572 Gr.50

Tornillos

Nombre	Conjunto de tornillo	Diámetro [mm]	f_u [MPa]	Área bruta [mm^2]
1/2 Gr 2	1/2 Gr 2	13	414.0	79

Cargas (No se requiere el equilibrio)

Nombre	Elemento	N [kN]	Vy [kN]	Vz [kN]	Mx [kNm]	My [kNm]	Mz [kNm]
LE1	CR1 / Finalizar	0.0	0.0	-6.5	0.0	0.0	0.0
	CR2 / Finalizar	0.0	0.0	-6.5	0.0	0.0	0.0

Verificación

Resumen

Nombre	Valor	Estado de la verificación
Análisis	100.0%	OK
Placas	0.0 < 5.0%	OK
Tornillos	53.8 < 100%	OK
Soldaduras	74.3 < 100%	OK
Pandeo	No calculado	

Placas

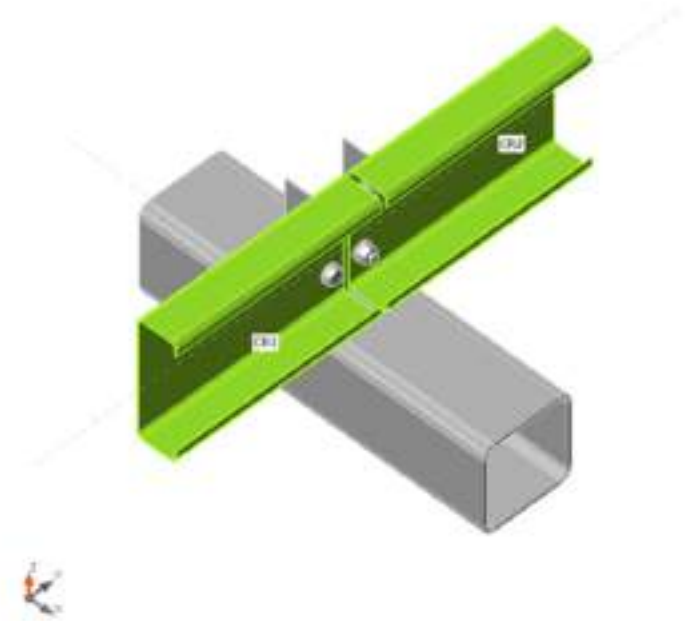
Nombre	Material	t_p [mm]	Cargas	σ_{Ed} [MPa]	ε_{Pl} [%]	$\sigma_{c,Ed}$ [MPa]	Estado
VIGA-w 1	A500, Gr. C, shaped	6.0	LE1	20.5	0.0	0.0	OK
VIGA-arc 1	A500, Gr. C, shaped	6.0	LE1	22.2	0.0	0.0	OK
VIGA-arc 2	A500, Gr. C, shaped	6.0	LE1	22.2	0.0	0.0	OK
VIGA-arc 3	A500, Gr. C, shaped	6.0	LE1	20.8	0.0	0.0	OK
VIGA-w 2	A500, Gr. C, shaped	6.0	LE1	80.6	0.0	0.0	OK
VIGA-arc 4	A500, Gr. C, shaped	6.0	LE1	119.4	0.0	0.0	OK
VIGA-arc 5	A500, Gr. C, shaped	6.0	LE1	121.0	0.0	0.0	OK
VIGA-arc 6	A500, Gr. C, shaped	6.0	LE1	109.9	0.0	0.0	OK
VIGA-w 3	A500, Gr. C, shaped	6.0	LE1	130.3	0.0	0.0	OK
VIGA-arc 7	A500, Gr. C, shaped	6.0	LE1	117.9	0.0	0.0	OK
VIGA-arc 8	A500, Gr. C, shaped	6.0	LE1	126.9	0.0	0.0	OK
VIGA-arc 9	A500, Gr. C, shaped	6.0	LE1	126.1	0.0	0.0	OK
VIGA-w 4	A500, Gr. C, shaped	6.0	LE1	84.3	0.0	0.0	OK
VIGA-arc 10	A500, Gr. C, shaped	6.0	LE1	21.2	0.0	0.0	OK
VIGA-arc 11	A500, Gr. C, shaped	6.0	LE1	22.5	0.0	0.0	OK
VIGA-arc 12	A500, Gr. C, shaped	6.0	LE1	22.3	0.0	0.0	OK
CR1	A572 Gr.50	2.5	LE1	299.8	0.0	0.0	OK
CR2	A572 Gr.50	2.5	LE1	302.3	0.0	0.0	OK
SP 1	A572 Gr.50	2.5	LE1	233.1	0.0	37.7	OK
SP 2	A572 Gr.50	2.5	LE1	237.0	0.0	0.0	OK
SP 3	A572 Gr.50	2.5	LE1	207.8	0.0	0.0	OK

Datos de diseño

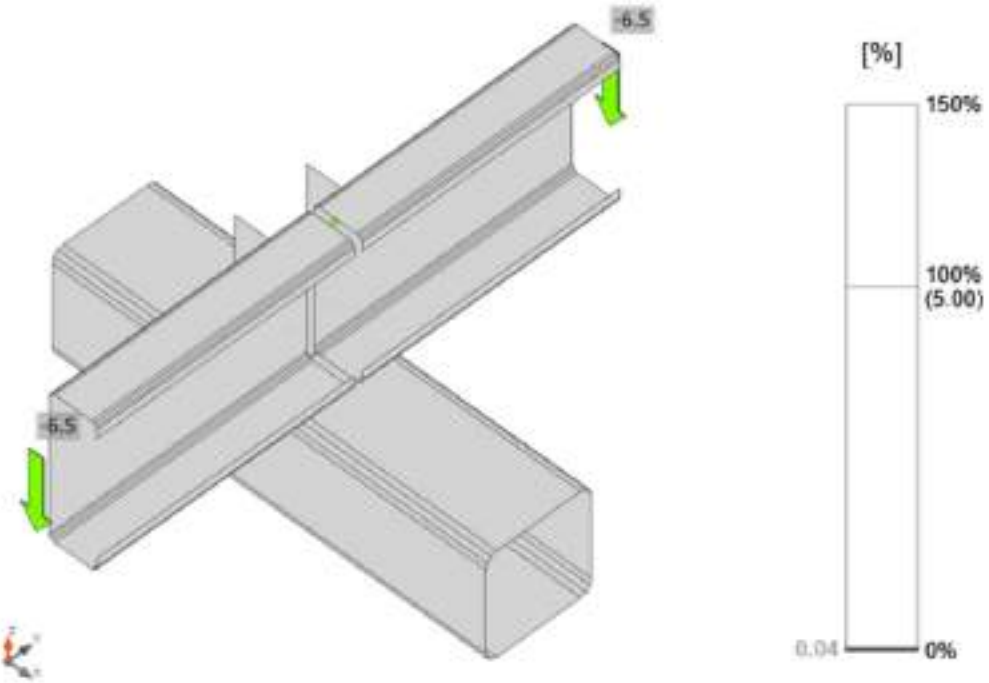
Material	F_y [MPa]	ε_{lim} [%]
A500, Gr. C, shaped	344.7	5.0
A572 Gr.50	344.7	5.0

Explicación del simbolo

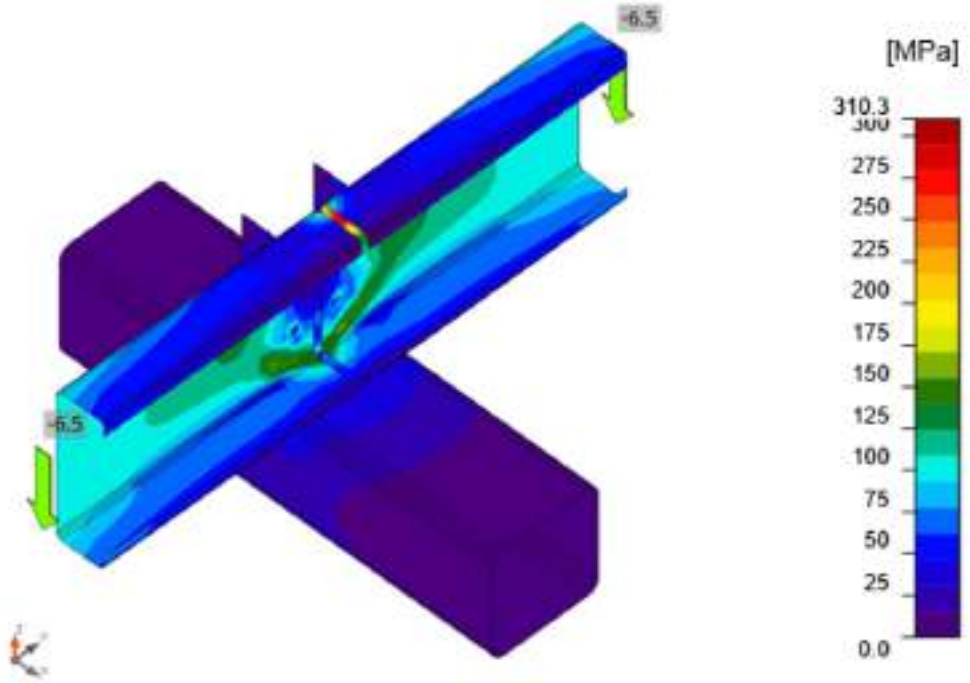
t_p	Espesor de placa
σ_{Ed}	Tensión equivalente
ε_{Pl}	Deformación plástica
$\sigma_{c,Ed}$	Tensiones de Contacto
F_y	Límite elástico
ε_{lim}	Límite de la deformación plástica



Verificación general, LE1

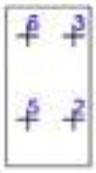


Verificación de deformación, LE1



Tensión equivalente, LE1

Tornillos

Forma	Ítem	Calidad	Cargas	F_t [kN]	V [kN]	$\phi R_{n,portante}$ [kN]	Ut_t [%]	Ut_s [%]	Ut_{ts} [%]	Estado
	B2	1/2 Gr 2 - 1	LE1	3.4	3.5	25.6	18.5	31.5	-	OK
	B3	1/2 Gr 2 - 1	LE1	9.6	3.0	25.6	52.4	27.5	-	OK
	B5	1/2 Gr 2 - 1	LE1	3.1	3.5	25.6	16.6	31.4	-	OK
	B6	1/2 Gr 2 - 1	LE1	9.9	3.0	25.6	53.8	27.6	-	OK

Datos de diseño

Calidad	$\phi R_{n,tracción}$ [kN]	$\phi R_{n,cortante}$ [kN]
1/2 Gr 2 - 1	18.4	11.0

Explicación del simbolo

F_t	Fuerza de tracción
V	Resultante de fuerzas cortantes en pernos Vy y Vz en planos de cortantes
$\phi R_{n,portante}$	Resistencia a aplastamiento de la chapa provocado por el tornillo
Ut_t	Utilización a tracción
Ut_s	Utilización a cortante
Ut_{ts}	Utilización a tensión y cortante
$\phi R_{n,tracción}$	Resistencia a tracción del tornillo - AISC 360-16 – J3.6
$\phi R_{n,cortante}$	Resistencia a cortante del tornillo - AISC 360-16 – J3.6

Soldaduras

Ítem	Borde	Xu	t_w [mm]	w [mm]	L [mm]	L_c [mm]	Cargas	F_n [kN]	ϕR_n [kN]	Ut [%]	Estado
VIGA-w 3	SP 1	E70xx	◢ 2.1 ◣	◢ 3.0 ◣	100	12	LE1	4.4	6.4	68.8	OK
		E70xx	◢ 2.1 ◣	◢ 3.0 ◣	100	12	LE1	5.7	7.6	74.3	OK
SP 1	SP 2	E70xx	-	-	190	-	-	-	-	-	OK
SP 1	SP 3	E70xx	-	-	190	-	-	-	-	-	OK
VIGA-w 3	SP 2	E70xx	◢ 2.1 ◣	◢ 3.0 ◣	50	12	LE1	4.8	8.6	56.1	OK
		E70xx	◢ 2.1 ◣	◢ 3.0 ◣	50	12	LE1	6.2	8.6	72.0	OK
VIGA-w 3	SP 3	E70xx	◢ 2.1 ◣	◢ 3.0 ◣	50	12	LE1	5.5	8.6	63.8	OK
		E70xx	◢ 2.1 ◣	◢ 3.0 ◣	50	12	LE1	4.3	8.6	50.5	OK

Explicación del símbolo

t_w	Espesor de garganta de soldadura
w	Tamaño de la soldadura
L	Longitud de la soldadura
L_c	Longitud del elemento crítico de la soldadura
F_n	Fuerza en el elemento crítico de la soldadura
ϕR_n	Resistencia de la soldadura - AISC 360-16 – J2-4
Ut	Utilización
◢	Cordón de soldadura

Pandeo

El análisis de pandeo no se ha calculado.

Configuración de la norma

Ítem	Valor	Unidad	Referencia
Coeficiente de fricción - hormigón	0.40	-	ACI 349-01 – B.6.1.4
Coeficiente de fricción en la resistencia a deslizamiento	0.30	-	AISC 360-16 – J3.8
Deformación plástica límite	0.05	-	
Detallado	No		
Distancia entre tornillos [d]	2.66	-	AISC 360-16 – J3.3
Distancia entre tornillos y el borde [d]	1.25	-	AISC 360-16 – J.3.4
Resistencia al arrancamiento del cono de hormigón	Ninguno		
Resistencia del metal base en la cara de fusión de la soldadura	No		AISC 360-16 – J2-2
La deformación en el orificio del perno con la carga de servicio es una consideración de diseño	Sí		AISC 360-16 – J3.10
Hormigón fisurado	Sí		ACI 318-14 – 17
Comprobación de la deformación local	No		
Deformación límite local	0.03	-	CIDECT DG 1, 3 - 1.1
No linealidad geométrica (GMNA)	Sí		Grandes deformaciones para secciones huecas

MEMORIA DE CÁLCULOS

CONSTRUCCIÓN DE LA NUEVA PLANTA FÍSICA DEL CENTRO HOSPITAL DEL CORREGIMIENTO DE ROZO, MUNICIPIO DE PALMIRA – VALLE DEL CAUCA

BLOQUE 2

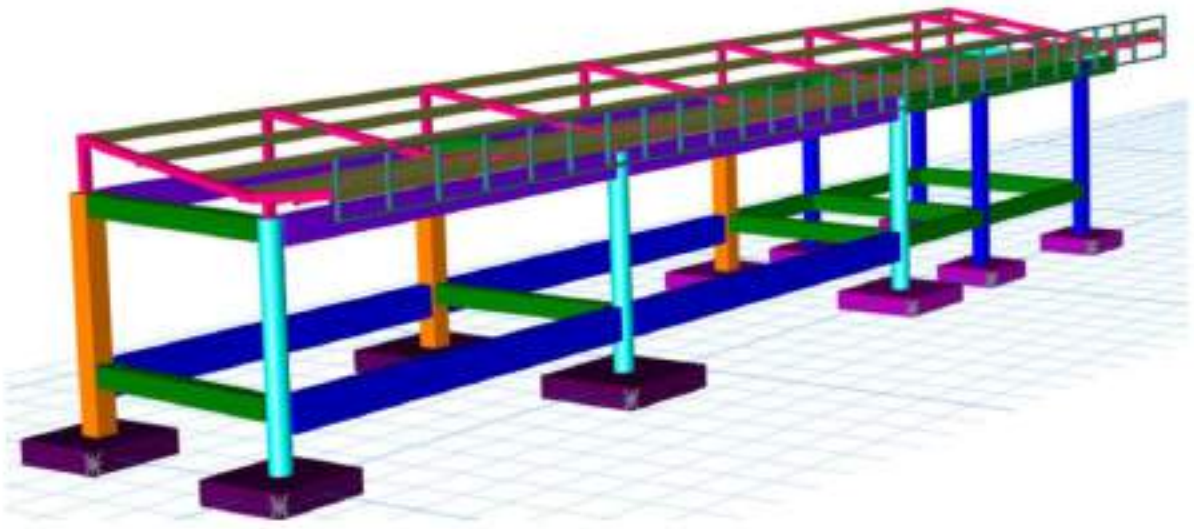
ROZO
PALMIRA - VALLE DEL CAUCA

CONSULTOR: FUNDACIÓN UNIVALLE

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PROYECTO:

CONSTRUCCIÓN DE LA NUEVA PLANTA FÍSICA DEL CENTRO HOSPITAL DEL CORREGIMIENTO DE ROZO, MUNICIPIO DE PALMIRA – VALLE DEL CAUCA

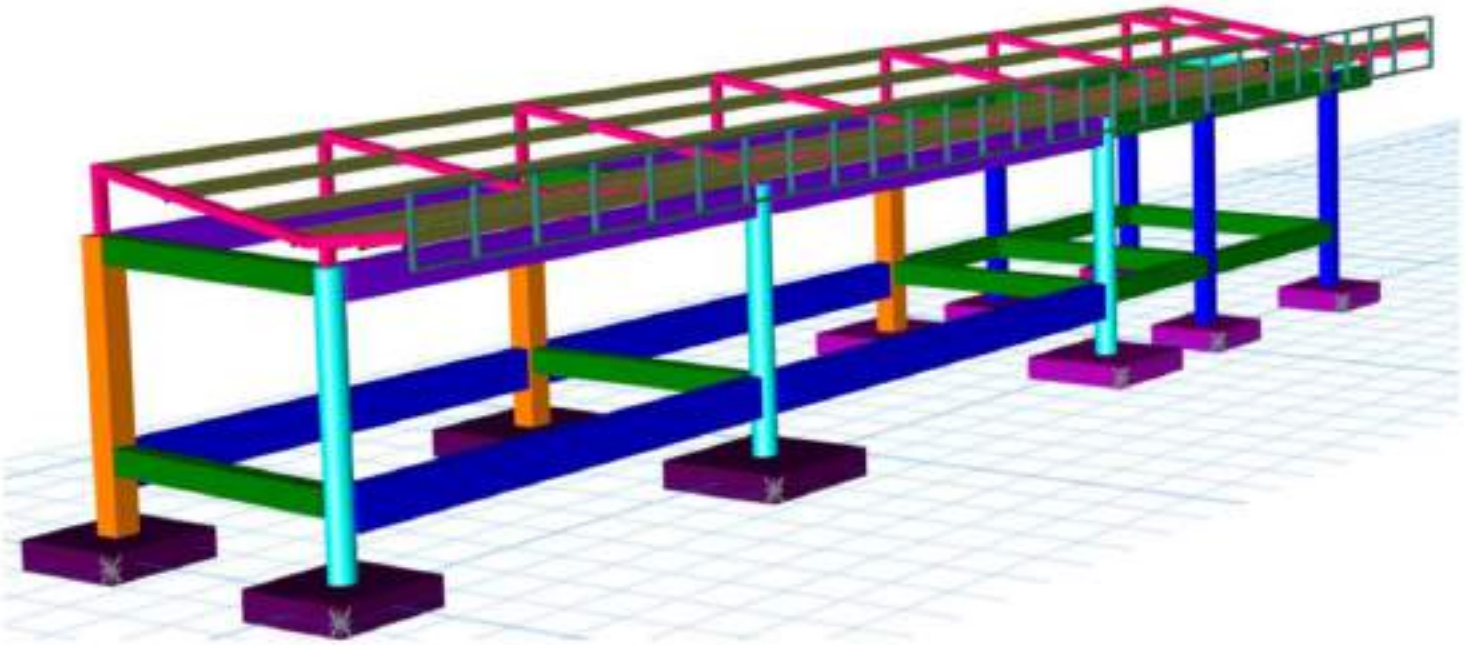


PALMIRA – VALLE DEL CAUCA

Agosto de 2025

ÍNDICE DE MODIFICACIONES

Índice de revisión	Capitulo Modificado	Fecha de modificación	Observaciones
V1	-	Agosto 25 de 2025	Primera emisión
V2	-	Septiembre 15 de 2025	Ajustes a observaciones de revisión externa.



MODELO 3D

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ANEXO F – DISEÑO DE ELEMENTOS METÁLICOS Y CONEXIONES

1 OBJETIVO Y ALCANCE

1.1 OBJETIVO

Diseñar y dimensionar la estructura del Bloque 2 del Centro Hospital de Rozoo, garantizando el cumplimiento de los requisitos de seguridad, funcionalidad y normativa vigente. El diseño estructural se desarrollará con base en la información proporcionada por el estudio de suelos, el proyecto arquitectónico y demás especificaciones técnicas, considerando las acciones gravitacionales y laterales, y aplicando los lineamientos establecidos en la Norma Colombiana de Diseño y Construcción Sismo Resistente (NSR-10).

1.2 ALCANCE

El alcance del presente proyecto comprende la elaboración de los diseños estructurales definitivos del Bloque 2 correspondiente al CES ROZO. Dichos diseños atenderán criterios de resistencia, estabilidad, seguridad, funcionalidad constructiva y servicio, cumpliendo con lo establecido en el Reglamento Colombiano de Construcción Sismo Resistente NSR-10, así como con las recomendaciones derivadas del estudio de suelos y las condiciones particulares del proyecto arquitectónico.

2 GENERALIDADES

2.1 DESCRIPCIÓN DE LA ESTRUCTURA

- La estructura se ha proyectado en concreto reforzado, con un sistema de pórticos resistentes a momento, el cual es responsable de resistir tanto las cargas verticales como las fuerzas sísmicas horizontales. Este sistema proporciona una adecuada rigidez lateral y capacidad de disipación de energía, cumpliendo con los requisitos establecidos por el Reglamento Colombiano de Construcción Sismo Resistente NSR-10 para edificaciones esenciales.

- La cubierta está compuesta por vigas tubulares de acero estructural, correas en lámina delgada tipo "perlín" y teja termoacústica.

- La cimentación es de tipo superficial, compuesta por zapatas aisladas y vigas de amarre, diseñadas conforme a las recomendaciones del estudio de suelos.

2.2 CARACTERÍSTICAS GENERALES

Localización:	Rozo - Palmira, Valle del Cauca
Sistema estructural:	Porticos de concreto reforzado
Uso proyectado:	Institucional (Salud)
Número de pisos:	1 Pisos

2.3 ESTUDIOS COMPLEMENTARIOS

Proyecto arquitectónico:	ESTUDIO UN S.A.S. BIC
Estudio de suelos:	LABCON

2.4 NORMA DE DISEÑO

En este numeral se citan los diferentes códigos, normas y estándares que se aplicaran al diseño de edificaciones, de acuerdo a la normativa vigente nacional.

- Reglamento colombiano de Diseño Sismo Resistente NSR-10 - Ley 1229 de 2008.
  - Decreto 926 de 2010
  - Decreto 092 de 2011
  - Decreto 340 de 2012
  - Decreto 945 de 2017
  - Decreto No. 2113 de 2019
  - Decreto Nol 1711 de 2021
  - Decreto No. 1401 de 2023

2.5 MATERIALES

2.5.1 ACERO ESTRUCTURAL

Los elementos de acero estructural deben cumplir con las especificaciones contenidas por el literal F.2.1.5.1 de la NSR-10 y las normas ASTM correspondientes:

• Perfiles W, IPE, HE y Platinas	ASTM A572 Gr.50	f_y = 3515 kg/cm^2
• Perfiles tubulares circulares	ASTM A500 Gr.C	f_y = 3241 kg/cm^2
• Perfiles rectangulares	ASTM A500 Gr.C	f_y = 3515 kg/cm^2
• Ángulos y Canales	ASTM A572 Gr.50	f_y = 3515 kg/cm^2
• Anclajes	ASTM A193 Gr. B7	f_y = 8788 kg/cm^2
• Pernos	ASTM A325	f_y = 8436 kg/cm^2
• Soldadura	E70XX	

2.5.2 ACERO DE REFUERZO

• Barras corrugadas	ASTM A706M	f_y = 4200 kg/cm^2

De acuerdo al literal C.8.5.2 de la NSR-10 se define el módulo de elasticidad del acero de refuerzo Es como 2'030,000 kg/cm^2

2.5.3 CONCRETO

• Cimentación	f'_c = 280 kg/cm^2
• Columnas, vigas y losas	f'_c = 280 kg/cm^2

De acuerdo al literal C.8.5.1 de la NSR-10 se define el módulo de elasticidad del concreto de acuerdo a la resistencia a la compresión usada. $E_c = 15100\sqrt{f'_c}$

2.5.4 MORTEROS

• Mortero de pega	NTC 3329	f'_{cr} = 175 kg/cm^2
• Mortero de relleno	NTC 4048	f'_{cr} = 125 kg/cm^2

De acuerdo a los literales D.3.4 y D.3.5 de la NSR-10 se define la resistencia de los morteros a emplear en los muros de mampostería.

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contacto@fundacionunivalle.org

2.5.5 MAMPOSTERÍA

- Perforación vertical $f'_m = 88\ kg/cm^2$ $E_m = 65725\ kg/cm^2$

De acuerdo al literal D.5.2.1.2 de la NSR-10 se define el módulo de elasticidad del concreto de acuerdo a la resistencia a la compresión usada. $E_m = 750\ f'_m$

3 PARÁMETROS DE ANÁLISIS Y DISEÑO

3.1 ANÁLISIS ESTRUCTURAL

El modelo analítico de la estructura se desarrolla en el programa ETABS, un software de análisis por elementos finitos. En él se emplean elementos tipo Frame para representar vigas y columnas, y elementos tipo Shell bidimensionales (de tres o cuatro nodos) para modelar losas y muros.

La modelación incluye, desde su inicio, la definición de la geometría, propiedades de los materiales y las acciones a las que estará sometida la estructura. Los materiales como acero, concreto y mampostería se consideran isotrópicos y elásticos lineales, obedeciendo la ley de Hooke.

Las uniones entre elementos estructurales se asumen rígidas. Las columnas se modelan con apoyos tipo empotramiento, mientras que los muros se apoyan de forma articulada para permitir rotación en su eje débil, restringiendo completamente sus desplazamientos.

Las cargas gravitacionales (muertas y vivas) se consideran permanentes, mientras que las acciones sísmicas se definen mediante un espectro elástico de aceleraciones, del cual se derivan fuerzas horizontales sobre la estructura.

Una vez definidos estos parámetros, se realiza el análisis estructural mediante el método matricial elástico, determinando la rigidez global del sistema, compuesta por las rigideces individuales de los elementos Frame y Shell. Posteriormente, se ejecuta un análisis modal para obtener las propiedades dinámicas de la estructura, seguido de un análisis espectral modal conforme a lo establecido en el Capítulo A.5 de la NSR-10. Este análisis permite determinar desplazamientos, reacciones y esfuerzos internos requeridos para el diseño estructural de la edificación.

3.2 SISTEMA ESTRUCTURAL

El sistema estructural de resistencia sísmica de la edificación se clasifica como un sistema de pórticos resistentes a momentos en concreto reforzado, conforme a lo establecido en el Reglamento Colombiano de Construcción Sismo Resistente (NSR-10), que define cada sistema según los tipos de elementos verticales utilizados para resistir las fuerzas sísmicas y el grado de capacidad de disipación de energía del material estructural empleado.

A.3.2.1.3 Sistema de pórtico — Es un sistema estructural compuesto por un pórtico espacial, resistente a momentos, esencialmente completo, sin diagonales, que resiste todas las cargas verticales y fuerzas horizontales.

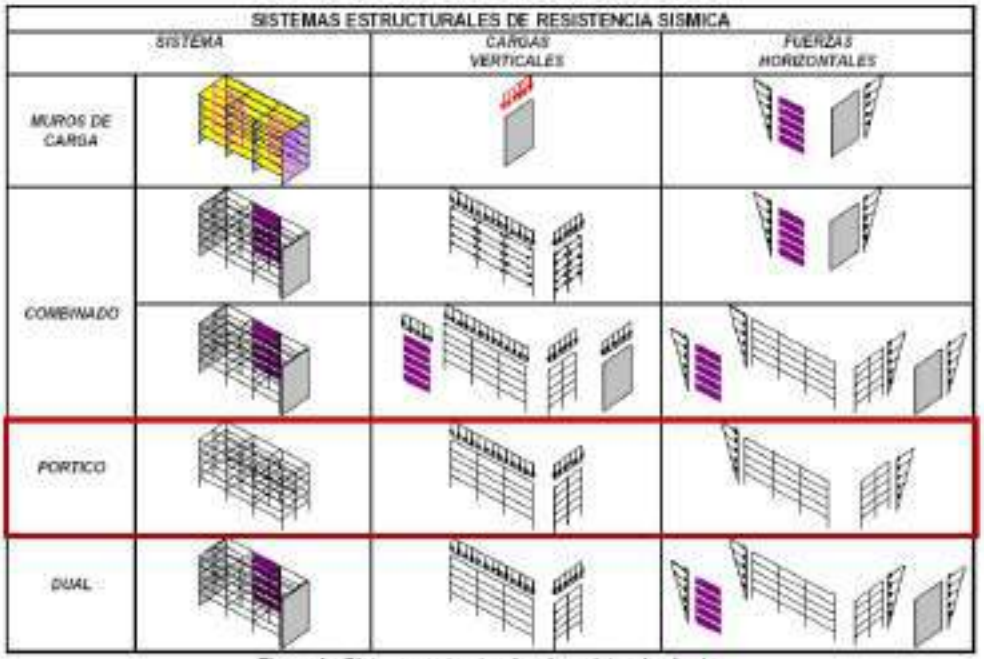


Figura 4 - Sistemas estructurales de resistencia sísmica

3.3 CAPACIDAD DE DISIPACIÓN DE ENERGÍA

De acuerdo con el sistema estructural, la calidad de los materiales y con la capacidad de disipación de energía exigida por el código para cada una de las regiones, se determina el coeficiente de modificación de respuesta Ro de acuerdo a la tabla A. 3-2 de la norma NSR-10.

3.3.1 COEFICIENTE DE CAPACIDAD DE DISIPACIÓN DE ENERGÍA BÁSICO Ro

Por ser una estructura localizada en una zona sísmica alta, se deben seguir las recomendaciones y límites establecidos en la norma NSR-10. Para este caso, se configura un sistema de pórticos resistentes a momentos se le asigna un valor de disipación de energía básico Ro = 7 de acuerdo a la tabla A.3.3 de la NSR-10.

C. SISTEMA DE PÓRTICO RESISTENTE A MOMENTOS		Valor R_0 (Nota 2)	Valor Ω_0 (Nota 4)	zonas de amenaza sísmica					
				Alta		Intermedia		baja	
Sistema resistencia sísmica (fuerzas horizontales)	Sistema resistencia para cargas verticales			uso permit	altura máx.	uso permit	altura máx.	uso permit	altura máx.
1. Pórticos resistentes a momentos con capacidad especial de disipación de energía (DES)									
a. De concreto (DES)	el mismo	7.0	3.0	si	sin límite	si	sin límite	si	sin límite

3.3.2 COEFICIENTE DE SOBRERRESISTENCIA Ωo

Coeficiente que depende del material estructural y el grado de disipación de energía que requieren los elementos frágiles o las conexiones de una edificación. De acuerdo a la tabla A.3-3. el coeficiente de sobre resistencia para un sistema estructural combinado concreto reforzado (DES) es igual a Ωo = 3.0

4 CARGAS Y COMBINACIONES

4.1 CARGAS VERTICALES

Las cargas empleadas para el análisis y diseño de la estructura son las siguientes:

4.1.1 CARGAS MUERTAS (D)

Corresponde al peso propio de la estructura y el peso de los elementos que permanecerán fijos durante su uso (cargas permanentes o comunes).

Tipo: Teja termoacústica
Perlines: PHR C 160x60x2.5mm
Separación: S_{max} = 1.5m



- Cargas por unidad de área

Peso teja		5.0	Kg /m2
Correas		4.0	Kg /m2
Cielo en panel yeso mas entramado		15.0	Kg /m2
Instalaciones (Luminarias-Ductería de red contra incendio)		10.0	Kg /m2
CARGA MUERTA :	**WDL =**	34	Kg/m2

4.1.2 CARGAS VIVAS DE TECHADO (Lr)

Corresponden a aquellas cargas no permanentes que recurren en la cubierta de manera frecuente y se definen de acuerdo a su tipo, inclinación y uso.

Tabla B.4.2.1-2
Inclinación cubierta θ = 10° < 15° W_{Lr} = 50 Kg/m²

4.2 CARGAS DE VIENTO (W)

Son aquellas cargas a las que estará sometida la estructura, debidas a la presión del viento (*Ver anexo A*).

Procedimiento analítico capitulo B.6.

Presión negativa máxima Zonas 1, 2 & 3	W_{W-} =	87.1 Kg/m²
Presión positiva Zonas 1, 2 & 3	W_{W+} =	60 Kg/m²

4.3 CARGA SÍSMICA (E)

4.4 ESPECTRO DE DISEÑO (A.2.6)

Son aquellas cargas producidas por movimientos sísmicos que para efectos de análisis se obtienen por medio de un espectro elástico de pseudo-aceleraciones.

- Ciudad:	Palmira (Rozo)
- Perfil de Suelo:	Perfil Tipo E
- Aceleración pico efectiva	A_a (g): 0.25
- Velocidad pico efectiva	A_v (g): 0.20
- Coeficiente de amplificación aceleración periodos cortos F_a:	1.45
- Coeficiente de amplificación periodos intermedios	F_v: 3.2
- Grupo de uso para centros de enseñanza	Grupo II
- Coeficiente de importancia:	I: 1.1

La edificación Bloque 2 se clasificó dentro del Grupo de Ocupación II.

A.2.5.1.3 — *Grupo* II — *Estructuras de ocupación especial* — Cubre las siguientes estructuras:

(a) Edificaciones en donde se puedan reunir más de 200 personas en un mismo salón,
(b) Graderías al aire libre donde pueda haber más de 2000 personas a la vez,
(c) Almacenes y centros comerciales con más de 500 m² por piso,
(d) Edificaciones de hospitales, clínicas y centros de salud, no cubiertas en A.2.5.1.1.
(e) Edificaciones donde trabajen o residan más de 3000 personas, y
(f) Edificios gubernamentales.

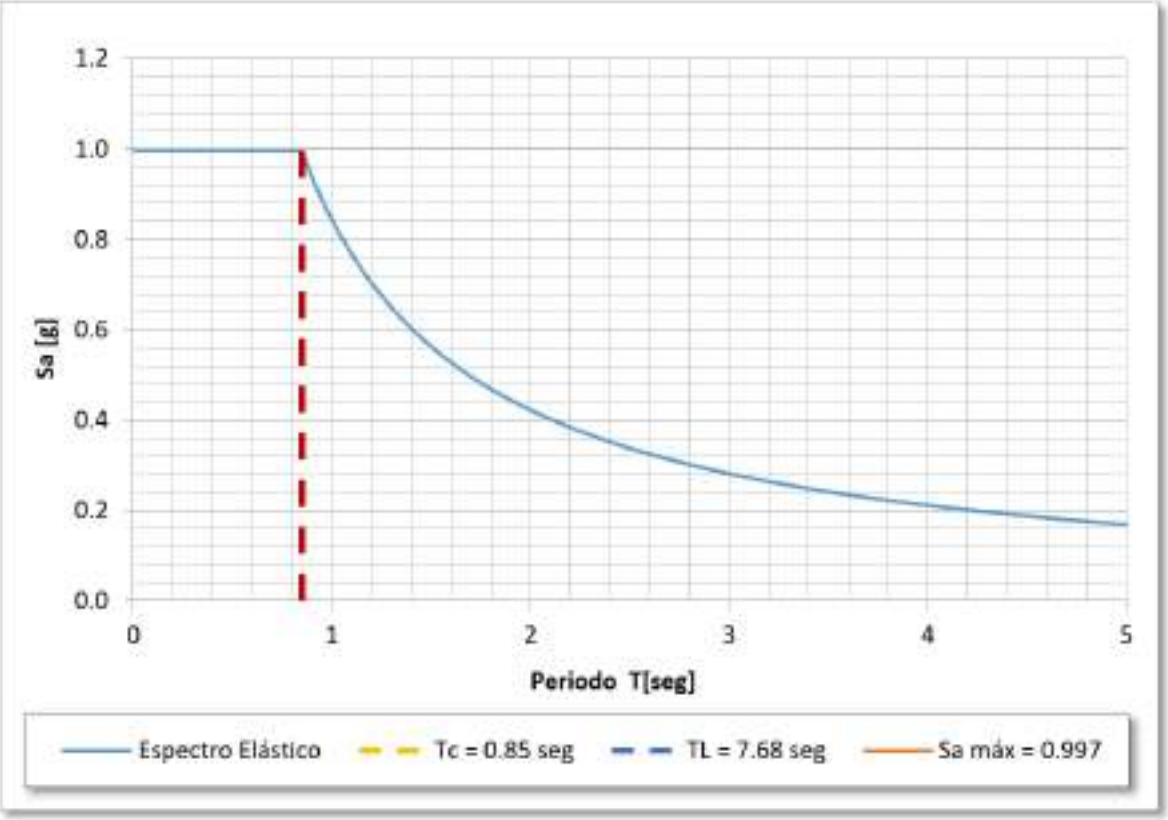


Figura 1. Espectro de diseño elástico

4.5 COMBINACIONES DE CARGAS

El diseño de las estructuras, sus componentes y cimentaciones debe hacerse de tal forma que sus resistencias de diseño igualen o excedan los efectos producidos por las cargas mayoradas en las siguientes combinaciones:

4.5.1 CONDICIONES DE SERVICIO (CARGAS NO MAYORADAS)

B.2.3-1	1.0D
B.2.3-2	1.0D + 1.0H + 1.0L + 1.0T
B.2.3-3	1.0D + 1.0H + 1.0Lr
B.2.3-4	1.0D + 1.0H + 0.75L + 0.75Lr
B.2.3-5	1.0D + 1.0H + 1.0W(+)
B.2.3-6	1.0D + 1.0H + 0.70Ex+0.21Ey
	1.0D + 1.0H + 0.70Ex-0.21Ey
	1.0D + 1.0H - 0.70Ex+0.21Ey
	1.0D + 1.0H - 0.70Ex-0.21Ey
	1.0D + 1.0H + 0.21Ex+0.70Ey
	1.0D + 1.0H + 0.21Ex-0.70Ey
	1.0D + 1.0H - 0.21Ex+0.70Ey
	1.0D + 1.0H - 0.21Ex-0.70Ey
B.2.3-7	1.0D + 1.0H + 0.75L + 0.75Lr + 0.75W(+)
B.2.3-8	1.0D + 1.0H + 0.75L + 0.75Lr + 0.52Ex + 0.16Ey
	1.0D + 1.0H + 0.75L + 0.75Lr + 0.52Ex - 0.16Ey
	1.0D + 1.0H + 0.75L + 0.75Lr - 0.52Ex + 0.16Ey
	1.0D + 1.0H + 0.75L + 0.75Lr - 0.52Ex - 0.16Ey
	1.0D + 1.0H + 0.75L + 0.75Lr + 0.16Ex + 0.52Ey
	1.0D + 1.0H + 0.75L + 0.75Lr + 0.16Ex - 0.52Ey
	1.0D + 1.0H + 0.75L + 0.75Lr - 0.16Ex + 0.52Ey
	1.0D + 1.0H + 0.75L + 0.75Lr - 0.16Ex - 0.52Ey
B.2.3-9	0.6D + 1.0H + 1.00W(+)
B.2.3-10	0.6D + 1.0H + 0.70E

4.5.2 CONDICIONES ÚLTIMAS (CARGAS MAYORADAS)

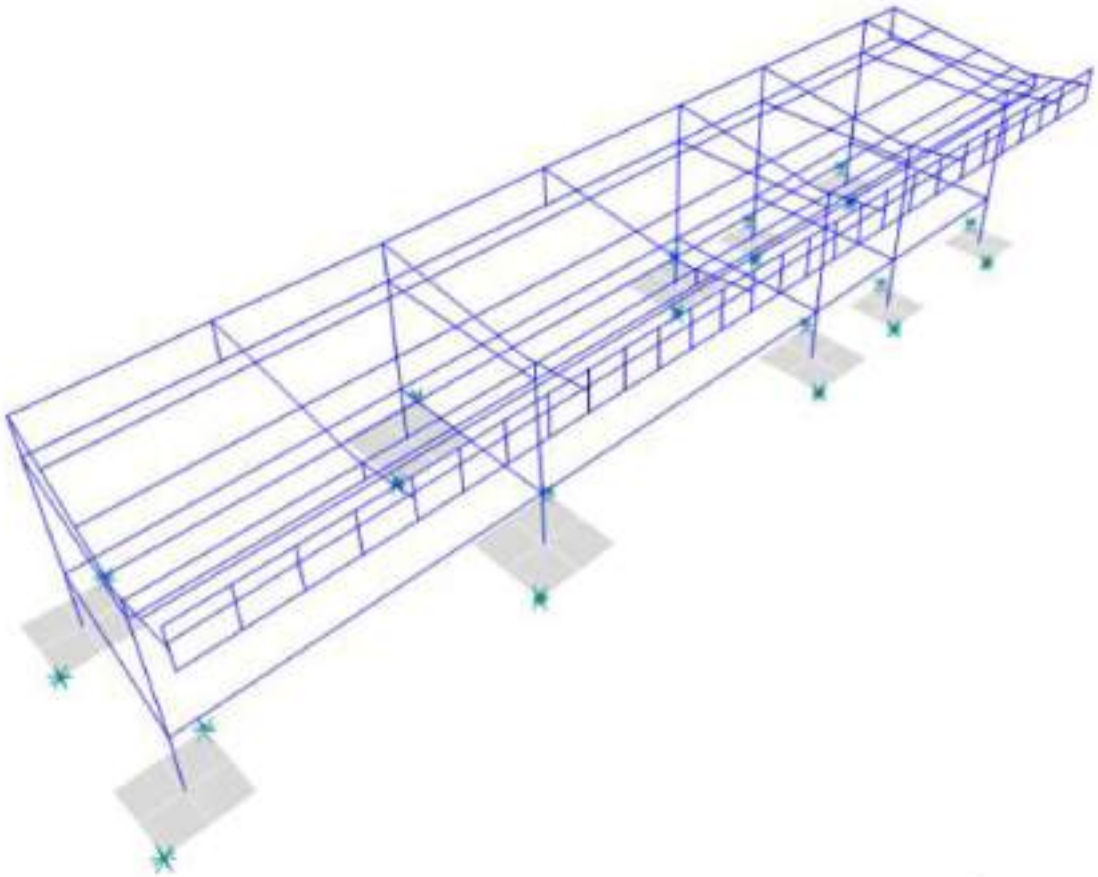
B.2.4-1	1.4D
B.2.4-2	1.2D + 1.6L + 0.5Lr
B.2.4-3	1.2D + 1.0L + 1.6Lr + 0.5W(+)
B.2.4-4	1.2D + 1.0L + 0.5Lr + 1.0W(+)
B.2.4-5	1.2D + 1.0L + 1.0Ex + 0.3Ey
	1.2D + 1.0L + 1.0Ex - 0.3Ey
	1.2D + 1.0L - 1.0Ex + 0.3Ey
	1.2D + 1.0L - 1.0Ex - 0.3Ey
	1.2D + 1.0L + 0.3Ex + 1.0Ey
	1.2D + 1.0L + 0.3Ex - 1.0Ey
	1.2D + 1.0L - 0.3Ex + 1.0Ey
	1.2D + 1.0L - 0.3Ex - 1.0Ey
B.2.4-6	0.9D + 1.0W(-)
B.2.4-7	0.9D + 1.0Ex + 0.3Ey
	0.9D + 1.0Ex - 0.3Ey
	0.9D - 1.0Ex + 0.3Ey
	0.9D - 1.0Ex - 0.3Ey
	0.9D + 0.3Ex + 1.0Ey
	0.9D + 0.3Ex - 1.0Ey
	0.9D - 0.3Ex + 1.0Ey
	0.9D - 0.3Ex - 1.0Ey

5 MODELO DIGITAL

Para el análisis y diseño de los elementos que conforman la edificación se utilizó el software de elementos finitos Etabs V18. de la compañia Computers and Structures, Inc.

A continuación, se presenta informe con los datos de entrada bajo los cuales se realiza el modelo digital.

ETABS® version 18



Resumen

1 Structure Data

1.1 Story Data

Table 1.1 - Story Definitions

Tower	Name	Height m	Master Story	Similar To	Splice Story	Color
B2	CB	1	No	None	No	Orange
B2	NV	3	No	None	No	Gray8Dark
B2	Piso 1	1.5	No	None	No	Gray8Dark

2 Loads

2.1 Load Patterns

Table 2.1 - Load Pattern Definitions

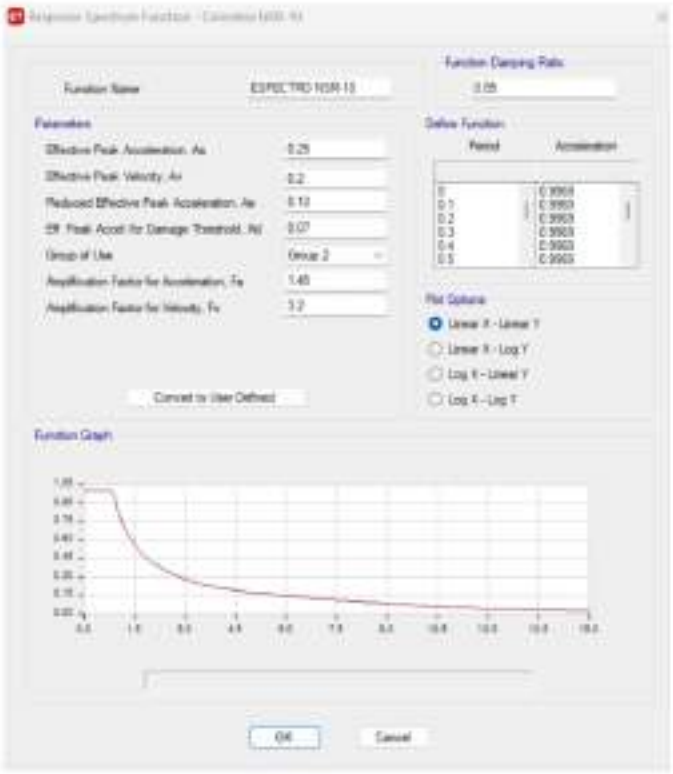
Name	Is Auto Load	Type	Self Weight Multiplier	Auto Load
~EXECC	Yes	Other	0	
~INEXECC	Yes	Other	0	
~INEYECC	Yes	Other	0	
~LLRF	Yes	Other	0	
~SeismicEXECC	Yes	Other	0	
~SXECC	Yes	Other	0	
~SYECC	Yes	Other	0	
Dead	No	Dead	1	
F	No	Other	0	
H	No	Other	0	
Live	No	Live	0	
Lr	No	Roof Live	0	
SuperDead	No	Super Dead	0	
T	No	Other	0	
Wx (-)	No	Wind	0	None
Wx (+)	No	Wind	0	None
Wy (-)	No	Wind	0	None
Wy (+)	No	Wind	0	None
Wz (-)	No	Wind	0	None
Wz (+)	No	Wind	0	None

2.2 Functions

2.2.1 Response Spectrum Functions

Table 2.2 - Functions - Response Spectrum - User Defined

Name	Period sec	Value	Aa	Av	Ae	Ad	Group of Use	Fa	Fv	Damping Ratio
ESPECTRO NSR-10	0	0.996875	0.25	0.2	0.12	0.07	2	1.45	3.2	0.05
ESPECTRO NSR-10	0.1	0.996875								
ESPECTRO NSR-10	0.2	0.996875								
ESPECTRO NSR-10	0.3	0.996875								
ESPECTRO NSR-10	0.4	0.996875								
ESPECTRO NSR-10	0.5	0.996875								
ESPECTRO NSR-10	0.6	0.996875								
ESPECTRO NSR-10	0.7	0.996875								
ESPECTRO NSR-10	0.8	0.996875								
ESPECTRO NSR-10	0.9	0.938667								
ESPECTRO NSR-10	1	0.8448								
ESPECTRO NSR-10	1.2	0.704								
ESPECTRO NSR-10	1.5	0.5632								
ESPECTRO NSR-10	1.7	0.496941								
ESPECTRO NSR-10	2	0.4224								
ESPECTRO NSR-10	2.5	0.33792								
ESPECTRO NSR-10	3	0.2816								
ESPECTRO NSR-10	3.5	0.241371								
ESPECTRO NSR-10	4	0.2112								
ESPECTRO NSR-10	5	0.16896								
ESPECTRO NSR-10	8	0.101376								
ESPECTRO NSR-10	11	0.05362								
ESPECTRO NSR-10	15	0.028636								



2.3 Load Cases

Table 2.3 - Load Case Definitions - Summary

Name	Type
Modal	Modal - Eigen
Dead	Linear Static
Live	Linear Static
SuperDead	Linear Static
Lr	Linear Static
F	Linear Static
H	Linear Static
T	Linear Static
$Seismic_{XY}$	Response Spectrum
E_{XY}	Response Spectrum
Wx (+)	Linear Static
Wx (-)	Linear Static
Wy (+)	Linear Static
Wy (-)	Linear Static
Wz (+)	Linear Static
Wz (-)	Linear Static
SX	Response Spectrum
SY	Response Spectrum

Name	Type
INEX	Response Spectrum
INEY	Response Spectrum

3.1 Properties

2.1 Materials

Table 2.1 - Material Properties - General

Material	Type	SymType	Grade	Color	Notes
A416Gr270	Tendon	Uniaxial	Unknown	Gray8Dark	
A572Gr50	Steel	Isotropic	Grade 50	Red	
A615Gr60	Rebar	Uniaxial	Unknown	Magenta	
A653SQGr50	ColdFormed	Isotropic	SQ Grade 50	Blue	
A706Gr60	Rebar	Uniaxial	Grade 60	Yellow	
ASTM A500 Gr. C	Steel	Isotropic	Grade 50	Magenta	
f'c=280kg/cm2	Concrete	Isotropic	Unknown	Cyan	

4.2 Frame Loads

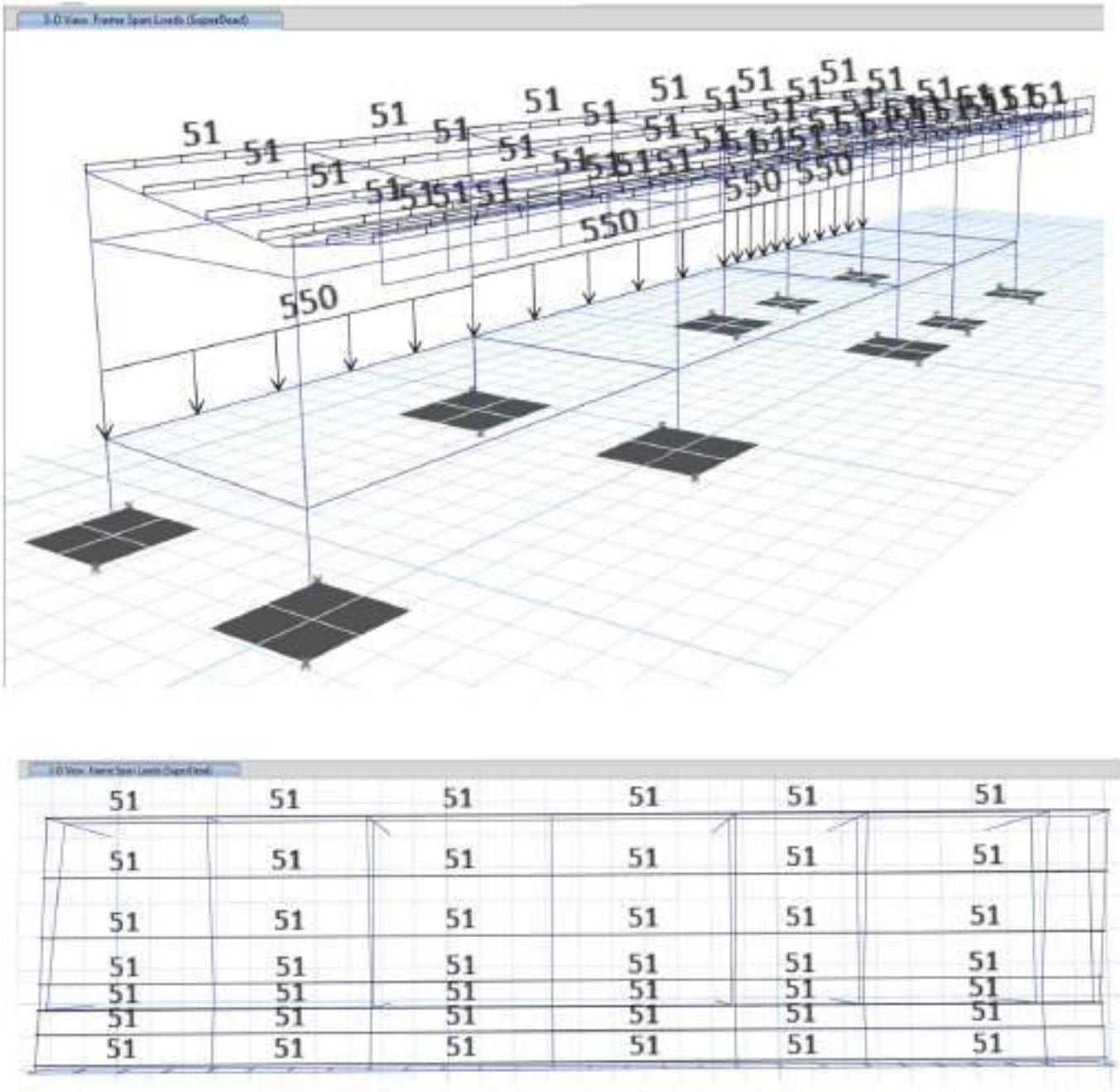


Figura 2. Carga sobreimpuesta sobre cubierta.

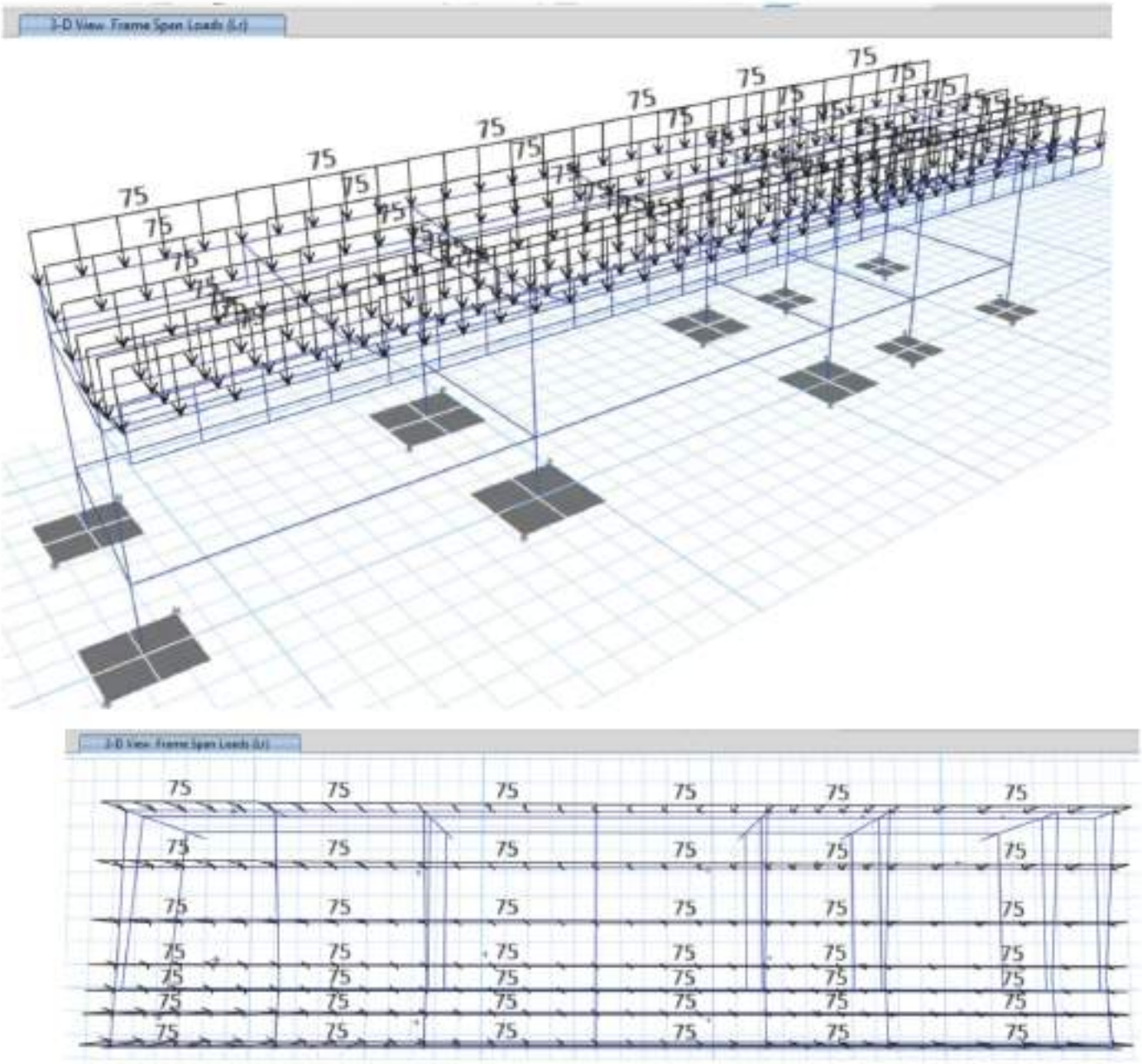


Figura 3. Carga viva sobre cubierta.

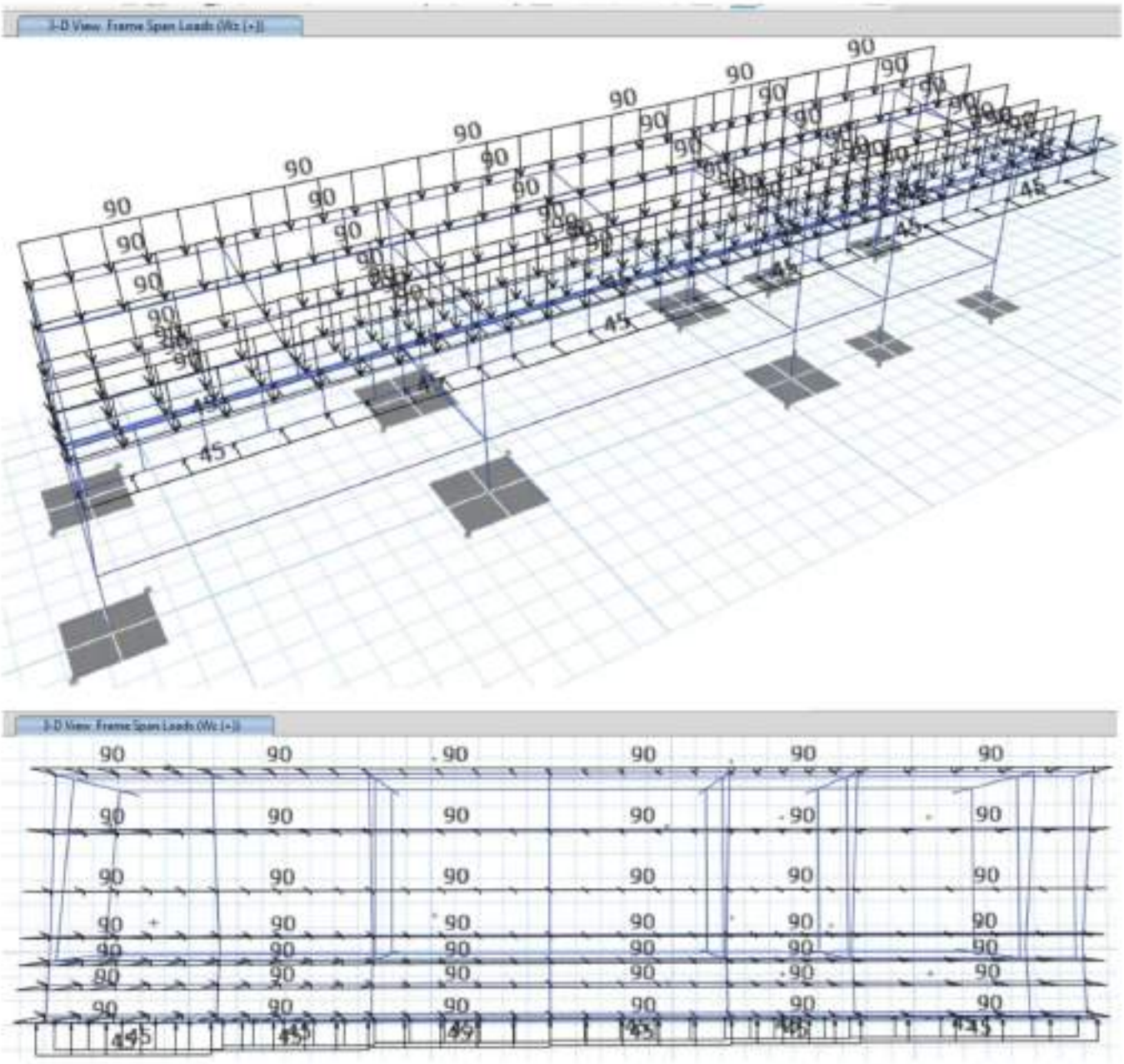


Figura 4. Carga de viento de compresión sobre cubierta.

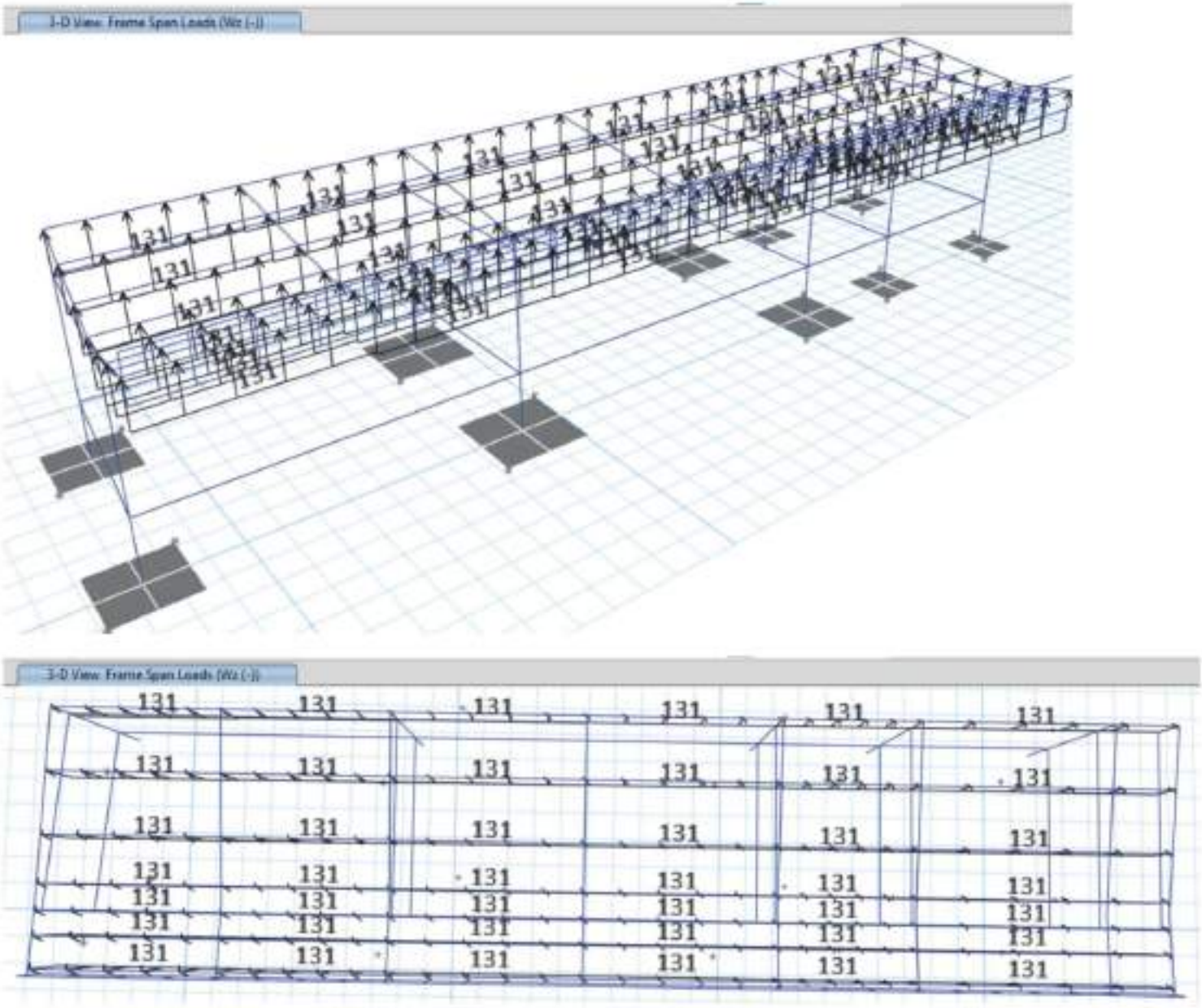


Figura 5. Carga de viento de succión sobre cubierta.

6 ANÁLISIS SÍSMICO

6.1 TIPO DE ANÁLISIS

El análisis sísmico realizado corresponde al método de Análisis Modal Elástico Espectral, según lo establecido en el Capítulo A.5.4 de la norma NSR-10. Para la excitación sísmica se utilizó el espectro de diseño definido en el Título A de dicha norma. En el modelo estructural, se asumieron diafragmas rígidos en las losas, considerando sus características de material, tipología y configuración geométrica.

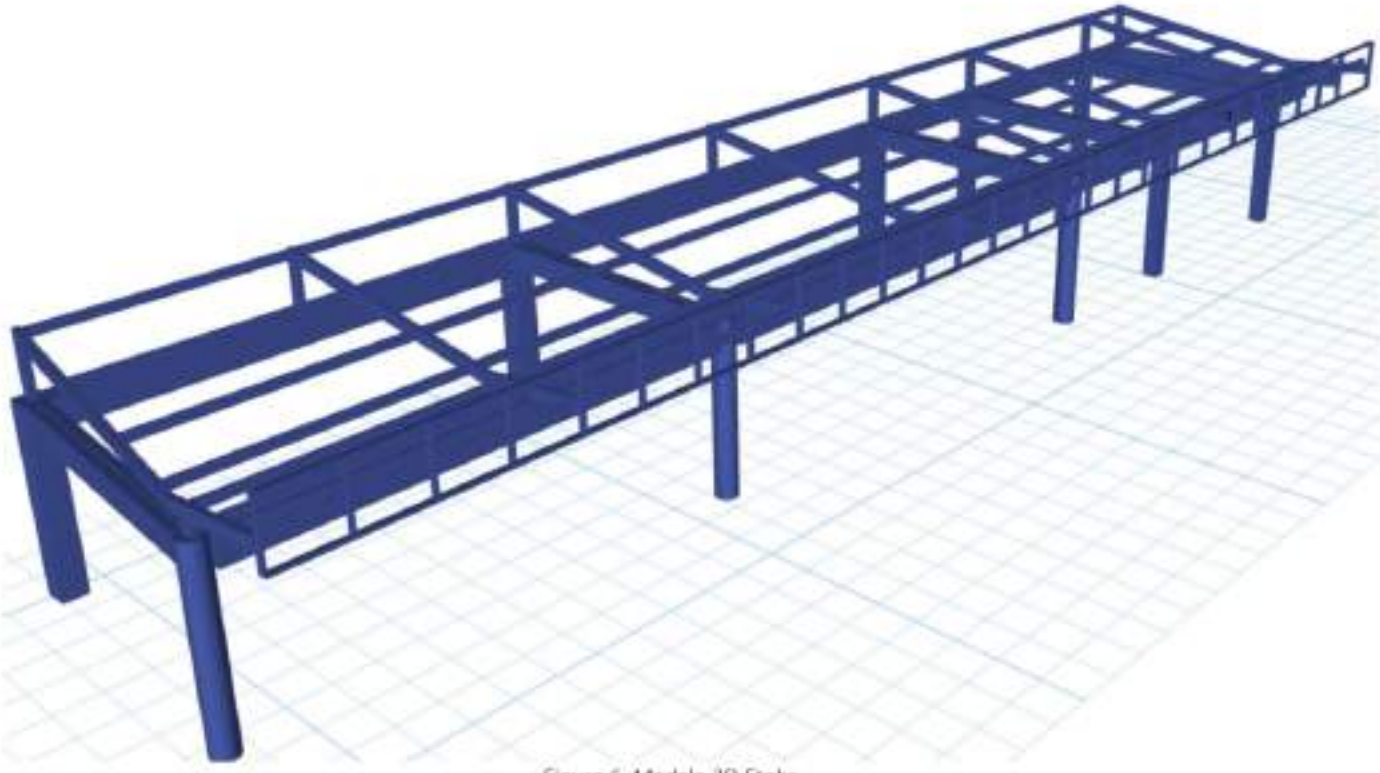


Figura 6. Modelo 3D Etabs

6.2 IRREGULARIDADES

La regularidad o irregularidad de la edificación, tanto en planta como en alzado, se define siguiendo los preceptos de las tablas A.3-6 y A.3-7 de la NSR-10, y su grado de redundancia o de ausencia de ella en el sistema estructural de resistencia sísmica, se define de acuerdo al literal A.3.3.8.

6.2.1 IRREGULARIDADES EN PLANTA ϕ_p

1aP - Irregularidad torsional — La irregularidad torsional existe cuando en una edificación con diafragma rígido, la máxima deriva de piso de un extremo de la estructura, calculada incluyendo la torsión accidental y medida perpendicularmente a un eje determinado, es más de 1.2 y menor o igual a 1.4 veces la deriva promedio de los dos extremos de la estructura, con respecto al mismo eje de referencia.
(ϕ_p: 0.9)

CHEQUEA	Si

1bP - Irregularidad torsional extrema — La irregularidad torsional extrema existe cuando en una edificación con diafragma rígido, la máxima deriva de piso de un extremo de la estructura, calculada incluyendo la torsión accidental y medida perpendicularmente a un eje determinado, es más de 1.4 veces la deriva promedio de los dos extremos de la estructura, con respecto al mismo eje de referencia.
(ϕ_p: 0.8)

CHEQUEA	SI

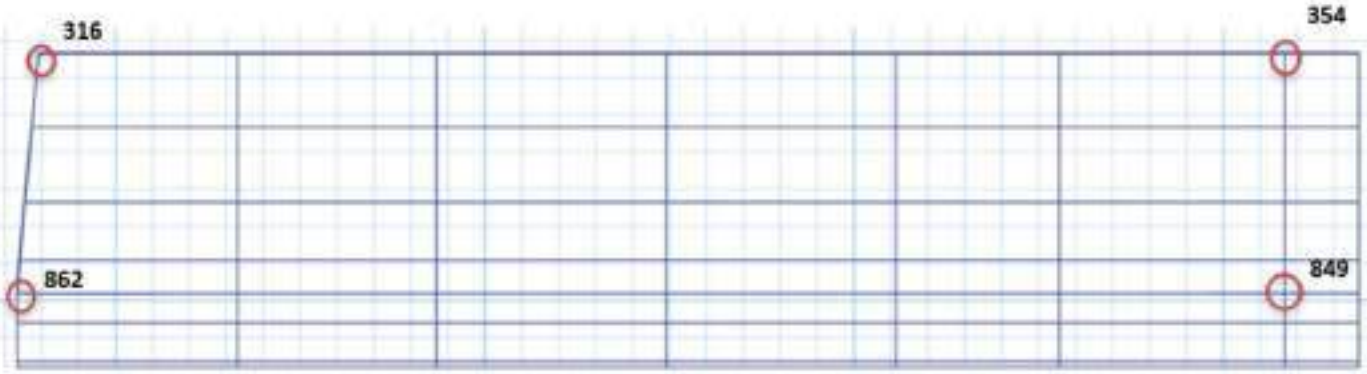


Figura 7 Nodos seleccionados para Irregularidad torsional

SISMO EN X **Δ: Deriva de análisis**

Nodos	316	862				
Nivel	Δ1	Δ2	1.2x(Δ1+Δ2) / 2	1.4x(Δ1+Δ2) / 2	Irregularidad Torsional	Irregularidad Torsional Extrema
CB	0.0144	0.0192	2.01%	2.35%	No	No

Nodos	354	849				
Piso	Δ1 (cm)	Δ2 (cm)	1.2x(Δ1+Δ2 / 2	1.4x(Δ1+Δ2 / 2	Irregularidad Torsional	Irregularidad Torsional Extrema
CB	0.0145	0.0193	2.03%	2.37%	No	No

SISMO EN Y **Δ: Deriva de análisis**

Nodos	316	354				
Piso	Δ1	Δ2	1.2x(Δ1+Δ2) / 2	1.4x(Δ1+Δ2) / 2	Irregularidad Torsional	Irregularidad Torsional Extrema
CB	0.0188	0.0267	2.73%	3.19%	No	No

Nodos	849	862				
Piso	Δ1 (cm)	Δ2 (cm)	1.2x(Δ1+Δ2 / 2	1.4x(Δ1+Δ2 / 2	Irregularidad Torsional	Irregularidad Torsional Extrema
CB	0.0261	0.0182	2.66%	3.10%	No	No

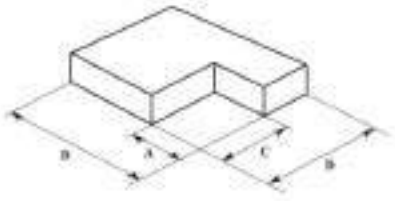
2P - Retrocesos excesivos en las esquinas — La configuración de una estructura se considera irregular cuando ésta tiene retrocesos excesivos en sus esquinas. Un retroceso en una esquina se considera excesivo cuando las proyecciones de la estructura, a ambos lados del retroceso, son mayores que el 15 por ciento de la dimensión de la planta de la estructura en la dirección del retroceso. (ϕ_p: 0.9)

CHEQUEA	SI

A	B	C	D
0	27.5 m	0	5.15 m

0.15B	4.125 m	0.15D	0.7725 m

A < 0.15B	SI	C < 0.15D	SI



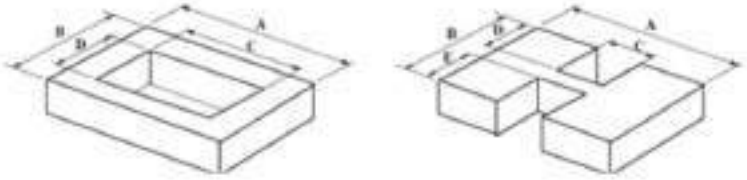
3P - Discontinuidades en el diafragma — Cuando el diafragma tiene discontinuidades apreciables o variaciones en su rigidez, incluyendo las causadas por aberturas, entradas, retrocesos o huecos con áreas mayores al 50 por ciento del área bruta del diafragma o existen cambios en la rigidez efectiva del diafragma de más del 50 por ciento, entre niveles consecutivos, la estructura se considera irregular. (ϕ_p: 0.9)

CHEQUEA	SI

AREA BRUTA (AB)	141.6 m²	0.5AB	70.81 m²
AREA ABERTURA (AA)	0 m²	0.5AB > AA	OK

Tipo 3P — Irregularidad del diafragma — ϕ_p = 0.9

1) C × D > 0.5 A × B **2) (C × D + C × E) > 0.5 A × B**



4P - Desplazamientos del plano de acción de elementos verticales — La estructura se considera irregular cuando existen discontinuidades en las trayectorias de las fuerzas inducidas por los efectos sísmicos, tales como cuando se traslada el plano que contiene a un grupo de elementos verticales del sistema de resistencia sísmica, en una dirección perpendicular a él, generando un nuevo plano. Los altillos o mansardas de un solo piso se eximen de este requisito en la consideración de irregularidad. (ϕ_p: 0.8)

CHEQUEA	SI

5P - Sistemas no paralelos — Cuando las direcciones de acción horizontal de los elementos verticales del sistema de resistencia sísmica no son paralelas o simétricas con respecto a los ejes ortogonales horizontales principales del sistema de resistencia sísmica, la estructura se considera irregular. (ϕ_p: 0.9)

CHEQUEA	SI

Conclusión: La estructura Si tiene irregularidad en planta ϕ_p = 1.0

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6.2.2 IRREGULARIDADES EN ALTURA ϕ_a

1aA - Piso flexible (Irregularidad en rigidez) — Cuando la rigidez ante fuerzas horizontales de un piso es menor del 70 por ciento, pero superior o igual al 60 por ciento de la rigidez del piso superior o menor del 80 por ciento, pero superior o igual al 70 por ciento del promedio de la rigidez de los tres pisos superiores, la estructura se considera irregular. (ϕ_p: 0.9)

CHEQUEA	SI

1bA - Piso flexible (Irregularidad extrema en rigidez) — Cuando la rigidez ante fuerzas horizontales de un piso es menor del 60 por ciento de la rigidez del piso superior o menor del 70 por ciento del promedio de la rigidez de los tres pisos superiores, la estructura se considera irregular. (ϕ_p: 0.8)

CHEQUEA	SI

2A - Irregularidad en la distribución de las masas — Cuando la masa, m_i, de cualquier piso es mayor que 1.5 veces la masa de uno de los pisos contiguos, la estructura se considera irregular. Se exceptúa caso de cubiertas que sean más livianas que el piso de abajo. (ϕ_p: 0.9)

CHEQUEA	SI

3A - Irregularidad geométrica — Cuando la dimensión horizontal del sistema de resistencia sísmica en cualquier piso es mayor que 1.3 veces la misma dimensión en un piso adyacente, la estructura se considera irregular. Se exceptúa el caso de altillos de un solo piso. (ϕ_p: 0.9)

CHEQUEA	SI

4A - Desplazamientos dentro del plano de acción — La estructura se considera irregular cuando existen desplazamientos en el alineamiento de elementos verticales del sistema de resistencia sísmica, dentro del mismo plano que los contiene, y estos desplazamientos son mayores que la dimensión horizontal del elemento. Cuando los elementos desplazados solo sostienen la cubierta de la edificación sin otras cargas adicionales de tanques o equipos, se eximen de esta consideración de irregularidad. (ϕ_p: 0.8)

CHEQUEA	SI

5aA - Piso débil — Discontinuidad en la resistencia — Cuando la resistencia del piso es menor del 80 por ciento de la del piso inmediatamente superior pero superior o igual al 65 por ciento, entendiendo la resistencia del piso como la suma de las resistencias de todos los

elementos que comparten el cortante del piso para la dirección considerada, la estructura se considera irregular. (ϕ_p: 0.9)

CHEQUEA	SI

5bA - Piso débil — Discontinuidad extrema en la resistencia — Cuando la resistencia del piso es menor del 65 por ciento de la del piso inmediatamente superior, entendiendo la resistencia del piso como la suma de las resistencias de todos los elementos que comparten el cortante del piso en la dirección considerada, la estructura se considera irregular. (ϕ_p: 0.8)

CHEQUEA	SI

Conclusión: La estructura No tiene irregularidad en altura $\phi_a = 1.0$

6.2.3 AUSENCIA DE REDUNDANCIA EN EL SISTEMA ESTRUCTURAL DE RESISTENCIA SÍSMICA ϕ_r.

A.3.3.8.2 — En edificaciones con un sistema estructural con capacidad de disipación de energía moderada (DMO) y especial (DES) — Para edificaciones cuyo sistema estructural es de un material que cumple los requisitos de capacidad de disipación de energía moderada (DMO) o especial (DES) el valor del factor de reducción de resistencia por ausencia de redundancia en el sistema estructural de resistencia sísmica, ϕ_r , se le puede asignar un valor de la unidad (ϕ_r = 1.0) cuando en todos los pisos que resistan más del 35 por ciento del corte basal en la dirección bajo estudio el sistema estructural de resistencia sísmica cumpla las siguientes condiciones de redundancia:

En sistemas de pórtico resistente a momentos — La pérdida de la resistencia a momento en la conexión viga-columna de los dos extremos de una viga no resulta en una reducción de más del 33 por ciento de la resistencia ante fuerzas horizontales del piso ni produce una irregularidad torsional en planta extrema (Tipo 1bP).

Para este caso, se le asigna un factor de ausencia de redundancia $\phi_r = 0.75$.

6.3 REDUCCIÓN DEL VALOR DE R

Cuando una estructura se clasifique como irregular, el valor del coeficiente de capacidad de disipación de energía R que se utilice en el diseño sísmico de la edificación, debe reducirse multiplicándolo por ϕ_p, debido a irregularidades en planta, por ϕ_a debido a irregularidades en altura, y por ϕ_r debido a ausencia de redundancia, como indica la ecuación A.3.3-1.

$$R = \phi_p \phi_a \phi_r R_o = 1.0 \times 1.0 \times 0.75 \times 7 = 5.25$$

6.4 EVALUACIÓN DE LA CARGA SÍSMICA

El análisis sísmico realizado corresponde al método de Análisis Modal Espectral, utilizando como excitación el espectro definido en el Titulo A de la norma NSR-10. Para la correcta aplicación de este método, se verifica que el análisis modal cumpla con lo establecido en el literal A.5.4-5 de la norma, asegurando que se excite al menos el 90% de la masa total de la estructura. Asimismo, se comprueba que la fuerza cortante en la base obtenida mediante este método no sea inferior al 90% de la cortante calculada por el método de la Fuerza Horizontal Equivalente (FHE), en caso de que la estructura sea clasificada como irregular según el Capítulo A.3. En el caso de estructuras regulares, dicha cortante no debe ser menor al 80% del valor obtenido por FHE.

6.4.1 MATRIZ DE MASA

La masa total de la edificación (M) debe ser igual a la masa total de la estructura más la masa de aquellos elementos tales como muros divisorios y particiones, equipos permanentes, tanques y sus contenidos, etc. En depósitos o bodegas debe incluirse además un 25 por ciento de la masa correspondiente a los elementos que causan la carga viva del piso, en nuestro caso no aplica.

6.4.2 PERIODO APROXIMADO DE LA ESTRUCTURA

El Periodo fundamental de la estructura aproximado $T_a = C_t h^{\alpha}$ no debe exceder el valor de $C_u T_a$, donde Cu se calcula por medio de la ecuación $C_u = 1.75\text{-}1.2A_vF_v$ y no debe ser menor a 1.20.

Ct:	0.047	Coeficiente dependiente de la estructura
α:	0.90	Parámetro dependiente de la estructura
h:	4	Altura de la estructura [m]
T=Ta en X	0.164	Periodo Fundamental Aprox. [s]
Tcalculado en X	0.160	Periodo Calculado del Analisis Modal [s]
T=Ta en Y	0.164	Periodo Fundamental Aprox. [s]
Tcalculado en Y	0.152	Periodo Calculado del Analisis Modal [s]
A_v:	0.20	Coeficiente de velocidad pico efectiva
F_v:	3.2	Coeficiente amplificación periodos intermedios
C_u:	1.20	coeficiente para calcular el periodo máximo permisible
T_{max} :	0.196	Periodo maximo aproximado de la estructura en X [s]
T_{max} :	0.196	Periodo maximo aproximado de la estructura en Y [s]
T_{ajus} :	0.160	Periodo ajustado en X [seg] $T_{ajus} = min(T_{max}; T_{cal})$
T_{ajus} :	0.152	Periodo ajustado en Y [seg] $T_{ajus} = min(T_{max}; T_{cal})$

6.4.3 MODOS Y PERIODOS DE VIBRACIÓN

Para el análisis se debe llevar a cabo una excitación mayor al 90% de la masa de la estructura en cada una de las direcciones de estudio.

TABLE: Modal Participating Mass Ratios					
Modo	Periodo	UX	UY	SumUX	SumUY
1	0.16	0.2835	0.0963	0.2835	0.0963
2	0.152	0.02	0.6912	0.3034	0.7875
3	0.147	0.4017	0.0339	0.7052	0.8215
4	0.132	0.1066	0.0199	0.8118	0.8414
5	0.128	0.0076	0.00002266	0.8194	0.8414
6	0.114	0.0042	0.125	0.8236	0.9664
7	0.101	0.0029	0.0006	0.8264	0.967
8	0.096	0.0812	0.000003617	0.9077	0.967
9	0.083	0.0891	0.000003254	0.9968	0.967
10	0.081	0.0006	0.0006	0.9974	0.9677
11	0.075	1.067E-06	0.0287	0.9974	0.9964
12	0.046	0.0009	0.0000298	0.9982	0.9964
13	0.042	9.187E-06	0.0001	0.9982	0.9965
14	0.041	0.0001	0.0009	0.9983	0.9974
15	0.037	0.0015	0.000001286	0.9998	0.9974

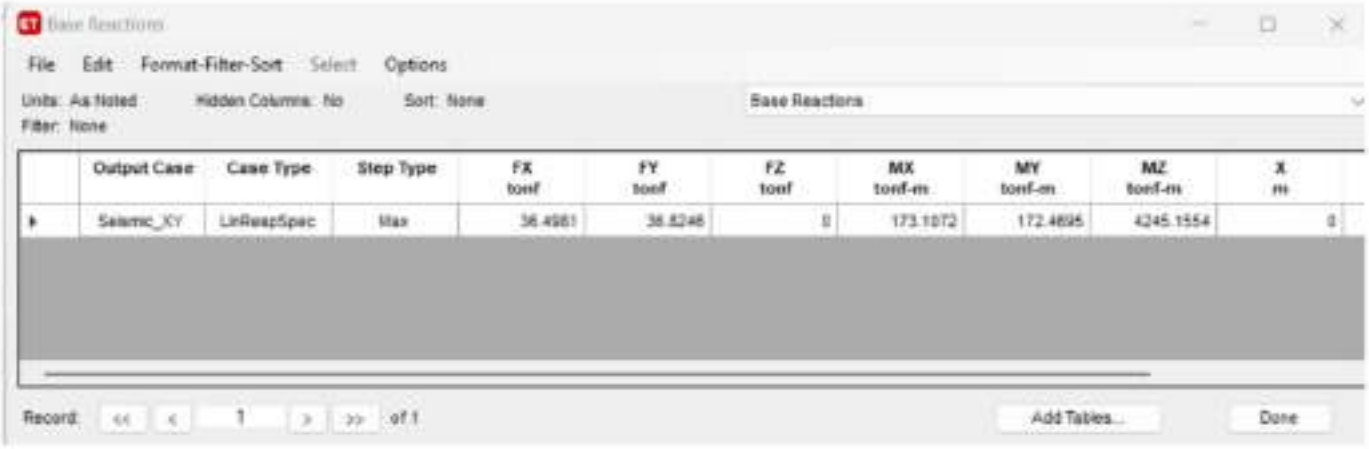
Después de haberse realizado el análisis dinámico, se comprueba que se logra excitar dinámicamente más del 90% de la masa como se exige en el código NSR-10.

6.4.4 CORTANTES EN LA BASE

Para determinar el valor mínimo de la cortante en la base por medio del método del análisis Modal, se debe conocer primero el valor de la cortante en la base por el método de la Fuerza Horizontal Equivalente, empleando la matriz de masa correspondiente a la edificación. El valor de la cortante por el método de la Fuerza Horizontal Equivalente es igual a $V_s = S_a W$.

Sa:	0.997	Valor de Sa correspondiente [g]	
W:	45.76	Peso de la estructura [ton]	
V_{se}:	45.62	Cortante basal estatica FHE [ton]	$V_s = S_a W$
% ajuste	0.8	Estructura regular	
V_{sd}:	36.49	Valor mínimo de cortante dinamica [ton]	

Por ser una estructura irregular, las cortantes obtenidas en cada dirección de estudio por el método del análisis modal, no deben ser menores al 90% de la cortante calculada por el método de la fuerza horizontal equivalente.


Base Reactions

File Edit Format-Filter-Sort Select Options

Units: As Noted Hidden Columns: No Sort: None Base Reactions

Filter: None

	Output Case	Case Type	Step Type	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m	X m
▶	Sismic_XY	LinRespSpec	Max	36.4981	36.4246	0	173.1072	172.4696	4245.1554	0

Record: << < 1 > >> of 1 Add Tables... Done

Después de haberse realizado el análisis dinámico, se comprueba que las cortantes en la base cumplen con el valor mínimo estipulado por el código NSR-10.

Factores de corrección.

	V_{basal}	$V_{corregida}$	Factor
X	29.77	36.5	1.23
Y	34.85	36.8	1.05

6.4.5 CALCULO DE DESPLAZAMIENTOS Y DERIVAS

Para el cálculo de los desplazamientos horizontales se siguen los siguientes requerimientos del literal A6.2 de la NSR-10:

A.6.2.1.1 — Cuando se utilice el método de la fuerza horizontal equivalente, las fuerzas horizontales que se empleen para determinar los desplazamientos horizontales y torsionales en el centro de masa pueden calcularse utilizando el período, T, que se obtiene por medio de la ecuación A.4.2-1, aplicando el límite de C_uT_a indicado allí, o alternativamente el período T obtenido por alguna de las ecuaciones A.4.2-3 o A.4.2-5.

A.6.2.1.2 — En las edificaciones pertenecientes a los grupos de uso II, III y IV, para la determinación de las fuerzas horizontales que se empleen para calcular los desplazamientos horizontales en el centro de masa, se permite que el coeficiente de importancia I , tenga un valor igual a la unidad (I = 1.0), y las fuerzas de diseño a emplear para obtener la resistencia de la estructura deben utilizar el valor del coeficiente de importancia I correspondiente al grupo de uso de la edificación, tal como se define en A.2.5.2.

Para el chequeo de las derivas empleando el análisis modal espectral, se deben calcular de acuerdo a lo especificado en la ecuación (A.6.3-1) del código NSR-10, obteniendo primero los desplazamientos totales horizontales elásticos de la estructura por piso.

$$\Delta^{i}_{max} = \sqrt{\sum_{j=1}^{2}\left(\delta^{i}_{tot,j} - \delta^{i-1}_{tot,j}\right)^2}$$

La deriva máxima para cualquier piso determinada de acuerdo con el procedimiento de A.6.3.1, no puede exceder los límites establecidos en la tabla A.6.4-1, en la cual la deriva máxima se expresa como un porcentaje de la altura de piso h_{pi}:

Estructuras de:	Deriva máxima
concreto reforzado, metálicas, de madera, y de mampostería que cumplen los requisitos de A.6.4.2.2	$1.0\%\ \left(\Delta^{i}_{max} \leq 0.010\ \ h_{pi}\right)$
de mampostería que cumplen los requisitos de A.6.4.2.3	$0.5\%\ \left(\Delta^{i}_{max} \leq 0.005\ \ h_{pi}\right)$

Tabla A.6.4-1 - Derivas máximas como porcentaje de h_{pi}

6.4.5.1 DERIVAS EN JOINST

6.4.5.2 NIVEL DE VIGAS DE CUBIERTA

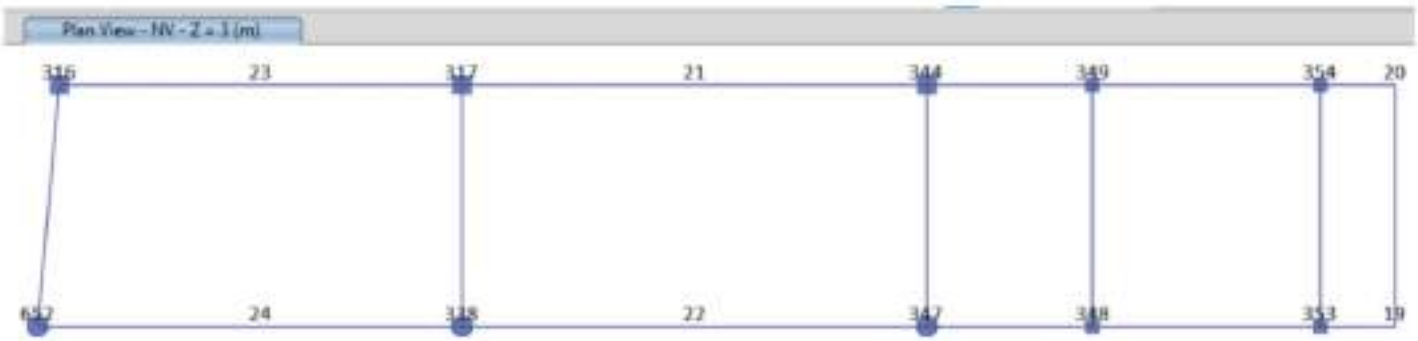


Figura 8. Identificaion de joints de entrepiso (Label).

TABLE: Joint Drifts

Story	Label	Unique Name	Output Case	Case Type	Step Type	Disp X	Disp Y	Drift X	Drift Y
						m	m		
NV	316	205	Seismic_XY	LinRespSpec	Max	0.002673	0.00262	0.000891	0.000873
NV	317	206	Seismic_XY	LinRespSpec	Max	0.002691	0.006448	0.000897	0.002149
NV	338	212	Seismic_XY	LinRespSpec	Max	0.00552	0.006502	0.00184	0.002167
NV	344	217	Seismic_XY	LinRespSpec	Max	0.002717	0.003964	0.000906	0.001321
NV	347	219	Seismic_XY	LinRespSpec	Max	0.005517	0.003997	0.001839	0.001332
NV	348	220	Seismic_XY	LinRespSpec	Max	0.005526	0.004387	0.001842	0.001462
NV	349	222	Seismic_XY	LinRespSpec	Max	0.002739	0.004373	0.000913	0.001458
NV	353	224	Seismic_XY	LinRespSpec	Max	0.005542	0.007777	0.001847	0.002592
NV	354	226	Seismic_XY	LinRespSpec	Max	0.002764	0.00777	0.000921	0.00259
NV	652	211	Seismic_XY	LinRespSpec	Max	0.005497	0.002707	0.001832	0.000902
						Deriva máxima		0.18%	0.26%

De acuerdo con la tabla anterior, se verifica que las derivas de piso no exceden el valor del uno por ciento (1,0%). No obstante, tal como lo establece la NSR-10, las estructuras de un solo piso no están sujetas a límite de deriva, siempre y cuando sus desplazamientos no afecten el adecuado funcionamiento de componentes esenciales o no estructurales.

7 IDENTIFICACIÓN DE ELEMENTOS

7.1 PLANTAS

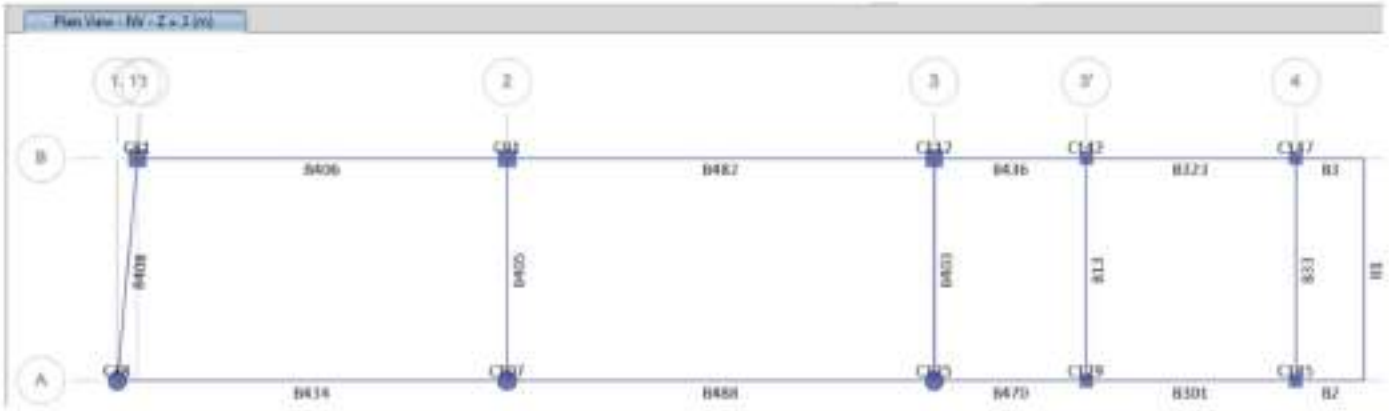


Figura 9. Planta de vigas de cubierta

7.2 ALZADAS

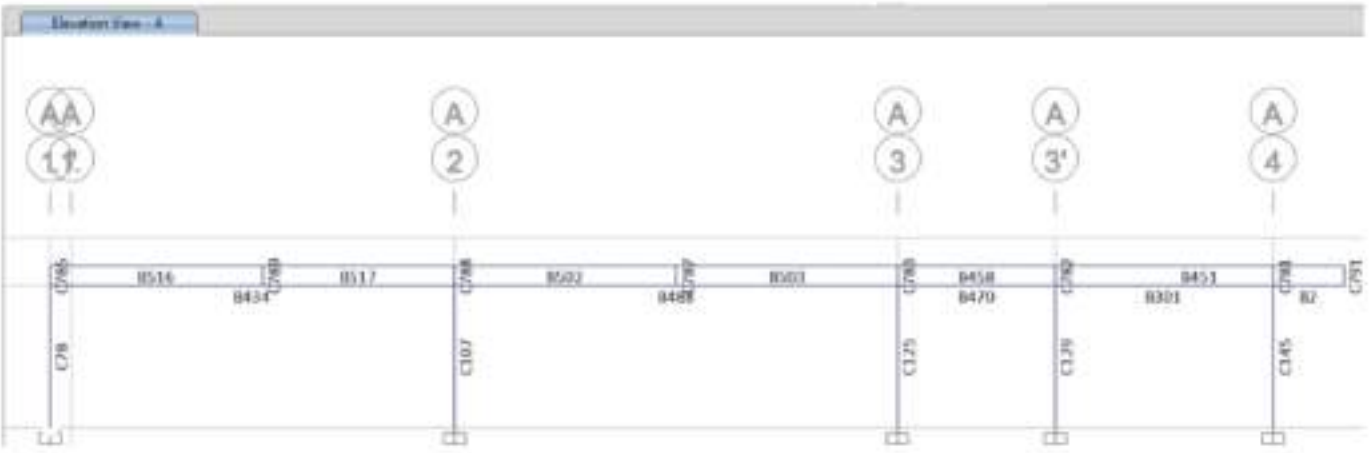


Figura 10. Alzada eje A



Figura 11. Alzada eje B

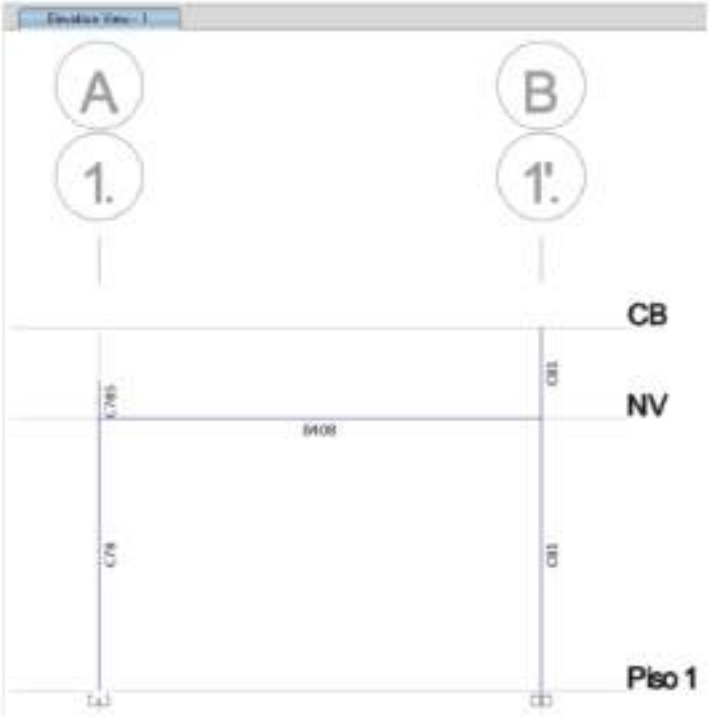


Figura 12. Alzada eje 1

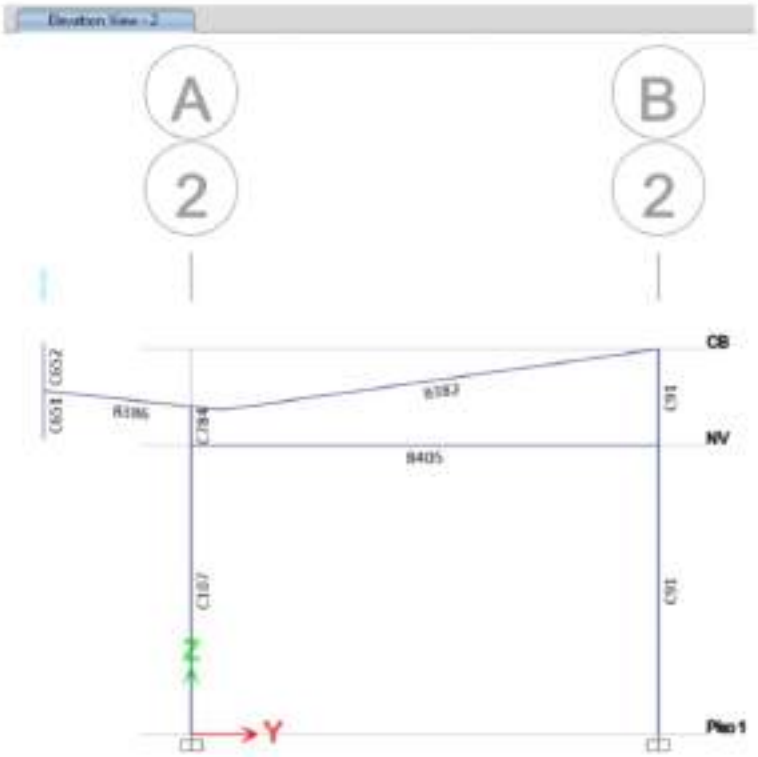


Figura 13. Alzada eje 2

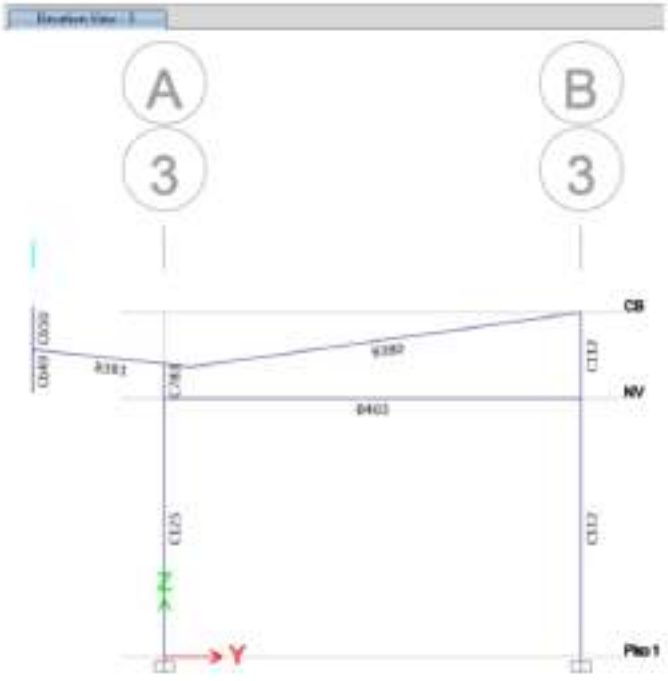


Figura 14. Alzada eje 3

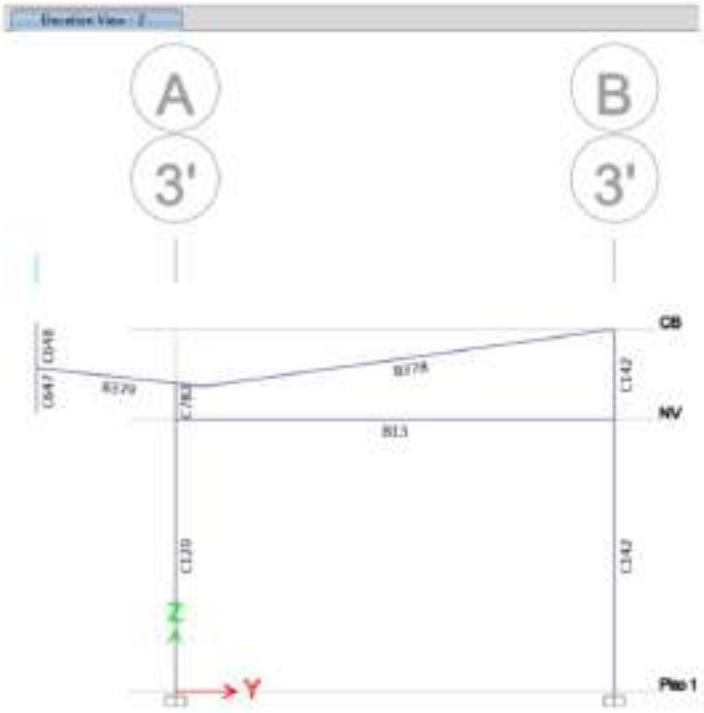


Figura 15. Alzada eje 3'.

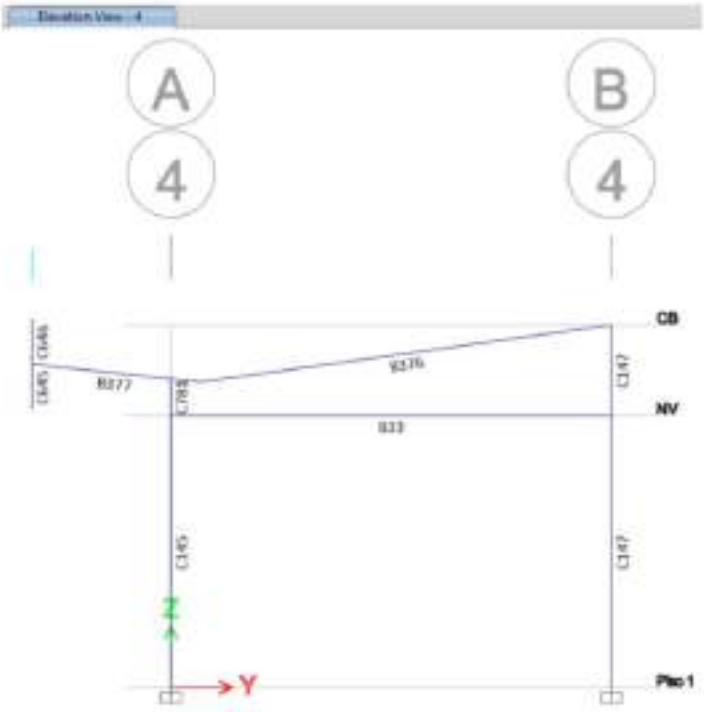


Figura 16. Alzada eje 4

8 ANEXOS

ANEXO A – ANÁLISIS DE VIENTO

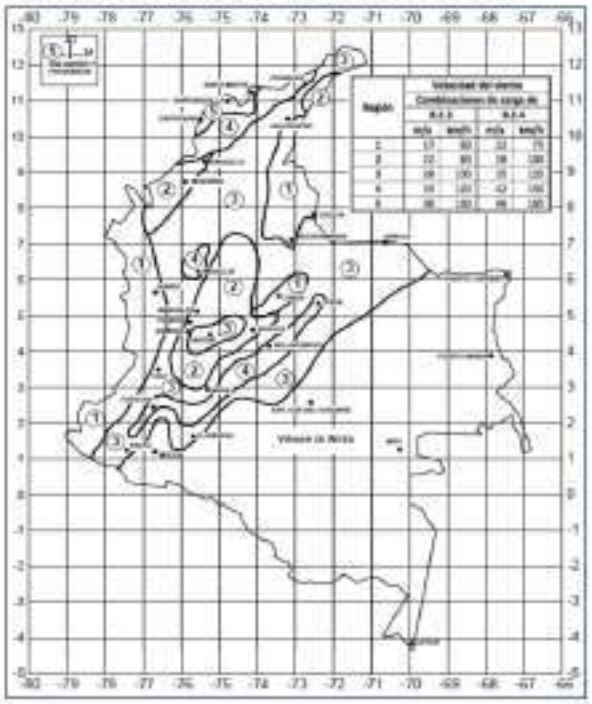
ANEXO A - ANÁLISIS DE VIENTO

- Procedimiento para calcular las fuerzas de viento que actuan sobre los elementos de cubierta.

A.1. - Velocidad básica del viento V.

Región	Velocidad del Viento
1	75 Km/h
2	100 Km/h
3	125 Km/h
4	150 Km/h
5	165 Km/h

- Ciudad: Palmira Valle del Cauca (Rozo)
- Región: 3
- Velocidad del Viento: 125 Km/h
- Altura del edificio h_{pro}: 4.0m



NSR-10. Figura B.6.4-1

A.2. - Factor de dirección de viento Kd.

Tipo de Estructura		Kd
Edificios	Sistema principal de resistencia de cargas de viento	0.85
	Componentes y recubrimientos	0.85
Cubiertas abovedadas		0.85
Chimeneas, tanques y estructuras similares cuadradas		0.9
Chimeneas, tanques y estructuras similares hexagonales		0.95
Chimeneas, tanques y estructuras similares redondas		0.95
Avisos sólidos		0.85
Avisos abiertos y Estructura Rectangular		0.85
Torres en Celosia	Triangular, cuadrada y rectangular	0.85
	Todas las otras secciones transversales	0.95

NSR-10. Tabla B.6.5-4

- Componentes y recubrimientos (perlines) : **Kd:** 0.85

A.3. - Factor de Importancia I.

- De acuerdo al grupo de importancia de la edificación según el literal A.2.5.1 de la NSR-10, el edificio se clasifica en la categoria: II

Categoria	Regiones no propensas a huracanes y regiones con posibilidad de huracanes de V= 40-45 m/s	Regiones con posibilidades de huracanes y V> 45 m/s
I	0.87	0.77
II	1	1
III	1.15	1.15
IV	1.15	1.15

NSR-10. Tabla B.6.5-1

- Región no propensa a huracanes: **I:** 1

A.4. - Categorias de Exposición del Terreno.

- Categorias de rugosidad del terreno. *B.6.5.6.2*

- Rugosidad de terreno B : Áreas urbanas y suburbanas, áreas boscosas u otros terrenos con numerosas obstrucciones del tamaño, iguales o mayores al de una vivienda unifamiliar y con poca separación entre ellas.

- Categorias de exposición. *B.6.5.6.3*

- Exposición B : Aplica cuando la Rugosidad de terreno B prevalece por una distancia de al menos 800m o 20 veces la altura del edifcio, la que sea mayor, en la dirección al viento.

A.5.1. - Casos de Carga de Viento de Diseño.

Caso 1:
a. Todos los componentes y recubrimientos.
b. SPRFV en edificios bajos diseñados usando la Fig. B.6.5-7.

Caso 2:
a. Todos los SPRFV de los edificios excepto aquellos edificios bajos diseñados usando la Fig. B.6.5-6.
b. Todos los SPRFV en otras estructuras.

A.5.2. - Coeficiente de exposición de presión por velocidad Kh. *Tabla B.6.5-3*

Altura sobre el terreno **Z** (m)	Exposición			
	B		C	D
	Caso 1	Caso 2	Casos 1 y 2	Casos 1 y 2
4.5	0.7	0.57	0.85	1.03
6	0.7	0.62	0.9	1.08
7.5	0.7	0.66	0.94	1.12
9	0.7	0.7	0.98	1.16
12	0.76	0.76	1.04	1.22
15	0.81	0.81	1.09	1.27
18	0.85	0.85	1.13	1.31
20	0.89	0.89	1.17	1.34
24.5	0.93	0.93	1.21	1.38
27.5	0.96	0.96	1.24	1.4
30.5	0.99	0.99	1.26	1.43
36.5	1.04	1.04	1.36	1.52
42.5	1.09	1.09	1.36	1.52
49	1.13	1.13	1.39	1.55
55	1.17	1.17	1.43	1.58
60	1.2	1.2	1.46	1.61
76	1.28	1.28	1.53	1.68
90	1.35	1.35	1.59	1.73
107	1.41	1.41	1.64	1.78
122	1.47	1.47	1.69	1.82
137	1.52	1.52	1.73	1.86
152	1.56	1.56	1.77	1.89

Z : 4.00m • Exposición: B Caso : 1 ⟶ K_h : 0.7

A.5.3. - Coeficiente de exposición de presión por velocidad Kz.

Para $4.0\ m \le Z \le Z_g$ $\quad K_z = 2.01\left(\frac{Z}{Z_g}\right)^{2/\alpha}$

Para $Z < 4.0\ m$ $\quad K_z = 2.01\left(\frac{4.0}{Z_g}\right)^{2/\alpha}$

- Coeficientes Z_g, α y Z_{min}. *Tabla B.6.5-2*

Exposición	α	Z_g (m)	Z_{min} (m)
B	7.0	365.8	9.0
C	9.5	274.3	4.5
D	11.5	213.4	2.0

Si **h** ≤ Z_{min}, **Z** debe tomarse como Z_{min}.

Z : 4.00m Exposición B
Z_{min} : 9.00m **α :** 7.00
Z_g : 365.8m

h ≤ Zmin , Use **Z** : 9.00m

Se obtiene → K_z : 0.55

A.6. - Factor Topografico Kzt. *B.6.5.7.2*

- Si la estructura no se encuentra localizada en la mitad superior de una colina o cerca de la cresta de un escarpe. • Factor K_{zt}: 1.00

A.7. - Clasificación de cerramiento del edificio. *B.6.2*

Clasificación del edificio → *Edificio Parcialmente Cerrado*

A.8. - Coeficiente de Presión Interna GCpi. *Fig. B.6.5-2*

	GCp_i	GCp_i
Edificios Abiertos	0	0
Edificios Parcialmente Cerrados	0.55	-0.55
Edificios Cerrados	0.18	-0.18

→ **GCp_i :** 0.55
GCp_i : -0.55

A.9. - Presión por velocidad qh.

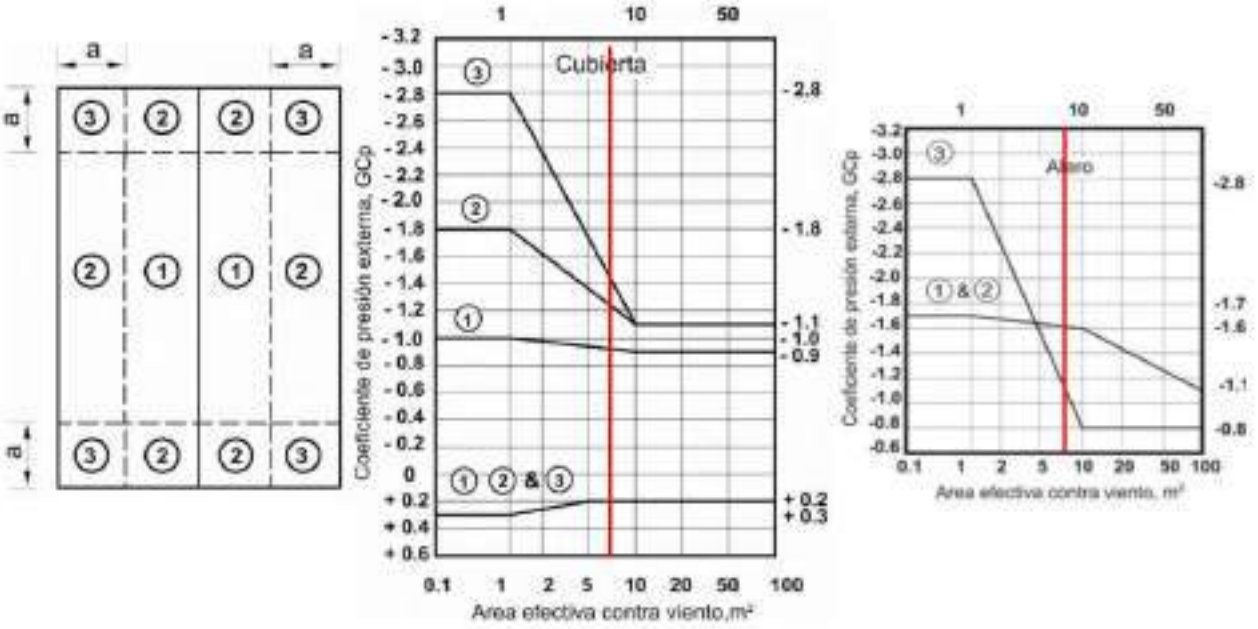
$$q_h = 0.613\ (K_h\ K_{zt}\ K_d\ V^2\ I\ )$$ **q_h :** 446.80 N/m²

A.10. - Coeficiente de Presión Externa GCp.

- Ángulo de inclinación de la cubierta θ: 5.71º *Usar NSR-10 Fig.B.6.5-8B*

- Dimensión Horizontal del edificio perpendicular al viento **B :** 27.64m
- Dimensión Horizontal del edificio paralela al viento **L :** 7.15m
- Separación máxima de correas **S :** 1.50m
- Longitud máxima de correas **Lc :** 5.00m

- Area efectiva del viento por correa **A :** 8.3 m²



a : 10% de la menor dimensión horizontal o 0.4h, la que sea menor. No debe ser menor al 4% de la menor dimensión horizontal o 1.0m. **a :** 1.60m

NSR-10. Figura B.6.5-8B

- Del gráfico de la figura B.6.5-8B obtenemos

Zona	1	2	3	1,2 & 3	Alero
GCp	-0.93	-1.2	-1.4	0.2	-1.7

A.11. - Carga de viento de diseño P.

$$P = q_h\, GC_p - q_h\, (GC_{pi})$$

- Presiones Negativas

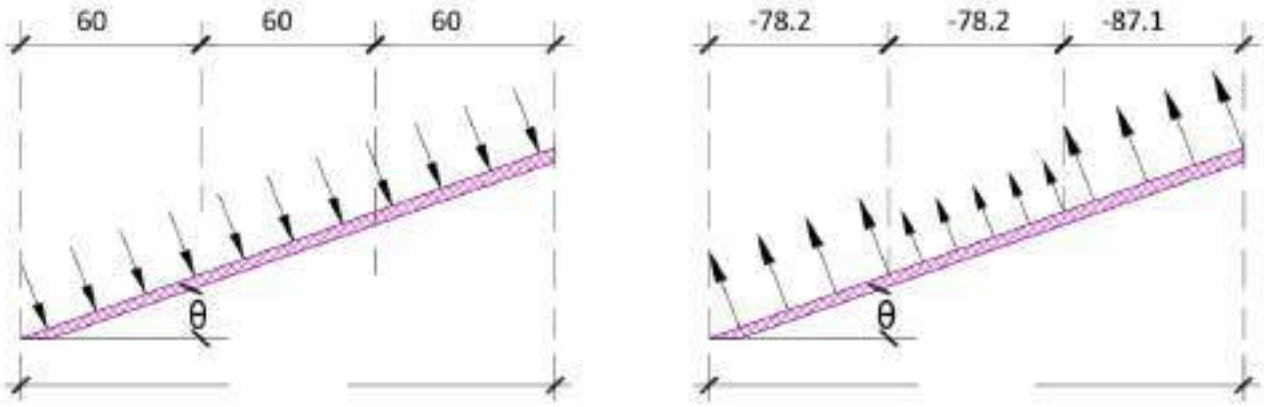
P_1 = -66 Kg /m^2
P_2 = -78.2 Kg /m^2
P_3 = -87.1 Kg /m^2

- Presiones Positivas

P_{min} = 60.0 Kg /m^2

- Diagrama de presiones (Zona General)

Unidades: Kg /m^2

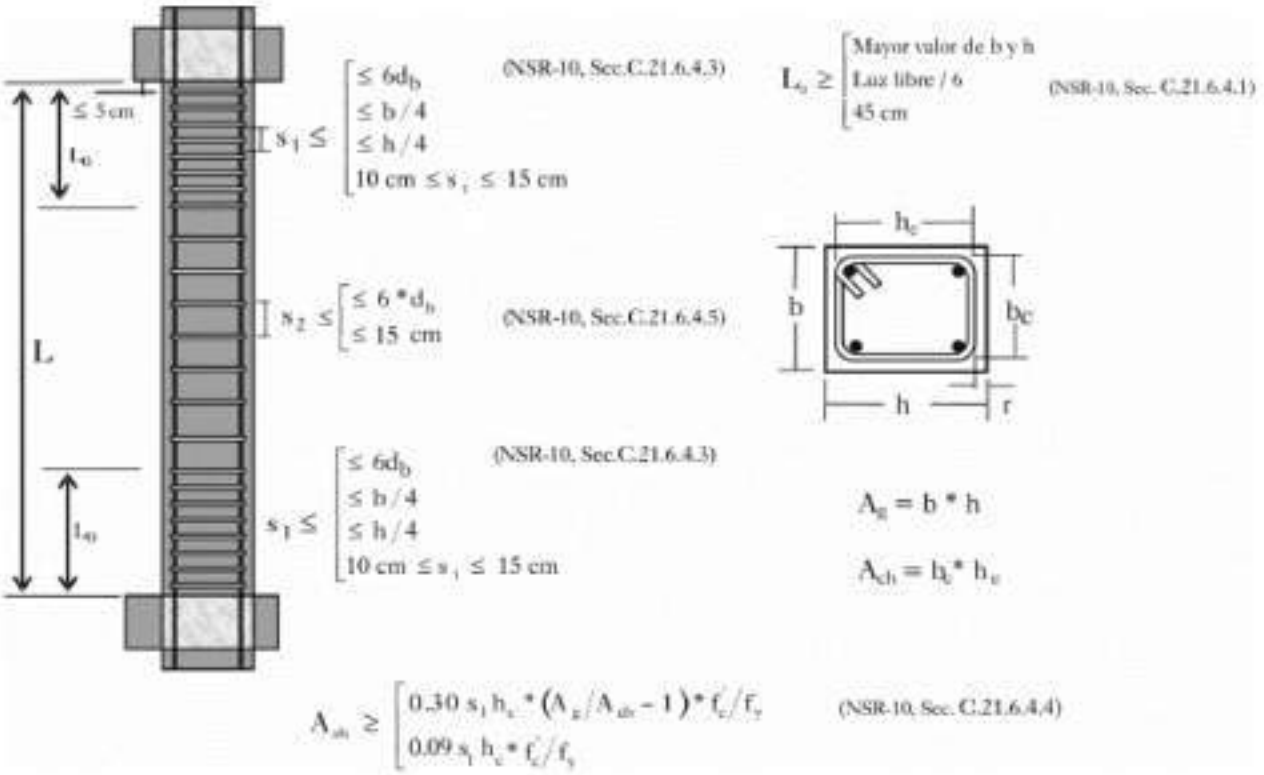


VIENTO

ANEXO B – DISEÑO DE ELEMENTOS ESTRUCTURALES (VIGAS, COLUMNAS)

COLUMNAS DE CONCRETO REFORZADO - REFUERZO TRANSVERSAL C.21

Requisitos del refuerzo transversal para columnas rectangulares en pórticos dúctiles de concreto con demanda especial de ductilidad, DES.



C.21.6.4.4 — Debe proporcionarse refuerzo transversal en las cantidades que se especifican de (a) o (b), a menos que en 21.6.5 se exija mayor cantidad.

(a) La cuantía volumétrica de refuerzo en espiral o de estribos cerrados de confinamiento circulares, ρs , no debe ser menor que la requerida por la ecuación (C.21-6):

$$\rho_s = 0.12\frac{f'_c}{F_y} \qquad \text{C.21-6}$$

y no debe ser menor que la requerida por la ecuación (C.10-5).

(b) El área total de la sección transversal del refuerzo de estribos cerrados de confinamiento rectangulares, Ash , no debe ser menor que la requerida por las ecuaciones (C.21-7) y (C.21-8).

$$A_{sh} = 0.3\frac{sb_c f'_c}{f_{yt}}\left[\left(\frac{A_g}{A_{ch}}\right) - 1\right] \qquad \text{C.21-7}$$

$$A_{sh} = 0.09\frac{sb_c f'_c}{f_{yt}} \qquad \text{C.21-8}$$

$$\rho_s = 0.45\left(\frac{A_g}{A_{ch}} - 1\right)\frac{f'_c}{f_{yt}}$$

Donde:

S = Separación de los estribos

bc = Dimensión transversal del nucleo del elemento medida entre los bordes externos del refuerzo transversal con área Ash, mm

Ag = Área bruta de la sección de concreto, mm^2

Ach = Área de la sección transversal de un elemento estructural, medida entre los bordes exteriores del refuerzo transversal, mm^2

Columna	A_{sh} (mm^2) - C.21-		A_{sh} (mm^2) - C.21-8	Ramas	$A_{suministrado}$ (mm^2)
COL 30x30cm		378	132	3ø1/2"@7.5cm	387
COL 40x40cm		360	192	3ø1/2"@10cm	387
COL 60cm				1ø1/2"@6.5cm	

Table: Concrete Column Design Summary - ACI 318-08, Part 1 of 3

Table: Concrete Column Design Summary - ACI 318-08, Part 1 of 3

Story	Label	UniqueName	DesignSect	Station	DesignOpt	Status	PMMRatio	PMMCombo
Unitless	Unitless	Unitless	Unitless	m	Unitless	Unitless	Unitless	Unitless
NV	C81	124	COL 40x40cm	0	Design	No Message		B.2.4-7b
NV	C81	124	COL 40x40cm	1.25	Design	No Message		B.2.4-5b
NV	C81	124	COL 40x40cm	2.5	Design	No Message		B.2.4-7b
NV	C91	125	COL 40x40cm	0	Design	No Message		B.2.4-7b
NV	C91	125	COL 40x40cm	1.25	Design	No Message		B.2.4-5b
NV	C91	125	COL 40x40cm	2.5	Design	No Message		B.2.4-7b
NV	C107	133	COL 40cm	0	Design	No Message		B.2.4-7b
NV	C107	133	COL 40cm	1.25	Design	No Message		B.2.4-3b
NV	C107	133	COL 40cm	2.5	Design	No Message		B.2.4-7b
NV	C112	129	COL 40x40cm	0	Design	No Message		B.2.4-7b
NV	C112	129	COL 40x40cm	1.25	Design	No Message		B.2.4-5b
NV	C112	129	COL 40x40cm	2.5	Design	No Message		B.2.4-7b
NV	C125	134	COL 40cm	0	Design	No Message		B.2.4-7b
NV	C125	134	COL 40cm	1.25	Design	No Message		B.2.4-3b
NV	C125	134	COL 40cm	2.5	Design	No Message		B.2.4-7b
NV	C129	137	COL 30x30cm	0	Design	No Message		B.2.4-7b
NV	C129	137	COL 30x30cm	1.3	Design	No Message		B.2.4-3b
NV	C129	137	COL 30x30cm	2.6	Design	No Message		B.2.4-7b
NV	C142	138	COL 30x30cm	0	Design	No Message		B.2.4-7b
NV	C142	138	COL 30x30cm	1.3	Design	No Message		B.2.4-5b
NV	C142	138	COL 30x30cm	2.6	Design	No Message		B.2.4-7b
NV	C145	139	COL 30x30cm	0	Design	No Message		B.2.4-7b
NV	C145	139	COL 30x30cm	1.3	Design	No Message		B.2.4-3b
NV	C145	139	COL 30x30cm	2.6	Design	No Message		B.2.4-7b
NV	C147	140	COL 30x30cm	0	Design	No Message		B.2.4-7b
NV	C147	140	COL 30x30cm	1.3	Design	No Message		B.2.4-5b
NV	C147	140	COL 30x30cm	2.6	Design	No Message		B.2.4-7b
NV	C78	130	COL 40cm	0	Design	No Message		B.2.4-7b
NV	C78	130	COL 40cm	1.25	Design	No Message		B.2.4-3b
NV	C78	130	COL 40cm	2.5	Design	No Message		B.2.4-7b
Piso 1	C81	161	COL 40x40cm	0	Design	No Message		B.2.4-5b
Piso 1	C81	161	COL 40x40cm	0.425	Design	No Message		B.2.4-5b
Piso 1	C81	161	COL 40x40cm	0.85	Design	No Message		B.2.4-7b

Table: Concrete Column Design Summary - ACI 318-08, Part 1 of 3

Story	Label	UniqueName	DesignSect	Station	DesignOpt	Status	PMMRatio	PMMCombo
Unitless	Unitless	Unitless	Unitless	m	Unitless	Unitless	Unitless	Unitless
Piso 1	C91	162	COL 40x40cm	0	Design	No Message		B.2.4-5b
Piso 1	C91	162	COL 40x40cm	0.425	Design	No Message		B.2.4-5b
Piso 1	C91	162	COL 40x40cm	0.85	Design	No Message		B.2.4-7b
Piso 1	C107	165	COL 40cm	0	Design	No Message		B.2.4-7b
Piso 1	C107	165	COL 40cm	0.425	Design	No Message		B.2.4-5b
Piso 1	C107	165	COL 40cm	0.85	Design	No Message		B.2.4-7b
Piso 1	C112	163	COL 40x40cm	0	Design	No Message		B.2.4-5b
Piso 1	C112	163	COL 40x40cm	0.425	Design	No Message		B.2.4-5b
Piso 1	C112	163	COL 40x40cm	0.85	Design	No Message		B.2.4-7b
Piso 1	C125	166	COL 40cm	0	Design	No Message		B.2.4-5b
Piso 1	C125	166	COL 40cm	0.425	Design	No Message		B.2.4-5b
Piso 1	C125	166	COL 40cm	0.85	Design	No Message		B.2.4-7b
Piso 1	C129	169	COL 30x30cm	0	Design	No Message		B.2.4-7b
Piso 1	C129	169	COL 30x30cm	0.55	Design	No Message		B.2.4-3b
Piso 1	C129	169	COL 30x30cm	1.1	Design	No Message		B.2.4-7b
Piso 1	C142	170	COL 30x30cm	0	Design	No Message		B.2.4-5b
Piso 1	C142	170	COL 30x30cm	0.55	Design	No Message		B.2.4-5b
Piso 1	C142	170	COL 30x30cm	1.1	Design	No Message		B.2.4-7b
Piso 1	C145	171	COL 30x30cm	0	Design	No Message		B.2.4-7b
Piso 1	C145	171	COL 30x30cm	0.55	Design	No Message		B.2.4-3b
Piso 1	C145	171	COL 30x30cm	1.1	Design	No Message		B.2.4-7b
Piso 1	C147	172	COL 30x30cm	0	Design	No Message		B.2.4-5b
Piso 1	C147	172	COL 30x30cm	0.55	Design	No Message		B.2.4-5b
Piso 1	C147	172	COL 30x30cm	1.1	Design	No Message		B.2.4-7b
Piso 1	C78	164	COL 40cm	0	Design	No Message		B.2.4-5b
Piso 1	C78	164	COL 40cm	0.425	Design	No Message		B.2.4-5b
Piso 1	C78	164	COL 40cm	0.85	Design	No Message		B.2.4-7b

Table: Concrete Column Design Summary - ACI 318-08, Part 2 of 3

Table: Concrete Column Design Summary - ACI 318-08, Part 2 of 3

Story	Label	UniqueName	Station	AsMin	As	Mid Bar As	CornerBarAs	VMajCombo
Unitless	Unitless	Unitless	m	m²	m²	m²	m²	Unitless
NV	C81	124	0	0.0016	0.0016	0.0002	0.0002	B.2.4-7b
NV	C81	124	1.25	0.0016	0.0016	0.0002	0.0002	B.2.4-7b
NV	C81	124	2.5	0.0016	0.0016	0.0002	0.0002	B.2.4-7b
NV	C91	125	0	0.0016	0.001953	0.000244	0.000244	B.2.4-7b
NV	C91	125	1.25	0.0016	0.0016	0.0002	0.0002	B.2.4-7b
NV	C91	125	2.5	0.0016	0.0016	0.0002	0.0002	B.2.4-7b

Table: Concrete Column Design Summary - ACI 318-08, Part 2 of 3

Story	Label	UniqueName	Station	AsMin	As	Mid Bar As	CornerBarAs	VMajCombo
Unitless	Unitless	Unitless	m	m²	m²	m²	m²	Unitless
NV	C107	133	0	0.001257	0.001288			B.2.4-5b
NV	C107	133	1.25	0.001257	0.001257			B.2.4-5b
NV	C107	133	2.5	0.001257	0.001783			B.2.4-5b
NV	C112	129	0	0.0016	0.0016	0.0002	0.0002	B.2.4-7b
NV	C112	129	1.25	0.0016	0.0016	0.0002	0.0002	B.2.4-7b
NV	C112	129	2.5	0.0016	0.0016	0.0002	0.0002	B.2.4-7b
NV	C125	134	0	0.001257	0.001257			B.2.4-7b
NV	C125	134	1.25	0.001257	0.001257			B.2.4-7b
NV	C125	134	2.5	0.001257	0.001257			B.2.4-7b
NV	C129	137	0	0.0009	0.0009	0.000113	0.000113	B.2.4-7b
NV	C129	137	1.3	0.0009	0.0009	0.000113	0.000113	B.2.4-7b
NV	C129	137	2.6	0.0009	0.0009	0.000113	0.000113	B.2.4-7b
NV	C142	138	0	0.0009	0.0009	0.000113	0.000113	B.2.4-7b
NV	C142	138	1.3	0.0009	0.0009	0.000113	0.000113	B.2.4-7b
NV	C142	138	2.6	0.0009	0.0009	0.000113	0.000113	B.2.4-7b
NV	C145	139	0	0.0009	0.0009	0.000113	0.000113	B.2.4-7b
NV	C145	139	1.3	0.0009	0.0009	0.000113	0.000113	B.2.4-7b
NV	C145	139	2.6	0.0009	0.0009	0.000113	0.000113	B.2.4-7b
NV	C147	140	0	0.0009	0.0009	0.000113	0.000113	B.2.4-7b
NV	C147	140	1.3	0.0009	0.0009	0.000113	0.000113	B.2.4-7b
NV	C147	140	2.6	0.0009	0.0009	0.000113	0.000113	B.2.4-7b
NV	C78	130	0	0.001257	0.001257			B.2.4-7b
NV	C78	130	1.25	0.001257	0.001257			B.2.4-7b
NV	C78	130	2.5	0.001257	0.001257			B.2.4-7b
Piso 1	C81	161	0	0.0016	0.0016	0.0002	0.0002	B.2.4-7b
Piso 1	C81	161	0.425	0.0016	0.0016	0.0002	0.0002	B.2.4-7b
Piso 1	C81	161	0.85	0.0016	0.0016	0.0002	0.0002	B.2.4-7b
Piso 1	C91	162	0	0.0016	0.0016	0.0002	0.0002	B.2.4-7b
Piso 1	C91	162	0.425	0.0016	0.0016	0.0002	0.0002	B.2.4-7b
Piso 1	C91	162	0.85	0.0016	0.0016	0.0002	0.0002	B.2.4-7b
Piso 1	C107	165	0	0.001257	0.001257			B.2.4-7b
Piso 1	C107	165	0.425	0.001257	0.001257			B.2.4-7b
Piso 1	C107	165	0.85	0.001257	0.001257			B.2.4-7b
Piso 1	C112	163	0	0.0016	0.0016	0.0002	0.0002	B.2.4-7b
Piso 1	C112	163	0.425	0.0016	0.0016	0.0002	0.0002	B.2.4-7b
Piso 1	C112	163	0.85	0.0016	0.0016	0.0002	0.0002	B.2.4-7b
Piso 1	C125	166	0	0.001257	0.001257			B.2.4-7b
Piso 1	C125	166	0.425	0.001257	0.001257			B.2.4-7b
Piso 1	C125	166	0.85	0.001257	0.001257			B.2.4-7b
Piso 1	C129	169	0	0.0009	0.0009	0.000113	0.000113	B.2.4-7b
Piso 1	C129	169	0.55	0.0009	0.0009	0.000113	0.000113	B.2.4-7b
Piso 1	C129	169	1.1	0.0009	0.0009	0.000113	0.000113	B.2.4-7b
Piso 1	C142	170	0	0.0009	0.0009	0.000113	0.000113	B.2.4-7b
Piso 1	C142	170	0.55	0.0009	0.0009	0.000113	0.000113	B.2.4-7b
Piso 1	C142	170	1.1	0.0009	0.0009	0.000113	0.000113	B.2.4-7b
Piso 1	C145	171	0	0.0009	0.0009	0.000113	0.000113	B.2.4-7b
Piso 1	C145	171	0.55	0.0009	0.0009	0.000113	0.000113	B.2.4-7b
Piso 1	C145	171	1.1	0.0009	0.0009	0.000113	0.000113	B.2.4-7b
Piso 1	C147	172	0	0.0009	0.0009	0.000113	0.000113	B.2.4-7b
Piso 1	C147	172	0.55	0.0009	0.0009	0.000113	0.000113	B.2.4-7b
Piso 1	C147	172	1.1	0.0009	0.0009	0.000113	0.000113	B.2.4-7b
Piso 1	C78	164	0	0.001257	0.001257			B.2.4-7b
Piso 1	C78	164	0.425	0.001257	0.001257			B.2.4-7b
Piso 1	C78	164	0.85	0.001257	0.001257			B.2.4-7b

Table: Concrete Column Design Summary - ACI 318-08, Part 3 of 3

Table: Concrete Column Design Summary - ACI 318-08, Part 3 of 3

Story	Label	UniqueName	Station	VMajRebar	VMinCombo	VMinRebar	WarnMsg	ErrMsg
Unitless	Unitless	Unitless	m	m²/m	Unitless	m²/m	Unitless	Unitless
NV	C81	124	0	0.00033	B.2.4-7b	0.00033	No Message	No Message
NV	C81	124	1.25	0.00033	B.2.4-7b	0.00033	No Message	No Message
NV	C81	124	2.5	0.00033	B.2.4-7b	0.00033	No Message	No Message
NV	C91	125	0	0.00054	B.2.4-7b	0.00033	No Message	No Message
NV	C91	125	1.25	0.00054	B.2.4-7b	0.00033	No Message	No Message
NV	C91	125	2.5	0.00054	B.2.4-7b	0.00033	No Message	No Message
NV	C107	133	0	0.00091	B.2.4-7b	0.00033	No Message	No Message
NV	C107	133	1.25	0.00091	B.2.4-7b	0.00033	No Message	No Message
NV	C107	133	2.5	0.00091	B.2.4-7b	0.00033	No Message	No Message
NV	C112	129	0	0.00041	B.2.4-7b	0.00033	No Message	No Message
NV	C112	129	1.25	0.00041	B.2.4-7b	0.00033	No Message	No Message
NV	C112	129	2.5	0.00041	B.2.4-7b	0.00033	No Message	No Message
NV	C125	134	0	0.00073	B.2.4-7b	0.00033	No Message	No Message
NV	C125	134	1.25	0.00073	B.2.4-7b	0.00033	No Message	No Message
NV	C125	134	2.5	0.00073	B.2.4-7b	0.00033	No Message	No Message
NV	C129	137	0	0.00025	B.2.4-7b	0.00025	No Message	No Message
NV	C129	137	1.3	0.00025	B.2.4-7b	0.00025	No Message	No Message
NV	C129	137	2.6	0.00025	B.2.4-7b	0.00025	No Message	No Message
NV	C142	138	0	0.00025	B.2.4-7b	0.00025	No Message	No Message
NV	C142	138	1.3	0.00025	B.2.4-7b	0.00025	No Message	No Message
NV	C142	138	2.6	0.00025	B.2.4-7b	0.00025	No Message	No Message
NV	C145	139	0	0.00038	B.2.4-7b	0.00025	No Message	No Message
NV	C145	139	1.3	0.00038	B.2.4-7b	0.00025	No Message	No Message
NV	C145	139	2.6	0.00038	B.2.4-7b	0.00025	No Message	No Message
NV	C147	140	0	0.0003	B.2.4-7b	0.00025	No Message	No Message
NV	C147	140	1.3	0.0003	B.2.4-7b	0.00025	No Message	No Message
NV	C147	140	2.6	0.0003	B.2.4-7b	0.00025	No Message	No Message
NV	C78	130	0	0.0004	B.2.4-7b	0.00033	No Message	No Message
NV	C78	130	1.25	0.0004	B.2.4-7b	0.00033	No Message	No Message
NV	C78	130	2.5	0.0004	B.2.4-7b	0.00033	No Message	No Message
Piso 1	C81	161	0	0.00049	B.2.4-7b	0.00033	No Message	No Message
Piso 1	C81	161	0.425	0.00049	B.2.4-7b	0.00033	No Message	No Message
Piso 1	C81	161	0.85	0.00049	B.2.4-7b	0.00033	No Message	No Message
Piso 1	C91	162	0	0.00104	B.2.4-7b	0.00033	No Message	No Message
Piso 1	C91	162	0.425	0.00104	B.2.4-7b	0.00033	No Message	No Message
Piso 1	C91	162	0.85	0.00104	B.2.4-7b	0.00033	No Message	No Message
Piso 1	C107	165	0	0.0007	B.2.4-7b	0.00033	No Message	No Message
Piso 1	C107	165	0.425	0.0007	B.2.4-7b	0.00033	No Message	No Message
Piso 1	C107	165	0.85	0.0007	B.2.4-7b	0.00033	No Message	No Message
Piso 1	C112	163	0	0.00074	B.2.4-7b	0.00033	No Message	No Message
Piso 1	C112	163	0.425	0.00074	B.2.4-7b	0.00033	No Message	No Message
Piso 1	C112	163	0.85	0.00074	B.2.4-7b	0.00033	No Message	No Message
Piso 1	C125	166	0	0.00052	B.2.4-7b	0.00033	No Message	No Message
Piso 1	C125	166	0.425	0.00052	B.2.4-7b	0.00033	No Message	No Message
Piso 1	C125	166	0.85	0.00052	B.2.4-7b	0.00033	No Message	No Message
Piso 1	C129	169	0	0.00026	B.2.4-7b	0.00025	No Message	No Message
Piso 1	C129	169	0.55	0.00026	B.2.4-7b	0.00025	No Message	No Message
Piso 1	C129	169	1.1	0.00026	B.2.4-7b	0.00025	No Message	No Message
Piso 1	C142	170	0	0.0003	B.2.4-7b	0.00025	No Message	No Message
Piso 1	C142	170	0.55	0.0003	B.2.4-7b	0.00025	No Message	No Message
Piso 1	C142	170	1.1	0.0003	B.2.4-7b	0.00025	No Message	No Message

Table: Concrete Column Design Summary - ACI 318-08, Part 3 of 3

Story	Label	UniqueName	Station	VMajRebar	VMinCombo	VMinRebar	WarnMsg	ErrMsg
Unitless	Unitless	Unitless	m	m²/m	Unitless	m²/m	Unitless	Unitless
Piso 1	C145	171	0	0.00025	B.2.4-7b	0.00025	No Message	No Message
Piso 1	C145	171	0.55	0.00025	B.2.4-7b	0.00025	No Message	No Message
Piso 1	C145	171	1.1	0.00025	B.2.4-7b	0.00025	No Message	No Message
Piso 1	C147	172	0	0.00025	B.2.4-7b	0.00025	No Message	No Message
Piso 1	C147	172	0.55	0.00025	B.2.4-7b	0.00025	No Message	No Message
Piso 1	C147	172	1.1	0.00025	B.2.4-7b	0.00025	No Message	No Message
Piso 1	C78	164	0	0.00042	B.2.4-7b	0.00033	No Message	No Message
Piso 1	C78	164	0.425	0.00042	B.2.4-7b	0.00033	No Message	No Message
Piso 1	C78	164	0.85	0.00042	B.2.4-7b	0.00033	No Message	No Message

Table: Concrete Column PMM Envelope - ACI 318-08, Part 1 of 2

Table: Concrete Column PMM Envelope - ACI 318-08, Part 1 of 2

Story	Label	UniqueName	Section	Location	P	M Major	M Minor	PMM Combo
Unitless	Unitless	Unitless	Unitless	Unitless	kgf	kgf-m	kgf-m	Unitless
NV	C81	124	COL 40x40cm	Top	1611.76	2353.23	-1265.96	B.2.4-7b
NV	C81	124	COL 40x40cm	Bottom	2476.76	-5173.24	1419.03	B.2.4-7b
NV	C91	125	COL 40x40cm	Top	3280.16	5067.51	-2253.77	B.2.4-7b
NV	C91	125	COL 40x40cm	Bottom	4155.15	-10975.98	2893.63	B.2.4-7b
NV	C107	133	COL 40cm	Top	5461.39	-8612.23	1811.5	B.2.4-7b
NV	C107	133	COL 40cm	Bottom	6140.76	6898.98	-2404.14	B.2.4-7b
NV	C112	129	COL 40x40cm	Top	2458.56	-3869.92	-1715.44	B.2.4-7b
NV	C112	129	COL 40x40cm	Bottom	3323.55	7781.44	2060.03	B.2.4-7b
NV	C125	134	COL 40cm	Top	3855.28	-5475.95	1362.42	B.2.4-7b
NV	C125	134	COL 40cm	Bottom	4534.64	5159.87	-1735.1	B.2.4-7b
NV	C129	137	COL 30x30cm	Top	1823.82	1155.04	-1383.28	B.2.4-7b
NV	C129	137	COL 30x30cm	Bottom	2329.84	1929.88	-1190.47	B.2.4-7b
NV	C142	138	COL 30x30cm	Top	1162.18	732.75	-1152.61	B.2.4-7b
NV	C142	138	COL 30x30cm	Bottom	1668.2	-2268.44	1153.69	B.2.4-7b
NV	C145	139	COL 30x30cm	Top	2613.3	-2116.79	1169.02	B.2.4-7b
NV	C145	139	COL 30x30cm	Bottom	3119.33	1006.6	-1795.42	B.2.4-7b
NV	C147	140	COL 30x30cm	Top	1975.01	1956.22	802.23	B.2.4-7b
NV	C147	140	COL 30x30cm	Bottom	2481.03	876.7	1854.81	B.2.4-7b
NV	C78	130	COL 40cm	Top	2354.68	3007.65	1011.47	B.2.4-7b
NV	C78	130	COL 40cm	Bottom	3034.05	4152.91	-1276.23	B.2.4-7b
Piso 1	C81	161	COL 40x40cm	Top	5695.13	5173.24	-325.66	B.2.4-7b
Piso 1	C81	161	COL 40x40cm	Bottom	11883.47	-786.79	1000.44	B.2.4-5b
Piso 1	C91	162	COL 40x40cm	Top	11818.75	10975.98	-696.35	B.2.4-7b
Piso 1	C91	162	COL 40x40cm	Bottom	21700.08	-1369.83	2657.05	B.2.4-5b
Piso 1	C107	165	COL 40cm	Top	9430.09	-6898.98	471.87	B.2.4-7b
Piso 1	C107	165	COL 40cm	Bottom	9661.08	-1510.82	2247.91	B.2.4-7b
Piso 1	C112	163	COL 40x40cm	Top	8507.26	-7781.44	-388.02	B.2.4-7b
Piso 1	C112	163	COL 40x40cm	Bottom	16273.32	1230.93	1721.62	B.2.4-5b
Piso 1	C125	166	COL 40cm	Top	6581.21	-5159.87	317.52	B.2.4-7b
Piso 1	C125	166	COL 40cm	Bottom	13582.36	1287.6	1488.18	B.2.4-5b
Piso 1	C129	169	COL 30x30cm	Top	3252.09	-1929.88	652	B.2.4-7b
Piso 1	C129	169	COL 30x30cm	Bottom	3466.18	-430.46	580.68	B.2.4-7b
Piso 1	C142	170	COL 30x30cm	Top	4417.76	2268.44	-564.44	B.2.4-7b

Table: Concrete Column PMM Envelope - ACI 318-08, Part 1 of 2

Story	Label	UniqueName	Section	Location	P	M Major	M Minor	PMM Combo
Unitless	Unitless	Unitless	Unitless	Unitless	kgf	kgf-m	kgf-m	Unitless
Piso 1	C142	170	COL 30x30cm	Bottom	6574.52	-378.36	631.65	B.2.4-5b
Piso 1	C145	171	COL 30x30cm	Top	3292.5	-417.25	-1795.42	B.2.4-7b
Piso 1	C145	171	COL 30x30cm	Bottom	3506.59	401.11	640.44	B.2.4-7b
Piso 1	C147	172	COL 30x30cm	Top	3977.88	-715.71	-1854.81	B.2.4-7b
Piso 1	C147	172	COL 30x30cm	Bottom	6067.03	383.68	692.38	B.2.4-5b
Piso 1	C78	164	COL 40cm	Top	4484.66	4152.91	288.27	B.2.4-7b
Piso 1	C78	164	COL 40cm	Bottom	10100.09	-884.06	897.3	B.2.4-5b

Table: Concrete Column PMM Envelope - ACI 318-08, Part 2 of 2

Table: Concrete Column PMM Envelope - ACI 318-08, Part 2 of 2

Story	Label	UniqueName	Location	PMM Ratio or Rebar %
Unitless	Unitless	Unitless	Unitless	Unitless
NV	C81	124	Top	1 %
NV	C81	124	Bottom	1 %
NV	C91	125	Top	1 %
NV	C91	125	Bottom	1.22 %
NV	C107	133	Top	1.42 %
NV	C107	133	Bottom	1.03 %
NV	C112	129	Top	1 %
NV	C112	129	Bottom	1 %
NV	C125	134	Top	1 %
NV	C125	134	Bottom	1 %
NV	C129	137	Top	1 %
NV	C129	137	Bottom	1 %
NV	C142	138	Top	1 %
NV	C142	138	Bottom	1 %
NV	C145	139	Top	1 %
NV	C145	139	Bottom	1 %
NV	C147	140	Top	1 %
NV	C147	140	Bottom	1 %
NV	C78	130	Top	1 %
NV	C78	130	Bottom	1 %
Piso 1	C81	161	Top	1 %
Piso 1	C81	161	Bottom	1 %
Piso 1	C91	162	Top	1 %
Piso 1	C91	162	Bottom	1 %
Piso 1	C107	165	Top	1 %
Piso 1	C107	165	Bottom	1 %
Piso 1	C112	163	Top	1 %
Piso 1	C112	163	Bottom	1 %
Piso 1	C125	166	Top	1 %
Piso 1	C125	166	Bottom	1 %
Piso 1	C129	169	Top	1 %
Piso 1	C129	169	Bottom	1 %
Piso 1	C142	170	Top	1 %
Piso 1	C142	170	Bottom	1 %
Piso 1	C145	171	Top	1 %
Piso 1	C145	171	Bottom	1 %

Table: Concrete Column PMM Envelope - ACI 318-08, Part 2 of 2

Story	Label	UniqueName	Location	PMM Ratio or Rebar %
Unitless	Unitless	Unitless	Unitless	Unitless
Piso 1	C147	172	Top	1 %
Piso 1	C147	172	Bottom	1 %
Piso 1	C78	164	Top	1 %
Piso 1	C78	164	Bottom	1 %

	CHEQUEO MANUAL DE COLUMNAS	

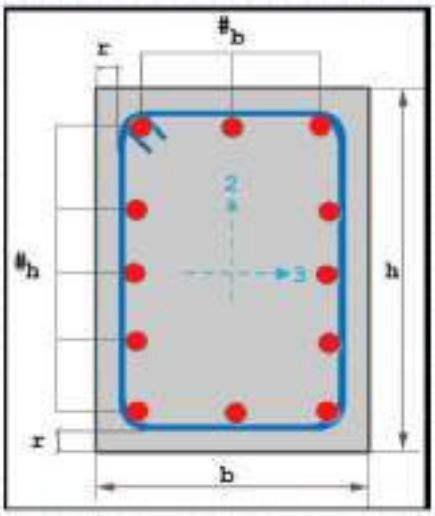
DIAGRAMA DE INTERACIÓN DE COLUMNAS RECTANGULARES PM2, PM3 Y 3D

A) Materiales

Concreto $f'_c := 280\ \frac{kgf}{cm^2}$

Acero de refuerzo $f_y := 4200\ \frac{kgf}{cm^2}$

Módulo de elasticidad $E_s := 2030000\ \frac{kgf}{cm^2}$



B) Dimensiones

Altura $h := 40\ cm$

Ancho $b := 40\ cm$

Recubrimiento al estribo $r := 4\ cm$

C) Refuerzo

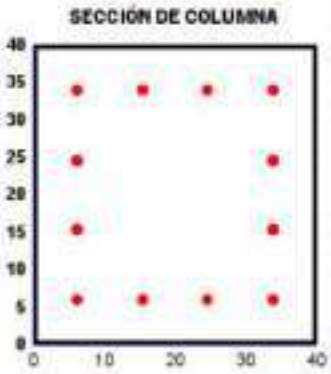
Número de Barras Dirección b $\#_b := 4$

Número de Barras Dirección h $\#_h := 4$

Diámetro Barras de Refuerzo Longitudinal $d_{be} := \frac{5}{8}\ in$

Acero transversal (Diámetro de Estribo) $d_v := \frac{1}{2}\ in$

D) DATOS ingresados



- Refuerzo Longitudinal: $\phi_{longitudinal} = 12$ **barras**

  Diámetro: $d_{be} = 15.875\ mm$
- Refuerzo Transversal: $d_v = 12.7\ mm$
- Cuantía $\rho = 1.484\%$ $V_{verificacion} = \text{"ok"}$

SOLICITACIÓN DE FUERZA AXIAL Y MOMENTO

1. Resistencia requerida

Fuerza Axial

$P_u := [11.87]\ tonnef$

Momento

Dirección 2 $M_{uy} := [-0.67]\ tonnef \cdot m$

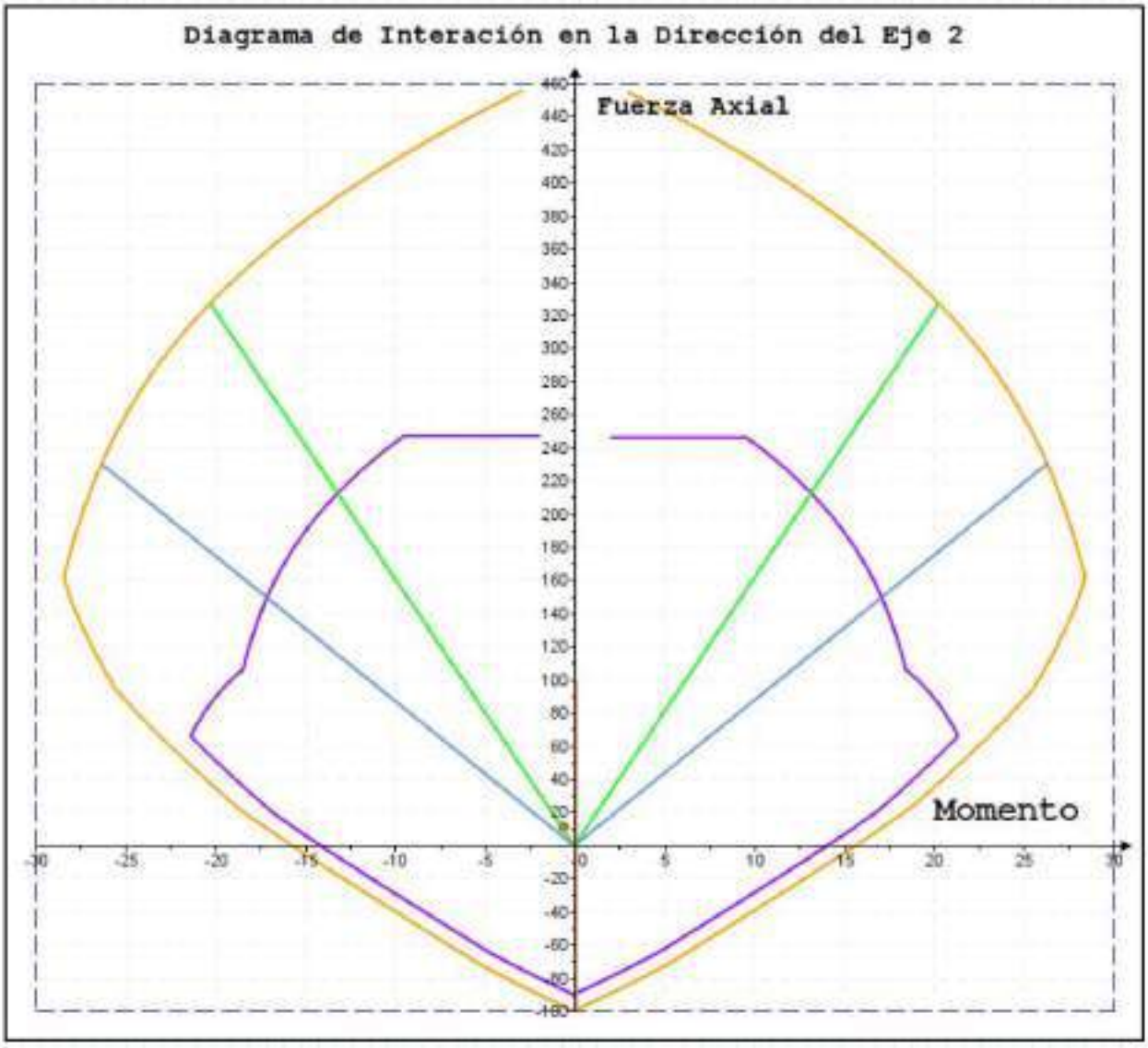
Dirección 3 $M_{ux} := [10.97]\ tonnef \cdot m$

DIAGRAMA DE INTERACIÓN UNIAXIAL EJE 2

UNIDADES PARA EL DIAGRAMA DE INTERACCIÓN EN EL EJE 2

Fuerza Axial $Fuerza := tonnef$

Momento $Momento := tonnef \cdot m$



LEYENDA:

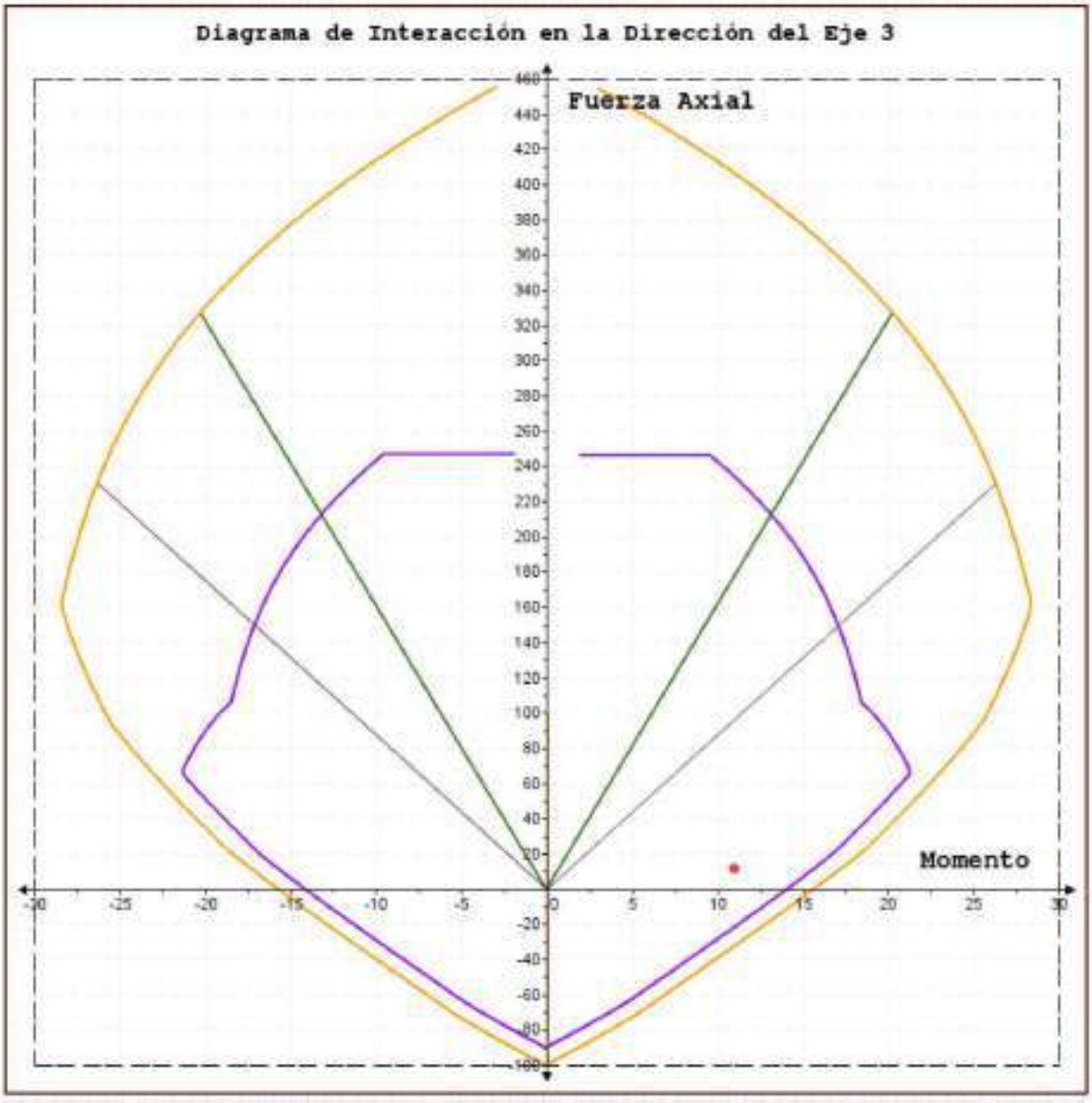
Curva sin ϕ

Curva con ϕ

DIAGRAMA DE INTERACIÓN UNIAXIAL EJE 3

UNIDADES PARA EL DIAGRAMA DE INTERACCIÓN EN EL EJE 3

- Fuerza Axial — *Fuerza* := **tonnef**
- Momento — *Momento* := **tonnef·m**



LEYENDA:

Curva sin ϕ

Curva con ϕ

Table: Concrete Beam Design Summary - ACI 318-08, Part 1 of 4

Table: Concrete Beam Design Summary - ACI 318-08, Part 1 of 4

Story	Label	UniqueName	DesignSect	Station	Status	AsTopCombo	AsMinTop	AsTop
Unitless	Unitless	Unitless	Unitless	m	Unitless	Unitless	m²	m²
NV	B13	193	V(30x40)	0.15	No Message	B.2.4-5b	0.000177	0.000177
NV	B13	193	V(30x40)	0.605	No Message	B.2.4-5b	0.000118	0.000118
NV	B13	193	V(30x40)	1.06	No Message	B.2.4-7b	7E-05	7E-05
NV	B13	193	V(30x40)	1.515	No Message	B.2.4-5b	5E-05	5E-05
NV	B13	193	V(30x40)	1.97	No Message	B.2.4-5b	5E-05	5E-05
NV	B13	193	V(30x40)	2.425	No Message	B.2.4-5b	5E-05	5E-05
NV	B13	193	V(30x40)	2.88	No Message	B.2.4-5b	5E-05	5E-05
NV	B13	193	V(30x40)	3.335	No Message	B.2.4-5b	5E-05	5E-05
NV	B13	193	V(30x40)	3.79	No Message	B.2.4-7b	5.4E-05	5.4E-05
NV	B13	193	V(30x40)	4.245	No Message	B.2.4-5b	9.4E-05	9.4E-05
NV	B13	193	V(30x40)	4.7	No Message	B.2.4-5b	0.000147	0.000147
NV	B33	194	V(30x40)	0.15	No Message	B.2.4-5b	0.000149	0.000149
NV	B33	194	V(30x40)	0.605	No Message	B.2.4-5b	9.5E-05	9.5E-05
NV	B33	194	V(30x40)	1.06	No Message	B.2.4-7b	5.3E-05	5.3E-05
NV	B33	194	V(30x40)	1.515	No Message	B.2.4-5b	4.2E-05	4.2E-05
NV	B33	194	V(30x40)	1.97	No Message	B.2.4-5b	4.2E-05	4.2E-05
NV	B33	194	V(30x40)	2.425	No Message	B.2.4-5b	4.2E-05	4.2E-05
NV	B33	194	V(30x40)	2.88	No Message	B.2.4-5b	4.2E-05	4.2E-05
NV	B33	194	V(30x40)	3.335	No Message	B.2.4-5b	4.2E-05	4.2E-05
NV	B33	194	V(30x40)	3.79	No Message	B.2.4-7b	4.9E-05	4.9E-05
NV	B33	194	V(30x40)	4.245	No Message	B.2.4-5b	9E-05	9E-05
NV	B33	194	V(30x40)	4.7	No Message	B.2.4-5b	0.000145	0.000145
NV	B301	200	V(30x40)	0.15	No Message	B.2.4-5b	9.5E-05	9.5E-05
NV	B301	200	V(30x40)	0.62556	No Message	B.2.4-5b	5.5E-05	5.5E-05
NV	B301	200	V(30x40)	1.10111	No Message	B.2.4-5b	5.5E-05	5.5E-05
NV	B301	200	V(30x40)	1.57667	No Message	B.2.4-5b	5.5E-05	5.5E-05
NV	B301	200	V(30x40)	2.05222	No Message	B.2.4-5b	5.5E-05	5.5E-05
NV	B301	200	V(30x40)	2.52778	No Message	B.2.4-5b	5.5E-05	5.5E-05
NV	B301	200	V(30x40)	3.00333	No Message	B.2.4-5b	5.5E-05	5.5E-05
NV	B301	200	V(30x40)	3.47889	No Message	B.2.4-5b	9.2E-05	9.2E-05
NV	B301	200	V(30x40)	3.95444	No Message	B.2.4-5b	0.000144	0.000144
NV	B301	200	V(30x40)	4.43	No Message	B.2.4-5b	0.000205	0.000205
NV	B323	206	V(30x40)	0.15	No Message	B.2.4-5b	6.9E-05	6.9E-05
NV	B323	206	V(30x40)	0.62556	No Message	B.2.4-5b	5.1E-05	5.1E-05
NV	B323	206	V(30x40)	1.10111	No Message	B.2.4-5b	5.1E-05	5.1E-05
NV	B323	206	V(30x40)	1.57667	No Message	B.2.4-5b	5.1E-05	5.1E-05
NV	B323	206	V(30x40)	2.05222	No Message	B.2.4-5b	5.1E-05	5.1E-05
NV	B323	206	V(30x40)	2.52778	No Message	B.2.4-5b	5.1E-05	5.1E-05
NV	B323	206	V(30x40)	3.00333	No Message	B.2.4-5b	5.1E-05	5.1E-05
NV	B323	206	V(30x40)	3.47889	No Message	B.2.4-5b	8.3E-05	8.3E-05
NV	B323	206	V(30x40)	3.95444	No Message	B.2.4-5b	0.000131	0.000131
NV	B323	206	V(30x40)	4.43	No Message	B.2.4-5b	0.000187	0.000187
NV	B403	213	V(30x40)	0.2	No Message	B.2.4-5b	0.000241	0.000241
NV	B403	213	V(30x40)	0.69444	No Message	B.2.4-5b	0.000163	0.000163
NV	B403	213	V(30x40)	1.18889	No Message	B.2.4-7b	9.7E-05	9.7E-05
NV	B403	213	V(30x40)	1.68333	No Message	B.2.4-5b	7E-05	7E-05
NV	B403	213	V(30x40)	2.17778	No Message	B.2.4-5b	7E-05	7E-05
NV	B403	213	V(30x40)	2.67222	No Message	B.2.4-5b	7E-05	7E-05
NV	B403	213	V(30x40)	3.16667	No Message	B.2.4-5b	7E-05	7E-05
NV	B403	213	V(30x40)	3.66111	No Message	B.2.4-7b	9.7E-05	9.7E-05
NV	B403	213	V(30x40)	4.15556	No Message	B.2.4-5b	0.000154	0.000154
NV	B403	213	V(30x40)	4.65	No Message	B.2.4-5b	0.000225	0.000225

Table: Concrete Beam Design Summary - ACI 318-08, Part 1 of 4

Story	Label	UniqueName	DesignSect	Station	Status	AsTopCombo	AsMinTop	AsTop
Unitless	Unitless	Unitless	Unitless	m	Unitless	Unitless	m²	m²
NV	B405	214	V(30x40)	0.2	No Message	B.2.4-5b	0.000315	0.000315
NV	B405	214	V(30x40)	0.69444	No Message	B.2.4-5b	0.000222	0.000222
NV	B405	214	V(30x40)	1.18889	No Message	B.2.4-5b	0.000138	0.000138
NV	B405	214	V(30x40)	1.68333	No Message	B.2.4-5b	9.3E-05	9.3E-05
NV	B405	214	V(30x40)	2.17778	No Message	B.2.4-5b	9.3E-05	9.3E-05
NV	B405	214	V(30x40)	2.67222	No Message	B.2.4-5b	9.3E-05	9.3E-05
NV	B405	214	V(30x40)	3.16667	No Message	B.2.4-5b	9.3E-05	9.3E-05
NV	B405	214	V(30x40)	3.66111	No Message	B.2.4-7b	0.000138	0.000138
NV	B405	214	V(30x40)	4.15556	No Message	B.2.4-7b	0.000207	0.000207
NV	B405	214	V(30x40)	4.65	No Message	B.2.4-5b	0.00029	0.00029
NV	B406	215	V(30x50)	0.2	No Message	B.2.4-5b	0.000226	0.000226
NV	B406	215	V(30x50)	0.68	No Message	B.2.4-5b	0.000148	0.000148
NV	B406	215	V(30x50)	1.16	No Message	B.2.4-5b	7.8E-05	7.8E-05
NV	B406	215	V(30x50)	1.64	No Message	B.2.4-3b	6.2E-05	6.2E-05
NV	B406	215	V(30x50)	2.12	No Message	B.2.4-3b	6.2E-05	6.2E-05
NV	B406	215	V(30x50)	2.6	No Message	B.2.4-3b	6.2E-05	6.2E-05
NV	B406	215	V(30x50)	3.08	No Message	B.2.4-3b	6.2E-05	6.2E-05
NV	B406	215	V(30x50)	3.56	No Message	B.2.4-3b	6.2E-05	6.2E-05
NV	B406	215	V(30x50)	4.04	No Message	B.2.4-3b	6.2E-05	6.2E-05
NV	B406	215	V(30x50)	4.04	No Message	B.2.4-3b	5.8E-05	5.8E-05
NV	B406	215	V(30x50)	4.52	No Message	B.2.4-3b	5.8E-05	5.8E-05
NV	B406	215	V(30x50)	5	No Message	B.2.4-3b	5.8E-05	5.8E-05
NV	B406	215	V(30x50)	5.48	No Message	B.2.4-3b	5.8E-05	5.8E-05
NV	B406	215	V(30x50)	5.96	No Message	B.2.4-3b	5.8E-05	5.8E-05
NV	B406	215	V(30x50)	6.44	No Message	B.2.4-3b	5.8E-05	5.8E-05
NV	B406	215	V(30x50)	6.92	No Message	B.2.4-5b	0.000119	0.000119
NV	B406	215	V(30x50)	7.4	No Message	B.2.4-3b	0.000214	0.000214
NV	B406	215	V(30x50)	7.88	No Message	B.2.4-3b	0.000322	0.000322
NV	B434	217	V(30x50)	0.2	No Message	B.2.4-3b	0.000288	0.000288
NV	B434	217	V(30x50)	0.67556	No Message	B.2.4-5b	0.000188	0.000188
NV	B434	217	V(30x50)	1.15111	No Message	B.2.4-3b	0.00018	0.00018
NV	B434	217	V(30x50)	1.62667	No Message	B.2.4-3b	0.00018	0.00018
NV	B434	217	V(30x50)	2.10222	No Message	B.2.4-3b	0.00018	0.00018
NV	B434	217	V(30x50)	2.57778	No Message	B.2.4-3b	0.00018	0.00018
NV	B434	217	V(30x50)	3.05333	No Message	B.2.4-3b	0.00018	0.00018
NV	B434	217	V(30x50)	3.52889	No Message	B.2.4-3b	0.00018	0.00018
NV	B434	217	V(30x50)	4.00444	No Message	B.2.4-3b	0.00018	0.00018
NV	B434	217	V(30x50)	4.48	No Message	B.2.4-3b	0.00018	0.00018
NV	B434	217	V(30x50)	4.48	No Message	B.2.4-3b	0.00015	0.00015
NV	B434	217	V(30x50)	4.96	No Message	B.2.4-3b	0.00015	0.00015
NV	B434	217	V(30x50)	5.44	No Message	B.2.4-3b	0.00015	0.00015
NV	B434	217	V(30x50)	5.92	No Message	B.2.4-3b	0.00015	0.00015
NV	B434	217	V(30x50)	6.4	No Message	B.2.4-3b	0.00015	0.00015
NV	B434	217	V(30x50)	6.88	No Message	B.2.4-3b	0.00015	0.00015
NV	B434	217	V(30x50)	7.36	No Message	B.2.4-3b	0.000312	0.000312
NV	B434	217	V(30x50)	7.84	No Message	B.2.4-3b	0.000452	0.000452
NV	B434	217	V(30x50)	8.32	No Message	B.2.4-3b	0.000452	0.000528
NV	B408	2	V(30x40)	0.2	No Message	B.2.4-5b	0.000178	0.000178
NV	B408	2	V(30x40)	0.69666	No Message	B.2.4-5b	0.000113	0.000113
NV	B408	2	V(30x40)	1.19332	No Message	B.2.4-7b	6.1E-05	6.1E-05
NV	B408	2	V(30x40)	1.68997	No Message	B.2.4-5b	4.9E-05	4.9E-05
NV	B408	2	V(30x40)	2.18663	No Message	B.2.4-5b	4.9E-05	4.9E-05
NV	B408	2	V(30x40)	2.68329	No Message	B.2.4-5b	4.9E-05	4.9E-05

Table: Concrete Beam Design Summary - ACI 318-08, Part 1 of 4

Story	Label	UniqueName	DesignSect	Station	Status	AsTopCombo	AsMinTop	AsTop
Unitless	Unitless	Unitless	Unitless	m	Unitless	Unitless	m²	m²
NV	B408	2	V(30x40)	3.17995	No Message	B.2.4-5b	4.9E-05	4.9E-05
NV	B408	2	V(30x40)	3.6766	No Message	B.2.4-7b	6.4E-05	6.4E-05
NV	B408	2	V(30x40)	4.17326	No Message	B.2.4-5b	0.000111	0.000111
NV	B408	2	V(30x40)	4.66992	No Message	B.2.4-5b	0.000173	0.000173
NV	B436	123	V(30x40)	0.2	No Message	B.2.4-5b	0.00017	0.00017
NV	B436	123	V(30x40)	0.695	No Message	B.2.4-5b	0.000115	0.000115
NV	B436	123	V(30x40)	1.19	No Message	B.2.4-5b	7E-05	7E-05
NV	B436	123	V(30x40)	1.685	No Message	B.2.4-5b	4.9E-05	4.9E-05
NV	B436	123	V(30x40)	2.18	No Message	B.2.4-5b	4.9E-05	4.9E-05
NV	B436	123	V(30x40)	2.675	No Message	B.2.4-5b	4.9E-05	4.9E-05
NV	B436	123	V(30x40)	3.17	No Message	B.2.4-5b	7.2E-05	7.2E-05
NV	B470	220	V(30x40)	0.2	No Message	B.2.4-3b	0.000272	0.000272
NV	B470	220	V(30x40)	0.695	No Message	B.2.4-3b	0.000199	0.000199
NV	B470	220	V(30x40)	1.19	No Message	B.2.4-3b	0.000135	0.000135
NV	B470	220	V(30x40)	1.685	No Message	B.2.4-3b	8E-05	8E-05
NV	B470	220	V(30x40)	2.18	No Message	B.2.4-5b	6E-05	6E-05
NV	B470	220	V(30x40)	2.675	No Message	B.2.4-5b	6E-05	6E-05
NV	B470	220	V(30x40)	3.17	No Message	B.2.4-5b	7.8E-05	7.8E-05
NV	B482	216	V(30x50)	0.2	No Message	B.2.4-3b	0.000361	0.000361
NV	B482	216	V(30x50)	0.69611	No Message	B.2.4-3b	0.000242	0.000242
NV	B482	216	V(30x50)	1.19222	No Message	B.2.4-5b	0.000135	0.000135
NV	B482	216	V(30x50)	1.68833	No Message	B.2.4-3b	6.3E-05	6.3E-05
NV	B482	216	V(30x50)	2.18444	No Message	B.2.4-3b	6.3E-05	6.3E-05
NV	B482	216	V(30x50)	2.68056	No Message	B.2.4-3b	6.3E-05	6.3E-05
NV	B482	216	V(30x50)	3.17667	No Message	B.2.4-3b	6.3E-05	6.3E-05
NV	B482	216	V(30x50)	3.67278	No Message	B.2.4-3b	6.3E-05	6.3E-05
NV	B482	216	V(30x50)	4.16889	No Message	B.2.4-3b	6.3E-05	6.3E-05
NV	B482	216	V(30x50)	4.665	No Message	B.2.4-3b	6.3E-05	6.3E-05
NV	B482	216	V(30x50)	4.665	No Message	B.2.4-3b	6.2E-05	6.2E-05
NV	B482	216	V(30x50)	5.16111	No Message	B.2.4-3b	6.2E-05	6.2E-05
NV	B482	216	V(30x50)	5.65722	No Message	B.2.4-3b	6.2E-05	6.2E-05
NV	B482	216	V(30x50)	6.15333	No Message	B.2.4-3b	6.2E-05	6.2E-05
NV	B482	216	V(30x50)	6.64944	No Message	B.2.4-3b	6.2E-05	6.2E-05
NV	B482	216	V(30x50)	7.14556	No Message	B.2.4-3b	6.2E-05	6.2E-05
NV	B482	216	V(30x50)	7.64167	No Message	B.2.4-3b	6.2E-05	6.2E-05
NV	B482	216	V(30x50)	8.13778	No Message	B.2.4-5b	0.000122	0.000122
NV	B482	216	V(30x50)	8.63389	No Message	B.2.4-5b	0.000208	0.000208
NV	B482	216	V(30x50)	9.13	No Message	B.2.4-3b	0.000317	0.000317
NV	B488	218	V(30x50)	0.2	No Message	B.2.4-3b	0.000452	0.000538
NV	B488	218	V(30x50)	0.69611	No Message	B.2.4-4b	0.000452	0.000452
NV	B488	218	V(30x50)	1.19222	No Message	B.2.4-3b	0.000328	0.000328
NV	B488	218	V(30x50)	1.68833	No Message	B.2.4-3b	0.000157	0.000157
NV	B488	218	V(30x50)	2.18444	No Message	B.2.4-3b	0.000157	0.000157
NV	B488	218	V(30x50)	2.68056	No Message	B.2.4-3b	0.000157	0.000157
NV	B488	218	V(30x50)	3.17667	No Message	B.2.4-3b	0.000157	0.000157
NV	B488	218	V(30x50)	3.67278	No Message	B.2.4-3b	0.000157	0.000157
NV	B488	218	V(30x50)	4.16889	No Message	B.2.4-3b	0.000157	0.000157
NV	B488	218	V(30x50)	4.665	No Message	B.2.4-3b	0.000157	0.000157
NV	B488	218	V(30x50)	4.665	No Message	B.2.4-3b	0.000159	0.000159
NV	B488	218	V(30x50)	5.16111	No Message	B.2.4-3b	0.000159	0.000159
NV	B488	218	V(30x50)	5.65722	No Message	B.2.4-3b	0.000159	0.000159
NV	B488	218	V(30x50)	6.15333	No Message	B.2.4-3b	0.000159	0.000159
NV	B488	218	V(30x50)	6.64944	No Message	B.2.4-3b	0.000159	0.000159

Table: Concrete Beam Design Summary - ACI 318-08, Part 1 of 4

Story	Label	UniqueName	DesignSect	Station	Status	AsTopCombo	AsMinTop	AsTop
Unitless	Unitless	Unitless	Unitless	m	Unitless	Unitless	m²	m²
NV	B488	218	V(30x50)	7.14556	No Message	B.2.4-3b	0.000159	0.000159
NV	B488	218	V(30x50)	7.64167	No Message	B.2.4-3b	0.000159	0.000159
NV	B488	218	V(30x50)	8.13778	No Message	B.2.4-3b	0.000171	0.000171
NV	B488	218	V(30x50)	8.63389	No Message	B.2.4-3b	0.000334	0.000334
NV	B488	218	V(30x50)	9.13	No Message	B.2.4-4b	0.000452	0.000452
NV	B1	221	V(20x40)	0	No Message	B.2.4-5b	5.7E-05	5.7E-05
NV	B1	221	V(20x40)	0.485	No Message	B.2.4-5b	2.8E-05	2.8E-05
NV	B1	221	V(20x40)	0.97	No Message	B.2.4-5b	2E-05	2E-05
NV	B1	221	V(20x40)	1.455	No Message	B.2.4-5b	2E-05	2E-05
NV	B1	221	V(20x40)	1.94	No Message	B.2.4-5b	2E-05	2E-05
NV	B1	221	V(20x40)	2.425	No Message	B.2.4-5b	2E-05	2E-05
NV	B1	221	V(20x40)	2.91	No Message	B.2.4-5b	2E-05	2E-05
NV	B1	221	V(20x40)	3.395	No Message	B.2.4-5b	2E-05	2E-05
NV	B1	221	V(20x40)	3.88	No Message	B.2.4-5b	2E-05	2E-05
NV	B1	221	V(20x40)	4.365	No Message	B.2.4-5b	2.4E-05	2.4E-05
NV	B1	221	V(20x40)	4.85	No Message	B.2.4-5b	5.4E-05	5.4E-05
NV	B2	222	V(30x40)	0.15	No Message	B.2.4-5b	0.000131	0.000131
NV	B2	222	V(30x40)	0.6	No Message	B.2.4-5b	7.6E-05	7.6E-05
NV	B2	222	V(30x40)	1.05	No Message	B.2.4-5b	3.3E-05	3.3E-05
NV	B2	222	V(30x40)	1.5	No Message	B.2.4-7b	2E-06	2E-06
NV	B3	224	V(30x40)	0.15	No Message	B.2.4-5b	0.000124	0.000124
NV	B3	224	V(30x40)	0.6	No Message	B.2.4-5b	7.4E-05	7.4E-05
NV	B3	224	V(30x40)	1.05	No Message	B.2.4-5b	3.3E-05	3.3E-05
NV	B3	224	V(30x40)	1.5	No Message	B.2.4-7b	4E-06	4E-06

Table: Concrete Beam Design Summary - ACI 318-08, Part 2 of 4

Table: Concrete Beam Design Summary - ACI 318-08, Part 2 of 4

Story	Label	UniqueName	Station	AsBotCombo	AsMinBot	AsBot	VCombo	VRebar
Unitless	Unitless	Unitless	m	Unitless	m²	m²	Unitless	m²/m
NV	B13	193	0.15	B.2.4-5b	9.2E-05	9.2E-05	B.2.4-7b	0.00025
NV	B13	193	0.605	B.2.4-7b	8.8E-05	8.8E-05	B.2.4-7b	0.00025
NV	B13	193	1.06	B.2.4-5b	8.9E-05	8.9E-05	B.2.4-7b	0.00025
NV	B13	193	1.515	B.2.4-5b	8.7E-05	8.7E-05	B.2.4-7b	0.00025
NV	B13	193	1.97	B.2.4-5b	7.8E-05	7.8E-05	B.2.4-7b	0.00025
NV	B13	193	2.425	B.2.4-1	6.3E-05	6.3E-05	B.2.4-7b	0.00025
NV	B13	193	2.88	B.2.4-5b	7.8E-05	7.8E-05	B.2.4-7b	0.00025
NV	B13	193	3.335	B.2.4-5b	9.2E-05	9.2E-05	B.2.4-7b	0.00025
NV	B13	193	3.79	B.2.4-5b	9.9E-05	9.9E-05	B.2.4-7b	0.00025
NV	B13	193	4.245	B.2.4-5b	9.9E-05	9.9E-05	B.2.4-7b	0.00025
NV	B13	193	4.7	B.2.4-7b	9.7E-05	9.7E-05	B.2.4-7b	0.00025
NV	B33	194	0.15	B.2.4-7b	8.7E-05	8.7E-05	B.2.4-7b	0.00025
NV	B33	194	0.605	B.2.4-5b	9E-05	9E-05	B.2.4-7b	0.00025
NV	B33	194	1.06	B.2.4-5b	9.5E-05	9.5E-05	B.2.4-7b	0.00025
NV	B33	194	1.515	B.2.4-5b	9.2E-05	9.2E-05	B.2.4-7b	0.00025
NV	B33	194	1.97	B.2.4-5b	8.2E-05	8.2E-05	B.2.4-7b	0.00025
NV	B33	194	2.425	B.2.4-1	6.9E-05	6.9E-05	B.2.4-7b	0.00025
NV	B33	194	2.88	B.2.4-5b	7.7E-05	7.7E-05	B.2.4-7b	0.00025
NV	B33	194	3.335	B.2.4-5b	8.7E-05	8.7E-05	B.2.4-7b	0.00025
NV	B33	194	3.79	B.2.4-5b	9E-05	9E-05	B.2.4-7b	0.00025
NV	B33	194	4.245	B.2.4-5b	8.6E-05	8.6E-05	B.2.4-7b	0.00025
NV	B33	194	4.7	B.2.4-7b	8.2E-05	8.2E-05	B.2.4-7b	0.00025

Table: Concrete Beam Design Summary - ACI 318-08, Part 2 of 4

Story	Label	UniqueName	Station	AsBotCombo	AsMinBot	AsBot	VCombo	VRebar
Unitless	Unitless	Unitless	m	Unitless	m²	m²	Unitless	m²/m
NV	B301	200	0.15	B.2.4-7b	6.5E-05	6.5E-05	B.2.4-7b	0.00025
NV	B301	200	0.62556	B.2.4-5b	6.4E-05	6.4E-05	B.2.4-7b	0.00025
NV	B301	200	1.10111	B.2.4-5b	6E-05	6E-05	B.2.4-7b	0.00025
NV	B301	200	1.57667	B.2.4-5b	5.5E-05	5.5E-05	B.2.4-7b	0.00025
NV	B301	200	2.05222	B.2.4-5b	5.5E-05	5.5E-05	B.2.4-7b	0.00025
NV	B301	200	2.52778	B.2.4-5b	5.5E-05	5.5E-05	B.2.4-7b	0.00025
NV	B301	200	3.00333	B.2.4-5b	5.5E-05	5.5E-05	B.2.4-7b	0.00025
NV	B301	200	3.47889	B.2.4-5b	5.5E-05	5.5E-05	B.2.4-7b	0.00025
NV	B301	200	3.95444	B.2.4-5b	5.5E-05	5.5E-05	B.2.4-7b	0.00025
NV	B301	200	4.43	B.2.4-5b	0.000105	0.000105	B.2.4-7b	0.00025
NV	B323	206	0.15	B.2.4-7b	4.4E-05	4.4E-05	B.2.4-7b	0.00025
NV	B323	206	0.62556	B.2.4-5b	5.1E-05	5.1E-05	B.2.4-7b	0.00025
NV	B323	206	1.10111	B.2.4-5b	5.1E-05	5.1E-05	B.2.4-7b	0.00025
NV	B323	206	1.57667	B.2.4-5b	5.1E-05	5.1E-05	B.2.4-7b	0.00025
NV	B323	206	2.05222	B.2.4-5b	5.1E-05	5.1E-05	B.2.4-7b	0.00025
NV	B323	206	2.52778	B.2.4-5b	5.1E-05	5.1E-05	B.2.4-7b	0.00025
NV	B323	206	3.00333	B.2.4-5b	5.1E-05	5.1E-05	B.2.4-7b	0.00025
NV	B323	206	3.47889	B.2.4-5b	5.1E-05	5.1E-05	B.2.4-7b	0.00025
NV	B323	206	3.95444	B.2.4-5b	5.1E-05	5.1E-05	B.2.4-7b	0.00025
NV	B323	206	4.43	B.2.4-5b	9.6E-05	9.6E-05	B.2.4-7b	0.00025
NV	B403	213	0.2	B.2.4-7b	0.000139	0.000139	B.2.4-7b	0.00025
NV	B403	213	0.69444	B.2.4-7b	0.000128	0.000128	B.2.4-7b	0.00025
NV	B403	213	1.18889	B.2.4-5b	0.000114	0.000114	B.2.4-7b	0.00025
NV	B403	213	1.68333	B.2.4-5b	9.5E-05	9.5E-05	B.2.4-7b	0.00025
NV	B403	213	2.17778	B.2.4-5b	7E-05	7E-05	B.2.4-7b	0.00025
NV	B403	213	2.67222	B.2.4-5b	8.4E-05	8.4E-05	B.2.4-7b	0.00025
NV	B403	213	3.16667	B.2.4-5b	0.000117	0.000117	B.2.4-7b	0.00025
NV	B403	213	3.66111	B.2.4-5b	0.000142	0.000142	B.2.4-7b	0.00025
NV	B403	213	4.15556	B.2.4-5b	0.000159	0.000159	B.2.4-7b	0.00025
NV	B403	213	4.65	B.2.4-7b	0.000173	0.000173	B.2.4-7b	0.00025
NV	B405	214	0.2	B.2.4-7b	0.000197	0.000197	B.2.4-5b	0.00027
NV	B405	214	0.69444	B.2.4-7b	0.000174	0.000174	B.2.4-5b	0.00026
NV	B405	214	1.18889	B.2.4-5b	0.000146	0.000146	B.2.4-7b	0.00025
NV	B405	214	1.68333	B.2.4-5b	0.000115	0.000115	B.2.4-7b	0.00025
NV	B405	214	2.17778	B.2.4-5b	9.3E-05	9.3E-05	B.2.4-7b	0.00025
NV	B405	214	2.67222	B.2.4-5b	0.0001	0.0001	B.2.4-7b	0.00025
NV	B405	214	3.16667	B.2.4-5b	0.000149	0.000149	B.2.4-7b	0.00025
NV	B405	214	3.66111	B.2.4-5b	0.000189	0.000189	B.2.4-7b	0.00025
NV	B405	214	4.15556	B.2.4-5b	0.000221	0.000221	B.2.4-5b	0.00026
NV	B405	214	4.65	B.2.4-7b	0.000249	0.000249	B.2.4-5b	0.00027
NV	B406	215	0.2	B.2.4-5b	0.000102	0.000102	B.2.4-7b	0
NV	B406	215	0.68	B.2.4-3b	6.2E-05	6.2E-05	B.2.4-7b	0
NV	B406	215	1.16	B.2.4-3b	6.2E-05	6.2E-05	B.2.4-7b	0
NV	B406	215	1.64	B.2.4-7b	6.5E-05	6.5E-05	B.2.4-7b	0
NV	B406	215	2.12	B.2.4-5b	9.4E-05	9.4E-05	B.2.4-7b	0
NV	B406	215	2.6	B.2.4-3b	0.000124	0.000124	B.2.4-7b	0
NV	B406	215	3.08	B.2.4-3b	0.000172	0.000172	B.2.4-7b	0
NV	B406	215	3.56	B.2.4-3b	0.000211	0.000211	B.2.4-7b	0
NV	B406	215	4.04	B.2.4-3b	0.000242	0.000242	B.2.4-7b	0
NV	B406	215	4.04	B.2.4-3b	0.000248	0.000248	B.2.4-7b	0
NV	B406	215	4.52	B.2.4-3b	0.000197	0.000197	B.2.4-7b	0
NV	B406	215	5	B.2.4-3b	0.000138	0.000138	B.2.4-7b	0
NV	B406	215	5.48	B.2.4-5b	7.1E-05	7.1E-05	B.2.4-7b	0

Table: Concrete Beam Design Summary - ACI 318-08, Part 2 of 4

Story	Label	UniqueName	Station	AsBotCombo	AsMinBot	AsBot	VCombo	VRebar
Unitless	Unitless	Unitless	m	Unitless	m²	m²	Unitless	m²/m
NV	B406	215	5.96	B.2.4-3b	5.8E-05	5.8E-05	B.2.4-7b	0
NV	B406	215	6.44	B.2.4-3b	5.8E-05	5.8E-05	B.2.4-7b	0
NV	B406	215	6.92	B.2.4-3b	5.8E-05	5.8E-05	B.2.4-7b	0
NV	B406	215	7.4	B.2.4-3b	5.8E-05	5.8E-05	B.2.4-7b	0
NV	B406	215	7.88	B.2.4-3b	0.000145	0.000145	B.2.4-7b	0
NV	B434	217	0.2	B.2.4-3b	0.000144	0.000144	B.2.4-7b	0
NV	B434	217	0.67556	B.2.4-3b	0.00018	0.00018	B.2.4-7b	0
NV	B434	217	1.15111	B.2.4-3b	0.00018	0.00018	B.2.4-7b	0
NV	B434	217	1.62667	B.2.4-3b	0.00018	0.00018	B.2.4-7b	0
NV	B434	217	2.10222	B.2.4-3b	0.00018	0.00018	B.2.4-7b	0
NV	B434	217	2.57778	B.2.4-3b	0.000273	0.000273	B.2.4-7b	0
NV	B434	217	3.05333	B.2.4-3b	0.000363	0.000363	B.2.4-7b	0
NV	B434	217	3.52889	B.2.4-3b	0.000445	0.000445	B.2.4-7b	0
NV	B434	217	4.00444	B.2.4-4b	0.000452	0.000452	B.2.4-7b	0
NV	B434	217	4.48	B.2.4-4b	0.000452	0.000452	B.2.4-7b	0
NV	B434	217	4.48	B.2.4-4b	0.000452	0.000452	B.2.4-7b	0
NV	B434	217	4.96	B.2.4-3b	0.000441	0.000441	B.2.4-7b	0
NV	B434	217	5.44	B.2.4-3b	0.000293	0.000293	B.2.4-7b	0
NV	B434	217	5.92	B.2.4-3b	0.00015	0.00015	B.2.4-7b	0
NV	B434	217	6.4	B.2.4-3b	0.00015	0.00015	B.2.4-7b	0
NV	B434	217	6.88	B.2.4-3b	0.00015	0.00015	B.2.4-3b	0.00025
NV	B434	217	7.36	B.2.4-3b	0.00015	0.00015	B.2.4-3b	0.00025
NV	B434	217	7.84	B.2.4-3b	0.00015	0.00015	B.2.4-3b	0.00025
NV	B434	217	8.32	B.2.4-3b	0.000332	0.000332	B.2.4-4b	0.00025
NV	B408	2	0.2	B.2.4-7b	9.2E-05	9.2E-05	B.2.4-7b	0.00025
NV	B408	2	0.69666	B.2.4-7b	9.1E-05	9.1E-05	B.2.4-7b	0.00025
NV	B408	2	1.19332	B.2.4-5b	8.8E-05	8.8E-05	B.2.4-7b	0.00025
NV	B408	2	1.68997	B.2.4-5b	7.8E-05	7.8E-05	B.2.4-7b	0.00025
NV	B408	2	2.18663	B.2.4-5b	6.1E-05	6.1E-05	B.2.4-7b	0.00025
NV	B408	2	2.68329	B.2.4-5b	7.2E-05	7.2E-05	B.2.4-7b	0.00025
NV	B408	2	3.17995	B.2.4-5b	9.3E-05	9.3E-05	B.2.4-7b	0.00025
NV	B408	2	3.6766	B.2.4-5b	0.000106	0.000106	B.2.4-7b	0.00025
NV	B408	2	4.17326	B.2.4-5b	0.00011	0.00011	B.2.4-7b	0.00025
NV	B408	2	4.66992	B.2.4-7b	0.000114	0.000114	B.2.4-7b	0.00025
NV	B436	123	0.2	B.2.4-5b	8.9E-05	8.9E-05	B.2.4-7b	0.00025
NV	B436	123	0.695	B.2.4-5b	4.9E-05	4.9E-05	B.2.4-7b	0.00025
NV	B436	123	1.19	B.2.4-5b	4.9E-05	4.9E-05	B.2.4-7b	0.00025
NV	B436	123	1.685	B.2.4-5b	4.9E-05	4.9E-05	B.2.4-7b	0.00025
NV	B436	123	2.18	B.2.4-5b	4.9E-05	4.9E-05	B.2.4-7b	0.00025
NV	B436	123	2.675	B.2.4-5b	4.9E-05	4.9E-05	B.2.4-7b	0.00025
NV	B436	123	3.17	B.2.4-7b	4.8E-05	4.8E-05	B.2.4-7b	0.00025
NV	B470	220	0.2	B.2.4-3b	0.000127	0.000127	B.2.4-7b	0.00025
NV	B470	220	0.695	B.2.4-5b	6E-05	6E-05	B.2.4-7b	0.00025
NV	B470	220	1.19	B.2.4-5b	6E-05	6E-05	B.2.4-7b	0.00025
NV	B470	220	1.685	B.2.4-5b	6E-05	6E-05	B.2.4-7b	0.00025
NV	B470	220	2.18	B.2.4-5b	6E-05	6E-05	B.2.4-7b	0.00025
NV	B470	220	2.675	B.2.4-5b	6E-05	6E-05	B.2.4-7b	0.00025
NV	B470	220	3.17	B.2.4-7b	6.6E-05	6.6E-05	B.2.4-7b	0.00025
NV	B482	216	0.2	B.2.4-3b	0.000161	0.000161	B.2.4-7b	0
NV	B482	216	0.69611	B.2.4-3b	6.3E-05	6.3E-05	B.2.4-7b	0
NV	B482	216	1.19222	B.2.4-3b	6.3E-05	6.3E-05	B.2.4-7b	0
NV	B482	216	1.68833	B.2.4-3b	6.3E-05	6.3E-05	B.2.4-7b	0
NV	B482	216	2.18444	B.2.4-3b	6.3E-05	6.3E-05	B.2.4-7b	0

Table: Concrete Beam Design Summary - ACI 318-08, Part 2 of 4

Story	Label	UniqueName	Station	AsBotCombo	AsMinBot	AsBot	VCombo	VRebar
Unitless	Unitless	Unitless	m	Unitless	m²	m²	Unitless	m²/m
NV	B482	216	2.68056	B.2.4-5b	8.9E-05	8.9E-05	B.2.4-7b	0
NV	B482	216	3.17667	B.2.4-3b	0.000146	0.000146	B.2.4-7b	0
NV	B482	216	3.67278	B.2.4-3b	0.000212	0.000212	B.2.4-7b	0
NV	B482	216	4.16889	B.2.4-3b	0.000271	0.000271	B.2.4-7b	0
NV	B482	216	4.665	B.2.4-3b	0.000321	0.000321	B.2.4-7b	0
NV	B482	216	4.665	B.2.4-3b	0.000323	0.000323	B.2.4-7b	0
NV	B482	216	5.16111	B.2.4-3b	0.000278	0.000278	B.2.4-7b	0
NV	B482	216	5.65722	B.2.4-3b	0.000223	0.000223	B.2.4-7b	0
NV	B482	216	6.15333	B.2.4-3b	0.000161	0.000161	B.2.4-7b	0
NV	B482	216	6.64944	B.2.4-5b	9.4E-05	9.4E-05	B.2.4-7b	0
NV	B482	216	7.14556	B.2.4-3b	6.2E-05	6.2E-05	B.2.4-7b	0
NV	B482	216	7.64167	B.2.4-3b	6.2E-05	6.2E-05	B.2.4-7b	0
NV	B482	216	8.13778	B.2.4-3b	6.2E-05	6.2E-05	B.2.4-7b	0
NV	B482	216	8.63389	B.2.4-3b	6.2E-05	6.2E-05	B.2.4-7b	0
NV	B482	216	9.13	B.2.4-3b	0.000139	0.000139	B.2.4-7b	0
NV	B488	218	0.2	B.2.4-3b	0.00034	0.00034	B.2.4-5b	0.00025
NV	B488	218	0.69611	B.2.4-3b	0.000157	0.000157	B.2.4-5b	0.00025
NV	B488	218	1.19222	B.2.4-3b	0.000157	0.000157	B.2.4-3b	0.00025
NV	B488	218	1.68833	B.2.4-3b	0.000157	0.000157	B.2.4-7b	0
NV	B488	218	2.18444	B.2.4-3b	0.000157	0.000157	B.2.4-7b	0
NV	B488	218	2.68056	B.2.4-3b	0.000157	0.000157	B.2.4-7b	0
NV	B488	218	3.17667	B.2.4-3b	0.000275	0.000275	B.2.4-7b	0
NV	B488	218	3.67278	B.2.4-3b	0.000419	0.000419	B.2.4-7b	0
NV	B488	218	4.16889	B.2.4-4b	0.000452	0.000452	B.2.4-7b	0
NV	B488	218	4.665	B.2.4-3b	0.000452	0.000515	B.2.4-7b	0
NV	B488	218	4.665	B.2.4-3b	0.000452	0.000515	B.2.4-7b	0
NV	B488	218	5.16111	B.2.4-4b	0.000452	0.000452	B.2.4-7b	0
NV	B488	218	5.65722	B.2.4-3b	0.000452	0.000452	B.2.4-7b	0
NV	B488	218	6.15333	B.2.4-3b	0.000344	0.000344	B.2.4-7b	0
NV	B488	218	6.64944	B.2.4-3b	0.000215	0.000215	B.2.4-7b	0
NV	B488	218	7.14556	B.2.4-3b	0.000159	0.000159	B.2.4-7b	0
NV	B488	218	7.64167	B.2.4-3b	0.000159	0.000159	B.2.4-7b	0
NV	B488	218	8.13778	B.2.4-3b	0.000159	0.000159	B.2.4-7b	0
NV	B488	218	8.63389	B.2.4-3b	0.000159	0.000159	B.2.4-5b	0.00025
NV	B488	218	9.13	B.2.4-3b	0.00024	0.00024	B.2.4-5b	0.00025
NV	B1	221	0	B.2.4-5b	3.2E-05	3.2E-05	B.2.4-7b	0
NV	B1	221	0.485	B.2.4-5b	2.9E-05	2.9E-05	B.2.4-7b	0
NV	B1	221	0.97	B.2.4-5b	4.4E-05	4.4E-05	B.2.4-7b	0
NV	B1	221	1.455	B.2.4-5b	5.3E-05	5.3E-05	B.2.4-7b	0
NV	B1	221	1.94	B.2.4-5b	5.6E-05	5.6E-05	B.2.4-7b	0
NV	B1	221	2.425	B.2.4-1	5.7E-05	5.7E-05	B.2.4-7b	0
NV	B1	221	2.91	B.2.4-1	5.3E-05	5.3E-05	B.2.4-7b	0
NV	B1	221	3.395	B.2.4-5b	4.7E-05	4.7E-05	B.2.4-7b	0
NV	B1	221	3.88	B.2.4-5b	3.8E-05	3.8E-05	B.2.4-7b	0
NV	B1	221	4.365	B.2.4-5b	2.3E-05	2.3E-05	B.2.4-7b	0
NV	B1	221	4.85	B.2.4-5b	3E-05	3E-05	B.2.4-7b	0
NV	B2	222	0.15	B.2.4-5b	6.6E-05	6.6E-05	B.2.4-7b	0.00025
NV	B2	222	0.6	B.2.4-5b	3.3E-05	3.3E-05	B.2.4-7b	0.00025
NV	B2	222	1.05	B.2.4-5b	3.3E-05	3.3E-05	B.2.4-7b	0.00025
NV	B2	222	1.5	B.2.4-5b	1.6E-05	1.6E-05	B.2.4-7b	0.00025
NV	B3	224	0.15	B.2.4-5b	6.3E-05	6.3E-05	B.2.4-7b	0.00025
NV	B3	224	0.6	B.2.4-5b	3.3E-05	3.3E-05	B.2.4-7b	0.00025
NV	B3	224	1.05	B.2.4-5b	3.3E-05	3.3E-05	B.2.4-7b	0.00025

Table: Concrete Beam Design Summary - ACI 318-08, Part 2 of 4

Story	Label	UniqueName	Station	AsBotCombo	AsMinBot	AsBot	VCombo	VRebar
Unitless	Unitless	Unitless	m	Unitless	m²	m²	Unitless	m²/m
NV	B3	224	1.5	B.2.4-5b	1.6E-05	1.6E-05	B.2.4-7b	0.00025

Table: Concrete Beam Design Summary - ACI 318-08, Part 3 of 4

Table: Concrete Beam Design Summary - ACI 318-08, Part 3 of 4

Story	Label	UniqueName	Station	TLngCombo	TLngRebar	TTrnCombo	TTrnRebar	WarnMsg
Unitless	Unitless	Unitless	m	Unitless	m²	Unitless	m²/m	Unitless
NV	B13	193	0.15	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B13	193	0.605	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B13	193	1.06	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B13	193	1.515	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B13	193	1.97	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B13	193	2.425	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B13	193	2.88	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B13	193	3.335	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B13	193	3.79	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B13	193	4.245	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B13	193	4.7	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B33	194	0.15	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B33	194	0.605	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B33	194	1.06	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B33	194	1.515	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B33	194	1.97	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B33	194	2.425	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B33	194	2.88	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B33	194	3.335	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B33	194	3.79	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B33	194	4.245	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B33	194	4.7	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B301	200	0.15	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B301	200	0.62556	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B301	200	1.10111	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B301	200	1.57667	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B301	200	2.05222	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B301	200	2.52778	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B301	200	3.00333	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B301	200	3.47889	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B301	200	3.95444	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B301	200	4.43	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B323	206	0.15	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B323	206	0.62556	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B323	206	1.10111	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B323	206	1.57667	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B323	206	2.05222	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B323	206	2.52778	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B323	206	3.00333	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B323	206	3.47889	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B323	206	3.95444	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B323	206	4.43	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B403	213	0.2	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B403	213	0.69444	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B403	213	1.18889	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B403	213	1.68333	B.2.4-7b	0	B.2.4-7b	0	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 3 of 4

Story	Label	UniqueName	Station	TLngCombo	TLngRebar	TTrnCombo	TTrnRebar	WarnMsg
Unitless	Unitless	Unitless	m	Unitless	m²	Unitless	m²/m	Unitless
NV	B403	213	2.17778	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B403	213	2.67222	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B403	213	3.16667	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B403	213	3.66111	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B403	213	4.15556	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B403	213	4.65	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B405	214	0.2	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B405	214	0.69444	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B405	214	1.18889	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B405	214	1.68333	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B405	214	2.17778	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B405	214	2.67222	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B405	214	3.16667	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B405	214	3.66111	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B405	214	4.15556	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B405	214	4.65	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B406	215	0.2	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B406	215	0.68	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B406	215	1.16	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B406	215	1.64	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B406	215	2.12	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B406	215	2.6	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B406	215	3.08	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B406	215	3.56	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B406	215	4.04	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B406	215	4.04	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B406	215	4.52	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B406	215	5	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B406	215	5.48	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B406	215	5.96	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B406	215	6.44	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B406	215	6.92	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B406	215	7.4	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B406	215	7.88	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B434	217	0.2	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B434	217	0.67556	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B434	217	1.15111	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B434	217	1.62667	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B434	217	2.10222	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B434	217	2.57778	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B434	217	3.05333	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B434	217	3.52889	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B434	217	4.00444	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B434	217	4.48	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B434	217	4.48	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B434	217	4.96	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B434	217	5.44	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B434	217	5.92	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B434	217	6.4	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B434	217	6.88	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B434	217	7.36	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B434	217	7.84	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B434	217	8.32	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B408	2	0.2	B.2.4-7b	0	B.2.4-7b	0	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 3 of 4

Story	Label	UniqueName	Station	TLngCombo	TLngRebar	TTrnCombo	TTrnRebar	WarnMsg
Unitless	Unitless	Unitless	m	Unitless	m²	Unitless	m²/m	Unitless
NV	B408	2	0.69666	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B408	2	1.19332	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B408	2	1.68997	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B408	2	2.18663	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B408	2	2.68329	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B408	2	3.17995	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B408	2	3.6766	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B408	2	4.17326	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B408	2	4.66992	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B436	123	0.2	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B436	123	0.695	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B436	123	1.19	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B436	123	1.685	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B436	123	2.18	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B436	123	2.675	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B436	123	3.17	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B470	220	0.2	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B470	220	0.695	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B470	220	1.19	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B470	220	1.685	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B470	220	2.18	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B470	220	2.675	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B470	220	3.17	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B482	216	0.2	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B482	216	0.69611	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B482	216	1.19222	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B482	216	1.68833	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B482	216	2.18444	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B482	216	2.68056	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B482	216	3.17667	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B482	216	3.67278	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B482	216	4.16889	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B482	216	4.665	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B482	216	4.665	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B482	216	5.16111	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B482	216	5.65722	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B482	216	6.15333	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B482	216	6.64944	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B482	216	7.14556	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B482	216	7.64167	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B482	216	8.13778	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B482	216	8.63389	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B482	216	9.13	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B488	218	0.2	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B488	218	0.69611	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B488	218	1.19222	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B488	218	1.68833	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B488	218	2.18444	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B488	218	2.68056	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B488	218	3.17667	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B488	218	3.67278	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B488	218	4.16889	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B488	218	4.665	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B488	218	4.665	B.2.4-7b	0	B.2.4-7b	0	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 3 of 4

Story	Label	UniqueName	Station	TLngCombo	TLngRebar	TTrnCombo	TTrnRebar	WarnMsg
Unitless	Unitless	Unitless	m	Unitless	m²	Unitless	m²/m	Unitless
NV	B488	218	5.16111	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B488	218	5.65722	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B488	218	6.15333	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B488	218	6.64944	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B488	218	7.14556	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B488	218	7.64167	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B488	218	8.13778	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B488	218	8.63389	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B488	218	9.13	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B1	221	0	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B1	221	0.485	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B1	221	0.97	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B1	221	1.455	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B1	221	1.94	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B1	221	2.425	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B1	221	2.91	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B1	221	3.395	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B1	221	3.88	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B1	221	4.365	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B1	221	4.85	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B2	222	0.15	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B2	222	0.6	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B2	222	1.05	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B2	222	1.5	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B3	224	0.15	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B3	224	0.6	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B3	224	1.05	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B3	224	1.5	B.2.4-7b	0	B.2.4-7b	0	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 4 of 4

Table: Concrete Beam Design Summary - ACI 318-08, Part 4 of 4

Story	Label	UniqueName	Station	ErrMsg
Unitless	Unitless	Unitless	m	Unitless
NV	B13	193	0.15	No Message
NV	B13	193	0.605	No Message
NV	B13	193	1.06	No Message
NV	B13	193	1.515	No Message
NV	B13	193	1.97	No Message
NV	B13	193	2.425	No Message
NV	B13	193	2.88	No Message
NV	B13	193	3.335	No Message
NV	B13	193	3.79	No Message
NV	B13	193	4.245	No Message
NV	B13	193	4.7	No Message
NV	B33	194	0.15	No Message
NV	B33	194	0.605	No Message
NV	B33	194	1.06	No Message
NV	B33	194	1.515	No Message
NV	B33	194	1.97	No Message
NV	B33	194	2.425	No Message
NV	B33	194	2.88	No Message
NV	B33	194	3.335	No Message
NV	B33	194	3.79	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 4 of 4

Story	Label	UniqueName	Station	ErrMsg
Unitless	Unitless	Unitless	m	Unitless
NV	B33	194	4.245	No Message
NV	B33	194	4.7	No Message
NV	B301	200	0.15	No Message
NV	B301	200	0.62556	No Message
NV	B301	200	1.10111	No Message
NV	B301	200	1.57667	No Message
NV	B301	200	2.05222	No Message
NV	B301	200	2.52778	No Message
NV	B301	200	3.00333	No Message
NV	B301	200	3.47889	No Message
NV	B301	200	3.95444	No Message
NV	B301	200	4.43	No Message
NV	B323	206	0.15	No Message
NV	B323	206	0.62556	No Message
NV	B323	206	1.10111	No Message
NV	B323	206	1.57667	No Message
NV	B323	206	2.05222	No Message
NV	B323	206	2.52778	No Message
NV	B323	206	3.00333	No Message
NV	B323	206	3.47889	No Message
NV	B323	206	3.95444	No Message
NV	B323	206	4.43	No Message
NV	B403	213	0.2	No Message
NV	B403	213	0.69444	No Message
NV	B403	213	1.18889	No Message
NV	B403	213	1.68333	No Message
NV	B403	213	2.17778	No Message
NV	B403	213	2.67222	No Message
NV	B403	213	3.16667	No Message
NV	B403	213	3.66111	No Message
NV	B403	213	4.15556	No Message
NV	B403	213	4.65	No Message
NV	B405	214	0.2	No Message
NV	B405	214	0.69444	No Message
NV	B405	214	1.18889	No Message
NV	B405	214	1.68333	No Message
NV	B405	214	2.17778	No Message
NV	B405	214	2.67222	No Message
NV	B405	214	3.16667	No Message
NV	B405	214	3.66111	No Message
NV	B405	214	4.15556	No Message
NV	B405	214	4.65	No Message
NV	B406	215	0.2	No Message
NV	B406	215	0.68	No Message
NV	B406	215	1.16	No Message
NV	B406	215	1.64	No Message
NV	B406	215	2.12	No Message
NV	B406	215	2.6	No Message
NV	B406	215	3.08	No Message
NV	B406	215	3.56	No Message
NV	B406	215	4.04	No Message
NV	B406	215	4.04	No Message
NV	B406	215	4.52	No Message
NV	B406	215	5	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 4 of 4

Story	Label	UniqueName	Station	ErrMsg
Unitless	Unitless	Unitless	m	Unitless
NV	B406	215	5.48	No Message
NV	B406	215	5.96	No Message
NV	B406	215	6.44	No Message
NV	B406	215	6.92	No Message
NV	B406	215	7.4	No Message
NV	B406	215	7.88	No Message
NV	B434	217	0.2	No Message
NV	B434	217	0.67556	No Message
NV	B434	217	1.15111	No Message
NV	B434	217	1.62667	No Message
NV	B434	217	2.10222	No Message
NV	B434	217	2.57778	No Message
NV	B434	217	3.05333	No Message
NV	B434	217	3.52889	No Message
NV	B434	217	4.00444	No Message
NV	B434	217	4.48	No Message
NV	B434	217	4.48	No Message
NV	B434	217	4.96	No Message
NV	B434	217	5.44	No Message
NV	B434	217	5.92	No Message
NV	B434	217	6.4	No Message
NV	B434	217	6.88	No Message
NV	B434	217	7.36	No Message
NV	B434	217	7.84	No Message
NV	B434	217	8.32	No Message
NV	B408	2	0.2	No Message
NV	B408	2	0.69666	No Message
NV	B408	2	1.19332	No Message
NV	B408	2	1.68997	No Message
NV	B408	2	2.18663	No Message
NV	B408	2	2.68329	No Message
NV	B408	2	3.17995	No Message
NV	B408	2	3.6766	No Message
NV	B408	2	4.17326	No Message
NV	B408	2	4.66992	No Message
NV	B436	123	0.2	No Message
NV	B436	123	0.695	No Message
NV	B436	123	1.19	No Message
NV	B436	123	1.685	No Message
NV	B436	123	2.18	No Message
NV	B436	123	2.675	No Message
NV	B436	123	3.17	No Message
NV	B470	220	0.2	No Message
NV	B470	220	0.695	No Message
NV	B470	220	1.19	No Message
NV	B470	220	1.685	No Message
NV	B470	220	2.18	No Message
NV	B470	220	2.675	No Message
NV	B470	220	3.17	No Message
NV	B482	216	0.2	No Message
NV	B482	216	0.69611	No Message
NV	B482	216	1.19222	No Message
NV	B482	216	1.68833	No Message
NV	B482	216	2.18444	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 4 of 4

Story	Label	UniqueName	Station	ErrMsg
Unitless	Unitless	Unitless	m	Unitless
NV	B482	216	2.68056	No Message
NV	B482	216	3.17667	No Message
NV	B482	216	3.67278	No Message
NV	B482	216	4.16889	No Message
NV	B482	216	4.665	No Message
NV	B482	216	4.665	No Message
NV	B482	216	5.16111	No Message
NV	B482	216	5.65722	No Message
NV	B482	216	6.15333	No Message
NV	B482	216	6.64944	No Message
NV	B482	216	7.14556	No Message
NV	B482	216	7.64167	No Message
NV	B482	216	8.13778	No Message
NV	B482	216	8.63389	No Message
NV	B482	216	9.13	No Message
NV	B488	218	0.2	No Message
NV	B488	218	0.69611	No Message
NV	B488	218	1.19222	No Message
NV	B488	218	1.68833	No Message
NV	B488	218	2.18444	No Message
NV	B488	218	2.68056	No Message
NV	B488	218	3.17667	No Message
NV	B488	218	3.67278	No Message
NV	B488	218	4.16889	No Message
NV	B488	218	4.665	No Message
NV	B488	218	4.665	No Message
NV	B488	218	5.16111	No Message
NV	B488	218	5.65722	No Message
NV	B488	218	6.15333	No Message
NV	B488	218	6.64944	No Message
NV	B488	218	7.14556	No Message
NV	B488	218	7.64167	No Message
NV	B488	218	8.13778	No Message
NV	B488	218	8.63389	No Message
NV	B488	218	9.13	No Message
NV	B1	221	0	No Message
NV	B1	221	0.485	No Message
NV	B1	221	0.97	No Message
NV	B1	221	1.455	No Message
NV	B1	221	1.94	No Message
NV	B1	221	2.425	No Message
NV	B1	221	2.91	No Message
NV	B1	221	3.395	No Message
NV	B1	221	3.88	No Message
NV	B1	221	4.365	No Message
NV	B1	221	4.85	No Message
NV	B2	222	0.15	No Message
NV	B2	222	0.6	No Message
NV	B2	222	1.05	No Message
NV	B2	222	1.5	No Message
NV	B3	224	0.15	No Message
NV	B3	224	0.6	No Message
NV	B3	224	1.05	No Message
NV	B3	224	1.5	No Message

DISEÑO DE VIGAS DE CONCRETO REFORZADO _ NSR-10

Datos de Diseño:

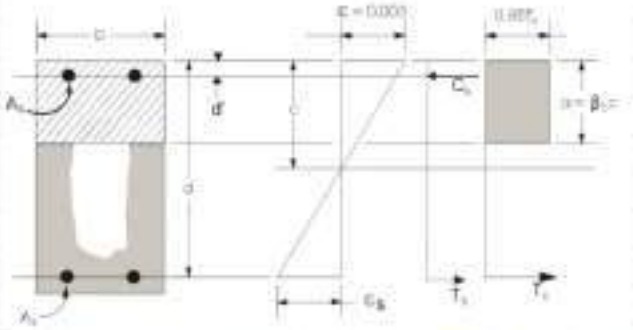
Base: $b := 30\ cm$

Altura: $h := 50\ cm$

$f'_c := 280\ \frac{kgf}{cm^2}$ $f_y := 4200\ \frac{kgf}{cm^2}$

Recubrimiento $rec := 5\ cm$

(al centroide de las barras Longitudinales)



$E_s := 2030000\ \frac{kgf}{cm^2}$

Momento $M_u := 5.45\ tonnef \cdot m$

DISEÑO POR FLEXION

1. CALCULO DEL AREA DE ACERO

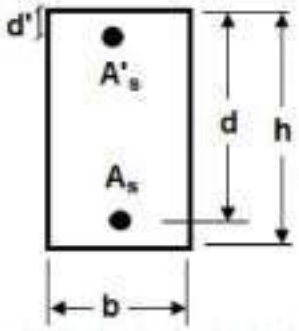
Acero Requerido $As_{requerido} = 3.274\ cm^2$

Acero Normativo $As_{normativo} = 4.5\ cm^2$

Limites de Acero S.A. $As_{min} = 4.5\ cm^2$ $As_{max} = 24.18\ cm^2$

$\phi = 0.9$

$As_{max.doble.A} = 24.176\ cm^2$



$A'_s = 0\ cm^2$

$tipo.de.diseño = \text{"Simple Armado"}$

$A_s = 3.274\ cm^2$

2. CAPACIDAD DE LA SECCION POR FLEXION

$n_{top} := 2$ $ID_{top} := 4$

$n_{bottom} := 2$ $ID_{bottom} := 4$

ntop: Numero de barras Arriba

nbottom: Numero de barras abajo

ID: Escoger una barra de la tabla

Tabla de aceros

ID	d_{barra} (mm)	area (cm^2)
1	9.5	0.71
2	12.7	1.29
3	15.9	1.99
4	19.1	2.84
5	22.2	3.87
6	25.4	5.1

Momento Resistente

$\phi M_n = 9.539$ **tonnef·m**

Momento Solicitante

$M_u = 5.45$ **tonnef·m**

$ratio = 0.571$

$\rho_{cuantia} = 0.00424$

$verificacion_1$ = "Cumple el espaciamiento minimo"

$verificacion_2$ = "LA SECCION FUE DISEÑADA CORRECTAMENTE, OK"

DISEÑO POR CORTE

Datos de Diseño:

$V_u := 3.45$ **tonnef** Cortante Solicitante

$\phi_c := 0.75$ Para corte

ID: Escoger una barra de la tabla

$ID := 1$

$n_R := 2$ Numero de ramas

$s := 8$ **cm** separación de estribos

$N_u := 0$ **tonnef** Carga Axial en la Viga, Compresión (+)

Tabla de aceros

ID	d_{barra} (mm)	area (cm^2)
1	9.5	0.71
2	12.7	1.29
3	15.9	1.99
4	19.1	2.84
5	22.2	3.87
6	25.4	5.10

RESULTADOS DE DISEÑO

Capacidad por Corte

$\phi_c V_n = 34.098$ **tonnef**

$ratio_{corte} = 0.101$

Cortante Solicitante

$V_u = 3.45$ **tonnef**

Relación Av/s Requerido

$A_{v\_s} = 0 \frac{cm^2}{cm}$

Limites de Refuerzo

$A_{v\_s\_min} = 0 \frac{cm^2}{cm}$

Corte del Concreto

$s_{max} = 22.5$ **cm**

$\phi_c \cdot V_c = 8.979$ **tonnef**

$V_{s\_requerido} = -5.529$ **tonnef**

$verificacion_3$="OK,Dimensiones de la seccion transversal"

$verificacion_4$="OK, la separacion "S", es correcta!"

DISEÑO POR TORSION

Datos de Diseño:

$T_u := 0.2\ tonnef \cdot m$ Torsor ultimo Solicitante

$rec_{estribo} := 50\ mm$ Recubrimiento al estribo

$f_{yt} := 4200\ \frac{kgf}{cm^2}$ Tensión de Fluencia del acero transversal

$\phi_t := 0.75$ Para torsión

$\theta := 45\ °$

$N_u := 0.0\ tonnef$ Carga Axial en la Viga, Compresión (+)

RESULTADOS:

Umbral de Torsión

$T_{th} = 0.624\ tonnef \cdot m$

$\phi_t \cdot T_{th} = 0.468\ tonnef \cdot m$

Torsor Critico

$T_{cr} = 2.496\ tonnef \cdot m$

$\phi_t \cdot T_{cr} = 1.872\ tonnef \cdot m$

Verificación de refuerzo por torsión:

V_{erf_5}="Ignorar la torsion "

Verificación de la Sección:

$V_{erf\_6} = 0$

Refuerzo Minimo

V_{erf_7}="No predomina el refuerzo minimo"

$A_{v\_2At,min} = 0\ \frac{1}{m} \cdot cm$

Refuerzo por torsión At/s

$A_{t\_s} = 0\ \frac{1}{m} \cdot \frac{cm^2}{cm}$

Refuerzo longitudinal por torsión

$A_l = 0\ \frac{1}{m^2} \cdot cm^2$

ANEXO C – DISEÑO DE CIMENTACIÓN

ANEXO C – CIMENTACIÓN

1 DESCRIPCIÓN DEL MODELO

Se realizó un modelo analítico de interacción suelo-estructura usando el programa de elementos finitos (Etabs V.18) en el cual se simuló el efecto producido por la resistencia del suelo, teniendo en cuenta el módulo de reacción vertical dado en el estudio de suelos.

1.1 ESPECIFICACIONES ESTUDIO DE SUELOS

LABCON

9. CONCLUSIONES Y RECOMENDACIONES

Las conclusiones y recomendaciones consignadas en el presente informe se basan en los resultados de las investigaciones de campo y laboratorio que se describen en los capítulos pertinentes, en la magnitud del proyecto y en la caracterización geotécnica del área en estudio.

Tabla 9.1 Resultados parámetros geotécnicos.

Unidad geotécnica	Descripción	Parámetros de resistencia			Peso específico.	Módulo de elasticidad	Módulo de poisson	Cc	Cr
		ÁNGULO DE ROZAMIENTO	COHESIÓN	COHESIÓN NO DRENADA					
		Phi' (°)	c' (kN/m2)	Cu (kN/m2)	r (kN/m3)	E (Mpa)	V	-	-
U.G. II	(6.0m – 15.0m)	33.54	0-20	68.50	19.0	18.0			
U.G. I	(0.5m – 6.0m)	25.26	0-10	28.10	16.5	10.30	0,35	0,35	0,03
U.G. 0	Apique (0.0m – 0.5m)								

MATERIAL	ÁNGULO DE ROZAMIENTO (°)	Kv (t/m3)	Kh (t/m3)
UG I	25.26	1530	1520

9.1. RECOMENDACIÓN DE CONFORMACIÓN SUPERFICIAL

Se contempla una de relleno para la primera capa superficial, se considera como suelos no aptos para construcción. El proceso debe iniciar con el retiro del material que se puedan identificar hasta un nivel de -0.50m. Profundidad medida desde a cota de terreno natural existente.

9.2. OPCIÓN CIMENTACIÓN ZAPATAS PARA ESTRUCTURAS

Para la cimentación de las estructuras de pórticos esta consultoria recomienda diseñar la cimentación una zapata a una profundidad mínima de 1.5m con una capacidad portante admisible 6,90 tn/m2 + mejoramiento en subbase granular Art. 320 compactado o ciclópeo de 50cm. Pueden ser consideradas mayores profundidades reportadas en el anexo.

El estimativo de capacidad portante admisible se efectuó adoptado como el método teórico para definir este parámetro de resistencia de los suelos mediante condiciones no drenadas, considerando un factor de seguridad 3 de acuerdo con lo mencionado por la Tabla.4.7-1 de la NSR-10.

Los asentamientos totales, contemplando asentamientos inmediatos debido a la presencia de suelos arenosas se evalúan zapatas con una dimensión mínima de 1.50 m x 1.50 m y un desplante de 1,5 m,

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CARLOS MAURICIO MENDEZ - Máster Ingeniería Civil

(+57) 321 871 7176

Figura 1. Información tomada del estudio de suelos: LABCON

1.2 IDENTIFICACIÓN DE APOYOS Y REACCIONES

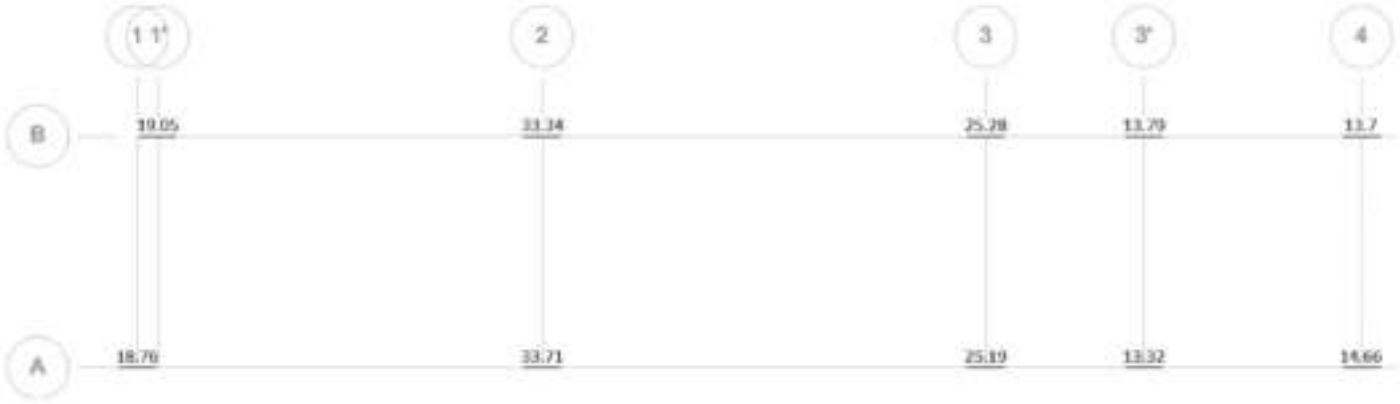


- ***Reacciones (Análisis estático) – Ton***

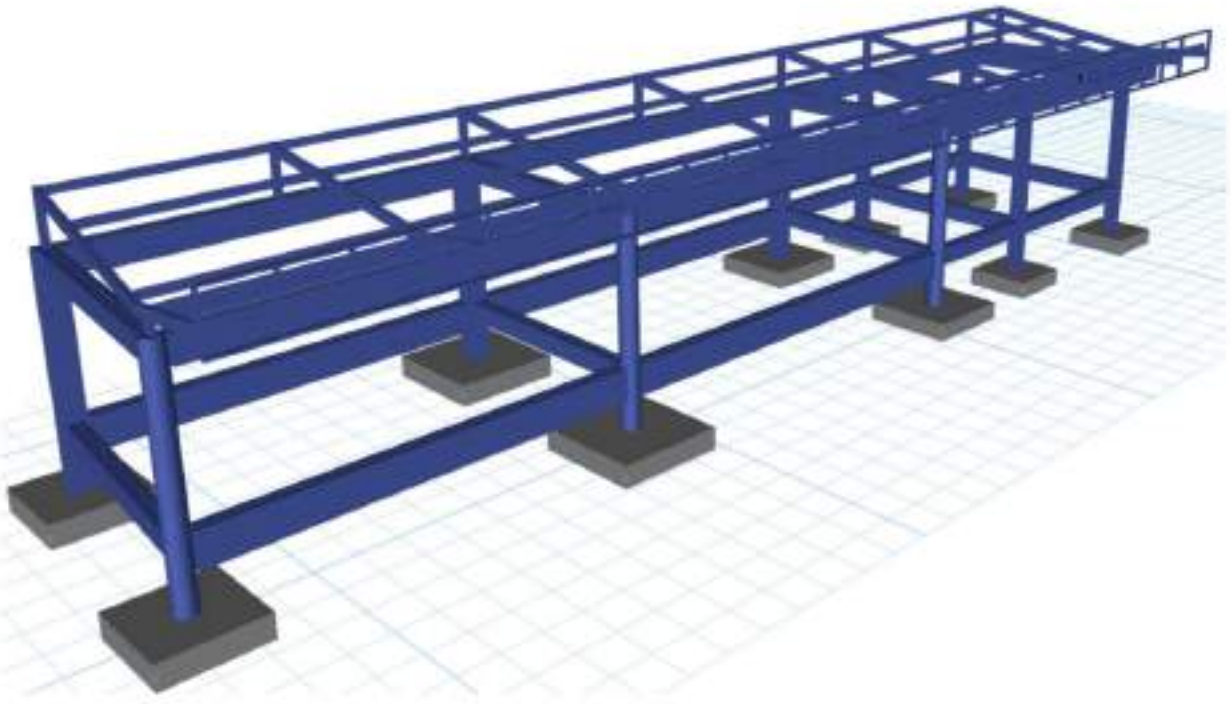


Figura 2. Identificación de apoyos.

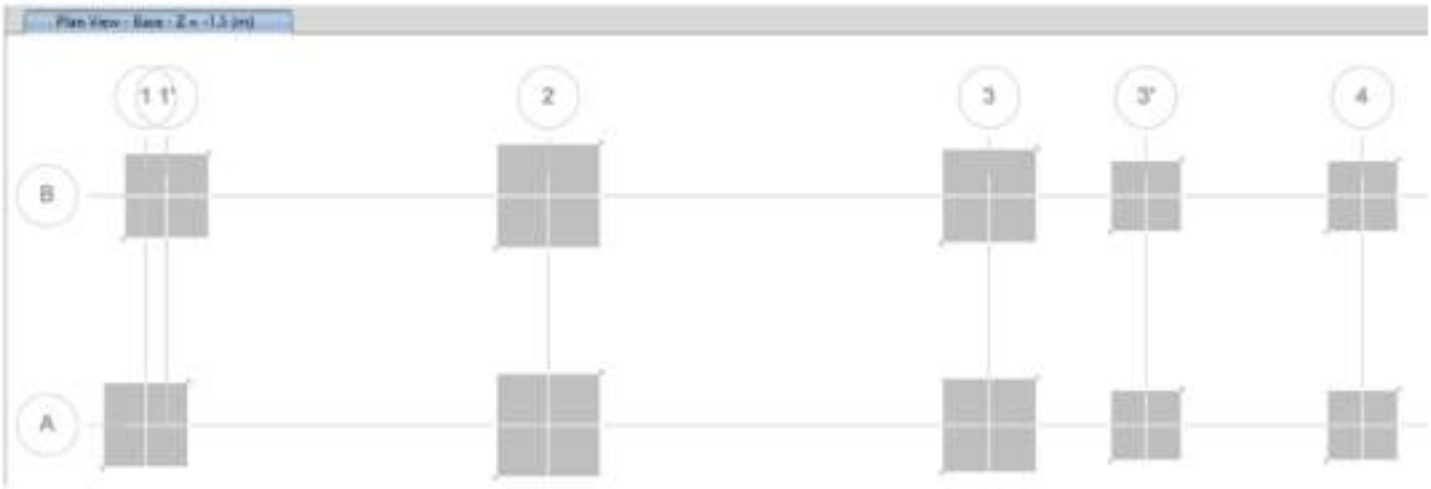
- ***Reacciones (Análisis con sismo) – Ton***



1.3 MODELO VISTA 3D



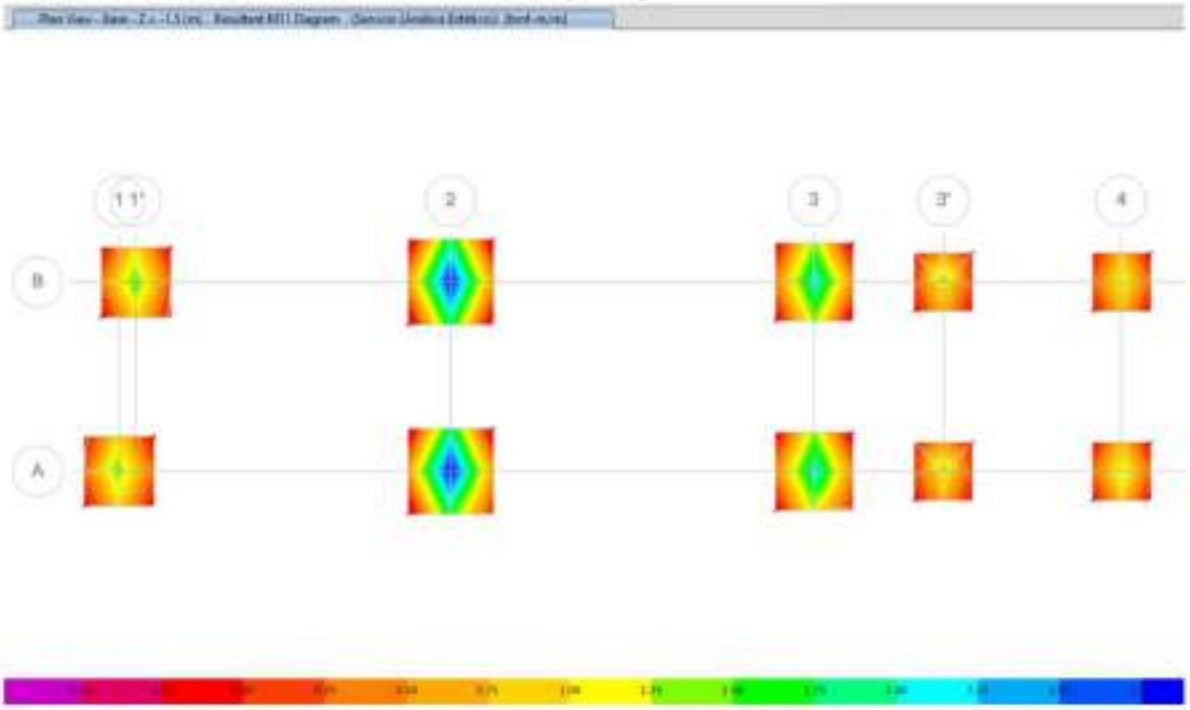
1.4 VISTA EN PLANTA



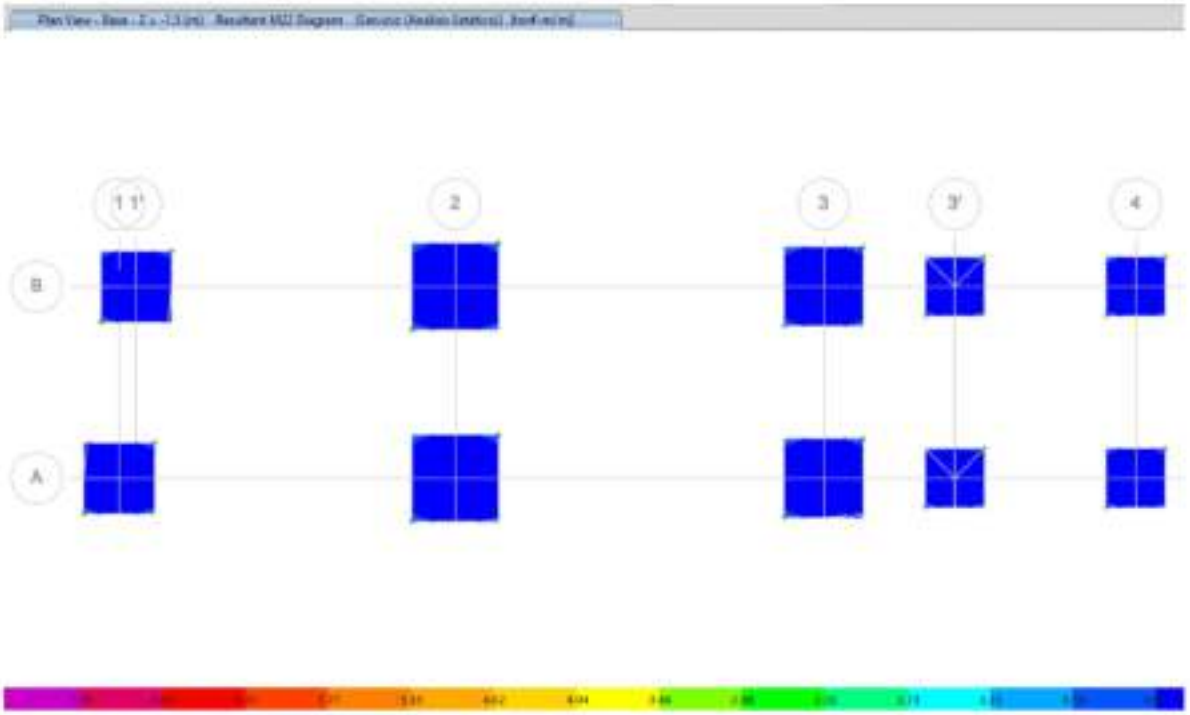
1.5 DIAGRAMA DE PRESIÓN DE CONTACTO - PLANTA (T/M²)



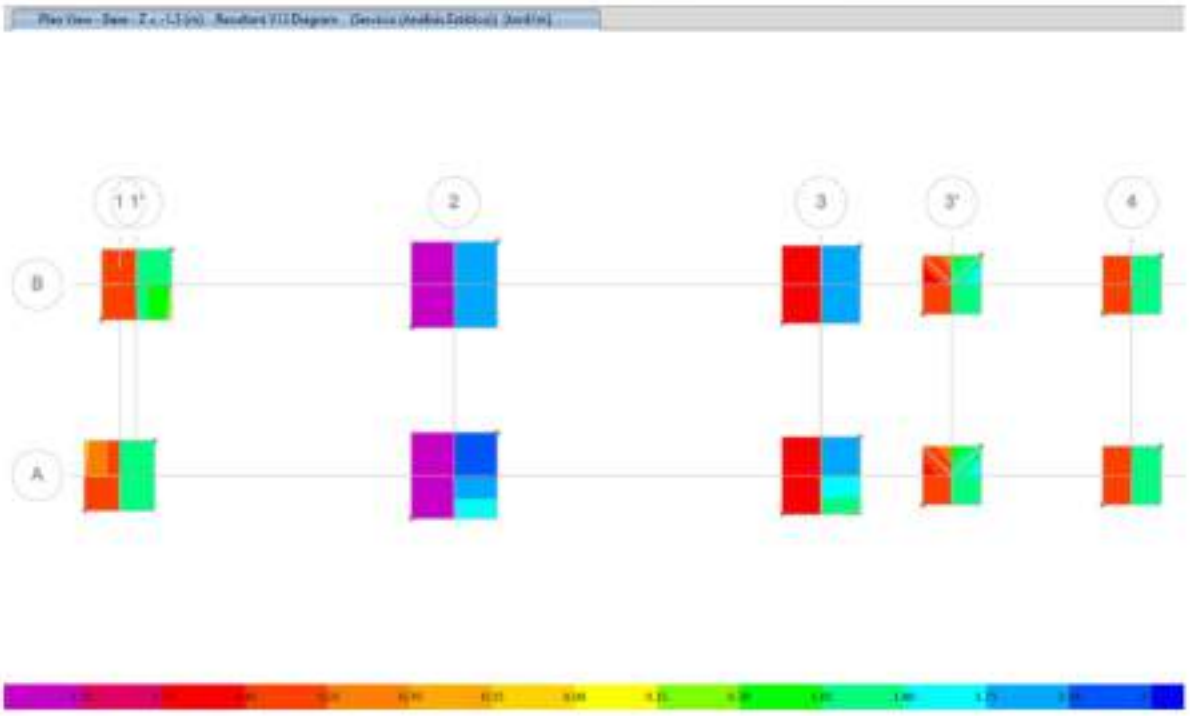
1.6 DIAGRAMA DE MOMENTOS M11 (T*M)



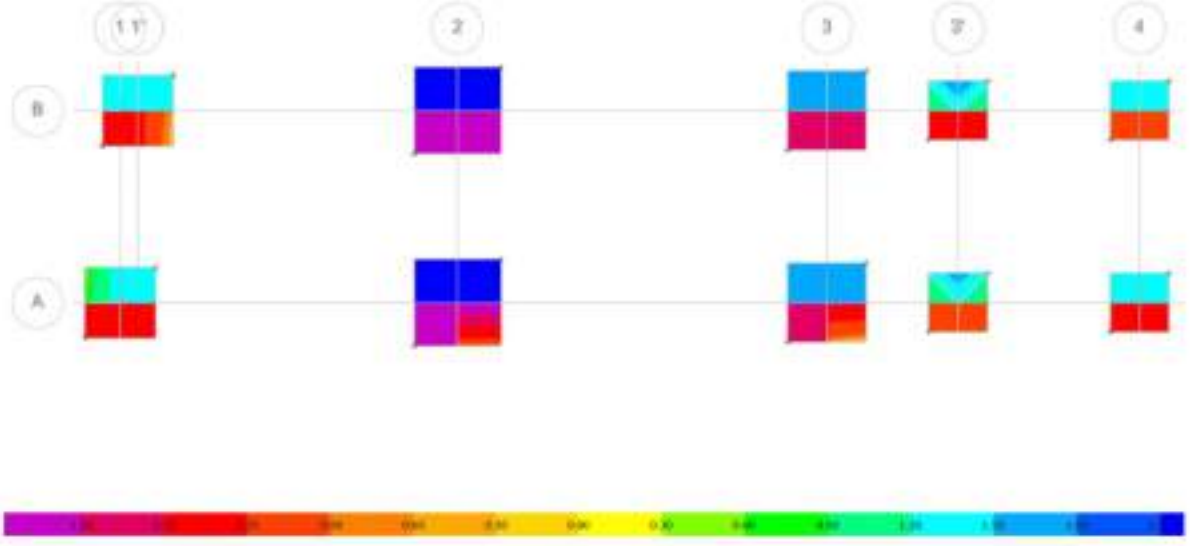
1.7 DIAGRAMA DE MOMENTOS M22 (T*M)



1.8 DIAGRAMA DE CORTANTE V13 (T)



1.9 DIAGRAMA DE CORTANTE V23 (T)



1.10 DIAGRAMA DE PUNZONAMIENTO



Table: Concrete Slab Design Overwrites - Finite Element Based

Table: Concrete Slab Design Overwrites - Finite Element Based

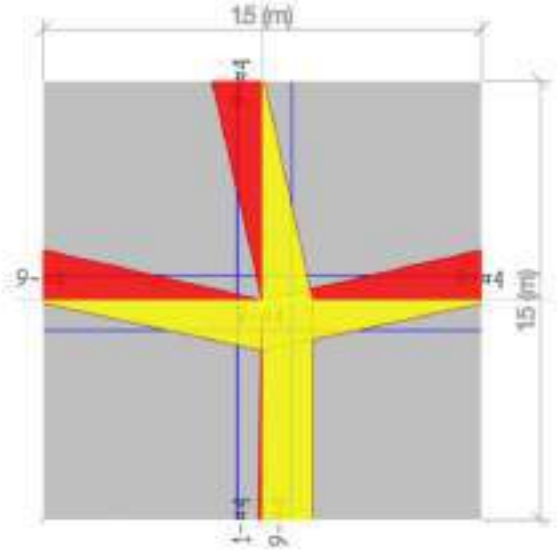
Story	Label	Unique Name	Rebar Material	Cover Specification Type	LLRF	Design?	Ignote PT?
Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Yes/No	Yes/No
Base	F24	93	A615Gr60	From Preferences	1	Yes	No
Base	F25	94	A615Gr60	From Preferences	1	Yes	No
Base	F26	97	A615Gr60	From Preferences	1	Yes	No
Base	F27	98	A615Gr60	From Preferences	1	Yes	No
Base	F28	95	A615Gr60	From Preferences	1	Yes	No
Base	F29	96	A615Gr60	From Preferences	1	Yes	No
Base	F30	99	A615Gr60	From Preferences	1	Yes	No
Base	F31	100	A615Gr60	From Preferences	1	Yes	No
Base	F23	85	A615Gr60	From Preferences	1	Yes	No
Base	F32	86	A615Gr60	From Preferences	1	Yes	No
Base	F37	90	A615Gr60	From Preferences	1	Yes	No
Base	F38	87	A615Gr60	From Preferences	1	Yes	No
Base	F41	88	A615Gr60	From Preferences	1	Yes	No
Base	F45	92	A615Gr60	From Preferences	1	Yes	No

Table: Concrete Slab Design Overwrites - Finite Element Based

Story	Label	Unique Name	Rebar Material	Cover Specification Type	LLRF	Design?	Ignote PT?
Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Yes/No	Yes/No
Base	F56	89	A615Gr60	From Preferences	1	Yes	No
Base	F57	91	A615Gr60	From Preferences	1	Yes	No
Base	F66	77	A615Gr60	From Preferences	1	Yes	No
Base	F67	78	A615Gr60	From Preferences	1	Yes	No
Base	F68	81	A615Gr60	From Preferences	1	Yes	No
Base	F69	82	A615Gr60	From Preferences	1	Yes	No
Base	F70	79	A615Gr60	From Preferences	1	Yes	No
Base	F71	80	A615Gr60	From Preferences	1	Yes	No
Base	F72	83	A615Gr60	From Preferences	1	Yes	No
Base	F73	84	A615Gr60	From Preferences	1	Yes	No
Base	F84	101	A615Gr60	From Preferences	1	Yes	No
Base	F86	102	A615Gr60	From Preferences	1	Yes	No
Base	F90	105	A615Gr60	From Preferences	1	Yes	No
Base	F94	106	A615Gr60	From Preferences	1	Yes	No
Base	F98	109	A615Gr60	From Preferences	1	Yes	No
Base	F102	110	A615Gr60	From Preferences	1	Yes	No
Base	F106	113	A615Gr60	From Preferences	1	Yes	No
Base	F112	114	A615Gr60	From Preferences	1	Yes	No
Base	F187	103	A615Gr60	From Preferences	1	Yes	No
Base	F188	104	A615Gr60	From Preferences	1	Yes	No
Base	F189	107	A615Gr60	From Preferences	1	Yes	No
Base	F190	108	A615Gr60	From Preferences	1	Yes	No
Base	F191	111	A615Gr60	From Preferences	1	Yes	No
Base	F192	112	A615Gr60	From Preferences	1	Yes	No
Base	F193	115	A615Gr60	From Preferences	1	Yes	No
Base	F194	116	A615Gr60	From Preferences	1	Yes	No

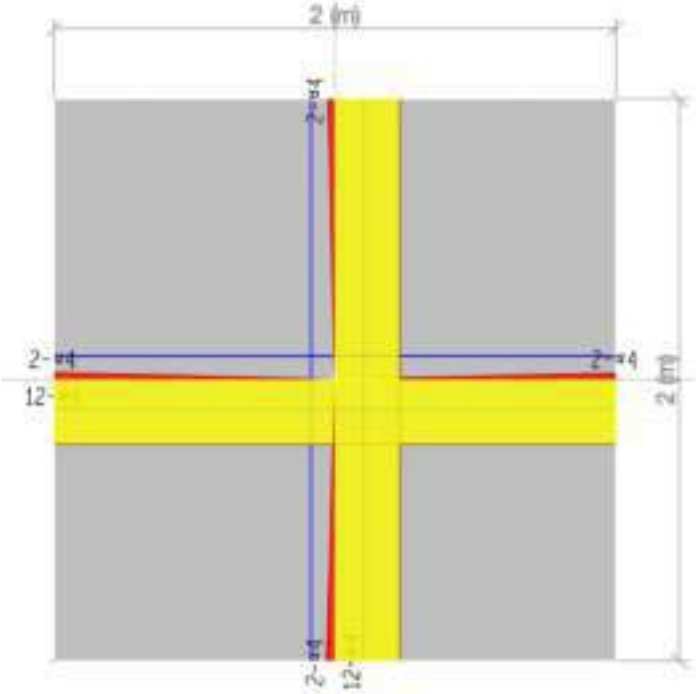
1.11 ACERO DE REFUERZO (ZAPATAS)

1.12 ZAPATA Z1



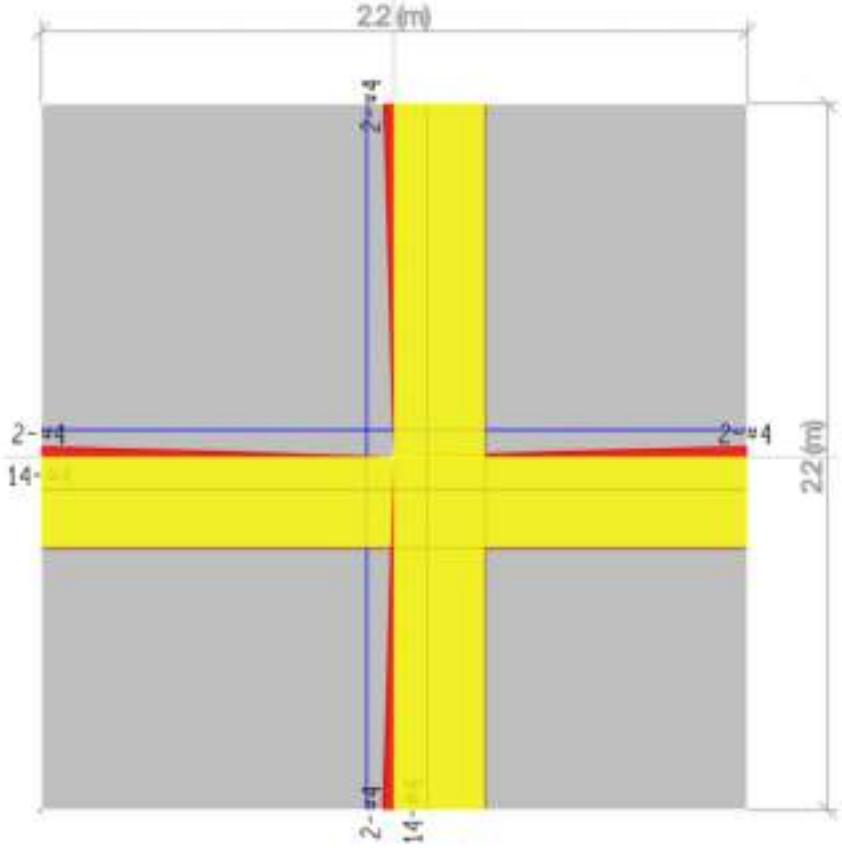
Acero requerido #4@15cm en ambos sentidos

1.13 ZAPATA Z2



Acero requerido #4@15cm en ambos sentidos

1.14 ZAPATA Z3



Acero requerido #4@15cm en ambos sentidos

Table: Concrete Slab Design - Flexure and Shear Data, Part 1 of 4

Table: Concrete Slab Design - Flexure and Shear Data, Part 1 of 4

Story	StripObject	Station	ConcWidth	FTopCombo	FTopMoment	FTopArea	FTopAMin	FBotCombo
Unitless	Unitless	m	m	Unitless	tonf-m	m²	m²	Unitless
Base	CSA1	0	1.5	B.2.4-5b	-0.3917	6.3E-05	0.001085	B.2.4-5b
Base	CSA1	0.75	1.5		0	0	0	B.2.4-5b
Base	CSA1	1.5	1.5	B.2.4-5b	-0.4005	6.5E-05	0.001085	B.2.4-5b
Base	CSB1	0	1.5	B.2.4-5b	-0.5319	7.7E-05	0	B.2.4-5b
Base	CSB1	0.75	1.5		0	0	0	B.2.4-5b
Base	CSB1	1.5	1.5	B.2.4-5b	-0.3741	6.1E-05	0.001085	B.2.4-7b
Base	CSA2	0	2	B.2.4-5b	-1.1416	0.000164	0	B.2.4-5b
Base	CSA2	1	2		0	0	0	B.2.4-5b
Base	CSA2	2	2	B.2.4-5b	-1.1084	0.000151	0	B.2.4-5b
Base	CSB2	0	2	B.2.4-5b	-1.1747	0.000187	0	B.2.4-5b
Base	CSB2	1	2		0	0	0	B.2.4-5b

Table: Concrete Slab Design - Flexure and Shear Data, Part 1 of 4

Story	StripObject	Station	ConcWidth	FTopCombo	FTopMomen t	FTopArea	FTopAMin	FBotCombo
Unitless	Unitless	m	m	Unitless	tonf-m	m²	m²	Unitless
Base	CSB2	2	2	B.2.4-5b	-1.0499	0.000156	0	B.2.4-5b
Base	CSA3	0	2.2	B.2.4-5b	-1.6624	0.000192	0	B.2.4-5b
Base	CSA3	1.1	2.2		0	0	0	B.2.4-5b
Base	CSA3	2.2	2.2	B.2.4-5b	-1.6536	0.000197	0	B.2.4-5b
Base	CSB3	0	2.2	B.2.4-5b	-1.5598	0.00021	0	B.2.4-5b
Base	CSB3	1.1	2.2		0	0	0	B.2.4-5b
Base	CSB3	2.2	2.2	B.2.4-5b	-1.5502	0.000193	0	B.2.4-5b

Table: Concrete Slab Design - Flexure and Shear Data, Part 2 of 4

Table: Concrete Slab Design - Flexure and Shear Data, Part 2 of 4

Story	StripObject	Station	FTopCombo	FBotCombo	FBotMoment	FBotArea	FBotAMin	AxialForce
Unitless	Unitless	m	Unitless	Unitless	tonf-m	m²	m²	tonf
Base	CSA1	0	B.2.4-5b	B.2.4-5b	0.3104	5.6E-05	0	-1.8161
Base	CSA1	0.75		B.2.4-5b	1.5689	0.000165	0.001085	-2.0499
Base	CSA1	1.5	B.2.4-5b	B.2.4-5b	0.3169	5.9E-05	0	-1.9405
Base	CSB1	0	B.2.4-5b	B.2.4-5b	0.6177	8.4E-05	0.001085	-1.7892
Base	CSB1	0.75		B.2.4-5b	1.9847	0.000201	0.001085	-1.6525
Base	CSB1	1.5	B.2.4-5b	B.2.4-7b	0.098	3.3E-05	0	-1.5929
Base	CSA2	0	B.2.4-5b	B.2.4-5b	1.3731	0.000183	0.001446	-4.1672
Base	CSA2	1		B.2.4-5b	5.0906	0.000464	0.001446	-2.383
Base	CSA2	2	B.2.4-5b	B.2.4-5b	1.3611	0.000172	0.001446	-3.5388
Base	CSB2	0	B.2.4-5b	B.2.4-5b	1.3094	0.000198	0.001446	-4.9205
Base	CSB2	1		B.2.4-5b	4.9722	0.000487	0.001446	-3.1719
Base	CSB2	2	B.2.4-5b	B.2.4-5b	1.2722	0.000175	0.001446	-3.7724
Base	CSA3	0	B.2.4-5b	B.2.4-5b	2.0304	0.000219	0.00179	-4.5086
Base	CSA3	1.1		B.2.4-5b	7.1409	0.000578	0.00179	-3.9017
Base	CSA3	2.2	B.2.4-5b	B.2.4-5b	2.0149	0.000223	0.00179	-4.8237
Base	CSB3	0	B.2.4-5b	B.2.4-5b	2.0522	0.000247	0.00179	-5.6196
Base	CSB3	1.1		B.2.4-5b	7.3228	0.000615	0.00179	-4.0785
Base	CSB3	2.2	B.2.4-5b	B.2.4-5b	1.8975	0.000219	0.00179	-4.6622

Table: Concrete Slab Design - Flexure and Shear Data, Part 3 of 4

Table: Concrete Slab Design - Flexure and Shear Data, Part 3 of 4

Story	StripObject	Station	FTopCombo	FBotCombo	VCombo	VForce	VArea	Status
Unitless	Unitless	m	Unitless	Unitless	Unitless	tonf	m²/m	Unitless
Base	CSA1	0	B.2.4-5b	B.2.4-5b	B.2.4-3b	2.6431	0	OK
Base	CSA1	0.75		B.2.4-5b	B.2.4-3b	1.9042	0	OK
Base	CSA1	1.5	B.2.4-5b	B.2.4-5b	B.2.4-3b	2.655	0	OK
Base	CSB1	0	B.2.4-5b	B.2.4-5b	B.2.4-3b	2.2755	0	OK
Base	CSB1	0.75		B.2.4-5b	B.2.4-3b	2.2755	0	OK
Base	CSB1	1.5	B.2.4-5b	B.2.4-7b	B.2.4-3b	3.041	0	OK
Base	CSA2	0	B.2.4-5b	B.2.4-5b	B.2.4-3b	4.1371	0	OK
Base	CSA2	1		B.2.4-5b	B.2.4-3b	4.4124	0	OK
Base	CSA2	2	B.2.4-5b	B.2.4-5b	B.2.4-3b	4.256	0	OK
Base	CSB2	0	B.2.4-5b	B.2.4-5b	B.2.4-3b	2.3384	0	OK
Base	CSB2	1		B.2.4-5b	B.2.4-3b	4.2582	0	OK

Table: Concrete Slab Design - Flexure and Shear Data, Part 3 of 4

Story	StripObject	Station	FTopCombo	FBotCombo	VCombo	VForce	VArea	Status
Unitless	Unitless	m	Unitless	Unitless	Unitless	tonf	m²/m	Unitless
Base	CSB2	2	B.2.4-5b	B.2.4-5b	B.2.4-3b	4.2582	0	OK
Base	CSA3	0	B.2.4-5b	B.2.4-5b	B.2.4-3b	5.8817	0	OK
Base	CSA3	1.1		B.2.4-5b	B.2.4-3b	5.8817	0	OK
Base	CSA3	2.2	B.2.4-5b	B.2.4-5b	B.2.4-3b	5.8437	0	OK
Base	CSB3	0	B.2.4-5b	B.2.4-5b	B.2.4-3b	4.0565	0	OK
Base	CSB3	1.1		B.2.4-5b	B.2.4-3b	5.8959	0	OK
Base	CSB3	2.2	B.2.4-5b	B.2.4-5b	B.2.4-3b	5.8959	0	OK

Table: Concrete Slab Design - Flexure and Shear Data, Part 4 of 4

Table: Concrete Slab Design - Flexure and Shear Data, Part 4 of 4

Story	StripObject	Station	FTopCombo	FBotCombo	VCombo	GlobalX	GlobalY	Layer
Unitless	Unitless	m	Unitless	Unitless	Unitless	m	m	Unitless
Base	CSA1	0	B.2.4-5b	B.2.4-5b	B.2.4-3b	120.42	0	A
Base	CSA1	0.75		B.2.4-5b	B.2.4-3b	121.17	0	A
Base	CSA1	1.5	B.2.4-5b	B.2.4-5b	B.2.4-3b	121.92	0	A
Base	CSB1	0	B.2.4-5b	B.2.4-5b	B.2.4-3b	121.17	-0.75	B
Base	CSB1	0.75		B.2.4-5b	B.2.4-3b	121.17	0	B
Base	CSB1	1.5	B.2.4-5b	B.2.4-7b	B.2.4-3b	121.17	0.75	B
Base	CSA2	0	B.2.4-5b	B.2.4-5b	B.2.4-3b	116.85	0	A
Base	CSA2	1		B.2.4-5b	B.2.4-3b	117.85	0	A
Base	CSA2	2	B.2.4-5b	B.2.4-5b	B.2.4-3b	118.85	0	A
Base	CSB2	0	B.2.4-5b	B.2.4-5b	B.2.4-3b	117.85	-1	B
Base	CSB2	1		B.2.4-5b	B.2.4-3b	117.85	0	B
Base	CSB2	2	B.2.4-5b	B.2.4-5b	B.2.4-3b	117.85	1	B
Base	CSA3	0	B.2.4-5b	B.2.4-5b	B.2.4-3b	107.42	0	A
Base	CSA3	1.1		B.2.4-5b	B.2.4-3b	108.52	0	A
Base	CSA3	2.2	B.2.4-5b	B.2.4-5b	B.2.4-3b	109.62	0	A
Base	CSB3	0	B.2.4-5b	B.2.4-5b	B.2.4-3b	108.52	-1.1	B
Base	CSB3	1.1		B.2.4-5b	B.2.4-3b	108.52	0	B
Base	CSB3	2.2	B.2.4-5b	B.2.4-5b	B.2.4-3b	108.52	1.1	B

1.15 REACCIONES EN APOYOS

Table: Joint Reactions, Part 1 of 2

Table: Joint Reactions, Part 1 of 2

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX	FY	FZ
Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	kgf	kgf	kgf
Base	316	268	Servicio (Análisis Estático)	Combination	Max	1855.57	-121.21	19049.08
Base	316	268	Servicio (Análisis Estático)	Combination	Min	1164.18	-453.51	9971.66
Base	316	268	Servicio (Análisis con sismo)	Combination	Max	2868.97	688.58	19049.08
Base	316	268	Servicio (Análisis con sismo)	Combination	Min	99.95	-1064.48	9971.66
Base	317	269	Servicio (Análisis Estático)	Combination	Max	544.33	-121.89	33340.49
Base	317	269	Servicio (Análisis Estático)	Combination	Min	306.58	-688.24	16302.01
Base	317	269	Servicio (Análisis con sismo)	Combination	Max	1885.52	1652.58	33340.49
Base	317	269	Servicio (Análisis con sismo)	Combination	Min	-1040.51	-2045.16	16302.01
Base	338	272	Servicio (Análisis Estático)	Combination	Max	197.32	266.47	33712.95
Base	338	272	Servicio (Análisis Estático)	Combination	Min	34.08	-107.7	10267.8
Base	338	272	Servicio (Análisis con sismo)	Combination	Max	1436.58	1634.5	33712.95
Base	338	272	Servicio (Análisis con sismo)	Combination	Min	-1200.13	-1232.56	10267.8
Base	344	90	Servicio (Análisis Estático)	Combination	Max	-1441.47	-124.96	25278.86
Base	344	90	Servicio (Análisis Estático)	Combination	Min	-2270.61	-592.44	12450.27
Base	344	90	Servicio (Análisis con sismo)	Combination	Max	-173.46	960.39	25278.86
Base	344	90	Servicio (Análisis con sismo)	Combination	Min	-3459.51	-1368.53	12450.27

Table: Joint Reactions, Part 1 of 2

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX	FY	FZ
Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	kgf	kgf	kgf
Base	347	208	Servicio (Análisis Estático)	Combination	Max	-637.79	261.42	25190.9
Base	347	208	Servicio (Análisis Estático)	Combination	Min	-841.95	-19.98	8069.42
Base	347	208	Servicio (Análisis con sismo)	Combination	Max	575.94	1102.5	25190.9
Base	347	208	Servicio (Análisis con sismo)	Combination	Min	-1923.06	-707.72	8069.42
Base	348	276	Servicio (Análisis Estático)	Combination	Max	165.55	242.9	13318.2
Base	348	276	Servicio (Análisis Estático)	Combination	Min	105.46	73.32	4636.37
Base	348	276	Servicio (Análisis con sismo)	Combination	Max	859.73	846.38	13318.2
Base	348	276	Servicio (Análisis con sismo)	Combination	Min	-594.86	-474.9	4636.37
Base	349	277	Servicio (Análisis Estático)	Combination	Max	461.08	-117.85	13791.21
Base	349	277	Servicio (Análisis Estático)	Combination	Min	311	-384.98	6959.34
Base	349	277	Servicio (Análisis con sismo)	Combination	Max	1004.9	479.16	13791.21
Base	349	277	Servicio (Análisis con sismo)	Combination	Min	-267.17	-830.64	6959.34
Base	353	278	Servicio (Análisis Estático)	Combination	Max	-144.38	226.06	14658.12
Base	353	278	Servicio (Análisis Estático)	Combination	Min	-269.74	50.14	4783.79
Base	353	278	Servicio (Análisis con sismo)	Combination	Max	277.3	907.95	14658.12
Base	353	278	Servicio (Análisis con sismo)	Combination	Min	-692.92	-556.61	4783.79
Base	354	279	Servicio (Análisis Estático)	Combination	Max	-350.67	-121.87	13703.91
Base	354	279	Servicio (Análisis Estático)	Combination	Min	-617.07	-401.66	6670.56

Table: Joint Reactions, Part 1 of 2

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX	FY	FZ
Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	kgf	kgf	kgf
Base	354	279	Servicio (Análisis con sismo)	Combination	Max	19.42	545.98	13703.91
Base	354	279	Servicio (Análisis con sismo)	Combination	Min	-988.01	-908.9	6670.56
Base	652	271	Servicio (Análisis Estático)	Combination	Max	818.67	245.09	18759.81
Base	652	271	Servicio (Análisis Estático)	Combination	Min	596.67	66.22	7406.93
Base	652	271	Servicio (Análisis con sismo)	Combination	Max	1716.08	860.55	18759.81
Base	652	271	Servicio (Análisis con sismo)	Combination	Min	-406.22	-487.14	7406.93

Table: Joint Reactions, Part 2 of 2

Table: Joint Reactions, Part 2 of 2

Story	Label	Unique Name	MX	MY	MZ
Unitless	Unitless	Unitless	kgf-m	kgf-m	kgf-m
Base	316	268	410.84	737.48	19.06
Base	316	268	20.59	430.67	-50.34
Base	316	268	1237.75	1789.99	82.86
Base	316	268	-1182.7	-624.57	-100.78
Base	317	269	804.2	206.06	0.76
Base	317	269	43.38	106.92	-6.27
Base	317	269	2648.95	1429.93	44.82
Base	317	269	-2548.89	-1122.51	-44.84
Base	338	272	344.44	87.32	1.17
Base	338	272	-162.49	-0.71	-6.05
Base	338	272	1606.09	1196.49	31.14
Base	338	272	-1833.2	-1106.33	-33.25
Base	344	90	657.44	-588.33	23.77
Base	344	90	68.49	-967.26	-9.71
Base	344	90	1744.03	586.82	50.11
Base	344	90	-1607.86	-2134.44	-48.1
Base	347	208	242.51	-278.08	5.01
Base	347	208	-144.79	-401.88	-12.38
Base	347	208	1003.25	804.06	33.4
Base	347	208	-1210.71	-1447.07	-44.72
Base	348	276	77.46	85.88	0.21
Base	348	276	-120.49	35.1	-1.14
Base	348	276	571.53	694.96	17.74
Base	348	276	-751.32	-575.53	-18.85
Base	349	277	291.27	235.98	0.71

Table: Joint Reactions, Part 2 of 2

Story	Label	Unique Name	MX	MY	MZ
Unitless	Unitless	Unitless	kgf-m	kgf-m	kgf-m
Base	349	277	59.36	165.58	-2.86
Base	349	277	737.63	697.6	17.06
Base	349	277	-579.6	-320.03	-19.96
Base	353	278	96.85	-54.96	-0.13
Base	353	278	-106.07	-135.84	-3.18
Base	353	278	699.7	423.95	24.35
Base	353	278	-862.11	-615.8	-27.59
Base	354	279	308.49	-139.61	-1.04
Base	354	279	61.51	-266.71	-2.19
Base	354	279	866.27	229.33	25.35
Base	354	279	-693.8	-637.34	-28.14
Base	652	271	99.85	373.75	21.05
Base	652	271	-157.39	229.84	-12.31
Base	652	271	699.26	1328.24	78.09
Base	652	271	-929.13	-730.24	-61.42

1.16 VIGAS DE CIMENTACIÓN

Table: Concrete Beam Design Summary - ACI 318-08, Part 1 of 4

Table: Concrete Beam Design Summary - ACI 318-08, Part 1 of 4

Story	Label	UniqueName	DesignSect	Station	Status	AsTopCombo	AsMinTop	AsTop
Unitless	Unitless	Unitless	Unitless	m	Unitless	Unitless	m²	m²
Piso 1	B13	201	V(30x40)	0.15	No Message	B.2.4-5b	0.000228	0.000228
Piso 1	B13	201	V(30x40)	0.605	No Message	B.2.4-5b	0.000158	0.000158
Piso 1	B13	201	V(30x40)	1.06	No Message	B.2.4-7b	9.9E-05	9.9E-05
Piso 1	B13	201	V(30x40)	1.515	No Message	B.2.4-5b	5.9E-05	5.9E-05
Piso 1	B13	201	V(30x40)	1.97	No Message	B.2.4-5b	5.9E-05	5.9E-05
Piso 1	B13	201	V(30x40)	2.425	No Message	B.2.4-5b	5.9E-05	5.9E-05
Piso 1	B13	201	V(30x40)	2.88	No Message	B.2.4-5b	5.9E-05	5.9E-05
Piso 1	B13	201	V(30x40)	3.335	No Message	B.2.4-5b	5.9E-05	5.9E-05
Piso 1	B13	201	V(30x40)	3.79	No Message	B.2.4-7b	9.1E-05	9.1E-05
Piso 1	B13	201	V(30x40)	4.245	No Message	B.2.4-5b	0.000143	0.000143
Piso 1	B13	201	V(30x40)	4.7	No Message	B.2.4-5b	0.000209	0.000209
Piso 1	B33	207	V(30x40)	0.15	No Message	B.2.4-5b	0.000231	0.000231
Piso 1	B33	207	V(30x40)	0.605	No Message	B.2.4-5b	0.00016	0.00016
Piso 1	B33	207	V(30x40)	1.06	No Message	B.2.4-7b	0.000102	0.000102
Piso 1	B33	207	V(30x40)	1.515	No Message	B.2.4-5b	6.1E-05	6.1E-05
Piso 1	B33	207	V(30x40)	1.97	No Message	B.2.4-5b	6.1E-05	6.1E-05
Piso 1	B33	207	V(30x40)	2.425	No Message	B.2.4-5b	6.1E-05	6.1E-05
Piso 1	B33	207	V(30x40)	2.88	No Message	B.2.4-5b	6.1E-05	6.1E-05
Piso 1	B33	207	V(30x40)	3.335	No Message	B.2.4-5b	6.1E-05	6.1E-05
Piso 1	B33	207	V(30x40)	3.79	No Message	B.2.4-7b	0.000105	0.000105
Piso 1	B33	207	V(30x40)	4.245	No Message	B.2.4-5b	0.000167	0.000167
Piso 1	B33	207	V(30x40)	4.7	No Message	B.2.4-5b	0.000238	0.000238
Piso 1	B301	245	V(30x40)	0.15	No Message	B.2.4-5b	0.000165	0.000165
Piso 1	B301	245	V(30x40)	0.62556	No Message	B.2.4-5b	0.000102	0.000102
Piso 1	B301	245	V(30x40)	1.10111	No Message	B.2.4-7b	5E-05	5E-05
Piso 1	B301	245	V(30x40)	1.57667	No Message	B.2.4-5b	4.1E-05	4.1E-05
Piso 1	B301	245	V(30x40)	2.05222	No Message	B.2.4-5b	4.1E-05	4.1E-05
Piso 1	B301	245	V(30x40)	2.52778	No Message	B.2.4-5b	4.1E-05	4.1E-05
Piso 1	B301	245	V(30x40)	3.00333	No Message	B.2.4-5b	4.1E-05	4.1E-05
Piso 1	B301	245	V(30x40)	3.47889	No Message	B.2.4-7b	5.6E-05	5.6E-05
Piso 1	B301	245	V(30x40)	3.95444	No Message	B.2.4-7b	9.6E-05	9.6E-05
Piso 1	B301	245	V(30x40)	4.43	No Message	B.2.4-5b	0.000146	0.000146
Piso 1	B323	250	V(30x40)	0.15	No Message	B.2.4-5b	0.000204	0.000204
Piso 1	B323	250	V(30x40)	0.62556	No Message	B.2.4-5b	8.7E-05	8.7E-05
Piso 1	B323	250	V(30x40)	1.10111	No Message	B.2.4-5b	4.6E-05	4.6E-05
Piso 1	B323	250	V(30x40)	1.57667	No Message	B.2.4-5b	4.6E-05	4.6E-05
Piso 1	B323	250	V(30x40)	2.05222	No Message	B.2.4-5b	4.6E-05	4.6E-05
Piso 1	B323	250	V(30x40)	2.52778	No Message	B.2.4-5b	4.6E-05	4.6E-05
Piso 1	B323	250	V(30x40)	3.00333	No Message	B.2.4-5b	4.6E-05	4.6E-05
Piso 1	B323	250	V(30x40)	3.47889	No Message	B.2.4-5b	4.6E-05	4.6E-05
Piso 1	B323	250	V(30x40)	3.95444	No Message	B.2.4-7b	7.7E-05	7.7E-05
Piso 1	B323	250	V(30x40)	4.43	No Message	B.2.4-5b	0.000185	0.000185
Piso 1	B403	256	V(30x40)	0.2	No Message	B.2.4-5b	0.000287	0.000287

Table: Concrete Beam Design Summary - ACI 318-08, Part 1 of 4

Story	Label	UniqueName	DesignSect	Station	Status	AsTopCombo	AsMinTop	AsTop
Unitless	Unitless	Unitless	Unitless	m	Unitless	Unitless	m²	m²
Piso 1	B403	256	V(30x40)	0.69444	No Message	B.2.4-5b	0.000198	0.000198
Piso 1	B403	256	V(30x40)	1.18889	No Message	B.2.4-7b	0.000121	0.000121
Piso 1	B403	256	V(30x40)	1.68333	No Message	B.2.4-5b	7.6E-05	7.6E-05
Piso 1	B403	256	V(30x40)	2.17778	No Message	B.2.4-5b	7.6E-05	7.6E-05
Piso 1	B403	256	V(30x40)	2.67222	No Message	B.2.4-5b	7.6E-05	7.6E-05
Piso 1	B403	256	V(30x40)	3.16667	No Message	B.2.4-5b	7.6E-05	7.6E-05
Piso 1	B403	256	V(30x40)	3.66111	No Message	B.2.4-7b	0.000122	0.000122
Piso 1	B403	256	V(30x40)	4.15556	No Message	B.2.4-5b	0.000191	0.000191
Piso 1	B403	256	V(30x40)	4.65	No Message	B.2.4-5b	0.000275	0.000275
Piso 1	B405	257	V(30x40)	0.2	No Message	B.2.4-5b	0.000352	0.000352
Piso 1	B405	257	V(30x40)	0.69444	No Message	B.2.4-5b	0.000253	0.000253
Piso 1	B405	257	V(30x40)	1.18889	No Message	B.2.4-7b	0.00016	0.00016
Piso 1	B405	257	V(30x40)	1.68333	No Message	B.2.4-5b	9.5E-05	9.5E-05
Piso 1	B405	257	V(30x40)	2.17778	No Message	B.2.4-5b	9.5E-05	9.5E-05
Piso 1	B405	257	V(30x40)	2.67222	No Message	B.2.4-5b	9.5E-05	9.5E-05
Piso 1	B405	257	V(30x40)	3.16667	No Message	B.2.4-5b	9.5E-05	9.5E-05
Piso 1	B405	257	V(30x40)	3.66111	No Message	B.2.4-7b	0.00016	0.00016
Piso 1	B405	257	V(30x40)	4.15556	No Message	B.2.4-5b	0.000243	0.000243
Piso 1	B405	257	V(30x40)	4.65	No Message	B.2.4-5b	0.000341	0.000341
Piso 1	B406	258	VC(30X65)	0.2	No Message	B.2.4-5b	0.00038	0.00038
Piso 1	B406	258	VC(30X65)	0.68	No Message	B.2.4-5b	0.000245	0.000245
Piso 1	B406	258	VC(30X65)	1.16	No Message	B.2.4-5b	0.000129	0.000129
Piso 1	B406	258	VC(30X65)	1.64	No Message	B.2.4-5b	0.000123	0.000123
Piso 1	B406	258	VC(30X65)	2.12	No Message	B.2.4-5b	0.000123	0.000123
Piso 1	B406	258	VC(30X65)	2.6	No Message	B.2.4-5b	0.000123	0.000123
Piso 1	B406	258	VC(30X65)	3.08	No Message	B.2.4-5b	0.000123	0.000123
Piso 1	B406	258	VC(30X65)	3.56	No Message	B.2.4-5b	0.000123	0.000123
Piso 1	B406	258	VC(30X65)	4.04	No Message	B.2.4-5b	0.000123	0.000123
Piso 1	B406	258	VC(30X65)	4.52	No Message	B.2.4-5b	0.000123	0.000123
Piso 1	B406	258	VC(30X65)	5	No Message	B.2.4-5b	0.000123	0.000123
Piso 1	B406	258	VC(30X65)	5.48	No Message	B.2.4-5b	0.000123	0.000123
Piso 1	B406	258	VC(30X65)	5.96	No Message	B.2.4-5b	0.000123	0.000123
Piso 1	B406	258	VC(30X65)	6.44	No Message	B.2.4-5b	0.000123	0.000123
Piso 1	B406	258	VC(30X65)	6.92	No Message	B.2.4-5b	0.000217	0.000217
Piso 1	B406	258	VC(30X65)	7.4	No Message	B.2.4-5b	0.000353	0.000353
Piso 1	B406	258	VC(30X65)	7.88	No Message	B.2.4-5b	0.000506	0.000506
Piso 1	B434	259	VC(30X65)	0.2	No Message	B.2.4-5b	0.000298	0.000298
Piso 1	B434	259	VC(30X65)	0.67765	No Message	B.2.4-5b	0.000223	0.000223
Piso 1	B434	259	VC(30X65)	1.15529	No Message	B.2.4-5b	0.000156	0.000156
Piso 1	B434	259	VC(30X65)	1.63294	No Message	B.2.4-7b	0.0001	0.0001
Piso 1	B434	259	VC(30X65)	2.11059	No Message	B.2.4-5b	9.1E-05	9.1E-05
Piso 1	B434	259	VC(30X65)	2.58824	No Message	B.2.4-5b	9.1E-05	9.1E-05
Piso 1	B434	259	VC(30X65)	3.06588	No Message	B.2.4-5b	9.1E-05	9.1E-05
Piso 1	B434	259	VC(30X65)	3.54353	No Message	B.2.4-5b	9.1E-05	9.1E-05
Piso 1	B434	259	VC(30X65)	4.02118	No Message	B.2.4-5b	9.1E-05	9.1E-05
Piso 1	B434	259	VC(30X65)	4.49882	No Message	B.2.4-5b	9.1E-05	9.1E-05
Piso 1	B434	259	VC(30X65)	4.97647	No Message	B.2.4-5b	9.1E-05	9.1E-05
Piso 1	B434	259	VC(30X65)	5.45412	No Message	B.2.4-5b	9.1E-05	9.1E-05

Table: Concrete Beam Design Summary - ACI 318-08, Part 1 of 4

Story	Label	UniqueName	DesignSect	Station	Status	AsTopCombo	AsMinTop	AsTop
Unitless	Unitless	Unitless	Unitless	m	Unitless	Unitless	m²	m²
Piso 1	B434	259	VC(30X65)	5.93176	No Message	B.2.4-5b	9.1E-05	9.1E-05
Piso 1	B434	259	VC(30X65)	6.40941	No Message	B.2.4-5b	9.1E-05	9.1E-05
Piso 1	B434	259	VC(30X65)	6.88706	No Message	B.2.4-5b	0.000112	0.000112
Piso 1	B434	259	VC(30X65)	7.36471	No Message	B.2.4-5b	0.000179	0.000179
Piso 1	B434	259	VC(30X65)	7.84235	No Message	B.2.4-5b	0.000254	0.000254
Piso 1	B434	259	VC(30X65)	8.32	No Message	B.2.4-5b	0.000337	0.000337
Piso 1	B408	260	V(30x40)	0.2	No Message	B.2.4-5b	0.000226	0.000226
Piso 1	B408	260	V(30x40)	0.69666	No Message	B.2.4-5b	0.000151	0.000151
Piso 1	B408	260	V(30x40)	1.19332	No Message	B.2.4-7b	8.8E-05	8.8E-05
Piso 1	B408	260	V(30x40)	1.68997	No Message	B.2.4-5b	5.9E-05	5.9E-05
Piso 1	B408	260	V(30x40)	2.18663	No Message	B.2.4-5b	5.9E-05	5.9E-05
Piso 1	B408	260	V(30x40)	2.68329	No Message	B.2.4-5b	5.9E-05	5.9E-05
Piso 1	B408	260	V(30x40)	3.17995	No Message	B.2.4-5b	5.9E-05	5.9E-05
Piso 1	B408	260	V(30x40)	3.6766	No Message	B.2.4-7b	9E-05	9E-05
Piso 1	B408	260	V(30x40)	4.17326	No Message	B.2.4-5b	0.000149	0.000149
Piso 1	B408	260	V(30x40)	4.66992	No Message	B.2.4-5b	0.000222	0.000222
Piso 1	B436	261	V(30x40)	0.2	No Message	B.2.4-5b	0.000238	0.000238
Piso 1	B436	261	V(30x40)	0.695	No Message	B.2.4-5b	0.000136	0.000136
Piso 1	B436	261	V(30x40)	1.19	No Message	B.2.4-5b	6E-05	6E-05
Piso 1	B436	261	V(30x40)	1.685	No Message	B.2.4-5b	6E-05	6E-05
Piso 1	B436	261	V(30x40)	2.18	No Message	B.2.4-5b	6E-05	6E-05
Piso 1	B436	261	V(30x40)	2.675	No Message	B.2.4-5b	8.6E-05	8.6E-05
Piso 1	B436	261	V(30x40)	3.17	No Message	B.2.4-5b	0.00017	0.00017
Piso 1	B470	262	V(30x40)	0.2	No Message	B.2.4-5b	0.000176	0.000176
Piso 1	B470	262	V(30x40)	0.695	No Message	B.2.4-5b	0.000114	0.000114
Piso 1	B470	262	V(30x40)	1.19	No Message	B.2.4-5b	6.2E-05	6.2E-05
Piso 1	B470	262	V(30x40)	1.685	No Message	B.2.4-5b	4.7E-05	4.7E-05
Piso 1	B470	262	V(30x40)	2.18	No Message	B.2.4-5b	5E-05	5E-05
Piso 1	B470	262	V(30x40)	2.675	No Message	B.2.4-5b	9.6E-05	9.6E-05
Piso 1	B470	262	V(30x40)	3.17	No Message	B.2.4-5b	0.000152	0.000152
Piso 1	B482	280	VC(30X65)	0.2	No Message	B.2.4-5b	0.000576	0.000576
Piso 1	B482	280	VC(30X65)	0.69611	No Message	B.2.4-5b	0.000402	0.000402
Piso 1	B482	280	VC(30X65)	1.19222	No Message	B.2.4-5b	0.000248	0.000248
Piso 1	B482	280	VC(30X65)	1.68833	No Message	B.2.4-5b	0.000137	0.000137
Piso 1	B482	280	VC(30X65)	2.18444	No Message	B.2.4-5b	0.000137	0.000137
Piso 1	B482	280	VC(30X65)	2.68056	No Message	B.2.4-5b	0.000137	0.000137
Piso 1	B482	280	VC(30X65)	3.17667	No Message	B.2.4-5b	0.000137	0.000137
Piso 1	B482	280	VC(30X65)	3.67278	No Message	B.2.4-5b	0.000137	0.000137
Piso 1	B482	280	VC(30X65)	4.16889	No Message	B.2.4-5b	0.000137	0.000137
Piso 1	B482	280	VC(30X65)	4.665	No Message	B.2.4-5b	0.000137	0.000137
Piso 1	B482	280	VC(30X65)	5.16111	No Message	B.2.4-5b	0.000137	0.000137
Piso 1	B482	280	VC(30X65)	5.65722	No Message	B.2.4-5b	0.000137	0.000137
Piso 1	B482	280	VC(30X65)	6.15333	No Message	B.2.4-5b	0.000137	0.000137
Piso 1	B482	280	VC(30X65)	6.64944	No Message	B.2.4-5b	0.000137	0.000137
Piso 1	B482	280	VC(30X65)	7.14556	No Message	B.2.4-5b	0.000137	0.000137
Piso 1	B482	280	VC(30X65)	7.64167	No Message	B.2.4-5b	0.000137	0.000137
Piso 1	B482	280	VC(30X65)	8.13778	No Message	B.2.4-5b	0.000204	0.000204
Piso 1	B482	280	VC(30X65)	8.63389	No Message	B.2.4-5b	0.00035	0.00035

Table: Concrete Beam Design Summary - ACI 318-08, Part 1 of 4

Story	Label	UniqueName	DesignSect	Station	Status	AsTopCombo	AsMinTop	AsTop
Unitless	Unitless	Unitless	Unitless	m	Unitless	Unitless	m²	m²
Piso 1	B482	280	VC(30X65)	9.13	No Message	B.2.4-5b	0.000516	0.000516
Piso 1	B488	281	VC(30X65)	0.2	No Message	B.2.4-5b	0.000341	0.000341
Piso 1	B488	281	VC(30X65)	0.69611	No Message	B.2.4-5b	0.000254	0.000254
Piso 1	B488	281	VC(30X65)	1.19222	No Message	B.2.4-5b	0.000176	0.000176
Piso 1	B488	281	VC(30X65)	1.68833	No Message	B.2.4-5b	0.000106	0.000106
Piso 1	B488	281	VC(30X65)	2.18444	No Message	B.2.4-5b	9.2E-05	9.2E-05
Piso 1	B488	281	VC(30X65)	2.68056	No Message	B.2.4-5b	9.2E-05	9.2E-05
Piso 1	B488	281	VC(30X65)	3.17667	No Message	B.2.4-5b	9.2E-05	9.2E-05
Piso 1	B488	281	VC(30X65)	3.67278	No Message	B.2.4-5b	9.2E-05	9.2E-05
Piso 1	B488	281	VC(30X65)	4.16889	No Message	B.2.4-5b	9.2E-05	9.2E-05
Piso 1	B488	281	VC(30X65)	4.665	No Message	B.2.4-5b	9.2E-05	9.2E-05
Piso 1	B488	281	VC(30X65)	5.16111	No Message	B.2.4-5b	9.2E-05	9.2E-05
Piso 1	B488	281	VC(30X65)	5.65722	No Message	B.2.4-5b	9.2E-05	9.2E-05
Piso 1	B488	281	VC(30X65)	6.15333	No Message	B.2.4-5b	9.2E-05	9.2E-05
Piso 1	B488	281	VC(30X65)	6.64944	No Message	B.2.4-5b	9.2E-05	9.2E-05
Piso 1	B488	281	VC(30X65)	7.14556	No Message	B.2.4-5b	9.2E-05	9.2E-05
Piso 1	B488	281	VC(30X65)	7.64167	No Message	B.2.4-5b	0.000105	0.000105
Piso 1	B488	281	VC(30X65)	8.13778	No Message	B.2.4-5b	0.000172	0.000172
Piso 1	B488	281	VC(30X65)	8.63389	No Message	B.2.4-5b	0.000248	0.000248
Piso 1	B488	281	VC(30X65)	9.13	No Message	B.2.4-5b	0.000333	0.000333

Table: Concrete Beam Design Summary - ACI 318-08, Part 2 of 4

Table: Concrete Beam Design Summary - ACI 318-08, Part 2 of 4

Story	Label	UniqueName	Station	AsBotCombo	AsMinBot	AsBot	VCombo	VRebar
Unitless	Unitless	Unitless	m	Unitless	m²	m²	Unitless	m²/m
Piso 1	B13	201	0.15	B.2.4-7b	0.000132	0.000132	B.2.4-7b	0.00025
Piso 1	B13	201	0.605	B.2.4-7b	0.000124	0.000124	B.2.4-7b	0.00025
Piso 1	B13	201	1.06	B.2.4-5b	0.000113	0.000113	B.2.4-7b	0.00025
Piso 1	B13	201	1.515	B.2.4-5b	9.9E-05	9.9E-05	B.2.4-7b	0.00025
Piso 1	B13	201	1.97	B.2.4-5b	7.8E-05	7.8E-05	B.2.4-7b	0.00025
Piso 1	B13	201	2.425	B.2.4-5b	5.9E-05	5.9E-05	B.2.4-7b	0.00025
Piso 1	B13	201	2.88	B.2.4-5b	8.4E-05	8.4E-05	B.2.4-7b	0.00025
Piso 1	B13	201	3.335	B.2.4-5b	0.000109	0.000109	B.2.4-7b	0.00025
Piso 1	B13	201	3.79	B.2.4-5b	0.000126	0.000126	B.2.4-7b	0.00025
Piso 1	B13	201	4.245	B.2.4-7b	0.000138	0.000138	B.2.4-7b	0.00025
Piso 1	B13	201	4.7	B.2.4-7b	0.000148	0.000148	B.2.4-7b	0.00025
Piso 1	B33	207	0.15	B.2.4-7b	0.000158	0.000158	B.2.4-7b	0.00025
Piso 1	B33	207	0.605	B.2.4-7b	0.000145	0.000145	B.2.4-7b	0.00025
Piso 1	B33	207	1.06	B.2.4-5b	0.00013	0.00013	B.2.4-7b	0.00025
Piso 1	B33	207	1.515	B.2.4-5b	0.00011	0.00011	B.2.4-7b	0.00025
Piso 1	B33	207	1.97	B.2.4-5b	8.3E-05	8.3E-05	B.2.4-7b	0.00025
Piso 1	B33	207	2.425	B.2.4-5b	6.1E-05	6.1E-05	B.2.4-7b	0.00025
Piso 1	B33	207	2.88	B.2.4-5b	8.2E-05	8.2E-05	B.2.4-7b	0.00025
Piso 1	B33	207	3.335	B.2.4-5b	0.000108	0.000108	B.2.4-7b	0.00025
Piso 1	B33	207	3.79	B.2.4-5b	0.000127	0.000127	B.2.4-7b	0.00025
Piso 1	B33	207	4.245	B.2.4-7b	0.000141	0.000141	B.2.4-7b	0.00025

Table: Concrete Beam Design Summary - ACI 318-08, Part 2 of 4

Story	Label	UniqueName	Station	AsBotCombo	AsMinBot	AsBot	VCombo	VRebar
Unitless	Unitless	Unitless	m	Unitless	m²	m²	Unitless	m²/m
Piso 1	B33	207	4.7	B.2.4-7b	0.000153	0.000153	B.2.4-7b	0.00025
Piso 1	B301	245	0.15	B.2.4-5b	8.2E-05	8.2E-05	B.2.4-7b	0.00025
Piso 1	B301	245	0.62556	B.2.4-7b	6.2E-05	6.2E-05	B.2.4-7b	0.00025
Piso 1	B301	245	1.10111	B.2.4-5b	5.8E-05	5.8E-05	B.2.4-7b	0.00025
Piso 1	B301	245	1.57667	B.2.4-5b	5.2E-05	5.2E-05	B.2.4-7b	0.00025
Piso 1	B301	245	2.05222	B.2.4-5b	4.1E-05	4.1E-05	B.2.4-7b	0.00025
Piso 1	B301	245	2.52778	B.2.4-5b	6.7E-05	6.7E-05	B.2.4-7b	0.00025
Piso 1	B301	245	3.00333	B.2.4-5b	9E-05	9E-05	B.2.4-7b	0.00025
Piso 1	B301	245	3.47889	B.2.4-5b	0.000105	0.000105	B.2.4-7b	0.00025
Piso 1	B301	245	3.95444	B.2.4-5b	0.000112	0.000112	B.2.4-7b	0.00025
Piso 1	B301	245	4.43	B.2.4-7b	0.000117	0.000117	B.2.4-7b	0.00025
Piso 1	B323	250	0.15	B.2.4-5b	9.8E-05	9.8E-05	B.2.4-7b	0
Piso 1	B323	250	0.62556	B.2.4-5b	4.6E-05	4.6E-05	B.2.4-7b	0
Piso 1	B323	250	1.10111	B.2.4-5b	6.9E-05	6.9E-05	B.2.4-7b	0
Piso 1	B323	250	1.57667	B.2.4-5b	0.0001	0.0001	B.2.4-7b	0
Piso 1	B323	250	2.05222	B.2.4-1	0.000124	0.000124	B.2.4-7b	0
Piso 1	B323	250	2.52778	B.2.4-5b	0.000131	0.000131	B.2.4-7b	0
Piso 1	B323	250	3.00333	B.2.4-5b	0.000131	0.000131	B.2.4-7b	0
Piso 1	B323	250	3.47889	B.2.4-5b	0.000108	0.000108	B.2.4-7b	0
Piso 1	B323	250	3.95444	B.2.4-7b	6.6E-05	6.6E-05	B.2.4-7b	0
Piso 1	B323	250	4.43	B.2.4-5b	8.9E-05	8.9E-05	B.2.4-7b	0
Piso 1	B403	256	0.2	B.2.4-7b	0.000187	0.000187	B.2.4-5b	0.00025
Piso 1	B403	256	0.69444	B.2.4-7b	0.000164	0.000164	B.2.4-7b	0.00025
Piso 1	B403	256	1.18889	B.2.4-5b	0.000137	0.000137	B.2.4-7b	0.00025
Piso 1	B403	256	1.68333	B.2.4-5b	0.000106	0.000106	B.2.4-7b	0.00025
Piso 1	B403	256	2.17778	B.2.4-5b	7.6E-05	7.6E-05	B.2.4-7b	0.00025
Piso 1	B403	256	2.67222	B.2.4-5b	7.7E-05	7.7E-05	B.2.4-7b	0.00025
Piso 1	B403	256	3.16667	B.2.4-5b	0.000121	0.000121	B.2.4-7b	0.00025
Piso 1	B403	256	3.66111	B.2.4-5b	0.000156	0.000156	B.2.4-7b	0.00025
Piso 1	B403	256	4.15556	B.2.4-7b	0.000184	0.000184	B.2.4-7b	0.00025
Piso 1	B403	256	4.65	B.2.4-7b	0.000211	0.000211	B.2.4-5b	0.00025
Piso 1	B405	257	0.2	B.2.4-7b	0.000251	0.000251	B.2.4-5b	0.0003
Piso 1	B405	257	0.69444	B.2.4-7b	0.000213	0.000213	B.2.4-5b	0.00028
Piso 1	B405	257	1.18889	B.2.4-5b	0.000171	0.000171	B.2.4-5b	0.00027
Piso 1	B405	257	1.68333	B.2.4-5b	0.000127	0.000127	B.2.4-5b	0.00025
Piso 1	B405	257	2.17778	B.2.4-5b	9.5E-05	9.5E-05	B.2.4-7b	0.00025
Piso 1	B405	257	2.67222	B.2.4-5b	9.5E-05	9.5E-05	B.2.4-7b	0.00025
Piso 1	B405	257	3.16667	B.2.4-5b	0.000147	0.000147	B.2.4-5b	0.00025
Piso 1	B405	257	3.66111	B.2.4-5b	0.000198	0.000198	B.2.4-5b	0.00027
Piso 1	B405	257	4.15556	B.2.4-7b	0.000241	0.000241	B.2.4-5b	0.00028
Piso 1	B405	257	4.65	B.2.4-7b	0.000283	0.000283	B.2.4-5b	0.0003
Piso 1	B406	258	0.2	B.2.4-5b	0.000187	0.000187	B.2.4-7b	0.00025
Piso 1	B406	258	0.68	B.2.4-5b	0.000123	0.000123	B.2.4-5b	0.00025
Piso 1	B406	258	1.16	B.2.4-5b	0.000123	0.000123	B.2.4-5b	0.00025
Piso 1	B406	258	1.64	B.2.4-5b	0.000142	0.000142	B.2.4-7b	0
Piso 1	B406	258	2.12	B.2.4-5b	0.000193	0.000193	B.2.4-7b	0
Piso 1	B406	258	2.6	B.2.4-5b	0.000227	0.000227	B.2.4-7b	0
Piso 1	B406	258	3.08	B.2.4-5b	0.000244	0.000244	B.2.4-7b	0

Table: Concrete Beam Design Summary - ACI 318-08, Part 2 of 4

Story	Label	UniqueName	Station	AsBotCombo	AsMinBot	AsBot	VCombo	VRebar
Unitless	Unitless	Unitless	m	Unitless	m²	m²	Unitless	m²/m
Piso 1	B406	258	3.56	B.2.4-1	0.00025	0.00025	B.2.4-7b	0
Piso 1	B406	258	4.04	B.2.4-1	0.00025	0.00025	B.2.4-7b	0
Piso 1	B406	258	4.52	B.2.4-1	0.000229	0.000229	B.2.4-7b	0
Piso 1	B406	258	5	B.2.4-1	0.00019	0.00019	B.2.4-7b	0
Piso 1	B406	258	5.48	B.2.4-5b	0.000154	0.000154	B.2.4-7b	0
Piso 1	B406	258	5.96	B.2.4-5b	0.000123	0.000123	B.2.4-7b	0
Piso 1	B406	258	6.44	B.2.4-5b	0.000123	0.000123	B.2.4-7b	0
Piso 1	B406	258	6.92	B.2.4-5b	0.000123	0.000123	B.2.4-5b	0.00025
Piso 1	B406	258	7.4	B.2.4-5b	0.000123	0.000123	B.2.4-5b	0.00025
Piso 1	B406	258	7.88	B.2.4-5b	0.00025	0.00025	B.2.4-7b	0.00025
Piso 1	B434	259	0.2	B.2.4-5b	0.000153	0.000153	B.2.4-7b	0.00025
Piso 1	B434	259	0.67765	B.2.4-7b	0.000104	0.000104	B.2.4-7b	0.00025
Piso 1	B434	259	1.15529	B.2.4-7b	0.000123	0.000123	B.2.4-7b	0.00025
Piso 1	B434	259	1.63294	B.2.4-5b	0.000145	0.000145	B.2.4-7b	0.00025
Piso 1	B434	259	2.11059	B.2.4-5b	0.000161	0.000161	B.2.4-7b	0.00025
Piso 1	B434	259	2.58824	B.2.4-5b	0.00017	0.00017	B.2.4-7b	0.00025
Piso 1	B434	259	3.06588	B.2.4-5b	0.000172	0.000172	B.2.4-7b	0.00025
Piso 1	B434	259	3.54353	B.2.4-5b	0.000165	0.000165	B.2.4-7b	0.00025
Piso 1	B434	259	4.02118	B.2.4-5b	0.000151	0.000151	B.2.4-7b	0.00025
Piso 1	B434	259	4.49882	B.2.4-1	0.000142	0.000142	B.2.4-7b	0.00025
Piso 1	B434	259	4.97647	B.2.4-1	0.000129	0.000129	B.2.4-7b	0.00025
Piso 1	B434	259	5.45412	B.2.4-5b	0.000124	0.000124	B.2.4-7b	0.00025
Piso 1	B434	259	5.93176	B.2.4-5b	0.000115	0.000115	B.2.4-7b	0.00025
Piso 1	B434	259	6.40941	B.2.4-5b	9.8E-05	9.8E-05	B.2.4-7b	0.00025
Piso 1	B434	259	6.88706	B.2.4-5b	9.1E-05	9.1E-05	B.2.4-7b	0.00025
Piso 1	B434	259	7.36471	B.2.4-5b	9.1E-05	9.1E-05	B.2.4-7b	0.00025
Piso 1	B434	259	7.84235	B.2.4-5b	9.1E-05	9.1E-05	B.2.4-7b	0.00025
Piso 1	B434	259	8.32	B.2.4-5b	0.000173	0.000173	B.2.4-7b	0.00025
Piso 1	B408	260	0.2	B.2.4-7b	0.000132	0.000132	B.2.4-7b	0.00025
Piso 1	B408	260	0.69666	B.2.4-7b	0.000121	0.000121	B.2.4-7b	0.00025
Piso 1	B408	260	1.19332	B.2.4-5b	0.000106	0.000106	B.2.4-7b	0.00025
Piso 1	B408	260	1.68997	B.2.4-5b	8.7E-05	8.7E-05	B.2.4-7b	0.00025
Piso 1	B408	260	2.18663	B.2.4-5b	5.9E-05	5.9E-05	B.2.4-7b	0.00025
Piso 1	B408	260	2.68329	B.2.4-5b	6.6E-05	6.6E-05	B.2.4-7b	0.00025
Piso 1	B408	260	3.17995	B.2.4-5b	9.7E-05	9.7E-05	B.2.4-7b	0.00025
Piso 1	B408	260	3.6766	B.2.4-5b	0.000118	0.000118	B.2.4-7b	0.00025
Piso 1	B408	260	4.17326	B.2.4-7b	0.000133	0.000133	B.2.4-7b	0.00025
Piso 1	B408	260	4.66992	B.2.4-7b	0.000146	0.000146	B.2.4-7b	0.00025
Piso 1	B436	261	0.2	B.2.4-5b	0.000119	0.000119	B.2.4-5b	0.00031
Piso 1	B436	261	0.695	B.2.4-5b	6E-05	6E-05	B.2.4-5b	0.00027
Piso 1	B436	261	1.19	B.2.4-5b	6E-05	6E-05	B.2.4-7b	0.00025
Piso 1	B436	261	1.685	B.2.4-5b	6E-05	6E-05	B.2.4-7b	0.00025
Piso 1	B436	261	2.18	B.2.4-5b	6E-05	6E-05	B.2.4-7b	0.00025
Piso 1	B436	261	2.675	B.2.4-5b	6E-05	6E-05	B.2.4-5b	0.00027
Piso 1	B436	261	3.17	B.2.4-5b	8.6E-05	8.6E-05	B.2.4-5b	0.00031
Piso 1	B470	262	0.2	B.2.4-5b	9E-05	9E-05	B.2.4-7b	0.00025
Piso 1	B470	262	0.695	B.2.4-7b	5.5E-05	5.5E-05	B.2.4-7b	0.00025
Piso 1	B470	262	1.19	B.2.4-5b	4.7E-05	4.7E-05	B.2.4-7b	0.00025

Table: Concrete Beam Design Summary - ACI 318-08, Part 2 of 4

Story	Label	UniqueName	Station	AsBotCombo	AsMinBot	AsBot	VCombo	VRebar
Unitless	Unitless	Unitless	m	Unitless	m²	m²	Unitless	m²/m
Piso 1	B470	262	1.685	B.2.4-5b	4.7E-05	4.7E-05	B.2.4-7b	0.00025
Piso 1	B470	262	2.18	B.2.4-5b	4.7E-05	4.7E-05	B.2.4-7b	0.00025
Piso 1	B470	262	2.675	B.2.4-7b	5.8E-05	5.8E-05	B.2.4-7b	0.00025
Piso 1	B470	262	3.17	B.2.4-7b	8E-05	8E-05	B.2.4-7b	0.00025
Piso 1	B482	280	0.2	B.2.4-5b	0.000282	0.000282	B.2.4-7b	0.00025
Piso 1	B482	280	0.69611	B.2.4-5b	0.000137	0.000137	B.2.4-7b	0.00025
Piso 1	B482	280	1.19222	B.2.4-5b	0.000137	0.000137	B.2.4-7b	0.00025
Piso 1	B482	280	1.68833	B.2.4-5b	0.000137	0.000137	B.2.4-5b	0.00025
Piso 1	B482	280	2.18444	B.2.4-5b	0.000137	0.000137	B.2.4-7b	0
Piso 1	B482	280	2.68056	B.2.4-5b	0.00019	0.00019	B.2.4-7b	0
Piso 1	B482	280	3.17667	B.2.4-5b	0.000243	0.000243	B.2.4-7b	0
Piso 1	B482	280	3.67278	B.2.4-1	0.000291	0.000291	B.2.4-7b	0
Piso 1	B482	280	4.16889	B.2.4-1	0.000327	0.000327	B.2.4-7b	0
Piso 1	B482	280	4.665	B.2.4-1	0.000342	0.000342	B.2.4-7b	0
Piso 1	B482	280	5.16111	B.2.4-1	0.000336	0.000336	B.2.4-7b	0
Piso 1	B482	280	5.65722	B.2.4-1	0.000309	0.000309	B.2.4-7b	0
Piso 1	B482	280	6.15333	B.2.4-5b	0.000275	0.000275	B.2.4-7b	0
Piso 1	B482	280	6.64944	B.2.4-5b	0.00023	0.00023	B.2.4-7b	0
Piso 1	B482	280	7.14556	B.2.4-5b	0.000167	0.000167	B.2.4-7b	0
Piso 1	B482	280	7.64167	B.2.4-5b	0.000137	0.000137	B.2.4-5b	0.00025
Piso 1	B482	280	8.13778	B.2.4-5b	0.000137	0.000137	B.2.4-7b	0.00025
Piso 1	B482	280	8.63389	B.2.4-5b	0.000137	0.000137	B.2.4-7b	0.00025
Piso 1	B482	280	9.13	B.2.4-5b	0.000253	0.000253	B.2.4-7b	0.00025
Piso 1	B488	281	0.2	B.2.4-5b	0.000175	0.000175	B.2.4-7b	0
Piso 1	B488	281	0.69611	B.2.4-5b	9.2E-05	9.2E-05	B.2.4-7b	0
Piso 1	B488	281	1.19222	B.2.4-5b	9.2E-05	9.2E-05	B.2.4-7b	0
Piso 1	B488	281	1.68833	B.2.4-5b	9.2E-05	9.2E-05	B.2.4-7b	0
Piso 1	B488	281	2.18444	B.2.4-5b	0.000113	0.000113	B.2.4-7b	0
Piso 1	B488	281	2.68056	B.2.4-5b	0.000136	0.000136	B.2.4-7b	0
Piso 1	B488	281	3.17667	B.2.4-5b	0.000151	0.000151	B.2.4-7b	0
Piso 1	B488	281	3.67278	B.2.4-5b	0.000157	0.000157	B.2.4-7b	0
Piso 1	B488	281	4.16889	B.2.4-1	0.000166	0.000166	B.2.4-7b	0
Piso 1	B488	281	4.665	B.2.4-1	0.000172	0.000172	B.2.4-7b	0
Piso 1	B488	281	5.16111	B.2.4-5b	0.000173	0.000173	B.2.4-7b	0
Piso 1	B488	281	5.65722	B.2.4-5b	0.000177	0.000177	B.2.4-7b	0
Piso 1	B488	281	6.15333	B.2.4-5b	0.000173	0.000173	B.2.4-7b	0
Piso 1	B488	281	6.64944	B.2.4-5b	0.00016	0.00016	B.2.4-7b	0
Piso 1	B488	281	7.14556	B.2.4-5b	0.00014	0.00014	B.2.4-7b	0
Piso 1	B488	281	7.64167	B.2.4-5b	0.000111	0.000111	B.2.4-7b	0
Piso 1	B488	281	8.13778	B.2.4-5b	9.2E-05	9.2E-05	B.2.4-7b	0
Piso 1	B488	281	8.63389	B.2.4-5b	9.2E-05	9.2E-05	B.2.4-7b	0
Piso 1	B488	281	9.13	B.2.4-5b	0.000171	0.000171	B.2.4-7b	0

Table: Concrete Beam Design Summary - ACI 318-08, Part 3 of 4

Table: Concrete Beam Design Summary - ACI 318-08, Part 3 of 4

Story	Label	UniqueName	Station	TLngCombo	TLngRebar	TTrnCombo	TTrnRebar	WarnMsg
Unitless	Unitless	Unitless	m	Unitless	m²	Unitless	m²/m	Unitless
Piso 1	B13	201	0.15	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B13	201	0.605	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B13	201	1.06	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B13	201	1.515	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B13	201	1.97	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B13	201	2.425	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B13	201	2.88	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B13	201	3.335	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B13	201	3.79	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B13	201	4.245	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B13	201	4.7	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B33	207	0.15	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B33	207	0.605	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B33	207	1.06	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B33	207	1.515	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B33	207	1.97	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B33	207	2.425	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B33	207	2.88	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B33	207	3.335	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B33	207	3.79	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B33	207	4.245	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B33	207	4.7	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B301	245	0.15	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B301	245	0.62556	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B301	245	1.10111	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B301	245	1.57667	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B301	245	2.05222	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B301	245	2.52778	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B301	245	3.00333	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B301	245	3.47889	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B301	245	3.95444	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B301	245	4.43	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B323	250	0.15	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B323	250	0.62556	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B323	250	1.10111	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B323	250	1.57667	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B323	250	2.05222	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B323	250	2.52778	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B323	250	3.00333	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B323	250	3.47889	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B323	250	3.95444	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B323	250	4.43	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B403	256	0.2	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B403	256	0.69444	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B403	256	1.18889	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B403	256	1.68333	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B403	256	2.17778	B.2.4-7b	0	B.2.4-7b	0	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 3 of 4

Story	Label	UniqueName	Station	TLngCombo	TLngRebar	TTrnCombo	TTrnRebar	WarnMsg
Unitless	Unitless	Unitless	m	Unitless	m²	Unitless	m²/m	Unitless
Piso 1	B403	256	2.67222	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B403	256	3.16667	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B403	256	3.66111	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B403	256	4.15556	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B403	256	4.65	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B405	257	0.2	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B405	257	0.69444	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B405	257	1.18889	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B405	257	1.68333	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B405	257	2.17778	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B405	257	2.67222	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B405	257	3.16667	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B405	257	3.66111	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B405	257	4.15556	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B405	257	4.65	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B406	258	0.2	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B406	258	0.68	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B406	258	1.16	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B406	258	1.64	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B406	258	2.12	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B406	258	2.6	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B406	258	3.08	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B406	258	3.56	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B406	258	4.04	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B406	258	4.52	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B406	258	5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B406	258	5.48	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B406	258	5.96	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B406	258	6.44	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B406	258	6.92	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B406	258	7.4	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B406	258	7.88	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B434	259	0.2	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B434	259	0.67765	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B434	259	1.15529	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B434	259	1.63294	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B434	259	2.11059	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B434	259	2.58824	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B434	259	3.06588	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B434	259	3.54353	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B434	259	4.02118	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B434	259	4.49882	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B434	259	4.97647	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B434	259	5.45412	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B434	259	5.93176	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B434	259	6.40941	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B434	259	6.88706	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B434	259	7.36471	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B434	259	7.84235	B.2.4-7b	0	B.2.4-7b	0	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 3 of 4

Story	Label	UniqueName	Station	TLngCombo	TLngRebar	TTrnCombo	TTrnRebar	WarnMsg
Unitless	Unitless	Unitless	m	Unitless	m²	Unitless	m²/m	Unitless
Piso 1	B434	259	8.32	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B408	260	0.2	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B408	260	0.69666	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B408	260	1.19332	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B408	260	1.68997	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B408	260	2.18663	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B408	260	2.68329	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B408	260	3.17995	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B408	260	3.6766	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B408	260	4.17326	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B408	260	4.66992	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B436	261	0.2	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B436	261	0.695	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B436	261	1.19	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B436	261	1.685	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B436	261	2.18	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B436	261	2.675	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B436	261	3.17	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B470	262	0.2	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B470	262	0.695	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B470	262	1.19	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B470	262	1.685	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B470	262	2.18	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B470	262	2.675	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B470	262	3.17	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B482	280	0.2	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B482	280	0.69611	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B482	280	1.19222	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B482	280	1.68833	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B482	280	2.18444	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B482	280	2.68056	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B482	280	3.17667	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B482	280	3.67278	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B482	280	4.16889	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B482	280	4.665	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B482	280	5.16111	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B482	280	5.65722	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B482	280	6.15333	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B482	280	6.64944	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B482	280	7.14556	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B482	280	7.64167	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B482	280	8.13778	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B482	280	8.63389	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B482	280	9.13	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B488	281	0.2	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B488	281	0.69611	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B488	281	1.19222	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B488	281	1.68833	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B488	281	2.18444	B.2.4-7b	0	B.2.4-7b	0	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 3 of 4

Story	Label	UniqueName	Station	TLngCombo	TLngRebar	TTrnCombo	TTrnRebar	WarnMsg
Unitless	Unitless	Unitless	m	Unitless	m²	Unitless	m²/m	Unitless
Piso 1	B488	281	2.68056	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B488	281	3.17667	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B488	281	3.67278	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B488	281	4.16889	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B488	281	4.665	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B488	281	5.16111	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B488	281	5.65722	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B488	281	6.15333	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B488	281	6.64944	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B488	281	7.14556	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B488	281	7.64167	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B488	281	8.13778	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B488	281	8.63389	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B488	281	9.13	B.2.4-7b	0	B.2.4-7b	0	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 4 of 4

Table: Concrete Beam Design Summary - ACI 318-08, Part 4 of 4

Story	Label	UniqueName	Station	ErrMsg
Unitless	Unitless	Unitless	m	Unitless
Piso 1	B13	201	0.15	No Message
Piso 1	B13	201	0.605	No Message
Piso 1	B13	201	1.06	No Message
Piso 1	B13	201	1.515	No Message
Piso 1	B13	201	1.97	No Message
Piso 1	B13	201	2.425	No Message
Piso 1	B13	201	2.88	No Message
Piso 1	B13	201	3.335	No Message
Piso 1	B13	201	3.79	No Message
Piso 1	B13	201	4.245	No Message
Piso 1	B13	201	4.7	No Message
Piso 1	B33	207	0.15	No Message
Piso 1	B33	207	0.605	No Message
Piso 1	B33	207	1.06	No Message
Piso 1	B33	207	1.515	No Message
Piso 1	B33	207	1.97	No Message
Piso 1	B33	207	2.425	No Message
Piso 1	B33	207	2.88	No Message
Piso 1	B33	207	3.335	No Message
Piso 1	B33	207	3.79	No Message
Piso 1	B33	207	4.245	No Message
Piso 1	B33	207	4.7	No Message
Piso 1	B301	245	0.15	No Message
Piso 1	B301	245	0.62556	No Message
Piso 1	B301	245	1.10111	No Message
Piso 1	B301	245	1.57667	No Message
Piso 1	B301	245	2.05222	No Message
Piso 1	B301	245	2.52778	No Message
Piso 1	B301	245	3.00333	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 4 of 4

Story	Label	UniqueName	Station	ErrMsg
Unitless	Unitless	Unitless	m	Unitless
Piso 1	B301	245	3.47889	No Message
Piso 1	B301	245	3.95444	No Message
Piso 1	B301	245	4.43	No Message
Piso 1	B323	250	0.15	No Message
Piso 1	B323	250	0.62556	No Message
Piso 1	B323	250	1.10111	No Message
Piso 1	B323	250	1.57667	No Message
Piso 1	B323	250	2.05222	No Message
Piso 1	B323	250	2.52778	No Message
Piso 1	B323	250	3.00333	No Message
Piso 1	B323	250	3.47889	No Message
Piso 1	B323	250	3.95444	No Message
Piso 1	B323	250	4.43	No Message
Piso 1	B403	256	0.2	No Message
Piso 1	B403	256	0.69444	No Message
Piso 1	B403	256	1.18889	No Message
Piso 1	B403	256	1.68333	No Message
Piso 1	B403	256	2.17778	No Message
Piso 1	B403	256	2.67222	No Message
Piso 1	B403	256	3.16667	No Message
Piso 1	B403	256	3.66111	No Message
Piso 1	B403	256	4.15556	No Message
Piso 1	B403	256	4.65	No Message
Piso 1	B405	257	0.2	No Message
Piso 1	B405	257	0.69444	No Message
Piso 1	B405	257	1.18889	No Message
Piso 1	B405	257	1.68333	No Message
Piso 1	B405	257	2.17778	No Message
Piso 1	B405	257	2.67222	No Message
Piso 1	B405	257	3.16667	No Message
Piso 1	B405	257	3.66111	No Message
Piso 1	B405	257	4.15556	No Message
Piso 1	B405	257	4.65	No Message
Piso 1	B406	258	0.2	No Message
Piso 1	B406	258	0.68	No Message
Piso 1	B406	258	1.16	No Message
Piso 1	B406	258	1.64	No Message
Piso 1	B406	258	2.12	No Message
Piso 1	B406	258	2.6	No Message
Piso 1	B406	258	3.08	No Message
Piso 1	B406	258	3.56	No Message
Piso 1	B406	258	4.04	No Message
Piso 1	B406	258	4.52	No Message
Piso 1	B406	258	5	No Message
Piso 1	B406	258	5.48	No Message
Piso 1	B406	258	5.96	No Message
Piso 1	B406	258	6.44	No Message
Piso 1	B406	258	6.92	No Message
Piso 1	B406	258	7.4	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 4 of 4

Story	Label	UniqueName	Station	ErrMsg
Unitless	Unitless	Unitless	m	Unitless
Piso 1	B406	258	7.88	No Message
Piso 1	B434	259	0.2	No Message
Piso 1	B434	259	0.67765	No Message
Piso 1	B434	259	1.15529	No Message
Piso 1	B434	259	1.63294	No Message
Piso 1	B434	259	2.11059	No Message
Piso 1	B434	259	2.58824	No Message
Piso 1	B434	259	3.06588	No Message
Piso 1	B434	259	3.54353	No Message
Piso 1	B434	259	4.02118	No Message
Piso 1	B434	259	4.49882	No Message
Piso 1	B434	259	4.97647	No Message
Piso 1	B434	259	5.45412	No Message
Piso 1	B434	259	5.93176	No Message
Piso 1	B434	259	6.40941	No Message
Piso 1	B434	259	6.88706	No Message
Piso 1	B434	259	7.36471	No Message
Piso 1	B434	259	7.84235	No Message
Piso 1	B434	259	8.32	No Message
Piso 1	B408	260	0.2	No Message
Piso 1	B408	260	0.69666	No Message
Piso 1	B408	260	1.19332	No Message
Piso 1	B408	260	1.68997	No Message
Piso 1	B408	260	2.18663	No Message
Piso 1	B408	260	2.68329	No Message
Piso 1	B408	260	3.17995	No Message
Piso 1	B408	260	3.6766	No Message
Piso 1	B408	260	4.17326	No Message
Piso 1	B408	260	4.66992	No Message
Piso 1	B436	261	0.2	No Message
Piso 1	B436	261	0.695	No Message
Piso 1	B436	261	1.19	No Message
Piso 1	B436	261	1.685	No Message
Piso 1	B436	261	2.18	No Message
Piso 1	B436	261	2.675	No Message
Piso 1	B436	261	3.17	No Message
Piso 1	B470	262	0.2	No Message
Piso 1	B470	262	0.695	No Message
Piso 1	B470	262	1.19	No Message
Piso 1	B470	262	1.685	No Message
Piso 1	B470	262	2.18	No Message
Piso 1	B470	262	2.675	No Message
Piso 1	B470	262	3.17	No Message
Piso 1	B482	280	0.2	No Message
Piso 1	B482	280	0.69611	No Message
Piso 1	B482	280	1.19222	No Message
Piso 1	B482	280	1.68833	No Message
Piso 1	B482	280	2.18444	No Message
Piso 1	B482	280	2.68056	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 4 of 4

Story	Label	UniqueName	Station	ErrMsg
Unitless	Unitless	Unitless	m	Unitless
Piso 1	B482	280	3.17667	No Message
Piso 1	B482	280	3.67278	No Message
Piso 1	B482	280	4.16889	No Message
Piso 1	B482	280	4.665	No Message
Piso 1	B482	280	5.16111	No Message
Piso 1	B482	280	5.65722	No Message
Piso 1	B482	280	6.15333	No Message
Piso 1	B482	280	6.64944	No Message
Piso 1	B482	280	7.14556	No Message
Piso 1	B482	280	7.64167	No Message
Piso 1	B482	280	8.13778	No Message
Piso 1	B482	280	8.63389	No Message
Piso 1	B482	280	9.13	No Message
Piso 1	B488	281	0.2	No Message
Piso 1	B488	281	0.69611	No Message
Piso 1	B488	281	1.19222	No Message
Piso 1	B488	281	1.68833	No Message
Piso 1	B488	281	2.18444	No Message
Piso 1	B488	281	2.68056	No Message
Piso 1	B488	281	3.17667	No Message
Piso 1	B488	281	3.67278	No Message
Piso 1	B488	281	4.16889	No Message
Piso 1	B488	281	4.665	No Message
Piso 1	B488	281	5.16111	No Message
Piso 1	B488	281	5.65722	No Message
Piso 1	B488	281	6.15333	No Message
Piso 1	B488	281	6.64944	No Message
Piso 1	B488	281	7.14556	No Message
Piso 1	B488	281	7.64167	No Message
Piso 1	B488	281	8.13778	No Message
Piso 1	B488	281	8.63389	No Message
Piso 1	B488	281	9.13	No Message

ANEXO D – MUROS NO ESTRUCTURALES

ANEXO D - DISEÑO MUROS NO ESTRUCTURALES

Muros apoyados arriba y abajo

F.1. - Valor de Sa [%g]

- Periodo fundamental de la estructura.

donde,

Ct =	0.047
α =	0.900
h_n (m) =	4.000

⟹

Ta (seg) =	0.164

- Del espectro elástico se obtiene

Sa(g) =	0.997

F.2. - Aceleración horizontal ax

$$a_x = As + \frac{(Sa - As)h_x}{h_{eq}} \quad ; h_x < h_{eq}$$

$$a_x = Sa\frac{h_x}{h_{eq}} \quad ; h_x \geq h_{eq}$$

	h_x [m]	a_x [%g]
Piso 1	0.00	0.997

A_s: Aceleración máxima en la superficie del suelo estimada como la aceleración espectral correspondiente a un periodo de vibración igual a cero.

As(g) =	0.997

h_n: Altura total del edificio.

h_{eq}: Altura equivalente del sistema de 1 GDL que simula la edificación. $h_{eq} = 0.75h_n$

h_{eq}(m) =	3.0

h_x: Altura medida desde la base del edificio hasta la base ó apoyo del elemento no estructural.

F.3. - Coeficiente de amplificación dinámica ap

- Elemento no estructural: *Muros divisorios y particiones*
- Tipo: *Muros divisorios de altura total* ⟹ $a_p = 1.0$ Tabla (A.9.5-1)

F.4. - Coeficiente de capacidad de disipación de energía Rp

- Tipo de anclaje: *Anclajes Dúctiles* ⟹ $R_p = 3.0$ (A.9.4.9)

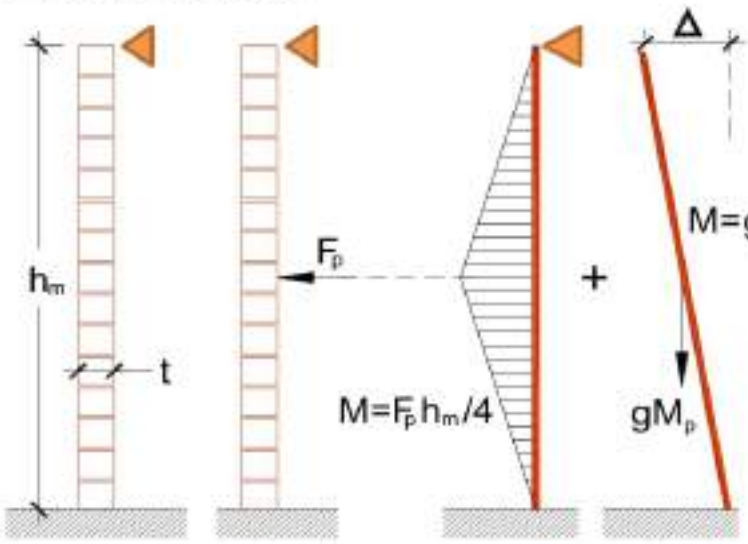
F.5. - Fuerza sísmica de diseño

$$F_p = 0.7\frac{a_x a_p}{R_p} g M_p \quad \text{(A.9.4-1)}$$

M_p: Masa del elemento no estructural.
Factor de 0.7 debido al diseño por ASD.

Fp (Kg):	147.17

F.6. - Muro no estructural



Muro en mampostería reforzada
- Bloque estructural arcilla - 12x19x29

- Caracteristicas muro

t (cm):	12
hm (cm):	285

- Se analiza el muro tomando como profundidad establecida de 1.0m

Mp (Kg):	632.70
Fp (Kg):	147.17
Mmáx (Kg-m):	113.87

F.6.1. - Especificaciones mampostería

- Mortero de Pega	f'cp =	175	kg/cm²	D.3.4.
- Mortero de Relleno	f'cr =	125	kg/cm²	D.3.5.

F.6.2. - Unidad de mampostería

- Resistencia Unidad de mampostería	f'cu =	225	kg/cm²

- La resistencia promedio de los ladrillos es de 241 kg/cm^2

F.6.3. - Valor de f'm

$$Rm = \left(\frac{2h}{75+3h}\right) f'_{cu} + \left(\frac{50k_p}{75+3h}\right) f'_{cp} \leq 0.8 f'_{cu} \qquad \text{D.3.7-1.}$$

h : Altura de la unidad de mampostería, en mm.
K_p : Factor de corrección por absorción de la unidad.

K_p : 1.4, unidades de concreto
K_p : 0.8, unidades de arcilla

h :	190

K_p :	0.80

R_m : 143.4 kg/cm^2 < 0.8f'cu = 180 Kg/m^2

$$f'_m = 0.75[rR_m + 0.9k_r(1-r)f'_{cr}] \leq 0.94R_m \qquad \text{D.3.7-3.}$$

r : Relación entre el área neta y el área bruta de las unidades de mampostería.
K_r : Factor de corrección por absorción de la unidad en la mampostería inyectada.

K_r : 0.90, Para unidades de concreto
K_r : 0.75, Para unidades de arcilla o sílico - calcáreas

r :	0.55

K_r :	0.75

f'm : 88 kg/cm^2 < 0.94Rm = 135 Kg/m^2

F.6.4. - Modulo de elásticidad de la mampostería

E_m : 750 f'm ⟹ E_m : 65725 kg/cm^2

F.7. - Diseño muro no estructural

- **Esfuerzos admisibles**

Fa-adm :	11.92	kg/cm^2
Fs-adm :	1680.0	kg/cm^2
Fb-adm :	29.21	kg/cm^2
Fv-adm :	0.74	kg/cm^2

Usar 1 barra #4 @ 90cm ⟹

As-req :	1.151	cm^2
As-sum :	1.290	cm^2 ✓

ρ :	0.00239	k :	0.453	j :	0.85	OK

f_a :	1.0	kg/cm^2	< fa - adm	
f_s :	1559.9	kg/cm^2	< fs - adm	
f_m :	16.44	kg/cm^2	< fb - adm	✓
f_v :	0.52	kg/cm^2	< Fv - adm	✓
Ec. Unitaria	0.64	< 1.33	ok	

- Refuerzo longitudinal — Usar 1 barra # 4@90cm
- Refuerzo transversal — Usar escalerilla 2Φ4.0mm @44cm

ANEXO E – DISEÑO PROTECCIÓN CONTRA EL FUEGO

ANEXO E – DISEÑO PROTECCIÓN CONTRA EL FUEGO

1 CLASIFICACIÓN DE LA ESTRUCTURA

La clasificación de la estructura se realiza de acuerdo con lo prescrito en el titulo K y la resistencia requerida al fuego de la estructura de acuerdo con el título J de la NSR-10.

1.1 CLASIFICACIÓN POR GRUPO DE OCUPACIÓN

Según el capitulo K.2.1 de la norma NSR-10, específicamente en la tabla K.2.1-1, la estructura se clasifica dentro del Grupo de ocupación Institucional (I) y Subgrupo de Ocupación Educación (I-2).

Tabla K.2.1-1
Grupos y subgrupos de ocupación

Grupos y Subgrupos de ocupación	Clasificación	Sección
A	**ALMACENAMIENTO**	K.2.2
A-1	Riesgo moderado	
A-2	Riesgo bajo	
C	**COMERCIAL**	K.2.3
C-1	Servicios	
C-2	Bienes	
E	**ESPECIALES**	K.2.4
F	**FABRIL E INDUSTRIAL**	K.2.5
F-1	Riesgo moderado	
F-2	Riesgo bajo	
I	**INSTITUCIONAL**	K.2.6
I-1	Reclusión	
I-2	Salud o incapacidad	
I-3	Educación	
I-4	Seguridad pública	
I-5	Servicio público	
L	**LUGARES DE REUNIÓN**	K.2.7
L-1	Deportivos	
L-2	Culturales y teatros	
L-3	Sociales y recreativos	
L-4	Religiosos	
L-5	De transporte	
M	**MIXTO Y OTROS**	K.2.8
P	**ALTA PELIGROSIDAD**	K.2.9
R	**RESIDENCIAL**	K.2.10
R-1	Unifamiliar y bifamiliar	
R-2	Multifamiliar	
R-3	Hoteles	
T	**TEMPORAL**	K.2.11

1.2 CLASIFICACIÓN DE LA EDIFICACIÓN EN UNA CATEGORÍA DE RIESGO

Toda edificación debe clasificarse en una de las categorías de riesgo definidas en J.3.3.1. Dependiendo del grupo de uso de la edificación bajo estudio, esta clasificación se hace en función del área construida, de acuerdo con la tabla J.3.3-1, o en función del potencial de combustión, de acuerdo con la tabla J.3.3-2.

Tabla J.3.3-1
Categorización de las edificaciones para efectos de resistencia contra el fuego de acuerdo con su uso, área construida, y número de pisos.

Grupos y subgrupos de ocupación	Área total construida, A_T m²	Número de pisos						
		1	2	3	4	5	6	≥ 7
(C-1)	$A_T > 1500$	III	III	II	II	II	I	I
	$A_T < 1500$	III	III	III	II	II	II	I
(C-2)	$A_T > 500$	II	I	I	I	I	I	I
	$A_T < 500$			II	I	I	I	I
(E)	Sin límite	III	III	III	II	II	II	I
(I-2), (I-4)	$A_T > 1000$	III	II	II	I	I	I	I
	$500 < A_T < 1000$	III	III	II	II	I	I	I
	$A_T < 500$	III	III	III	II	II	II	I
(I-3)	$A_T > 1000$	II	II	I	I	I	I	I
	$A_T < 1000$		III	II	II	I	I	I
(L-1), (L-2), (L-3), (L-4)	$A_T > 1000$	II	I	I	I	I	I	I
(L-5), (I-1), (I-5)	$500 < A_T < 1000$	II	II	I	I	I	I	I
	$A_T < 500$	III	III	II	II	I	I	I
(R-1), (R-2)	Unidades > 140 m²				II	I	I	I
	Unidades ≤ 140 m²				III	II	II	I
(R-3)	$A_T > 5000$	III	II	I	I	I	I	I
	$A_T < 5000$	III	II	II	II	I	I	I

Notas: (1). En edificios para vivienda, el límite de 140 m² por unidad corresponde al promedio aritmético de las áreas de todas las unidades, sin tener en cuenta las zonas comunes.

De acuerdo a lo anterior la edificación se clasifica dentro de la categoría II.

J.3.3.1.3 — *Categoría III* — Esta categoría comprende las edificaciones con baja capacidad de combustión. Incluye:

(a) Grupos de Ocupación (R-1), edificaciones para viviendas con 10 pisos o menos.
(b) Grupos de Ocupación (A-2), (F-2) y en general bodegas y edificios industriales no comprendidos en el numeral J.3.3.1.1, literal (b).

1.3 RESISTENCIA REQUERIDA CONTRA EL FUEGO

Según la Tabla J.3.4-3 del NSR-10, de acuerdo a la Categoría de Riesgo de la estructura, los elementos de una edificación deben resistir al fuego un tiempo mínimo determinado.

Tabla J.3.4-3
Resistencia requerida al fuego normalizado NTC 1480 (ISO 834), en horas, de elementos de una edificación de todos los grupos de ocupación excepto R-1 y R-2. (Véase Nota 1)

Elementos de la construcción	Categoría según la clasificación dada en J.3.3.1		
	I	II	III
Muros Cortafuego	3	2	1
Muros de cerramiento de escaleras, ascensores, buitrones, ductos para basuras y corredores de evacuación protegidos	2	2	1
Muros divisorios entre unidades	1	1	1
Muros interiores no portantes	½	¼	-
Elementos estructurales de los materiales cubiertos por los Títulos C a G del Reglamento NSR-10	2	1	1
Cubiertas	1	1	½
Escaleras interiores no encerradas con muros	2	1	1

Nota 1. En la sección J.3.3.3 se indican los grupos de ocupación que están exentos de cuantificación de resistencia contra el fuego y para los cuales no hay necesidad de aplicar la presente tabla.

Tabla K.2.6-2
Subgrupo de ocupación institucional de salud o incapacidad (I-2)

Hospitales	Ancianatos
Sanatorios	Guarderías
Clínicas	Dispensarios
Centros de salud	Laboratorios clínicos
Centros para discapacitados	Hospicios
Puestos de primeros auxilios	Otros similares
Orfanatos	

De acuerdo con el subgrupo I-2 y la categoría de riesgo III, los elementos deben protegerse a la exposición al fuego así:

2 SISTEMAS DE PROTECCIÓN

2.1 ELEMENTOS ESTRUCTURALES

- **COLUMNAS**

J.3.5.2.1 — ***Columnas de concreto estructural*** — Las columnas de concreto estructural deben cumplir los siguientes requisitos para efectos de su resistencia al fuego:

(a) La dimensión mínima para columnas en estructuras con capacidad especial de disipación de energía *DES* dada en C.21.6.1.1 de 300 mm, es adecuada para resistencia al fuego requerida de tres (3) horas.
(b) La dimensión mínima para columnas en estructuras con capacidad moderada de disipación de energía *DMO* dada en C.21.3.5.1 de 250 mm, es adecuada para resistencia al fuego requerida hasta de dos (2) horas. Este tamaño de columna no se permite en zonas de amenaza sísmica alta.
(c) Una dimensión mínima de 200 mm es adecuada para resistencia al fuego requerida hasta de una (1) hora. El Título C no establece una dimensión mínima para columnas con capacidad mínima de disipación de energía *DMI*. Este tamaño de columna no se permite en zonas de amenaza sísmica alta e intermedia.
(d) Los requisitos de recubrimiento para concreto construido en sitio dados en C.7.7.1 de 40 mm para estribos, espirales y armadura principal, son adecuados para resistencia al fuego requerida hasta de tres (3) horas.

De acuerdo a lo anterior todas las columnas del proyecto cumplen las dimensiones de C.21.6.1.1 y recubrimientos C.7.7.1, lo cual les garantiza una resistencia de 3 horas.

- **VIGAS**

J.3.5.2.4 — ***Vigas de concreto estructural*** — Las vigas de concreto estructural deben cumplir los siguientes requisitos para efectos de su resistencia al fuego:

(a) El ancho mínimo del alma de vigas en estructuras con capacidad especial de disipación de energía *DES* dada en C.21.5.1.3 de 250 mm, es adecuado para resistencia al fuego requerida de tres (3) horas.
(b) El ancho mínimo del alma de vigas en estructuras con capacidad moderada de disipación de energía *DMO* dada en C.21.3.4.1 de 200 mm, es adecuada para resistencia al fuego requerida de dos (2) horas. Este ancho del alma de vigas no se permite en zonas de amenaza sísmica alta.
(c) El ancho mínimo del alma de vigas no debe ser menor de 120 mm para resistencia al fuego requerida de una (1) hora. Este ancho del alma de vigas no se permite en zonas de amenaza sísmica alta e intermedia.
(e) Los requisitos de recubrimiento para concreto construido en sitio dados en C.7.7.1 de 40 mm para estribos y armadura principal, son adecuados para resistencia al fuego requerida hasta de dos (2) horas.
(f) Para tres (3) horas de resistencia al fuego requerida se debe emplear un recubrimiento de 60 mm.

De acuerdo a lo anterior todas las vigas del proyecto cumplen las dimensiones de C.21.5.1.3 y recubrimientos C.7.7.1, lo cual les garantiza una resistencia de 3 horas.

- **MUROS ESTRUCTURALES**

J.3.5.2.2 — ***Muros estructurales*** — Los muros estructurales de concreto deben cumplir los siguientes requisitos para efectos de su resistencia al fuego:

(a) El ancho mínimo en muros estructurales no debe ser menor de 150 mm para resistencia al fuego requerida de tres (3) horas.
(b) El ancho mínimo en muros estructurales no debe ser menor de 100 mm para resistencia al fuego requerida de dos (2) horas.
(c) El ancho mínimo en muros estructurales no debe ser menor de 80 mm para resistencia al fuego requerida de una (1) hora.
(d) Los requisitos de recubrimiento para concreto construido en sitio dados en C.7.7.1 de 20 mm para refuerzo con barras No. 11 (1-3/8" ó 36M (36 mm), solo es adecuado para resistencia al fuego requerida hasta de una (1) hora.
(e) Para resistencia al fuego requerida de dos (2) horas o más, el recubrimiento para concreto construido en sitio debe ser al menos 25 mm.

De acuerdo a lo anterior todos los muros del proyecto cumplen las dimensiones de dimensión menor mayor a 150mm y recubrimientos mayores a 25mm, lo cual les garantiza una resistencia de 2 horas.

2.2 ELEMENTOS NO ESTRUCTURALES

- Muros de cerramiento de escaleras.
- Muros interiores no portantes.

ELEMENTOS DE MAMPOSTERÍA – Para proveer muros de mampostería con las resistencias al fuego normalizado especificadas en el numeral J.3.4.3, debe estimarse la resistencia al fuego de la mampostería, especificadas en la tabla J.3.5.7 o J.3.5.8 en función de su espesor mínimo equivalente.

Tabla J.3.5-1
Espesor mínimo equivalente, e_t, de muros de mampostería de arcilla, en mm, en función de la resistencia al fuego en horas. Véase la Nota-1

Tipo de unidad	Resistencia al fuego en horas		
	1 Nota-2	2	3
Maciza	60	90	110
De perforación vertical	50	80	100
De perforación horizontal	45	65	90

Nota-1: Las unidades de mampostería de arcilla deben cumplir los requisitos dados en D.3.6 respecto a propiedades y normas técnicas.

Nota-2: La resistencia al fuego de 1 hora se considera que se cumple implícitamente en las siguientes unidades de arcilla:

(a) Para unidades macizas hasta con 25% de vacíos, 1 hora de resistencia al fuego se cumple con unidades de ancho nominal de 100 mm.

(b) Para unidades de perforación vertical hasta con 65% de vacíos (máximo porcentaje de vacíos permitido por D.3.6.4.1) y con sus celdas para alojar refuerzo vertical con o sin mortero de relleno, 1 hora de resistencia al fuego se cumple con unidades con ancho nominal de 120 mm.

(c) Para unidades de perforación horizontal que cumplan con los espesores mínimos de pared establecidos en la norma NTC 4205, 1 hora de resistencia al fuego se cumple con unidades con ancho nominal de 100 mm.

J.3.5.3.1 – El espesor mínimo equivalente se calcula con base en la ecuación J.3.5-1

$$e_E = \frac{V}{LA} \qquad \text{(J.3.5-1)}$$

Donde:

e_E = espesor equivalente.
V = volumen de sólidos de una unidad de mampostería.
L = longitud de la unidad de mampostería.
A = altura de la unidad de mampostería

ANEXO F – DISEÑO DE ELEMENTOS METÁLICOS Y CONEXIONES

Table: Steel Frame Design Summary - AISC 360-10, Part 1 of 2

Table: Steel Frame Design Summary - AISC 360-10, Part 1 of 2

Story	Label	UniqueName	Design Type	Design Section	Status	PMM Combo	PMM Ratio	P Ratio
Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless
CB	C81	402	Column	Tub 100x200x4mm	No Message	B.2.4-3b(C)	0.187	0.008
CB	C81	402	Column	Tub 100x200x4mm	No Message	B.2.4-3b(T)	0.054	0.002
CB	C91	397	Column	Tub 100x200x4mm	No Message	B.2.4-3b(C)	0.195	0.017
CB	C91	397	Column	Tub 100x200x4mm	No Message	B.2.4-3b(T)	0.059	0.004
CB	C112	393	Column	Tub 100x200x4mm	No Message	B.2.4-3b(C)	0.221	0.015
CB	C112	393	Column	Tub 100x200x4mm	No Message	B.2.4-3b(T)	0.061	0.004
CB	C142	385	Column	Tub 100x200x4mm	No Message	B.2.4-3b(C)	0.208	0.015
CB	C142	385	Column	Tub 100x200x4mm	No Message	B.2.4-3b(T)	0.071	0.004
CB	C147	381	Column	Tub 100x200x4mm	No Message	B.2.4-3b(C)	0.205	0.015
CB	C147	381	Column	Tub 100x200x4mm	No Message	B.2.4-3b(T)	0.066	0.003
CB	C645	594	Column	Tub 100x50x3mm	No Message	B.2.4-3b(C)	0.09	0.0001044
CB	C645	594	Column	Tub 100x50x3mm	No Message	B.2.4-3b(T)	0.109	0
CB	C646	595	Column	Tub 100x50x3mm	No Message	B.2.4-4b(C)	0.263	0.0001119
CB	C646	595	Column	Tub 100x50x3mm	No Message	B.2.4-4b(T)	0.238	0
CB	C647	662	Column	Tub 100x50x3mm	No Message	(T)	0.121	0.001
CB	C648	666	Column	Tub 100x50x3mm	No Message	B.2.4-4b(C)	0.229	0.001
CB	C649	734	Column	Tub 100x50x3mm	No Message	(T)	0.116	0.001
CB	C650	735	Column	Tub 100x50x3mm	No Message	B.2.4-4b(C)	0.239	0.002
CB	C651	228	Column	Tub 100x50x3mm	No Message	(T)	0.086	0.002
CB	C652	337	Column	Tub 100x50x3mm	No Message	B.2.4-4b(C)	0.176	0.003
CB	C653	411	Column	Tub 100x50x3mm	No Message	(T)	0.185	0.001
CB	C654	443	Column	Tub 100x50x3mm	No Message	B.2.4-3b(C)	0.346	0.002
CB	C655	830	Column	Tub 100x50x3mm	No Message	B.2.4-4b(C)	0.02	0
CB	C655	830	Column	Tub 100x50x3mm	No Message	B.2.4-4b(T)	0.001	0

Table: Steel Frame Design Summary - AISC 360-10, Part 1 of 2

Story	Label	UniqueName	Design Type	Design Section	Status	PMM Combo	PMM Ratio	P Ratio
Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless
CB	C656	831	Column	Tub 100x50x3mm	No Message	B.2.4-4b(C)	0.006	0
CB	C656	831	Column	Tub 100x50x3mm	No Message	B.2.4-4b(T)	0.02	0
CB	C657	832	Column	Tub 100x50x3mm	No Message	B.2.4-4b(C)	0.014	0
CB	C658	835	Column	Tub 100x50x3mm	No Message	B.2.4-4b(C)	0.006	0
CB	C658	835	Column	Tub 100x50x3mm	No Message	B.2.4-4b(T)	0.014	0
CB	C659	838	Column	Tub 100x50x3mm	No Message	B.2.4-4b(C)	0.032	0
CB	C659	838	Column	Tub 100x50x3mm	No Message	B.2.4-4b(T)	0.006	0
CB	C660	841	Column	Tub 100x50x3mm	No Message	B.2.4-5b(C)	0.001	0
CB	C660	841	Column	Tub 100x50x3mm	No Message	B.2.4-5b(T)	0.033	0
CB	C661	854	Column	Tub 100x50x3mm	No Message	B.2.4-3b(C)	0.017	0
CB	C661	854	Column	Tub 100x50x3mm	No Message	B.2.4-3b(T)	0.0004777	0
CB	C662	870	Column	Tub 100x50x3mm	No Message	B.2.4-4b(C)	0.001	0
CB	C662	870	Column	Tub 100x50x3mm	No Message	B.2.4-4b(T)	0.018	0
CB	C663	879	Column	Tub 100x50x3mm	No Message	B.2.4-5b(C)	0.009	0.0001041
CB	C663	879	Column	Tub 100x50x3mm	No Message	B.2.4-5b(T)	0	0
CB	C664	880	Column	Tub 100x50x3mm	No Message	B.2.4-4b(C)	0.001	0
CB	C664	880	Column	Tub 100x50x3mm	No Message	B.2.4-4b(T)	0.008	0
CB	C665	942	Column	Tub 100x50x3mm	No Message	B.2.4-5b(C)	0.024	0.0001702
CB	C665	942	Column	Tub 100x50x3mm	No Message	B.2.4-5b(T)	0.013	0
CB	C666	971	Column	Tub 100x50x3mm	No Message	B.2.4-7b(C)	0.001	0
CB	C666	971	Column	Tub 100x50x3mm	No Message	B.2.4-7b(T)	0.024	0.0001653
CB	C733	1420	Column	Tub 100x50x3mm	No Message	B.2.4-3b(C)	0.045	0.0002312
CB	C733	1420	Column	Tub 100x50x3mm	No Message	B.2.4-3b(T)	0.082	0
CB	C734	1421	Column	Tub 100x50x3mm	No Message	B.2.4-4b(C)	0.134	0
CB	C734	1421	Column	Tub 100x50x3mm	No Message	B.2.4-4b(T)	0.068	0.0001224
CB	C737	1430	Column	Tub 100x50x3mm	No Message	B.2.4-3b(C)	0.089	0.0002133
CB	C737	1430	Column	Tub 100x50x3mm	No Message	B.2.4-3b(T)	0.116	0
CB	C738	1431	Column	Tub 100x50x3mm	No Message	B.2.4-4b(C)	0.205	0
CB	C738	1431	Column	Tub 100x50x3mm	No Message	B.2.4-4b(T)	0.154	0.0001145

Table: Steel Frame Design Summary - AISC 360-10, Part 1 of 2

Story	Label	UniqueName	Design Type	Design Section	Status	PMM Combo	PMM Ratio	P Ratio
Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless
CB	C739	1477	Column	Tub 100x50x3mm	No Message	B.2.4-3b(C)	0.066	0
CB	C739	1477	Column	Tub 100x50x3mm	No Message	B.2.4-3b(T)	0	0
CB	C740	1478	Column	Tub 100x50x3mm	No Message	B.2.4-4b(C)	0.006	0
CB	C740	1478	Column	Tub 100x50x3mm	No Message	B.2.4-4b(T)	0.069	0
CB	C741	1479	Column	Tub 100x50x3mm	No Message	B.2.4-3b(C)	0.051	0
CB	C741	1479	Column	Tub 100x50x3mm	No Message	B.2.4-3b(T)	0.002	0
CB	C742	1480	Column	Tub 100x50x3mm	No Message	(T)	0.051	0
CB	C743	1481	Column	Tub 100x50x3mm	No Message	B.2.4-3b(C)	0.028	0
CB	C743	1481	Column	Tub 100x50x3mm	No Message	B.2.4-3b(T)	0	0
CB	C744	1482	Column	Tub 100x50x3mm	No Message	B.2.4-4b(C)	0.007	0
CB	C744	1482	Column	Tub 100x50x3mm	No Message	B.2.4-4b(T)	0.027	0
CB	C745	1483	Column	Tub 100x50x3mm	No Message	B.2.4-3b(C)	0.039	0
CB	C745	1483	Column	Tub 100x50x3mm	No Message	B.2.4-3b(T)	0.006	0
CB	C746	1484	Column	Tub 100x50x3mm	No Message	B.2.4-5b(C)	0.001	0
CB	C746	1484	Column	Tub 100x50x3mm	No Message	B.2.4-5b(T)	0.039	0
CB	C747	1485	Column	Tub 100x50x3mm	No Message	B.2.4-3b(C)	0.058	0
CB	C747	1485	Column	Tub 100x50x3mm	No Message	B.2.4-3b(T)	0.001	0
CB	C748	1486	Column	Tub 100x50x3mm	No Message	B.2.4-4b(C)	0.001	0
CB	C748	1486	Column	Tub 100x50x3mm	No Message	B.2.4-4b(T)	0.058	0
CB	C749	1487	Column	Tub 100x50x3mm	No Message	B.2.4-3b(C)	0.067	0
CB	C749	1487	Column	Tub 100x50x3mm	No Message	B.2.4-3b(T)	0.032	0
CB	C750	1488	Column	Tub 100x50x3mm	No Message	B.2.4-5b(C)	0.001	0
CB	C750	1488	Column	Tub 100x50x3mm	No Message	B.2.4-5b(T)	0.067	0
CB	C753	1505	Column	Tub 100x50x3mm	No Message	B.2.4-6b(C)	0.023	0.001
CB	C753	1505	Column	Tub 100x50x3mm	No Message	B.2.4-6b(T)	0.059	0.001
CB	C754	1506	Column	Tub 100x50x3mm	No Message	B.2.4-3b(C)	0.055	0.002
CB	C754	1506	Column	Tub 100x50x3mm	No Message	B.2.4-3b(T)	0.024	0.0002006
CB	C755	135	Column	Tub 100x50x3mm	No Message	B.2.4-3b(C)	0.064	0
CB	C755	135	Column	Tub 100x50x3mm	No Message	B.2.4-3b(T)	0.007	0

Table: Steel Frame Design Summary - AISC 360-10, Part 1 of 2

Story	Label	UniqueName	Design Type	Design Section	Status	PMM Combo	PMM Ratio	P Ratio
Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless
CB	C756	136	Column	Tub 100x50x3mm	No Message	B.2.4-6b(C)	0	0
CB	C756	136	Column	Tub 100x50x3mm	No Message	B.2.4-6b(T)	0.067	0
CB	C757	167	Column	Tub 100x50x3mm	No Message	B.2.4-3b(C)	0.056	0
CB	C757	167	Column	Tub 100x50x3mm	No Message	B.2.4-3b(T)	0	0
CB	C758	168	Column	Tub 100x50x3mm	No Message	B.2.4-4b(C)	0.001	0
CB	C758	168	Column	Tub 100x50x3mm	No Message	B.2.4-4b(T)	0.056	0
CB	C759	212	Column	Tub 100x50x3mm	No Message	B.2.4-3b(C)	0.038	0
CB	C759	212	Column	Tub 100x50x3mm	No Message	B.2.4-3b(T)	0.001	0
CB	C760	255	Column	Tub 100x50x3mm	No Message	B.2.4-6b(C)	0	0
CB	C760	255	Column	Tub 100x50x3mm	No Message	B.2.4-6b(T)	0.038	0
CB	C761	389	Column	Tub 100x50x3mm	No Message	B.2.4-3b(C)	0.021	0
CB	C761	389	Column	Tub 100x50x3mm	No Message	B.2.4-3b(T)	0	0
CB	C762	390	Column	Tub 100x50x3mm	No Message	B.2.4-4b(C)	0.008	0
CB	C762	390	Column	Tub 100x50x3mm	No Message	B.2.4-4b(T)	0.021	0
CB	C763	391	Column	Tub 100x50x3mm	No Message	B.2.4-3b(C)	0.037	0
CB	C763	391	Column	Tub 100x50x3mm	No Message	B.2.4-3b(T)	0.008	0
CB	C764	392	Column	Tub 100x50x3mm	No Message	B.2.4-6b(C)	0	0
CB	C764	392	Column	Tub 100x50x3mm	No Message	B.2.4-6b(T)	0.036	0
CB	C765	726	Column	Tub 100x50x3mm	No Message	B.2.4-3b(C)	0.054	0
CB	C765	726	Column	Tub 100x50x3mm	No Message	B.2.4-3b(T)	0	0
CB	C766	733	Column	Tub 100x50x3mm	No Message	B.2.4-4b(C)	0.001	0
CB	C766	733	Column	Tub 100x50x3mm	No Message	B.2.4-4b(T)	0.054	0
CB	C767	778	Column	Tub 100x50x3mm	No Message	B.2.4-3b(C)	0.072	0
CB	C767	778	Column	Tub 100x50x3mm	No Message	B.2.4-3b(T)	0.001	0
CB	C768	782	Column	Tub 100x50x3mm	No Message	B.2.4-4b(C)	0.001	0
CB	C768	782	Column	Tub 100x50x3mm	No Message	B.2.4-4b(T)	0.072	0
CB	C769	794	Column	Tub 100x50x3mm	No Message	B.2.4-3b(C)	0.079	0
CB	C769	794	Column	Tub 100x50x3mm	No Message	B.2.4-3b(T)	0.006	0
CB	C770	798	Column	Tub 100x50x3mm	No Message	B.2.4-5b(C)	0.001	0

Table: Steel Frame Design Summary - AISC 360-10, Part 1 of 2

Story	Label	UniqueName	Design Type	Design Section	Status	PMM Combo	PMM Ratio	P Ratio
Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless
CB	C770	798	Column	Tub 100x50x3mm	No Message	B.2.4-5b(T)	0.08	0
CB	C781	384	Column	Tub 100x200x4mm	No Message	B.2.4-3b(C)	0.176	0.037
CB	C781	384	Column	Tub 100x200x4mm	No Message	B.2.4-3b(T)	0.071	0.009
CB	C782	388	Column	Tub 100x200x4mm	No Message	B.2.4-3b(C)	0.183	0.04
CB	C782	388	Column	Tub 100x200x4mm	No Message	B.2.4-3b(T)	0.035	0.01
CB	C783	396	Column	Tub 100x200x4mm	No Message	B.2.4-3b(C)	0.271	0.041
CB	C783	396	Column	Tub 100x200x4mm	No Message	B.2.4-3b(T)	0.04	0.01
CB	C784	400	Column	Tub 100x200x4mm	No Message	B.2.4-3b(C)	0.202	0.047
CB	C784	400	Column	Tub 100x200x4mm	No Message	B.2.4-3b(T)	0.039	0.011
CB	C785	408	Column	Tub 100x200x4mm	No Message	B.2.4-3b(C)	0.267	0.022
CB	C785	408	Column	Tub 100x200x4mm	No Message	B.2.4-3b(T)	0.081	0.005
CB	C786	1416	Column	Tub 100x200x4mm	No Message	B.2.4-3b(C)	0.189	0.021
CB	C786	1416	Column	Tub 100x200x4mm	No Message	B.2.4-3b(T)	0.061	0.005
CB	C787	1419	Column	Tub 100x200x4mm	No Message	B.2.4-5b(C)	0.116	0.014
CB	C787	1419	Column	Tub 100x200x4mm	No Message	B.2.4-5b(T)	0.021	0.012
CB	C788	1426	Column	Tub 100x200x4mm	No Message	B.2.4-3b(C)	0.196	0.019
CB	C788	1426	Column	Tub 100x200x4mm	No Message	B.2.4-3b(T)	0.061	0.004
CB	C789	1429	Column	Tub 100x200x4mm	No Message	B.2.4-3b(C)	0.193	0.042
CB	C789	1429	Column	Tub 100x200x4mm	No Message	B.2.4-3b(T)	0.03	0.011
CB	C790	1501	Column	Tub 100x200x4mm	No Message	B.2.4-5b(C)	0.08	0.0004247

Table: Steel Frame Design Summary - AISC 360-10, Part 1 of 2

Story	Label	UniqueName	Design Type	Design Section	Status	PMM Combo	PMM Ratio	P Ratio
Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless
CB	C790	1501	Column	Tub 100x200x4mm	No Message	B.2.4-5b(T)	0.043	0.0001009
CB	C791	1504	Column	Tub 100x200x4mm	No Message	B.2.4-3b(C)	0.117	0.002
CB	C791	1504	Column	Tub 100x200x4mm	No Message	B.2.4-3b(T)	0.014	0.0002297
CB	B376	382	Beam	Tub 100x200x4mm	No Message	B.2.4-3b(C)	0.214	0.012
CB	B376	382	Beam	Tub 100x200x4mm	No Message	B.2.4-3b(T)	0.065	0.001
CB	B377	383	Beam	Tub 100x200x4mm	No Message	B.2.4-3b(C)	0.36	0.006
CB	B377	383	Beam	Tub 100x200x4mm	No Message	B.2.4-3b(T)	0.109	0.001
CB	B378	386	Beam	Tub 100x200x4mm	No Message	B.2.4-3b(C)	0.249	0.013
CB	B378	386	Beam	Tub 100x200x4mm	No Message	B.2.4-3b(T)	0.077	0.002
CB	B379	387	Beam	Tub 100x200x4mm	No Message	B.2.4-3b(C)	0.432	0.003
CB	B379	387	Beam	Tub 100x200x4mm	No Message	B.2.4-3b(T)	0.127	0.001
CB	B380	394	Beam	Tub 100x200x4mm	No Message	B.2.4-3b(C)	0.271	0.013
CB	B380	394	Beam	Tub 100x200x4mm	No Message	B.2.4-3b(T)	0.074	0.002
CB	B381	395	Beam	Tub 100x200x4mm	No Message	B.2.4-3b(C)	0.494	0.003
CB	B381	395	Beam	Tub 100x200x4mm	No Message	B.2.4-3b(T)	0.121	0.001
CB	B382	398	Beam	Tub 100x200x4mm	No Message	B.2.4-3b(C)	0.289	0.014
CB	B382	398	Beam	Tub 100x200x4mm	No Message	B.2.4-3b(T)	0.081	0.002
CB	B386	399	Beam	Tub 100x200x4mm	No Message	B.2.4-3b(C)	0.51	0.004
CB	B386	399	Beam	Tub 100x200x4mm	No Message	B.2.4-3b(T)	0.13	0.001
CB	B387	404	Beam	Tub 100x200x4mm	No Message	B.2.4-3b(C)	0.158	0.008

Table: Steel Frame Design Summary - AISC 360-10, Part 1 of 2

Story	Label	UniqueName	Design Type	Design Section	Status	PMM Combo	PMM Ratio	P Ratio
Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless
CB	B387	404	Beam	Tub 100x200x4mm	No Message	B.2.4-3b(T)	0.04	0.001
CB	B388	406	Beam	Tub 100x200x4mm	No Message	B.2.4-3b(C)	0.326	0.002
CB	B388	406	Beam	Tub 100x200x4mm	No Message	B.2.4-3b(T)	0.074	0.0002067
CB	B452	717	Beam	Tub 100x50x3mm	No Message	B.2.4-4b(C)	0.155	0.029
CB	B452	717	Beam	Tub 100x50x3mm	No Message	B.2.4-4b(T)	0.034	0.001
CB	B453	722	Beam	Tub 100x50x3mm	No Message	B.2.4-5b(C)	0.04	0.002
CB	B453	722	Beam	Tub 100x50x3mm	No Message	B.2.4-5b(T)	0.132	0.004
CB	B459	553	Beam	Tub 100x50x3mm	No Message	B.2.4-4b(C)	0.092	0.003
CB	B459	553	Beam	Tub 100x50x3mm	No Message	B.2.4-4b(T)	0.019	0.001
CB	B460	554	Beam	Tub 100x50x3mm	No Message	B.2.4-5b(C)	0.033	0.002
CB	B460	554	Beam	Tub 100x50x3mm	No Message	B.2.4-5b(T)	0.091	0.001
CB	B461	1417	Beam	Tub 100x200x4mm	No Message	B.2.4-3b(C)	0.274	0.007
CB	B461	1417	Beam	Tub 100x200x4mm	No Message	B.2.4-3b(T)	0.087	0.001
CB	B462	1418	Beam	Tub 100x200x4mm	No Message	B.2.4-3b(C)	0.467	0.004
CB	B462	1418	Beam	Tub 100x200x4mm	No Message	B.2.4-3b(T)	0.138	0
CB	B463	1422	Beam	Tub 100x50x3mm	No Message	B.2.4-4b(C)	0.176	0.021
CB	B463	1422	Beam	Tub 100x50x3mm	No Message	B.2.4-4b(T)	0.024	0.002
CB	B464	1423	Beam	Tub 100x50x3mm	No Message	B.2.4-4b(C)	0.171	0.017
CB	B464	1423	Beam	Tub 100x50x3mm	No Message	B.2.4-4b(T)	0.024	0.002
CB	B465	1424	Beam	Tub 100x50x3mm	No Message	B.2.4-6b(C)	0.029	0.007
CB	B465	1424	Beam	Tub 100x50x3mm	No Message	B.2.4-6b(T)	0.154	0.006
CB	B466	1425	Beam	Tub 100x50x3mm	No Message	B.2.4-6b(C)	0.029	0.007
CB	B466	1425	Beam	Tub 100x50x3mm	No Message	B.2.4-6b(T)	0.158	0.004
CB	B467	1427	Beam	Tub 100x200x4mm	No Message	B.2.4-3b(C)	0.253	0.007
CB	B467	1427	Beam	Tub 100x200x4mm	No Message	B.2.4-3b(T)	0.081	0.001

Table: Steel Frame Design Summary - AISC 360-10, Part 1 of 2

Story	Label	UniqueName	Design Type	Design Section	Status	PMM Combo	PMM Ratio	P Ratio
Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless
CB	B468	1428	Beam	Tub 100x200x4mm	No Message	B.2.4-3b(C)	0.439	0.003
CB	B468	1428	Beam	Tub 100x200x4mm	No Message	B.2.4-3b(T)	0.132	0.000133
CB	B469	1432	Beam	Tub 100x50x3mm	No Message	B.2.4-4b(C)	0.144	0.029
CB	B469	1432	Beam	Tub 100x50x3mm	No Message	B.2.4-4b(T)	0.026	0.002
CB	B471	1433	Beam	Tub 100x50x3mm	No Message	B.2.4-4b(C)	0.151	0.013
CB	B471	1433	Beam	Tub 100x50x3mm	No Message	B.2.4-4b(T)	0.023	0.002
CB	B472	1434	Beam	Tub 100x50x3mm	No Message	B.2.4-6b(C)	0.03	0.006
CB	B472	1434	Beam	Tub 100x50x3mm	No Message	B.2.4-6b(T)	0.128	0.009
CB	B473	1435	Beam	Tub 100x50x3mm	No Message	B.2.4-6b(C)	0.025	0.004
CB	B473	1435	Beam	Tub 100x50x3mm	No Message	B.2.4-6b(T)	0.139	0.005
CB	B518	1502	Beam	Tub 100x200x4mm	No Message	B.2.4-5b(C)	0.038	0.004
CB	B519	1503	Beam	Tub 100x200x4mm	No Message	B.2.4-5b(C)	0.079	0.001
CB	B519	1503	Beam	Tub 100x200x4mm	No Message	B.2.4-5b(T)	0.023	0

Table: Steel Frame Design Summary - AISC 360-10, Part 2 of 2

Table: Steel Frame Design Summary - AISC 360-10, Part 2 of 2

UniqueName	M Major Ratio	M Minor Ratio	V Major Combo	V Major Ratio	V Minor Combo	V Minor Ratio
Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless
402	0.076	0.103	B.2.4-3b	0.02	B.2.4-3b	0.043
402	0.021	0.031				
397	0.155	0.022	B.2.4-3b	0.038	B.2.4-5b	0.011
397	0.047	0.008				
393	0.139	0.067	B.2.4-3b	0.034	B.2.4-3b	0.038
393	0.042	0.015				
385	0.139	0.054	B.2.4-3b	0.036	B.2.4-3b	0.022
385	0.045	0.022				
381	0.124	0.065	B.2.4-3b	0.034	B.2.4-3b	0.024
381	0.037	0.026				
594	0.02	0.07	B.2.4-4b	0.018	B.2.4-3b	0.049
594	0.053	0.056				
595	0.122	0.14	B.2.4-4b	0.021	B.2.4-3b	0.053
595	0.071	0.167				
662	0.062	0.058	B.2.4-4b	0.02	B.2.4-3b	0.035
666	0.113	0.115	B.2.4-4b	0.02	B.2.4-3b	0.036
734	0.059	0.056	B.2.4-4b	0.019	B.2.4-3b	0.042
735	0.112	0.126	B.2.4-4b	0.02	B.2.4-3b	0.043

Table: Steel Frame Design Summary - AISC 360-10, Part 2 of 2

UniqueName	M Major Ratio	M Minor Ratio	V Major Combo	V Major Ratio	V Minor Combo	V Minor Ratio
Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless
228	0.061	0.023	B.2.4-4b	0.021	B.2.4-3b	0.012
337	0.126	0.047	B.2.4-4b	0.023	B.2.4-3b	0.014
411	0.021	0.163	B.2.4-4b	0.01	B.2.4-3b	0.084
443	0.026	0.318	B.2.4-4b	0.01	B.2.4-3b	0.086
830	0.005	0.014	B.2.4-5b	0.0001015	B.2.4-3b	0.003
830	0.0001309	0.001				
831	0.006	0.0001332	B.2.4-3b	0	B.2.4-3b	0.003
831	0.006	0.014				
832	0.006	0.008	B.2.4-5b	0	B.2.4-5b	0.002
835	0.006	0	B.2.4-5b	0	B.2.4-5b	0.002
835	0.006	0.008				
838	0.006	0.026	B.2.4-5b	0	B.2.4-1	0.007
838	0.006	0				
841	0	0.001	B.2.4-5b	0	B.2.4-1	0.007
841	0.007	0.026				
854	0.0002548	0.017	B.2.4-5b	0	B.2.4-5b	0.004
854	0.0004639	0				
870	0.001	0	B.2.4-5b	0	B.2.4-3b	0.004
870	0.001	0.017				
879	0.0003547	0.008	B.2.4-3b	0.0001075	B.2.4-5b	0.002
879	0	0				
880	0.001	0	B.2.4-3b	0.0001076	B.2.4-5b	0.002
880	0.0003179	0.008				
942	0.002	0.023	B.2.4-3b	0.0004303	B.2.4-5b	0.005
942	0.005	0.007				
971	0.0002449	0.001	B.2.4-3b	0.0004304	B.2.4-1	0.005
971	0.001	0.023				
1420	0.041	0.004	B.2.4-4b	0.025	B.2.4-5b	0.005
1420	0.078	0.003				
1421	0.131	0.003	B.2.4-4b	0.024	B.2.4-5b	0.004
1421	0.063	0.005				
1430	0.037	0.052	B.2.4-4b	0.023	B.2.4-3b	0.022
1430	0.073	0.043				
1431	0.127	0.078	B.2.4-4b	0.023	B.2.4-3b	0.022
1431	0.063	0.091				
1477	0.002	0.064	B.2.4-3b	0.0002105	B.2.4-3b	0.014
1477	0	0				
1478	0.006	0.0001268	B.2.4-3b	0.0002105	B.2.4-3b	0.014
1478	0.004	0.064				
1479	0.001	0.05	B.2.4-5b	0	B.2.4-3b	0.011
1479	0.002	0				
1480	0.001	0.05	B.2.4-5b	0	B.2.4-3b	0.011
1481	0.003	0.024	B.2.4-5b	0	B.2.4-3b	0.005
1481	0	0				
1482	0.007	0	B.2.4-5b	0	B.2.4-3b	0.005
1482	0.003	0.024				
1483	0.003	0.035	B.2.4-5b	0	B.2.4-3b	0.008
1483	0.006	0				
1484	0	0.001	B.2.4-5b	0	B.2.4-3b	0.008
1484	0.003	0.036				
1485	0.001	0.058	B.2.4-5b	0	B.2.4-3b	0.013
1485	0.0002501	0.0003377				
1486	0.001	0	B.2.4-5b	0	B.2.4-3b	0.013

Table: Steel Frame Design Summary - AISC 360-10, Part 2 of 2

UniqueName	M Major Ratio	M Minor Ratio	V Major Combo	V Major Ratio	V Minor Combo	V Minor Ratio
Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless
1486	0.0004719	0.058				
1487	0.002	0.065	B.2.4-5b	0	B.2.4-3b	0.014
1487	0.003	0.029				
1488	0.000163	0.001	B.2.4-5b	0	B.2.4-3b	0.014
1488	0.001	0.066				
1505	0.002	0.02	B.2.4-5b	0.002	B.2.4-3b	0.015
1505	0.012	0.046				
1506	0.008	0.045	B.2.4-3b	0.002	B.2.4-3b	0.017
1506	0.003	0.02				
135	0.002	0.062	B.2.4-3b	0.0002099	B.2.4-3b	0.014
135	0.007	0.0001295				
136	0	0	B.2.4-3b	0.0002099	B.2.4-3b	0.014
136	0.005	0.062				
167	0.0002128	0.056	B.2.4-5b	0	B.2.4-3b	0.012
167	0	0				
168	0.001	0	B.2.4-5b	0	B.2.4-3b	0.012
168	0.001	0.056				
212	0.001	0.037	B.2.4-5b	0	B.2.4-3b	0.008
212	0.001	0				
255	0	0	B.2.4-5b	0	B.2.4-3b	0.008
255	0.0004388	0.037				
389	0.004	0.017	B.2.4-5b	0.0001251	B.2.4-6b	0.005
389	0	0				
390	0.008	0	B.2.4-5b	0.0001213	B.2.4-6b	0.005
390	0.000107	0.021				
391	0.004	0.033	B.2.4-5b	0.0001255	B.2.4-3b	0.007
391	0.008	0				
392	0	0	B.2.4-5b	0.0001209	B.2.4-3b	0.007
392	0.003	0.033				
726	0.001	0.053	B.2.4-5b	0	B.2.4-3b	0.012
726	0	0				
733	0.001	0	B.2.4-5b	0	B.2.4-3b	0.012
733	0.0003896	0.053				
778	0.0003706	0.071	B.2.4-5b	0	B.2.4-3b	0.016
778	0.0002496	0.0003811				
782	0.001	0	B.2.4-5b	0	B.2.4-3b	0.016
782	0.001	0.071				
794	0.003	0.076	B.2.4-5b	0.0001007	B.2.4-3b	0.017
794	0.006	0.0001221				
798	0.000119	0.001	B.2.4-5b	0	B.2.4-3b	0.017
798	0.004	0.076				
384	0.004	0.135	B.2.4-3b	0.028	B.2.4-3b	0.063
384	0.011	0.051				
388	0.113	0.03	B.2.4-3b	0.03	B.2.4-3b	0.084
388	0.0004406	0.024				
396	0.126	0.103	B.2.4-5b	0.03	B.2.4-3b	0.136
396	0.006	0.024				
400	0.142	0.013	B.2.4-5b	0.037	B.2.4-5b	0.024
400	0.021	0.007				
408	0.073	0.172	B.2.4-5b	0.019	B.2.4-3b	0.168
408	0.011	0.066				
1416	0.166	0.002	B.2.4-4b	0.015	B.2.4-5b	0.019
1416	0.054	0.002				

Table: Steel Frame Design Summary - AISC 360-10, Part 2 of 2

UniqueName	M Major Ratio	M Minor Ratio	V Major Combo	V Major Ratio	V Minor Combo	V Minor Ratio
Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless
1419	0.042	0.059	B.2.4-5b	0.017	B.2.4-5b	0.041
1419	0.005	0.004				
1426	0.153	0.024	B.2.4-4b	0.015	B.2.4-5b	0.02
1426	0.048	0.008				
1429	0.047	0.103	B.2.4-5b	0.015	B.2.4-3b	0.115
1429	0.004	0.014				
1501	0.038	0.041	B.2.4-5b	0.009	B.2.4-5b	0.014
1501	0.03	0.013				
1504	0.054	0.061	B.2.4-5b	0.018	B.2.4-3b	0.041
1504	0.007	0.007				
382	0.194	0.008	B.2.4-3b	0.06	B.2.4-5b	0.009
382	0.059	0.004				
383	0.329	0.025	B.2.4-3b	0.069	B.2.4-5b	0.013
383	0.096	0.013				
386	0.234	0.002	B.2.4-3b	0.065	B.2.4-5b	0.01
386	0.073	0.002				
387	0.42	0.009	B.2.4-3b	0.075	B.2.4-5b	0.016
387	0.118	0.009				
394	0.242	0.016	B.2.4-3b	0.067	B.2.4-5b	0.017
394	0.07	0.002				
395	0.448	0.043	B.2.4-3b	0.076	B.2.4-5b	0.024
395	0.113	0.007				
398	0.273	0.001	B.2.4-3b	0.075	B.2.4-5b	0.011
398	0.078	0.001				
399	0.504	0.002	B.2.4-3b	0.085	B.2.4-5b	0.015
399	0.126	0.003				
404	0.121	0.03	B.2.4-3b	0.033	B.2.4-3b	0.024
404	0.032	0.007				
406	0.247	0.077	B.2.4-3b	0.039	B.2.4-3b	0.035
406	0.058	0.016				
717	0.104	0.022	B.2.4-4b	0.012	B.2.4-3b	0.009
717	0.002	0.031				
722	0.016	0.023	B.2.4-4b	0.012	B.2.4-3b	0.008
722	0.095	0.033				
553	0.073	0.016	B.2.4-4b	0.008	B.2.4-1	0.004
553	0.001	0.017				
554	0.01	0.02	B.2.4-4b	0.009	B.2.4-3b	0.004
554	0.071	0.019				
1417	0.263	0.004	B.2.4-3b	0.076	B.2.4-5b	0.013
1417	0.085	0.0004425				
1418	0.453	0.011	B.2.4-3b	0.08	B.2.4-5b	0.021
1418	0.137	0.001				
1422	0.102	0.053	B.2.4-4b	0.012	B.2.4-3b	0.011
1422	0.001	0.021				
1423	0.092	0.062	B.2.4-4b	0.012	B.2.4-3b	0.013
1423	0.001	0.02				
1424	0.0003096	0.022	B.2.4-4b	0.013	B.2.4-3b	0.011
1424	0.095	0.053				
1425	0.0003712	0.021	B.2.4-4b	0.013	B.2.4-3b	0.013
1425	0.091	0.062				
1427	0.242	0.004	B.2.4-3b	0.071	B.2.4-5b	0.014
1427	0.079	0.001				
1428	0.419	0.016	B.2.4-3b	0.075	B.2.4-5b	0.019

Table: Steel Frame Design Summary - AISC 360-10, Part 2 of 2

UniqueName	M Major Ratio	M Minor Ratio	V Major Combo	V Major Ratio	V Minor Combo	V Minor Ratio
Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless
1428	0.127	0.005				
1432	0.112	0.004	B.2.4-4b	0.013	B.2.4-3b	0.011
1432	0.002	0.022				
1433	0.093	0.045	B.2.4-4b	0.01	B.2.4-3b	0.01
1433	0.001	0.02				
1434	0.001	0.023	B.2.4-4b	0.013	B.2.4-3b	0.011
1434	0.115	0.004				
1435	0.0001389	0.021	B.2.4-4b	0.011	B.2.4-3b	0.01
1435	0.085	0.05				
1502	0.012	0.023	B.2.4-3b	0.005	B.2.4-5b	0.01
1503	0.03	0.048	B.2.4-3b	0.008	B.2.4-5b	0.014
1503	0.016	0.007				

Datos del proyecto

Nombre del proyecto	CES
Número del Proyecto	
Autor	
Descripción	
Fecha	22/10/2021
Código	AISC/ACI

Material

Acero	A572 Gr.50, A500, Gr. C, shaped, A36
Hormigón	4000 psi, 3000 psi

Ítem del proyecto ANCLAJES

Diseño

Nombre	ANCLAJES
Descripción	
Análisis	Tensión, deformación/ Cargas en equilibrio
Normativa de cálculo	AISC - LRFD (2016)

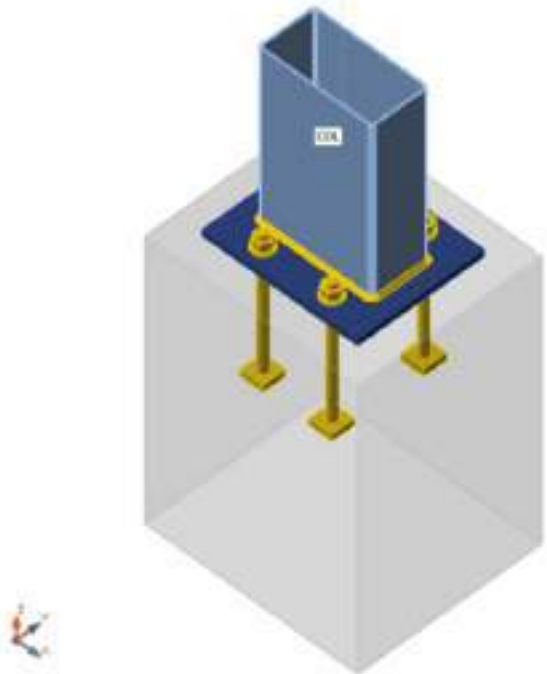
Elementos

Geometría

Nombre	Sección transversal	β – Dirección [°]	γ - Inclinación [°]	α - Rotación [°]	Desplazamiento ex [mm]	Desplazamiento ey [mm]	Desplazamiento ez [mm]
COL	36 - TUB 100x200x4mm(RHS200x100)	0.0	90.0	0.0	0	0	0

Apoyos y fuerzas

Nombre	Apoyo	Fuerzas en	X [mm]
COL / final		Nodo	0



Secciones

Nombre	Material
36 - TUB 100x200x4mm(RHS200x100)	A572 Gr.50

Anclajes

Nombre	Conjunto de tornillo	Diámetro [mm]	f_u [MPa]	Área bruta [mm²]
5/8 ASTM 193 Gr. B7	5/8 ASTM 193 Gr. B7	16	861.8	198

Cargas (Fuerzas en equilibrio)

Nombre	Elemento	N [kN]	Vy [kN]	Vz [kN]	Mx [kNm]	My [kNm]	Mz [kNm]
LE1	COL / Finalizar	-29.0	19.0	0.0	0.0	8.3	1.7

Fuerzas Desbalanceadas

Nombre	X [kN]	Y [kN]	Z [kN]	Mx [kNm]	My [kNm]	Mz [kNm]
LE1	0.0	19.0	-29.0	-1.7	8.3	0.0

Bloque de la cimentación

Ítem	Valor	Unidad
CB 1		
Dimensiones	320 x 370	mm
Profundidad	500	mm
Anclaje	5/8 ASTM 193 Gr. B7	
Longitud del anclaje	200	mm
Transferencia de la fuerza cortante	Anclajes	

Verificación

Resumen

Nombre	Valor	Estado de la verificación
Análisis	100.0%	OK
Placas	0.0 < 5.0%	OK
Anclajes	27.5 < 100%	OK
Soldaduras	75.6 < 100%	OK
Bloque de hormigón	16.8 < 100%	OK
Pandeo	No calculado	

Placas

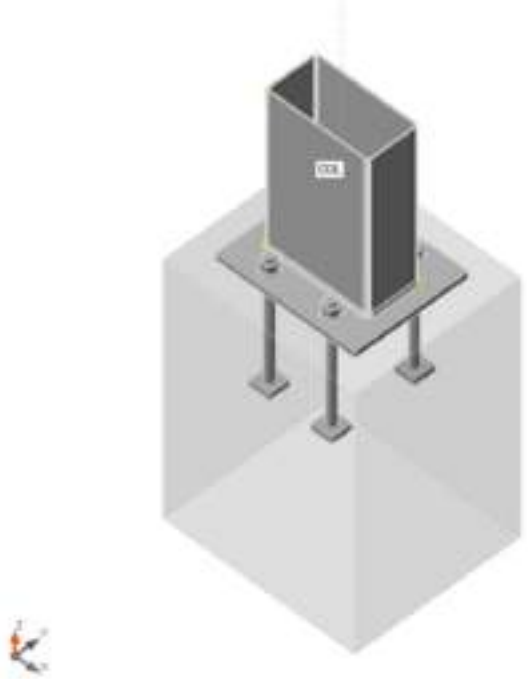
Nombre	t_p [mm]	Cargas	σ_{Ed} [MPa]	ε_{Pl} [%]	$\sigma_{c,Ed}$ [MPa]	Estado
COL-w 1	4.0	LE1	146.7	0.0	0.0	OK
COL-arc 1	4.0	LE1	277.4	0.0	0.0	OK
COL-arc 2	4.0	LE1	253.3	0.0	0.0	OK
COL-arc 3	4.0	LE1	243.8	0.0	0.0	OK
COL-w 2	4.0	LE1	127.3	0.0	0.0	OK
COL-arc 4	4.0	LE1	115.4	0.0	0.0	OK
COL-arc 5	4.0	LE1	118.6	0.0	0.0	OK
COL-arc 6	4.0	LE1	125.6	0.0	0.0	OK
COL-w 3	4.0	LE1	127.9	0.0	0.0	OK
COL-arc 7	4.0	LE1	254.0	0.0	0.0	OK
COL-arc 8	4.0	LE1	250.2	0.0	0.0	OK
COL-arc 9	4.0	LE1	235.1	0.0	0.0	OK
COL-w 4	4.0	LE1	166.1	0.0	0.0	OK
COL-arc 10	4.0	LE1	168.8	0.0	0.0	OK
COL-arc 11	4.0	LE1	172.5	0.0	0.0	OK
COL-arc 12	4.0	LE1	162.9	0.0	0.0	OK
BP1	12.0	LE1	154.5	0.0	0.0	OK

Datos de diseño

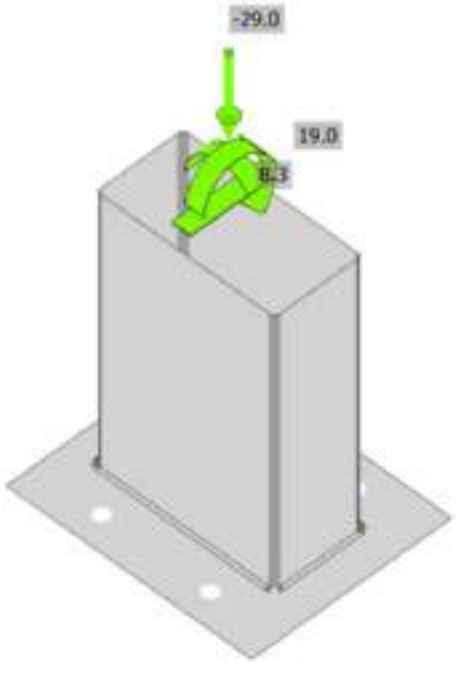
Material	F_y [MPa]	ε_{lim} [%]
A572 Gr.50	344.7	5.0

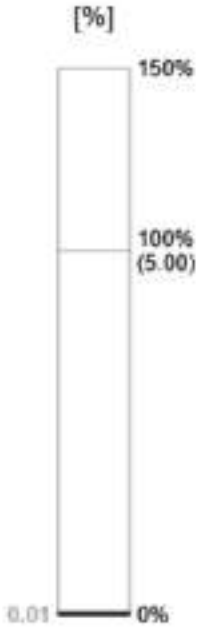
Explicación del simbolo

t_p	Espesor de placa
σ_{Ed}	Tensión equivalente
ε_{Pl}	Deformación plástica
$\sigma_{c,Ed}$	Tensiones de Contacto
F_y	Límite elástico
ε_{lim}	Límite de la deformación plástica

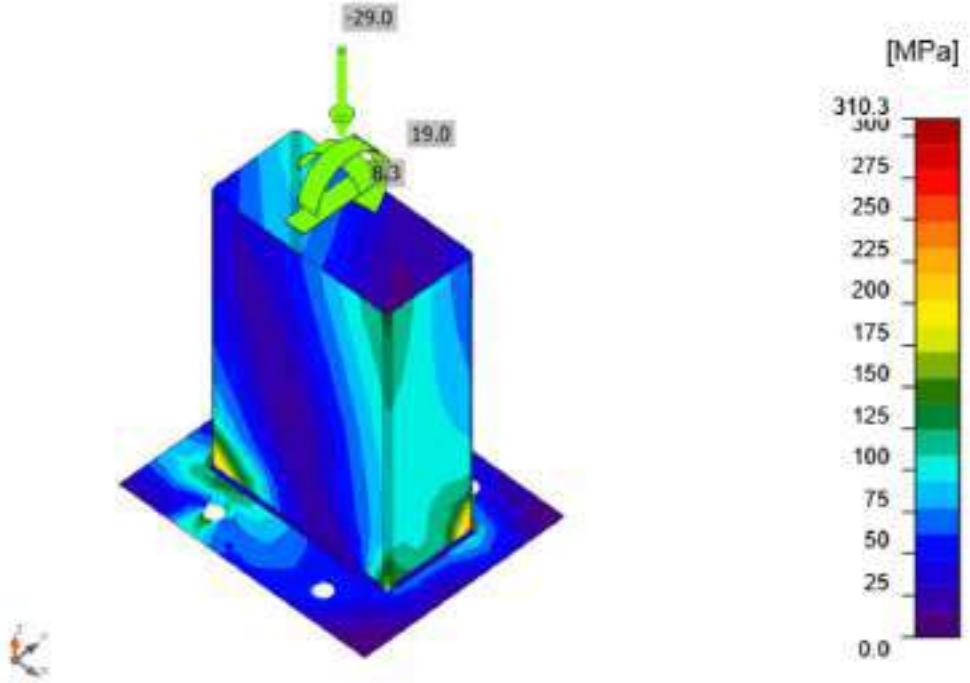


Verificación general, LE1



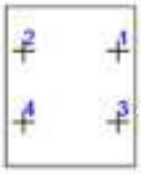


Verificación de deformación, LE1



Tensión equivalente, LE1

Anclajes

Forma	Ítem	Cargas	N_f [kN]	V [kN]	ϕN_p [kN]	ϕN_{sb} [kN]	Ut_t [%]	Ut_s [%]	Ut_{ts} [%]	Estado
	A1	LE1	15.1	4.6	162.4	81.2	17.2	9.4	7.3	OK
	A2	LE1	24.1	4.9	162.4	81.2	27.5	10.0	13.8	OK
	A3	LE1	0.0	4.8	162.4	-	0.0	9.8	2.1	OK
	A4	LE1	0.0	4.7	162.4	-	0.0	9.6	2.0	OK

Datos de diseño

Calidad	ϕN_{sa} [kN]	ϕV_{sa} [kN]
5/8 ASTM 193 Gr. B7 - 1	87.8	48.9

Explicación del símbolo

N_f	Fuerza de tracción
V	Resultante de fuerzas cortantes en pernos Vy y Vz en planos de cortantes
ϕN_p	Resistencia al deslizamiento – ACI 318-14 – 17.4.3
ϕN_{sb}	Resistencia al arrancamiento lateral del cono de hormigón a tracción de acuerdo con – ACI 318-14 – 17.4.4
Ut_t	Utilización a tracción
Ut_s	Utilización a cortante
Ut_{ts}	Utilización a tensión y cortante
ϕN_{sa}	Resistencia del anclaje en tracción - ACI 318-14 – 17.4.1
ϕV_{sa}	Resistencia del anclaje a cortante - ACI 318-14 – 17.5.1

Soldaduras

Ítem	Borde	Xu	t_w [mm]	w [mm]	L [mm]	L_c [mm]	Cargas	F_n [kN]	ϕR_n [kN]	Ut [%]	Estado
BP1	COL-w 1	E70xx	◢ 4.2 ◣	◢ 6.0 ◣	86	17	LE1	3.1	23.5	13.3	OK
		E70xx	◢ 4.2 ◣	◢ 6.0 ◣	86	17	LE1	4.7	22.7	20.8	OK
BP1	COL-arc 1	E70xx	◢ 4.2 ◣	◢ 6.0 ◣	3	3	LE1	2.6	3.4	75.2	OK
		E70xx	◢ 4.2 ◣	◢ 6.0 ◣	3	3	LE1	2.6	3.4	75.4	OK
BP1	COL-arc 2	E70xx	◢ 4.2 ◣	◢ 6.0 ◣	3	3	LE1	2.7	3.6	74.4	OK
		E70xx	◢ 4.2 ◣	◢ 6.0 ◣	3	3	LE1	2.7	3.6	75.3	OK
BP1	COL-arc 3	E70xx	◢ 4.2 ◣	◢ 6.0 ◣	3	3	LE1	2.7	3.6	75.1	OK
		E70xx	◢ 4.2 ◣	◢ 6.0 ◣	3	3	LE1	2.7	3.6	75.2	OK
BP1	COL-w 2	E70xx	◢ 4.2 ◣	◢ 6.0 ◣	185	17	LE1	4.1	20.0	20.4	OK
		E70xx	◢ 4.2 ◣	◢ 6.0 ◣	185	17	LE1	4.3	19.4	22.1	OK
BP1	COL-arc 4	E70xx	◢ 4.2 ◣	◢ 6.0 ◣	3	3	LE1	1.1	3.6	31.1	OK
		E70xx	◢ 4.2 ◣	◢ 6.0 ◣	3	3	LE1	1.3	3.5	36.4	OK
BP1	COL-arc 5	E70xx	◢ 4.2 ◣	◢ 6.0 ◣	3	3	LE1	0.7	3.6	18.3	OK
		E70xx	◢ 4.2 ◣	◢ 6.0 ◣	3	3	LE1	1.1	3.5	30.2	OK
BP1	COL-arc 6	E70xx	◢ 4.2 ◣	◢ 6.0 ◣	3	3	LE1	1.1	2.9	38.3	OK
		E70xx	◢ 4.2 ◣	◢ 6.0 ◣	3	3	LE1	1.5	3.0	49.5	OK
BP1	COL-w 3	E70xx	◢ 4.2 ◣	◢ 6.0 ◣	86	17	LE1	3.3	23.4	14.2	OK
		E70xx	◢ 4.2 ◣	◢ 6.0 ◣	86	17	LE1	3.5	23.6	14.7	OK
BP1	COL-arc 7	E70xx	◢ 4.2 ◣	◢ 6.0 ◣	3	3	LE1	2.0	2.7	75.3	OK
		E70xx	◢ 4.2 ◣	◢ 6.0 ◣	3	3	LE1	2.1	2.8	75.6	OK
BP1	COL-arc 8	E70xx	◢ 4.2 ◣	◢ 6.0 ◣	3	3	LE1	1.4	3.4	40.5	OK
		E70xx	◢ 4.2 ◣	◢ 6.0 ◣	3	3	LE1	2.5	3.4	75.0	OK
BP1	COL-arc 9	E70xx	◢ 4.2 ◣	◢ 6.0 ◣	3	3	LE1	2.1	3.6	59.2	OK
		E70xx	◢ 4.2 ◣	◢ 6.0 ◣	3	3	LE1	2.6	3.5	73.8	OK
BP1	COL-w 4	E70xx	◢ 4.2 ◣	◢ 6.0 ◣	185	17	LE1	3.8	22.5	16.9	OK
		E70xx	◢ 4.2 ◣	◢ 6.0 ◣	185	17	LE1	5.5	23.2	23.8	OK
BP1	COL-arc 10	E70xx	◢ 4.2 ◣	◢ 6.0 ◣	3	3	LE1	1.8	3.5	50.6	OK
		E70xx	◢ 4.2 ◣	◢ 6.0 ◣	3	3	LE1	1.9	3.5	53.3	OK
BP1	COL-arc 11	E70xx	◢ 4.2 ◣	◢ 6.0 ◣	3	3	LE1	1.3	3.6	36.6	OK
		E70xx	◢ 4.2 ◣	◢ 6.0 ◣	3	3	LE1	1.7	3.5	47.4	OK
BP1	COL-arc 12	E70xx	◢ 4.2 ◣	◢ 6.0 ◣	3	3	LE1	2.0	3.5	55.9	OK
		E70xx	◢ 4.2 ◣	◢ 6.0 ◣	3	3	LE1	1.9	3.6	54.3	OK

Explicación del símbolo

t_w	Espesor de garganta de soldadura
w	Tamaño de la soldadura
L	Longitud de la soldadura
L_c	Longitud del elemento crítico de la soldadura
F_n	Fuerza en el elemento crítico de la soldadura
ϕR_n	Resistencia de la soldadura - AISC 360-16 – J2-4
Ut	Utilización
◢	Cordón de soldadura

Bloque de hormigón

Ítem	Cargas	A_1 [mm2]	A_2 [mm2]	σ [MPa]	$\phi f_{p,max}$ [MPa]	Ut [%]	Estado
CB 1	LE1	20188	65717	3.5	20.6	16.8	OK

Explicación del símbolo

A_1	Área cargada
A_2	Área de soporte
σ	Tensión media en el hormigón
$\phi f_{p,max}$	Resistencia del apoyo de hormigón
Ut	Utilización

Pandeo

El análisis de pandeo no se ha calculado.

Configuración de la norma

Ítem	Valor	Unidad	Referencia
Coeficiente de fricción - hormigón	0.40	-	ACI 349-01 – B.6.1.4
Coeficiente de fricción en la resistencia a deslizamiento	0.30	-	AISC 360-16 – J3.8
Deformación plástica límite	0.05	-	
Detallado	No		
Distancia entre tornillos [d]	2.66	-	AISC 360-16 – J3.3
Distancia entre tornillos y el borde [d]	1.25	-	AISC 360-16 – J.3.4
Resistencia al arrancamiento del cono de hormigón	Ninguno		
Resistencia del metal base en la cara de fusión de la soldadura	No		AISC 360-16 – J2-2
La deformación en el orificio del perno con la carga de servicio es una consideración de diseño	Sí		AISC 360-16 – J3.10
Hormigón fisurado	Sí		ACI 318-14 – 17
Comprobación de la deformación local	No		
Deformación límite local	0.03	-	CIDECT DG 1, 3 - 1.1
No linealidad geométrica (GMNA)	Sí		Grandes deformaciones para secciones huecas

Carga Muerta

- **Peso propio teja**

Tipo: Teja termoacústica
Peso: 5.00 Kg /m^2


Teja en panel inyectado de poliuretano

- **Peso propio correas**

Tipo: PHR C 160x60x2.5mm
Peso: 5.97 Kg /m

Separación: 1.50m
Peso: 3.98 Kg /m^2

- **Carga muerta distribuida sobre la cubierta**

Peso teja termoacústica		5.0 Kg /m^2
Correas		4.0 Kg /m^2
Cielo en panel yeso mas entramado		15.0 Kg /m^2
Instalaciones (Luminarias-Ductería de red contra incendio)		10.0 Kg /m^2
	W_{DL} =	**34.0 Kg/m^2**

Carga Viva

NSR'10 - TITULO B
De acuerdo con B.4.2 la carga viva que se debe usar para el diseño de la estructura es función del uso de la misma.

CARGA VIVA : Cubiertas (θ ≤15º): **W_{LL} =** 50 **Kg/m^2**

RESUMEN

W_{DL} =	34	1.2	41	Kg /m^2
W_{LL} =	50	1.6	80	Kg /m^2
W_{CS} =	84	**W_U =**	121	Kg /m^2

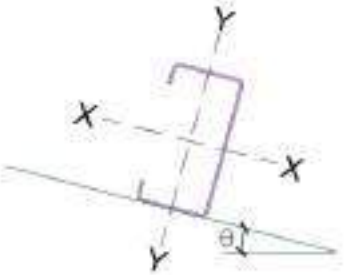
F.C. = 1.44

DISEÑO DE CORREAS

CORREA TIPO 1

Combinaciones de carga *B.2.4.2*

1. - 1.4D *B.2.4-1*
2. - 1.2D + 1.6Lr *B.2.4-2*
3. - 1.2D + 1.6Lr + 0.5W *B.2.4-3*
4. - 1.2D + 0.5Lr + 1.0W *B.2.4-4*
5. - 0.9D + 1.0W *B.2.4-6*



Cargas actuantes en las correas ")

Ángulo de la cubierta θ : #¡REF!
Separación entre correas S : #¡REF!
Longitud de correas L : 5.00m
Arriostramientos : @ L/3

W_{Dx} :	5.07 Kg/m	W_{Dy} :	50.72 Kg/m
W_{Lrx} :	7.46 Kg/m	W_{Lry} :	74.63 Kg/m
W_{wy} (-):	-130.69 Kg/m	W_{wy} (+):	90.00 Kg/m

Propiedades perlines escogidos ")		**ΦMux** Kg-m	**ΦMuy** Kg-m	**Grado**	**Peso** Kg/m
• Acesco	PHR C 160x60x2.5mm	924	254	50	5.97

Cargas actuantes en las correas

Combo	Wux Kg/m	Wuy Kg/m	Mux Kg-m	Muy Kg-m	ISE	ISE	ISE
1	7.10	71.00	221.9	2.47		0.250	
2	18.02	180.27	563.3	6.26		0.634	
3	18.02	225.27	704.0	6.26		0.786	
4	9.82	188.17	588.0	3.41		0.650	
5	4.56	-85.04	-265.8	1.58		0.294	

ISE MAX = 0.79

Carga de servicio

$$\Delta = \frac{5WL^4}{384EI} \leq L/240$$

L : 5000 mm
Apoyo : 100 mm
S : 1.50 m
Viga : PHR C 160x60x2.5mm
Peso : 5.97 kg/m

ws : 84 Kg/m²
W : 125.97 Kg/m
Ix : 2881149 mm⁴
Es : 2038000 Kg/cm²

δ : 0.016 m
δ : 1.61 cm < L/240 = 2.04 ok

Datos del proyecto

Nombre del proyecto	CES
Número del Proyecto	
Autor	
Descripción	
Fecha	22/10/2021
Código	AISC/ACI

Material

Acero	A572 Gr.50, A500, Gr. C, shaped, A36
Hormigón	4000 psi, 3000 psi

Ítem del proyecto PORTACORREA

Diseño

Nombre	PORTACORREA
Descripción	
Análisis	Tensión, deformación/ Carga simplificada
Normativa de cálculo	AISC - LRFD (2016)

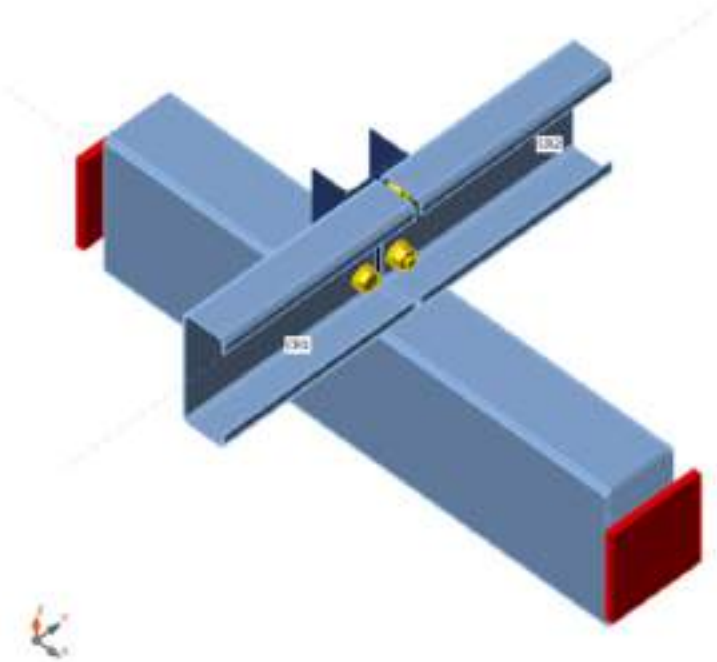
Elementos

Geometría

Nombre	Sección transversal	β – Dirección [°]	γ - Inclinación [°]	α - Rotación [°]	Desplazamiento ex [mm]	Desplazamiento ey [mm]	Desplazamiento ez [mm]
VIGA	36 - TUB 100x200x4mm(RHS200x100)	0.0	0.0	0.0	0	0	0
CR1	37 - PHR C160x60x2.5mm(CFC160x60)	-90.0	0.0	0.0	5	2	180
CR2	37 - PHR C160x60x2.5mm(CFC160x60)	90.0	0.0	0.0	5	-2	180

Apoyos y fuerzas

Nombre	Apoyo	Fuerzas en	X [mm]
VIGA / inicial	N-Vy-Vz-Mx-My-Mz	Nodo	0
VIGA / final	N-Vy-Vz-Mx-My-Mz	Nodo	0
CR1 / final		Tornillos	20
CR2 / final		Tornillos	20



Secciones

Nombre	Material
36 - TUB 100x200x4mm(RHS200x100)	A572 Gr.50
37 - PHR C160x60x2.5mm(CFC160x60)	A572 Gr.50

Tornillos

Nombre	Conjunto de tornillo	Diámetro [mm]	f_u [MPa]	Área bruta [mm^2]
1/2 Gr 2	1/2 Gr 2	13	414.0	79

Cargas (No se requiere el equilibrio)

Nombre	Elemento	N [kN]	Vy [kN]	Vz [kN]	Mx [kNm]	My [kNm]	Mz [kNm]
LE1	CR1 / Finalizar	0.0	0.0	-4.8	0.0	0.0	0.0
	CR2 / Finalizar	0.0	0.0	-4.8	0.0	0.0	0.0

Verificación

Resumen

Nombre	Valor	Estado de la verificación
Análisis	100.0%	OK
Placas	0.0 < 5.0%	OK
Tornillos	44.6 < 100%	OK
Soldaduras	37.8 < 100%	OK
Pandeo	No calculado	

Placas

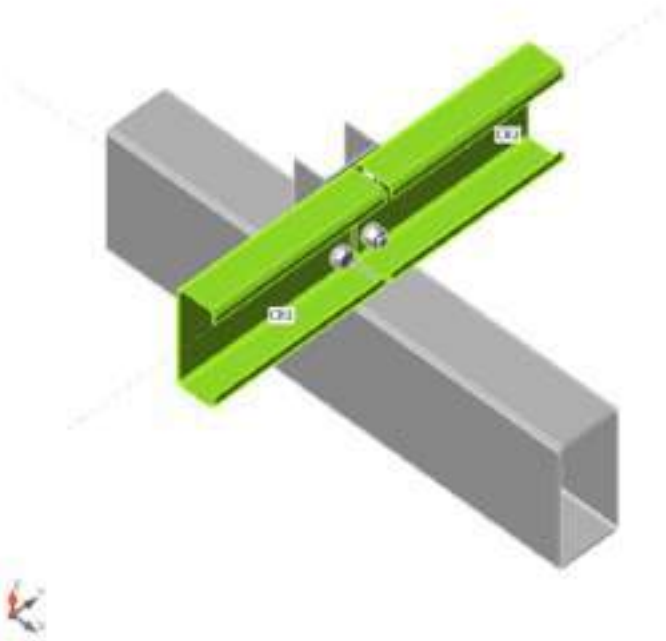
Nombre	t_p [mm]	Cargas	σ_{Ed} [MPa]	ε_{pl} [%]	$\sigma_{c,Ed}$ [MPa]	Estado
VIGA-w 1	4.0	LE1	22.7	0.0	0.0	OK
VIGA-arc 1	4.0	LE1	23.6	0.0	0.0	OK
VIGA-arc 2	4.0	LE1	23.3	0.0	0.0	OK
VIGA-arc 3	4.0	LE1	22.6	0.0	0.0	OK
VIGA-w 2	4.0	LE1	63.1	0.0	0.0	OK
VIGA-arc 4	4.0	LE1	93.6	0.0	0.0	OK
VIGA-arc 5	4.0	LE1	113.4	0.0	0.0	OK
VIGA-arc 6	4.0	LE1	131.4	0.0	0.0	OK
VIGA-w 3	4.0	LE1	61.6	0.0	0.0	OK
VIGA-arc 7	4.0	LE1	131.3	0.0	0.0	OK
VIGA-arc 8	4.0	LE1	113.4	0.0	0.0	OK
VIGA-arc 9	4.0	LE1	93.5	0.0	0.0	OK
VIGA-w 4	4.0	LE1	63.1	0.0	0.0	OK
VIGA-arc 10	4.0	LE1	22.6	0.0	0.0	OK
VIGA-arc 11	4.0	LE1	23.3	0.0	0.0	OK
VIGA-arc 12	4.0	LE1	23.6	0.0	0.0	OK
CR1	2.5	LE1	269.8	0.0	0.0	OK
CR2	2.5	LE1	269.2	0.0	0.0	OK
SP 1	2.5	LE1	204.1	0.0	30.1	OK
SP 2	2.5	LE1	134.5	0.0	0.0	OK
SP 3	2.5	LE1	134.5	0.0	0.0	OK

Datos de diseño

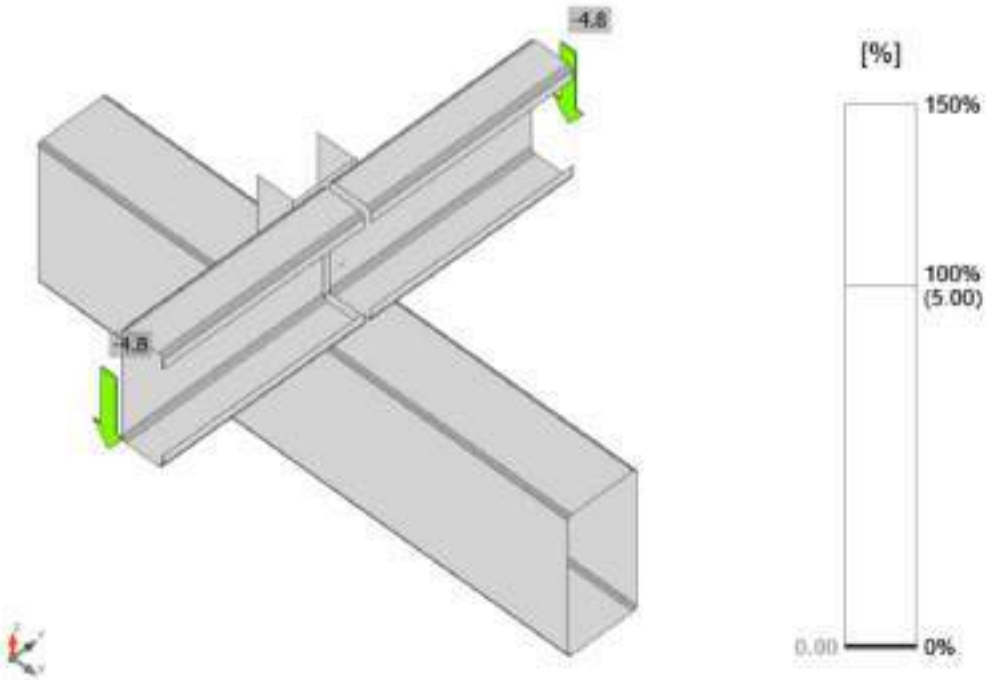
Material	F_y [MPa]	ε_{lim} [%]
A572 Gr.50	344.7	5.0

Explicación del símbolo

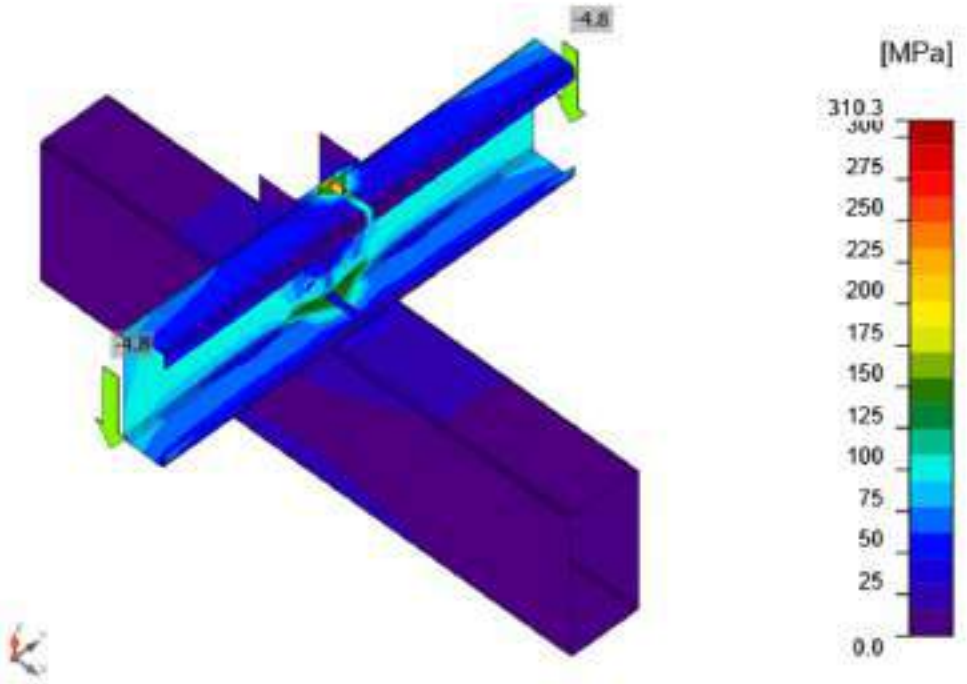
t_p	Espesor de placa
σ_{Ed}	Tensión equivalente
ε_{pl}	Deformación plástica
$\sigma_{c,Ed}$	Tensiones de Contacto
F_y	Límite elástico
ε_{lim}	Límite de la deformación plástica



Verificación general, LE1

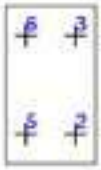


Verificación de deformación, LE1



Tensión equivalente, LE1

Tornillos

Forma	Ítem	Calidad	Cargas	F_t [kN]	V [kN]	$\phi R_{n,portante}$ [kN]	Ut_t [%]	Ut_s [%]	Ut_{ts} [%]	Estado
	B2	1/2 Gr 2 - 1	LE1	3.5	2.5	23.0	18.8	23.1	-	OK
	B3	1/2 Gr 2 - 1	LE1	8.2	2.3	15.5	44.6	20.4	-	OK
	B5	1/2 Gr 2 - 1	LE1	3.4	2.5	23.0	18.7	23.1	-	OK
	B6	1/2 Gr 2 - 1	LE1	8.2	2.3	15.5	44.6	20.4	-	OK

Datos de diseño

Calidad	$\phi R_{n,tracción}$ [kN]	$\phi R_{n,cortante}$ [kN]
1/2 Gr 2 - 1	18.4	11.0

Explicación del símbolo

F_t	Fuerza de tracción
V	Resultante de fuerzas cortantes en pernos Vy y Vz en planos de cortantes
$\phi R_{n,portante}$	Resistencia a aplastamiento de la chapa provocado por el tornillo
Ut_t	Utilización a tracción
Ut_s	Utilización a cortante
Ut_{ts}	Utilización a tensión y cortante
$\phi R_{n,tracción}$	Resistencia a tracción del tornillo - AISC 360-16 – J3.6
$\phi R_{n,cortante}$	Resistencia a cortante del tornillo - AISC 360-16 – J3.6

Soldaduras

Ítem	Borde	Xu	t_w [mm]	w [mm]	L [mm]	L_c [mm]	Cargas	F_n [kN]	ϕR_n [kN]	Ut [%]	Estado
VIGA-w 3	SP 1	E70xx	◢ 2.1 ◣	◢ 3.0 ◣	86	10	LE1	2.1	6.5	32.1	OK
		E70xx	◢ 2.1 ◣	◢ 3.0 ◣	86	10	LE1	2.3	6.6	35.6	OK
SP 1	SP 2	E70xx	-	-	160	-	-	-	-	-	OK
SP 1	SP 3	E70xx	-	-	160	-	-	-	-	-	OK
VIGA-w 3	SP 2	E70xx	◢ 2.1 ◣	◢ 3.0 ◣	50	10	LE1	2.1	5.7	37.8	OK
		E70xx	◢ 2.1 ◣	◢ 3.0 ◣	50	10	LE1	1.9	6.7	28.2	OK
VIGA-w 3	SP 3	E70xx	◢ 2.1 ◣	◢ 3.0 ◣	50	10	LE1	1.9	6.7	28.3	OK
		E70xx	◢ 2.1 ◣	◢ 3.0 ◣	50	10	LE1	2.1	5.7	37.8	OK

Explicación del símbolo

t_w	Espesor de garganta de soldadura
w	Tamaño de la soldadura
L	Longitud de la soldadura
L_c	Longitud del elemento crítico de la soldadura
F_n	Fuerza en el elemento crítico de la soldadura
ϕR_n	Resistencia de la soldadura - AISC 360-16 – J2-4
Ut	Utilización
◢	Cordón de soldadura

Pandeo

El análisis de pandeo no se ha calculado.

Configuración de la norma

Ítem	Valor	Unidad	Referencia
Coeficiente de fricción - hormigón	0.40	-	ACI 349-01 – B.6.1.4
Coeficiente de fricción en la resistencia a deslizamiento	0.30	-	AISC 360-16 – J3.8
Deformación plástica límite	0.05	-	
Detallado	No		
Distancia entre tornillos [d]	2.66	-	AISC 360-16 – J3.3
Distancia entre tornillos y el borde [d]	1.25	-	AISC 360-16 – J.3.4
Resistencia al arrancamiento del cono de hormigón	Ninguno		
Resistencia del metal base en la cara de fusión de la soldadura	No		AISC 360-16 – J2-2
La deformación en el orificio del perno con la carga de servicio es una consideración de diseño	Sí		AISC 360-16 – J3.10
Hormigón fisurado	Sí		ACI 318-14 – 17
Comprobación de la deformación local	No		
Deformación límite local	0.03	-	CIDECT DG 1, 3 - 1.1
No linealidad geométrica (GMNA)	Sí		Grandes deformaciones para secciones huecas

MEMORIA DE CÁLCULOS

CONSTRUCCIÓN DE LA NUEVA PLANTA FÍSICA DEL CENTRO HOSPITAL DEL CORREGIMIENTO DE ROZO, MUNICIPIO DE PALMIRA – VALLE DEL CAUCA

BLOQUE 3

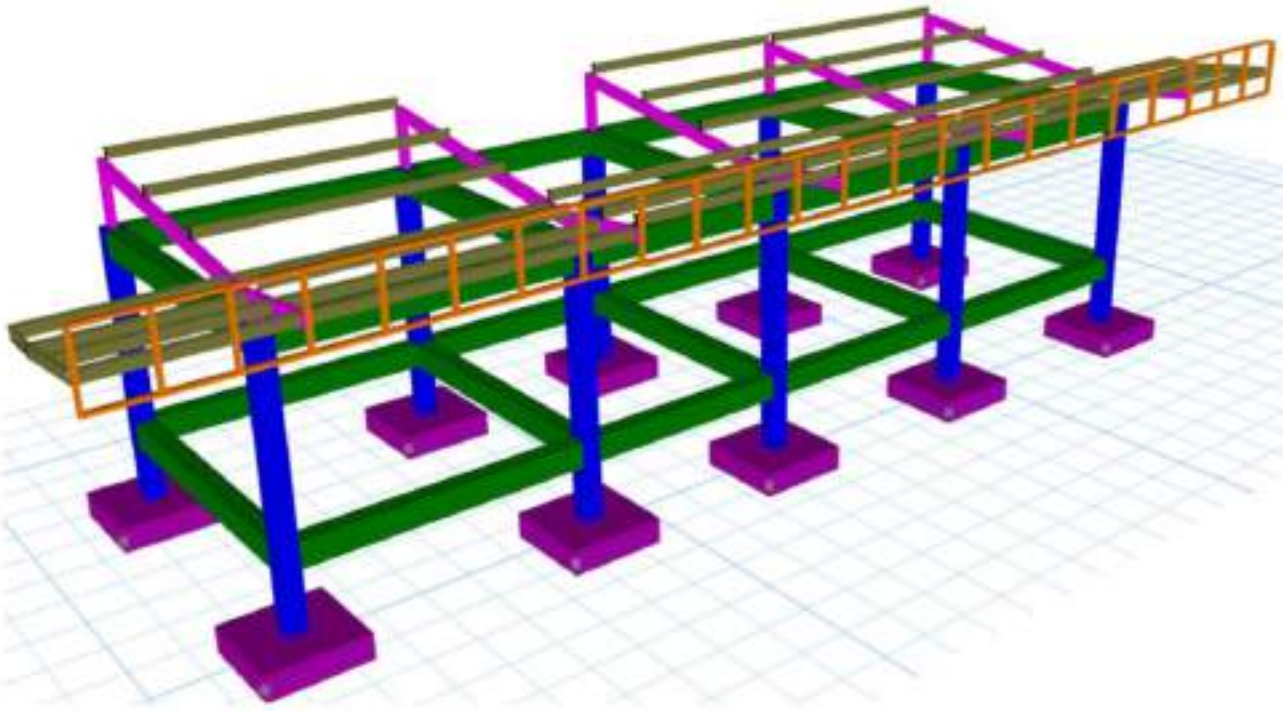
ROZO
PALMIRA - VALLE DEL CAUCA

CONSULTOR: FUNDACIÓN UNIVALLE

Wilmar A. Portilla Salas
Ingeniero Civil, MSc.
M.P.: 76202201272-VLL

PROYECTO:

CONSTRUCCIÓN DE LA NUEVA PLANTA FÍSICA DEL CENTRO HOSPITAL DEL CORREGIMIENTO DE ROZO, MUNICIPIO DE PALMIRA – VALLE DEL CAUCA



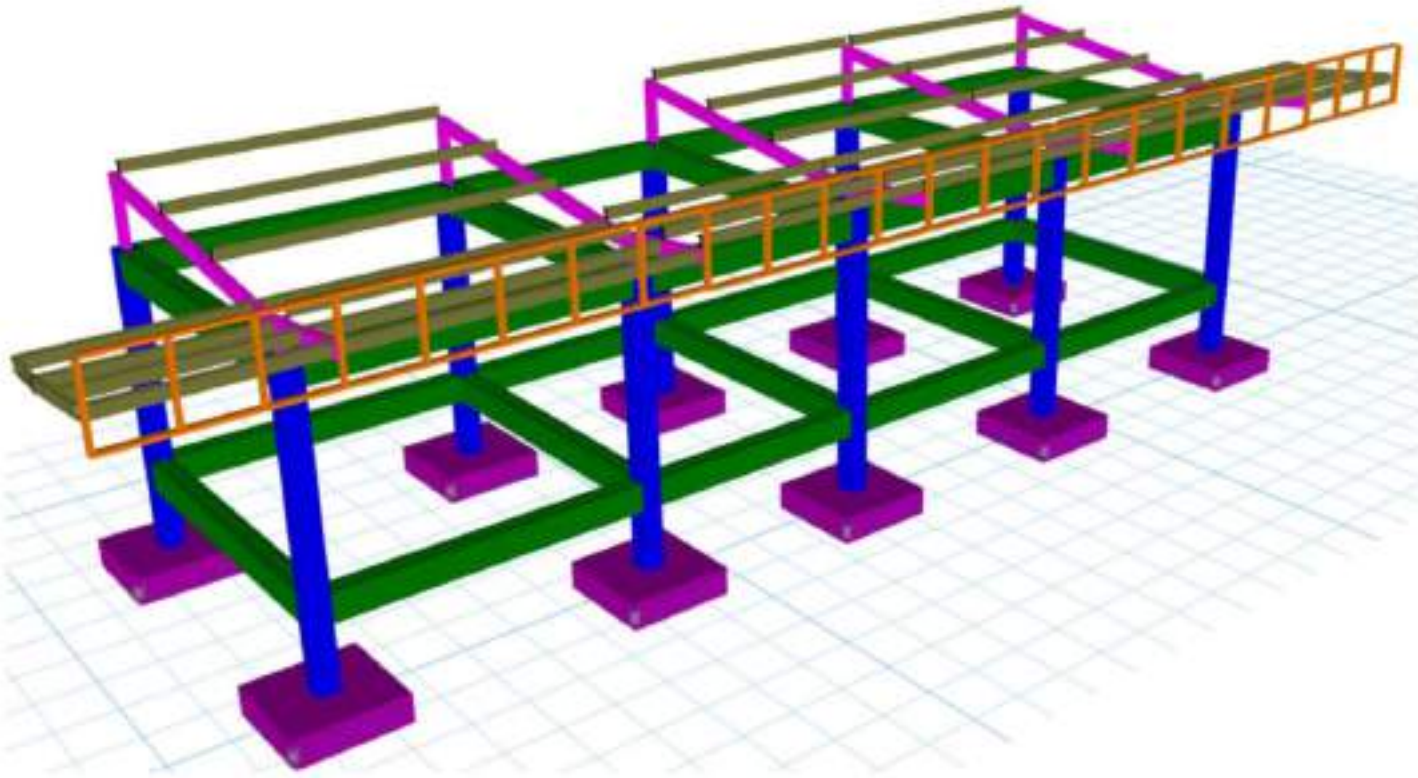
PALMIRA – VALLE DEL CAUCA

Agosto de 2025

Carrera 27 No. 4 – 15 Cali – Colombia
PBX: +57(2) 331 8004 – 554 5579/80
contacto@fundacionunivalle.org

ÍNDICE DE MODIFICACIONES

Índice de revisión	Capitulo Modificado	Fecha de modificación	Observaciones
V1	-	Agosto 27 de 2025	Primera emisión
V2	-	Septiembre 15 de 2025	Ajustes a observaciones de revisión externa.



MODELO 3D

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ANEXO B - DISEÑO DE ELEMENTOS ESTRUCTURALES (COLUMNAS Y VIGAS)

ANEXO C - DISEÑO DE CIMENTACIÓN

ANEXO D - MUROS NO ESTRUCTURALES

ANEXO E - DISEÑO PROTECCIÓN CONTRA EL FUEGO

ANEXO F – DISEÑO DE ELEMENTOS METÁLICOS Y CONEXIONES

1 OBJETIVO Y ALCANCE

1.1 OBJETIVO

Diseñar y dimensionar la estructura del Bloque 3 del Centro Hospital de Rozoo, garantizando el cumplimiento de los requisitos de seguridad, funcionalidad y normativa vigente. El diseño estructural se desarrollará con base en la información proporcionada por el estudio de suelos, el proyecto arquitectónico y demás especificaciones técnicas, considerando las acciones gravitacionales y laterales, y aplicando los lineamientos establecidos en la Norma Colombiana de Diseño y Construcción Sismo Resistente (NSR-10).

1.2 ALCANCE

El alcance del presente proyecto comprende la elaboración de los diseños estructurales definitivos del Bloque 3 correspondiente al CES ROZO. Dichos diseños atenderán criterios de resistencia, estabilidad, seguridad, funcionalidad constructiva y servicio, cumpliendo con lo establecido en el Reglamento Colombiano de Construcción Sismo Resistente NSR-10, así como con las recomendaciones derivadas del estudio de suelos y las condiciones particulares del proyecto arquitectónico.

2 GENERALIDADES

2.1 DESCRIPCIÓN DE LA ESTRUCTURA

- La estructura se ha proyectado en concreto reforzado, con un sistema de pórticos resistentes a momento, el cual es responsable de resistir tanto las cargas verticales como las fuerzas sísmicas horizontales. Este sistema proporciona una adecuada rigidez lateral y capacidad de disipación de energía, cumpliendo con los requisitos establecidos por el Reglamento Colombiano de Construcción Sismo Resistente NSR-10 para edificaciones esenciales.

- La cubierta está compuesta por vigas tubulares de acero estructural, correas en lámina delgada tipo "perlin" y teja termoacústica.

- La cimentación es de tipo superficial, compuesta por zapatas aisladas y vigas de amarre, diseñadas conforme a las recomendaciones del estudio de suelos.

2.2 CARACTERÍSTICAS GENERALES

Localización:	Rozo - Palmira, Valle del Cauca
Sistema estructural:	Porticos de concreto reforzado
Uso proyectado:	Institucional (Salud)
Número de pisos:	1 Pisos

2.3 ESTUDIOS COMPLEMENTARIOS

Proyecto arquitectónico:	ESTUDIO UN S.A.S. BIC
Estudio de suelos:	LABCON

2.4 NORMA DE DISEÑO

En este numeral se citan los diferentes códigos, normas y estándares que se aplicaran al diseño de edificaciones, de acuerdo a la normativa vigente nacional.

- Reglamento colombiano de Diseño Sismo Resistente NSR-10 - Ley 1229 de 2008.
  - Decreto 926 de 2010
  - Decreto 092 de 2011
  - Decreto 340 de 2012
  - Decreto 945 de 2017
  - Decreto No. 2113 de 2019
  - Decreto Nol 1711 de 2021
  - Decreto No. 1401 de 2023

2.5 MATERIALES

2.5.1 ACERO ESTRUCTURAL

Los elementos de acero estructural deben cumplir con las especificaciones contenidas por el literal F.2.1.5.1 de la NSR-10 y las normas ASTM correspondientes:

• Perfiles W, IPE, HE y Platinas	ASTM A572 Gr.50	f_y = 3515 kg/cm^2
• Perfiles tubulares circulares	ASTM A500 Gr.C	f_y = 3241 kg/cm^2
• Perfiles rectangulares	ASTM A500 Gr.C	f_y = 3515 kg/cm^2
• Ángulos y Canales	ASTM A572 Gr.50	f_y = 3515 kg/cm^2
• Anclajes	ASTM A193 Gr. B7	f_y = 8788 kg/cm^2
• Pernos	ASTM A325	f_y = 8436 kg/cm^2
• Soldadura	E70XX	

2.5.2 ACERO DE REFUERZO

• Barras corrugadas	ASTM A706M	f_y = 4200 kg/cm^2

De acuerdo al literal C.8.5.2 de la NSR-10 se define el módulo de elasticidad del acero de refuerzo Es como 2'030,000 kg/cm^2

2.5.3 CONCRETO

• Cimentación	f'_c = 280 kg/cm^2
• Columnas, vigas y losas	f'_c = 280 kg/cm^2

De acuerdo al literal C.8.5.1 de la NSR-10 se define el módulo de elasticidad del concreto de acuerdo a la resistencia a la compresión usada. $E_c = 15100\sqrt{f'_c}$

2.5.4 MORTEROS

• Mortero de pega	NTC 3329	f'_{cr} = 175 kg/cm^2
• Mortero de relleno	NTC 4048	f'_{cr} = 125 kg/cm^2

De acuerdo a los literales D.3.4 y D.3.5 de la NSR-10 se define la resistencia de los morteros a emplear en los muros de mampostería.

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2.5.5 MAMPOSTERÍA

- Perforación vertical $f'_m = 88\ kg/cm^2$ $E_m = 65725\ kg/cm^2$

De acuerdo al literal D.5.2.1.2 de la NSR-10 se define el módulo de elasticidad del concreto de acuerdo a la resistencia a la compresión usada. $E_m = 750\ f'_m$

3 PARÁMETROS DE ANÁLISIS Y DISEÑO

3.1 ANÁLISIS ESTRUCTURAL

El modelo analítico de la estructura se desarrolla en el programa ETABS, un software de análisis por elementos finitos. En él se emplean elementos tipo Frame para representar vigas y columnas, y elementos tipo Shell bidimensionales (de tres o cuatro nodos) para modelar losas y muros.

La modelación incluye, desde su inicio, la definición de la geometría, propiedades de los materiales y las acciones a las que estará sometida la estructura. Los materiales como acero, concreto y mampostería se consideran isotrópicos y elásticos lineales, obedeciendo la ley de Hooke.

Las uniones entre elementos estructurales se asumen rígidas. Las columnas se modelan con apoyos tipo empotramiento, mientras que los muros se apoyan de forma articulada para permitir rotación en su eje débil, restringiendo completamente sus desplazamientos.

Las cargas gravitacionales (muertas y vivas) se consideran permanentes, mientras que las acciones sísmicas se definen mediante un espectro elástico de aceleraciones, del cual se derivan fuerzas horizontales sobre la estructura.

Una vez definidos estos parámetros, se realiza el análisis estructural mediante el método matricial elástico, determinando la rigidez global del sistema, compuesta por las rigideces individuales de los elementos Frame y Shell. Posteriormente, se ejecuta un análisis modal para obtener las propiedades dinámicas de la estructura, seguido de un análisis espectral modal conforme a lo establecido en el Capítulo A.5 de la NSR-10. Este análisis permite determinar desplazamientos, reacciones y esfuerzos internos requeridos para el diseño estructural de la edificación.

3.2 SISTEMA ESTRUCTURAL

El sistema estructural de resistencia sísmica de la edificación se clasifica como un sistema de pórticos resistentes a momentos en concreto reforzado, conforme a lo establecido en el Reglamento Colombiano de Construcción Sismo Resistente (NSR-10), que define cada sistema según los tipos de elementos verticales utilizados para resistir las fuerzas sísmicas y el grado de capacidad de disipación de energía del material estructural empleado.

A.3.2.1.3 Sistema de pórtico — Es un sistema estructural compuesto por un pórtico espacial, resistente a momentos, esencialmente completo, sin diagonales, que resiste todas las cargas verticales y fuerzas horizontales.

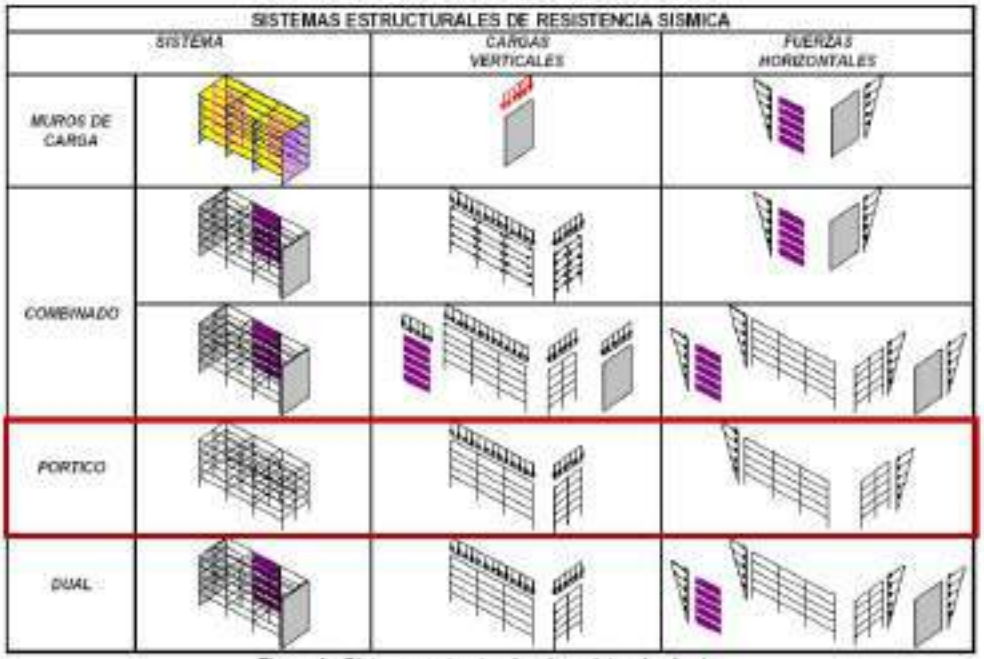


Figura 4 - Sistemas estructurales de resistencia sísmica

3.3 CAPACIDAD DE DISIPACIÓN DE ENERGÍA

De acuerdo con el sistema estructural, la calidad de los materiales y con la capacidad de disipación de energía exigida por el código para cada una de las regiones, se determina el coeficiente de modificación de respuesta Ro de acuerdo a la tabla A. 3-2 de la norma NSR-10.

3.3.1 COEFICIENTE DE CAPACIDAD DE DISIPACIÓN DE ENERGÍA BÁSICO Ro

Por ser una estructura localizada en una zona sísmica alta, se deben seguir las recomendaciones y límites establecidos en la norma NSR-10. Para este caso, se configura un sistema de pórticos resistentes a momentos se le asigna un valor de disipación de energía básico Ro = 7 de acuerdo a la tabla A.3.3 de la NSR-10.

C. SISTEMA DE PÓRTICO RESISTENTE A MOMENTOS		Valor R_0 (Nota 2)	Valor Ω_0 (Nota 4)	zonas de amenaza sísmica					
				Alta		Intermedia		baja	
Sistema resistencia sísmica (fuerzas horizontales)	Sistema resistencia para cargas verticales			uso permit	altura máx.	uso permit	altura máx.	uso permit	altura máx.
1. Pórticos resistentes a momentos con capacidad especial de disipación de energía (DES)									
a. De concreto (DES)	el mismo	7.0	3.0	si	sin límite	si	sin límite	si	sin límite

3.3.2 COEFICIENTE DE SOBRERRESISTENCIA Ωo

Coeficiente que depende del material estructural y el grado de disipación de energía que requieren los elementos frágiles o las conexiones de una edificación. De acuerdo a la tabla A.3-3. el coeficiente de sobre resistencia para un sistema estructural combinado concreto reforzado (DES) es igual a Ωo = 3.0

4 CARGAS Y COMBINACIONES

4.1 CARGAS VERTICALES

Las cargas empleadas para el análisis y diseño de la estructura son las siguientes:

4.1.1 CARGAS MUERTAS (D)

Corresponde al peso propio de la estructura y el peso de los elementos que permanecerán fijos durante su uso (cargas permanentes o comunes).

Tipo: Teja termoacústica
Perlines: PHR C 160x60x2.5mm
Separación: S_{max} = 1.5m



- Cargas por unidad de área

Peso teja		5.0	Kg /m2
Correas		4.0	Kg /m2
Cielo en panel yeso mas entramado		15.0	Kg /m2
Instalaciones (Luminarias-Ductería de red contra incendio)		10.0	Kg /m2
CARGA MUERTA :	**WDL =**	34	Kg/m2

4.1.2 CARGAS VIVAS DE TECHADO (Lr)

Corresponden a aquellas cargas no permanentes que recurren en la cubierta de manera frecuente y se definen de acuerdo a su tipo, inclinación y uso.

Tabla B.4.2.1-2
Inclinación cubierta θ = 10° < 15° W_{Lr} = 50 Kg/m²

4.2 CARGAS DE VIENTO (W)

Son aquellas cargas a las que estará sometida la estructura, debidas a la presión del viento (*Ver anexo A*).

Procedimiento analítico capitulo B.6.

Presión negativa máxima Zonas 1, 2 & 3	W_{W-} =	87.1 Kg/m²
Presión positiva Zonas 1, 2 & 3	W_{W+} =	60 Kg/m²

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4.3 CARGA SÍSMICA (E)

4.4 ESPECTRO DE DISEÑO (A.2.6)

Son aquellas cargas producidas por movimientos sísmicos que para efectos de análisis se obtienen por medio de un espectro elástico de pseudo-aceleraciones.

- Ciudad:	Palmira (Rozo)
- Perfil de Suelo:	Perfil Tipo E
- Aceleración pico efectiva	A_a (g): 0.25
- Velocidad pico efectiva	A_v (g): 0.20
- Coeficiente de amplificación aceleración periodos cortos F_a:	1.45
- Coeficiente de amplificación periodos intermedios	F_v: 3.2
- Grupo de uso para centros de enseñanza	Grupo II
- Coeficiente de importancia:	I: 1.1

La edificación Bloque 2 se clasificó dentro del Grupo de Ocupación II.

A.2.5.1.3 — *Grupo* II — *Estructuras de ocupación especial* — Cubre las siguientes estructuras:

(a) Edificaciones en donde se puedan reunir más de 200 personas en un mismo salón,
(b) Graderías al aire libre donde pueda haber más de 2000 personas a la vez,
(c) Almacenes y centros comerciales con más de 500 m² por piso,
(d) Edificaciones de hospitales, clínicas y centros de salud, no cubiertas en A.2.5.1.1.
(e) Edificaciones donde trabajen o residan más de 3000 personas, y
(f) Edificios gubernamentales.

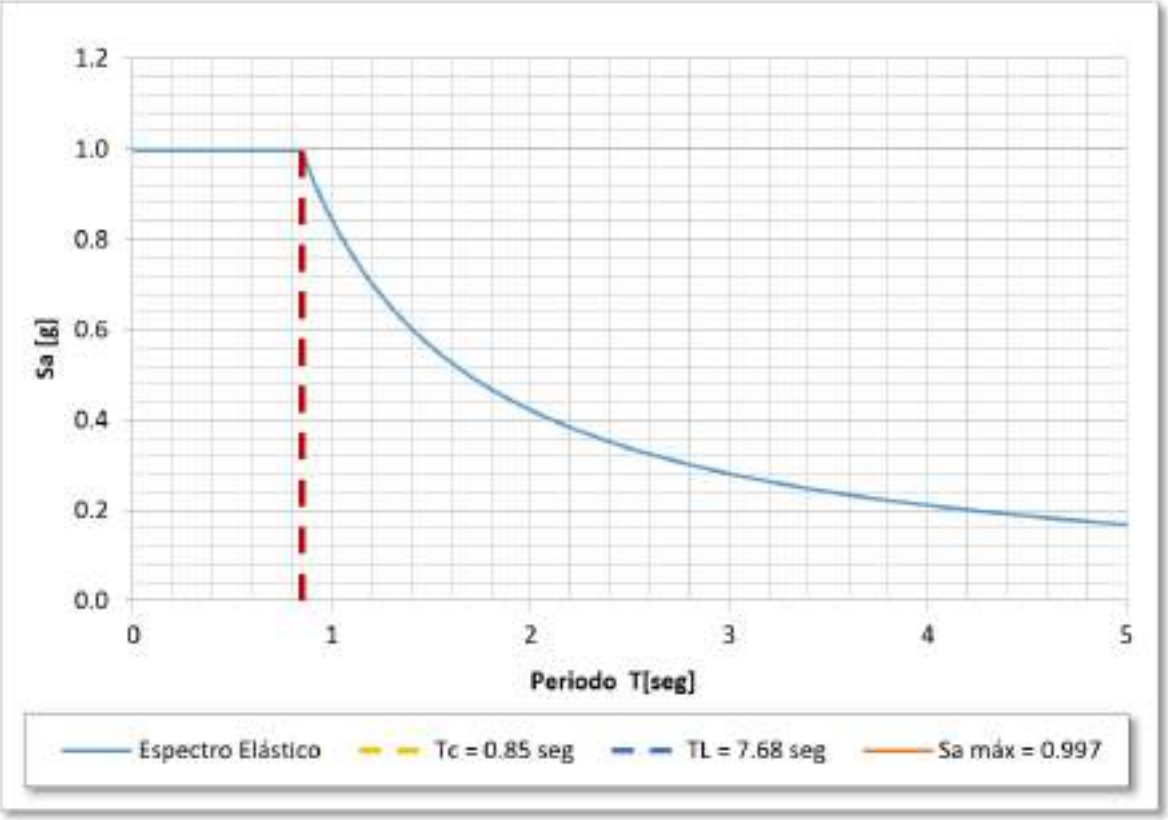


Figura 1. Espectro de diseño elástico

4.5 COMBINACIONES DE CARGAS

El diseño de las estructuras, sus componentes y cimentaciones debe hacerse de tal forma que sus resistencias de diseño igualen o excedan los efectos producidos por las cargas mayoradas en las siguientes combinaciones:

4.5.1 CONDICIONES DE SERVICIO (CARGAS NO MAYORADAS)

B.2.3-1	1.0D
B.2.3-2	1.0D + 1.0H + 1.0L + 1.0T
B.2.3-3	1.0D + 1.0H + 1.0Lr
B.2.3-4	1.0D + 1.0H + 0.75L + 0.75Lr
B.2.3-5	1.0D + 1.0H + 1.0W(+)
B.2.3-6	1.0D + 1.0H + 0.70Ex+0.21Ey
	1.0D + 1.0H + 0.70Ex-0.21Ey
	1.0D + 1.0H - 0.70Ex+0.21Ey
	1.0D + 1.0H - 0.70Ex-0.21Ey
	1.0D + 1.0H + 0.21Ex+0.70Ey
	1.0D + 1.0H + 0.21Ex-0.70Ey
	1.0D + 1.0H - 0.21Ex+0.70Ey
	1.0D + 1.0H - 0.21Ex-0.70Ey
B.2.3-7	1.0D + 1.0H + 0.75L + 0.75Lr + 0.75W(+)
B.2.3-8	1.0D + 1.0H + 0.75L + 0.75Lr + 0.52Ex + 0.16Ey
	1.0D + 1.0H + 0.75L + 0.75Lr + 0.52Ex - 0.16Ey
	1.0D + 1.0H + 0.75L + 0.75Lr - 0.52Ex + 0.16Ey
	1.0D + 1.0H + 0.75L + 0.75Lr - 0.52Ex - 0.16Ey
	1.0D + 1.0H + 0.75L + 0.75Lr + 0.16Ex + 0.52Ey
	1.0D + 1.0H + 0.75L + 0.75Lr + 0.16Ex - 0.52Ey
	1.0D + 1.0H + 0.75L + 0.75Lr - 0.16Ex + 0.52Ey
	1.0D + 1.0H + 0.75L + 0.75Lr - 0.16Ex - 0.52Ey
B.2.3-9	0.6D + 1.0H + 1.00W(+)
B.2.3-10	0.6D + 1.0H + 0.70E

4.5.2 CONDICIONES ÚLTIMAS (CARGAS MAYORADAS)

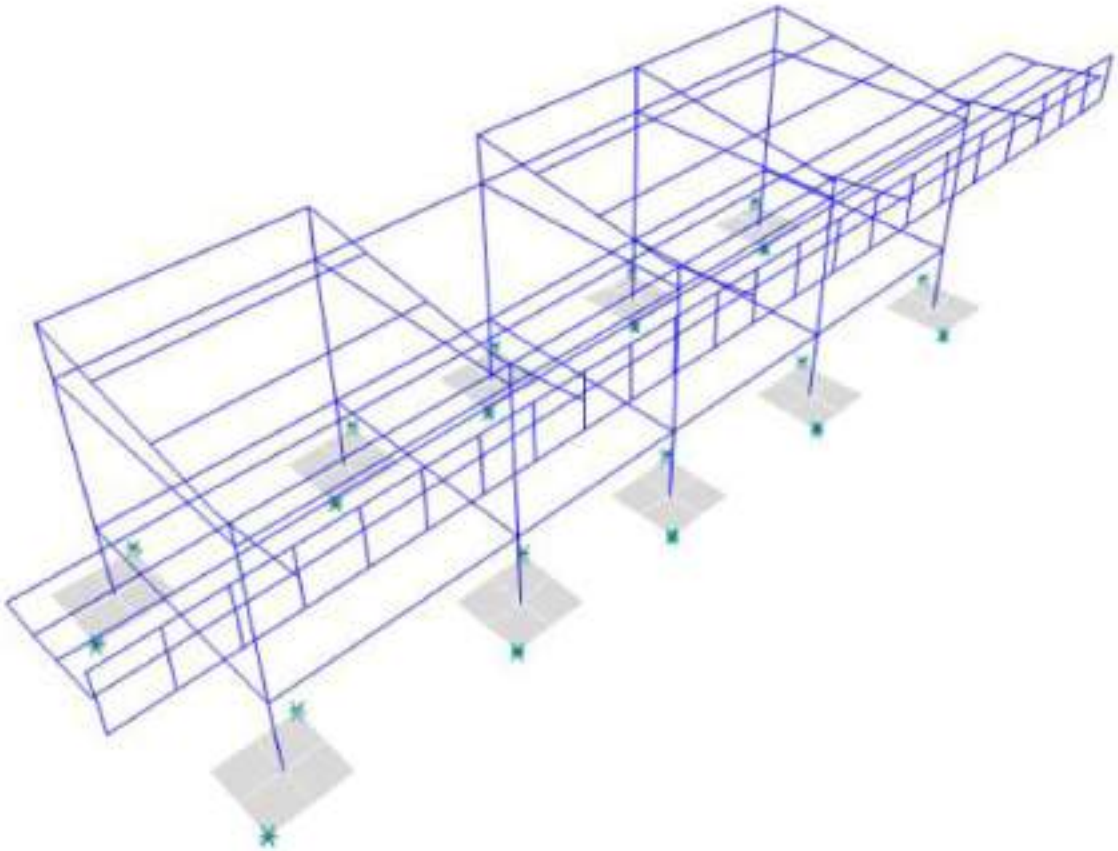
B.2.4-1	1.4D
B.2.4-2	1.2D + 1.6L + 0.5Lr
B.2.4-3	1.2D + 1.0L + 1.6Lr + 0.5W(+)
B.2.4-4	1.2D + 1.0L + 0.5Lr + 1.0W(+)
B.2.4-5	1.2D + 1.0L + 1.0Ex + 0.3Ey
	1.2D + 1.0L + 1.0Ex - 0.3Ey
	1.2D + 1.0L - 1.0Ex + 0.3Ey
	1.2D + 1.0L - 1.0Ex - 0.3Ey
	1.2D + 1.0L + 0.3Ex + 1.0Ey
	1.2D + 1.0L + 0.3Ex - 1.0Ey
	1.2D + 1.0L - 0.3Ex + 1.0Ey
	1.2D + 1.0L - 0.3Ex - 1.0Ey
B.2.4-6	0.9D + 1.0W(-)
B.2.4-7	0.9D + 1.0Ex + 0.3Ey
	0.9D + 1.0Ex - 0.3Ey
	0.9D - 1.0Ex + 0.3Ey
	0.9D - 1.0Ex - 0.3Ey
	0.9D + 0.3Ex + 1.0Ey
	0.9D + 0.3Ex - 1.0Ey
	0.9D - 0.3Ex + 1.0Ey
	0.9D - 0.3Ex - 1.0Ey

5 MODELO DIGITAL

Para el análisis y diseño de los elementos que conforman la edificación se utilizó el software de elementos finitos Etabs V18. de la compañia Computers and Structures, Inc.

A continuación, se presenta informe con los datos de entrada bajo los cuales se realiza el modelo digital.

ETABS® version 18



Resumen

1 Structure Data

1.1 Story Data

Table 1.1 - Story Definitions

Tower	Name	Height m	Master Story	Similar To	Splice Story	Color
B2	CB	1	No	None	No	Orange
B2	NV	3	No	None	No	Gray8Dark
B2	Piso 1	1.5	No	None	No	Gray8Dark

2 Loads

2.1 Load Patterns

Table 2.1 - Load Pattern Definitions

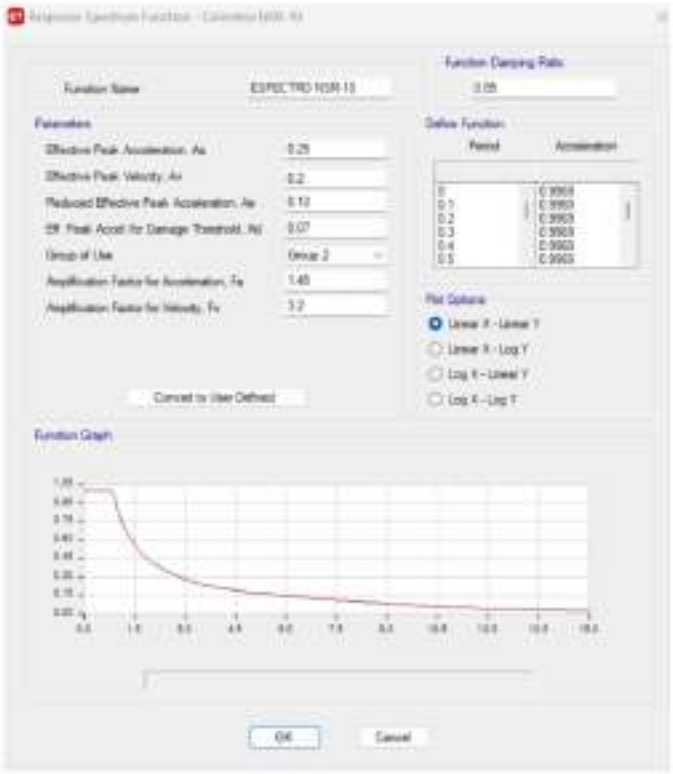
Name	Is Auto Load	Type	Self Weight Multiplier	Auto Load
~EXYECC	Yes	Other	0	
~INEXECC	Yes	Other	0	
~INEYECC	Yes	Other	0	
~LLRF	Yes	Other	0	
~SeismicEXYECC	Yes	Other	0	
~SXECC	Yes	Other	0	
~SYECC	Yes	Other	0	
Dead	No	Dead	1	
F	No	Other	0	
H	No	Other	0	
Live	No	Live	0	
Lr	No	Roof Live	0	
SuperDead	No	Super Dead	0	
T	No	Other	0	
Wx (-)	No	Wind	0	None
Wx (+)	No	Wind	0	None
Wy (-)	No	Wind	0	None
Wy (+)	No	Wind	0	None
Wz (-)	No	Wind	0	None
Wz (+)	No	Wind	0	None

2.2 Functions

2.2.1 Response Spectrum Functions

Table 2.2 - Functions - Response Spectrum - User Defined

Name	Period sec	Value	Aa	Av	Ae	Ad	Group of Use	Fa	Fv	Damping Ratio
ESPECTRO NSR-10	0	0.996875	0.25	0.2	0.12	0.07	2	1.45	3.2	0.05
ESPECTRO NSR-10	0.1	0.996875								
ESPECTRO NSR-10	0.2	0.996875								
ESPECTRO NSR-10	0.3	0.996875								
ESPECTRO NSR-10	0.4	0.996875								
ESPECTRO NSR-10	0.5	0.996875								
ESPECTRO NSR-10	0.6	0.996875								
ESPECTRO NSR-10	0.7	0.996875								
ESPECTRO NSR-10	0.8	0.996875								
ESPECTRO NSR-10	0.9	0.938667								
ESPECTRO NSR-10	1	0.8448								
ESPECTRO NSR-10	1.2	0.704								
ESPECTRO NSR-10	1.5	0.5632								
ESPECTRO NSR-10	1.7	0.496941								
ESPECTRO NSR-10	2	0.4224								
ESPECTRO NSR-10	2.5	0.33792								
ESPECTRO NSR-10	3	0.2816								
ESPECTRO NSR-10	3.5	0.241371								
ESPECTRO NSR-10	4	0.2112								
ESPECTRO NSR-10	5	0.16896								
ESPECTRO NSR-10	8	0.101376								
ESPECTRO NSR-10	11	0.05362								
ESPECTRO NSR-10	15	0.028836								



2.3 Load Cases

Table 2.3 - Load Case Definitions - Summary

Name	Type
Modal	Modal - Eigen
Dead	Linear Static
Live	Linear Static
SuperDead	Linear Static
Lr	Linear Static
F	Linear Static
H	Linear Static
T	Linear Static
$Seismic_{XY}$	Response Spectrum
E_{XY}	Response Spectrum
Wx (+)	Linear Static
Wx (-)	Linear Static
Wy (+)	Linear Static
Wy (-)	Linear Static
Wz (+)	Linear Static
Wz (-)	Linear Static
SX	Response Spectrum
SY	Response Spectrum

Name	Type
INEX	Response Spectrum
INEY	Response Spectrum

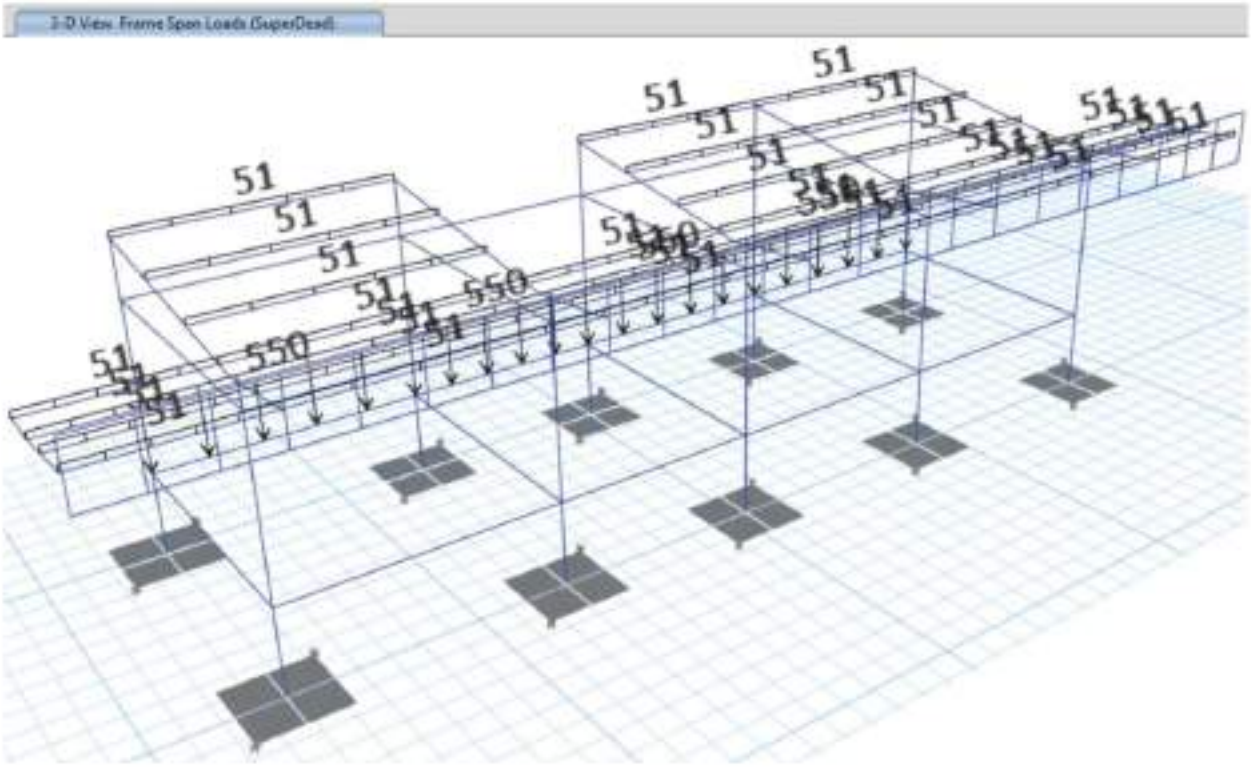
3.1 Properties

2.1 Materials

Table 2.1 - Material Properties - General

Material	Type	SymType	Grade	Color	Notes
A416Gr270	Tendon	Uniaxial	Unknown	Gray8Dark	
A572Gr50	Steel	Isotropic	Grade 50	Red	
A615Gr60	Rebar	Uniaxial	Unknown	Magenta	
A653SQGr50	ColdFormed	Isotropic	SQ Grade 50	Blue	
A706Gr60	Rebar	Uniaxial	Grade 60	Yellow	
ASTM A500 Gr. C	Steel	Isotropic	Grade 50	Magenta	
f'c=280kg/cm2	Concrete	Isotropic	Unknown	Cyan	

4.2 Frame Loads



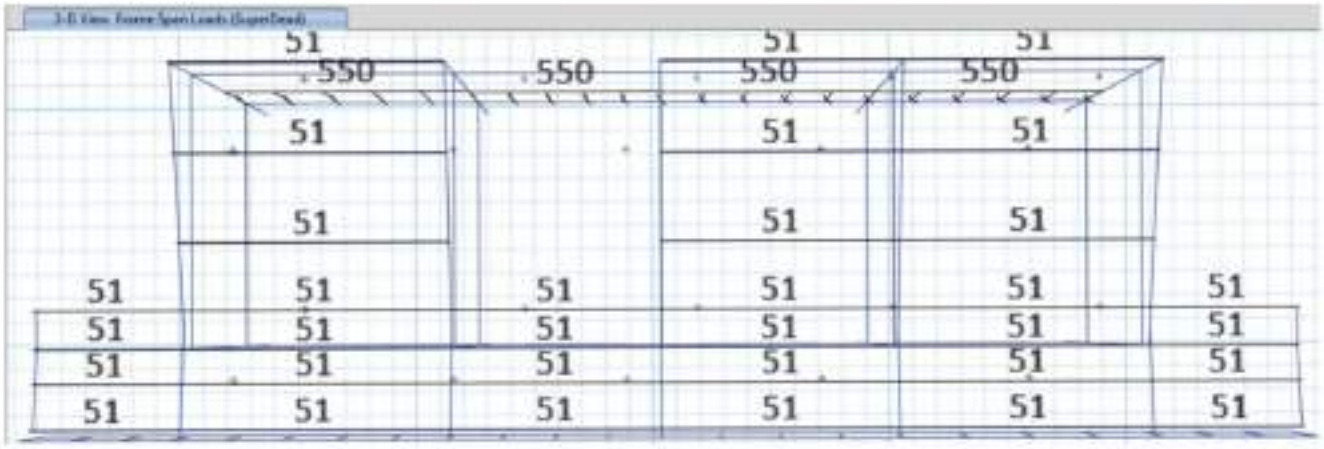


Figura 2. Carga sobreimpuesta sobre cubierta.

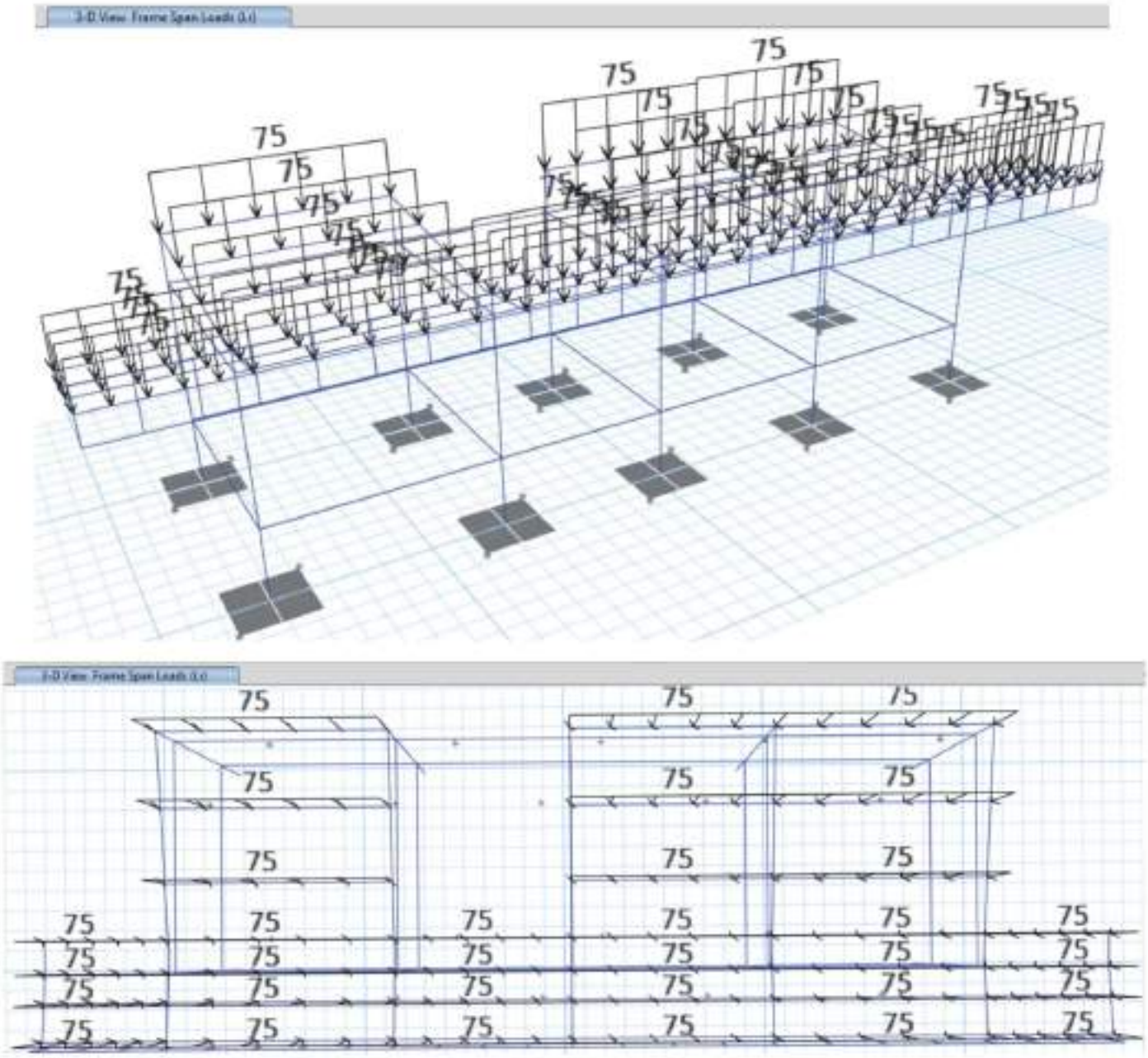


Figura 3. Carga viva sobre cubierta.

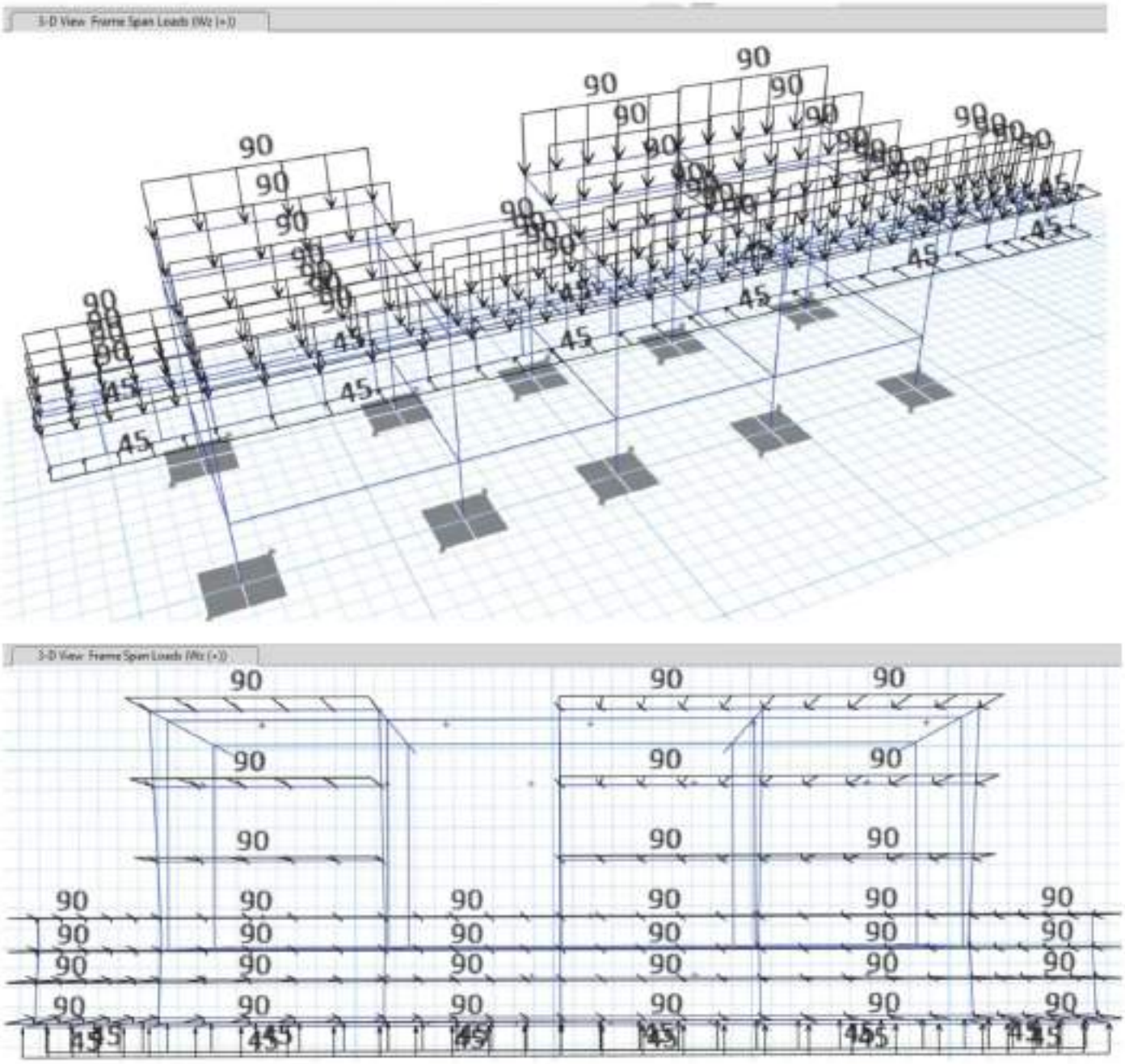


Figura 4. Carga de viento de compresión sobre cubierta.

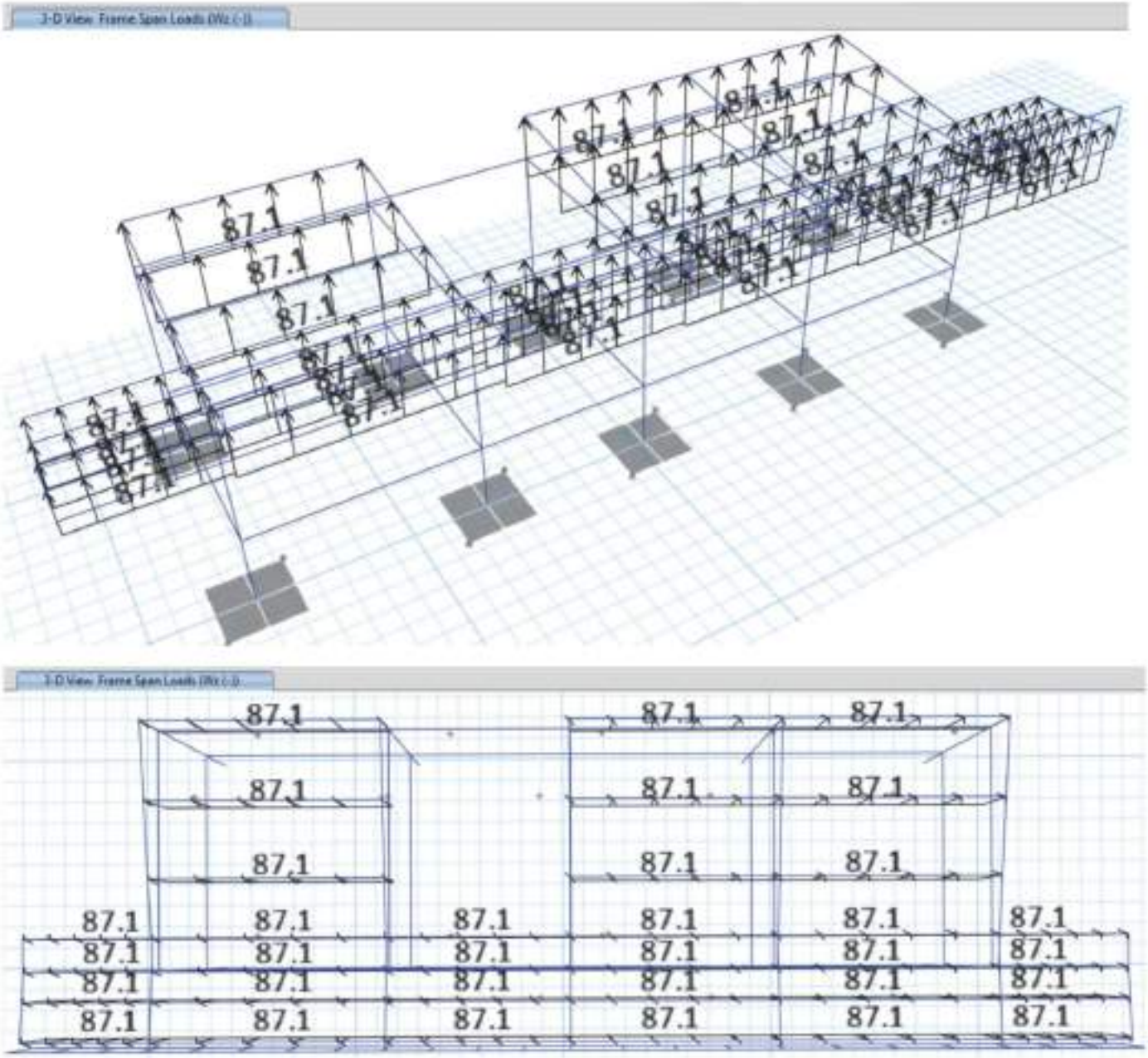


Figura 5. Carga de viento de succión sobre cubierta.

6 ANÁLISIS SÍSMICO

6.1 TIPO DE ANÁLISIS

El análisis sísmico realizado corresponde al método de Análisis Modal Elástico Espectral, según lo establecido en el Capítulo A.5.4 de la norma NSR-10. Para la excitación sísmica se utilizó el espectro de diseño definido en el Título A de dicha norma. En el modelo estructural, se asumieron diafragmas rígidos en las losas, considerando sus características de material, tipología y configuración geométrica.

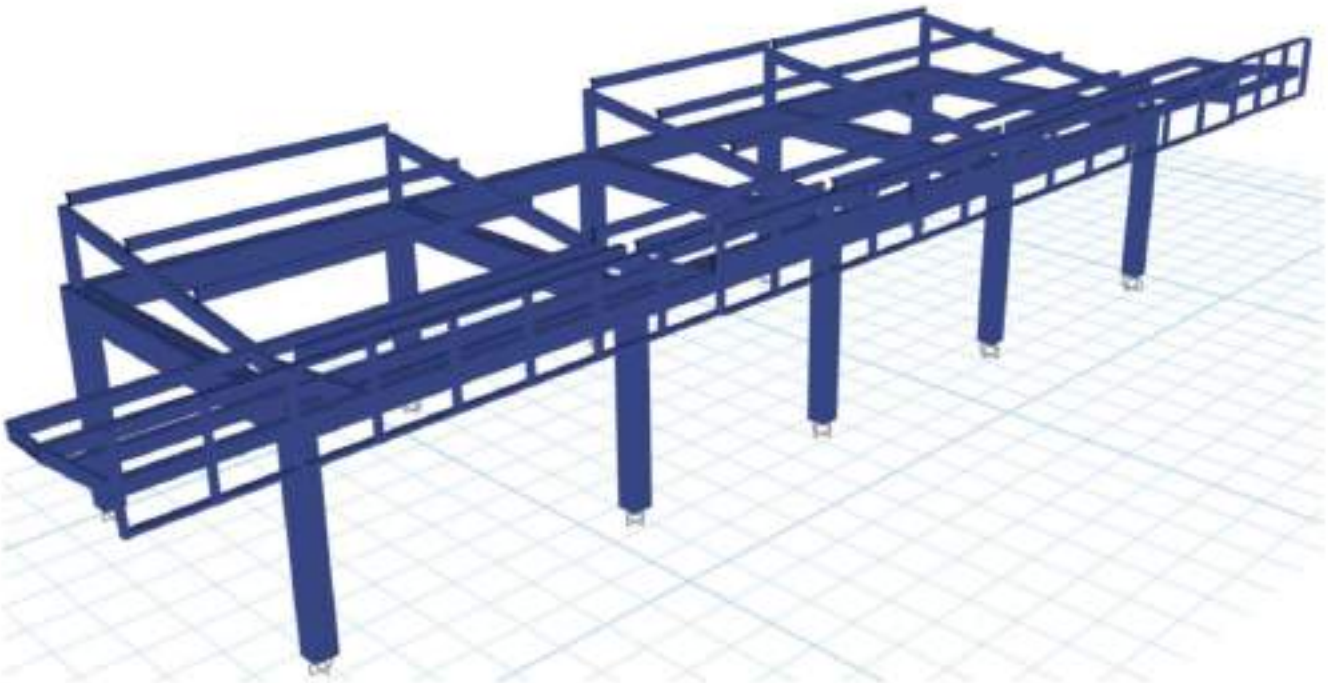


Figura 6. Modelo 3D Etabs

6.2 IRREGULARIDADES

La regularidad o irregularidad de la edificación, tanto en planta como en alzado, se define siguiendo los preceptos de las tablas A.3-6 y A.3-7 de la NSR-10, y su grado de redundancia o de ausencia de ella en el sistema estructural de resistencia sísmica, se define de acuerdo al literal A.3.3.8.

6.2.1 IRREGULARIDADES EN PLANTA ϕ_p

1aP - Irregularidad torsional — La irregularidad torsional existe cuando en una edificación con diafragma rígido, la máxima deriva de piso de un extremo de la estructura, calculada incluyendo la torsión accidental y medida perpendicularmente a un eje determinado, es más de 1.2 y menor o igual a 1.4 veces la deriva promedio de los dos extremos de la estructura, con respecto al mismo eje de referencia.
(ϕ_p: 0.9)

CHEQUEA	Si

1bP - Irregularidad torsional extrema — La irregularidad torsional extrema existe cuando en una edificación con diafragma rígido, la máxima deriva de piso de un extremo de la estructura, calculada incluyendo la torsión accidental y medida perpendicularmente a un eje determinado, es más de 1.4 veces la deriva promedio de los dos extremos de la estructura, con respecto al mismo eje de referencia.
(ϕ_p: 0.8)

CHEQUEA	SI



Figura 7 Nodos seleccionados para Irregularidad torsional

SISMO EN X **Δ: Deriva de análisis**

Nodos	355	485				
Nivel	Δ1	Δ2	1.2x(Δ1+Δ2) / 2	1.4x(Δ1+Δ2) / 2	Irregularidad Torsional	Irregularidad Torsional Extrema
NV	0.0076	0.0051	0.76%	0.89%	No	No

Nodos	583	588				
Piso	Δ1 (cm)	Δ2 (cm)	1.2x(Δ1+Δ2 / 2	1.4x(Δ1+Δ2 / 2	Irregularidad Torsional	Irregularidad Torsional Extrema
NV	0.0076	0.0051	0.76%	0.89%	No	No

SISMO EN Y **Δ: Deriva de análisis**

Nodos	485	588				
Piso	Δ1	Δ2	1.2x(Δ1+Δ2) / 2	1.4x(Δ1+Δ2) / 2	Irregularidad Torsional	Irregularidad Torsional Extrema
NV	0.0021	0.0021	0.26%	0.30%	No	No

Nodos	355	583				
Piso	Δ1 (cm)	Δ2 (cm)	1.2x(Δ1+Δ2 / 2	1.4x(Δ1+Δ2 / 2	Irregularidad Torsional	Irregularidad Torsional Extrema
NV	0.0022	0.0021	0.26%	0.30%	No	No

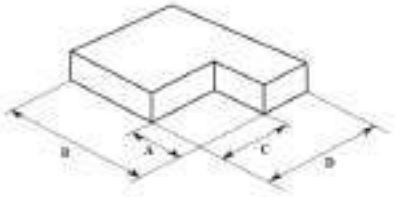
2P - Retrocesos excesivos en las esquinas — La configuración de una estructura se considera irregular cuando ésta tiene retrocesos excesivos en sus esquinas. Un retroceso en una esquina se considera excesivo cuando las proyecciones de la estructura, a ambos lados del retroceso, son mayores que el 15 por ciento de la dimensión de la planta de la estructura en la dirección del retroceso. (ϕ_p: 0.9)

CHEQUEA	SI

A	B	C	D
0	16.95 m	0	5.15 m

0.15B	2.54 m	0.15D	0.7725 m

A < 0.15B	SI	C < 0.15D	SI



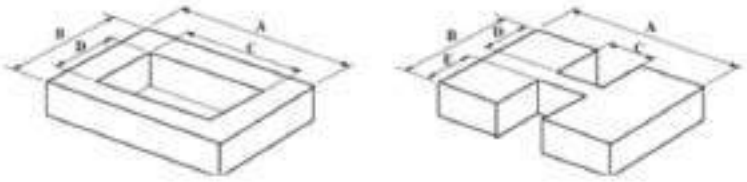
3P - Discontinuidades en el diafragma — Cuando el diafragma tiene discontinuidades apreciables o variaciones en su rigidez, incluyendo las causadas por aberturas, entradas, retrocesos o huecos con áreas mayores al 50 por ciento del área bruta del diafragma o existen cambios en la rigidez efectiva del diafragma de más del 50 por ciento, entre niveles consecutivos, la estructura se considera irregular. (ϕ_p: 0.9)

CHEQUEA	SI

AREA BRUTA (AB)	87 m²	0.5AB	43.5 m²
AREA ABERTURA (AA)	0 m²	0.5AB > AA	OK

Tipo 3P — Irregularidad del diafragma — ϕ_p = 0.9

1) C × D > 0.5 A × B **2) (C × D + C × E) > 0.5 A × B**



4P - Desplazamientos del plano de acción de elementos verticales — La estructura se considera irregular cuando existen discontinuidades en las trayectorias de las fuerzas inducidas por los efectos sísmicos, tales como cuando se traslada el plano que contiene a un grupo de elementos verticales del sistema de resistencia sísmica, en una dirección perpendicular a él, generando un nuevo plano. Los altillos o mansardas de un solo piso se eximen de este requisito en la consideración de irregularidad. (ϕ_p: 0.8)

CHEQUEA	SI

5P - Sistemas no paralelos — Cuando las direcciones de acción horizontal de los elementos verticales del sistema de resistencia sísmica no son paralelas o simétricas con respecto a los ejes ortogonales horizontales principales del sistema de resistencia sísmica, la estructura se considera irregular. (ϕ_p: 0.9)

CHEQUEA	SI

Conclusión: La estructura Si tiene irregularidad en planta ϕ_p = 1.0

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6.2.2 IRREGULARIDADES EN ALTURA ϕ_a

1aA - Piso flexible (Irregularidad en rigidez) — Cuando la rigidez ante fuerzas horizontales de un piso es menor del 70 por ciento, pero superior o igual al 60 por ciento de la rigidez del piso superior o menor del 80 por ciento, pero superior o igual al 70 por ciento del promedio de la rigidez de los tres pisos superiores, la estructura se considera irregular. (ϕ_p: 0.9)

CHEQUEA	SI

1bA - Piso flexible (Irregularidad extrema en rigidez) — Cuando la rigidez ante fuerzas horizontales de un piso es menor del 60 por ciento de la rigidez del piso superior o menor del 70 por ciento del promedio de la rigidez de los tres pisos superiores, la estructura se considera irregular. (ϕ_p: 0.8)

CHEQUEA	SI

2A - Irregularidad en la distribución de las masas — Cuando la masa, m_i, de cualquier piso es mayor que 1.5 veces la masa de uno de los pisos contiguos, la estructura se considera irregular. Se exceptúa caso de cubiertas que sean más livianas que el piso de abajo. (ϕ_p: 0.9)

CHEQUEA	SI

3A - Irregularidad geométrica — Cuando la dimensión horizontal del sistema de resistencia sísmica en cualquier piso es mayor que 1.3 veces la misma dimensión en un piso adyacente, la estructura se considera irregular. Se exceptúa el caso de altillos de un solo piso. (ϕ_p: 0.9)

CHEQUEA	SI

4A - Desplazamientos dentro del plano de acción — La estructura se considera irregular cuando existen desplazamientos en el alineamiento de elementos verticales del sistema de resistencia sísmica, dentro del mismo plano que los contiene, y estos desplazamientos son mayores que la dimensión horizontal del elemento. Cuando los elementos desplazados solo sostienen la cubierta de la edificación sin otras cargas adicionales de tanques o equipos, se eximen de esta consideración de irregularidad. (ϕ_p: 0.8)

CHEQUEA	SI

5aA - Piso débil — Discontinuidad en la resistencia — Cuando la resistencia del piso es menor del 80 por ciento de la del piso inmediatamente superior pero superior o igual al 65 por ciento, entendiendo la resistencia del piso como la suma de las resistencias de todos los

elementos que comparten el cortante del piso para la dirección considerada, la estructura se considera irregular. (ϕ_p: 0.9)

CHEQUEA	SI

5bA - Piso débil — Discontinuidad extrema en la resistencia — Cuando la resistencia del piso es menor del 65 por ciento de la del piso inmediatamente superior, entendiendo la resistencia del piso como la suma de las resistencias de todos los elementos que comparten el cortante del piso en la dirección considerada, la estructura se considera irregular. (ϕ_p: 0.8)

CHEQUEA	SI

Conclusión: La estructura No tiene irregularidad en altura $\phi_a = 1.0$

6.2.3 AUSENCIA DE REDUNDANCIA EN EL SISTEMA ESTRUCTURAL DE RESISTENCIA SÍSMICA ϕ_r.

A.3.3.8.2 — En edificaciones con un sistema estructural con capacidad de disipación de energía moderada (DMO) y especial (DES) — Para edificaciones cuyo sistema estructural es de un material que cumple los requisitos de capacidad de disipación de energía moderada (DMO) o especial (DES) el valor del factor de reducción de resistencia por ausencia de redundancia en el sistema estructural de resistencia sísmica, ϕ_r , se le puede asignar un valor de la unidad (ϕ_r = 1.0) cuando en todos los pisos que resistan más del 35 por ciento del corte basal en la dirección bajo estudio el sistema estructural de resistencia sísmica cumpla las siguientes condiciones de redundancia:

En sistemas de pórtico resistente a momentos — La pérdida de la resistencia a momento en la conexión viga-columna de los dos extremos de una viga no resulta en una reducción de más del 33 por ciento de la resistencia ante fuerzas horizontales del piso ni produce una irregularidad torsional en planta extrema (Tipo 1bP).

Para este caso, se le asigna un factor de ausencia de redundancia $\phi_r = 0.75$.

6.3 REDUCCIÓN DEL VALOR DE R

Cuando una estructura se clasifique como irregular, el valor del coeficiente de capacidad de disipación de energía R que se utilice en el diseño sísmico de la edificación, debe reducirse multiplicándolo por ϕ_p, debido a irregularidades en planta, por ϕ_a debido a irregularidades en altura, y por ϕ_r debido a ausencia de redundancia, como indica la ecuación A.3.3-1.

$$R = \phi_p \phi_a \phi_r R_o = 1.0 \times 1.0 \times 0.75 \times 7 = 5.25$$

6.4 EVALUACIÓN DE LA CARGA SÍSMICA

El análisis sísmico realizado corresponde al método de Análisis Modal Espectral, utilizando como excitación el espectro definido en el Título A de la norma NSR-10. Para la correcta aplicación de este método, se verifica que el análisis modal cumpla con lo establecido en el literal A.5.4-5 de la norma, asegurando que se excite al menos el 90% de la masa total de la estructura. Asimismo, se comprueba que la fuerza cortante en la base obtenida mediante este método no sea inferior al 90% de la cortante calculada por el método de la Fuerza Horizontal Equivalente (FHE), en caso de que la estructura sea clasificada como irregular según el Capítulo A.3. En el caso de estructuras regulares, dicha cortante no debe ser menor al 80% del valor obtenido por FHE.

6.4.1 MATRIZ DE MASA

La masa total de la edificación (M) debe ser igual a la masa total de la estructura más la masa de aquellos elementos tales como muros divisorios y particiones, equipos permanentes, tanques y sus contenidos, etc. En depósitos o bodegas debe incluirse además un 25 por ciento de la masa correspondiente a los elementos que causan la carga viva del piso, en nuestro caso no aplica.

6.4.2 PERIODO APROXIMADO DE LA ESTRUCTURA

El Periodo fundamental de la estructura aproximado $T_a = C_t h^{\alpha}$ no debe exceder el valor de $C_u T_a$, donde Cu se calcula por medio de la ecuación $C_u = 1.75\text{-}1.2A_vF_v$ y no debe ser menor a 1.20.

Ct:	0.047	Coeficiente dependiente de la estructura
α:	0.90	Parámetro dependiente de la estructura
h:	4	Altura de la estructura [m]
T=Ta en X	0.164	Periodo Fundamental Aprox. [s]
Tcalculado en X	0.149	Periodo Calculado del Analisis Modal [s]
T=Ta en Y	0.164	Periodo Fundamental Aprox. [s]
Tcalculado en Y	0.144	Periodo Calculado del Analisis Modal [s]
A_v:	0.20	Coeficiente de velocidad pico efectiva
F_v:	3.2	Coeficiente amplificación periodos intermedios
C_u:	1.20	coeficiente para calcular el periodo máximo permisible
T_{max} :	0.196	Periodo maximo aproximado de la estructura en X [s]
T_{max} :	0.196	Periodo maximo aproximado de la estructura en Y [s]
T_{ajus} :	0.149	Periodo ajustado en X [seg] $T_{ajus} = min(T_{max}; T_{cal})$
T_{ajus} :	0.144	Periodo ajustado en Y [seg] $T_{ajus} = min(T_{max}; T_{cal})$

6.4.3 MODOS Y PERIODOS DE VIBRACIÓN

Para el análisis se debe llevar a cabo una excitación mayor al 90% de la masa de la estructura en cada una de las direcciones de estudio.

TABLE: Modal Participating Mass Ratios					
Modo	**Periodo**	**UX**	**UY**	**SumUX**	**SumUY**
1	0.149	0.6841	0.0002	0.6841	0.0002
2	0.144	0.0004	0.9301	0.6844	0.9303
3	0.137	0.1943	0.0004	0.8787	0.9306
4	0.127	0.0005	0.0001	0.8792	0.9307
5	0.111	0.0004	0.0624	0.8796	0.9931
6	0.101	0.0263	0.0018	0.9058	0.995
7	0.094	0.0229	0.0003	0.9287	0.9953
8	0.083	0.0695	0.000001088	0.9982	0.9953
9	0.08	0.00003322	0.0014	0.9982	0.9967
10	0.046	0.0005	0	0.9988	0.9967
11	0.04	0	0.0002	0.9988	0.9969
12	0.037	0.0011	5.539E-07	0.9999	0.9969
13	0.035	0	0.0021	0.9999	0.999
14	0.034	0	0.0002	0.9999	0.9992
15	0.033	0	0	0.9999	0.9992

Después de haberse realizado el análisis dinámico, se comprueba que se logra excitar dinámicamente más del 90% de la masa como se exige en el código NSR-10.

6.4.4 CORTANTES EN LA BASE

Para determinar el valor mínimo de la cortante en la base por medio del método del análisis Modal, se debe conocer primero el valor de la cortante en la base por el método de la Fuerza Horizontal Equivalente, empleando la matriz de masa correspondiente a la edificación. El valor de la cortante por el método de la Fuerza Horizontal Equivalente es igual a $V_s = S_a W$.

Sa:	0.997	Valor de Sa correspondiente [g]
W:	29.74	Peso de la estructura [ton]
V_{se}:	29.65	Cortante basal estatica FHE [ton] $V_s = S_a W$
% ajuste	0.8	Estructura regular
V_{sd}:	23.72	Valor mínimo de cortante dinamica [ton]

Por ser una estructura irregular, las cortantes obtenidas en cada dirección de estudio por el método del análisis modal, no deben ser menores al 90% de la cortante calculada por el método de la fuerza horizontal equivalente.



Después de haberse realizado el análisis dinámico, se comprueba que las cortantes en la base cumplen con el valor mínimo estipulado por el código NSR-10.

Factores de corrección.

	V_{basal}	$V_{corregida}$	Factor
X	21.8	24.77	1.1
Y	24.86	24.86	1.0

6.4.5 CALCULO DE DESPLAZAMIENTOS Y DERIVAS

Para el cálculo de los desplazamientos horizontales se siguen los siguientes requerimientos del literal A6.2 de la NSR-10:

A.6.2.1.1 — Cuando se utilice el método de la fuerza horizontal equivalente, las fuerzas horizontales que se empleen para determinar los desplazamientos horizontales y torsionales en el centro de masa pueden calcularse utilizando el periodo, T, que se obtiene por medio de la ecuación A.4.2-1, aplicando el límite de C_uT_a indicado allí, o alternativamente el período T obtenido por alguna de las ecuaciones A.4.2-3 o A.4.2-5.

A.6.2.1.2 — En las edificaciones pertenecientes a los grupos de uso II, III y IV, para la determinación de las fuerzas horizontales que se empleen para calcular los desplazamientos horizontales en el centro de masa, se permite que el coeficiente de importancia I , tenga un valor igual a la unidad (I = 1.0), y las fuerzas de diseño a emplear para obtener la resistencia de la estructura deben utilizar el valor del coeficiente de importancia I correspondiente al grupo de uso de la edificación, tal como se define en A.2.5.2.

Para el chequeo de las derivas empleando el análisis modal espectral, se deben calcular de acuerdo a lo especificado en la ecuación (A.6.3-1) del código NSR-10, obteniendo primero los desplazamientos totales horizontales elásticos de la estructura por piso.

$$\Delta^{i}_{max} = \sqrt{\sum_{j=1}^{2}\left(\delta^{i}_{tot,j} - \delta^{i-1}_{tot,j}\right)^2}$$

La deriva máxima para cualquier piso determinada de acuerdo con el procedimiento de A.6.3.1, no puede exceder los límites establecidos en la tabla A.6.4-1, en la cual la deriva máxima se expresa como un porcentaje de la altura de piso h_{pi}:

Estructuras de:	Deriva máxima
concreto reforzado, metálicas, de madera, y de mampostería que cumplen los requisitos de A.6.4.2.2	$1.0\%\ \left(\Delta^{i}_{max} \leq 0.010\ \ h_{pi}\right)$
de mampostería que cumplen los requisitos de A.6.4.2.3	$0.5\%\ \left(\Delta^{i}_{max} \leq 0.005\ \ h_{pi}\right)$

Tabla A.6.4-1 - Derivas máximas como porcentaje de h_{pi}

6.4.5.1 DERIVAS EN JOINST

6.4.5.2 NIVEL DE VIGAS DE CUBIERTA

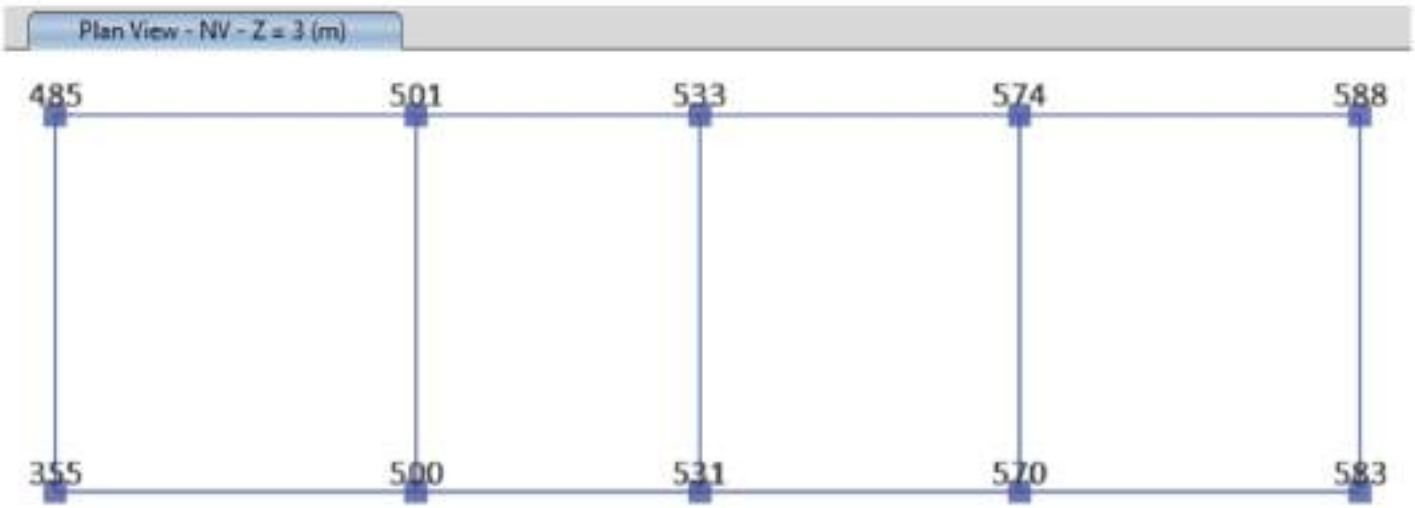


Figura 8. Identificaion de joints de entrepiso (Label).

TABLE: Joint Drifts

Story	Label	Unique Name	Output Case	Case Type	Step Type	Disp X	Disp Y	Drift X	Drift Y
						m	m		
NV	355	228	Seismic_XY	LinRespSpec	Max	0.004824	0.003574	0.001608	0.001191
NV	485	230	Seismic_XY	LinRespSpec	Max	0.003209	0.003567	0.00107	0.001189
NV	500	232	Seismic_XY	LinRespSpec	Max	0.004831	0.005314	0.00161	0.001771
NV	501	234	Seismic_XY	LinRespSpec	Max	0.003211	0.005299	0.00107	0.001766
NV	531	236	Seismic_XY	LinRespSpec	Max	0.004833	0.005792	0.001611	0.001931
NV	533	238	Seismic_XY	LinRespSpec	Max	0.003212	0.005777	0.001071	0.001926
NV	570	240	Seismic_XY	LinRespSpec	Max	0.004834	0.005206	0.001611	0.001735
NV	574	242	Seismic_XY	LinRespSpec	Max	0.003211	0.005191	0.00107	0.00173
NV	583	244	Seismic_XY	LinRespSpec	Max	0.004828	0.00346	0.001609	0.001153
NV	588	246	Seismic_XY	LinRespSpec	Max	0.003209	0.003452	0.00107	0.001151
						Máxima deriva		0.16%	0.19%

De acuerdo con la tabla anterior, se verifica que las derivas de piso no exceden el valor del uno por ciento (1,0%). No obstante, tal como lo establece la NSR-10, las estructuras de un solo piso no están sujetas a límite de deriva, siempre y cuando sus desplazamientos no afecten el adecuado funcionamiento de componentes esenciales o no estructurales.

7 IDENTIFICACIÓN DE ELEMENTOS

7.1 PLANTAS

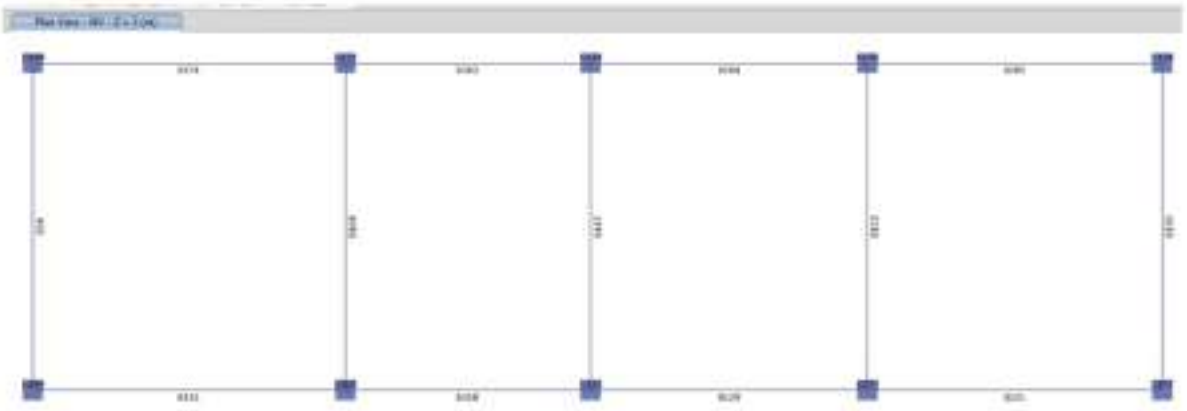


Figura 9. Planta de vigas de cubierta

7.2 ALZADAS

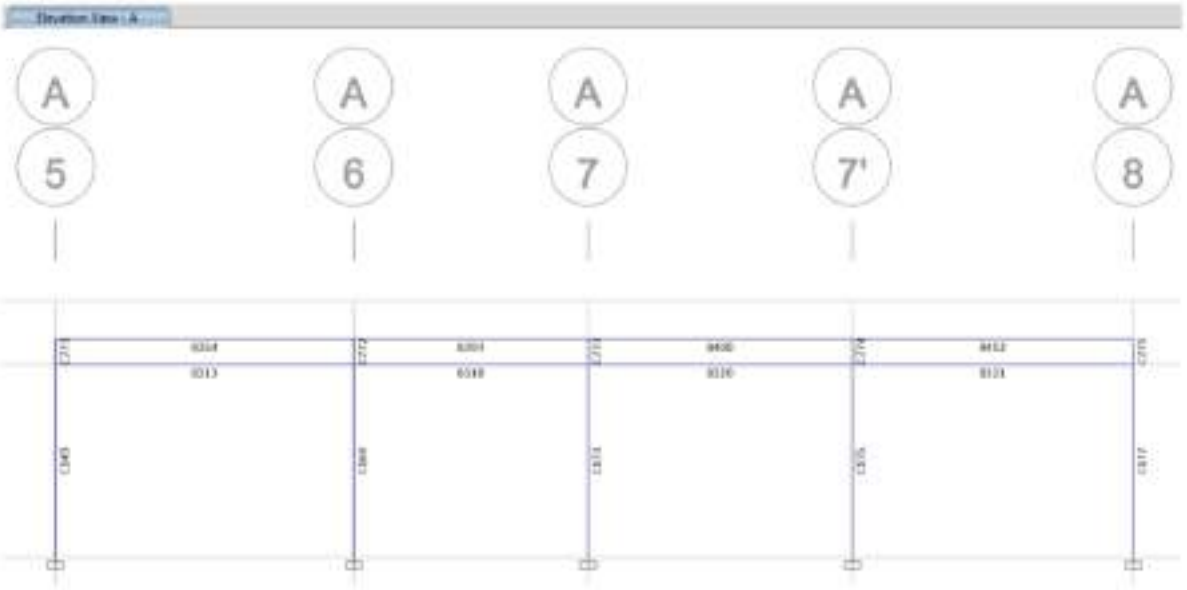


Figura 10. Alzada eje 5

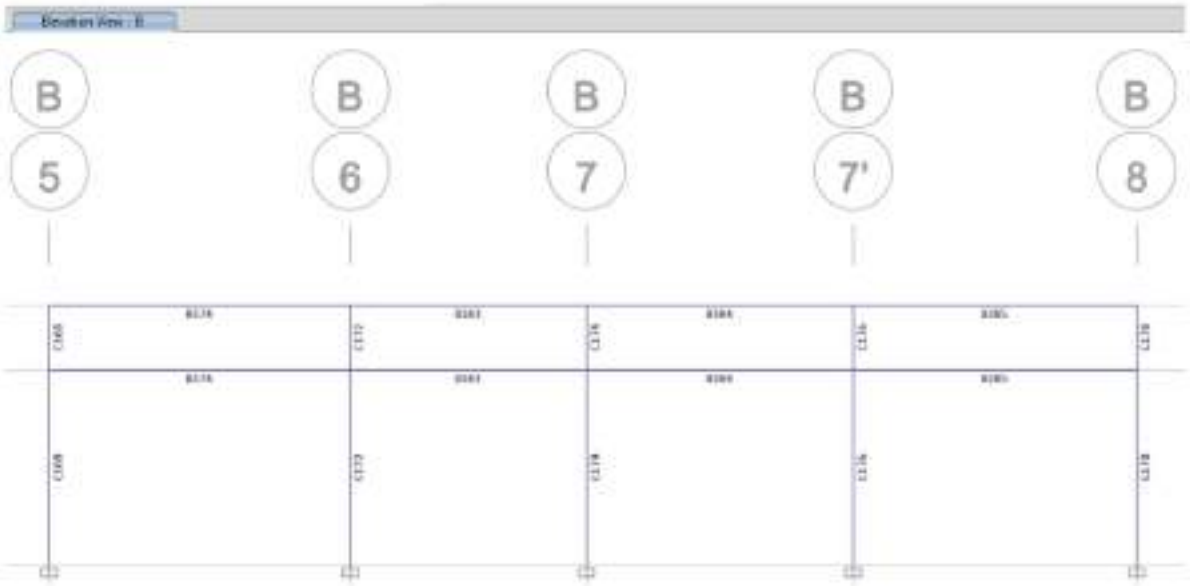


Figura 11. Alzada eje B

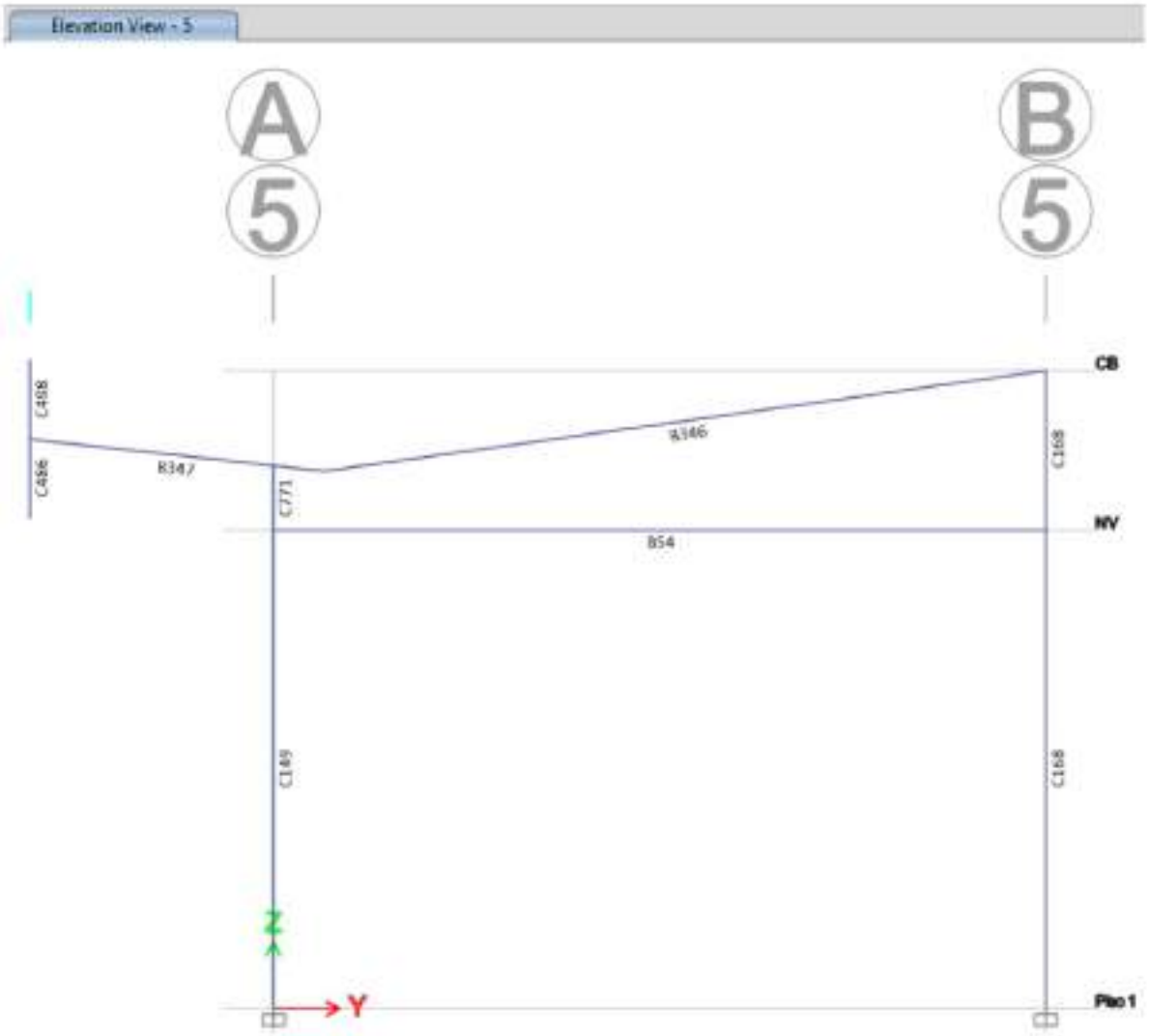


Figura 12. Alzada eje 5

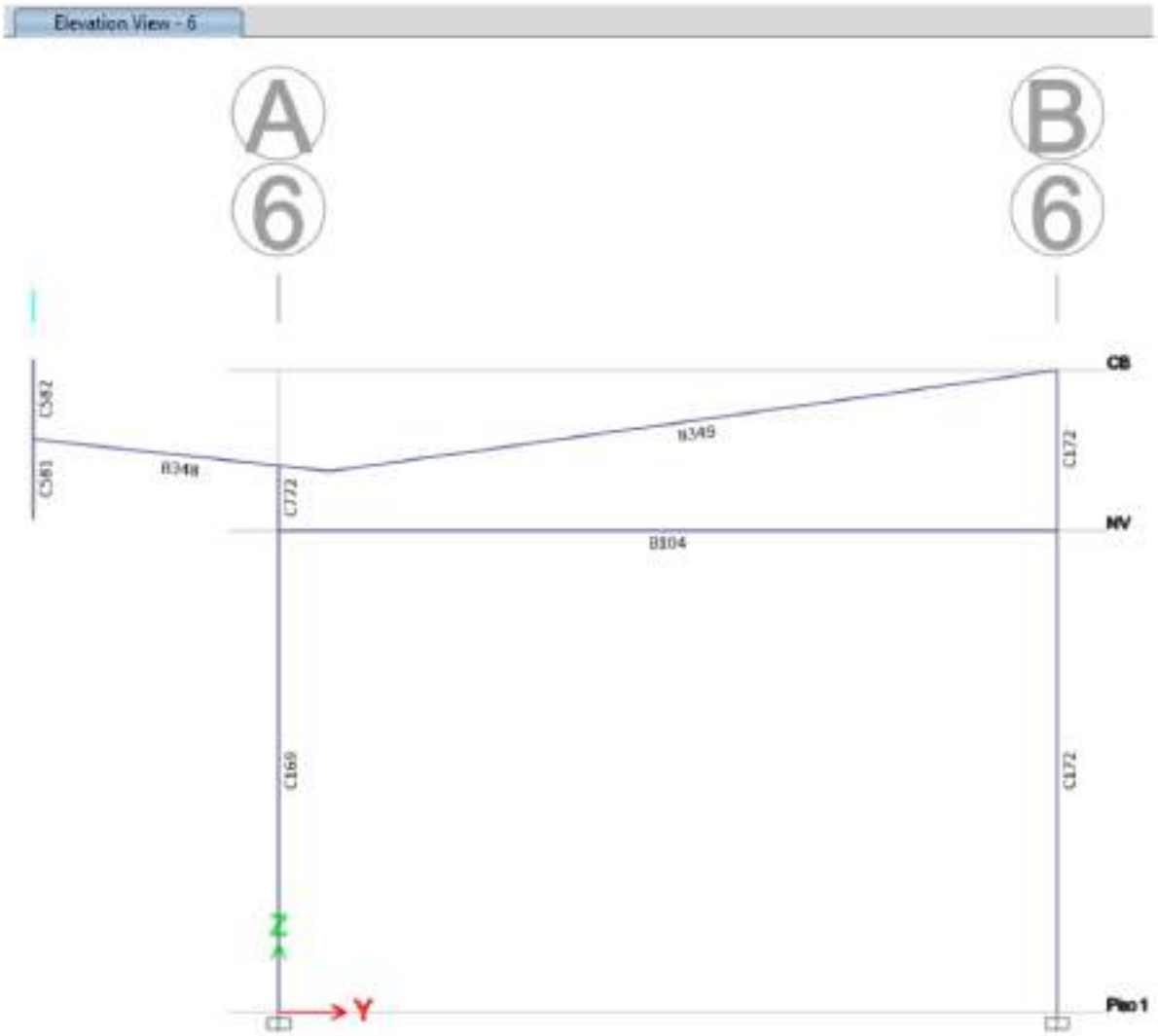


Figura 13. Alzada eje 6

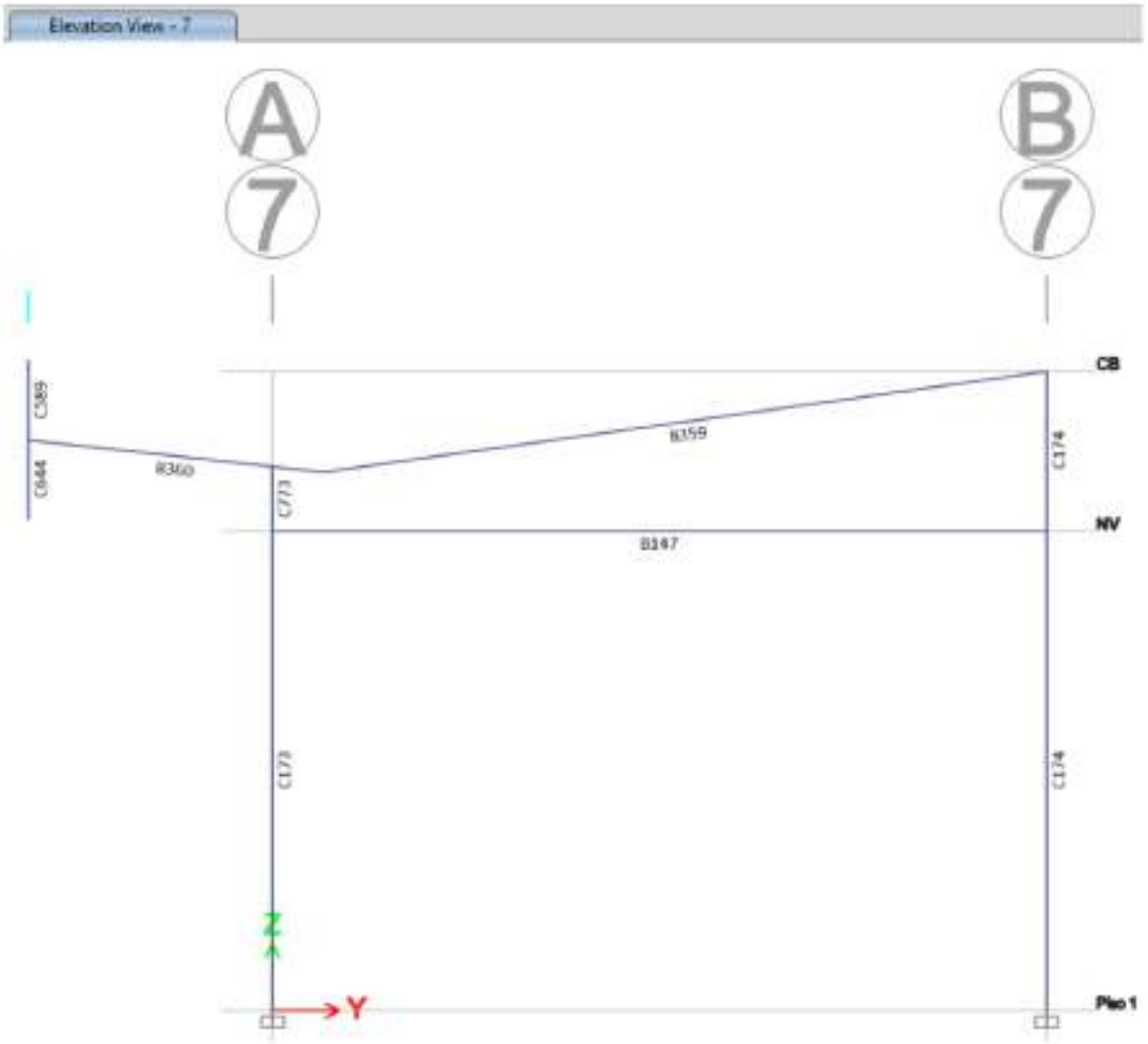


Figura 14. Alzada eje 7

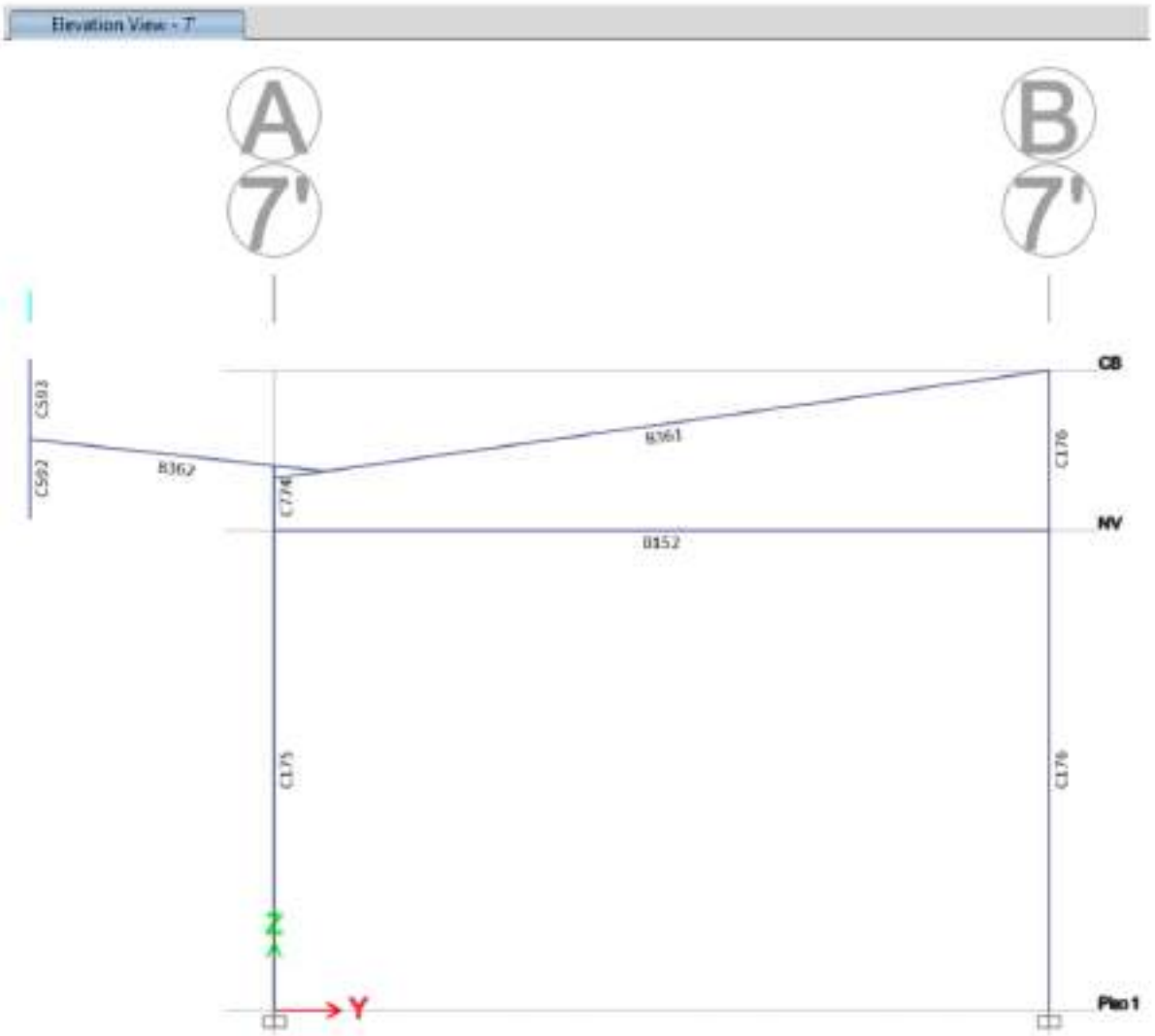


Figura 15. Alzada eje 7'.

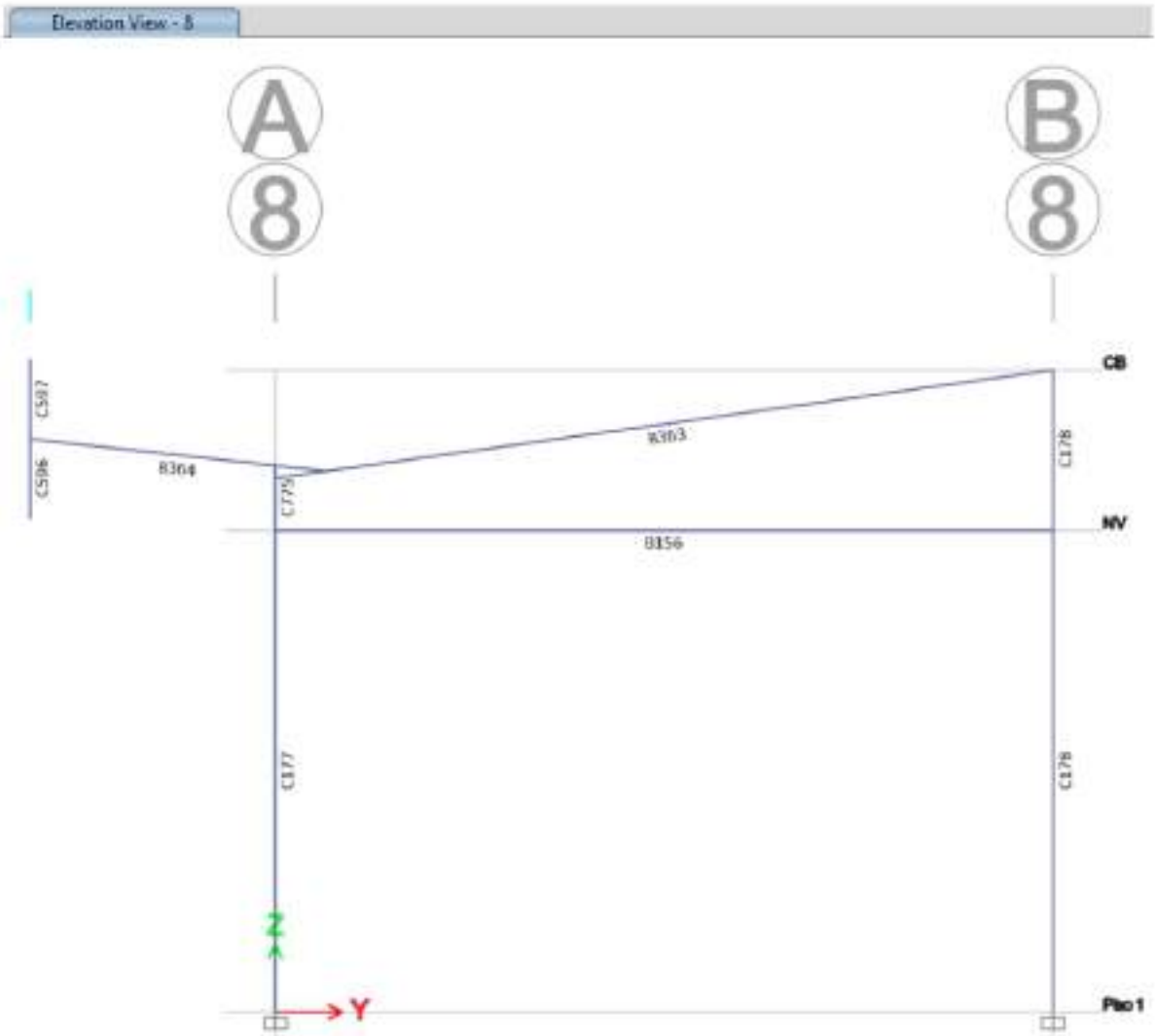


Figura 16. Alzada eje 8.

8 ANEXOS

ANEXO A – ANÁLISIS DE VIENTO

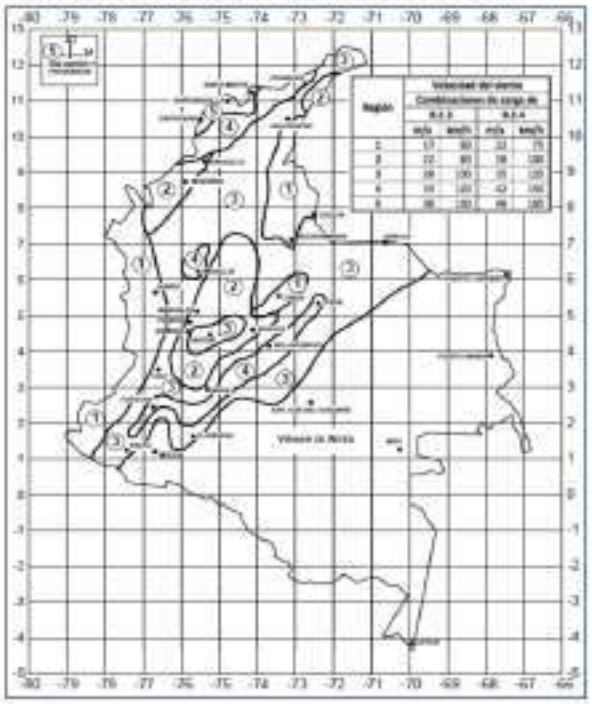
ANEXO A - ANÁLISIS DE VIENTO

- Procedimiento para calcular las fuerzas de viento que actuan sobre los elementos de cubierta.

A.1. - Velocidad básica del viento V.

Región	Velocidad del Viento
1	75 Km/h
2	100 Km/h
3	125 Km/h
4	150 Km/h
5	165 Km/h

- Ciudad: Palmira Valle del Cauca (Rozo)
- Región: 3
- Velocidad del Viento: 125 Km/h
- Altura del edificio h_{pro}: 4.0m



NSR-10. Figura B.6.4-1

A.2. - Factor de dirección de viento Kd.

Tipo de Estructura		Kd
Edificios	Sistema principal de resistencia de cargas de viento	0.85
	Componentes y recubrimientos	0.85
Cubiertas abovedadas		0.85
Chimeneas, tanques y estructuras similares cuadradas		0.9
Chimeneas, tanques y estructuras similares hexagonales		0.95
Chimeneas, tanques y estructuras similares redondas		0.95
Avisos sólidos		0.85
Avisos abiertos y Estructura Rectangular		0.85
Torres en Celosia	Triangular, cuadrada y rectangular	0.85
	Todas las otras secciones transversales	0.95

NSR-10. Tabla B.6.5-4

- Componentes y recubrimientos (perlines) : **Kd:** 0.85

A.3. - Factor de Importancia I.

- De acuerdo al grupo de importancia de la edificación según el literal A.2.5.1 de la NSR-10, el edificio se clasifica en la categoria: II

Categoria	Regiones no propensas a huracanes y regiones con posibilidad de huracanes de V= 40-45 m/s	Regiones con posibilidades de huracanes y V> 45 m/s
I	0.87	0.77
II	1	1
III	1.15	1.15
IV	1.15	1.15

NSR-10. Tabla B.6.5-1

- Región no propensa a huracanes: **I:** 1

A.4. - Categorias de Exposición del Terreno.

- Categorias de rugosidad del terreno. *B.6.5.6.2*

- Rugosidad de terreno B : Áreas urbanas y suburbanas, áreas boscosas u otros terrenos con numerosas obstrucciones del tamaño, iguales o mayores al de una vivienda unifamiliar y con poca separación entre ellas.

- Categorias de exposición. *B.6.5.6.3*

- Exposición B : Aplica cuando la Rugosidad de terreno B prevalece por una distancia de al menos 800m o 20 veces la altura del edifcio, la que sea mayor, en la dirección al viento.

A.5.1. - Casos de Carga de Viento de Diseño.

Caso 1:
a. Todos los componentes y recubrimientos.
b. SPRFV en edificios bajos diseñados usando la Fig. B.6.5-7.

Caso 2:
a. Todos los SPRFV de los edificios excepto aquellos edificios bajos diseñados usando la Fig. B.6.5-6.
b. Todos los SPRFV en otras estructuras.

A.5.2. - Coeficiente de exposición de presión por velocidad Kh. *Tabla B.6.5-3*

Altura sobre el terreno **Z** (m)	Exposición			
	B		C	D
	Caso 1	Caso 2	Casos 1 y 2	Casos 1 y 2
4.5	0.7	0.57	0.85	1.03
6	0.7	0.62	0.9	1.08
7.5	0.7	0.66	0.94	1.12
9	0.7	0.7	0.98	1.16
12	0.76	0.76	1.04	1.22
15	0.81	0.81	1.09	1.27
18	0.85	0.85	1.13	1.31
20	0.89	0.89	1.17	1.34
24.5	0.93	0.93	1.21	1.38
27.5	0.96	0.96	1.24	1.4
30.5	0.99	0.99	1.26	1.43
36.5	1.04	1.04	1.36	1.52
42.5	1.09	1.09	1.36	1.52
49	1.13	1.13	1.39	1.55
55	1.17	1.17	1.43	1.58
60	1.2	1.2	1.46	1.61
76	1.28	1.28	1.53	1.68
90	1.35	1.35	1.59	1.73
107	1.41	1.41	1.64	1.78
122	1.47	1.47	1.69	1.82
137	1.52	1.52	1.73	1.86
152	1.56	1.56	1.77	1.89

Z : 4.00m • Exposición: B Caso : 1 ⟶ K_h : 0.7

A.5.3. - Coeficiente de exposición de presión por velocidad Kz.

Para $4.0\ m \le Z \le Z_g$ $\quad K_z = 2.01\left(\frac{Z}{Z_g}\right)^{2/\alpha}$

Para $Z < 4.0\ m$ $\quad K_z = 2.01\left(\frac{4.0}{Z_g}\right)^{2/\alpha}$

- Coeficientes Z_g, α y Z_{min}. *Tabla B.6.5-2*

Exposición	α	Z_g (m)	Z_{min} (m)
B	7.0	365.8	9.0
C	9.5	274.3	4.5
D	11.5	213.4	2.0

Si **h** ≤ Z_{min}, **Z** debe tomarse como Z_{min}.

Z : 4.00m Exposición B
Z_{min} : 9.00m **α :** 7.00
Z_g : 365.8m

h ≤ Zmin , Use **Z** : 9.00m

Se obtiene → K_z : 0.55

A.6. - Factor Topografico Kzt. *B.6.5.7.2*

- Si la estructura no se encuentra localizada en la mitad superior de una colina o cerca de la cresta de un escarpe. • Factor K_{zt}: 1.00

A.7. - Clasificación de cerramiento del edificio. *B.6.2*

Clasificación del edificio → *Edificio Parcialmente Cerrado*

A.8. - Coeficiente de Presión Interna GCpi. *Fig. B.6.5-2*

	GCp_i	GCp_i
Edificios Abiertos	0	0
Edificios Parcialmente Cerrados	0.55	-0.55
Edificios Cerrados	0.18	-0.18

→ **GCp_i :** 0.55
GCp_i : -0.55

A.9. - Presión por velocidad qh.

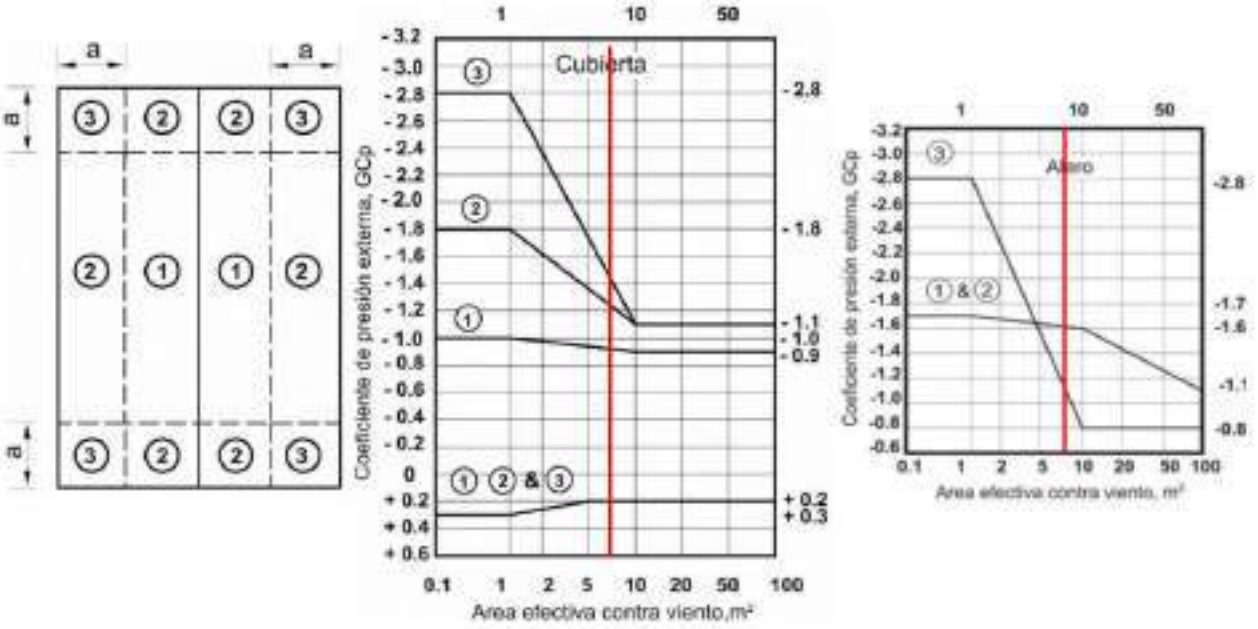
$$q_h = 0.613\ (K_h\ K_{zt}\ K_d\ V^2\ I\ )$$ **q_h :** 446.80 N/m²

A.10. - Coeficiente de Presión Externa GCp.

- Ángulo de inclinación de la cubierta θ: 5.71º *Usar NSR-10 Fig.B.6.5-8B*

- Dimensión Horizontal del edificio perpendicular al viento **B :** 27.64m
- Dimensión Horizontal del edificio paralela al viento **L :** 7.15m
- Separación máxima de correas **S :** 1.50m
- Longitud máxima de correas **Lc :** 5.00m

- Area efectiva del viento por correa **A :** 8.3 m²



a : 10% de la menor dimensión horizontal o 0.4h, la que sea menor. No debe ser menor al 4% de la menor dimensión horizontal o 1.0m. **a :** 1.60m

NSR-10. Figura B.6.5-8B

- Del gráfico de la figura B.6.5-8B obtenemos

Zona	1	2	3	1,2 & 3	Alero
GCp	-0.93	-1.2	-1.4	0.2	-1.7

A.11. - Carga de viento de diseño P.

$$P = q_h\, GC_p - q_h\, (GC_{pi})$$

- Presiones Negativas

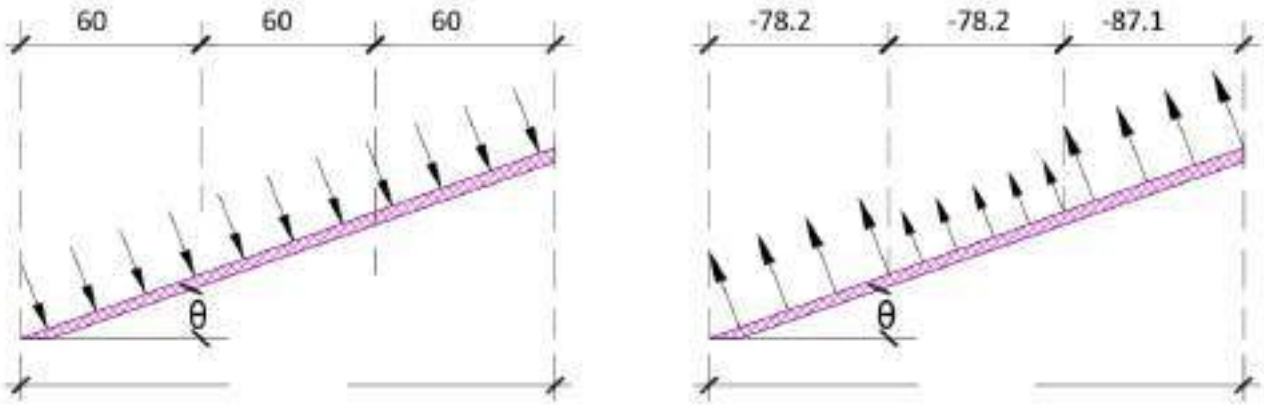
P_1 = -66 Kg /m^2
P_2 = -78.2 Kg /m^2
P_3 = -87.1 Kg /m^2

- Presiones Positivas

P_{min} = 60.0 Kg /m^2

- Diagrama de presiones (Zona General)

Unidades: Kg /m^2

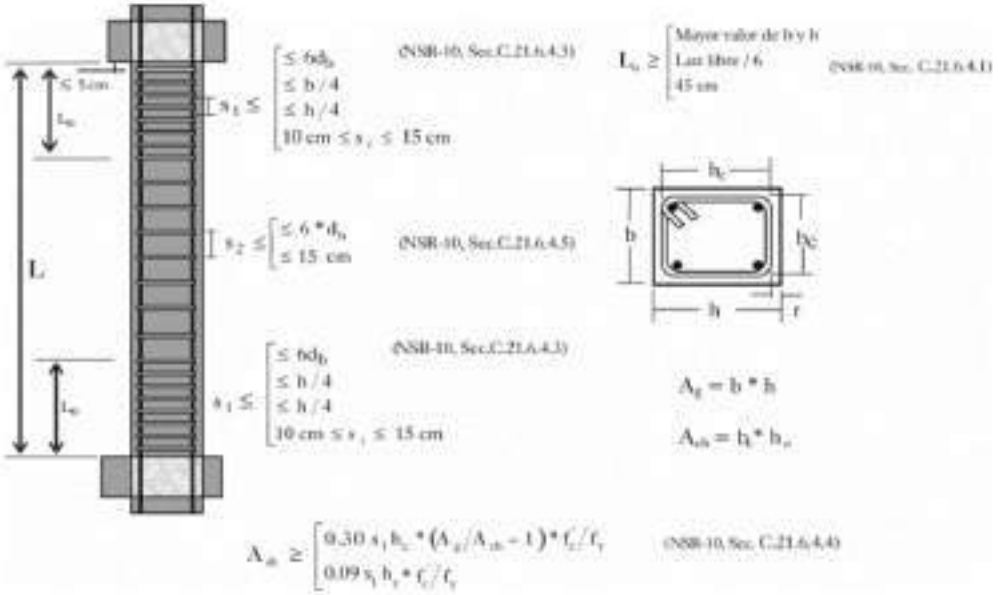


VIENTO

ANEXO B – DISEÑO DE ELEMENTOS ESTRUCTURALES (VIGAS, COLUMNAS)

COLUMNAS DE CONCRETO REFORZADO - REFUERZO TRANSVERSAL C.21

Requisitos del refuerzo transversal para columnas rectangulares en pórticos dúctiles de concreto con demanda especial de ductilidad, DES.



C.21.6.4.4 — Debe proporcionarse refuerzo transversal en las cantidades que se especifican de (a) o (b), a menos que en 21.6.5 se exija mayor cantidad.

(a) La cuantía volumétrica de refuerzo en espiral o de estribos cerrados de confinamiento circulares, ps , no debe ser menor que la requerida por la ecuación (C.21-6):

$$\rho_s = 0.12\frac{f'_c}{F_y} \qquad \text{C.21-6}$$

y no debe ser menor que la requerida por la ecuación (C.10-5).

(b) El área total de la sección transversal del refuerzo de estribos cerrados de confinamiento rectangulares, Ash , no debe ser menor que la requerida por las ecuaciones (C.21-7) y (C.21-8).

$$A_{sh} = 0.3\frac{sb_c f'_c}{f_{yt}}\left[\left(\frac{A_g}{A_{ch}}\right) - 1\right] \qquad \text{C.21-7}$$

$$A_{sh} = 0.09\frac{sb_c f'_c}{f_{yt}} \qquad \text{C.21-8}$$

$$\rho_s = 0.45\left(\frac{A_g}{A_{ch}} - 1\right)\frac{f'_c}{f_{yt}}$$

Donde:

S = Separación de los estribos

bc = Dimensión transversal del nucleo del elemento medido entre los bordes externos del refuerzo transversal con área Ash, mm

Ag = Área bruta de la sección de concreto, mm^2

Ach = Área de la sección transversal de un elemento estructural, medida entre los bordes exteriores del refuerzo transversal, mm^2

Columna	A_{sh} (mm^2) - C.21-7		A_{sh} (mm^2) - C.21-8	Ramas	$A_{suministrado}$ (mm^2)
COL 30x30cm		378	132	3ø1/2"@7.5cm	387

Table: Concrete Column Design Summary - ACI 318-08, Part 1 of 3

Table: Concrete Column Design Summary - ACI 318-08, Part 1 of 3

Story	Label	UniqueName	DesignSect	Station	DesignOpt	Status	PMMRatio	PMMCombo
Unitless	Unitless	Unitless	Unitless	m	Unitless	Unitless	Unitless	Unitless
NV	C149	141	COL 30x30cm	0	Design	No Message		B.2.4-5b
NV	C149	141	COL 30x30cm	1.3	Design	No Message		B.2.4-3b
NV	C149	141	COL 30x30cm	2.6	Design	No Message		B.2.4-5b
NV	C168	142	COL 30x30cm	0	Design	No Message		B.2.4-7b
NV	C168	142	COL 30x30cm	1.3	Design	No Message		B.2.4-5b
NV	C168	142	COL 30x30cm	2.6	Design	No Message		B.2.4-5b
NV	C169	143	COL 30x30cm	0	Design	No Message		B.2.4-7b
NV	C169	143	COL 30x30cm	1.3	Design	No Message		B.2.4-3b
NV	C169	143	COL 30x30cm	2.6	Design	No Message		B.2.4-7b
NV	C172	144	COL 30x30cm	0	Design	No Message		B.2.4-7b
NV	C172	144	COL 30x30cm	1.3	Design	No Message		B.2.4-3b
NV	C172	144	COL 30x30cm	2.6	Design	No Message		B.2.4-7b
NV	C173	145	COL 30x30cm	0	Design	No Message		B.2.4-7b
NV	C173	145	COL 30x30cm	1.3	Design	No Message		B.2.4-3b
NV	C173	145	COL 30x30cm	2.6	Design	No Message		B.2.4-5b
NV	C174	146	COL 30x30cm	0	Design	No Message		B.2.4-7b
NV	C174	146	COL 30x30cm	1.3	Design	No Message		B.2.4-3b
NV	C174	146	COL 30x30cm	2.6	Design	No Message		B.2.4-5b
NV	C175	147	COL 30x30cm	0	Design	No Message		B.2.4-7b
NV	C175	147	COL 30x30cm	1.3	Design	No Message		B.2.4-3b
NV	C175	147	COL 30x30cm	2.6	Design	No Message		B.2.4-7b
NV	C176	148	COL 30x30cm	0	Design	No Message		B.2.4-7b
NV	C176	148	COL 30x30cm	1.3	Design	No Message		B.2.4-3b
NV	C176	148	COL 30x30cm	2.6	Design	No Message		B.2.4-7b
NV	C177	149	COL 30x30cm	0	Design	No Message		B.2.4-7b
NV	C177	149	COL 30x30cm	1.3	Design	No Message		B.2.4-3b
NV	C177	149	COL 30x30cm	2.6	Design	No Message		B.2.4-5b
NV	C178	150	COL 30x30cm	0	Design	No Message		B.2.4-7b
NV	C178	150	COL 30x30cm	1.3	Design	No Message		B.2.4-5b

Table: Concrete Column Design Summary - ACI 318-08, Part 1 of 3

Story	Label	UniqueName	DesignSect	Station	DesignOpt	Status	PMMRatio	PMMCombo
Unitless	Unitless	Unitless	Unitless	m	Unitless	Unitless	Unitless	Unitless
NV	C178	150	COL 30x30cm	2.6	Design	No Message		B.2.4-5b

Table: Concrete Column Design Summary - ACI 318-08, Part 2 of 3

Table: Concrete Column Design Summary - ACI 318-08, Part 2 of 3

Story	Label	UniqueName	Station	AsMin	As	Mid Bar As	CornerBarAs	VMajCombo
Unitless	Unitless	Unitless	m	m²	m²	m²	m²	Unitless
NV	C149	141	0	0.0009	0.0009	0.000113	0.000113	B.2.4-7b
NV	C149	141	1.3	0.0009	0.0009	0.000113	0.000113	B.2.4-7b
NV	C149	141	2.6	0.0009	0.0009	0.000113	0.000113	B.2.4-7b
NV	C168	142	0	0.0009	0.0009	0.000113	0.000113	B.2.4-7b
NV	C168	142	1.3	0.0009	0.0009	0.000113	0.000113	B.2.4-7b
NV	C168	142	2.6	0.0009	0.0009	0.000113	0.000113	B.2.4-7b
NV	C169	143	0	0.0009	0.0009	0.000113	0.000113	B.2.4-7b
NV	C169	143	1.3	0.0009	0.0009	0.000113	0.000113	B.2.4-7b
NV	C169	143	2.6	0.0009	0.0009	0.000113	0.000113	B.2.4-7b
NV	C172	144	0	0.0009	0.0009	0.000113	0.000113	B.2.4-7b
NV	C172	144	1.3	0.0009	0.0009	0.000113	0.000113	B.2.4-7b
NV	C172	144	2.6	0.0009	0.0009	0.000113	0.000113	B.2.4-7b
NV	C173	145	0	0.0009	0.0009	0.000113	0.000113	B.2.4-7b
NV	C173	145	1.3	0.0009	0.0009	0.000113	0.000113	B.2.4-7b
NV	C173	145	2.6	0.0009	0.0009	0.000113	0.000113	B.2.4-7b
NV	C174	146	0	0.0009	0.0009	0.000113	0.000113	B.2.4-7b
NV	C174	146	1.3	0.0009	0.0009	0.000113	0.000113	B.2.4-7b
NV	C174	146	2.6	0.0009	0.0009	0.000113	0.000113	B.2.4-7b
NV	C175	147	0	0.0009	0.0009	0.000113	0.000113	B.2.4-7b
NV	C175	147	1.3	0.0009	0.0009	0.000113	0.000113	B.2.4-7b
NV	C175	147	2.6	0.0009	0.0009	0.000113	0.000113	B.2.4-7b
NV	C176	148	0	0.0009	0.0009	0.000113	0.000113	B.2.4-7b
NV	C176	148	1.3	0.0009	0.0009	0.000113	0.000113	B.2.4-7b
NV	C176	148	2.6	0.0009	0.0009	0.000113	0.000113	B.2.4-7b
NV	C177	149	0	0.0009	0.0009	0.000113	0.000113	B.2.4-7b
NV	C177	149	1.3	0.0009	0.0009	0.000113	0.000113	B.2.4-7b
NV	C177	149	2.6	0.0009	0.0009	0.000113	0.000113	B.2.4-7b
NV	C178	150	0	0.0009	0.0009	0.000113	0.000113	B.2.4-7b
NV	C178	150	1.3	0.0009	0.0009	0.000113	0.000113	B.2.4-7b
NV	C178	150	2.6	0.0009	0.0009	0.000113	0.000113	B.2.4-7b

Table: Concrete Column Design Summary - ACI 318-08, Part 3 of 3

Table: Concrete Column Design Summary - ACI 318-08, Part 3 of 3

Story	Label	UniqueName	Station	VMajRebar	VMinCombo	VMinRebar	WarnMsg	ErrMsg
Unitless	Unitless	Unitless	m	m²/m	Unitless	m²/m	Unitless	Unitless
NV	C149	141	0	0.00025	B.2.4-7b	0.00025	No Message	No Message
NV	C149	141	1.3	0.00025	B.2.4-7b	0.00025	No Message	No Message
NV	C149	141	2.6	0.00025	B.2.4-7b	0.00025	No Message	No Message
NV	C168	142	0	0.00025	B.2.4-7b	0.00025	No Message	No Message
NV	C168	142	1.3	0.00025	B.2.4-7b	0.00025	No Message	No Message
NV	C168	142	2.6	0.00025	B.2.4-7b	0.00025	No Message	No Message
NV	C169	143	0	0.00025	B.2.4-7b	0.00025	No Message	No Message
NV	C169	143	1.3	0.00025	B.2.4-7b	0.00025	No Message	No Message
NV	C169	143	2.6	0.00025	B.2.4-7b	0.00025	No Message	No Message
NV	C172	144	0	0.00025	B.2.4-7b	0.00025	No Message	No Message

Table: Concrete Column Design Summary - ACI 318-08, Part 3 of 3

Story	Label	UniqueName	Station	VMajRebar	VMinCombo	VMinRebar	WarnMsg	ErrMsg
Unitless	Unitless	Unitless	m	m²/m	Unitless	m²/m	Unitless	Unitless
NV	C172	144	1.3	0.00025	B.2.4-7b	0.00025	No Message	No Message
NV	C172	144	2.6	0.00025	B.2.4-7b	0.00025	No Message	No Message
NV	C173	145	0	0.00025	B.2.4-7b	0.00025	No Message	No Message
NV	C173	145	1.3	0.00025	B.2.4-7b	0.00025	No Message	No Message
NV	C173	145	2.6	0.00025	B.2.4-7b	0.00025	No Message	No Message
NV	C174	146	0	0.00025	B.2.4-7b	0.00025	No Message	No Message
NV	C174	146	1.3	0.00025	B.2.4-7b	0.00025	No Message	No Message
NV	C174	146	2.6	0.00025	B.2.4-7b	0.00025	No Message	No Message
NV	C175	147	0	0.00025	B.2.4-7b	0.00025	No Message	No Message
NV	C175	147	1.3	0.00025	B.2.4-7b	0.00025	No Message	No Message
NV	C175	147	2.6	0.00025	B.2.4-7b	0.00025	No Message	No Message
NV	C176	148	0	0.00025	B.2.4-7b	0.00025	No Message	No Message
NV	C176	148	1.3	0.00025	B.2.4-7b	0.00025	No Message	No Message
NV	C176	148	2.6	0.00025	B.2.4-7b	0.00025	No Message	No Message
NV	C177	149	0	0.00025	B.2.4-7b	0.00025	No Message	No Message
NV	C177	149	1.3	0.00025	B.2.4-7b	0.00025	No Message	No Message
NV	C177	149	2.6	0.00025	B.2.4-7b	0.00025	No Message	No Message
NV	C178	150	0	0.00025	B.2.4-7b	0.00025	No Message	No Message
NV	C178	150	1.3	0.00025	B.2.4-7b	0.00025	No Message	No Message
NV	C178	150	2.6	0.00025	B.2.4-7b	0.00025	No Message	No Message

Table: Concrete Column PMM Envelope - ACI 318-08, Part 1 of 2

Table: Concrete Column PMM Envelope - ACI 318-08, Part 1 of 2

Story	Label	UniqueName	Section	Location	P	M Major	M Minor	PMM Combo
Unitless	Unitless	Unitless	Unitless	Unitless	kgf	kgf-m	kgf-m	Unitless
NV	C149	141	COL 30x30cm	Top	2086.18	1067.95	1004.25	B.2.4-5b
NV	C149	141	COL 30x30cm	Bottom	2760.88	-1219.58	-1419.41	B.2.4-5b
NV	C168	142	COL 30x30cm	Top	1580.6	1022.71	-955.82	B.2.4-5b
NV	C168	142	COL 30x30cm	Bottom	1568.56	-1942.89	1007.56	B.2.4-7b
NV	C169	143	COL 30x30cm	Top	2448.46	934.4	1237.79	B.2.4-7b
NV	C169	143	COL 30x30cm	Bottom	2954.48	1733.4	-1179.1	B.2.4-7b
NV	C172	144	COL 30x30cm	Top	1485.01	794.64	-1102.43	B.2.4-7b
NV	C172	144	COL 30x30cm	Bottom	1991.04	2286.15	1181.24	B.2.4-7b
NV	C173	145	COL 30x30cm	Top	3256.94	1255.9	1078.79	B.2.4-5b
NV	C173	145	COL 30x30cm	Bottom	2823.94	1817.13	-1212.65	B.2.4-7b
NV	C174	146	COL 30x30cm	Top	2274.51	-1154.11	-1124.89	B.2.4-5b
NV	C174	146	COL 30x30cm	Bottom	2086.65	2366.66	1222.7	B.2.4-7b
NV	C175	147	COL 30x30cm	Top	2502.58	-983.64	1207.75	B.2.4-7b
NV	C175	147	COL 30x30cm	Bottom	3008.6	1797.16	-1165.84	B.2.4-7b
NV	C176	148	COL 30x30cm	Top	1503.14	-853.04	-1109.27	B.2.4-7b
NV	C176	148	COL 30x30cm	Bottom	2009.17	2313.74	1166.19	B.2.4-7b
NV	C177	149	COL 30x30cm	Top	1996.24	-1040.18	966.19	B.2.4-5b
NV	C177	149	COL 30x30cm	Bottom	1867.89	1486.5	-956.21	B.2.4-7b
NV	C178	150	COL 30x30cm	Top	1544.28	-999.09	-942.36	B.2.4-5b
NV	C178	150	COL 30x30cm	Bottom	1541.67	1862.18	992.49	B.2.4-7b

Table: Concrete Column PMM Envelope - ACI 318-08, Part 2 of 2

Table: Concrete Column PMM Envelope - ACI 318-08, Part 2 of 2

Story	Label	UniqueName	Location	PMM Ratio or Rebar %
Unitless	Unitless	Unitless	Unitless	Unitless
NV	C149	141	Top	1 %
NV	C149	141	Bottom	1 %
NV	C168	142	Top	1 %
NV	C168	142	Bottom	1 %
NV	C169	143	Top	1 %
NV	C169	143	Bottom	1 %
NV	C172	144	Top	1 %
NV	C172	144	Bottom	1 %
NV	C173	145	Top	1 %

Table: Concrete Column PMM Envelope - ACI 318-08, Part 2 of 2

Story	Label	UniqueName	Location	PMM Ratio or Rebar %
Unitless	Unitless	Unitless	Unitless	Unitless
NV	C173	145	Bottom	1 %
NV	C174	146	Top	1 %
NV	C174	146	Bottom	1 %
NV	C175	147	Top	1 %
NV	C175	147	Bottom	1 %
NV	C176	148	Top	1 %
NV	C176	148	Bottom	1 %
NV	C177	149	Top	1 %
NV	C177	149	Bottom	1 %
NV	C178	150	Top	1 %
NV	C178	150	Bottom	1 %

Table: Concrete Column Shear Envelope - ACI 318-08, Part 1 of 2

Table: Concrete Column Shear Envelope - ACI 318-08, Part 1 of 2

Story	Label	UniqueName	Section	Location	V Major	V Major Combo	At Major	V Minor
Unitless	Unitless	Unitless	Unitless	Unitless	kgf	Unitless	m²/m	kgf
NV	C149	141	COL 30x30cm	Top	1355.81	B.2.4-7b	0.00025	1361.89
NV	C149	141	COL 30x30cm	Bottom	1355.81	B.2.4-7b	0.00025	1361.89
NV	C168	142	COL 30x30cm	Top	1180.42	B.2.4-7b	0.00025	1110.27
NV	C168	142	COL 30x30cm	Bottom	1180.42	B.2.4-7b	0.00025	1110.27
NV	C169	143	COL 30x30cm	Top	1499.63	B.2.4-7b	0.00025	1677.5
NV	C169	143	COL 30x30cm	Bottom	1499.63	B.2.4-7b	0.00025	1677.5
NV	C172	144	COL 30x30cm	Top	987.49	B.2.4-7b	0.00025	1272.14
NV	C172	144	COL 30x30cm	Bottom	987.49	B.2.4-7b	0.00025	1272.14
NV	C173	145	COL 30x30cm	Top	1704.48	B.2.4-7b	0.00025	1694.53
NV	C173	145	COL 30x30cm	Bottom	1704.48	B.2.4-7b	0.00025	1694.53
NV	C174	146	COL 30x30cm	Top	1333.36	B.2.4-7b	0.00025	1296.4
NV	C174	146	COL 30x30cm	Bottom	1333.36	B.2.4-7b	0.00025	1296.4
NV	C175	147	COL 30x30cm	Top	1528.22	B.2.4-7b	0.00025	1636.93
NV	C175	147	COL 30x30cm	Bottom	1528.22	B.2.4-7b	0.00025	1636.93
NV	C176	148	COL 30x30cm	Top	1064.59	B.2.4-7b	0.00025	1280.02
NV	C176	148	COL 30x30cm	Bottom	1064.59	B.2.4-7b	0.00025	1280.02
NV	C177	149	COL 30x30cm	Top	1321.33	B.2.4-7b	0.00025	1310.42
NV	C177	149	COL 30x30cm	Bottom	1321.33	B.2.4-7b	0.00025	1310.42
NV	C178	150	COL 30x30cm	Top	1153.23	B.2.4-7b	0.00025	1108.34
NV	C178	150	COL 30x30cm	Bottom	1153.23	B.2.4-7b	0.00025	1108.34

Table: Concrete Column Shear Envelope - ACI 318-08, Part 2 of 2

Table: Concrete Column Shear Envelope - ACI 318-08, Part 2 of 2

Story	Label	UniqueName	Location	V Minor Combo	At Minor
Unitless	Unitless	Unitless	Unitless	Unitless	m²/m
NV	C149	141	Top	B.2.4-7b	0.00025
NV	C149	141	Bottom	B.2.4-7b	0.00025
NV	C168	142	Top	B.2.4-7b	0.00025
NV	C168	142	Bottom	B.2.4-7b	0.00025
NV	C169	143	Top	B.2.4-7b	0.00025

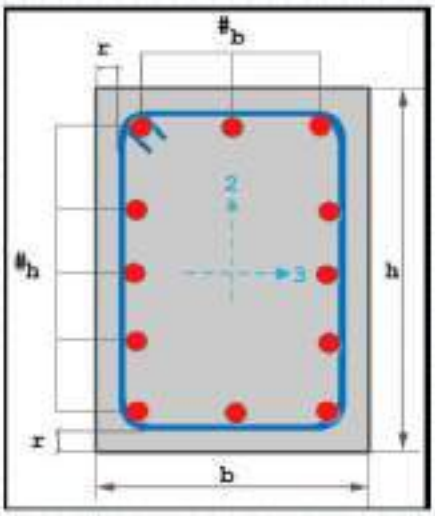
Table: Concrete Column Shear Envelope - ACI 318-08, Part 2 of 2

Story	Label	UniqueName	Location	V Minor Combo	At Minor
Unitless	Unitless	Unitless	Unitless	Unitless	m²/m
NV	C169	143	Bottom	B.2.4-7b	0.00025
NV	C172	144	Top	B.2.4-7b	0.00025
NV	C172	144	Bottom	B.2.4-7b	0.00025
NV	C173	145	Top	B.2.4-7b	0.00025
NV	C173	145	Bottom	B.2.4-7b	0.00025
NV	C174	146	Top	B.2.4-7b	0.00025
NV	C174	146	Bottom	B.2.4-7b	0.00025
NV	C175	147	Top	B.2.4-7b	0.00025
NV	C175	147	Bottom	B.2.4-7b	0.00025
NV	C176	148	Top	B.2.4-7b	0.00025
NV	C176	148	Bottom	B.2.4-7b	0.00025
NV	C177	149	Top	B.2.4-7b	0.00025
NV	C177	149	Bottom	B.2.4-7b	0.00025
NV	C178	150	Top	B.2.4-7b	0.00025
NV	C178	150	Bottom	B.2.4-7b	0.00025

	CHEQUEO MANUAL DE COLUMNAS	

DIAGRAMA DE INTERACIÓN DE COLUMNAS RECTANGULARES PM2, PM3 Y 3D

A) Materiales



Concreto $f'_c := 280\ \frac{kgf}{cm^2}$

Acero de refuerzo $f_y := 4200\ \frac{kgf}{cm^2}$

Módulo de elasticidad $E_s := 2030000\ \frac{kgf}{cm^2}$

B) Dimensiones

Altura $h := 30\ cm$

Ancho $b := 30\ cm$

Recubrimiento al estribo $r := 4\ cm$

C) Refuerzo

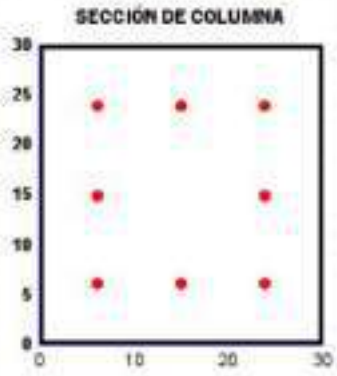
Número de Barras Dirección b $\#_b := 3$

Número de Barras Dirección h $\#_h := 3$

Diámetro Barras de Refuerzo Longitudinal $d_{be} := \frac{5}{8}\ in$

Acero transversal (Diámetro de Estribo) $d_v := \frac{1}{2}\ in$

D) DATOS ingresados



- Refuerzo Longitudinal: $\phi_{longitudinal} = 8$ **barras**

  Diámetro: $d_{be} = 15.875\ mm$

- Refuerzo Transversal: $d_v = 12.7\ mm$

- Cuantía $\rho = 1.759\%$ $V_{verificacion} = \text{"ok"}$

SOLICITACIÓN DE FUERZA AXIAL Y MOMENTO

1. Resistencia requerida

Fuerza Axial

$P_u := [4.86]\ tonnef$

Momento

Dirección 2 $M_{uy} := [-0.59]\ tonnef \cdot m$

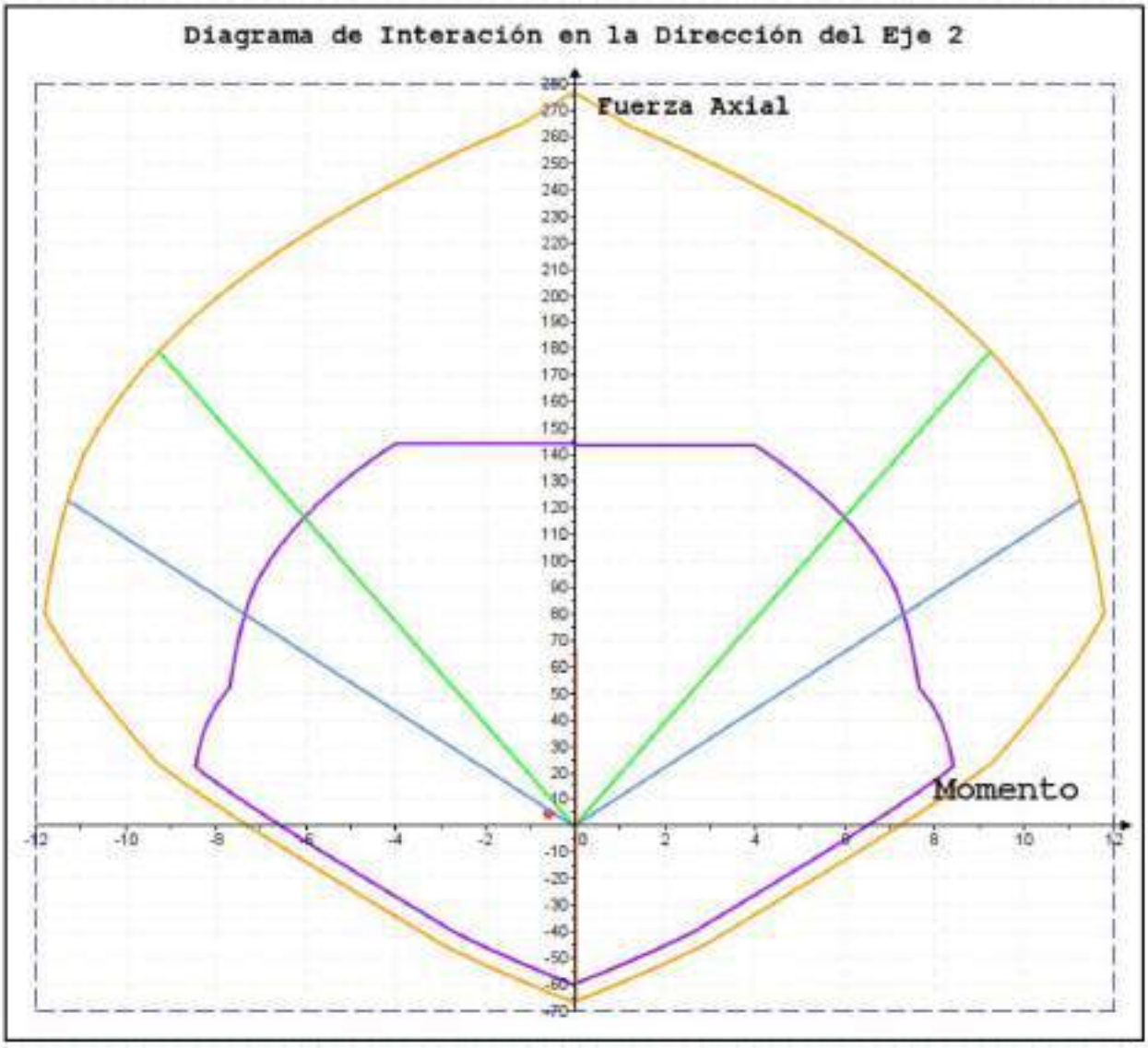
Dirección 3 $M_{ux} := [2.4]\ tonnef \cdot m$

DIAGRAMA DE INTERACIÓN UNIAXIAL EJE 2

UNIDADES PARA EL DIAGRAMA DE INTERACCIÓN EN EL EJE 2

Fuerza Axial $Fuerza := tonnef$

Momento $Momento := tonnef \cdot m$



LEYENDA:

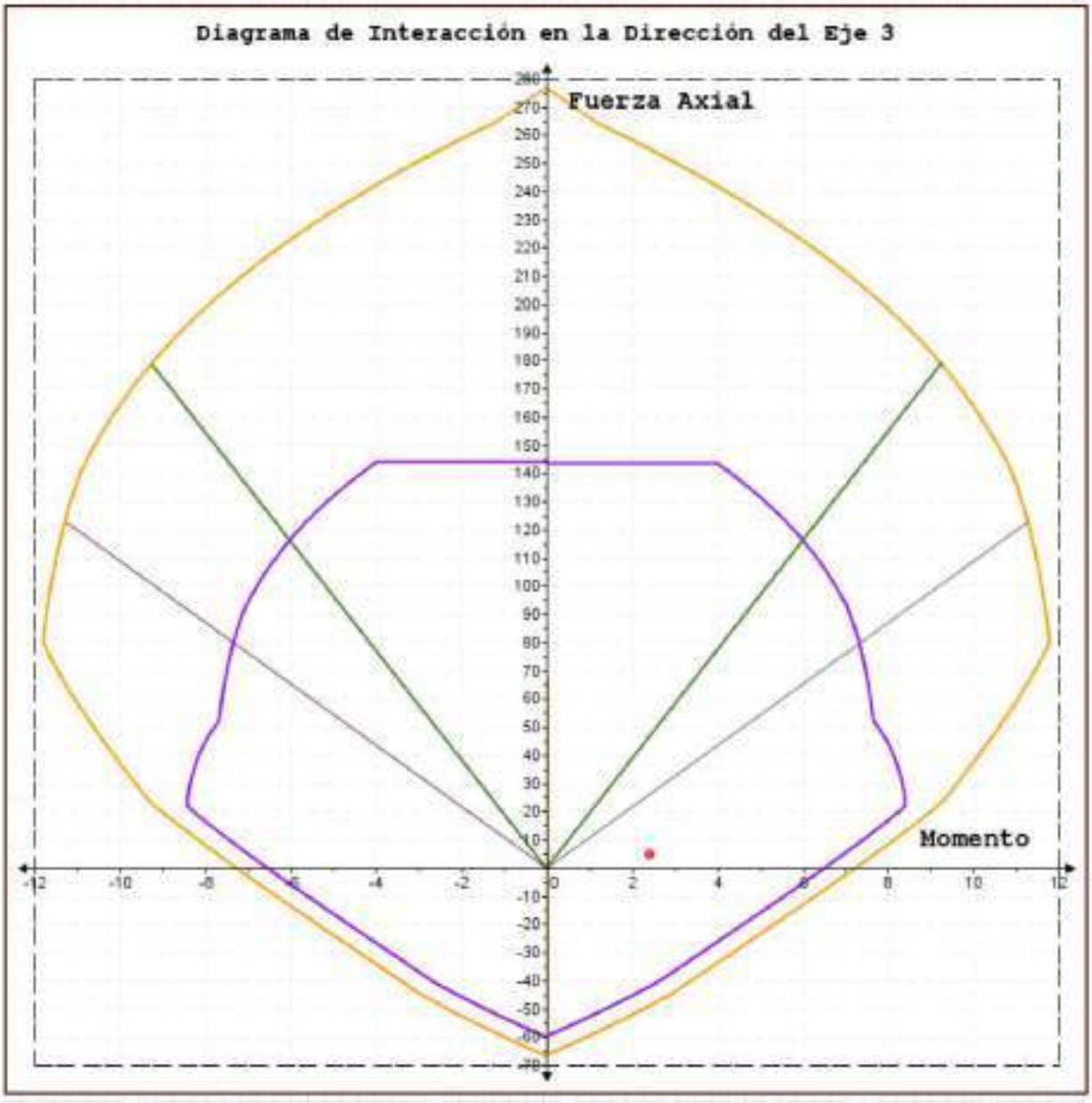
Curva sin ϕ

Curva con ϕ

DIAGRAMA DE INTERACIÓN UNIAXIAL EJE 3

UNIDADES PARA EL DIAGRAMA DE INTERACCIÓN EN EL EJE 3

- Fuerza Axial — *Fuerza* = **tonnef**
- Momento — *Momento* = **tonnef·m**



LEYENDA:

Curva sin ϕ

Curva con ϕ

Table: Concrete Beam Design Summary - ACI 318-08, Part 1 of 4

Table: Concrete Beam Design Summary - ACI 318-08, Part 1 of 4

Story	Label	UniqueName	DesignSect	Station	Status	AsTopCombo	AsMinTop	AsTop
Unitless	Unitless	Unitless	Unitless	m	Unitless	Unitless	m²	m²
NV	B54	195	V(30x40)	0.15	No Message	B.2.4-5b	0.000128	0.000128
NV	B54	195	V(30x40)	0.605	No Message	B.2.4-5b	7.7E-05	7.7E-05
NV	B54	195	V(30x40)	1.06	No Message	B.2.4-7b	4E-05	4E-05
NV	B54	195	V(30x40)	1.515	No Message	B.2.4-5b	3.4E-05	3.4E-05
NV	B54	195	V(30x40)	1.97	No Message	B.2.4-5b	3.4E-05	3.4E-05
NV	B54	195	V(30x40)	2.425	No Message	B.2.4-5b	3.4E-05	3.4E-05
NV	B54	195	V(30x40)	2.88	No Message	B.2.4-5b	3.4E-05	3.4E-05
NV	B54	195	V(30x40)	3.335	No Message	B.2.4-5b	3.4E-05	3.4E-05
NV	B54	195	V(30x40)	3.79	No Message	B.2.4-7b	3.5E-05	3.5E-05
NV	B54	195	V(30x40)	4.245	No Message	B.2.4-5b	7.2E-05	7.2E-05
NV	B54	195	V(30x40)	4.7	No Message	B.2.4-5b	0.000122	0.000122
NV	B104	196	V(30x40)	0.15	No Message	B.2.4-5b	0.000158	0.000158
NV	B104	196	V(30x40)	0.605	No Message	B.2.4-5b	0.000103	0.000103
NV	B104	196	V(30x40)	1.06	No Message	B.2.4-7b	5.9E-05	5.9E-05
NV	B104	196	V(30x40)	1.515	No Message	B.2.4-5b	4.5E-05	4.5E-05
NV	B104	196	V(30x40)	1.97	No Message	B.2.4-5b	4.5E-05	4.5E-05
NV	B104	196	V(30x40)	2.425	No Message	B.2.4-5b	4.5E-05	4.5E-05
NV	B104	196	V(30x40)	2.88	No Message	B.2.4-5b	4.5E-05	4.5E-05
NV	B104	196	V(30x40)	3.335	No Message	B.2.4-5b	4.5E-05	4.5E-05
NV	B104	196	V(30x40)	3.79	No Message	B.2.4-7b	4.8E-05	4.8E-05
NV	B104	196	V(30x40)	4.245	No Message	B.2.4-5b	8.8E-05	8.8E-05
NV	B104	196	V(30x40)	4.7	No Message	B.2.4-5b	0.000141	0.000141
NV	B147	197	V(30x40)	0.15	No Message	B.2.4-5b	0.00016	0.00016
NV	B147	197	V(30x40)	0.605	No Message	B.2.4-5b	0.000104	0.000104
NV	B147	197	V(30x40)	1.06	No Message	B.2.4-7b	5.9E-05	5.9E-05
NV	B147	197	V(30x40)	1.515	No Message	B.2.4-5b	4.4E-05	4.4E-05
NV	B147	197	V(30x40)	1.97	No Message	B.2.4-5b	4.4E-05	4.4E-05
NV	B147	197	V(30x40)	2.425	No Message	B.2.4-5b	4.4E-05	4.4E-05
NV	B147	197	V(30x40)	2.88	No Message	B.2.4-5b	4.4E-05	4.4E-05
NV	B147	197	V(30x40)	3.335	No Message	B.2.4-5b	4.4E-05	4.4E-05
NV	B147	197	V(30x40)	3.79	No Message	B.2.4-7b	4.9E-05	4.9E-05
NV	B147	197	V(30x40)	4.245	No Message	B.2.4-5b	9E-05	9E-05
NV	B147	197	V(30x40)	4.7	No Message	B.2.4-5b	0.000143	0.000143
NV	B152	198	V(30x40)	0.15	No Message	B.2.4-5b	0.000154	0.000154
NV	B152	198	V(30x40)	0.605	No Message	B.2.4-5b	0.0001	0.0001
NV	B152	198	V(30x40)	1.06	No Message	B.2.4-7b	5.7E-05	5.7E-05
NV	B152	198	V(30x40)	1.515	No Message	B.2.4-5b	4.4E-05	4.4E-05
NV	B152	198	V(30x40)	1.97	No Message	B.2.4-5b	4.4E-05	4.4E-05
NV	B152	198	V(30x40)	2.425	No Message	B.2.4-5b	4.4E-05	4.4E-05
NV	B152	198	V(30x40)	2.88	No Message	B.2.4-5b	4.4E-05	4.4E-05
NV	B152	198	V(30x40)	3.335	No Message	B.2.4-5b	4.4E-05	4.4E-05
NV	B152	198	V(30x40)	3.79	No Message	B.2.4-7b	4.8E-05	4.8E-05
NV	B152	198	V(30x40)	4.245	No Message	B.2.4-5b	8.9E-05	8.9E-05
NV	B152	198	V(30x40)	4.7	No Message	B.2.4-5b	0.000141	0.000141
NV	B156	199	V(30x40)	0.15	No Message	B.2.4-5b	0.000123	0.000123
NV	B156	199	V(30x40)	0.605	No Message	B.2.4-5b	7.3E-05	7.3E-05
NV	B156	199	V(30x40)	1.06	No Message	B.2.4-7b	3.7E-05	3.7E-05
NV	B156	199	V(30x40)	1.515	No Message	B.2.4-5b	3.3E-05	3.3E-05
NV	B156	199	V(30x40)	1.97	No Message	B.2.4-5b	3.3E-05	3.3E-05
NV	B156	199	V(30x40)	2.425	No Message	B.2.4-5b	3.3E-05	3.3E-05
NV	B156	199	V(30x40)	2.88	No Message	B.2.4-5b	3.3E-05	3.3E-05
NV	B156	199	V(30x40)	3.335	No Message	B.2.4-5b	3.3E-05	3.3E-05

Table: Concrete Beam Design Summary - ACI 318-08, Part 1 of 4

Story	Label	UniqueName	DesignSect	Station	Status	AsTopCombo	AsMinTop	AsTop
Unitless	Unitless	Unitless	Unitless	m	Unitless	Unitless	m^2	m^2
NV	B156	199	V(30x40)	3.79	No Message	B.2.4-7b	3.5E-05	3.5E-05
NV	B156	199	V(30x40)	4.245	No Message	B.2.4-5b	7.2E-05	7.2E-05
NV	B156	199	V(30x40)	4.7	No Message	B.2.4-5b	0.000122	0.000122
NV	B313	202	V(30x40)	0.15	No Message	B.2.4-5b	0.000127	0.000127
NV	B313	202	V(30x40)	0.63333	No Message	B.2.4-5b	7.7E-05	7.7E-05
NV	B313	202	V(30x40)	1.11667	No Message	B.2.4-7b	3.9E-05	3.9E-05
NV	B313	202	V(30x40)	1.6	No Message	B.2.4-5b	3.6E-05	3.6E-05
NV	B313	202	V(30x40)	2.08333	No Message	B.2.4-5b	3.6E-05	3.6E-05
NV	B313	202	V(30x40)	2.56667	No Message	B.2.4-5b	3.6E-05	3.6E-05
NV	B313	202	V(30x40)	3.05	No Message	B.2.4-5b	3.6E-05	3.6E-05
NV	B313	202	V(30x40)	3.53333	No Message	B.2.4-5b	3.6E-05	3.6E-05
NV	B313	202	V(30x40)	4.01667	No Message	B.2.4-5b	4.8E-05	4.8E-05
NV	B313	202	V(30x40)	4.5	No Message	B.2.4-5b	9.5E-05	9.5E-05
NV	B318	203	V(30x40)	0.15	No Message	B.2.4-5b	9E-05	9E-05
NV	B318	203	V(30x40)	0.62857	No Message	B.2.4-5b	4.9E-05	4.9E-05
NV	B318	203	V(30x40)	1.10714	No Message	B.2.4-5b	2.4E-05	2.4E-05
NV	B318	203	V(30x40)	1.58571	No Message	B.2.4-5b	2.4E-05	2.4E-05
NV	B318	203	V(30x40)	2.06429	No Message	B.2.4-5b	2.4E-05	2.4E-05
NV	B318	203	V(30x40)	2.54286	No Message	B.2.4-5b	2.4E-05	2.4E-05
NV	B318	203	V(30x40)	3.02143	No Message	B.2.4-5b	5.4E-05	5.4E-05
NV	B318	203	V(30x40)	3.5	No Message	B.2.4-5b	9.8E-05	9.8E-05
NV	B320	204	V(30x40)	0.15	No Message	B.2.4-5b	0.000111	0.000111
NV	B320	204	V(30x40)	0.6275	No Message	B.2.4-5b	6.4E-05	6.4E-05
NV	B320	204	V(30x40)	1.105	No Message	B.2.4-5b	2.8E-05	2.8E-05
NV	B320	204	V(30x40)	1.5825	No Message	B.2.4-5b	2.8E-05	2.8E-05
NV	B320	204	V(30x40)	2.06	No Message	B.2.4-5b	2.8E-05	2.8E-05
NV	B320	204	V(30x40)	2.5375	No Message	B.2.4-5b	2.8E-05	2.8E-05
NV	B320	204	V(30x40)	3.015	No Message	B.2.4-5b	2.8E-05	2.8E-05
NV	B320	204	V(30x40)	3.4925	No Message	B.2.4-7b	5.4E-05	5.4E-05
NV	B320	204	V(30x40)	3.97	No Message	B.2.4-5b	9.7E-05	9.7E-05
NV	B321	205	V(30x40)	0.15	No Message	B.2.4-5b	8.5E-05	8.5E-05
NV	B321	205	V(30x40)	0.60333	No Message	B.2.4-7b	4.3E-05	4.3E-05
NV	B321	205	V(30x40)	1.05667	No Message	B.2.4-5b	3.4E-05	3.4E-05
NV	B321	205	V(30x40)	1.51	No Message	B.2.4-5b	3.4E-05	3.4E-05
NV	B321	205	V(30x40)	1.96333	No Message	B.2.4-5b	3.4E-05	3.4E-05
NV	B321	205	V(30x40)	2.41667	No Message	B.2.4-5b	3.4E-05	3.4E-05
NV	B321	205	V(30x40)	2.87	No Message	B.2.4-5b	3.4E-05	3.4E-05
NV	B321	205	V(30x40)	3.32333	No Message	B.2.4-7b	4.2E-05	4.2E-05
NV	B321	205	V(30x40)	3.77667	No Message	B.2.4-5b	7.8E-05	7.8E-05
NV	B321	205	V(30x40)	4.23	No Message	B.2.4-5b	0.000124	0.000124
NV	B374	208	V(30x40)	0.15	No Message	B.2.4-5b	0.00013	0.00013
NV	B374	208	V(30x40)	0.63333	No Message	B.2.4-5b	7.8E-05	7.8E-05
NV	B374	208	V(30x40)	1.11667	No Message	B.2.4-7b	3.7E-05	3.7E-05
NV	B374	208	V(30x40)	1.6	No Message	B.2.4-5b	3.1E-05	3.1E-05
NV	B374	208	V(30x40)	2.08333	No Message	B.2.4-5b	3.1E-05	3.1E-05
NV	B374	208	V(30x40)	2.56667	No Message	B.2.4-5b	3.1E-05	3.1E-05
NV	B374	208	V(30x40)	3.05	No Message	B.2.4-5b	3.1E-05	3.1E-05
NV	B374	208	V(30x40)	3.53333	No Message	B.2.4-5b	3.1E-05	3.1E-05
NV	B374	208	V(30x40)	4.01667	No Message	B.2.4-5b	3.1E-05	3.1E-05
NV	B374	208	V(30x40)	4.5	No Message	B.2.4-5b	6.5E-05	6.5E-05
NV	B383	209	V(30x40)	0.15	No Message	B.2.4-5b	6.9E-05	6.9E-05
NV	B383	209	V(30x40)	0.62857	No Message	B.2.4-7b	3.6E-05	3.6E-05
NV	B383	209	V(30x40)	1.10714	No Message	B.2.4-5b	2.1E-05	2.1E-05

Table: Concrete Beam Design Summary - ACI 318-08, Part 1 of 4

Story	Label	UniqueName	DesignSect	Station	Status	AsTopCombo	AsMinTop	AsTop
Unitless	Unitless	Unitless	Unitless	m	Unitless	Unitless	m²	m²
NV	B383	209	V(30x40)	1.58571	No Message	B.2.4-5b	2.1E-05	2.1E-05
NV	B383	209	V(30x40)	2.06429	No Message	B.2.4-5b	2.1E-05	2.1E-05
NV	B383	209	V(30x40)	2.54286	No Message	B.2.4-5b	2.1E-05	2.1E-05
NV	B383	209	V(30x40)	3.02143	No Message	B.2.4-5b	4.7E-05	4.7E-05
NV	B383	209	V(30x40)	3.5	No Message	B.2.4-5b	9E-05	9E-05
NV	B384	210	V(30x40)	0.15	No Message	B.2.4-5b	0.000103	0.000103
NV	B384	210	V(30x40)	0.6275	No Message	B.2.4-5b	5.6E-05	5.6E-05
NV	B384	210	V(30x40)	1.105	No Message	B.2.4-5b	2.3E-05	2.3E-05
NV	B384	210	V(30x40)	1.5825	No Message	B.2.4-5b	2.3E-05	2.3E-05
NV	B384	210	V(30x40)	2.06	No Message	B.2.4-5b	2.3E-05	2.3E-05
NV	B384	210	V(30x40)	2.5375	No Message	B.2.4-5b	2.3E-05	2.3E-05
NV	B384	210	V(30x40)	3.015	No Message	B.2.4-5b	2.3E-05	2.3E-05
NV	B384	210	V(30x40)	3.4925	No Message	B.2.4-7b	3.9E-05	3.9E-05
NV	B384	210	V(30x40)	3.97	No Message	B.2.4-5b	7.5E-05	7.5E-05
NV	B385	211	V(30x40)	0.15	No Message	B.2.4-5b	5.2E-05	5.2E-05
NV	B385	211	V(30x40)	0.60333	No Message	B.2.4-5b	3E-05	3E-05
NV	B385	211	V(30x40)	1.05667	No Message	B.2.4-5b	3E-05	3E-05
NV	B385	211	V(30x40)	1.51	No Message	B.2.4-5b	3E-05	3E-05
NV	B385	211	V(30x40)	1.96333	No Message	B.2.4-5b	3E-05	3E-05
NV	B385	211	V(30x40)	2.41667	No Message	B.2.4-5b	3E-05	3E-05
NV	B385	211	V(30x40)	2.87	No Message	B.2.4-5b	3E-05	3E-05
NV	B385	211	V(30x40)	3.32333	No Message	B.2.4-7b	4E-05	4E-05
NV	B385	211	V(30x40)	3.77667	No Message	B.2.4-5b	7.9E-05	7.9E-05
NV	B385	211	V(30x40)	4.23	No Message	B.2.4-5b	0.000127	0.000127

Table: Concrete Beam Design Summary - ACI 318-08, Part 2 of 4

Table: Concrete Beam Design Summary - ACI 318-08, Part 2 of 4

Story	Label	UniqueName	Station	AsBotCombo	AsMinBot	AsBot	VCombo	VRebar
Unitless	Unitless	Unitless	m	Unitless	m²	m²	Unitless	m²/m
NV	B54	195	0.15	B.2.4-5b	6.5E-05	6.5E-05	B.2.4-7b	0.00025
NV	B54	195	0.605	B.2.4-7b	7.1E-05	7.1E-05	B.2.4-7b	0.00025
NV	B54	195	1.06	B.2.4-5b	7.9E-05	7.9E-05	B.2.4-7b	0.00025
NV	B54	195	1.515	B.2.4-5b	8E-05	8E-05	B.2.4-7b	0.00025
NV	B54	195	1.97	B.2.4-5b	7.3E-05	7.3E-05	B.2.4-7b	0.00025
NV	B54	195	2.425	B.2.4-1	6.4E-05	6.4E-05	B.2.4-7b	0.00025
NV	B54	195	2.88	B.2.4-5b	7E-05	7E-05	B.2.4-7b	0.00025
NV	B54	195	3.335	B.2.4-5b	7.6E-05	7.6E-05	B.2.4-7b	0.00025
NV	B54	195	3.79	B.2.4-5b	7.6E-05	7.6E-05	B.2.4-7b	0.00025
NV	B54	195	4.245	B.2.4-7b	6.8E-05	6.8E-05	B.2.4-7b	0.00025
NV	B54	195	4.7	B.2.4-5b	6.2E-05	6.2E-05	B.2.4-7b	0.00025
NV	B104	196	0.15	B.2.4-5b	8.2E-05	8.2E-05	B.2.4-7b	0.00025
NV	B104	196	0.605	B.2.4-7b	8.6E-05	8.6E-05	B.2.4-7b	0.00025
NV	B104	196	1.06	B.2.4-5b	9E-05	9E-05	B.2.4-7b	0.00025
NV	B104	196	1.515	B.2.4-5b	8.9E-05	8.9E-05	B.2.4-7b	0.00025
NV	B104	196	1.97	B.2.4-5b	8E-05	8E-05	B.2.4-7b	0.00025
NV	B104	196	2.425	B.2.4-1	6.7E-05	6.7E-05	B.2.4-7b	0.00025
NV	B104	196	2.88	B.2.4-5b	7.7E-05	7.7E-05	B.2.4-7b	0.00025
NV	B104	196	3.335	B.2.4-5b	8.9E-05	8.9E-05	B.2.4-7b	0.00025
NV	B104	196	3.79	B.2.4-5b	9.3E-05	9.3E-05	B.2.4-7b	0.00025
NV	B104	196	4.245	B.2.4-5b	9E-05	9E-05	B.2.4-7b	0.00025
NV	B104	196	4.7	B.2.4-7b	8.6E-05	8.6E-05	B.2.4-7b	0.00025

Table: Concrete Beam Design Summary - ACI 318-08, Part 2 of 4

Story	Label	UniqueName	Station	AsBotCombo	AsMinBot	AsBot	VCombo	VRebar
Unitless	Unitless	Unitless	m	Unitless	m²	m²	Unitless	m²/m
NV	B147	197	0.15	B.2.4-7b	8.5E-05	8.5E-05	B.2.4-7b	0.00025
NV	B147	197	0.605	B.2.4-7b	8.9E-05	8.9E-05	B.2.4-7b	0.00025
NV	B147	197	1.06	B.2.4-5b	9.2E-05	9.2E-05	B.2.4-7b	0.00025
NV	B147	197	1.515	B.2.4-5b	8.9E-05	8.9E-05	B.2.4-7b	0.00025
NV	B147	197	1.97	B.2.4-5b	8E-05	8E-05	B.2.4-7b	0.00025
NV	B147	197	2.425	B.2.4-1	6.5E-05	6.5E-05	B.2.4-7b	0.00025
NV	B147	197	2.88	B.2.4-5b	7.7E-05	7.7E-05	B.2.4-7b	0.00025
NV	B147	197	3.335	B.2.4-5b	8.9E-05	8.9E-05	B.2.4-7b	0.00025
NV	B147	197	3.79	B.2.4-5b	9.3E-05	9.3E-05	B.2.4-7b	0.00025
NV	B147	197	4.245	B.2.4-5b	9.1E-05	9.1E-05	B.2.4-7b	0.00025
NV	B147	197	4.7	B.2.4-7b	8.8E-05	8.8E-05	B.2.4-7b	0.00025
NV	B152	198	0.15	B.2.4-7b	8.2E-05	8.2E-05	B.2.4-7b	0.00025
NV	B152	198	0.605	B.2.4-7b	8.7E-05	8.7E-05	B.2.4-7b	0.00025
NV	B152	198	1.06	B.2.4-5b	9.1E-05	9.1E-05	B.2.4-7b	0.00025
NV	B152	198	1.515	B.2.4-5b	9E-05	9E-05	B.2.4-7b	0.00025
NV	B152	198	1.97	B.2.4-5b	8.1E-05	8.1E-05	B.2.4-7b	0.00025
NV	B152	198	2.425	B.2.4-1	6.7E-05	6.7E-05	B.2.4-7b	0.00025
NV	B152	198	2.88	B.2.4-5b	7.8E-05	7.8E-05	B.2.4-7b	0.00025
NV	B152	198	3.335	B.2.4-5b	8.8E-05	8.8E-05	B.2.4-7b	0.00025
NV	B152	198	3.79	B.2.4-5b	9.1E-05	9.1E-05	B.2.4-7b	0.00025
NV	B152	198	4.245	B.2.4-5b	8.7E-05	8.7E-05	B.2.4-7b	0.00025
NV	B152	198	4.7	B.2.4-7b	8.3E-05	8.3E-05	B.2.4-7b	0.00025
NV	B156	199	0.15	B.2.4-7b	6.3E-05	6.3E-05	B.2.4-7b	0.00025
NV	B156	199	0.605	B.2.4-7b	7.1E-05	7.1E-05	B.2.4-7b	0.00025
NV	B156	199	1.06	B.2.4-5b	7.9E-05	7.9E-05	B.2.4-7b	0.00025
NV	B156	199	1.515	B.2.4-5b	8E-05	8E-05	B.2.4-7b	0.00025
NV	B156	199	1.97	B.2.4-5b	7.3E-05	7.3E-05	B.2.4-7b	0.00025
NV	B156	199	2.425	B.2.4-1	6.5E-05	6.5E-05	B.2.4-7b	0.00025
NV	B156	199	2.88	B.2.4-5b	6.9E-05	6.9E-05	B.2.4-7b	0.00025
NV	B156	199	3.335	B.2.4-5b	7.5E-05	7.5E-05	B.2.4-7b	0.00025
NV	B156	199	3.79	B.2.4-5b	7.3E-05	7.3E-05	B.2.4-7b	0.00025
NV	B156	199	4.245	B.2.4-7b	6.5E-05	6.5E-05	B.2.4-7b	0.00025
NV	B156	199	4.7	B.2.4-5b	6.2E-05	6.2E-05	B.2.4-7b	0.00025
NV	B313	202	0.15	B.2.4-5b	6.6E-05	6.6E-05	B.2.4-7b	0.00025
NV	B313	202	0.63333	B.2.4-7b	6.7E-05	6.7E-05	B.2.4-7b	0.00025
NV	B313	202	1.11667	B.2.4-5b	7.6E-05	7.6E-05	B.2.4-7b	0.00025
NV	B313	202	1.6	B.2.4-5b	7.8E-05	7.8E-05	B.2.4-7b	0.00025
NV	B313	202	2.08333	B.2.4-3b	7.4E-05	7.4E-05	B.2.4-7b	0.00025
NV	B313	202	2.56667	B.2.4-3b	7.7E-05	7.7E-05	B.2.4-7b	0.00025
NV	B313	202	3.05	B.2.4-3b	7.2E-05	7.2E-05	B.2.4-7b	0.00025
NV	B313	202	3.53333	B.2.4-5b	6.2E-05	6.2E-05	B.2.4-7b	0.00025
NV	B313	202	4.01667	B.2.4-5b	5.5E-05	5.5E-05	B.2.4-7b	0.00025
NV	B313	202	4.5	B.2.4-5b	5E-05	5E-05	B.2.4-7b	0.00025
NV	B318	203	0.15	B.2.4-5b	4.4E-05	4.4E-05	B.2.4-7b	0.00025
NV	B318	203	0.62857	B.2.4-7b	4.3E-05	4.3E-05	B.2.4-7b	0.00025
NV	B318	203	1.10714	B.2.4-5b	3.8E-05	3.8E-05	B.2.4-7b	0.00025
NV	B318	203	1.58571	B.2.4-5b	2.6E-05	2.6E-05	B.2.4-7b	0.00025
NV	B318	203	2.06429	B.2.4-5b	2.4E-05	2.4E-05	B.2.4-7b	0.00025
NV	B318	203	2.54286	B.2.4-5b	3.1E-05	3.1E-05	B.2.4-7b	0.00025
NV	B318	203	3.02143	B.2.4-7b	3.5E-05	3.5E-05	B.2.4-7b	0.00025
NV	B318	203	3.5	B.2.4-5b	4.8E-05	4.8E-05	B.2.4-7b	0.00025
NV	B320	204	0.15	B.2.4-5b	5.6E-05	5.6E-05	B.2.4-7b	0.00025
NV	B320	204	0.6275	B.2.4-7b	4.2E-05	4.2E-05	B.2.4-7b	0.00025

Table: Concrete Beam Design Summary - ACI 318-08, Part 2 of 4

Story	Label	UniqueName	Station	AsBotCombo	AsMinBot	AsBot	VCombo	VRebar
Unitless	Unitless	Unitless	m	Unitless	m²	m²	Unitless	m²/m
NV	B320	204	1.105	B.2.4-5b	4.3E-05	4.3E-05	B.2.4-7b	0.00025
NV	B320	204	1.5825	B.2.4-5b	4E-05	4E-05	B.2.4-7b	0.00025
NV	B320	204	2.06	B.2.4-3b	3.4E-05	3.4E-05	B.2.4-7b	0.00025
NV	B320	204	2.5375	B.2.4-5b	4.6E-05	4.6E-05	B.2.4-7b	0.00025
NV	B320	204	3.015	B.2.4-5b	5.3E-05	5.3E-05	B.2.4-7b	0.00025
NV	B320	204	3.4925	B.2.4-7b	5.3E-05	5.3E-05	B.2.4-7b	0.00025
NV	B320	204	3.97	B.2.4-7b	5.1E-05	5.1E-05	B.2.4-7b	0.00025
NV	B321	205	0.15	B.2.4-7b	4.6E-05	4.6E-05	B.2.4-7b	0.00025
NV	B321	205	0.60333	B.2.4-5b	5.3E-05	5.3E-05	B.2.4-7b	0.00025
NV	B321	205	1.05667	B.2.4-5b	5.7E-05	5.7E-05	B.2.4-7b	0.00025
NV	B321	205	1.51	B.2.4-3b	6.6E-05	6.6E-05	B.2.4-7b	0.00025
NV	B321	205	1.96333	B.2.4-3b	6.9E-05	6.9E-05	B.2.4-7b	0.00025
NV	B321	205	2.41667	B.2.4-5b	6.6E-05	6.6E-05	B.2.4-7b	0.00025
NV	B321	205	2.87	B.2.4-5b	7.2E-05	7.2E-05	B.2.4-7b	0.00025
NV	B321	205	3.32333	B.2.4-5b	7.1E-05	7.1E-05	B.2.4-7b	0.00025
NV	B321	205	3.77667	B.2.4-7b	6.4E-05	6.4E-05	B.2.4-7b	0.00025
NV	B321	205	4.23	B.2.4-5b	6.4E-05	6.4E-05	B.2.4-7b	0.00025
NV	B374	208	0.15	B.2.4-5b	6.4E-05	6.4E-05	B.2.4-7b	0.00025
NV	B374	208	0.63333	B.2.4-7b	3.8E-05	3.8E-05	B.2.4-7b	0.00025
NV	B374	208	1.11667	B.2.4-5b	4.7E-05	4.7E-05	B.2.4-7b	0.00025
NV	B374	208	1.6	B.2.4-5b	5.5E-05	5.5E-05	B.2.4-7b	0.00025
NV	B374	208	2.08333	B.2.4-5b	5.5E-05	5.5E-05	B.2.4-7b	0.00025
NV	B374	208	2.56667	B.2.4-3b	5.1E-05	5.1E-05	B.2.4-7b	0.00025
NV	B374	208	3.05	B.2.4-5b	5.1E-05	5.1E-05	B.2.4-7b	0.00025
NV	B374	208	3.53333	B.2.4-5b	5.4E-05	5.4E-05	B.2.4-7b	0.00025
NV	B374	208	4.01667	B.2.4-5b	4.8E-05	4.8E-05	B.2.4-7b	0.00025
NV	B374	208	4.5	B.2.4-7b	3.9E-05	3.9E-05	B.2.4-7b	0.00025
NV	B383	209	0.15	B.2.4-7b	4.1E-05	4.1E-05	B.2.4-7b	0.00025
NV	B383	209	0.62857	B.2.4-7b	4.1E-05	4.1E-05	B.2.4-7b	0.00025
NV	B383	209	1.10714	B.2.4-5b	3.8E-05	3.8E-05	B.2.4-7b	0.00025
NV	B383	209	1.58571	B.2.4-5b	2.7E-05	2.7E-05	B.2.4-7b	0.00025
NV	B383	209	2.06429	B.2.4-5b	2.2E-05	2.2E-05	B.2.4-7b	0.00025
NV	B383	209	2.54286	B.2.4-5b	2.5E-05	2.5E-05	B.2.4-7b	0.00025
NV	B383	209	3.02143	B.2.4-7b	2.6E-05	2.6E-05	B.2.4-7b	0.00025
NV	B383	209	3.5	B.2.4-5b	4.4E-05	4.4E-05	B.2.4-7b	0.00025
NV	B384	210	0.15	B.2.4-5b	5E-05	5E-05	B.2.4-7b	0.00025
NV	B384	210	0.6275	B.2.4-7b	3E-05	3E-05	B.2.4-7b	0.00025
NV	B384	210	1.105	B.2.4-5b	3.3E-05	3.3E-05	B.2.4-7b	0.00025
NV	B384	210	1.5825	B.2.4-5b	3.4E-05	3.4E-05	B.2.4-7b	0.00025
NV	B384	210	2.06	B.2.4-3b	3.2E-05	3.2E-05	B.2.4-7b	0.00025
NV	B384	210	2.5375	B.2.4-5b	4.3E-05	4.3E-05	B.2.4-7b	0.00025
NV	B384	210	3.015	B.2.4-5b	5E-05	5E-05	B.2.4-7b	0.00025
NV	B384	210	3.4925	B.2.4-5b	4.8E-05	4.8E-05	B.2.4-7b	0.00025
NV	B384	210	3.97	B.2.4-7b	4.4E-05	4.4E-05	B.2.4-7b	0.00025
NV	B385	211	0.15	B.2.4-7b	4.2E-05	4.2E-05	B.2.4-7b	0.00025
NV	B385	211	0.60333	B.2.4-5b	4.9E-05	4.9E-05	B.2.4-7b	0.00025
NV	B385	211	1.05667	B.2.4-5b	5.2E-05	5.2E-05	B.2.4-7b	0.00025
NV	B385	211	1.51	B.2.4-3b	4.7E-05	4.7E-05	B.2.4-7b	0.00025
NV	B385	211	1.96333	B.2.4-3b	4.6E-05	4.6E-05	B.2.4-7b	0.00025
NV	B385	211	2.41667	B.2.4-5b	5.1E-05	5.1E-05	B.2.4-7b	0.00025
NV	B385	211	2.87	B.2.4-5b	5.1E-05	5.1E-05	B.2.4-7b	0.00025
NV	B385	211	3.32333	B.2.4-7b	4.4E-05	4.4E-05	B.2.4-7b	0.00025
NV	B385	211	3.77667	B.2.4-7b	3.6E-05	3.6E-05	B.2.4-7b	0.00025

Table: Concrete Beam Design Summary - ACI 318-08, Part 2 of 4

Story	Label	UniqueName	Station	AsBotCombo	AsMinBot	AsBot	VCombo	VRebar
Unitless	Unitless	Unitless	m	Unitless	m²	m²	Unitless	m²/m
NV	B385	211	4.23	B.2.4-5b	6.2E-05	6.2E-05	B.2.4-7b	0.00025

Table: Concrete Beam Design Summary - ACI 318-08, Part 3 of 4

Table: Concrete Beam Design Summary - ACI 318-08, Part 3 of 4

Story	Label	UniqueName	Station	TLngCombo	TLngRebar	TTrnCombo	TTrnRebar	WarnMsg
Unitless	Unitless	Unitless	m	Unitless	m²	Unitless	m²/m	Unitless
NV	B54	195	0.15	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B54	195	0.605	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B54	195	1.06	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B54	195	1.515	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B54	195	1.97	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B54	195	2.425	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B54	195	2.88	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B54	195	3.335	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B54	195	3.79	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B54	195	4.245	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B54	195	4.7	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B104	196	0.15	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B104	196	0.605	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B104	196	1.06	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B104	196	1.515	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B104	196	1.97	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B104	196	2.425	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B104	196	2.88	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B104	196	3.335	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B104	196	3.79	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B104	196	4.245	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B104	196	4.7	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B147	197	0.15	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B147	197	0.605	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B147	197	1.06	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B147	197	1.515	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B147	197	1.97	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B147	197	2.425	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B147	197	2.88	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B147	197	3.335	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B147	197	3.79	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B147	197	4.245	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B147	197	4.7	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B152	198	0.15	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B152	198	0.605	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B152	198	1.06	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B152	198	1.515	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B152	198	1.97	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B152	198	2.425	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B152	198	2.88	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B152	198	3.335	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B152	198	3.79	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B152	198	4.245	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B152	198	4.7	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B156	199	0.15	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B156	199	0.605	B.2.4-7b	0	B.2.4-7b	0	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 3 of 4

Story	Label	UniqueName	Station	TLngCombo	TLngRebar	TTrnCombo	TTrnRebar	WarnMsg
Unitless	Unitless	Unitless	m	Unitless	m^2	Unitless	m^2/m	Unitless
NV	B156	199	1.06	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B156	199	1.515	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B156	199	1.97	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B156	199	2.425	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B156	199	2.88	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B156	199	3.335	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B156	199	3.79	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B156	199	4.245	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B156	199	4.7	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B313	202	0.15	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B313	202	0.63333	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B313	202	1.11667	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B313	202	1.6	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B313	202	2.08333	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B313	202	2.56667	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B313	202	3.05	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B313	202	3.53333	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B313	202	4.01667	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B313	202	4.5	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B318	203	0.15	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B318	203	0.62857	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B318	203	1.10714	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B318	203	1.58571	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B318	203	2.06429	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B318	203	2.54286	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B318	203	3.02143	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B318	203	3.5	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B320	204	0.15	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B320	204	0.6275	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B320	204	1.105	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B320	204	1.5825	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B320	204	2.06	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B320	204	2.5375	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B320	204	3.015	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B320	204	3.4925	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B320	204	3.97	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B321	205	0.15	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B321	205	0.60333	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B321	205	1.05667	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B321	205	1.51	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B321	205	1.96333	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B321	205	2.41667	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B321	205	2.87	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B321	205	3.32333	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B321	205	3.77667	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B321	205	4.23	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B374	208	0.15	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B374	208	0.63333	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B374	208	1.11667	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B374	208	1.6	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B374	208	2.08333	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B374	208	2.56667	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B374	208	3.05	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B374	208	3.53333	B.2.4-7b	0	B.2.4-7b	0	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 3 of 4

Story	Label	UniqueName	Station	TLngCombo	TLngRebar	TTrnCombo	TTrnRebar	WarnMsg
Unitless	Unitless	Unitless	m	Unitless	m²	Unitless	m²/m	Unitless
NV	B374	208	4.01667	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B374	208	4.5	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B383	209	0.15	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B383	209	0.62857	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B383	209	1.10714	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B383	209	1.58571	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B383	209	2.06429	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B383	209	2.54286	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B383	209	3.02143	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B383	209	3.5	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B384	210	0.15	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B384	210	0.6275	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B384	210	1.105	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B384	210	1.5825	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B384	210	2.06	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B384	210	2.5375	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B384	210	3.015	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B384	210	3.4925	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B384	210	3.97	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B385	211	0.15	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B385	211	0.60333	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B385	211	1.05667	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B385	211	1.51	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B385	211	1.96333	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B385	211	2.41667	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B385	211	2.87	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B385	211	3.32333	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B385	211	3.77667	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B385	211	4.23	B.2.4-7b	0	B.2.4-7b	0	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 4 of 4

Table: Concrete Beam Design Summary - ACI 318-08, Part 4 of 4

Story	Label	UniqueName	Station	ErrMsg
Unitless	Unitless	Unitless	m	Unitless
NV	B54	195	0.15	No Message
NV	B54	195	0.605	No Message
NV	B54	195	1.06	No Message
NV	B54	195	1.515	No Message
NV	B54	195	1.97	No Message
NV	B54	195	2.425	No Message
NV	B54	195	2.88	No Message
NV	B54	195	3.335	No Message
NV	B54	195	3.79	No Message
NV	B54	195	4.245	No Message
NV	B54	195	4.7	No Message
NV	B104	196	0.15	No Message
NV	B104	196	0.605	No Message
NV	B104	196	1.06	No Message
NV	B104	196	1.515	No Message
NV	B104	196	1.97	No Message
NV	B104	196	2.425	No Message
NV	B104	196	2.88	No Message
NV	B104	196	3.335	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 4 of 4

Story	Label	UniqueName	Station	ErrMsg
Unitless	Unitless	Unitless	m	Unitless
NV	B104	196	3.79	No Message
NV	B104	196	4.245	No Message
NV	B104	196	4.7	No Message
NV	B147	197	0.15	No Message
NV	B147	197	0.605	No Message
NV	B147	197	1.06	No Message
NV	B147	197	1.515	No Message
NV	B147	197	1.97	No Message
NV	B147	197	2.425	No Message
NV	B147	197	2.88	No Message
NV	B147	197	3.335	No Message
NV	B147	197	3.79	No Message
NV	B147	197	4.245	No Message
NV	B147	197	4.7	No Message
NV	B152	198	0.15	No Message
NV	B152	198	0.605	No Message
NV	B152	198	1.06	No Message
NV	B152	198	1.515	No Message
NV	B152	198	1.97	No Message
NV	B152	198	2.425	No Message
NV	B152	198	2.88	No Message
NV	B152	198	3.335	No Message
NV	B152	198	3.79	No Message
NV	B152	198	4.245	No Message
NV	B152	198	4.7	No Message
NV	B156	199	0.15	No Message
NV	B156	199	0.605	No Message
NV	B156	199	1.06	No Message
NV	B156	199	1.515	No Message
NV	B156	199	1.97	No Message
NV	B156	199	2.425	No Message
NV	B156	199	2.88	No Message
NV	B156	199	3.335	No Message
NV	B156	199	3.79	No Message
NV	B156	199	4.245	No Message
NV	B156	199	4.7	No Message
NV	B313	202	0.15	No Message
NV	B313	202	0.63333	No Message
NV	B313	202	1.11667	No Message
NV	B313	202	1.6	No Message
NV	B313	202	2.08333	No Message
NV	B313	202	2.56667	No Message
NV	B313	202	3.05	No Message
NV	B313	202	3.53333	No Message
NV	B313	202	4.01667	No Message
NV	B313	202	4.5	No Message
NV	B318	203	0.15	No Message
NV	B318	203	0.62857	No Message
NV	B318	203	1.10714	No Message
NV	B318	203	1.58571	No Message
NV	B318	203	2.06429	No Message
NV	B318	203	2.54286	No Message
NV	B318	203	3.02143	No Message
NV	B318	203	3.5	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 4 of 4

Story	Label	UniqueName	Station	ErrMsg
Unitless	Unitless	Unitless	m	Unitless
NV	B320	204	0.15	No Message
NV	B320	204	0.6275	No Message
NV	B320	204	1.105	No Message
NV	B320	204	1.5825	No Message
NV	B320	204	2.06	No Message
NV	B320	204	2.5375	No Message
NV	B320	204	3.015	No Message
NV	B320	204	3.4925	No Message
NV	B320	204	3.97	No Message
NV	B321	205	0.15	No Message
NV	B321	205	0.60333	No Message
NV	B321	205	1.05667	No Message
NV	B321	205	1.51	No Message
NV	B321	205	1.96333	No Message
NV	B321	205	2.41667	No Message
NV	B321	205	2.87	No Message
NV	B321	205	3.32333	No Message
NV	B321	205	3.77667	No Message
NV	B321	205	4.23	No Message
NV	B374	208	0.15	No Message
NV	B374	208	0.63333	No Message
NV	B374	208	1.11667	No Message
NV	B374	208	1.6	No Message
NV	B374	208	2.08333	No Message
NV	B374	208	2.56667	No Message
NV	B374	208	3.05	No Message
NV	B374	208	3.53333	No Message
NV	B374	208	4.01667	No Message
NV	B374	208	4.5	No Message
NV	B383	209	0.15	No Message
NV	B383	209	0.62857	No Message
NV	B383	209	1.10714	No Message
NV	B383	209	1.58571	No Message
NV	B383	209	2.06429	No Message
NV	B383	209	2.54286	No Message
NV	B383	209	3.02143	No Message
NV	B383	209	3.5	No Message
NV	B384	210	0.15	No Message
NV	B384	210	0.6275	No Message
NV	B384	210	1.105	No Message
NV	B384	210	1.5825	No Message
NV	B384	210	2.06	No Message
NV	B384	210	2.5375	No Message
NV	B384	210	3.015	No Message
NV	B384	210	3.4925	No Message
NV	B384	210	3.97	No Message
NV	B385	211	0.15	No Message
NV	B385	211	0.60333	No Message
NV	B385	211	1.05667	No Message
NV	B385	211	1.51	No Message
NV	B385	211	1.96333	No Message
NV	B385	211	2.41667	No Message
NV	B385	211	2.87	No Message
NV	B385	211	3.32333	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 4 of 4

Story	Label	UniqueName	Station	ErrMsg
Unitless	Unitless	Unitless	m	Unitless
NV	B385	211	3.77667	No Message
NV	B385	211	4.23	No Message

DISEÑO DE VIGAS DE CONCRETO REFORZADO _ NSR-10

Datos de Diseño:

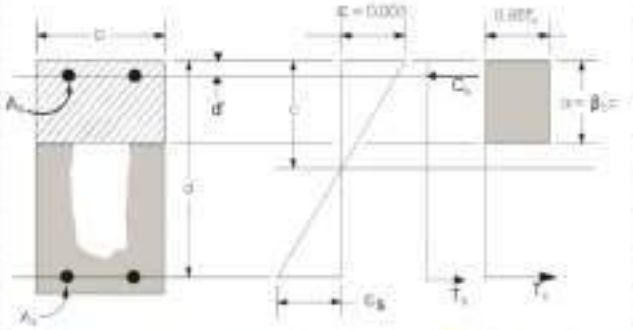
Base: $b := 30\ cm$

Altura: $h := 40\ cm$

$f'_c := 280\ \frac{kgf}{cm^2}$ $f_y := 4200\ \frac{kgf}{cm^2}$

Recubrimiento $rec := 5\ cm$

(al centroide de las barras Longitudinales)



$E_s := 2030000\ \frac{kgf}{cm^2}$

Momento $M_u := 1.85\ tonnef \cdot m$

DISEÑO POR FLEXION

1. CALCULO DEL AREA DE ACERO

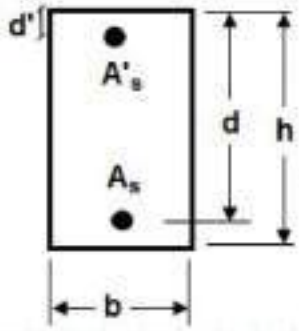
Acero Requerido $As_{requerido} = 1.415\ cm^2$

Acero Normativo $As_{normativo} = 3.5\ cm^2$

Limites de Acero S.A. $As_{min} = 3.5\ cm^2$ $As_{max} = 18.8\ cm^2$

$\phi = 0.9$

$As_{max.doble.A} = 18.804\ cm^2$



$A'_s = 0\ cm^2$

$tipo.de.diseño = \text{"Simple Armado"}$

$A_s = 1.415\ cm^2$

2. CAPACIDAD DE LA SECCION POR FLEXION

$n_{top} := 2$ $ID_{top} := 4$

$n_{bottom} := 2$ $ID_{bottom} := 4$

ntop: Numero de barras Arriba

nbottom: Numero de barras abajo

ID: Escoger una barra de la tabla

Tabla de aceros

ID	d_{barra} (mm)	area (cm^2)
1	9.5	0.71
2	12.7	1.29
3	15.9	1.99
4	19.1	2.84
5	22.2	3.87
6	25.4	5.1

Momento Resistente

$\phi M_n = 7.491$ **tonnef·m**

Momento Solicitante

$M_u = 1.85$ **tonnef·m**

$ratio = 0.247$

$\rho_{cuantia} = 0.00546$

$verificacion_1$ = "Cumple el espaciamiento minimo"

$verificacion_2$ = "LA SECCION FUE DISEÑADA CORRECTAMENTE, OK"

DISEÑO POR CORTE

Datos de Diseño:

$V_u := 1.46$ **tonnef** Cortante Solicitante

$\phi_c := 0.75$ Para corte

ID: Escoger una barra de la tabla

$ID := 1$

$n_R := 2$ Numero de ramas

$s := 8$ **cm** separación de estribos

$N_u := 0$ **tonnef** Carga Axial en la Viga, Compresión (+)

Tabla de aceros

ID	d_{barra} (mm)	area (cm^2)
1	9.5	0.71
2	12.7	1.29
3	15.9	1.99
4	19.1	2.84
5	22.2	3.87
6	25.4	5.10

RESULTADOS DE DISEÑO

Capacidad por Corte

$\phi_c V_n = 26.521$ **tonnef**

$ratio_{corte} = 0.055$

Cortante Solicitante

$V_u = 1.46$ **tonnef**

Relación Av/s Requerido

$A_{v\_s} = 0 \ \frac{cm^2}{cm}$

Limites de Refuerzo

$A_{v\_s\_min} = 0 \ \frac{cm^2}{cm}$

Corte del Concreto

$s_{max} = 17.5$ **cm**

$\phi_c \cdot V_c = 6.984$ **tonnef**

$V_{s\_requerido} = -5.524$ **tonnef**

$verificacion_3$="OK,Dimensiones de la seccion transversal"

$verificacion_4$="OK, la separacion "S", es correcta!"

DISEÑO POR TORSION

Datos de Diseño:

$T_u := 0.04$ **tonnef·m** Torsor ultimo Solicitante

$rec_{estribo} := 50$ **mm** Recubrimiento al estribo

$f_{yt} := 4200 \frac{kgf}{cm^2}$ Tensión de Fluencia del acero transversal

$\phi_t := 0.75$ Para torsión

$\theta := 45$ °

$N_u := 0.0$ **tonnef** Carga Axial en la Viga, Compresión (+)

RESULTADOS:

Umbral de Torsión

$T_{th} = 0.456$ **tonnef·m**

$\phi_t \cdot T_{th} = 0.342$ **tonnef·m**

Torsor Critico

$T_{cr} = 1.825$ **tonnef·m**

$\phi_t \cdot T_{cr} = 1.369$ **tonnef·m**

Verificación de refuerzo por torsión:

V_{erf_5}="Ignorar la torsion "

Verificación de la Sección:

$V_{erf\_6} = 0$

Refuerzo Minimo

V_{erf_7}="No predomina el refuerzo minimo"

$A_{v\_2At,min} = 0 \frac{1}{m} \cdot cm$

Refuerzo por torsión At/s

$A_{t\_s} = 0 \frac{1}{m} \cdot \frac{cm^2}{cm}$

Refuerzo longitudinal por torsión

$A_l = 0 \frac{1}{m^2} \cdot cm^2$

ANEXO C – DISEÑO DE CIMENTACIÓN

ANEXO C – CIMENTACIÓN

1 DESCRIPCIÓN DEL MODELO

Se realizó un modelo analítico de interacción suelo-estructura usando el programa de elementos finitos (Etabs V.18) en el cual se simuló el efecto producido por la resistencia del suelo, teniendo en cuenta el módulo de reacción vertical dado en el estudio de suelos.

1.1 ESPECIFICACIONES ESTUDIO DE SUELOS

LABCON

9. CONCLUSIONES Y RECOMENDACIONES

Las conclusiones y recomendaciones consignadas en el presente informe se basan en los resultados de las investigaciones de campo y laboratorio que se describen en los capítulos pertinentes, en la magnitud del proyecto y en la caracterización geotécnica del área en estudio.

Tabla 9.1 Resultados parámetros geotécnicos.

Unidad geotécnica	Descripción	Parámetros de resistencia			Peso específico.	Módulo de elasticidad	Módulo de poisson	Cc	Cr
		ÁNGULO DE ROZAMIENTO	COHESIÓN	COHESIÓN NO DRENADA					
		Phi' (°)	c' (kN/m2)	Cu (kN/m2)	r (kN/m3)	E (Mpa)	V	-	-
U.G. II	(6.0m – 15.0m)	33.54	0-20	68.50	19.0	18.0			
U.G. I	(0.5m – 6.0m)	25.26	0-10	28.10	16.5	10.30	0,35	0,35	0,03
U.G. 0	Apique (0.0m – 0.5m)								

MATERIAL	ÁNGULO DE ROZAMIENTO (°)	Kv (t/m3)	Kh (t/m3)
UG I	25.26	1530	1520

9.1. RECOMENDACIÓN DE CONFORMACIÓN SUPERFICIAL

Se contempla una de relleno para la primera capa superficial, se considera como suelos no aptos para construcción. El proceso debe iniciar con el retiro del material que se puedan identificar hasta un nivel de -0.50m. Profundidad medida desde a cota de terreno natural existente.

9.2. OPCIÓN CIMENTACIÓN ZAPATAS PARA ESTRUCTURAS

Para la cimentación de las estructuras de pórticos esta consultoria recomienda diseñar la cimentación una zapata a una profundidad mínima de 1.5m con una capacidad portante admisible 6,90 tn/m2 + mejoramiento en subbase granular Art. 320 compactado o ciclópeo de 50cm. Pueden ser consideradas mayores profundidades reportadas en el anexo.

El estimativo de capacidad portante admisible se efectuó adoptado como el método teórico para definir este parámetro de resistencia de los suelos mediante condiciones no drenadas, considerando un factor de seguridad 3 de acuerdo con lo mencionado por la Tabla.4.7-1 de la NSR-10.

Los asentamientos totales, contemplando asentamientos inmediatos debido a la presencia de suelos arenosas se evalúan zapatas con una dimensión mínima de 1.50 m x 1.50 m y un desplante de 1,5 m,

JUAN DAVID SALAZAR - Master Ingeniería Civil

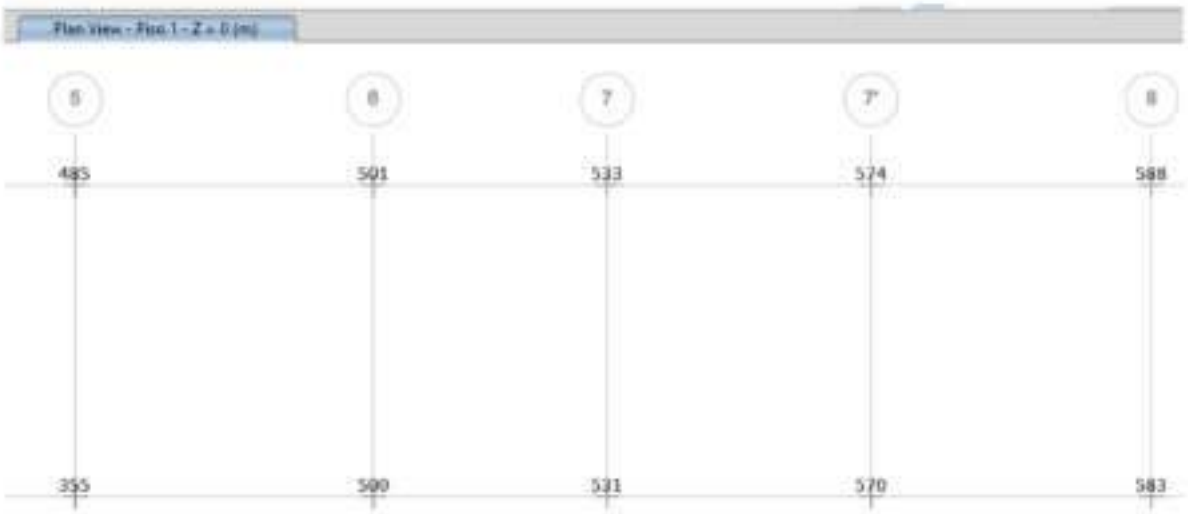
(+57) 302 350 9676

CARLOS MAURICIO MENDEZ - Máster Ingeniería Civil

(+57) 321 871 7176

Figura 1. Información tomada del estudio de suelos: LABCON

1.2 IDENTIFICACIÓN DE APOYOS Y REACCIONES



- ***Reacciones (Análisis estático) – Ton***

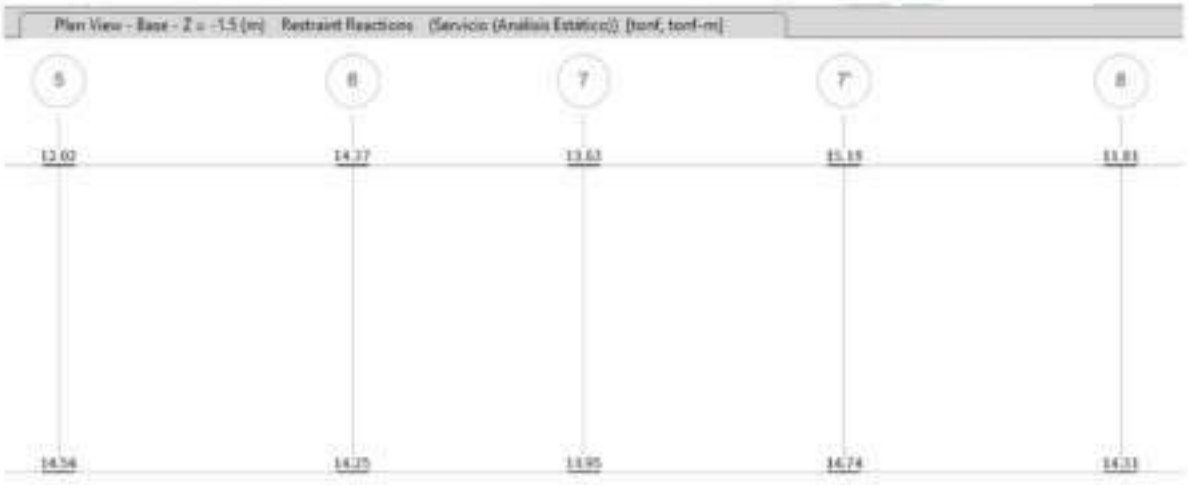
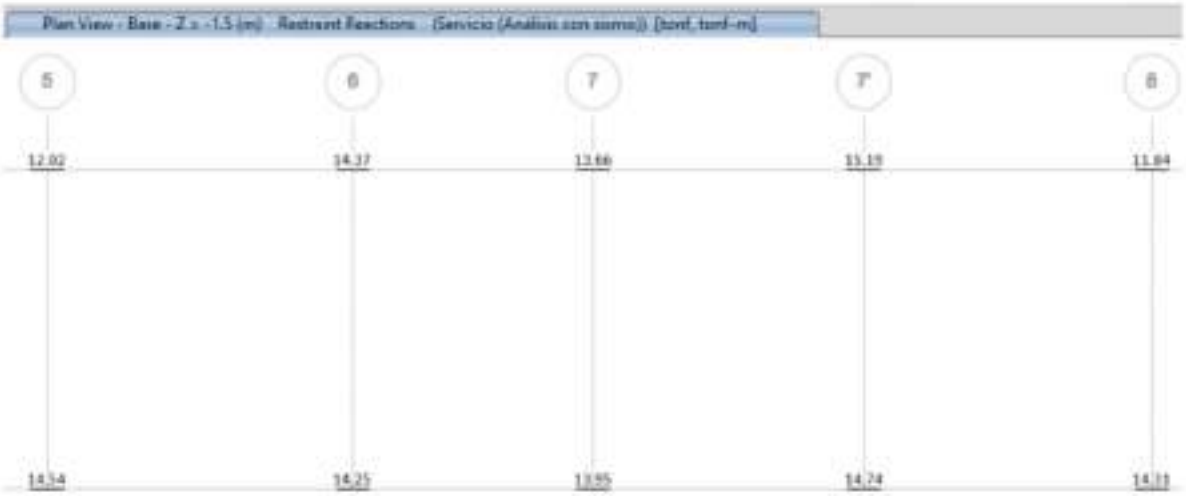
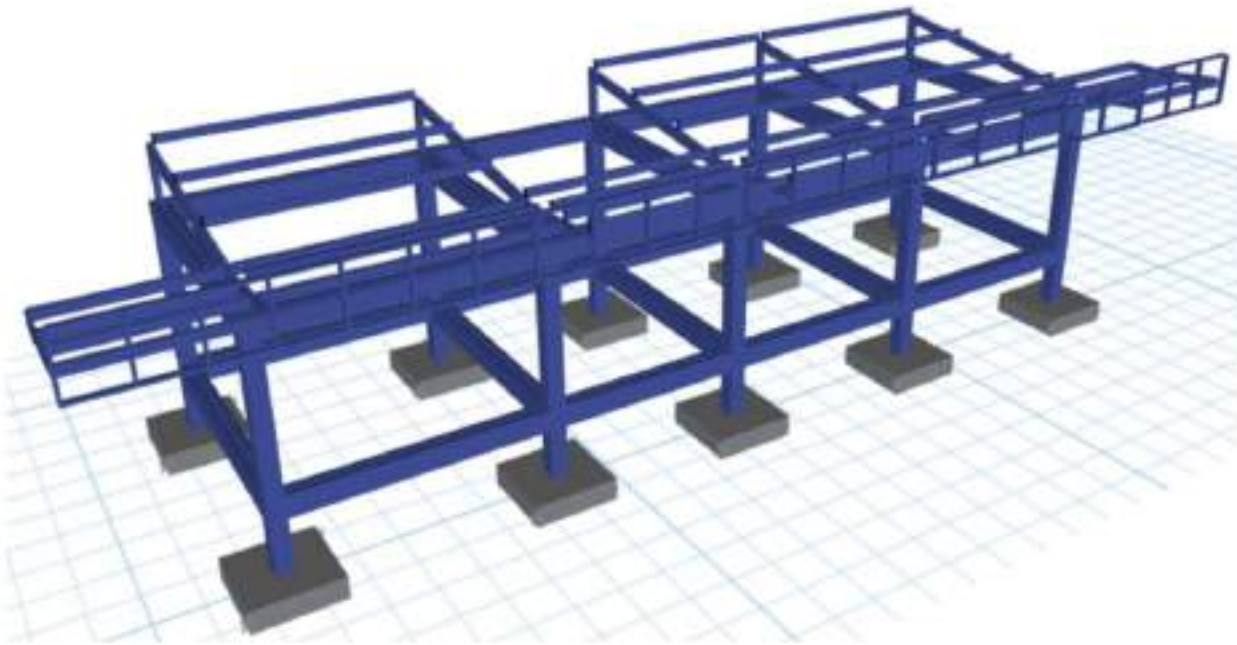


Figura 2. Identificación de apoyos.

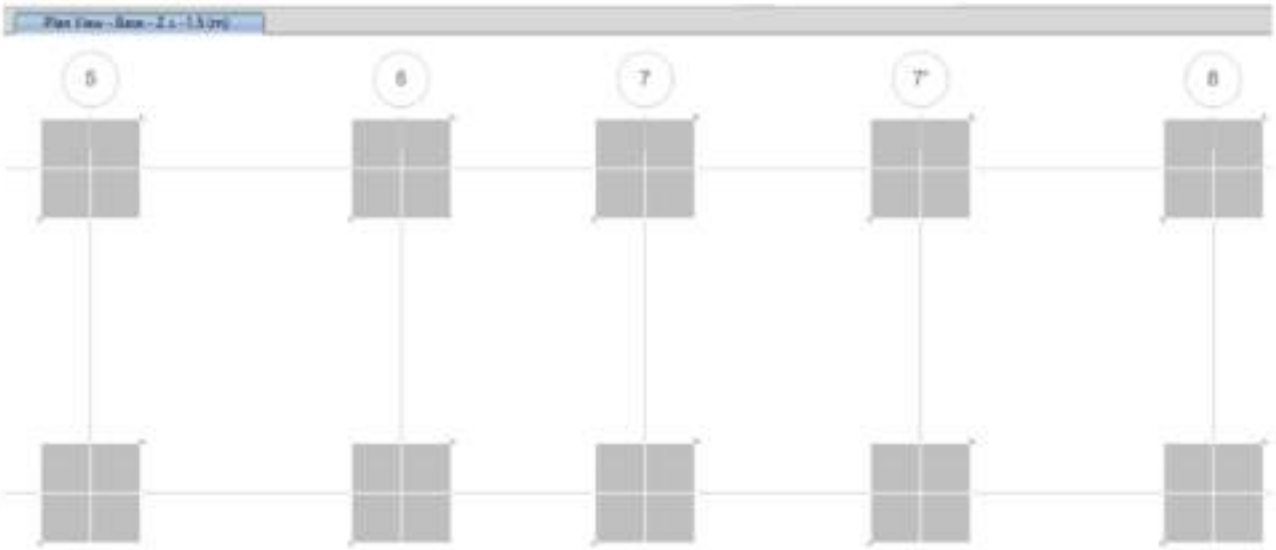
- ***Reacciones (Análisis con sismo) – Ton***



1.3 MODELO VISTA 3D



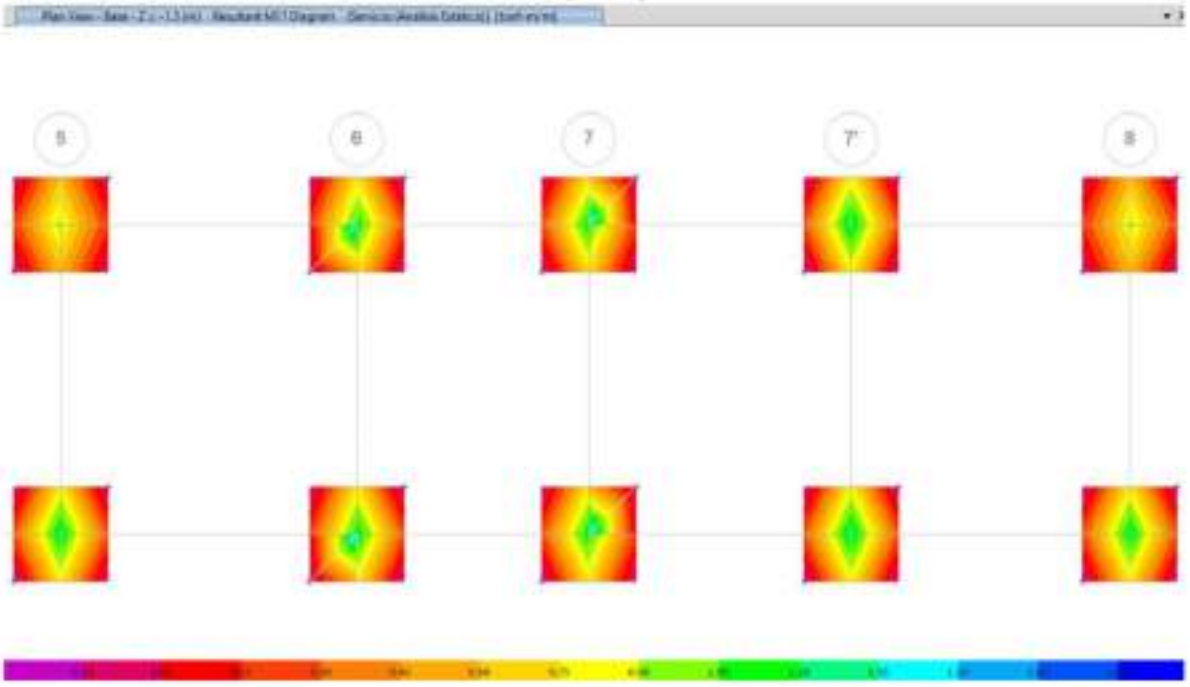
1.4 VISTA EN PLANTA



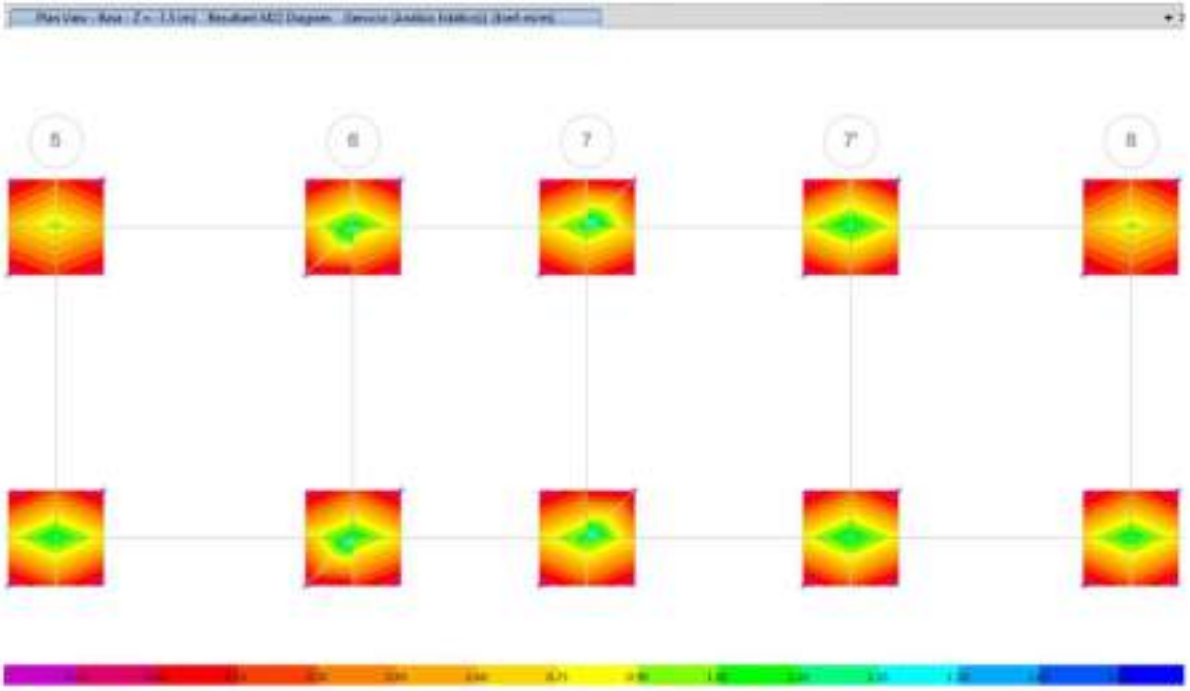
1.5 DIAGRAMA DE PRESIÓN DE CONTACTO - PLANTA (T/M²)



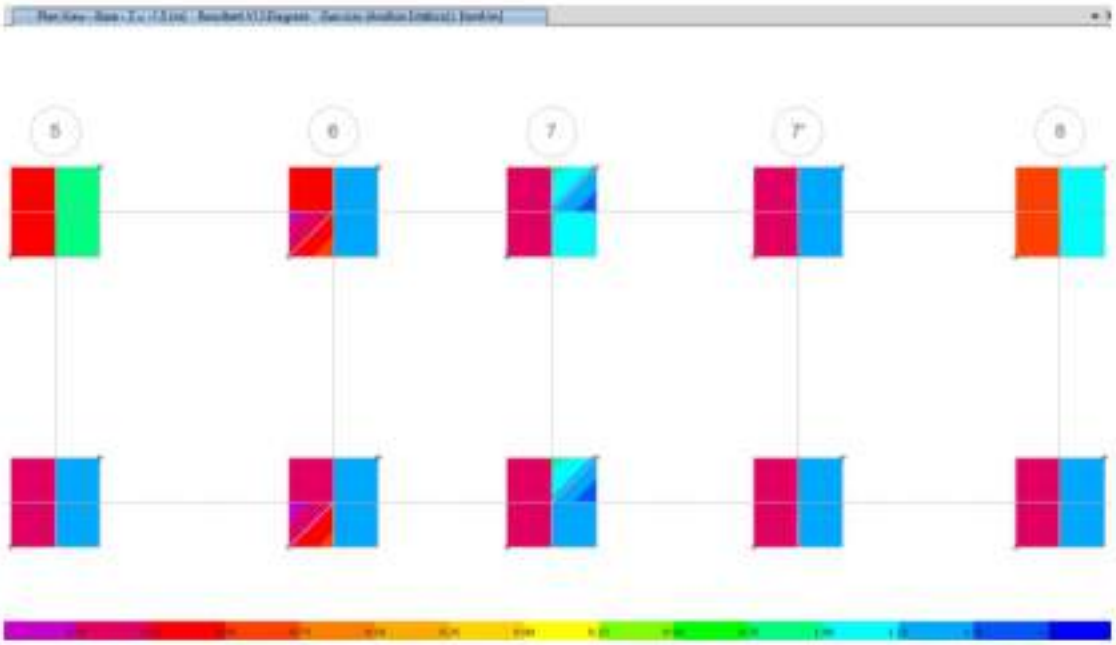
1.6 DIAGRAMA DE MOMENTOS M11 (T*M)



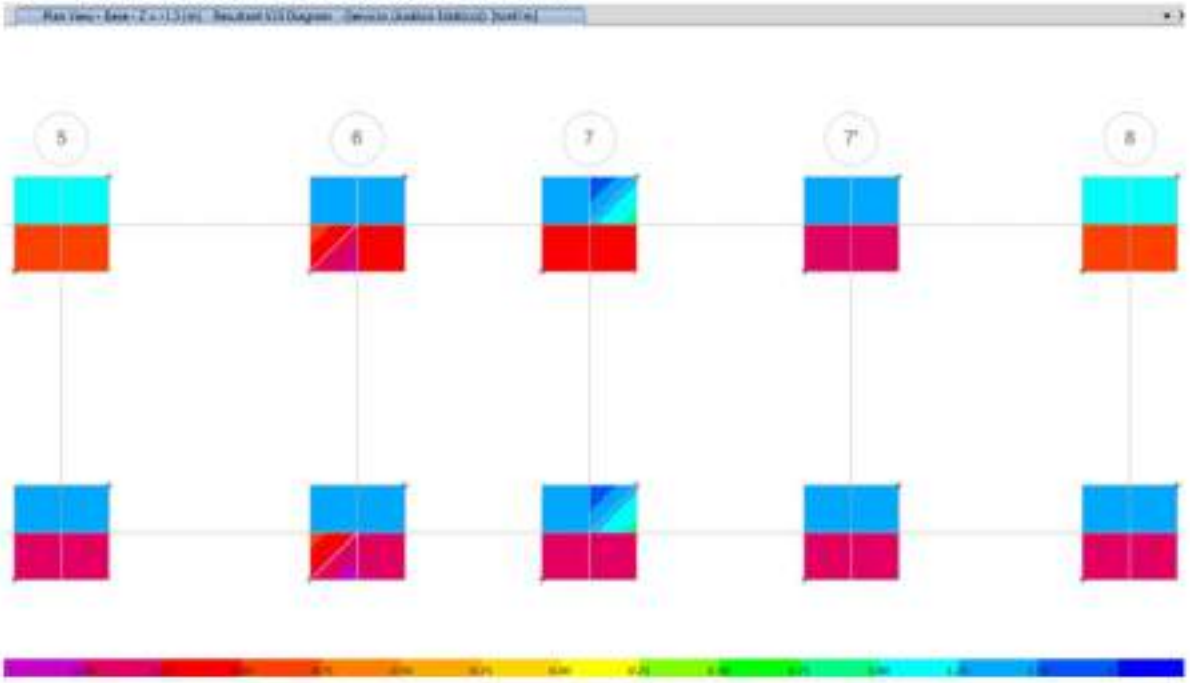
1.7 DIAGRAMA DE MOMENTOS M22 (T*M)



1.8 DIAGRAMA DE CORTANTE V13 (T)



1.9 DIAGRAMA DE CORTANTE V23 (T)



1.10 DIAGRAMA DE PUNZONAMIENTO

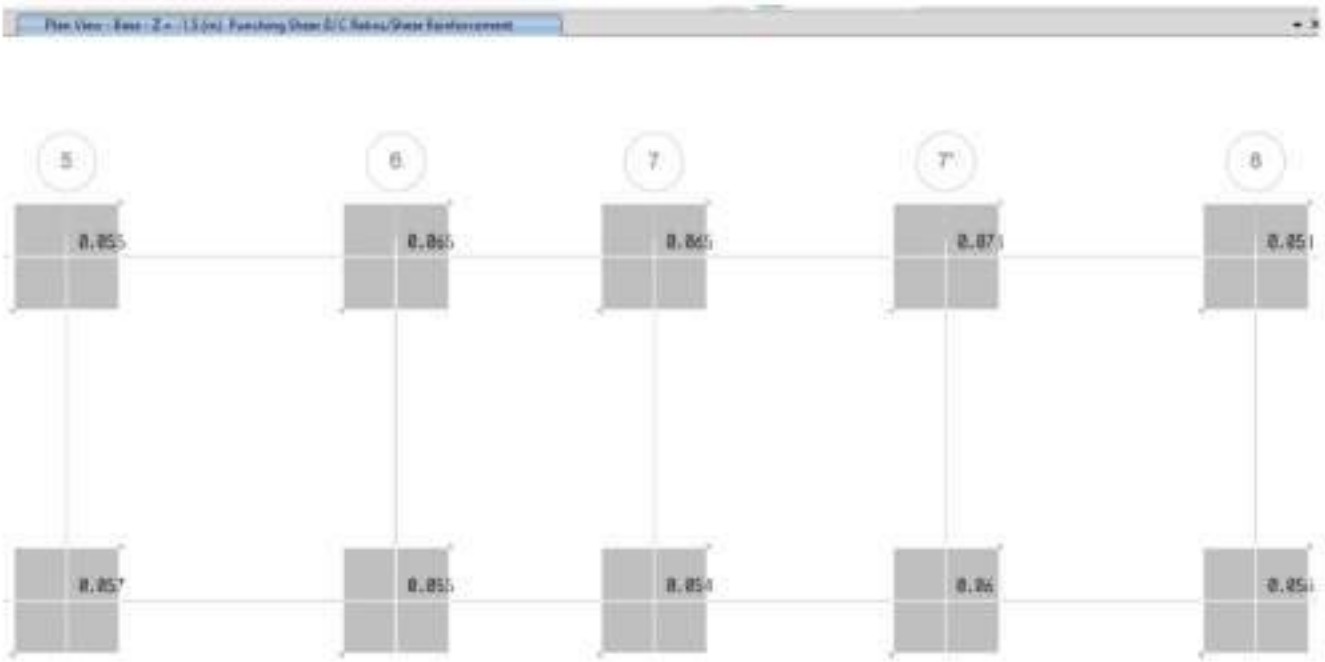


Table: Concrete Slab Design - Punching Shear Data, Part 1 of 6

Table: Concrete Slab Design - Punching Shear Data, Part 1 of 6

Story	Point	GlobalX	GlobalY	ReinfType	Status	Ratio	NumRails	StudPerRail
Unitless	Unitless	m	m	Unitless	Unitless	Unitless	Unitless	Unitless
Base	355	130.9	0	None	OK	0.05745		
Base	485	130.9	4.85	None	OK	0.054809		
Base	500	135.55	0	None	OK	0.054819		
Base	501	135.55	4.85	None	OK	0.064859		
Base	531	139.2	0	None	OK	0.054411		
Base	533	139.2	4.85	None	OK	0.065488		
Base	570	143.32	0	None	OK	0.059524		
Base	574	143.32	4.85	None	OK	0.070847		
Base	583	147.7	0	None	OK	0.055942		
Base	588	147.7	4.85	None	OK	0.051067		

Table: Concrete Slab Design - Punching Shear Data, Part 2 of 6

Table: Concrete Slab Design - Punching Shear Data, Part 2 of 6

Story	Point	GlobalX	ReinfType	StudPerRail	Combo	ShrStrMax	ShrStrCap	ReinfPat
Unitless	Unitless	m	Unitless	Unitless	Unitless	kgf/m²	kgf/m²	Unitless
Base	355	130.9	None		B.2.4-3a	7646.93	133106.55	
Base	485	130.9	None		B.2.4-5	7295.43	133106.55	
Base	500	135.55	None		B.2.4-5	7296.76	133106.55	
Base	501	135.55	None		B.2.4-5	8633.11	133106.55	

Table: Concrete Slab Design - Punching Shear Data, Part 2 of 6

Story	Point	GlobalX	ReinfType	StudPerRail	Combo	ShrStrMax	ShrStrCap	ReinfPat
Unitless	Unitless	m	Unitless	Unitless	Unitless	kgf/m²	kgf/m²	Unitless
Base	531	139.2	None		B.2.4-5	7242.52	133106.55	
Base	533	139.2	None		B.2.4-5	8716.84	133106.55	
Base	570	143.32	None		B.2.4-5	7923.07	133106.55	
Base	574	143.32	None		B.2.4-5	9430.23	133106.55	
Base	583	147.7	None		B.2.4-3a	7446.23	133106.55	
Base	588	147.7	None		B.2.4-5	6797.29	133106.55	

Table: Concrete Slab Design - Punching Shear Data, Part 3 of 6

Table: Concrete Slab Design - Punching Shear Data, Part 3 of 6

Story	Point	GlobalX	ReinfType	StudPerRail	ReinfFy	ReinfDiam	Gamma_v2	Gamma_v3
Unitless	Unitless	m	Unitless	Unitless	kgf/m²	m	Unitless	Unitless
Base	355	130.9	None				0.466858	0.336671
Base	485	130.9	None				0.4	0.4
Base	500	135.55	None				0.4	0.4
Base	501	135.55	None				0.4	0.4
Base	531	139.2	None				0.4	0.4
Base	533	139.2	None				0.4	0.4
Base	570	143.32	None				0.4	0.4
Base	574	143.32	None				0.4	0.4
Base	583	147.7	None				0.336671	0.466858
Base	588	147.7	None				0.4	0.4

Table: Concrete Slab Design - Punching Shear Data, Part 4 of 6

Table: Concrete Slab Design - Punching Shear Data, Part 4 of 6

Story	Point	GlobalX	ReinfType	StudPerRail	Gamma_v3	Mu2	Mu3	Vu
Unitless	Unitless	m	Unitless	Unitless	Unitless	kgf-m	kgf-m	kgf
Base	355	130.9	None		0.336671	2041.89	-23.82	-3404.08
Base	485	130.9	None		0.4	-576.65	-478.58	-3638.4
Base	500	135.55	None		0.4	-561.43	-416.14	-3782.3
Base	501	135.55	None		0.4	-615.04	-421.95	-4695.12
Base	531	139.2	None		0.4	-569.36	-429.54	-3701.58
Base	533	139.2	None		0.4	-621.49	-451.81	-4692.34
Base	570	143.32	None		0.4	-573.25	-420.33	-4231.91
Base	574	143.32	None		0.4	-625.99	-433.28	-5263.84
Base	583	147.7	None		0.466858	20.32	2009.9	-3285.85
Base	588	147.7	None		0.4	-575.84	-311.6	-3566.14

Table: Concrete Slab Design - Punching Shear Data, Part 5 of 6

Table: Concrete Slab Design - Punching Shear Data, Part 5 of 6

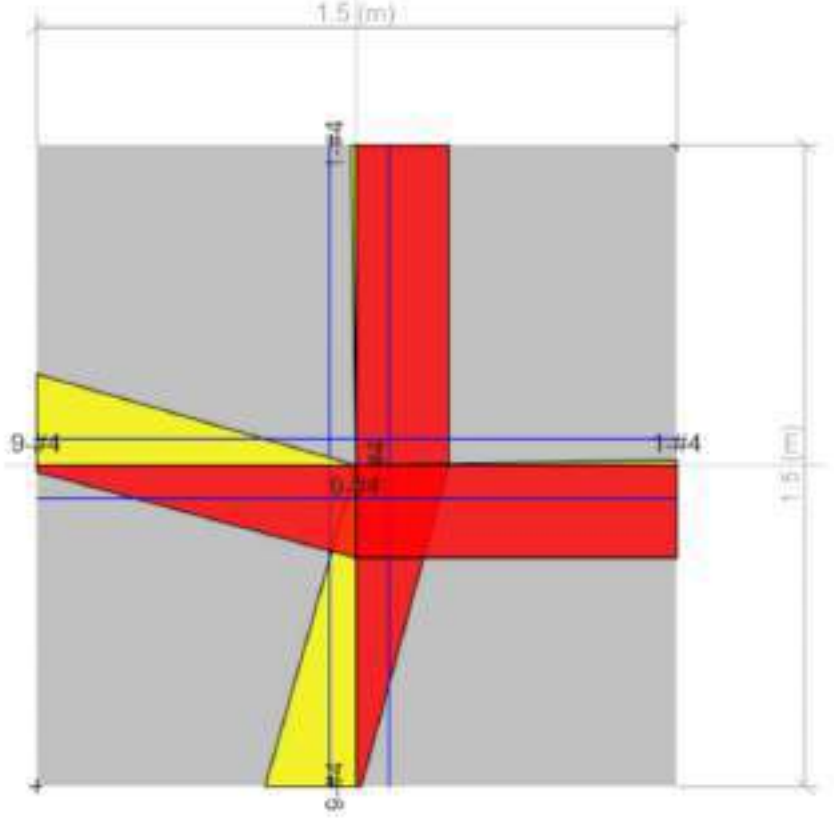
Story	Point	GlobalX	ReinfType	StudPerRail	Gamma_v3	UnbalMu2	UnbalMu3	Depth
Unitless	Unitless	m	Unitless	Unitless	Unitless	kgf-m	kgf-m	m
Base	355	130.9	None		0.336871	953.27	-8.02	0.3123
Base	485	130.9	None		0.4	-230.66	-191.43	0.3123
Base	500	135.55	None		0.4	-224.57	-166.46	0.3123
Base	501	135.55	None		0.4	-246.02	-168.78	0.3123
Base	531	139.2	None		0.4	-227.75	-171.81	0.3123
Base	533	139.2	None		0.4	-248.6	-180.73	0.3123
Base	570	143.32	None		0.4	-229.3	-168.13	0.3123
Base	574	143.32	None		0.4	-250.4	-173.31	0.3123
Base	583	147.7	None		0.466858	6.84	938.34	0.3123
Base	588	147.7	None		0.4	-230.33	-124.64	0.3123

Table: Concrete Slab Design - Punching Shear Data, Part 6 of 6

Table: Concrete Slab Design - Punching Shear Data, Part 6 of 6

Story	Point	GlobalX	ReinfType	StudPerRail	Gamma_v3	Perimeter	Location
Unitless	Unitless	m	Unitless	Unitless	Unitless	m	Unitless
Base	355	130.9	None		0.336671	2.72511	Edge
Base	485	130.9	None		0.4	2.4492	Interior
Base	500	135.55	None		0.4	2.4492	Interior
Base	501	135.55	None		0.4	2.4492	Interior
Base	531	139.2	None		0.4	2.4492	Interior
Base	533	139.2	None		0.4	2.4492	Interior
Base	570	143.32	None		0.4	2.4492	Interior
Base	574	143.32	None		0.4	2.4492	Interior
Base	583	147.7	None		0.466858	2.72511	Edge
Base	588	147.7	None		0.4	2.4492	Interior

1.11 ZAPATA Z1



Acero requerido #4@15cm en ambos sentidos

Table: Concrete Slab Design - Flexure and Shear Data, Part 1 of 4

Table: Concrete Slab Design - Flexure and Shear Data, Part 1 of 4

Story	StripObject	Station	ConcWidth	FTopCombo	FTopMoment	FTopArea	FTopAMin	FBotCombo
Unitless	Unitless	m	m	Unitless	kgf-m	m²	m²	Unitless
Base	CSA4	0	1.5	B.2.4-5b	-426.94	6.7E-05	0.001085	B.2.4-5b
Base	CSA4	0.75	1.5		0	0	0	B.2.4-5b
Base	CSA4	1.5	1.5	B.2.4-5b	-450.49	6.9E-05	0	B.2.4-5b
Base	CSB3	0	1.5	B.2.4-5b	-447.28	7E-05	0.001085	B.2.4-5b
Base	CSB3	0.75	1.5		0	0	0	B.2.4-5b
Base	CSB3	1.5	1.5	B.2.4-5b	-419.39	7E-05	0	B.2.4-5b

Table: Concrete Slab Design - Flexure and Shear Data, Part 2 of 4

Table: Concrete Slab Design - Flexure and Shear Data, Part 2 of 4

Story	StripObject	Station	FTopCombo	FBotCombo	FBotMoment	FBotArea	FBotAMin	AxialForce
Unitless	Unitless	m	Unitless	Unitless	kgf-m	m²	m²	kgf
Base	CSA4	0	B.2.4-5b	B.2.4-5b	342.84	6E-05	0	-1906.98
Base	CSA4	0.75		B.2.4-5b	1656.4	0.000182	0.001085	-1645.74

Table: Concrete Slab Design - Flexure and Shear Data, Part 2 of 4

Story	StripObject	Station	FTopCombo	FBotCombo	FBotMoment	FBotArea	FBotAMin	AxialForce
Unitless	Unitless	m	Unitless	Unitless	kgf-m	m²	m²	kgf
Base	CSA4	1.5	B.2.4-5b	B.2.4-5b	536.98	7.6E-05	0.001085	-1910.62
Base	CSB3	0	B.2.4-5b	B.2.4-5b	354.91	6.2E-05	0	-1803.73
Base	CSB3	0.75		B.2.4-5b	1833.23	0.00019	0.001085	-1787.29
Base	CSB3	1.5	B.2.4-5b	B.2.4-5b	492.26	7.6E-05	0.001085	-1942.97

Table: Concrete Slab Design - Flexure and Shear Data, Part 3 of 4

Table: Concrete Slab Design - Flexure and Shear Data, Part 3 of 4

Story	StripObject	Station	FTopCombo	FBotCombo	VCombo	VForce	VArea	Status
Unitless	Unitless	m	Unitless	Unitless	Unitless	kgf	m²/m	Unitless
Base	CSA4	0	B.2.4-5b	B.2.4-5b	B.2.4-3b	2840.26	0	OK
Base	CSA4	0.75		B.2.4-5b	B.2.4-3b	2450.09	0	OK
Base	CSA4	1.5	B.2.4-5b	B.2.4-5b	B.2.4-3b	2450.09	0	OK
Base	CSB3	0	B.2.4-5b	B.2.4-5b	B.2.4-3b	2866.56	0	OK
Base	CSB3	0.75		B.2.4-5b	B.2.4-3b	2429.44	0	OK
Base	CSB3	1.5	B.2.4-5b	B.2.4-5b	B.2.4-3b	2429.44	0	OK

Table: Concrete Slab Design - Flexure and Shear Data, Part 4 of 4

Table: Concrete Slab Design - Flexure and Shear Data, Part 4 of 4

Story	StripObject	Station	FTopCombo	FBotCombo	VCombo	GlobalX	GlobalY	Layer
Unitless	Unitless	m	Unitless	Unitless	Unitless	m	m	Unitless
Base	CSA4	0	B.2.4-5b	B.2.4-5b	B.2.4-3b	134.8	0	A
Base	CSA4	0.75		B.2.4-5b	B.2.4-3b	135.55	0	A
Base	CSA4	1.5	B.2.4-5b	B.2.4-5b	B.2.4-3b	136.3	0	A
Base	CSB3	0	B.2.4-5b	B.2.4-5b	B.2.4-3b	135.55	-0.75	B
Base	CSB3	0.75		B.2.4-5b	B.2.4-3b	135.55	0	B
Base	CSB3	1.5	B.2.4-5b	B.2.4-5b	B.2.4-3b	135.55	0.75	B

1.12 REACCIONES EN APOYOS

Table: Joint Reactions, Part 1 of 2

Table: Joint Reactions, Part 1 of 2

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX	FY	FZ
Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	tonf	tonf	tonf
Base	355	280	Servicio (Análisis Estático)	Combination	Max	0.2115	0.2325	14.5423
Base	355	280	Servicio (Análisis Estático)	Combination	Min	0.1221	0.0103	4.7968
Base	355	280	Servicio (Análisis con sismo)	Combination	Max	0.5589	0.7346	14.5423
Base	355	280	Servicio (Análisis con sismo)	Combination	Min	-0.2267	-0.3731	4.7968
Base	485	281	Servicio (Análisis Estático)	Combination	Max	0.5865	-0.1287	12.0206
Base	485	281	Servicio (Análisis Estático)	Combination	Min	0.3519	-0.4537	6.4989
Base	485	281	Servicio (Análisis con sismo)	Combination	Max	1.0337	0.3639	12.0206
Base	485	281	Servicio (Análisis con sismo)	Combination	Min	-0.0931	-0.733	6.1477
Base	500	282	Servicio (Análisis Estático)	Combination	Max	-0.0514	0.2349	14.2513
Base	500	282	Servicio (Análisis Estático)	Combination	Min	-0.0905	0.0447	5.8401
Base	500	282	Servicio (Análisis con sismo)	Combination	Max	0.5271	0.8164	14.2513
Base	500	282	Servicio (Análisis con sismo)	Combination	Min	-0.6688	-0.4513	5.8401
Base	501	283	Servicio (Análisis Estático)	Combination	Max	-0.1548	-0.1289	14.3658
Base	501	283	Servicio (Análisis Estático)	Combination	Min	-0.2592	-0.4144	7.8893
Base	501	283	Servicio (Análisis con sismo)	Combination	Max	0.473	0.4525	14.3658
Base	501	283	Servicio (Análisis con sismo)	Combination	Min	-0.8864	-0.813	7.5958

Table: Joint Reactions, Part 1 of 2

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX	FY	FZ
Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	tonf	tonf	tonf
Base	531	284	Servicio (Análisis Estático)	Combination	Max	0.0284	0.2318	13.9505
Base	531	284	Servicio (Análisis Estático)	Combination	Min	0.0161	0.0487	5.5582
Base	531	284	Servicio (Análisis con sismo)	Combination	Max	0.5981	0.8167	13.9505
Base	531	284	Servicio (Análisis con sismo)	Combination	Min	-0.5541	-0.4542	5.5582
Base	533	285	Servicio (Análisis Estático)	Combination	Max	0.062	-0.1282	13.6273
Base	533	285	Servicio (Análisis Estático)	Combination	Min	0.048	-0.4097	7.5019
Base	533	285	Servicio (Análisis con sismo)	Combination	Max	0.7019	0.453	13.658
Base	533	285	Servicio (Análisis con sismo)	Combination	Min	-0.572	-0.815	7.1621
Base	570	286	Servicio (Análisis Estático)	Combination	Max	0.0346	0.2399	14.7447
Base	570	286	Servicio (Análisis Estático)	Combination	Min	0.0168	0.0481	5.7528
Base	570	286	Servicio (Análisis con sismo)	Combination	Max	0.603	0.8485	14.7447
Base	570	286	Servicio (Análisis con sismo)	Combination	Min	-0.5525	-0.4797	5.7528
Base	574	287	Servicio (Análisis Estático)	Combination	Max	0.0978	-0.1304	15.1884
Base	574	287	Servicio (Análisis Estático)	Combination	Min	0.058	-0.4113	7.7778
Base	574	287	Servicio (Análisis con sismo)	Combination	Max	0.718	0.4837	15.1884
Base	574	287	Servicio (Análisis con sismo)	Combination	Min	-0.5623	-0.8405	7.758
Base	583	288	Servicio (Análisis Estático)	Combination	Max	-0.1047	0.23	14.312
Base	583	288	Servicio (Análisis Estático)	Combination	Min	-0.1863	0.0119	4.7712

Table: Joint Reactions, Part 1 of 2

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX	FY	FZ
Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	tonf	tonf	tonf
Base	583	288	Servicio (Análisis con sismo)	Combination	Max	0.2562	0.7093	14.312
Base	583	288	Servicio (Análisis con sismo)	Combination	Min	-0.5456	-0.3492	4.7712
Base	588	289	Servicio (Análisis Estático)	Combination	Max	-0.302	-0.1279	11.8136
Base	588	289	Servicio (Análisis Estático)	Combination	Min	-0.5069	-0.4501	6.4015
Base	588	289	Servicio (Análisis con sismo)	Combination	Max	0.1524	0.3378	11.8429
Base	588	289	Servicio (Análisis con sismo)	Combination	Min	-0.9609	-0.7067	6.0093

Table: Joint Reactions, Part 2 of 2

Table: Joint Reactions, Part 2 of 2

Story	Label	Unique Name	MX	MY	MZ
Unitless	Unitless	Unitless	tonf-m	tonf-m	tonf-m
Base	355	280	0.1439	0.0945	0.0017
Base	355	280	-0.114	0.0558	0.0002
Base	355	280	0.495	0.5189	0.0117
Base	355	280	-0.6664	-0.3691	-0.011
Base	485	281	0.3609	0.2629	0.0019
Base	485	281	0.0644	0.1572	0.0003
Base	485	281	0.6637	0.7201	0.011
Base	485	281	-0.4931	-0.2999	-0.0103
Base	500	282	0.107	-0.0253	0.0011
Base	500	282	-0.1144	-0.0456	-0.0002
Base	500	282	0.5513	0.5056	0.0082
Base	500	282	-0.7238	-0.5763	-0.0082
Base	501	283	0.3218	-0.0769	0.0011
Base	501	283	0.0643	-0.1288	-0.0002
Base	501	283	0.7218	0.4705	0.0082
Base	501	283	-0.5545	-0.6758	-0.0083
Base	531	284	0.1023	0.0117	4.916E-05
Base	531	284	-0.1111	0.0067	6.195E-06
Base	531	284	0.5581	0.5386	0.0069
Base	531	284	-0.728	-0.5205	-0.0068
Base	533	285	0.3168	0.0353	0.0001
Base	533	285	0.0633	0.0205	-4.353E-05
Base	533	285	0.7284	0.5788	0.0066
Base	533	285	-0.5589	-0.523	-0.0066
Base	570	286	0.1054	0.0162	0.0001

Table: Joint Reactions, Part 2 of 2

Story	Label	Unique Name	MX	MY	MZ
Unitless	Unitless	Unitless	tonf-m	tonf-m	tonf-m
Base	570	286	-0.118	0.0074	-0.0012
Base	570	286	0.5813	0.5423	0.0081
Base	570	286	-0.7564	-0.5194	-0.0081
Base	574	287	0.3203	0.0474	0.0001
Base	574	287	0.0654	0.028	-0.0012
Base	574	287	0.7512	0.5909	0.0081
Base	574	287	-0.5865	-0.5156	-0.0081
Base	583	288	0.1424	-0.0494	-0.0002
Base	583	288	-0.1107	-0.0859	-0.0016
Base	583	288	0.4826	0.3809	0.0116
Base	583	288	-0.6521	-0.5157	-0.0121
Base	588	289	0.3585	-0.1379	-0.0002
Base	588	289	0.0629	-0.2312	-0.0016
Base	588	289	0.6504	0.3237	0.0111
Base	588	289	-0.4786	-0.6926	-0.0116

1.13 VIGAS DE CIMENTACIÓN

Table: Concrete Beam Design Summary - ACI 318-08, Part 1 of 4

Table: Concrete Beam Design Summary - ACI 318-08, Part 1 of 4

Story	Label	UniqueName	DesignSect	Station	Status	AsTopCombo	AsMinTop	AsTop
Unitless	Unitless	Unitless	Unitless	m	Unitless	Unitless	m²	m²
Piso 1	B54	223	V(30x40)	0.15	No Message	B.2.4-5b	0.000196	0.000196
Piso 1	B54	223	V(30x40)	0.605	No Message	B.2.4-5b	0.000133	0.000133
Piso 1	B54	223	V(30x40)	1.06	No Message	B.2.4-7b	8.1E-05	8.1E-05
Piso 1	B54	223	V(30x40)	1.515	No Message	B.2.4-5b	5.4E-05	5.4E-05
Piso 1	B54	223	V(30x40)	1.97	No Message	B.2.4-5b	5.4E-05	5.4E-05
Piso 1	B54	223	V(30x40)	2.425	No Message	B.2.4-5b	5.4E-05	5.4E-05
Piso 1	B54	223	V(30x40)	2.88	No Message	B.2.4-5b	5.4E-05	5.4E-05
Piso 1	B54	223	V(30x40)	3.335	No Message	B.2.4-5b	5.4E-05	5.4E-05
Piso 1	B54	223	V(30x40)	3.79	No Message	B.2.4-7b	8.8E-05	8.8E-05
Piso 1	B54	223	V(30x40)	4.245	No Message	B.2.4-5b	0.000144	0.000144
Piso 1	B54	223	V(30x40)	4.7	No Message	B.2.4-5b	0.00021	0.00021
Piso 1	B104	225	V(30x40)	0.15	No Message	B.2.4-5b	0.000217	0.000217
Piso 1	B104	225	V(30x40)	0.605	No Message	B.2.4-5b	0.00015	0.00015
Piso 1	B104	225	V(30x40)	1.06	No Message	B.2.4-7b	9.2E-05	9.2E-05
Piso 1	B104	225	V(30x40)	1.515	No Message	B.2.4-5b	5.7E-05	5.7E-05
Piso 1	B104	225	V(30x40)	1.97	No Message	B.2.4-5b	5.7E-05	5.7E-05
Piso 1	B104	225	V(30x40)	2.425	No Message	B.2.4-5b	5.7E-05	5.7E-05
Piso 1	B104	225	V(30x40)	2.88	No Message	B.2.4-5b	5.7E-05	5.7E-05
Piso 1	B104	225	V(30x40)	3.335	No Message	B.2.4-5b	5.7E-05	5.7E-05
Piso 1	B104	225	V(30x40)	3.79	No Message	B.2.4-7b	8.4E-05	8.4E-05
Piso 1	B104	225	V(30x40)	4.245	No Message	B.2.4-5b	0.000135	0.000135
Piso 1	B104	225	V(30x40)	4.7	No Message	B.2.4-5b	0.000198	0.000198
Piso 1	B147	242	V(30x40)	0.15	No Message	B.2.4-5b	0.000216	0.000216
Piso 1	B147	242	V(30x40)	0.605	No Message	B.2.4-5b	0.000149	0.000149
Piso 1	B147	242	V(30x40)	1.06	No Message	B.2.4-7b	9.2E-05	9.2E-05
Piso 1	B147	242	V(30x40)	1.515	No Message	B.2.4-5b	5.6E-05	5.6E-05
Piso 1	B147	242	V(30x40)	1.97	No Message	B.2.4-5b	5.6E-05	5.6E-05
Piso 1	B147	242	V(30x40)	2.425	No Message	B.2.4-5b	5.6E-05	5.6E-05
Piso 1	B147	242	V(30x40)	2.88	No Message	B.2.4-5b	5.6E-05	5.6E-05
Piso 1	B147	242	V(30x40)	3.335	No Message	B.2.4-5b	5.6E-05	5.6E-05
Piso 1	B147	242	V(30x40)	3.79	No Message	B.2.4-7b	8.6E-05	8.6E-05
Piso 1	B147	242	V(30x40)	4.245	No Message	B.2.4-5b	0.000137	0.000137
Piso 1	B147	242	V(30x40)	4.7	No Message	B.2.4-5b	0.000201	0.000201
Piso 1	B152	243	V(30x40)	0.15	No Message	B.2.4-5b	0.000223	0.000223
Piso 1	B152	243	V(30x40)	0.605	No Message	B.2.4-5b	0.000155	0.000155
Piso 1	B152	243	V(30x40)	1.06	No Message	B.2.4-7b	9.6E-05	9.6E-05
Piso 1	B152	243	V(30x40)	1.515	No Message	B.2.4-5b	5.8E-05	5.8E-05
Piso 1	B152	243	V(30x40)	1.97	No Message	B.2.4-5b	5.8E-05	5.8E-05
Piso 1	B152	243	V(30x40)	2.425	No Message	B.2.4-5b	5.8E-05	5.8E-05
Piso 1	B152	243	V(30x40)	2.88	No Message	B.2.4-5b	5.8E-05	5.8E-05
Piso 1	B152	243	V(30x40)	3.335	No Message	B.2.4-5b	5.8E-05	5.8E-05
Piso 1	B152	243	V(30x40)	3.79	No Message	B.2.4-7b	8.6E-05	8.6E-05
Piso 1	B152	243	V(30x40)	4.245	No Message	B.2.4-5b	0.000137	0.000137

Table: Concrete Beam Design Summary - ACI 318-08, Part 1 of 4

Story	Label	UniqueName	DesignSect	Station	Status	AsTopCombo	AsMinTop	AsTop
Unitless	Unitless	Unitless	Unitless	m	Unitless	Unitless	m²	m²
Piso 1	B152	243	V(30x40)	4.7	No Message	B.2.4-5b	0.000201	0.000201
Piso 1	B156	244	V(30x40)	0.15	No Message	B.2.4-5b	0.000194	0.000194
Piso 1	B156	244	V(30x40)	0.605	No Message	B.2.4-5b	0.000131	0.000131
Piso 1	B156	244	V(30x40)	1.06	No Message	B.2.4-7b	8E-05	8E-05
Piso 1	B156	244	V(30x40)	1.515	No Message	B.2.4-5b	5.4E-05	5.4E-05
Piso 1	B156	244	V(30x40)	1.97	No Message	B.2.4-5b	5.4E-05	5.4E-05
Piso 1	B156	244	V(30x40)	2.425	No Message	B.2.4-5b	5.4E-05	5.4E-05
Piso 1	B156	244	V(30x40)	2.88	No Message	B.2.4-5b	5.4E-05	5.4E-05
Piso 1	B156	244	V(30x40)	3.335	No Message	B.2.4-5b	5.4E-05	5.4E-05
Piso 1	B156	244	V(30x40)	3.79	No Message	B.2.4-7b	8.8E-05	8.8E-05
Piso 1	B156	244	V(30x40)	4.245	No Message	B.2.4-5b	0.000144	0.000144
Piso 1	B156	244	V(30x40)	4.7	No Message	B.2.4-5b	0.00021	0.00021
Piso 1	B313	246	V(30x40)	0.15	No Message	B.2.4-5b	0.000161	0.000161
Piso 1	B313	246	V(30x40)	0.63333	No Message	B.2.4-5b	0.000104	0.000104
Piso 1	B313	246	V(30x40)	1.11667	No Message	B.2.4-7b	5.9E-05	5.9E-05
Piso 1	B313	246	V(30x40)	1.6	No Message	B.2.4-5b	4E-05	4E-05
Piso 1	B313	246	V(30x40)	2.08333	No Message	B.2.4-5b	4E-05	4E-05
Piso 1	B313	246	V(30x40)	2.56667	No Message	B.2.4-5b	4E-05	4E-05
Piso 1	B313	246	V(30x40)	3.05	No Message	B.2.4-5b	4E-05	4E-05
Piso 1	B313	246	V(30x40)	3.53333	No Message	B.2.4-5b	4E-05	4E-05
Piso 1	B313	246	V(30x40)	4.01667	No Message	B.2.4-5b	7.9E-05	7.9E-05
Piso 1	B313	246	V(30x40)	4.5	No Message	B.2.4-5b	0.000134	0.000134
Piso 1	B318	247	V(30x40)	0.15	No Message	B.2.4-5b	0.000132	0.000132
Piso 1	B318	247	V(30x40)	0.62857	No Message	B.2.4-5b	8E-05	8E-05
Piso 1	B318	247	V(30x40)	1.10714	No Message	B.2.4-7b	3.8E-05	3.8E-05
Piso 1	B318	247	V(30x40)	1.58571	No Message	B.2.4-5b	3.4E-05	3.4E-05
Piso 1	B318	247	V(30x40)	2.06429	No Message	B.2.4-5b	3.4E-05	3.4E-05
Piso 1	B318	247	V(30x40)	2.54286	No Message	B.2.4-7b	3.8E-05	3.8E-05
Piso 1	B318	247	V(30x40)	3.02143	No Message	B.2.4-5b	8.1E-05	8.1E-05
Piso 1	B318	247	V(30x40)	3.5	No Message	B.2.4-5b	0.000135	0.000135
Piso 1	B320	248	V(30x40)	0.15	No Message	B.2.4-5b	0.000145	0.000145
Piso 1	B320	248	V(30x40)	0.6275	No Message	B.2.4-5b	9E-05	9E-05
Piso 1	B320	248	V(30x40)	1.105	No Message	B.2.4-7b	4.5E-05	4.5E-05
Piso 1	B320	248	V(30x40)	1.5825	No Message	B.2.4-5b	3.6E-05	3.6E-05
Piso 1	B320	248	V(30x40)	2.06	No Message	B.2.4-5b	3.6E-05	3.6E-05
Piso 1	B320	248	V(30x40)	2.5375	No Message	B.2.4-5b	3.6E-05	3.6E-05
Piso 1	B320	248	V(30x40)	3.015	No Message	B.2.4-7b	4.1E-05	4.1E-05
Piso 1	B320	248	V(30x40)	3.4925	No Message	B.2.4-5b	8.1E-05	8.1E-05
Piso 1	B320	248	V(30x40)	3.97	No Message	B.2.4-5b	0.000133	0.000133
Piso 1	B321	249	V(30x40)	0.15	No Message	B.2.4-5b	0.000122	0.000122
Piso 1	B321	249	V(30x40)	0.60333	No Message	B.2.4-5b	7.2E-05	7.2E-05
Piso 1	B321	249	V(30x40)	1.05667	No Message	B.2.4-5b	4E-05	4E-05
Piso 1	B321	249	V(30x40)	1.51	No Message	B.2.4-5b	4E-05	4E-05
Piso 1	B321	249	V(30x40)	1.96333	No Message	B.2.4-5b	4E-05	4E-05
Piso 1	B321	249	V(30x40)	2.41667	No Message	B.2.4-5b	4E-05	4E-05
Piso 1	B321	249	V(30x40)	2.87	No Message	B.2.4-5b	4E-05	4E-05
Piso 1	B321	249	V(30x40)	3.32333	No Message	B.2.4-7b	6.2E-05	6.2E-05
Piso 1	B321	249	V(30x40)	3.77667	No Message	B.2.4-5b	0.000106	0.000106

Table: Concrete Beam Design Summary - ACI 318-08, Part 1 of 4

Story	Label	UniqueName	DesignSect	Station	Status	AsTopCombo	AsMinTop	AsTop
Unitless	Unitless	Unitless	Unitless	m	Unitless	Unitless	m²	m²
Piso 1	B321	249	V(30x40)	4.23	No Message	B.2.4-5b	0.00016	0.00016
Piso 1	B374	251	V(30x40)	0.15	No Message	B.2.4-5b	0.000247	0.000247
Piso 1	B374	251	V(30x40)	0.63333	No Message	B.2.4-5b	0.000125	0.000125
Piso 1	B374	251	V(30x40)	1.11667	No Message	B.2.4-5b	6E-05	6E-05
Piso 1	B374	251	V(30x40)	1.6	No Message	B.2.4-5b	6E-05	6E-05
Piso 1	B374	251	V(30x40)	2.08333	No Message	B.2.4-5b	6E-05	6E-05
Piso 1	B374	251	V(30x40)	2.56667	No Message	B.2.4-5b	6E-05	6E-05
Piso 1	B374	251	V(30x40)	3.05	No Message	B.2.4-5b	6E-05	6E-05
Piso 1	B374	251	V(30x40)	3.53333	No Message	B.2.4-5b	6E-05	6E-05
Piso 1	B374	251	V(30x40)	4.01667	No Message	B.2.4-5b	8.5E-05	8.5E-05
Piso 1	B374	251	V(30x40)	4.5	No Message	B.2.4-5b	0.000202	0.000202
Piso 1	B383	252	V(30x40)	0.15	No Message	B.2.4-5b	0.000195	0.000195
Piso 1	B383	252	V(30x40)	0.62857	No Message	B.2.4-5b	9.6E-05	9.6E-05
Piso 1	B383	252	V(30x40)	1.10714	No Message	B.2.4-5b	4.8E-05	4.8E-05
Piso 1	B383	252	V(30x40)	1.58571	No Message	B.2.4-5b	4.8E-05	4.8E-05
Piso 1	B383	252	V(30x40)	2.06429	No Message	B.2.4-5b	4.8E-05	4.8E-05
Piso 1	B383	252	V(30x40)	2.54286	No Message	B.2.4-5b	4.8E-05	4.8E-05
Piso 1	B383	252	V(30x40)	3.02143	No Message	B.2.4-5b	9.1E-05	9.1E-05
Piso 1	B383	252	V(30x40)	3.5	No Message	B.2.4-5b	0.00019	0.00019
Piso 1	B384	253	V(30x40)	0.15	No Message	B.2.4-5b	0.000213	0.000213
Piso 1	B384	253	V(30x40)	0.6275	No Message	B.2.4-5b	0.000104	0.000104
Piso 1	B384	253	V(30x40)	1.105	No Message	B.2.4-5b	5.2E-05	5.2E-05
Piso 1	B384	253	V(30x40)	1.5825	No Message	B.2.4-5b	5.2E-05	5.2E-05
Piso 1	B384	253	V(30x40)	2.06	No Message	B.2.4-5b	5.2E-05	5.2E-05
Piso 1	B384	253	V(30x40)	2.5375	No Message	B.2.4-5b	5.2E-05	5.2E-05
Piso 1	B384	253	V(30x40)	3.015	No Message	B.2.4-5b	5.2E-05	5.2E-05
Piso 1	B384	253	V(30x40)	3.4925	No Message	B.2.4-5b	9.8E-05	9.8E-05
Piso 1	B384	253	V(30x40)	3.97	No Message	B.2.4-5b	0.000205	0.000205
Piso 1	B385	254	V(30x40)	0.15	No Message	B.2.4-5b	0.000181	0.000181
Piso 1	B385	254	V(30x40)	0.60333	No Message	B.2.4-5b	7.8E-05	7.8E-05
Piso 1	B385	254	V(30x40)	1.05667	No Message	B.2.4-5b	5.8E-05	5.8E-05
Piso 1	B385	254	V(30x40)	1.51	No Message	B.2.4-5b	5.8E-05	5.8E-05
Piso 1	B385	254	V(30x40)	1.96333	No Message	B.2.4-5b	5.8E-05	5.8E-05
Piso 1	B385	254	V(30x40)	2.41667	No Message	B.2.4-5b	5.8E-05	5.8E-05
Piso 1	B385	254	V(30x40)	2.87	No Message	B.2.4-5b	5.8E-05	5.8E-05
Piso 1	B385	254	V(30x40)	3.32333	No Message	B.2.4-5b	5.8E-05	5.8E-05
Piso 1	B385	254	V(30x40)	3.77667	No Message	B.2.4-5b	0.000128	0.000128
Piso 1	B385	254	V(30x40)	4.23	No Message	B.2.4-5b	0.000239	0.000239

Table: Concrete Beam Design Summary - ACI 318-08, Part 2 of 4

Table: Concrete Beam Design Summary - ACI 318-08, Part 2 of 4

Story	Label	UniqueName	Station	AsBotCombo	AsMinBot	AsBot	VCombo	VRebar
Unitless	Unitless	Unitless	m	Unitless	m²	m²	Unitless	m²/m
Piso 1	B54	223	0.15	B.2.4-7b	0.00013	0.00013	B.2.4-7b	0.00025
Piso 1	B54	223	0.605	B.2.4-7b	0.000122	0.000122	B.2.4-7b	0.00025
Piso 1	B54	223	1.06	B.2.4-5b	0.000114	0.000114	B.2.4-7b	0.00025

Table: Concrete Beam Design Summary - ACI 318-08, Part 2 of 4

Story	Label	UniqueName	Station	AsBotCombo	AsMinBot	AsBot	VCombo	VRebar
Unitless	Unitless	Unitless	m	Unitless	m²	m²	Unitless	m²/m
Piso 1	B54	223	1.515	B.2.4-5b	9.9E-05	9.9E-05	B.2.4-7b	0.00025
Piso 1	B54	223	1.97	B.2.4-5b	7.8E-05	7.8E-05	B.2.4-7b	0.00025
Piso 1	B54	223	2.425	B.2.4-1	5.5E-05	5.5E-05	B.2.4-7b	0.00025
Piso 1	B54	223	2.88	B.2.4-5b	7.6E-05	7.6E-05	B.2.4-7b	0.00025
Piso 1	B54	223	3.335	B.2.4-5b	9.5E-05	9.5E-05	B.2.4-7b	0.00025
Piso 1	B54	223	3.79	B.2.4-5b	0.000107	0.000107	B.2.4-7b	0.00025
Piso 1	B54	223	4.245	B.2.4-7b	0.000115	0.000115	B.2.4-7b	0.00025
Piso 1	B54	223	4.7	B.2.4-7b	0.000121	0.000121	B.2.4-7b	0.00025
Piso 1	B104	225	0.15	B.2.4-7b	0.000122	0.000122	B.2.4-7b	0.00025
Piso 1	B104	225	0.605	B.2.4-7b	0.000116	0.000116	B.2.4-7b	0.00025
Piso 1	B104	225	1.06	B.2.4-5b	0.000107	0.000107	B.2.4-7b	0.00025
Piso 1	B104	225	1.515	B.2.4-5b	9.6E-05	9.6E-05	B.2.4-7b	0.00025
Piso 1	B104	225	1.97	B.2.4-5b	7.7E-05	7.7E-05	B.2.4-7b	0.00025
Piso 1	B104	225	2.425	B.2.4-5b	5.7E-05	5.7E-05	B.2.4-7b	0.00025
Piso 1	B104	225	2.88	B.2.4-5b	8.1E-05	8.1E-05	B.2.4-7b	0.00025
Piso 1	B104	225	3.335	B.2.4-5b	0.000104	0.000104	B.2.4-7b	0.00025
Piso 1	B104	225	3.79	B.2.4-5b	0.00012	0.00012	B.2.4-7b	0.00025
Piso 1	B104	225	4.245	B.2.4-7b	0.000129	0.000129	B.2.4-7b	0.00025
Piso 1	B104	225	4.7	B.2.4-7b	0.000137	0.000137	B.2.4-7b	0.00025
Piso 1	B147	242	0.15	B.2.4-7b	0.000124	0.000124	B.2.4-7b	0.00025
Piso 1	B147	242	0.605	B.2.4-7b	0.000118	0.000118	B.2.4-7b	0.00025
Piso 1	B147	242	1.06	B.2.4-5b	0.000109	0.000109	B.2.4-7b	0.00025
Piso 1	B147	242	1.515	B.2.4-5b	9.7E-05	9.7E-05	B.2.4-7b	0.00025
Piso 1	B147	242	1.97	B.2.4-5b	7.7E-05	7.7E-05	B.2.4-7b	0.00025
Piso 1	B147	242	2.425	B.2.4-5b	5.6E-05	5.6E-05	B.2.4-7b	0.00025
Piso 1	B147	242	2.88	B.2.4-5b	8.1E-05	8.1E-05	B.2.4-7b	0.00025
Piso 1	B147	242	3.335	B.2.4-5b	0.000103	0.000103	B.2.4-7b	0.00025
Piso 1	B147	242	3.79	B.2.4-5b	0.000119	0.000119	B.2.4-7b	0.00025
Piso 1	B147	242	4.245	B.2.4-7b	0.000128	0.000128	B.2.4-7b	0.00025
Piso 1	B147	242	4.7	B.2.4-7b	0.000136	0.000136	B.2.4-7b	0.00025
Piso 1	B152	243	0.15	B.2.4-7b	0.000125	0.000125	B.2.4-7b	0.00025
Piso 1	B152	243	0.605	B.2.4-7b	0.000119	0.000119	B.2.4-7b	0.00025
Piso 1	B152	243	1.06	B.2.4-5b	0.000109	0.000109	B.2.4-7b	0.00025
Piso 1	B152	243	1.515	B.2.4-5b	9.7E-05	9.7E-05	B.2.4-7b	0.00025
Piso 1	B152	243	1.97	B.2.4-5b	7.7E-05	7.7E-05	B.2.4-7b	0.00025
Piso 1	B152	243	2.425	B.2.4-5b	5.8E-05	5.8E-05	B.2.4-7b	0.00025
Piso 1	B152	243	2.88	B.2.4-5b	8.2E-05	8.2E-05	B.2.4-7b	0.00025
Piso 1	B152	243	3.335	B.2.4-5b	0.000106	0.000106	B.2.4-7b	0.00025
Piso 1	B152	243	3.79	B.2.4-5b	0.000123	0.000123	B.2.4-7b	0.00025
Piso 1	B152	243	4.245	B.2.4-7b	0.000133	0.000133	B.2.4-7b	0.00025
Piso 1	B152	243	4.7	B.2.4-7b	0.000143	0.000143	B.2.4-7b	0.00025
Piso 1	B156	244	0.15	B.2.4-7b	0.000129	0.000129	B.2.4-7b	0.00025
Piso 1	B156	244	0.605	B.2.4-7b	0.000122	0.000122	B.2.4-7b	0.00025
Piso 1	B156	244	1.06	B.2.4-5b	0.000114	0.000114	B.2.4-7b	0.00025
Piso 1	B156	244	1.515	B.2.4-5b	9.9E-05	9.9E-05	B.2.4-7b	0.00025
Piso 1	B156	244	1.97	B.2.4-5b	7.7E-05	7.7E-05	B.2.4-7b	0.00025
Piso 1	B156	244	2.425	B.2.4-1	5.5E-05	5.5E-05	B.2.4-7b	0.00025
Piso 1	B156	244	2.88	B.2.4-5b	7.5E-05	7.5E-05	B.2.4-7b	0.00025

Table: Concrete Beam Design Summary - ACI 318-08, Part 2 of 4

Story	Label	UniqueName	Station	AsBotCombo	AsMinBot	AsBot	VCombo	VRebar
Unitless	Unitless	Unitless	m	Unitless	m²	m²	Unitless	m²/m
Piso 1	B156	244	3.335	B.2.4-5b	9.4E-05	9.4E-05	B.2.4-7b	0.00025
Piso 1	B156	244	3.79	B.2.4-5b	0.000105	0.000105	B.2.4-7b	0.00025
Piso 1	B156	244	4.245	B.2.4-7b	0.000113	0.000113	B.2.4-7b	0.00025
Piso 1	B156	244	4.7	B.2.4-7b	0.000119	0.000119	B.2.4-7b	0.00025
Piso 1	B313	246	0.15	B.2.4-7b	8.3E-05	8.3E-05	B.2.4-7b	0.00025
Piso 1	B313	246	0.63333	B.2.4-7b	8.5E-05	8.5E-05	B.2.4-7b	0.00025
Piso 1	B313	246	1.11667	B.2.4-5b	8.4E-05	8.4E-05	B.2.4-7b	0.00025
Piso 1	B313	246	1.6	B.2.4-5b	7.7E-05	7.7E-05	B.2.4-7b	0.00025
Piso 1	B313	246	2.08333	B.2.4-5b	6.3E-05	6.3E-05	B.2.4-7b	0.00025
Piso 1	B313	246	2.56667	B.2.4-1	4.6E-05	4.6E-05	B.2.4-7b	0.00025
Piso 1	B313	246	3.05	B.2.4-5b	5.6E-05	5.6E-05	B.2.4-7b	0.00025
Piso 1	B313	246	3.53333	B.2.4-5b	6.3E-05	6.3E-05	B.2.4-7b	0.00025
Piso 1	B313	246	4.01667	B.2.4-7b	6.4E-05	6.4E-05	B.2.4-7b	0.00025
Piso 1	B313	246	4.5	B.2.4-5b	6.7E-05	6.7E-05	B.2.4-7b	0.00025
Piso 1	B318	247	0.15	B.2.4-7b	7.8E-05	7.8E-05	B.2.4-7b	0.00025
Piso 1	B318	247	0.62857	B.2.4-7b	6.7E-05	6.7E-05	B.2.4-7b	0.00025
Piso 1	B318	247	1.10714	B.2.4-5b	5.2E-05	5.2E-05	B.2.4-7b	0.00025
Piso 1	B318	247	1.58571	B.2.4-5b	3.4E-05	3.4E-05	B.2.4-7b	0.00025
Piso 1	B318	247	2.06429	B.2.4-5b	3.4E-05	3.4E-05	B.2.4-7b	0.00025
Piso 1	B318	247	2.54286	B.2.4-5b	4.7E-05	4.7E-05	B.2.4-7b	0.00025
Piso 1	B318	247	3.02143	B.2.4-7b	6.2E-05	6.2E-05	B.2.4-7b	0.00025
Piso 1	B318	247	3.5	B.2.4-7b	7.2E-05	7.2E-05	B.2.4-7b	0.00025
Piso 1	B320	248	0.15	B.2.4-5b	7.2E-05	7.2E-05	B.2.4-7b	0.00025
Piso 1	B320	248	0.6275	B.2.4-7b	6.4E-05	6.4E-05	B.2.4-7b	0.00025
Piso 1	B320	248	1.105	B.2.4-5b	5.7E-05	5.7E-05	B.2.4-7b	0.00025
Piso 1	B320	248	1.5825	B.2.4-5b	4.5E-05	4.5E-05	B.2.4-7b	0.00025
Piso 1	B320	248	2.06	B.2.4-5b	3.6E-05	3.6E-05	B.2.4-7b	0.00025
Piso 1	B320	248	2.5375	B.2.4-5b	5E-05	5E-05	B.2.4-7b	0.00025
Piso 1	B320	248	3.015	B.2.4-5b	6.6E-05	6.6E-05	B.2.4-7b	0.00025
Piso 1	B320	248	3.4925	B.2.4-7b	7.4E-05	7.4E-05	B.2.4-7b	0.00025
Piso 1	B320	248	3.97	B.2.4-7b	7.9E-05	7.9E-05	B.2.4-7b	0.00025
Piso 1	B321	249	0.15	B.2.4-7b	6.9E-05	6.9E-05	B.2.4-7b	0.00025
Piso 1	B321	249	0.60333	B.2.4-7b	6.7E-05	6.7E-05	B.2.4-7b	0.00025
Piso 1	B321	249	1.05667	B.2.4-5b	6.3E-05	6.3E-05	B.2.4-7b	0.00025
Piso 1	B321	249	1.51	B.2.4-5b	5.3E-05	5.3E-05	B.2.4-7b	0.00025
Piso 1	B321	249	1.96333	B.2.4-1	4.1E-05	4.1E-05	B.2.4-7b	0.00025
Piso 1	B321	249	2.41667	B.2.4-5b	5.8E-05	5.8E-05	B.2.4-7b	0.00025
Piso 1	B321	249	2.87	B.2.4-5b	7.2E-05	7.2E-05	B.2.4-7b	0.00025
Piso 1	B321	249	3.32333	B.2.4-5b	7.9E-05	7.9E-05	B.2.4-7b	0.00025
Piso 1	B321	249	3.77667	B.2.4-7b	8.3E-05	8.3E-05	B.2.4-7b	0.00025
Piso 1	B321	249	4.23	B.2.4-7b	8.3E-05	8.3E-05	B.2.4-7b	0.00025
Piso 1	B374	251	0.15	B.2.4-5b	0.000122	0.000122	B.2.4-5b	0.00025
Piso 1	B374	251	0.63333	B.2.4-7b	6.1E-05	6.1E-05	B.2.4-7b	0
Piso 1	B374	251	1.11667	B.2.4-5b	0.000102	0.000102	B.2.4-7b	0
Piso 1	B374	251	1.6	B.2.4-5b	0.00013	0.00013	B.2.4-7b	0
Piso 1	B374	251	2.08333	B.2.4-5b	0.000134	0.000134	B.2.4-7b	0
Piso 1	B374	251	2.56667	B.2.4-1	0.000132	0.000132	B.2.4-7b	0
Piso 1	B374	251	3.05	B.2.4-5b	0.000115	0.000115	B.2.4-7b	0

Table: Concrete Beam Design Summary - ACI 318-08, Part 2 of 4

Story	Label	UniqueName	Station	AsBotCombo	AsMinBot	AsBot	VCombo	VRebar
Unitless	Unitless	Unitless	m	Unitless	m²	m²	Unitless	m²/m
Piso 1	B374	251	3.53333	B.2.4-5b	9.2E-05	9.2E-05	B.2.4-7b	0
Piso 1	B374	251	4.01667	B.2.4-5b	6E-05	6E-05	B.2.4-7b	0
Piso 1	B374	251	4.5	B.2.4-5b	9.9E-05	9.9E-05	B.2.4-5b	0.00025
Piso 1	B383	252	0.15	B.2.4-5b	9.7E-05	9.7E-05	B.2.4-7b	0.00026
Piso 1	B383	252	0.62857	B.2.4-7b	5E-05	5E-05	B.2.4-7b	0.00025
Piso 1	B383	252	1.10714	B.2.4-5b	6.3E-05	6.3E-05	B.2.4-7b	0.00025
Piso 1	B383	252	1.58571	B.2.4-5b	5.9E-05	5.9E-05	B.2.4-7b	0.00025
Piso 1	B383	252	2.06429	B.2.4-5b	5.7E-05	5.7E-05	B.2.4-7b	0.00025
Piso 1	B383	252	2.54286	B.2.4-5b	6.2E-05	6.2E-05	B.2.4-7b	0.00025
Piso 1	B383	252	3.02143	B.2.4-7b	5E-05	5E-05	B.2.4-7b	0.00025
Piso 1	B383	252	3.5	B.2.4-5b	9.4E-05	9.4E-05	B.2.4-7b	0.00026
Piso 1	B384	253	0.15	B.2.4-5b	0.000105	0.000105	B.2.4-7b	0.00027
Piso 1	B384	253	0.6275	B.2.4-5b	5.2E-05	5.2E-05	B.2.4-7b	0.00025
Piso 1	B384	253	1.105	B.2.4-5b	7.5E-05	7.5E-05	B.2.4-7b	0.00025
Piso 1	B384	253	1.5825	B.2.4-5b	8.7E-05	8.7E-05	B.2.4-7b	0.00025
Piso 1	B384	253	2.06	B.2.4-1	8.7E-05	8.7E-05	B.2.4-7b	0.00025
Piso 1	B384	253	2.5375	B.2.4-5b	9.1E-05	9.1E-05	B.2.4-7b	0.00025
Piso 1	B384	253	3.015	B.2.4-5b	8.2E-05	8.2E-05	B.2.4-7b	0.00025
Piso 1	B384	253	3.4925	B.2.4-7b	5.7E-05	5.7E-05	B.2.4-7b	0.00025
Piso 1	B384	253	3.97	B.2.4-5b	0.000101	0.000101	B.2.4-7b	0.00027
Piso 1	B385	254	0.15	B.2.4-5b	8.9E-05	8.9E-05	B.2.4-5b	0.00025
Piso 1	B385	254	0.60333	B.2.4-5b	5.8E-05	5.8E-05	B.2.4-7b	0
Piso 1	B385	254	1.05667	B.2.4-5b	8.9E-05	8.9E-05	B.2.4-7b	0
Piso 1	B385	254	1.51	B.2.4-5b	0.000105	0.000105	B.2.4-7b	0
Piso 1	B385	254	1.96333	B.2.4-1	0.000116	0.000116	B.2.4-7b	0
Piso 1	B385	254	2.41667	B.2.4-5b	0.00012	0.00012	B.2.4-7b	0
Piso 1	B385	254	2.87	B.2.4-5b	0.000117	0.000117	B.2.4-7b	0
Piso 1	B385	254	3.32333	B.2.4-5b	9.4E-05	9.4E-05	B.2.4-7b	0
Piso 1	B385	254	3.77667	B.2.4-7b	6E-05	6E-05	B.2.4-7b	0
Piso 1	B385	254	4.23	B.2.4-5b	0.000118	0.000118	B.2.4-5b	0.00025

Table: Concrete Beam Design Summary - ACI 318-08, Part 3 of 4

Table: Concrete Beam Design Summary - ACI 318-08, Part 3 of 4

Story	Label	UniqueName	Station	TLngCombo	TLngRebar	TTrnCombo	TTrnRebar	WarnMsg
Unitless	Unitless	Unitless	m	Unitless	m²	Unitless	m²/m	Unitless
Piso 1	B54	223	0.15	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B54	223	0.605	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B54	223	1.06	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B54	223	1.515	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B54	223	1.97	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B54	223	2.425	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B54	223	2.88	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B54	223	3.335	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B54	223	3.79	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B54	223	4.245	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B54	223	4.7	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B104	225	0.15	B.2.4-7b	0	B.2.4-7b	0	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 3 of 4

Story	Label	UniqueName	Station	TLngCombo	TLngRebar	TTrnCombo	TTrnRebar	WarnMsg
Unitless	Unitless	Unitless	m	Unitless	m²	Unitless	m²/m	Unitless
Piso 1	B104	225	0.605	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B104	225	1.06	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B104	225	1.515	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B104	225	1.97	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B104	225	2.425	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B104	225	2.88	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B104	225	3.335	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B104	225	3.79	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B104	225	4.245	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B104	225	4.7	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B147	242	0.15	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B147	242	0.605	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B147	242	1.06	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B147	242	1.515	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B147	242	1.97	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B147	242	2.425	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B147	242	2.88	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B147	242	3.335	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B147	242	3.79	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B147	242	4.245	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B147	242	4.7	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B152	243	0.15	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B152	243	0.605	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B152	243	1.06	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B152	243	1.515	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B152	243	1.97	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B152	243	2.425	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B152	243	2.88	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B152	243	3.335	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B152	243	3.79	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B152	243	4.245	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B152	243	4.7	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B156	244	0.15	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B156	244	0.605	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B156	244	1.06	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B156	244	1.515	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B156	244	1.97	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B156	244	2.425	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B156	244	2.88	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B156	244	3.335	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B156	244	3.79	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B156	244	4.245	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B156	244	4.7	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B313	246	0.15	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B313	246	0.63333	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B313	246	1.11667	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B313	246	1.6	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B313	246	2.08333	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B313	246	2.56667	B.2.4-7b	0	B.2.4-7b	0	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 3 of 4

Story	Label	UniqueName	Station	TLngCombo	TLngRebar	TTrnCombo	TTrnRebar	WarnMsg
Unitless	Unitless	Unitless	m	Unitless	m²	Unitless	m²/m	Unitless
Piso 1	B313	246	3.05	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B313	246	3.53333	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B313	246	4.01667	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B313	246	4.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B318	247	0.15	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B318	247	0.62857	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B318	247	1.10714	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B318	247	1.58571	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B318	247	2.06429	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B318	247	2.54286	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B318	247	3.02143	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B318	247	3.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B320	248	0.15	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B320	248	0.6275	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B320	248	1.105	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B320	248	1.5825	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B320	248	2.06	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B320	248	2.5375	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B320	248	3.015	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B320	248	3.4925	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B320	248	3.97	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B321	249	0.15	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B321	249	0.60333	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B321	249	1.05667	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B321	249	1.51	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B321	249	1.96333	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B321	249	2.41667	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B321	249	2.87	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B321	249	3.32333	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B321	249	3.77667	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B321	249	4.23	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B374	251	0.15	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B374	251	0.63333	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B374	251	1.11667	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B374	251	1.6	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B374	251	2.08333	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B374	251	2.56667	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B374	251	3.05	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B374	251	3.53333	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B374	251	4.01667	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B374	251	4.5	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B383	252	0.15	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B383	252	0.62857	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B383	252	1.10714	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B383	252	1.58571	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B383	252	2.06429	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B383	252	2.54286	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B383	252	3.02143	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B383	252	3.5	B.2.4-7b	0	B.2.4-7b	0	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 3 of 4

Story	Label	UniqueName	Station	TLngCombo	TLngRebar	TTrnCombo	TTrnRebar	WarnMsg
Unitless	Unitless	Unitless	m	Unitless	m²	Unitless	m²/m	Unitless
Piso 1	B384	253	0.15	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B384	253	0.6275	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B384	253	1.105	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B384	253	1.5825	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B384	253	2.06	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B384	253	2.5375	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B384	253	3.015	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B384	253	3.4925	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B384	253	3.97	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B385	254	0.15	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B385	254	0.60333	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B385	254	1.05667	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B385	254	1.51	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B385	254	1.96333	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B385	254	2.41667	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B385	254	2.87	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B385	254	3.32333	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B385	254	3.77667	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B385	254	4.23	B.2.4-7b	0	B.2.4-7b	0	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 4 of 4

Table: Concrete Beam Design Summary - ACI 318-08, Part 4 of 4

Story	Label	UniqueName	Station	ErrMsg
Unitless	Unitless	Unitless	m	Unitless
Piso 1	B54	223	0.15	No Message
Piso 1	B54	223	0.605	No Message
Piso 1	B54	223	1.06	No Message
Piso 1	B54	223	1.515	No Message
Piso 1	B54	223	1.97	No Message
Piso 1	B54	223	2.425	No Message
Piso 1	B54	223	2.88	No Message
Piso 1	B54	223	3.335	No Message
Piso 1	B54	223	3.79	No Message
Piso 1	B54	223	4.245	No Message
Piso 1	B54	223	4.7	No Message
Piso 1	B104	225	0.15	No Message
Piso 1	B104	225	0.605	No Message
Piso 1	B104	225	1.06	No Message
Piso 1	B104	225	1.515	No Message
Piso 1	B104	225	1.97	No Message
Piso 1	B104	225	2.425	No Message
Piso 1	B104	225	2.88	No Message
Piso 1	B104	225	3.335	No Message
Piso 1	B104	225	3.79	No Message
Piso 1	B104	225	4.245	No Message
Piso 1	B104	225	4.7	No Message
Piso 1	B147	242	0.15	No Message
Piso 1	B147	242	0.605	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 4 of 4

Story	Label	UniqueName	Station	ErrMsg
Unitless	Unitless	Unitless	m	Unitless
Piso 1	B147	242	1.06	No Message
Piso 1	B147	242	1.515	No Message
Piso 1	B147	242	1.97	No Message
Piso 1	B147	242	2.425	No Message
Piso 1	B147	242	2.88	No Message
Piso 1	B147	242	3.335	No Message
Piso 1	B147	242	3.79	No Message
Piso 1	B147	242	4.245	No Message
Piso 1	B147	242	4.7	No Message
Piso 1	B152	243	0.15	No Message
Piso 1	B152	243	0.605	No Message
Piso 1	B152	243	1.06	No Message
Piso 1	B152	243	1.515	No Message
Piso 1	B152	243	1.97	No Message
Piso 1	B152	243	2.425	No Message
Piso 1	B152	243	2.88	No Message
Piso 1	B152	243	3.335	No Message
Piso 1	B152	243	3.79	No Message
Piso 1	B152	243	4.245	No Message
Piso 1	B152	243	4.7	No Message
Piso 1	B156	244	0.15	No Message
Piso 1	B156	244	0.605	No Message
Piso 1	B156	244	1.06	No Message
Piso 1	B156	244	1.515	No Message
Piso 1	B156	244	1.97	No Message
Piso 1	B156	244	2.425	No Message
Piso 1	B156	244	2.88	No Message
Piso 1	B156	244	3.335	No Message
Piso 1	B156	244	3.79	No Message
Piso 1	B156	244	4.245	No Message
Piso 1	B156	244	4.7	No Message
Piso 1	B313	246	0.15	No Message
Piso 1	B313	246	0.63333	No Message
Piso 1	B313	246	1.11667	No Message
Piso 1	B313	246	1.6	No Message
Piso 1	B313	246	2.08333	No Message
Piso 1	B313	246	2.56667	No Message
Piso 1	B313	246	3.05	No Message
Piso 1	B313	246	3.53333	No Message
Piso 1	B313	246	4.01667	No Message
Piso 1	B313	246	4.5	No Message
Piso 1	B318	247	0.15	No Message
Piso 1	B318	247	0.62857	No Message
Piso 1	B318	247	1.10714	No Message
Piso 1	B318	247	1.58571	No Message
Piso 1	B318	247	2.06429	No Message
Piso 1	B318	247	2.54286	No Message
Piso 1	B318	247	3.02143	No Message
Piso 1	B318	247	3.5	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 4 of 4

Story	Label	UniqueName	Station	ErrMsg
Unitless	Unitless	Unitless	m	Unitless
Piso 1	B320	248	0.15	No Message
Piso 1	B320	248	0.6275	No Message
Piso 1	B320	248	1.105	No Message
Piso 1	B320	248	1.5825	No Message
Piso 1	B320	248	2.06	No Message
Piso 1	B320	248	2.5375	No Message
Piso 1	B320	248	3.015	No Message
Piso 1	B320	248	3.4925	No Message
Piso 1	B320	248	3.97	No Message
Piso 1	B321	249	0.15	No Message
Piso 1	B321	249	0.60333	No Message
Piso 1	B321	249	1.05667	No Message
Piso 1	B321	249	1.51	No Message
Piso 1	B321	249	1.96333	No Message
Piso 1	B321	249	2.41667	No Message
Piso 1	B321	249	2.87	No Message
Piso 1	B321	249	3.32333	No Message
Piso 1	B321	249	3.77667	No Message
Piso 1	B321	249	4.23	No Message
Piso 1	B374	251	0.15	No Message
Piso 1	B374	251	0.63333	No Message
Piso 1	B374	251	1.11667	No Message
Piso 1	B374	251	1.6	No Message
Piso 1	B374	251	2.08333	No Message
Piso 1	B374	251	2.56667	No Message
Piso 1	B374	251	3.05	No Message
Piso 1	B374	251	3.53333	No Message
Piso 1	B374	251	4.01667	No Message
Piso 1	B374	251	4.5	No Message
Piso 1	B383	252	0.15	No Message
Piso 1	B383	252	0.62857	No Message
Piso 1	B383	252	1.10714	No Message
Piso 1	B383	252	1.58571	No Message
Piso 1	B383	252	2.06429	No Message
Piso 1	B383	252	2.54286	No Message
Piso 1	B383	252	3.02143	No Message
Piso 1	B383	252	3.5	No Message
Piso 1	B384	253	0.15	No Message
Piso 1	B384	253	0.6275	No Message
Piso 1	B384	253	1.105	No Message
Piso 1	B384	253	1.5825	No Message
Piso 1	B384	253	2.06	No Message
Piso 1	B384	253	2.5375	No Message
Piso 1	B384	253	3.015	No Message
Piso 1	B384	253	3.4925	No Message
Piso 1	B384	253	3.97	No Message
Piso 1	B385	254	0.15	No Message
Piso 1	B385	254	0.60333	No Message
Piso 1	B385	254	1.05667	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 4 of 4

Story	Label	UniqueName	Station	ErrMsg
Unitless	Unitless	Unitless	m	Unitless
Piso 1	B385	254	1.51	No Message
Piso 1	B385	254	1.96333	No Message
Piso 1	B385	254	2.41667	No Message
Piso 1	B385	254	2.87	No Message
Piso 1	B385	254	3.32333	No Message
Piso 1	B385	254	3.77667	No Message
Piso 1	B385	254	4.23	No Message

ANEXO D – MUROS NO ESTRUCTURALES

ANEXO D - DISEÑO MUROS NO ESTRUCTURALES

Muros apoyados arriba y abajo

F.1. - Valor de Sa [%g]

- Periodo fundamental de la estructura.

donde,

Ct =	0.047
α =	0.900
h_n (m) =	4.000

⟹

Ta (seg) =	0.164

- Del espectro elástico se obtiene

Sa(g) =	0.997

F.2. - Aceleración horizontal ax

$$a_x = As + \frac{(Sa - As)h_x}{h_{eq}} \quad ; h_x < h_{eq}$$

$$a_x = Sa\frac{h_x}{h_{eq}} \quad ; h_x \geq h_{eq}$$

	h_x [m]	a_x [%g]
Piso 1	0.00	0.997

A_s: Aceleración máxima en la superficie del suelo estimada como la aceleración espectral correspondiente a un periodo de vibración igual a cero.

As(g) =	0.997

h_n: Altura total del edificio.

h_{eq}: Altura equivalente del sistema de 1 GDL que simula la edificación. $h_{eq} = 0.75h_n$

h_{eq}(m) =	3.0

h_x: Altura medida desde la base del edificio hasta la base ó apoyo del elemento no estructural.

F.3. - Coeficiente de amplificación dinámica ap

- Elemento no estructural: *Muros divisorios y particiones*
- Tipo: *Muros divisorios de altura total* ⟹ $a_p = 1.0$ Tabla (A.9.5-1)

F.4. - Coeficiente de capacidad de disipación de energía Rp

- Tipo de anclaje: *Anclajes Dúctiles* ⟹ $R_p = 3.0$ (A.9.4.9)

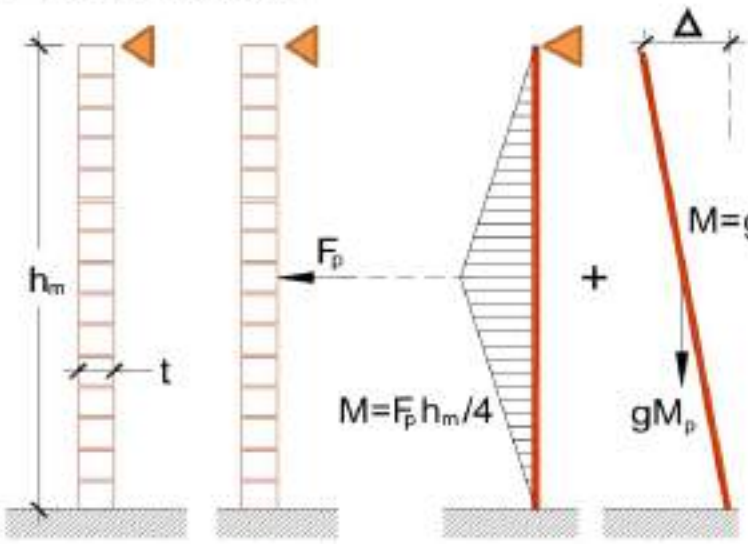
F.5. - Fuerza sísmica de diseño

$$F_p = 0.7\frac{a_x a_p}{R_p} g M_p \quad \text{(A.9.4-1)}$$

M_p: Masa del elemento no estructural.
Factor de 0.7 debido al diseño por ASD.

Fp (Kg):	147.17

F.6. - Muro no estructural



Muro en mampostería reforzada
- Bloque estructural arcilla - 12x19x29

- Caracteristicas muro

t (cm):	12
hm (cm):	285

- Se analiza el muro tomando como profundidad establecida de 1.0m

Mp (Kg):	632.70
Fp (Kg):	147.17
Mmáx (Kg-m):	113.87

F.6.1. - Especificaciones mampostería

- Mortero de Pega	f'cp =	175	kg/cm²	D.3.4.
- Mortero de Relleno	f'cr =	125	kg/cm²	D.3.5.

F.6.2. - Unidad de mampostería

- Resistencia Unidad de mampostería	f'cu =	225	kg/cm²

- La resistencia promedio de los ladrillos es de 241 kg/cm^2

F.6.3. - Valor de f'm

$$Rm = \left(\frac{2h}{75+3h}\right) f'_{cu} + \left(\frac{50k_p}{75+3h}\right) f'_{cp} \leq 0.8 f'_{cu} \qquad \text{D.3.7-1.}$$

h : Altura de la unidad de mampostería, en mm.
K_p : Factor de corrección por absorción de la unidad.

K_p : 1.4, unidades de concreto
K_p : 0.8, unidades de arcilla

h :	190

K_p :	0.80

R_m : 143.4 kg/cm^2 < 0.8f'cu = 180 Kg/m^2

$$f'_m = 0.75[rR_m + 0.9k_r(1-r)f'_{cr}] \leq 0.94R_m \qquad \text{D.3.7-3.}$$

r : Relación entre el área neta y el área bruta de las unidades de mampostería.
K_r : Factor de corrección por absorción de la unidad en la mampostería inyectada.

K_r : 0.90, Para unidades de concreto
K_r : 0.75, Para unidades de arcilla o sílico - calcáreas

r :	0.55

K_r :	0.75

f'm : 88 kg/cm^2 < 0.94Rm = 135 Kg/m^2

F.6.4. - Modulo de elásticidad de la mampostería

E_m : 750 f'm ⟹ E_m : 65725 kg/cm^2

F.7. - Diseño muro no estructural

- **Esfuerzos admisibles**

Fa-adm :	11.92	kg/cm^2
Fs-adm :	1680.0	kg/cm^2
Fb-adm :	29.21	kg/cm^2
Fv-adm :	0.74	kg/cm^2

Usar 1 barra #4 @ 90cm ⟹

As-req :	1.151	cm^2
As-sum :	1.290	cm^2 ✓

ρ :	0.00239	k :	0.453	j :	0.85	OK

f_a :	1.0	kg/cm^2	< fa - adm	
f_s :	1559.9	kg/cm^2	< fs - adm	
f_m :	16.44	kg/cm^2	< fb - adm	✓
f_v :	0.52	kg/cm^2	< Fv - adm	✓
Ec. Unitaria	0.64	< 1.33	ok	

- Refuerzo longitudinal — Usar 1 barra # 4@90cm
- Refuerzo transversal — Usar escalerilla 2Φ4.0mm @44cm

ANEXO E – DISEÑO PROTECCIÓN CONTRA EL FUEGO

ANEXO E – DISEÑO PROTECCIÓN CONTRA EL FUEGO

1 CLASIFICACIÓN DE LA ESTRUCTURA

La clasificación de la estructura se realiza de acuerdo con lo prescrito en el titulo K y la resistencia requerida al fuego de la estructura de acuerdo con el título J de la NSR-10.

1.1 CLASIFICACIÓN POR GRUPO DE OCUPACIÓN

Según el capitulo K.2.1 de la norma NSR-10, específicamente en la tabla K.2.1-1, la estructura se clasifica dentro del Grupo de ocupación Institucional (I) y Subgrupo de Ocupación Educación (I-2).

Tabla K.2.1-1
Grupos y subgrupos de ocupación

Grupos y Subgrupos de ocupación	Clasificación	Sección
A	**ALMACENAMIENTO**	K.2.2
A-1	Riesgo moderado	
A-2	Riesgo bajo	
C	**COMERCIAL**	K.2.3
C-1	Servicios	
C-2	Bienes	
E	**ESPECIALES**	K.2.4
F	**FABRIL E INDUSTRIAL**	K.2.5
F-1	Riesgo moderado	
F-2	Riesgo bajo	
I	**INSTITUCIONAL**	K.2.6
I-1	Reclusión	
I-2	Salud o incapacidad	
I-3	Educación	
I-4	Seguridad pública	
I-5	Servicio público	
L	**LUGARES DE REUNIÓN**	K.2.7
L-1	Deportivos	
L-2	Culturales y teatros	
L-3	Sociales y recreativos	
L-4	Religiosos	
L-5	De transporte	
M	**MIXTO Y OTROS**	K.2.8
P	**ALTA PELIGROSIDAD**	K.2.9
R	**RESIDENCIAL**	K.2.10
R-1	Unifamiliar y bifamiliar	
R-2	Multifamiliar	
R-3	Hoteles	
T	**TEMPORAL**	K.2.11

1.2 CLASIFICACIÓN DE LA EDIFICACIÓN EN UNA CATEGORÍA DE RIESGO

Toda edificación debe clasificarse en una de las categorías de riesgo definidas en J.3.3.1. Dependiendo del grupo de uso de la edificación bajo estudio, esta clasificación se hace en función del área construida, de acuerdo con la tabla J.3.3-1, o en función del potencial de combustión, de acuerdo con la tabla J.3.3-2.

Tabla J.3.3-1
Categorización de las edificaciones para efectos de resistencia contra el fuego de acuerdo con su uso, área construida, y número de pisos.

Grupos y subgrupos de ocupación	Área total construida, A_T m²	Número de pisos						
		1	2	3	4	5	6	≥ 7
(C-1)	$A_T > 1500$	III	III	II	II	II	I	I
	$A_T < 1500$	III	III	III	II	II	II	I
(C-2)	$A_T > 500$	II	I	I	I	I	I	I
	$A_T < 500$			II	I	I	I	I
(E)	Sin límite	III	III	III	II	II	II	I
(I-2), (I-4)	$A_T > 1000$	III	II	II	I	I	I	I
	$500 < A_T < 1000$	III	III	II	II	I	I	I
	$A_T < 500$	III	III	III	II	II	II	I
(I-3)	$A_T > 1000$	II	II	I	I	I	I	I
	$A_T < 1000$		III	II	II	I	I	I
(L-1), (L-2), (L-3), (L-4)	$A_T > 1000$	II	I	I	I	I	I	I
(L-5), (I-1), (I-5)	$500 < A_T < 1000$	II	II	I	I	I	I	I
	$A_T < 500$	III	III	II	II	I	I	I
(R-1), (R-2)	Unidades > 140 m²				II	I	I	I
	Unidades ≤ 140 m²				III	II	II	I
(R-3)	$A_T > 5000$	III	II	I	I	I	I	I
	$A_T < 5000$	III	II	II	II	I	I	I

Notas: (1). En edificios para vivienda, el límite de 140 m² por unidad corresponde al promedio aritmético de las áreas de todas las unidades, sin tener en cuenta las zonas comunes.

De acuerdo a lo anterior la edificación se clasifica dentro de la categoría II.

J.3.3.1.3 — *Categoría III* — Esta categoría comprende las edificaciones con baja capacidad de combustión. Incluye:

(a) Grupos de Ocupación (R-1), edificaciones para viviendas con 10 pisos o menos.
(b) Grupos de Ocupación (A-2), (F-2) y en general bodegas y edificios industriales no comprendidos en el numeral J.3.3.1.1, literal (b).

1.3 RESISTENCIA REQUERIDA CONTRA EL FUEGO

Según la Tabla J.3.4-3 del NSR-10, de acuerdo a la Categoría de Riesgo de la estructura, los elementos de una edificación deben resistir al fuego un tiempo mínimo determinado.

Tabla J.3.4-3
Resistencia requerida al fuego normalizado NTC 1480 (ISO 834), en horas, de elementos de una edificación de todos los grupos de ocupación excepto R-1 y R-2. (Véase Nota 1)

Elementos de la construcción	Categoría según la clasificación dada en J.3.3.1		
	I	II	III
Muros Cortafuego	3	2	1
Muros de cerramiento de escaleras, ascensores, buitrones, ductos para basuras y corredores de evacuación protegidos	2	2	1
Muros divisorios entre unidades	1	1	1
Muros interiores no portantes	½	¼	-
Elementos estructurales de los materiales cubiertos por los Títulos C a G del Reglamento NSR-10	2	1	1
Cubiertas	1	1	½
Escaleras interiores no encerradas con muros	2	1	1

Nota 1. En la sección J.3.3.3 se indican los grupos de ocupación que están exentos de cuantificación de resistencia contra el fuego y para los cuales no hay necesidad de aplicar la presente tabla.

Tabla K.2.6-2
Subgrupo de ocupación institucional de salud o incapacidad (I-2)

Hospitales	Ancianatos
Sanatorios	Guarderías
Clínicas	Dispensarios
Centros de salud	Laboratorios clínicos
Centros para discapacitados	Hospicios
Puestos de primeros auxilios	Otros similares
Orfanatos	

De acuerdo con el subgrupo I-2 y la categoría de riesgo III, los elementos deben protegerse a la exposición al fuego así:

2 SISTEMAS DE PROTECCIÓN

2.1 ELEMENTOS ESTRUCTURALES

- **COLUMNAS**

J.3.5.2.1 — ***Columnas de concreto estructural*** — Las columnas de concreto estructural deben cumplir los siguientes requisitos para efectos de su resistencia al fuego:

(a) La dimensión mínima para columnas en estructuras con capacidad especial de disipación de energía *DES* dada en C.21.6.1.1 de 300 mm, es adecuada para resistencia al fuego requerida de tres (3) horas.
(b) La dimensión mínima para columnas en estructuras con capacidad moderada de disipación de energía *DMO* dada en C.21.3.5.1 de 250 mm, es adecuada para resistencia al fuego requerida hasta de dos (2) horas. Este tamaño de columna no se permite en zonas de amenaza sísmica alta.
(c) Una dimensión mínima de 200 mm es adecuada para resistencia al fuego requerida hasta de una (1) hora. El Título C no establece una dimensión mínima para columnas con capacidad mínima de disipación de energía *DMI*. Este tamaño de columna no se permite en zonas de amenaza sísmica alta e intermedia.
(d) Los requisitos de recubrimiento para concreto construido en sitio dados en C.7.7.1 de 40 mm para estribos, espirales y armadura principal, son adecuados para resistencia al fuego requerida hasta de tres (3) horas.

De acuerdo a lo anterior todas las columnas del proyecto cumplen las dimensiones de C.21.6.1.1 y recubrimientos C.7.7.1, lo cual les garantiza una resistencia de 3 horas.

- **VIGAS**

J.3.5.2.4 — ***Vigas de concreto estructural*** — Las vigas de concreto estructural deben cumplir los siguientes requisitos para efectos de su resistencia al fuego:

(a) El ancho mínimo del alma de vigas en estructuras con capacidad especial de disipación de energía *DES* dada en C.21.5.1.3 de 250 mm, es adecuado para resistencia al fuego requerida de tres (3) horas.
(b) El ancho mínimo del alma de vigas en estructuras con capacidad moderada de disipación de energía *DMO* dada en C.21.3.4.1 de 200 mm, es adecuada para resistencia al fuego requerida de dos (2) horas. Este ancho del alma de vigas no se permite en zonas de amenaza sísmica alta.
(c) El ancho mínimo del alma de vigas no debe ser menor de 120 mm para resistencia al fuego requerida de una (1) hora. Este ancho del alma de vigas no se permite en zonas de amenaza sísmica alta e intermedia.
(e) Los requisitos de recubrimiento para concreto construido en sitio dados en C.7.7.1 de 40 mm para estribos y armadura principal, son adecuados para resistencia al fuego requerida hasta de dos (2) horas.
(f) Para tres (3) horas de resistencia al fuego requerida se debe emplear un recubrimiento de 60 mm.

De acuerdo a lo anterior todas las vigas del proyecto cumplen las dimensiones de C.21.5.1.3 y recubrimientos C.7.7.1, lo cual les garantiza una resistencia de 3 horas.

- **MUROS ESTRUCTURALES**

J.3.5.2.2 — ***Muros estructurales*** — Los muros estructurales de concreto deben cumplir los siguientes requisitos para efectos de su resistencia al fuego:

(a) El ancho mínimo en muros estructurales no debe ser menor de 150 mm para resistencia al fuego requerida de tres (3) horas.
(b) El ancho mínimo en muros estructurales no debe ser menor de 100 mm para resistencia al fuego requerida de dos (2) horas.
(c) El ancho mínimo en muros estructurales no debe ser menor de 80 mm para resistencia al fuego requerida de una (1) hora.
(d) Los requisitos de recubrimiento para concreto construido en sitio dados en C.7.7.1 de 20 mm para refuerzo con barras No. 11 (1-3/8" ó 36M (36 mm), solo es adecuado para resistencia al fuego requerida hasta de una (1) hora.
(e) Para resistencia al fuego requerida de dos (2) horas o más, el recubrimiento para concreto construido en sitio debe ser al menos 25 mm.

De acuerdo a lo anterior todos los muros del proyecto cumplen las dimensiones de dimensión menor mayor a 150mm y recubrimientos mayores a 25mm, lo cual les garantiza una resistencia de 2 horas.

2.2 ELEMENTOS NO ESTRUCTURALES

- Muros de cerramiento de escaleras.
- Muros interiores no portantes.

ELEMENTOS DE MAMPOSTERÍA – Para proveer muros de mampostería con las resistencias al fuego normalizado especificadas en el numeral J.3.4.3, debe estimarse la resistencia al fuego de la mampostería, especificadas en la tabla J.3.5.7 o J.3.5.8 en función de su espesor mínimo equivalente.

Tabla J.3.5-1
Espesor mínimo equivalente, e_t, de muros de mampostería de arcilla, en mm, en función de la resistencia al fuego en horas. Véase la Nota-1

Tipo de unidad	Resistencia al fuego en horas		
	1 Nota-2	2	3
Maciza	60	90	110
De perforación vertical	50	80	100
De perforación horizontal	45	65	90

Nota-1: Las unidades de mampostería de arcilla deben cumplir los requisitos dados en D.3.6 respecto a propiedades y normas técnicas.

Nota-2: La resistencia al fuego de 1 hora se considera que se cumple implícitamente en las siguientes unidades de arcilla:

(a) Para unidades macizas hasta con 25% de vacíos, 1 hora de resistencia al fuego se cumple con unidades de ancho nominal de 100 mm.

(b) Para unidades de perforación vertical hasta con 65% de vacíos (máximo porcentaje de vacíos permitido por D.3.6.4.1) y con sus celdas para alojar refuerzo vertical con o sin mortero de relleno, 1 hora de resistencia al fuego se cumple con unidades con ancho nominal de 120 mm.

(c) Para unidades de perforación horizontal que cumplan con los espesores mínimos de pared establecidos en la norma NTC 4205, 1 hora de resistencia al fuego se cumple con unidades con ancho nominal de 100 mm.

J.3.5.3.1 – El espesor mínimo equivalente se calcula con base en la ecuación J.3.5-1

$$e_E = \frac{V}{LA} \qquad \text{(J.3.5-1)}$$

Donde:

e_E = espesor equivalente.
V = volumen de sólidos de una unidad de mampostería.
L = longitud de la unidad de mampostería.
A = altura de la unidad de mampostería

ANEXO F – DISEÑO DE ELEMENTOS METÁLICOS Y CONEXIONES

Table: Steel Frame Design Summary - AISC 360-10, Part 1 of 2

Table: Steel Frame Design Summary - AISC 360-10, Part 1 of 2

Story	Label	UniqueName	Design Type	Design Section	Status	PMM Combo	PMM Ratio	P Ratio
Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless
CB	C81	402	Column	Tub 100x200x4mm	No Message	B.2.4-3b(C)	0.187	0.008
CB	C81	402	Column	Tub 100x200x4mm	No Message	B.2.4-3b(T)	0.054	0.002
CB	C91	397	Column	Tub 100x200x4mm	No Message	B.2.4-3b(C)	0.195	0.017
CB	C91	397	Column	Tub 100x200x4mm	No Message	B.2.4-3b(T)	0.059	0.004
CB	C112	393	Column	Tub 100x200x4mm	No Message	B.2.4-3b(C)	0.221	0.015
CB	C112	393	Column	Tub 100x200x4mm	No Message	B.2.4-3b(T)	0.061	0.004
CB	C142	385	Column	Tub 100x200x4mm	No Message	B.2.4-3b(C)	0.208	0.015
CB	C142	385	Column	Tub 100x200x4mm	No Message	B.2.4-3b(T)	0.071	0.004
CB	C147	381	Column	Tub 100x200x4mm	No Message	B.2.4-3b(C)	0.205	0.015
CB	C147	381	Column	Tub 100x200x4mm	No Message	B.2.4-3b(T)	0.066	0.003
CB	C645	594	Column	Tub 100x50x3mm	No Message	B.2.4-3b(C)	0.09	0.0001044
CB	C645	594	Column	Tub 100x50x3mm	No Message	B.2.4-3b(T)	0.109	0
CB	C646	595	Column	Tub 100x50x3mm	No Message	B.2.4-4b(C)	0.263	0.0001119
CB	C646	595	Column	Tub 100x50x3mm	No Message	B.2.4-4b(T)	0.238	0
CB	C647	662	Column	Tub 100x50x3mm	No Message	(T)	0.121	0.001
CB	C648	666	Column	Tub 100x50x3mm	No Message	B.2.4-4b(C)	0.229	0.001
CB	C649	734	Column	Tub 100x50x3mm	No Message	(T)	0.116	0.001
CB	C650	735	Column	Tub 100x50x3mm	No Message	B.2.4-4b(C)	0.239	0.002
CB	C651	228	Column	Tub 100x50x3mm	No Message	(T)	0.086	0.002
CB	C652	337	Column	Tub 100x50x3mm	No Message	B.2.4-4b(C)	0.176	0.003
CB	C653	411	Column	Tub 100x50x3mm	No Message	(T)	0.185	0.001
CB	C654	443	Column	Tub 100x50x3mm	No Message	B.2.4-3b(C)	0.346	0.002
CB	C655	830	Column	Tub 100x50x3mm	No Message	B.2.4-4b(C)	0.02	0
CB	C655	830	Column	Tub 100x50x3mm	No Message	B.2.4-4b(T)	0.001	0

Table: Steel Frame Design Summary - AISC 360-10, Part 1 of 2

Story	Label	UniqueName	Design Type	Design Section	Status	PMM Combo	PMM Ratio	P Ratio
Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless
CB	C656	831	Column	Tub 100x50x3mm	No Message	B.2.4-4b(C)	0.006	0
CB	C656	831	Column	Tub 100x50x3mm	No Message	B.2.4-4b(T)	0.02	0
CB	C657	832	Column	Tub 100x50x3mm	No Message	B.2.4-4b(C)	0.014	0
CB	C658	835	Column	Tub 100x50x3mm	No Message	B.2.4-4b(C)	0.006	0
CB	C658	835	Column	Tub 100x50x3mm	No Message	B.2.4-4b(T)	0.014	0
CB	C659	838	Column	Tub 100x50x3mm	No Message	B.2.4-4b(C)	0.032	0
CB	C659	838	Column	Tub 100x50x3mm	No Message	B.2.4-4b(T)	0.006	0
CB	C660	841	Column	Tub 100x50x3mm	No Message	B.2.4-5b(C)	0.001	0
CB	C660	841	Column	Tub 100x50x3mm	No Message	B.2.4-5b(T)	0.033	0
CB	C661	854	Column	Tub 100x50x3mm	No Message	B.2.4-3b(C)	0.017	0
CB	C661	854	Column	Tub 100x50x3mm	No Message	B.2.4-3b(T)	0.0004777	0
CB	C662	870	Column	Tub 100x50x3mm	No Message	B.2.4-4b(C)	0.001	0
CB	C662	870	Column	Tub 100x50x3mm	No Message	B.2.4-4b(T)	0.018	0
CB	C663	879	Column	Tub 100x50x3mm	No Message	B.2.4-5b(C)	0.009	0.0001041
CB	C663	879	Column	Tub 100x50x3mm	No Message	B.2.4-5b(T)	0	0
CB	C664	880	Column	Tub 100x50x3mm	No Message	B.2.4-4b(C)	0.001	0
CB	C664	880	Column	Tub 100x50x3mm	No Message	B.2.4-4b(T)	0.008	0
CB	C665	942	Column	Tub 100x50x3mm	No Message	B.2.4-5b(C)	0.024	0.0001702
CB	C665	942	Column	Tub 100x50x3mm	No Message	B.2.4-5b(T)	0.013	0
CB	C666	971	Column	Tub 100x50x3mm	No Message	B.2.4-7b(C)	0.001	0
CB	C666	971	Column	Tub 100x50x3mm	No Message	B.2.4-7b(T)	0.024	0.0001653
CB	C733	1420	Column	Tub 100x50x3mm	No Message	B.2.4-3b(C)	0.045	0.0002312
CB	C733	1420	Column	Tub 100x50x3mm	No Message	B.2.4-3b(T)	0.082	0
CB	C734	1421	Column	Tub 100x50x3mm	No Message	B.2.4-4b(C)	0.134	0
CB	C734	1421	Column	Tub 100x50x3mm	No Message	B.2.4-4b(T)	0.068	0.0001224
CB	C737	1430	Column	Tub 100x50x3mm	No Message	B.2.4-3b(C)	0.089	0.0002133
CB	C737	1430	Column	Tub 100x50x3mm	No Message	B.2.4-3b(T)	0.116	0
CB	C738	1431	Column	Tub 100x50x3mm	No Message	B.2.4-4b(C)	0.205	0
CB	C738	1431	Column	Tub 100x50x3mm	No Message	B.2.4-4b(T)	0.154	0.0001145

Table: Steel Frame Design Summary - AISC 360-10, Part 1 of 2

Story	Label	UniqueName	Design Type	Design Section	Status	PMM Combo	PMM Ratio	P Ratio
Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless
CB	C739	1477	Column	Tub 100x50x3mm	No Message	B.2.4-3b(C)	0.066	0
CB	C739	1477	Column	Tub 100x50x3mm	No Message	B.2.4-3b(T)	0	0
CB	C740	1478	Column	Tub 100x50x3mm	No Message	B.2.4-4b(C)	0.006	0
CB	C740	1478	Column	Tub 100x50x3mm	No Message	B.2.4-4b(T)	0.069	0
CB	C741	1479	Column	Tub 100x50x3mm	No Message	B.2.4-3b(C)	0.051	0
CB	C741	1479	Column	Tub 100x50x3mm	No Message	B.2.4-3b(T)	0.002	0
CB	C742	1480	Column	Tub 100x50x3mm	No Message	(T)	0.051	0
CB	C743	1481	Column	Tub 100x50x3mm	No Message	B.2.4-3b(C)	0.028	0
CB	C743	1481	Column	Tub 100x50x3mm	No Message	B.2.4-3b(T)	0	0
CB	C744	1482	Column	Tub 100x50x3mm	No Message	B.2.4-4b(C)	0.007	0
CB	C744	1482	Column	Tub 100x50x3mm	No Message	B.2.4-4b(T)	0.027	0
CB	C745	1483	Column	Tub 100x50x3mm	No Message	B.2.4-3b(C)	0.039	0
CB	C745	1483	Column	Tub 100x50x3mm	No Message	B.2.4-3b(T)	0.006	0
CB	C746	1484	Column	Tub 100x50x3mm	No Message	B.2.4-5b(C)	0.001	0
CB	C746	1484	Column	Tub 100x50x3mm	No Message	B.2.4-5b(T)	0.039	0
CB	C747	1485	Column	Tub 100x50x3mm	No Message	B.2.4-3b(C)	0.058	0
CB	C747	1485	Column	Tub 100x50x3mm	No Message	B.2.4-3b(T)	0.001	0
CB	C748	1486	Column	Tub 100x50x3mm	No Message	B.2.4-4b(C)	0.001	0
CB	C748	1486	Column	Tub 100x50x3mm	No Message	B.2.4-4b(T)	0.058	0
CB	C749	1487	Column	Tub 100x50x3mm	No Message	B.2.4-3b(C)	0.067	0
CB	C749	1487	Column	Tub 100x50x3mm	No Message	B.2.4-3b(T)	0.032	0
CB	C750	1488	Column	Tub 100x50x3mm	No Message	B.2.4-5b(C)	0.001	0
CB	C750	1488	Column	Tub 100x50x3mm	No Message	B.2.4-5b(T)	0.067	0
CB	C753	1505	Column	Tub 100x50x3mm	No Message	B.2.4-6b(C)	0.023	0.001
CB	C753	1505	Column	Tub 100x50x3mm	No Message	B.2.4-6b(T)	0.059	0.001
CB	C754	1506	Column	Tub 100x50x3mm	No Message	B.2.4-3b(C)	0.055	0.002
CB	C754	1506	Column	Tub 100x50x3mm	No Message	B.2.4-3b(T)	0.024	0.0002006
CB	C755	135	Column	Tub 100x50x3mm	No Message	B.2.4-3b(C)	0.064	0
CB	C755	135	Column	Tub 100x50x3mm	No Message	B.2.4-3b(T)	0.007	0

Table: Steel Frame Design Summary - AISC 360-10, Part 1 of 2

Story	Label	UniqueName	Design Type	Design Section	Status	PMM Combo	PMM Ratio	P Ratio
Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless
CB	C756	136	Column	Tub 100x50x3mm	No Message	B.2.4-6b(C)	0	0
CB	C756	136	Column	Tub 100x50x3mm	No Message	B.2.4-6b(T)	0.067	0
CB	C757	167	Column	Tub 100x50x3mm	No Message	B.2.4-3b(C)	0.056	0
CB	C757	167	Column	Tub 100x50x3mm	No Message	B.2.4-3b(T)	0	0
CB	C758	168	Column	Tub 100x50x3mm	No Message	B.2.4-4b(C)	0.001	0
CB	C758	168	Column	Tub 100x50x3mm	No Message	B.2.4-4b(T)	0.056	0
CB	C759	212	Column	Tub 100x50x3mm	No Message	B.2.4-3b(C)	0.038	0
CB	C759	212	Column	Tub 100x50x3mm	No Message	B.2.4-3b(T)	0.001	0
CB	C760	255	Column	Tub 100x50x3mm	No Message	B.2.4-6b(C)	0	0
CB	C760	255	Column	Tub 100x50x3mm	No Message	B.2.4-6b(T)	0.038	0
CB	C761	389	Column	Tub 100x50x3mm	No Message	B.2.4-3b(C)	0.021	0
CB	C761	389	Column	Tub 100x50x3mm	No Message	B.2.4-3b(T)	0	0
CB	C762	390	Column	Tub 100x50x3mm	No Message	B.2.4-4b(C)	0.008	0
CB	C762	390	Column	Tub 100x50x3mm	No Message	B.2.4-4b(T)	0.021	0
CB	C763	391	Column	Tub 100x50x3mm	No Message	B.2.4-3b(C)	0.037	0
CB	C763	391	Column	Tub 100x50x3mm	No Message	B.2.4-3b(T)	0.008	0
CB	C764	392	Column	Tub 100x50x3mm	No Message	B.2.4-6b(C)	0	0
CB	C764	392	Column	Tub 100x50x3mm	No Message	B.2.4-6b(T)	0.036	0
CB	C765	726	Column	Tub 100x50x3mm	No Message	B.2.4-3b(C)	0.054	0
CB	C765	726	Column	Tub 100x50x3mm	No Message	B.2.4-3b(T)	0	0
CB	C766	733	Column	Tub 100x50x3mm	No Message	B.2.4-4b(C)	0.001	0
CB	C766	733	Column	Tub 100x50x3mm	No Message	B.2.4-4b(T)	0.054	0
CB	C767	778	Column	Tub 100x50x3mm	No Message	B.2.4-3b(C)	0.072	0
CB	C767	778	Column	Tub 100x50x3mm	No Message	B.2.4-3b(T)	0.001	0
CB	C768	782	Column	Tub 100x50x3mm	No Message	B.2.4-4b(C)	0.001	0
CB	C768	782	Column	Tub 100x50x3mm	No Message	B.2.4-4b(T)	0.072	0
CB	C769	794	Column	Tub 100x50x3mm	No Message	B.2.4-3b(C)	0.079	0
CB	C769	794	Column	Tub 100x50x3mm	No Message	B.2.4-3b(T)	0.006	0
CB	C770	798	Column	Tub 100x50x3mm	No Message	B.2.4-5b(C)	0.001	0

Table: Steel Frame Design Summary - AISC 360-10, Part 1 of 2

Story	Label	UniqueName	Design Type	Design Section	Status	PMM Combo	PMM Ratio	P Ratio
Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless
CB	C770	798	Column	Tub 100x50x3mm	No Message	B.2.4-5b(T)	0.08	0
CB	C781	384	Column	Tub 100x200x4mm	No Message	B.2.4-3b(C)	0.176	0.037
CB	C781	384	Column	Tub 100x200x4mm	No Message	B.2.4-3b(T)	0.071	0.009
CB	C782	388	Column	Tub 100x200x4mm	No Message	B.2.4-3b(C)	0.183	0.04
CB	C782	388	Column	Tub 100x200x4mm	No Message	B.2.4-3b(T)	0.035	0.01
CB	C783	396	Column	Tub 100x200x4mm	No Message	B.2.4-3b(C)	0.271	0.041
CB	C783	396	Column	Tub 100x200x4mm	No Message	B.2.4-3b(T)	0.04	0.01
CB	C784	400	Column	Tub 100x200x4mm	No Message	B.2.4-3b(C)	0.202	0.047
CB	C784	400	Column	Tub 100x200x4mm	No Message	B.2.4-3b(T)	0.039	0.011
CB	C785	408	Column	Tub 100x200x4mm	No Message	B.2.4-3b(C)	0.267	0.022
CB	C785	408	Column	Tub 100x200x4mm	No Message	B.2.4-3b(T)	0.081	0.005
CB	C786	1416	Column	Tub 100x200x4mm	No Message	B.2.4-3b(C)	0.189	0.021
CB	C786	1416	Column	Tub 100x200x4mm	No Message	B.2.4-3b(T)	0.061	0.005
CB	C787	1419	Column	Tub 100x200x4mm	No Message	B.2.4-5b(C)	0.116	0.014
CB	C787	1419	Column	Tub 100x200x4mm	No Message	B.2.4-5b(T)	0.021	0.012
CB	C788	1426	Column	Tub 100x200x4mm	No Message	B.2.4-3b(C)	0.196	0.019
CB	C788	1426	Column	Tub 100x200x4mm	No Message	B.2.4-3b(T)	0.061	0.004
CB	C789	1429	Column	Tub 100x200x4mm	No Message	B.2.4-3b(C)	0.193	0.042
CB	C789	1429	Column	Tub 100x200x4mm	No Message	B.2.4-3b(T)	0.03	0.011
CB	C790	1501	Column	Tub 100x200x4mm	No Message	B.2.4-5b(C)	0.08	0.0004247

Table: Steel Frame Design Summary - AISC 360-10, Part 1 of 2

Story	Label	UniqueName	Design Type	Design Section	Status	PMM Combo	PMM Ratio	P Ratio
Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless
CB	C790	1501	Column	Tub 100x200x4mm	No Message	B.2.4-5b(T)	0.043	0.0001009
CB	C791	1504	Column	Tub 100x200x4mm	No Message	B.2.4-3b(C)	0.117	0.002
CB	C791	1504	Column	Tub 100x200x4mm	No Message	B.2.4-3b(T)	0.014	0.0002297
CB	B376	382	Beam	Tub 100x200x4mm	No Message	B.2.4-3b(C)	0.214	0.012
CB	B376	382	Beam	Tub 100x200x4mm	No Message	B.2.4-3b(T)	0.065	0.001
CB	B377	383	Beam	Tub 100x200x4mm	No Message	B.2.4-3b(C)	0.36	0.006
CB	B377	383	Beam	Tub 100x200x4mm	No Message	B.2.4-3b(T)	0.109	0.001
CB	B378	386	Beam	Tub 100x200x4mm	No Message	B.2.4-3b(C)	0.249	0.013
CB	B378	386	Beam	Tub 100x200x4mm	No Message	B.2.4-3b(T)	0.077	0.002
CB	B379	387	Beam	Tub 100x200x4mm	No Message	B.2.4-3b(C)	0.432	0.003
CB	B379	387	Beam	Tub 100x200x4mm	No Message	B.2.4-3b(T)	0.127	0.001
CB	B380	394	Beam	Tub 100x200x4mm	No Message	B.2.4-3b(C)	0.271	0.013
CB	B380	394	Beam	Tub 100x200x4mm	No Message	B.2.4-3b(T)	0.074	0.002
CB	B381	395	Beam	Tub 100x200x4mm	No Message	B.2.4-3b(C)	0.494	0.003
CB	B381	395	Beam	Tub 100x200x4mm	No Message	B.2.4-3b(T)	0.121	0.001
CB	B382	398	Beam	Tub 100x200x4mm	No Message	B.2.4-3b(C)	0.289	0.014
CB	B382	398	Beam	Tub 100x200x4mm	No Message	B.2.4-3b(T)	0.081	0.002
CB	B386	399	Beam	Tub 100x200x4mm	No Message	B.2.4-3b(C)	0.51	0.004
CB	B386	399	Beam	Tub 100x200x4mm	No Message	B.2.4-3b(T)	0.13	0.001
CB	B387	404	Beam	Tub 100x200x4mm	No Message	B.2.4-3b(C)	0.158	0.008

Table: Steel Frame Design Summary - AISC 360-10, Part 1 of 2

Story	Label	UniqueName	Design Type	Design Section	Status	PMM Combo	PMM Ratio	P Ratio
Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless
CB	B387	404	Beam	Tub 100x200x4mm	No Message	B.2.4-3b(T)	0.04	0.001
CB	B388	406	Beam	Tub 100x200x4mm	No Message	B.2.4-3b(C)	0.326	0.002
CB	B388	406	Beam	Tub 100x200x4mm	No Message	B.2.4-3b(T)	0.074	0.0002067
CB	B452	717	Beam	Tub 100x50x3mm	No Message	B.2.4-4b(C)	0.155	0.029
CB	B452	717	Beam	Tub 100x50x3mm	No Message	B.2.4-4b(T)	0.034	0.001
CB	B453	722	Beam	Tub 100x50x3mm	No Message	B.2.4-5b(C)	0.04	0.002
CB	B453	722	Beam	Tub 100x50x3mm	No Message	B.2.4-5b(T)	0.132	0.004
CB	B459	553	Beam	Tub 100x50x3mm	No Message	B.2.4-4b(C)	0.092	0.003
CB	B459	553	Beam	Tub 100x50x3mm	No Message	B.2.4-4b(T)	0.019	0.001
CB	B460	554	Beam	Tub 100x50x3mm	No Message	B.2.4-5b(C)	0.033	0.002
CB	B460	554	Beam	Tub 100x50x3mm	No Message	B.2.4-5b(T)	0.091	0.001
CB	B461	1417	Beam	Tub 100x200x4mm	No Message	B.2.4-3b(C)	0.274	0.007
CB	B461	1417	Beam	Tub 100x200x4mm	No Message	B.2.4-3b(T)	0.087	0.001
CB	B462	1418	Beam	Tub 100x200x4mm	No Message	B.2.4-3b(C)	0.467	0.004
CB	B462	1418	Beam	Tub 100x200x4mm	No Message	B.2.4-3b(T)	0.138	0
CB	B463	1422	Beam	Tub 100x50x3mm	No Message	B.2.4-4b(C)	0.176	0.021
CB	B463	1422	Beam	Tub 100x50x3mm	No Message	B.2.4-4b(T)	0.024	0.002
CB	B464	1423	Beam	Tub 100x50x3mm	No Message	B.2.4-4b(C)	0.171	0.017
CB	B464	1423	Beam	Tub 100x50x3mm	No Message	B.2.4-4b(T)	0.024	0.002
CB	B465	1424	Beam	Tub 100x50x3mm	No Message	B.2.4-6b(C)	0.029	0.007
CB	B465	1424	Beam	Tub 100x50x3mm	No Message	B.2.4-6b(T)	0.154	0.006
CB	B466	1425	Beam	Tub 100x50x3mm	No Message	B.2.4-6b(C)	0.029	0.007
CB	B466	1425	Beam	Tub 100x50x3mm	No Message	B.2.4-6b(T)	0.158	0.004
CB	B467	1427	Beam	Tub 100x200x4mm	No Message	B.2.4-3b(C)	0.253	0.007
CB	B467	1427	Beam	Tub 100x200x4mm	No Message	B.2.4-3b(T)	0.081	0.001

Table: Steel Frame Design Summary - AISC 360-10, Part 1 of 2

Story	Label	UniqueName	Design Type	Design Section	Status	PMM Combo	PMM Ratio	P Ratio
Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless
CB	B468	1428	Beam	Tub 100x200x4mm	No Message	B.2.4-3b(C)	0.439	0.003
CB	B468	1428	Beam	Tub 100x200x4mm	No Message	B.2.4-3b(T)	0.132	0.000133
CB	B469	1432	Beam	Tub 100x50x3mm	No Message	B.2.4-4b(C)	0.144	0.029
CB	B469	1432	Beam	Tub 100x50x3mm	No Message	B.2.4-4b(T)	0.026	0.002
CB	B471	1433	Beam	Tub 100x50x3mm	No Message	B.2.4-4b(C)	0.151	0.013
CB	B471	1433	Beam	Tub 100x50x3mm	No Message	B.2.4-4b(T)	0.023	0.002
CB	B472	1434	Beam	Tub 100x50x3mm	No Message	B.2.4-6b(C)	0.03	0.006
CB	B472	1434	Beam	Tub 100x50x3mm	No Message	B.2.4-6b(T)	0.128	0.009
CB	B473	1435	Beam	Tub 100x50x3mm	No Message	B.2.4-6b(C)	0.025	0.004
CB	B473	1435	Beam	Tub 100x50x3mm	No Message	B.2.4-6b(T)	0.139	0.005
CB	B518	1502	Beam	Tub 100x200x4mm	No Message	B.2.4-5b(C)	0.038	0.004
CB	B519	1503	Beam	Tub 100x200x4mm	No Message	B.2.4-5b(C)	0.079	0.001
CB	B519	1503	Beam	Tub 100x200x4mm	No Message	B.2.4-5b(T)	0.023	0

Table: Steel Frame Design Summary - AISC 360-10, Part 2 of 2

Table: Steel Frame Design Summary - AISC 360-10, Part 2 of 2

UniqueName	M Major Ratio	M Minor Ratio	V Major Combo	V Major Ratio	V Minor Combo	V Minor Ratio
Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless
402	0.076	0.103	B.2.4-3b	0.02	B.2.4-3b	0.043
402	0.021	0.031				
397	0.155	0.022	B.2.4-3b	0.038	B.2.4-5b	0.011
397	0.047	0.008				
393	0.139	0.067	B.2.4-3b	0.034	B.2.4-3b	0.038
393	0.042	0.015				
385	0.139	0.054	B.2.4-3b	0.036	B.2.4-3b	0.022
385	0.045	0.022				
381	0.124	0.065	B.2.4-3b	0.034	B.2.4-3b	0.024
381	0.037	0.026				
594	0.02	0.07	B.2.4-4b	0.018	B.2.4-3b	0.049
594	0.053	0.056				
595	0.122	0.14	B.2.4-4b	0.021	B.2.4-3b	0.053
595	0.071	0.167				
662	0.062	0.058	B.2.4-4b	0.02	B.2.4-3b	0.035
666	0.113	0.115	B.2.4-4b	0.02	B.2.4-3b	0.036
734	0.059	0.056	B.2.4-4b	0.019	B.2.4-3b	0.042
735	0.112	0.126	B.2.4-4b	0.02	B.2.4-3b	0.043

Table: Steel Frame Design Summary - AISC 360-10, Part 2 of 2

UniqueName	M Major Ratio	M Minor Ratio	V Major Combo	V Major Ratio	V Minor Combo	V Minor Ratio
Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless
228	0.061	0.023	B.2.4-4b	0.021	B.2.4-3b	0.012
337	0.126	0.047	B.2.4-4b	0.023	B.2.4-3b	0.014
411	0.021	0.163	B.2.4-4b	0.01	B.2.4-3b	0.084
443	0.026	0.318	B.2.4-4b	0.01	B.2.4-3b	0.086
830	0.005	0.014	B.2.4-5b	0.0001015	B.2.4-3b	0.003
830	0.0001309	0.001				
831	0.006	0.0001332	B.2.4-3b	0	B.2.4-3b	0.003
831	0.006	0.014				
832	0.006	0.008	B.2.4-5b	0	B.2.4-5b	0.002
835	0.006	0	B.2.4-5b	0	B.2.4-5b	0.002
835	0.006	0.008				
838	0.006	0.026	B.2.4-5b	0	B.2.4-1	0.007
838	0.006	0				
841	0	0.001	B.2.4-5b	0	B.2.4-1	0.007
841	0.007	0.026				
854	0.0002548	0.017	B.2.4-5b	0	B.2.4-5b	0.004
854	0.0004639	0				
870	0.001	0	B.2.4-5b	0	B.2.4-3b	0.004
870	0.001	0.017				
879	0.0003547	0.008	B.2.4-3b	0.0001075	B.2.4-5b	0.002
879	0	0				
880	0.001	0	B.2.4-3b	0.0001076	B.2.4-5b	0.002
880	0.0003179	0.008				
942	0.002	0.023	B.2.4-3b	0.0004303	B.2.4-5b	0.005
942	0.005	0.007				
971	0.0002449	0.001	B.2.4-3b	0.0004304	B.2.4-1	0.005
971	0.001	0.023				
1420	0.041	0.004	B.2.4-4b	0.025	B.2.4-5b	0.005
1420	0.078	0.003				
1421	0.131	0.003	B.2.4-4b	0.024	B.2.4-5b	0.004
1421	0.063	0.005				
1430	0.037	0.052	B.2.4-4b	0.023	B.2.4-3b	0.022
1430	0.073	0.043				
1431	0.127	0.078	B.2.4-4b	0.023	B.2.4-3b	0.022
1431	0.063	0.091				
1477	0.002	0.064	B.2.4-3b	0.0002105	B.2.4-3b	0.014
1477	0	0				
1478	0.006	0.0001268	B.2.4-3b	0.0002105	B.2.4-3b	0.014
1478	0.004	0.064				
1479	0.001	0.05	B.2.4-5b	0	B.2.4-3b	0.011
1479	0.002	0				
1480	0.001	0.05	B.2.4-5b	0	B.2.4-3b	0.011
1481	0.003	0.024	B.2.4-5b	0	B.2.4-3b	0.005
1481	0	0				
1482	0.007	0	B.2.4-5b	0	B.2.4-3b	0.005
1482	0.003	0.024				
1483	0.003	0.035	B.2.4-5b	0	B.2.4-3b	0.008
1483	0.006	0				
1484	0	0.001	B.2.4-5b	0	B.2.4-3b	0.008
1484	0.003	0.036				
1485	0.001	0.058	B.2.4-5b	0	B.2.4-3b	0.013
1485	0.0002501	0.0003377				
1486	0.001	0	B.2.4-5b	0	B.2.4-3b	0.013

Table: Steel Frame Design Summary - AISC 360-10, Part 2 of 2

UniqueName	M Major Ratio	M Minor Ratio	V Major Combo	V Major Ratio	V Minor Combo	V Minor Ratio
Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless
1486	0.0004719	0.058				
1487	0.002	0.065	B.2.4-5b	0	B.2.4-3b	0.014
1487	0.003	0.029				
1488	0.000163	0.001	B.2.4-5b	0	B.2.4-3b	0.014
1488	0.001	0.066				
1505	0.002	0.02	B.2.4-5b	0.002	B.2.4-3b	0.015
1505	0.012	0.046				
1506	0.008	0.045	B.2.4-3b	0.002	B.2.4-3b	0.017
1506	0.003	0.02				
135	0.002	0.062	B.2.4-3b	0.0002099	B.2.4-3b	0.014
135	0.007	0.0001295				
136	0	0	B.2.4-3b	0.0002099	B.2.4-3b	0.014
136	0.005	0.062				
167	0.0002128	0.056	B.2.4-5b	0	B.2.4-3b	0.012
167	0	0				
168	0.001	0	B.2.4-5b	0	B.2.4-3b	0.012
168	0.001	0.056				
212	0.001	0.037	B.2.4-5b	0	B.2.4-3b	0.008
212	0.001	0				
255	0	0	B.2.4-5b	0	B.2.4-3b	0.008
255	0.0004388	0.037				
389	0.004	0.017	B.2.4-5b	0.0001251	B.2.4-6b	0.005
389	0	0				
390	0.008	0	B.2.4-5b	0.0001213	B.2.4-6b	0.005
390	0.000107	0.021				
391	0.004	0.033	B.2.4-5b	0.0001255	B.2.4-3b	0.007
391	0.008	0				
392	0	0	B.2.4-5b	0.0001209	B.2.4-3b	0.007
392	0.003	0.033				
726	0.001	0.053	B.2.4-5b	0	B.2.4-3b	0.012
726	0	0				
733	0.001	0	B.2.4-5b	0	B.2.4-3b	0.012
733	0.0003896	0.053				
778	0.0003706	0.071	B.2.4-5b	0	B.2.4-3b	0.016
778	0.0002496	0.0003811				
782	0.001	0	B.2.4-5b	0	B.2.4-3b	0.016
782	0.001	0.071				
794	0.003	0.076	B.2.4-5b	0.0001007	B.2.4-3b	0.017
794	0.006	0.0001221				
798	0.000119	0.001	B.2.4-5b	0	B.2.4-3b	0.017
798	0.004	0.076				
384	0.004	0.135	B.2.4-3b	0.028	B.2.4-3b	0.063
384	0.011	0.051				
388	0.113	0.03	B.2.4-3b	0.03	B.2.4-3b	0.084
388	0.0004406	0.024				
396	0.126	0.103	B.2.4-5b	0.03	B.2.4-3b	0.136
396	0.006	0.024				
400	0.142	0.013	B.2.4-5b	0.037	B.2.4-5b	0.024
400	0.021	0.007				
408	0.073	0.172	B.2.4-5b	0.019	B.2.4-3b	0.168
408	0.011	0.066				
1416	0.166	0.002	B.2.4-4b	0.015	B.2.4-5b	0.019
1416	0.054	0.002				

Table: Steel Frame Design Summary - AISC 360-10, Part 2 of 2

UniqueName	M Major Ratio	M Minor Ratio	V Major Combo	V Major Ratio	V Minor Combo	V Minor Ratio
Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless
1419	0.042	0.059	B.2.4-5b	0.017	B.2.4-5b	0.041
1419	0.005	0.004				
1426	0.153	0.024	B.2.4-4b	0.015	B.2.4-5b	0.02
1426	0.048	0.008				
1429	0.047	0.103	B.2.4-5b	0.015	B.2.4-3b	0.115
1429	0.004	0.014				
1501	0.038	0.041	B.2.4-5b	0.009	B.2.4-5b	0.014
1501	0.03	0.013				
1504	0.054	0.061	B.2.4-5b	0.018	B.2.4-3b	0.041
1504	0.007	0.007				
382	0.194	0.008	B.2.4-3b	0.06	B.2.4-5b	0.009
382	0.059	0.004				
383	0.329	0.025	B.2.4-3b	0.069	B.2.4-5b	0.013
383	0.096	0.013				
386	0.234	0.002	B.2.4-3b	0.065	B.2.4-5b	0.01
386	0.073	0.002				
387	0.42	0.009	B.2.4-3b	0.075	B.2.4-5b	0.016
387	0.118	0.009				
394	0.242	0.016	B.2.4-3b	0.067	B.2.4-5b	0.017
394	0.07	0.002				
395	0.448	0.043	B.2.4-3b	0.076	B.2.4-5b	0.024
395	0.113	0.007				
398	0.273	0.001	B.2.4-3b	0.075	B.2.4-5b	0.011
398	0.078	0.001				
399	0.504	0.002	B.2.4-3b	0.085	B.2.4-5b	0.015
399	0.126	0.003				
404	0.121	0.03	B.2.4-3b	0.033	B.2.4-3b	0.024
404	0.032	0.007				
406	0.247	0.077	B.2.4-3b	0.039	B.2.4-3b	0.035
406	0.058	0.016				
717	0.104	0.022	B.2.4-4b	0.012	B.2.4-3b	0.009
717	0.002	0.031				
722	0.016	0.023	B.2.4-4b	0.012	B.2.4-3b	0.008
722	0.095	0.033				
553	0.073	0.016	B.2.4-4b	0.008	B.2.4-1	0.004
553	0.001	0.017				
554	0.01	0.02	B.2.4-4b	0.009	B.2.4-3b	0.004
554	0.071	0.019				
1417	0.263	0.004	B.2.4-3b	0.076	B.2.4-5b	0.013
1417	0.085	0.0004425				
1418	0.453	0.011	B.2.4-3b	0.08	B.2.4-5b	0.021
1418	0.137	0.001				
1422	0.102	0.053	B.2.4-4b	0.012	B.2.4-3b	0.011
1422	0.001	0.021				
1423	0.092	0.062	B.2.4-4b	0.012	B.2.4-3b	0.013
1423	0.001	0.02				
1424	0.0003096	0.022	B.2.4-4b	0.013	B.2.4-3b	0.011
1424	0.095	0.053				
1425	0.0003712	0.021	B.2.4-4b	0.013	B.2.4-3b	0.013
1425	0.091	0.062				
1427	0.242	0.004	B.2.4-3b	0.071	B.2.4-5b	0.014
1427	0.079	0.001				
1428	0.419	0.016	B.2.4-3b	0.075	B.2.4-5b	0.019

Table: Steel Frame Design Summary - AISC 360-10, Part 2 of 2

UniqueName	M Major Ratio	M Minor Ratio	V Major Combo	V Major Ratio	V Minor Combo	V Minor Ratio
Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless
1428	0.127	0.005				
1432	0.112	0.004	B.2.4-4b	0.013	B.2.4-3b	0.011
1432	0.002	0.022				
1433	0.093	0.045	B.2.4-4b	0.01	B.2.4-3b	0.01
1433	0.001	0.02				
1434	0.001	0.023	B.2.4-4b	0.013	B.2.4-3b	0.011
1434	0.115	0.004				
1435	0.0001389	0.021	B.2.4-4b	0.011	B.2.4-3b	0.01
1435	0.085	0.05				
1502	0.012	0.023	B.2.4-3b	0.005	B.2.4-5b	0.01
1503	0.03	0.048	B.2.4-3b	0.008	B.2.4-5b	0.014
1503	0.016	0.007				

Datos del proyecto

Nombre del proyecto	CES
Número del Proyecto	
Autor	
Descripción	
Fecha	22/10/2021
Código	AISC/ACI

Material

Acero	A572 Gr.50, A500, Gr. C, shaped, A36
Hormigón	4000 psi, 3000 psi

Ítem del proyecto ANCLAJES

Diseño

Nombre	ANCLAJES
Descripción	
Análisis	Tensión, deformación/ Cargas en equilibrio
Normativa de cálculo	AISC - LRFD (2016)

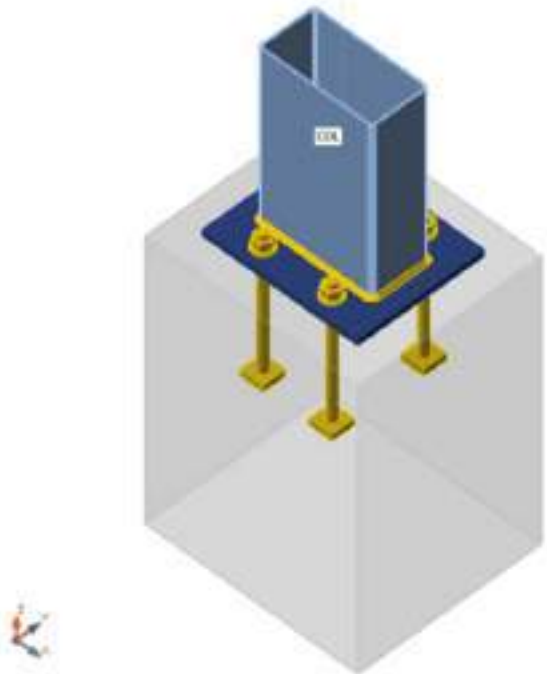
Elementos

Geometría

Nombre	Sección transversal	β – Dirección [°]	γ - Inclinación [°]	α - Rotación [°]	Desplazamiento ex [mm]	Desplazamiento ey [mm]	Desplazamiento ez [mm]
COL	36 - TUB 100x200x4mm(RHS200x100)	0.0	90.0	0.0	0	0	0

Apoyos y fuerzas

Nombre	Apoyo	Fuerzas en	X [mm]
COL / final		Nodo	0



Secciones

Nombre	Material
36 - TUB 100x200x4mm(RHS200x100)	A572 Gr.50

Anclajes

Nombre	Conjunto de tornillo	Diámetro [mm]	f_u [MPa]	Área bruta [mm²]
5/8 ASTM 193 Gr. B7	5/8 ASTM 193 Gr. B7	16	861.8	198

Cargas (Fuerzas en equilibrio)

Nombre	Elemento	N [kN]	Vy [kN]	Vz [kN]	Mx [kNm]	My [kNm]	Mz [kNm]
LE1	COL / Finalizar	-29.0	19.0	0.0	0.0	8.3	1.7

Fuerzas Desbalanceadas

Nombre	X [kN]	Y [kN]	Z [kN]	Mx [kNm]	My [kNm]	Mz [kNm]
LE1	0.0	19.0	-29.0	-1.7	8.3	0.0

Bloque de la cimentación

Ítem	Valor	Unidad
CB 1		
Dimensiones	320 x 370	mm
Profundidad	500	mm
Anclaje	5/8 ASTM 193 Gr. B7	
Longitud del anclaje	200	mm
Transferencia de la fuerza cortante	Anclajes	

Verificación

Resumen

Nombre	Valor	Estado de la verificación
Análisis	100.0%	OK
Placas	0.0 < 5.0%	OK
Anclajes	27.5 < 100%	OK
Soldaduras	75.6 < 100%	OK
Bloque de hormigón	16.8 < 100%	OK
Pandeo	No calculado	

Placas

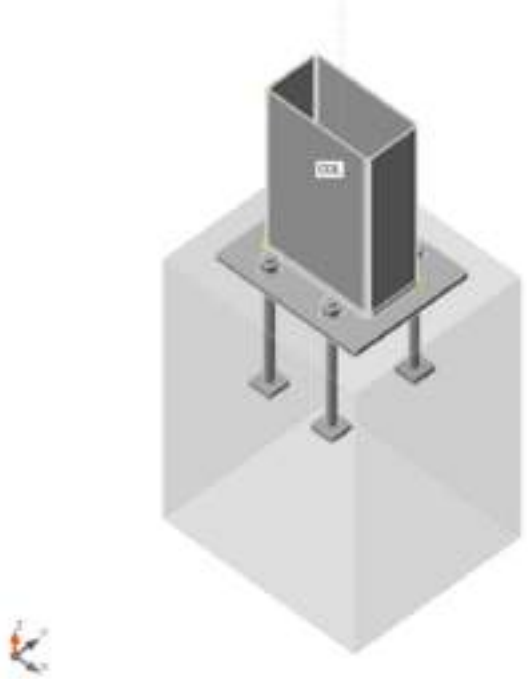
Nombre	t_p [mm]	Cargas	σ_{Ed} [MPa]	ε_{Pl} [%]	$\sigma_{c,Ed}$ [MPa]	Estado
COL-w 1	4.0	LE1	146.7	0.0	0.0	OK
COL-arc 1	4.0	LE1	277.4	0.0	0.0	OK
COL-arc 2	4.0	LE1	253.3	0.0	0.0	OK
COL-arc 3	4.0	LE1	243.8	0.0	0.0	OK
COL-w 2	4.0	LE1	127.3	0.0	0.0	OK
COL-arc 4	4.0	LE1	115.4	0.0	0.0	OK
COL-arc 5	4.0	LE1	118.6	0.0	0.0	OK
COL-arc 6	4.0	LE1	125.6	0.0	0.0	OK
COL-w 3	4.0	LE1	127.9	0.0	0.0	OK
COL-arc 7	4.0	LE1	254.0	0.0	0.0	OK
COL-arc 8	4.0	LE1	250.2	0.0	0.0	OK
COL-arc 9	4.0	LE1	235.1	0.0	0.0	OK
COL-w 4	4.0	LE1	166.1	0.0	0.0	OK
COL-arc 10	4.0	LE1	168.8	0.0	0.0	OK
COL-arc 11	4.0	LE1	172.5	0.0	0.0	OK
COL-arc 12	4.0	LE1	162.9	0.0	0.0	OK
BP1	12.0	LE1	154.5	0.0	0.0	OK

Datos de diseño

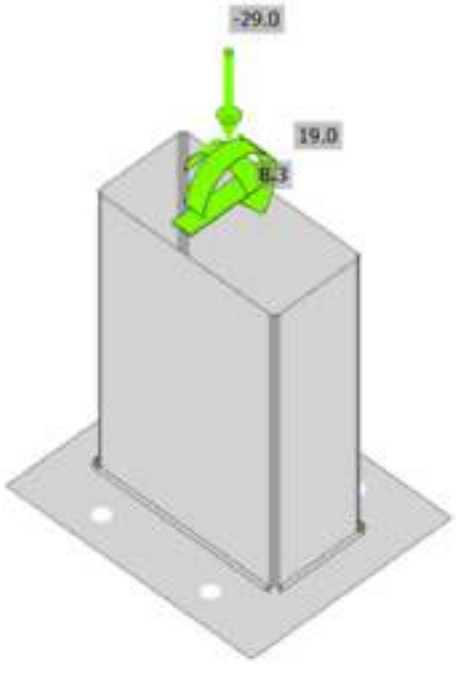
Material	F_y [MPa]	ε_{lim} [%]
A572 Gr.50	344.7	5.0

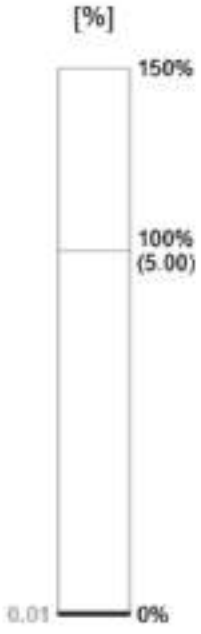
Explicación del simbolo

t_p	Espesor de placa
σ_{Ed}	Tensión equivalente
ε_{Pl}	Deformación plástica
$\sigma_{c,Ed}$	Tensiones de Contacto
F_y	Límite elástico
ε_{lim}	Límite de la deformación plástica

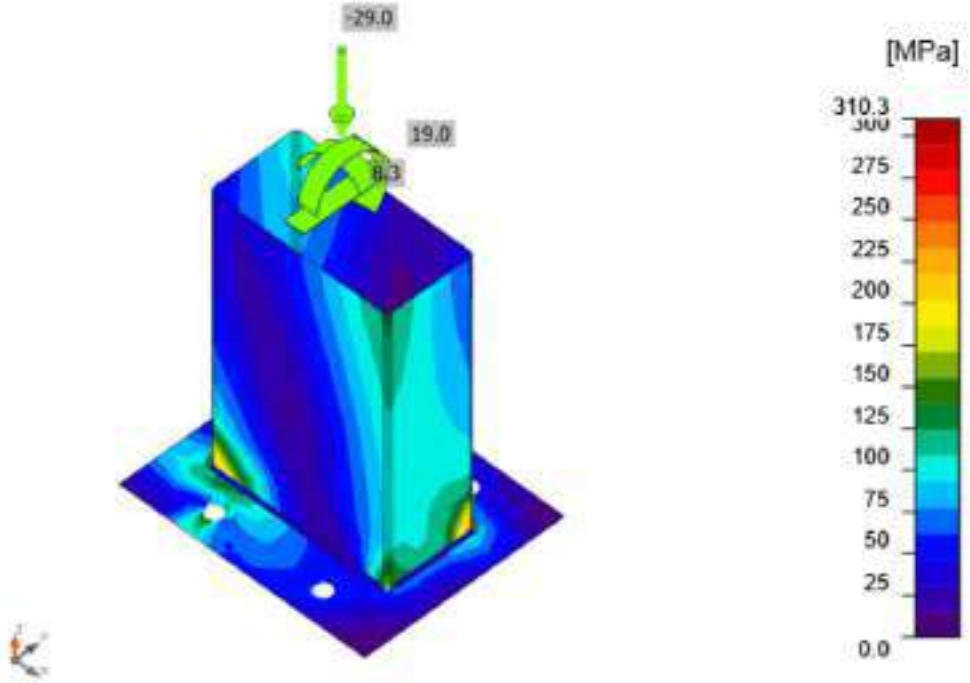


Verificación general, LE1



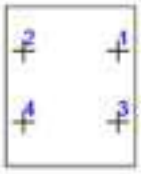


Verificación de deformación, LE1



Tensión equivalente, LE1

Anclajes

Forma	Ítem	Cargas	N_f [kN]	V [kN]	ϕN_p [kN]	ϕN_{sb} [kN]	Ut_t [%]	Ut_s [%]	Ut_{ts} [%]	Estado
	A1	LE1	15.1	4.6	162.4	81.2	17.2	9.4	7.3	OK
	A2	LE1	24.1	4.9	162.4	81.2	27.5	10.0	13.8	OK
	A3	LE1	0.0	4.8	162.4	-	0.0	9.8	2.1	OK
	A4	LE1	0.0	4.7	162.4	-	0.0	9.6	2.0	OK

Datos de diseño

Calidad	ϕN_{sa} [kN]	ϕV_{sa} [kN]
5/8 ASTM 193 Gr. B7 - 1	87.8	48.9

Explicación del símbolo

N_f	Fuerza de tracción
V	Resultante de fuerzas cortantes en pernos Vy y Vz en planos de cortantes
ϕN_p	Resistencia al deslizamiento – ACI 318-14 – 17.4.3
ϕN_{sb}	Resistencia al arrancamiento lateral del cono de hormigón a tracción de acuerdo con – ACI 318-14 – 17.4.4
Ut_t	Utilización a tracción
Ut_s	Utilización a cortante
Ut_{ts}	Utilización a tensión y cortante
ϕN_{sa}	Resistencia del anclaje en tracción - ACI 318-14 – 17.4.1
ϕV_{sa}	Resistencia del anclaje a cortante - ACI 318-14 – 17.5.1

Soldaduras

Ítem	Borde	Xu	t_w [mm]	w [mm]	L [mm]	L_c [mm]	Cargas	F_n [kN]	ϕR_n [kN]	Ut [%]	Estado
BP1	COL-w 1	E70xx	◢ 4.2 ◣	◢ 6.0 ◣	86	17	LE1	3.1	23.5	13.3	OK
		E70xx	◢ 4.2 ◣	◢ 6.0 ◣	86	17	LE1	4.7	22.7	20.8	OK
BP1	COL-arc 1	E70xx	◢ 4.2 ◣	◢ 6.0 ◣	3	3	LE1	2.6	3.4	75.2	OK
		E70xx	◢ 4.2 ◣	◢ 6.0 ◣	3	3	LE1	2.6	3.4	75.4	OK
BP1	COL-arc 2	E70xx	◢ 4.2 ◣	◢ 6.0 ◣	3	3	LE1	2.7	3.6	74.4	OK
		E70xx	◢ 4.2 ◣	◢ 6.0 ◣	3	3	LE1	2.7	3.6	75.3	OK
BP1	COL-arc 3	E70xx	◢ 4.2 ◣	◢ 6.0 ◣	3	3	LE1	2.7	3.6	75.1	OK
		E70xx	◢ 4.2 ◣	◢ 6.0 ◣	3	3	LE1	2.7	3.6	75.2	OK
BP1	COL-w 2	E70xx	◢ 4.2 ◣	◢ 6.0 ◣	185	17	LE1	4.1	20.0	20.4	OK
		E70xx	◢ 4.2 ◣	◢ 6.0 ◣	185	17	LE1	4.3	19.4	22.1	OK
BP1	COL-arc 4	E70xx	◢ 4.2 ◣	◢ 6.0 ◣	3	3	LE1	1.1	3.6	31.1	OK
		E70xx	◢ 4.2 ◣	◢ 6.0 ◣	3	3	LE1	1.3	3.5	36.4	OK
BP1	COL-arc 5	E70xx	◢ 4.2 ◣	◢ 6.0 ◣	3	3	LE1	0.7	3.6	18.3	OK
		E70xx	◢ 4.2 ◣	◢ 6.0 ◣	3	3	LE1	1.1	3.5	30.2	OK
BP1	COL-arc 6	E70xx	◢ 4.2 ◣	◢ 6.0 ◣	3	3	LE1	1.1	2.9	38.3	OK
		E70xx	◢ 4.2 ◣	◢ 6.0 ◣	3	3	LE1	1.5	3.0	49.5	OK
BP1	COL-w 3	E70xx	◢ 4.2 ◣	◢ 6.0 ◣	86	17	LE1	3.3	23.4	14.2	OK
		E70xx	◢ 4.2 ◣	◢ 6.0 ◣	86	17	LE1	3.5	23.6	14.7	OK
BP1	COL-arc 7	E70xx	◢ 4.2 ◣	◢ 6.0 ◣	3	3	LE1	2.0	2.7	75.3	OK
		E70xx	◢ 4.2 ◣	◢ 6.0 ◣	3	3	LE1	2.1	2.8	75.6	OK
BP1	COL-arc 8	E70xx	◢ 4.2 ◣	◢ 6.0 ◣	3	3	LE1	1.4	3.4	40.5	OK
		E70xx	◢ 4.2 ◣	◢ 6.0 ◣	3	3	LE1	2.5	3.4	75.0	OK
BP1	COL-arc 9	E70xx	◢ 4.2 ◣	◢ 6.0 ◣	3	3	LE1	2.1	3.6	59.2	OK
		E70xx	◢ 4.2 ◣	◢ 6.0 ◣	3	3	LE1	2.6	3.5	73.8	OK
BP1	COL-w 4	E70xx	◢ 4.2 ◣	◢ 6.0 ◣	185	17	LE1	3.8	22.5	16.9	OK
		E70xx	◢ 4.2 ◣	◢ 6.0 ◣	185	17	LE1	5.5	23.2	23.8	OK
BP1	COL-arc 10	E70xx	◢ 4.2 ◣	◢ 6.0 ◣	3	3	LE1	1.8	3.5	50.6	OK
		E70xx	◢ 4.2 ◣	◢ 6.0 ◣	3	3	LE1	1.9	3.5	53.3	OK
BP1	COL-arc 11	E70xx	◢ 4.2 ◣	◢ 6.0 ◣	3	3	LE1	1.3	3.6	36.6	OK
		E70xx	◢ 4.2 ◣	◢ 6.0 ◣	3	3	LE1	1.7	3.5	47.4	OK
BP1	COL-arc 12	E70xx	◢ 4.2 ◣	◢ 6.0 ◣	3	3	LE1	2.0	3.5	55.9	OK
		E70xx	◢ 4.2 ◣	◢ 6.0 ◣	3	3	LE1	1.9	3.6	54.3	OK

Explicación del símbolo

t_w	Espesor de garganta de soldadura
w	Tamaño de la soldadura
L	Longitud de la soldadura
L_c	Longitud del elemento crítico de la soldadura
F_n	Fuerza en el elemento crítico de la soldadura
ϕR_n	Resistencia de la soldadura - AISC 360-16 – J2-4
Ut	Utilización
◢	Cordón de soldadura

Bloque de hormigón

Ítem	Cargas	A_1 [mm2]	A_2 [mm2]	σ [MPa]	$\phi f_{p,max}$ [MPa]	Ut [%]	Estado
CB 1	LE1	20188	65717	3.5	20.6	16.8	OK

Explicación del símbolo

A_1	Área cargada
A_2	Área de soporte
σ	Tensión media en el hormigón
$\phi f_{p,max}$	Resistencia del apoyo de hormigón
Ut	Utilización

Pandeo

El análisis de pandeo no se ha calculado.

Configuración de la norma

Ítem	Valor	Unidad	Referencia
Coeficiente de fricción - hormigón	0.40	-	ACI 349-01 – B.6.1.4
Coeficiente de fricción en la resistencia a deslizamiento	0.30	-	AISC 360-16 – J3.8
Deformación plástica límite	0.05	-	
Detallado	No		
Distancia entre tornillos [d]	2.66	-	AISC 360-16 – J3.3
Distancia entre tornillos y el borde [d]	1.25	-	AISC 360-16 – J.3.4
Resistencia al arrancamiento del cono de hormigón	Ninguno		
Resistencia del metal base en la cara de fusión de la soldadura	No		AISC 360-16 – J2-2
La deformación en el orificio del perno con la carga de servicio es una consideración de diseño	Sí		AISC 360-16 – J3.10
Hormigón fisurado	Sí		ACI 318-14 – 17
Comprobación de la deformación local	No		
Deformación límite local	0.03	-	CIDECT DG 1, 3 - 1.1
No linealidad geométrica (GMNA)	Sí		Grandes deformaciones para secciones huecas

Carga Muerta

- **Peso propio teja**

Tipo: Teja termoacústica
Peso: 5.00 Kg /m^2


Teja en panel inyectado de poliuretano

- **Peso propio correas**

Tipo: PHR C 160x60x2.5mm
Peso: 5.97 Kg /m

Separación: 1.50m
Peso: 3.98 Kg /m^2

- **Carga muerta distribuida sobre la cubierta**

Peso teja termoacústica		5.0 Kg /m^2
Correas		4.0 Kg /m^2
Cielo en panel yeso mas entramado		15.0 Kg /m^2
Instalaciones (Luminarias-Ductería de red contra incendio)		10.0 Kg /m^2
	W_{DL} =	**34.0 Kg/m^2**

Carga Viva

NSR'10 - TITULO B
De acuerdo con B.4.2 la carga viva que se debe usar para el diseño de la estructura es función del uso de la misma.

CARGA VIVA : Cubiertas (θ ≤15º): **W_{LL} =** 50 **Kg/m^2**

RESUMEN

W_{DL} =	34	1.2	41	Kg /m^2
W_{LL} =	50	1.6	80	Kg /m^2
W_{CS} =	84	**W_U =**	121	Kg /m^2

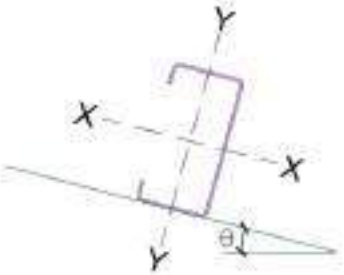
F.C. = 1.44

DISEÑO DE CORREAS

CORREA TIPO 1

Combinaciones de carga *B.2.4.2*

1. - 1.4D *B.2.4-1*
2. - 1.2D + 1.6Lr *B.2.4-2*
3. - 1.2D + 1.6Lr + 0.5W *B.2.4-3*
4. - 1.2D + 0.5Lr + 1.0W *B.2.4-4*
5. - 0.9D + 1.0W *B.2.4-6*



Cargas actuantes en las correas ")

Ángulo de la cubierta θ : #¡REF!
Separación entre correas S : #¡REF!
Longitud de correas L : 5.00m
Arriostramientos : @ L/3

W_{Dx} :	5.07 Kg/m	W_{Dy} :	50.72 Kg/m
W_{Lrx} :	7.46 Kg/m	W_{Lry} :	74.63 Kg/m
W_{wy} (-):	-130.69 Kg/m	W_{wy} (+):	90.00 Kg/m

Propiedades perlines escogidos ")		**ΦMux** Kg-m	**ΦMuy** Kg-m	**Grado**	**Peso** Kg/m
• Acesco	PHR C 160x60x2.5mm	924	254	50	5.97

Cargas actuantes en las correas

Combo	Wux Kg/m	Wuy Kg/m	Mux Kg-m	Muy Kg-m	ISE	ISE	ISE
1	7.10	71.00	221.9	2.47		0.250	
2	18.02	180.27	563.3	6.26		0.634	
3	18.02	225.27	704.0	6.26		0.786	
4	9.82	188.17	588.0	3.41		0.650	
5	4.56	-85.04	-265.8	1.58		0.294	

ISE MAX = 0.79

Carga de servicio

$$\Delta = \frac{5WL^4}{384EI} \leq L/240$$

L : 5000 mm
Apoyo : 100 mm
S : 1.50 m
Viga : PHR C 160x60x2.5mm
Peso : 5.97 kg/m

ws : 84 Kg/m²
W : 125.97 Kg/m
Ix : 2881149 mm⁴
Es : 2038000 Kg/cm²

δ : 0.016 m
δ : 1.61 cm < L/240 = 2.04 ok

Datos del proyecto

Nombre del proyecto	CES
Número del Proyecto	
Autor	
Descripción	
Fecha	22/10/2021
Código	AISC/ACI

Material

Acero	A572 Gr.50, A500, Gr. C, shaped, A36
Hormigón	4000 psi, 3000 psi

Ítem del proyecto PORTACORREA

Diseño

Nombre	PORTACORREA
Descripción	
Análisis	Tensión, deformación/ Carga simplificada
Normativa de cálculo	AISC - LRFD (2016)

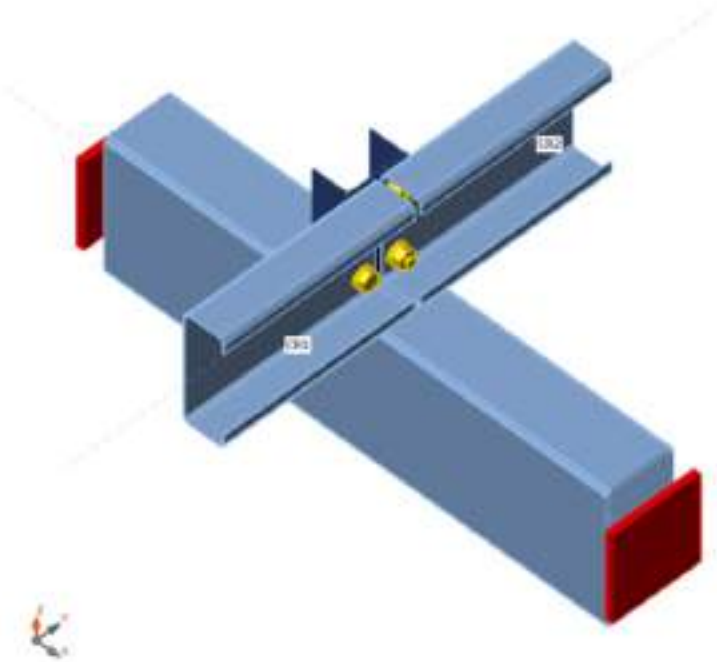
Elementos

Geometría

Nombre	Sección transversal	β – Dirección [°]	γ - Inclinación [°]	α - Rotación [°]	Desplazamiento ex [mm]	Desplazamiento ey [mm]	Desplazamiento ez [mm]
VIGA	36 - TUB 100x200x4mm(RHS200x100)	0.0	0.0	0.0	0	0	0
CR1	37 - PHR C160x60x2.5mm(CFC160x60)	-90.0	0.0	0.0	5	2	180
CR2	37 - PHR C160x60x2.5mm(CFC160x60)	90.0	0.0	0.0	5	-2	180

Apoyos y fuerzas

Nombre	Apoyo	Fuerzas en	X [mm]
VIGA / inicial	N-Vy-Vz-Mx-My-Mz	Nodo	0
VIGA / final	N-Vy-Vz-Mx-My-Mz	Nodo	0
CR1 / final		Tornillos	20
CR2 / final		Tornillos	20



Secciones

Nombre	Material
36 - TUB 100x200x4mm(RHS200x100)	A572 Gr.50
37 - PHR C160x60x2.5mm(CFC160x60)	A572 Gr.50

Tornillos

Nombre	Conjunto de tornillo	Diámetro [mm]	f_u [MPa]	Área bruta [mm^2]
1/2 Gr 2	1/2 Gr 2	13	414.0	79

Cargas (No se requiere el equilibrio)

Nombre	Elemento	N [kN]	Vy [kN]	Vz [kN]	Mx [kNm]	My [kNm]	Mz [kNm]
LE1	CR1 / Finalizar	0.0	0.0	-4.8	0.0	0.0	0.0
	CR2 / Finalizar	0.0	0.0	-4.8	0.0	0.0	0.0

Verificación

Resumen

Nombre	Valor	Estado de la verificación
Análisis	100.0%	OK
Placas	0.0 < 5.0%	OK
Tornillos	44.6 < 100%	OK
Soldaduras	37.8 < 100%	OK
Pandeo	No calculado	

Placas

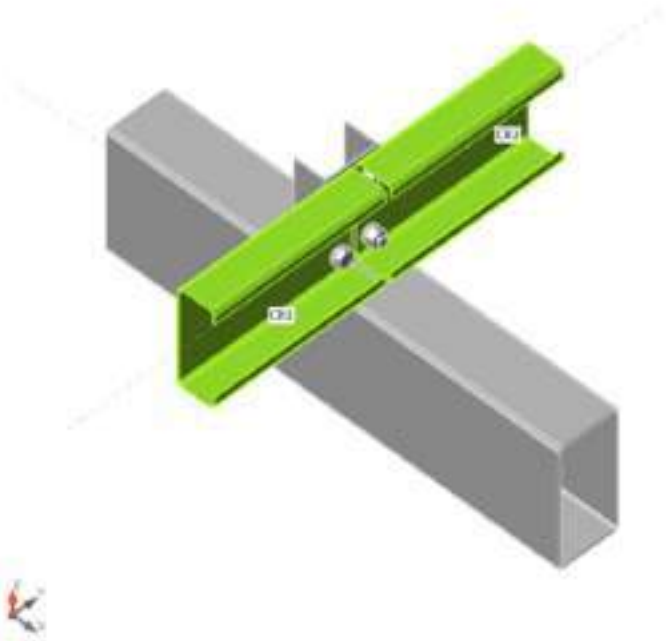
Nombre	t_p [mm]	Cargas	σ_{Ed} [MPa]	ε_{pl} [%]	$\sigma_{c,Ed}$ [MPa]	Estado
VIGA-w 1	4.0	LE1	22.7	0.0	0.0	OK
VIGA-arc 1	4.0	LE1	23.6	0.0	0.0	OK
VIGA-arc 2	4.0	LE1	23.3	0.0	0.0	OK
VIGA-arc 3	4.0	LE1	22.6	0.0	0.0	OK
VIGA-w 2	4.0	LE1	63.1	0.0	0.0	OK
VIGA-arc 4	4.0	LE1	93.6	0.0	0.0	OK
VIGA-arc 5	4.0	LE1	113.4	0.0	0.0	OK
VIGA-arc 6	4.0	LE1	131.4	0.0	0.0	OK
VIGA-w 3	4.0	LE1	61.6	0.0	0.0	OK
VIGA-arc 7	4.0	LE1	131.3	0.0	0.0	OK
VIGA-arc 8	4.0	LE1	113.4	0.0	0.0	OK
VIGA-arc 9	4.0	LE1	93.5	0.0	0.0	OK
VIGA-w 4	4.0	LE1	63.1	0.0	0.0	OK
VIGA-arc 10	4.0	LE1	22.6	0.0	0.0	OK
VIGA-arc 11	4.0	LE1	23.3	0.0	0.0	OK
VIGA-arc 12	4.0	LE1	23.6	0.0	0.0	OK
CR1	2.5	LE1	269.8	0.0	0.0	OK
CR2	2.5	LE1	269.2	0.0	0.0	OK
SP 1	2.5	LE1	204.1	0.0	30.1	OK
SP 2	2.5	LE1	134.5	0.0	0.0	OK
SP 3	2.5	LE1	134.5	0.0	0.0	OK

Datos de diseño

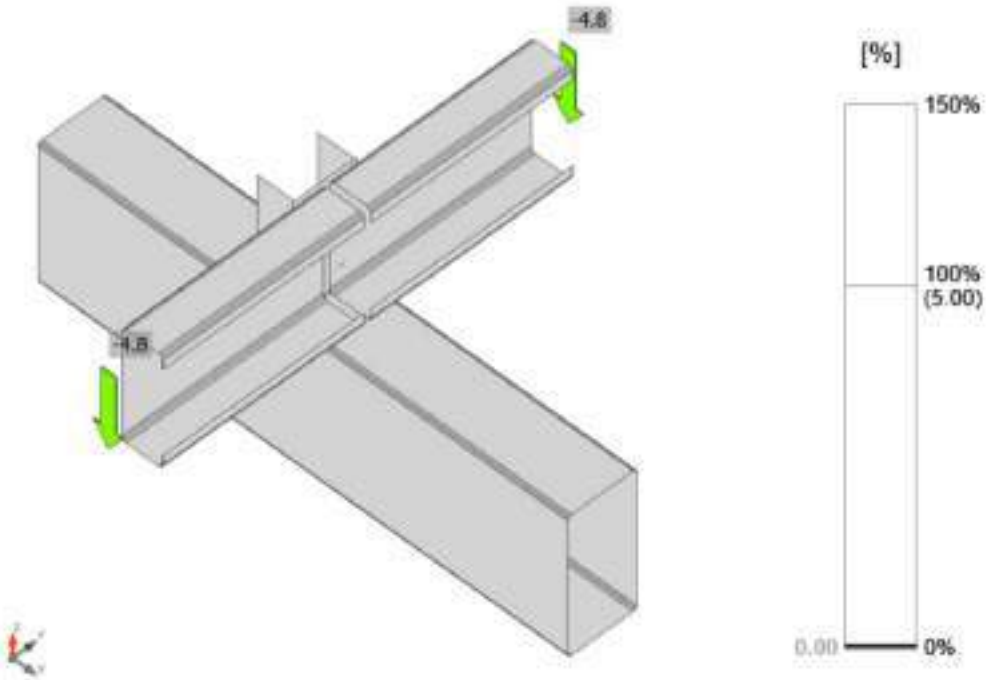
Material	F_y [MPa]	ε_{lim} [%]
A572 Gr.50	344.7	5.0

Explicación del símbolo

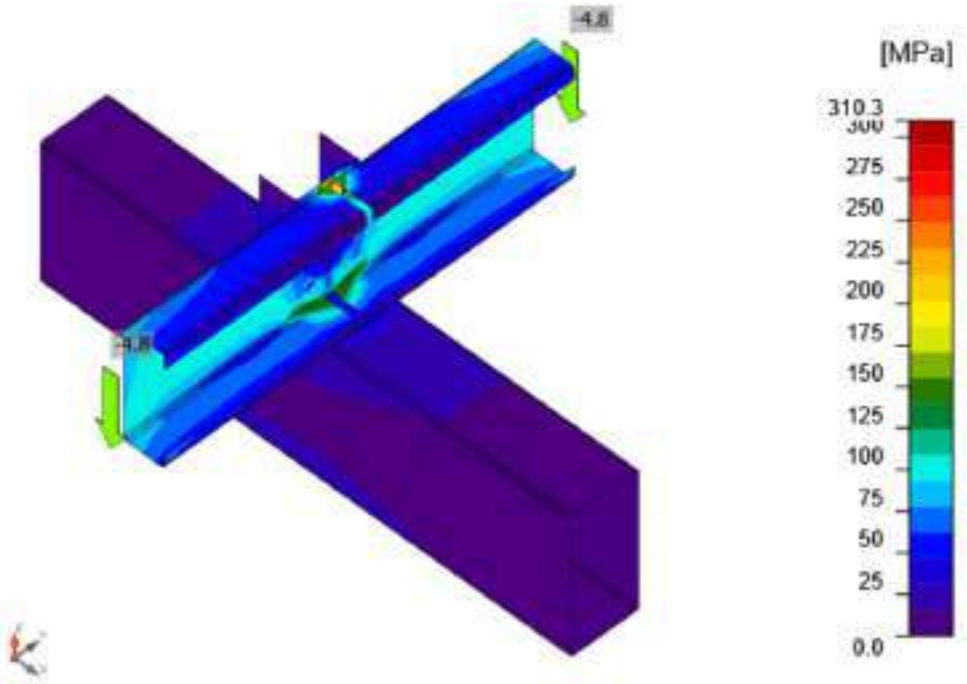
t_p	Espesor de placa
σ_{Ed}	Tensión equivalente
ε_{pl}	Deformación plástica
$\sigma_{c,Ed}$	Tensiones de Contacto
F_y	Límite elástico
ε_{lim}	Límite de la deformación plástica



Verificación general, LE1

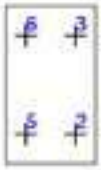


Verificación de deformación, LE1



Tensión equivalente, LE1

Tornillos

Forma	Ítem	Calidad	Cargas	F_t [kN]	V [kN]	$\phi R_{n,portante}$ [kN]	Ut_t [%]	Ut_s [%]	Ut_{ts} [%]	Estado
	B2	1/2 Gr 2 - 1	LE1	3.5	2.5	23.0	18.8	23.1	-	OK
	B3	1/2 Gr 2 - 1	LE1	8.2	2.3	15.5	44.6	20.4	-	OK
	B5	1/2 Gr 2 - 1	LE1	3.4	2.5	23.0	18.7	23.1	-	OK
	B6	1/2 Gr 2 - 1	LE1	8.2	2.3	15.5	44.6	20.4	-	OK

Datos de diseño

Calidad	$\phi R_{n,tracción}$ [kN]	$\phi R_{n,cortante}$ [kN]
1/2 Gr 2 - 1	18.4	11.0

Explicación del símbolo

F_t	Fuerza de tracción
V	Resultante de fuerzas cortantes en pernos Vy y Vz en planos de cortantes
$\phi R_{n,portante}$	Resistencia a aplastamiento de la chapa provocado por el tornillo
Ut_t	Utilización a tracción
Ut_s	Utilización a cortante
Ut_{ts}	Utilización a tensión y cortante
$\phi R_{n,tracción}$	Resistencia a tracción del tornillo - AISC 360-16 – J3.6
$\phi R_{n,cortante}$	Resistencia a cortante del tornillo - AISC 360-16 – J3.6

Soldaduras

Ítem	Borde	Xu	t_w [mm]	w [mm]	L [mm]	L_c [mm]	Cargas	F_n [kN]	ϕR_n [kN]	Ut [%]	Estado
VIGA-w 3	SP 1	E70xx	◢ 2.1 ◣	◢ 3.0 ◣	86	10	LE1	2.1	6.5	32.1	OK
		E70xx	◢ 2.1 ◣	◢ 3.0 ◣	86	10	LE1	2.3	6.6	35.6	OK
SP 1	SP 2	E70xx	-	-	160	-	-	-	-	-	OK
SP 1	SP 3	E70xx	-	-	160	-	-	-	-	-	OK
VIGA-w 3	SP 2	E70xx	◢ 2.1 ◣	◢ 3.0 ◣	50	10	LE1	2.1	5.7	37.8	OK
		E70xx	◢ 2.1 ◣	◢ 3.0 ◣	50	10	LE1	1.9	6.7	28.2	OK
VIGA-w 3	SP 3	E70xx	◢ 2.1 ◣	◢ 3.0 ◣	50	10	LE1	1.9	6.7	28.3	OK
		E70xx	◢ 2.1 ◣	◢ 3.0 ◣	50	10	LE1	2.1	5.7	37.8	OK

Explicación del símbolo

t_w	Espesor de garganta de soldadura
w	Tamaño de la soldadura
L	Longitud de la soldadura
L_c	Longitud del elemento crítico de la soldadura
F_n	Fuerza en el elemento crítico de la soldadura
ϕR_n	Resistencia de la soldadura - AISC 360-16 – J2-4
Ut	Utilización
◢	Cordón de soldadura

Pandeo

El análisis de pandeo no se ha calculado.

Configuración de la norma

Ítem	Valor	Unidad	Referencia
Coeficiente de fricción - hormigón	0.40	-	ACI 349-01 – B.6.1.4
Coeficiente de fricción en la resistencia a deslizamiento	0.30	-	AISC 360-16 – J3.8
Deformación plástica límite	0.05	-	
Detallado	No		
Distancia entre tornillos [d]	2.66	-	AISC 360-16 – J3.3
Distancia entre tornillos y el borde [d]	1.25	-	AISC 360-16 – J.3.4
Resistencia al arrancamiento del cono de hormigón	Ninguno		
Resistencia del metal base en la cara de fusión de la soldadura	No		AISC 360-16 – J2-2
La deformación en el orificio del perno con la carga de servicio es una consideración de diseño	Sí		AISC 360-16 – J3.10
Hormigón fisurado	Sí		ACI 318-14 – 17
Comprobación de la deformación local	No		
Deformación límite local	0.03	-	CIDECT DG 1, 3 - 1.1
No linealidad geométrica (GMNA)	Sí		Grandes deformaciones para secciones huecas

MEMORIA DE CÁLCULOS

CONSTRUCCIÓN DE LA NUEVA PLANTA FÍSICA DEL CENTRO HOSPITAL DEL CORREGIMIENTO DE ROZO, MUNICIPIO DE PALMIRA – VALLE DEL CAUCA

BLOQUE 4
ÁREA TÉCNICA

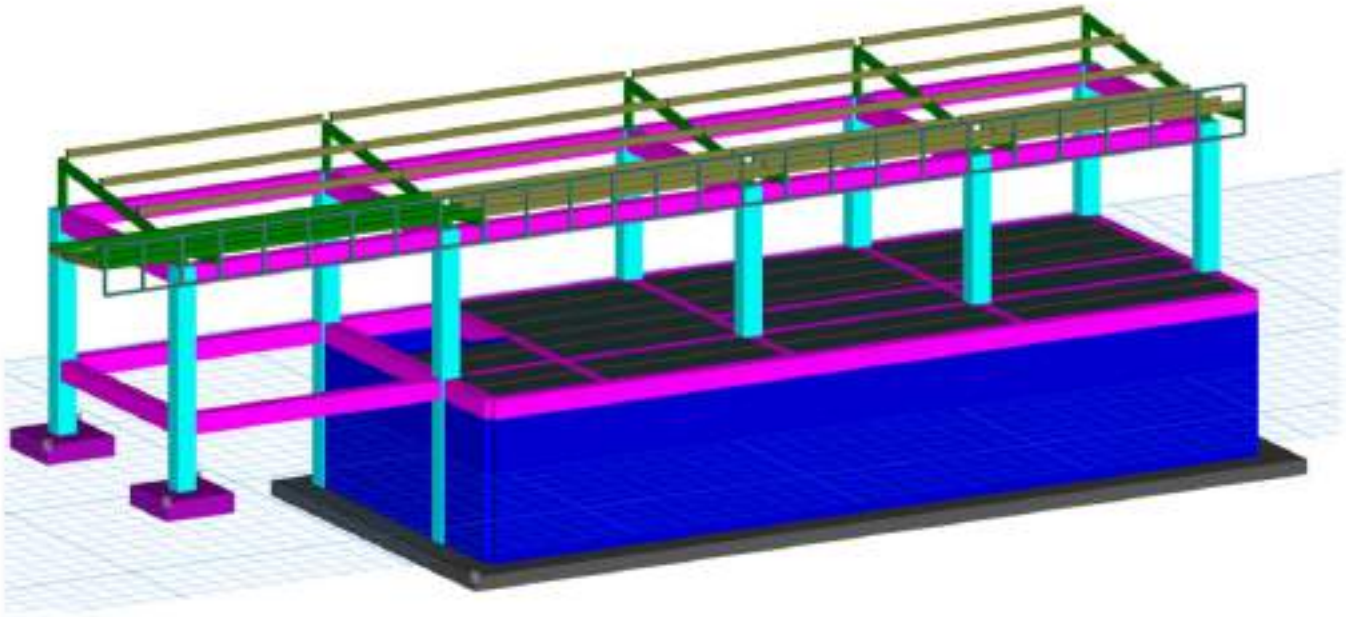
ROZO
PALMIRA - VALLE DEL CAUCA

CONSULTOR: FUNDACIÓN UNIVALLE

Wilmar A. Portilla Salas
Ingeniero Civil, MSc.
M.P.: 76202201272-VLL

PROYECTO:

CONSTRUCCIÓN DE LA NUEVA PLANTA FÍSICA DEL CENTRO HOSPITAL DEL CORREGIMIENTO DE ROZO, MUNICIPIO DE PALMIRA – VALLE DEL CAUCA

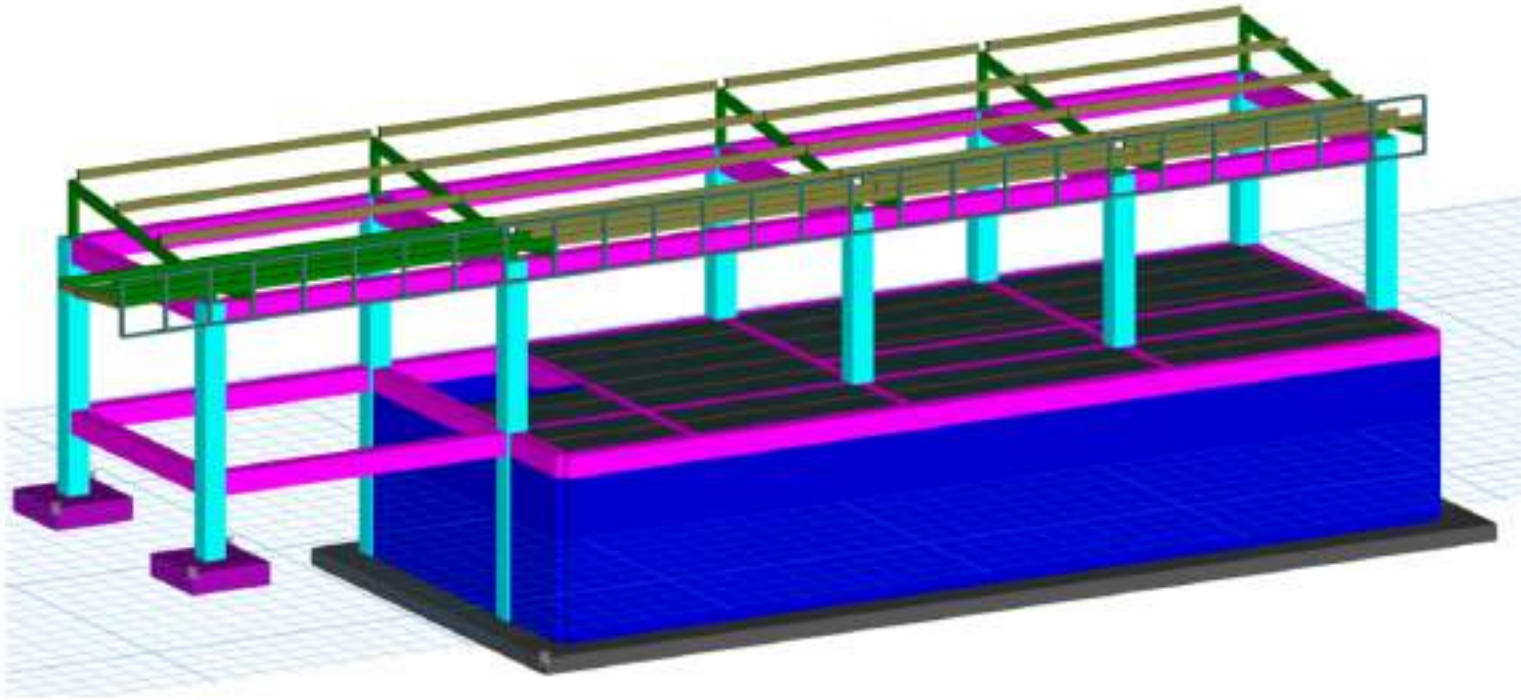


PALMIRA – VALLE DEL CAUCA

Septiembre de 2025

ÍNDICE DE MODIFICACIONES

Índice de revisión	Capitulo Modificado	Fecha de modificación	Observaciones
V1	-	Septiembre 15 de 2025	Primera emisión
V2	-	Septiembre 15 de 2025	Ajustes a observaciones de revisión externa.
V3	-	Octubre 1 de 2025	Ajustes a observaciones de revisión externa.



MODELO 3D

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ANEXO D - MUROS NO ESTRUCTURALES

ANEXO E - DISEÑO PROTECCIÓN CONTRA EL FUEGO

ANEXO F – DISEÑO DE ELEMENTOS METÁLICOS Y CONEXIONES

ANEXO G – ESCALERA

1 OBJETIVO Y ALCANCE

1.1 OBJETIVO

Diseñar y dimensionar la estructura del Bloque 4 del Centro Hospital de Rozoo, garantizando el cumplimiento de los requisitos de seguridad, funcionalidad y normativa vigente. El diseño estructural se desarrollará con base en la información proporcionada por el estudio de suelos, el proyecto arquitectónico y demás especificaciones técnicas, considerando las acciones gravitacionales y laterales, y aplicando los lineamientos establecidos en la Norma Colombiana de Diseño y Construcción Sismo Resistente (NSR-10).

1.2 ALCANCE

El alcance del presente proyecto comprende la elaboración de los diseños estructurales definitivos del Bloque 4 (área técnica) correspondiente al CES ROZO. Dichos diseños atenderán criterios de resistencia, estabilidad, seguridad, funcionalidad constructiva y servicio, cumpliendo con lo establecido en el Reglamento Colombiano de Construcción Sismo Resistente NSR-10, así como con las recomendaciones derivadas del estudio de suelos y las condiciones particulares del proyecto arquitectónico.

2 GENERALIDADES

2.1 DESCRIPCIÓN DE LA ESTRUCTURA

- La estructura está proyectada en concreto reforzado, conformada por muros perimetrales e internos diseñados para resistir tanto las presiones hidrostáticas del agua almacenada como las presiones del terreno. En la parte superior se dispone una losa maciza apoyada sobre vigas descolgadas, conformando un área técnica. Adicionalmente, se incluyen columnas de

concreto reforzado resistentes a momentos, que soportan la cubierta de la estructura.

- La cubierta está compuesta por vigas tubulares de acero estructural, correas en lámina delgada tipo "perlin" y teja termoacústica.

- La cimentación es de tipo superficial, compuesta por zapatas aisladas y vigas de amarre, diseñadas conforme a las recomendaciones del estudio de suelos.

2.2 CARACTERÍSTICAS GENERALES

Localización:	Rozo - Palmira, Valle del Cauca
Sistema estructural:	Porticos de concreto reforzado
Uso proyectado:	Institucional (Salud)
Número de pisos:	1 Pisos + tanques enterrados.

2.3 ESTUDIOS COMPLEMENTARIOS

Proyecto arquitectónico:	ESTUDIO UN S.A.S. BIC
Estudio de suelos:	LABCON

2.4 NORMA DE DISEÑO

En este numeral se citan los diferentes códigos, normas y estándares que se aplicaran al diseño de edificaciones, de acuerdo a la normativa vigente nacional.

- Reglamento colombiano de Diseño Sismo Resistente NSR-10 - Ley 1229 de 2008.
  - Decreto 926 de 2010
  - Decreto 092 de 2011
  - Decreto 340 de 2012
  - Decreto 945 de 2017
  - Decreto No. 2113 de 2019
  - Decreto Nol 1711 de 2021
  - Decreto No. 1401 de 2023

2.5 MATERIALES

2.5.1 ACERO ESTRUCTURAL

Los elementos de acero estructural deben cumplir con las especificaciones contenidas por el literal F.2.1.5.1 de la NSR-10 y las normas ASTM correspondientes:

• Perfiles W, IPE, HE y Platinas	ASTM A572 Gr.50	f_y = 3515 kg/cm^2
• Perfiles tubulares circulares	ASTM A500 Gr.C	f_y = 3241 kg/cm^2
• Perfiles rectangulares	ASTM A500 Gr.C	f_y = 3515 kg/cm^2
• Ángulos y Canales	ASTM A572 Gr.50	f_y = 3515 kg/cm^2
• Anclajes	ASTM A193 Gr. B7	f_y = 8788 kg/cm^2
• Pernos	ASTM A325	f_y = 8436 kg/cm^2
• Soldadura	E70XX	

2.5.2 ACERO DE REFUERZO

• Barras corrugadas	ASTM A706M	f_y = 4200 kg/cm^2

De acuerdo al literal C.8.5.2 de la NSR-10 se define el módulo de elasticidad del acero de refuerzo Es como 2'030,000 kg/cm^2

2.5.3 CONCRETO

• Cimentación	f'_c = 280 kg/cm^2
• Columnas, vigas y losas	f'_c = 280 kg/cm^2

De acuerdo al literal C.8.5.1 de la NSR-10 se define el módulo de elasticidad del concreto de acuerdo a la resistencia a la compresión usada. $E_c = 15100\sqrt{f'_c}$

2.5.4 MORTEROS

• Mortero de pega	NTC 3329	f'_{cr} = 175 kg/cm^2
• Mortero de relleno	NTC 4048	f'_{cr} = 125 kg/cm^2

De acuerdo a los literales D.3.4 y D.3.5 de la NSR-10 se define la resistencia de los morteros a emplear en los muros de mampostería.

2.5.5 MAMPOSTERÍA

- Perforación vertical $f'_m = 88\ kg/cm^2$ $E_m = 65725\ kg/cm^2$

De acuerdo al literal D.5.2.1.2 de la NSR-10 se define el módulo de elasticidad del concreto de acuerdo a la resistencia a la compresión usada. $E_m = 750\ f'_m$

3 PARÁMETROS DE ANÁLISIS Y DISEÑO

3.1 ANÁLISIS ESTRUCTURAL

El modelo analítico de la estructura se desarrolla en el programa ETABS, un software de análisis por elementos finitos. En él se emplean elementos tipo Frame para representar vigas y columnas, y elementos tipo Shell bidimensionales (de tres o cuatro nodos) para modelar losas y muros.

La modelación incluye, desde su inicio, la definición de la geometría, propiedades de los materiales y las acciones a las que estará sometida la estructura. Los materiales como acero, concreto y mampostería se consideran isotrópicos y elásticos lineales, obedeciendo la ley de Hooke.

Las uniones entre elementos estructurales se asumen rígidas. Las columnas se modelan con apoyos tipo empotramiento, mientras que los muros se apoyan de forma articulada para permitir rotación en su eje débil, restringiendo completamente sus desplazamientos.

Las cargas gravitacionales (muertas y vivas) se consideran permanentes, mientras que las acciones sísmicas se definen mediante un espectro elástico de aceleraciones, del cual se derivan fuerzas horizontales sobre la estructura.

Una vez definidos estos parámetros, se realiza el análisis estructural mediante el método matricial elástico, determinando la rigidez global del sistema, compuesta por las rigideces individuales de los elementos Frame y Shell. Posteriormente, se ejecuta un análisis modal para obtener las propiedades dinámicas de la estructura, seguido de un análisis espectral modal conforme a lo establecido en el Capítulo A.5 de la NSR-10. Este análisis permite determinar desplazamientos, reacciones y esfuerzos internos requeridos para el diseño estructural de la edificación.

3.2 CONDICIONES DEL MODELO

- Se colocaron apoyos tipo "Area spring" para simular la interacción sueloestructura.
- Para la modelación de los muros y losas se utilizaron secciones de área tipo "shell".
- Para la aplicación de la presión se utilizó la función Assign – Area Loads - "Non-Uniform" que permite la variación de los valores de las presiones en función de la altura, debiendo introducirse una ecuación del tipo lineal (P = Cz +D).

3.3 SISTEMA ESTRUCTURAL

En el bloque B4 (área técnica) se presenta una condición en la que una estructura aporticada (flexible) se apoya sobre una estructura mucho más rigida, correspondiente al tanque enterrado conformado por muros de concreto reforzado. Por esta razón, para el análisis sísmico se adoptó la siguiente clasificación estructural:

3.3.1 ESTRUCTRUTURA APORTICA DE CONCRETO REFORZADO:

El sistema estructural de resistencia sísmica de la edificación se clasifica como un sistema de pórticos resistentes a momentos en concreto reforzado, conforme a lo establecido en el Reglamento Colombiano de Construcción Sismo Resistente (NSR-10), que define cada sistema según los tipos de elementos verticales utilizados para resistir las fuerzas sísmicas y el grado de capacidad de disipación de energía del material estructural empleado.

A.3.2.1.3 Sistema de pórtico — Es un sistema estructural compuesto por un pórtico espacial, resistente a momentos, esencialmente completo, sin diagonales, que resiste todas las cargas verticales y fuerzas horizontales.

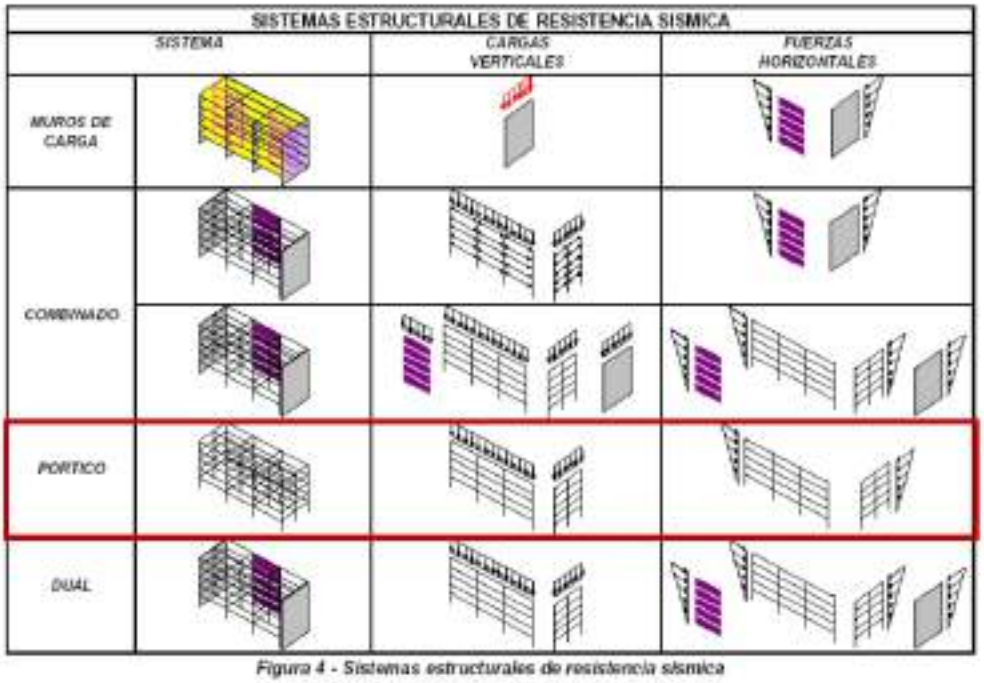


Figura 4 - Sistemas estructurales de resistencia sísmica

3.3.1.1 CAPACIDAD DE DISIPACIÓN DE ENERGÍA

De acuerdo con el sistema estructural, la calidad de los materiales y con la capacidad de disipación de energía exigida por el código para cada una de las regiones, se determina el coeficiente de modificación de respuesta Ro de acuerdo a la tabla A. 3-2 de la norma NSR-10.

3.3.1.2 COEFICIENTE DE CAPACIDAD DE DISIPACIÓN DE ENERGÍA BÁSICO Ro

Por ser una estructura localizada en una zona sísmica alta, se deben seguir las recomendaciones y límites establecidos en la norma NSR-10. Para este caso, se configura un sistema de pórticos resistentes a momentos se le asigna un valor de disipación de energía básico Ro = 7 de acuerdo a la tabla A.3.3 de la NSR-10.

C. SISTEMA DE PÓRTICO RESISTENTE A MOMENTOS		Valor R_0 (Nota 2)	Valor Ω_0 (Nota 4)	zonas de amenaza sísmica					
				Alta		Intermedia		baja	
Sistema resistencia sísmica (fuerzas horizontales)	Sistema resistencia para cargas verticales			uso permit	altura máx.	uso permit	altura máx.	uso permit	altura máx.
1. Pórticos resistentes a momentos con capacidad especial de disipación de energía (DES)									
a. De concreto (DES)	el mismo	7.0	3.0	si	sin límite	si	sin límite	si	sin límite

3.3.1.3 COEFICIENTE DE SOBRERRESISTENCIA Ωo

Coeficiente que depende del material estructural y el grado de disipación de energía que requieren los elementos frágiles o las conexiones de una edificación. De acuerdo a la tabla A.3-3. el coeficiente de sobre resistencia para un sistema estructural combinado concreto reforzado (DES) es igual a Ωo = 3.0

3.3.2 ESTRUCTRUTURA TIPO TANQUE ENTERRADO:

- Se clasifica como una estructura de contención rígida, constituida por muros de concreto reforzado y losa de cimentación, que debido a su rigidez presenta un desplazamiento sísmico despreciable en comparación con la superestructura.
- Para el análisis dinámico, se modela como un elemento de apoyo rígido que transmite las acciones sísmicas directamente al suelo.

3.3.2.1 CAPACIDAD DE DISIPACIÓN DE ENERGÍA

El tanque enterrado de muros de concreto reforzado se considera estructura rígida de contención con baja capacidad de disipación de energía; por lo tanto, se modela y diseña esencialmente elástico. Se le asigna un valor de disipación de energía básico Ro = 1.0.

4 CARGAS Y COMBINACIONES

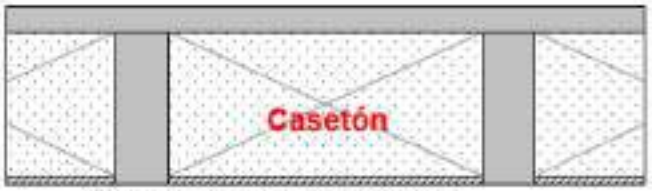
4.1 CARGAS VERTICALES

Las cargas empleadas para el análisis y diseño de la estructura son las siguientes:

4.1.1 CARGAS MUERTAS (D)

Corresponde al peso propio de la estructura y el peso de los elementos que permanecerán fijos durante su uso (cargas permanentes o comunes).

4.1.1.1 Losa segundo piso



Corte típico de losa aligerada

Peso propio losa	
Loseta	360 Kg /m^2
Viguetas	110 Kg /m^2
Casetón	30 Kg /m^2
W_{AD} =	**500 Kg/m^2**

- Cargas por unidad de área

Afinado y acabados de Piso	150 Kg /m^2
Instalaciones (Luminarias-Ductería de red contra inc	15 Kg /m^2
Otros	85 Kg /m^2
W_{AD} =	**250 Kg/m^2**

4.1.1.2 Cubierta

Tipo: Teja termoacústica
Perlines: PHR C 160x60x2.5mm
Separación: $S_{máx}$ = 1.5m



- Cargas por unidad de área

Peso teja			5.0 Kg /m2
Correas			4.0 Kg /m2
Cielo en panel yeso mas entramado			15.0 Kg /m2
Instalaciones (Luminarias-Ductería de red contra incendio)			10.0 Kg /m2
CARGA MUERTA :	**WDL =**	34	Kg/m2

4.1.2 CARGAS VIVAS (L)

Corresponden a aquellas cargas producidas por el uso y ocupación de la edificación y no deben incluir cargas ambientales tales como viento y sismo.

Tabla B.4.2.1-2

Uso: Institucional	Área técnica	W_{LL} =	1000 Kg/m²
	Corredores y escaleras	W_{LL} =	500 Kg/m²
	Salas y balcones	W_{LL} =	**500 Kg/m²**

4.1.3 CARGAS VIVAS DE TECHADO (Lr)

Corresponden a aquellas cargas no permanentes que recurren en la cubierta de manera frecuente y se definen de acuerdo a su tipo, inclinación y uso.

Tabla B.4.2.1-2

Inclinación cubierta θ = 10° < 15°	W_{Lr} =	50 Kg/m²

4.2 CARGAS DE VIENTO (W)

Son aquellas cargas a las que estará sometida la estructura, debidas a la presión del viento (*Ver anexo A*).

Procedimiento analítico capitulo B.6.

Presión negativa máxima Zonas 1, 2 & 3	W_{W-} =	87.1 Kg/m²
Presión positiva Zonas 1, 2 & 3	W_{W+} =	60 Kg/m²

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contacto@fundacionunivalle.org

4.3 CARGA SÍSMICA (E)

4.4 ESPECTRO DE DISEÑO (A.2.6) – ESTRUCTRUA APORTICADA

Son aquellas cargas producidas por movimientos sísmicos que para efectos de análisis se obtienen por medio de un espectro elástico de pseudo-aceleraciones.

- Ciudad:	Palmira (Rozo)
- Perfil de Suelo:	Perfil Tipo E
- Aceleración pico efectiva	A_a (g): 0.25
- Velocidad pico efectiva	A_v (g): 0.20
- Coeficiente de amplificación aceleración periodos cortos F_a:	1.45
- Coeficiente de amplificación periodos intermedios	F_v: 3.2
- Grupo de uso para centros de enseñanza	Grupo II
- Coeficiente de importancia:	I: 1.1

La edificación Bloque 2 se clasificó dentro del Grupo de Ocupación II.

A.2.5.1.3 — *Grupo* II — *Estructuras de ocupación especial* — Cubre las siguientes estructuras:

(a) Edificaciones en donde se puedan reunir más de 200 personas en un mismo salón,
(b) Graderías al aire libre donde pueda haber más de 2000 personas a la vez,
(c) Almacenes y centros comerciales con más de 500 m² por piso,
(d) Edificaciones de hospitales, clínicas y centros de salud, no cubiertas en A.2.5.1.1.
(e) Edificaciones donde trabajen o residan más de 3000 personas, y
(f) Edificios gubernamentales.

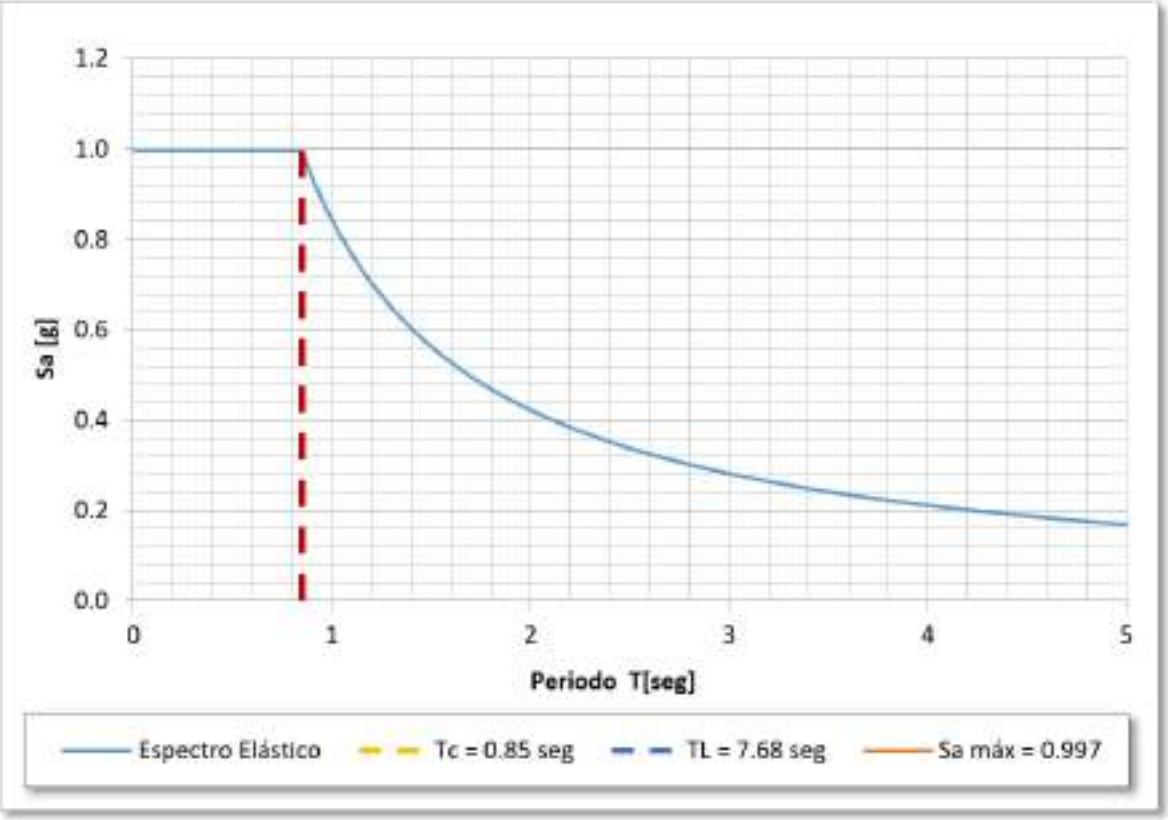


Figura 1. Espectro de diseño elástico

4.5 COMBINACIONES DE CARGAS

El diseño de las estructuras, sus componentes y cimentaciones debe hacerse de tal forma que sus resistencias de diseño igualen o excedan los efectos producidos por las cargas mayoradas en las siguientes combinaciones:

4.5.1 CONDICIONES DE SERVICIO (CARGAS NO MAYORADAS)

B.2.3-1	1.0D
B.2.3-2	1.0D + 1.0H + 1.0L + 1.0T
B.2.3-3	1.0D + 1.0H + 1.0Lr
B.2.3-4	1.0D + 1.0H + 0.75L + 0.75Lr
B.2.3-5	1.0D + 1.0H + 1.0W(+)
B.2.3-6	1.0D + 1.0H + 0.70Ex+0.21Ey
	1.0D + 1.0H + 0.70Ex-0.21Ey
	1.0D + 1.0H - 0.70Ex+0.21Ey
	1.0D + 1.0H - 0.70Ex-0.21Ey
	1.0D + 1.0H + 0.21Ex+0.70Ey
	1.0D + 1.0H + 0.21Ex-0.70Ey
	1.0D + 1.0H - 0.21Ex+0.70Ey
	1.0D + 1.0H - 0.21Ex-0.70Ey
B.2.3-7	1.0D + 1.0H + 0.75L + 0.75Lr + 0.75W(+)
B.2.3-8	1.0D + 1.0H + 0.75L + 0.75Lr + 0.52Ex + 0.16Ey
	1.0D + 1.0H + 0.75L + 0.75Lr + 0.52Ex - 0.16Ey
	1.0D + 1.0H + 0.75L + 0.75Lr - 0.52Ex + 0.16Ey
	1.0D + 1.0H + 0.75L + 0.75Lr - 0.52Ex - 0.16Ey
	1.0D + 1.0H + 0.75L + 0.75Lr + 0.16Ex + 0.52Ey
	1.0D + 1.0H + 0.75L + 0.75Lr + 0.16Ex - 0.52Ey
	1.0D + 1.0H + 0.75L + 0.75Lr - 0.16Ex + 0.52Ey
	1.0D + 1.0H + 0.75L + 0.75Lr - 0.16Ex - 0.52Ey
B.2.3-9	0.6D + 1.0H + 1.00W(+)
B.2.3-10	0.6D + 1.0H + 0.70E

4.5.2 CONDICIONES ÚLTIMAS (CARGAS MAYORADAS)

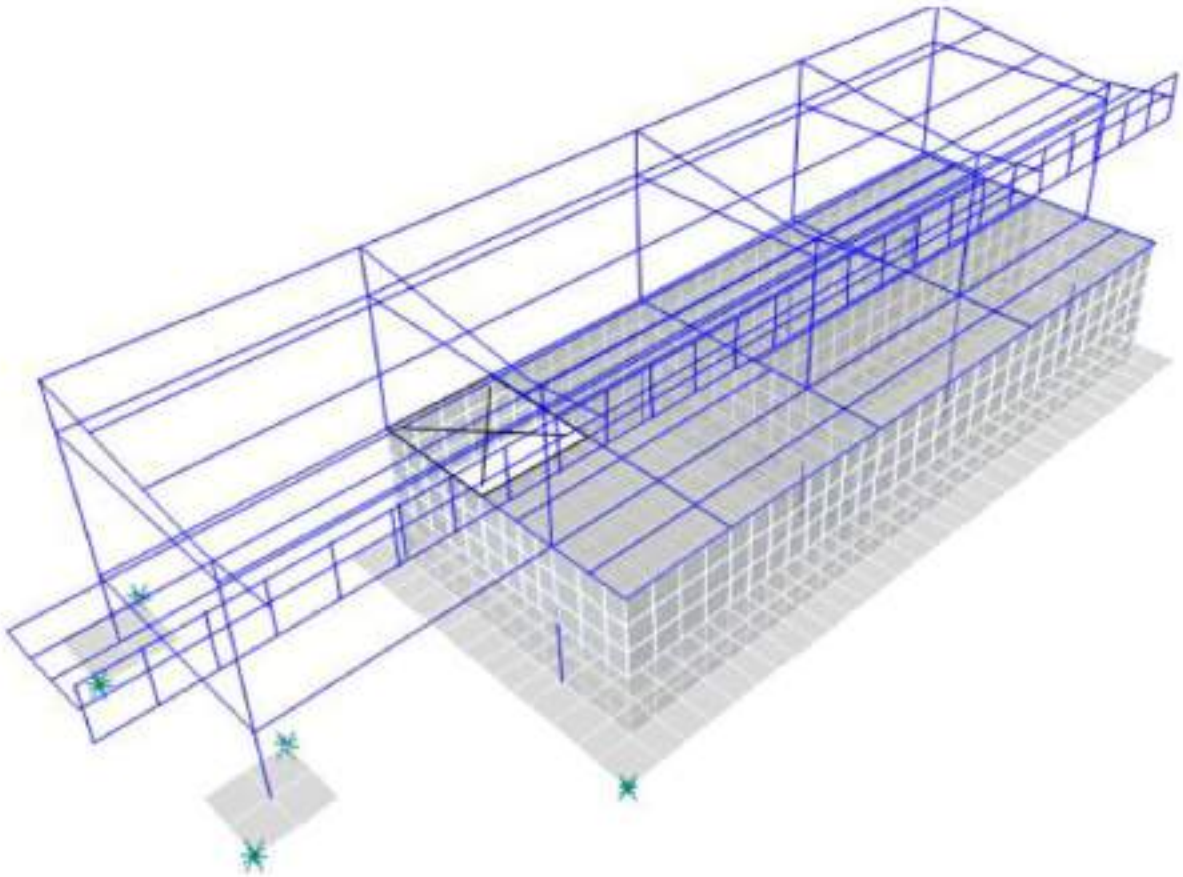
B.2.4-1	1.4D
B.2.4-2	1.2D + 1.6L + 0.5Lr
B.2.4-3	1.2D + 1.0L + 1.6Lr + 0.5W(+)
B.2.4-4	1.2D + 1.0L + 0.5Lr + 1.0W(+)
B.2.4-5	1.2D + 1.0L + 1.0Ex + 0.3Ey
	1.2D + 1.0L + 1.0Ex - 0.3Ey
	1.2D + 1.0L - 1.0Ex + 0.3Ey
	1.2D + 1.0L - 1.0Ex - 0.3Ey
	1.2D + 1.0L + 0.3Ex + 1.0Ey
	1.2D + 1.0L + 0.3Ex - 1.0Ey
	1.2D + 1.0L - 0.3Ex + 1.0Ey
	1.2D + 1.0L - 0.3Ex - 1.0Ey
B.2.4-6	0.9D + 1.0W(-)
B.2.4-7	0.9D + 1.0Ex + 0.3Ey
	0.9D + 1.0Ex - 0.3Ey
	0.9D - 1.0Ex + 0.3Ey
	0.9D - 1.0Ex - 0.3Ey
	0.9D + 0.3Ex + 1.0Ey
	0.9D + 0.3Ex - 1.0Ey
	0.9D - 0.3Ex + 1.0Ey
	0.9D - 0.3Ex - 1.0Ey

5 MODELO DIGITAL

Para el análisis y diseño de los elementos que conforman la edificación se utilizó el software de elementos finitos Etabs V18. de la compañia Computers and Structures, Inc.

A continuación, se presenta informe con los datos de entrada bajo los cuales se realiza el modelo digital.

ETABS® version 18



Resumen

1 Structure Data

1.1 Story Data

Table 1.1 - Story Definitions

Tower	Name	Height m	Master Story	Similar To	Splice Story	Color
B4	CB	1	No	None	No	Orange
B4	NV	3	No	None	No	Gray8Dark
B4	Piso 1	1.5	No	None	No	Gray8Dark

2 Loads

2.1 Load Patterns

Table 2.1 - Load Pattern Definitions

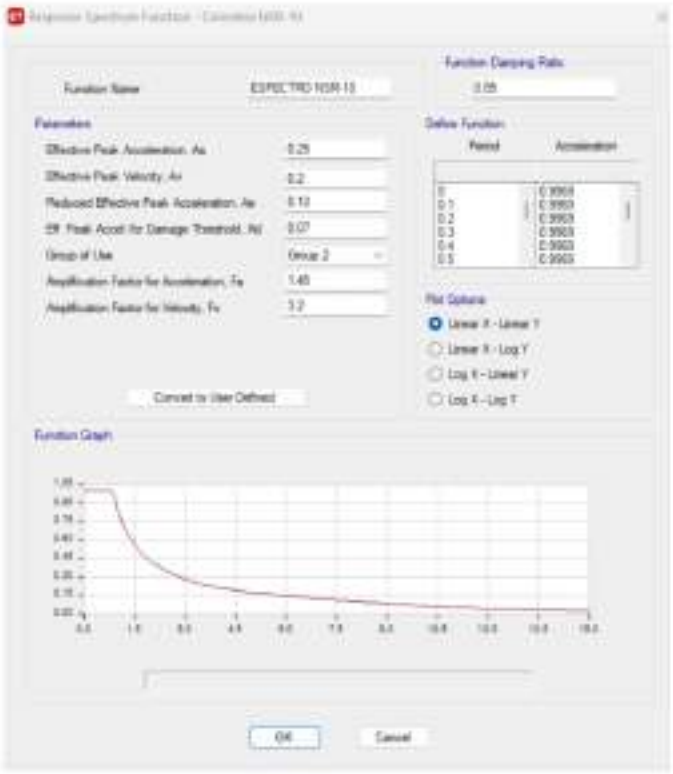
Name	Is Auto Load	Type	Self Weight Multiplier	Auto Load
~EXYECC	Yes	Other	0	
~INEXECC	Yes	Other	0	
~INEYECC	Yes	Other	0	
~LLRF	Yes	Other	0	
~SeismicEXYECC	Yes	Other	0	
~SXECC	Yes	Other	0	
~SYECC	Yes	Other	0	
Dead	No	Dead	1	
F	No	Other	0	
H	No	Other	0	
Live	No	Live	0	
Lr	No	Roof Live	0	
SuperDead	No	Super Dead	0	
T	No	Other	0	
Wx (-)	No	Wind	0	None
Wx (+)	No	Wind	0	None
Wy (-)	No	Wind	0	None
Wy (+)	No	Wind	0	None
Wz (-)	No	Wind	0	None
Wz (+)	No	Wind	0	None

2.2 Functions

2.2.1 Response Spectrum Functions

Table 2.2 - Functions - Response Spectrum - User Defined

Name	Period sec	Value	Aa	Av	Ae	Ad	Group of Use	Fa	Fv	Damping Ratio
ESPECTRO NSR-10	0	0.996875	0.25	0.2	0.12	0.07	2	1.45	3.2	0.05
ESPECTRO NSR-10	0.1	0.996875								
ESPECTRO NSR-10	0.2	0.996875								
ESPECTRO NSR-10	0.3	0.996875								
ESPECTRO NSR-10	0.4	0.996875								
ESPECTRO NSR-10	0.5	0.996875								
ESPECTRO NSR-10	0.6	0.996875								
ESPECTRO NSR-10	0.7	0.996875								
ESPECTRO NSR-10	0.8	0.996875								
ESPECTRO NSR-10	0.9	0.938667								
ESPECTRO NSR-10	1	0.8448								
ESPECTRO NSR-10	1.2	0.704								
ESPECTRO NSR-10	1.5	0.5632								
ESPECTRO NSR-10	1.7	0.496941								
ESPECTRO NSR-10	2	0.4224								
ESPECTRO NSR-10	2.5	0.33792								
ESPECTRO NSR-10	3	0.2816								
ESPECTRO NSR-10	3.5	0.241371								
ESPECTRO NSR-10	4	0.2112								
ESPECTRO NSR-10	5	0.16896								
ESPECTRO NSR-10	8	0.101376								
ESPECTRO NSR-10	11	0.05362								
ESPECTRO NSR-10	15	0.028836								



2.3 Load Cases

Table 2.3 - Load Case Definitions - Summary

Name	Type
Modal	Modal - Eigen
Dead	Linear Static
Live	Linear Static
SuperDead	Linear Static
Lr	Linear Static
F	Linear Static
H	Linear Static
T	Linear Static
$Seismic_{XY}$	Response Spectrum
E_{XY}	Response Spectrum
Wx (+)	Linear Static
Wx (-)	Linear Static
Wy (+)	Linear Static
Wy (-)	Linear Static
Wz (+)	Linear Static
Wz (-)	Linear Static
SX	Response Spectrum
SY	Response Spectrum

Name	Type
INEX	Response Spectrum
INEY	Response Spectrum

3.1 Properties

2.1 Materials

Table 2.1 - Material Properties - General

Material	Type	SymType	Grade	Color	Notes
A416Gr270	Tendon	Uniaxial	Unknown	Gray8Dark	
A572Gr50	Steel	Isotropic	Grade 50	Red	
A615Gr60	Rebar	Uniaxial	Unknown	Magenta	
A653SQGr50	ColdFormed	Isotropic	SQ Grade 50	Blue	
A706Gr60	Rebar	Uniaxial	Grade 60	Yellow	
ASTM A500 Gr. C	Steel	Isotropic	Grade 50	Magenta	
f'c=280kg/cm2	Concrete	Isotropic	Unknown	Cyan	

4.1 Area Loads

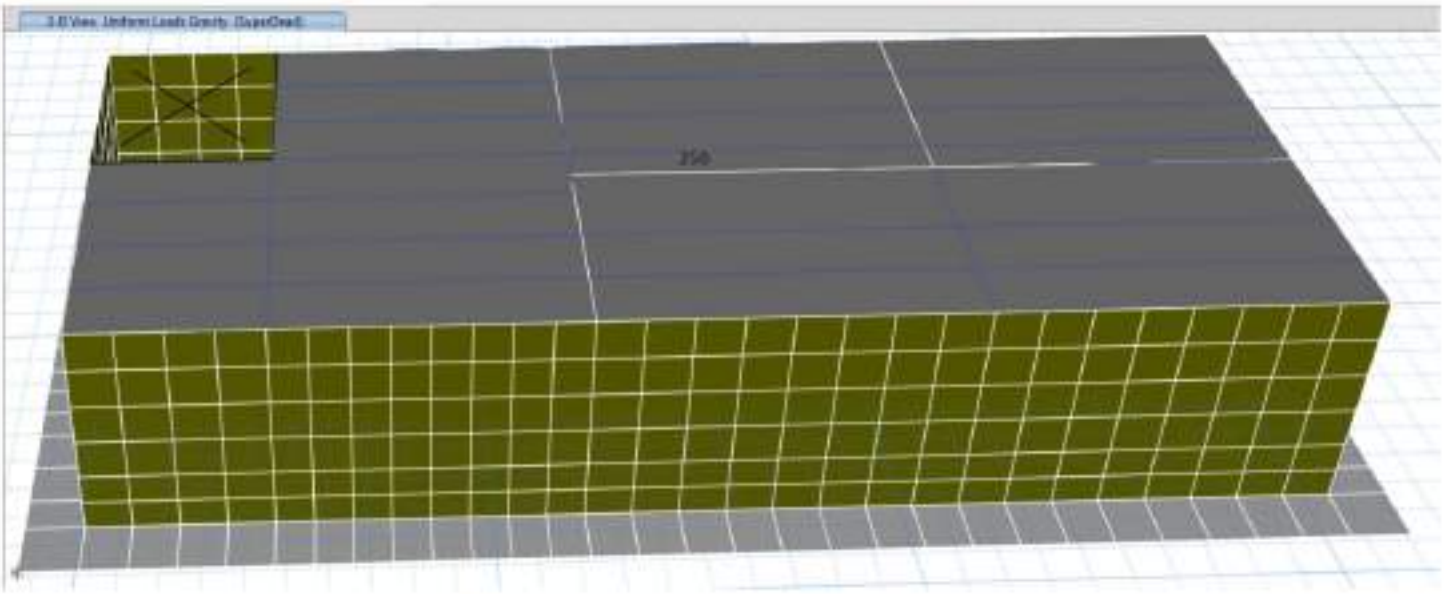


Figura 2. Carga sobreimpuesta sobre losa de entrepiso.

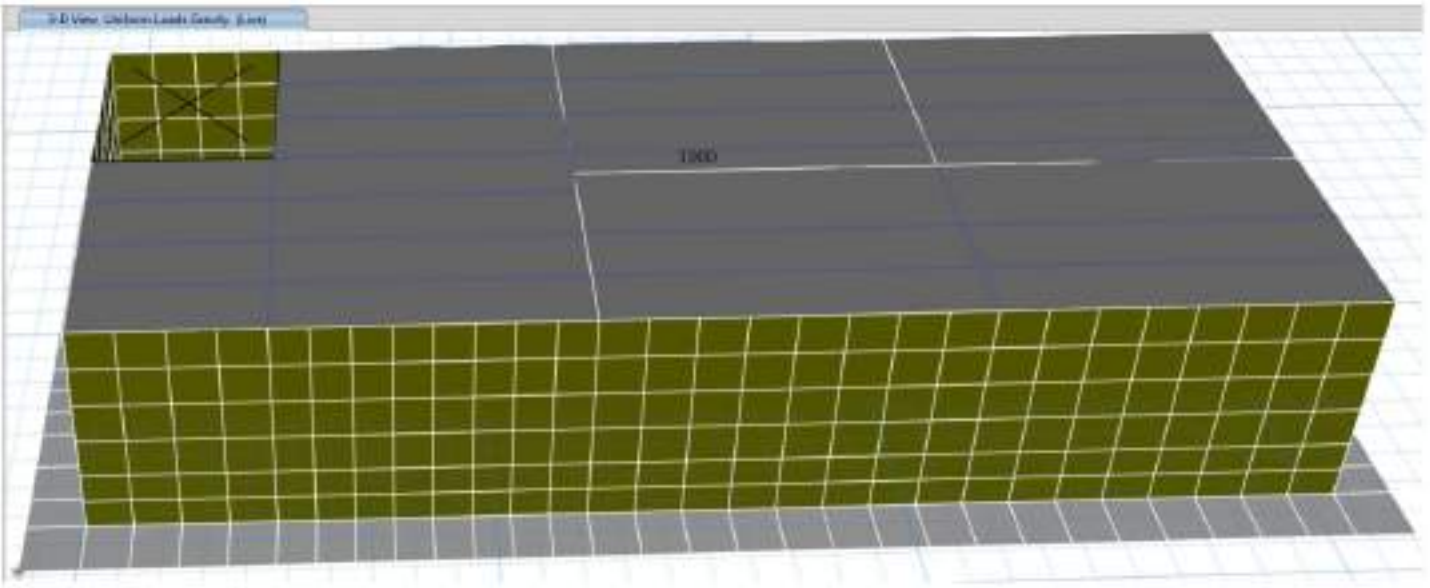


Figura 3. Carga viva sobre losa de entrepiso.

4.2 Frame Loads

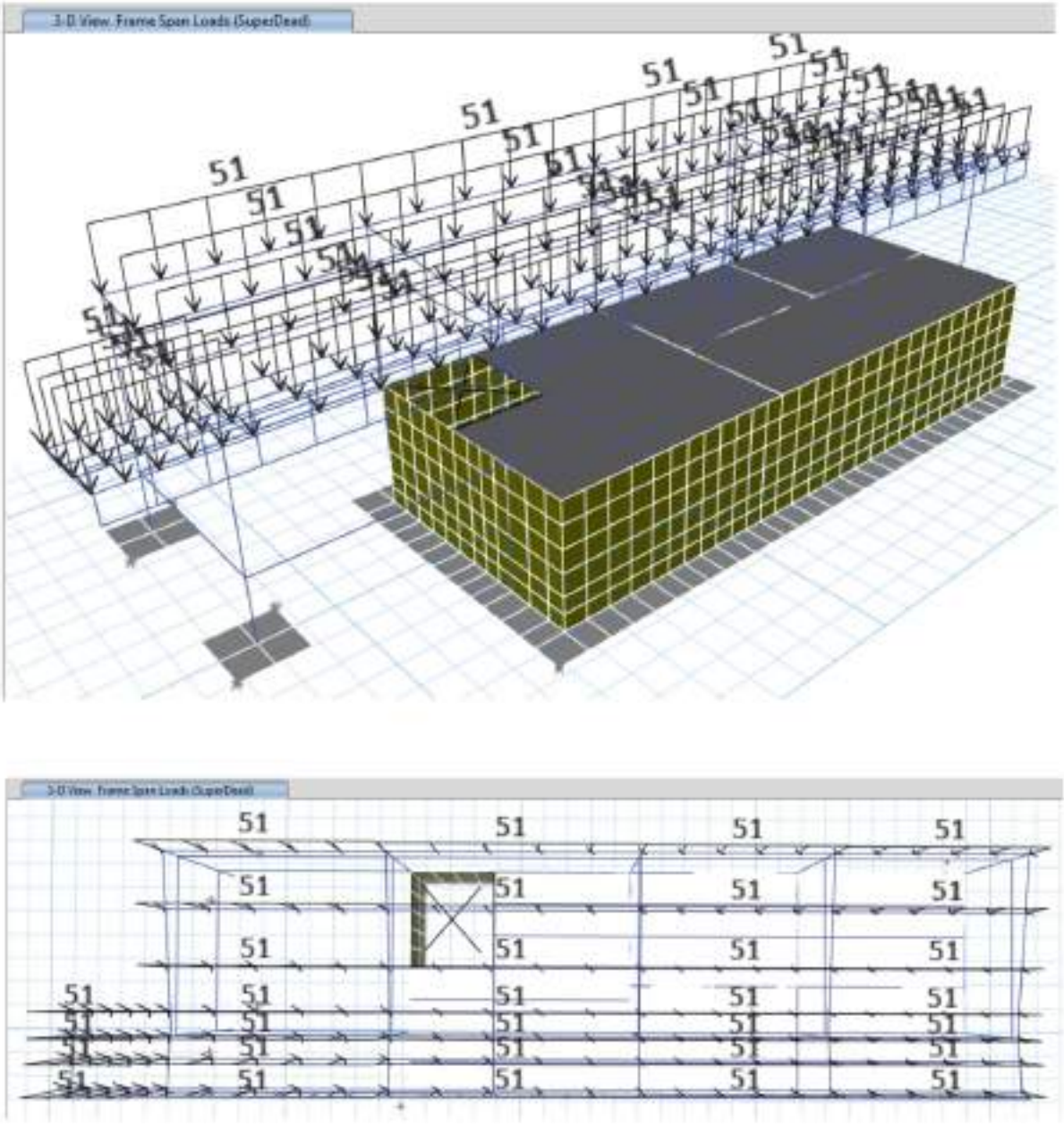


Figura 4. Carga sobreimpuesta sobre cubierta.

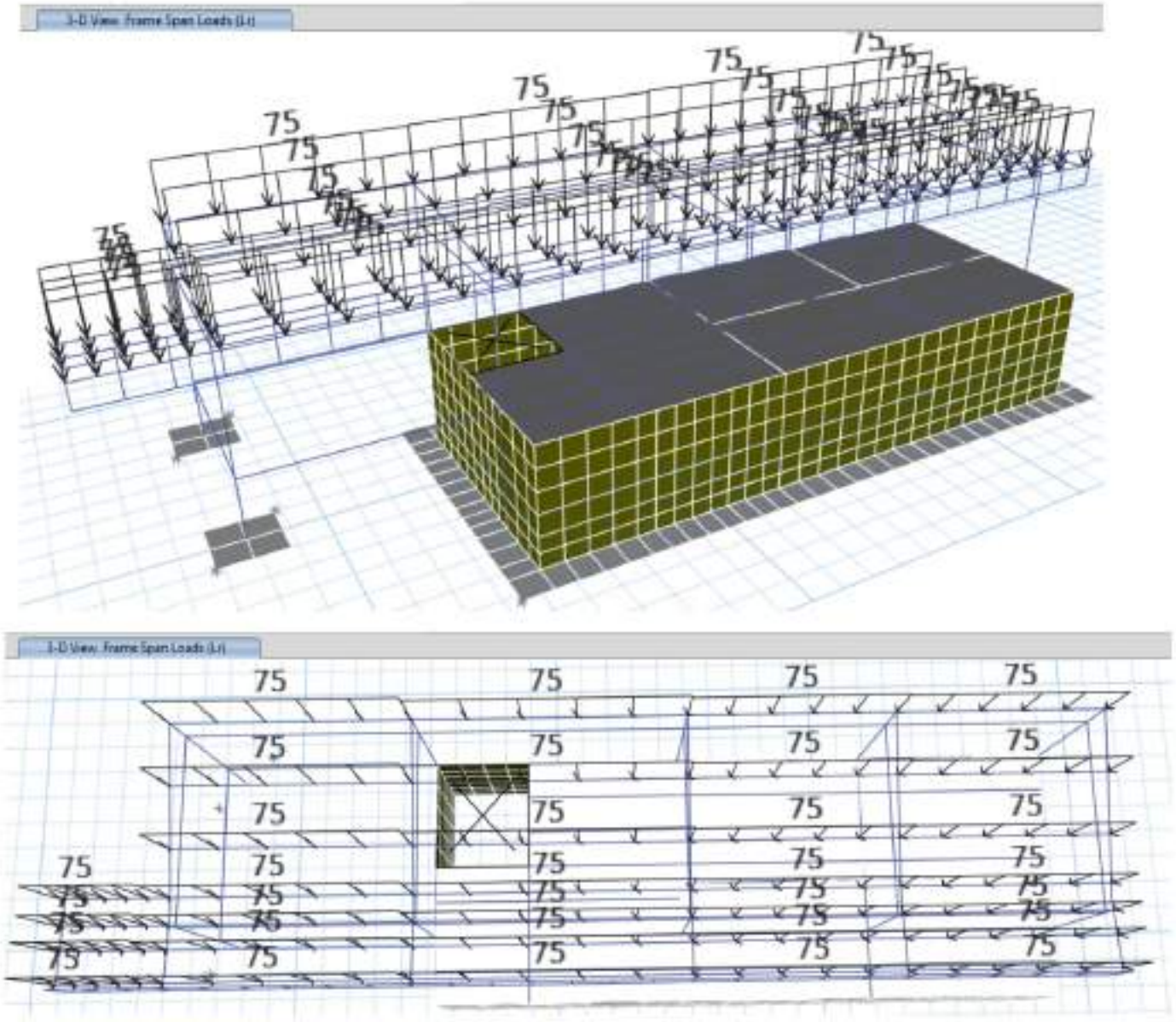


Figura 5. Carga viva sobre cubierta.

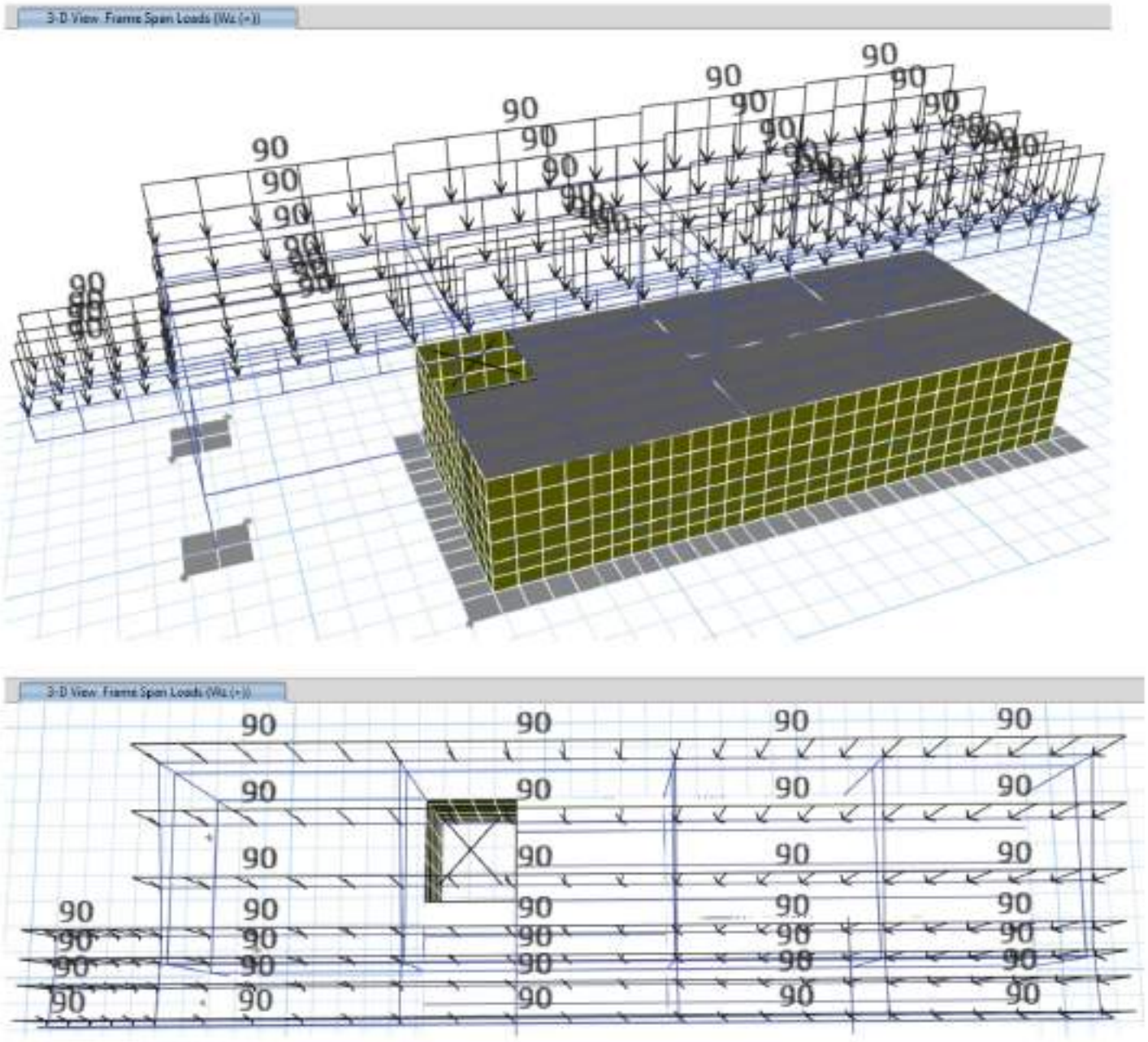


Figura 6. Carga de viento de compresión sobre cubierta.

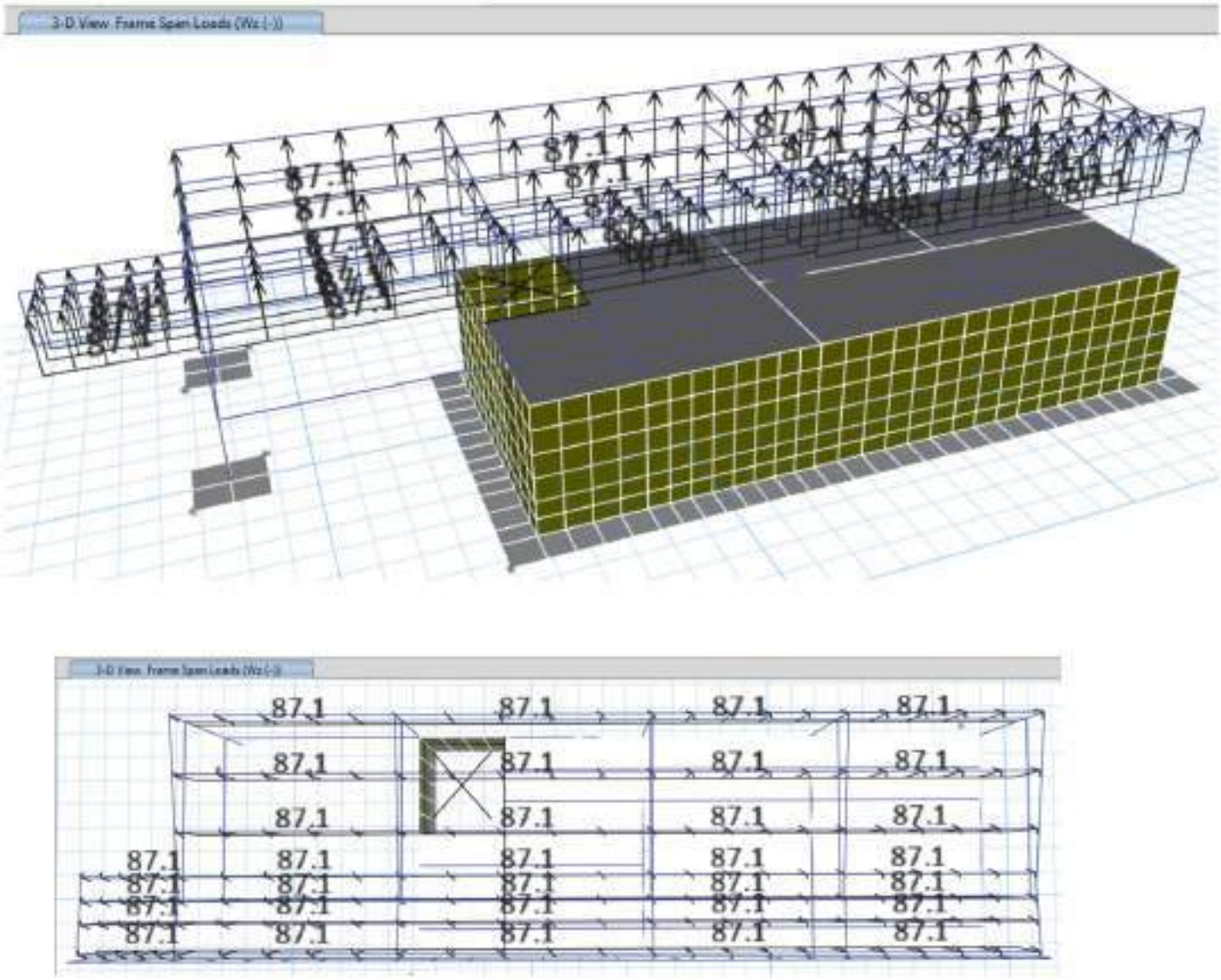


Figura 7. Carga de viento de succión sobre cubierta.

6 ANÁLISIS SÍSMICO

6.1 TIPO DE ANÁLISIS

El análisis sísmico realizado corresponde al método de Análisis Modal Elástico Espectral, según lo establecido en el Capítulo A.5.4 de la norma NSR-10. Para la excitación sísmica se utilizó el espectro de diseño definido en el Título A de dicha norma. En el modelo estructural, se asumieron diafragmas rígidos en las losas, considerando sus características de material, tipología y configuración geométrica.

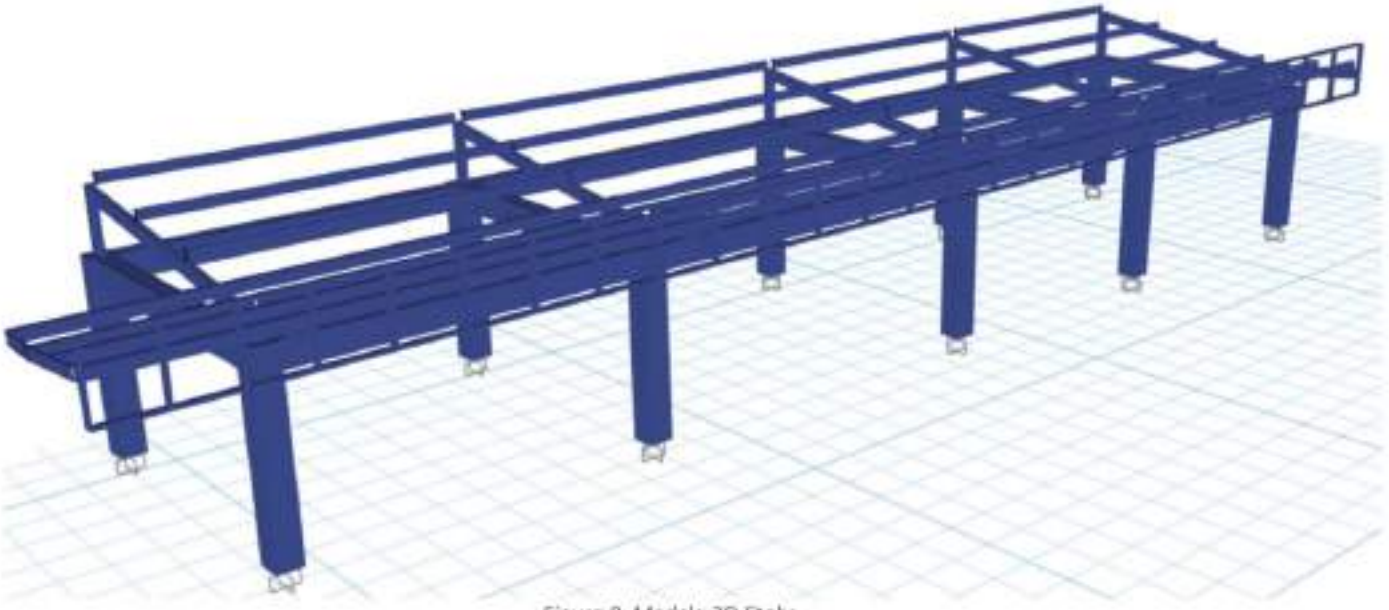


Figura 8. Modelo 3D Etabs

6.2 IRREGULARIDADES

La regularidad o irregularidad de la edificación, tanto en planta como en alzado, se define siguiendo los preceptos de las tablas A.3-6 y A.3-7 de la NSR-10, y su grado de redundancia o de ausencia de ella en el sistema estructural de resistencia sísmica, se define de acuerdo al literal A.3.3.8.

6.2.1 IRREGULARIDADES EN PLANTA ϕ_p

1aP - Irregularidad torsional — La irregularidad torsional existe cuando en una edificación con diafragma rígido, la máxima deriva de piso de un extremo de la estructura, calculada incluyendo la torsión accidental y medida perpendicularmente a un eje determinado, es más de 1.2 y menor o igual a 1.4 veces la deriva promedio de los dos extremos de la estructura, con respecto al mismo eje de referencia.
(ϕ_p: 0.9)

CHEQUEA	Si

1bP - Irregularidad torsional extrema — La irregularidad torsional extrema existe cuando en una edificación con diafragma rígido, la máxima deriva de piso de un extremo de la estructura, calculada incluyendo la torsión accidental y medida perpendicularmente a un eje determinado, es más de 1.4 veces la deriva promedio de los dos extremos de la estructura, con respecto al mismo eje de referencia.
(ϕ_p: 0.8)

CHEQUEA	SI

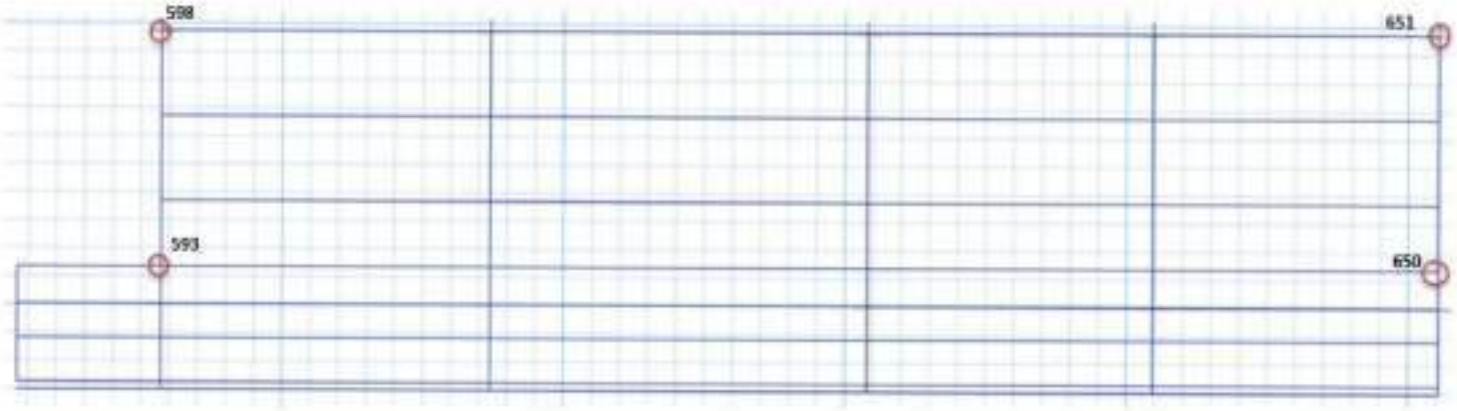


Figura 9 Nodos seleccionados para Irregularidad torsional

SISMO EN X **Δ: Deriva de análisis**

Nodos	593	598				
Nivel	Δ1	Δ2	1.2x(Δ1+Δ2)/2	1.4x(Δ1+Δ2)/2	Irregularidad Torsional	Irregularidad Torsional Extrema
NV	0.0021	0.0015	0.22%	0.25%	No	No

Nodos	650	651				
Piso	Δ1 (cm)	Δ2 (cm)	1.2x(Δ1+Δ2/2	1.4x(Δ1+Δ2/2	Irregularidad Torsional	Irregularidad Torsional Extrema
NV	0.0021	0.0015	0.21%	0.25%	No	No

SISMO EN Y **Δ: Deriva de análisis**

Nodos	593	598				
Piso	Δ1	Δ2	1.2x(Δ1+Δ2)/2	1.4x(Δ1+Δ2)/2	Irregularidad Torsional	Irregularidad Torsional Extrema
NV	0.0019	0.0019	0.22%	0.26%	No	No

Nodos	650	651				
Piso	Δ1 (cm)	Δ2 (cm)	1.2x(Δ1+Δ2/2	1.4x(Δ1+Δ2/2	Irregularidad Torsional	Irregularidad Torsional Extrema
NV	0.0015	0.0015	0.18%	0.20%	No	No

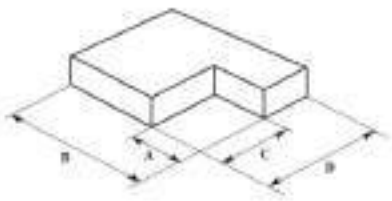
2P - **Retrocesos excesivos en las esquinas** — La configuración de una estructura se considera irregular cuando ésta tiene retrocesos excesivos en sus esquinas. Un retroceso en una esquina se considera excesivo cuando las proyecciones de la estructura, a ambos lados del retroceso, son mayores que el 15 por ciento de la dimensión de la planta de la estructura en la dirección del retroceso. (ϕ_p: 0.9)

CHEQUEA	SI

A	B	C	D
0	22.7 m	0	5.15 m

0.15B	3.4 m	0.15D	0.7725 m

A < 0.15B	SI	C < 0.15D	SI



3P - **Discontinuidades en el diafragma** — Cuando el diafragma tiene discontinuidades apreciables o variaciones en su rigidez, incluyendo las causadas por aberturas, entradas,

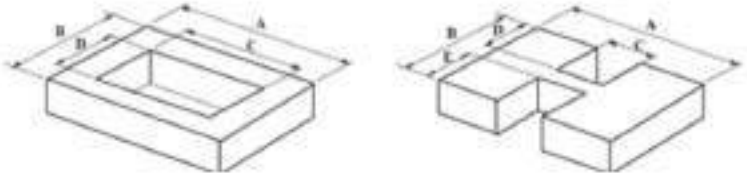
retrocesos o huecos con áreas mayores al 50 por ciento del área bruta del diafragma o existen cambios en la rigidez efectiva del diafragma de más del 50 por ciento, entre niveles consecutivos, la estructura se considera irregular. (ϕ_p: 0.9)

CHEQUEA	SI

AREA BRUTA (AB)	117 m^2	0.5AB	58 m^2
AREA ABERTURA (AA)	0 m^2	0.5AB > AA	OK

Tipo 3P — Irregularidad del diafragma — ϕ_p = 0.9

1) C x D > 0.5 A x B **2) (C x D + C x E) > 0.5 A x B**



4P - Desplazamientos del plano de acción de elementos verticales — La estructura se considera irregular cuando existen discontinuidades en las trayectorias de las fuerzas inducidas por los efectos sísmicos, tales como cuando se traslada el plano que contiene a un grupo de elementos verticales del sistema de resistencia sísmica, en una dirección perpendicular a él, generando un nuevo plano. Los altillos o mansardas de un solo piso se eximen de este requisito en la consideración de irregularidad. (ϕ_p: 0.8)

CHEQUEA	SI

5P - Sistemas no paralelos — Cuando las direcciones de acción horizontal de los elementos verticales del sistema de resistencia sísmica no son paralelas o simétricas con respecto a los ejes ortogonales horizontales principales del sistema de resistencia sísmica, la estructura se considera irregular. (ϕ_p: 0.9)

CHEQUEA	SI

Conclusión: La estructura Si tiene irregularidad en planta ϕ_p = 1.0

6.2.2 IRREGULARIDADES EN ALTURA ϕ_a

1aA - Piso flexible (Irregularidad en rigidez) — Cuando la rigidez ante fuerzas horizontales de un piso es menor del 70 por ciento, pero superior o igual al 60 por ciento de la rigidez del piso superior o menor del 80 por ciento, pero superior o igual al 70 por ciento del promedio de la rigidez de los tres pisos superiores, la estructura se considera irregular. (ϕ_p: 0.9)

CHEQUEA	SI

1bA - Piso flexible (Irregularidad extrema en rigidez) — Cuando la rigidez ante fuerzas horizontales de un piso es menor del 60 por ciento de la rigidez del piso superior o menor del 70 por ciento del promedio de la rigidez de los tres pisos superiores, la estructura se considera irregular. (ϕ_p: 0.8)

CHEQUEA	SI

2A - Irregularidad en la distribución de las masas — Cuando la masa, m_i, de cualquier piso es mayor que 1.5 veces la masa de uno de los pisos contiguos, la estructura se considera irregular. Se exceptúa caso de cubiertas que sean más livianas que el piso de abajo. (ϕ_p: 0.9)

CHEQUEA	SI

3A - Irregularidad geométrica — Cuando la dimensión horizontal del sistema de resistencia sísmica en cualquier piso es mayor que 1.3 veces la misma dimensión en un piso adyacente, la estructura se considera irregular. Se exceptúa el caso de altillos de un solo piso. (ϕ_p: 0.9)

CHEQUEA	SI

4A - Desplazamientos dentro del plano de acción — La estructura se considera irregular cuando existen desplazamientos en el alineamiento de elementos verticales del sistema de resistencia sísmica, dentro del mismo plano que los contiene, y estos desplazamientos son mayores que la dimensión horizontal del elemento. Cuando los elementos desplazados solo sostienen la cubierta de la edificación sin otras cargas adicionales de tanques o equipos, se eximen de esta consideración de irregularidad. (ϕ_p: 0.8)

CHEQUEA	SI

5aA - Piso débil — Discontinuidad en la resistencia — Cuando la resistencia del piso es menor del 80 por ciento de la del piso inmediatamente superior pero superior o igual al 65 por ciento, entendiendo la resistencia del piso como la suma de las resistencias de todos los

elementos que comparten el cortante del piso para la dirección considerada, la estructura se considera irregular. (ϕ_p: 0.9)

CHEQUEA	SI

5bA - Piso débil — Discontinuidad extrema en la resistencia — Cuando la resistencia del piso es menor del 65 por ciento de la del piso inmediatamente superior, entendiendo la resistencia del piso como la suma de las resistencias de todos los elementos que comparten el cortante del piso en la dirección considerada, la estructura se considera irregular. (ϕ_p: 0.8)

CHEQUEA	SI

Conclusión: La estructura No tiene irregularidad en altura $\phi_a = 1.0$

6.2.3 AUSENCIA DE REDUNDANCIA EN EL SISTEMA ESTRUCTURAL DE RESISTENCIA SÍSMICA ϕ_r.

A.3.3.8.2 — En edificaciones con un sistema estructural con capacidad de disipación de energía moderada (DMO) y especial (DES) — Para edificaciones cuyo sistema estructural es de un material que cumple los requisitos de capacidad de disipación de energía moderada (DMO) o especial (DES) el valor del factor de reducción de resistencia por ausencia de redundancia en el sistema estructural de resistencia sísmica, ϕ_r , se le puede asignar un valor de la unidad (ϕ_r = 1.0) cuando en todos los pisos que resistan más del 35 por ciento del corte basal en la dirección bajo estudio el sistema estructural de resistencia sísmica cumpla las siguientes condiciones de redundancia:

En sistemas de pórtico resistente a momentos — La pérdida de la resistencia a momento en la conexión viga-columna de los dos extremos de una viga no resulta en una reducción de más del 33 por ciento de la resistencia ante fuerzas horizontales del piso ni produce una irregularidad torsional en planta extrema (Tipo 1bP).

Para este caso, se le asigna un factor de ausencia de redundancia $\phi_r = 0.75$.

6.3 REDUCCIÓN DEL VALOR DE R

Cuando una estructura se clasifique como irregular, el valor del coeficiente de capacidad de disipación de energía R que se utilice en el diseño sísmico de la edificación, debe reducirse multiplicándolo por ϕ_p, debido a irregularidades en planta, por ϕ_a debido a irregularidades en altura, y por ϕ_r debido a ausencia de redundancia, como indica la ecuación A.3.3-1.

$$R = \phi_p \phi_a \phi_r R_o = 1.0 \times 1.0 \times 0.75 \times 7 = 5.25$$

6.4 EVALUACIÓN DE LA CARGA SÍSMICA

El análisis sísmico realizado corresponde al método de Análisis Modal Espectral, utilizando como excitación el espectro definido en el Titulo A de la norma NSR-10. Para la correcta aplicación de este método, se verifica que el análisis modal cumpla con lo establecido en el literal A.5.4-5 de la norma, asegurando que se excite al menos el 90% de la masa total de la estructura. Asimismo, se comprueba que la fuerza cortante en la base obtenida mediante este método no sea inferior al 90% de la cortante calculada por el método de la Fuerza Horizontal Equivalente (FHE), en caso de que la estructura sea clasificada como irregular según el Capítulo A.3. En el caso de estructuras regulares, dicha cortante no debe ser menor al 80% del valor obtenido por FHE.

6.4.1 MATRIZ DE MASA

La masa total de la edificación (M) debe ser igual a la masa total de la estructura más la masa de aquellos elementos tales como muros divisorios y particiones, equipos permanentes, tanques y sus contenidos, etc. En depósitos o bodegas debe incluirse además un 25 por ciento de la masa correspondiente a los elementos que causan la carga viva del piso, en nuestro caso no aplica.

6.4.2 PERIODO APROXIMADO DE LA ESTRUCTURA

El Periodo fundamental de la estructura aproximado $T_a = C_t h^{\alpha}$ no debe exceder el valor de $C_u T_a$, donde Cu se calcula por medio de la ecuación $C_u = 1.75\text{-}1.2A_vF_v$ y no debe ser menor a 1.20.

Ct:	0.047	Coeficiente dependiente de la estructura
α:	0.90	Parámetro dependiente de la estructura
h:	4	Altura de la estructura [m]
T=Ta en X	0.164	Periodo Fundamental Aprox. [s]
Tcalculado en X	0.263	Periodo Calculado del Analisis Modal [s]
T=Ta en Y	0.164	Periodo Fundamental Aprox. [s]
Tcalculado en Y	0.197	Periodo Calculado del Analisis Modal [s]
A_v:	0.20	Coeficiente de velocidad pico efectiva
F_v:	3.2	Coeficiente amplificación periodos intermedios
C_u:	1.20	coeficiente para calcular el período máximo permisible
T_{max} :	0.196	Periodo maximo aproximado de la estructura en X [s]
T_{max} :	0.196	Periodo maximo aproximado de la estructura en Y [s]
T_{ajus} :	0.196	Periodo ajustado en X [seg] $T_{ajus} = min(T_{max}; T_{cal})$
T_{ajus} :	0.196	Periodo ajustado en Y [seg] $T_{ajus} = min(T_{max}; T_{cal})$

6.4.3 MODOS Y PERIODOS DE VIBRACIÓN

Para el análisis se debe llevar a cabo una excitación mayor al 90% de la masa de la estructura en cada una de las direcciones de estudio.

TABLE: Modal Participating Mass Ratios					
Modo	**Periodo**	**UX**	**UY**	**SumUX**	**SumUY**
1	0.263	0.0003	0.0034	0.0003	0.0034
2	0.197	0.008	0.0047	0.0083	0.0081
3	0.143	0.5223	0.0001	0.5306	0.0082
4	0.12	0.0015	0.6529	0.532	0.6611
5	0.113	0.0283	0.0019	0.5603	0.663
6	0.107	0.0043	0.1275	0.5646	0.7905
7	0.097	0.0024	0.0819	0.567	0.8724
8	0.093	0.0063	0.0221	0.5734	0.8944
9	0.087	0.1747	0.0335	0.7481	0.9279
10	0.084	0.006	0.0479	0.754	0.9758
11	0.083	0.0033	0.0026	0.7573	0.9783
12	0.079	0.2144	0.0052	0.9717	0.9835
13	0.073	0.0002	0.00002831	0.9719	0.9836
14	0.058	0.0193	0.000006939	0.9912	0.9836
15	0.057	1.063E-06	0.000001499	0.9912	0.9836

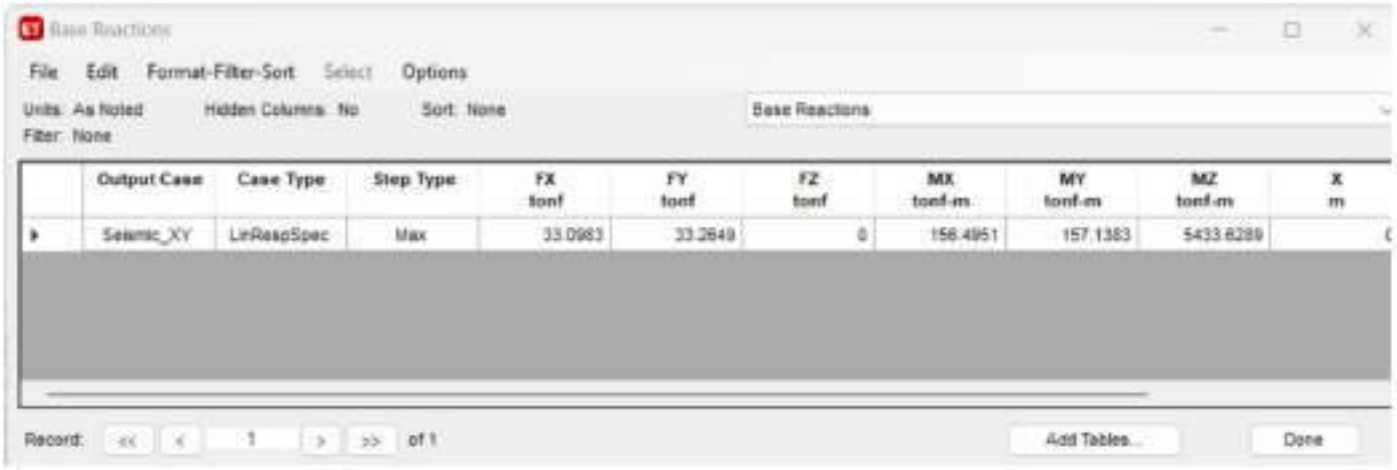
Después de haberse realizado el análisis dinámico, se comprueba que se logra excitar dinámicamente más del 90% de la masa como se exige en el código NSR-10.

6.4.4 CORTANTES EN LA BASE

Para determinar el valor mínimo de la cortante en la base por medio del método del análisis Modal, se debe conocer primero el valor de la cortante en la base por el método de la Fuerza Horizontal Equivalente, empleando la matriz de masa correspondiente a la edificación. El valor de la cortante por el método de la Fuerza Horizontal Equivalente es igual a $V_s = S_a W$.

Sa:	0.997	Valor de Sa correspondiente [g]	
W:	41.16	Peso de la estructura [ton]	
V_{se}:	41.04	Cortante basal estatica FHE [ton]	$V_s = S_a W$
% ajuste	0.8	Estructura regular	
V_{sd}:	32.83	Valor mínimo de cortante dinamica [ton]	

Por ser una estructura irregular, las cortantes obtenidas en cada dirección de estudio por el método del análisis modal, no deben ser menores al 90% de la cortante calculada por el método de la fuerza horizontal equivalente.



Después de haberse realizado el análisis dinámico, se comprueba que las cortantes en la base cumplen con el valor mínimo estipulado por el código NSR-10.

Factores de corrección.

	V basal	V corregida	Factor
X	23.05	33.09	1.42
Y	27.16	33.27	1.21

6.4.5 CALCULO DE DESPLAZAMIENTOS Y DERIVAS

Para el cálculo de los desplazamientos horizontales se siguen los siguientes requerimientos del literal A6.2 de la NSR-10:

A.6.2.1.1 — Cuando se utilice el método de la fuerza horizontal equivalente, las fuerzas horizontales que se empleen para determinar los desplazamientos horizontales y torsionales en el centro de masa pueden calcularse utilizando el periodo, T, que se obtiene por medio de la ecuación A.4.2-1, aplicando el límite de C_uT_a indicado allí, o alternativamente el período T obtenido por alguna de las ecuaciones A.4.2-3 o A.4.2-5.

A.6.2.1.2 — En las edificaciones pertenecientes a los grupos de uso II, III y IV, para la determinación de las fuerzas horizontales que se empleen para calcular los desplazamientos horizontales en el centro de masa, se permite que el coeficiente de importancia I , tenga un valor igual a la unidad (I = 1.0), y las fuerzas de diseño a emplear para obtener la resistencia de la estructura deben utilizar el valor del coeficiente de importancia I correspondiente al grupo de uso de la edificación, tal como se define en A.2.5.2.

Para el chequeo de las derivas empleando el análisis modal espectral, se deben calcular de acuerdo a lo especificado en la ecuación (A.6.3-1) del código NSR-10, obteniendo primero los desplazamientos totales horizontales elásticos de la estructura por piso.

$$\Delta^{i}_{max} = \sqrt{\sum_{j=1}^{2}\left(\delta^{i}_{tot,j} - \delta^{i-1}_{tot,j}\right)^2}$$

La deriva máxima para cualquier piso determinada de acuerdo con el procedimiento de A.6.3.1, no puede exceder los límites establecidos en la tabla A.6.4-1, en la cual la deriva máxima se expresa como un porcentaje de la altura de piso h_{pi}:

Estructuras de:	Deriva máxima
concreto reforzado, metálicas, de madera, y de mampostería que cumplen los requisitos de A.6.4.2.2	$1.0\%\ \left(\Delta^{i}_{max} \leq 0.010\ \ h_{pi}\right)$
de mampostería que cumplen los requisitos de A.6.4.2.3	$0.5\%\ \left(\Delta^{i}_{max} \leq 0.005\ \ h_{pi}\right)$

Tabla A.6.4-1 - Derivas máximas como porcentaje de h_{pi}

6.4.5.1 DERIVAS EN JOINST

6.4.5.2 NIVEL DE VIGAS DE CUBIERTA

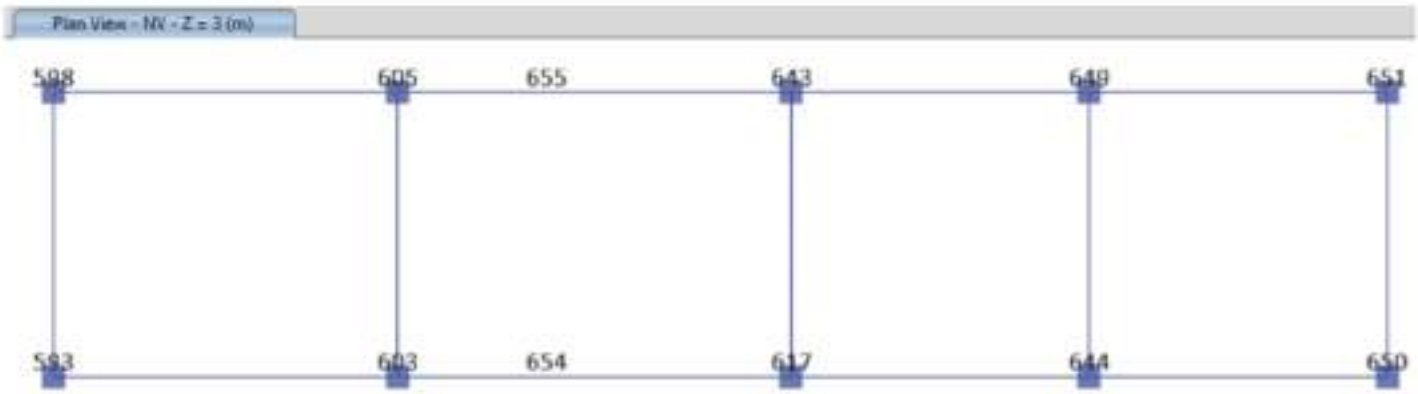


Figura 10. Identificacion de joints de entrepiso (Label).

TABLE: Joint Drifts

Story	Label	Unique Name	Output Case	Case Type	Step Type	Disp X	Disp Y	Drift X	Drift Y
						m	m		
NV	593	1	Seismic_XY	LinRespSpec	Max	0.003013	0.002401	0.001004	0.0008
NV	598	3	Seismic_XY	LinRespSpec	Max	0.002181	0.002387	0.000727	0.000796
NV	603	5	Seismic_XY	LinRespSpec	Max	0.002996	0.004674	0.000999	0.001558
NV	605	7	Seismic_XY	LinRespSpec	Max	0.002179	0.004645	0.000726	0.001548
NV	617	9	Seismic_XY	LinRespSpec	Max	0.00297	0.003959	0.00099	0.00132
NV	643	11	Seismic_XY	LinRespSpec	Max	0.002173	0.003935	0.000724	0.001312
NV	644	13	Seismic_XY	LinRespSpec	Max	0.002952	0.002908	0.000984	0.000969
NV	649	15	Seismic_XY	LinRespSpec	Max	0.002167	0.00289	0.000722	0.000963
NV	650	17	Seismic_XY	LinRespSpec	Max	0.002943	0.0018	0.000981	0.0006
NV	651	19	Seismic_XY	LinRespSpec	Max	0.002166	0.001791	0.000722	0.000597
						Máxima deriva		0.100%	0.156%

De acuerdo con la tabla anterior, se verifica que las derivas de piso no exceden el valor del uno por ciento (1,0%). No obstante, tal como lo establece la NSR-10, las estructuras de un solo piso no están sujetas a límite de deriva, siempre y cuando sus desplazamientos no afecten el adecuado funcionamiento de componentes esenciales o no estructurales.

7 IDENTIFICACIÓN DE ELEMENTOS

7.1 PLANTAS

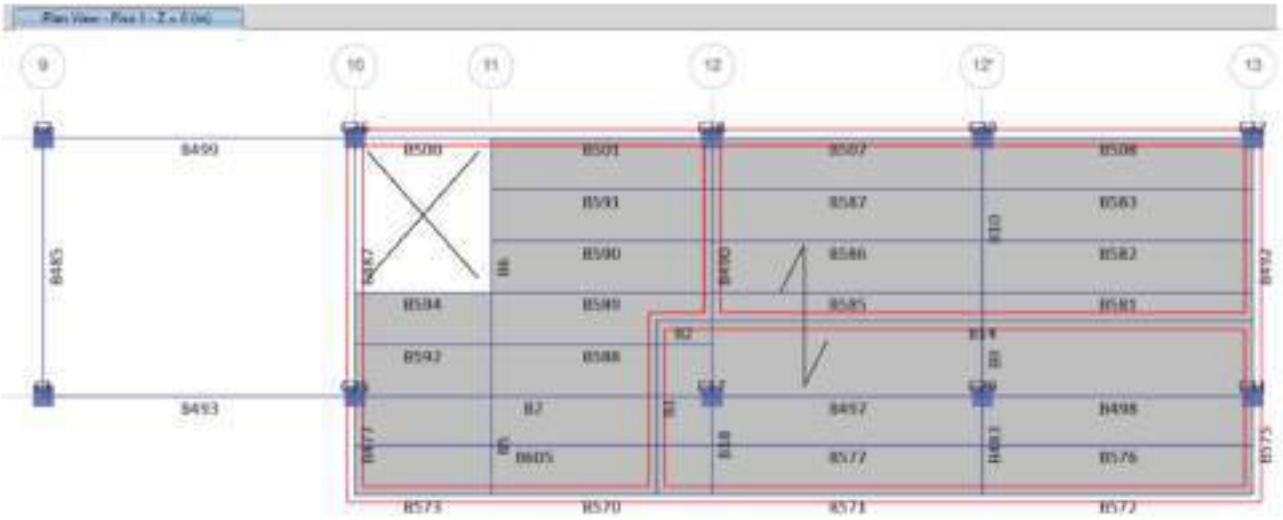


Figura 11. Planta de losa

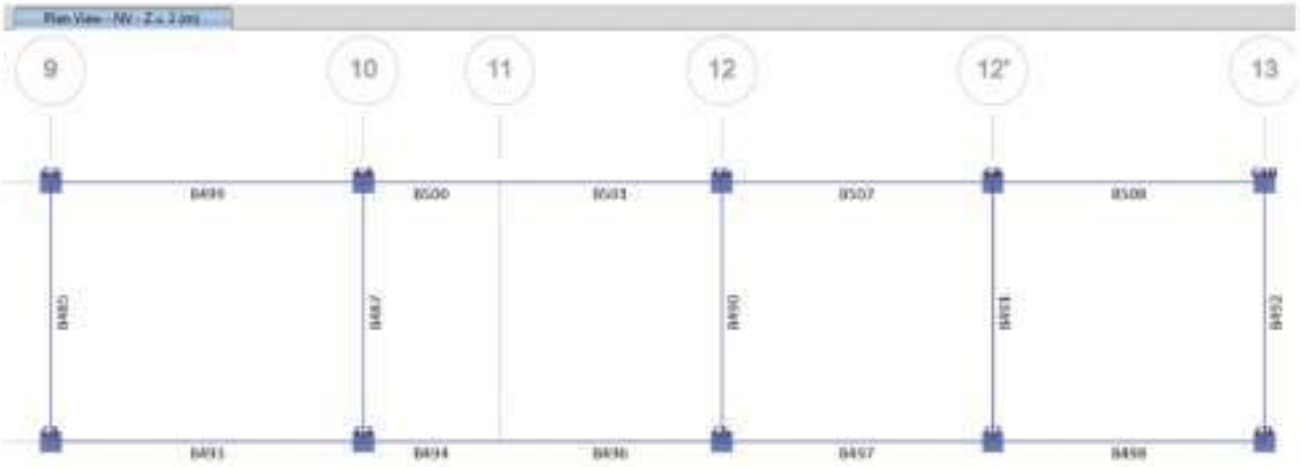


Figura 12. Planta de vigas de cubierta

7.2 ALZADAS

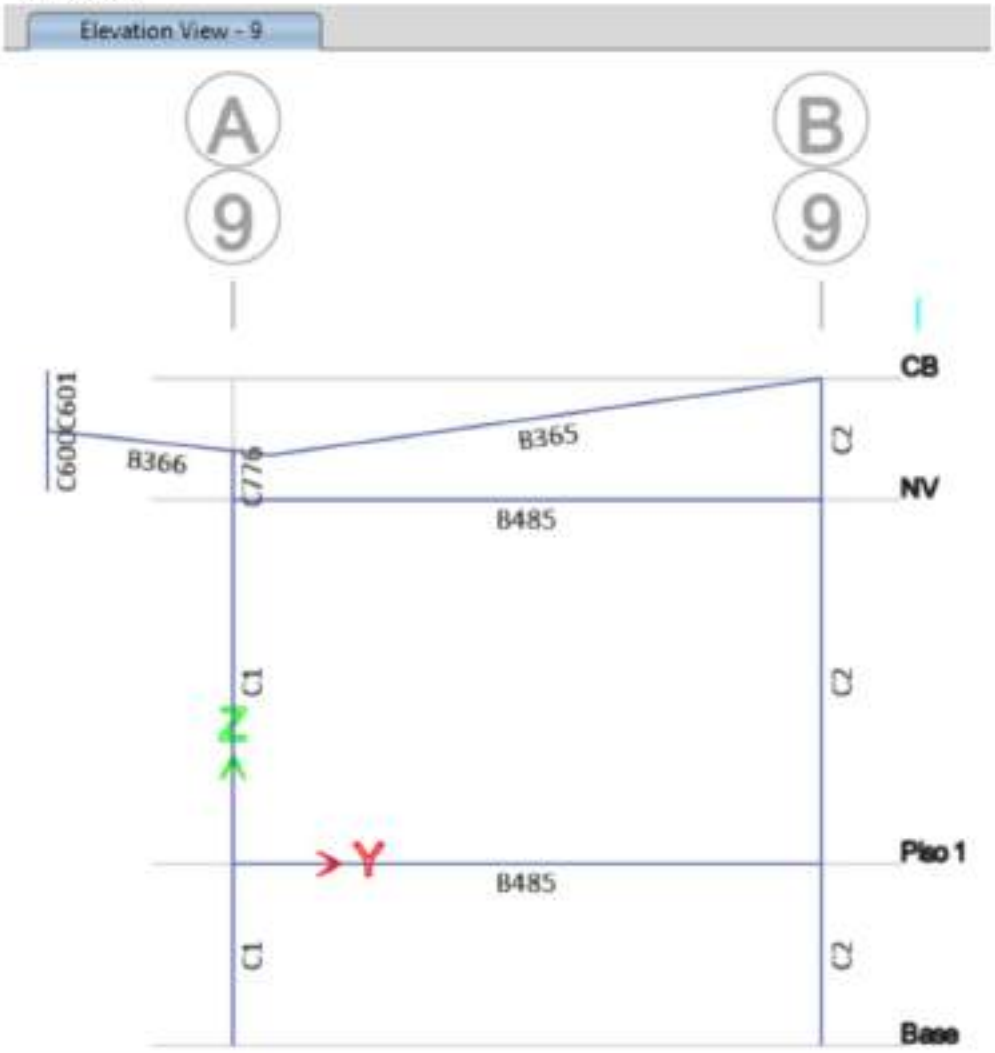


Figura 13. Alzada eje 9

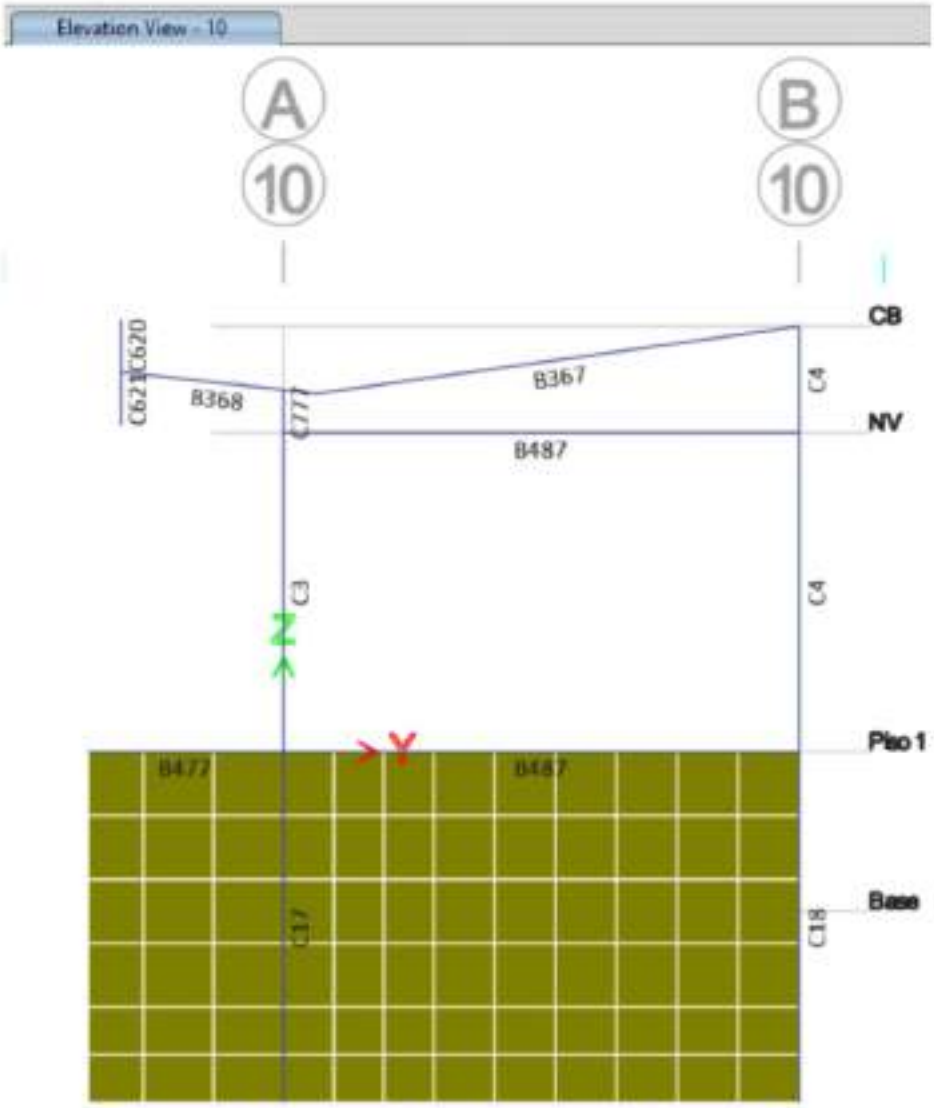


Figura 14. Alzada eje 10

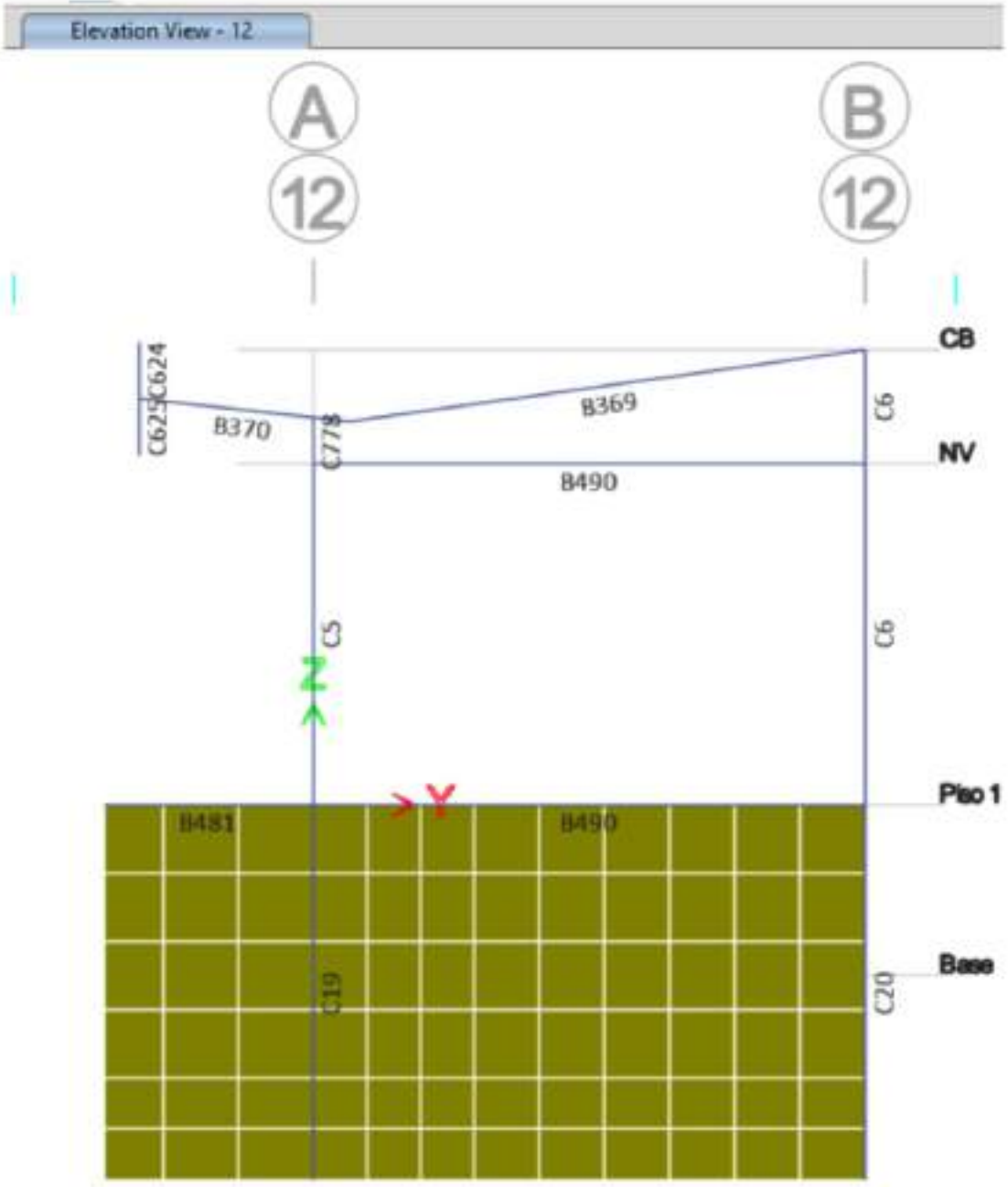


Figura 15. Alzada eje 12

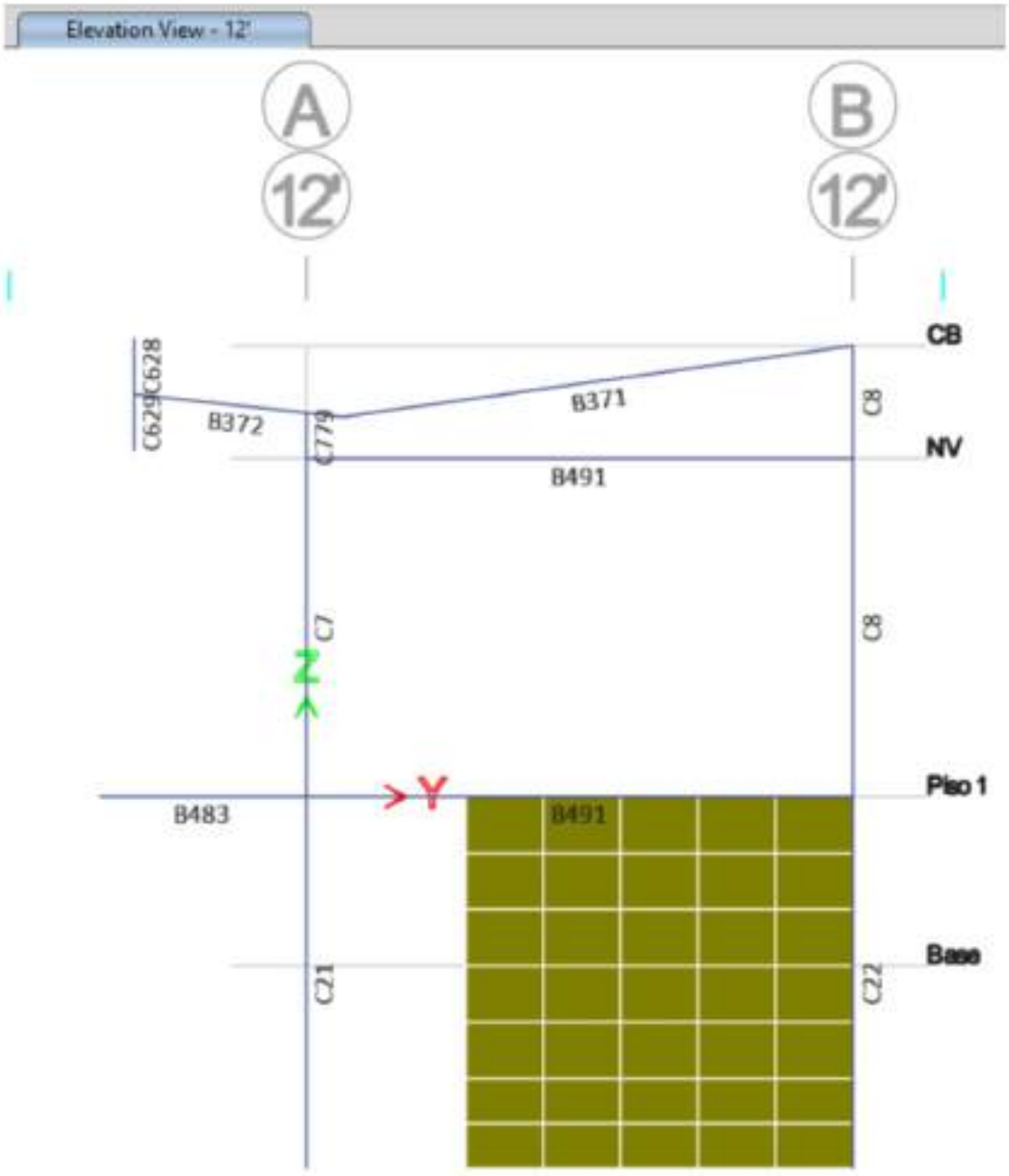


Figura 16. Alzado eje 12'

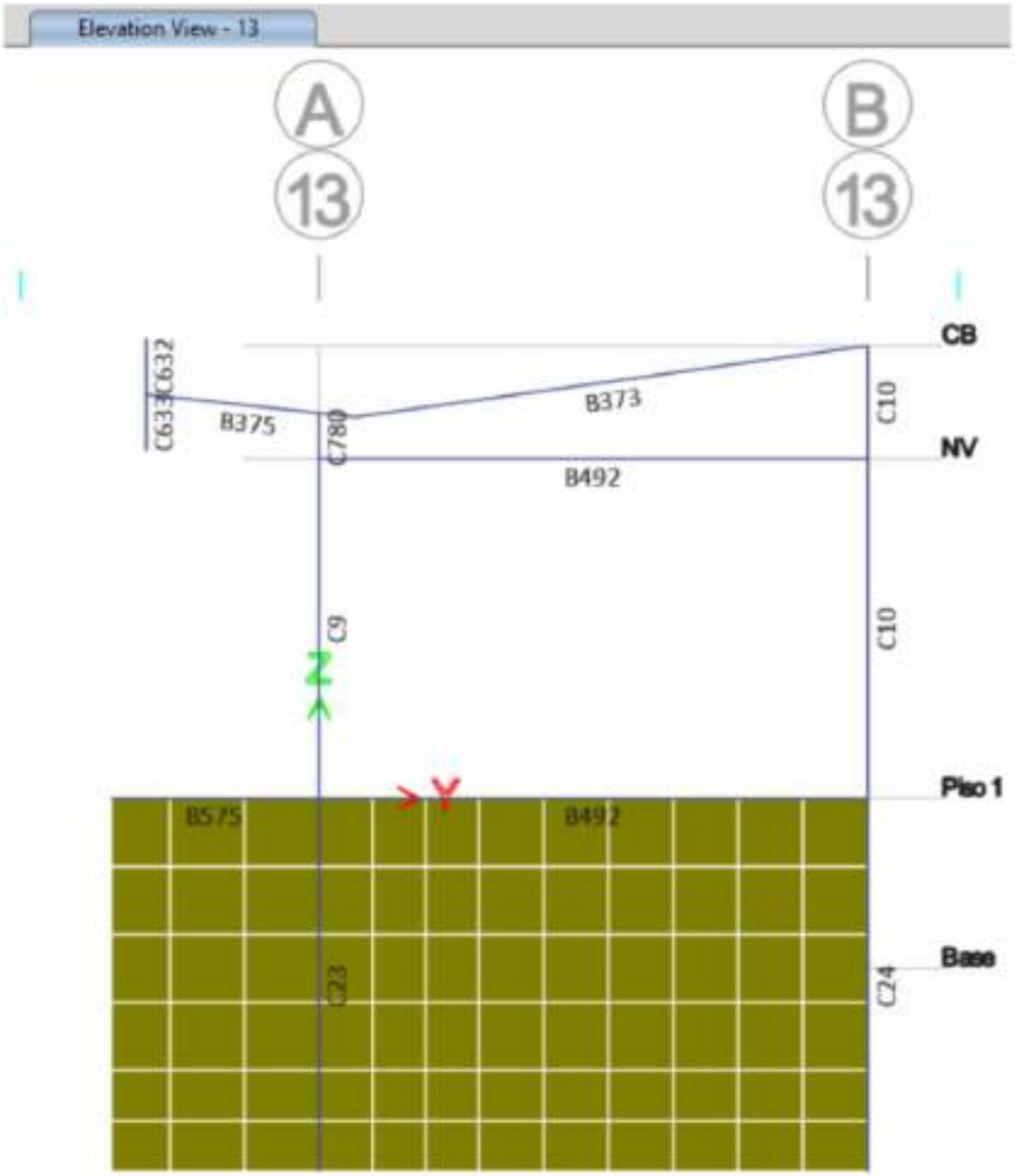


Figura 17. Alzada eje 13

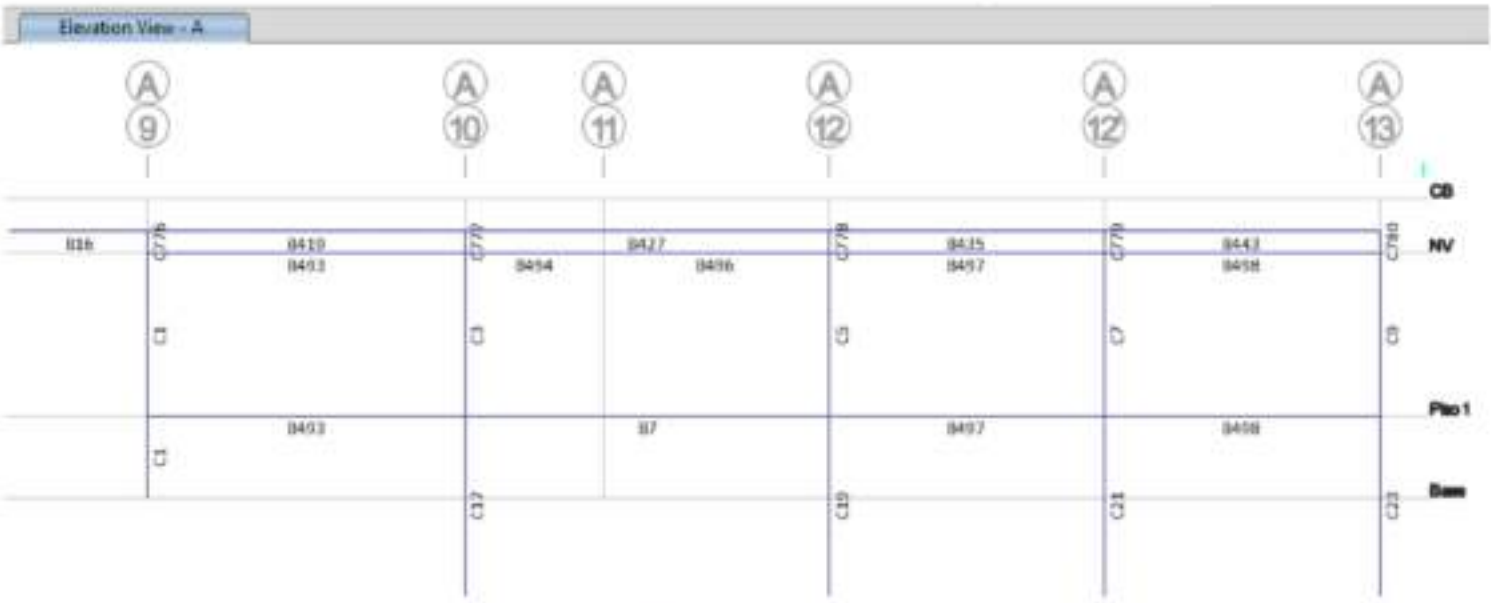


Figura 18. Alzada eje A.

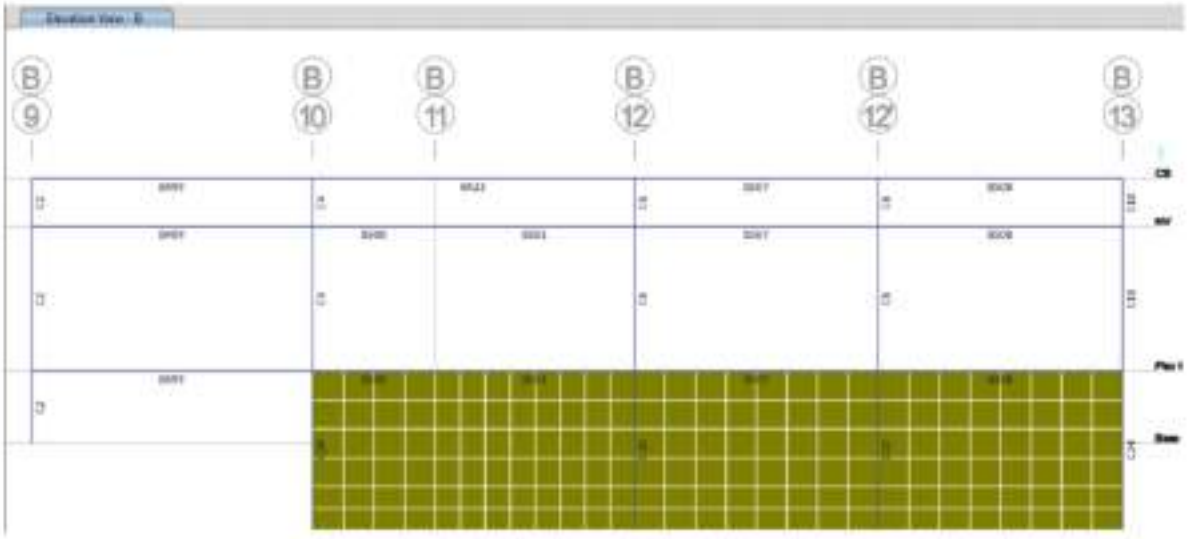


Figura 19. Alzada eje B.

8 ANEXOS

ANEXO A – ANÁLISIS DE VIENTO

ANEXO A - ANÁLISIS DE VIENTO

- Procedimiento para calcular las fuerzas de viento que actuan sobre los elementos de cubierta.

A.1. - Velocidad básica del viento V.

Región	Velocidad del Viento
1	75 Km/h
2	100 Km/h
3	125 Km/h
4	150 Km/h
5	165 Km/h

- Ciudad: Palmira Valle del Cauca (Rozo)
- Región: 3
- Velocidad del Viento: 125 Km/h
- Altura del edificio h_{pro}: 4.0m



NSR-10. Figura B.6.4-1

A.2. - Factor de dirección de viento Kd.

Tipo de Estructura		Kd
Edificios	Sistema principal de resistencia de cargas de viento	0.85
	Componentes y recubrimientos	0.85
Cubiertas abovedadas		0.85
Chimeneas, tanques y estructuras similares cuadradas		0.9
Chimeneas, tanques y estructuras similares hexagonales		0.95
Chimeneas, tanques y estructuras similares redondas		0.95
Avisos sólidos		0.85
Avisos abiertos y Estructura Rectangular		0.85
Torres en Celosia	Triangular, cuadrada y rectangular	0.85
	Todas las otras secciones transversales	0.95

NSR-10. Tabla B.6.5-4

- Componentes y recubrimientos (perlines) : **Kd:** 0.85

A.3. - Factor de Importancia I.

- De acuerdo al grupo de importancia de la edificación según el literal A.2.5.1 de la NSR-10, el edificio se clasifica en la categoria: II

Categoria	Regiones no propensas a huracanes y regiones con posibilidad de huracanes de V= 40-45 m/s	Regiones con posibilidades de huracanes y V> 45 m/s
I	0.87	0.77
II	1	1
III	1.15	1.15
IV	1.15	1.15

NSR-10. Tabla B.6.5-1

- Región no propensa a huracanes: **I:** 1

A.4. - Categorias de Exposición del Terreno.

- Categorias de rugosidad del terreno. *B.6.5.6.2*

- Rugosidad de terreno B : Áreas urbanas y suburbanas, áreas boscosas u otros terrenos con numerosas obstrucciones del tamaño, iguales o mayores al de una vivienda unifamiliar y con poca separación entre ellas.

- Categorias de exposición. *B.6.5.6.3*

- Exposición B : Aplica cuando la Rugosidad de terreno B prevalece por una distancia de al menos 800m o 20 veces la altura del edifcio, la que sea mayor, en la dirección al viento.

A.5.1. - Casos de Carga de Viento de Diseño.

Caso 1:
a. Todos los componentes y recubrimientos.
b. SPRFV en edificios bajos diseñados usando la Fig. B.6.5-7.

Caso 2:
a. Todos los SPRFV de los edificios excepto aquellos edificios bajos diseñados usando la Fig. B.6.5-6.
b. Todos los SPRFV en otras estructuras.

A.5.2. - Coeficiente de exposición de presión por velocidad Kh.

Tabla B.6.5-3

Altura sobre el terreno **Z** (m)	**Exposición**			
	B		**C**	**D**
	Caso 1	Caso 2	Casos 1 y 2	Casos 1 y 2
4.5	0.7	0.57	0.85	1.03
6	0.7	0.62	0.9	1.08
7.5	0.7	0.66	0.94	1.12
9	0.7	0.7	0.98	1.16
12	0.76	0.76	1.04	1.22
15	0.81	0.81	1.09	1.27
18	0.85	0.85	1.13	1.31
20	0.89	0.89	1.17	1.34
24.5	0.93	0.93	1.21	1.38
27.5	0.96	0.96	1.24	1.4
30.5	0.99	0.99	1.26	1.43
36.5	1.04	1.04	1.36	1.52
42.5	1.09	1.09	1.36	1.52
49	1.13	1.13	1.39	1.55
55	1.17	1.17	1.43	1.58
60	1.2	1.2	1.46	1.61
76	1.28	1.28	1.53	1.68
90	1.35	1.35	1.59	1.73
107	1.41	1.41	1.64	1.78
122	1.47	1.47	1.69	1.82
137	1.52	1.52	1.73	1.86
152	1.56	1.56	1.77	1.89

Z : 4.00m • Exposición: B Caso : 1 ⟶ K_h : 0.7

A.5.3. - Coeficiente de exposición de presión por velocidad Kz.

Para $4.0\ m \le Z \le Z_g$ $\quad K_z = 2.01\left(\frac{Z}{Z_g}\right)^{2/\alpha}$

Para $Z < 4.0\ m$ $\quad K_z = 2.01\left(\frac{4.0}{Z_g}\right)^{2/\alpha}$

• Coeficientes **Zg**, **α** y **Zmin**. *Tabla B.6.5-2*

Exposición	α	Zg (m)	Zmin (m)
B	7.0	365.8	9.0
C	9.5	274.3	4.5
D	11.5	213.4	2.0

Z : 4.00m Exposición B
Zmin : 9.00m **α :** 7.00
Zg : 365.8m

Si **h ≤ Zmin**, **Z** debe tomarse como **Zmin**. h ≤ Zmin , Use **Z** : 9.00m

Se obtiene → **Kz :** 0.55

A.6. - Factor Topografico Kzt. *B.6.5.7.2*

- Si la estructura no se encuentra localizada en la mitad superior de una colina o cerca de la cresta de un escarpe. • Factor **Kzt:** 1.00

A.7. - Clasificación de cerramiento del edificio. *B.6.2*

Clasificación del edificio → *Edificio Parcialmente Cerrado*

A.8. - Coeficiente de Presión Interna GCpi. *Fig. B.6.5-2*

	GCpi	GCpi
Edificios Abiertos	0	0
Edificios Parcialmente Cerrados	0.55	-0.55
Edificios Cerrados	0.18	-0.18

→ **GCpi :** 0.55
GCpi : -0.55

A.9. - Presión por velocidad qh.

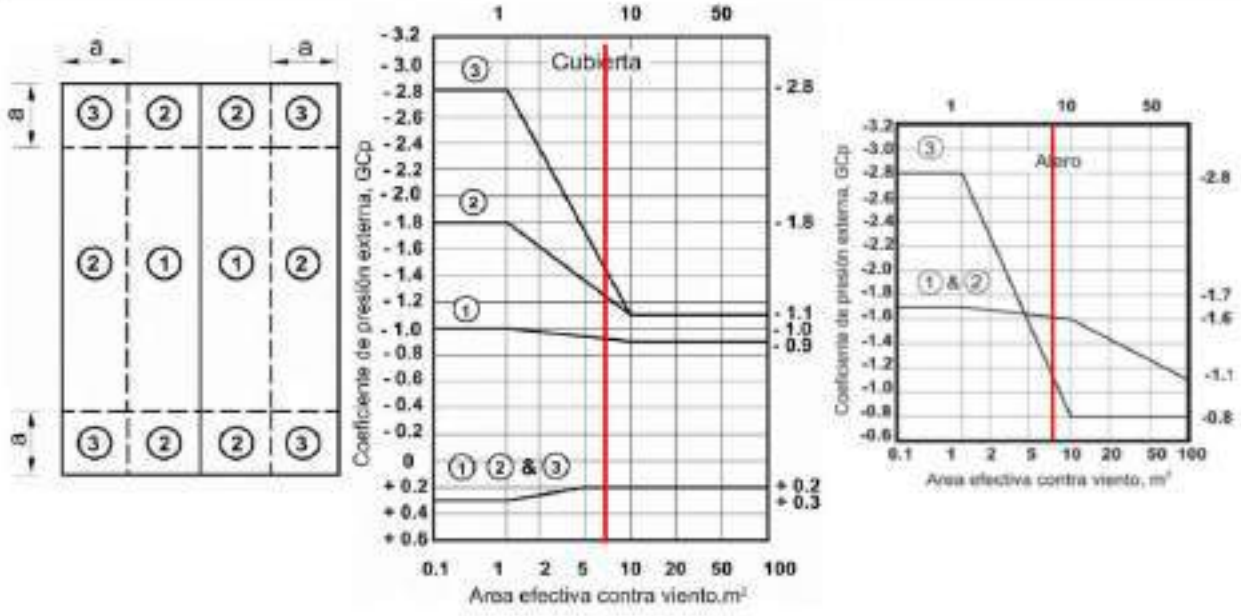
$$q_h = 0.613\,(K_h\,K_{zt}\,K_d\,V^2\,I)$$ **qh :** 446.80 N/m²

A.10. - Coeficiente de Presión Externa GCp.

• Ángulo de inclinación de la cubierta θ: 5.71º *Usar NSR-10 Fig.B.6.5-8B*

• Dimensión Horizontal del edificio perpendicular al viento **B :** 27.64m
• Dimensión Horizontal del edificio paralela al viento **L :** 7.15m
• Separación máxima de correas **S :** 1.50m
• Longitud máxima de correas **Lc :** 5.00m

• Area efectiva del viento por correa **A :** 8.3 m²



a : 10% de la menor dimensión horizontal o 0.4h, la que sea menor. No debe ser menor al 4% de la menor dimensión horizontal o 1.0m. **a** : 1.60m

NSR-10. Figura B.6.5-8B

- Del gráfico de la figura B.6.5-8B obtenemos

Zona	1	2	3	1,2 & 3	Alero
GCp	-0.93	-1.2	-1.4	0.2	-1.7

A.11. - Carga de viento de diseño P.

$$P = q_h\, GC_p - q_h\, (GC_{pi})$$

- Presiones Negativas

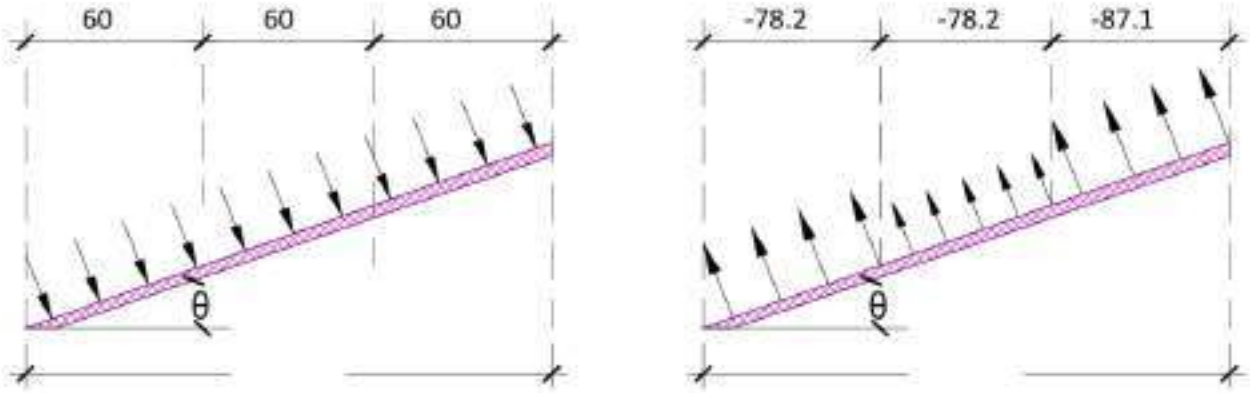
P_1 = -66 Kg /m²
P_2 = -78.2 Kg /m²
P_3 = -87.1 Kg /m²

- Presiones Positivas

P_{min} = 60.0 Kg /m²

- Diagrama de presiones (Zona General)

Unidades: Kg /m²

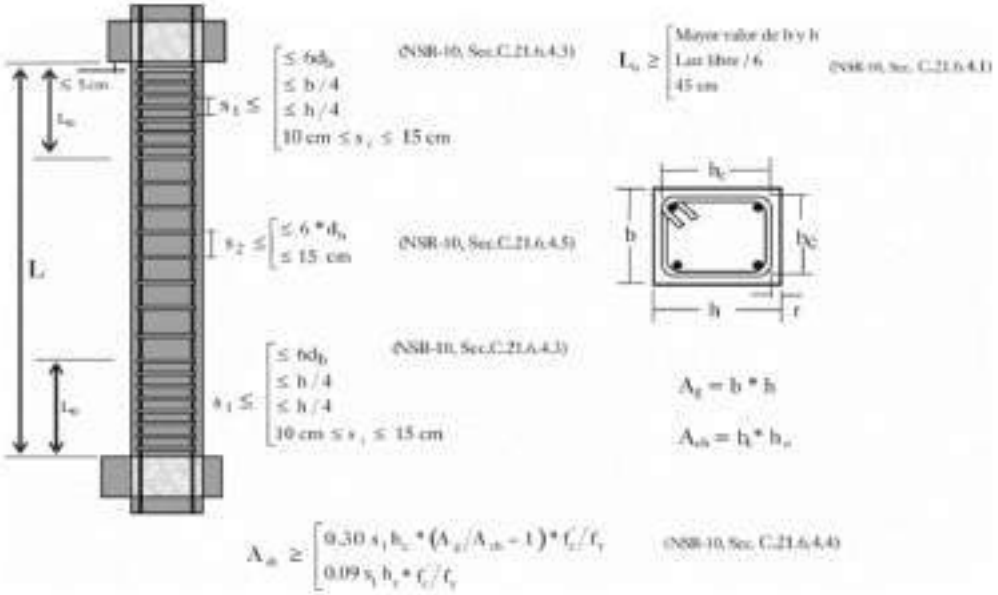


VIENTO

ANEXO B – DISEÑO DE ELEMENTOS ESTRUCTURALES (VIGAS, COLUMNAS, MUROS DE TANQUES Y LOSA)

COLUMNAS DE CONCRETO REFORZADO - REFUERZO TRANSVERSAL C.21

Requisitos del refuerzo transversal para columnas rectangulares en pórticos dúctiles de concreto con demanda especial de ductilidad, DES.



C.21.6.4.4 — Debe proporcionarse refuerzo transversal en las cantidades que se especifican de (a) o (b), a menos que en 21.6.5 se exija mayor cantidad.

(a) La cuantía volumétrica de refuerzo en espiral o de estribos cerrados de confinamiento circulares, ps , no debe ser menor que la requerida por la ecuación (C.21-6):

$$\rho_s = 0.12\frac{f'_c}{F_y} \qquad \text{C.21-6}$$

y no debe ser menor que la requerida por la ecuación (C.10-5).

(b) El área total de la sección transversal del refuerzo de estribos cerrados de confinamiento rectangulares, Ash , no debe ser menor que la requerida por las ecuaciones (C.21-7) y (C.21-8).

$$A_{sh} = 0.3\frac{sb_c f'_c}{f_{yt}}\left[\left(\frac{A_g}{A_{ch}}\right) - 1\right] \qquad \text{C.21-7}$$

$$A_{sh} = 0.09\frac{sb_c f'_c}{f_{yt}} \qquad \text{C.21-8}$$

$$\rho_s = 0.45\left(\frac{A_g}{A_{ch}} - 1\right)\frac{f'_c}{f_{yt}}$$

Donde:

S = Separación de los estribos

bc = Dimensión transversal del nucleo del elemento medido entre los bordes externos del refuerzo transversal con área Ash, mm

Ag = Área bruta de la sección de concreto, mm^2

Ach = Área de la sección transversal de un elemento estructural, medida entre los bordes exteriores del refuerzo transversal, mm^2

Columna	A_{sh} (mm^2) - C.21-7	A_{sh} (mm^2) - C.21-8	Ramas	$A_{suministrado}$ (mm^2)
COL 40x40cm	360	192	3ø1/2"@10cm	387

Table: Concrete Column Design Summary - ACI 318-08, Part 1 of 3

Table: Concrete Column Design Summary - ACI 318-08, Part 1 of 3

Story	Label	UniqueName	DesignSect	Station	DesignOpt	Status	PMMRatio	PMMCombo
Unitless	Unitless	Unitless	Unitless	mm	Unitless	Unitless	Unitless	Unitless
NV	C1	185	COL 40x40cm	0	Design	No Message		B.2.4-7a
NV	C1	185	COL 40x40cm	1300	Design	No Message		B.2.4-5
NV	C1	185	COL 40x40cm	2600	Design	No Message		B.2.4-7b
NV	C2	187	COL 40x40cm	0	Design	No Message		B.2.4-5
NV	C2	187	COL 40x40cm	1300	Design	No Message		B.2.4-7b
NV	C2	187	COL 40x40cm	2600	Design	No Message		B.2.4-6b
NV	C3	1	COL 40x40cm	0	Design	No Message		B.2.4-7a
NV	C3	1	COL 40x40cm	1300	Design	No Message		B.2.4-6b
NV	C3	1	COL 40x40cm	2600	Design	No Message		B.2.4-7a
NV	C4	2	COL 40x40cm	0	Design	No Message		B.2.4-7a
NV	C4	2	COL 40x40cm	1300	Design	No Message		B.2.4-7a
NV	C4	2	COL 40x40cm	2600	Design	No Message		B.2.4-7a
NV	C5	3	COL 40x40cm	0	Design	No Message		B.2.4-7b
NV	C5	3	COL 40x40cm	1300	Design	No Message		B.2.4-7a
NV	C5	3	COL 40x40cm	2600	Design	No Message		B.2.4-7b
NV	C6	4	COL 40x40cm	0	Design	No Message		B.2.4-7b
NV	C6	4	COL 40x40cm	1300	Design	No Message		B.2.4-7b
NV	C6	4	COL 40x40cm	2600	Design	No Message		B.2.4-7b
NV	C7	5	COL 40x40cm	0	Design	No Message		B.2.4-7a
NV	C7	5	COL 40x40cm	1300	Design	No Message		B.2.4-7b
NV	C7	5	COL 40x40cm	2600	Design	No Message		B.2.4-7b
NV	C8	6	COL 40x40cm	0	Design	No Message		B.2.4-7b
NV	C8	6	COL 40x40cm	1300	Design	No Message		B.2.4-7b
NV	C8	6	COL 40x40cm	2600	Design	No Message		B.2.4-7a
NV	C9	7	COL 40x40cm	0	Design	No Message		B.2.4-5
NV	C9	7	COL 40x40cm	1300	Design	No Message		B.2.4-5
NV	C9	7	COL 40x40cm	2600	Design	No Message		B.2.4-5
NV	C10	8	COL 40x40cm	0	Design	No Message		B.2.4-5
NV	C10	8	COL 40x40cm	1300	Design	No Message		B.2.4-7b

Table: Concrete Column Design Summary - ACI 318-08, Part 1 of 3

Story	Label	UniqueName	DesignSect	Station	DesignOpt	Status	PMMRatio	PMMCombo
Unitless	Unitless	Unitless	Unitless	mm	Unitless	Unitless	Unitless	Unitless
NV	C10	8	COL 40x40cm	2600	Design	No Message		B.2.4-5b
Piso 1	C1	184	COL 40x40cm	0	Design	No Message		B.2.4-5
Piso 1	C1	184	COL 40x40cm	525	Design	No Message		B.2.4-5b
Piso 1	C1	184	COL 40x40cm	1050	Design	No Message		B.2.4-7b
Piso 1	C2	186	COL 40x40cm	0	Design	No Message		B.2.4-7b
Piso 1	C2	186	COL 40x40cm	525	Design	No Message		B.2.4-5
Piso 1	C2	186	COL 40x40cm	1050	Design	No Message		B.2.4-7a
Piso 1	C17	9	COL 40x40cm	0	Design	No Message		B.2.4-5b
Piso 1	C17	9	COL 40x40cm	450	Design	No Message		B.2.4-5b
Piso 1	C17	9	COL 40x40cm	450	Design	No Message		B.2.4-2
Piso 1	C17	9	COL 40x40cm	900	Design	No Message		B.2.4-2
Piso 1	C17	9	COL 40x40cm	900	Design	No Message		B.2.4-2
Piso 1	C17	9	COL 40x40cm	1425	Design	No Message		B.2.4-2
Piso 1	C17	9	COL 40x40cm	1500	Design	No Message		B.2.4-2
Piso 1	C17	9	COL 40x40cm	1500	Design	No Message		B.2.4-2
Piso 1	C17	9	COL 40x40cm	2100	Design	No Message		B.2.4-5
Piso 1	C17	9	COL 40x40cm	2100	Design	No Message		B.2.4-2
Piso 1	C17	9	COL 40x40cm	2700	Design	No Message		B.2.4-5
Piso 1	C17	9	COL 40x40cm	2700	Design	No Message		B.2.4-5
Piso 1	C17	9	COL 40x40cm	2850	Design	No Message		B.2.4-7a
Piso 1	C18	10	COL 40x40cm	0	Design	No Message		B.2.4-5
Piso 1	C18	10	COL 40x40cm	450	Design	No Message		B.2.4-5b
Piso 1	C18	10	COL 40x40cm	450	Design	No Message		B.2.4-5
Piso 1	C18	10	COL 40x40cm	900	Design	No Message		B.2.4-5
Piso 1	C18	10	COL 40x40cm	900	Design	No Message		B.2.4-5
Piso 1	C18	10	COL 40x40cm	1425	Design	No Message		B.2.4-5
Piso 1	C18	10	COL 40x40cm	1500	Design	No Message		B.2.4-5
Piso 1	C18	10	COL 40x40cm	1500	Design	No Message		B.2.4-5
Piso 1	C18	10	COL 40x40cm	2100	Design	No Message		B.2.4-7a
Piso 1	C18	10	COL 40x40cm	2100	Design	No Message		B.2.4-5b

Table: Concrete Column Design Summary - ACI 318-08, Part 1 of 3

Story	Label	UniqueName	DesignSect	Station	DesignOpt	Status	PMMRatio	PMMCombo
Unitless	Unitless	Unitless	Unitless	mm	Unitless	Unitless	Unitless	Unitless
Piso 1	C18	10	COL 40x40cm	2700	Design	No Message		B.2.4-7a
Piso 1	C18	10	COL 40x40cm	2700	Design	No Message		B.2.4-7a
Piso 1	C18	10	COL 40x40cm	2850	Design	No Message		B.2.4-7a
Piso 1	C19	11	COL 40x40cm	0	Design	No Message		B.2.4-5b
Piso 1	C19	11	COL 40x40cm	450	Design	No Message		B.2.4-2
Piso 1	C19	11	COL 40x40cm	450	Design	No Message		B.2.4-2
Piso 1	C19	11	COL 40x40cm	900	Design	No Message		B.2.4-2
Piso 1	C19	11	COL 40x40cm	900	Design	No Message		B.2.4-2
Piso 1	C19	11	COL 40x40cm	1425	Design	No Message		B.2.4-2
Piso 1	C19	11	COL 40x40cm	1500	Design	No Message		B.2.4-2
Piso 1	C19	11	COL 40x40cm	1500	Design	No Message		B.2.4-2
Piso 1	C19	11	COL 40x40cm	2100	Design	No Message		B.2.4-2
Piso 1	C19	11	COL 40x40cm	2100	Design	No Message		B.2.4-2
Piso 1	C19	11	COL 40x40cm	2700	Design	No Message		B.2.4-5b
Piso 1	C19	11	COL 40x40cm	2700	Design	No Message		B.2.4-5b
Piso 1	C19	11	COL 40x40cm	2850	Design	No Message		B.2.4-7b
Piso 1	C20	12	COL 40x40cm	0	Design	No Message		B.2.4-5b
Piso 1	C20	12	COL 40x40cm	450	Design	No Message		B.2.4-7b
Piso 1	C20	12	COL 40x40cm	450	Design	No Message		B.2.4-5b
Piso 1	C20	12	COL 40x40cm	900	Design	No Message		B.2.4-5b
Piso 1	C20	12	COL 40x40cm	900	Design	No Message		B.2.4-5b
Piso 1	C20	12	COL 40x40cm	1425	Design	No Message		B.2.4-5b
Piso 1	C20	12	COL 40x40cm	1500	Design	No Message		B.2.4-5b
Piso 1	C20	12	COL 40x40cm	1500	Design	No Message		B.2.4-5b
Piso 1	C20	12	COL 40x40cm	2100	Design	No Message		B.2.4-5b
Piso 1	C20	12	COL 40x40cm	2100	Design	No Message		B.2.4-5
Piso 1	C20	12	COL 40x40cm	2700	Design	No Message		B.2.4-5
Piso 1	C20	12	COL 40x40cm	2700	Design	No Message		B.2.4-7b
Piso 1	C20	12	COL 40x40cm	2850	Design	No Message		B.2.4-7b
Piso 1	C21	13	COL 40x40cm	0	Design	No Message		B.2.4-2

Table: Concrete Column Design Summary - ACI 318-08, Part 1 of 3

Story	Label	UniqueName	DesignSect	Station	DesignOpt	Status	PMMRatio	PMMCombo
Unitless	Unitless	Unitless	Unitless	mm	Unitless	Unitless	Unitless	Unitless
Piso 1	C21	13	COL 40x40cm	1425	Design	No Message		B.2.4-2
Piso 1	C21	13	COL 40x40cm	2850	Design	No Message		B.2.4-7b
Piso 1	C22	14	COL 40x40cm	0	Design	No Message		B.2.4-5
Piso 1	C22	14	COL 40x40cm	400	Design	No Message		B.2.4-7a
Piso 1	C22	14	COL 40x40cm	400	Design	No Message		B.2.4-5
Piso 1	C22	14	COL 40x40cm	450	Design	No Message		B.2.4-5
Piso 1	C22	14	COL 40x40cm	450	Design	No Message		B.2.4-5b
Piso 1	C22	14	COL 40x40cm	800	Design	No Message		B.2.4-5b
Piso 1	C22	14	COL 40x40cm	800	Design	No Message		B.2.4-7a
Piso 1	C22	14	COL 40x40cm	900	Design	No Message		B.2.4-5
Piso 1	C22	14	COL 40x40cm	900	Design	No Message		B.2.4-5b
Piso 1	C22	14	COL 40x40cm	1300	Design	No Message		B.2.4-5b
Piso 1	C22	14	COL 40x40cm	1300	Design	No Message		B.2.4-5b
Piso 1	C22	14	COL 40x40cm	1425	Design	No Message		B.2.4-7a
Piso 1	C22	14	COL 40x40cm	1500	Design	No Message		B.2.4-7a
Piso 1	C22	14	COL 40x40cm	1500	Design	No Message		B.2.4-5
Piso 1	C22	14	COL 40x40cm	1800	Design	No Message		B.2.4-5b
Piso 1	C22	14	COL 40x40cm	1800	Design	No Message		B.2.4-5
Piso 1	C22	14	COL 40x40cm	2100	Design	No Message		B.2.4-5
Piso 1	C22	14	COL 40x40cm	2100	Design	No Message		B.2.4-5b
Piso 1	C22	14	COL 40x40cm	2300	Design	No Message		B.2.4-5b
Piso 1	C22	14	COL 40x40cm	2300	Design	No Message		B.2.4-5b
Piso 1	C22	14	COL 40x40cm	2700	Design	No Message		B.2.4-5b
Piso 1	C22	14	COL 40x40cm	2700	Design	No Message		B.2.4-7a
Piso 1	C22	14	COL 40x40cm	2800	Design	No Message		B.2.4-7a
Piso 1	C22	14	COL 40x40cm	2800	Design	No Message		B.2.4-7a
Piso 1	C22	14	COL 40x40cm	2850	Design	No Message		B.2.4-7b
Piso 1	C23	15	COL 40x40cm	0	Design	No Message		B.2.4-5
Piso 1	C23	15	COL 40x40cm	450	Design	No Message		B.2.4-5
Piso 1	C23	15	COL 40x40cm	450	Design	No Message		B.2.4-5

Table: Concrete Column Design Summary - ACI 318-08, Part 1 of 3

Story	Label	UniqueName	DesignSect	Station	DesignOpt	Status	PMMRatio	PMMCombo
Unitless	Unitless	Unitless	Unitless	mm	Unitless	Unitless	Unitless	Unitless
Piso 1	C23	15	COL 40x40cm	900	Design	No Message		B.2.4-5
Piso 1	C23	15	COL 40x40cm	900	Design	No Message		B.2.4-5
Piso 1	C23	15	COL 40x40cm	1425	Design	No Message		B.2.4-5
Piso 1	C23	15	COL 40x40cm	1500	Design	No Message		B.2.4-5
Piso 1	C23	15	COL 40x40cm	1500	Design	No Message		B.2.4-5
Piso 1	C23	15	COL 40x40cm	2100	Design	No Message		B.2.4-5b
Piso 1	C23	15	COL 40x40cm	2100	Design	No Message		B.2.4-5b
Piso 1	C23	15	COL 40x40cm	2700	Design	No Message		B.2.4-5b
Piso 1	C23	15	COL 40x40cm	2700	Design	No Message		B.2.4-5b
Piso 1	C23	15	COL 40x40cm	2850	Design	No Message		B.2.4-7b
Piso 1	C24	16	COL 40x40cm	0	Design	No Message		B.2.4-5
Piso 1	C24	16	COL 40x40cm	450	Design	No Message		B.2.4-5b
Piso 1	C24	16	COL 40x40cm	450	Design	No Message		B.2.4-7b
Piso 1	C24	16	COL 40x40cm	900	Design	No Message		B.2.4-7a
Piso 1	C24	16	COL 40x40cm	900	Design	No Message		B.2.4-7a
Piso 1	C24	16	COL 40x40cm	1425	Design	No Message		B.2.4-7b
Piso 1	C24	16	COL 40x40cm	1500	Design	No Message		B.2.4-7b
Piso 1	C24	16	COL 40x40cm	1500	Design	No Message		B.2.4-5
Piso 1	C24	16	COL 40x40cm	2100	Design	No Message		B.2.4-5
Piso 1	C24	16	COL 40x40cm	2100	Design	No Message		B.2.4-7b
Piso 1	C24	16	COL 40x40cm	2700	Design	No Message		B.2.4-5b
Piso 1	C24	16	COL 40x40cm	2700	Design	No Message		B.2.4-5b
Piso 1	C24	16	COL 40x40cm	2850	Design	No Message		B.2.4-7b

Table: Concrete Column Design Summary - ACI 318-08, Part 2 of 3

Table: Concrete Column Design Summary - ACI 318-08, Part 2 of 3

Story	Label	UniqueName	Station	AsMin	As	Mid Bar As	CornerBarAs	VMajCombo
Unitless	Unitless	Unitless	mm	mm²	mm²	mm²	mm²	Unitless
NV	C1	185	0	1600	1600	200	200	B.2.4-7b
NV	C1	185	1300	1600	1600	200	200	B.2.4-7b
NV	C1	185	2600	1600	1600	200	200	B.2.4-7b
NV	C2	187	0	1600	1600	200	200	B.2.4-7b
NV	C2	187	1300	1600	1600	200	200	B.2.4-7b
NV	C2	187	2600	1600	1600	200	200	B.2.4-7b

Table: Concrete Column Design Summary - ACI 318-08, Part 2 of 3

Story	Label	UniqueName	Station	AsMin	As	Mid Bar As	CornerBarAs	VMajCombo
Unitless	Unitless	Unitless	mm	mm²	mm²	mm²	mm²	Unitless
NV	C3	1	0	1600	1600	200	200	B.2.4-7b
NV	C3	1	1300	1600	1600	200	200	B.2.4-7b
NV	C3	1	2600	1600	1600	200	200	B.2.4-7b
NV	C4	2	0	1600	1600	200	200	B.2.4-7b
NV	C4	2	1300	1600	1600	200	200	B.2.4-7b
NV	C4	2	2600	1600	1600	200	200	B.2.4-7b
NV	C5	3	0	1600	1600	200	200	B.2.4-7b
NV	C5	3	1300	1600	1600	200	200	B.2.4-7b
NV	C5	3	2600	1600	1600	200	200	B.2.4-7b
NV	C6	4	0	1600	1600	200	200	B.2.4-7b
NV	C6	4	1300	1600	1600	200	200	B.2.4-7b
NV	C6	4	2600	1600	1600	200	200	B.2.4-7b
NV	C7	5	0	1600	1600	200	200	B.2.4-7b
NV	C7	5	1300	1600	1600	200	200	B.2.4-7b
NV	C7	5	2600	1600	1600	200	200	B.2.4-7b
NV	C8	6	0	1600	1600	200	200	B.2.4-7b
NV	C8	6	1300	1600	1600	200	200	B.2.4-7b
NV	C8	6	2600	1600	1600	200	200	B.2.4-7b
NV	C9	7	0	1600	1600	200	200	B.2.4-7b
NV	C9	7	1300	1600	1600	200	200	B.2.4-7b
NV	C9	7	2600	1600	1600	200	200	B.2.4-7b
NV	C10	8	0	1600	1600	200	200	B.2.4-7b
NV	C10	8	1300	1600	1600	200	200	B.2.4-7b
NV	C10	8	2600	1600	1600	200	200	B.2.4-7b
Piso 1	C1	184	0	1600	1600	200	200	B.2.4-7b
Piso 1	C1	184	525	1600	1600	200	200	B.2.4-7b
Piso 1	C1	184	1050	1600	1600	200	200	B.2.4-7b
Piso 1	C2	186	0	1600	1600	200	200	B.2.4-7b
Piso 1	C2	186	525	1600	1600	200	200	B.2.4-7b
Piso 1	C2	186	1050	1600	1600	200	200	B.2.4-7b
Piso 1	C17	9	0	1600	1600	200	200	B.2.4-7b
Piso 1	C17	9	450	1600	1600	200	200	B.2.4-7b
Piso 1	C17	9	450	1600	1600	200	200	B.2.4-7b
Piso 1	C17	9	900	1600	1600	200	200	B.2.4-7b
Piso 1	C17	9	900	1600	1600	200	200	B.2.4-7b
Piso 1	C17	9	1425	1600	1600	200	200	B.2.4-7b
Piso 1	C17	9	1500	1600	1600	200	200	B.2.4-7b
Piso 1	C17	9	1500	1600	1600	200	200	B.2.4-7b
Piso 1	C17	9	2100	1600	1600	200	200	B.2.4-7b
Piso 1	C17	9	2100	1600	1600	200	200	B.2.4-7b
Piso 1	C17	9	2700	1600	1600	200	200	B.2.4-7b
Piso 1	C17	9	2700	1600	1600	200	200	B.2.4-7b
Piso 1	C17	9	2850	1600	1600	200	200	B.2.4-7b
Piso 1	C18	10	0	1600	1600	200	200	B.2.4-7b
Piso 1	C18	10	450	1600	1600	200	200	B.2.4-7b
Piso 1	C18	10	450	1600	1600	200	200	B.2.4-7b
Piso 1	C18	10	900	1600	1600	200	200	B.2.4-7b
Piso 1	C18	10	900	1600	1600	200	200	B.2.4-7b
Piso 1	C18	10	1425	1600	1600	200	200	B.2.4-7b
Piso 1	C18	10	1500	1600	1600	200	200	B.2.4-7b
Piso 1	C18	10	1500	1600	1600	200	200	B.2.4-7b
Piso 1	C18	10	2100	1600	1600	200	200	B.2.4-7b
Piso 1	C18	10	2100	1600	1600	200	200	B.2.4-7b
Piso 1	C18	10	2700	1600	1600	200	200	B.2.4-7b

Table: Concrete Column Design Summary - ACI 318-08, Part 2 of 3

Story	Label	UniqueName	Station	AsMin	As	Mid Bar As	CornerBarAs	VMajCombo
Unitless	Unitless	Unitless	mm	mm²	mm²	mm²	mm²	Unitless
Piso 1	C18	10	2700	1600	1600	200	200	B.2.4-7b
Piso 1	C18	10	2850	1600	1600	200	200	B.2.4-7b
Piso 1	C19	11	0	1600	1600	200	200	B.2.4-7b
Piso 1	C19	11	450	1600	1600	200	200	B.2.4-7b
Piso 1	C19	11	450	1600	1600	200	200	B.2.4-7b
Piso 1	C19	11	900	1600	1600	200	200	B.2.4-7b
Piso 1	C19	11	900	1600	1600	200	200	B.2.4-7b
Piso 1	C19	11	1425	1600	1600	200	200	B.2.4-7b
Piso 1	C19	11	1500	1600	1600	200	200	B.2.4-7b
Piso 1	C19	11	1500	1600	1600	200	200	B.2.4-7b
Piso 1	C19	11	2100	1600	1600	200	200	B.2.4-7b
Piso 1	C19	11	2100	1600	1600	200	200	B.2.4-7b
Piso 1	C19	11	2700	1600	1600	200	200	B.2.4-7b
Piso 1	C19	11	2700	1600	1600	200	200	B.2.4-7b
Piso 1	C19	11	2850	1600	1600	200	200	B.2.4-7b
Piso 1	C20	12	0	1600	1600	200	200	B.2.4-7b
Piso 1	C20	12	450	1600	1600	200	200	B.2.4-7b
Piso 1	C20	12	450	1600	1600	200	200	B.2.4-7b
Piso 1	C20	12	900	1600	1600	200	200	B.2.4-7b
Piso 1	C20	12	900	1600	1600	200	200	B.2.4-7b
Piso 1	C20	12	1425	1600	1600	200	200	B.2.4-7b
Piso 1	C20	12	1500	1600	1600	200	200	B.2.4-7b
Piso 1	C20	12	1500	1600	1600	200	200	B.2.4-7b
Piso 1	C20	12	2100	1600	1600	200	200	B.2.4-7b
Piso 1	C20	12	2100	1600	1600	200	200	B.2.4-7b
Piso 1	C20	12	2700	1600	1600	200	200	B.2.4-7b
Piso 1	C20	12	2700	1600	1600	200	200	B.2.4-7b
Piso 1	C20	12	2850	1600	1600	200	200	B.2.4-7b
Piso 1	C21	13	0	1600	1600	200	200	B.2.4-7b
Piso 1	C21	13	1425	1600	1600	200	200	B.2.4-7b
Piso 1	C21	13	2850	1600	1600	200	200	B.2.4-7b
Piso 1	C22	14	0	1600	1600	200	200	B.2.4-7b
Piso 1	C22	14	400	1600	1600	200	200	B.2.4-7b
Piso 1	C22	14	400	1600	1600	200	200	B.2.4-7b
Piso 1	C22	14	450	1600	1600	200	200	B.2.4-7b
Piso 1	C22	14	450	1600	1600	200	200	B.2.4-7b
Piso 1	C22	14	800	1600	1600	200	200	B.2.4-7b
Piso 1	C22	14	800	1600	1600	200	200	B.2.4-7b
Piso 1	C22	14	900	1600	1600	200	200	B.2.4-7b
Piso 1	C22	14	900	1600	1600	200	200	B.2.4-7b
Piso 1	C22	14	1300	1600	1600	200	200	B.2.4-7b
Piso 1	C22	14	1300	1600	1600	200	200	B.2.4-7b
Piso 1	C22	14	1425	1600	1600	200	200	B.2.4-7b
Piso 1	C22	14	1500	1600	1600	200	200	B.2.4-7b
Piso 1	C22	14	1500	1600	1600	200	200	B.2.4-7b
Piso 1	C22	14	1800	1600	1600	200	200	B.2.4-7b
Piso 1	C22	14	1800	1600	1600	200	200	B.2.4-7b
Piso 1	C22	14	2100	1600	1600	200	200	B.2.4-7b
Piso 1	C22	14	2100	1600	1600	200	200	B.2.4-7b
Piso 1	C22	14	2300	1600	1600	200	200	B.2.4-7b
Piso 1	C22	14	2300	1600	1600	200	200	B.2.4-7b
Piso 1	C22	14	2700	1600	1600	200	200	B.2.4-7b
Piso 1	C22	14	2700	1600	1600	200	200	B.2.4-7b
Piso 1	C22	14	2800	1600	1600	200	200	B.2.4-7b

Table: Concrete Column Design Summary - ACI 318-08, Part 2 of 3

Story	Label	UniqueName	Station	AsMin	As	Mid Bar As	CornerBarAs	VMajCombo
Unitless	Unitless	Unitless	mm	mm²	mm²	mm²	mm²	Unitless
Piso 1	C22	14	2800	1600	1600	200	200	B.2.4-7b
Piso 1	C22	14	2850	1600	1600	200	200	B.2.4-7b
Piso 1	C23	15	0	1600	1600	200	200	B.2.4-7b
Piso 1	C23	15	450	1600	1600	200	200	B.2.4-7b
Piso 1	C23	15	450	1600	1600	200	200	B.2.4-7b
Piso 1	C23	15	900	1600	1600	200	200	B.2.4-7b
Piso 1	C23	15	900	1600	1600	200	200	B.2.4-7b
Piso 1	C23	15	1425	1600	1600	200	200	B.2.4-7b
Piso 1	C23	15	1500	1600	1600	200	200	B.2.4-7b
Piso 1	C23	15	1500	1600	1600	200	200	B.2.4-7b
Piso 1	C23	15	2100	1600	1600	200	200	B.2.4-7b
Piso 1	C23	15	2100	1600	1600	200	200	B.2.4-7b
Piso 1	C23	15	2700	1600	1600	200	200	B.2.4-7b
Piso 1	C23	15	2700	1600	1600	200	200	B.2.4-7b
Piso 1	C23	15	2850	1600	1600	200	200	B.2.4-7b
Piso 1	C24	16	0	1600	1600	200	200	B.2.4-7b
Piso 1	C24	16	450	1600	1600	200	200	B.2.4-7b
Piso 1	C24	16	450	1600	1600	200	200	B.2.4-7b
Piso 1	C24	16	900	1600	1600	200	200	B.2.4-7b
Piso 1	C24	16	900	1600	1600	200	200	B.2.4-7b
Piso 1	C24	16	1425	1600	1600	200	200	B.2.4-7b
Piso 1	C24	16	1500	1600	1600	200	200	B.2.4-7b
Piso 1	C24	16	1500	1600	1600	200	200	B.2.4-7b
Piso 1	C24	16	2100	1600	1600	200	200	B.2.4-7b
Piso 1	C24	16	2100	1600	1600	200	200	B.2.4-7b
Piso 1	C24	16	2700	1600	1600	200	200	B.2.4-7b
Piso 1	C24	16	2700	1600	1600	200	200	B.2.4-7b
Piso 1	C24	16	2850	1600	1600	200	200	B.2.4-7b

Table: Concrete Column Design Summary - ACI 318-08, Part 3 of 3

Table: Concrete Column Design Summary - ACI 318-08, Part 3 of 3

Story	Label	UniqueName	Station	VMajRebar	VMinCombo	VMinRebar	WarnMsg	ErrMsg
Unitless	Unitless	Unitless	mm	mm²/m	Unitless	mm²/m	Unitless	Unitless
NV	C1	185	0	334.8	B.2.4-7b	334.8	No Message	No Message
NV	C1	185	1300	334.8	B.2.4-7b	334.8	No Message	No Message
NV	C1	185	2600	334.8	B.2.4-7b	334.8	No Message	No Message
NV	C2	187	0	334.8	B.2.4-7b	334.8	No Message	No Message
NV	C2	187	1300	334.8	B.2.4-7b	334.8	No Message	No Message
NV	C2	187	2600	334.8	B.2.4-7b	334.8	No Message	No Message
NV	C3	1	0	416.6	B.2.4-7b	338.71	No Message	No Message
NV	C3	1	1300	416.6	B.2.4-7b	338.71	No Message	No Message
NV	C3	1	2600	416.6	B.2.4-7b	338.71	No Message	No Message
NV	C4	2	0	334.8	B.2.4-7b	334.8	No Message	No Message
NV	C4	2	1300	334.8	B.2.4-7b	334.8	No Message	No Message
NV	C4	2	2600	334.8	B.2.4-7b	334.8	No Message	No Message
NV	C5	3	0	334.8	B.2.4-5	381.43	No Message	No Message
NV	C5	3	1300	334.8	B.2.4-5	381.43	No Message	No Message
NV	C5	3	2600	334.8	B.2.4-5	381.43	No Message	No Message
NV	C6	4	0	334.8	B.2.4-5b	387.98	No Message	No Message
NV	C6	4	1300	334.8	B.2.4-5b	387.98	No Message	No Message
NV	C6	4	2600	334.8	B.2.4-5b	387.98	No Message	No Message
NV	C7	5	0	334.8	B.2.4-7b	338.71	No Message	No Message
NV	C7	5	1300	334.8	B.2.4-7b	338.71	No Message	No Message

Table: Concrete Column Design Summary - ACI 318-08, Part 3 of 3

Story	Label	UniqueName	Station	VMajRebar	VMinCombo	VMinRebar	WarnMsg	ErrMsg
Unitless	Unitless	Unitless	mm	mm²/m	Unitless	mm²/m	Unitless	Unitless
NV	C7	5	2600	334.8	B.2.4-7b	338.71	No Message	No Message
NV	C8	6	0	334.8	B.2.4-5b	348.36	No Message	No Message
NV	C8	6	1300	334.8	B.2.4-5b	348.36	No Message	No Message
NV	C8	6	2600	334.8	B.2.4-5b	348.36	No Message	No Message
NV	C9	7	0	334.8	B.2.4-7b	334.8	No Message	No Message
NV	C9	7	1300	334.8	B.2.4-7b	334.8	No Message	No Message
NV	C9	7	2600	334.8	B.2.4-7b	334.8	No Message	No Message
NV	C10	8	0	334.8	B.2.4-7b	334.8	No Message	No Message
NV	C10	8	1300	334.8	B.2.4-7b	334.8	No Message	No Message
NV	C10	8	2600	334.8	B.2.4-7b	334.8	No Message	No Message
Piso 1	C1	184	0	334.8	B.2.4-7b	334.8	No Message	No Message
Piso 1	C1	184	525	334.8	B.2.4-7b	334.8	No Message	No Message
Piso 1	C1	184	1050	334.8	B.2.4-7b	334.8	No Message	No Message
Piso 1	C2	186	0	334.8	B.2.4-7b	334.8	No Message	No Message
Piso 1	C2	186	525	334.8	B.2.4-7b	334.8	No Message	No Message
Piso 1	C2	186	1050	334.8	B.2.4-7b	334.8	No Message	No Message
Piso 1	C17	9	0	409.78	B.2.4-7b	334.8	No Message	No Message
Piso 1	C17	9	450	409.78	B.2.4-7b	334.8	No Message	No Message
Piso 1	C17	9	450	409.78	B.2.4-7b	334.8	No Message	No Message
Piso 1	C17	9	900	409.78	B.2.4-7b	334.8	No Message	No Message
Piso 1	C17	9	900	409.78	B.2.4-7b	334.8	No Message	No Message
Piso 1	C17	9	1425	409.78	B.2.4-7b	334.8	No Message	No Message
Piso 1	C17	9	1500	409.78	B.2.4-7b	334.8	No Message	No Message
Piso 1	C17	9	1500	409.78	B.2.4-7b	334.8	No Message	No Message
Piso 1	C17	9	2100	409.78	B.2.4-7b	334.8	No Message	No Message
Piso 1	C17	9	2100	409.78	B.2.4-7b	334.8	No Message	No Message
Piso 1	C17	9	2700	409.78	B.2.4-7b	334.8	No Message	No Message
Piso 1	C17	9	2700	409.78	B.2.4-7b	334.8	No Message	No Message
Piso 1	C17	9	2850	409.78	B.2.4-7b	334.8	No Message	No Message
Piso 1	C18	10	0	334.8	B.2.4-7b	334.8	No Message	No Message
Piso 1	C18	10	450	334.8	B.2.4-7b	334.8	No Message	No Message
Piso 1	C18	10	450	334.8	B.2.4-7b	334.8	No Message	No Message
Piso 1	C18	10	900	334.8	B.2.4-7b	334.8	No Message	No Message
Piso 1	C18	10	900	334.8	B.2.4-7b	334.8	No Message	No Message
Piso 1	C18	10	1425	334.8	B.2.4-7b	334.8	No Message	No Message
Piso 1	C18	10	1500	334.8	B.2.4-7b	334.8	No Message	No Message
Piso 1	C18	10	1500	334.8	B.2.4-7b	334.8	No Message	No Message
Piso 1	C18	10	2100	334.8	B.2.4-7b	334.8	No Message	No Message
Piso 1	C18	10	2100	334.8	B.2.4-7b	334.8	No Message	No Message
Piso 1	C18	10	2700	334.8	B.2.4-7b	334.8	No Message	No Message
Piso 1	C18	10	2700	334.8	B.2.4-7b	334.8	No Message	No Message
Piso 1	C18	10	2850	334.8	B.2.4-7b	334.8	No Message	No Message
Piso 1	C19	11	0	468.17	B.2.4-7b	334.8	No Message	No Message
Piso 1	C19	11	450	468.17	B.2.4-7b	334.8	No Message	No Message
Piso 1	C19	11	450	468.17	B.2.4-7b	334.8	No Message	No Message
Piso 1	C19	11	900	468.17	B.2.4-7b	334.8	No Message	No Message
Piso 1	C19	11	900	468.17	B.2.4-7b	334.8	No Message	No Message
Piso 1	C19	11	1425	468.17	B.2.4-7b	334.8	No Message	No Message
Piso 1	C19	11	1500	468.17	B.2.4-7b	334.8	No Message	No Message
Piso 1	C19	11	1500	468.17	B.2.4-7b	334.8	No Message	No Message
Piso 1	C19	11	2100	468.17	B.2.4-7b	334.8	No Message	No Message
Piso 1	C19	11	2100	468.17	B.2.4-7b	334.8	No Message	No Message
Piso 1	C19	11	2700	468.17	B.2.4-7b	334.8	No Message	No Message
Piso 1	C19	11	2700	468.17	B.2.4-7b	334.8	No Message	No Message

Table: Concrete Column Design Summary - ACI 318-08, Part 3 of 3

Story	Label	UniqueName	Station	VMajRebar	VMinCombo	VMinRebar	WarnMsg	ErrMsg
Unitless	Unitless	Unitless	mm	mm²/m	Unitless	mm²/m	Unitless	Unitless
Piso 1	C19	11	2850	468.17	B.2.4-7b	334.8	No Message	No Message
Piso 1	C20	12	0	334.8	B.2.4-7b	334.8	No Message	No Message
Piso 1	C20	12	450	334.8	B.2.4-7b	334.8	No Message	No Message
Piso 1	C20	12	450	334.8	B.2.4-7b	334.8	No Message	No Message
Piso 1	C20	12	900	334.8	B.2.4-7b	334.8	No Message	No Message
Piso 1	C20	12	900	334.8	B.2.4-7b	334.8	No Message	No Message
Piso 1	C20	12	1425	334.8	B.2.4-7b	334.8	No Message	No Message
Piso 1	C20	12	1500	334.8	B.2.4-7b	334.8	No Message	No Message
Piso 1	C20	12	1500	334.8	B.2.4-7b	334.8	No Message	No Message
Piso 1	C20	12	2100	334.8	B.2.4-7b	334.8	No Message	No Message
Piso 1	C20	12	2100	334.8	B.2.4-7b	334.8	No Message	No Message
Piso 1	C20	12	2700	334.8	B.2.4-7b	334.8	No Message	No Message
Piso 1	C20	12	2700	334.8	B.2.4-7b	334.8	No Message	No Message
Piso 1	C20	12	2850	334.8	B.2.4-7b	334.8	No Message	No Message
Piso 1	C21	13	0	373.78	B.2.4-7b	334.8	No Message	No Message
Piso 1	C21	13	1425	373.78	B.2.4-7b	334.8	No Message	No Message
Piso 1	C21	13	2850	373.78	B.2.4-7b	334.8	No Message	No Message
Piso 1	C22	14	0	334.8	B.2.4-7b	334.8	No Message	No Message
Piso 1	C22	14	400	334.8	B.2.4-7b	334.8	No Message	No Message
Piso 1	C22	14	400	334.8	B.2.4-7b	334.8	No Message	No Message
Piso 1	C22	14	450	334.8	B.2.4-7b	334.8	No Message	No Message
Piso 1	C22	14	450	334.8	B.2.4-7b	334.8	No Message	No Message
Piso 1	C22	14	800	334.8	B.2.4-7b	334.8	No Message	No Message
Piso 1	C22	14	800	334.8	B.2.4-7b	334.8	No Message	No Message
Piso 1	C22	14	900	334.8	B.2.4-7b	334.8	No Message	No Message
Piso 1	C22	14	900	334.8	B.2.4-7b	334.8	No Message	No Message
Piso 1	C22	14	1300	334.8	B.2.4-7b	334.8	No Message	No Message
Piso 1	C22	14	1300	334.8	B.2.4-7b	334.8	No Message	No Message
Piso 1	C22	14	1425	334.8	B.2.4-7b	334.8	No Message	No Message
Piso 1	C22	14	1500	334.8	B.2.4-7b	334.8	No Message	No Message
Piso 1	C22	14	1500	334.8	B.2.4-7b	334.8	No Message	No Message
Piso 1	C22	14	1800	334.8	B.2.4-7b	334.8	No Message	No Message
Piso 1	C22	14	1800	334.8	B.2.4-7b	334.8	No Message	No Message
Piso 1	C22	14	2100	334.8	B.2.4-7b	334.8	No Message	No Message
Piso 1	C22	14	2100	334.8	B.2.4-7b	334.8	No Message	No Message
Piso 1	C22	14	2300	334.8	B.2.4-7b	334.8	No Message	No Message
Piso 1	C22	14	2300	334.8	B.2.4-7b	334.8	No Message	No Message
Piso 1	C22	14	2700	334.8	B.2.4-7b	334.8	No Message	No Message
Piso 1	C22	14	2700	334.8	B.2.4-7b	334.8	No Message	No Message
Piso 1	C22	14	2800	334.8	B.2.4-7b	334.8	No Message	No Message
Piso 1	C22	14	2800	334.8	B.2.4-7b	334.8	No Message	No Message
Piso 1	C22	14	2850	334.8	B.2.4-7b	334.8	No Message	No Message
Piso 1	C23	15	0	334.8	B.2.4-7b	334.8	No Message	No Message
Piso 1	C23	15	450	334.8	B.2.4-7b	334.8	No Message	No Message
Piso 1	C23	15	450	334.8	B.2.4-7b	334.8	No Message	No Message
Piso 1	C23	15	900	334.8	B.2.4-7b	334.8	No Message	No Message
Piso 1	C23	15	900	334.8	B.2.4-7b	334.8	No Message	No Message
Piso 1	C23	15	1425	334.8	B.2.4-7b	334.8	No Message	No Message
Piso 1	C23	15	1500	334.8	B.2.4-7b	334.8	No Message	No Message
Piso 1	C23	15	1500	334.8	B.2.4-7b	334.8	No Message	No Message
Piso 1	C23	15	2100	334.8	B.2.4-7b	334.8	No Message	No Message
Piso 1	C23	15	2100	334.8	B.2.4-7b	334.8	No Message	No Message
Piso 1	C23	15	2700	334.8	B.2.4-7b	334.8	No Message	No Message
Piso 1	C23	15	2700	334.8	B.2.4-7b	334.8	No Message	No Message

Table: Concrete Column Design Summary - ACI 318-08, Part 3 of 3

Story	Label	UniqueName	Station	VMajRebar	VMinCombo	VMinRebar	WarnMsg	ErrMsg
Unitless	Unitless	Unitless	mm	mm²/m	Unitless	mm²/m	Unitless	Unitless
Piso 1	C23	15	2850	334.8	B.2.4-7b	334.8	No Message	No Message
Piso 1	C24	16	0	334.8	B.2.4-7b	334.8	No Message	No Message
Piso 1	C24	16	450	334.8	B.2.4-7b	334.8	No Message	No Message
Piso 1	C24	16	450	334.8	B.2.4-7b	334.8	No Message	No Message
Piso 1	C24	16	900	334.8	B.2.4-7b	334.8	No Message	No Message
Piso 1	C24	16	900	334.8	B.2.4-7b	334.8	No Message	No Message
Piso 1	C24	16	1425	334.8	B.2.4-7b	334.8	No Message	No Message
Piso 1	C24	16	1500	334.8	B.2.4-7b	334.8	No Message	No Message
Piso 1	C24	16	1500	334.8	B.2.4-7b	334.8	No Message	No Message
Piso 1	C24	16	2100	334.8	B.2.4-7b	334.8	No Message	No Message
Piso 1	C24	16	2100	334.8	B.2.4-7b	334.8	No Message	No Message
Piso 1	C24	16	2700	334.8	B.2.4-7b	334.8	No Message	No Message
Piso 1	C24	16	2700	334.8	B.2.4-7b	334.8	No Message	No Message
Piso 1	C24	16	2850	334.8	B.2.4-7b	334.8	No Message	No Message

Table: Concrete Column PMM Envelope - ACI 318-08, Part 1 of 2

Table: Concrete Column PMM Envelope - ACI 318-08, Part 1 of 2

Story	Label	UniqueName	Section	Location	P	M Major	M Minor	PMM Combo
Unitless	Unitless	Unitless	Unitless	Unitless	tonf	tonf-m	tonf-m	Unitless
NV	C1	185	COL 40x40cm	Top	1.9296	-1.7077	1.7544	B.2.4-7b
NV	C1	185	COL 40x40cm	Bottom	3.0178	-2.3896	-2.833	B.2.4-7a
NV	C2	187	COL 40x40cm	Top	1.0707	1.6097	-2.1547	B.2.4-5b
NV	C2	187	COL 40x40cm	Bottom	2.5015	-2.2876	3.0244	B.2.4-5
NV	C3	1	COL 40x40cm	Top	2.7509	-3.323	2.0574	B.2.4-7a
NV	C3	1	COL 40x40cm	Bottom	3.6505	-6.0567	-5.2216	B.2.4-7a
NV	C4	2	COL 40x40cm	Top	1.4994	3.05	-2.3107	B.2.4-7a
NV	C4	2	COL 40x40cm	Bottom	2.399	3.4183	4.9125	B.2.4-7a
NV	C5	3	COL 40x40cm	Top	2.3084	-2.5706	2.3289	B.2.4-7b
NV	C5	3	COL 40x40cm	Bottom	3.208	-6.9308	-6.0112	B.2.4-7b
NV	C6	4	COL 40x40cm	Top	1.0469	-2.4461	-2.6409	B.2.4-7b
NV	C6	4	COL 40x40cm	Bottom	1.9465	-2.9621	5.9021	B.2.4-7b
NV	C7	5	COL 40x40cm	Top	1.9902	2.0182	-2.7081	B.2.4-7b
NV	C7	5	COL 40x40cm	Bottom	2.8809	5.523	4.8255	B.2.4-7a
NV	C8	6	COL 40x40cm	Top	0.9824	-2.2261	-2.4443	B.2.4-7a
NV	C8	6	COL 40x40cm	Bottom	1.8923	-3.2101	5.3351	B.2.4-7b
NV	C9	7	COL 40x40cm	Top	1.7522	-1.6248	2.0642	B.2.4-5
NV	C9	7	COL 40x40cm	Bottom	2.9516	4.361	-3.8334	B.2.4-5
NV	C10	8	COL 40x40cm	Top	0.8623	-1.4639	-1.8059	B.2.4-5b
NV	C10	8	COL 40x40cm	Bottom	2.1224	2.7819	3.6291	B.2.4-5
Piso 1	C1	184	COL 40x40cm	Top	2.6112	-1.5132	-2.833	B.2.4-7b
Piso 1	C1	184	COL 40x40cm	Bottom	10.0068	-0.3098	-0.8886	B.2.4-5
Piso 1	C2	186	COL 40x40cm	Top	2.0169	1.3174	3.0244	B.2.4-7a
Piso 1	C2	186	COL 40x40cm	Bottom	1.8648	-0.325	-0.8577	B.2.4-7b
Piso 1	C17	9	COL 40x40cm	Top	2.5741	6.0567	0.3622	B.2.4-7a
Piso 1	C17	9	COL 40x40cm	Bottom	4.7698	0.7984	0.1305	B.2.4-2
Piso 1	C18	10	COL 40x40cm	Top	-0.9079	-3.4183	0.6216	B.2.4-7a
Piso 1	C18	10	COL 40x40cm	Bottom	-0.3646	0.0859	-0.088	B.2.4-5
Piso 1	C19	11	COL 40x40cm	Top	3.0657	6.9308	-0.411	B.2.4-7b

Table: Concrete Column PMM Envelope - ACI 318-08, Part 1 of 2

Story	Label	UniqueName	Section	Location	P	M Major	M Minor	PMM Combo
Unitless	Unitless	Unitless	Unitless	Unitless	tonf	tonf-m	tonf-m	Unitless
Piso 1	C19	11	COL 40x40cm	Bottom	6.3089	-0.1981	-0.1727	B.2.4-2
Piso 1	C20	12	COL 40x40cm	Top	-0.9386	-0.2079	1.2897	B.2.4-7b
Piso 1	C20	12	COL 40x40cm	Bottom	1.6917	-0.0541	-0.0515	B.2.4-5b
Piso 1	C21	13	COL 40x40cm	Top	7.4967	5.523	-0.9972	B.2.4-7b
Piso 1	C21	13	COL 40x40cm	Bottom	24.7747	-0.0509	0.6749	B.2.4-2
Piso 1	C22	14	COL 40x40cm	Top	-0.5975	-0.3068	-1.1535	B.2.4-7b
Piso 1	C22	14	COL 40x40cm	Bottom	1.6202	0.0442	0.0478	B.2.4-5b
Piso 1	C23	15	COL 40x40cm	Top	1.4734	-3.5141	-0.2802	B.2.4-7b
Piso 1	C23	15	COL 40x40cm	Bottom	3.1493	0.086	-0.1096	B.2.4-5
Piso 1	C24	16	COL 40x40cm	Top	-1.2814	-0.3201	0.9113	B.2.4-7b
Piso 1	C24	16	COL 40x40cm	Bottom	-0.0409	-0.1192	-0.0893	B.2.4-7a

Table: Concrete Column PMM Envelope - ACI 318-08, Part 2 of 2

Table: Concrete Column PMM Envelope - ACI 318-08, Part 2 of 2

Story	Label	UniqueName	Location	PMM Ratio or Rebar %
Unitless	Unitless	Unitless	Unitless	Unitless
NV	C1	185	Top	1 %
NV	C1	185	Bottom	1 %
NV	C2	187	Top	1 %
NV	C2	187	Bottom	1 %
NV	C3	1	Top	1 %
NV	C3	1	Bottom	1 %
NV	C4	2	Top	1 %
NV	C4	2	Bottom	1 %
NV	C5	3	Top	1 %
NV	C5	3	Bottom	1 %
NV	C6	4	Top	1 %
NV	C6	4	Bottom	1 %
NV	C7	5	Top	1 %
NV	C7	5	Bottom	1 %
NV	C8	6	Top	1 %
NV	C8	6	Bottom	1 %
NV	C9	7	Top	1 %
NV	C9	7	Bottom	1 %
NV	C10	8	Top	1 %
NV	C10	8	Bottom	1 %
Piso 1	C1	184	Top	1 %
Piso 1	C1	184	Bottom	1 %
Piso 1	C2	186	Top	1 %
Piso 1	C2	186	Bottom	1 %
Piso 1	C17	9	Top	1 %
Piso 1	C17	9	Bottom	1 %
Piso 1	C18	10	Top	1 %

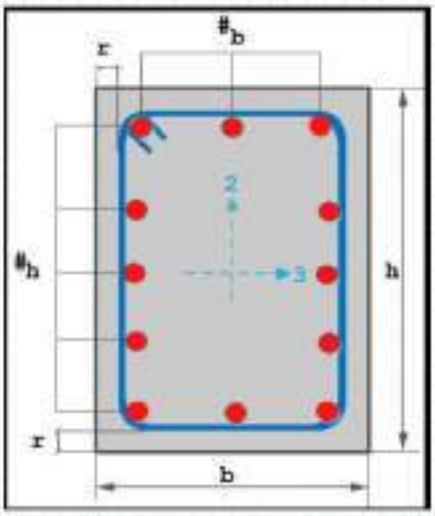
Table: Concrete Column PMM Envelope - ACI 318-08, Part 2 of 2

Story	Label	UniqueName	Location	PMM Ratio or Rebar %
Unitless	Unitless	Unitless	Unitless	Unitless
Piso 1	C18	10	Bottom	1 %
Piso 1	C19	11	Top	1 %
Piso 1	C19	11	Bottom	1 %
Piso 1	C20	12	Top	1 %
Piso 1	C20	12	Bottom	1 %
Piso 1	C21	13	Top	1 %
Piso 1	C21	13	Bottom	1 %
Piso 1	C22	14	Top	1 %
Piso 1	C22	14	Bottom	1 %
Piso 1	C23	15	Top	1 %
Piso 1	C23	15	Bottom	1 %
Piso 1	C24	16	Top	1 %
Piso 1	C24	16	Bottom	1 %

	CHEQUEO MANUAL DE COLUMNAS	

DIAGRAMA DE INTERACIÓN DE COLUMNAS RECTANGULARES PM2, PM3 Y 3D

A) Materiales



Concreto $f'_c := 280\ \frac{kgf}{cm^2}$

Acero de refuerzo $f_y := 4200\ \frac{kgf}{cm^2}$

Módulo de elasticidad $E_s := 2030000\ \frac{kgf}{cm^2}$

B) Dimensiones

Altura $h := 40\ cm$

Ancho $b := 40\ cm$

Recubrimiento al estribo $r := 4\ cm$

C) Refuerzo

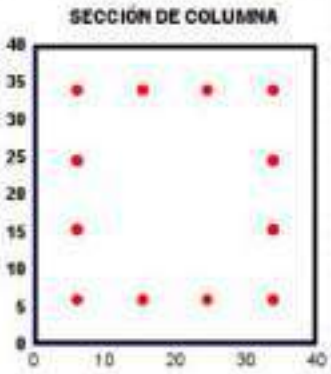
Número de Barras Dirección b $\#_b := 4$

Número de Barras Dirección h $\#_h := 4$

Diámetro Barras de Refuerzo Longitudinal $d_{be} := \frac{5}{8}\ in$

Acero transversal (Diámetro de Estribo) $d_v := \frac{1}{2}\ in$

D) DATOS ingresados



- Refuerzo Longitudinal: $\phi_{longitudinal} = 12$ **barras**

  Diámetro: $d_{be} = 15.875\ mm$
- Refuerzo Transversal: $d_v = 12.7\ mm$
- Cuantia $\rho = 1.484\%$ $V_{verificacion} = \text{"ok"}$

SOLICITACIÓN DE FUERZA AXIAL Y MOMENTO

1. Resistencia requerida

Fuerza Axial

$P_u := [18.65]\ tonnef$

Momento

Dirección 2 $M_{uy} := [0.53]\ tonnef \cdot m$

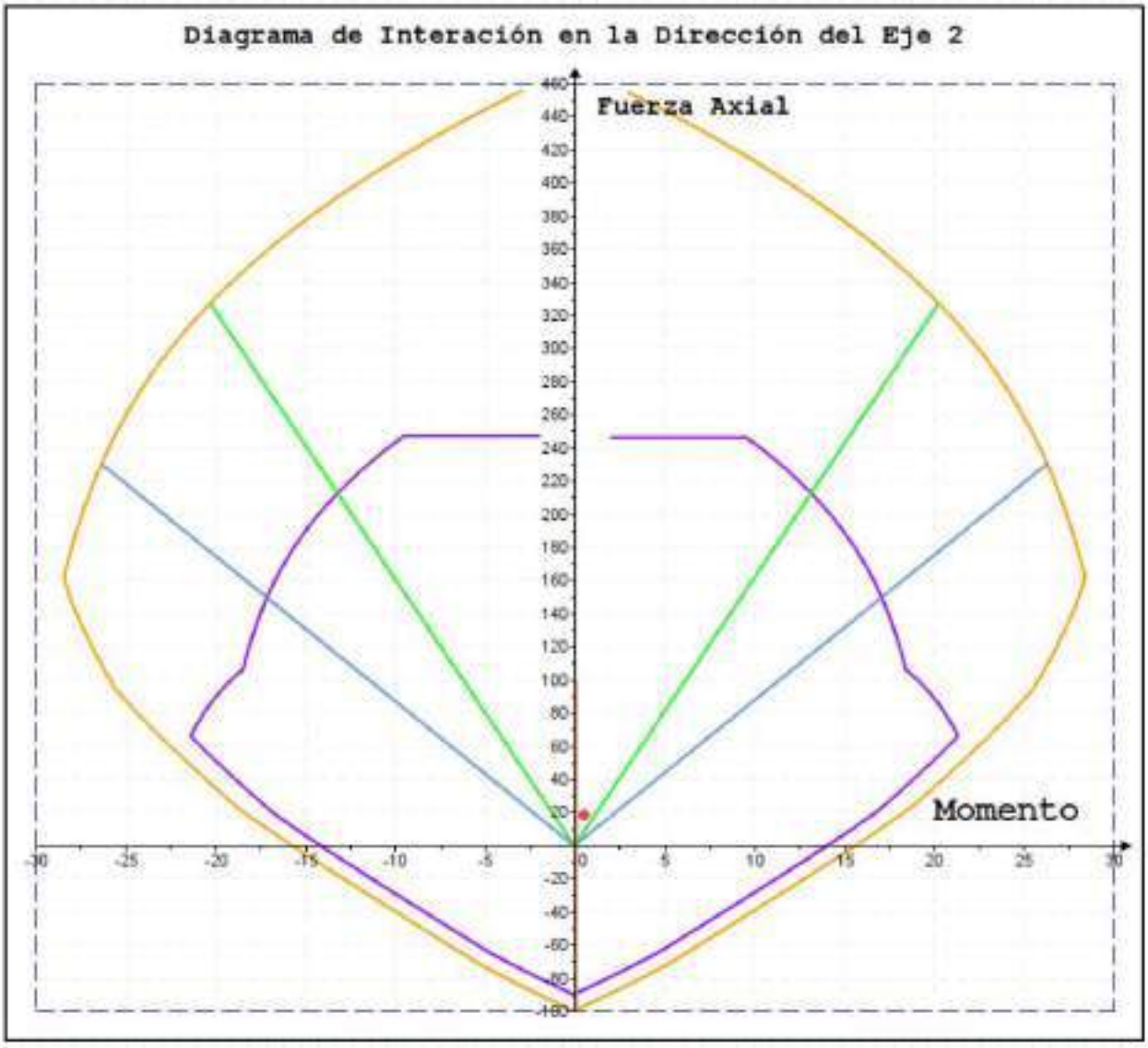
Dirección 3 $M_{ux} := [5.86]\ tonnef \cdot m$

DIAGRAMA DE INTERACIÓN UNIAXIAL EJE 2

UNIDADES PARA EL DIAGRAMA DE INTERACCIÓN EN EL EJE 2

Fuerza Axial Fuerza := tonnef

Momento Momento := tonnef·m



LEYENDA:

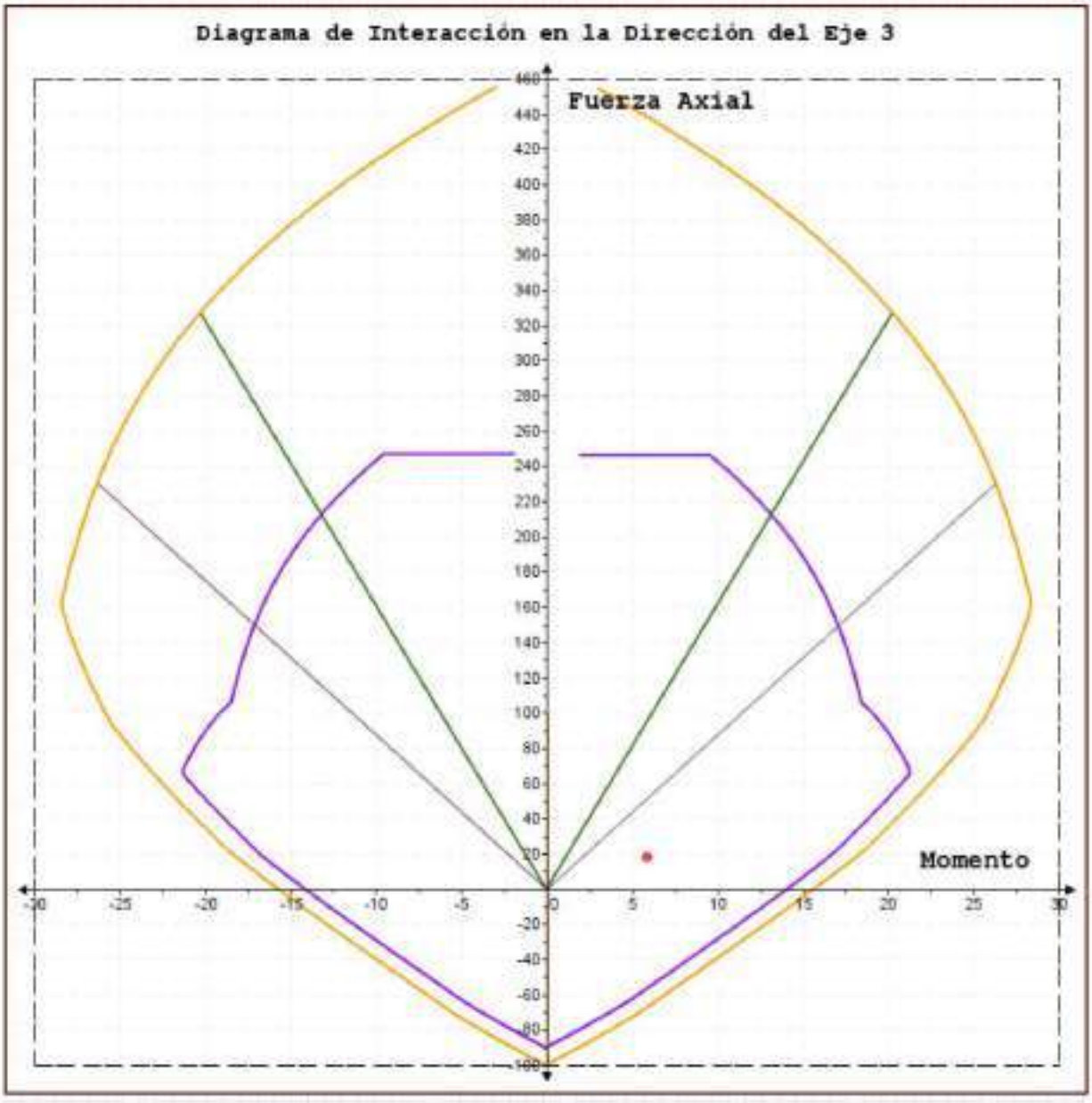
Curva sin ϕ

Curva con ϕ

DIAGRAMA DE INTERACIÓN UNIAXIAL EJE 3

UNIDADES PARA EL DIAGRAMA DE INTERACCIÓN EN EL EJE 3

- Fuerza Axial — Fuerza := **tonnef**
- Momento — Momento := **tonnef·m**



LEYENDA:

Curva sin ϕ

Curva con ϕ

Table: Concrete Beam Design Summary - ACI 318-08, Part 1 of 4

Table: Concrete Beam Design Summary - ACI 318-08, Part 1 of 4

Story	Label	UniqueName	DesignSect	Station	Status	AsTopCombo	AsMinTop	AsTop
Unitless	Unitless	Unitless	Unitless	m	Unitless	Unitless	m²	m²
NV	B485	17	V(30x40)	0.2	No Message	B.2.4-5	0.000222	0.000222
NV	B485	17	V(30x40)	0.69444	No Message	B.2.4-5	0.000148	0.000148
NV	B485	17	V(30x40)	1.18889	No Message	B.2.4-7a	8.8E-05	8.8E-05
NV	B485	17	V(30x40)	1.68333	No Message	B.2.4-5b	5.7E-05	5.7E-05
NV	B485	17	V(30x40)	2.17778	No Message	B.2.4-5b	5.7E-05	5.7E-05
NV	B485	17	V(30x40)	2.67222	No Message	B.2.4-5b	5.7E-05	5.7E-05
NV	B485	17	V(30x40)	3.16667	No Message	B.2.4-5b	5.7E-05	5.7E-05
NV	B485	17	V(30x40)	3.66111	No Message	B.2.4-7b	7.9E-05	7.9E-05
NV	B485	17	V(30x40)	4.15556	No Message	B.2.4-7b	0.000134	0.000134
NV	B485	17	V(30x40)	4.65	No Message	B.2.4-5b	0.000204	0.000204
NV	B487	18	V(30x40)	0.2	No Message	B.2.4-5b	0.000343	0.000343
NV	B487	18	V(30x40)	0.69444	No Message	B.2.4-5b	0.000245	0.000245
NV	B487	18	V(30x40)	1.18889	No Message	B.2.4-7b	0.00016	0.00016
NV	B487	18	V(30x40)	1.68333	No Message	B.2.4-5	9.8E-05	9.8E-05
NV	B487	18	V(30x40)	2.17778	No Message	B.2.4-5	9.8E-05	9.8E-05
NV	B487	18	V(30x40)	2.67222	No Message	B.2.4-5	9.8E-05	9.8E-05
NV	B487	18	V(30x40)	3.16667	No Message	B.2.4-5	9.8E-05	9.8E-05
NV	B487	18	V(30x40)	3.66111	No Message	B.2.4-7a	0.000139	0.000139
NV	B487	18	V(30x40)	4.15556	No Message	B.2.4-5	0.000217	0.000217
NV	B487	18	V(30x40)	4.65	No Message	B.2.4-5	0.000309	0.000309
NV	B490	19	V(30x40)	0.2	No Message	B.2.4-7b	0.000352	0.000352
NV	B490	19	V(30x40)	0.69444	No Message	B.2.4-5	0.000285	0.000285
NV	B490	19	V(30x40)	1.18889	No Message	B.2.4-7a	0.000186	0.000186
NV	B490	19	V(30x40)	1.68333	No Message	B.2.4-5	0.000111	0.000111
NV	B490	19	V(30x40)	2.17778	No Message	B.2.4-5	0.000111	0.000111
NV	B490	19	V(30x40)	2.67222	No Message	B.2.4-5	0.000111	0.000111
NV	B490	19	V(30x40)	3.16667	No Message	B.2.4-5	0.000111	0.000111
NV	B490	19	V(30x40)	3.66111	No Message	B.2.4-7b	0.000166	0.000166
NV	B490	19	V(30x40)	4.15556	No Message	B.2.4-7b	0.000253	0.000253
NV	B490	19	V(30x40)	4.65	No Message	B.2.4-5b	0.000352	0.000352
NV	B491	20	V(30x40)	0.2	No Message	B.2.4-5b	0.000352	0.000352
NV	B491	20	V(30x40)	0.69444	No Message	B.2.4-5	0.000268	0.000268
NV	B491	20	V(30x40)	1.18889	No Message	B.2.4-5	0.000173	0.000173
NV	B491	20	V(30x40)	1.68333	No Message	B.2.4-5	0.000102	0.000102
NV	B491	20	V(30x40)	2.17778	No Message	B.2.4-5	0.000102	0.000102
NV	B491	20	V(30x40)	2.67222	No Message	B.2.4-5	0.000102	0.000102
NV	B491	20	V(30x40)	3.16667	No Message	B.2.4-5	0.000102	0.000102
NV	B491	20	V(30x40)	3.66111	No Message	B.2.4-7b	0.000151	0.000151
NV	B491	20	V(30x40)	4.15556	No Message	B.2.4-7b	0.000233	0.000233
NV	B491	20	V(30x40)	4.65	No Message	B.2.4-5b	0.000324	0.000324
NV	B492	21	V(30x40)	0.2	No Message	B.2.4-5b	0.000265	0.000265
NV	B492	21	V(30x40)	0.69444	No Message	B.2.4-5b	0.000183	0.000183
NV	B492	21	V(30x40)	1.18889	No Message	B.2.4-7b	0.000111	0.000111
NV	B492	21	V(30x40)	1.68333	No Message	B.2.4-5b	7.2E-05	7.2E-05
NV	B492	21	V(30x40)	2.17778	No Message	B.2.4-5b	7.2E-05	7.2E-05
NV	B492	21	V(30x40)	2.67222	No Message	B.2.4-5b	7.2E-05	7.2E-05
NV	B492	21	V(30x40)	3.16667	No Message	B.2.4-5b	7.2E-05	7.2E-05
NV	B492	21	V(30x40)	3.66111	No Message	B.2.4-7b	9.8E-05	9.8E-05
NV	B492	21	V(30x40)	4.15556	No Message	B.2.4-7b	0.000161	0.000161
NV	B492	21	V(30x40)	4.65	No Message	B.2.4-5b	0.000236	0.000236
NV	B493	22	V(30x40)	0.2	No Message	B.2.4-5	0.000201	0.000201
NV	B493	22	V(30x40)	0.69545	No Message	B.2.4-5	0.000136	0.000136

Table: Concrete Beam Design Summary - ACI 318-08, Part 1 of 4

Story	Label	UniqueName	DesignSect	Station	Status	AsTopCombo	AsMinTop	AsTop
Unitless	Unitless	Unitless	Unitless	m	Unitless	Unitless	m²	m²
NV	B493	22	V(30x40)	1.19091	No Message	B.2.4-5b	8.2E-05	8.2E-05
NV	B493	22	V(30x40)	1.68636	No Message	B.2.4-5b	8.2E-05	8.2E-05
NV	B493	22	V(30x40)	2.18182	No Message	B.2.4-5b	8.2E-05	8.2E-05
NV	B493	22	V(30x40)	2.67727	No Message	B.2.4-5b	8.2E-05	8.2E-05
NV	B493	22	V(30x40)	3.17273	No Message	B.2.4-5b	8.2E-05	8.2E-05
NV	B493	22	V(30x40)	3.66818	No Message	B.2.4-5b	8.2E-05	8.2E-05
NV	B493	22	V(30x40)	4.16364	No Message	B.2.4-5b	8.2E-05	8.2E-05
NV	B493	22	V(30x40)	4.65909	No Message	B.2.4-7b	0.000132	0.000132
NV	B493	22	V(30x40)	5.15455	No Message	B.2.4-5b	0.000202	0.000202
NV	B493	22	V(30x40)	5.65	No Message	B.2.4-5b	0.000283	0.000283
NV	B494	23	V(30x40)	0.2	No Message	B.2.4-5b	0.000252	0.000252
NV	B494	23	V(30x40)	0.67	No Message	B.2.4-5b	0.000183	0.000183
NV	B494	23	V(30x40)	1.14	No Message	B.2.4-5b	0.000122	0.000122
NV	B494	23	V(30x40)	1.61	No Message	B.2.4-7b	7.4E-05	7.4E-05
NV	B494	23	V(30x40)	2.08	No Message	B.2.4-5b	6.2E-05	6.2E-05
NV	B494	23	V(30x40)	2.55	No Message	B.2.4-7b	8E-06	8E-06
NV	B496	24	V(30x40)	0	No Message	B.2.4-7b	1E-05	1E-05
NV	B496	24	V(30x40)	0.49375	No Message	B.2.4-7b	5.3E-05	5.3E-05
NV	B496	24	V(30x40)	0.9875	No Message	B.2.4-7b	5.3E-05	5.3E-05
NV	B496	24	V(30x40)	1.48125	No Message	B.2.4-7b	5.3E-05	5.3E-05
NV	B496	24	V(30x40)	1.975	No Message	B.2.4-7b	5.3E-05	5.3E-05
NV	B496	24	V(30x40)	2.46875	No Message	B.2.4-7b	5.3E-05	5.3E-05
NV	B496	24	V(30x40)	2.9625	No Message	B.2.4-7a	8.5E-05	8.5E-05
NV	B496	24	V(30x40)	3.45625	No Message	B.2.4-5	0.000136	0.000136
NV	B496	24	V(30x40)	3.95	No Message	B.2.4-5	0.000203	0.000203
NV	B497	25	V(30x40)	0.2	No Message	B.2.4-5b	0.000207	0.000207
NV	B497	25	V(30x40)	0.667	No Message	B.2.4-5b	0.000143	0.000143
NV	B497	25	V(30x40)	1.134	No Message	B.2.4-7b	9.3E-05	9.3E-05
NV	B497	25	V(30x40)	1.601	No Message	B.2.4-7b	5.5E-05	5.5E-05
NV	B497	25	V(30x40)	2.068	No Message	B.2.4-7b	5.5E-05	5.5E-05
NV	B497	25	V(30x40)	2.535	No Message	B.2.4-7b	5.5E-05	5.5E-05
NV	B497	25	V(30x40)	3.002	No Message	B.2.4-7b	5.5E-05	5.5E-05
NV	B497	25	V(30x40)	3.469	No Message	B.2.4-7b	5.5E-05	5.5E-05
NV	B497	25	V(30x40)	3.936	No Message	B.2.4-7a	6.6E-05	6.6E-05
NV	B497	25	V(30x40)	4.403	No Message	B.2.4-7a	0.000109	0.000109
NV	B497	25	V(30x40)	4.87	No Message	B.2.4-5	0.000162	0.000162
NV	B498	26	V(30x40)	0.2	No Message	B.2.4-7b	0.000183	0.000183
NV	B498	26	V(30x40)	0.668	No Message	B.2.4-7b	0.000126	0.000126
NV	B498	26	V(30x40)	1.136	No Message	B.2.4-7b	7.5E-05	7.5E-05
NV	B498	26	V(30x40)	1.604	No Message	B.2.4-5	4.8E-05	4.8E-05
NV	B498	26	V(30x40)	2.072	No Message	B.2.4-5	4.8E-05	4.8E-05
NV	B498	26	V(30x40)	2.54	No Message	B.2.4-5	4.8E-05	4.8E-05
NV	B498	26	V(30x40)	3.008	No Message	B.2.4-5	4.8E-05	4.8E-05
NV	B498	26	V(30x40)	3.476	No Message	B.2.4-5	4.8E-05	4.8E-05
NV	B498	26	V(30x40)	3.944	No Message	B.2.4-5	9E-05	9E-05
NV	B498	26	V(30x40)	4.412	No Message	B.2.4-5	0.000148	0.000148
NV	B498	26	V(30x40)	4.88	No Message	B.2.4-5	0.000214	0.000214
NV	B499	27	V(30x40)	0.2	No Message	B.2.4-5	0.000196	0.000196
NV	B499	27	V(30x40)	0.69545	No Message	B.2.4-5	0.000131	0.000131
NV	B499	27	V(30x40)	1.19091	No Message	B.2.4-5	7.5E-05	7.5E-05
NV	B499	27	V(30x40)	1.68636	No Message	B.2.4-5b	7.1E-05	7.1E-05
NV	B499	27	V(30x40)	2.18182	No Message	B.2.4-5b	7.1E-05	7.1E-05
NV	B499	27	V(30x40)	2.67727	No Message	B.2.4-5b	7.1E-05	7.1E-05

Table: Concrete Beam Design Summary - ACI 318-08, Part 1 of 4

Story	Label	UniqueName	DesignSect	Station	Status	AsTopCombo	AsMinTop	AsTop
Unitless	Unitless	Unitless	Unitless	m	Unitless	Unitless	m²	m²
NV	B499	27	V(30x40)	3.17273	No Message	B.2.4-5b	7.1E-05	7.1E-05
NV	B499	27	V(30x40)	3.66818	No Message	B.2.4-5b	7.1E-05	7.1E-05
NV	B499	27	V(30x40)	4.16364	No Message	B.2.4-5b	7.1E-05	7.1E-05
NV	B499	27	V(30x40)	4.65909	No Message	B.2.4-5b	0.00012	0.00012
NV	B499	27	V(30x40)	5.15455	No Message	B.2.4-5b	0.000188	0.000188
NV	B499	27	V(30x40)	5.65	No Message	B.2.4-5b	0.000267	0.000267
NV	B500	28	V(30x40)	0.2	No Message	B.2.4-5b	0.000232	0.000232
NV	B500	28	V(30x40)	0.67	No Message	B.2.4-5b	0.000166	0.000166
NV	B500	28	V(30x40)	1.14	No Message	B.2.4-5b	0.000109	0.000109
NV	B500	28	V(30x40)	1.61	No Message	B.2.4-5b	6.5E-05	6.5E-05
NV	B500	28	V(30x40)	2.08	No Message	B.2.4-5b	6.5E-05	6.5E-05
NV	B500	28	V(30x40)	2.55	No Message	B.2.4-7b	1.1E-05	1.1E-05
NV	B501	29	V(30x40)	0	No Message	B.2.4-7b	1.5E-05	1.5E-05
NV	B501	29	V(30x40)	0.49375	No Message	B.2.4-5b	6E-05	6E-05
NV	B501	29	V(30x40)	0.9875	No Message	B.2.4-5b	6E-05	6E-05
NV	B501	29	V(30x40)	1.48125	No Message	B.2.4-5b	6E-05	6E-05
NV	B501	29	V(30x40)	1.975	No Message	B.2.4-5b	6E-05	6E-05
NV	B501	29	V(30x40)	2.46875	No Message	B.2.4-5b	6E-05	6E-05
NV	B501	29	V(30x40)	2.9625	No Message	B.2.4-7b	8.2E-05	8.2E-05
NV	B501	29	V(30x40)	3.45625	No Message	B.2.4-5	0.000137	0.000137
NV	B501	29	V(30x40)	3.95	No Message	B.2.4-5	0.000203	0.000203
NV	B507	30	V(30x40)	0.2	No Message	B.2.4-5b	0.000204	0.000204
NV	B507	30	V(30x40)	0.667	No Message	B.2.4-5b	0.000143	0.000143
NV	B507	30	V(30x40)	1.134	No Message	B.2.4-7b	9.1E-05	9.1E-05
NV	B507	30	V(30x40)	1.601	No Message	B.2.4-5b	5.8E-05	5.8E-05
NV	B507	30	V(30x40)	2.068	No Message	B.2.4-5b	5.8E-05	5.8E-05
NV	B507	30	V(30x40)	2.535	No Message	B.2.4-5b	5.8E-05	5.8E-05
NV	B507	30	V(30x40)	3.002	No Message	B.2.4-5b	5.8E-05	5.8E-05
NV	B507	30	V(30x40)	3.469	No Message	B.2.4-5b	5.8E-05	5.8E-05
NV	B507	30	V(30x40)	3.936	No Message	B.2.4-7a	6.9E-05	6.9E-05
NV	B507	30	V(30x40)	4.403	No Message	B.2.4-5	0.000113	0.000113
NV	B507	30	V(30x40)	4.87	No Message	B.2.4-5	0.00017	0.00017
NV	B508	31	V(30x40)	0.2	No Message	B.2.4-5b	0.000193	0.000193
NV	B508	31	V(30x40)	0.668	No Message	B.2.4-5b	0.000128	0.000128
NV	B508	31	V(30x40)	1.136	No Message	B.2.4-7b	7.4E-05	7.4E-05
NV	B508	31	V(30x40)	1.604	No Message	B.2.4-5b	4.9E-05	4.9E-05
NV	B508	31	V(30x40)	2.072	No Message	B.2.4-5b	4.9E-05	4.9E-05
NV	B508	31	V(30x40)	2.54	No Message	B.2.4-5b	4.9E-05	4.9E-05
NV	B508	31	V(30x40)	3.008	No Message	B.2.4-5b	4.9E-05	4.9E-05
NV	B508	31	V(30x40)	3.476	No Message	B.2.4-5b	4.9E-05	4.9E-05
NV	B508	31	V(30x40)	3.944	No Message	B.2.4-7a	7.5E-05	7.5E-05
NV	B508	31	V(30x40)	4.412	No Message	B.2.4-5	0.000124	0.000124
NV	B508	31	V(30x40)	4.88	No Message	B.2.4-5	0.000184	0.000184
Piso 1	B487	32	V(30x45)	0.2	No Message	B.2.4-7a	8.3E-05	8.3E-05
Piso 1	B487	32	V(30x45)	0.47	No Message	B.2.4-7a	5.9E-05	5.9E-05
Piso 1	B487	32	V(30x45)	0.47	No Message	B.2.4-5b	5E-05	5E-05
Piso 1	B487	32	V(30x45)	0.94	No Message	B.2.4-7b	4.9E-05	4.9E-05
Piso 1	B487	32	V(30x45)	0.94	No Message	B.2.4-7b	4.8E-05	4.8E-05
Piso 1	B487	32	V(30x45)	0.97	No Message	B.2.4-7b	4.8E-05	4.8E-05
Piso 1	B487	32	V(30x45)	0.97	No Message	B.2.4-7b	6E-05	6E-05
Piso 1	B487	32	V(30x45)	1.41	No Message	B.2.4-7b	6E-05	6E-05
Piso 1	B487	32	V(30x45)	1.41	No Message	B.2.4-5b	5.7E-05	5.7E-05
Piso 1	B487	32	V(30x45)	1.51	No Message	B.2.4-5b	5.7E-05	5.7E-05

Table: Concrete Beam Design Summary - ACI 318-08, Part 1 of 4

Story	Label	UniqueName	DesignSect	Station	Status	AsTopCombo	AsMinTop	AsTop
Unitless	Unitless	Unitless	Unitless	m	Unitless	Unitless	m²	m²
Piso 1	B487	32	V(30x45)	1.51	No Message	B.2.4-7b	5.8E-05	5.8E-05
Piso 1	B487	32	V(30x45)	1.94	No Message	B.2.4-7b	5.8E-05	5.8E-05
Piso 1	B487	32	V(30x45)	1.94	No Message	B.2.4-7b	7.1E-05	7.1E-05
Piso 1	B487	32	V(30x45)	1.98333	No Message	B.2.4-7b	7.1E-05	7.1E-05
Piso 1	B487	32	V(30x45)	1.98333	No Message	B.2.4-5b	7.3E-05	7.3E-05
Piso 1	B487	32	V(30x45)	2.27	No Message	B.2.4-5b	7.3E-05	7.3E-05
Piso 1	B487	32	V(30x45)	2.55667	No Message	B.2.4-5b	7.3E-05	7.3E-05
Piso 1	B487	32	V(30x45)	2.55667	No Message	B.2.4-5b	7.5E-05	7.5E-05
Piso 1	B487	32	V(30x45)	2.91	No Message	B.2.4-5b	7.5E-05	7.5E-05
Piso 1	B487	32	V(30x45)	2.91	No Message	B.2.4-5b	7.5E-05	7.5E-05
Piso 1	B487	32	V(30x45)	3.13	No Message	B.2.4-5b	7.5E-05	7.5E-05
Piso 1	B487	32	V(30x45)	3.13	No Message	B.2.4-5b	7.8E-05	7.8E-05
Piso 1	B487	32	V(30x45)	3.41667	No Message	B.2.4-5b	7.8E-05	7.8E-05
Piso 1	B487	32	V(30x45)	3.70333	No Message	B.2.4-5b	7.8E-05	7.8E-05
Piso 1	B487	32	V(30x45)	3.70333	No Message	B.2.4-5b	8.9E-05	8.9E-05
Piso 1	B487	32	V(30x45)	3.88	No Message	B.2.4-5b	8.9E-05	8.9E-05
Piso 1	B487	32	V(30x45)	3.88	No Message	B.2.4-5b	8.9E-05	8.9E-05
Piso 1	B487	32	V(30x45)	4.27667	No Message	B.2.4-5b	8.9E-05	8.9E-05
Piso 1	B487	32	V(30x45)	4.27667	No Message	B.2.4-5b	0.000113	0.000113
Piso 1	B487	32	V(30x45)	4.65	No Message	B.2.4-7b	0.000172	0.000172
Piso 1	B490	33	V(30x45)	0.2	No Message	B.2.4-7b	8.3E-05	8.3E-05
Piso 1	B490	33	V(30x45)	0.47	No Message	B.2.4-5b	5.4E-05	5.4E-05
Piso 1	B490	33	V(30x45)	0.47	No Message	B.2.4-5b	4.5E-05	4.5E-05
Piso 1	B490	33	V(30x45)	0.94	No Message	B.2.4-7b	3.9E-05	3.9E-05
Piso 1	B490	33	V(30x45)	0.94	No Message	B.2.4-7b	3.8E-05	3.8E-05
Piso 1	B490	33	V(30x45)	0.97	No Message	B.2.4-7b	3.8E-05	3.8E-05
Piso 1	B490	33	V(30x45)	0.97	No Message	B.2.4-7b	3.9E-05	3.9E-05
Piso 1	B490	33	V(30x45)	1.41	No Message	B.2.4-7b	3.9E-05	3.9E-05
Piso 1	B490	33	V(30x45)	1.41	No Message	B.2.4-7b	4.2E-05	4.2E-05
Piso 1	B490	33	V(30x45)	1.675	No Message	B.2.4-7b	4.2E-05	4.2E-05
Piso 1	B490	33	V(30x45)	1.94	No Message	B.2.4-7b	4.2E-05	4.2E-05
Piso 1	B490	33	V(30x45)	1.94	No Message	B.2.4-7b	4E-05	4E-05
Piso 1	B490	33	V(30x45)	1.98333	No Message	B.2.4-7b	4E-05	4E-05
Piso 1	B490	33	V(30x45)	1.98333	No Message	B.2.4-7b	4E-05	4E-05
Piso 1	B490	33	V(30x45)	2.27	No Message	B.2.4-7b	4E-05	4E-05
Piso 1	B490	33	V(30x45)	2.55667	No Message	B.2.4-7b	4E-05	4E-05
Piso 1	B490	33	V(30x45)	2.55667	No Message	B.2.4-7b	4E-05	4E-05
Piso 1	B490	33	V(30x45)	2.91	No Message	B.2.4-7b	4E-05	4E-05
Piso 1	B490	33	V(30x45)	2.91	No Message	B.2.4-7b	4E-05	4E-05
Piso 1	B490	33	V(30x45)	3.13	No Message	B.2.4-7b	4E-05	4E-05
Piso 1	B490	33	V(30x45)	3.13	No Message	B.2.4-7b	4.1E-05	4.1E-05
Piso 1	B490	33	V(30x45)	3.41667	No Message	B.2.4-7b	4.1E-05	4.1E-05
Piso 1	B490	33	V(30x45)	3.70333	No Message	B.2.4-7b	4.1E-05	4.1E-05
Piso 1	B490	33	V(30x45)	3.70333	No Message	B.2.4-7b	4.4E-05	4.4E-05
Piso 1	B490	33	V(30x45)	3.88	No Message	B.2.4-7b	4.4E-05	4.4E-05
Piso 1	B490	33	V(30x45)	3.88	No Message	B.2.4-7a	4.9E-05	4.9E-05
Piso 1	B490	33	V(30x45)	4.27667	No Message	B.2.4-7a	4.9E-05	4.9E-05
Piso 1	B490	33	V(30x45)	4.27667	No Message	B.2.4-5	6.9E-05	6.9E-05
Piso 1	B490	33	V(30x45)	4.65	No Message	B.2.4-5	0.000133	0.000133
Piso 1	B491	34	V(30x45)	0.2	No Message	B.2.4-7a	0.000109	0.000109
Piso 1	B491	34	V(30x45)	0.585	No Message	B.2.4-5	0.000199	0.000199
Piso 1	B491	34	V(30x45)	0.97	No Message	B.2.4-2	0.000349	0.000349
Piso 1	B491	34	V(30x45)	0.97	No Message	B.2.4-2	0.000349	0.000349

Table: Concrete Beam Design Summary - ACI 318-08, Part 1 of 4

Story	Label	UniqueName	DesignSect	Station	Status	AsTopCombo	AsMinTop	AsTop
Unitless	Unitless	Unitless	Unitless	m	Unitless	Unitless	m²	m²
Piso 1	B491	34	V(30x45)	1.41	No Message	B.2.4-2	0.000402	0.000444
Piso 1	B491	34	V(30x45)	1.41	No Message	B.2.4-2	0.000402	0.000763
Piso 1	B491	34	V(30x45)	1.675	No Message	B.2.4-5b	0.000402	0.000402
Piso 1	B491	34	V(30x45)	1.94	No Message	B.2.4-2	0.00014	0.00014
Piso 1	B491	34	V(30x45)	1.94	No Message	B.2.4-2	0.000147	0.000147
Piso 1	B491	34	V(30x45)	2.425	No Message	B.2.4-2	0.000147	0.000147
Piso 1	B491	34	V(30x45)	2.91	No Message	B.2.4-2	0.000147	0.000147
Piso 1	B491	34	V(30x45)	2.91	No Message	B.2.4-2	0.00015	0.00015
Piso 1	B491	34	V(30x45)	3.395	No Message	B.2.4-2	0.00015	0.00015
Piso 1	B491	34	V(30x45)	3.88	No Message	B.2.4-2	0.00015	0.00015
Piso 1	B491	34	V(30x45)	3.88	No Message	B.2.4-2	0.000146	0.000146
Piso 1	B491	34	V(30x45)	4.265	No Message	B.2.4-2	0.000146	0.000146
Piso 1	B491	34	V(30x45)	4.65	No Message	B.2.4-2	0.000402	0.000462
Piso 1	B492	35	V(30x45)	0.2	No Message	B.2.4-7a	5.5E-05	5.5E-05
Piso 1	B492	35	V(30x45)	0.47	No Message	B.2.4-7a	3.2E-05	3.2E-05
Piso 1	B492	35	V(30x45)	0.47	No Message	B.2.4-7a	2.7E-05	2.7E-05
Piso 1	B492	35	V(30x45)	0.94	No Message	B.2.4-7a	2.7E-05	2.7E-05
Piso 1	B492	35	V(30x45)	0.94	No Message	B.2.4-7a	3.1E-05	3.1E-05
Piso 1	B492	35	V(30x45)	0.97	No Message	B.2.4-7a	3.1E-05	3.1E-05
Piso 1	B492	35	V(30x45)	0.97	No Message	B.2.4-7a	2.7E-05	2.7E-05
Piso 1	B492	35	V(30x45)	1.41	No Message	B.2.4-5	2.8E-05	2.8E-05
Piso 1	B492	35	V(30x45)	1.41	No Message	B.2.4-5	2.9E-05	2.9E-05
Piso 1	B492	35	V(30x45)	1.675	No Message	B.2.4-7a	2.7E-05	2.7E-05
Piso 1	B492	35	V(30x45)	1.94	No Message	B.2.4-7a	2.7E-05	2.7E-05
Piso 1	B492	35	V(30x45)	1.94	No Message	B.2.4-7a	2.6E-05	2.6E-05
Piso 1	B492	35	V(30x45)	1.98333	No Message	B.2.4-7a	2.6E-05	2.6E-05
Piso 1	B492	35	V(30x45)	1.98333	No Message	B.2.4-7a	2.6E-05	2.6E-05
Piso 1	B492	35	V(30x45)	2.27	No Message	B.2.4-7a	2.6E-05	2.6E-05
Piso 1	B492	35	V(30x45)	2.55667	No Message	B.2.4-7a	2.6E-05	2.6E-05
Piso 1	B492	35	V(30x45)	2.55667	No Message	B.2.4-7a	2.9E-05	2.9E-05
Piso 1	B492	35	V(30x45)	2.91	No Message	B.2.4-7a	2.9E-05	2.9E-05
Piso 1	B492	35	V(30x45)	2.91	No Message	B.2.4-7a	2.9E-05	2.9E-05
Piso 1	B492	35	V(30x45)	3.13	No Message	B.2.4-7a	2.9E-05	2.9E-05
Piso 1	B492	35	V(30x45)	3.13	No Message	B.2.4-7a	3E-05	3E-05
Piso 1	B492	35	V(30x45)	3.41667	No Message	B.2.4-7a	3E-05	3E-05
Piso 1	B492	35	V(30x45)	3.70333	No Message	B.2.4-7a	3E-05	3E-05
Piso 1	B492	35	V(30x45)	3.70333	No Message	B.2.4-7a	3.4E-05	3.4E-05
Piso 1	B492	35	V(30x45)	3.88	No Message	B.2.4-7a	3.4E-05	3.4E-05
Piso 1	B492	35	V(30x45)	3.88	No Message	B.2.4-7a	3.9E-05	3.9E-05
Piso 1	B492	35	V(30x45)	4.27667	No Message	B.2.4-7a	3.9E-05	3.9E-05
Piso 1	B492	35	V(30x45)	4.27667	No Message	B.2.4-5	5.1E-05	5.1E-05
Piso 1	B492	35	V(30x45)	4.65	No Message	B.2.4-5b	9.8E-05	9.8E-05
Piso 1	B497	37	V(30x45)	0.2	No Message	B.2.4-5b	0.000402	0.000402
Piso 1	B497	37	V(30x45)	0.667	No Message	B.2.4-5b	0.000246	0.000246
Piso 1	B497	37	V(30x45)	1.134	No Message	B.2.4-2	0.000133	0.000133
Piso 1	B497	37	V(30x45)	1.601	No Message	B.2.4-2	0.000133	0.000133
Piso 1	B497	37	V(30x45)	2.068	No Message	B.2.4-2	0.000133	0.000133
Piso 1	B497	37	V(30x45)	2.535	No Message	B.2.4-2	0.000133	0.000133
Piso 1	B497	37	V(30x45)	3.002	No Message	B.2.4-2	0.000133	0.000133
Piso 1	B497	37	V(30x45)	3.469	No Message	B.2.4-2	0.000133	0.000133
Piso 1	B497	37	V(30x45)	3.936	No Message	B.2.4-2	0.000133	0.000133
Piso 1	B497	37	V(30x45)	4.403	No Message	B.2.4-5	0.000199	0.000199
Piso 1	B497	37	V(30x45)	4.87	No Message	B.2.4-5b	0.000402	0.000402

Table: Concrete Beam Design Summary - ACI 318-08, Part 1 of 4

Story	Label	UniqueName	DesignSect	Station	Status	AsTopCombo	AsMinTop	AsTop
Unitless	Unitless	Unitless	Unitless	m	Unitless	Unitless	m²	m²
Piso 1	B498	38	V(30x45)	0.2	No Message	B.2.4-5b	0.000402	0.000402
Piso 1	B498	38	V(30x45)	0.668	No Message	B.2.4-5b	0.000205	0.000205
Piso 1	B498	38	V(30x45)	1.136	No Message	B.2.4-5b	0.000114	0.000114
Piso 1	B498	38	V(30x45)	1.604	No Message	B.2.4-5b	0.000114	0.000114
Piso 1	B498	38	V(30x45)	2.072	No Message	B.2.4-5b	0.000114	0.000114
Piso 1	B498	38	V(30x45)	2.54	No Message	B.2.4-5b	0.000114	0.000114
Piso 1	B498	38	V(30x45)	3.008	No Message	B.2.4-5b	0.000114	0.000114
Piso 1	B498	38	V(30x45)	3.476	No Message	B.2.4-5b	0.000114	0.000114
Piso 1	B498	38	V(30x45)	3.944	No Message	B.2.4-5b	0.000114	0.000114
Piso 1	B498	38	V(30x45)	4.412	No Message	B.2.4-5	0.000154	0.000154
Piso 1	B498	38	V(30x45)	4.88	No Message	B.2.4-2	0.00039	0.00039
Piso 1	B500	39	V(30x45)	0.2	No Message	B.2.4-5b	0.000161	0.000161
Piso 1	B500	39	V(30x45)	0.6375	No Message	B.2.4-5b	0.000102	0.000102
Piso 1	B500	39	V(30x45)	0.6375	No Message	B.2.4-5b	9E-05	9E-05
Piso 1	B500	39	V(30x45)	0.95625	No Message	B.2.4-5b	9E-05	9E-05
Piso 1	B500	39	V(30x45)	1.275	No Message	B.2.4-5b	9E-05	9E-05
Piso 1	B500	39	V(30x45)	1.275	No Message	B.2.4-5b	8.5E-05	8.5E-05
Piso 1	B500	39	V(30x45)	1.59375	No Message	B.2.4-5b	8.5E-05	8.5E-05
Piso 1	B500	39	V(30x45)	1.9125	No Message	B.2.4-5b	8.5E-05	8.5E-05
Piso 1	B500	39	V(30x45)	1.9125	No Message	B.2.4-5b	7.7E-05	7.7E-05
Piso 1	B500	39	V(30x45)	2.23125	No Message	B.2.4-5b	7.7E-05	7.7E-05
Piso 1	B500	39	V(30x45)	2.55	No Message	B.2.4-5b	5.7E-05	5.7E-05
Piso 1	B501	40	V(30x45)	0	No Message	B.2.4-7b	4E-05	4E-05
Piso 1	B501	40	V(30x45)	0.2594	No Message	B.2.4-7b	5.3E-05	5.3E-05
Piso 1	B501	40	V(30x45)	0.5188	No Message	B.2.4-7b	5.3E-05	5.3E-05
Piso 1	B501	40	V(30x45)	0.5188	No Message	B.2.4-5b	5.8E-05	5.8E-05
Piso 1	B501	40	V(30x45)	0.77815	No Message	B.2.4-5b	5.8E-05	5.8E-05
Piso 1	B501	40	V(30x45)	1.0375	No Message	B.2.4-5b	5.8E-05	5.8E-05
Piso 1	B501	40	V(30x45)	1.0375	No Message	B.2.4-5b	6E-05	6E-05
Piso 1	B501	40	V(30x45)	1.29685	No Message	B.2.4-5b	6E-05	6E-05
Piso 1	B501	40	V(30x45)	1.5562	No Message	B.2.4-5b	6E-05	6E-05
Piso 1	B501	40	V(30x45)	1.5562	No Message	B.2.4-5b	5.6E-05	5.6E-05
Piso 1	B501	40	V(30x45)	1.8156	No Message	B.2.4-5b	5.6E-05	5.6E-05
Piso 1	B501	40	V(30x45)	2.075	No Message	B.2.4-5b	5.6E-05	5.6E-05
Piso 1	B501	40	V(30x45)	2.075	No Message	B.2.4-7b	5.2E-05	5.2E-05
Piso 1	B501	40	V(30x45)	2.3344	No Message	B.2.4-7b	5.2E-05	5.2E-05
Piso 1	B501	40	V(30x45)	2.5938	No Message	B.2.4-7b	5.2E-05	5.2E-05
Piso 1	B501	40	V(30x45)	2.5938	No Message	B.2.4-7b	4.8E-05	4.8E-05
Piso 1	B501	40	V(30x45)	2.85315	No Message	B.2.4-7b	4.8E-05	4.8E-05
Piso 1	B501	40	V(30x45)	3.1125	No Message	B.2.4-7b	4.8E-05	4.8E-05
Piso 1	B501	40	V(30x45)	3.1125	No Message	B.2.4-7b	4.4E-05	4.4E-05
Piso 1	B501	40	V(30x45)	3.3719	No Message	B.2.4-7b	4.4E-05	4.4E-05
Piso 1	B501	40	V(30x45)	3.6313	No Message	B.2.4-7b	4.4E-05	4.4E-05
Piso 1	B501	40	V(30x45)	3.6313	No Message	B.2.4-7b	4.3E-05	4.3E-05
Piso 1	B501	40	V(30x45)	3.95	No Message	B.2.4-7a	6.5E-05	6.5E-05
Piso 1	B507	41	V(30x45)	0.2	No Message	B.2.4-7b	7.7E-05	7.7E-05
Piso 1	B507	41	V(30x45)	0.6338	No Message	B.2.4-7b	5.3E-05	5.3E-05
Piso 1	B507	41	V(30x45)	0.6338	No Message	B.2.4-7b	5.3E-05	5.3E-05
Piso 1	B507	41	V(30x45)	0.95065	No Message	B.2.4-7b	5.3E-05	5.3E-05
Piso 1	B507	41	V(30x45)	1.2675	No Message	B.2.4-7b	5.3E-05	5.3E-05
Piso 1	B507	41	V(30x45)	1.2675	No Message	B.2.4-7b	5.3E-05	5.3E-05
Piso 1	B507	41	V(30x45)	1.5844	No Message	B.2.4-7b	5.3E-05	5.3E-05
Piso 1	B507	41	V(30x45)	1.9013	No Message	B.2.4-7b	5.3E-05	5.3E-05

Table: Concrete Beam Design Summary - ACI 318-08, Part 1 of 4

Story	Label	UniqueName	DesignSect	Station	Status	AsTopCombo	AsMinTop	AsTop
Unitless	Unitless	Unitless	Unitless	m	Unitless	Unitless	m²	m²
Piso 1	B507	41	V(30x45)	1.9013	No Message	B.2.4-7b	5.4E-05	5.4E-05
Piso 1	B507	41	V(30x45)	2.21815	No Message	B.2.4-7b	5.4E-05	5.4E-05
Piso 1	B507	41	V(30x45)	2.535	No Message	B.2.4-7b	5.4E-05	5.4E-05
Piso 1	B507	41	V(30x45)	2.535	No Message	B.2.4-7b	5.5E-05	5.5E-05
Piso 1	B507	41	V(30x45)	2.8519	No Message	B.2.4-7b	5.5E-05	5.5E-05
Piso 1	B507	41	V(30x45)	3.1688	No Message	B.2.4-7b	5.5E-05	5.5E-05
Piso 1	B507	41	V(30x45)	3.1688	No Message	B.2.4-7b	5.4E-05	5.4E-05
Piso 1	B507	41	V(30x45)	3.48565	No Message	B.2.4-7b	5.4E-05	5.4E-05
Piso 1	B507	41	V(30x45)	3.8025	No Message	B.2.4-7b	5.4E-05	5.4E-05
Piso 1	B507	41	V(30x45)	3.8025	No Message	B.2.4-7b	5E-05	5E-05
Piso 1	B507	41	V(30x45)	4.11935	No Message	B.2.4-7b	5E-05	5E-05
Piso 1	B507	41	V(30x45)	4.4362	No Message	B.2.4-7b	5E-05	5E-05
Piso 1	B507	41	V(30x45)	4.4362	No Message	B.2.4-7b	4.2E-05	4.2E-05
Piso 1	B507	41	V(30x45)	4.87	No Message	B.2.4-7a	6E-05	6E-05
Piso 1	B508	42	V(30x45)	0.2	No Message	B.2.4-7b	7.2E-05	7.2E-05
Piso 1	B508	42	V(30x45)	0.635	No Message	B.2.4-5b	5.3E-05	5.3E-05
Piso 1	B508	42	V(30x45)	0.635	No Message	B.2.4-5b	6E-05	6E-05
Piso 1	B508	42	V(30x45)	0.9525	No Message	B.2.4-5b	6E-05	6E-05
Piso 1	B508	42	V(30x45)	1.27	No Message	B.2.4-5b	6E-05	6E-05
Piso 1	B508	42	V(30x45)	1.27	No Message	B.2.4-5b	6.4E-05	6.4E-05
Piso 1	B508	42	V(30x45)	1.5875	No Message	B.2.4-5b	6.4E-05	6.4E-05
Piso 1	B508	42	V(30x45)	1.905	No Message	B.2.4-5b	6.4E-05	6.4E-05
Piso 1	B508	42	V(30x45)	1.905	No Message	B.2.4-5b	6.5E-05	6.5E-05
Piso 1	B508	42	V(30x45)	2.2225	No Message	B.2.4-5b	6.5E-05	6.5E-05
Piso 1	B508	42	V(30x45)	2.54	No Message	B.2.4-5b	6.5E-05	6.5E-05
Piso 1	B508	42	V(30x45)	2.54	No Message	B.2.4-5b	6.3E-05	6.3E-05
Piso 1	B508	42	V(30x45)	2.8575	No Message	B.2.4-5b	6.3E-05	6.3E-05
Piso 1	B508	42	V(30x45)	3.175	No Message	B.2.4-5b	6.3E-05	6.3E-05
Piso 1	B508	42	V(30x45)	3.175	No Message	B.2.4-5	5.8E-05	5.8E-05
Piso 1	B508	42	V(30x45)	3.4925	No Message	B.2.4-5	5.8E-05	5.8E-05
Piso 1	B508	42	V(30x45)	3.81	No Message	B.2.4-5	5.8E-05	5.8E-05
Piso 1	B508	42	V(30x45)	3.81	No Message	B.2.4-5	4.8E-05	4.8E-05
Piso 1	B508	42	V(30x45)	4.1275	No Message	B.2.4-5	4.8E-05	4.8E-05
Piso 1	B508	42	V(30x45)	4.445	No Message	B.2.4-5	4.8E-05	4.8E-05
Piso 1	B508	42	V(30x45)	4.445	No Message	B.2.4-7b	4E-05	4E-05
Piso 1	B508	42	V(30x45)	4.88	No Message	B.2.4-7a	7.1E-05	7.1E-05
Piso 1	B570	43	V(30x45)	0	No Message	B.2.4-7b	3.5E-05	3.5E-05
Piso 1	B570	43	V(30x45)	0.2594	No Message	B.2.4-5b	4.3E-05	4.3E-05
Piso 1	B570	43	V(30x45)	0.5188	No Message	B.2.4-5b	4.3E-05	4.3E-05
Piso 1	B570	43	V(30x45)	0.5188	No Message	B.2.4-5b	5.2E-05	5.2E-05
Piso 1	B570	43	V(30x45)	0.77815	No Message	B.2.4-5b	5.2E-05	5.2E-05
Piso 1	B570	43	V(30x45)	1.0375	No Message	B.2.4-5b	5.2E-05	5.2E-05
Piso 1	B570	43	V(30x45)	1.0375	No Message	B.2.4-5b	5.8E-05	5.8E-05
Piso 1	B570	43	V(30x45)	1.29685	No Message	B.2.4-5b	5.7E-05	5.7E-05
Piso 1	B570	43	V(30x45)	1.5562	No Message	B.2.4-5b	5.7E-05	5.7E-05
Piso 1	B570	43	V(30x45)	1.5562	No Message	B.2.4-5b	5.7E-05	5.7E-05
Piso 1	B570	43	V(30x45)	1.8156	No Message	B.2.4-5b	5.7E-05	5.7E-05
Piso 1	B570	43	V(30x45)	2.075	No Message	B.2.4-5b	5.7E-05	5.7E-05
Piso 1	B570	43	V(30x45)	2.075	No Message	B.2.4-5b	5.5E-05	5.5E-05
Piso 1	B570	43	V(30x45)	2.3344	No Message	B.2.4-5b	5.5E-05	5.5E-05
Piso 1	B570	43	V(30x45)	2.5938	No Message	B.2.4-5b	5.5E-05	5.5E-05
Piso 1	B570	43	V(30x45)	2.5938	No Message	B.2.4-5b	5.1E-05	5.1E-05
Piso 1	B570	43	V(30x45)	2.85315	No Message	B.2.4-5b	5.1E-05	5.1E-05

Table: Concrete Beam Design Summary - ACI 318-08, Part 1 of 4

Story	Label	UniqueName	DesignSect	Station	Status	AsTopCombo	AsMinTop	AsTop
Unitless	Unitless	Unitless	Unitless	m	Unitless	Unitless	m²	m²
Piso 1	B570	43	V(30x45)	3.1125	No Message	B.2.4-5b	5.1E-05	5.1E-05
Piso 1	B570	43	V(30x45)	3.1125	No Message	B.2.4-7b	4.8E-05	4.8E-05
Piso 1	B570	43	V(30x45)	3.3719	No Message	B.2.4-7b	4.8E-05	4.8E-05
Piso 1	B570	43	V(30x45)	3.6313	No Message	B.2.4-7b	4.8E-05	4.8E-05
Piso 1	B570	43	V(30x45)	3.6313	No Message	B.2.4-7b	5E-05	5E-05
Piso 1	B570	43	V(30x45)	3.89065	No Message	B.2.4-7b	5E-05	5E-05
Piso 1	B570	43	V(30x45)	4.15	No Message	B.2.4-7b	5.1E-05	5.1E-05
Piso 1	B571	44	V(30x45)	0	No Message	B.2.4-7b	4.1E-05	4.1E-05
Piso 1	B571	44	V(30x45)	0.3169	No Message	B.2.4-7b	3.6E-05	3.6E-05
Piso 1	B571	44	V(30x45)	0.6338	No Message	B.2.4-7b	3.6E-05	3.6E-05
Piso 1	B571	44	V(30x45)	0.6338	No Message	B.2.4-7b	4E-05	4E-05
Piso 1	B571	44	V(30x45)	0.95065	No Message	B.2.4-7b	4E-05	4E-05
Piso 1	B571	44	V(30x45)	1.2675	No Message	B.2.4-7b	4E-05	4E-05
Piso 1	B571	44	V(30x45)	1.2675	No Message	B.2.4-7b	4.4E-05	4.4E-05
Piso 1	B571	44	V(30x45)	1.5844	No Message	B.2.4-7b	4.4E-05	4.4E-05
Piso 1	B571	44	V(30x45)	1.9013	No Message	B.2.4-7b	4.5E-05	4.5E-05
Piso 1	B571	44	V(30x45)	1.9013	No Message	B.2.4-7b	4.8E-05	4.8E-05
Piso 1	B571	44	V(30x45)	2.21815	No Message	B.2.4-7b	4.8E-05	4.8E-05
Piso 1	B571	44	V(30x45)	2.535	No Message	B.2.4-7b	4.9E-05	4.9E-05
Piso 1	B571	44	V(30x45)	2.535	No Message	B.2.4-7b	5E-05	5E-05
Piso 1	B571	44	V(30x45)	2.8519	No Message	B.2.4-7b	5E-05	5E-05
Piso 1	B571	44	V(30x45)	3.1688	No Message	B.2.4-7b	5.2E-05	5.2E-05
Piso 1	B571	44	V(30x45)	3.1688	No Message	B.2.4-7b	5.3E-05	5.3E-05
Piso 1	B571	44	V(30x45)	3.48565	No Message	B.2.4-7b	5.2E-05	5.2E-05
Piso 1	B571	44	V(30x45)	3.8025	No Message	B.2.4-5b	5.5E-05	5.5E-05
Piso 1	B571	44	V(30x45)	3.8025	No Message	B.2.4-7b	5.5E-05	5.5E-05
Piso 1	B571	44	V(30x45)	4.11935	No Message	B.2.4-7a	5.3E-05	5.3E-05
Piso 1	B571	44	V(30x45)	4.4362	No Message	B.2.4-5	6E-05	6E-05
Piso 1	B571	44	V(30x45)	4.4362	No Message	B.2.4-7a	5.7E-05	5.7E-05
Piso 1	B571	44	V(30x45)	4.7531	No Message	B.2.4-7a	5.3E-05	5.3E-05
Piso 1	B571	44	V(30x45)	5.07	No Message	B.2.4-7a	4.9E-05	4.9E-05
Piso 1	B572	45	V(30x45)	0	No Message	B.2.4-7b	3.3E-05	3.3E-05
Piso 1	B572	45	V(30x45)	0.3175	No Message	B.2.4-5b	4E-05	4E-05
Piso 1	B572	45	V(30x45)	0.635	No Message	B.2.4-5b	4.8E-05	4.8E-05
Piso 1	B572	45	V(30x45)	0.635	No Message	B.2.4-5b	5.7E-05	5.7E-05
Piso 1	B572	45	V(30x45)	0.9525	No Message	B.2.4-5	4.9E-05	4.9E-05
Piso 1	B572	45	V(30x45)	1.27	No Message	B.2.4-5	5.3E-05	5.3E-05
Piso 1	B572	45	V(30x45)	1.27	No Message	B.2.4-5	5.6E-05	5.6E-05
Piso 1	B572	45	V(30x45)	1.5875	No Message	B.2.4-5	5.4E-05	5.4E-05
Piso 1	B572	45	V(30x45)	1.905	No Message	B.2.4-5	5.5E-05	5.5E-05
Piso 1	B572	45	V(30x45)	1.905	No Message	B.2.4-5	5.6E-05	5.6E-05
Piso 1	B572	45	V(30x45)	2.2225	No Message	B.2.4-5	5.5E-05	5.5E-05
Piso 1	B572	45	V(30x45)	2.54	No Message	B.2.4-5	5.6E-05	5.6E-05
Piso 1	B572	45	V(30x45)	2.54	No Message	B.2.4-5	5.6E-05	5.6E-05
Piso 1	B572	45	V(30x45)	2.8575	No Message	B.2.4-5	5.5E-05	5.5E-05
Piso 1	B572	45	V(30x45)	3.175	No Message	B.2.4-5	5.5E-05	5.5E-05
Piso 1	B572	45	V(30x45)	3.175	No Message	B.2.4-5	5.3E-05	5.3E-05
Piso 1	B572	45	V(30x45)	3.4925	No Message	B.2.4-5	5.1E-05	5.1E-05
Piso 1	B572	45	V(30x45)	3.81	No Message	B.2.4-5	5.1E-05	5.1E-05
Piso 1	B572	45	V(30x45)	3.81	No Message	B.2.4-5	4.7E-05	4.7E-05
Piso 1	B572	45	V(30x45)	4.1275	No Message	B.2.4-5	4.4E-05	4.4E-05
Piso 1	B572	45	V(30x45)	4.445	No Message	B.2.4-5	4.4E-05	4.4E-05
Piso 1	B572	45	V(30x45)	4.445	No Message	B.2.4-7a	3.3E-05	3.3E-05

Table: Concrete Beam Design Summary - ACI 318-08, Part 1 of 4

Story	Label	UniqueName	DesignSect	Station	Status	AsTopCombo	AsMinTop	AsTop
Unitless	Unitless	Unitless	Unitless	m	Unitless	Unitless	m²	m²
Piso 1	B572	45	V(30x45)	4.7625	No Message	B.2.4-7a	3.3E-05	3.3E-05
Piso 1	B572	45	V(30x45)	5.08	No Message	B.2.4-7a	3E-05	3E-05
Piso 1	B573	46	V(30x45)	0	No Message	B.2.4-7b	1.3E-05	1.3E-05
Piso 1	B573	46	V(30x45)	0.31875	No Message	B.2.4-7b	1.6E-05	1.6E-05
Piso 1	B573	46	V(30x45)	0.6375	No Message	B.2.4-7b	1.6E-05	1.6E-05
Piso 1	B573	46	V(30x45)	0.6375	No Message	B.2.4-5b	2.3E-05	2.3E-05
Piso 1	B573	46	V(30x45)	0.95625	No Message	B.2.4-5b	2.3E-05	2.3E-05
Piso 1	B573	46	V(30x45)	1.275	No Message	B.2.4-5b	2.8E-05	2.8E-05
Piso 1	B573	46	V(30x45)	1.275	No Message	B.2.4-5b	3.5E-05	3.5E-05
Piso 1	B573	46	V(30x45)	1.59375	No Message	B.2.4-5b	3.6E-05	3.6E-05
Piso 1	B573	46	V(30x45)	1.9125	No Message	B.2.4-5b	4.8E-05	4.8E-05
Piso 1	B573	46	V(30x45)	1.9125	No Message	B.2.4-5b	4.7E-05	4.7E-05
Piso 1	B573	46	V(30x45)	2.23125	No Message	B.2.4-5b	3.1E-05	3.1E-05
Piso 1	B573	46	V(30x45)	2.55	No Message	B.2.4-7b	2.8E-05	2.8E-05
Piso 1	B477	47	V(30x45)	0	No Message	B.2.4-7b	3E-06	3E-06
Piso 1	B477	47	V(30x45)	0.26	No Message	B.2.4-7b	2.1E-05	2.1E-05
Piso 1	B477	47	V(30x45)	0.52	No Message	B.2.4-7b	2.1E-05	2.1E-05
Piso 1	B477	47	V(30x45)	0.52	No Message	B.2.4-7b	2.3E-05	2.3E-05
Piso 1	B477	47	V(30x45)	0.92	No Message	B.2.4-7b	2.3E-05	2.3E-05
Piso 1	B477	47	V(30x45)	0.92	No Message	B.2.4-7b	3.2E-05	3.2E-05
Piso 1	B477	47	V(30x45)	1.18	No Message	B.2.4-7b	3.2E-05	3.2E-05
Piso 1	B477	47	V(30x45)	1.18	No Message	B.2.4-7a	3.2E-05	3.2E-05
Piso 1	B477	47	V(30x45)	1.64	No Message	B.2.4-7a	7.2E-05	7.2E-05
Piso 1	B481	48	V(30x45)	0	No Message	B.2.4-5	2.1E-05	2.1E-05
Piso 1	B481	48	V(30x45)	0.26	No Message	B.2.4-7a	2.5E-05	2.5E-05
Piso 1	B481	48	V(30x45)	0.52	No Message	B.2.4-7a	2.5E-05	2.5E-05
Piso 1	B481	48	V(30x45)	0.52	No Message	B.2.4-7a	2.5E-05	2.5E-05
Piso 1	B481	48	V(30x45)	0.92	No Message	B.2.4-7a	2.5E-05	2.5E-05
Piso 1	B481	48	V(30x45)	0.92	No Message	B.2.4-7b	2.8E-05	2.8E-05
Piso 1	B481	48	V(30x45)	1.18	No Message	B.2.4-7b	2.8E-05	2.8E-05
Piso 1	B481	48	V(30x45)	1.18	No Message	B.2.4-7b	3E-05	3E-05
Piso 1	B481	48	V(30x45)	1.64	No Message	B.2.4-7b	7.9E-05	7.9E-05
Piso 1	B483	49	V(30x45)	0	No Message	B.2.4-2	0.000289	0.000289
Piso 1	B483	49	V(30x45)	0.46	No Message	B.2.4-5b	7.2E-05	7.2E-05
Piso 1	B483	49	V(30x45)	0.92	No Message	B.2.4-5b	7.2E-05	7.2E-05
Piso 1	B483	49	V(30x45)	0.92	No Message	B.2.4-5b	7.5E-05	7.5E-05
Piso 1	B483	49	V(30x45)	1.28	No Message	B.2.4-5b	7.5E-05	7.5E-05
Piso 1	B483	49	V(30x45)	1.64	No Message	B.2.4-7a	9.7E-05	9.7E-05
Piso 1	B575	50	V(30x45)	0	No Message	B.2.4-5	9E-06	9E-06
Piso 1	B575	50	V(30x45)	0.26	No Message	B.2.4-7a	1.6E-05	1.6E-05
Piso 1	B575	50	V(30x45)	0.52	No Message	B.2.4-7a	1.6E-05	1.6E-05
Piso 1	B575	50	V(30x45)	0.52	No Message	B.2.4-7a	1.7E-05	1.7E-05
Piso 1	B575	50	V(30x45)	0.92	No Message	B.2.4-7a	1.7E-05	1.7E-05
Piso 1	B575	50	V(30x45)	0.92	No Message	B.2.4-7a	1.8E-05	1.8E-05
Piso 1	B575	50	V(30x45)	1.18	No Message	B.2.4-7a	1.8E-05	1.8E-05
Piso 1	B575	50	V(30x45)	1.18	No Message	B.2.4-7a	2E-05	2E-05
Piso 1	B575	50	V(30x45)	1.64	No Message	B.2.4-7a	4.7E-05	4.7E-05
Piso 1	B581	51	V(18x45)	0	No Message	B.2.4-2	0.000241	0.000274
Piso 1	B581	51	V(18x45)	0.46182	No Message	B.2.4-2	0.000168	0.000168
Piso 1	B581	51	V(18x45)	0.92364	No Message	B.2.4-2	8.4E-05	8.4E-05
Piso 1	B581	51	V(18x45)	1.38545	No Message	B.2.4-2	8.4E-05	8.4E-05
Piso 1	B581	51	V(18x45)	1.84727	No Message	B.2.4-2	8.4E-05	8.4E-05
Piso 1	B581	51	V(18x45)	2.30909	No Message	B.2.4-2	8.4E-05	8.4E-05

Table: Concrete Beam Design Summary - ACI 318-08, Part 1 of 4

Story	Label	UniqueName	DesignSect	Station	Status	AsTopCombo	AsMinTop	AsTop
Unitless	Unitless	Unitless	Unitless	m	Unitless	Unitless	m²	m²
Piso 1	B581	51	V(18x45)	2.77091	No Message	B.2.4-2	8.4E-05	8.4E-05
Piso 1	B581	51	V(18x45)	3.23273	No Message	B.2.4-2	8.4E-05	8.4E-05
Piso 1	B581	51	V(18x45)	3.69455	No Message	B.2.4-2	8.4E-05	8.4E-05
Piso 1	B581	51	V(18x45)	4.15636	No Message	B.2.4-2	8.4E-05	8.4E-05
Piso 1	B581	51	V(18x45)	4.61818	No Message	B.2.4-2	0.000159	0.000159
Piso 1	B581	51	V(18x45)	5.08	No Message	B.2.4-2	0.000241	0.000265
Piso 1	B582	52	V(18x45)	0	No Message	B.2.4-2	0.000241	0.000311
Piso 1	B582	52	V(18x45)	0.46182	No Message	B.2.4-2	0.000172	0.000172
Piso 1	B582	52	V(18x45)	0.92364	No Message	B.2.4-2	0.000109	0.000109
Piso 1	B582	52	V(18x45)	1.38545	No Message	B.2.4-2	0.000109	0.000109
Piso 1	B582	52	V(18x45)	1.84727	No Message	B.2.4-2	0.000109	0.000109
Piso 1	B582	52	V(18x45)	2.30909	No Message	B.2.4-2	0.000109	0.000109
Piso 1	B582	52	V(18x45)	2.77091	No Message	B.2.4-2	0.000109	0.000109
Piso 1	B582	52	V(18x45)	3.23273	No Message	B.2.4-2	0.000109	0.000109
Piso 1	B582	52	V(18x45)	3.69455	No Message	B.2.4-2	0.000109	0.000109
Piso 1	B582	52	V(18x45)	4.15636	No Message	B.2.4-2	0.000109	0.000109
Piso 1	B582	52	V(18x45)	4.61818	No Message	B.2.4-2	0.000229	0.000229
Piso 1	B582	52	V(18x45)	5.08	No Message	B.2.4-2	0.000241	0.000366
Piso 1	B583	53	V(18x45)	0	No Message	B.2.4-2	0.000241	0.000331
Piso 1	B583	53	V(18x45)	0.46182	No Message	B.2.4-2	0.000194	0.000194
Piso 1	B583	53	V(18x45)	0.92364	No Message	B.2.4-2	0.000108	0.000108
Piso 1	B583	53	V(18x45)	1.38545	No Message	B.2.4-2	0.000108	0.000108
Piso 1	B583	53	V(18x45)	1.84727	No Message	B.2.4-2	0.000108	0.000108
Piso 1	B583	53	V(18x45)	2.30909	No Message	B.2.4-2	0.000108	0.000108
Piso 1	B583	53	V(18x45)	2.77091	No Message	B.2.4-2	0.000108	0.000108
Piso 1	B583	53	V(18x45)	3.23273	No Message	B.2.4-2	0.000108	0.000108
Piso 1	B583	53	V(18x45)	3.69455	No Message	B.2.4-2	0.000108	0.000108
Piso 1	B583	53	V(18x45)	4.15636	No Message	B.2.4-2	0.000108	0.000108
Piso 1	B583	53	V(18x45)	4.61818	No Message	B.2.4-2	0.000222	0.000222
Piso 1	B583	53	V(18x45)	5.08	No Message	B.2.4-2	0.000241	0.000357
Piso 1	B585	54	V(18x45)	0	No Message	B.2.4-2	0.000241	0.000352
Piso 1	B585	54	V(18x45)	0.46091	No Message	B.2.4-2	0.000241	0.000241
Piso 1	B585	54	V(18x45)	0.92182	No Message	B.2.4-2	0.000117	0.000117
Piso 1	B585	54	V(18x45)	1.38273	No Message	B.2.4-2	0.000117	0.000117
Piso 1	B585	54	V(18x45)	1.84364	No Message	B.2.4-2	0.000117	0.000117
Piso 1	B585	54	V(18x45)	2.30455	No Message	B.2.4-2	0.000117	0.000117
Piso 1	B585	54	V(18x45)	2.76545	No Message	B.2.4-2	0.000117	0.000117
Piso 1	B585	54	V(18x45)	3.22636	No Message	B.2.4-2	0.000117	0.000117
Piso 1	B585	54	V(18x45)	3.68727	No Message	B.2.4-2	0.000117	0.000117
Piso 1	B585	54	V(18x45)	4.14818	No Message	B.2.4-2	0.000117	0.000117
Piso 1	B585	54	V(18x45)	4.60909	No Message	B.2.4-2	0.000166	0.000166
Piso 1	B585	54	V(18x45)	5.07	No Message	B.2.4-2	0.000241	0.000263
Piso 1	B586	55	V(18x45)	0	No Message	B.2.4-2	0.000241	0.000449
Piso 1	B586	55	V(18x45)	0.46091	No Message	B.2.4-2	0.000241	0.000245
Piso 1	B586	55	V(18x45)	0.92182	No Message	B.2.4-2	0.000144	0.000144
Piso 1	B586	55	V(18x45)	1.38273	No Message	B.2.4-2	0.000144	0.000144
Piso 1	B586	55	V(18x45)	1.84364	No Message	B.2.4-2	0.000144	0.000144
Piso 1	B586	55	V(18x45)	2.30455	No Message	B.2.4-2	0.000144	0.000144
Piso 1	B586	55	V(18x45)	2.76545	No Message	B.2.4-2	0.000144	0.000144
Piso 1	B586	55	V(18x45)	3.22636	No Message	B.2.4-2	0.000144	0.000144
Piso 1	B586	55	V(18x45)	3.68727	No Message	B.2.4-2	0.000144	0.000144
Piso 1	B586	55	V(18x45)	4.14818	No Message	B.2.4-2	0.000144	0.000144
Piso 1	B586	55	V(18x45)	4.60909	No Message	B.2.4-2	0.000182	0.000182

Table: Concrete Beam Design Summary - ACI 318-08, Part 1 of 4

Story	Label	UniqueName	DesignSect	Station	Status	AsTopCombo	AsMinTop	AsTop
Unitless	Unitless	Unitless	Unitless	m	Unitless	Unitless	m²	m²
Piso 1	B586	55	V(18x45)	5.07	No Message	B.2.4-2	0.000241	0.00031
Piso 1	B587	56	V(18x45)	0	No Message	B.2.4-2	0.000241	0.000418
Piso 1	B587	56	V(18x45)	0.46091	No Message	B.2.4-5b	0.000241	0.000241
Piso 1	B587	56	V(18x45)	0.92182	No Message	B.2.4-2	0.000132	0.000132
Piso 1	B587	56	V(18x45)	1.38273	No Message	B.2.4-2	0.000132	0.000132
Piso 1	B587	56	V(18x45)	1.84364	No Message	B.2.4-2	0.000132	0.000132
Piso 1	B587	56	V(18x45)	2.30455	No Message	B.2.4-2	0.000132	0.000132
Piso 1	B587	56	V(18x45)	2.76545	No Message	B.2.4-2	0.000132	0.000132
Piso 1	B587	56	V(18x45)	3.22636	No Message	B.2.4-2	0.000132	0.000132
Piso 1	B587	56	V(18x45)	3.68727	No Message	B.2.4-2	0.000132	0.000132
Piso 1	B587	56	V(18x45)	4.14818	No Message	B.2.4-2	0.000132	0.000132
Piso 1	B587	56	V(18x45)	4.60909	No Message	B.2.4-2	0.000198	0.000198
Piso 1	B587	56	V(18x45)	5.07	No Message	B.2.4-2	0.000241	0.000327
Piso 1	B588	57	V(18x45)	0	No Message	B.2.4-7b	5E-06	5E-06
Piso 1	B588	57	V(18x45)	0.46111	No Message	B.2.4-2	0.00015	0.00015
Piso 1	B588	57	V(18x45)	0.92222	No Message	B.2.4-2	0.00015	0.00015
Piso 1	B588	57	V(18x45)	1.38333	No Message	B.2.4-2	0.00015	0.00015
Piso 1	B588	57	V(18x45)	1.84444	No Message	B.2.4-2	0.00015	0.00015
Piso 1	B588	57	V(18x45)	2.30556	No Message	B.2.4-2	0.00015	0.00015
Piso 1	B588	57	V(18x45)	2.76667	No Message	B.2.4-2	0.00015	0.00015
Piso 1	B588	57	V(18x45)	3.22778	No Message	B.2.4-2	0.00015	0.00015
Piso 1	B588	57	V(18x45)	3.68889	No Message	B.2.4-2	0.000241	0.00027
Piso 1	B588	57	V(18x45)	4.15	No Message	B.2.4-2	0.000241	0.000501
Piso 1	B589	58	V(18x45)	0	No Message	B.2.4-7b	1.5E-05	1.5E-05
Piso 1	B589	58	V(18x45)	0.46111	No Message	B.2.4-2	0.000175	0.000175
Piso 1	B589	58	V(18x45)	0.92222	No Message	B.2.4-2	0.000175	0.000175
Piso 1	B589	58	V(18x45)	1.38333	No Message	B.2.4-2	0.000175	0.000175
Piso 1	B589	58	V(18x45)	1.84444	No Message	B.2.4-2	0.000175	0.000175
Piso 1	B589	58	V(18x45)	2.30556	No Message	B.2.4-2	0.000175	0.000175
Piso 1	B589	58	V(18x45)	2.76667	No Message	B.2.4-2	0.000175	0.000175
Piso 1	B589	58	V(18x45)	3.22778	No Message	B.2.4-2	0.000175	0.000175
Piso 1	B589	58	V(18x45)	3.68889	No Message	B.2.4-2	0.000241	0.000326
Piso 1	B589	58	V(18x45)	4.15	No Message	B.2.4-2	0.000241	0.000578
Piso 1	B590	59	V(18x45)	0	No Message	B.2.4-7b	8E-06	8E-06
Piso 1	B590	59	V(18x45)	0.46111	No Message	B.2.4-2	0.000156	0.000156
Piso 1	B590	59	V(18x45)	0.92222	No Message	B.2.4-2	0.000156	0.000156
Piso 1	B590	59	V(18x45)	1.38333	No Message	B.2.4-2	0.000156	0.000156
Piso 1	B590	59	V(18x45)	1.84444	No Message	B.2.4-2	0.000156	0.000156
Piso 1	B590	59	V(18x45)	2.30556	No Message	B.2.4-2	0.000156	0.000156
Piso 1	B590	59	V(18x45)	2.76667	No Message	B.2.4-2	0.000156	0.000156
Piso 1	B590	59	V(18x45)	3.22778	No Message	B.2.4-2	0.000156	0.000156
Piso 1	B590	59	V(18x45)	3.68889	No Message	B.2.4-2	0.000241	0.000275
Piso 1	B590	59	V(18x45)	4.15	No Message	B.2.4-2	0.000241	0.000495
Piso 1	B591	60	V(18x45)	0	No Message	B.2.4-2	6.9E-05	6.9E-05
Piso 1	B591	60	V(18x45)	0.46111	No Message	B.2.4-2	0.000122	0.000122
Piso 1	B591	60	V(18x45)	0.92222	No Message	B.2.4-2	0.000122	0.000122
Piso 1	B591	60	V(18x45)	1.38333	No Message	B.2.4-2	0.000122	0.000122
Piso 1	B591	60	V(18x45)	1.84444	No Message	B.2.4-2	0.000122	0.000122
Piso 1	B591	60	V(18x45)	2.30556	No Message	B.2.4-2	0.000122	0.000122
Piso 1	B591	60	V(18x45)	2.76667	No Message	B.2.4-2	0.000122	0.000122
Piso 1	B591	60	V(18x45)	3.22778	No Message	B.2.4-2	0.000122	0.000122
Piso 1	B591	60	V(18x45)	3.68889	No Message	B.2.4-2	0.000241	0.000241
Piso 1	B591	60	V(18x45)	4.15	No Message	B.2.4-2	0.000241	0.000387

Table: Concrete Beam Design Summary - ACI 318-08, Part 1 of 4

Story	Label	UniqueName	DesignSect	Station	Status	AsTopCombo	AsMinTop	AsTop
Unitless	Unitless	Unitless	Unitless	m	Unitless	Unitless	m²	m²
Piso 1	B592	61	V(18x45)	0	No Message	B.2.4-2	0.000241	0.000358
Piso 1	B592	61	V(18x45)	0.425	No Message	B.2.4-2	0.000241	0.000241
Piso 1	B592	61	V(18x45)	0.85	No Message	B.2.4-2	0.000109	0.000109
Piso 1	B592	61	V(18x45)	1.275	No Message	B.2.4-2	0.000109	0.000109
Piso 1	B592	61	V(18x45)	1.7	No Message	B.2.4-2	0.000109	0.000109
Piso 1	B592	61	V(18x45)	2.125	No Message	B.2.4-2	0.000109	0.000109
Piso 1	B592	61	V(18x45)	2.55	No Message	B.2.4-7a	4E-06	4E-06
Piso 1	B594	62	V(30x50)	0	No Message	B.2.4-5b	0.000452	0.000452
Piso 1	B594	62	V(30x50)	0.425	No Message	B.2.4-2	0.000372	0.000372
Piso 1	B594	62	V(30x50)	0.85	No Message	B.2.4-5b	0.000173	0.000173
Piso 1	B594	62	V(30x50)	1.275	No Message	B.2.4-5	0.00014	0.00014
Piso 1	B594	62	V(30x50)	1.7	No Message	B.2.4-5	0.00014	0.00014
Piso 1	B594	62	V(30x50)	2.125	No Message	B.2.4-5	0.00014	0.00014
Piso 1	B594	62	V(30x50)	2.55	No Message	B.2.4-7a	2.9E-05	2.9E-05
Piso 1	B576	63	V(18x45)	0	No Message	B.2.4-2	0.000241	0.000347
Piso 1	B576	63	V(18x45)	0.46182	No Message	B.2.4-2	0.000221	0.000221
Piso 1	B576	63	V(18x45)	0.92364	No Message	B.2.4-2	0.000108	0.000108
Piso 1	B576	63	V(18x45)	1.38545	No Message	B.2.4-2	0.000108	0.000108
Piso 1	B576	63	V(18x45)	1.84727	No Message	B.2.4-2	0.000108	0.000108
Piso 1	B576	63	V(18x45)	2.30909	No Message	B.2.4-2	0.000108	0.000108
Piso 1	B576	63	V(18x45)	2.77091	No Message	B.2.4-2	0.000108	0.000108
Piso 1	B576	63	V(18x45)	3.23273	No Message	B.2.4-2	0.000108	0.000108
Piso 1	B576	63	V(18x45)	3.69455	No Message	B.2.4-2	0.000108	0.000108
Piso 1	B576	63	V(18x45)	4.15636	No Message	B.2.4-2	0.000108	0.000108
Piso 1	B576	63	V(18x45)	4.61818	No Message	B.2.4-2	0.000198	0.000198
Piso 1	B576	63	V(18x45)	5.08	No Message	B.2.4-2	0.000241	0.000325
Piso 1	B577	64	V(18x45)	0	No Message	B.2.4-2	0.000241	0.000372
Piso 1	B577	64	V(18x45)	0.46091	No Message	B.2.4-2	0.000241	0.000241
Piso 1	B577	64	V(18x45)	0.92182	No Message	B.2.4-2	0.00012	0.00012
Piso 1	B577	64	V(18x45)	1.38273	No Message	B.2.4-2	0.00012	0.00012
Piso 1	B577	64	V(18x45)	1.84364	No Message	B.2.4-2	0.00012	0.00012
Piso 1	B577	64	V(18x45)	2.30455	No Message	B.2.4-2	0.00012	0.00012
Piso 1	B577	64	V(18x45)	2.76545	No Message	B.2.4-2	0.00012	0.00012
Piso 1	B577	64	V(18x45)	3.22636	No Message	B.2.4-2	0.00012	0.00012
Piso 1	B577	64	V(18x45)	3.68727	No Message	B.2.4-2	0.00012	0.00012
Piso 1	B577	64	V(18x45)	4.14818	No Message	B.2.4-2	0.00012	0.00012
Piso 1	B577	64	V(18x45)	4.60909	No Message	B.2.4-2	0.000219	0.000219
Piso 1	B577	64	V(18x45)	5.07	No Message	B.2.4-2	0.000241	0.00034
Piso 1	B605	65	V(18x45)	0	No Message	B.2.4-2	0.00024	0.00024
Piso 1	B605	65	V(18x45)	0.425	No Message	B.2.4-2	0.000112	0.000112
Piso 1	B605	65	V(18x45)	0.85	No Message	B.2.4-2	0.000112	0.000112
Piso 1	B605	65	V(18x45)	1.275	No Message	B.2.4-2	0.000112	0.000112
Piso 1	B605	65	V(18x45)	1.7	No Message	B.2.4-2	0.000112	0.000112
Piso 1	B605	65	V(18x45)	2.125	No Message	B.2.4-2	0.000112	0.000112
Piso 1	B605	65	V(18x45)	2.55	No Message	B.2.4-2	0.000112	0.000112
Piso 1	B605	65	V(18x45)	2.55	No Message	B.2.4-2	0.000114	0.000114
Piso 1	B605	65	V(18x45)	3.01111	No Message	B.2.4-2	0.000114	0.000114
Piso 1	B605	65	V(18x45)	3.47222	No Message	B.2.4-2	0.000114	0.000114
Piso 1	B605	65	V(18x45)	3.93333	No Message	B.2.4-2	0.000114	0.000114
Piso 1	B605	65	V(18x45)	4.39444	No Message	B.2.4-2	0.000114	0.000114
Piso 1	B605	65	V(18x45)	4.85556	No Message	B.2.4-2	0.000114	0.000114
Piso 1	B605	65	V(18x45)	5.31667	No Message	B.2.4-2	0.000114	0.000114
Piso 1	B605	65	V(18x45)	5.77778	No Message	B.2.4-2	0.000114	0.000114

Table: Concrete Beam Design Summary - ACI 318-08, Part 1 of 4

Story	Label	UniqueName	DesignSect	Station	Status	AsTopCombo	AsMinTop	AsTop
Unitless	Unitless	Unitless	Unitless	m	Unitless	Unitless	m²	m²
Piso 1	B605	65	V(18x45)	6.23889	No Message	B.2.4-2	0.000241	0.000241
Piso 1	B605	65	V(18x45)	6.7	No Message	B.2.4-2	0.000241	0.000363
Piso 1	B1	165	V(30x45)	0	No Message	B.2.4-2	0.000115	0.000115
Piso 1	B1	165	V(30x45)	0.3169	No Message	B.2.4-2	7.2E-05	7.2E-05
Piso 1	B1	165	V(30x45)	0.6338	No Message	B.2.4-2	5.2E-05	5.2E-05
Piso 1	B1	165	V(30x45)	0.6338	No Message	B.2.4-2	3.8E-05	3.8E-05
Piso 1	B1	165	V(30x45)	0.95065	No Message	B.2.4-2	3.4E-05	3.4E-05
Piso 1	B1	165	V(30x45)	1.2675	No Message	B.2.4-2	3.4E-05	3.4E-05
Piso 1	B1	165	V(30x45)	1.2675	No Message	B.2.4-5b	2.9E-05	2.9E-05
Piso 1	B1	165	V(30x45)	1.5844	No Message	B.2.4-5b	2.9E-05	2.9E-05
Piso 1	B1	165	V(30x45)	1.9013	No Message	B.2.4-5b	2.9E-05	2.9E-05
Piso 1	B1	165	V(30x45)	1.9013	No Message	B.2.4-2	3.1E-05	3.1E-05
Piso 1	B1	165	V(30x45)	2.21815	No Message	B.2.4-2	3.1E-05	3.1E-05
Piso 1	B1	165	V(30x45)	2.535	No Message	B.2.4-2	3.1E-05	3.1E-05
Piso 1	B1	165	V(30x45)	2.535	No Message	B.2.4-2	3.3E-05	3.3E-05
Piso 1	B1	165	V(30x45)	2.8519	No Message	B.2.4-2	3.3E-05	3.3E-05
Piso 1	B1	165	V(30x45)	3.1688	No Message	B.2.4-2	3.3E-05	3.3E-05
Piso 1	B1	165	V(30x45)	3.1688	No Message	B.2.4-2	3.5E-05	3.5E-05
Piso 1	B1	165	V(30x45)	3.48565	No Message	B.2.4-2	3.5E-05	3.5E-05
Piso 1	B1	165	V(30x45)	3.8025	No Message	B.2.4-2	3.5E-05	3.5E-05
Piso 1	B1	165	V(30x45)	3.8025	No Message	B.2.4-5b	3.1E-05	3.1E-05
Piso 1	B1	165	V(30x45)	4.11935	No Message	B.2.4-5b	3.1E-05	3.1E-05
Piso 1	B1	165	V(30x45)	4.4362	No Message	B.2.4-2	4.1E-05	4.1E-05
Piso 1	B1	165	V(30x45)	4.4362	No Message	B.2.4-5b	3E-05	3E-05
Piso 1	B1	165	V(30x45)	4.7531	No Message	B.2.4-5b	1.8E-05	1.8E-05
Piso 1	B1	165	V(30x45)	5.07	No Message	B.2.4-7b	6E-06	6E-06
Piso 1	B2	166	V(30x45)	0	No Message	B.2.4-7b	7E-06	7E-06
Piso 1	B2	166	V(30x45)	0.3175	No Message	B.2.4-7b	1.7E-05	1.7E-05
Piso 1	B2	166	V(30x45)	0.635	No Message	B.2.4-5b	2.6E-05	2.6E-05
Piso 1	B2	166	V(30x45)	0.635	No Message	B.2.4-5b	4E-05	4E-05
Piso 1	B2	166	V(30x45)	0.9525	No Message	B.2.4-5	3.3E-05	3.3E-05
Piso 1	B2	166	V(30x45)	1.27	No Message	B.2.4-5	3.3E-05	3.3E-05
Piso 1	B2	166	V(30x45)	1.27	No Message	B.2.4-5	4E-05	4E-05
Piso 1	B2	166	V(30x45)	1.5875	No Message	B.2.4-5	4E-05	4E-05
Piso 1	B2	166	V(30x45)	1.905	No Message	B.2.4-5	4E-05	4E-05
Piso 1	B2	166	V(30x45)	1.905	No Message	B.2.4-5	4.2E-05	4.2E-05
Piso 1	B2	166	V(30x45)	2.2225	No Message	B.2.4-5	4.2E-05	4.2E-05
Piso 1	B2	166	V(30x45)	2.54	No Message	B.2.4-5	4.2E-05	4.2E-05
Piso 1	B2	166	V(30x45)	2.54	No Message	B.2.4-5	4.1E-05	4.1E-05
Piso 1	B2	166	V(30x45)	2.8575	No Message	B.2.4-5	4.1E-05	4.1E-05
Piso 1	B2	166	V(30x45)	3.175	No Message	B.2.4-5	4.1E-05	4.1E-05
Piso 1	B2	166	V(30x45)	3.175	No Message	B.2.4-5	3.6E-05	3.6E-05
Piso 1	B2	166	V(30x45)	3.4925	No Message	B.2.4-5	3.6E-05	3.6E-05
Piso 1	B2	166	V(30x45)	3.81	No Message	B.2.4-5	3.6E-05	3.6E-05
Piso 1	B2	166	V(30x45)	3.81	No Message	B.2.4-5	2.5E-05	2.5E-05
Piso 1	B2	166	V(30x45)	4.1275	No Message	B.2.4-5	2.5E-05	2.5E-05
Piso 1	B2	166	V(30x45)	4.445	No Message	B.2.4-5	2.5E-05	2.5E-05
Piso 1	B2	166	V(30x45)	4.445	No Message	B.2.4-7a	1.1E-05	1.1E-05
Piso 1	B2	166	V(30x45)	4.7625	No Message	B.2.4-7a	1.1E-05	1.1E-05
Piso 1	B2	166	V(30x45)	5.08	No Message	B.2.4-7a	2E-06	2E-06
Piso 1	B5	191	V(30x45)	0	No Message	B.2.4-2	0.000402	0.000603
Piso 1	B5	191	V(30x45)	0.46	No Message	B.2.4-2	0.000345	0.000345
Piso 1	B5	191	V(30x45)	0.92	No Message	B.2.4-2	0.000185	0.000185

Table: Concrete Beam Design Summary - ACI 318-08, Part 1 of 4

Story	Label	UniqueName	DesignSect	Station	Status	AsTopCombo	AsMinTop	AsTop
Unitless	Unitless	Unitless	Unitless	m	Unitless	Unitless	m²	m²
Piso 1	B5	191	V(30x45)	0.92	No Message	B.2.4-2	0.000192	0.000192
Piso 1	B5	191	V(30x45)	1.38	No Message	B.2.4-2	0.000192	0.000192
Piso 1	B5	191	V(30x45)	1.84	No Message	B.2.4-7a	1.1E-05	1.1E-05
Piso 1	B6	192	V(30x45)	0	No Message	B.2.4-7a	1.7E-05	1.7E-05
Piso 1	B6	192	V(30x45)	0.485	No Message	B.2.4-2	0.000182	0.000182
Piso 1	B6	192	V(30x45)	0.97	No Message	B.2.4-2	0.000182	0.000182
Piso 1	B6	192	V(30x45)	0.97	No Message	B.2.4-2	0.000185	0.000185
Piso 1	B6	192	V(30x45)	1.455	No Message	B.2.4-2	0.000185	0.000185
Piso 1	B6	192	V(30x45)	1.94	No Message	B.2.4-2	0.000185	0.000185
Piso 1	B6	192	V(30x45)	1.94	No Message	B.2.4-2	0.000182	0.000182
Piso 1	B6	192	V(30x45)	2.425	No Message	B.2.4-2	0.000182	0.000182
Piso 1	B6	192	V(30x45)	2.91	No Message	B.2.4-2	0.000182	0.000182
Piso 1	B6	192	V(30x45)	2.91	No Message	B.2.4-2	0.000175	0.000175
Piso 1	B6	192	V(30x45)	3.395	No Message	B.2.4-2	0.000175	0.000175
Piso 1	B6	192	V(30x45)	3.88	No Message	B.2.4-2	0.000175	0.000175
Piso 1	B6	192	V(30x45)	3.88	No Message	B.2.4-2	0.000167	0.000167
Piso 1	B6	192	V(30x45)	4.365	No Message	B.2.4-2	0.000346	0.000346
Piso 1	B6	192	V(30x45)	4.85	No Message	B.2.4-2	0.000402	0.000562
Piso 1	B7	36	V(30x45)	0.2	No Message	B.2.4-2	0.000402	0.000435
Piso 1	B7	36	V(30x45)	0.67	No Message	B.2.4-5b	0.000291	0.000291
Piso 1	B7	36	V(30x45)	1.14	No Message	B.2.4-2	0.000167	0.000167
Piso 1	B7	36	V(30x45)	1.61	No Message	B.2.4-2	0.000167	0.000167
Piso 1	B7	36	V(30x45)	2.08	No Message	B.2.4-2	0.000167	0.000167
Piso 1	B7	36	V(30x45)	2.55	No Message	B.2.4-2	0.000167	0.000167
Piso 1	B7	36	V(30x45)	2.55	No Message	B.2.4-2	0.000158	0.000158
Piso 1	B7	36	V(30x45)	3.04375	No Message	B.2.4-2	0.000158	0.000158
Piso 1	B7	36	V(30x45)	3.5375	No Message	B.2.4-2	0.000158	0.000158
Piso 1	B7	36	V(30x45)	4.03125	No Message	B.2.4-2	0.000158	0.000158
Piso 1	B7	36	V(30x45)	4.525	No Message	B.2.4-2	0.000158	0.000158
Piso 1	B7	36	V(30x45)	5.01875	No Message	B.2.4-2	0.000158	0.000158
Piso 1	B7	36	V(30x45)	5.5125	No Message	B.2.4-2	0.000158	0.000158
Piso 1	B7	36	V(30x45)	6.00625	No Message	B.2.4-2	0.000343	0.000343
Piso 1	B7	36	V(30x45)	6.5	No Message	B.2.4-2	0.000402	0.000512

Table: Concrete Beam Design Summary - ACI 318-08, Part 2 of 4

Table: Concrete Beam Design Summary - ACI 318-08, Part 2 of 4

Story	Label	UniqueName	Station	AsBotCombo	AsMinBot	AsBot	VCombo	VRebar
Unitless	Unitless	Unitless	m	Unitless	m²	m²	Unitless	m²/m
NV	B485	17	0.2	B.2.4-7b	0.000135	0.000135	B.2.4-7b	0.00025
NV	B485	17	0.69444	B.2.4-7b	0.000125	0.000125	B.2.4-7b	0.00025
NV	B485	17	1.18889	B.2.4-5b	0.00011	0.00011	B.2.4-7b	0.00025
NV	B485	17	1.68333	B.2.4-5b	9.2E-05	9.2E-05	B.2.4-7b	0.00025
NV	B485	17	2.17778	B.2.4-5b	6.5E-05	6.5E-05	B.2.4-7b	0.00025
NV	B485	17	2.67222	B.2.4-5b	6.2E-05	6.2E-05	B.2.4-7b	0.00025
NV	B485	17	3.16667	B.2.4-5b	9.2E-05	9.2E-05	B.2.4-7b	0.00025
NV	B485	17	3.66111	B.2.4-5	0.000113	0.000113	B.2.4-7b	0.00025
NV	B485	17	4.15556	B.2.4-7a	0.000127	0.000127	B.2.4-7b	0.00025
NV	B485	17	4.65	B.2.4-7a	0.000138	0.000138	B.2.4-7b	0.00025
NV	B487	18	0.2	B.2.4-7a	0.000245	0.000245	B.2.4-5b	0.00029
NV	B487	18	0.69444	B.2.4-7a	0.000214	0.000214	B.2.4-5b	0.00027
NV	B487	18	1.18889	B.2.4-5	0.00018	0.00018	B.2.4-5b	0.00026

Table: Concrete Beam Design Summary - ACI 318-08, Part 2 of 4

Story	Label	UniqueName	Station	AsBotCombo	AsMinBot	AsBot	VCombo	VRebar
Unitless	Unitless	Unitless	m	Unitless	m²	m²	Unitless	m²/m
NV	B487	18	1.68333	B.2.4-5	0.000141	0.000141	B.2.4-7b	0.00025
NV	B487	18	2.17778	B.2.4-5	9.8E-05	9.8E-05	B.2.4-7b	0.00025
NV	B487	18	2.67222	B.2.4-5	9.8E-05	9.8E-05	B.2.4-7b	0.00025
NV	B487	18	3.16667	B.2.4-5b	0.000139	0.000139	B.2.4-7b	0.00025
NV	B487	18	3.66111	B.2.4-5b	0.000183	0.000183	B.2.4-5b	0.00026
NV	B487	18	4.15556	B.2.4-7b	0.000219	0.000219	B.2.4-5b	0.00027
NV	B487	18	4.65	B.2.4-7b	0.000254	0.000254	B.2.4-5b	0.00029
NV	B490	19	0.2	B.2.4-7b	0.000293	0.000293	B.2.4-5b	0.00031
NV	B490	19	0.69444	B.2.4-7b	0.000252	0.000252	B.2.4-5b	0.00029
NV	B490	19	1.18889	B.2.4-5b	0.000204	0.000204	B.2.4-5b	0.00027
NV	B490	19	1.68333	B.2.4-5b	0.000156	0.000156	B.2.4-5b	0.00026
NV	B490	19	2.17778	B.2.4-5	0.000111	0.000111	B.2.4-7b	0.00025
NV	B490	19	2.67222	B.2.4-5	0.000111	0.000111	B.2.4-7b	0.00025
NV	B490	19	3.16667	B.2.4-5	0.000155	0.000155	B.2.4-5b	0.00026
NV	B490	19	3.66111	B.2.4-5	0.00021	0.00021	B.2.4-5b	0.00027
NV	B490	19	4.15556	B.2.4-5	0.000257	0.000257	B.2.4-5b	0.00029
NV	B490	19	4.65	B.2.4-7a	0.0003	0.0003	B.2.4-5b	0.00031
NV	B491	20	0.2	B.2.4-7b	0.000263	0.000263	B.2.4-5b	0.0003
NV	B491	20	0.69444	B.2.4-7b	0.000227	0.000227	B.2.4-5b	0.00028
NV	B491	20	1.18889	B.2.4-7b	0.000185	0.000185	B.2.4-5b	0.00026
NV	B491	20	1.68333	B.2.4-7b	0.000136	0.000136	B.2.4-7b	0.00025
NV	B491	20	2.17778	B.2.4-5	0.000102	0.000102	B.2.4-7b	0.00025
NV	B491	20	2.67222	B.2.4-5	0.000102	0.000102	B.2.4-7b	0.00025
NV	B491	20	3.16667	B.2.4-5	0.000139	0.000139	B.2.4-7b	0.00025
NV	B491	20	3.66111	B.2.4-5	0.00019	0.00019	B.2.4-5b	0.00026
NV	B491	20	4.15556	B.2.4-7a	0.000232	0.000232	B.2.4-5b	0.00028
NV	B491	20	4.65	B.2.4-7a	0.000272	0.000272	B.2.4-5b	0.0003
NV	B492	21	0.2	B.2.4-7b	0.000175	0.000175	B.2.4-7b	0.00025
NV	B492	21	0.69444	B.2.4-7b	0.000158	0.000158	B.2.4-7b	0.00025
NV	B492	21	1.18889	B.2.4-5b	0.000135	0.000135	B.2.4-7b	0.00025
NV	B492	21	1.68333	B.2.4-5b	0.00011	0.00011	B.2.4-7b	0.00025
NV	B492	21	2.17778	B.2.4-5b	7.7E-05	7.7E-05	B.2.4-7b	0.00025
NV	B492	21	2.67222	B.2.4-5b	7.2E-05	7.2E-05	B.2.4-7b	0.00025
NV	B492	21	3.16667	B.2.4-5b	0.000111	0.000111	B.2.4-7b	0.00025
NV	B492	21	3.66111	B.2.4-5b	0.00014	0.00014	B.2.4-7b	0.00025
NV	B492	21	4.15556	B.2.4-5b	0.000162	0.000162	B.2.4-7b	0.00025
NV	B492	21	4.65	B.2.4-7b	0.00018	0.00018	B.2.4-7b	0.00025
NV	B493	22	0.2	B.2.4-7b	0.000162	0.000162	B.2.4-7b	0.00025
NV	B493	22	0.69545	B.2.4-7b	0.000159	0.000159	B.2.4-7b	0.00025
NV	B493	22	1.19091	B.2.4-5b	0.000156	0.000156	B.2.4-7b	0.00025
NV	B493	22	1.68636	B.2.4-5b	0.000146	0.000146	B.2.4-7b	0.00025
NV	B493	22	2.18182	B.2.4-5b	0.000127	0.000127	B.2.4-7b	0.00025
NV	B493	22	2.67727	B.2.4-5b	9.9E-05	9.9E-05	B.2.4-7b	0.00025
NV	B493	22	3.17273	B.2.4-5b	8.2E-05	8.2E-05	B.2.4-7b	0.00025
NV	B493	22	3.66818	B.2.4-5	8.8E-05	8.8E-05	B.2.4-7b	0.00025
NV	B493	22	4.16364	B.2.4-5	9.2E-05	9.2E-05	B.2.4-7b	0.00025
NV	B493	22	4.65909	B.2.4-5	8.7E-05	8.7E-05	B.2.4-7b	0.00025
NV	B493	22	5.15455	B.2.4-5b	8.2E-05	8.2E-05	B.2.4-7b	0.00025
NV	B493	22	5.65	B.2.4-5b	0.000149	0.000149	B.2.4-7b	0.00025
NV	B494	23	0.2	B.2.4-5b	0.000125	0.000125	B.2.4-7b	0.00025
NV	B494	23	0.67	B.2.4-5b	6.2E-05	6.2E-05	B.2.4-7b	0.00025
NV	B494	23	1.14	B.2.4-5b	6.2E-05	6.2E-05	B.2.4-7b	0.00025
NV	B494	23	1.61	B.2.4-7a	6.7E-05	6.7E-05	B.2.4-7b	0.00025

Table: Concrete Beam Design Summary - ACI 318-08, Part 2 of 4

Story	Label	UniqueName	Station	AsBotCombo	AsMinBot	AsBot	VCombo	VRebar
Unitless	Unitless	Unitless	m	Unitless	m²	m²	Unitless	m²/m
NV	B494	23	2.08	B.2.4-7a	7.1E-05	7.1E-05	B.2.4-7b	0.00025
NV	B494	23	2.55	B.2.4-7a	6.9E-05	6.9E-05	B.2.4-7b	0.00025
NV	B496	24	0	B.2.4-7a	7.2E-05	7.2E-05	B.2.4-7b	0.00025
NV	B496	24	0.49375	B.2.4-5b	6.7E-05	6.7E-05	B.2.4-7b	0.00025
NV	B496	24	0.9875	B.2.4-5b	6.7E-05	6.7E-05	B.2.4-7b	0.00025
NV	B496	24	1.48125	B.2.4-5b	8E-05	8E-05	B.2.4-7b	0.00025
NV	B496	24	1.975	B.2.4-5b	8.5E-05	8.5E-05	B.2.4-7b	0.00025
NV	B496	24	2.46875	B.2.4-7b	8.6E-05	8.6E-05	B.2.4-7b	0.00025
NV	B496	24	2.9625	B.2.4-7b	8.1E-05	8.1E-05	B.2.4-7b	0.00025
NV	B496	24	3.45625	B.2.4-7b	6.9E-05	6.9E-05	B.2.4-7b	0.00025
NV	B496	24	3.95	B.2.4-5	9.8E-05	9.8E-05	B.2.4-7b	0.00025
NV	B497	25	0.2	B.2.4-5b	0.000104	0.000104	B.2.4-7b	0.00025
NV	B497	25	0.667	B.2.4-7a	7.8E-05	7.8E-05	B.2.4-7b	0.00025
NV	B497	25	1.134	B.2.4-7a	7.6E-05	7.6E-05	B.2.4-7b	0.00025
NV	B497	25	1.601	B.2.4-7b	6.8E-05	6.8E-05	B.2.4-7b	0.00025
NV	B497	25	2.068	B.2.4-5b	6E-05	6E-05	B.2.4-7b	0.00025
NV	B497	25	2.535	B.2.4-7b	5.5E-05	5.5E-05	B.2.4-7b	0.00025
NV	B497	25	3.002	B.2.4-5b	6.1E-05	6.1E-05	B.2.4-7b	0.00025
NV	B497	25	3.469	B.2.4-5b	7.8E-05	7.8E-05	B.2.4-7b	0.00025
NV	B497	25	3.936	B.2.4-7b	8.7E-05	8.7E-05	B.2.4-7b	0.00025
NV	B497	25	4.403	B.2.4-7b	9.5E-05	9.5E-05	B.2.4-7b	0.00025
NV	B497	25	4.87	B.2.4-7b	9.6E-05	9.6E-05	B.2.4-7b	0.00025
NV	B498	26	0.2	B.2.4-7b	9.3E-05	9.3E-05	B.2.4-7b	0.00025
NV	B498	26	0.668	B.2.4-7a	8.4E-05	8.4E-05	B.2.4-7b	0.00025
NV	B498	26	1.136	B.2.4-7a	7.7E-05	7.7E-05	B.2.4-7b	0.00025
NV	B498	26	1.604	B.2.4-5	6.6E-05	6.6E-05	B.2.4-7b	0.00025
NV	B498	26	2.072	B.2.4-5b	4.8E-05	4.8E-05	B.2.4-7b	0.00025
NV	B498	26	2.54	B.2.4-5	4.8E-05	4.8E-05	B.2.4-7b	0.00025
NV	B498	26	3.008	B.2.4-7b	7.4E-05	7.4E-05	B.2.4-7b	0.00025
NV	B498	26	3.476	B.2.4-7b	9.6E-05	9.6E-05	B.2.4-7b	0.00025
NV	B498	26	3.944	B.2.4-7b	0.000112	0.000112	B.2.4-7b	0.00025
NV	B498	26	4.412	B.2.4-7b	0.000122	0.000122	B.2.4-7b	0.00025
NV	B498	26	4.88	B.2.4-7b	0.000126	0.000126	B.2.4-7b	0.00025
NV	B499	27	0.2	B.2.4-7b	0.000131	0.000131	B.2.4-7b	0.00025
NV	B499	27	0.69545	B.2.4-7b	0.000131	0.000131	B.2.4-7b	0.00025
NV	B499	27	1.19091	B.2.4-5b	0.000129	0.000129	B.2.4-7b	0.00025
NV	B499	27	1.68636	B.2.4-5b	0.000121	0.000121	B.2.4-7b	0.00025
NV	B499	27	2.18182	B.2.4-5b	0.000105	0.000105	B.2.4-7b	0.00025
NV	B499	27	2.67727	B.2.4-5b	8E-05	8E-05	B.2.4-7b	0.00025
NV	B499	27	3.17273	B.2.4-5b	7.1E-05	7.1E-05	B.2.4-7b	0.00025
NV	B499	27	3.66818	B.2.4-5	7.2E-05	7.2E-05	B.2.4-7b	0.00025
NV	B499	27	4.16364	B.2.4-5	7.6E-05	7.6E-05	B.2.4-7b	0.00025
NV	B499	27	4.65909	B.2.4-5	7.1E-05	7.1E-05	B.2.4-7b	0.00025
NV	B499	27	5.15455	B.2.4-5b	7.1E-05	7.1E-05	B.2.4-7b	0.00025
NV	B499	27	5.65	B.2.4-5b	0.000136	0.000136	B.2.4-7b	0.00025
NV	B500	28	0.2	B.2.4-5b	0.000121	0.000121	B.2.4-7b	0.00025
NV	B500	28	0.67	B.2.4-5b	6.5E-05	6.5E-05	B.2.4-7b	0.00025
NV	B500	28	1.14	B.2.4-5b	6.5E-05	6.5E-05	B.2.4-7b	0.00025
NV	B500	28	1.61	B.2.4-5	7E-05	7E-05	B.2.4-7b	0.00025
NV	B500	28	2.08	B.2.4-5	8.1E-05	8.1E-05	B.2.4-7b	0.00025
NV	B500	28	2.55	B.2.4-5	8.4E-05	8.4E-05	B.2.4-7b	0.00025
NV	B501	29	0	B.2.4-5	8.9E-05	8.9E-05	B.2.4-7b	0.00025
NV	B501	29	0.49375	B.2.4-5b	8.7E-05	8.7E-05	B.2.4-7b	0.00025

Table: Concrete Beam Design Summary - ACI 318-08, Part 2 of 4

Story	Label	UniqueName	Station	AsBotCombo	AsMinBot	AsBot	VCombo	VRebar
Unitless	Unitless	Unitless	m	Unitless	m²	m²	Unitless	m²/m
NV	B501	29	0.9875	B.2.4-5b	8.9E-05	8.9E-05	B.2.4-7b	0.00025
NV	B501	29	1.48125	B.2.4-5b	9.8E-05	9.8E-05	B.2.4-7b	0.00025
NV	B501	29	1.975	B.2.4-5b	0.0001	0.0001	B.2.4-7b	0.00025
NV	B501	29	2.46875	B.2.4-5b	9.3E-05	9.3E-05	B.2.4-7b	0.00025
NV	B501	29	2.9625	B.2.4-7b	8E-05	8E-05	B.2.4-7b	0.00025
NV	B501	29	3.45625	B.2.4-7b	6.6E-05	6.6E-05	B.2.4-7b	0.00025
NV	B501	29	3.95	B.2.4-5b	0.000105	0.000105	B.2.4-7b	0.00025
NV	B507	30	0.2	B.2.4-5b	0.000106	0.000106	B.2.4-7b	0.00025
NV	B507	30	0.667	B.2.4-7a	7.2E-05	7.2E-05	B.2.4-7b	0.00025
NV	B507	30	1.134	B.2.4-7a	7.1E-05	7.1E-05	B.2.4-7b	0.00025
NV	B507	30	1.601	B.2.4-5b	6.8E-05	6.8E-05	B.2.4-7b	0.00025
NV	B507	30	2.068	B.2.4-5b	6E-05	6E-05	B.2.4-7b	0.00025
NV	B507	30	2.535	B.2.4-5b	5.8E-05	5.8E-05	B.2.4-7b	0.00025
NV	B507	30	3.002	B.2.4-5b	6.1E-05	6.1E-05	B.2.4-7b	0.00025
NV	B507	30	3.469	B.2.4-5b	7.5E-05	7.5E-05	B.2.4-7b	0.00025
NV	B507	30	3.936	B.2.4-7b	8.3E-05	8.3E-05	B.2.4-7b	0.00025
NV	B507	30	4.403	B.2.4-7b	8.8E-05	8.8E-05	B.2.4-7b	0.00025
NV	B507	30	4.87	B.2.4-7b	8.7E-05	8.7E-05	B.2.4-7b	0.00025
NV	B508	31	0.2	B.2.4-5b	9.7E-05	9.7E-05	B.2.4-7b	0.00025
NV	B508	31	0.668	B.2.4-7a	7.4E-05	7.4E-05	B.2.4-7b	0.00025
NV	B508	31	1.136	B.2.4-5	7.1E-05	7.1E-05	B.2.4-7b	0.00025
NV	B508	31	1.604	B.2.4-5	6.6E-05	6.6E-05	B.2.4-7b	0.00025
NV	B508	31	2.072	B.2.4-5b	5.4E-05	5.4E-05	B.2.4-7b	0.00025
NV	B508	31	2.54	B.2.4-5b	5.7E-05	5.7E-05	B.2.4-7b	0.00025
NV	B508	31	3.008	B.2.4-5b	8.3E-05	8.3E-05	B.2.4-7b	0.00025
NV	B508	31	3.476	B.2.4-5b	0.000102	0.000102	B.2.4-7b	0.00025
NV	B508	31	3.944	B.2.4-5b	0.000112	0.000112	B.2.4-7b	0.00025
NV	B508	31	4.412	B.2.4-7b	0.000122	0.000122	B.2.4-7b	0.00025
NV	B508	31	4.88	B.2.4-7b	0.000126	0.000126	B.2.4-7b	0.00025
Piso 1	B487	32	0.2	B.2.4-5b	0.000106	0.000106	B.2.4-5b	0.00027
Piso 1	B487	32	0.47	B.2.4-7a	5.1E-05	5.1E-05	B.2.4-5b	0.00028
Piso 1	B487	32	0.47	B.2.4-7b	4.9E-05	4.9E-05	B.2.4-5b	0.00013
Piso 1	B487	32	0.94	B.2.4-7b	4.9E-05	4.9E-05	B.2.4-5b	0.00012
Piso 1	B487	32	0.94	B.2.4-5	5.4E-05	5.4E-05	B.2.4-7b	0.00025
Piso 1	B487	32	0.97	B.2.4-5	5.4E-05	5.4E-05	B.2.4-7b	0.00025
Piso 1	B487	32	0.97	B.2.4-7b	6E-05	6E-05	B.2.4-7b	0.00025
Piso 1	B487	32	1.41	B.2.4-7b	6E-05	6E-05	B.2.4-7b	0.00025
Piso 1	B487	32	1.41	B.2.4-5b	5.7E-05	5.7E-05	B.2.4-7b	0.00025
Piso 1	B487	32	1.51	B.2.4-5b	5.7E-05	5.7E-05	B.2.4-7b	0.00025
Piso 1	B487	32	1.51	B.2.4-7b	5.8E-05	5.8E-05	B.2.4-7b	0.00025
Piso 1	B487	32	1.94	B.2.4-7b	5.8E-05	5.8E-05	B.2.4-7b	0.00025
Piso 1	B487	32	1.94	B.2.4-7b	7.1E-05	7.1E-05	B.2.4-7b	0.00025
Piso 1	B487	32	1.98333	B.2.4-7b	7.1E-05	7.1E-05	B.2.4-7b	0.00025
Piso 1	B487	32	1.98333	B.2.4-5b	7.3E-05	7.3E-05	B.2.4-5b	0.00011
Piso 1	B487	32	2.27	B.2.4-5b	7.3E-05	7.3E-05	B.2.4-5b	0.00012
Piso 1	B487	32	2.55667	B.2.4-5b	7.3E-05	7.3E-05	B.2.4-5b	0.00013
Piso 1	B487	32	2.55667	B.2.4-5b	7.5E-05	7.5E-05	B.2.4-7b	0.00025
Piso 1	B487	32	2.91	B.2.4-5b	7.5E-05	7.5E-05	B.2.4-7b	0.00025
Piso 1	B487	32	2.91	B.2.4-5b	7.5E-05	7.5E-05	B.2.4-7b	0.00025
Piso 1	B487	32	3.13	B.2.4-5b	7.5E-05	7.5E-05	B.2.4-7b	0.00025
Piso 1	B487	32	3.13	B.2.4-5b	7.8E-05	7.8E-05	B.2.4-7b	0.00025
Piso 1	B487	32	3.41667	B.2.4-5b	7.8E-05	7.8E-05	B.2.4-7b	0.00025
Piso 1	B487	32	3.70333	B.2.4-5b	7.8E-05	7.8E-05	B.2.4-7b	0.00025

Table: Concrete Beam Design Summary - ACI 318-08, Part 2 of 4

Story	Label	UniqueName	Station	AsBotCombo	AsMinBot	AsBot	VCombo	VRebar
Unitless	Unitless	Unitless	m	Unitless	m²	m²	Unitless	m²/m
Piso 1	B487	32	3.70333	B.2.4-5b	8.9E-05	8.9E-05	B.2.4-7b	0.00025
Piso 1	B487	32	3.88	B.2.4-5b	8.9E-05	8.9E-05	B.2.4-7b	0.00025
Piso 1	B487	32	3.88	B.2.4-5b	8.9E-05	8.9E-05	B.2.4-7b	0.00025
Piso 1	B487	32	4.27667	B.2.4-5b	8.9E-05	8.9E-05	B.2.4-7b	0.00025
Piso 1	B487	32	4.27667	B.2.4-7a	0.0001	0.0001	B.2.4-7b	0.00025
Piso 1	B487	32	4.65	B.2.4-5b	0.000182	0.000182	B.2.4-7b	0.00025
Piso 1	B490	33	0.2	B.2.4-7b	9.7E-05	9.7E-05	B.2.4-5	0.0003
Piso 1	B490	33	0.47	B.2.4-7b	3.8E-05	3.8E-05	B.2.4-5	0.00031
Piso 1	B490	33	0.47	B.2.4-7b	3.9E-05	3.9E-05	B.2.4-7b	0.0001
Piso 1	B490	33	0.94	B.2.4-7b	3.9E-05	3.9E-05	B.2.4-7b	9E-05
Piso 1	B490	33	0.94	B.2.4-5	3.9E-05	3.9E-05	B.2.4-7b	9E-05
Piso 1	B490	33	0.97	B.2.4-5	3.9E-05	3.9E-05	B.2.4-7b	9E-05
Piso 1	B490	33	0.97	B.2.4-7b	3.9E-05	3.9E-05	B.2.4-7b	0.0001
Piso 1	B490	33	1.41	B.2.4-7b	3.9E-05	3.9E-05	B.2.4-7b	0.00011
Piso 1	B490	33	1.41	B.2.4-7b	4.2E-05	4.2E-05	B.2.4-7b	0.00025
Piso 1	B490	33	1.675	B.2.4-7b	4.2E-05	4.2E-05	B.2.4-7b	0.00025
Piso 1	B490	33	1.94	B.2.4-7b	4.2E-05	4.2E-05	B.2.4-7b	0.00025
Piso 1	B490	33	1.94	B.2.4-5b	5.8E-05	5.8E-05	B.2.4-7b	0.00025
Piso 1	B490	33	1.98333	B.2.4-5b	5.8E-05	5.8E-05	B.2.4-7b	0.00025
Piso 1	B490	33	1.98333	B.2.4-7b	4E-05	4E-05	B.2.4-7b	0.00025
Piso 1	B490	33	2.27	B.2.4-7b	4E-05	4E-05	B.2.4-7b	0.00025
Piso 1	B490	33	2.55667	B.2.4-7b	4E-05	4E-05	B.2.4-7b	0.00025
Piso 1	B490	33	2.55667	B.2.4-7b	4E-05	4E-05	B.2.4-7b	0.00025
Piso 1	B490	33	2.91	B.2.4-7b	4E-05	4E-05	B.2.4-7b	0.00025
Piso 1	B490	33	2.91	B.2.4-5b	4.1E-05	4.1E-05	B.2.4-7b	0.00025
Piso 1	B490	33	3.13	B.2.4-7b	4E-05	4E-05	B.2.4-7b	0.00025
Piso 1	B490	33	3.13	B.2.4-7b	4.1E-05	4.1E-05	B.2.4-7b	0.00025
Piso 1	B490	33	3.41667	B.2.4-7b	4.1E-05	4.1E-05	B.2.4-7b	0.00025
Piso 1	B490	33	3.70333	B.2.4-7b	4.1E-05	4.1E-05	B.2.4-7b	0.00025
Piso 1	B490	33	3.70333	B.2.4-5b	6.3E-05	6.3E-05	B.2.4-7b	0.00025
Piso 1	B490	33	3.88	B.2.4-5b	6.3E-05	6.3E-05	B.2.4-7b	0.00025
Piso 1	B490	33	3.88	B.2.4-5	5.4E-05	5.4E-05	B.2.4-7b	0.00025
Piso 1	B490	33	4.27667	B.2.4-7a	4.9E-05	4.9E-05	B.2.4-7b	0.00025
Piso 1	B490	33	4.27667	B.2.4-5	5.4E-05	5.4E-05	B.2.4-7b	0.00025
Piso 1	B490	33	4.65	B.2.4-7a	0.000122	0.000122	B.2.4-7b	0.00025
Piso 1	B491	34	0.2	B.2.4-5b	0.000166	0.000166	B.2.4-7b	0.00025
Piso 1	B491	34	0.585	B.2.4-2	0.000148	0.000148	B.2.4-7b	0.00025
Piso 1	B491	34	0.97	B.2.4-2	0.000148	0.000148	B.2.4-7b	0.00025
Piso 1	B491	34	0.97	B.2.4-2	0.000148	0.000148	B.2.4-7b	0.00025
Piso 1	B491	34	1.41	B.2.4-2	0.000148	0.000148	B.2.4-7b	0.00025
Piso 1	B491	34	1.41	B.2.4-2	0.00014	0.00014	B.2.4-2	0.00092
Piso 1	B491	34	1.675	B.2.4-2	0.00014	0.00014	B.2.4-2	0.00092
Piso 1	B491	34	1.94	B.2.4-2	0.00014	0.00014	B.2.4-2	0.00091
Piso 1	B491	34	1.94	B.2.4-2	0.000147	0.000147	B.2.4-5b	0.00029
Piso 1	B491	34	2.425	B.2.4-2	0.000402	0.000402	B.2.4-5b	0.00027
Piso 1	B491	34	2.91	B.2.4-2	0.000402	0.000653	B.2.4-5b	0.00026
Piso 1	B491	34	2.91	B.2.4-2	0.000402	0.000651	B.2.4-7b	0
Piso 1	B491	34	3.395	B.2.4-2	0.000402	0.000575	B.2.4-7b	0
Piso 1	B491	34	3.88	B.2.4-2	0.000402	0.000494	B.2.4-5b	0.00025
Piso 1	B491	34	3.88	B.2.4-2	0.000402	0.000505	B.2.4-5	0.00061
Piso 1	B491	34	4.265	B.2.4-2	0.000212	0.000212	B.2.4-5	0.00063
Piso 1	B491	34	4.65	B.2.4-2	0.0003	0.0003	B.2.4-5	0.00064
Piso 1	B492	35	0.2	B.2.4-7a	6.1E-05	6.1E-05	B.2.4-5	0.00016

Table: Concrete Beam Design Summary - ACI 318-08, Part 2 of 4

Story	Label	UniqueName	Station	AsBotCombo	AsMinBot	AsBot	VCombo	VRebar
Unitless	Unitless	Unitless	m	Unitless	m²	m²	Unitless	m²/m
Piso 1	B492	35	0.47	B.2.4-7a	2.6E-05	2.6E-05	B.2.4-5	0.00017
Piso 1	B492	35	0.47	B.2.4-7a	2.7E-05	2.7E-05	B.2.4-7b	0.00025
Piso 1	B492	35	0.94	B.2.4-7a	2.7E-05	2.7E-05	B.2.4-7b	0.00025
Piso 1	B492	35	0.94	B.2.4-7a	3.1E-05	3.1E-05	B.2.4-7b	0.00025
Piso 1	B492	35	0.97	B.2.4-7a	3.1E-05	3.1E-05	B.2.4-7b	0.00025
Piso 1	B492	35	0.97	B.2.4-7a	2.7E-05	2.7E-05	B.2.4-7b	0.00025
Piso 1	B492	35	1.41	B.2.4-7a	2.7E-05	2.7E-05	B.2.4-7b	0.00025
Piso 1	B492	35	1.41	B.2.4-7a	2.7E-05	2.7E-05	B.2.4-7b	0.00025
Piso 1	B492	35	1.675	B.2.4-7a	2.7E-05	2.7E-05	B.2.4-7b	0.00025
Piso 1	B492	35	1.94	B.2.4-7a	2.7E-05	2.7E-05	B.2.4-7b	0.00025
Piso 1	B492	35	1.94	B.2.4-5	3.7E-05	3.7E-05	B.2.4-7b	0.00025
Piso 1	B492	35	1.98333	B.2.4-5	3.7E-05	3.7E-05	B.2.4-7b	0.00025
Piso 1	B492	35	1.98333	B.2.4-7a	2.6E-05	2.6E-05	B.2.4-7b	0.00025
Piso 1	B492	35	2.27	B.2.4-7a	2.6E-05	2.6E-05	B.2.4-7b	0.00025
Piso 1	B492	35	2.55667	B.2.4-7a	2.6E-05	2.6E-05	B.2.4-7b	0.00025
Piso 1	B492	35	2.55667	B.2.4-7a	2.9E-05	2.9E-05	B.2.4-7b	0.00025
Piso 1	B492	35	2.91	B.2.4-7a	2.9E-05	2.9E-05	B.2.4-7b	0.00025
Piso 1	B492	35	2.91	B.2.4-7a	2.9E-05	2.9E-05	B.2.4-7b	0.00025
Piso 1	B492	35	3.13	B.2.4-7a	2.9E-05	2.9E-05	B.2.4-7b	0.00025
Piso 1	B492	35	3.13	B.2.4-7a	3E-05	3E-05	B.2.4-7b	0.00025
Piso 1	B492	35	3.41667	B.2.4-7a	3E-05	3E-05	B.2.4-7b	0.00025
Piso 1	B492	35	3.70333	B.2.4-7a	3E-05	3E-05	B.2.4-7b	0.00025
Piso 1	B492	35	3.70333	B.2.4-5	3.6E-05	3.6E-05	B.2.4-7b	0.00025
Piso 1	B492	35	3.88	B.2.4-5	3.6E-05	3.6E-05	B.2.4-7b	0.00025
Piso 1	B492	35	3.88	B.2.4-7a	3.9E-05	3.9E-05	B.2.4-7b	0.00025
Piso 1	B492	35	4.27667	B.2.4-7a	3.9E-05	3.9E-05	B.2.4-7b	0.00025
Piso 1	B492	35	4.27667	B.2.4-7a	4.3E-05	4.3E-05	B.2.4-5	0.00016
Piso 1	B492	35	4.65	B.2.4-7a	9.2E-05	9.2E-05	B.2.4-5b	0.00015
Piso 1	B497	37	0.2	B.2.4-2	0.000264	0.000264	B.2.4-7b	0.0004
Piso 1	B497	37	0.667	B.2.4-2	0.000133	0.000133	B.2.4-7b	0.00037
Piso 1	B497	37	1.134	B.2.4-2	0.000209	0.000209	B.2.4-7b	0.00033
Piso 1	B497	37	1.601	B.2.4-2	0.000345	0.000345	B.2.4-7b	0.0003
Piso 1	B497	37	2.068	B.2.4-2	0.000402	0.000402	B.2.4-7b	0.00026
Piso 1	B497	37	2.535	B.2.4-2	0.000402	0.000402	B.2.4-7b	0.00025
Piso 1	B497	37	3.002	B.2.4-2	0.000402	0.000402	B.2.4-7b	0.00026
Piso 1	B497	37	3.469	B.2.4-2	0.000367	0.000367	B.2.4-7b	0.0003
Piso 1	B497	37	3.936	B.2.4-2	0.000241	0.000241	B.2.4-7b	0.00033
Piso 1	B497	37	4.403	B.2.4-2	0.000133	0.000133	B.2.4-7b	0.00037
Piso 1	B497	37	4.87	B.2.4-2	0.000217	0.000217	B.2.4-7b	0.0004
Piso 1	B498	38	0.2	B.2.4-2	0.000226	0.000226	B.2.4-7b	0.00039
Piso 1	B498	38	0.668	B.2.4-5b	0.000114	0.000114	B.2.4-7b	0.00035
Piso 1	B498	38	1.136	B.2.4-2	0.000218	0.000218	B.2.4-7b	0.00032
Piso 1	B498	38	1.604	B.2.4-2	0.000354	0.000354	B.2.4-7b	0.00028
Piso 1	B498	38	2.072	B.2.4-2	0.000402	0.000402	B.2.4-7b	0.00025
Piso 1	B498	38	2.54	B.2.4-2	0.000402	0.000402	B.2.4-7b	0.00025
Piso 1	B498	38	3.008	B.2.4-2	0.000402	0.000402	B.2.4-7b	0.00025
Piso 1	B498	38	3.476	B.2.4-2	0.000369	0.000369	B.2.4-7b	0.00028
Piso 1	B498	38	3.944	B.2.4-2	0.000241	0.000241	B.2.4-7b	0.00032
Piso 1	B498	38	4.412	B.2.4-5b	0.000114	0.000114	B.2.4-7b	0.00035
Piso 1	B498	38	4.88	B.2.4-5	0.00019	0.00019	B.2.4-7b	0.00039
Piso 1	B500	39	0.2	B.2.4-5b	0.000118	0.000118	B.2.4-7b	0.00025
Piso 1	B500	39	0.6375	B.2.4-5b	9.5E-05	9.5E-05	B.2.4-7b	0.00025
Piso 1	B500	39	0.6375	B.2.4-5b	9E-05	9E-05	B.2.4-7b	0.00025

Table: Concrete Beam Design Summary - ACI 318-08, Part 2 of 4

Story	Label	UniqueName	Station	AsBotCombo	AsMinBot	AsBot	VCombo	VRebar
Unitless	Unitless	Unitless	m	Unitless	m²	m²	Unitless	m²/m
Piso 1	B500	39	0.95625	B.2.4-5b	9E-05	9E-05	B.2.4-7b	0.00025
Piso 1	B500	39	1.275	B.2.4-5b	9E-05	9E-05	B.2.4-7b	0.00025
Piso 1	B500	39	1.275	B.2.4-5b	8.5E-05	8.5E-05	B.2.4-7b	0.00025
Piso 1	B500	39	1.59375	B.2.4-5b	8.5E-05	8.5E-05	B.2.4-7b	0.00025
Piso 1	B500	39	1.9125	B.2.4-5b	8.5E-05	8.5E-05	B.2.4-7b	0.00025
Piso 1	B500	39	1.9125	B.2.4-5b	7.7E-05	7.7E-05	B.2.4-5b	0.00017
Piso 1	B500	39	2.23125	B.2.4-5b	7.7E-05	7.7E-05	B.2.4-5b	0.00016
Piso 1	B500	39	2.55	B.2.4-5b	5.6E-05	5.6E-05	B.2.4-7b	0.00016
Piso 1	B501	40	0	B.2.4-5b	8.5E-05	8.5E-05	B.2.4-7b	8E-05
Piso 1	B501	40	0.2594	B.2.4-5b	6.4E-05	6.4E-05	B.2.4-7b	9E-05
Piso 1	B501	40	0.5188	B.2.4-7b	5.3E-05	5.3E-05	B.2.4-7b	0.0001
Piso 1	B501	40	0.5188	B.2.4-5b	5.8E-05	5.8E-05	B.2.4-7b	0.00025
Piso 1	B501	40	0.77815	B.2.4-5b	5.8E-05	5.8E-05	B.2.4-7b	0.00025
Piso 1	B501	40	1.0375	B.2.4-5b	5.8E-05	5.8E-05	B.2.4-7b	0.00025
Piso 1	B501	40	1.0375	B.2.4-5b	6E-05	6E-05	B.2.4-7b	0.00025
Piso 1	B501	40	1.29685	B.2.4-5b	6E-05	6E-05	B.2.4-7b	0.00025
Piso 1	B501	40	1.5562	B.2.4-5b	6E-05	6E-05	B.2.4-7b	0.00025
Piso 1	B501	40	1.5562	B.2.4-5b	5.6E-05	5.6E-05	B.2.4-7b	0.00025
Piso 1	B501	40	1.8156	B.2.4-5b	5.6E-05	5.6E-05	B.2.4-7b	0.00025
Piso 1	B501	40	2.075	B.2.4-5b	5.6E-05	5.6E-05	B.2.4-7b	0.00025
Piso 1	B501	40	2.075	B.2.4-7b	5.2E-05	5.2E-05	B.2.4-7b	0.00025
Piso 1	B501	40	2.3344	B.2.4-7b	5.2E-05	5.2E-05	B.2.4-7b	0.00025
Piso 1	B501	40	2.5938	B.2.4-7b	5.2E-05	5.2E-05	B.2.4-7b	0.00025
Piso 1	B501	40	2.5938	B.2.4-7b	4.8E-05	4.8E-05	B.2.4-7b	0.00025
Piso 1	B501	40	2.85315	B.2.4-7b	4.8E-05	4.8E-05	B.2.4-7b	0.00025
Piso 1	B501	40	3.1125	B.2.4-7b	4.8E-05	4.8E-05	B.2.4-7b	0.00025
Piso 1	B501	40	3.1125	B.2.4-7b	4.4E-05	4.4E-05	B.2.4-7b	0.00025
Piso 1	B501	40	3.3719	B.2.4-7b	4.4E-05	4.4E-05	B.2.4-7b	0.00025
Piso 1	B501	40	3.6313	B.2.4-7b	4.4E-05	4.4E-05	B.2.4-7b	0.00025
Piso 1	B501	40	3.6313	B.2.4-7b	4.1E-05	4.1E-05	B.2.4-7b	0.00025
Piso 1	B501	40	3.95	B.2.4-7b	7.7E-05	7.7E-05	B.2.4-7b	0.00025
Piso 1	B507	41	0.2	B.2.4-7a	8.4E-05	8.4E-05	B.2.4-7b	0.00025
Piso 1	B507	41	0.6338	B.2.4-7b	5.3E-05	5.3E-05	B.2.4-7b	0.00025
Piso 1	B507	41	0.6338	B.2.4-7b	5.3E-05	5.3E-05	B.2.4-7b	0.00025
Piso 1	B507	41	0.95065	B.2.4-7b	5.3E-05	5.3E-05	B.2.4-7b	0.00025
Piso 1	B507	41	1.2675	B.2.4-7b	5.3E-05	5.3E-05	B.2.4-7b	0.00025
Piso 1	B507	41	1.2675	B.2.4-7b	5.3E-05	5.3E-05	B.2.4-7b	0.00025
Piso 1	B507	41	1.5844	B.2.4-7b	5.3E-05	5.3E-05	B.2.4-7b	0.00025
Piso 1	B507	41	1.9013	B.2.4-7b	5.3E-05	5.3E-05	B.2.4-7b	0.00025
Piso 1	B507	41	1.9013	B.2.4-7b	5.4E-05	5.4E-05	B.2.4-7b	0.00025
Piso 1	B507	41	2.21815	B.2.4-7b	5.4E-05	5.4E-05	B.2.4-7b	0.00025
Piso 1	B507	41	2.535	B.2.4-7b	5.4E-05	5.4E-05	B.2.4-7b	0.00025
Piso 1	B507	41	2.535	B.2.4-7b	5.5E-05	5.5E-05	B.2.4-7b	0.00025
Piso 1	B507	41	2.8519	B.2.4-7b	5.5E-05	5.5E-05	B.2.4-7b	0.00025
Piso 1	B507	41	3.1688	B.2.4-7b	5.5E-05	5.5E-05	B.2.4-7b	0.00025
Piso 1	B507	41	3.1688	B.2.4-7b	5.4E-05	5.4E-05	B.2.4-7b	0.00025
Piso 1	B507	41	3.48565	B.2.4-7b	5.4E-05	5.4E-05	B.2.4-7b	0.00025
Piso 1	B507	41	3.8025	B.2.4-7b	5.4E-05	5.4E-05	B.2.4-7b	0.00025
Piso 1	B507	41	3.8025	B.2.4-7b	5E-05	5E-05	B.2.4-7b	0.00025
Piso 1	B507	41	4.11935	B.2.4-7b	5E-05	5E-05	B.2.4-7b	0.00025
Piso 1	B507	41	4.4362	B.2.4-7b	5E-05	5E-05	B.2.4-7b	0.00025
Piso 1	B507	41	4.4362	B.2.4-7b	4.2E-05	4.2E-05	B.2.4-7b	0.00016
Piso 1	B507	41	4.87	B.2.4-7b	8.5E-05	8.5E-05	B.2.4-7b	0.00013

Table: Concrete Beam Design Summary - ACI 318-08, Part 2 of 4

Story	Label	UniqueName	Station	AsBotCombo	AsMinBot	AsBot	VCombo	VRebar
Unitless	Unitless	Unitless	m	Unitless	m²	m²	Unitless	m²/m
Piso 1	B508	42	0.2	B.2.4-5	9.8E-05	9.8E-05	B.2.4-7a	0.00013
Piso 1	B508	42	0.635	B.2.4-7b	5E-05	5E-05	B.2.4-7a	0.00015
Piso 1	B508	42	0.635	B.2.4-5b	6E-05	6E-05	B.2.4-7b	0.00025
Piso 1	B508	42	0.9525	B.2.4-5b	6E-05	6E-05	B.2.4-7b	0.00025
Piso 1	B508	42	1.27	B.2.4-5b	6E-05	6E-05	B.2.4-7b	0.00025
Piso 1	B508	42	1.27	B.2.4-5b	6.4E-05	6.4E-05	B.2.4-7b	0.00025
Piso 1	B508	42	1.5875	B.2.4-5b	6.4E-05	6.4E-05	B.2.4-7b	0.00025
Piso 1	B508	42	1.905	B.2.4-5b	6.4E-05	6.4E-05	B.2.4-7b	0.00025
Piso 1	B508	42	1.905	B.2.4-5b	6.5E-05	6.5E-05	B.2.4-7b	0.00025
Piso 1	B508	42	2.2225	B.2.4-5b	6.5E-05	6.5E-05	B.2.4-7b	0.00025
Piso 1	B508	42	2.54	B.2.4-5b	6.5E-05	6.5E-05	B.2.4-7b	0.00025
Piso 1	B508	42	2.54	B.2.4-5b	6.3E-05	6.3E-05	B.2.4-7b	0.00025
Piso 1	B508	42	2.8575	B.2.4-5b	6.3E-05	6.3E-05	B.2.4-7b	0.00025
Piso 1	B508	42	3.175	B.2.4-5b	6.3E-05	6.3E-05	B.2.4-7b	0.00025
Piso 1	B508	42	3.175	B.2.4-5	5.8E-05	5.8E-05	B.2.4-7b	0.00025
Piso 1	B508	42	3.4925	B.2.4-5	5.8E-05	5.8E-05	B.2.4-7b	0.00025
Piso 1	B508	42	3.81	B.2.4-5	5.8E-05	5.8E-05	B.2.4-7b	0.00025
Piso 1	B508	42	3.81	B.2.4-5	4.8E-05	4.8E-05	B.2.4-7b	0.00025
Piso 1	B508	42	4.1275	B.2.4-5	4.8E-05	4.8E-05	B.2.4-7b	0.00025
Piso 1	B508	42	4.445	B.2.4-5	4.8E-05	4.8E-05	B.2.4-7b	0.00025
Piso 1	B508	42	4.445	B.2.4-7b	4E-05	4E-05	B.2.4-7b	0.00025
Piso 1	B508	42	4.88	B.2.4-5b	8.6E-05	8.6E-05	B.2.4-7b	0.00025
Piso 1	B570	43	0	B.2.4-5b	8.2E-05	8.2E-05	B.2.4-7b	8E-05
Piso 1	B570	43	0.2594	B.2.4-5b	5.8E-05	5.8E-05	B.2.4-7b	9E-05
Piso 1	B570	43	0.5188	B.2.4-5b	4.3E-05	4.3E-05	B.2.4-7b	0.0001
Piso 1	B570	43	0.5188	B.2.4-5b	5.2E-05	5.2E-05	B.2.4-7b	0.00025
Piso 1	B570	43	0.77815	B.2.4-5b	5.2E-05	5.2E-05	B.2.4-7b	0.00025
Piso 1	B570	43	1.0375	B.2.4-5b	5.2E-05	5.2E-05	B.2.4-7b	0.00025
Piso 1	B570	43	1.0375	B.2.4-5b	5.7E-05	5.7E-05	B.2.4-7b	0.00025
Piso 1	B570	43	1.29685	B.2.4-5b	5.7E-05	5.7E-05	B.2.4-7b	0.00025
Piso 1	B570	43	1.5562	B.2.4-5b	5.7E-05	5.7E-05	B.2.4-7b	0.00025
Piso 1	B570	43	1.5562	B.2.4-5b	5.7E-05	5.7E-05	B.2.4-7b	0.00025
Piso 1	B570	43	1.8156	B.2.4-5b	5.7E-05	5.7E-05	B.2.4-7b	0.00025
Piso 1	B570	43	2.075	B.2.4-5b	5.7E-05	5.7E-05	B.2.4-7b	0.00025
Piso 1	B570	43	2.075	B.2.4-5b	5.5E-05	5.5E-05	B.2.4-7b	0.00025
Piso 1	B570	43	2.3344	B.2.4-5b	5.5E-05	5.5E-05	B.2.4-7b	0.00025
Piso 1	B570	43	2.5938	B.2.4-5b	5.5E-05	5.5E-05	B.2.4-7b	0.00025
Piso 1	B570	43	2.5938	B.2.4-5b	5.1E-05	5.1E-05	B.2.4-7b	0.00025
Piso 1	B570	43	2.85315	B.2.4-5b	5.1E-05	5.1E-05	B.2.4-7b	0.00025
Piso 1	B570	43	3.1125	B.2.4-5b	5.1E-05	5.1E-05	B.2.4-7b	0.00025
Piso 1	B570	43	3.1125	B.2.4-7b	4.8E-05	4.8E-05	B.2.4-7b	0.00025
Piso 1	B570	43	3.3719	B.2.4-7b	4.8E-05	4.8E-05	B.2.4-7b	0.00025
Piso 1	B570	43	3.6313	B.2.4-7b	4.8E-05	4.8E-05	B.2.4-7b	0.00025
Piso 1	B570	43	3.6313	B.2.4-7b	5E-05	5E-05	B.2.4-7b	0.00025
Piso 1	B570	43	3.89065	B.2.4-7b	5.1E-05	5.1E-05	B.2.4-7b	0.00025
Piso 1	B570	43	4.15	B.2.4-7b	5.5E-05	5.5E-05	B.2.4-7b	0.00025
Piso 1	B571	44	0	B.2.4-7b	4E-05	4E-05	B.2.4-7b	0.00025
Piso 1	B571	44	0.3169	B.2.4-7b	3.8E-05	3.8E-05	B.2.4-7b	0.00025
Piso 1	B571	44	0.6338	B.2.4-7b	3.6E-05	3.6E-05	B.2.4-7b	0.00025
Piso 1	B571	44	0.6338	B.2.4-7b	4E-05	4E-05	B.2.4-7b	0.00025
Piso 1	B571	44	0.95065	B.2.4-7b	4E-05	4E-05	B.2.4-7b	0.00025
Piso 1	B571	44	1.2675	B.2.4-7b	4E-05	4E-05	B.2.4-7b	0.00025
Piso 1	B571	44	1.2675	B.2.4-7b	4.4E-05	4.4E-05	B.2.4-7b	0.00025

Table: Concrete Beam Design Summary - ACI 318-08, Part 2 of 4

Story	Label	UniqueName	Station	AsBotCombo	AsMinBot	AsBot	VCombo	VRebar
Unitless	Unitless	Unitless	m	Unitless	m²	m²	Unitless	m²/m
Piso 1	B571	44	1.5844	B.2.4-7b	4.4E-05	4.4E-05	B.2.4-7b	0.00025
Piso 1	B571	44	1.9013	B.2.4-7b	4.4E-05	4.4E-05	B.2.4-7b	0.00025
Piso 1	B571	44	1.9013	B.2.4-7b	4.8E-05	4.8E-05	B.2.4-7b	0.00025
Piso 1	B571	44	2.21815	B.2.4-7b	4.8E-05	4.8E-05	B.2.4-7b	0.00025
Piso 1	B571	44	2.535	B.2.4-7b	4.8E-05	4.8E-05	B.2.4-7b	0.00025
Piso 1	B571	44	2.535	B.2.4-7b	5E-05	5E-05	B.2.4-7b	0.00025
Piso 1	B571	44	2.8519	B.2.4-7b	5E-05	5E-05	B.2.4-7b	0.00025
Piso 1	B571	44	3.1688	B.2.4-7b	5E-05	5E-05	B.2.4-7b	0.00025
Piso 1	B571	44	3.1688	B.2.4-7b	5.2E-05	5.2E-05	B.2.4-7b	0.00025
Piso 1	B571	44	3.48565	B.2.4-7b	5.2E-05	5.2E-05	B.2.4-7b	0.00025
Piso 1	B571	44	3.8025	B.2.4-7b	5.2E-05	5.2E-05	B.2.4-7b	0.00025
Piso 1	B571	44	3.8025	B.2.4-7b	5.3E-05	5.3E-05	B.2.4-7b	0.00025
Piso 1	B571	44	4.11935	B.2.4-7b	5.3E-05	5.3E-05	B.2.4-7b	0.00025
Piso 1	B571	44	4.4362	B.2.4-7b	5.3E-05	5.3E-05	B.2.4-7b	0.00025
Piso 1	B571	44	4.4362	B.2.4-7a	5.3E-05	5.3E-05	B.2.4-7b	0.00025
Piso 1	B571	44	4.7531	B.2.4-7a	5.6E-05	5.6E-05	B.2.4-7b	0.00025
Piso 1	B571	44	5.07	B.2.4-5b	6.6E-05	6.6E-05	B.2.4-7b	0.00025
Piso 1	B572	45	0	B.2.4-5	6.2E-05	6.2E-05	B.2.4-7b	0
Piso 1	B572	45	0.3175	B.2.4-5b	4.6E-05	4.6E-05	B.2.4-7b	0
Piso 1	B572	45	0.635	B.2.4-5b	4E-05	4E-05	B.2.4-7b	0
Piso 1	B572	45	0.635	B.2.4-5	4.9E-05	4.9E-05	B.2.4-7b	0
Piso 1	B572	45	0.9525	B.2.4-5	4.9E-05	4.9E-05	B.2.4-7b	0
Piso 1	B572	45	1.27	B.2.4-5	4.9E-05	4.9E-05	B.2.4-7b	0
Piso 1	B572	45	1.27	B.2.4-5	5.4E-05	5.4E-05	B.2.4-7b	0
Piso 1	B572	45	1.5875	B.2.4-5	5.4E-05	5.4E-05	B.2.4-7b	0
Piso 1	B572	45	1.905	B.2.4-5	5.4E-05	5.4E-05	B.2.4-7b	0
Piso 1	B572	45	1.905	B.2.4-5	5.5E-05	5.5E-05	B.2.4-7b	0
Piso 1	B572	45	2.2225	B.2.4-5	5.5E-05	5.5E-05	B.2.4-7b	0
Piso 1	B572	45	2.54	B.2.4-5	5.5E-05	5.5E-05	B.2.4-7b	0
Piso 1	B572	45	2.54	B.2.4-5	5.5E-05	5.5E-05	B.2.4-7b	0
Piso 1	B572	45	2.8575	B.2.4-5	5.5E-05	5.5E-05	B.2.4-7b	0
Piso 1	B572	45	3.175	B.2.4-5	5.5E-05	5.5E-05	B.2.4-7b	0
Piso 1	B572	45	3.175	B.2.4-5	5.1E-05	5.1E-05	B.2.4-7b	0
Piso 1	B572	45	3.4925	B.2.4-5	5.1E-05	5.1E-05	B.2.4-7b	0
Piso 1	B572	45	3.81	B.2.4-5	5.1E-05	5.1E-05	B.2.4-7b	0
Piso 1	B572	45	3.81	B.2.4-5	4.4E-05	4.4E-05	B.2.4-7b	0
Piso 1	B572	45	4.1275	B.2.4-5	4.4E-05	4.4E-05	B.2.4-7b	0
Piso 1	B572	45	4.445	B.2.4-5	4.4E-05	4.4E-05	B.2.4-7b	0
Piso 1	B572	45	4.445	B.2.4-7a	3.4E-05	3.4E-05	B.2.4-7b	0
Piso 1	B572	45	4.7625	B.2.4-5	4.8E-05	4.8E-05	B.2.4-7b	0
Piso 1	B572	45	5.08	B.2.4-5	5.4E-05	5.4E-05	B.2.4-7b	0
Piso 1	B573	46	0	B.2.4-5b	2.8E-05	2.8E-05	B.2.4-7b	0.00025
Piso 1	B573	46	0.31875	B.2.4-5b	2.4E-05	2.4E-05	B.2.4-7b	0.00025
Piso 1	B573	46	0.6375	B.2.4-7b	1.6E-05	1.6E-05	B.2.4-7b	0.00025
Piso 1	B573	46	0.6375	B.2.4-5b	2.4E-05	2.4E-05	B.2.4-7b	0.00025
Piso 1	B573	46	0.95625	B.2.4-5b	2.3E-05	2.3E-05	B.2.4-7b	0.00025
Piso 1	B573	46	1.275	B.2.4-5b	2.3E-05	2.3E-05	B.2.4-7b	0.00025
Piso 1	B573	46	1.275	B.2.4-5b	3.3E-05	3.3E-05	B.2.4-7b	0.00025
Piso 1	B573	46	1.59375	B.2.4-5b	3.3E-05	3.3E-05	B.2.4-7b	0.00025
Piso 1	B573	46	1.9125	B.2.4-5b	3.3E-05	3.3E-05	B.2.4-7b	0.00025
Piso 1	B573	46	1.9125	B.2.4-5b	3.1E-05	3.1E-05	B.2.4-7b	6E-05
Piso 1	B573	46	2.23125	B.2.4-5b	3.1E-05	3.1E-05	B.2.4-7b	5E-05
Piso 1	B573	46	2.55	B.2.4-5b	3E-05	3E-05	B.2.4-7b	4E-05

Table: Concrete Beam Design Summary - ACI 318-08, Part 2 of 4

Story	Label	UniqueName	Station	AsBotCombo	AsMinBot	AsBot	VCombo	VRebar
Unitless	Unitless	Unitless	m	Unitless	m²	m²	Unitless	m²/m
Piso 1	B477	47	0	B.2.4-7b	5E-06	5E-06	B.2.4-7b	0.00025
Piso 1	B477	47	0.26	B.2.4-7b	2.1E-05	2.1E-05	B.2.4-7b	0.00025
Piso 1	B477	47	0.52	B.2.4-7b	2.1E-05	2.1E-05	B.2.4-7b	0.00025
Piso 1	B477	47	0.52	B.2.4-7b	2.3E-05	2.3E-05	B.2.4-7b	0.00025
Piso 1	B477	47	0.92	B.2.4-7b	2.3E-05	2.3E-05	B.2.4-7b	0.00025
Piso 1	B477	47	0.92	B.2.4-7b	3.2E-05	3.2E-05	B.2.4-7b	0.00025
Piso 1	B477	47	1.18	B.2.4-7b	3.2E-05	3.2E-05	B.2.4-7b	0.00025
Piso 1	B477	47	1.18	B.2.4-7a	3.2E-05	3.2E-05	B.2.4-7b	0.00025
Piso 1	B477	47	1.64	B.2.4-7b	9.1E-05	9.1E-05	B.2.4-7b	0.00025
Piso 1	B481	48	0	B.2.4-5	1.1E-05	1.1E-05	B.2.4-7b	0.00025
Piso 1	B481	48	0.26	B.2.4-7a	2.5E-05	2.5E-05	B.2.4-7b	0.00025
Piso 1	B481	48	0.52	B.2.4-7a	2.5E-05	2.5E-05	B.2.4-7b	0.00025
Piso 1	B481	48	0.52	B.2.4-7a	2.5E-05	2.5E-05	B.2.4-7b	0.00025
Piso 1	B481	48	0.92	B.2.4-5	2.8E-05	2.8E-05	B.2.4-7b	0.00025
Piso 1	B481	48	0.92	B.2.4-5b	3.7E-05	3.7E-05	B.2.4-7b	0.00025
Piso 1	B481	48	1.18	B.2.4-5b	3.4E-05	3.4E-05	B.2.4-7b	0.00025
Piso 1	B481	48	1.18	B.2.4-7b	3E-05	3E-05	B.2.4-5	0.00026
Piso 1	B481	48	1.64	B.2.4-7b	9.6E-06	9.6E-06	B.2.4-7b	0.00025
Piso 1	B483	49	0	B.2.4-2	0.000142	0.000142	B.2.4-5b	0.00086
Piso 1	B483	49	0.46	B.2.4-5b	7.2E-05	7.2E-05	B.2.4-5b	0.00084
Piso 1	B483	49	0.92	B.2.4-2	0.000381	0.000381	B.2.4-5b	0.00083
Piso 1	B483	49	0.92	B.2.4-2	0.000381	0.000381	B.2.4-5b	0.00092
Piso 1	B483	49	1.28	B.2.4-5b	0.00029	0.00029	B.2.4-5b	0.00093
Piso 1	B483	49	1.64	B.2.4-5b	0.000224	0.000224	B.2.4-5b	0.00094
Piso 1	B575	50	0	B.2.4-7a	5E-06	5E-06	B.2.4-7b	0.00025
Piso 1	B575	50	0.26	B.2.4-7a	1.6E-05	1.6E-05	B.2.4-7b	0.00025
Piso 1	B575	50	0.52	B.2.4-7a	1.6E-05	1.6E-05	B.2.4-7b	0.00025
Piso 1	B575	50	0.52	B.2.4-7a	1.7E-05	1.7E-05	B.2.4-7b	0.00025
Piso 1	B575	50	0.92	B.2.4-7a	1.7E-05	1.7E-05	B.2.4-7b	0.00025
Piso 1	B575	50	0.92	B.2.4-7a	1.8E-05	1.8E-05	B.2.4-7b	0.00025
Piso 1	B575	50	1.18	B.2.4-7a	1.8E-05	1.8E-05	B.2.4-7b	0.00025
Piso 1	B575	50	1.18	B.2.4-7a	2E-05	2E-05	B.2.4-7b	0.00025
Piso 1	B575	50	1.64	B.2.4-7a	6.6E-05	6.6E-05	B.2.4-7b	0.00025
Piso 1	B581	51	0	B.2.4-2	0.000176	0.000176	B.2.4-7b	0.00026
Piso 1	B581	51	0.46182	B.2.4-2	8.4E-05	8.4E-05	B.2.4-7b	0.00024
Piso 1	B581	51	0.92364	B.2.4-2	0.000139	0.000139	B.2.4-7b	0.00022
Piso 1	B581	51	1.38545	B.2.4-2	0.000238	0.000238	B.2.4-7b	0.00019
Piso 1	B581	51	1.84727	B.2.4-2	0.000241	0.000241	B.2.4-7b	0.00017
Piso 1	B581	51	2.30909	B.2.4-2	0.000241	0.000255	B.2.4-7b	0.00015
Piso 1	B581	51	2.77091	B.2.4-2	0.000241	0.000255	B.2.4-7b	0.00015
Piso 1	B581	51	3.23273	B.2.4-2	0.000241	0.000241	B.2.4-7b	0.00017
Piso 1	B581	51	3.69455	B.2.4-2	0.000241	0.000241	B.2.4-7b	0.00019
Piso 1	B581	51	4.15636	B.2.4-2	0.000143	0.000143	B.2.4-7b	0.00022
Piso 1	B581	51	4.61818	B.2.4-2	8.4E-05	8.4E-05	B.2.4-7b	0.00024
Piso 1	B581	51	5.08	B.2.4-2	0.000171	0.000171	B.2.4-7b	0.00026
Piso 1	B582	52	0	B.2.4-2	0.000197	0.000197	B.2.4-7b	0.00032
Piso 1	B582	52	0.46182	B.2.4-2	0.000109	0.000109	B.2.4-7b	0.00029
Piso 1	B582	52	0.92364	B.2.4-2	0.000191	0.000191	B.2.4-7b	0.00027
Piso 1	B582	52	1.38545	B.2.4-2	0.000241	0.000241	B.2.4-7b	0.00024
Piso 1	B582	52	1.84727	B.2.4-2	0.000241	0.000297	B.2.4-7b	0.00021
Piso 1	B582	52	2.30909	B.2.4-2	0.000241	0.000327	B.2.4-7b	0.00019
Piso 1	B582	52	2.77091	B.2.4-2	0.000241	0.000325	B.2.4-7b	0.00019
Piso 1	B582	52	3.23273	B.2.4-2	0.000241	0.000291	B.2.4-7b	0.00021

Table: Concrete Beam Design Summary - ACI 318-08, Part 2 of 4

Story	Label	UniqueName	Station	AsBotCombo	AsMinBot	AsBot	VCombo	VRebar
Unitless	Unitless	Unitless	m	Unitless	m²	m²	Unitless	m²/m
Piso 1	B582	52	3.69455	B.2.4-2	0.000241	0.000241	B.2.4-7b	0.00024
Piso 1	B582	52	4.15636	B.2.4-2	0.000172	0.000172	B.2.4-7b	0.00027
Piso 1	B582	52	4.61818	B.2.4-2	0.000109	0.000109	B.2.4-7b	0.00029
Piso 1	B582	52	5.08	B.2.4-2	0.000232	0.000232	B.2.4-7b	0.00032
Piso 1	B583	53	0	B.2.4-2	0.000211	0.000211	B.2.4-7b	0.00032
Piso 1	B583	53	0.46182	B.2.4-2	0.000108	0.000108	B.2.4-7b	0.00029
Piso 1	B583	53	0.92364	B.2.4-2	0.000187	0.000187	B.2.4-7b	0.00027
Piso 1	B583	53	1.38545	B.2.4-2	0.000241	0.000241	B.2.4-7b	0.00024
Piso 1	B583	53	1.84727	B.2.4-2	0.000241	0.000295	B.2.4-7b	0.00022
Piso 1	B583	53	2.30909	B.2.4-2	0.000241	0.000327	B.2.4-7b	0.00019
Piso 1	B583	53	2.77091	B.2.4-2	0.000241	0.000326	B.2.4-7b	0.00019
Piso 1	B583	53	3.23273	B.2.4-2	0.000241	0.000292	B.2.4-7b	0.00022
Piso 1	B583	53	3.69455	B.2.4-2	0.000241	0.000241	B.2.4-7b	0.00024
Piso 1	B583	53	4.15636	B.2.4-2	0.000177	0.000177	B.2.4-7b	0.00027
Piso 1	B583	53	4.61818	B.2.4-2	0.000108	0.000108	B.2.4-7b	0.00029
Piso 1	B583	53	5.08	B.2.4-2	0.000228	0.000228	B.2.4-7b	0.00032
Piso 1	B585	54	0	B.2.4-2	0.000232	0.000232	B.2.4-7b	0.00028
Piso 1	B585	54	0.46091	B.2.4-2	0.000117	0.000117	B.2.4-7b	0.00026
Piso 1	B585	54	0.92182	B.2.4-2	0.00012	0.00012	B.2.4-7b	0.00024
Piso 1	B585	54	1.38273	B.2.4-2	0.000221	0.000221	B.2.4-7b	0.00022
Piso 1	B585	54	1.84364	B.2.4-2	0.000241	0.000241	B.2.4-7b	0.0002
Piso 1	B585	54	2.30455	B.2.4-2	0.000241	0.000247	B.2.4-7b	0.00018
Piso 1	B585	54	2.76545	B.2.4-2	0.000241	0.00025	B.2.4-7b	0.00018
Piso 1	B585	54	3.22636	B.2.4-2	0.000241	0.000241	B.2.4-7b	0.0002
Piso 1	B585	54	3.68727	B.2.4-2	0.000241	0.000241	B.2.4-7b	0.00022
Piso 1	B585	54	4.14818	B.2.4-2	0.000149	0.000149	B.2.4-7b	0.00024
Piso 1	B585	54	4.60909	B.2.4-2	0.000117	0.000117	B.2.4-7b	0.00026
Piso 1	B585	54	5.07	B.2.4-2	0.000174	0.000174	B.2.4-7b	0.00028
Piso 1	B586	55	0	B.2.4-2	0.000241	0.000241	B.2.4-7b	0.00034
Piso 1	B586	55	0.46091	B.2.4-2	0.000144	0.000144	B.2.4-7b	0.00032
Piso 1	B586	55	0.92182	B.2.4-2	0.000152	0.000152	B.2.4-7b	0.00029
Piso 1	B586	55	1.38273	B.2.4-2	0.000241	0.000241	B.2.4-7b	0.00027
Piso 1	B586	55	1.84364	B.2.4-2	0.000241	0.00028	B.2.4-7b	0.00024
Piso 1	B586	55	2.30455	B.2.4-2	0.000241	0.000317	B.2.4-7b	0.00021
Piso 1	B586	55	2.76545	B.2.4-2	0.000241	0.000322	B.2.4-7b	0.00021
Piso 1	B586	55	3.22636	B.2.4-2	0.000241	0.000295	B.2.4-7b	0.00024
Piso 1	B586	55	3.68727	B.2.4-2	0.000241	0.000241	B.2.4-7b	0.00027
Piso 1	B586	55	4.14818	B.2.4-2	0.000198	0.000198	B.2.4-7b	0.00029
Piso 1	B586	55	4.60909	B.2.4-2	0.000144	0.000144	B.2.4-7b	0.00032
Piso 1	B586	55	5.07	B.2.4-2	0.000202	0.000202	B.2.4-7b	0.00034
Piso 1	B587	56	0	B.2.4-2	0.000241	0.000241	B.2.4-7b	0.00034
Piso 1	B587	56	0.46091	B.2.4-2	0.000132	0.000132	B.2.4-7b	0.00031
Piso 1	B587	56	0.92182	B.2.4-2	0.00016	0.00016	B.2.4-7b	0.00029
Piso 1	B587	56	1.38273	B.2.4-2	0.000241	0.000241	B.2.4-7b	0.00026
Piso 1	B587	56	1.84364	B.2.4-2	0.000241	0.000283	B.2.4-7b	0.00023
Piso 1	B587	56	2.30455	B.2.4-2	0.000241	0.000318	B.2.4-7b	0.00021
Piso 1	B587	56	2.76545	B.2.4-2	0.000241	0.000321	B.2.4-7b	0.00021
Piso 1	B587	56	3.22636	B.2.4-2	0.000241	0.000293	B.2.4-7b	0.00023
Piso 1	B587	56	3.68727	B.2.4-2	0.000241	0.000241	B.2.4-7b	0.00026
Piso 1	B587	56	4.14818	B.2.4-2	0.00019	0.00019	B.2.4-7b	0.00029
Piso 1	B587	56	4.60909	B.2.4-2	0.000132	0.000132	B.2.4-7b	0.00031
Piso 1	B587	56	5.07	B.2.4-2	0.000212	0.000212	B.2.4-7b	0.00034
Piso 1	B588	57	0	B.2.4-2	0.000177	0.000177	B.2.4-7b	0.00037

Table: Concrete Beam Design Summary - ACI 318-08, Part 2 of 4

Story	Label	UniqueName	Station	AsBotCombo	AsMinBot	AsBot	VCombo	VRebar
Unitless	Unitless	Unitless	m	Unitless	m²	m²	Unitless	m²/m
Piso 1	B588	57	0.46111	B.2.4-2	0.000241	0.000241	B.2.4-7b	0.00035
Piso 1	B588	57	0.92222	B.2.4-2	0.000241	0.000247	B.2.4-7b	0.00032
Piso 1	B588	57	1.38333	B.2.4-2	0.000241	0.000249	B.2.4-7b	0.00029
Piso 1	B588	57	1.84444	B.2.4-2	0.000241	0.000241	B.2.4-7b	0.00027
Piso 1	B588	57	2.30556	B.2.4-2	0.000189	0.000189	B.2.4-7b	0.00027
Piso 1	B588	57	2.76667	B.2.4-2	0.00015	0.00015	B.2.4-7b	0.00029
Piso 1	B588	57	3.22778	B.2.4-2	0.00015	0.00015	B.2.4-7b	0.00032
Piso 1	B588	57	3.68889	B.2.4-2	0.00015	0.00015	B.2.4-7b	0.00035
Piso 1	B588	57	4.15	B.2.4-5b	0.000241	0.000241	B.2.4-7b	0.00037
Piso 1	B589	58	0	B.2.4-2	0.000241	0.000241	B.2.4-7b	0.00042
Piso 1	B589	58	0.46111	B.2.4-2	0.000241	0.000261	B.2.4-7b	0.0004
Piso 1	B589	58	0.92222	B.2.4-2	0.000241	0.000286	B.2.4-7b	0.00037
Piso 1	B589	58	1.38333	B.2.4-2	0.000241	0.000272	B.2.4-7b	0.00034
Piso 1	B589	58	1.84444	B.2.4-5b	0.000241	0.000241	B.2.4-7b	0.00032
Piso 1	B589	58	2.30556	B.2.4-2	0.00018	0.00018	B.2.4-7b	0.00032
Piso 1	B589	58	2.76667	B.2.4-2	0.000175	0.000175	B.2.4-7b	0.00034
Piso 1	B589	58	3.22778	B.2.4-2	0.000175	0.000175	B.2.4-7b	0.00037
Piso 1	B589	58	3.68889	B.2.4-2	0.000175	0.000175	B.2.4-7b	0.0004
Piso 1	B589	58	4.15	B.2.4-2	0.000241	0.000274	B.2.4-7b	0.00042
Piso 1	B590	59	0	B.2.4-2	8E-05	8E-05	B.2.4-7b	0.00033
Piso 1	B590	59	0.46111	B.2.4-2	0.000192	0.000192	B.2.4-7b	0.00031
Piso 1	B590	59	0.92222	B.2.4-2	0.000241	0.000241	B.2.4-7b	0.00028
Piso 1	B590	59	1.38333	B.2.4-2	0.000241	0.000241	B.2.4-7b	0.00025
Piso 1	B590	59	1.84444	B.2.4-2	0.00024	0.00024	B.2.4-7b	0.00023
Piso 1	B590	59	2.30556	B.2.4-2	0.000159	0.000159	B.2.4-7b	0.00023
Piso 1	B590	59	2.76667	B.2.4-2	0.000156	0.000156	B.2.4-7b	0.00025
Piso 1	B590	59	3.22778	B.2.4-2	0.000156	0.000156	B.2.4-7b	0.00028
Piso 1	B590	59	3.68889	B.2.4-2	0.000156	0.000156	B.2.4-7b	0.00031
Piso 1	B590	59	4.15	B.2.4-5b	0.000241	0.000241	B.2.4-7b	0.00033
Piso 1	B591	60	0	B.2.4-2	3.3E-05	3.3E-05	B.2.4-7b	0.00028
Piso 1	B591	60	0.46111	B.2.4-2	0.000122	0.000122	B.2.4-7b	0.00025
Piso 1	B591	60	0.92222	B.2.4-2	0.000216	0.000216	B.2.4-7b	0.00022
Piso 1	B591	60	1.38333	B.2.4-2	0.000241	0.000241	B.2.4-7b	0.0002
Piso 1	B591	60	1.84444	B.2.4-2	0.000241	0.000241	B.2.4-7b	0.00017
Piso 1	B591	60	2.30556	B.2.4-2	0.000241	0.000241	B.2.4-7b	0.00017
Piso 1	B591	60	2.76667	B.2.4-2	0.000221	0.000221	B.2.4-7b	0.0002
Piso 1	B591	60	3.22778	B.2.4-2	0.000122	0.000122	B.2.4-7b	0.00022
Piso 1	B591	60	3.68889	B.2.4-2	0.000122	0.000122	B.2.4-7b	0.00025
Piso 1	B591	60	4.15	B.2.4-2	0.000241	0.000241	B.2.4-7b	0.00028
Piso 1	B592	61	0	B.2.4-2	0.000229	0.000229	B.2.4-5b	0.00053
Piso 1	B592	61	0.425	B.2.4-2	0.000109	0.000109	B.2.4-5b	0.00047
Piso 1	B592	61	0.85	B.2.4-2	0.000109	0.000109	B.2.4-5b	0.0004
Piso 1	B592	61	1.275	B.2.4-2	0.000109	0.000109	B.2.4-5b	0.00034
Piso 1	B592	61	1.7	B.2.4-2	0.000125	0.000125	B.2.4-5b	0.0004
Piso 1	B592	61	2.125	B.2.4-2	0.000177	0.000177	B.2.4-5b	0.00047
Piso 1	B592	61	2.55	B.2.4-2	0.000187	0.000187	B.2.4-5b	0.00053
Piso 1	B594	62	0	B.2.4-2	0.000282	0.000282	B.2.4-5b	0.00062
Piso 1	B594	62	0.425	B.2.4-5	0.00014	0.00014	B.2.4-5b	0.00058
Piso 1	B594	62	0.85	B.2.4-5	0.00014	0.00014	B.2.4-5b	0.00054
Piso 1	B594	62	1.275	B.2.4-5	0.00014	0.00014	B.2.4-7b	0.00051
Piso 1	B594	62	1.7	B.2.4-5	0.00014	0.00014	B.2.4-5b	0.00054
Piso 1	B594	62	2.125	B.2.4-2	0.000236	0.000236	B.2.4-5b	0.00058
Piso 1	B594	62	2.55	B.2.4-2	0.000347	0.000347	B.2.4-5b	0.00062

Table: Concrete Beam Design Summary - ACI 318-08, Part 2 of 4

Story	Label	UniqueName	Station	AsBotCombo	AsMinBot	AsBot	VCombo	VRebar
Unitless	Unitless	Unitless	m	Unitless	m²	m²	Unitless	m²/m
Piso 1	B576	63	0	B.2.4-2	0.000224	0.000224	B.2.4-7b	0.00031
Piso 1	B576	63	0.46182	B.2.4-2	0.000108	0.000108	B.2.4-7b	0.00029
Piso 1	B576	63	0.92364	B.2.4-2	0.00017	0.00017	B.2.4-7b	0.00026
Piso 1	B576	63	1.38545	B.2.4-2	0.000241	0.000241	B.2.4-7b	0.00024
Piso 1	B576	63	1.84727	B.2.4-2	0.000241	0.000278	B.2.4-7b	0.00021
Piso 1	B576	63	2.30909	B.2.4-2	0.000241	0.00031	B.2.4-7b	0.00019
Piso 1	B576	63	2.77091	B.2.4-2	0.000241	0.00031	B.2.4-7b	0.00019
Piso 1	B576	63	3.23273	B.2.4-2	0.000241	0.00028	B.2.4-7b	0.00021
Piso 1	B576	63	3.69455	B.2.4-2	0.000241	0.000241	B.2.4-7b	0.00024
Piso 1	B576	63	4.15636	B.2.4-2	0.000176	0.000176	B.2.4-7b	0.00026
Piso 1	B576	63	4.61818	B.2.4-2	0.000108	0.000108	B.2.4-7b	0.00029
Piso 1	B576	63	5.08	B.2.4-2	0.000209	0.000209	B.2.4-7b	0.00031
Piso 1	B577	64	0	B.2.4-2	0.000241	0.000241	B.2.4-7b	0.00032
Piso 1	B577	64	0.46091	B.2.4-2	0.00012	0.00012	B.2.4-7b	0.0003
Piso 1	B577	64	0.92182	B.2.4-2	0.000161	0.000161	B.2.4-7b	0.00027
Piso 1	B577	64	1.38273	B.2.4-2	0.000241	0.000241	B.2.4-7b	0.00025
Piso 1	B577	64	1.84364	B.2.4-2	0.000241	0.000272	B.2.4-7b	0.00022
Piso 1	B577	64	2.30455	B.2.4-2	0.000241	0.000304	B.2.4-7b	0.0002
Piso 1	B577	64	2.76545	B.2.4-2	0.000241	0.000306	B.2.4-7b	0.0002
Piso 1	B577	64	3.22636	B.2.4-2	0.000241	0.000277	B.2.4-7b	0.00022
Piso 1	B577	64	3.68727	B.2.4-2	0.000241	0.000241	B.2.4-7b	0.00025
Piso 1	B577	64	4.14818	B.2.4-2	0.000175	0.000175	B.2.4-7b	0.00027
Piso 1	B577	64	4.60909	B.2.4-2	0.00012	0.00012	B.2.4-7b	0.0003
Piso 1	B577	64	5.07	B.2.4-2	0.000221	0.000221	B.2.4-7b	0.00032
Piso 1	B605	65	0	B.2.4-2	0.000116	0.000116	B.2.4-7b	0.00015
Piso 1	B605	65	0.425	B.2.4-2	0.000112	0.000112	B.2.4-7b	0.00015
Piso 1	B605	65	0.85	B.2.4-2	0.000112	0.000112	B.2.4-7b	0
Piso 1	B605	65	1.275	B.2.4-2	0.000152	0.000152	B.2.4-7b	0
Piso 1	B605	65	1.7	B.2.4-2	0.000173	0.000173	B.2.4-7b	0
Piso 1	B605	65	2.125	B.2.4-2	0.000162	0.000162	B.2.4-7b	0
Piso 1	B605	65	2.55	B.2.4-2	0.000117	0.000117	B.2.4-7b	0
Piso 1	B605	65	2.55	B.2.4-2	0.000114	0.000114	B.2.4-7b	0.00015
Piso 1	B605	65	3.01111	B.2.4-2	0.000208	0.000208	B.2.4-7b	0
Piso 1	B605	65	3.47222	B.2.4-2	0.000241	0.000241	B.2.4-7b	0
Piso 1	B605	65	3.93333	B.2.4-2	0.000241	0.000258	B.2.4-7b	0
Piso 1	B605	65	4.39444	B.2.4-2	0.000241	0.000284	B.2.4-7b	0
Piso 1	B605	65	4.85556	B.2.4-2	0.000241	0.000241	B.2.4-7b	0
Piso 1	B605	65	5.31667	B.2.4-2	0.000241	0.000241	B.2.4-7b	0
Piso 1	B605	65	5.77778	B.2.4-2	0.000139	0.000139	B.2.4-7b	0.00015
Piso 1	B605	65	6.23889	B.2.4-2	0.000114	0.000114	B.2.4-7b	0.00015
Piso 1	B605	65	6.7	B.2.4-2	0.000234	0.000234	B.2.4-7b	0.00015
Piso 1	B1	165	0	B.2.4-2	6.7E-05	6.7E-05	B.2.4-7b	0
Piso 1	B1	165	0.3169	B.2.4-2	4.3E-05	4.3E-05	B.2.4-7b	0
Piso 1	B1	165	0.6338	B.2.4-2	4.3E-05	4.3E-05	B.2.4-7b	0
Piso 1	B1	165	0.6338	B.2.4-2	3.4E-05	3.4E-05	B.2.4-7b	0
Piso 1	B1	165	0.95085	B.2.4-2	3.4E-05	3.4E-05	B.2.4-7b	0
Piso 1	B1	165	1.2675	B.2.4-2	3.4E-05	3.4E-05	B.2.4-7b	0
Piso 1	B1	165	1.2675	B.2.4-5b	2.9E-05	2.9E-05	B.2.4-7b	0
Piso 1	B1	165	1.5844	B.2.4-5b	2.9E-05	2.9E-05	B.2.4-7b	0
Piso 1	B1	165	1.9013	B.2.4-5b	2.9E-05	2.9E-05	B.2.4-7b	0
Piso 1	B1	165	1.9013	B.2.4-2	3.1E-05	3.1E-05	B.2.4-7b	0
Piso 1	B1	165	2.21815	B.2.4-2	3.1E-05	3.1E-05	B.2.4-7b	0
Piso 1	B1	165	2.535	B.2.4-2	3.1E-05	3.1E-05	B.2.4-7b	0

Table: Concrete Beam Design Summary - ACI 318-08, Part 2 of 4

Story	Label	UniqueName	Station	AsBotCombo	AsMinBot	AsBot	VCombo	VRebar
Unitless	Unitless	Unitless	m	Unitless	m²	m²	Unitless	m²/m
Piso 1	B1	165	2.535	B.2.4-2	3.3E-05	3.3E-05	B.2.4-7b	0
Piso 1	B1	165	2.8519	B.2.4-2	3.3E-05	3.3E-05	B.2.4-7b	0
Piso 1	B1	165	3.1688	B.2.4-2	3.3E-05	3.3E-05	B.2.4-7b	0
Piso 1	B1	165	3.1688	B.2.4-2	3.5E-05	3.5E-05	B.2.4-7b	0
Piso 1	B1	165	3.48585	B.2.4-2	3.5E-05	3.5E-05	B.2.4-7b	0
Piso 1	B1	165	3.8025	B.2.4-2	3.5E-05	3.5E-05	B.2.4-7b	0
Piso 1	B1	165	3.8025	B.2.4-5b	3.1E-05	3.1E-05	B.2.4-7b	0
Piso 1	B1	165	4.11935	B.2.4-5b	3.1E-05	3.1E-05	B.2.4-7b	0
Piso 1	B1	165	4.4362	B.2.4-5b	3.1E-05	3.1E-05	B.2.4-7b	0
Piso 1	B1	165	4.4362	B.2.4-5b	1.8E-05	1.8E-05	B.2.4-7b	0
Piso 1	B1	165	4.7531	B.2.4-5b	2.4E-05	2.4E-05	B.2.4-7b	0
Piso 1	B1	165	5.07	B.2.4-5b	6.2E-05	6.2E-05	B.2.4-7b	0
Piso 1	B2	166	0	B.2.4-2	7.4E-05	7.4E-05	B.2.4-7b	0
Piso 1	B2	166	0.3175	B.2.4-5	2.9E-05	2.9E-05	B.2.4-7b	0
Piso 1	B2	166	0.635	B.2.4-7b	1.7E-05	1.7E-05	B.2.4-7b	0
Piso 1	B2	166	0.635	B.2.4-5	3.3E-05	3.3E-05	B.2.4-7b	0
Piso 1	B2	166	0.9525	B.2.4-5	3.3E-05	3.3E-05	B.2.4-7b	0
Piso 1	B2	166	1.27	B.2.4-5	3.3E-05	3.3E-05	B.2.4-7b	0
Piso 1	B2	166	1.27	B.2.4-5	4E-05	4E-05	B.2.4-7b	0
Piso 1	B2	166	1.5875	B.2.4-5	4E-05	4E-05	B.2.4-7b	0
Piso 1	B2	166	1.905	B.2.4-5	4E-05	4E-05	B.2.4-7b	0
Piso 1	B2	166	1.905	B.2.4-5	4.2E-05	4.2E-05	B.2.4-7b	0
Piso 1	B2	166	2.2225	B.2.4-5	4.2E-05	4.2E-05	B.2.4-7b	0
Piso 1	B2	166	2.54	B.2.4-5	4.2E-05	4.2E-05	B.2.4-7b	0
Piso 1	B2	166	2.54	B.2.4-5	4.1E-05	4.1E-05	B.2.4-7b	0
Piso 1	B2	166	2.8575	B.2.4-5	4.1E-05	4.1E-05	B.2.4-7b	0
Piso 1	B2	166	3.175	B.2.4-5	4.1E-05	4.1E-05	B.2.4-7b	0
Piso 1	B2	166	3.175	B.2.4-5	3.6E-05	3.6E-05	B.2.4-7b	0
Piso 1	B2	166	3.4925	B.2.4-5	3.6E-05	3.6E-05	B.2.4-7b	0
Piso 1	B2	166	3.81	B.2.4-5	3.6E-05	3.6E-05	B.2.4-7b	0
Piso 1	B2	166	3.81	B.2.4-5	2.5E-05	2.5E-05	B.2.4-7b	0
Piso 1	B2	166	4.1275	B.2.4-5	2.5E-05	2.5E-05	B.2.4-7b	0
Piso 1	B2	166	4.445	B.2.4-5	2.5E-05	2.5E-05	B.2.4-7b	0
Piso 1	B2	166	4.445	B.2.4-7a	1.1E-05	1.1E-05	B.2.4-7b	0
Piso 1	B2	166	4.7625	B.2.4-5	2.5E-05	2.5E-05	B.2.4-7b	0
Piso 1	B2	166	5.08	B.2.4-5b	3.9E-05	3.9E-05	B.2.4-7b	0
Piso 1	B5	191	0	B.2.4-2	0.000386	0.000386	B.2.4-5b	0.00051
Piso 1	B5	191	0.46	B.2.4-2	0.000185	0.000185	B.2.4-5b	0.0005
Piso 1	B5	191	0.92	B.2.4-2	0.000185	0.000185	B.2.4-5b	0.00048
Piso 1	B5	191	0.92	B.2.4-2	0.000192	0.000192	B.2.4-5b	0.00044
Piso 1	B5	191	1.38	B.2.4-2	0.000192	0.000192	B.2.4-5b	0.00046
Piso 1	B5	191	1.84	B.2.4-2	0.000358	0.000358	B.2.4-5b	0.00047
Piso 1	B6	192	0	B.2.4-2	0.000207	0.000207	B.2.4-7b	0.0004
Piso 1	B6	192	0.485	B.2.4-2	0.000336	0.000336	B.2.4-7b	0.00039
Piso 1	B6	192	0.97	B.2.4-2	0.000402	0.000402	B.2.4-7b	0.00038
Piso 1	B6	192	0.97	B.2.4-2	0.000402	0.000402	B.2.4-7b	0.00032
Piso 1	B6	192	1.455	B.2.4-2	0.000402	0.000402	B.2.4-7b	0.00031
Piso 1	B6	192	1.94	B.2.4-2	0.000377	0.000377	B.2.4-7b	0.0003
Piso 1	B6	192	1.94	B.2.4-2	0.000402	0.000402	B.2.4-7b	0.00032
Piso 1	B6	192	2.425	B.2.4-2	0.000387	0.000387	B.2.4-7b	0.0003
Piso 1	B6	192	2.91	B.2.4-2	0.000351	0.000351	B.2.4-7b	0.00029
Piso 1	B6	192	2.91	B.2.4-2	0.000361	0.000361	B.2.4-7b	0.00031
Piso 1	B6	192	3.396	B.2.4-2	0.000175	0.000175	B.2.4-7b	0.00032

Table: Concrete Beam Design Summary - ACI 318-08, Part 2 of 4

Story	Label	UniqueName	Station	AsBotCombo	AsMinBot	AsBot	VCombo	VRebar
Unitless	Unitless	Unitless	m	Unitless	m²	m²	Unitless	m²/m
Piso 1	B6	192	3.88	B.2.4-2	0.000175	0.000175	B.2.4-7b	0.00033
Piso 1	B6	192	3.88	B.2.4-2	0.000167	0.000167	B.2.4-7b	0.00042
Piso 1	B6	192	4.365	B.2.4-2	0.000167	0.000167	B.2.4-7b	0.00043
Piso 1	B6	192	4.85	B.2.4-2	0.000357	0.000357	B.2.4-7b	0.00044
Piso 1	B7	36	0.2	B.2.4-2	0.000285	0.000285	B.2.4-7b	0.0004
Piso 1	B7	36	0.67	B.2.4-2	0.000167	0.000167	B.2.4-7b	0.00037
Piso 1	B7	36	1.14	B.2.4-2	0.000192	0.000192	B.2.4-7b	0.00034
Piso 1	B7	36	1.61	B.2.4-2	0.000357	0.000357	B.2.4-7b	0.00031
Piso 1	B7	36	2.08	B.2.4-2	0.000402	0.000402	B.2.4-7b	0.00028
Piso 1	B7	36	2.55	B.2.4-2	0.000402	0.000419	B.2.4-7b	0.00025
Piso 1	B7	36	2.55	B.2.4-2	0.000402	0.00041	B.2.4-7b	0.00026
Piso 1	B7	36	3.04375	B.2.4-2	0.000402	0.000462	B.2.4-7b	0.00025
Piso 1	B7	36	3.5375	B.2.4-2	0.000402	0.000475	B.2.4-7b	0.00025
Piso 1	B7	36	4.03125	B.2.4-2	0.000402	0.00045	B.2.4-7b	0.00025
Piso 1	B7	36	4.525	B.2.4-2	0.000402	0.000402	B.2.4-7b	0.00027
Piso 1	B7	36	5.01875	B.2.4-2	0.000384	0.000384	B.2.4-7b	0.0003
Piso 1	B7	36	5.5125	B.2.4-2	0.000204	0.000204	B.2.4-7b	0.00034
Piso 1	B7	36	6.00625	B.2.4-2	0.000158	0.000158	B.2.4-7b	0.00037
Piso 1	B7	36	6.5	B.2.4-2	0.00033	0.00033	B.2.4-7b	0.0004

Table: Concrete Beam Design Summary - ACI 318-08, Part 3 of 4

Table: Concrete Beam Design Summary - ACI 318-08, Part 3 of 4

Story	Label	UniqueName	Station	TLngCombo	TLngRebar	TTrnCombo	TTrnRebar	WarnMsg
Unitless	Unitless	Unitless	m	Unitless	m²	Unitless	m²/m	Unitless
NV	B485	17	0.2	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B485	17	0.69444	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B485	17	1.18889	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B485	17	1.68333	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B485	17	2.17778	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B485	17	2.67222	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B485	17	3.16667	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B485	17	3.66111	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B485	17	4.15556	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B485	17	4.65	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B487	18	0.2	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B487	18	0.69444	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B487	18	1.18889	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B487	18	1.68333	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B487	18	2.17778	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B487	18	2.67222	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B487	18	3.16667	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B487	18	3.66111	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B487	18	4.15556	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B487	18	4.65	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B490	19	0.2	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B490	19	0.69444	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B490	19	1.18889	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B490	19	1.68333	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B490	19	2.17778	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B490	19	2.67222	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B490	19	3.16667	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B490	19	3.66111	B.2.4-7b	0	B.2.4-7b	0	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 3 of 4

Story	Label	UniqueName	Station	TLngCombo	TLngRebar	TTrnCombo	TTrnRebar	WarnMsg
Unitless	Unitless	Unitless	m	Unitless	m²	Unitless	m²/m	Unitless
NV	B490	19	4.15556	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B490	19	4.65	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B491	20	0.2	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B491	20	0.69444	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B491	20	1.18889	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B491	20	1.68333	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B491	20	2.17778	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B491	20	2.67222	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B491	20	3.16667	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B491	20	3.66111	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B491	20	4.15556	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B491	20	4.65	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B492	21	0.2	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B492	21	0.69444	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B492	21	1.18889	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B492	21	1.68333	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B492	21	2.17778	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B492	21	2.67222	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B492	21	3.16667	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B492	21	3.66111	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B492	21	4.15556	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B492	21	4.65	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B493	22	0.2	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B493	22	0.69545	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B493	22	1.19091	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B493	22	1.68636	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B493	22	2.18182	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B493	22	2.67727	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B493	22	3.17273	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B493	22	3.66818	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B493	22	4.16364	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B493	22	4.65909	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B493	22	5.15455	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B493	22	5.65	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B494	23	0.2	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B494	23	0.67	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B494	23	1.14	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B494	23	1.61	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B494	23	2.08	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B494	23	2.55	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B496	24	0	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B496	24	0.49375	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B496	24	0.9875	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B496	24	1.48125	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B496	24	1.975	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B496	24	2.46875	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B496	24	2.9625	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B496	24	3.45625	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B496	24	3.95	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B497	25	0.2	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B497	25	0.667	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B497	25	1.134	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B497	25	1.601	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B497	25	2.068	B.2.4-7b	0	B.2.4-7b	0	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 3 of 4

Story	Label	UniqueName	Station	TLngCombo	TLngRebar	TTrnCombo	TTrnRebar	WarnMsg
Unitless	Unitless	Unitless	m	Unitless	m²	Unitless	m²/m	Unitless
NV	B497	25	2.535	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B497	25	3.002	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B497	25	3.469	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B497	25	3.936	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B497	25	4.403	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B497	25	4.87	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B498	26	0.2	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B498	26	0.668	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B498	26	1.136	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B498	26	1.604	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B498	26	2.072	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B498	26	2.54	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B498	26	3.008	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B498	26	3.476	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B498	26	3.944	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B498	26	4.412	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B498	26	4.88	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B499	27	0.2	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B499	27	0.69545	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B499	27	1.19091	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B499	27	1.68636	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B499	27	2.18182	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B499	27	2.67727	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B499	27	3.17273	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B499	27	3.66818	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B499	27	4.16364	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B499	27	4.65909	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B499	27	5.15455	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B499	27	5.65	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B500	28	0.2	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B500	28	0.67	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B500	28	1.14	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B500	28	1.61	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B500	28	2.08	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B500	28	2.55	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B501	29	0	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B501	29	0.49375	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B501	29	0.9875	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B501	29	1.48125	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B501	29	1.975	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B501	29	2.46875	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B501	29	2.9625	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B501	29	3.45625	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B501	29	3.95	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B507	30	0.2	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B507	30	0.667	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B507	30	1.134	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B507	30	1.601	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B507	30	2.068	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B507	30	2.535	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B507	30	3.002	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B507	30	3.469	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B507	30	3.936	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B507	30	4.403	B.2.4-7b	0	B.2.4-7b	0	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 3 of 4

Story	Label	UniqueName	Station	TLngCombo	TLngRebar	TTrnCombo	TTrnRebar	WarnMsg
Unitless	Unitless	Unitless	m	Unitless	m²	Unitless	m²/m	Unitless
NV	B507	30	4.87	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B508	31	0.2	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B508	31	0.668	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B508	31	1.136	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B508	31	1.604	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B508	31	2.072	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B508	31	2.54	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B508	31	3.008	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B508	31	3.476	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B508	31	3.944	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B508	31	4.412	B.2.4-7b	0	B.2.4-7b	0	No Message
NV	B508	31	4.88	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B487	32	0.2	B.2.4-7b	0.000569	B.2.4-5b	0.00015	No Message
Piso 1	B487	32	0.47	B.2.4-7b	0.000569	B.2.4-5b	0.00015	No Message
Piso 1	B487	32	0.47	B.2.4-6b	0.000569	B.2.4-2	0.00037	No Message
Piso 1	B487	32	0.94	B.2.4-6b	0.000569	B.2.4-2	0.00037	No Message
Piso 1	B487	32	0.94	B.2.4-5b	0.000569	B.2.4-2	0.00013	No Message
Piso 1	B487	32	0.97	B.2.4-5b	0.000569	B.2.4-2	0.00013	No Message
Piso 1	B487	32	0.97	B.2.4-5b	0.000569	B.2.4-2	0.00014	No Message
Piso 1	B487	32	1.41	B.2.4-5b	0.000569	B.2.4-2	0.00014	No Message
Piso 1	B487	32	1.41	B.2.4-1	0.000569	B.2.4-2	0.00023	No Message
Piso 1	B487	32	1.51	B.2.4-1	0.000569	B.2.4-2	0.00023	No Message
Piso 1	B487	32	1.51	B.2.4-1	0.000569	B.2.4-2	0.00023	No Message
Piso 1	B487	32	1.94	B.2.4-1	0.000569	B.2.4-2	0.00023	No Message
Piso 1	B487	32	1.94	B.2.4-1	0.000569	B.2.4-2	0.00022	No Message
Piso 1	B487	32	1.98333	B.2.4-1	0.000569	B.2.4-2	0.00022	No Message
Piso 1	B487	32	1.98333	B.2.4-6b	0.000543	B.2.4-2	0.00046	No Message
Piso 1	B487	32	2.27	B.2.4-6b	0.000543	B.2.4-2	0.00046	No Message
Piso 1	B487	32	2.55667	B.2.4-6b	0.000543	B.2.4-2	0.00046	No Message
Piso 1	B487	32	2.55667	B.2.4-3b	0.000562	B.2.4-2	0.00017	No Message
Piso 1	B487	32	2.91	B.2.4-3b	0.000562	B.2.4-2	0.00017	No Message
Piso 1	B487	32	2.91	B.2.4-3b	0.000562	B.2.4-2	0.00017	No Message
Piso 1	B487	32	3.13	B.2.4-3b	0.000562	B.2.4-2	0.00017	No Message
Piso 1	B487	32	3.13	B.2.4-2	0.000569	B.2.4-2	0.00011	No Message
Piso 1	B487	32	3.41667	B.2.4-2	0.000569	B.2.4-2	0.00011	No Message
Piso 1	B487	32	3.70333	B.2.4-2	0.000569	B.2.4-2	0.00011	No Message
Piso 1	B487	32	3.70333	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B487	32	3.88	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B487	32	3.88	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B487	32	4.27667	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B487	32	4.27667	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B487	32	4.65	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B490	33	0.2	B.2.4-5b	0.000569	B.2.4-5	0.00011	No Message
Piso 1	B490	33	0.47	B.2.4-5b	0.000569	B.2.4-5	0.00011	No Message
Piso 1	B490	33	0.47	B.2.4-6b	0.000569	B.2.4-2	0.00034	No Message
Piso 1	B490	33	0.94	B.2.4-6b	0.000569	B.2.4-2	0.00034	No Message
Piso 1	B490	33	0.94	B.2.4-6a	0.000564	B.2.4-2	0.00043	No Message
Piso 1	B490	33	0.97	B.2.4-6a	0.000564	B.2.4-2	0.00043	No Message
Piso 1	B490	33	0.97	B.2.4-6a	0.000562	B.2.4-2	0.00044	No Message
Piso 1	B490	33	1.41	B.2.4-6a	0.000562	B.2.4-2	0.00044	No Message
Piso 1	B490	33	1.41	B.2.4-5b	0.000569	B.2.4-2	0.00013	No Message
Piso 1	B490	33	1.675	B.2.4-5b	0.000569	B.2.4-2	0.00013	No Message
Piso 1	B490	33	1.94	B.2.4-5b	0.000569	B.2.4-2	0.00013	No Message
Piso 1	B490	33	1.94	B.2.4-5b	0.000569	B.2.4-2	0.00012	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 3 of 4

Story	Label	UniqueName	Station	TLngCombo	TLngRebar	TTrnCombo	TTrnRebar	WarnMsg
Unitless	Unitless	Unitless	m	Unitless	m²	Unitless	m²/m	Unitless
Piso 1	B490	33	1.98333	B.2.4-5b	0.000569	B.2.4-2	0.00012	No Message
Piso 1	B490	33	1.98333	B.2.4-5	0.000569	B.2.4-2	0.00012	No Message
Piso 1	B490	33	2.27	B.2.4-5	0.000569	B.2.4-2	0.00012	No Message
Piso 1	B490	33	2.55667	B.2.4-5	0.000569	B.2.4-2	0.00012	No Message
Piso 1	B490	33	2.55667	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B490	33	2.91	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B490	33	2.91	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B490	33	3.13	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B490	33	3.13	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B490	33	3.41667	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B490	33	3.70333	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B490	33	3.70333	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B490	33	3.88	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B490	33	3.88	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B490	33	4.27667	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B490	33	4.27667	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B490	33	4.65	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B491	34	0.2	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B491	34	0.585	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B491	34	0.97	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B491	34	0.97	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B491	34	1.41	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B491	34	1.41	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B491	34	1.675	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B491	34	1.94	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B491	34	1.94	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B491	34	2.425	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B491	34	2.91	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B491	34	2.91	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B491	34	3.395	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B491	34	3.88	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B491	34	3.88	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B491	34	4.265	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B491	34	4.65	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B492	35	0.2	B.2.4-7b	0.000569	B.2.4-5b	0.00019	No Message
Piso 1	B492	35	0.47	B.2.4-7b	0.000569	B.2.4-5b	0.00019	No Message
Piso 1	B492	35	0.47	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B492	35	0.94	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B492	35	0.94	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B492	35	0.97	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B492	35	0.97	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B492	35	1.41	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B492	35	1.41	B.2.4-1	0.000552	B.2.4-2	0.0003	No Message
Piso 1	B492	35	1.675	B.2.4-1	0.000552	B.2.4-2	0.0003	No Message
Piso 1	B492	35	1.94	B.2.4-1	0.000552	B.2.4-2	0.0003	No Message
Piso 1	B492	35	1.94	B.2.4-1	0.000554	B.2.4-2	0.0003	No Message
Piso 1	B492	35	1.98333	B.2.4-1	0.000554	B.2.4-2	0.0003	No Message
Piso 1	B492	35	1.98333	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B492	35	2.27	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B492	35	2.55667	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B492	35	2.55667	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B492	35	2.91	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B492	35	2.91	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B492	35	3.13	B.2.4-7b	0	B.2.4-7b	0	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 3 of 4

Story	Label	UniqueName	Station	TLngCombo	TLngRebar	TTrnCombo	TTrnRebar	WarnMsg
Unitless	Unitless	Unitless	m	Unitless	m²	Unitless	m²/m	Unitless
Piso 1	B492	35	3.13	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B492	35	3.41667	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B492	35	3.70333	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B492	35	3.70333	B.2.4-4b	0.000529	B.2.4-2	0.00021	No Message
Piso 1	B492	35	3.88	B.2.4-4b	0.000529	B.2.4-2	0.00021	No Message
Piso 1	B492	35	3.88	B.2.4-4b	0.000524	B.2.4-2	0.00021	No Message
Piso 1	B492	35	4.27667	B.2.4-4b	0.000524	B.2.4-2	0.00021	No Message
Piso 1	B492	35	4.27667	B.2.4-7b	0.000569	B.2.4-2	0.00022	No Message
Piso 1	B492	35	4.65	B.2.4-7b	0.000569	B.2.4-2	0.00022	No Message
Piso 1	B497	37	0.2	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B497	37	0.667	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B497	37	1.134	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B497	37	1.601	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B497	37	2.068	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B497	37	2.535	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B497	37	3.002	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B497	37	3.469	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B497	37	3.936	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B497	37	4.403	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B497	37	4.87	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B498	38	0.2	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B498	38	0.668	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B498	38	1.136	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B498	38	1.604	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B498	38	2.072	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B498	38	2.54	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B498	38	3.008	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B498	38	3.476	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B498	38	3.944	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B498	38	4.412	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B498	38	4.88	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B500	39	0.2	B.2.4-5b	0.000569	B.2.4-5b	0.00011	No Message
Piso 1	B500	39	0.6375	B.2.4-5b	0.000569	B.2.4-5b	0.00011	No Message
Piso 1	B500	39	0.6375	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B500	39	0.95625	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B500	39	1.275	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B500	39	1.275	B.2.4-5b	0.000569	B.2.4-2	0.00013	No Message
Piso 1	B500	39	1.59375	B.2.4-5b	0.000569	B.2.4-2	0.00013	No Message
Piso 1	B500	39	1.9125	B.2.4-5b	0.000569	B.2.4-2	0.00013	No Message
Piso 1	B500	39	1.9125	B.2.4-6b	0.000554	B.2.4-2	0.00043	No Message
Piso 1	B500	39	2.23125	B.2.4-6b	0.000554	B.2.4-2	0.00043	No Message
Piso 1	B500	39	2.55	B.2.4-6b	0.000554	B.2.4-2	0.00043	No Message
Piso 1	B501	40	0	B.2.4-6b	0.000551	B.2.4-2	0.00045	No Message
Piso 1	B501	40	0.2594	B.2.4-6b	0.000551	B.2.4-2	0.00045	No Message
Piso 1	B501	40	0.5188	B.2.4-6b	0.000551	B.2.4-2	0.00045	No Message
Piso 1	B501	40	0.5188	B.2.4-5b	0.000569	B.2.4-2	0.00014	No Message
Piso 1	B501	40	0.77815	B.2.4-5b	0.000569	B.2.4-2	0.00014	No Message
Piso 1	B501	40	1.0375	B.2.4-5b	0.000569	B.2.4-2	0.00014	No Message
Piso 1	B501	40	1.0375	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B501	40	1.29685	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B501	40	1.5562	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B501	40	1.5562	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B501	40	1.8156	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B501	40	2.075	B.2.4-7b	0	B.2.4-7b	0	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 3 of 4

Story	Label	UniqueName	Station	TLngCombo	TLngRebar	TTrnCombo	TTrnRebar	WarnMsg
Unitless	Unitless	Unitless	m	Unitless	m²	Unitless	m²/m	Unitless
Piso 1	B501	40	2.075	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B501	40	2.3344	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B501	40	2.5938	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B501	40	2.5938	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B501	40	2.85315	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B501	40	3.1125	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B501	40	3.1125	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B501	40	3.3719	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B501	40	3.6313	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B501	40	3.6313	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B501	40	3.95	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B507	41	0.2	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B507	41	0.6338	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B507	41	0.6338	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B507	41	0.95065	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B507	41	1.2675	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B507	41	1.2675	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B507	41	1.5844	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B507	41	1.9013	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B507	41	1.9013	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B507	41	2.21815	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B507	41	2.535	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B507	41	2.535	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B507	41	2.8519	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B507	41	3.1688	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B507	41	3.1688	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B507	41	3.48565	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B507	41	3.8025	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B507	41	3.8025	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B507	41	4.11935	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B507	41	4.4362	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B507	41	4.4362	B.2.4-7a	0.000538	B.2.4-5b	0.00026	No Message
Piso 1	B507	41	4.87	B.2.4-7a	0.000538	B.2.4-5b	0.00026	No Message
Piso 1	B508	42	0.2	B.2.4-7b	0.000536	B.2.4-5	0.00026	No Message
Piso 1	B508	42	0.635	B.2.4-7b	0.000536	B.2.4-5	0.00026	No Message
Piso 1	B508	42	0.635	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B508	42	0.9525	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B508	42	1.27	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B508	42	1.27	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B508	42	1.5875	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B508	42	1.905	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B508	42	1.905	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B508	42	2.2225	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B508	42	2.54	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B508	42	2.54	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B508	42	2.8575	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B508	42	3.175	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B508	42	3.175	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B508	42	3.4925	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B508	42	3.81	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B508	42	3.81	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B508	42	4.1275	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B508	42	4.445	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B508	42	4.445	B.2.4-7b	0	B.2.4-7b	0	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 3 of 4

Story	Label	UniqueName	Station	TLngCombo	TLngRebar	TTrnCombo	TTrnRebar	WarnMsg
Unitless	Unitless	Unitless	m	Unitless	m²	Unitless	m²/m	Unitless
Piso 1	B508	42	4.88	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B570	43	0	B.2.4-6b	0.000547	B.2.4-2	0.00047	No Message
Piso 1	B570	43	0.2594	B.2.4-6b	0.000547	B.2.4-2	0.00047	No Message
Piso 1	B570	43	0.5188	B.2.4-6b	0.000547	B.2.4-2	0.00047	No Message
Piso 1	B570	43	0.5188	B.2.4-5b	0.000569	B.2.4-2	0.00014	No Message
Piso 1	B570	43	0.77815	B.2.4-5b	0.000569	B.2.4-2	0.00014	No Message
Piso 1	B570	43	1.0375	B.2.4-5b	0.000569	B.2.4-2	0.00014	No Message
Piso 1	B570	43	1.0375	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B570	43	1.29685	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B570	43	1.5562	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B570	43	1.5562	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B570	43	1.8156	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B570	43	2.075	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B570	43	2.075	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B570	43	2.3344	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B570	43	2.5938	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B570	43	2.5938	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B570	43	2.85315	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B570	43	3.1125	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B570	43	3.1125	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B570	43	3.3719	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B570	43	3.6313	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B570	43	3.6313	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B570	43	3.89065	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B570	43	4.15	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B571	44	0	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B571	44	0.3169	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B571	44	0.6338	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B571	44	0.6338	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B571	44	0.95065	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B571	44	1.2675	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B571	44	1.2675	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B571	44	1.5844	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B571	44	1.9013	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B571	44	1.9013	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B571	44	2.21815	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B571	44	2.535	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B571	44	2.535	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B571	44	2.8519	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B571	44	3.1688	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B571	44	3.1688	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B571	44	3.48585	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B571	44	3.8025	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B571	44	3.8025	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B571	44	4.11935	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B571	44	4.4362	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B571	44	4.4362	B.2.4-4b	0.000567	B.2.4-2	0.00015	No Message
Piso 1	B571	44	4.7531	B.2.4-4b	0.000567	B.2.4-2	0.00015	No Message
Piso 1	B571	44	5.07	B.2.4-4b	0.000567	B.2.4-2	0.00015	No Message
Piso 1	B572	45	0	B.2.4-4b	0.000565	B.2.4-2	0.00016	No Message
Piso 1	B572	45	0.3175	B.2.4-4b	0.000565	B.2.4-2	0.00016	No Message
Piso 1	B572	45	0.635	B.2.4-4b	0.000565	B.2.4-2	0.00016	No Message
Piso 1	B572	45	0.635	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B572	45	0.9525	B.2.4-7b	0	B.2.4-7b	0	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 3 of 4

Story	Label	UniqueName	Station	TLngCombo	TLngRebar	TTrnCombo	TTrnRebar	WarnMsg
Unitless	Unitless	Unitless	m	Unitless	m²	Unitless	m²/m	Unitless
Piso 1	B572	45	1.27	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B572	45	1.27	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B572	45	1.5875	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B572	45	1.905	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B572	45	1.905	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B572	45	2.2225	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B572	45	2.54	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B572	45	2.54	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B572	45	2.8575	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B572	45	3.175	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B572	45	3.175	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B572	45	3.4925	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B572	45	3.81	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B572	45	3.81	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B572	45	4.1275	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B572	45	4.445	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B572	45	4.445	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B572	45	4.7625	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B572	45	5.08	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B573	46	0	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B573	46	0.31875	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B573	46	0.6375	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B573	46	0.6375	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B573	46	0.95625	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B573	46	1.275	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B573	46	1.275	B.2.4-5b	0.000569	B.2.4-2	0.00013	No Message
Piso 1	B573	46	1.59375	B.2.4-5b	0.000569	B.2.4-2	0.00013	No Message
Piso 1	B573	46	1.9125	B.2.4-5b	0.000569	B.2.4-2	0.00013	No Message
Piso 1	B573	46	1.9125	B.2.4-6b	0.000553	B.2.4-2	0.00045	No Message
Piso 1	B573	46	2.23125	B.2.4-6b	0.000553	B.2.4-2	0.00045	No Message
Piso 1	B573	46	2.55	B.2.4-6b	0.000553	B.2.4-2	0.00045	No Message
Piso 1	B477	47	0	B.2.4-5b	0.000569	B.2.4-2	0.00014	No Message
Piso 1	B477	47	0.26	B.2.4-5b	0.000569	B.2.4-2	0.00014	No Message
Piso 1	B477	47	0.52	B.2.4-5b	0.000569	B.2.4-2	0.00014	No Message
Piso 1	B477	47	0.52	B.2.4-5b	0.000569	B.2.4-5	0.00012	No Message
Piso 1	B477	47	0.92	B.2.4-5b	0.000569	B.2.4-5	0.00012	No Message
Piso 1	B477	47	0.92	B.2.4-5b	0.000569	B.2.4-5	0.00012	No Message
Piso 1	B477	47	1.18	B.2.4-5b	0.000569	B.2.4-5	0.00012	No Message
Piso 1	B477	47	1.18	B.2.4-5	0.000569	B.2.4-5	0.00012	No Message
Piso 1	B477	47	1.64	B.2.4-5	0.000569	B.2.4-5	0.00012	No Message
Piso 1	B481	48	0	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B481	48	0.26	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B481	48	0.52	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B481	48	0.52	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B481	48	0.92	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B481	48	0.92	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B481	48	1.18	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B481	48	1.18	B.2.4-5b	0.000569	B.2.4-5b	0.00011	No Message
Piso 1	B481	48	1.64	B.2.4-5b	0.000569	B.2.4-5b	0.00011	No Message
Piso 1	B483	49	0	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B483	49	0.46	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B483	49	0.92	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B483	49	0.92	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B483	49	1.28	B.2.4-7b	0	B.2.4-7b	0	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 3 of 4

Story	Label	UniqueName	Station	TLngCombo	TLngRebar	TTrnCombo	TTrnRebar	WarnMsg
Unitless	Unitless	Unitless	m	Unitless	m²	Unitless	m²/m	Unitless
Piso 1	B483	49	1.64	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B575	50	0	B.2.4-3b	0.000547	B.2.4-2	0.00019	No Message
Piso 1	B575	50	0.26	B.2.4-3b	0.000547	B.2.4-2	0.00019	No Message
Piso 1	B575	50	0.52	B.2.4-3b	0.000547	B.2.4-2	0.00019	No Message
Piso 1	B575	50	0.52	B.2.4-2	0.000569	B.2.4-2	0.0001	No Message
Piso 1	B575	50	0.92	B.2.4-2	0.000569	B.2.4-2	0.0001	No Message
Piso 1	B575	50	0.92	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B575	50	1.18	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B575	50	1.18	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B575	50	1.64	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B581	51	0	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B581	51	0.46182	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B581	51	0.92364	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B581	51	1.38545	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B581	51	1.84727	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B581	51	2.30909	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B581	51	2.77091	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B581	51	3.23273	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B581	51	3.69455	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B581	51	4.15636	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B581	51	4.61818	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B581	51	5.08	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B582	52	0	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B582	52	0.46182	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B582	52	0.92364	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B582	52	1.38545	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B582	52	1.84727	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B582	52	2.30909	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B582	52	2.77091	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B582	52	3.23273	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B582	52	3.69455	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B582	52	4.15636	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B582	52	4.61818	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B582	52	5.08	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B583	53	0	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B583	53	0.46182	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B583	53	0.92364	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B583	53	1.38545	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B583	53	1.84727	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B583	53	2.30909	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B583	53	2.77091	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B583	53	3.23273	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B583	53	3.69455	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B583	53	4.15636	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B583	53	4.61818	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B583	53	5.08	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B585	54	0	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B585	54	0.46091	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B585	54	0.92182	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B585	54	1.38273	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B585	54	1.84364	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B585	54	2.30455	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B585	54	2.76545	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B585	54	3.22636	B.2.4-7b	0	B.2.4-7b	0	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 3 of 4

Story	Label	UniqueName	Station	TLngCombo	TLngRebar	TTrnCombo	TTrnRebar	WarnMsg
Unitless	Unitless	Unitless	m	Unitless	m²	Unitless	m²/m	Unitless
Piso 1	B585	54	3.68727	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B585	54	4.14818	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B585	54	4.60909	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B585	54	5.07	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B586	55	0	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B586	55	0.46091	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B586	55	0.92182	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B586	55	1.38273	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B586	55	1.84364	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B586	55	2.30455	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B586	55	2.76545	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B586	55	3.22636	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B586	55	3.68727	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B586	55	4.14818	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B586	55	4.60909	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B586	55	5.07	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B587	56	0	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B587	56	0.46091	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B587	56	0.92182	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B587	56	1.38273	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B587	56	1.84364	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B587	56	2.30455	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B587	56	2.76545	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B587	56	3.22636	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B587	56	3.68727	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B587	56	4.14818	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B587	56	4.60909	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B587	56	5.07	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B588	57	0	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B588	57	0.46111	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B588	57	0.92222	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B588	57	1.38333	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B588	57	1.84444	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B588	57	2.30556	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B588	57	2.76667	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B588	57	3.22778	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B588	57	3.68889	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B588	57	4.15	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B589	58	0	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B589	58	0.46111	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B589	58	0.92222	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B589	58	1.38333	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B589	58	1.84444	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B589	58	2.30556	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B589	58	2.76667	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B589	58	3.22778	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B589	58	3.68889	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B589	58	4.15	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B590	59	0	B.2.4-2	0.000337	B.2.4-2	0.0001	No Message
Piso 1	B590	59	0.46111	B.2.4-2	0.000337	B.2.4-2	0.0001	No Message
Piso 1	B590	59	0.92222	B.2.4-2	0.000337	B.2.4-2	0.0001	No Message
Piso 1	B590	59	1.38333	B.2.4-2	0.000337	B.2.4-2	0.0001	No Message
Piso 1	B590	59	1.84444	B.2.4-2	0.000337	B.2.4-2	0.0001	No Message
Piso 1	B590	59	2.30556	B.2.4-2	0.000337	B.2.4-2	0.0001	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 3 of 4

Story	Label	UniqueName	Station	TLngCombo	TLngRebar	TTrnCombo	TTrnRebar	WarnMsg
Unitless	Unitless	Unitless	m	Unitless	m²	Unitless	m²/m	Unitless
Piso 1	B590	59	2.76667	B.2.4-2	0.000337	B.2.4-2	0.0001	No Message
Piso 1	B590	59	3.22778	B.2.4-2	0.000337	B.2.4-2	0.0001	No Message
Piso 1	B590	59	3.68889	B.2.4-2	0.000337	B.2.4-2	0.0001	No Message
Piso 1	B590	59	4.15	B.2.4-2	0.000337	B.2.4-2	0.0001	No Message
Piso 1	B591	60	0	B.2.4-4b	0.000334	B.2.4-2	0.00013	No Message
Piso 1	B591	60	0.46111	B.2.4-4b	0.000334	B.2.4-2	0.00013	No Message
Piso 1	B591	60	0.92222	B.2.4-4b	0.000334	B.2.4-2	0.00013	No Message
Piso 1	B591	60	1.38333	B.2.4-4b	0.000334	B.2.4-2	0.00013	No Message
Piso 1	B591	60	1.84444	B.2.4-4b	0.000334	B.2.4-2	0.00013	No Message
Piso 1	B591	60	2.30556	B.2.4-4b	0.000334	B.2.4-2	0.00013	No Message
Piso 1	B591	60	2.76667	B.2.4-4b	0.000334	B.2.4-2	0.00013	No Message
Piso 1	B591	60	3.22778	B.2.4-4b	0.000334	B.2.4-2	0.00013	No Message
Piso 1	B591	60	3.68889	B.2.4-4b	0.000334	B.2.4-2	0.00013	No Message
Piso 1	B591	60	4.15	B.2.4-4b	0.000334	B.2.4-2	0.00013	No Message
Piso 1	B592	61	0	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B592	61	0.425	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B592	61	0.85	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B592	61	1.275	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B592	61	1.7	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B592	61	2.125	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B592	61	2.55	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B594	62	0	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B594	62	0.425	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B594	62	0.85	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B594	62	1.275	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B594	62	1.7	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B594	62	2.125	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B594	62	2.55	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B576	63	0	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B576	63	0.46182	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B576	63	0.92364	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B576	63	1.38545	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B576	63	1.84727	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B576	63	2.30909	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B576	63	2.77091	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B576	63	3.23273	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B576	63	3.69455	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B576	63	4.15636	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B576	63	4.61818	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B576	63	5.08	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B577	64	0	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B577	64	0.46091	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B577	64	0.92182	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B577	64	1.38273	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B577	64	1.84364	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B577	64	2.30455	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B577	64	2.76545	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B577	64	3.22636	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B577	64	3.68727	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B577	64	4.14818	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B577	64	4.60909	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B577	64	5.07	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B605	65	0	B.2.4-1	0.000332	B.2.4-2	0.00021	No Message
Piso 1	B605	65	0.425	B.2.4-1	0.000332	B.2.4-2	0.00021	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 3 of 4

Story	Label	UniqueName	Station	TLngCombo	TLngRebar	TTrnCombo	TTrnRebar	WarnMsg
Unitless	Unitless	Unitless	m	Unitless	m²	Unitless	m²/m	Unitless
Piso 1	B605	65	0.85	B.2.4-1	0.000332	B.2.4-2	0.00021	No Message
Piso 1	B605	65	1.275	B.2.4-1	0.000332	B.2.4-2	0.00021	No Message
Piso 1	B605	65	1.7	B.2.4-1	0.000332	B.2.4-2	0.00021	No Message
Piso 1	B605	65	2.125	B.2.4-1	0.000332	B.2.4-2	0.00021	No Message
Piso 1	B605	65	2.55	B.2.4-1	0.000332	B.2.4-2	0.00021	No Message
Piso 1	B605	65	2.55	B.2.4-4b	0.000336	B.2.4-2	0.00013	No Message
Piso 1	B605	65	3.01111	B.2.4-4b	0.000336	B.2.4-2	0.00013	No Message
Piso 1	B605	65	3.47222	B.2.4-4b	0.000336	B.2.4-2	0.00013	No Message
Piso 1	B605	65	3.93333	B.2.4-4b	0.000336	B.2.4-2	0.00013	No Message
Piso 1	B605	65	4.39444	B.2.4-4b	0.000336	B.2.4-2	0.00013	No Message
Piso 1	B605	65	4.85556	B.2.4-4b	0.000336	B.2.4-2	0.00013	No Message
Piso 1	B605	65	5.31667	B.2.4-4b	0.000336	B.2.4-2	0.00013	No Message
Piso 1	B605	65	5.77778	B.2.4-4b	0.000336	B.2.4-2	0.00013	No Message
Piso 1	B605	65	6.23889	B.2.4-4b	0.000336	B.2.4-2	0.00013	No Message
Piso 1	B605	65	6.7	B.2.4-4b	0.000336	B.2.4-2	0.00013	No Message
Piso 1	B1	165	0	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B1	165	0.3169	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B1	165	0.6338	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B1	165	0.6338	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B1	165	0.95065	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B1	165	1.2675	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B1	165	1.2675	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B1	165	1.5844	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B1	165	1.9013	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B1	165	1.9013	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B1	165	2.21815	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B1	165	2.535	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B1	165	2.535	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B1	165	2.8519	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B1	165	3.1688	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B1	165	3.1688	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B1	165	3.48565	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B1	165	3.8025	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B1	165	3.8025	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B1	165	4.11935	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B1	165	4.4362	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B1	165	4.4362	B.2.4-3b	0.000537	B.2.4-2	0.00022	No Message
Piso 1	B1	165	4.7531	B.2.4-3b	0.000537	B.2.4-2	0.00022	No Message
Piso 1	B1	165	5.07	B.2.4-3b	0.000537	B.2.4-2	0.00022	No Message
Piso 1	B2	166	0	B.2.4-3b	0.000537	B.2.4-2	0.00022	No Message
Piso 1	B2	166	0.3175	B.2.4-3b	0.000537	B.2.4-2	0.00022	No Message
Piso 1	B2	166	0.635	B.2.4-3b	0.000537	B.2.4-2	0.00022	No Message
Piso 1	B2	166	0.635	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B2	166	0.9525	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B2	166	1.27	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B2	166	1.27	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B2	166	1.5875	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B2	166	1.905	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B2	166	1.905	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B2	166	2.2225	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B2	166	2.54	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B2	166	2.54	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B2	166	2.8575	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B2	166	3.175	B.2.4-7b	0	B.2.4-7b	0	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 3 of 4

Story	Label	UniqueName	Station	TLngCombo	TLngRebar	TTrnCombo	TTrnRebar	WarnMsg
Unitless	Unitless	Unitless	m	Unitless	m²	Unitless	m²/m	Unitless
Piso 1	B2	166	3.175	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B2	166	3.4925	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B2	166	3.81	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B2	166	3.81	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B2	166	4.1275	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B2	166	4.445	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B2	166	4.445	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B2	166	4.7625	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B2	166	5.08	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B5	191	0	B.2.4-1	0.000569	B.2.4-2	0.00026	No Message
Piso 1	B5	191	0.46	B.2.4-1	0.000569	B.2.4-2	0.00026	No Message
Piso 1	B5	191	0.92	B.2.4-1	0.000569	B.2.4-2	0.00026	No Message
Piso 1	B5	191	0.92	B.2.4-5b	0.000569	B.2.4-2	0.00014	No Message
Piso 1	B5	191	1.38	B.2.4-5b	0.000569	B.2.4-2	0.00014	No Message
Piso 1	B5	191	1.84	B.2.4-5b	0.000569	B.2.4-2	0.00014	No Message
Piso 1	B6	192	0	B.2.4-5b	0.000569	B.2.4-2	0.00013	No Message
Piso 1	B6	192	0.485	B.2.4-5b	0.000569	B.2.4-2	0.00013	No Message
Piso 1	B6	192	0.97	B.2.4-5b	0.000569	B.2.4-2	0.00013	No Message
Piso 1	B6	192	0.97	B.2.4-2	0.000569	B.2.4-2	0.00012	No Message
Piso 1	B6	192	1.455	B.2.4-2	0.000569	B.2.4-2	0.00012	No Message
Piso 1	B6	192	1.94	B.2.4-2	0.000569	B.2.4-2	0.00012	No Message
Piso 1	B6	192	1.94	B.2.4-7b	0.000569	B.2.4-2	0.00029	No Message
Piso 1	B6	192	2.425	B.2.4-7b	0.000569	B.2.4-2	0.00029	No Message
Piso 1	B6	192	2.91	B.2.4-7b	0.000569	B.2.4-2	0.00029	No Message
Piso 1	B6	192	2.91	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B6	192	3.395	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B6	192	3.88	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B6	192	3.88	B.2.4-1	0.000569	B.2.4-2	0.00026	No Message
Piso 1	B6	192	4.365	B.2.4-1	0.000569	B.2.4-2	0.00026	No Message
Piso 1	B6	192	4.85	B.2.4-1	0.000569	B.2.4-2	0.00026	No Message
Piso 1	B7	36	0.2	B.2.4-1	0.000568	B.2.4-2	0.00025	No Message
Piso 1	B7	36	0.67	B.2.4-1	0.000568	B.2.4-2	0.00025	No Message
Piso 1	B7	36	1.14	B.2.4-1	0.000568	B.2.4-2	0.00025	No Message
Piso 1	B7	36	1.61	B.2.4-1	0.000568	B.2.4-2	0.00025	No Message
Piso 1	B7	36	2.08	B.2.4-1	0.000568	B.2.4-2	0.00025	No Message
Piso 1	B7	36	2.55	B.2.4-1	0.000568	B.2.4-2	0.00025	No Message
Piso 1	B7	36	2.55	B.2.4-4b	0.000569	B.2.4-2	0.00016	No Message
Piso 1	B7	36	3.04375	B.2.4-4b	0.000569	B.2.4-2	0.00016	No Message
Piso 1	B7	36	3.5375	B.2.4-4b	0.000569	B.2.4-2	0.00016	No Message
Piso 1	B7	36	4.03125	B.2.4-4b	0.000569	B.2.4-2	0.00016	No Message
Piso 1	B7	36	4.525	B.2.4-4b	0.000569	B.2.4-2	0.00016	No Message
Piso 1	B7	36	5.01875	B.2.4-4b	0.000569	B.2.4-2	0.00016	No Message
Piso 1	B7	36	5.5125	B.2.4-4b	0.000569	B.2.4-2	0.00016	No Message
Piso 1	B7	36	6.00625	B.2.4-4b	0.000569	B.2.4-2	0.00016	No Message
Piso 1	B7	36	6.5	B.2.4-4b	0.000569	B.2.4-2	0.00016	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 4 of 4

Table: Concrete Beam Design Summary - ACI 318-08, Part 4 of 4

Story	Label	UniqueName	Station	ErrMsg
Unitless	Unitless	Unitless	m	Unitless
NV	B485	17	0.2	No Message
NV	B485	17	0.69444	No Message
NV	B485	17	1.18889	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 4 of 4

Story	Label	UniqueName	Station	ErrMsg
Unitless	Unitless	Unitless	m	Unitless
NV	B485	17	1.68333	No Message
NV	B485	17	2.17778	No Message
NV	B485	17	2.67222	No Message
NV	B485	17	3.16667	No Message
NV	B485	17	3.66111	No Message
NV	B485	17	4.15556	No Message
NV	B485	17	4.65	No Message
NV	B487	18	0.2	No Message
NV	B487	18	0.69444	No Message
NV	B487	18	1.18889	No Message
NV	B487	18	1.68333	No Message
NV	B487	18	2.17778	No Message
NV	B487	18	2.67222	No Message
NV	B487	18	3.16667	No Message
NV	B487	18	3.66111	No Message
NV	B487	18	4.15556	No Message
NV	B487	18	4.65	No Message
NV	B490	19	0.2	No Message
NV	B490	19	0.69444	No Message
NV	B490	19	1.18889	No Message
NV	B490	19	1.68333	No Message
NV	B490	19	2.17778	No Message
NV	B490	19	2.67222	No Message
NV	B490	19	3.16667	No Message
NV	B490	19	3.66111	No Message
NV	B490	19	4.15556	No Message
NV	B490	19	4.65	No Message
NV	B491	20	0.2	No Message
NV	B491	20	0.69444	No Message
NV	B491	20	1.18889	No Message
NV	B491	20	1.68333	No Message
NV	B491	20	2.17778	No Message
NV	B491	20	2.67222	No Message
NV	B491	20	3.16667	No Message
NV	B491	20	3.66111	No Message
NV	B491	20	4.15556	No Message
NV	B491	20	4.65	No Message
NV	B492	21	0.2	No Message
NV	B492	21	0.69444	No Message
NV	B492	21	1.18889	No Message
NV	B492	21	1.68333	No Message
NV	B492	21	2.17778	No Message
NV	B492	21	2.67222	No Message
NV	B492	21	3.16667	No Message
NV	B492	21	3.66111	No Message
NV	B492	21	4.15556	No Message
NV	B492	21	4.65	No Message
NV	B493	22	0.2	No Message
NV	B493	22	0.69545	No Message
NV	B493	22	1.19091	No Message
NV	B493	22	1.68636	No Message
NV	B493	22	2.18182	No Message
NV	B493	22	2.67727	No Message
NV	B493	22	3.17273	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 4 of 4

Story	Label	UniqueName	Station	ErrMsg
Unitless	Unitless	Unitless	m	Unitless
NV	B493	22	3.66818	No Message
NV	B493	22	4.16364	No Message
NV	B493	22	4.65909	No Message
NV	B493	22	5.15455	No Message
NV	B493	22	5.65	No Message
NV	B494	23	0.2	No Message
NV	B494	23	0.67	No Message
NV	B494	23	1.14	No Message
NV	B494	23	1.61	No Message
NV	B494	23	2.08	No Message
NV	B494	23	2.55	No Message
NV	B496	24	0	No Message
NV	B496	24	0.49375	No Message
NV	B496	24	0.9875	No Message
NV	B496	24	1.48125	No Message
NV	B496	24	1.975	No Message
NV	B496	24	2.46875	No Message
NV	B496	24	2.9625	No Message
NV	B496	24	3.45625	No Message
NV	B496	24	3.95	No Message
NV	B497	25	0.2	No Message
NV	B497	25	0.667	No Message
NV	B497	25	1.134	No Message
NV	B497	25	1.601	No Message
NV	B497	25	2.068	No Message
NV	B497	25	2.535	No Message
NV	B497	25	3.002	No Message
NV	B497	25	3.469	No Message
NV	B497	25	3.936	No Message
NV	B497	25	4.403	No Message
NV	B497	25	4.87	No Message
NV	B498	26	0.2	No Message
NV	B498	26	0.668	No Message
NV	B498	26	1.136	No Message
NV	B498	26	1.604	No Message
NV	B498	26	2.072	No Message
NV	B498	26	2.54	No Message
NV	B498	26	3.008	No Message
NV	B498	26	3.476	No Message
NV	B498	26	3.944	No Message
NV	B498	26	4.412	No Message
NV	B498	26	4.88	No Message
NV	B499	27	0.2	No Message
NV	B499	27	0.69545	No Message
NV	B499	27	1.19091	No Message
NV	B499	27	1.68636	No Message
NV	B499	27	2.18182	No Message
NV	B499	27	2.67727	No Message
NV	B499	27	3.17273	No Message
NV	B499	27	3.66818	No Message
NV	B499	27	4.16364	No Message
NV	B499	27	4.65909	No Message
NV	B499	27	5.15455	No Message
NV	B499	27	5.65	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 4 of 4

Story	Label	UniqueName	Station	ErrMsg
Unitless	Unitless	Unitless	m	Unitless
NV	B500	28	0.2	No Message
NV	B500	28	0.67	No Message
NV	B500	28	1.14	No Message
NV	B500	28	1.61	No Message
NV	B500	28	2.08	No Message
NV	B500	28	2.55	No Message
NV	B501	29	0	No Message
NV	B501	29	0.49375	No Message
NV	B501	29	0.9875	No Message
NV	B501	29	1.48125	No Message
NV	B501	29	1.975	No Message
NV	B501	29	2.46875	No Message
NV	B501	29	2.9625	No Message
NV	B501	29	3.45625	No Message
NV	B501	29	3.95	No Message
NV	B507	30	0.2	No Message
NV	B507	30	0.667	No Message
NV	B507	30	1.134	No Message
NV	B507	30	1.601	No Message
NV	B507	30	2.068	No Message
NV	B507	30	2.535	No Message
NV	B507	30	3.002	No Message
NV	B507	30	3.469	No Message
NV	B507	30	3.936	No Message
NV	B507	30	4.403	No Message
NV	B507	30	4.87	No Message
NV	B508	31	0.2	No Message
NV	B508	31	0.668	No Message
NV	B508	31	1.136	No Message
NV	B508	31	1.604	No Message
NV	B508	31	2.072	No Message
NV	B508	31	2.54	No Message
NV	B508	31	3.008	No Message
NV	B508	31	3.476	No Message
NV	B508	31	3.944	No Message
NV	B508	31	4.412	No Message
NV	B508	31	4.88	No Message
Piso 1	B487	32	0.2	No Message
Piso 1	B487	32	0.47	No Message
Piso 1	B487	32	0.47	No Message
Piso 1	B487	32	0.94	No Message
Piso 1	B487	32	0.94	No Message
Piso 1	B487	32	0.97	No Message
Piso 1	B487	32	0.97	No Message
Piso 1	B487	32	1.41	No Message
Piso 1	B487	32	1.41	No Message
Piso 1	B487	32	1.51	No Message
Piso 1	B487	32	1.51	No Message
Piso 1	B487	32	1.94	No Message
Piso 1	B487	32	1.94	No Message
Piso 1	B487	32	1.98333	No Message
Piso 1	B487	32	1.98333	No Message
Piso 1	B487	32	2.27	No Message
Piso 1	B487	32	2.55667	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 4 of 4

Story	Label	UniqueName	Station	ErrMsg
Unitless	Unitless	Unitless	m	Unitless
Piso 1	B487	32	2.55667	No Message
Piso 1	B487	32	2.91	No Message
Piso 1	B487	32	2.91	No Message
Piso 1	B487	32	3.13	No Message
Piso 1	B487	32	3.13	No Message
Piso 1	B487	32	3.41667	No Message
Piso 1	B487	32	3.70333	No Message
Piso 1	B487	32	3.70333	No Message
Piso 1	B487	32	3.88	No Message
Piso 1	B487	32	3.88	No Message
Piso 1	B487	32	4.27667	No Message
Piso 1	B487	32	4.27667	No Message
Piso 1	B487	32	4.65	No Message
Piso 1	B490	33	0.2	No Message
Piso 1	B490	33	0.47	No Message
Piso 1	B490	33	0.47	No Message
Piso 1	B490	33	0.94	No Message
Piso 1	B490	33	0.94	No Message
Piso 1	B490	33	0.97	No Message
Piso 1	B490	33	0.97	No Message
Piso 1	B490	33	1.41	No Message
Piso 1	B490	33	1.41	No Message
Piso 1	B490	33	1.675	No Message
Piso 1	B490	33	1.94	No Message
Piso 1	B490	33	1.94	No Message
Piso 1	B490	33	1.98333	No Message
Piso 1	B490	33	1.98333	No Message
Piso 1	B490	33	2.27	No Message
Piso 1	B490	33	2.55667	No Message
Piso 1	B490	33	2.55667	No Message
Piso 1	B490	33	2.91	No Message
Piso 1	B490	33	2.91	No Message
Piso 1	B490	33	3.13	No Message
Piso 1	B490	33	3.13	No Message
Piso 1	B490	33	3.41667	No Message
Piso 1	B490	33	3.70333	No Message
Piso 1	B490	33	3.70333	No Message
Piso 1	B490	33	3.88	No Message
Piso 1	B490	33	3.88	No Message
Piso 1	B490	33	4.27667	No Message
Piso 1	B490	33	4.27667	No Message
Piso 1	B490	33	4.65	No Message
Piso 1	B491	34	0.2	No Message
Piso 1	B491	34	0.585	No Message
Piso 1	B491	34	0.97	No Message
Piso 1	B491	34	0.97	No Message
Piso 1	B491	34	1.41	No Message
Piso 1	B491	34	1.41	No Message
Piso 1	B491	34	1.675	No Message
Piso 1	B491	34	1.94	No Message
Piso 1	B491	34	1.94	No Message
Piso 1	B491	34	2.425	No Message
Piso 1	B491	34	2.91	No Message
Piso 1	B491	34	2.91	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 4 of 4

Story	Label	UniqueName	Station	ErrMsg
Unitless	Unitless	Unitless	m	Unitless
Piso 1	B491	34	3.395	No Message
Piso 1	B491	34	3.88	No Message
Piso 1	B491	34	3.88	No Message
Piso 1	B491	34	4.265	No Message
Piso 1	B491	34	4.65	No Message
Piso 1	B492	35	0.2	No Message
Piso 1	B492	35	0.47	No Message
Piso 1	B492	35	0.47	No Message
Piso 1	B492	35	0.94	No Message
Piso 1	B492	35	0.94	No Message
Piso 1	B492	35	0.97	No Message
Piso 1	B492	35	0.97	No Message
Piso 1	B492	35	1.41	No Message
Piso 1	B492	35	1.41	No Message
Piso 1	B492	35	1.675	No Message
Piso 1	B492	35	1.94	No Message
Piso 1	B492	35	1.94	No Message
Piso 1	B492	35	1.98333	No Message
Piso 1	B492	35	1.98333	No Message
Piso 1	B492	35	2.27	No Message
Piso 1	B492	35	2.55667	No Message
Piso 1	B492	35	2.55667	No Message
Piso 1	B492	35	2.91	No Message
Piso 1	B492	35	2.91	No Message
Piso 1	B492	35	3.13	No Message
Piso 1	B492	35	3.13	No Message
Piso 1	B492	35	3.41667	No Message
Piso 1	B492	35	3.70333	No Message
Piso 1	B492	35	3.70333	No Message
Piso 1	B492	35	3.88	No Message
Piso 1	B492	35	3.88	No Message
Piso 1	B492	35	4.27667	No Message
Piso 1	B492	35	4.27667	No Message
Piso 1	B492	35	4.65	No Message
Piso 1	B497	37	0.2	No Message
Piso 1	B497	37	0.667	No Message
Piso 1	B497	37	1.134	No Message
Piso 1	B497	37	1.601	No Message
Piso 1	B497	37	2.068	No Message
Piso 1	B497	37	2.535	No Message
Piso 1	B497	37	3.002	No Message
Piso 1	B497	37	3.469	No Message
Piso 1	B497	37	3.936	No Message
Piso 1	B497	37	4.403	No Message
Piso 1	B497	37	4.87	No Message
Piso 1	B498	38	0.2	No Message
Piso 1	B498	38	0.668	No Message
Piso 1	B498	38	1.136	No Message
Piso 1	B498	38	1.604	No Message
Piso 1	B498	38	2.072	No Message
Piso 1	B498	38	2.54	No Message
Piso 1	B498	38	3.008	No Message
Piso 1	B498	38	3.476	No Message
Piso 1	B498	38	3.944	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 4 of 4

Story	Label	UniqueName	Station	ErrMsg
Unitless	Unitless	Unitless	m	Unitless
Piso 1	B498	38	4.412	No Message
Piso 1	B498	38	4.88	No Message
Piso 1	B500	39	0.2	No Message
Piso 1	B500	39	0.6375	No Message
Piso 1	B500	39	0.6375	No Message
Piso 1	B500	39	0.95625	No Message
Piso 1	B500	39	1.275	No Message
Piso 1	B500	39	1.275	No Message
Piso 1	B500	39	1.59375	No Message
Piso 1	B500	39	1.9125	No Message
Piso 1	B500	39	1.9125	No Message
Piso 1	B500	39	2.23125	No Message
Piso 1	B500	39	2.55	No Message
Piso 1	B501	40	0	No Message
Piso 1	B501	40	0.2594	No Message
Piso 1	B501	40	0.5188	No Message
Piso 1	B501	40	0.5188	No Message
Piso 1	B501	40	0.77815	No Message
Piso 1	B501	40	1.0375	No Message
Piso 1	B501	40	1.0375	No Message
Piso 1	B501	40	1.29685	No Message
Piso 1	B501	40	1.5562	No Message
Piso 1	B501	40	1.5562	No Message
Piso 1	B501	40	1.8156	No Message
Piso 1	B501	40	2.075	No Message
Piso 1	B501	40	2.075	No Message
Piso 1	B501	40	2.3344	No Message
Piso 1	B501	40	2.5938	No Message
Piso 1	B501	40	2.5938	No Message
Piso 1	B501	40	2.85315	No Message
Piso 1	B501	40	3.1125	No Message
Piso 1	B501	40	3.1125	No Message
Piso 1	B501	40	3.3719	No Message
Piso 1	B501	40	3.6313	No Message
Piso 1	B501	40	3.6313	No Message
Piso 1	B501	40	3.95	No Message
Piso 1	B507	41	0.2	No Message
Piso 1	B507	41	0.6338	No Message
Piso 1	B507	41	0.6338	No Message
Piso 1	B507	41	0.95065	No Message
Piso 1	B507	41	1.2675	No Message
Piso 1	B507	41	1.2675	No Message
Piso 1	B507	41	1.5844	No Message
Piso 1	B507	41	1.9013	No Message
Piso 1	B507	41	1.9013	No Message
Piso 1	B507	41	2.21815	No Message
Piso 1	B507	41	2.535	No Message
Piso 1	B507	41	2.535	No Message
Piso 1	B507	41	2.8519	No Message
Piso 1	B507	41	3.1688	No Message
Piso 1	B507	41	3.1688	No Message
Piso 1	B507	41	3.48565	No Message
Piso 1	B507	41	3.8025	No Message
Piso 1	B507	41	3.8025	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 4 of 4

Story	Label	UniqueName	Station	ErrMsg
Unitless	Unitless	Unitless	m	Unitless
Piso 1	B507	41	4.11935	No Message
Piso 1	B507	41	4.4362	No Message
Piso 1	B507	41	4.4362	No Message
Piso 1	B507	41	4.87	No Message
Piso 1	B508	42	0.2	No Message
Piso 1	B508	42	0.635	No Message
Piso 1	B508	42	0.635	No Message
Piso 1	B508	42	0.9525	No Message
Piso 1	B508	42	1.27	No Message
Piso 1	B508	42	1.27	No Message
Piso 1	B508	42	1.5875	No Message
Piso 1	B508	42	1.905	No Message
Piso 1	B508	42	1.905	No Message
Piso 1	B508	42	2.2225	No Message
Piso 1	B508	42	2.54	No Message
Piso 1	B508	42	2.54	No Message
Piso 1	B508	42	2.8575	No Message
Piso 1	B508	42	3.175	No Message
Piso 1	B508	42	3.175	No Message
Piso 1	B508	42	3.4925	No Message
Piso 1	B508	42	3.81	No Message
Piso 1	B508	42	3.81	No Message
Piso 1	B508	42	4.1275	No Message
Piso 1	B508	42	4.445	No Message
Piso 1	B508	42	4.445	No Message
Piso 1	B508	42	4.88	No Message
Piso 1	B570	43	0	No Message
Piso 1	B570	43	0.2594	No Message
Piso 1	B570	43	0.5188	No Message
Piso 1	B570	43	0.5188	No Message
Piso 1	B570	43	0.77815	No Message
Piso 1	B570	43	1.0375	No Message
Piso 1	B570	43	1.0375	No Message
Piso 1	B570	43	1.29685	No Message
Piso 1	B570	43	1.5562	No Message
Piso 1	B570	43	1.5562	No Message
Piso 1	B570	43	1.8156	No Message
Piso 1	B570	43	2.075	No Message
Piso 1	B570	43	2.075	No Message
Piso 1	B570	43	2.3344	No Message
Piso 1	B570	43	2.5938	No Message
Piso 1	B570	43	2.5938	No Message
Piso 1	B570	43	2.85315	No Message
Piso 1	B570	43	3.1125	No Message
Piso 1	B570	43	3.1125	No Message
Piso 1	B570	43	3.3719	No Message
Piso 1	B570	43	3.6313	No Message
Piso 1	B570	43	3.6313	No Message
Piso 1	B570	43	3.89065	No Message
Piso 1	B570	43	4.15	No Message
Piso 1	B571	44	0	No Message
Piso 1	B571	44	0.3169	No Message
Piso 1	B571	44	0.6338	No Message
Piso 1	B571	44	0.6338	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 4 of 4

Story	Label	UniqueName	Station	ErrMsg
Unitless	Unitless	Unitless	m	Unitless
Piso 1	B571	44	0.95065	No Message
Piso 1	B571	44	1.2675	No Message
Piso 1	B571	44	1.2675	No Message
Piso 1	B571	44	1.5844	No Message
Piso 1	B571	44	1.9013	No Message
Piso 1	B571	44	1.9013	No Message
Piso 1	B571	44	2.21815	No Message
Piso 1	B571	44	2.535	No Message
Piso 1	B571	44	2.535	No Message
Piso 1	B571	44	2.8519	No Message
Piso 1	B571	44	3.1688	No Message
Piso 1	B571	44	3.1688	No Message
Piso 1	B571	44	3.48565	No Message
Piso 1	B571	44	3.8025	No Message
Piso 1	B571	44	3.8025	No Message
Piso 1	B571	44	4.11935	No Message
Piso 1	B571	44	4.4362	No Message
Piso 1	B571	44	4.4362	No Message
Piso 1	B571	44	4.7531	No Message
Piso 1	B571	44	5.07	No Message
Piso 1	B572	45	0	No Message
Piso 1	B572	45	0.3175	No Message
Piso 1	B572	45	0.635	No Message
Piso 1	B572	45	0.635	No Message
Piso 1	B572	45	0.9525	No Message
Piso 1	B572	45	1.27	No Message
Piso 1	B572	45	1.27	No Message
Piso 1	B572	45	1.5875	No Message
Piso 1	B572	45	1.905	No Message
Piso 1	B572	45	1.905	No Message
Piso 1	B572	45	2.2225	No Message
Piso 1	B572	45	2.54	No Message
Piso 1	B572	45	2.54	No Message
Piso 1	B572	45	2.8575	No Message
Piso 1	B572	45	3.175	No Message
Piso 1	B572	45	3.175	No Message
Piso 1	B572	45	3.4925	No Message
Piso 1	B572	45	3.81	No Message
Piso 1	B572	45	3.81	No Message
Piso 1	B572	45	4.1275	No Message
Piso 1	B572	45	4.445	No Message
Piso 1	B572	45	4.445	No Message
Piso 1	B572	45	4.7625	No Message
Piso 1	B572	45	5.08	No Message
Piso 1	B573	46	0	No Message
Piso 1	B573	46	0.31875	No Message
Piso 1	B573	46	0.6375	No Message
Piso 1	B573	46	0.6375	No Message
Piso 1	B573	46	0.95625	No Message
Piso 1	B573	46	1.275	No Message
Piso 1	B573	46	1.275	No Message
Piso 1	B573	46	1.59375	No Message
Piso 1	B573	46	1.9125	No Message
Piso 1	B573	46	1.9125	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 4 of 4

Story	Label	UniqueName	Station	ErrMsg
Unitless	Unitless	Unitless	m	Unitless
Piso 1	B573	46	2.23125	No Message
Piso 1	B573	46	2.55	No Message
Piso 1	B477	47	0	No Message
Piso 1	B477	47	0.26	No Message
Piso 1	B477	47	0.52	No Message
Piso 1	B477	47	0.52	No Message
Piso 1	B477	47	0.92	No Message
Piso 1	B477	47	0.92	No Message
Piso 1	B477	47	1.18	No Message
Piso 1	B477	47	1.18	No Message
Piso 1	B477	47	1.64	No Message
Piso 1	B481	48	0	No Message
Piso 1	B481	48	0.26	No Message
Piso 1	B481	48	0.52	No Message
Piso 1	B481	48	0.52	No Message
Piso 1	B481	48	0.92	No Message
Piso 1	B481	48	0.92	No Message
Piso 1	B481	48	1.18	No Message
Piso 1	B481	48	1.18	No Message
Piso 1	B481	48	1.64	No Message
Piso 1	B483	49	0	No Message
Piso 1	B483	49	0.46	No Message
Piso 1	B483	49	0.92	No Message
Piso 1	B483	49	0.92	No Message
Piso 1	B483	49	1.28	No Message
Piso 1	B483	49	1.64	No Message
Piso 1	B575	50	0	No Message
Piso 1	B575	50	0.26	No Message
Piso 1	B575	50	0.52	No Message
Piso 1	B575	50	0.52	No Message
Piso 1	B575	50	0.92	No Message
Piso 1	B575	50	0.92	No Message
Piso 1	B575	50	1.18	No Message
Piso 1	B575	50	1.18	No Message
Piso 1	B575	50	1.64	No Message
Piso 1	B581	51	0	No Message
Piso 1	B581	51	0.46182	No Message
Piso 1	B581	51	0.92364	No Message
Piso 1	B581	51	1.38545	No Message
Piso 1	B581	51	1.84727	No Message
Piso 1	B581	51	2.30909	No Message
Piso 1	B581	51	2.77091	No Message
Piso 1	B581	51	3.23273	No Message
Piso 1	B581	51	3.69455	No Message
Piso 1	B581	51	4.15636	No Message
Piso 1	B581	51	4.61818	No Message
Piso 1	B581	51	5.08	No Message
Piso 1	B582	52	0	No Message
Piso 1	B582	52	0.46182	No Message
Piso 1	B582	52	0.92364	No Message
Piso 1	B582	52	1.38545	No Message
Piso 1	B582	52	1.84727	No Message
Piso 1	B582	52	2.30909	No Message
Piso 1	B582	52	2.77091	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 4 of 4

Story	Label	UniqueName	Station	ErrMsg
Unitless	Unitless	Unitless	m	Unitless
Piso 1	B582	52	3.23273	No Message
Piso 1	B582	52	3.69455	No Message
Piso 1	B582	52	4.15636	No Message
Piso 1	B582	52	4.61818	No Message
Piso 1	B582	52	5.08	No Message
Piso 1	B583	53	0	No Message
Piso 1	B583	53	0.46182	No Message
Piso 1	B583	53	0.92364	No Message
Piso 1	B583	53	1.38545	No Message
Piso 1	B583	53	1.84727	No Message
Piso 1	B583	53	2.30909	No Message
Piso 1	B583	53	2.77091	No Message
Piso 1	B583	53	3.23273	No Message
Piso 1	B583	53	3.69455	No Message
Piso 1	B583	53	4.15636	No Message
Piso 1	B583	53	4.61818	No Message
Piso 1	B583	53	5.08	No Message
Piso 1	B585	54	0	No Message
Piso 1	B585	54	0.46091	No Message
Piso 1	B585	54	0.92182	No Message
Piso 1	B585	54	1.38273	No Message
Piso 1	B585	54	1.84364	No Message
Piso 1	B585	54	2.30455	No Message
Piso 1	B585	54	2.76545	No Message
Piso 1	B585	54	3.22636	No Message
Piso 1	B585	54	3.68727	No Message
Piso 1	B585	54	4.14818	No Message
Piso 1	B585	54	4.60909	No Message
Piso 1	B585	54	5.07	No Message
Piso 1	B586	55	0	No Message
Piso 1	B586	55	0.46091	No Message
Piso 1	B586	55	0.92182	No Message
Piso 1	B586	55	1.38273	No Message
Piso 1	B586	55	1.84364	No Message
Piso 1	B586	55	2.30455	No Message
Piso 1	B586	55	2.76545	No Message
Piso 1	B586	55	3.22636	No Message
Piso 1	B586	55	3.68727	No Message
Piso 1	B586	55	4.14818	No Message
Piso 1	B586	55	4.60909	No Message
Piso 1	B586	55	5.07	No Message
Piso 1	B587	56	0	No Message
Piso 1	B587	56	0.46091	No Message
Piso 1	B587	56	0.92182	No Message
Piso 1	B587	56	1.38273	No Message
Piso 1	B587	56	1.84364	No Message
Piso 1	B587	56	2.30455	No Message
Piso 1	B587	56	2.76545	No Message
Piso 1	B587	56	3.22636	No Message
Piso 1	B587	56	3.68727	No Message
Piso 1	B587	56	4.14818	No Message
Piso 1	B587	56	4.60909	No Message
Piso 1	B587	56	5.07	No Message
Piso 1	B588	57	0	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 4 of 4

Story	Label	UniqueName	Station	ErrMsg
Unitless	Unitless	Unitless	m	Unitless
Piso 1	B588	57	0.46111	No Message
Piso 1	B588	57	0.92222	No Message
Piso 1	B588	57	1.38333	No Message
Piso 1	B588	57	1.84444	No Message
Piso 1	B588	57	2.30556	No Message
Piso 1	B588	57	2.76667	No Message
Piso 1	B588	57	3.22778	No Message
Piso 1	B588	57	3.68889	No Message
Piso 1	B588	57	4.15	No Message
Piso 1	B589	58	0	No Message
Piso 1	B589	58	0.46111	No Message
Piso 1	B589	58	0.92222	No Message
Piso 1	B589	58	1.38333	No Message
Piso 1	B589	58	1.84444	No Message
Piso 1	B589	58	2.30556	No Message
Piso 1	B589	58	2.76667	No Message
Piso 1	B589	58	3.22778	No Message
Piso 1	B589	58	3.68889	No Message
Piso 1	B589	58	4.15	No Message
Piso 1	B590	59	0	No Message
Piso 1	B590	59	0.46111	No Message
Piso 1	B590	59	0.92222	No Message
Piso 1	B590	59	1.38333	No Message
Piso 1	B590	59	1.84444	No Message
Piso 1	B590	59	2.30556	No Message
Piso 1	B590	59	2.76667	No Message
Piso 1	B590	59	3.22778	No Message
Piso 1	B590	59	3.68889	No Message
Piso 1	B590	59	4.15	No Message
Piso 1	B591	60	0	No Message
Piso 1	B591	60	0.46111	No Message
Piso 1	B591	60	0.92222	No Message
Piso 1	B591	60	1.38333	No Message
Piso 1	B591	60	1.84444	No Message
Piso 1	B591	60	2.30556	No Message
Piso 1	B591	60	2.76667	No Message
Piso 1	B591	60	3.22778	No Message
Piso 1	B591	60	3.68889	No Message
Piso 1	B591	60	4.15	No Message
Piso 1	B592	61	0	No Message
Piso 1	B592	61	0.425	No Message
Piso 1	B592	61	0.85	No Message
Piso 1	B592	61	1.275	No Message
Piso 1	B592	61	1.7	No Message
Piso 1	B592	61	2.125	No Message
Piso 1	B592	61	2.55	No Message
Piso 1	B594	62	0	No Message
Piso 1	B594	62	0.425	No Message
Piso 1	B594	62	0.85	No Message
Piso 1	B594	62	1.275	No Message
Piso 1	B594	62	1.7	No Message
Piso 1	B594	62	2.125	No Message
Piso 1	B594	62	2.55	No Message
Piso 1	B576	63	0	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 4 of 4

Story	Label	UniqueName	Station	ErrMsg
Unitless	Unitless	Unitless	m	Unitless
Piso 1	B576	63	0.46182	No Message
Piso 1	B576	63	0.92364	No Message
Piso 1	B576	63	1.38545	No Message
Piso 1	B576	63	1.84727	No Message
Piso 1	B576	63	2.30909	No Message
Piso 1	B576	63	2.77091	No Message
Piso 1	B576	63	3.23273	No Message
Piso 1	B576	63	3.69455	No Message
Piso 1	B576	63	4.15636	No Message
Piso 1	B576	63	4.61818	No Message
Piso 1	B576	63	5.08	No Message
Piso 1	B577	64	0	No Message
Piso 1	B577	64	0.46091	No Message
Piso 1	B577	64	0.92182	No Message
Piso 1	B577	64	1.38273	No Message
Piso 1	B577	64	1.84364	No Message
Piso 1	B577	64	2.30455	No Message
Piso 1	B577	64	2.76545	No Message
Piso 1	B577	64	3.22636	No Message
Piso 1	B577	64	3.68727	No Message
Piso 1	B577	64	4.14818	No Message
Piso 1	B577	64	4.60909	No Message
Piso 1	B577	64	5.07	No Message
Piso 1	B605	65	0	No Message
Piso 1	B605	65	0.425	No Message
Piso 1	B605	65	0.85	No Message
Piso 1	B605	65	1.275	No Message
Piso 1	B605	65	1.7	No Message
Piso 1	B605	65	2.125	No Message
Piso 1	B605	65	2.55	No Message
Piso 1	B605	65	2.55	No Message
Piso 1	B605	65	3.01111	No Message
Piso 1	B605	65	3.47222	No Message
Piso 1	B605	65	3.93333	No Message
Piso 1	B605	65	4.39444	No Message
Piso 1	B605	65	4.85556	No Message
Piso 1	B605	65	5.31667	No Message
Piso 1	B605	65	5.77778	No Message
Piso 1	B605	65	6.23889	No Message
Piso 1	B605	65	6.7	No Message
Piso 1	B1	165	0	No Message
Piso 1	B1	165	0.3169	No Message
Piso 1	B1	165	0.6338	No Message
Piso 1	B1	165	0.6338	No Message
Piso 1	B1	165	0.95065	No Message
Piso 1	B1	165	1.2675	No Message
Piso 1	B1	165	1.2675	No Message
Piso 1	B1	165	1.5844	No Message
Piso 1	B1	165	1.9013	No Message
Piso 1	B1	165	1.9013	No Message
Piso 1	B1	165	2.21815	No Message
Piso 1	B1	165	2.535	No Message
Piso 1	B1	165	2.535	No Message
Piso 1	B1	165	2.8519	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 4 of 4

Story	Label	UniqueName	Station	ErrMsg
Unitless	Unitless	Unitless	m	Unitless
Piso 1	B1	165	3.1688	No Message
Piso 1	B1	165	3.1688	No Message
Piso 1	B1	165	3.48565	No Message
Piso 1	B1	165	3.8025	No Message
Piso 1	B1	165	3.8025	No Message
Piso 1	B1	165	4.11935	No Message
Piso 1	B1	165	4.4362	No Message
Piso 1	B1	165	4.4362	No Message
Piso 1	B1	165	4.7531	No Message
Piso 1	B1	165	5.07	No Message
Piso 1	B2	166	0	No Message
Piso 1	B2	166	0.3175	No Message
Piso 1	B2	166	0.635	No Message
Piso 1	B2	166	0.635	No Message
Piso 1	B2	166	0.9525	No Message
Piso 1	B2	166	1.27	No Message
Piso 1	B2	166	1.27	No Message
Piso 1	B2	166	1.5875	No Message
Piso 1	B2	166	1.905	No Message
Piso 1	B2	166	1.905	No Message
Piso 1	B2	166	2.2225	No Message
Piso 1	B2	166	2.54	No Message
Piso 1	B2	166	2.54	No Message
Piso 1	B2	166	2.8575	No Message
Piso 1	B2	166	3.175	No Message
Piso 1	B2	166	3.175	No Message
Piso 1	B2	166	3.4925	No Message
Piso 1	B2	166	3.81	No Message
Piso 1	B2	166	3.81	No Message
Piso 1	B2	166	4.1275	No Message
Piso 1	B2	166	4.445	No Message
Piso 1	B2	166	4.445	No Message
Piso 1	B2	166	4.7625	No Message
Piso 1	B2	166	5.08	No Message
Piso 1	B5	191	0	No Message
Piso 1	B5	191	0.46	No Message
Piso 1	B5	191	0.92	No Message
Piso 1	B5	191	0.92	No Message
Piso 1	B5	191	1.38	No Message
Piso 1	B5	191	1.84	No Message
Piso 1	B6	192	0	No Message
Piso 1	B6	192	0.485	No Message
Piso 1	B6	192	0.97	No Message
Piso 1	B6	192	0.97	No Message
Piso 1	B6	192	1.455	No Message
Piso 1	B6	192	1.94	No Message
Piso 1	B6	192	1.94	No Message
Piso 1	B6	192	2.425	No Message
Piso 1	B6	192	2.91	No Message
Piso 1	B6	192	2.91	No Message
Piso 1	B6	192	3.395	No Message
Piso 1	B6	192	3.88	No Message
Piso 1	B6	192	3.88	No Message
Piso 1	B6	192	4.365	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 4 of 4

Story	Label	UniqueName	Station	ErrMsg
Unitless	Unitless	Unitless	m	Unitless
Piso 1	B6	192	4.85	No Message
Piso 1	B7	36	0.2	No Message
Piso 1	B7	36	0.67	No Message
Piso 1	B7	36	1.14	No Message
Piso 1	B7	36	1.61	No Message
Piso 1	B7	36	2.08	No Message
Piso 1	B7	36	2.55	No Message
Piso 1	B7	36	2.55	No Message
Piso 1	B7	36	3.04375	No Message
Piso 1	B7	36	3.5375	No Message
Piso 1	B7	36	4.03125	No Message
Piso 1	B7	36	4.525	No Message
Piso 1	B7	36	5.01875	No Message
Piso 1	B7	36	5.5125	No Message
Piso 1	B7	36	6.00625	No Message
Piso 1	B7	36	6.5	No Message

DISEÑO DE VIGAS DE CONCRETO REFORZADO _ NSR-10

Datos de Diseño:

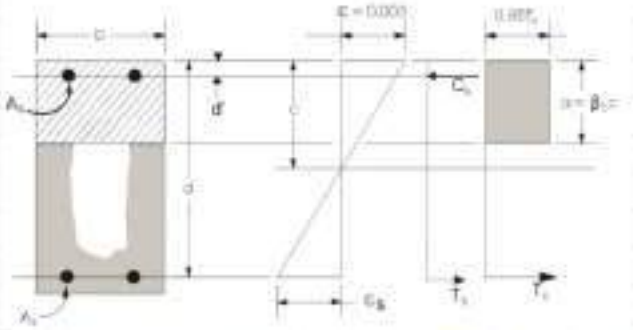
Base: $b := 40\ cm$

Altura: $h := 45\ cm$

$f'_c := 280\ \frac{kgf}{cm^2}$ $f_y := 4200\ \frac{kgf}{cm^2}$

Recubrimiento $rec := 5\ cm$

(al centroide de las barras Longitudinales)



$E_s := 2030000\ \frac{kgf}{cm^2}$

Momento $M_u := 6.56\ tonnef \cdot m$

DISEÑO POR FLEXION

1. CALCULO DEL AREA DE ACERO

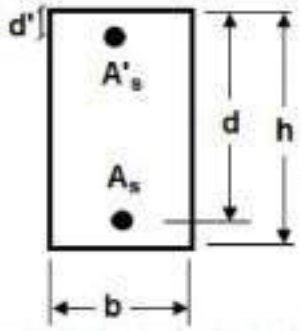
Acero Requerido $As_{requerido} = 4.448\ cm^2$

Acero Normativo $As_{normativo} = 5.33\ cm^2$

Limites de Acero S.A. $As_{min} = 5.33\ cm^2$ $As_{max} = 28.65\ cm^2$

$\phi = 0.9$

$As_{max.doble.A} = 28.653\ cm^2$



$A'_s = 0\ cm^2$

$tipo.de.diseño = \text{"Simple Armado"}$

$A_s = 4.448\ cm^2$

2. CAPACIDAD DE LA SECCION POR FLEXION

$n_{top} := 4$ $ID_{top} := 4$

$n_{bottom} := 4$ $ID_{bottom} := 4$

ntop: Numero de barras Arriba

nbottom: Numero de barras abajo

ID: Escoger una barra de la tabla

Tabla de aceros

ID	d_{barra} (mm)	area (cm^2)
1	9.5	0.71
2	12.7	1.29
3	15.9	1.99
4	19.1	2.84
5	22.2	3.87
6	25.4	5.1

Momento Resistente

$\phi M_n = 16.904$ **tonnef·m**

Momento Solicitante

$M_u = 6.56$ **tonnef·m**

$ratio = 0.388$

$\rho_{cuantia} = 0.00716$

$verificacion_1 =$ "Cumple el espaciamiento minimo"

$verificacion_2 =$ "LA SECCION FUE DISEÑADA CORRECTAMENTE, OK"

DISEÑO POR CORTE

Datos de Diseño:

$V_u := 9.1$ **tonnef** Cortante Solicitante

$\phi_c := 0.75$ Para corte

ID: Escoger una barra de la tabla

$ID := 1$

$n_R := 2$ Numero de ramas

$s := 10$ **cm** separación de estribos

$N_u := 0$ **tonnef** Carga Axial en la Viga, Compresión (+)

Tabla de aceros

ID	d_{barra} (mm)	area (cm^2)
1	9.5	0.71
2	12.7	1.29
3	15.9	1.99
4	19.1	2.84
5	22.2	3.87
6	25.4	5.10

RESULTADOS DE DISEÑO

Capacidad por Corte

$\phi_c V_n = 28.505$ **tonnef**

$ratio_{corte} = 0.319$

Cortante Solicitante

$V_u = 9.1$ **tonnef**

Relación Av/s Requerido

$A_{v\_s} = 0.033 \frac{cm^2}{cm}$

Limites de Refuerzo

$A_{v\_s\_min} = 0.033 \frac{cm^2}{cm}$

Corte del Concreto

$\phi_c \cdot V_c = 10.642$ **tonnef**

$s_{max} = 20$ **cm**

$V_{s\_requerido} = -1.542$ **tonnef**

$verificacion_3$="OK,Dimensiones de la seccion transversal"

$verificacion_4$="OK, la separacion "S", es correcta!"

DISEÑO POR TORSION

Datos de Diseño:

$T_u := 1.21\ tonnef \cdot m$ Torsor ultimo Solicitante

$rec_{estribo} := 50\ mm$ Recubrimiento al estribo

$f_{yt} := 4200\ \frac{kgf}{cm^2}$ Tensión de Fluencia del acero transversal

$\phi_t := 0.75$ Para torsión

$\theta := 45\ °$

$N_u := 0.0\ tonnef$ Carga Axial en la Viga, Compresión (+)

RESULTADOS:

Umbral de Torsión

$T_{th} = 0.846\ tonnef \cdot m$

$\phi_t \cdot T_{th} = 0.634\ tonnef \cdot m$

Torsor Critico

$T_{cr} = 3.382\ tonnef \cdot m$

$\phi_t \cdot T_{cr} = 2.537\ tonnef \cdot m$

Verificación de refuerzo por torsión:

V_{erf_5}="Si se requiere acero por torsion"

Verificación de la Sección:

V_{erf_6}="Si,la Seccion es adecuada"

Refuerzo Minimo

V_{erf_7}="Predomina el refuerzo minimo"

$A_{v\_2At,min} = 0.033\ cm$

Refuerzo por torsión At/s

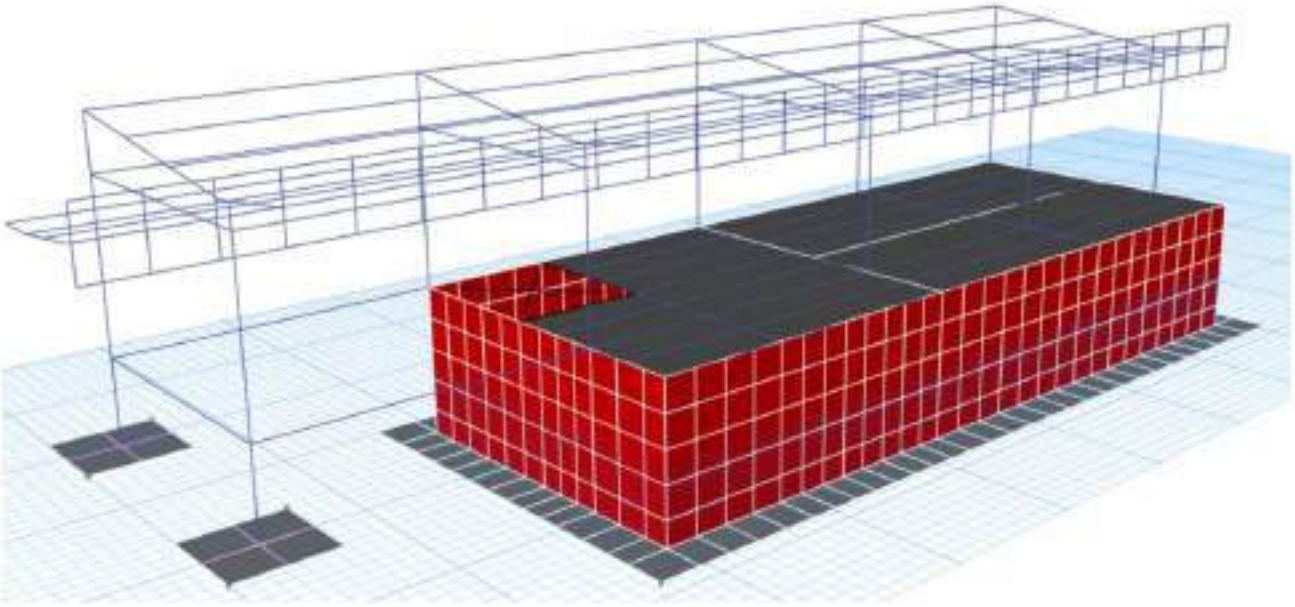
$A_{t\_s} = 0\ \frac{cm^2}{cm}$

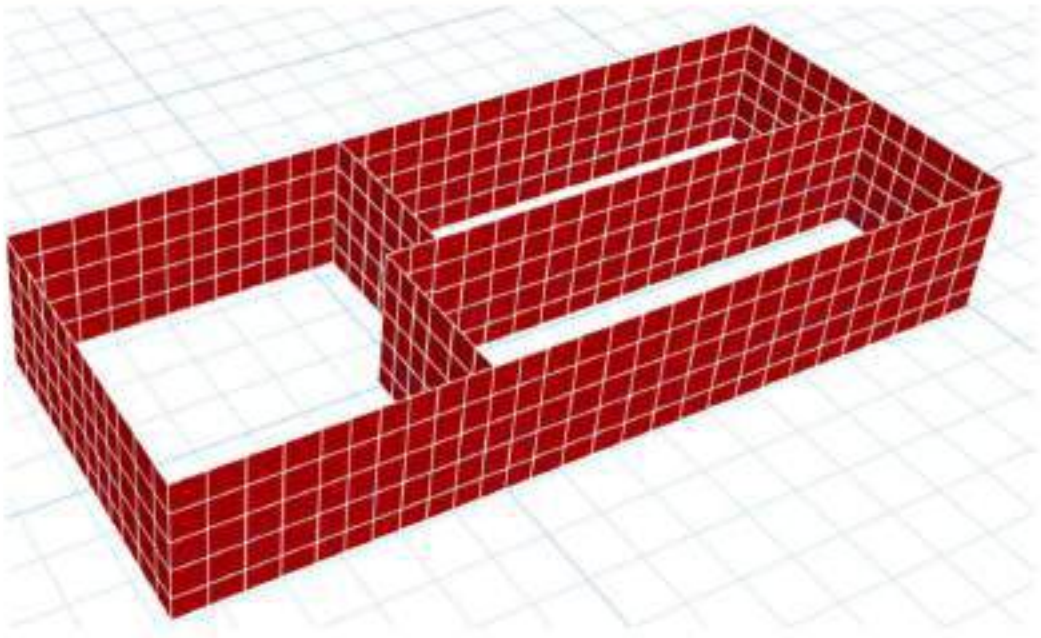
Refuerzo longitudinal por torsión

$A_l = 0\ \frac{1}{m} \cdot cm^2$

1 TANQUE DE ALMACENAMIENTO Y RCI

1.1 MUROS





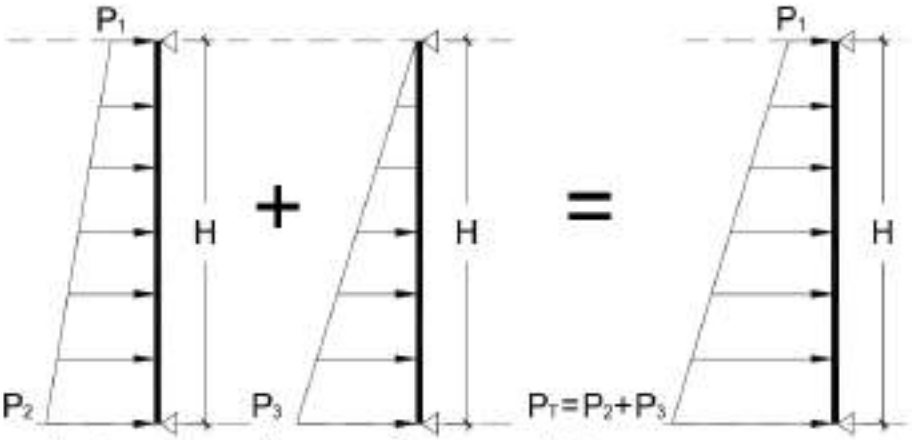
1.1.1 CARGAS HIDROSTÁTICAS

Especificaciones

- Resistencia del concreto	:	$f'c$ = 280 Kg/cm²
- Fluencia del acero de refuerzo	:	fy = 4200 Kg/cm²
- Capacidad portante del suelo	:	q_a = 0.69 Kg/cm²
- Peso especifico del suelo	:	γ_s = 1.65 Ton/m³
- Ángulo de fricción del suelo	:	ϕ' = 25.26°
- Coeficiente de presión lateral activa	:	K_a = 0.40
- Coeficiente de presión lateral pasiva	:	K_p = 2.49
- Coeficiente de presión lateral reposo	:	K_o = 0.57
- Sobrecarga del suelo	:	q_{sc} = 0.50 Ton/m²
- Peso especifico del agua	:	γ_w = 1.00 Ton/m³
- Peso especifico suelo saturado	:	γ_{sat} = 1.90 Ton/m³
- Aceleración horizontal pico efectiva	:	A_a = 0.25
- Aceleración horizontal pico efectiva	:	F_a = 1.45

Diagrama de presiones en muros

- Profundidad del muro enterrado — **H** = 2.88 m
- Presión de la sobrecarga — **P1** = 0.29 Ton/m² — $P_1 = q_{sc} K_O$
- Presión del suelo en los muros — **P2** = 1.8 Ton/m² — $P_2 = P_1 + (\gamma_{sat} - \gamma_w) H K_O$
- Presión del agua en los muros — **P3** = 2.9 Ton/m² — $P_3 = \gamma_w (H)$

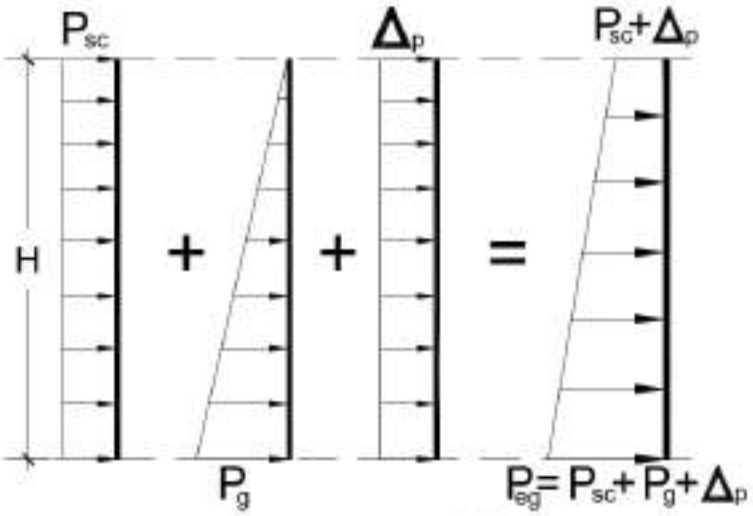


- Presión total en el muro enterrado P_T = 4.65 Ton/m²

Diagrama de presiones en muros debido a sismo

Condición sin presencia del nivel freático en las paredes de los muros

- Presión de la sobrecarga P_{sc} = 0.20 Ton/m² $P_{sc} = q_{sc} K_a$
- Presión debida al suelo P_g = 1.9 Ton/m² $P_g = (\gamma_s) H K_a$
- Presión adicional debida al sismo Δ_p = 0.69 Ton/m² $\Delta_p = 0.4 \gamma_s H k_h$



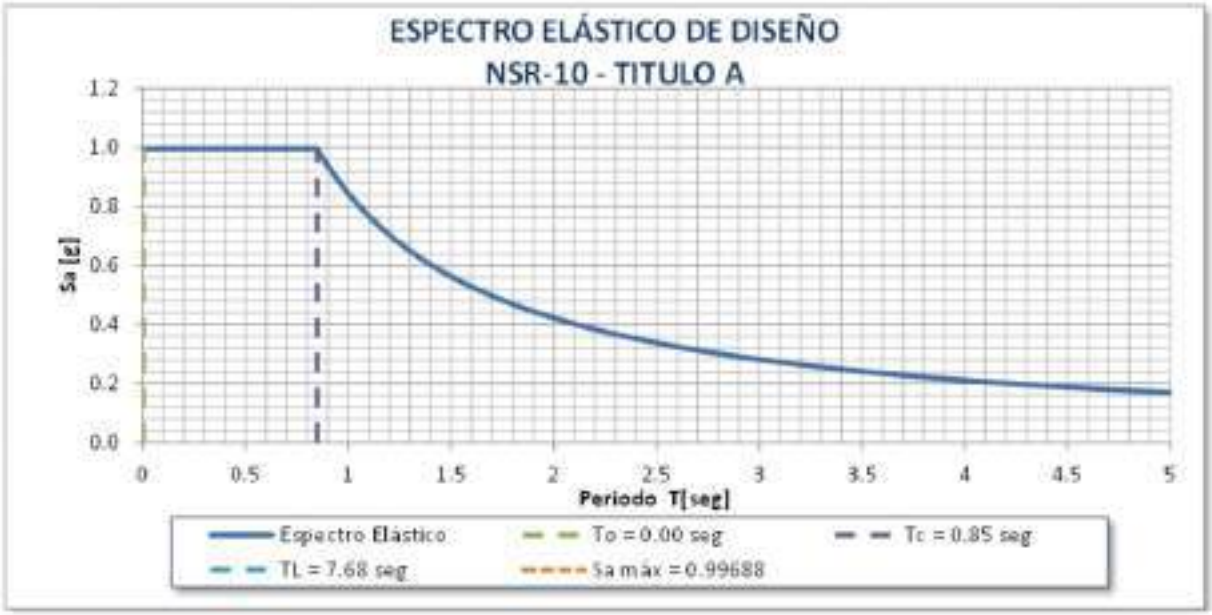
= 0.89 Ton/m²

$k_h = A_a F_a$

- Presión total en el muro enterrado p_{eg} = 2.80 Ton/m²

1.1.2 ESPECGTRO DE DSIEÑO

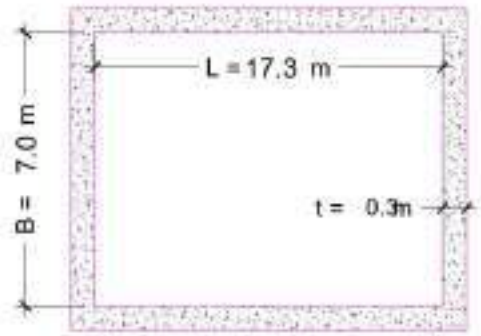
Aceleración horizontal pico efectiva *Palmira (Rozo)*	Aa (g)	0.25	A.2.3-2
Velocidad horizontal pico efectiva *Palmira (Rozo)*	Av (g)	0.2	A.2.3-2
Coef. Amplificación aceleración periodos cortos	Fa	1.45	
C Amplificación aceleración periodos intermedios	Fv	3.2	
Coeficiente de importancia	I - 2	1.10	ACI 350.3-06
Coeficiente dependiente de la estructura	Ct	0.049	A.4.2-1
Coeficiente dependiente de la estructura	α	0.75	A.4.2-1
Coeficiente de disipación de energía básico	Ro	2.0	Tabla A.3-1
Coeficiente de Irregularidad en planta	Φp	1	Tabla A.3-6
Coeficiente de Irregularidad en altura	Φa	1	Tabla A.3-7
Coeficiente de Ausencia de redundancia	Φr	1	A.3.3.8
Coeficiente de disipación de energía	R	2.00	



1.1.3 CARGAS HIDRODINÁMICAS

TANQUE DE ALMACENAMIENTO

Dirección de análisis →



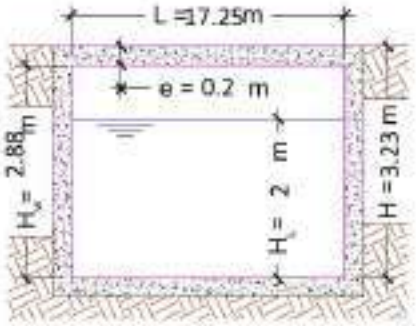
Planta tanque de almacenamiento

1.- Especificaciones

- Resistencia del concreto	f'c =	280 kg/cm²
- Peso del concreto	Yc =	2400 kg/m³
- Modulo de elásticidad del concreto	Ec =	252671.3 kg/cm²
- Esfuerzo de fluencia del acero	fy =	4200 kg/cm²
- Peso especifico del suelo	Ys =	1900 kg/m³
- Coeficiente de presión activa del suelo	Ka =	0.40

2.- Geometria tanque

- Altura libre tanque	Hw :	2.88 m
- Altura del liquido	H_L :	2.0 m
- Ancho libre del tanque	B :	7 m
- Largo libre del tanque	L :	17.25 m
- Espesor de las paredes	t :	0.30 m
- Espesor de la losa	e :	0.20 m



3.- Datos generales

- Coeficiente de importancia	I :	1	ACI 350.3-06, Tabla 4.1.1(a)
- Factor de modificación de respuesta	R_v :	2	ACI 350.3-06, Tabla 4.1.1(b)
- Factor de modificación de respuesta	R_c :	1	ACI 350.3-06, Tabla 4.1.1(b)
- Aceleración horizontal pico efectiva	A_a :	0.25	NSR'10, Tabla A.2.3-2
- Velocidad horizontal pico efectiva	A_v :	0.20	NSR'10, Tabla A.2.3-2
- Aceleración horizontal pico efectiva	F_a :	1.45	NSR'10, Tabla A.2.4-3
- Velocidad horizontal pico efectiva	F_v :	3.20	NSR'10, Tabla A.2.4-4

4.- Cálculo de pesos equivalentes

- Peso muros tanque	W_w :	103058 kg
- Peso cubierta tanque	W_r :	65116.8 kg
- Peso liquido almacenado	W_L :	241500 kg
- Relación largo/alto liquido	L/H_L :	8.63

5.- Pesos efectivos de las componentes impulsiva **W_i** y convectiva **W_c** del liquido almacenado.

$$\frac{W_i}{W_L} = \left(\frac{\tanh\left[0.866\frac{L}{H_L}\right]}{0.866\frac{L}{H_L}} \right) = 0.134$$ **W_i :** 32332.5 kg *ACI 350.3-06, Fig. 9.2.1*

$$\frac{W_c}{W_L} = 0.264\frac{L}{H_L}\tanh\left[3.16\frac{H_L}{L}\right] = 0.80$$ **W_c :** 192914 kg *ACI 350.3-06, Fig. 9.2.1*

6.- Cálculo de las alturas **h_w, h_r, h_i y h_c**.

- Altura al centro de gravedad de los muros **h_w :** 1.44 m
- Altura al centro de gravedad de la cubierta **h_r :** 2.98 m

- Altura de la componente impulsiva **h_i** del liquido almacenado. *ACI 350.3-06, Fig. 9.2.2*

$$\frac{h_i}{H_L} = \begin{cases} 0.5 - 0.09375\frac{L}{H_L}, & Para\ \frac{L}{H_L} < 1.33 \\ 0.375, & Para\ \frac{L}{H_L} \geq 1.33 \end{cases}$$ **h_i/H_L :** 0.375 **h_i :** 0.750 m

- Altura de la componente impulsiva **h_c** del liquido almacenado. *ACI 350.3-06, Fig. 9.2.2*

$$\frac{h_c}{H_L} = 1 - \frac{\cosh\left[3.16\frac{H_L}{L}\right] - 1}{3.16\frac{H_L}{L}\sinh\left[3.16\frac{H_L}{L}\right]} = 0.506$$ **h_c :** 1.011 m

7.- Cálculo del periodo combinado del tanque y la componente impulsiva del liquido almacenado.

- Peso total **$W_T : W_w + W_r + W_i$** **W_T :** 200507 kg
- Centro de gravedad del tanque $h = \frac{h_w W_w + h_i W_i}{W_w + W_i}$ **h :** 1.28 m
- Rigidez del tanque $k = \frac{E_c}{4x10^3}\left(\frac{t}{h}\right)^3$ **k :** 8224.4 Ton/m
- Periodo por la componente impulsiva $T_i = 2\pi\sqrt{\frac{W_T}{gk}}$ **T_i :** 0.313 Seg

8.- Cálculo del periodo de la componente convectiva del liquido almacenado.

- Centro de gravedad del tanque $\lambda = \sqrt{3.16g\tanh\left[3.16\frac{H_L}{L}\right]}$ **λ :** 3.30
- Periodo por la componente convectiva $T_c = \frac{2\pi}{\lambda}\sqrt{L}$ **T_c :** 7.913 Seg

9.- Cálculo de los coeficientes de respuesta sísmica C_i y C_c.

- Coeficiente $C_i = S_a/I$: 0.9969 , Para T_i : 0.313 Seg — *NSR'10, Espectro Título A*

Sa : Valor del espectro de aceleraciones para un periodo dado.

- Coeficiente

$$C_c = \begin{cases} 1.5\dfrac{S_{a1}}{T_c} \le 3.75\,A_a F_a, & Para\ T_c \le 1.6/T_s \\ 6\dfrac{A_a F_a}{T_c^2}, & Para\ T_c > 1.6/T_s \end{cases}$$

- Aceleración para un periodo de 1seg. S_{a1} : 0.768 — *NSR'10, Ec. A.2.6-1*
- Periodo de transición T_s : 0.847 — *NSR'10, Ec. A.2.6-2*

C_c : 0.03473 , Para T_c : 7.913 Seg — *NSR'10, Espectro Título A*

11.- Coeficiente de masa efectiva ε.

$$\varepsilon = 0.0151\left(\frac{I}{R_i}\right)^2 - 0.1908\frac{I}{R_i} + 1.021 \le 1.0 \qquad \varepsilon: \ 0.499$$ — *ACI 350.3-06, Ec. 9-44*

12.- Cálculo de las fuerzas dinámicas laterales.

- Fuerza Inercial del muro perpendicular. $P_w = \left(\frac{C_i I}{R_i}\right)\varepsilon W_w =$ 25.6 Ton — *ACI 350.3-06, Ec. 4-1*

- Fuerza Inercial de la cubierta. $P_r = \left(\frac{C_i I}{R_i}\right) W_r =$ 32.5 Ton — *ACI 350.3-06, Ec. 4-2*

- Fuerza lateral total impulsiva. $P_i = \left(\frac{C_i I}{R_i}\right) W_i =$ 16.1 Ton — *ACI 350.3-06, Ec. 4-3*

- Fuerza lateral total convectiva. $P_c = \left(\frac{C_c I}{R_c}\right) W_i =$ 6.7 Ton — *ACI 350.3-06, Ec. 4-4*

- Fuerza lateral total del suelo. $P_{eq} = (p_0/2 + P_{ir} + \Delta_p)BH =$ 39.8 Ton

13.- Cálculo de la fuerza cortante total.

$$V = \sqrt{(P_i + P_w + P_r)^2 + P_c^2 + P_{eq}^2} =$$ 84.4 Ton — *ACI 350.3-06, Ec. 4-9*

14.- Cálculo de la presión hidrodinámica debido a las aceleraciones verticales.

- Coeficiente de amplificación vertical $C_i : A_a F_a$: 0.363 — *ACI 350.3-06, Sec. 9.4.3*

- Aceleración espectral efectiva vertical $\ddot{u}_v$. — *ACI 350.3-06, Ec. 4-15*

$$\ddot{u}_v = \left(\frac{2}{3R_i}\right) C_i I \ge 0.5 A_a F_a =$$ 0.18

- Presión hidrostática q_{hi}. q_{hi}: 1.00 Ton/m³

- Presión hidrodinámica p'_{vi}. $p'_{vi} : \ddot{u}_v q_{hi}$: 0.18125 Ton/m³

15.- Presiones dinámicas en un solo muro. *ACI 350.3-06, Fig. R5.3.1(a)*

- Fuerza Inercial de la cubierta sobre el muro. $p_r = \left(\frac{P_r}{2B}\right)$ = 2.32 Ton/m *Superior*

- Presión Inercial del muro perpendicular. $p_{wy} = \left(\frac{P_w}{2B\ H_w}\right)$ = 0.64 Ton/m² *Sup e inf*

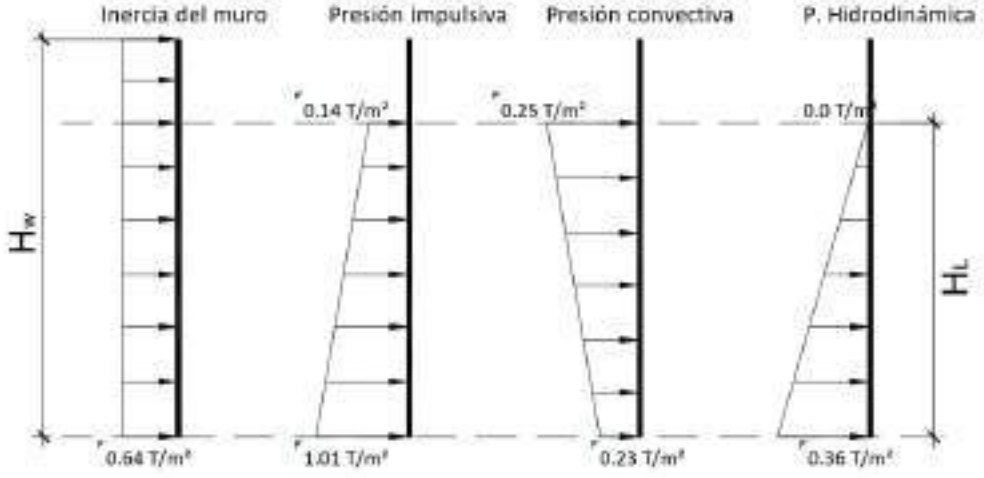
- Presión lateral impulsiva. $p_{iy} = \frac{\frac{P_i}{2}\left[4H_L - 6h_i - (6H_L - 12h_i)\frac{y}{H_L}\right]}{BH_L^2}$
  - 0.14 Ton/m² *Superior*
  - 1.01 Ton/m² *Inferior*

- Presión lateral convectiva. $p_{cy} = \frac{\frac{P_c}{2}\left[4H_L - 6h_c - (6H_L - 12h_c)\frac{y}{H_L}\right]}{BH_L^2}$
  - 0.25 Ton/m² *Superior*
  - 0.23 Ton/m² *Inferior*

- Presión hidrodinámica por aceleraciones verticales. $p_{cy} = p'_{cy}y$
  - 0.00 Ton/m² *Superior*
  - 0.36 Ton/m² *Inferior*

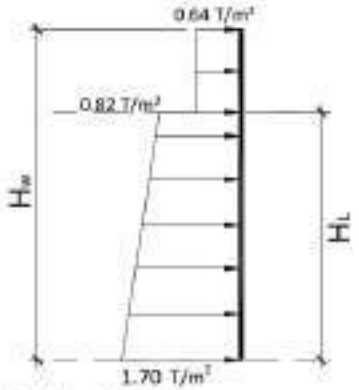
- Presión lateral total del suelo debido al sismo. p_{eq}
  - 0.89 Ton/m² *Superior*
  - 2.80 Ton/m² *Inferior*

16.- Distribución de presiones dinámicas en un solo muro perpendicular al sismo.



17.- Presión dinámica total en un solo muro perpendicular al sismo. *ACI 350.3-06, Ec. 5-1*

$$p_y = \sqrt{(p_{iy} + p_{wy})^2 + p_{cy}^2 + p_{hy}^2} = \begin{cases} 0.817\ \text{Ton/m}^2 & \textit{Superior} \\ 1.698\ \text{Ton/m}^2 & \textit{Inferior} \end{cases}$$

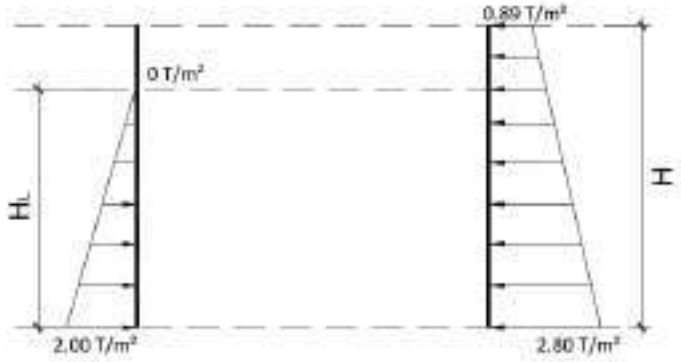


18.- Presión hidrostática, presión del suelo y sobrecarga.

- Presión hidrostática. $p_H = \gamma_w (H_L) =$ 2.00 Ton/m² *Inferior*

- Presión lateral del suelo. $p_{es} =$ 0.89 Ton/m² *Superior*; 2.80 Ton/m² *Inferior*

P. Hidrostática Presión Suelo + sismo



19.- Coeficiente de durabilidad ambiental.

- Coeficiente de durabilidad ambiental **Sd**. $S_d = \left(\frac{\phi f_y}{\gamma f_s}\right) = 1.69$ *NSR'10, Ec. C.23-1*

- factor gamma. $\gamma = \left(\frac{Carga\ mayorada}{Carga\ no\ mayorada}\right) = 1.6$

- coeficiente phi. $\phi = 0.9$ *NSR'10, CR.23-CR.2.6*

- esfuerzo admisible fs. (ambiente normal) $f_s =$ 1400 Kg/cm² *NSR'10, C.23-C.9.2.6.2*
- esfuerzo de fluencia del refuerzo fy. $f_y =$ 4200 Kg/cm²

NOTA: El coeficiente Sd solo aplica al refuerzo de cortante si requiere la sección, aplica para todo refuerzo que este en tracción, se debe aplicar a las cargas de diseño y no se requiere de su uso en las combinaciones que incluyan fuerzas sísmicas E. *NSR'10, C.23-C.9.2.6*

20.- Espaciamiento máximo del refuerzo.

- Espaciamiento máximo **s**. $f_s = \left(\frac{57000}{\beta\sqrt{s^2 + 4(50 + d_b/2)^2}}\right)$ *NSR'10, Ec. C.23-1*

- factor de amplificación $\beta = 1.35$ Para h<40cm *NSR'10, C.23-C.10.6.4.4*

- relación $4(50 + d_b/2)^2 = 15625$ *NSR'10, C.23-C.10.6.4.3*

- esfuerzo admisible fs. (ambiente normal) $f_s = 1400\ Kg/cm^2$ *NSR'10, C.23-C.9.2.6.2*

De la ecuación C.23-2 obtenemos que **s**: 27 cm

21.- Combinaciones de diseño.

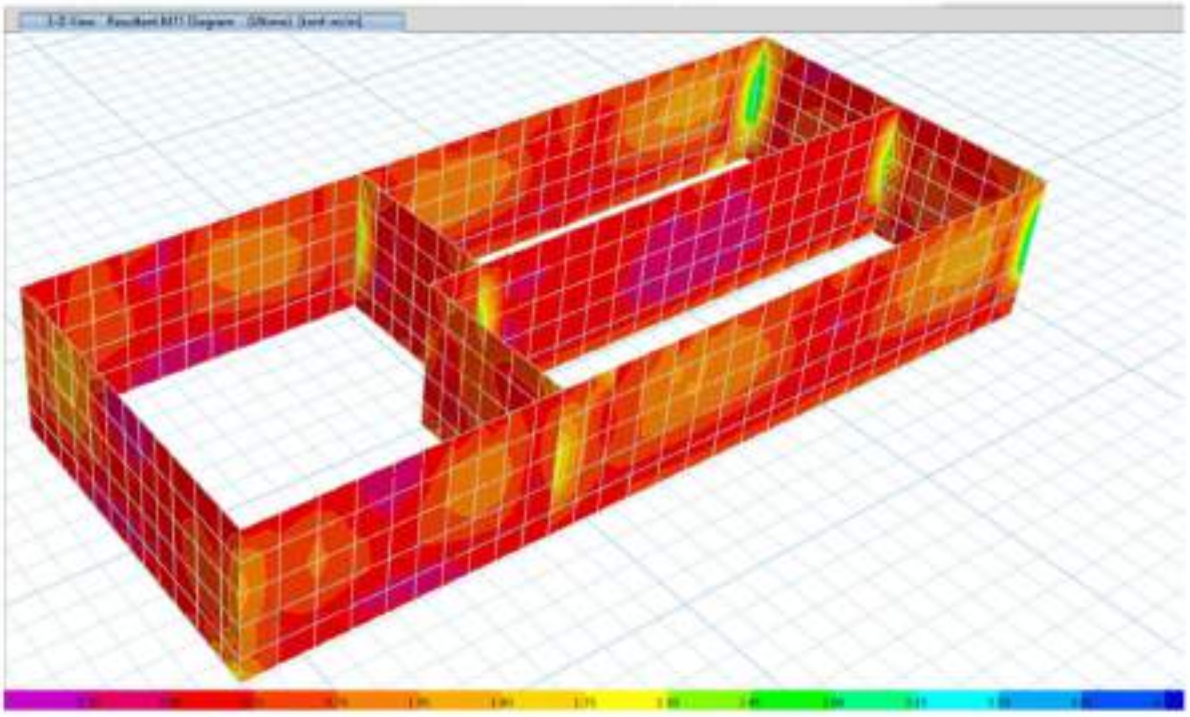
B.2.4-1. Sd (1.4D + 1.4F)
B.2.4-2. Sd (1.2D + 1.6L + 1.6H)
B.2.4-3. Sd (1.2D + 1.0L + 1.2F)
B.2.4-4. Sd (1.2D + 1.0L + 1.6H)
B.2.4-5a. 1.2D + 1.0L + 1.2F + 1.0E
B.2.4-5b. 1.2D + 1.0L + 1.6H(sismo)
B.2.4-7a. 0.9D + 0.9F + 1.0E
B.2.4-7b. 0.9D + 1.6H(sismo)

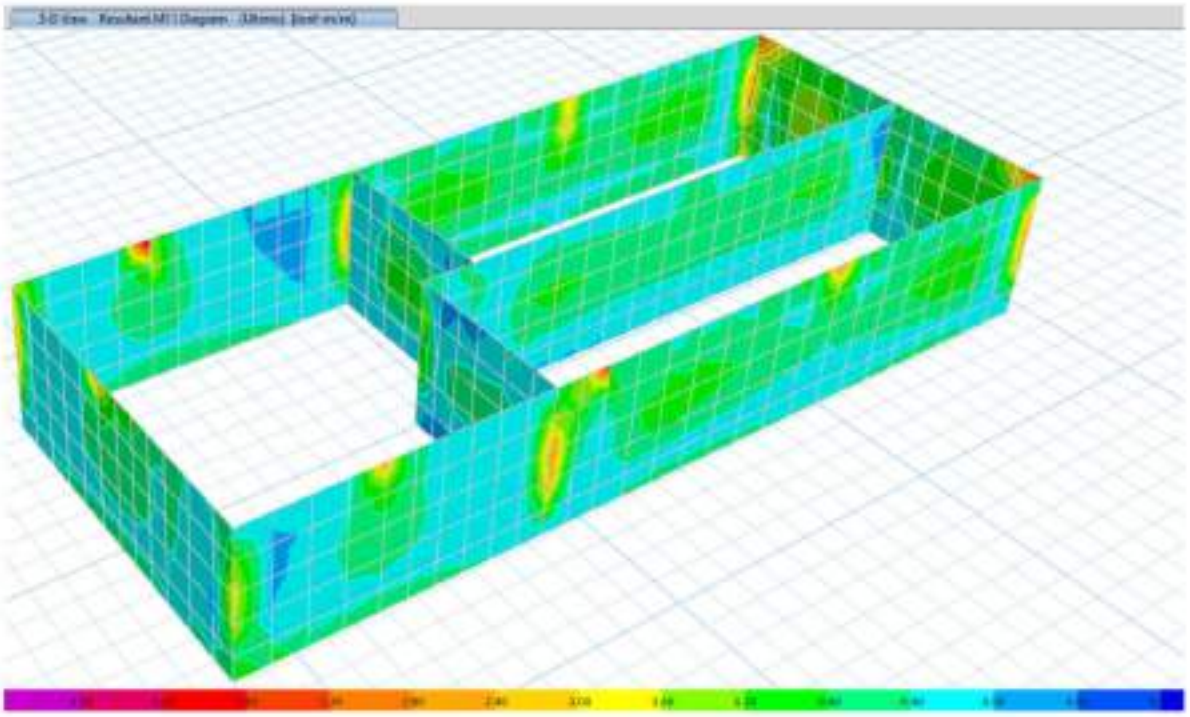
D : Carga muerta
L : Carga viva en losa de cubierta
F : Presión agua (Hidrostática)
H : Presión tierra
E : Sismo estructura mas presión agua (Hidrodinámica)

B.2.4.2.5 — Cargas de fluidos. Cuando F esté presente, debe incluirse con el mismo factor de carga de D en las ecuaciones (B.2.4-1) a (B.2.4-5) y en la ecuación (B.2.4-7).

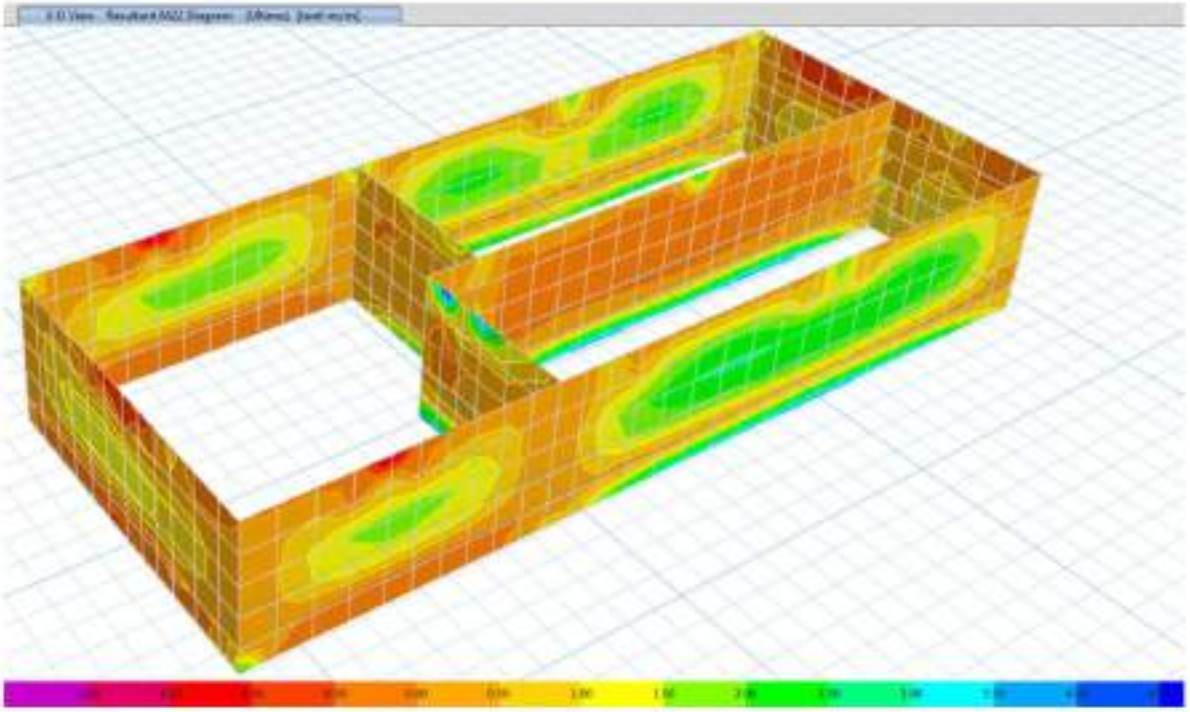
1.1.4 DISEÑO DE MUROS

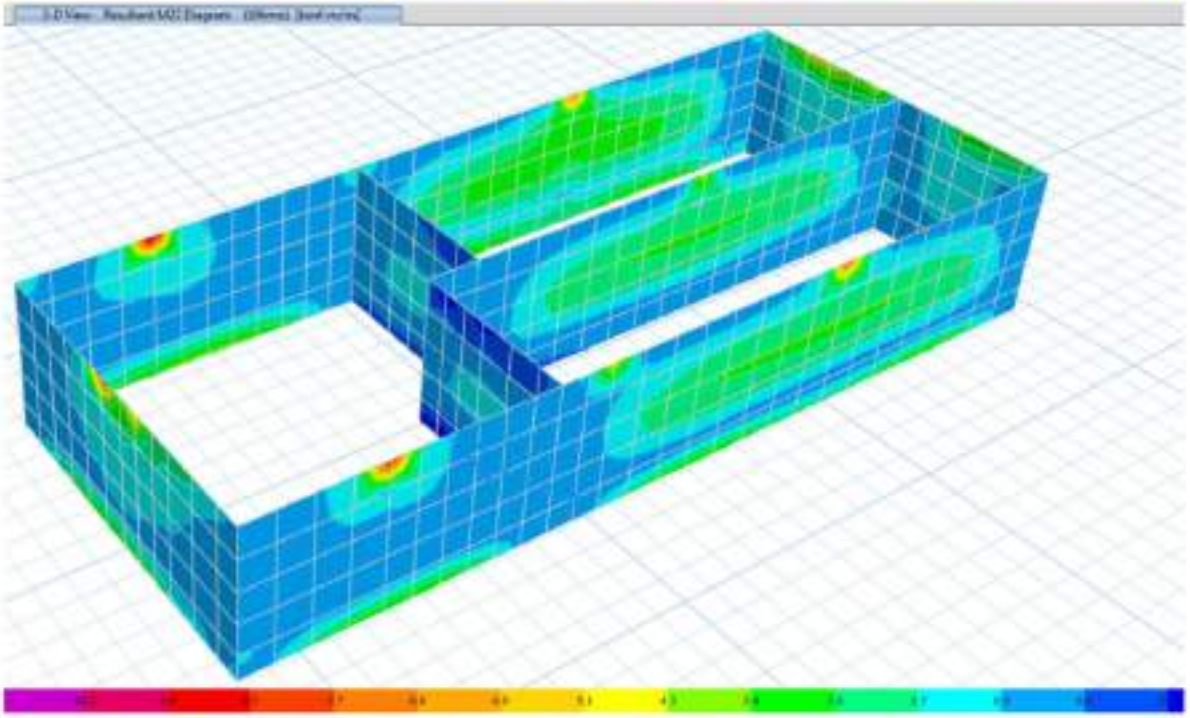
*1.1.4.1 DIAGRAMA DE MOMENTOS M11 (T*M)*



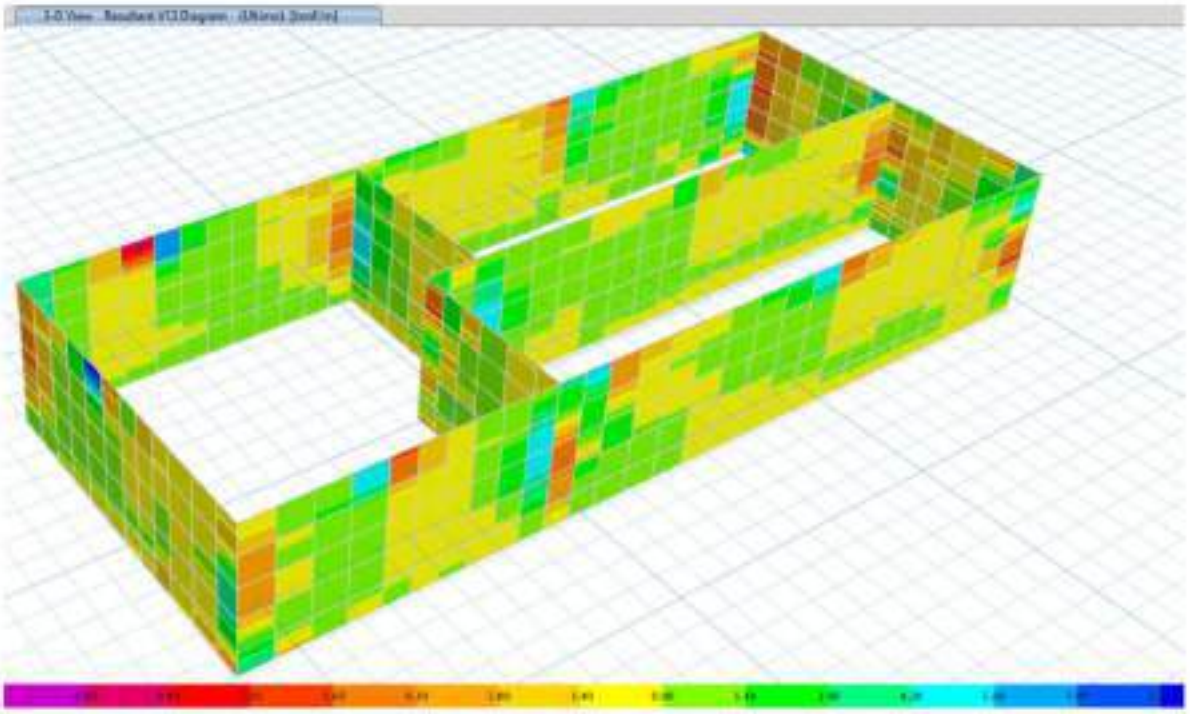


*1.1.4.2 DIAGRAMA DE MOMENTOS M22 (T*M)*

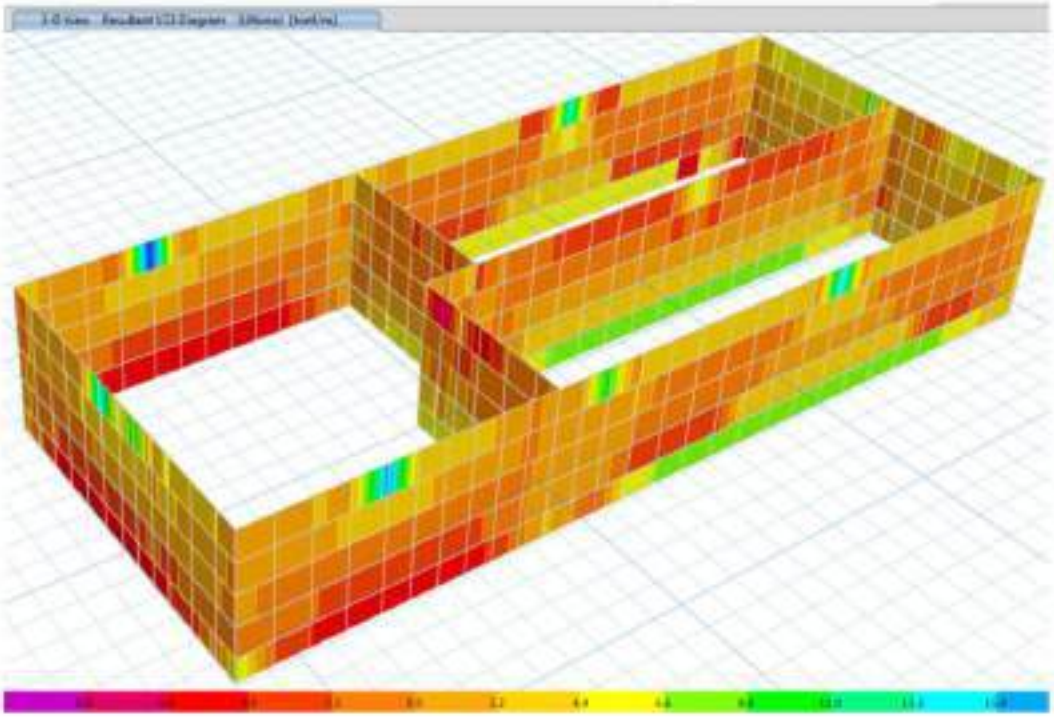




1.1.4.3 DIAGRAMA DE CORTANTE V13 (T)



1.1.4.4 DIAGRAMA DE CORTANTE V23 (T)



Refuerzo de Muros

Especificaciones

- Resistencia del concreto — $f'c$ = 280 Kg/cm²
- Fluencia del acero de refuerzo — fy = 4200 Kg/cm²

Refuerzo horizontal

	Mu [Ton-m]	b [cm]	h [cm]	d' [cm]	d [cm]	As-Req [cm²]	ρ-min	As-min/cara [cm²]
Muro +	3.20	100.00	30.00	8.00	22.00	3.91	0.0050	7.50
Muro -	4.10	100.00	30.00	8.00	22.00	5.03	0.0050	7.50

Refuerzo vertical

	Mu [Ton-m]	b [cm]	h [cm]	d' [cm]	d [cm]	As-Req [cm²]	ρ-min [cm²]	As-min/cara [cm²]
Muro +	6.40	100.00	30.00	8.00	22.00	7.95	0.0050	7.50
Muro -	6.90	100.00	30.00	8.00	22.00	8.59	0.0050	7.50

Chequeo de cortante

	Vu-máx [Ton]		ΦVc [Ton]	Check
V13	6.20	>	14.63	✓
V23	6.60	>	14.63	✓

Diseño de Losa maciza (Una dirección)

Especificaciones.

-Resistencia a compresión del concreto	**f'c:**	280	Kg/cm^2
-Esfuerzo de fluencia del acero	**fy:**	4200	Kg/cm^2
-Peso especifico del concreto	**Yc:**	2400	Kg/m^2

Cargas Distribuidas.

Carga Muerta.

Espesor de la losa:	10	cm	
Peso Propio:	0.240	Ton/m^2	
Carga Muerta Adicional:	0.250	Ton/m^2	
Carga Muerta Total **W_{DL}:**	0.490	Ton/m^2	



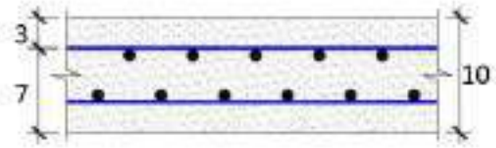
Losa Maciza

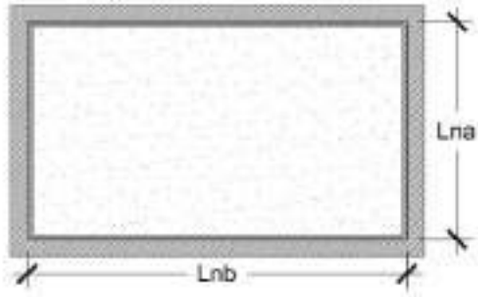
Carga Viva. *(NSR'10 - Titulo B)*

De acuerdo con B.4.2 la carga viva que se debe usar para el diseño de la estructura es función del uso de la misma. *(Área técnica)* **W_{LL}:** 1.000 Ton/m^2

W = 2.19 Ton/m2

Panel Tipo.





Panel 1 75 cm x 455 cm

- Longitud sentido corto : 75 cm
- Longitud sentido largo : 455 cm

$\rightarrow \quad \frac{L_{na}}{L_{nb}} = 0.16$ ✓

Chequeo a cortante ΦVc = 4.66 Ton/m

- Cortante requerida : **V_{ua} :** 0.82 Ton/m < ΦVc ✓

Refuerzo

- Sentido corto	**Mu (-) :**	0.14 Ton-m/m	**As (-) :**	0.52	cm^2/m
	Mu (+) :	0.09 Ton-m/m	**As (+) :**	0.33	cm^2/m
- Acero de retracción y fraguado			**As ret :**	1.8	cm^2/m
	Use	6.5mm@15cm	**As sum :**	2.21	cm^2/m

ANEXO C – DISEÑO DE CIMENTACIÓN

ANEXO C – CIMENTACIÓN

1 DESCRIPCIÓN DEL MODELO

Se realizó un modelo analítico de interacción suelo-estructura usando el programa de elementos finitos (Etabs V.18) en el cual se simuló el efecto producido por la resistencia del suelo, teniendo en cuenta el módulo de reacción vertical dado en el estudio de suelos.

1.1 ESPECIFICACIONES ESTUDIO DE SUELOS

LABCON

9. CONCLUSIONES Y RECOMENDACIONES

Las conclusiones y recomendaciones consignadas en el presente informe se basan en los resultados de las investigaciones de campo y laboratorio que se describen en los capítulos pertinentes, en la magnitud del proyecto y en la caracterización geotécnica del área en estudio.

Tabla 9.1 Resultados parámetros geotécnicos.

Unidad geotécnica	Descripción	Parámetros de resistencia			Peso específico.	Módulo de elasticidad	Módulo de poisson	Cc	Cr
		ÁNGULO DE ROZAMIENTO	COHESIÓN	COHESIÓN NO DRENADA					
		Phi' (°)	c' (kN/m2)	Cu (kN/m2)	r (kN/m3)	E (Mpa)	V	-	-
U.G. II	(6.0m – 15.0m)	33.54	0-20	68.50	19.0	18.0			
U.G. I	(0.5m – 6.0m)	25.26	0-10	28.10	16.5	10.30	0,35	0,35	0,03
U.G. 0	Apique (0.0m – 0.5m)								

MATERIAL	ÁNGULO DE ROZAMIENTO (°)	Kv (t/m3)	Kh (t/m3)
UG I	25.26	1530	1520

9.1. RECOMENDACIÓN DE CONFORMACIÓN SUPERFICIAL

Se contempla una de relleno para la primera capa superficial, se considera como suelos no aptos para construcción. El proceso debe iniciar con el retiro del material que se puedan identificar hasta un nivel de -0.50m. Profundidad medida desde a cota de terreno natural existente.

9.2. OPCIÓN CIMENTACIÓN ZAPATAS PARA ESTRUCTURAS

Para la cimentación de las estructuras de pórticos esta consultoria recomienda diseñar la cimentación una zapata a una profundidad mínima de 1.5m con una capacidad portante admisible 6,90 tn/m2 + mejoramiento en subbase granular Art. 320 compactado o ciclópeo de 50cm. Pueden ser consideradas mayores profundidades reportadas en el anexo.

El estimativo de capacidad portante admisible se efectuó adoptado como el método teórico para definir este parámetro de resistencia de los suelos mediante condiciones no drenadas, considerando un factor de seguridad 3 de acuerdo con lo mencionado por la Tabla.4.7-1 de la NSR-10.

Los asentamientos totales, contemplando asentamientos inmediatos debido a la presencia de suelos arenosas se evalúan zapatas con una dimensión mínima de 1.50 m x 1.50 m y un desplante de 1,5 m,

JUAN DAVID SALAZAR - Master Ingeniería Civil

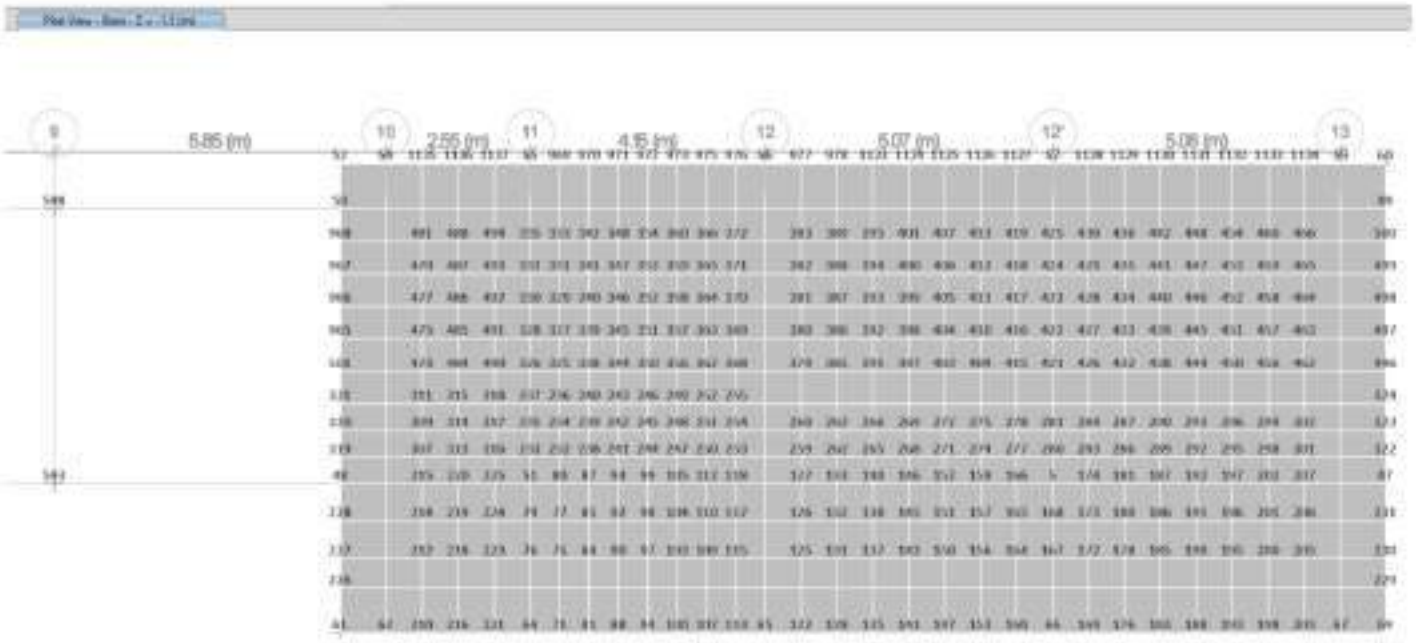
(+57) 302 350 9676

CARLOS MAURICIO MENDEZ - Máster Ingeniería Civil

(+57) 321 871 7176

Figura 1. Información tomada del estudio de suelos: LABCON

1.2 IDENTIFICACIÓN DE APOYOS Y REACCIONES



- ***Reacciones (Análisis estático) – Ton***

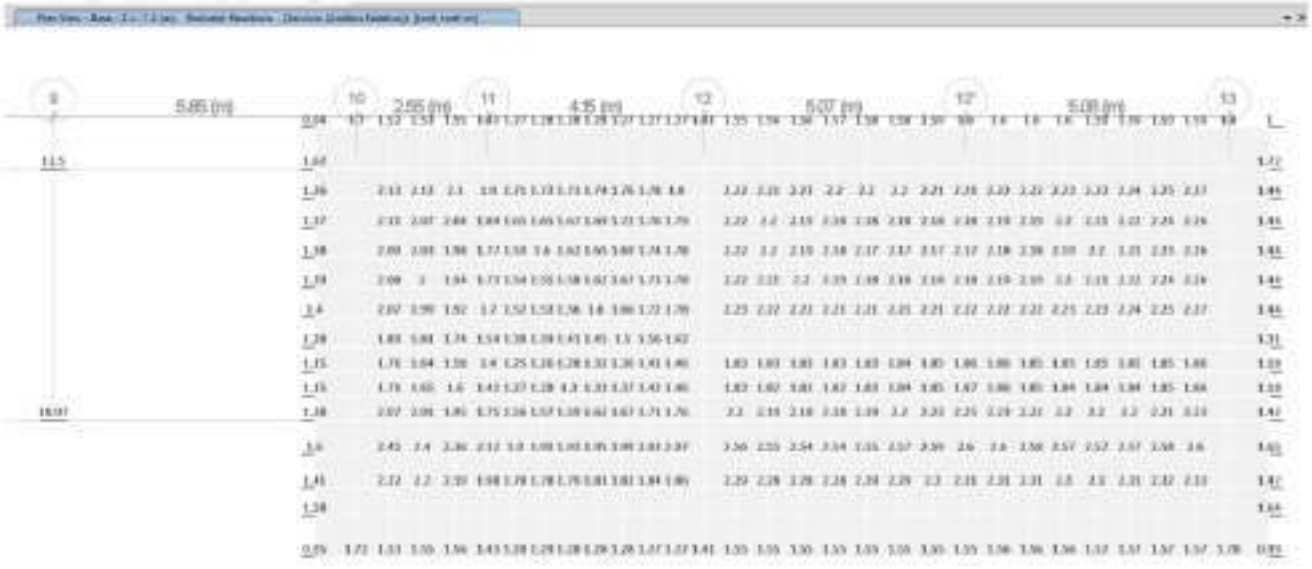
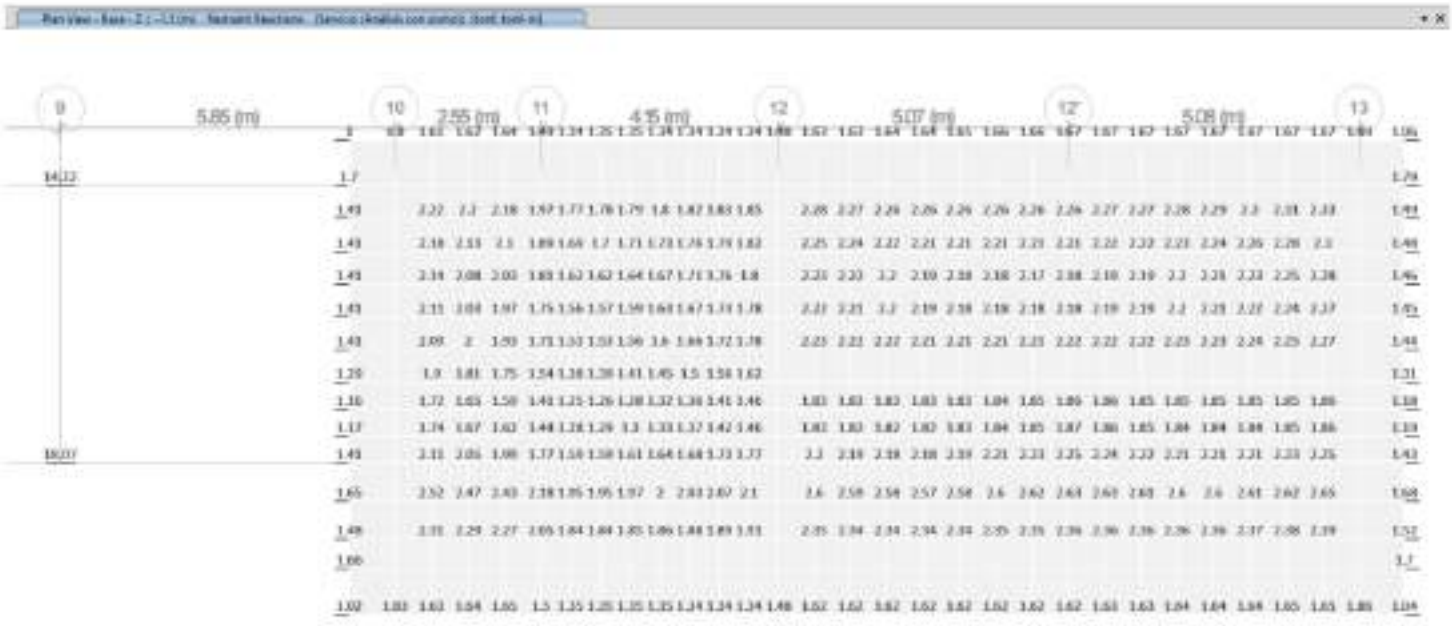
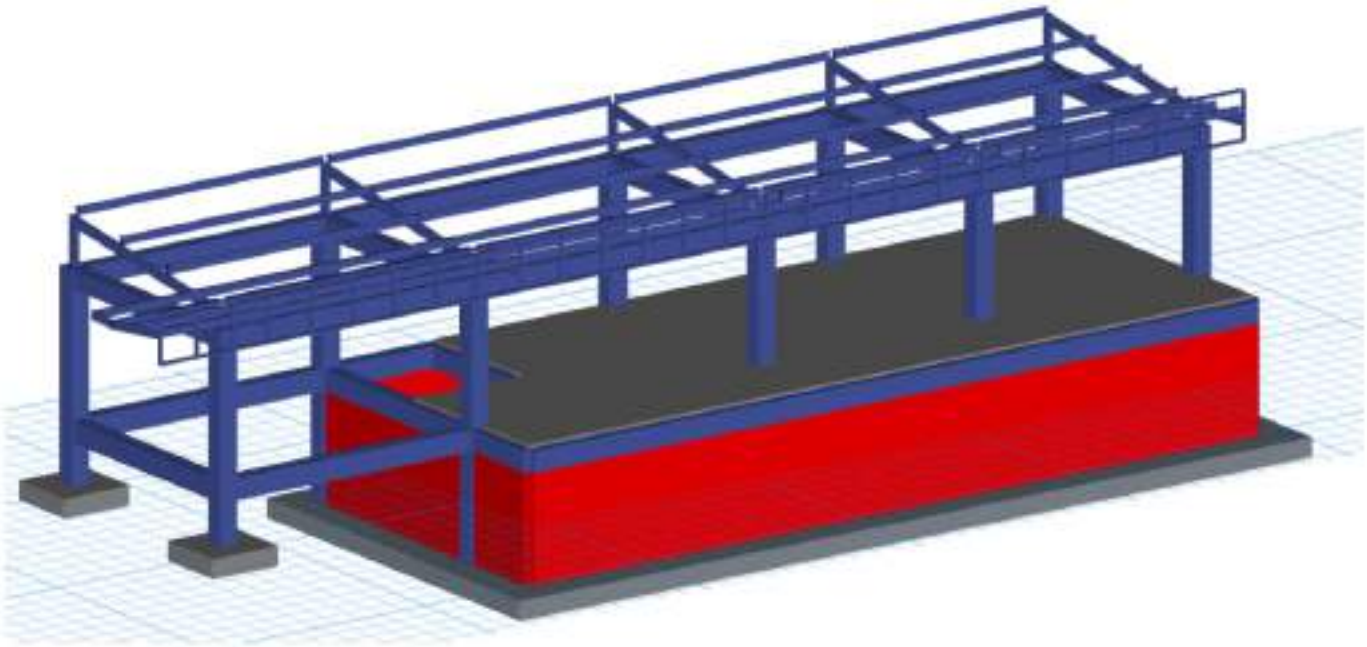


Figura 2. Identificación de apoyos.

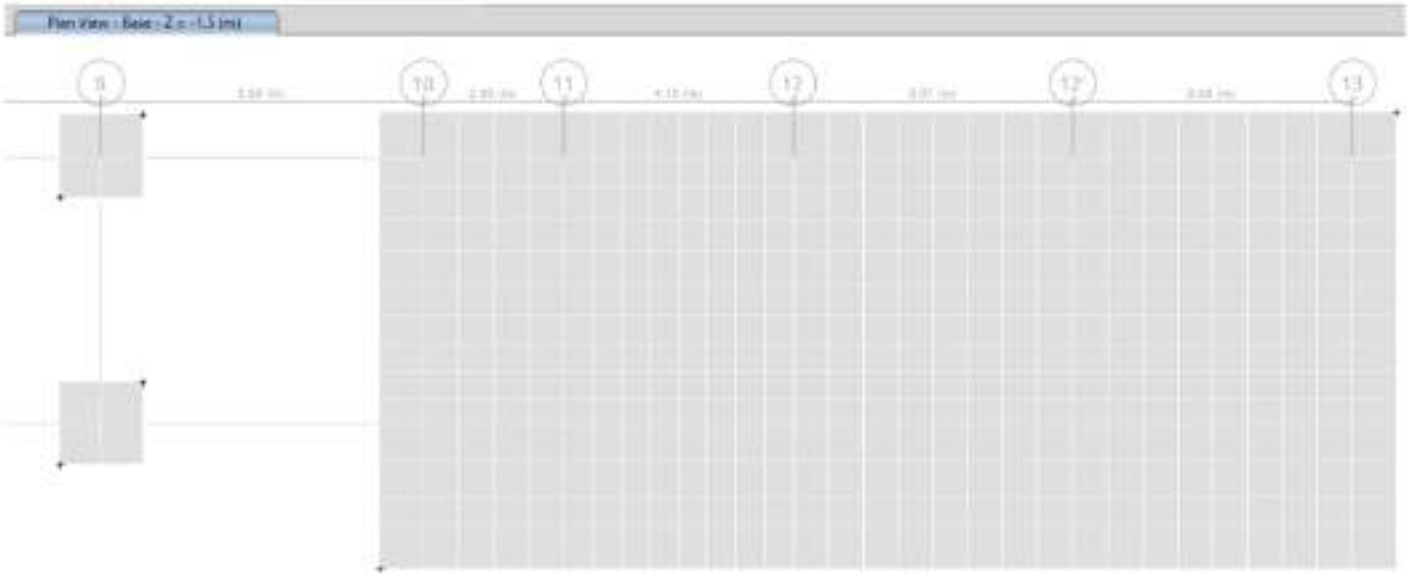
- ***Reacciones (Análisis con sismo) – Ton***



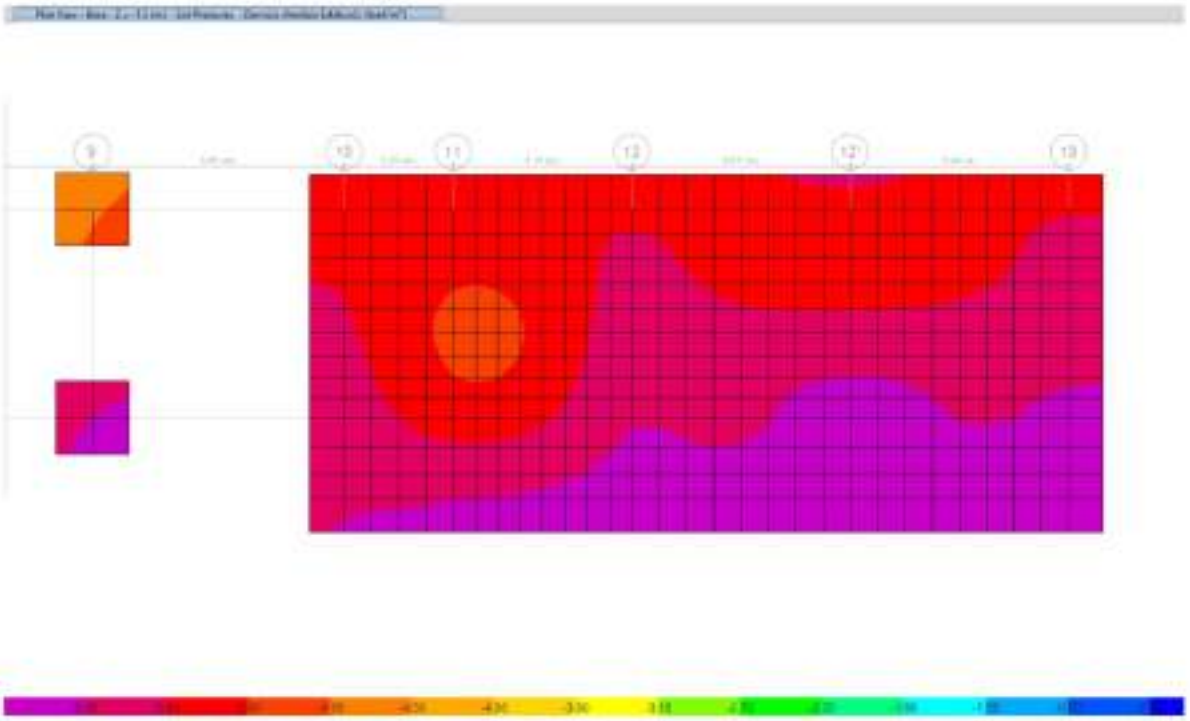
1.3 MODELO VISTA 3D



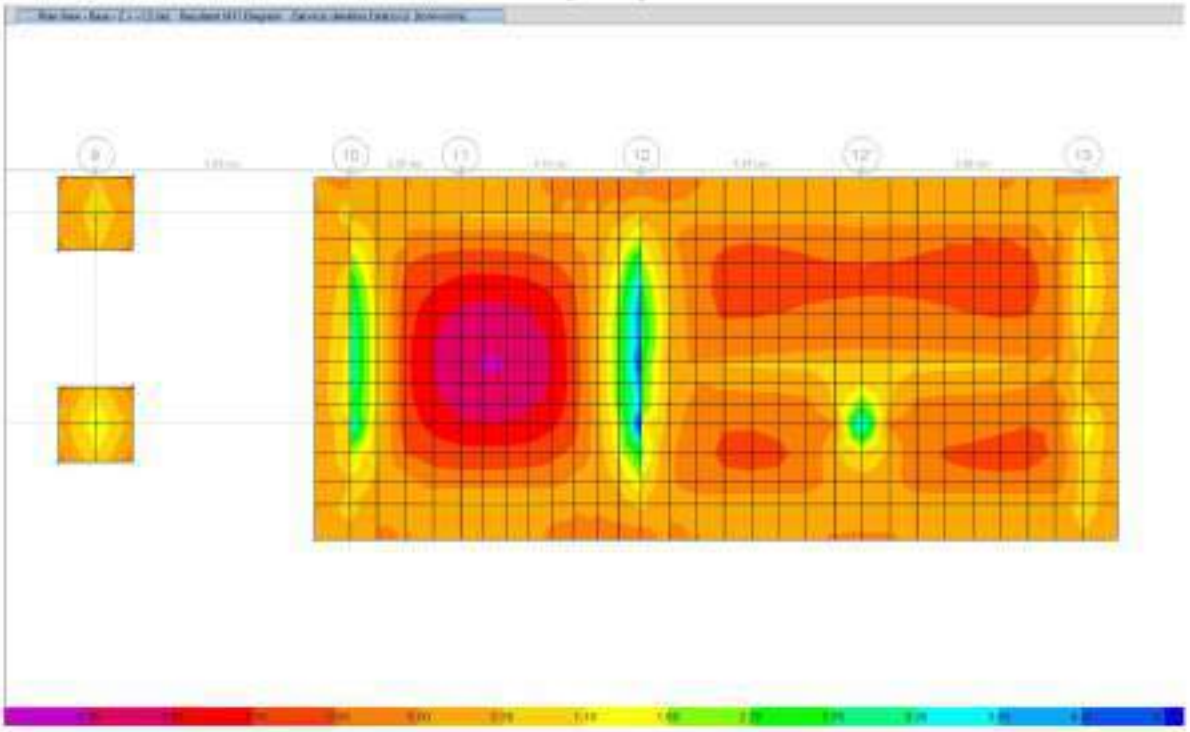
1.4 VISTA EN PLANTA



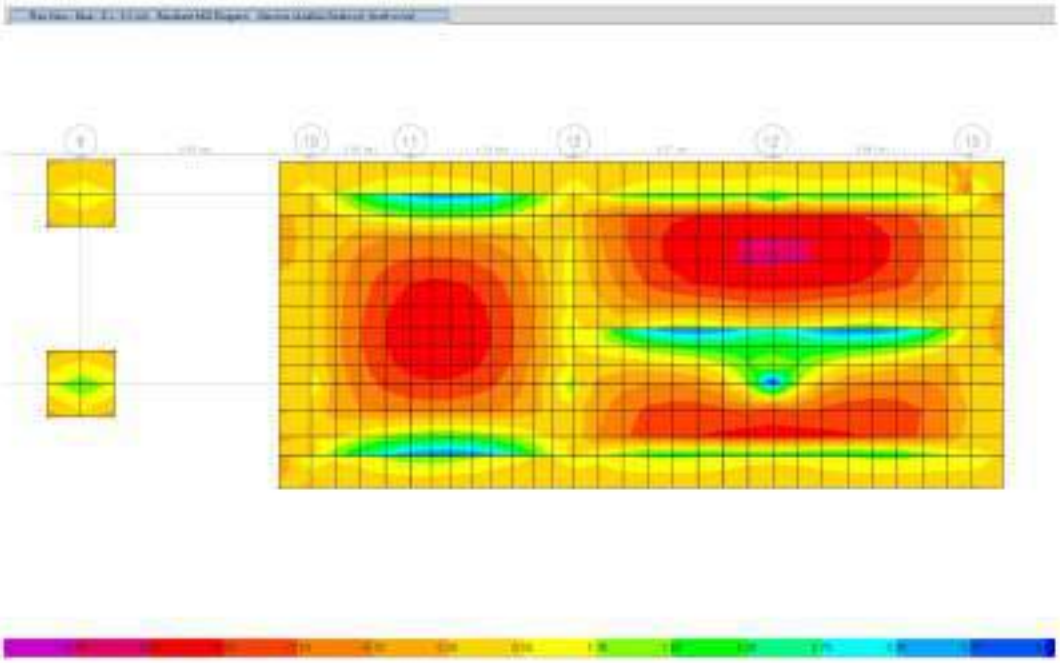
1.5 DIAGRAMA DE PRESIÓN DE CONTACTO - PLANTA (T/M^2)



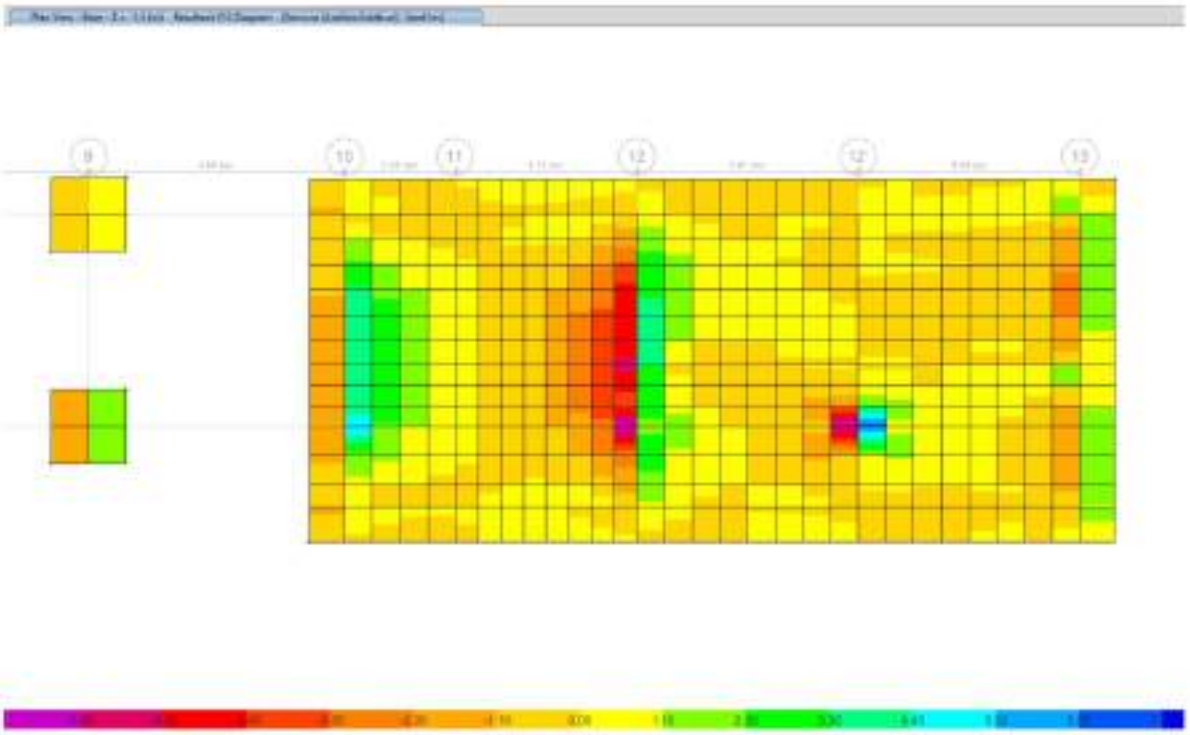
1.6 DIAGRAMA DE MOMENTOS M11 (T*M)



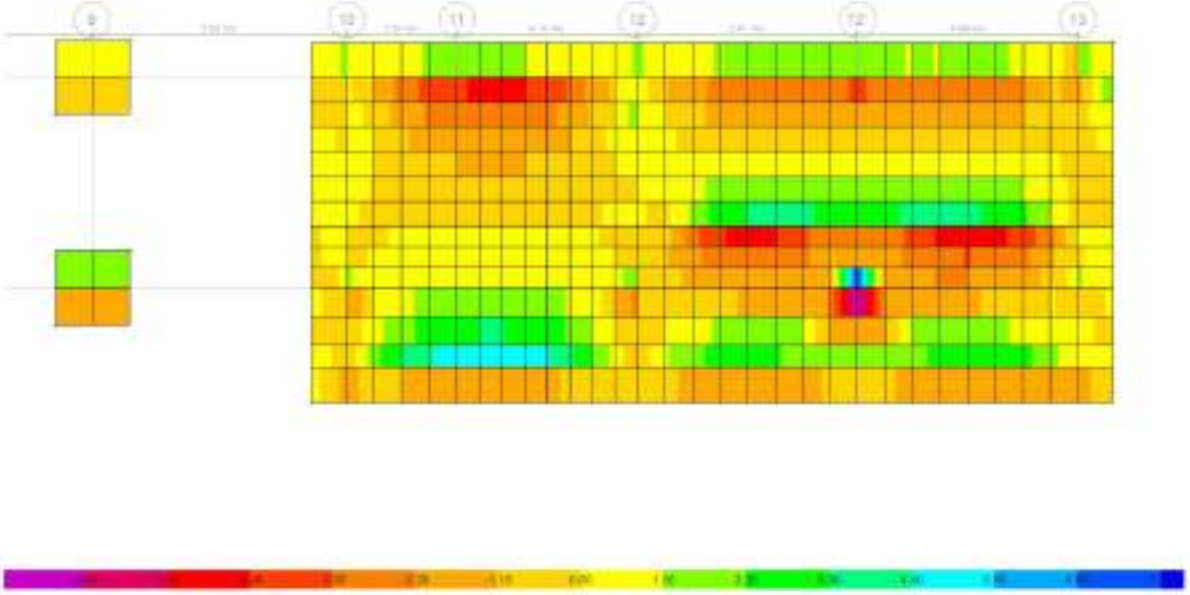
1.7 DIAGRAMA DE MOMENTOS M22 (T*M)



1.8 DIAGRAMA DE CORTANTE V13 (T)



1.9 DIAGRAMA DE CORTANTE V23 (T)



1.10 DIAGRAMA DE PUNZONAMIENTO

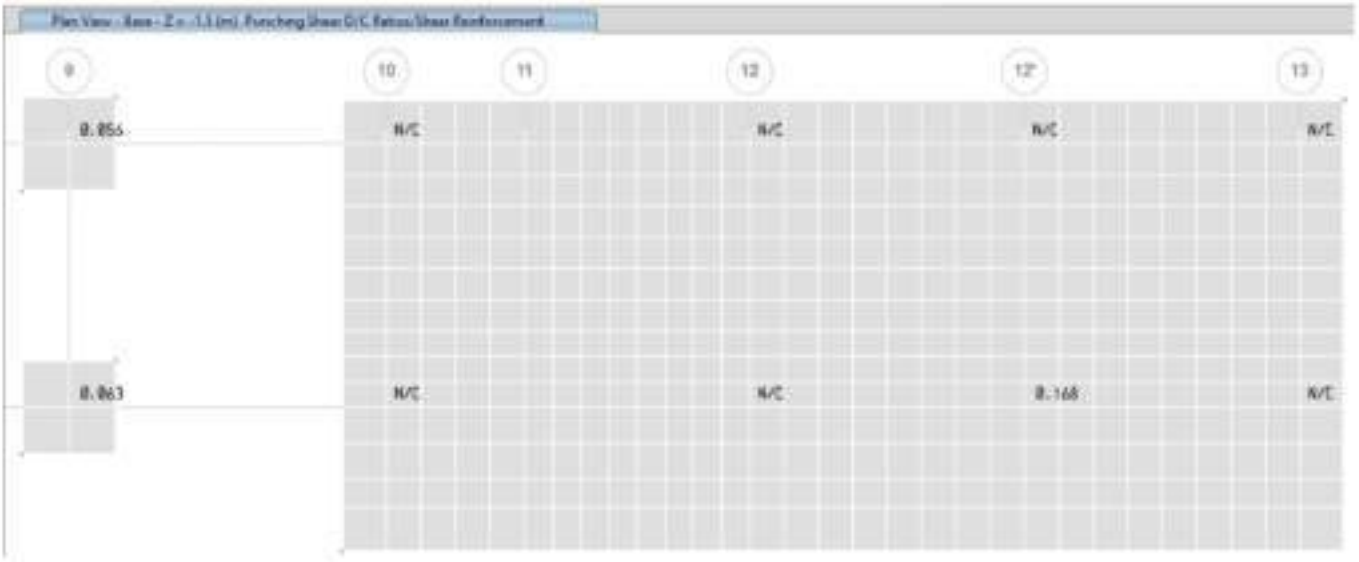


Table: Concrete Slab Design - Punching Shear Data, Part 1 of 6

Table: Concrete Slab Design - Punching Shear Data, Part 1 of 6

Story	Point	GlobalX	GlobalY	ReinfType	Status	Ratio	NumRails	StudPerRail
Unitless	Unitless	m	m	Unitless	Unitless	Unitless	Unitless	Unitless
Base	593	152.85	0	None	OK	0.063141		
Base	598	152.85	4.85	None	OK	0.056483		
Base	5	170.47	0	None	OK	0.168022		

Table: Concrete Slab Design - Punching Shear Data, Part 2 of 6

Table: Concrete Slab Design - Punching Shear Data, Part 2 of 6

Story	Point	GlobalX	ReinfType	StudPerRail	Combo	ShrStrMax	ShrStrCap	ReinfPat
Unitless	Unitless	m	Unitless	Unitless	Unitless	tonf/m²	tonf/m²	Unitless
Base	593	152.85	None		B.2.4-5b	8.4	133.11	
Base	598	152.85	None		B.2.4-5	7.52	133.11	
Base	1	158.7	None					
Base	2	158.7	None					
Base	3	165.4	None					
Base	4	165.4	None					
Base	5	170.47	None		B.2.4-3a	22.36	133.11	
Base	6	170.47	None					
Base	7	175.55	None					
Base	9	175.55	None					

Table: Concrete Slab Design - Punching Shear Data, Part 3 of 6

Table: Concrete Slab Design - Punching Shear Data, Part 3 of 6

Story	Point	GlobalX	ReinfType	StudPerRail	ReinfFy	ReinfDiam	Gamma_v2	Gamma_v3
Unitless	Unitless	m	Unitless	Unitless	tonf/m²	m	Unitless	Unitless
Base	593	152.85	None				0.4	0.4
Base	598	152.85	None				0.4	0.4
Base	1	158.7	None					
Base	2	158.7	None					
Base	3	165.4	None					
Base	4	165.4	None					
Base	5	170.47	None				0.4	0.4
Base	6	170.47	None					
Base	7	175.55	None					
Base	9	175.55	None					

Table: Concrete Slab Design - Punching Shear Data, Part 4 of 6

Table: Concrete Slab Design - Punching Shear Data, Part 4 of 6

Story	Point	GlobalX	ReinfType	StudPerRail	Gamma_v3	Mu2	Mu3	Vu
Unitless	Unitless	m	Unitless	Unitless	Unitless	tonf-m	tonf-m	tonf
Base	593	152.85	None		0.4	2.6288	-1.3353	1.2559
Base	598	152.85	None		0.4	-0.5551	1.8989	1.6804
Base	1	158.7	None					
Base	2	158.7	None					
Base	3	165.4	None					
Base	4	165.4	None					
Base	5	170.47	None		0.4	-0.4132	-0.098	-19.0787
Base	6	170.47	None					
Base	7	175.55	None					
Base	9	175.55	None					

Table: Concrete Slab Design - Punching Shear Data, Part 5 of 6

Table: Concrete Slab Design - Punching Shear Data, Part 5 of 6

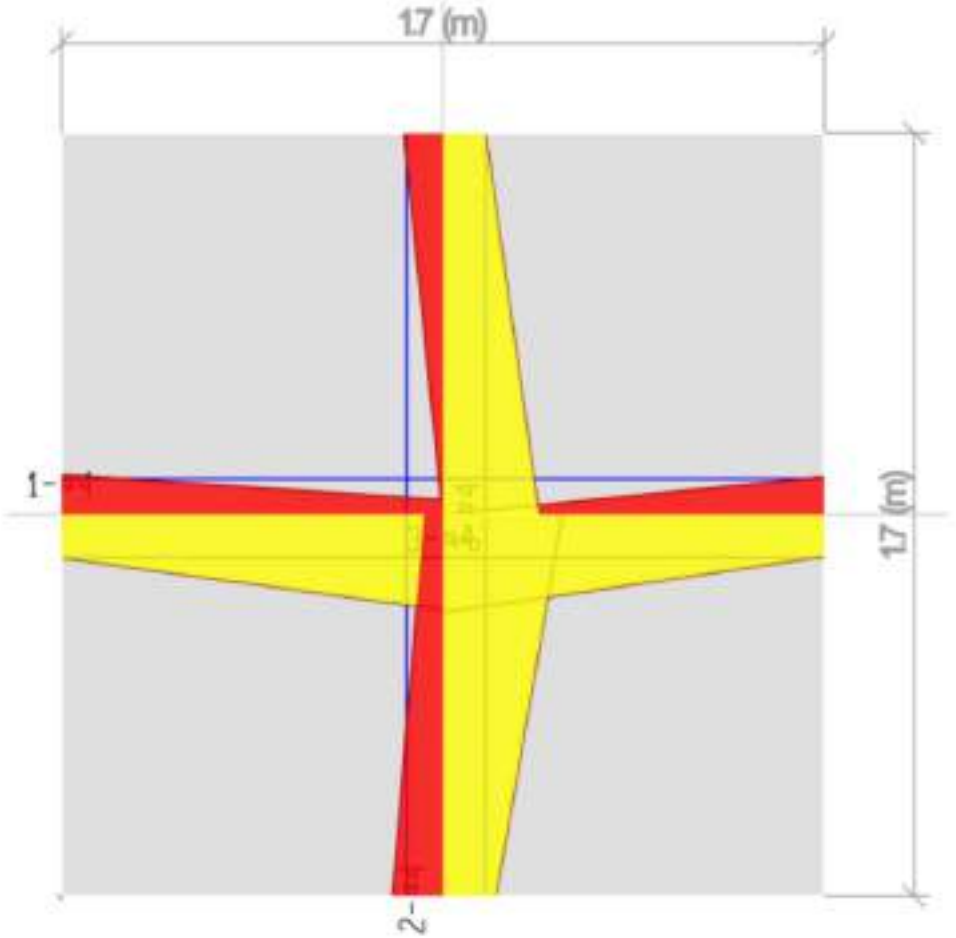
Story	Point	GlobalX	ReinfType	StudPerRail	Gamma_v3	UnbalMu2	UnbalMu3	Depth
Unitless	Unitless	m	Unitless	Unitless	Unitless	tonf-m	tonf-m	m
Base	593	152.85	None		0.4	1.0515	-0.5341	0.3123
Base	598	152.85	None		0.4	-0.222	0.7596	0.3123
Base	1	158.7	None					
Base	2	158.7	None					
Base	3	165.4	None					
Base	4	165.4	None					
Base	5	170.47	None		0.4	-0.1653	-0.0392	0.3123
Base	6	170.47	None					
Base	7	175.55	None					
Base	9	175.55	None					

Table: Concrete Slab Design - Punching Shear Data, Part 6 of 6

Table: Concrete Slab Design - Punching Shear Data, Part 6 of 6

Story	Point	GlobalX	RebfType	StudPerRail	Gamma_v3	Perimeter	Location
Unitless	Unitless	m	Unitless	Unitless	Unitless	m	Unitless
Base	593	152.85	None		0.4	2.41281	Corner
Base	598	152.85	None		0.4	2.41281	Corner
Base	1	158.7	None				
Base	2	158.7	None				
Base	3	165.4	None				
Base	4	165.4	None				
Base	5	170.47	None		0.4	2.8492	Interior
Base	6	170.47	None				
Base	7	175.55	None				
Base	9	175.55	None				

1.11 ZAPATA Z1



Acero requerido #4@15cm en ambos sentidos

Table: Concrete Slab Design - Flexure and Shear Data, Part 1 of 4

Table: Concrete Slab Design - Flexure and Shear Data, Part 1 of 4

Story	StripObject	Station	ConcWidth	FTopCombo	FTopMomen t	FTopArea	FTopAMin	FBotCombo
Unitless	Unitless	m	m	Unitless	tonf-m	m²	m²	Unitless
Base	CSA2	0	1.7	B.2.4-5b	-0.644	0.000107	0	B.2.4-5b
Base	CSA2	0.85	1.7	B.2.4-7b	-0.0206	4E-05	0	B.2.4-5
Base	CSA2	1.7	1.7	B.2.4-5	-0.6764	0.000102	0	B.2.4-5
Base	CSB2	0	1.7	B.2.4-5b	-0.9327	0.000135	0	B.2.4-5b
Base	CSB2	0.85	1.7	B.2.4-7b	-0.0963	4.9E-05	0	B.2.4-5
Base	CSB2	1.7	1.7	B.2.4-5	-0.581	0.000105	0	B.2.4-5

Table: Concrete Slab Design - Flexure and Shear Data, Part 2 of 4

Table: Concrete Slab Design - Flexure and Shear Data, Part 2 of 4

Story	StripObject	Station	FTopCombo	FBotCombo	FBotMoment	FBotArea	FBotAMin	AxialForce
Unitless	Unitless	m	Unitless	Unitless	tonf-m	m²	m²	tonf
Base	CSA2	0	B.2.4-5b	B.2.4-5b	0.7536	0.000117	0.001229	-3.253
Base	CSA2	0.85	B.2.4-7b	B.2.4-5	2.6572	0.000263	0.001229	-2.5438
Base	CSA2	1.7	B.2.4-5	B.2.4-5	0.8095	0.000113	0.001229	-2.7401
Base	CSB2	0	B.2.4-5b	B.2.4-5b	1.0266	0.000144	0.001229	-3.1621
Base	CSB2	0.85	B.2.4-7b	B.2.4-5	3.1478	0.000322	0.001229	-2.8156
Base	CSB2	1.7	B.2.4-5	B.2.4-5	0.7018	0.000115	0.001229	-3.1378

Table: Concrete Slab Design - Flexure and Shear Data, Part 3 of 4

Table: Concrete Slab Design - Flexure and Shear Data, Part 3 of 4

Story	StripObject	Station	FTopCombo	FBotCombo	VCombo	VForce	VArea	Status
Unitless	Unitless	m	Unitless	Unitless	Unitless	tonf	m²/m	Unitless
Base	CSA2	0	B.2.4-5b	B.2.4-5b	B.2.4-3b	2.9422	0	OK
Base	CSA2	0.85	B.2.4-7b	B.2.4-5	B.2.4-3b	3.1314	0	OK
Base	CSA2	1.7	B.2.4-5	B.2.4-5	B.2.4-3b	3.1314	0	OK
Base	CSB2	0	B.2.4-5b	B.2.4-5b	B.2.4-3b	3.1801	0	OK
Base	CSB2	0.85	B.2.4-7b	B.2.4-5	B.2.4-3b	3.1801	0	OK
Base	CSB2	1.7	B.2.4-5	B.2.4-5	B.2.4-3b	2.8936	0	OK

Table: Concrete Slab Design - Flexure and Shear Data, Part 4 of 4

Table: Concrete Slab Design - Flexure and Shear Data, Part 4 of 4

Story	StripObject	Station	FTopCombo	FBotCombo	VCombo	GlobalX	GlobalY	Layer
Unitless	Unitless	m	Unitless	Unitless	Unitless	m	m	Unitless
Base	CSA2	0	B.2.4-5b	B.2.4-5b	B.2.4-3b	152	0	A
Base	CSA2	0.85	B.2.4-7b	B.2.4-5	B.2.4-3b	152.85	0	A
Base	CSA2	1.7	B.2.4-5	B.2.4-5	B.2.4-3b	153.7	0	A
Base	CSB2	0	B.2.4-5b	B.2.4-5b	B.2.4-3b	152.85	-0.85	B
Base	CSB2	0.85	B.2.4-7b	B.2.4-5	B.2.4-3b	152.85	0	B
Base	CSB2	1.7	B.2.4-5	B.2.4-5	B.2.4-3b	152.85	0.85	B

1.12 REACCIONES EN APOYOS

Table: Joint Reactions, Part 1 of 2

Table: Joint Reactions, Part 1 of 2

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX	FY	FZ
Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	tonf	tonf	tonf
Base	593	222	Servicio (Análisis Estático)	Combination	Max	1.6815	0.2804	18.0692
Base	593	222	Servicio (Análisis Estático)	Combination	Min	0.5173	0.1368	5.7404
Base	593	222	Servicio (Análisis con sismo)	Combination	Max	3.4972	1.1898	18.0692
Base	593	222	Servicio (Análisis con sismo)	Combination	Min	-1.3008	-0.7872	5.7404
Base	598	224	Servicio (Análisis Estático)	Combination	Max	1.8764	-0.1435	13.4983
Base	598	224	Servicio (Análisis Estático)	Combination	Min	0.6265	-0.2803	6.8677
Base	598	224	Servicio (Análisis con sismo)	Combination	Max	3.6327	0.7539	14.219
Base	598	224	Servicio (Análisis con sismo)	Combination	Min	-1.1328	-1.1772	5.8924

Table: Joint Reactions, Part 2 of 2

Table: Joint Reactions, Part 2 of 2

Story	Label	Unique Name	MX	MY	MZ
Unitless	Unitless	Unitless	tonf-m	tonf-m	tonf-m
Base	593	222	-0.0508	0.5755	0.0045
Base	593	222	-0.1649	0.1366	-0.0049
Base	593	222	1.3057	2.3145	0.061
Base	593	222	-1.5001	-1.6045	-0.0692
Base	598	224	0.1068	0.6738	0.0014
Base	598	224	0.0766	0.1977	-0.0067
Base	598	224	1.4756	2.4577	0.0571
Base	598	224	-1.303	-1.5886	-0.0679

1.13 VIGAS DE CIMENTACIÓN

Table: Concrete Beam Design Summary - ACI 318-08, Part 1 of 4

Table: Concrete Beam Design Summary - ACI 318-08, Part 1 of 4

Story	Label	UniqueName	DesignSect	Station	Status	AsTopCombo	AsMinTop	AsTop
Unitless	Unitless	Unitless	Unitless	m	Unitless	Unitless	m²	m²
Piso 1	B485	188	V(30x45)	0.2	No Message	B.2.4-5	0.000293	0.000293
Piso 1	B485	188	V(30x45)	0.69444	No Message	B.2.4-5	0.000203	0.000203
Piso 1	B485	188	V(30x45)	1.18889	No Message	B.2.4-7a	0.000125	0.000125
Piso 1	B485	188	V(30x45)	1.68333	No Message	B.2.4-5b	7.6E-05	7.6E-05
Piso 1	B485	188	V(30x45)	2.17778	No Message	B.2.4-5b	7.6E-05	7.6E-05
Piso 1	B485	188	V(30x45)	2.67222	No Message	B.2.4-5b	7.6E-05	7.6E-05
Piso 1	B485	188	V(30x45)	3.16667	No Message	B.2.4-5b	7.6E-05	7.6E-05
Piso 1	B485	188	V(30x45)	3.66111	No Message	B.2.4-7b	0.000132	0.000132
Piso 1	B485	188	V(30x45)	4.15556	No Message	B.2.4-5b	0.000211	0.000211
Piso 1	B485	188	V(30x45)	4.65	No Message	B.2.4-5b	0.000303	0.000303
Piso 1	B493	189	V(30x45)	0.2	No Message	B.2.4-5	0.000187	0.000187
Piso 1	B493	189	V(30x45)	0.69545	No Message	B.2.4-5	0.000139	0.000139
Piso 1	B493	189	V(30x45)	1.19091	No Message	B.2.4-5b	0.000118	0.000118
Piso 1	B493	189	V(30x45)	1.68636	No Message	B.2.4-5b	0.000118	0.000118
Piso 1	B493	189	V(30x45)	2.18182	No Message	B.2.4-5b	0.000118	0.000118
Piso 1	B493	189	V(30x45)	2.67727	No Message	B.2.4-5b	0.000118	0.000118
Piso 1	B493	189	V(30x45)	3.17273	No Message	B.2.4-5b	0.000118	0.000118
Piso 1	B493	189	V(30x45)	3.66818	No Message	B.2.4-5b	0.000118	0.000118
Piso 1	B493	189	V(30x45)	4.16364	No Message	B.2.4-5b	0.000118	0.000118
Piso 1	B493	189	V(30x45)	4.65909	No Message	B.2.4-5b	0.000178	0.000178
Piso 1	B493	189	V(30x45)	5.15455	No Message	B.2.4-5b	0.000248	0.000248
Piso 1	B493	189	V(30x45)	5.65	No Message	B.2.4-5b	0.000328	0.000328
Piso 1	B499	190	V(30x45)	0.2	No Message	B.2.4-5	0.000229	0.000229
Piso 1	B499	190	V(30x45)	0.69545	No Message	B.2.4-5	0.000167	0.000167
Piso 1	B499	190	V(30x45)	1.19091	No Message	B.2.4-5	0.000114	0.000114
Piso 1	B499	190	V(30x45)	1.68636	No Message	B.2.4-5	9.2E-05	9.2E-05
Piso 1	B499	190	V(30x45)	2.18182	No Message	B.2.4-5	9.2E-05	9.2E-05
Piso 1	B499	190	V(30x45)	2.67727	No Message	B.2.4-5	9.2E-05	9.2E-05
Piso 1	B499	190	V(30x45)	3.17273	No Message	B.2.4-5	9.2E-05	9.2E-05
Piso 1	B499	190	V(30x45)	3.66818	No Message	B.2.4-5	9.2E-05	9.2E-05
Piso 1	B499	190	V(30x45)	4.16364	No Message	B.2.4-5	9.2E-05	9.2E-05
Piso 1	B499	190	V(30x45)	4.65909	No Message	B.2.4-5b	0.000118	0.000118
Piso 1	B499	190	V(30x45)	5.15455	No Message	B.2.4-5b	0.000179	0.000179
Piso 1	B499	190	V(30x45)	5.65	No Message	B.2.4-5b	0.000249	0.000249

Table: Concrete Beam Design Summary - ACI 318-08, Part 2 of 4

Table: Concrete Beam Design Summary - ACI 318-08, Part 2 of 4

Story	Label	UniqueName	Station	AsBotCombo	AsMinBot	AsBot	VCombo	VRebar
Unitless	Unitless	Unitless	m	Unitless	m²	m²	Unitless	m²/m
Piso 1	B485	188	0.2	B.2.4-7b	0.000219	0.000219	B.2.4-5b	0.00026
Piso 1	B485	188	0.69444	B.2.4-7b	0.000188	0.000188	B.2.4-7b	0.00025

Table: Concrete Beam Design Summary - ACI 318-08, Part 2 of 4

Story	Label	UniqueName	Station	AsBotCombo	AsMinBot	AsBot	VCombo	VRebar
Unitless	Unitless	Unitless	m	Unitless	m²	m²	Unitless	m²/m
Piso 1	B485	188	1.18889	B.2.4-5b	0.000155	0.000155	B.2.4-7b	0.00025
Piso 1	B485	188	1.68333	B.2.4-5b	0.000116	0.000116	B.2.4-7b	0.00025
Piso 1	B485	188	2.17778	B.2.4-5b	7.6E-05	7.6E-05	B.2.4-7b	0.00025
Piso 1	B485	188	2.67222	B.2.4-5b	7.6E-05	7.6E-05	B.2.4-7b	0.00025
Piso 1	B485	188	3.16667	B.2.4-5	0.000114	0.000114	B.2.4-7b	0.00025
Piso 1	B485	188	3.66111	B.2.4-5	0.000151	0.000151	B.2.4-7b	0.00025
Piso 1	B485	188	4.15556	B.2.4-7a	0.000182	0.000182	B.2.4-7b	0.00025
Piso 1	B485	188	4.65	B.2.4-7a	0.00021	0.00021	B.2.4-5b	0.00026
Piso 1	B493	189	0.2	B.2.4-5b	0.000172	0.000172	B.2.4-7b	0.00025
Piso 1	B493	189	0.69545	B.2.4-5b	0.000178	0.000178	B.2.4-7b	0.00025
Piso 1	B493	189	1.19091	B.2.4-5b	0.000175	0.000175	B.2.4-7b	0.00025
Piso 1	B493	189	1.68636	B.2.4-5b	0.000165	0.000165	B.2.4-7b	0.00025
Piso 1	B493	189	2.18182	B.2.4-5b	0.000146	0.000146	B.2.4-7b	0.00025
Piso 1	B493	189	2.67727	B.2.4-5b	0.000118	0.000118	B.2.4-7b	0.00025
Piso 1	B493	189	3.17273	B.2.4-5b	0.000118	0.000118	B.2.4-7b	0.00025
Piso 1	B493	189	3.66818	B.2.4-5b	0.000118	0.000118	B.2.4-7b	0.00025
Piso 1	B493	189	4.16364	B.2.4-5b	0.000118	0.000118	B.2.4-7b	0.00025
Piso 1	B493	189	4.65909	B.2.4-5b	0.000118	0.000118	B.2.4-7b	0.00025
Piso 1	B493	189	5.15455	B.2.4-5b	0.000118	0.000118	B.2.4-7b	0.00025
Piso 1	B493	189	5.65	B.2.4-5b	0.000188	0.000188	B.2.4-7b	0.00025
Piso 1	B499	190	0.2	B.2.4-7b	0.00014	0.00014	B.2.4-7b	0.00025
Piso 1	B499	190	0.69545	B.2.4-7b	0.000145	0.000145	B.2.4-7b	0.00025
Piso 1	B499	190	1.19091	B.2.4-5b	0.000148	0.000148	B.2.4-7b	0.00025
Piso 1	B499	190	1.68636	B.2.4-5b	0.000146	0.000146	B.2.4-7b	0.00025
Piso 1	B499	190	2.18182	B.2.4-5b	0.000137	0.000137	B.2.4-7b	0.00025
Piso 1	B499	190	2.67727	B.2.4-5	0.000131	0.000131	B.2.4-7b	0.00025
Piso 1	B499	190	3.17273	B.2.4-5	0.000123	0.000123	B.2.4-7b	0.00025
Piso 1	B499	190	3.66818	B.2.4-5	0.000121	0.000121	B.2.4-7b	0.00025
Piso 1	B499	190	4.16364	B.2.4-5	0.000122	0.000122	B.2.4-7b	0.00025
Piso 1	B499	190	4.65909	B.2.4-5	0.000115	0.000115	B.2.4-7b	0.00025
Piso 1	B499	190	5.15455	B.2.4-5	0.0001	0.0001	B.2.4-7b	0.00025
Piso 1	B499	190	5.65	B.2.4-5b	0.000143	0.000143	B.2.4-7b	0.00025

Table: Concrete Beam Design Summary - ACI 318-08, Part 3 of 4

Table: Concrete Beam Design Summary - ACI 318-08, Part 3 of 4

Story	Label	UniqueName	Station	TLngCombo	TLngRebar	TTrnCombo	TTrnRebar	WarnMsg
Unitless	Unitless	Unitless	m	Unitless	m²	Unitless	m²/m	Unitless
Piso 1	B485	188	0.2	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B485	188	0.69444	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B485	188	1.18889	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B485	188	1.68333	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B485	188	2.17778	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B485	188	2.67222	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B485	188	3.16667	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B485	188	3.66111	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B485	188	4.15556	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B485	188	4.65	B.2.4-7b	0	B.2.4-7b	0	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 3 of 4

Story	Label	UniqueName	Station	TLngCombo	TLngRebar	TTrnCombo	TTrnRebar	WarnMsg
Unitless	Unitless	Unitless	m	Unitless	m²	Unitless	m²/m	Unitless
Piso 1	B493	189	0.2	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B493	189	0.69545	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B493	189	1.19091	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B493	189	1.68636	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B493	189	2.18182	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B493	189	2.67727	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B493	189	3.17273	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B493	189	3.66818	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B493	189	4.16364	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B493	189	4.65909	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B493	189	5.15455	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B493	189	5.65	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B499	190	0.2	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B499	190	0.69545	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B499	190	1.19091	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B499	190	1.68636	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B499	190	2.18182	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B499	190	2.67727	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B499	190	3.17273	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B499	190	3.66818	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B499	190	4.16364	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B499	190	4.65909	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B499	190	5.15455	B.2.4-7b	0	B.2.4-7b	0	No Message
Piso 1	B499	190	5.65	B.2.4-7b	0	B.2.4-7b	0	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 4 of 4

Table: Concrete Beam Design Summary - ACI 318-08, Part 4 of 4

Story	Label	UniqueName	Station	ErrMsg
Unitless	Unitless	Unitless	m	Unitless
Piso 1	B485	188	0.2	No Message
Piso 1	B485	188	0.69444	No Message
Piso 1	B485	188	1.18889	No Message
Piso 1	B485	188	1.68333	No Message
Piso 1	B485	188	2.17778	No Message
Piso 1	B485	188	2.67222	No Message
Piso 1	B485	188	3.16667	No Message
Piso 1	B485	188	3.66111	No Message
Piso 1	B485	188	4.15556	No Message
Piso 1	B485	188	4.65	No Message
Piso 1	B493	189	0.2	No Message
Piso 1	B493	189	0.69545	No Message
Piso 1	B493	189	1.19091	No Message
Piso 1	B493	189	1.68636	No Message
Piso 1	B493	189	2.18182	No Message
Piso 1	B493	189	2.67727	No Message
Piso 1	B493	189	3.17273	No Message
Piso 1	B493	189	3.66818	No Message
Piso 1	B493	189	4.16364	No Message

Table: Concrete Beam Design Summary - ACI 318-08, Part 4 of 4

Story	Label	UniqueName	Station	ErrMsg
Unitless	Unitless	Unitless	m	Unitless
Piso 1	B493	189	4.65909	No Message
Piso 1	B493	189	5.15455	No Message
Piso 1	B493	189	5.65	No Message
Piso 1	B499	190	0.2	No Message
Piso 1	B499	190	0.69545	No Message
Piso 1	B499	190	1.19091	No Message
Piso 1	B499	190	1.68636	No Message
Piso 1	B499	190	2.18182	No Message
Piso 1	B499	190	2.67727	No Message
Piso 1	B499	190	3.17273	No Message
Piso 1	B499	190	3.66818	No Message
Piso 1	B499	190	4.16364	No Message
Piso 1	B499	190	4.65909	No Message
Piso 1	B499	190	5.15455	No Message
Piso 1	B499	190	5.65	No Message

1.14 LOSA DE FONDO DE TANQUE

Refuerzo Losa de fondo

Especificaciones

- Resistencia del concreto — $f'c$ = 280 Kg/cm²
- Fluencia del acero de refuerzo — fy = 4200 Kg/cm²

Refuerzo Transversal (M11)

	Mu [Ton-m]	b [cm]	h [cm]	d' [cm]	d [cm]	As-Req [cm²]	ρ-min	As-min/cara [cm²]
Losa +	2.20	100.00	40.00	8.50	31.50	1.86	0.0050	10.00
Losa -	2.20	100.00	40.00	8.50	31.50	1.86	0.0050	10.00

Refuerzo Longitudinal (M22)

	Mu [Ton-m]	b [cm]	h [cm]	d' [cm]	d [cm]	As-Req [cm²]	ρ-min [cm²]	As-min/cara [cm²]
Losa +	2.20	100.00	40.00	8.50	31.50	1.86	0.0050	10.00
Losa -	3.20	100.00	40.00	8.50	31.50	2.71	0.0050	10.00

Chequeo de cortante

	Vu-máx [Ton]		ΦVc [Ton]	Check
V13	7.40	>	20.95	✓
V23	7.80	>	20.95	✓

ANEXO D – MUROS NO ESTRUCTURALES

ANEXO D - DISEÑO MUROS NO ESTRUCTURALES

Muros apoyados arriba y abajo

F.1. - Valor de Sa [%g]

- Periodo fundamental de la estructura.

donde,

Ct =	0.047
α =	0.900
h_n (m) =	4.000

⟹

Ta (seg) =	0.164

- Del espectro elástico se obtiene

Sa(g) =	0.997

F.2. - Aceleración horizontal ax

$$a_x = As + \frac{(Sa - As)h_x}{h_{eq}} \quad ; h_x < h_{eq}$$

$$a_x = Sa\frac{h_x}{h_{eq}} \quad ; h_x \geq h_{eq}$$

	h_x [m]	a_x [%g]
Piso 1	0.00	0.997

A_s: Aceleración máxima en la superficie del suelo estimada como la aceleración espectral correspondiente a un periodo de vibración igual a cero.

As(g) =	0.997

h_n: Altura total del edificio.

h_{eq}: Altura equivalente del sistema de 1 GDL que simula la edificación. $h_{eq} = 0.75h_n$

h_{eq}(m) =	3.0

h_x: Altura medida desde la base del edificio hasta la base ó apoyo del elemento no estructural.

F.3. - Coeficiente de amplificación dinámica ap

- Elemento no estructural: *Muros divisorios y particiones*
- Tipo: *Muros divisorios de altura total* ⟹ $a_p = 1.0$ Tabla (A.9.5-1)

F.4. - Coeficiente de capacidad de disipación de energía Rp

- Tipo de anclaje: *Anclajes Dúctiles* ⟹ $R_p = 3.0$ (A.9.4.9)

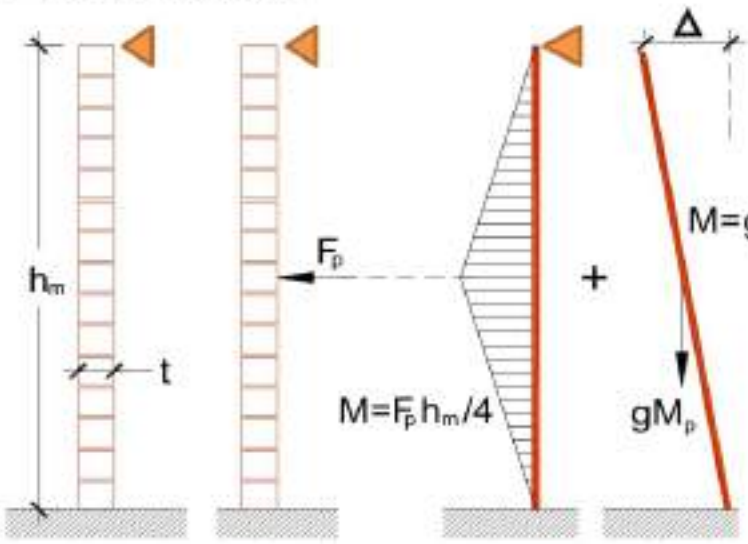
F.5. - Fuerza sísmica de diseño

$$F_p = 0.7\frac{a_x a_p}{R_p} g M_p \quad \text{(A.9.4-1)}$$

M_p: Masa del elemento no estructural.
Factor de 0.7 debido al diseño por ASD.

Fp (Kg):	147.17

F.6. - Muro no estructural



Muro en mampostería reforzada
- Bloque estructural arcilla - 12x19x29

- Caracteristicas muro

t (cm):	12
hm (cm):	285

- Se analiza el muro tomando como profundidad establecida de 1.0m

Mp (Kg):	632.70
Fp (Kg):	147.17
Mmáx (Kg-m):	113.87

F.6.1. - Especificaciones mampostería

- Mortero de Pega	f'cp =	175	kg/cm²	D.3.4.
- Mortero de Relleno	f'cr =	125	kg/cm²	D.3.5.

F.6.2. - Unidad de mampostería

- Resistencia Unidad de mampostería	f'cu =	225	kg/cm²

- La resistencia promedio de los ladrillos es de 241 kg/cm^2

F.6.3. - Valor de f'm

$$Rm = \left(\frac{2h}{75+3h}\right) f'_{cu} + \left(\frac{50k_p}{75+3h}\right) f'_{cp} \leq 0.8 f'_{cu} \qquad \text{D.3.7-1.}$$

h : Altura de la unidad de mampostería, en mm.
K_p : Factor de corrección por absorción de la unidad.

K_p : 1.4, unidades de concreto
K_p : 0.8, unidades de arcilla

h :	190

K_p :	0.80

R_m : 143.4 kg/cm^2 < 0.8f'cu = 180 Kg/m^2

$$f'_m = 0.75[rR_m + 0.9k_r(1-r)f'_{cr}] \leq 0.94R_m \qquad \text{D.3.7-3.}$$

r : Relación entre el área neta y el área bruta de las unidades de mampostería.
K_r : Factor de corrección por absorción de la unidad en la mampostería inyectada.

K_r : 0.90, Para unidades de concreto
K_r : 0.75, Para unidades de arcilla o sílico - calcáreas

r :	0.55

K_r :	0.75

f'm : 88 kg/cm^2 < 0.94Rm = 135 Kg/m^2

F.6.4. - Modulo de elásticidad de la mampostería

E_m : 750 f'm ⟹ E_m : 65725 kg/cm^2

F.7. - Diseño muro no estructural

- **Esfuerzos admisibles**

Fa-adm :	11.92	kg/cm^2
Fs-adm :	1680.0	kg/cm^2
Fb-adm :	29.21	kg/cm^2
Fv-adm :	0.74	kg/cm^2

Usar 1 barra #4 @ 90cm ⟹

As-req :	1.151	cm^2
As-sum :	1.290	cm^2 ✓

ρ :	0.00239	k :	0.453	j :	0.85	OK

f_a :	1.0	kg/cm^2	< fa - adm	
f_s :	1559.9	kg/cm^2	< fs - adm	
f_m :	16.44	kg/cm^2	< fb - adm	✓
f_v :	0.52	kg/cm^2	< Fv - adm	✓
Ec. Unitaria	0.64	< 1.33	ok	

- Refuerzo longitudinal — Usar 1 barra # 4@90cm
- Refuerzo transversal — Usar escalerilla 2Φ4.0mm @44cm

ANEXO E – DISEÑO PROTECCIÓN CONTRA EL FUEGO

ANEXO E – DISEÑO PROTECCIÓN CONTRA EL FUEGO

1 CLASIFICACIÓN DE LA ESTRUCTURA

La clasificación de la estructura se realiza de acuerdo con lo prescrito en el titulo K y la resistencia requerida al fuego de la estructura de acuerdo con el título J de la NSR-10.

1.1 CLASIFICACIÓN POR GRUPO DE OCUPACIÓN

Según el capitulo K.2.1 de la norma NSR-10, específicamente en la tabla K.2.1-1, la estructura se clasifica dentro del Grupo de ocupación Institucional (I) y Subgrupo de Ocupación Educación (I-2).

Tabla K.2.1-1
Grupos y subgrupos de ocupación

Grupos y Subgrupos de ocupación	Clasificación	Sección
A	**ALMACENAMIENTO**	K.2.2
A-1	Riesgo moderado	
A-2	Riesgo bajo	
C	**COMERCIAL**	K.2.3
C-1	Servicios	
C-2	Bienes	
E	**ESPECIALES**	K.2.4
F	**FABRIL E INDUSTRIAL**	K.2.5
F-1	Riesgo moderado	
F-2	Riesgo bajo	
I	**INSTITUCIONAL**	K.2.6
I-1	Reclusión	
I-2	Salud o incapacidad	
I-3	Educación	
I-4	Seguridad pública	
I-5	Servicio público	
L	**LUGARES DE REUNIÓN**	K.2.7
L-1	Deportivos	
L-2	Culturales y teatros	
L-3	Sociales y recreativos	
L-4	Religiosos	
L-5	De transporte	
M	**MIXTO Y OTROS**	K.2.8
P	**ALTA PELIGROSIDAD**	K.2.9
R	**RESIDENCIAL**	K.2.10
R-1	Unifamiliar y bifamiliar	
R-2	Multifamiliar	
R-3	Hoteles	
T	**TEMPORAL**	K.2.11

1.2 CLASIFICACIÓN DE LA EDIFICACIÓN EN UNA CATEGORÍA DE RIESGO

Toda edificación debe clasificarse en una de las categorías de riesgo definidas en J.3.3.1. Dependiendo del grupo de uso de la edificación bajo estudio, esta clasificación se hace en función del área construida, de acuerdo con la tabla J.3.3-1, o en función del potencial de combustión, de acuerdo con la tabla J.3.3-2.

Tabla J.3.3-1
Categorización de las edificaciones para efectos de resistencia contra el fuego de acuerdo con su uso, área construida, y número de pisos.

Grupos y subgrupos de ocupación	Área total construida, A_T m²	Número de pisos						
		1	2	3	4	5	6	≥ 7
(C-1)	$A_T > 1500$	III	III	II	II	II	I	I
	$A_T < 1500$	III	III	III	II	II	II	I
(C-2)	$A_T > 500$	II	I	I	I	I	I	I
	$A_T < 500$			II	I	I	I	I
(E)	Sin límite	III	III	III	II	II	II	I
(I-2), (I-4)	$A_T > 1000$	III	II	II	I	I	I	I
	$500 < A_T < 1000$	III	III	II	II	I	I	I
	$A_T < 500$	III	III	III	II	II	II	I
(I-3)	$A_T > 1000$	II	II	I	I	I	I	I
	$A_T < 1000$		III	II	II	I	I	I
(L-1), (L-2), (L-3), (L-4)	$A_T > 1000$	II	I	I	I	I	I	I
(L-5), (I-1), (I-5)	$500 < A_T < 1000$	II	II	I	I	I	I	I
	$A_T < 500$	III	III	II	II	I	I	I
(R-1), (R-2)	Unidades > 140 m²				II	I	I	I
	Unidades ≤ 140 m²				III	II	II	I
(R-3)	$A_T > 5000$	III	II	I	I	I	I	I
	$A_T < 5000$	III	II	II	II	I	I	I

Notas: (1). En edificios para vivienda, el límite de 140 m² por unidad corresponde al promedio aritmético de las áreas de todas las unidades, sin tener en cuenta las zonas comunes.

De acuerdo a lo anterior la edificación se clasifica dentro de la categoría II.

J.3.3.1.3 — *Categoría III* — Esta categoría comprende las edificaciones con baja capacidad de combustión. Incluye:

(a) Grupos de Ocupación (R-1), edificaciones para viviendas con 10 pisos o menos.
(b) Grupos de Ocupación (A-2), (F-2) y en general bodegas y edificios industriales no comprendidos en el numeral J.3.3.1.1, literal (b).

1.3 RESISTENCIA REQUERIDA CONTRA EL FUEGO

Según la Tabla J.3.4-3 del NSR-10, de acuerdo a la Categoría de Riesgo de la estructura, los elementos de una edificación deben resistir al fuego un tiempo mínimo determinado.

Tabla J.3.4-3
Resistencia requerida al fuego normalizado NTC 1480 (ISO 834), en horas, de elementos de una edificación de todos los grupos de ocupación excepto R-1 y R-2. (Véase Nota 1)

Elementos de la construcción	Categoría según la clasificación dada en J.3.3.1		
	I	II	III
Muros Cortafuego	3	2	1
Muros de cerramiento de escaleras, ascensores, buitrones, ductos para basuras y corredores de evacuación protegidos	2	2	1
Muros divisorios entre unidades	1	1	1
Muros interiores no portantes	½	¼	-
Elementos estructurales de los materiales cubiertos por los Títulos C a G del Reglamento NSR-10	2	1	1
Cubiertas	1	1	½
Escaleras interiores no encerradas con muros	2	1	1

Nota 1. En la sección J.3.3.3 se indican los grupos de ocupación que están exentos de cuantificación de resistencia contra el fuego y para los cuales no hay necesidad de aplicar la presente tabla.

Tabla K.2.6-2
Subgrupo de ocupación institucional de salud o incapacidad (I-2)

Hospitales	Ancianatos
Sanatorios	Guarderías
Clínicas	Dispensarios
Centros de salud	Laboratorios clínicos
Centros para discapacitados	Hospicios
Puestos de primeros auxilios	Otros similares
Orfanatos	

De acuerdo con el subgrupo I-2 y la categoría de riesgo III, los elementos deben protegerse a la exposición al fuego así:

2 SISTEMAS DE PROTECCIÓN

2.1 ELEMENTOS ESTRUCTURALES

- **COLUMNAS**

J.3.5.2.1 — ***Columnas de concreto estructural*** — Las columnas de concreto estructural deben cumplir los siguientes requisitos para efectos de su resistencia al fuego:

(a) La dimensión mínima para columnas en estructuras con capacidad especial de disipación de energía *DES* dada en C.21.6.1.1 de 300 mm, es adecuada para resistencia al fuego requerida de tres (3) horas.
(b) La dimensión mínima para columnas en estructuras con capacidad moderada de disipación de energía *DMO* dada en C.21.3.5.1 de 250 mm, es adecuada para resistencia al fuego requerida hasta de dos (2) horas. Este tamaño de columna no se permite en zonas de amenaza sísmica alta.
(c) Una dimensión mínima de 200 mm es adecuada para resistencia al fuego requerida hasta de una (1) hora. El Título C no establece una dimensión mínima para columnas con capacidad mínima de disipación de energía *DMI*. Este tamaño de columna no se permite en zonas de amenaza sísmica alta e intermedia.
(d) Los requisitos de recubrimiento para concreto construido en sitio dados en C.7.7.1 de 40 mm para estribos, espirales y armadura principal, son adecuados para resistencia al fuego requerida hasta de tres (3) horas.

De acuerdo a lo anterior todas las columnas del proyecto cumplen las dimensiones de C.21.6.1.1 y recubrimientos C.7.7.1, lo cual les garantiza una resistencia de 3 horas.

- **VIGAS**

J.3.5.2.4 — ***Vigas de concreto estructural*** — Las vigas de concreto estructural deben cumplir los siguientes requisitos para efectos de su resistencia al fuego:

(a) El ancho mínimo del alma de vigas en estructuras con capacidad especial de disipación de energía *DES* dada en C.21.5.1.3 de 250 mm, es adecuado para resistencia al fuego requerida de tres (3) horas.
(b) El ancho mínimo del alma de vigas en estructuras con capacidad moderada de disipación de energía *DMO* dada en C.21.3.4.1 de 200 mm, es adecuada para resistencia al fuego requerida de dos (2) horas. Este ancho del alma de vigas no se permite en zonas de amenaza sísmica alta.
(c) El ancho mínimo del alma de vigas no debe ser menor de 120 mm para resistencia al fuego requerida de una (1) hora. Este ancho del alma de vigas no se permite en zonas de amenaza sísmica alta e intermedia.
(e) Los requisitos de recubrimiento para concreto construido en sitio dados en C.7.7.1 de 40 mm para estribos y armadura principal, son adecuados para resistencia al fuego requerida hasta de dos (2) horas.
(f) Para tres (3) horas de resistencia al fuego requerida se debe emplear un recubrimiento de 60 mm.

De acuerdo a lo anterior todas las vigas del proyecto cumplen las dimensiones de C.21.5.1.3 y recubrimientos C.7.7.1, lo cual les garantiza una resistencia de 3 horas.

- **MUROS ESTRUCTURALES**

J.3.5.2.2 — ***Muros estructurales*** — Los muros estructurales de concreto deben cumplir los siguientes requisitos para efectos de su resistencia al fuego:

(a) El ancho mínimo en muros estructurales no debe ser menor de 150 mm para resistencia al fuego requerida de tres (3) horas.
(b) El ancho mínimo en muros estructurales no debe ser menor de 100 mm para resistencia al fuego requerida de dos (2) horas.
(c) El ancho mínimo en muros estructurales no debe ser menor de 80 mm para resistencia al fuego requerida de una (1) hora.
(d) Los requisitos de recubrimiento para concreto construido en sitio dados en C.7.7.1 de 20 mm para refuerzo con barras No. 11 (1-3/8" ó 36M (36 mm), solo es adecuado para resistencia al fuego requerida hasta de una (1) hora.
(e) Para resistencia al fuego requerida de dos (2) horas o más, el recubrimiento para concreto construido en sitio debe ser al menos 25 mm.

De acuerdo a lo anterior todos los muros del proyecto cumplen las dimensiones de dimensión menor mayor a 150mm y recubrimientos mayores a 25mm, lo cual les garantiza una resistencia de 2 horas.

2.2 ELEMENTOS NO ESTRUCTURALES

- Muros de cerramiento de escaleras.
- Muros interiores no portantes.

ELEMENTOS DE MAMPOSTERÍA – Para proveer muros de mampostería con las resistencias al fuego normalizado especificadas en el numeral J.3.4.3, debe estimarse la resistencia al fuego de la mampostería, especificadas en la tabla J.3.5.7 o J.3.5.8 en función de su espesor mínimo equivalente.

Tabla J.3.5-1
Espesor mínimo equivalente, e_t, de muros de mampostería de arcilla, en mm, en función de la resistencia al fuego en horas. Véase la Nota-1

Tipo de unidad	Resistencia al fuego en horas		
	1 Nota-2	2	3
Maciza	60	90	110
De perforación vertical	50	80	100
De perforación horizontal	45	65	90

Nota-1: Las unidades de mampostería de arcilla deben cumplir los requisitos dados en D.3.6 respecto a propiedades y normas técnicas.

Nota-2: La resistencia al fuego de 1 hora se considera que se cumple implícitamente en las siguientes unidades de arcilla:

(a) Para unidades macizas hasta con 25% de vacíos, 1 hora de resistencia al fuego se cumple con unidades de ancho nominal de 100 mm.

(b) Para unidades de perforación vertical hasta con 65% de vacíos (máximo porcentaje de vacíos permitido por D.3.6.4.1) y con sus celdas para alojar refuerzo vertical con o sin mortero de relleno, 1 hora de resistencia al fuego se cumple con unidades con ancho nominal de 120 mm.

(c) Para unidades de perforación horizontal que cumplan con los espesores mínimos de pared establecidos en la norma NTC 4205, 1 hora de resistencia al fuego se cumple con unidades con ancho nominal de 100 mm.

J.3.5.3.1 – El espesor mínimo equivalente se calcula con base en la ecuación J.3.5-1

$$e_E = \frac{V}{LA} \qquad \text{(J.3.5-1)}$$

Donde:

e_E = espesor equivalente.
V = volumen de sólidos de una unidad de mampostería.
L = longitud de la unidad de mampostería.
A = altura de la unidad de mampostería

ANEXO F – DISEÑO DE ELEMENTOS METÁLICOS Y CONEXIONES

Table: Steel Frame Design Summary - AISC 360-10, Part 1 of 2

Table: Steel Frame Design Summary - AISC 360-10, Part 1 of 2

Story	Label	UniqueName	Design Type	Design Section	Status	PMM Combo	PMM Ratio	P Ratio
Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless
CB	C2	66	Column	Tub 100x200x4mm	No Message	B.2.4-5(C)	0.175	0.004
CB	C2	66	Column	Tub 100x200x4mm	No Message	B.2.4-5(T)	0.018	0.001
CB	C4	70	Column	Tub 100x200x4mm	No Message	B.2.4-3b(C)	0.23	0.026
CB	C4	70	Column	Tub 100x200x4mm	No Message	B.2.4-3b(T)	0.037	0.003
CB	C6	76	Column	Tub 100x200x4mm	No Message	B.2.4-3b(C)	0.214	0.024
CB	C6	76	Column	Tub 100x200x4mm	No Message	B.2.4-3b(T)	0.035	0.003
CB	C8	82	Column	Tub 100x200x4mm	No Message	B.2.4-3b(C)	0.185	0.021
CB	C8	82	Column	Tub 100x200x4mm	No Message	B.2.4-3b(T)	0.029	0.002
CB	C10	88	Column	Tub 100x200x4mm	No Message	B.2.4-5(C)	0.158	0.004
CB	C10	88	Column	Tub 100x200x4mm	No Message	B.2.4-5(T)	0.014	0.001
CB	C776	67	Column	Tub 100x200x4mm	No Message	B.2.4-3b(C)	0.387	0.057
CB	C776	67	Column	Tub 100x200x4mm	No Message	B.2.4-3b(T)	0.027	0.005
CB	C777	73	Column	Tub 100x200x4mm	No Message	B.2.4-5b(C)	0.352	0.021
CB	C777	73	Column	Tub 100x200x4mm	No Message	B.2.4-5b(T)	0.033	0.006
CB	C778	79	Column	Tub 100x200x4mm	No Message	B.2.4-5(C)	0.342	0.02
CB	C778	79	Column	Tub 100x200x4mm	No Message	B.2.4-5(T)	0.024	0.006
CB	C779	85	Column	Tub 100x200x4mm	No Message	B.2.4-5b(C)	0.323	0.017
CB	C779	85	Column	Tub 100x200x4mm	No Message	B.2.4-5b(T)	0.021	0.005
CB	C780	91	Column	Tub 100x200x4mm	No Message	B.2.4-5(C)	0.199	0.01

Table: Steel Frame Design Summary - AISC 360-10, Part 1 of 2

Story	Label	UniqueName	Design Type	Design Section	Status	PMM Combo	PMM Ratio	P Ratio
Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless
CB	C780	91	Column	Tub 100x200x4mm	No Message	B.2.4-5(T)	0.012	0.002
CB	B365	167	Beam	Tub 100x200x4mm	No Message	B.2.4-3b(C)	0.333	0.004
CB	B365	167	Beam	Tub 100x200x4mm	No Message	B.2.4-3b(T)	0.063	0
CB	B366	168	Beam	Tub 100x200x4mm	No Message	B.2.4-3b(C)	0.667	0.003
CB	B366	168	Beam	Tub 100x200x4mm	No Message	B.2.4-3b(T)	0.515	0.001
CB	B367	71	Beam	Tub 100x200x4mm	No Message	B.2.4-3b(C)	0.414	0.017
CB	B367	71	Beam	Tub 100x200x4mm	No Message	B.2.4-3b(T)	0.04	0.001
CB	B368	72	Beam	Tub 100x200x4mm	No Message	B.2.4-3b(C)	0.641	0.003
CB	B368	72	Beam	Tub 100x200x4mm	No Message	B.2.4-3b(T)	0.067	0.001
CB	B369	77	Beam	Tub 100x200x4mm	No Message	B.2.4-3b(C)	0.404	0.016
CB	B369	77	Beam	Tub 100x200x4mm	No Message	B.2.4-3b(T)	0.04	0.002
CB	B370	78	Beam	Tub 100x200x4mm	No Message	B.2.4-3b(C)	0.642	0.003
CB	B370	78	Beam	Tub 100x200x4mm	No Message	B.2.4-3b(T)	0.067	0.001
CB	B371	83	Beam	Tub 100x200x4mm	No Message	B.2.4-3b(C)	0.349	0.014
CB	B371	83	Beam	Tub 100x200x4mm	No Message	B.2.4-3b(T)	0.035	0.001
CB	B372	84	Beam	Tub 100x200x4mm	No Message	B.2.4-3b(C)	0.547	0.002
CB	B372	84	Beam	Tub 100x200x4mm	No Message	B.2.4-3b(T)	0.059	0.001
CB	B373	89	Beam	Tub 100x200x4mm	No Message	B.2.4-5(C)	0.189	0.007
CB	B373	89	Beam	Tub 100x200x4mm	No Message	B.2.4-5(T)	0.016	0.0002722
CB	B375	90	Beam	Tub 100x200x4mm	No Message	B.2.4-3b(C)	0.298	0.001

Table: Steel Frame Design Summary - AISC 360-10, Part 1 of 2

Story	Label	UniqueName	Design Type	Design Section	Status	PMM Combo	PMM Ratio	P Ratio
Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless
CB	B375	90	Beam	Tub 100x200x4mm	No Message	B.2.4-3b(T)	0.027	0

Table: Steel Frame Design Summary - AISC 360-10, Part 2 of 2

Table: Steel Frame Design Summary - AISC 360-10, Part 2 of 2

UniqueName	M Major Ratio	M Minor Ratio	V Major Combo	V Major Ratio	V Minor Combo	V Minor Ratio	Message
Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless
66	0.029	0.141	B.2.4-5b	0.005	B.2.4-5	0.036	
66	0.013	0.003					
70	0.203	0.001	B.2.4-3b	0.044	B.2.4-5	0.034	
70	0.034	0.0002704					
76	0.189	0.001	B.2.4-3b	0.041	B.2.4-5	0.035	
76	0.031	0.001					
82	0.164	0	B.2.4-3b	0.035	B.2.4-5b	0.034	
82	0.026	0					
88	0.016	0.137	B.2.4-3b	0.019	B.2.4-5	0.034	
88	0.011	0.002					
67	0.065	0.264	B.2.4-5	0.051	B.2.4-5b	0.065	
67	0.022	0.0004539					
73	0.099	0.233	B.2.4-5b	0.035	B.2.4-5	0.137	
73	0.003	0.025					
79	0.08	0.242	B.2.4-5	0.028	B.2.4-5	0.146	
79	0.003	0.015					
85	0.084	0.221	B.2.4-7b	0.03	B.2.4-5b	0.139	
85	0.003	0.013					
91	0.067	0.123	B.2.4-5	0.024	B.2.4-5	0.078	
91	0.006	0.003					
167	0.325	0.003	B.2.4-3b	0.083	B.2.4-5	0.05	
167	0.063	0.0003323					
168	0.645	0.019	B.2.4-3b	0.108	B.2.4-5	0.058	
168	0.491	0.024					
71	0.396	0.001	B.2.4-3b	0.1	B.2.4-5	0.024	
71	0.038	0.0001818					
72	0.636	0.002	B.2.4-3b	0.112	B.2.4-5b	0.031	
72	0.064	0.001					
77	0.386	0.002	B.2.4-3b	0.099	B.2.4-5	0.028	
77	0.038	0.0003169					
78	0.632	0.007	B.2.4-3b	0.109	B.2.4-5	0.03	
78	0.066	0.001					
83	0.332	0.003	B.2.4-3b	0.085	B.2.4-5	0.029	
83	0.033	0.001					
84	0.539	0.005	B.2.4-3b	0.095	B.2.4-5	0.03	
84	0.057	0.001					
89	0.086	0.095	B.2.4-3b	0.044	B.2.4-5	0.029	
89	0.015	0.001					
90	0.29	0.007	B.2.4-3b	0.049	B.2.4-5	0.03	
90	0.025	0.002					

Datos del proyecto

Nombre del proyecto	CES
Número del Proyecto	
Autor	
Descripción	
Fecha	22/10/2021
Código	AISC/ACI

Material

Acero	A572 Gr.50, A500, Gr. C, shaped, A36
Hormigón	4000 psi, 3000 psi

Ítem del proyecto ANCLAJES

Diseño

Nombre	ANCLAJES
Descripción	
Análisis	Tensión, deformación/ Cargas en equilibrio
Normativa de cálculo	AISC - LRFD (2016)

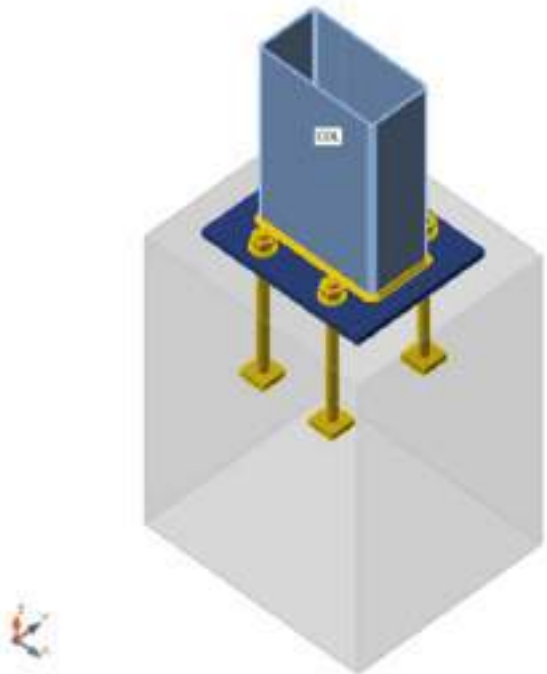
Elementos

Geometría

Nombre	Sección transversal	β – Dirección [°]	γ - Inclinación [°]	α - Rotación [°]	Desplazamiento ex [mm]	Desplazamiento ey [mm]	Desplazamiento ez [mm]
COL	36 - TUB 100x200x4mm(RHS200x100)	0.0	90.0	0.0	0	0	0

Apoyos y fuerzas

Nombre	Apoyo	Fuerzas en	X [mm]
COL / final		Nodo	0



Secciones

Nombre	Material
36 - TUB 100x200x4mm(RHS200x100)	A572 Gr.50

Anclajes

Nombre	Conjunto de tornillo	Diámetro [mm]	f_u [MPa]	Área bruta [mm²]
5/8 ASTM 193 Gr. B7	5/8 ASTM 193 Gr. B7	16	861.8	198

Cargas (Fuerzas en equilibrio)

Nombre	Elemento	N [kN]	Vy [kN]	Vz [kN]	Mx [kNm]	My [kNm]	Mz [kNm]
LE1	COL / Finalizar	-29.0	19.0	0.0	0.0	8.3	1.7

Fuerzas Desbalanceadas

Nombre	X [kN]	Y [kN]	Z [kN]	Mx [kNm]	My [kNm]	Mz [kNm]
LE1	0.0	19.0	-29.0	-1.7	8.3	0.0

Bloque de la cimentación

Ítem	Valor	Unidad
CB 1		
Dimensiones	320 x 370	mm
Profundidad	500	mm
Anclaje	5/8 ASTM 193 Gr. B7	
Longitud del anclaje	200	mm
Transferencia de la fuerza cortante	Anclajes	

Verificación

Resumen

Nombre	Valor	Estado de la verificación
Análisis	100.0%	OK
Placas	0.0 < 5.0%	OK
Anclajes	27.5 < 100%	OK
Soldaduras	75.6 < 100%	OK
Bloque de hormigón	16.8 < 100%	OK
Pandeo	No calculado	

Placas

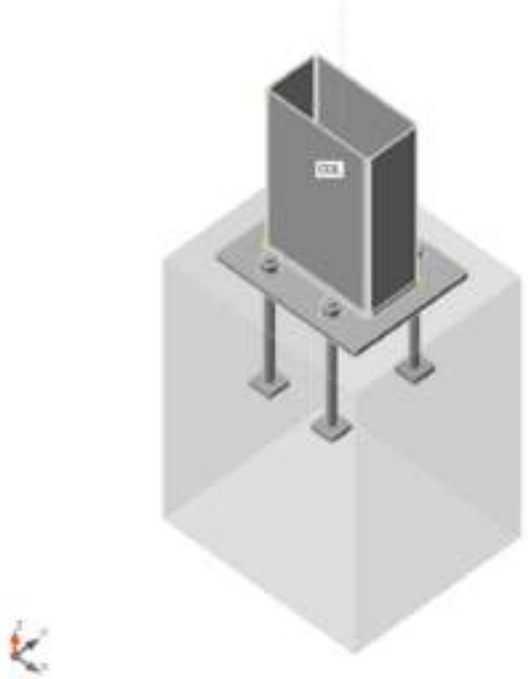
Nombre	t_p [mm]	Cargas	σ_{Ed} [MPa]	ε_{Pl} [%]	$\sigma_{c,Ed}$ [MPa]	Estado
COL-w 1	4.0	LE1	146.7	0.0	0.0	OK
COL-arc 1	4.0	LE1	277.4	0.0	0.0	OK
COL-arc 2	4.0	LE1	253.3	0.0	0.0	OK
COL-arc 3	4.0	LE1	243.8	0.0	0.0	OK
COL-w 2	4.0	LE1	127.3	0.0	0.0	OK
COL-arc 4	4.0	LE1	115.4	0.0	0.0	OK
COL-arc 5	4.0	LE1	118.6	0.0	0.0	OK
COL-arc 6	4.0	LE1	125.6	0.0	0.0	OK
COL-w 3	4.0	LE1	127.9	0.0	0.0	OK
COL-arc 7	4.0	LE1	254.0	0.0	0.0	OK
COL-arc 8	4.0	LE1	250.2	0.0	0.0	OK
COL-arc 9	4.0	LE1	235.1	0.0	0.0	OK
COL-w 4	4.0	LE1	166.1	0.0	0.0	OK
COL-arc 10	4.0	LE1	168.8	0.0	0.0	OK
COL-arc 11	4.0	LE1	172.5	0.0	0.0	OK
COL-arc 12	4.0	LE1	162.9	0.0	0.0	OK
BP1	12.0	LE1	154.5	0.0	0.0	OK

Datos de diseño

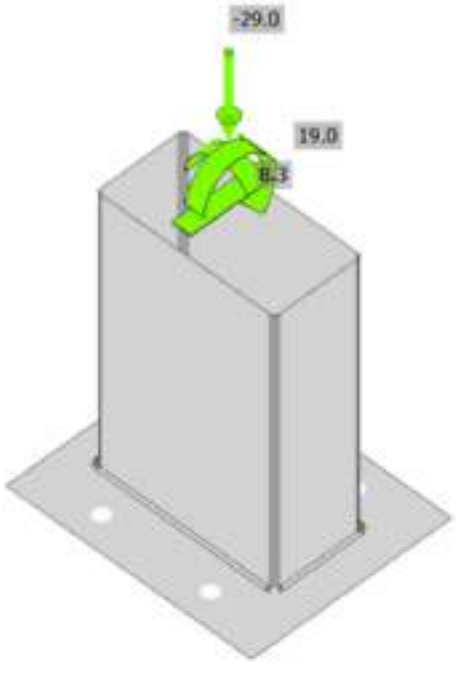
Material	F_y [MPa]	ε_{lim} [%]
A572 Gr.50	344.7	5.0

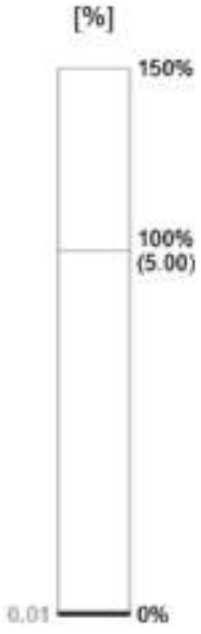
Explicación del simbolo

t_p	Espesor de placa
σ_{Ed}	Tensión equivalente
ε_{Pl}	Deformación plástica
$\sigma_{c,Ed}$	Tensiones de Contacto
F_y	Límite elástico
ε_{lim}	Límite de la deformación plástica

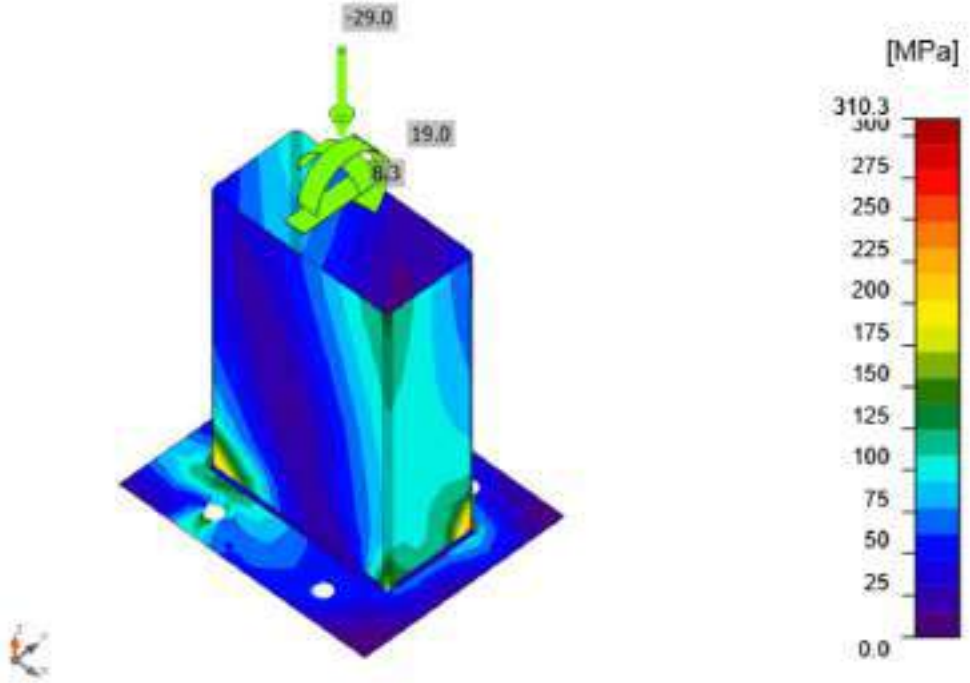


Verificación general, LE1



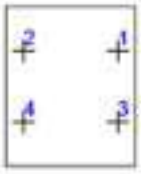


Verificación de deformación, LE1



Tensión equivalente, LE1

Anclajes

Forma	Ítem	Cargas	N_f [kN]	V [kN]	ϕN_p [kN]	ϕN_{sb} [kN]	Ut_t [%]	Ut_s [%]	Ut_{ts} [%]	Estado
	A1	LE1	15.1	4.6	162.4	81.2	17.2	9.4	7.3	OK
	A2	LE1	24.1	4.9	162.4	81.2	27.5	10.0	13.8	OK
	A3	LE1	0.0	4.8	162.4	-	0.0	9.8	2.1	OK
	A4	LE1	0.0	4.7	162.4	-	0.0	9.6	2.0	OK

Datos de diseño

Calidad	ϕN_{sa} [kN]	ϕV_{sa} [kN]
5/8 ASTM 193 Gr. B7 - 1	87.8	48.9

Explicación del símbolo

N_f	Fuerza de tracción
V	Resultante de fuerzas cortantes en pernos Vy y Vz en planos de cortantes
ϕN_p	Resistencia al deslizamiento – ACI 318-14 – 17.4.3
ϕN_{sb}	Resistencia al arrancamiento lateral del cono de hormigón a tracción de acuerdo con – ACI 318-14 – 17.4.4
Ut_t	Utilización a tracción
Ut_s	Utilización a cortante
Ut_{ts}	Utilización a tensión y cortante
ϕN_{sa}	Resistencia del anclaje en tracción - ACI 318-14 – 17.4.1
ϕV_{sa}	Resistencia del anclaje a cortante - ACI 318-14 – 17.5.1

Soldaduras

Ítem	Borde	Xu	t_w [mm]	w [mm]	L [mm]	L_c [mm]	Cargas	F_n [kN]	ϕR_n [kN]	Ut [%]	Estado
BP1	COL-w 1	E70xx	◢ 4.2 ◣	◢ 6.0 ◣	86	17	LE1	3.1	23.5	13.3	OK
		E70xx	◢ 4.2 ◣	◢ 6.0 ◣	86	17	LE1	4.7	22.7	20.8	OK
BP1	COL-arc 1	E70xx	◢ 4.2 ◣	◢ 6.0 ◣	3	3	LE1	2.6	3.4	75.2	OK
		E70xx	◢ 4.2 ◣	◢ 6.0 ◣	3	3	LE1	2.6	3.4	75.4	OK
BP1	COL-arc 2	E70xx	◢ 4.2 ◣	◢ 6.0 ◣	3	3	LE1	2.7	3.6	74.4	OK
		E70xx	◢ 4.2 ◣	◢ 6.0 ◣	3	3	LE1	2.7	3.6	75.3	OK
BP1	COL-arc 3	E70xx	◢ 4.2 ◣	◢ 6.0 ◣	3	3	LE1	2.7	3.6	75.1	OK
		E70xx	◢ 4.2 ◣	◢ 6.0 ◣	3	3	LE1	2.7	3.6	75.2	OK
BP1	COL-w 2	E70xx	◢ 4.2 ◣	◢ 6.0 ◣	185	17	LE1	4.1	20.0	20.4	OK
		E70xx	◢ 4.2 ◣	◢ 6.0 ◣	185	17	LE1	4.3	19.4	22.1	OK
BP1	COL-arc 4	E70xx	◢ 4.2 ◣	◢ 6.0 ◣	3	3	LE1	1.1	3.6	31.1	OK
		E70xx	◢ 4.2 ◣	◢ 6.0 ◣	3	3	LE1	1.3	3.5	36.4	OK
BP1	COL-arc 5	E70xx	◢ 4.2 ◣	◢ 6.0 ◣	3	3	LE1	0.7	3.6	18.3	OK
		E70xx	◢ 4.2 ◣	◢ 6.0 ◣	3	3	LE1	1.1	3.5	30.2	OK
BP1	COL-arc 6	E70xx	◢ 4.2 ◣	◢ 6.0 ◣	3	3	LE1	1.1	2.9	38.3	OK
		E70xx	◢ 4.2 ◣	◢ 6.0 ◣	3	3	LE1	1.5	3.0	49.5	OK
BP1	COL-w 3	E70xx	◢ 4.2 ◣	◢ 6.0 ◣	86	17	LE1	3.3	23.4	14.2	OK
		E70xx	◢ 4.2 ◣	◢ 6.0 ◣	86	17	LE1	3.5	23.6	14.7	OK
BP1	COL-arc 7	E70xx	◢ 4.2 ◣	◢ 6.0 ◣	3	3	LE1	2.0	2.7	75.3	OK
		E70xx	◢ 4.2 ◣	◢ 6.0 ◣	3	3	LE1	2.1	2.8	75.6	OK
BP1	COL-arc 8	E70xx	◢ 4.2 ◣	◢ 6.0 ◣	3	3	LE1	1.4	3.4	40.5	OK
		E70xx	◢ 4.2 ◣	◢ 6.0 ◣	3	3	LE1	2.5	3.4	75.0	OK
BP1	COL-arc 9	E70xx	◢ 4.2 ◣	◢ 6.0 ◣	3	3	LE1	2.1	3.6	59.2	OK
		E70xx	◢ 4.2 ◣	◢ 6.0 ◣	3	3	LE1	2.6	3.5	73.8	OK
BP1	COL-w 4	E70xx	◢ 4.2 ◣	◢ 6.0 ◣	185	17	LE1	3.8	22.5	16.9	OK
		E70xx	◢ 4.2 ◣	◢ 6.0 ◣	185	17	LE1	5.5	23.2	23.8	OK
BP1	COL-arc 10	E70xx	◢ 4.2 ◣	◢ 6.0 ◣	3	3	LE1	1.8	3.5	50.6	OK
		E70xx	◢ 4.2 ◣	◢ 6.0 ◣	3	3	LE1	1.9	3.5	53.3	OK
BP1	COL-arc 11	E70xx	◢ 4.2 ◣	◢ 6.0 ◣	3	3	LE1	1.3	3.6	36.6	OK
		E70xx	◢ 4.2 ◣	◢ 6.0 ◣	3	3	LE1	1.7	3.5	47.4	OK
BP1	COL-arc 12	E70xx	◢ 4.2 ◣	◢ 6.0 ◣	3	3	LE1	2.0	3.5	55.9	OK
		E70xx	◢ 4.2 ◣	◢ 6.0 ◣	3	3	LE1	1.9	3.6	54.3	OK

Explicación del símbolo

t_w	Espesor de garganta de soldadura
w	Tamaño de la soldadura
L	Longitud de la soldadura
L_c	Longitud del elemento crítico de la soldadura
F_n	Fuerza en el elemento crítico de la soldadura
ϕR_n	Resistencia de la soldadura - AISC 360-16 – J2-4
Ut	Utilización
◢	Cordón de soldadura

Bloque de hormigón

Ítem	Cargas	A_1 [mm2]	A_2 [mm2]	σ [MPa]	$\phi f_{p,max}$ [MPa]	Ut [%]	Estado
CB 1	LE1	20188	65717	3.5	20.6	16.8	OK

Explicación del símbolo

A_1	Área cargada
A_2	Área de soporte
σ	Tensión media en el hormigón
$\phi f_{p,max}$	Resistencia del apoyo de hormigón
Ut	Utilización

Pandeo

El análisis de pandeo no se ha calculado.

Configuración de la norma

Ítem	Valor	Unidad	Referencia
Coeficiente de fricción - hormigón	0.40	-	ACI 349-01 – B.6.1.4
Coeficiente de fricción en la resistencia a deslizamiento	0.30	-	AISC 360-16 – J3.8
Deformación plástica límite	0.05	-	
Detallado	No		
Distancia entre tornillos [d]	2.66	-	AISC 360-16 – J3.3
Distancia entre tornillos y el borde [d]	1.25	-	AISC 360-16 – J.3.4
Resistencia al arrancamiento del cono de hormigón	Ninguno		
Resistencia del metal base en la cara de fusión de la soldadura	No		AISC 360-16 – J2-2
La deformación en el orificio del perno con la carga de servicio es una consideración de diseño	Sí		AISC 360-16 – J3.10
Hormigón fisurado	Sí		ACI 318-14 – 17
Comprobación de la deformación local	No		
Deformación límite local	0.03	-	CIDECT DG 1, 3 - 1.1
No linealidad geométrica (GMNA)	Sí		Grandes deformaciones para secciones huecas

Carga Muerta

- **Peso propio teja**

Tipo: Teja termoacústica
Peso: 5.00 Kg /m^2


Teja en panel inyectado de poliuretano

- **Peso propio correas**

Tipo: PHR C 160x60x2.5mm
Peso: 5.97 Kg /m

Separación: 1.50m
Peso: 3.98 Kg /m^2

- **Carga muerta distribuida sobre la cubierta**

Peso teja termoacústica		5.0 Kg /m^2
Correas		4.0 Kg /m^2
Cielo en panel yeso mas entramado		15.0 Kg /m^2
Instalaciones (Luminarias-Ductería de red contra incendio)		10.0 Kg /m^2
	W_{DL} =	**34.0 Kg/m^2**

Carga Viva

NSR'10 - TITULO B
De acuerdo con B.4.2 la carga viva que se debe usar para el diseño de la estructura es función del uso de la misma.

CARGA VIVA : Cubiertas (θ ≤15º): **W_{LL} =** 50 **Kg/m^2**

RESUMEN

W_{DL} =	34	1.2	41	Kg /m^2
W_{LL} =	50	1.6	80	Kg /m^2
W_{CS} =	84	**W_U =**	121	Kg /m^2

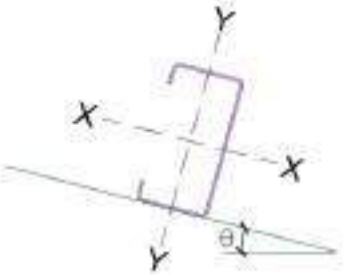
F.C. = 1.44

DISEÑO DE CORREAS

CORREA TIPO 1

Combinaciones de carga *B.2.4.2*

1. - 1.4D *B.2.4-1*
2. - 1.2D + 1.6Lr *B.2.4-2*
3. - 1.2D + 1.6Lr + 0.5W *B.2.4-3*
4. - 1.2D + 0.5Lr + 1.0W *B.2.4-4*
5. - 0.9D + 1.0W *B.2.4-6*



Cargas actuantes en las correas ")

Ángulo de la cubierta θ : #¡REF!
Separación entre correas S : #¡REF!
Longitud de correas L : 5.00m
Arriostramientos : @ L/3

W_{Dx} :	5.07 Kg/m	W_{Dy} :	50.72 Kg/m
W_{Lrx} :	7.46 Kg/m	W_{Lry} :	74.63 Kg/m
W_{wy} (-):	-130.69 Kg/m	W_{wy} (+):	90.00 Kg/m

Propiedades perlines escogidos ")		**ΦMux** Kg-m	**ΦMuy** Kg-m	**Grado**	**Peso** Kg/m
• Acesco	PHR C 160x60x2.5mm	924	254	50	5.97

Cargas actuantes en las correas

Combo	Wux Kg/m	Wuy Kg/m	Mux Kg-m	Muy Kg-m	ISE	ISE	ISE
1	7.10	71.00	221.9	2.47		0.250	
2	18.02	180.27	563.3	6.26		0.634	
3	18.02	225.27	704.0	6.26		0.786	
4	9.82	188.17	588.0	3.41		0.650	
5	4.56	-85.04	-265.8	1.58		0.294	

ISE MAX = 0.79

Carga de servicio

$$\Delta = \frac{5WL^4}{384EI} \leq L/240$$

L : 5000 mm
Apoyo : 100 mm
S : 1.50 m
Viga : PHR C 160x60x2.5mm
Peso : 5.97 kg/m

ws : 84 Kg/m²
W : 125.97 Kg/m
Ix : 2881149 mm⁴
Es : 2038000 Kg/cm²

δ : 0.016 m
δ : 1.61 cm < L/240 = 2.04 ok

Datos del proyecto

Nombre del proyecto	CES
Número del Proyecto	
Autor	
Descripción	
Fecha	22/10/2021
Código	AISC/ACI

Material

Acero	A572 Gr.50, A500, Gr. C, shaped, A36
Hormigón	4000 psi, 3000 psi

Ítem del proyecto PORTACORREA

Diseño

Nombre	PORTACORREA
Descripción	
Análisis	Tensión, deformación/ Carga simplificada
Normativa de cálculo	AISC - LRFD (2016)

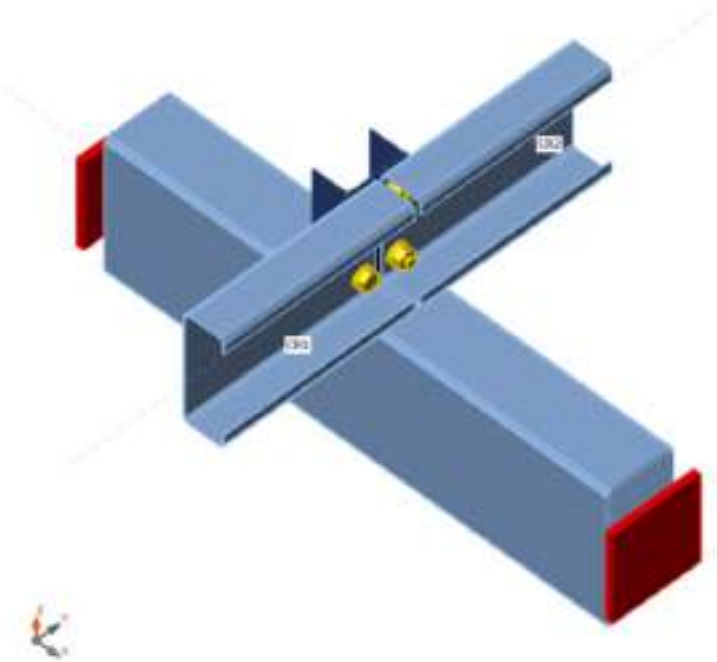
Elementos

Geometría

Nombre	Sección transversal	β – Dirección [°]	γ - Inclinación [°]	α - Rotación [°]	Desplazamiento ex [mm]	Desplazamiento ey [mm]	Desplazamiento ez [mm]
VIGA	36 - TUB 100x200x4mm(RHS200x100)	0.0	0.0	0.0	0	0	0
CR1	37 - PHR C160x60x2.5mm(CFC160x60)	-90.0	0.0	0.0	5	2	180
CR2	37 - PHR C160x60x2.5mm(CFC160x60)	90.0	0.0	0.0	5	-2	180

Apoyos y fuerzas

Nombre	Apoyo	Fuerzas en	X [mm]
VIGA / inicial	N-Vy-Vz-Mx-My-Mz	Nodo	0
VIGA / final	N-Vy-Vz-Mx-My-Mz	Nodo	0
CR1 / final		Tornillos	20
CR2 / final		Tornillos	20



Secciones

Nombre	Material
36 - TUB 100x200x4mm(RHS200x100)	A572 Gr.50
37 - PHR C160x60x2.5mm(CFC160x60)	A572 Gr.50

Tornillos

Nombre	Conjunto de tornillo	Diámetro [mm]	f_u [MPa]	Área bruta [mm^2]
1/2 Gr 2	1/2 Gr 2	13	414.0	79

Cargas (No se requiere el equilibrio)

Nombre	Elemento	N [kN]	Vy [kN]	Vz [kN]	Mx [kNm]	My [kNm]	Mz [kNm]
LE1	CR1 / Finalizar	0.0	0.0	-4.8	0.0	0.0	0.0
	CR2 / Finalizar	0.0	0.0	-4.8	0.0	0.0	0.0

Verificación

Resumen

Nombre	Valor	Estado de la verificación
Análisis	100.0%	OK
Placas	0.0 < 5.0%	OK
Tornillos	44.6 < 100%	OK
Soldaduras	37.8 < 100%	OK
Pandeo	No calculado	

Placas

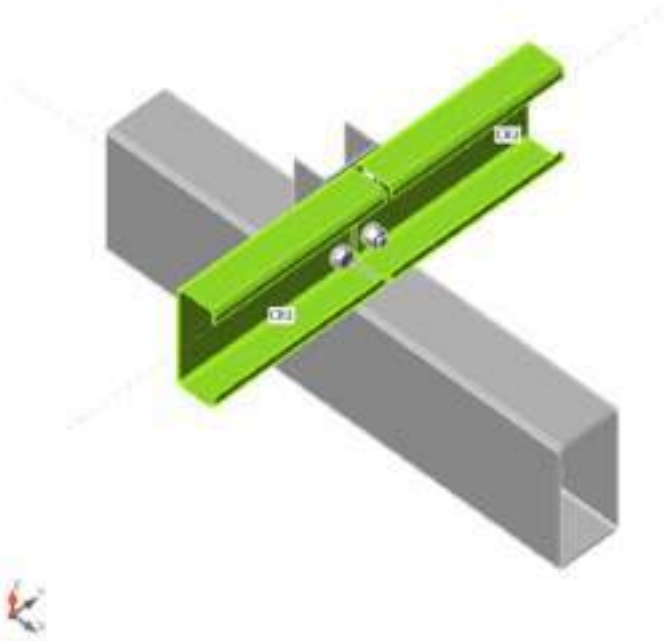
Nombre	t_p [mm]	Cargas	σ_{Ed} [MPa]	ε_{pl} [%]	$\sigma_{c,Ed}$ [MPa]	Estado
VIGA-w 1	4.0	LE1	22.7	0.0	0.0	OK
VIGA-arc 1	4.0	LE1	23.6	0.0	0.0	OK
VIGA-arc 2	4.0	LE1	23.3	0.0	0.0	OK
VIGA-arc 3	4.0	LE1	22.6	0.0	0.0	OK
VIGA-w 2	4.0	LE1	63.1	0.0	0.0	OK
VIGA-arc 4	4.0	LE1	93.6	0.0	0.0	OK
VIGA-arc 5	4.0	LE1	113.4	0.0	0.0	OK
VIGA-arc 6	4.0	LE1	131.4	0.0	0.0	OK
VIGA-w 3	4.0	LE1	61.6	0.0	0.0	OK
VIGA-arc 7	4.0	LE1	131.3	0.0	0.0	OK
VIGA-arc 8	4.0	LE1	113.4	0.0	0.0	OK
VIGA-arc 9	4.0	LE1	93.5	0.0	0.0	OK
VIGA-w 4	4.0	LE1	63.1	0.0	0.0	OK
VIGA-arc 10	4.0	LE1	22.6	0.0	0.0	OK
VIGA-arc 11	4.0	LE1	23.3	0.0	0.0	OK
VIGA-arc 12	4.0	LE1	23.6	0.0	0.0	OK
CR1	2.5	LE1	269.8	0.0	0.0	OK
CR2	2.5	LE1	269.2	0.0	0.0	OK
SP 1	2.5	LE1	204.1	0.0	30.1	OK
SP 2	2.5	LE1	134.5	0.0	0.0	OK
SP 3	2.5	LE1	134.5	0.0	0.0	OK

Datos de diseño

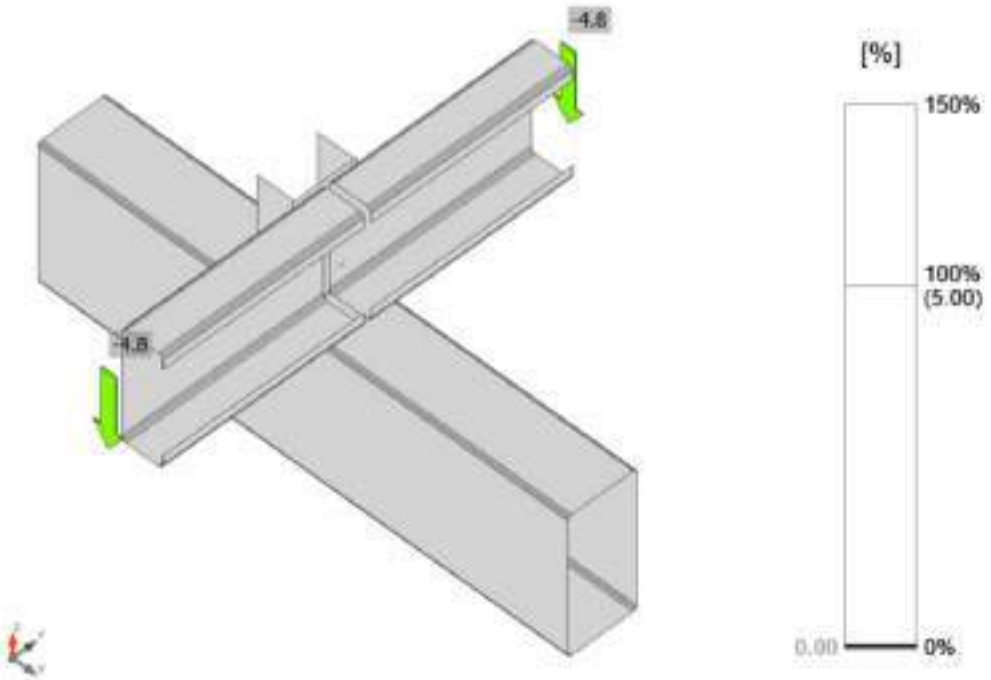
Material	F_y [MPa]	ε_{lim} [%]
A572 Gr.50	344.7	5.0

Explicación del símbolo

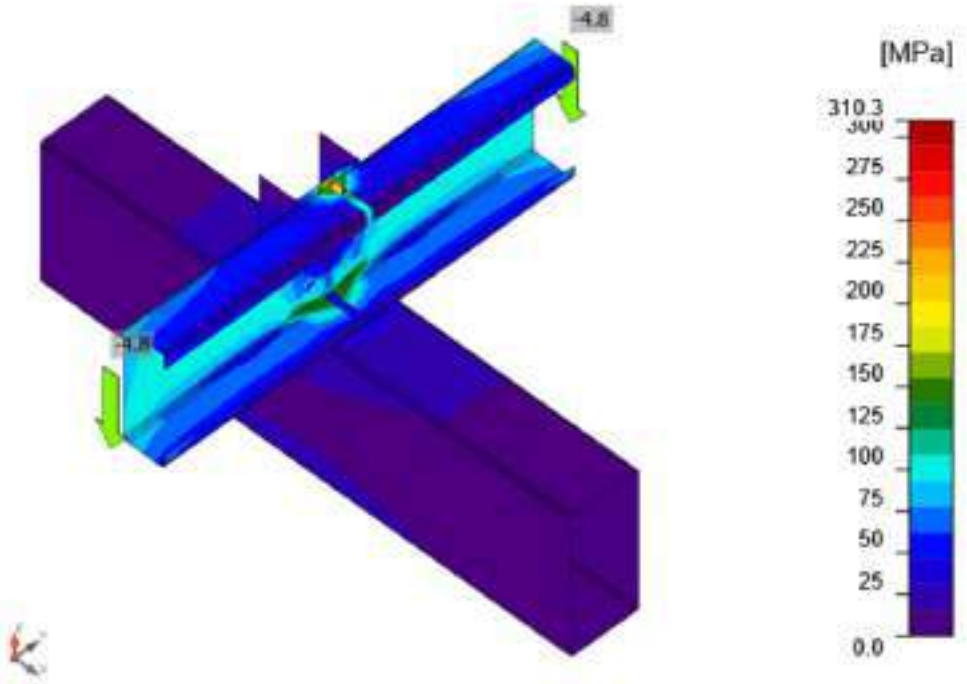
t_p	Espesor de placa
σ_{Ed}	Tensión equivalente
ε_{pl}	Deformación plástica
$\sigma_{c,Ed}$	Tensiones de Contacto
F_y	Límite elástico
ε_{lim}	Límite de la deformación plástica



Verificación general, LE1

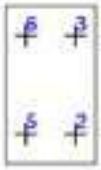


Verificación de deformación, LE1



Tensión equivalente, LE1

Tornillos

Forma	Ítem	Calidad	Cargas	F_t [kN]	V [kN]	$\phi R_{n,portante}$ [kN]	Ut_t [%]	Ut_s [%]	Ut_{ts} [%]	Estado
	B2	1/2 Gr 2 - 1	LE1	3.5	2.5	23.0	18.8	23.1	-	OK
	B3	1/2 Gr 2 - 1	LE1	8.2	2.3	15.5	44.6	20.4	-	OK
	B5	1/2 Gr 2 - 1	LE1	3.4	2.5	23.0	18.7	23.1	-	OK
	B6	1/2 Gr 2 - 1	LE1	8.2	2.3	15.5	44.6	20.4	-	OK

Datos de diseño

Calidad	$\phi R_{n,tracción}$ [kN]	$\phi R_{n,cortante}$ [kN]
1/2 Gr 2 - 1	18.4	11.0

Explicación del símbolo

F_t	Fuerza de tracción
V	Resultante de fuerzas cortantes en pernos Vy y Vz en planos de cortantes
$\phi R_{n,portante}$	Resistencia a aplastamiento de la chapa provocado por el tornillo
Ut_t	Utilización a tracción
Ut_s	Utilización a cortante
Ut_{ts}	Utilización a tensión y cortante
$\phi R_{n,tracción}$	Resistencia a tracción del tornillo - AISC 360-16 – J3.6
$\phi R_{n,cortante}$	Resistencia a cortante del tornillo - AISC 360-16 – J3.6

Soldaduras

Ítem	Borde	Xu	t_w [mm]	w [mm]	L [mm]	L_c [mm]	Cargas	F_n [kN]	ϕR_n [kN]	Ut [%]	Estado
VIGA-w 3	SP 1	E70xx	◢ 2.1 ◣	◢ 3.0 ◣	86	10	LE1	2.1	6.5	32.1	OK
		E70xx	◢ 2.1 ◣	◢ 3.0 ◣	86	10	LE1	2.3	6.6	35.6	OK
SP 1	SP 2	E70xx	-	-	160	-	-	-	-	-	OK
SP 1	SP 3	E70xx	-	-	160	-	-	-	-	-	OK
VIGA-w 3	SP 2	E70xx	◢ 2.1 ◣	◢ 3.0 ◣	50	10	LE1	2.1	5.7	37.8	OK
		E70xx	◢ 2.1 ◣	◢ 3.0 ◣	50	10	LE1	1.9	6.7	28.2	OK
VIGA-w 3	SP 3	E70xx	◢ 2.1 ◣	◢ 3.0 ◣	50	10	LE1	1.9	6.7	28.3	OK
		E70xx	◢ 2.1 ◣	◢ 3.0 ◣	50	10	LE1	2.1	5.7	37.8	OK

Explicación del símbolo

t_w	Espesor de garganta de soldadura
w	Tamaño de la soldadura
L	Longitud de la soldadura
L_c	Longitud del elemento crítico de la soldadura
F_n	Fuerza en el elemento crítico de la soldadura
ϕR_n	Resistencia de la soldadura - AISC 360-16 – J2-4
Ut	Utilización
◢	Cordón de soldadura

Pandeo

El análisis de pandeo no se ha calculado.

Configuración de la norma

Ítem	Valor	Unidad	Referencia
Coeficiente de fricción - hormigón	0.40	-	ACI 349-01 – B.6.1.4
Coeficiente de fricción en la resistencia a deslizamiento	0.30	-	AISC 360-16 – J3.8
Deformación plástica límite	0.05	-	
Detallado	No		
Distancia entre tornillos [d]	2.66	-	AISC 360-16 – J3.3
Distancia entre tornillos y el borde [d]	1.25	-	AISC 360-16 – J.3.4
Resistencia al arrancamiento del cono de hormigón	Ninguno		
Resistencia del metal base en la cara de fusión de la soldadura	No		AISC 360-16 – J2-2
La deformación en el orificio del perno con la carga de servicio es una consideración de diseño	Sí		AISC 360-16 – J3.10
Hormigón fisurado	Sí		ACI 318-14 – 17
Comprobación de la deformación local	No		
Deformación límite local	0.03	-	CIDECT DG 1, 3 - 1.1
No linealidad geométrica (GMNA)	Sí		Grandes deformaciones para secciones huecas

ANEXO G – ESCALERA

ANEXO G – DISEÑO DE ESCALERA

- Avalúo de cargas

*** Peldaños**

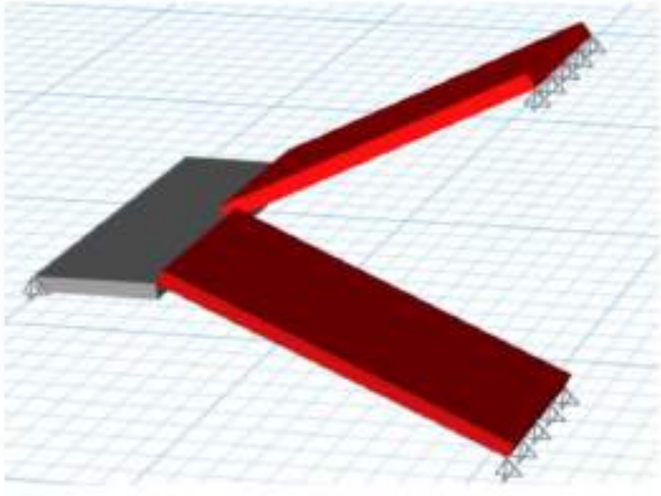
Peso ppio:	432 Kg/m
Acabados:	200 Kg/m
Peldaños :	203 Kg/m

W_{DL} =	835 Kg/m	W_{CS} =	1335 Kg/m
W_{LL} =	500 Kg/m	W_{U} =	1801 Kg/m

*** Descanso**

Peso ppio:	432 Kg/m
Acabados:	200 Kg/m

W_{DL} =	632 Kg/m	W_{CS} =	1132 Kg/m
W_{LL} =	500 Kg/m	W_{U} =	1558 Kg/m



- Especificaciones

fy (Kg/cm²)	4200
f'c (Kg/cm²)	280
F.C.	1.35

- Geometría

L (m)	4.2
H (cm)	18
B (cm)	100
d' (cm)	3
d (cm)	15

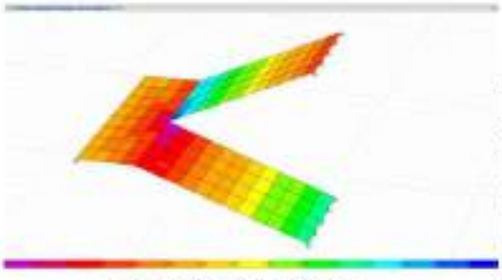


Diagrama de Cortantes



Diagrama de Momentos

	Apoyo 1			Apoyo 2	
Luz libre (m)			4.2		
Mn (Kg-m)		0	1222.22	1424	
Mu (Kg-m)		0	1100.	1282	
Xo (m)		0	2.1	4.20	
ρ calculado		0.00000	0.00131	0.00153	
ρ asumido		0.00180	0.00330	0.00180	
As (-) cm²		3.24		3.24	
Ref superior		#4@20		#4@20	
As (+) cm²			4.95		
Ref inferior			#4@20		
Vu (Kg)		1455.00		1459.23	
Vud (Kg)		1247.14		1233.40	
Vud (Kg/cm²)		0.831		0.822	
Φ Vc (Kg/cm²)		6.65	Espesor Ok!	6.65	

- Acero de retracción y fraguado

As ret : 0 cm²/m

Use: #3@25cm

ANEXO G – BARANDAS Y PASAMANOS

G.1 EMPUJES EN PASAMANOS Y ANTEPECHOS

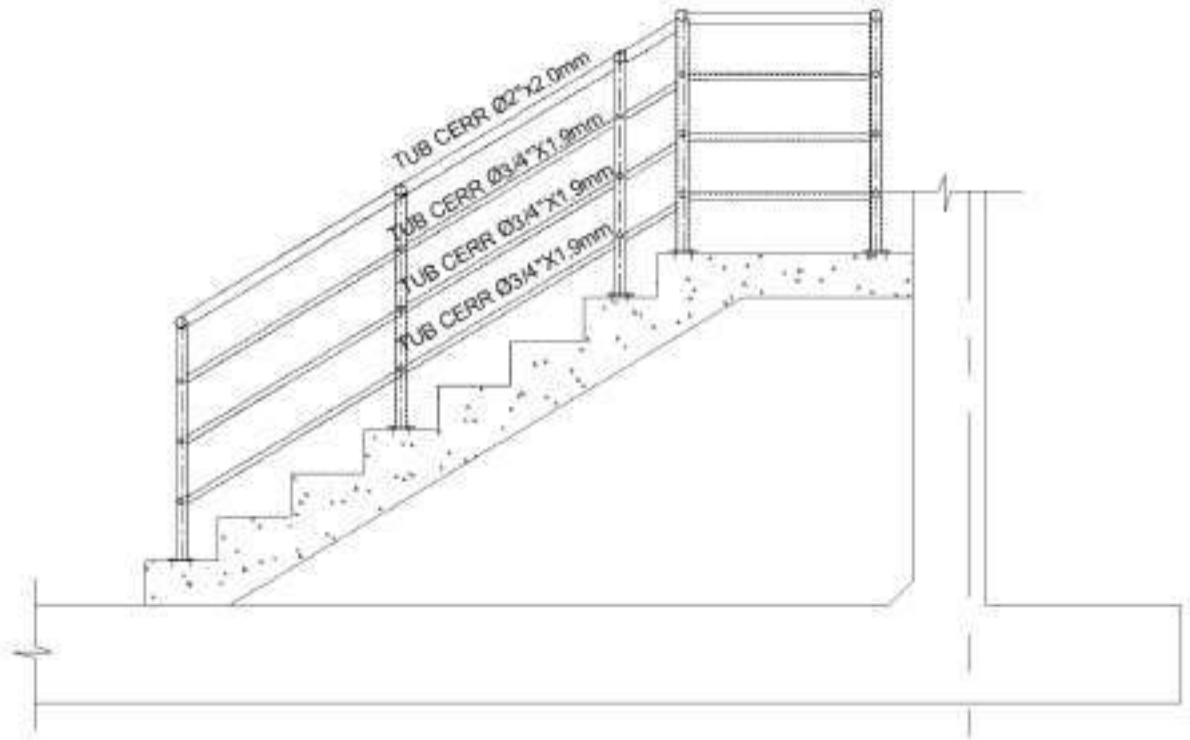
B.4.2.2 – Las barandas, pasamanos de escaleras y balcones, y barras auxiliares tanto exteriores como interiores, y los antepechos deben diseñarse para que resistan una fuerza horizontal de 100 kg/m aplicada en la parte superior de la baranda, pasamanos o antepecho y deben ser capaces de transferir esta carga a través de los soportes a la estructura.

- Cargas lineales

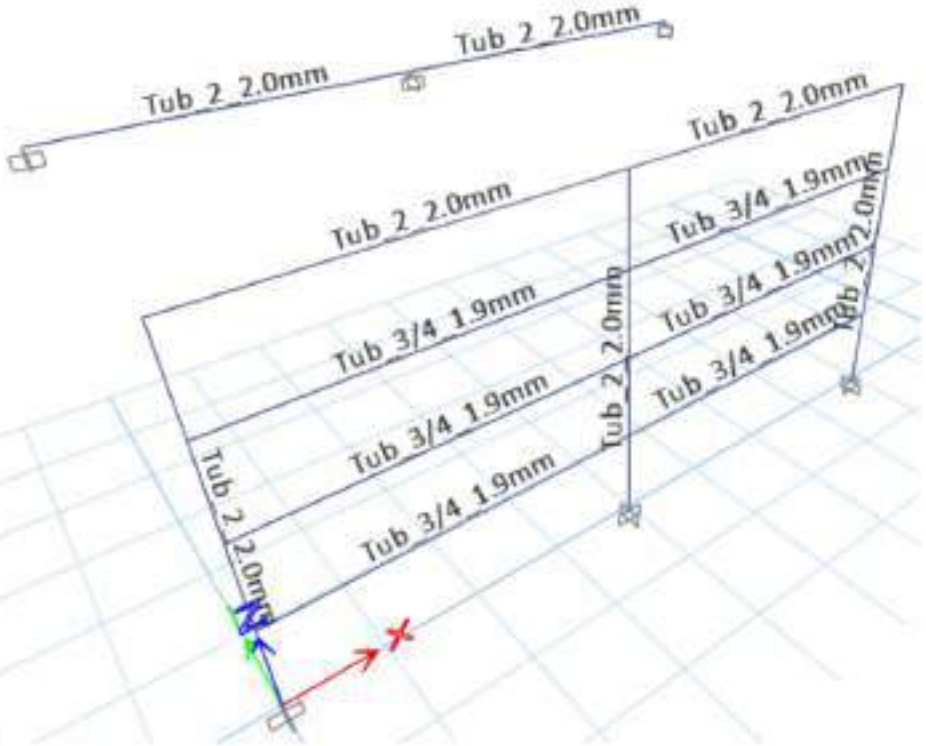
Barandas 100 Kg /m

W_{LD} = **100 Kg/m**

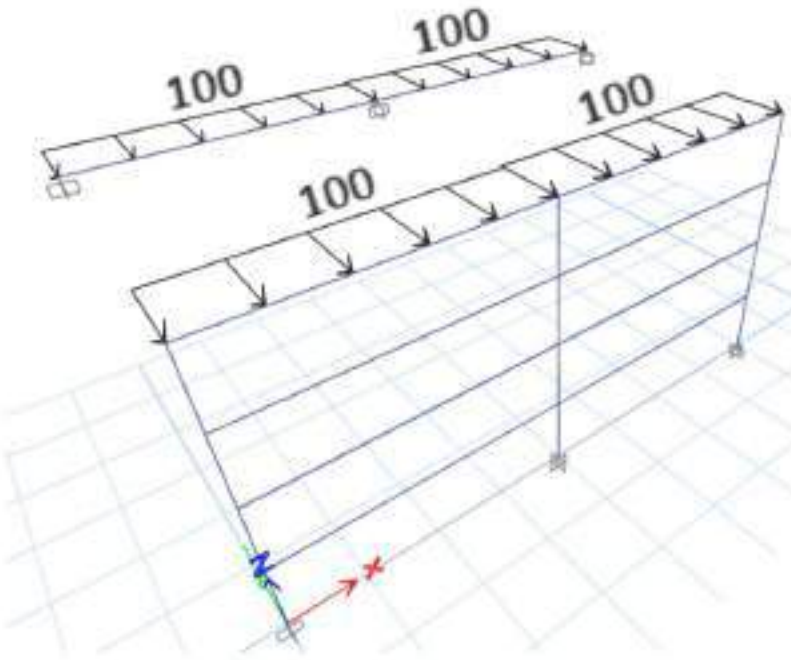
G.2 BARANDA TIPO



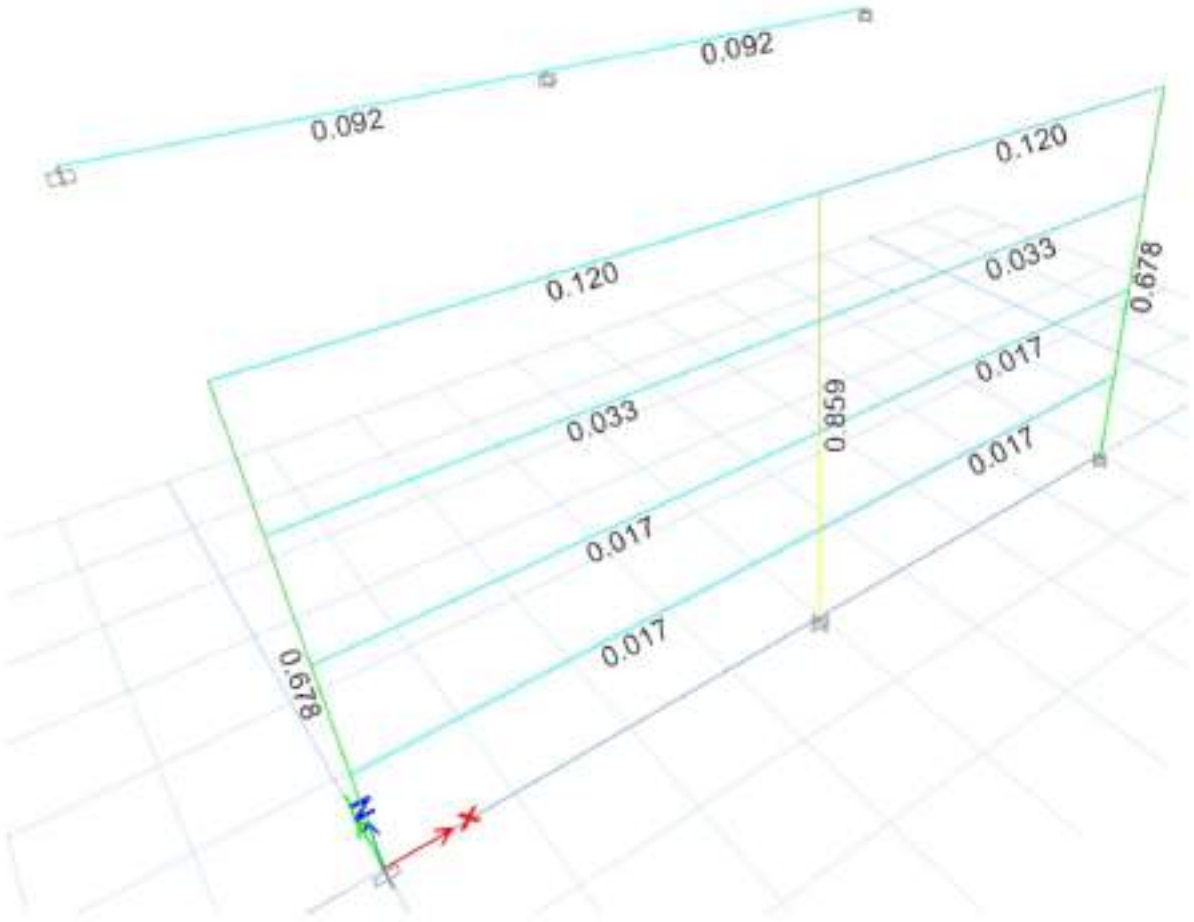
G.3 MODELO 3D



G.4 CARGAS SOBRE BARANDAS Y PASAMANOS



G.5 ÍNDICES DE SOBRESFUERZO



Demand/Capacity (D/C) Ratio Eqn.(H1-1b)

D/C Ratio =	$(P_r/2P_c) + Sqrt[(M_{r33}/M_{c33})^2 + (M_{r22}/M_{c22})^2]$
0.859 =	0.001 + Sqrt[(0)^2 + (0.858)^2]

Axial Force and Capacities

P_u Force (kgf)	ϕP_{nc} Capacity (kgf)	ϕP_{nt} Capacity (kgf)
10.95	5155.5	7844.91

Moments and Capacities

	M_u Moment (kgf-m)	ϕM_n (kgf-m)	ϕM_n No LTB (kgf-m)	ϕM_n Cb=1 (kgf-m)
Major Bending	0	144.64	144.64	144.64
Minor Bending	124.15	144.64		

G.6 CONEXIÓN

Para el diseño del anclaje, debido a que se instalará sobre una losa fundida, se proponen anclajes con epóxico Sika® AnchorFix-3001. Se deben tener las fuerzas de servicio actuantes y la calidad de los materiales involucrados con el fin de hallar las correctas especificaciones.

Momento máximo de servicio	M: 0.1 Ton/m x 1m x 1m = 0.1 Ton-m
Cortante máxima de servicio	V: 0.1 Ton
Distancia entre pernos	d: 0.08 m
Tensión en pernos (M/d)	Ts: 1.25 Ton
Numero de pernos resistentes	#: 4 pernos
Tensión / perno	T: 0.325 Ton/perno ≈ 750 lb/perno

Anchor Diameter	Embedment Depth	Allowable Concrete Capacity /Bond					
		Tension (lb)			Shear (lb)		
		f'_c=2,500psi	f'_c=4,000psi	f'_c=6,000psi	f'_c=2,500psi	f'_c=4,000psi	f'_c=6,000psi
3/8" or #3	2-3/8"	1,939	2,032	2,176	2,585	2,710	2,904
	4-15/16"	4,031	4,225	4,528	5,375	5,633	6,038
	7-1/2"	6,123	6,418	6,878	8,164	8,557	9,171

1. The above values represent mean ultimate values and allowable w orking loads. The allowable working loads have been reduced us ing a safety factor of 4.0 for tension and 3.0 for shear , however, in some cases, such as life safety, safety factors of 10.0 or higher may be necessary
2. Allowable loads must be checked against steel capacity. The lowest value controls.
3. Tabulated data is applicable to single anchors in normal weight concrete unaffected by edge or spacing reduction factors. V alues are valid for anchors installed into dry concrete in holes drilled with a hammer drill and ANSI carbide drill bit.
4. Linear interpolation is allowed.

Se escogen pernos de 3/8 de pulgada con una longitud embebida de 8cm que cuentan con una tensión admisible resistente de aproximadamente 2032 lb que resulta mayor a la tensión actuante de 750 lb. Además, la resistencia a cortante de un solo perno Vr = 2710 lb supera la fuerza cortante admisible actuante V = 220 lb.

MEMORIA DE CÁLCULOS

CONSTRUCCIÓN DE LA NUEVA PLANTA FÍSICA DEL CENTRO HOSPITAL DEL CORREGIMIENTO DE ROZO, MUNICIPIO DE PALMIRA – VALLE DEL CAUCA

BLOQUE 4
ÁREA TÉCNICA

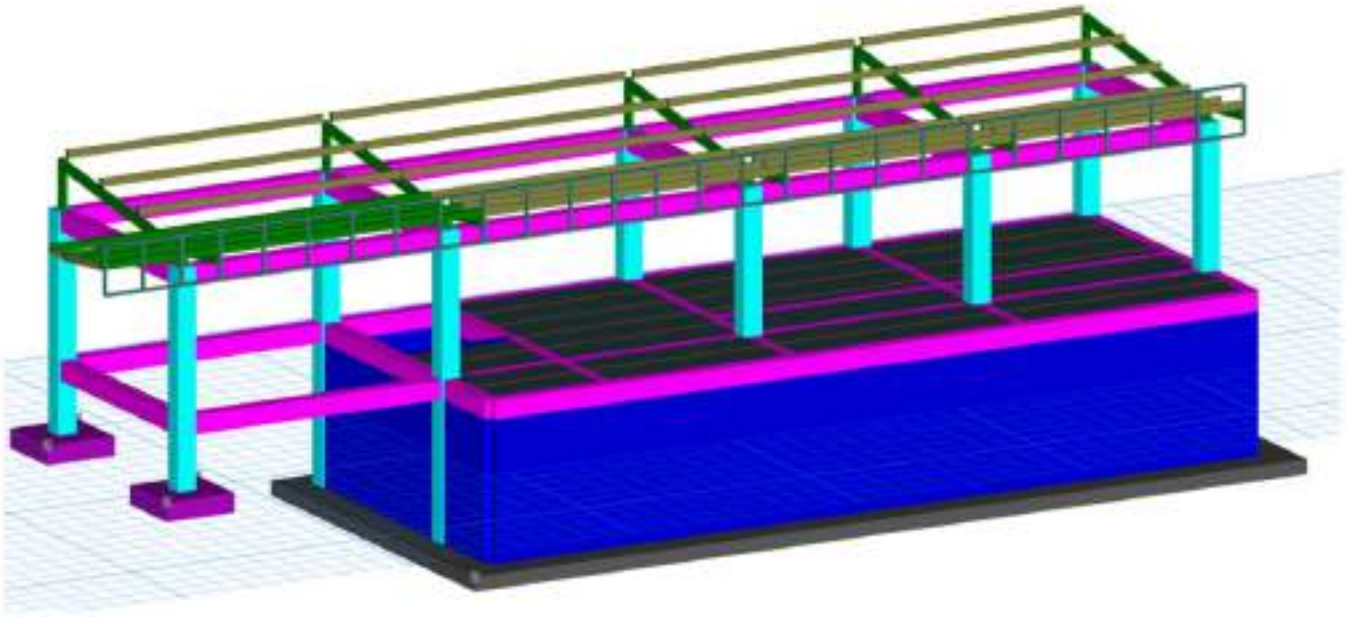
ROZO
PALMIRA - VALLE DEL CAUCA

CONSULTOR: FUNDACIÓN UNIVALLE

Wilmar A. Portilla Salas
Ingeniero Civil, MSc.
M.P.: 76202201272-VLL

PROYECTO:

CONSTRUCCIÓN DE LA NUEVA PLANTA FÍSICA DEL CENTRO HOSPITAL DEL CORREGIMIENTO DE ROZO, MUNICIPIO DE PALMIRA – VALLE DEL CAUCA



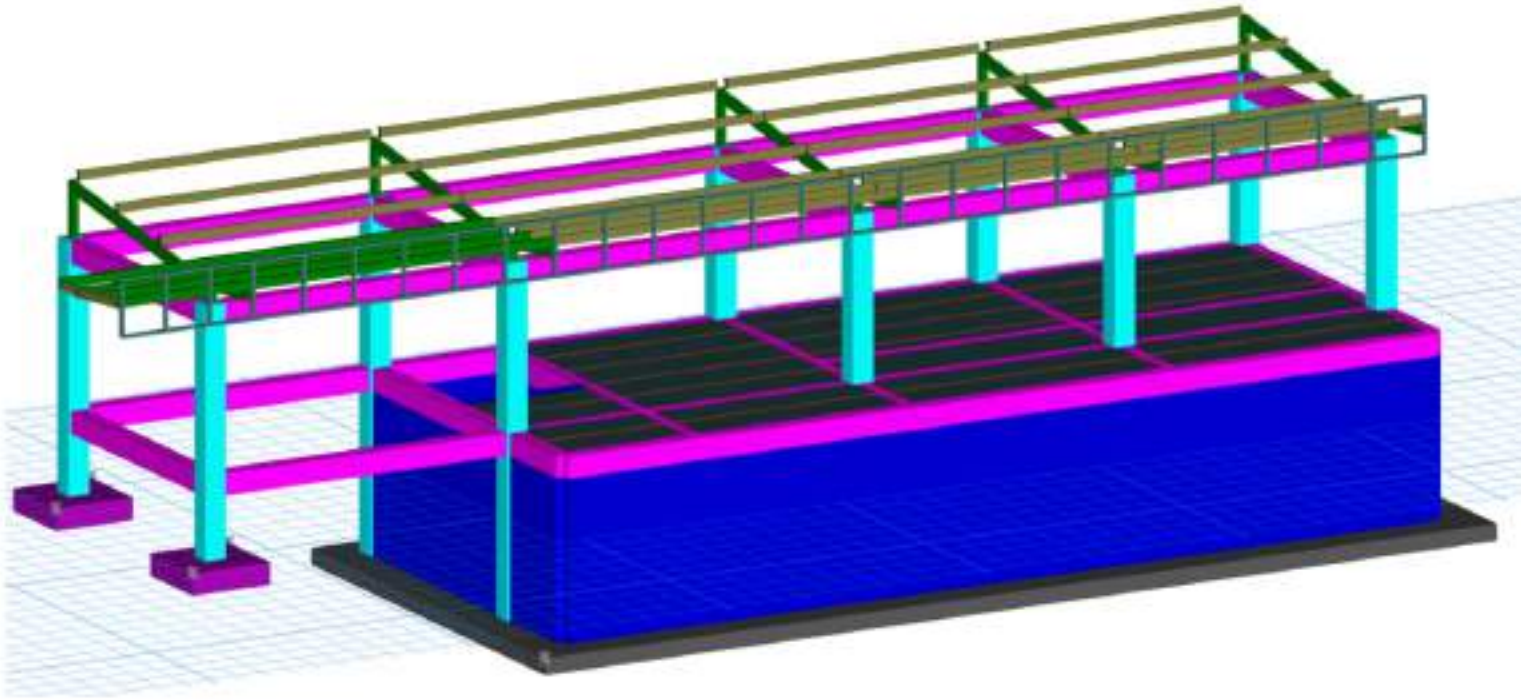
PALMIRA – VALLE DEL CAUCA

Septiembre de 2025

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V1	-	Septiembre 15 de 2025	Primera emisión
V2	-	Septiembre 15 de 2025	Ajustes a observaciones de revisión externa.



MODELO 3D

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1 OBJETIVO Y ALCANCE

1.1 OBJETIVO

Diseñar y dimensionar la estructura del Bloque 4 del Centro Hospital de Rozoo, garantizando el cumplimiento de los requisitos de seguridad, funcionalidad y normativa vigente. El diseño estructural se desarrollará con base en la información proporcionada por el estudio de suelos, el proyecto arquitectónico y demás especificaciones técnicas, considerando las acciones gravitacionales y laterales, y aplicando los lineamientos establecidos en la Norma Colombiana de Diseño y Construcción Sismo Resistente (NSR-10).

1.2 ALCANCE

El alcance del presente proyecto comprende la elaboración de los diseños estructurales definitivos del Bloque 4 (área técnica) correspondiente al CES ROZO. Dichos diseños atenderán criterios de resistencia, estabilidad, seguridad, funcionalidad constructiva y servicio, cumpliendo con lo establecido en el Reglamento Colombiano de Construcción Sismo Resistente NSR-10, así como con las recomendaciones derivadas del estudio de suelos y las condiciones particulares del proyecto arquitectónico.

2 GENERALIDADES

2.1 DESCRIPCIÓN DE LA ESTRUCTURA

- La estructura está proyectada en concreto reforzado, conformada por muros perimetrales e internos diseñados para resistir tanto las presiones hidrostáticas del agua almacenada como las presiones del terreno. En la parte superior se dispone una losa maciza apoyada sobre vigas descolgadas, conformando un área técnica. Adicionalmente, se incluyen columnas de

concreto reforzado resistentes a momentos, que soportan la cubierta de la estructura.

- La cubierta está compuesta por vigas tubulares de acero estructural, correas en lámina delgada tipo "perlin" y teja termoacústica.

- La cimentación es de tipo superficial, compuesta por zapatas aisladas y vigas de amarre, diseñadas conforme a las recomendaciones del estudio de suelos.

2.2 CARACTERÍSTICAS GENERALES

Localización:	Rozo - Palmira, Valle del Cauca
Sistema estructural:	Porticos de concreto reforzado
Uso proyectado:	Institucional (Salud)
Número de pisos:	1 Pisos + tanques enterrados.

2.3 ESTUDIOS COMPLEMENTARIOS

Proyecto arquitectónico:	ESTUDIO UN S.A.S. BIC
Estudio de suelos:	LABCON

2.4 NORMA DE DISEÑO

En este numeral se citan los diferentes códigos, normas y estándares que se aplicaran al diseño de edificaciones, de acuerdo a la normativa vigente nacional.

- Reglamento colombiano de Diseño Sismo Resistente NSR-10 - Ley 1229 de 2008.
  - Decreto 926 de 2010
  - Decreto 092 de 2011
  - Decreto 340 de 2012
  - Decreto 945 de 2017
  - Decreto No. 2113 de 2019
  - Decreto Nol 1711 de 2021
  - Decreto No. 1401 de 2023

2.5 MATERIALES

2.5.1 ACERO ESTRUCTURAL

Los elementos de acero estructural deben cumplir con las especificaciones contenidas por el literal F.2.1.5.1 de la NSR-10 y las normas ASTM correspondientes:

• Perfiles W, IPE, HE y Platinas	ASTM A572 Gr.50	f_y = 3515 kg/cm^2
• Perfiles tubulares circulares	ASTM A500 Gr.C	f_y = 3241 kg/cm^2
• Perfiles rectangulares	ASTM A500 Gr.C	f_y = 3515 kg/cm^2
• Ángulos y Canales	ASTM A572 Gr.50	f_y = 3515 kg/cm^2
• Anclajes	ASTM A193 Gr. B7	f_y = 8788 kg/cm^2
• Pernos	ASTM A325	f_y = 8436 kg/cm^2
• Soldadura	E70XX	

2.5.2 ACERO DE REFUERZO

• Barras corrugadas	ASTM A706M	f_y = 4200 kg/cm^2

De acuerdo al literal C.8.5.2 de la NSR-10 se define el módulo de elasticidad del acero de refuerzo Es como 2'030,000 kg/cm^2

2.5.3 CONCRETO

• Cimentación	f'_c = 280 kg/cm^2
• Columnas, vigas y losas	f'_c = 280 kg/cm^2

De acuerdo al literal C.8.5.1 de la NSR-10 se define el módulo de elasticidad del concreto de acuerdo a la resistencia a la compresión usada. $E_c = 15100\sqrt{f'_c}$

2.5.4 MORTEROS

• Mortero de pega	NTC 3329	f'_{cr} = 175 kg/cm^2
• Mortero de relleno	NTC 4048	f'_{cr} = 125 kg/cm^2

De acuerdo a los literales D.3.4 y D.3.5 de la NSR-10 se define la resistencia de los morteros a emplear en los muros de mampostería.

2.5.5 MAMPOSTERÍA

- Perforación vertical $f'_m = 88\ kg/cm^2$ $E_m = 65725\ kg/cm^2$

De acuerdo al literal D.5.2.1.2 de la NSR-10 se define el módulo de elasticidad del concreto de acuerdo a la resistencia a la compresión usada. $E_m = 750\ f'_m$

3 PARÁMETROS DE ANÁLISIS Y DISEÑO

3.1 ANÁLISIS ESTRUCTURAL

El modelo analítico de la estructura se desarrolla en el programa ETABS, un software de análisis por elementos finitos. En él se emplean elementos tipo Frame para representar vigas y columnas, y elementos tipo Shell bidimensionales (de tres o cuatro nodos) para modelar losas y muros.

La modelación incluye, desde su inicio, la definición de la geometría, propiedades de los materiales y las acciones a las que estará sometida la estructura. Los materiales como acero, concreto y mampostería se consideran isotrópicos y elásticos lineales, obedeciendo la ley de Hooke.

Las uniones entre elementos estructurales se asumen rígidas. Las columnas se modelan con apoyos tipo empotramiento, mientras que los muros se apoyan de forma articulada para permitir rotación en su eje débil, restringiendo completamente sus desplazamientos.

Las cargas gravitacionales (muertas y vivas) se consideran permanentes, mientras que las acciones sísmicas se definen mediante un espectro elástico de aceleraciones, del cual se derivan fuerzas horizontales sobre la estructura.

Una vez definidos estos parámetros, se realiza el análisis estructural mediante el método matricial elástico, determinando la rigidez global del sistema, compuesta por las rigideces individuales de los elementos Frame y Shell. Posteriormente, se ejecuta un análisis modal para obtener las propiedades dinámicas de la estructura, seguido de un análisis espectral modal conforme a lo establecido en el Capítulo A.5 de la NSR-10. Este análisis permite determinar desplazamientos, reacciones y esfuerzos internos requeridos para el diseño estructural de la edificación.

3.2 CONDICIONES DEL MODELO

- Se colocaron apoyos tipo "Area spring" para simular la interacción sueloestructura.
- Para la modelación de los muros y losas se utilizaron secciones de área tipo "shell".
- Para la aplicación de la presión se utilizó la función Assign – Area Loads - "Non-Uniform" que permite la variación de los valores de las presiones en función de la altura, debiendo introducirse una ecuación del tipo lineal (P = Cz +D).

3.3 SISTEMA ESTRUCTURAL

En el bloque B4 (área técnica) se presenta una condición en la que una estructura aporticada (flexible) se apoya sobre una estructura mucho más rigida, correspondiente al tanque enterrado conformado por muros de concreto reforzado. Por esta razón, para el análisis sísmico se adoptó la siguiente clasificación estructural:

3.3.1 ESTRUCTRUTURA APORTICA DE CONCRETO REFORZADO:

El sistema estructural de resistencia sísmica de la edificación se clasifica como un sistema de pórticos resistentes a momentos en concreto reforzado, conforme a lo establecido en el Reglamento Colombiano de Construcción Sismo Resistente (NSR-10), que define cada sistema según los tipos de elementos verticales utilizados para resistir las fuerzas sísmicas y el grado de capacidad de disipación de energía del material estructural empleado.

A.3.2.1.3 Sistema de pórtico — Es un sistema estructural compuesto por un pórtico espacial, resistente a momentos, esencialmente completo, sin diagonales, que resiste todas las cargas verticales y fuerzas horizontales.

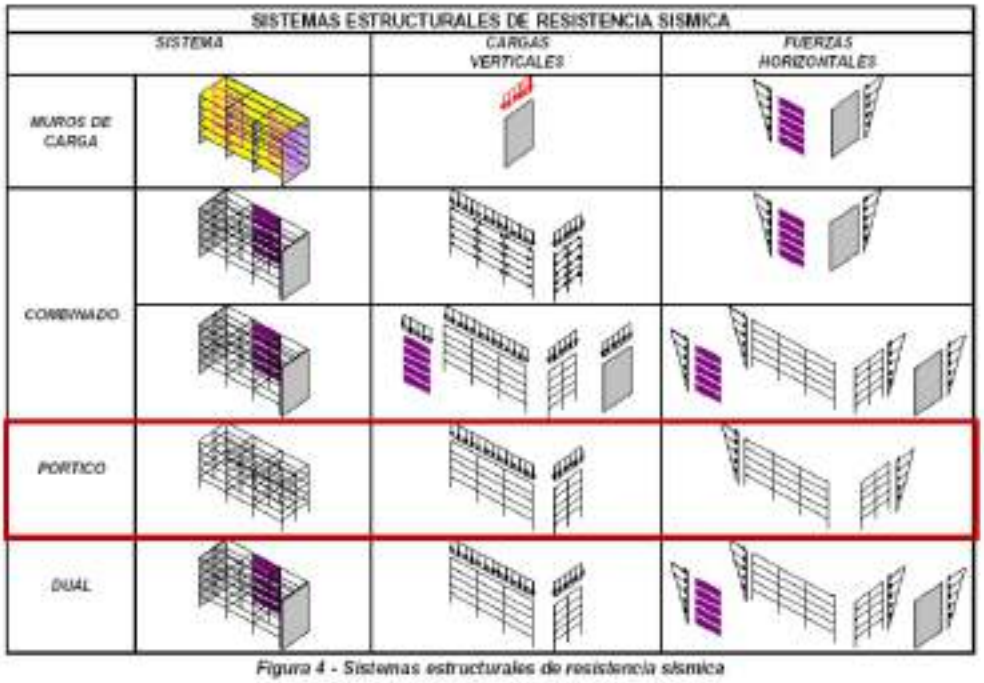


Figura 4 - Sistemas estructurales de resistencia sísmica

3.3.1.1 CAPACIDAD DE DISIPACIÓN DE ENERGÍA

De acuerdo con el sistema estructural, la calidad de los materiales y con la capacidad de disipación de energía exigida por el código para cada una de las regiones, se determina el coeficiente de modificación de respuesta Ro de acuerdo a la tabla A. 3-2 de la norma NSR-10.

3.3.1.2 COEFICIENTE DE CAPACIDAD DE DISIPACIÓN DE ENERGÍA BÁSICO Ro

Por ser una estructura localizada en una zona sísmica alta, se deben seguir las recomendaciones y límites establecidos en la norma NSR-10. Para este caso, se configura un sistema de pórticos resistentes a momentos se le asigna un valor de disipación de energía básico Ro = 7 de acuerdo a la tabla A.3.3 de la NSR-10.

C. SISTEMA DE PÓRTICO RESISTENTE A MOMENTOS		Valor R_0 (Nota 2)	Valor Ω_0 (Nota 4)	zonas de amenaza sísmica					
				Alta		Intermedia		baja	
Sistema resistencia sísmica (fuerzas horizontales)	Sistema resistencia para cargas verticales			uso permit	altura máx.	uso permit	altura máx.	uso permit	altura máx.
1. Pórticos resistentes a momentos con capacidad especial de disipación de energía (DES)									
a. De concreto (DES)	el mismo	7.0	3.0	si	sin límite	si	sin límite	si	sin límite

3.3.1.3 COEFICIENTE DE SOBRERRESISTENCIA Ωo

Coeficiente que depende del material estructural y el grado de disipación de energía que requieren los elementos frágiles o las conexiones de una edificación. De acuerdo a la tabla A.3-3. el coeficiente de sobre resistencia para un sistema estructural combinado concreto reforzado (DES) es igual a Ωo = 3.0

3.3.2 ESTRUCTRUTURA TIPO TANQUE ENTERRADO:

- Se clasifica como una estructura de contención rígida, constituida por muros de concreto reforzado y losa de cimentación, que debido a su rigidez presenta un desplazamiento sísmico despreciable en comparación con la superestructura.
- Para el análisis dinámico, se modela como un elemento de apoyo rígido que transmite las acciones sísmicas directamente al suelo.

3.3.2.1 CAPACIDAD DE DISIPACIÓN DE ENERGÍA

El tanque enterrado de muros de concreto reforzado se considera estructura rígida de contención con baja capacidad de disipación de energía; por lo tanto, se modela y diseña esencialmente elástico. Se le asigna un valor de disipación de energía básico Ro = 1.0.

4 CARGAS Y COMBINACIONES

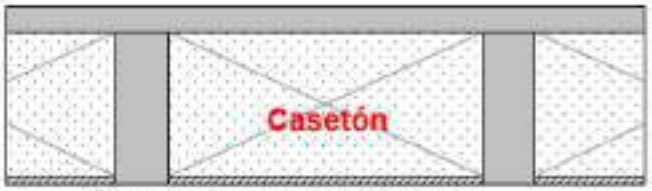
4.1 CARGAS VERTICALES

Las cargas empleadas para el análisis y diseño de la estructura son las siguientes:

4.1.1 CARGAS MUERTAS (D)

Corresponde al peso propio de la estructura y el peso de los elementos que permanecerán fijos durante su uso (cargas permanentes o comunes).

4.1.1.1 Losa segundo piso



Corte típico de losa aligerada

Peso propio losa	
Loseta	360 Kg /m^2
Viguetas	110 Kg /m^2
Casetón	30 Kg /m^2
W_{AD} =	**500 Kg/m^2**

- Cargas por unidad de área

Afinado y acabados de Piso	150 Kg /m^2
Instalaciones (Luminarias-Ductería de red contra inc	15 Kg /m^2
Otros	85 Kg /m^2
W_{AD} =	**250 Kg/m^2**

4.1.1.2 Cubierta

Tipo: Teja termoacústica
Perlines: PHR C 160x60x2.5mm
Separación: $S_{máx}$ = 1.5m



- Cargas por unidad de área

Peso teja			5.0 Kg /m2
Correas			4.0 Kg /m2
Cielo en panel yeso mas entramado			15.0 Kg /m2
Instalaciones (Luminarias-Ductería de red contra incendio)			10.0 Kg /m2
CARGA MUERTA :	**WDL =**	34	Kg/m2

4.1.2 CARGAS VIVAS (L)

Corresponden a aquellas cargas producidas por el uso y ocupación de la edificación y no deben incluir cargas ambientales tales como viento y sismo.

Tabla B.4.2.1-2

Uso: Institucional	Área técnica	W_{LL} =	1000 Kg/m²
	Corredores y escaleras	W_{LL} =	500 Kg/m²
	Salas y balcones	W_{LL} =	**500 Kg/m²**

4.1.3 CARGAS VIVAS DE TECHADO (Lr)

Corresponden a aquellas cargas no permanentes que recurren en la cubierta de manera frecuente y se definen de acuerdo a su tipo, inclinación y uso.

Tabla B.4.2.1-2

Inclinación cubierta θ = 10° < 15°	W_{Lr} =	50 Kg/m²

4.2 CARGAS DE VIENTO (W)

Son aquellas cargas a las que estará sometida la estructura, debidas a la presión del viento (*Ver anexo A*).

Procedimiento analítico capitulo B.6.

Presión negativa máxima Zonas 1, 2 & 3	W_{W-} =	87.1 Kg/m²
Presión positiva Zonas 1, 2 & 3	W_{W+} =	60 Kg/m²

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4.3 CARGA SÍSMICA (E)

4.4 ESPECTRO DE DISEÑO (A.2.6) – ESTRUCTRUA APORTICADA

Son aquellas cargas producidas por movimientos sísmicos que para efectos de análisis se obtienen por medio de un espectro elástico de pseudo-aceleraciones.

- Ciudad:	Palmira (Rozo)
- Perfil de Suelo:	Perfil Tipo E
- Aceleración pico efectiva	A_a (g): 0.25
- Velocidad pico efectiva	A_v (g): 0.20
- Coeficiente de amplificación aceleración periodos cortos F_a:	1.45
- Coeficiente de amplificación periodos intermedios	F_v: 3.2
- Grupo de uso para centros de enseñanza	Grupo II
- Coeficiente de importancia:	I: 1.1

La edificación Bloque 2 se clasificó dentro del Grupo de Ocupación II.

A.2.5.1.3 — *Grupo* II — *Estructuras de ocupación especial* — Cubre las siguientes estructuras:

(a) Edificaciones en donde se puedan reunir más de 200 personas en un mismo salón,
(b) Graderías al aire libre donde pueda haber más de 2000 personas a la vez,
(c) Almacenes y centros comerciales con más de 500 m² por piso,
(d) Edificaciones de hospitales, clínicas y centros de salud, no cubiertas en A.2.5.1.1.
(e) Edificaciones donde trabajen o residan más de 3000 personas, y
(f) Edificios gubernamentales.

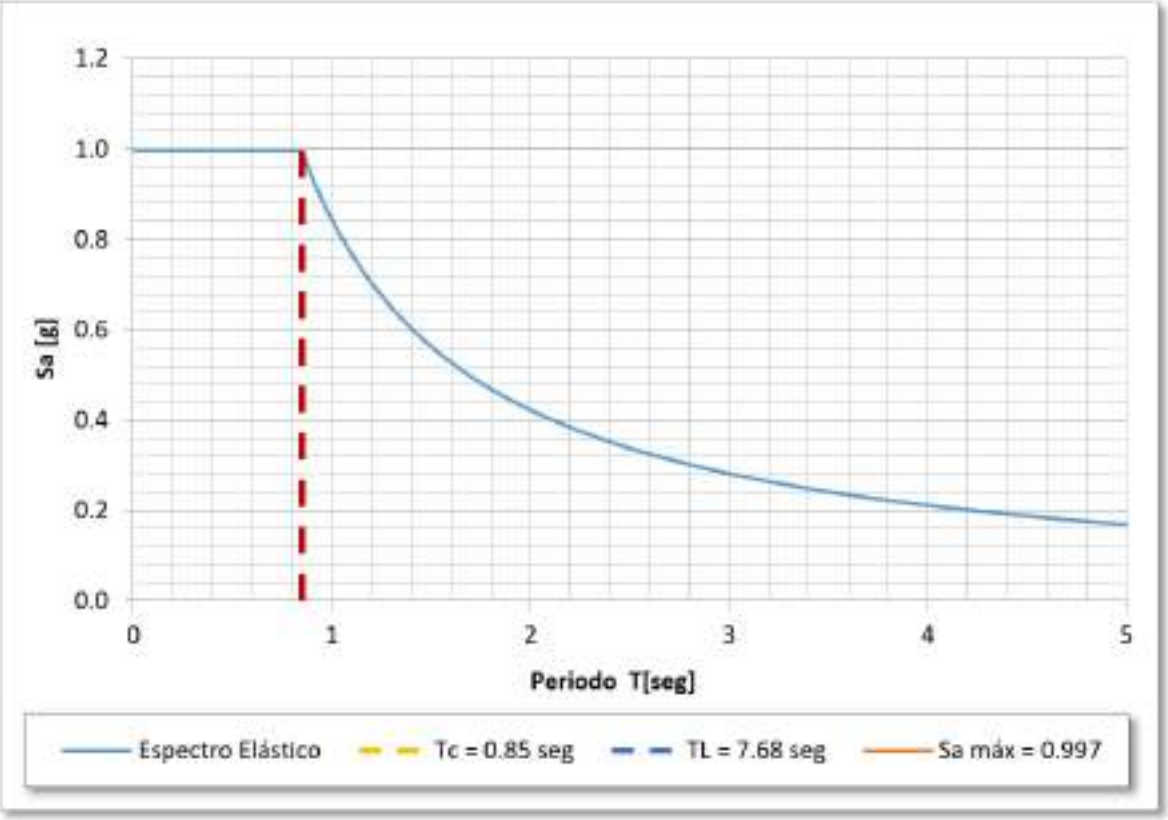


Figura 1. Espectro de diseño elástico

4.5 COMBINACIONES DE CARGAS

El diseño de las estructuras, sus componentes y cimentaciones debe hacerse de tal forma que sus resistencias de diseño igualen o excedan los efectos producidos por las cargas mayoradas en las siguientes combinaciones:

4.5.1 CONDICIONES DE SERVICIO (CARGAS NO MAYORADAS)

B.2.3-1	1.0D
B.2.3-2	1.0D + 1.0H + 1.0L + 1.0T
B.2.3-3	1.0D + 1.0H + 1.0Lr
B.2.3-4	1.0D + 1.0H + 0.75L + 0.75Lr
B.2.3-5	1.0D + 1.0H + 1.0W(+)
B.2.3-6	1.0D + 1.0H + 0.70Ex+0.21Ey
	1.0D + 1.0H + 0.70Ex-0.21Ey
	1.0D + 1.0H - 0.70Ex+0.21Ey
	1.0D + 1.0H - 0.70Ex-0.21Ey
	1.0D + 1.0H + 0.21Ex+0.70Ey
	1.0D + 1.0H + 0.21Ex-0.70Ey
	1.0D + 1.0H - 0.21Ex+0.70Ey
	1.0D + 1.0H - 0.21Ex-0.70Ey
B.2.3-7	1.0D + 1.0H + 0.75L + 0.75Lr + 0.75W(+)
B.2.3-8	1.0D + 1.0H + 0.75L + 0.75Lr + 0.52Ex + 0.16Ey
	1.0D + 1.0H + 0.75L + 0.75Lr + 0.52Ex - 0.16Ey
	1.0D + 1.0H + 0.75L + 0.75Lr - 0.52Ex + 0.16Ey
	1.0D + 1.0H + 0.75L + 0.75Lr - 0.52Ex - 0.16Ey
	1.0D + 1.0H + 0.75L + 0.75Lr + 0.16Ex + 0.52Ey
	1.0D + 1.0H + 0.75L + 0.75Lr + 0.16Ex - 0.52Ey
	1.0D + 1.0H + 0.75L + 0.75Lr - 0.16Ex + 0.52Ey
	1.0D + 1.0H + 0.75L + 0.75Lr - 0.16Ex - 0.52Ey
B.2.3-9	0.6D + 1.0H + 1.00W(+)
B.2.3-10	0.6D + 1.0H + 0.70E

4.5.2 CONDICIONES ÚLTIMAS (CARGAS MAYORADAS)

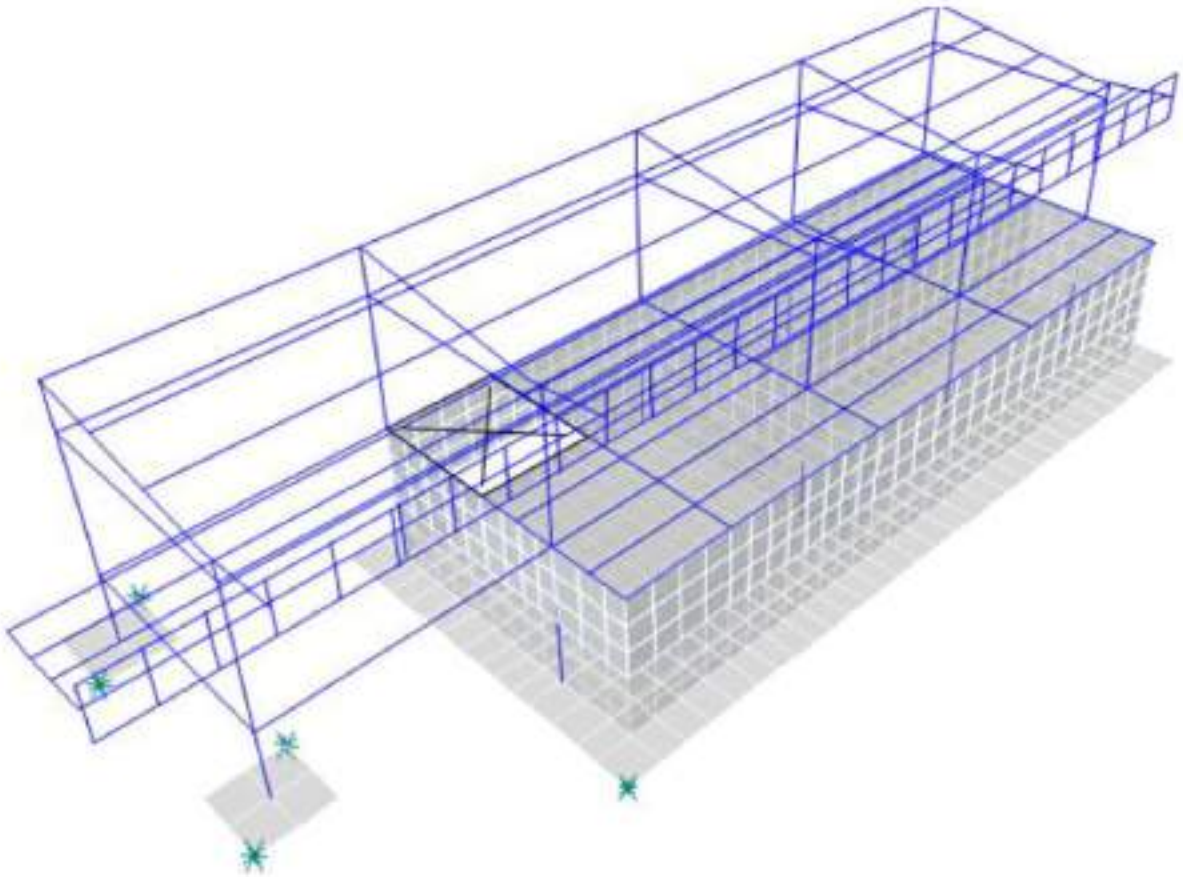
B.2.4-1	1.4D
B.2.4-2	1.2D + 1.6L + 0.5Lr
B.2.4-3	1.2D + 1.0L + 1.6Lr + 0.5W(+)
B.2.4-4	1.2D + 1.0L + 0.5Lr + 1.0W(+)
B.2.4-5	1.2D + 1.0L + 1.0Ex + 0.3Ey
	1.2D + 1.0L + 1.0Ex - 0.3Ey
	1.2D + 1.0L - 1.0Ex + 0.3Ey
	1.2D + 1.0L - 1.0Ex - 0.3Ey
	1.2D + 1.0L + 0.3Ex + 1.0Ey
	1.2D + 1.0L + 0.3Ex - 1.0Ey
	1.2D + 1.0L - 0.3Ex + 1.0Ey
	1.2D + 1.0L - 0.3Ex - 1.0Ey
B.2.4-6	0.9D + 1.0W(-)
B.2.4-7	0.9D + 1.0Ex + 0.3Ey
	0.9D + 1.0Ex - 0.3Ey
	0.9D - 1.0Ex + 0.3Ey
	0.9D - 1.0Ex - 0.3Ey
	0.9D + 0.3Ex + 1.0Ey
	0.9D + 0.3Ex - 1.0Ey
	0.9D - 0.3Ex + 1.0Ey
	0.9D - 0.3Ex - 1.0Ey

5 MODELO DIGITAL

Para el análisis y diseño de los elementos que conforman la edificación se utilizó el software de elementos finitos Etabs V18. de la compañia Computers and Structures, Inc.

A continuación, se presenta informe con los datos de entrada bajo los cuales se realiza el modelo digital.

ETABS® version 18



Resumen

1 Structure Data

1.1 Story Data

Table 1.1 - Story Definitions

Tower	Name	Height m	Master Story	Similar To	Splice Story	Color
B4	CB	1	No	None	No	Orange
B4	NV	3	No	None	No	Gray8Dark
B4	Piso 1	1.5	No	None	No	Gray8Dark

2 Loads

2.1 Load Patterns

Table 2.1 - Load Pattern Definitions

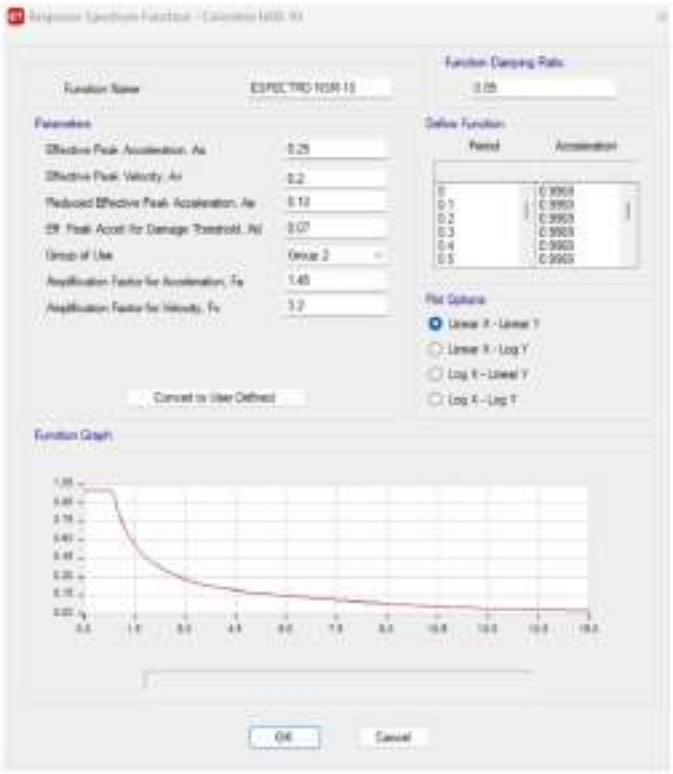
Name	Is Auto Load	Type	Self Weight Multiplier	Auto Load
~EXYECC	Yes	Other	0	
~INEXECC	Yes	Other	0	
~INEYECC	Yes	Other	0	
~LLRF	Yes	Other	0	
~SeismicEXYECC	Yes	Other	0	
~SXECC	Yes	Other	0	
~SYECC	Yes	Other	0	
Dead	No	Dead	1	
F	No	Other	0	
H	No	Other	0	
Live	No	Live	0	
Lr	No	Roof Live	0	
SuperDead	No	Super Dead	0	
T	No	Other	0	
Wx (-)	No	Wind	0	None
Wx (+)	No	Wind	0	None
Wy (-)	No	Wind	0	None
Wy (+)	No	Wind	0	None
Wz (-)	No	Wind	0	None
Wz (+)	No	Wind	0	None

2.2 Functions

2.2.1 Response Spectrum Functions

Table 2.2 - Functions - Response Spectrum - User Defined

Name	Period sec	Value	Aa	Av	Ae	Ad	Group of Use	Fa	Fv	Damping Ratio
ESPECTRO NSR-10	0	0.996875	0.25	0.2	0.12	0.07	2	1.45	3.2	0.05
ESPECTRO NSR-10	0.1	0.996875								
ESPECTRO NSR-10	0.2	0.996875								
ESPECTRO NSR-10	0.3	0.996875								
ESPECTRO NSR-10	0.4	0.996875								
ESPECTRO NSR-10	0.5	0.996875								
ESPECTRO NSR-10	0.6	0.996875								
ESPECTRO NSR-10	0.7	0.996875								
ESPECTRO NSR-10	0.8	0.996875								
ESPECTRO NSR-10	0.9	0.938667								
ESPECTRO NSR-10	1	0.8448								
ESPECTRO NSR-10	1.2	0.704								
ESPECTRO NSR-10	1.5	0.5632								
ESPECTRO NSR-10	1.7	0.496941								
ESPECTRO NSR-10	2	0.4224								
ESPECTRO NSR-10	2.5	0.33792								
ESPECTRO NSR-10	3	0.2816								
ESPECTRO NSR-10	3.5	0.241371								
ESPECTRO NSR-10	4	0.2112								
ESPECTRO NSR-10	5	0.16896								
ESPECTRO NSR-10	8	0.101376								
ESPECTRO NSR-10	11	0.05362								
ESPECTRO NSR-10	15	0.028836								



2.3 Load Cases

Table 2.3 - Load Case Definitions - Summary

Name	Type
Modal	Modal - Eigen
Dead	Linear Static
Live	Linear Static
SuperDead	Linear Static
Lr	Linear Static
F	Linear Static
H	Linear Static
T	Linear Static
$Seismic_{XY}$	Response Spectrum
E_{XY}	Response Spectrum
Wx (+)	Linear Static
Wx (-)	Linear Static
Wy (+)	Linear Static
Wy (-)	Linear Static
Wz (+)	Linear Static
Wz (-)	Linear Static
SX	Response Spectrum
SY	Response Spectrum

Name	Type
INEX	Response Spectrum
INEY	Response Spectrum

3.1 Properties

2.1 Materials

Table 2.1 - Material Properties - General

Material	Type	SymType	Grade	Color	Notes
A416Gr270	Tendon	Uniaxial	Unknown	Gray8Dark	
A572Gr50	Steel	Isotropic	Grade 50	Red	
A615Gr60	Rebar	Uniaxial	Unknown	Magenta	
A653SQGr50	ColdFormed	Isotropic	SQ Grade 50	Blue	
A706Gr60	Rebar	Uniaxial	Grade 60	Yellow	
ASTM A500 Gr. C	Steel	Isotropic	Grade 50	Magenta	
f'c=280kg/cm2	Concrete	Isotropic	Unknown	Cyan	

4.1 Area Loads

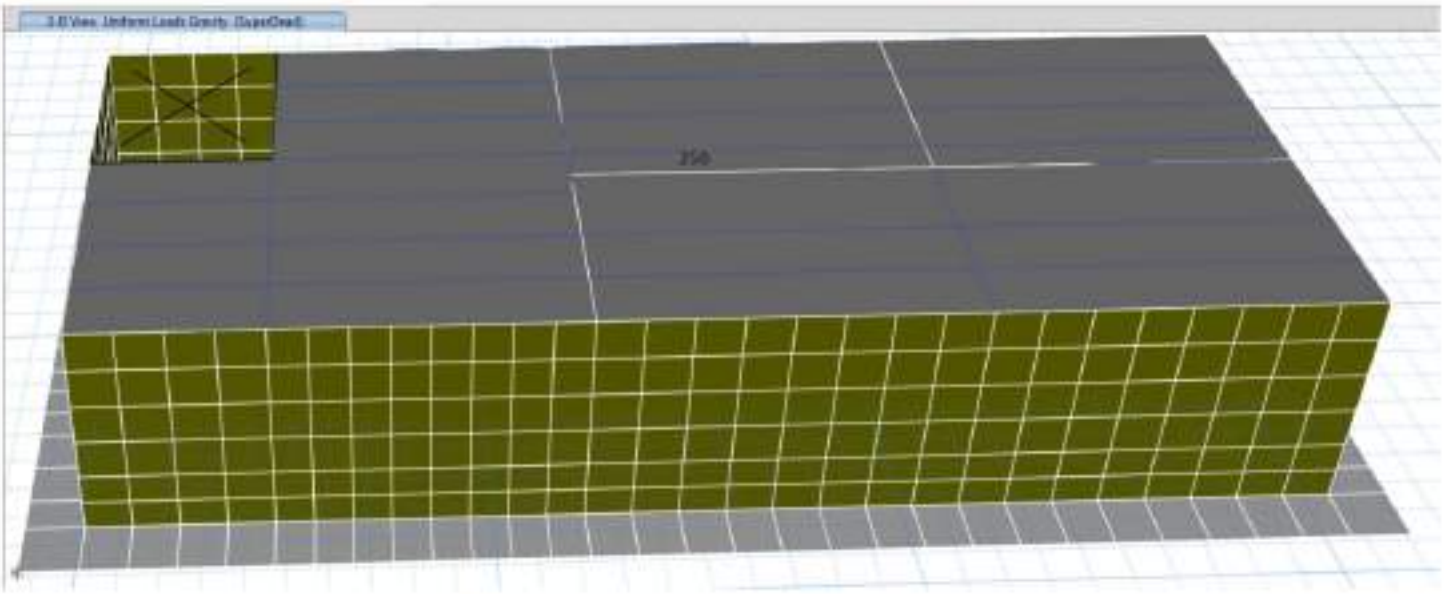


Figura 2. Carga sobreimpuesta sobre losa de entrepiso.

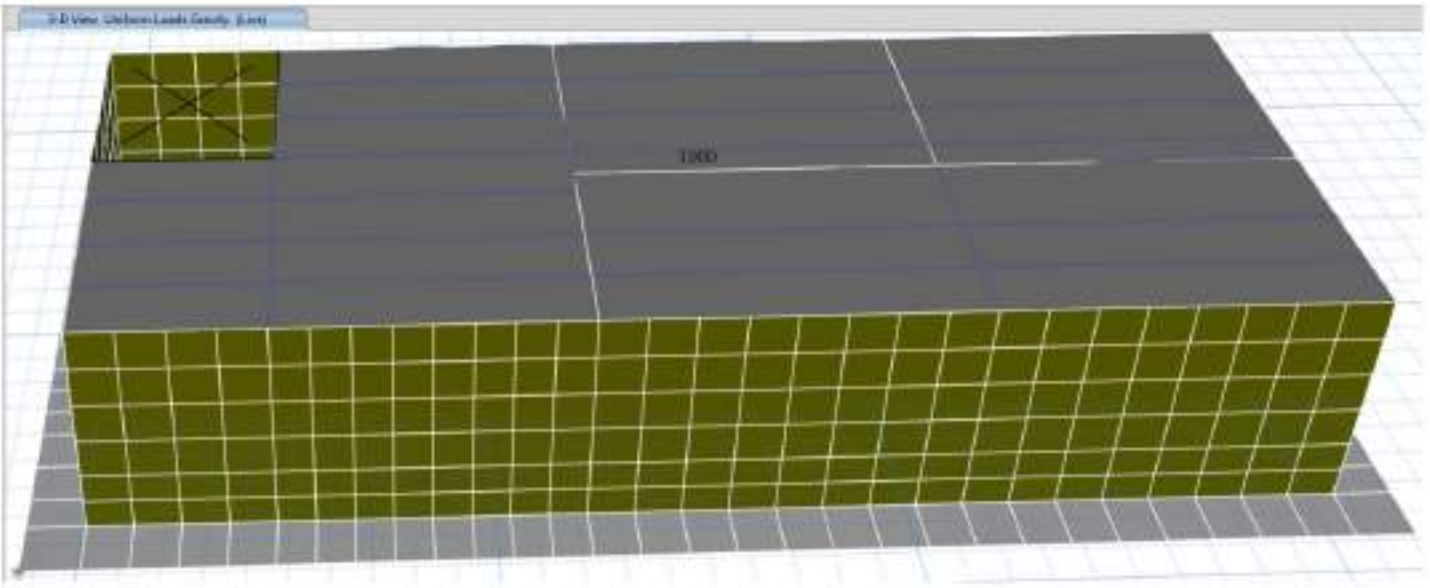


Figura 3. Carga viva sobre losa de entrepiso.

4.2 Frame Loads

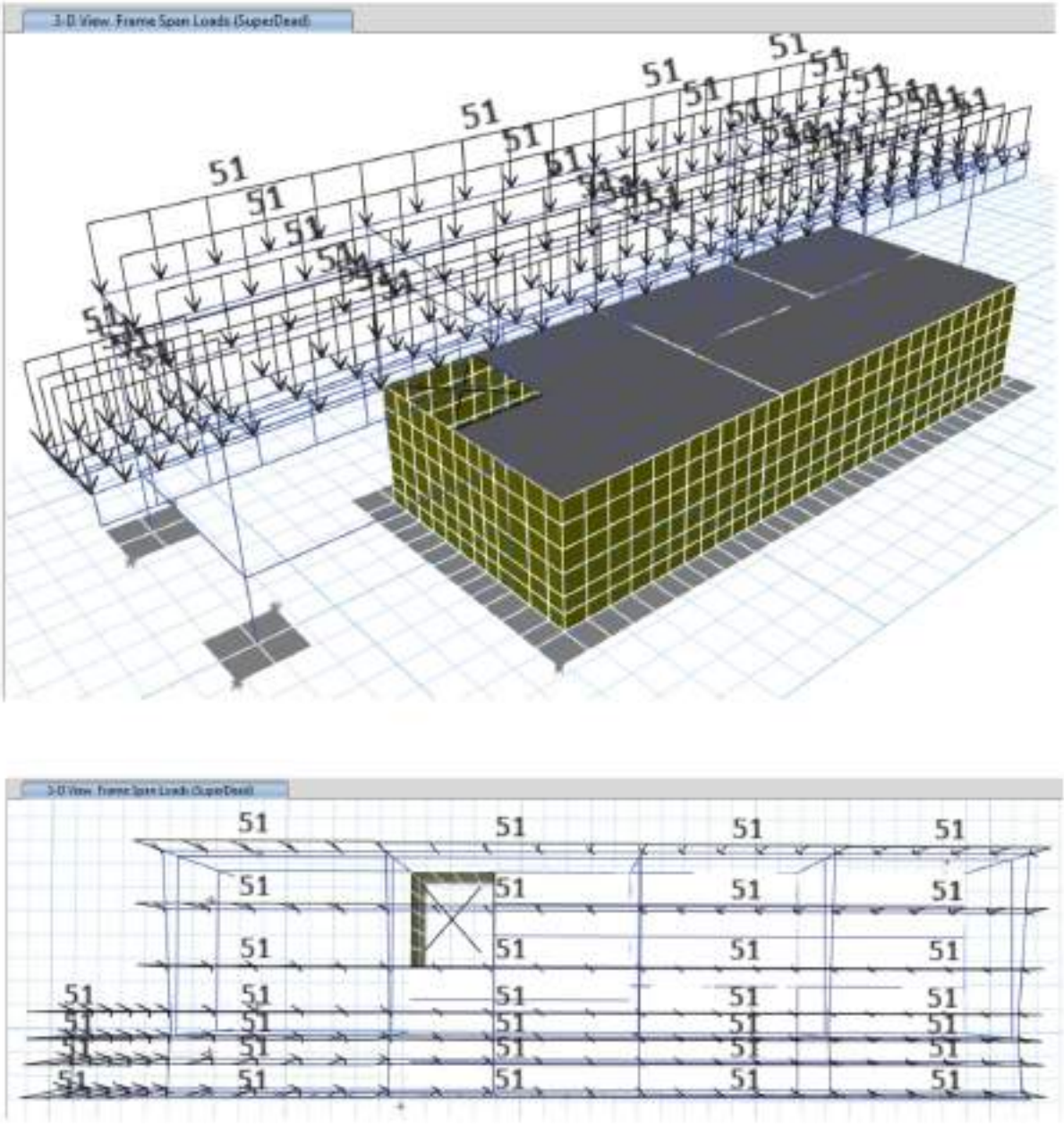


Figura 4. Carga sobreimpuesta sobre cubierta.

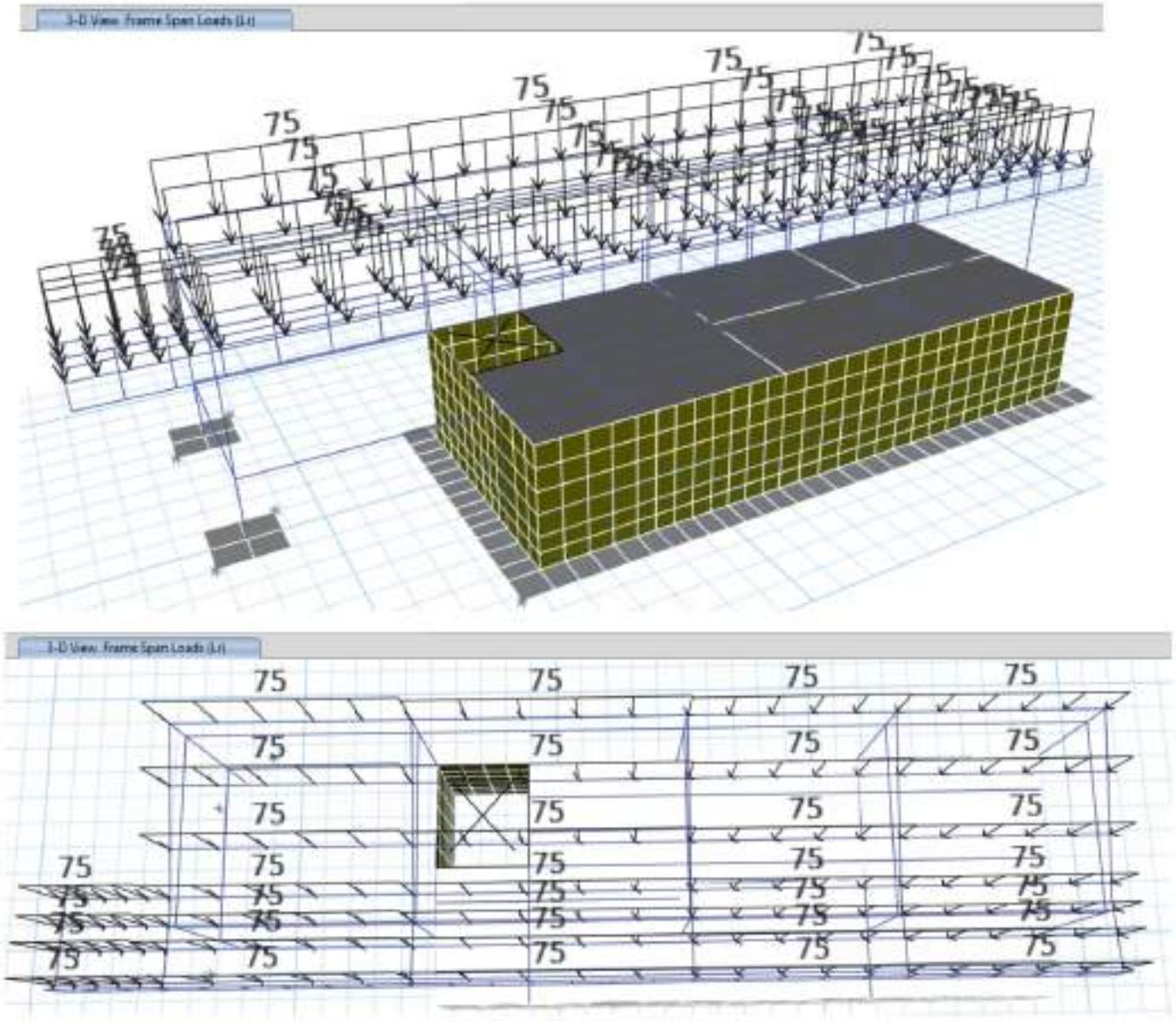


Figura 5. Carga viva sobre cubierta.

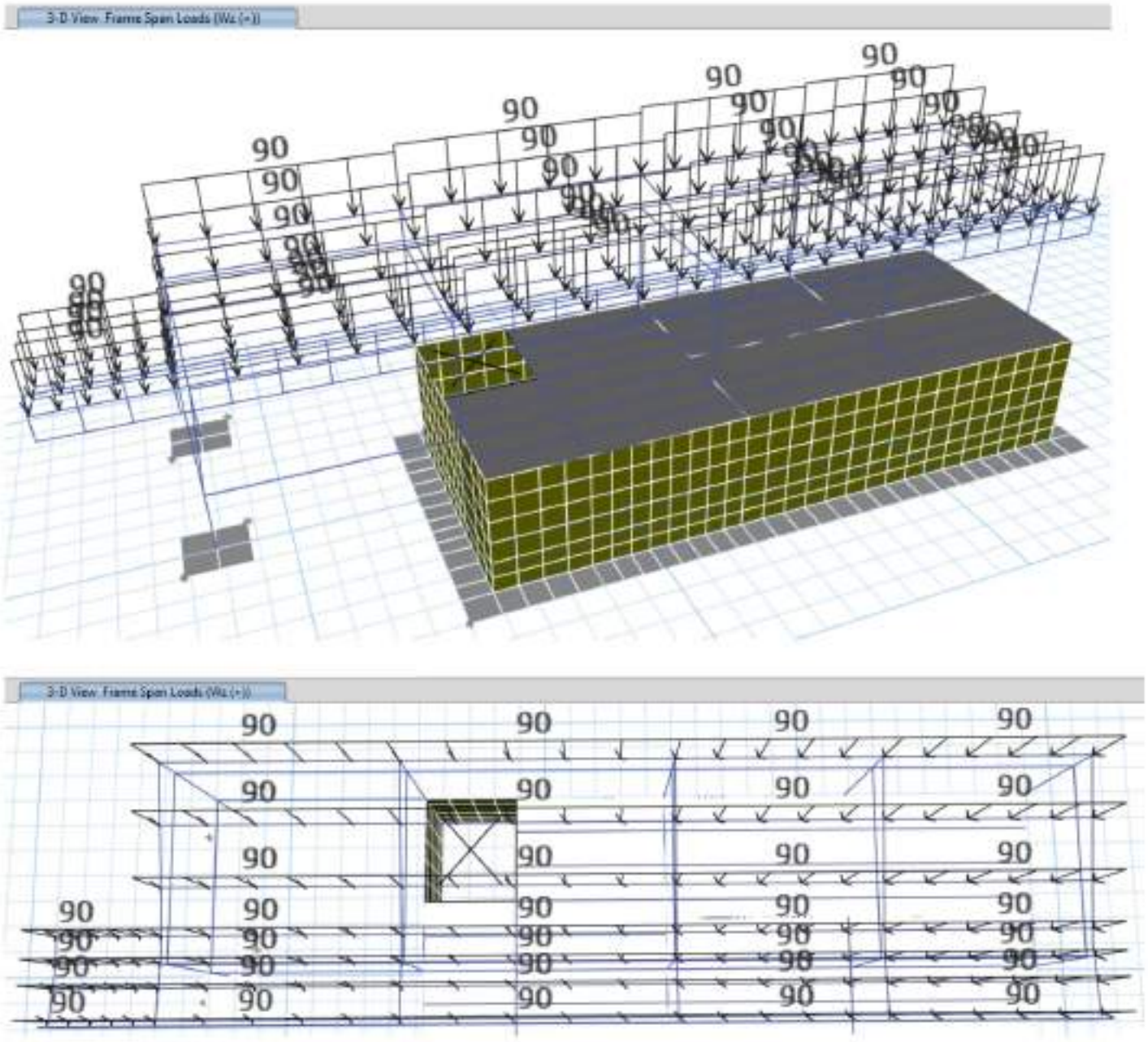


Figura 6. Carga de viento de compresión sobre cubierta.

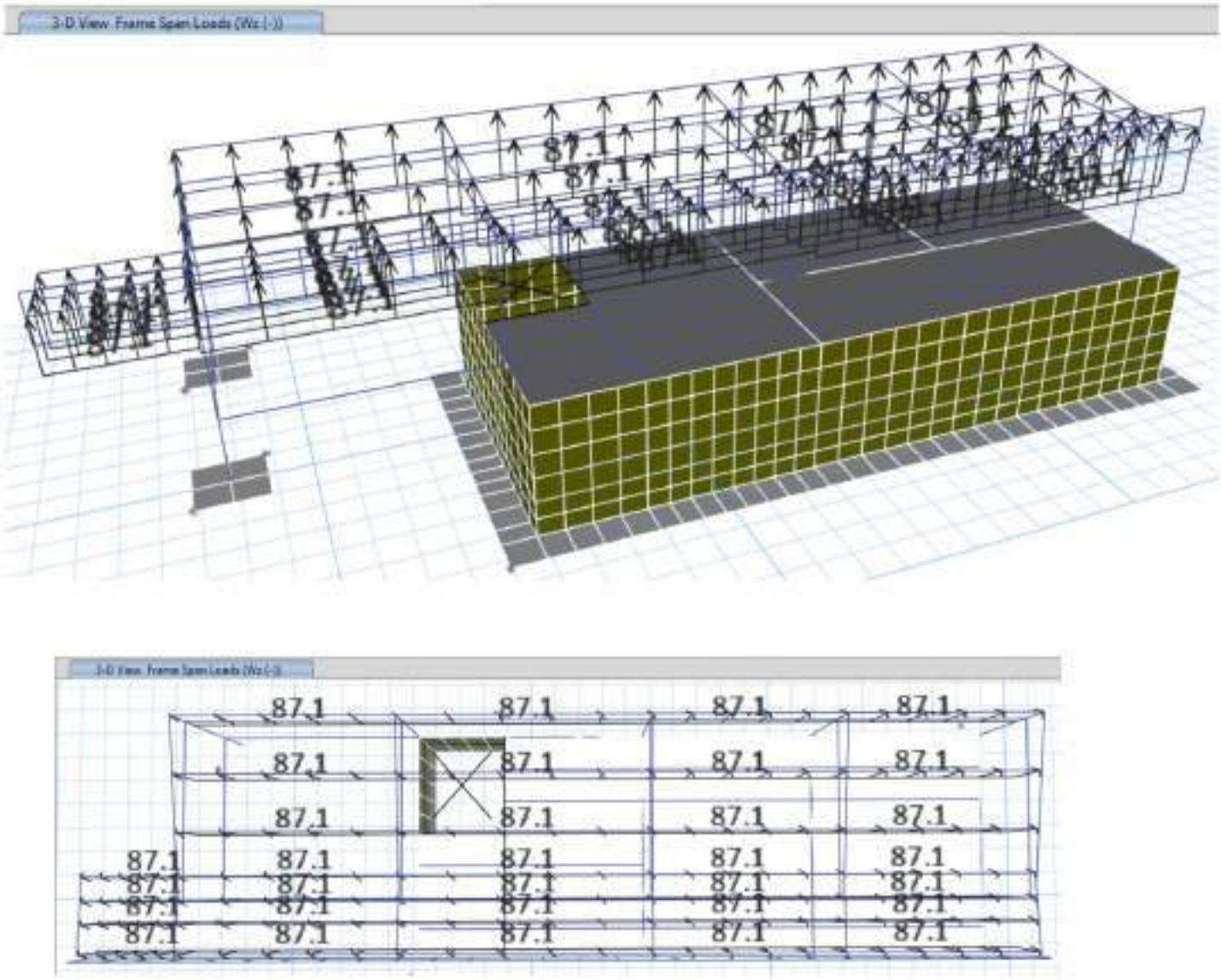


Figura 7. Carga de viento de succión sobre cubierta.

6 ANÁLISIS SÍSMICO

6.1 TIPO DE ANÁLISIS

El análisis sísmico realizado corresponde al método de Análisis Modal Elástico Espectral, según lo establecido en el Capítulo A.5.4 de la norma NSR-10. Para la excitación sísmica se utilizó el espectro de diseño definido en el Título A de dicha norma. En el modelo estructural, se asumieron diafragmas rígidos en las losas, considerando sus características de material, tipología y configuración geométrica.

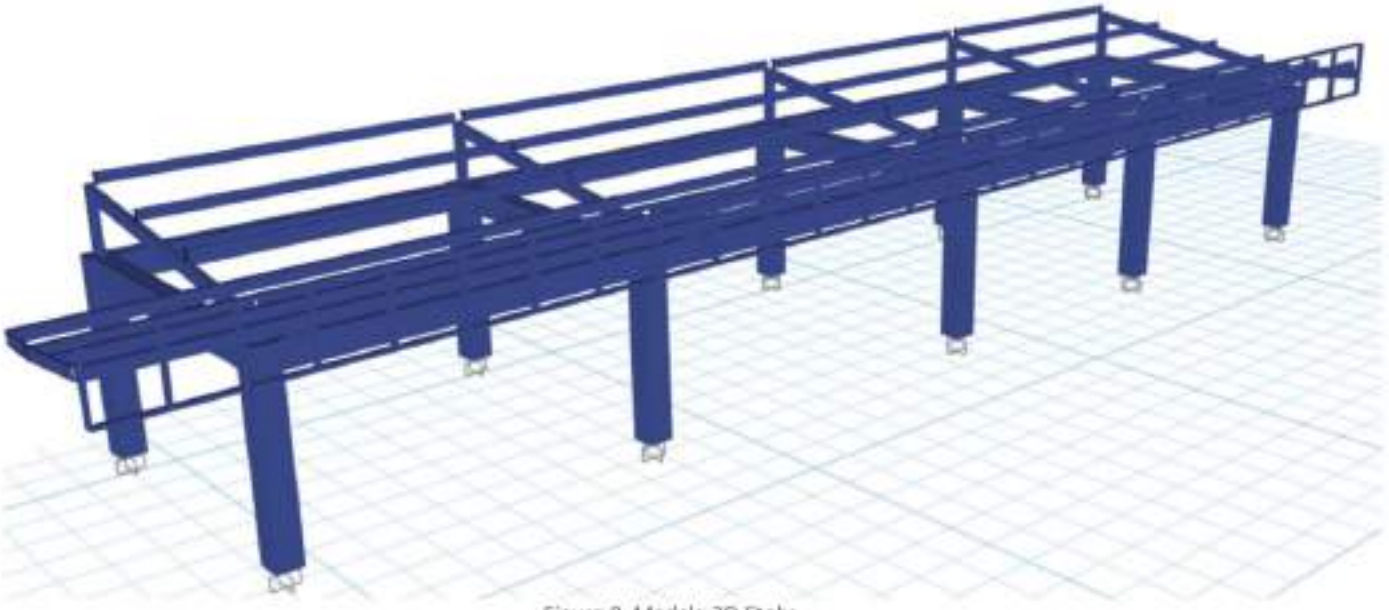


Figura 8. Modelo 3D Etabs

6.2 IRREGULARIDADES

La regularidad o irregularidad de la edificación, tanto en planta como en alzado, se define siguiendo los preceptos de las tablas A.3-6 y A.3-7 de la NSR-10, y su grado de redundancia o de ausencia de ella en el sistema estructural de resistencia sísmica, se define de acuerdo al literal A.3.3.8.