ESTUDIO TÉCNICO ACTUALIZADO PARA LA RESTAURACIÓN DEL ANTIGUO PALACIO MUNICIPAL (CASA DEL CORREGIDOR) MUNICIPIO DE SOGAMOSO.

PRESENTADO A:

SECRETARIA DE CULTURA
ALCALDIA DEL MUNICIPIO DE SOGAMOSO

COMPONENTE:

DISEÑO ESTRUCTURAL EDIFICACIÓN POSTERIOR

DIRECCIÓN: Carrera 9 No. 22 -55 Sogamoso, Boyacá
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TÍTULO DEL DOCUMENTO	DISEÑO ESTRUCTURAL EDIFICIO POSTERIOR
CONSULTOR Elaboración	Responsable: **ALVARO CABALLERO GUERRERO** Ingeniero Civil MsC
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REVISIÓN Y APROBACION	**Arq. Mauricio Izquierdo Rodríguez** Supervisor de la Secretaria de Cultura Municipio de Sogamoso, Boyacá

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DESCRIPCION DEL PROYECTO

A continuación, se presentan las memorias del diseño estructural del proyecto de construcción del antiguo Palacio Municipal, de las edificaciones posteriores que son completamente nuevas, el cual consta de una edificación de cuatro niveles con un área de construcción de 1.200 m2 aproximadamente, para que cumpla con las especificaciones establecidas por la ley 400 del 97 de Colombia (NSR-10), y demás normas vigentes.



Imagen No 1: Localización del Proyecto. Municipio de Sogamoso – Boyacá



Imagen No 2: Render de la proyección de la estructura propuesta

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1. INFORMACION GENERAL

3.1 ANTECEDENTES

De acuerdo con la visita técnica realizada, la edificación no presenta registros sobre la construcción, planimetría o algún tipo de memorial debido a la antigüedad de la misma y por los procesos nulos de la época.

3.2 NOMBRE DEL PROYECTO

La edificación objeto de estudio tienen como denominación “ESTUDIO TÉCNICO ACTUALIZADO PARA LA RESTAURACIÓN DEL ANTIGUO PALACIO MUNICIPAL (CASA DEL CORREGIDOR) MUNICIPIO DE SOGAMOSO”.



Fotografía. Fachada de Casa del Corregidor.

3.3 GENERALIDADES DE LA ESTRUCTURA

La fase documental proporcionó la información necesaria para indagar sobre el uso de la edificación, así como también la información obtenida de la interacción entre la edificación y su medio ambiente.

La situación actual demanda el reforzamiento estructural, según resultados de estudio de vulnerabilidad y debido a que la edificación fue construida con anterioridad al reglamento vigente a la fecha (NSR-10).

La estructura a reforzar corresponde a un bloque de fachada, los cuales poseen tres niveles respectivamente

3.4 ALCANCE DEL PROYECTO

El proyecto contempla la propuesta para realizar el reforzamiento de la edificación. Se utilizarán los requisitos dados en el titulo A de la norma NSR-10, en la parte de “Evaluación e intervención de edificaciones construidas antes de la vigencia del reglamento”, necesarios para llevar a cabo la evaluación del comportamiento sísmico luego de intervención, reparación o refuerzo de las estructuras en estudio.

Este informe abarca metodologías, cálculos, planos, especificaciones, conclusiones y recomendaciones, resultado del análisis realizado a la edificación de la casa del corregidor, cuyo contenido será anexado al presente informe.

1 SISTEMA ESTRUCTURAL Y PARÁMETROS DE DISEÑO

El sistema de resistencia utilizado, tanto sísmica como para cargas verticales, es el de pórtico en concreto resistente a momentos con capacidad de disipación de energía especial (DES) para un coeficiente de disipación de energía igual a 7.0 (De la tabla A.3-3 de la NSR 10), con irregularidad en planta (0.9) y en altura (0.9), teniendo presente la tipología de la edificación. Las cargas de las losas se transmiten a las vigas de carga y de estás a las columnas, y de las columnas las cargas se transmiten al sistema de cimentación planteado y de estas al suelo de cimentación.

Tabla A.3-3
Sistema estructural de pórtico resistente a momentos (Nota 1)

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
b. De acero (*DES*)	el mismo	**7.0** (Nota-3)	**3.0**	si	sin límite	si	sin límite	si	sin límite
c. Mixtos	Pórticos de acero o mixtos resistentes o no a momentos	**7.0**	**3.0**	si	sin límite	si	sin límite	si	sin límite
d. De acero con cerchas dúctiles (*DES*)	Pórticos de acero resistentes o no a momentos	**6.0**	**3.0**	si	30 m	si	45 m	si	sin límite
2. Pórticos resistentes a momentos con capacidad moderada de disipación de energía (*DMO*)									
a. De concreto (*DMO*)	el mismo	**5.0**	**3.0**	no se permite		si	sin límite	si	sin límite
b. De acero (*DMO*)	el mismo	**5.0** (Nota-3)	**3.0**	no se permite		si	sin límite	si	sin límite
c. Mixtos con conexiones rígidas (*DMO*)	Pórticos de acero o mixtos resistentes o no a momentos	**5.0**	**3.0**	no se permite		si	sin límite	si	sin límite
3. Pórticos resistentes a momentos con capacidad mínima de disipación de energía (*DMI*)									

DISEÑO ESTRUCTURAL

A las estructuras se le realizo el análisis sísmico cumpliendo con las especificaciones de la NSR 10, así como todos los cálculos estructurales. Para el análisis estructural se usaron los siguientes programas bajo las consideraciones de la norma Colombiana.

- EngSolutions RCB V9.1
- Módulo de losa NSR10. V 2.5
- Módulo Muros No estructurales V2.07
- Módulo de escaleras
- Módulo Fundaciones

Los materiales utilizados en el análisis son los siguientes:

- Concreto: 24 MPa (3.500 PSI) para todos los elementos de la vivienda.
- Acero de refuerzo: para diámetros menores o iguales a la barra de 1/4" Fy=240MPa. Y para diámetros mayores o iguales a la barra de 3/8" Fy=420MPa.
- Perfiles metálicos ASTM A-572 fy=350MPa, y A-36 (Láminas) fy=250 MPa
- Bloque de mampostería No estructural, resistencia de 5.0 MPa.

El diseño estructural se realizó con los pasos mostrados el capítulo A de la NSR 10, el cual indica el "*procedimiento de diseño y construcción*", específicamente en el artículo A.1.3.4 que hace parte del diseño estructural. Los pasos a seguir son los siguientes:

PASO 1: PRE DIMENSIONAMIENTO Y COORDINACIÓN CON LOS OTROS PROFESIONALES:

El sistema estructural a usar es el de pórtico en concreto reforzado. Las dimensiones se escogen de acuerdo a los parámetros mínimos que se indican en la NSR 10. Estas dimensiones se detallan en los planos estructurales.

Se propone columnas de 40cm x 40cm, de 40cm x 5cm y de Diámetros de 40cm y de 50 cm. La losa de los diferentes niveles se plantea Aligerada con vigas principales de 25 cm x 40 cm, de 30cm x 40cm y de 40cm x 40cm, y Viguetas de 15cm x 40 cm.

PASO 2: EVALUACIÓN DE LAS SOLICITACIONES DEFINITIVAS:

Con las dimensiones de los elementos de la estructura definida como resultado del paso número 1, se evalúan ahora todas las solicitaciones que pueden afectar la edificación de acuerdo a los requisitos del título B de la NSR 10. La masa de la edificación se determina con la carga muerta que se presenta en el avaluó de carga.

Company: AC INGENIERIA Engineer: ALVARO CABALLERO
Project: CASA CORREGIDOR - SOGAMOSO BLOQUE NUEVO 4:18:30 p. m. 4/05/2022
File: D:\RCB\EDIFICIO CORREDOR - SOGAMOSO\BLOQUES NUEVOS V4.0.rcb

GENERAL INPUT DATA

Structure type: Three-Dimensional Frame/Wall Structure
Number of Floor Grids . . . . = 1
Building total length . . . . = 22.12 m
Building total width . . . . . = 18.4 m

STORY INFORMATION

Number of Stories . . . . = 5
Total Frame Height . . . . = 13.15 m

Floor	Story Height	Grid No
1	4.85	1
2	2.80	1
3	1.80	1
4	1.00	1
5	2.70	1
6	-	1

* Story Height in (m)

STRUCTURAL GRID INFORMATION

GRID No 1

Grid Point	X	Y
A-1	0.00	0.00
B-1	0.06	3.11
C-1	0.09	4.99
D-1	0.12	6.96
E-1	0.18	10.06
F-1	0.26	14.73
G-1	0.27	17.88
B-1'	2.00	3.11
C-1'	2.00	4.99
A-2	3.22	0.00
B-2	3.22	3.11
C-2	3.22	4.99
D-2	3.22	6.96
E-2	3.22	10.06
F-2	3.22	14.73
G-2	3.22	18.00
A-3	5.14	0.00
B-3	5.14	3.11
C-3	5.14	4.99
D-3	5.14	6.96
E-3	5.14	10.06
F-3	5.14	14.73
G-3	5.14	18.00
A-4	7.24	0.00
B-4	7.24	3.11
C-4	7.24	4.99
D-4	7.24	6.96
E-4	7.24	10.06
E'-4	7.24	12.35
F-4	7.24	14.73
H-4	7.24	16.40
G-4	7.24	18.06
A-4a	7.39	0.00
A-4b	7.43	0.00
B-4a	7.39	3.11
B-4b	7.43	3.11
C-4b	7.43	4.99
C-4a	7.39	4.99
D-4a	7.39	6.96
D-4b	7.43	6.96
E-4a	7.39	10.06
E-4b	7.43	10.06
E'-4b	7.43	12.35
E'-4a	7.39	12.35
F-4a	7.39	14.73
F-4b	7.43	14.73
H-4a	7.39	16.40

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Project: CASA CORREGIDOR - SOGAMOSO BLOQUE NUEVO 4:18:30 p. m. 4/05/2022

Grid Point	X	Y
H-4b	7.43	16.40
G-4b	7.43	18.06
G-4a	7.39	18.06
A-5	7.63	0.00
B-5	7.63	3.11
C-5	7.63	4.99
D-5	7.63	6.96
E-5	7.63	10.06
E'-5	7.63	12.20
F-5	7.63	14.73
H-5	7.63	16.40
G-5	7.63	18.06
A-5a	14.62	0.00
B-5a	14.62	3.11
C-5a	14.62	4.99
D-5a	14.62	6.96
E-5a	14.62	10.06
E'-5a	14.62	12.20
F-5a	14.62	14.73
H-5a	14.62	16.49
G-5a	14.62	18.23
A-6	14.82	0.00
B-6	14.82	3.11
C-6	14.82	4.99
D-6	14.82	6.96
E-6	14.82	10.06
E'-6	14.82	12.28
F-6	14.82	14.73
H-6	14.82	16.49
G-6	14.82	18.23
A-6a	14.86	0.00
B-6a	14.86	3.11
C-6a	14.86	5.25
D-6a	14.86	6.96
E-6a	14.86	10.06
E'-6a	14.86	12.28
F-6a	14.86	14.73
H-6a	14.86	16.49
G-6a	14.86	18.23
A-7	15.01	0.00
B-7	15.01	3.11
C-7	15.01	4.99
D-7	15.01	6.96
E-7	15.01	10.06
E'-7	15.01	12.28
F-7	15.01	14.73
H-7	15.01	16.49
G-7	15.01	18.23
A-8	17.11	0.00
B-8	17.11	3.11
C-8	17.11	4.99
D-8	17.11	6.96
E-8	17.11	10.06
F-8	17.11	14.73
G-8	17.11	18.28
C-14	19.96	4.99
B-14	20.00	3.11
A-9	21.90	0.00
B-9	21.94	3.11
C-9	21.97	4.99
D-9	21.99	6.96
E-9	22.01	10.06
F-9	22.05	14.73
G-9	22.12	18.40

* Coordinates X & Y are in (m)

MATERIALS

Number of materials = 2

STRUCTURAL STEEL

Mat	Name	Fy Kg/cm2	Fbmaj Kg/cm2	Fbmin Kg/cm2	E Kg/cm2	G Kg/cm2	w Kg/m3
2	ASTM A50	3500	2310	2310	2030000	805000	7840.0

REINFORCED CONCRETE

Mat	Name	f'c Kg/cm2	fy Kg/cm2	fys1 Kg/cm2	fys2 Kg/cm2	E Kg/cm2	G Kg/cm2	w Kg/m3
1	3500 PSI	245	4200	4200	4200	218540	87430	2400.0

f'c: Compressive strength of concrete
fy: Yield strength of longitudinal reinforcement
fys1: Yiel strength of shear reinforcement, bar sizes <= 3/8"
fys2: Yiel strength of shear reinforcement, bar sizes > 3/8"

MEMBER DATA

Total number of members..... = 360
Number of columns..... = 115
Number of beams ..... = 245
Number of braces ..... = 0

COLUMN SECTIONS

Number of prismatic sections = 6

Sec	Name	Shape	b (cm)	h (cm)	tw (cm)	tf (cm)	P1 (cm)	P2 (cm)	A (cm2)	I2 (cm4)	I3 (cm4)	J (cm4)
1	50X40	Rectang	40.00	50.00	-	-	-	-	2000.0	416667	266667	529067
2	40X40	Rectang	40.00	40.00	-	-	-	-	1600.0	213333	213333	315733
3	ORDE DE MURO	Rectang	30.00	30.00	-	-	-	-	900.0	67500	67500	99900
4	D40cm	Oval	40.00	40.00	-	-	-	-	1257.0	125664	125664	251327
5	D=50CM	Oval	50.00	50.00	-	-	-	-	1963.0	306796	306796	613592
6	40X70	Rectang	70.00	40.00	-	-	-	-	2800.0	373333	1143333	955733

COLUMNS

Column	Story	L (m)	Lu (m)	a (m)	c (m)	Theta (o)	Sec -	Mat -	System -
G-9	1	4.85	4.53	0.00	0.33	90.0	6	1	G&L
F-9	5	2.70	2.30	0.08	0.33	90.0	1	1	G&L
F-9	3-4	2.80	2.40	0.08	0.33	90.0	1	1	G&L
F-9	2	2.80	2.40	0.08	0.33	90.0	1	1	G&L
F-9	1	4.85	4.53	0.00	0.33	90.0	1	1	G&L
E-9	5	2.70	2.30	0.08	0.33	90.0	1	1	G&L
E-9	3-4	2.80	2.40	0.08	0.33	90.0	1	1	G&L
E-9	2	2.80	2.40	0.08	0.33	90.0	1	1	G&L
E-9	1	4.85	4.53	0.00	0.33	90.0	1	1	G&L
D-9	5	2.70	2.30	0.08	0.33	90.0	1	1	G&L
D-9	3-4	2.80	2.40	0.08	0.33	90.0	1	1	G&L
D-9	2	2.80	2.40	0.08	0.33	90.0	1	1	G&L
D-9	1	4.85	4.53	0.00	0.33	90.0	1	1	G&L
B-9	5	2.70	2.30	0.08	0.33	90.0	1	1	G&L
B-9	4	1.00	0.60	0.08	0.33	90.0	1	1	G&L

Column	Story	L	Lu	a	c	Theta	Sec	Mat	System
B-9	3	1.80	1.40	0.08	0.33	90.0	1	1	G&L
B-9	2	2.80	2.40	0.08	0.33	90.0	1	1	G&L
B-9	1	4.85	4.53	0.00	0.33	90.0	1	1	G&L
A-9	5	2.70	2.38	0.00	0.33	90.0	1	1	G&L
A-9	4	1.00	0.93	0.08	0.00	90.0	1	1	G&L
A-9	2-3	4.60	4.20	0.08	0.33	90.0	1	1	G&L
A-9	1	4.85	4.53	0.00	0.33	90.0	1	1	G&L
G-8	5	2.70	2.30	0.08	0.33	90.0	2	1	G&L
G-8	3-4	2.80	2.40	0.08	0.33	90.0	2	1	G&L
G-8	2	2.80	2.40	0.08	0.33	90.0	2	1	G&L
G-8	1	4.85	4.53	0.00	0.33	90.0	2	1	G&L
F-8	5	2.70	2.30	0.08	0.33	90.0	1	1	G&L
F-8	3-4	2.80	2.40	0.08	0.33	90.0	1	1	G&L
F-8	2	2.80	2.40	0.08	0.33	90.0	1	1	G&L
F-8	1	4.85	4.53	0.00	0.33	90.0	1	1	G&L
E-8	5	2.70	2.30	0.08	0.33	90.0	5	1	G&L
E-8	3-4	2.80	2.40	0.08	0.33	90.0	5	1	G&L
E-8	2	2.80	2.40	0.08	0.33	90.0	5	1	G&L
E-8	1	4.85	4.53	0.00	0.33	90.0	5	1	G&L
D-8	5	2.70	2.30	0.08	0.33	90.0	5	1	G&L
D-8	3-4	2.80	2.40	0.08	0.33	90.0	5	1	G&L
D-8	2	2.80	2.40	0.08	0.33	90.0	5	1	G&L
D-8	1	4.85	4.53	0.00	0.33	90.0	5	1	G&L
B-8	5	2.70	2.30	0.08	0.33	90.0	1	1	G&L
B-8	4	1.00	0.60	0.08	0.33	90.0	1	1	G&L
B-8	3	1.80	1.40	0.08	0.33	90.0	1	1	G&L
B-8	2	2.80	2.40	0.08	0.33	90.0	1	1	G&L
B-8	1	4.85	4.53	0.00	0.33	90.0	1	1	G&L
A-8	5	2.70	2.38	0.00	0.33	90.0	1	1	G&L
A-8	4	1.00	0.93	0.08	0.00	90.0	1	1	G&L
A-8	2-3	4.60	4.20	0.08	0.33	90.0	1	1	G&L
A-8	1	4.85	4.53	0.00	0.33	90.0	1	1	G&L
D-7	5	2.70	2.32	0.08	0.31	90.0	5	1	G&L
D-7	3-4	2.80	2.40	0.08	0.33	90.0	5	1	G&L
D-7	2	2.80	2.40	0.08	0.33	90.0	5	1	G&L
D-7	1	4.85	4.53	0.00	0.33	90.0	5	1	G&L
C-7	5	2.70	2.32	0.08	0.31	90.0	5	1	G&L
C-7	3-4	2.80	2.40	0.08	0.33	90.0	5	1	G&L
C-7	2	2.80	2.40	0.08	0.33	90.0	5	1	G&L
C-7	1	4.85	4.53	0.00	0.33	90.0	5	1	G&L
G-5a	1	4.85	4.53	0.00	0.33	90.0	2	1	G&L
F-5a	1	4.85	4.53	0.00	0.33	90.0	4	1	G&L
G-5	1	4.85	4.53	0.00	0.33	90.0	2	1	G&L
F-5	1	4.85	4.53	0.00	0.33	90.0	4	1	G&L
D-4	5	2.70	2.32	0.08	0.31	90.0	5	1	G&L
D-4	3-4	2.80	2.40	0.08	0.33	90.0	5	1	G&L
D-4	2	2.80	2.40	0.08	0.33	90.0	5	1	G&L
D-4	1	4.85	4.53	0.00	0.33	90.0	5	1	G&L
C-4	5	2.70	2.32	0.08	0.31	90.0	5	1	G&L
C-4	3-4	2.80	2.40	0.08	0.33	90.0	5	1	G&L
C-4	2	2.80	2.40	0.08	0.33	90.0	5	1	G&L
C-4	1	4.85	4.53	0.00	0.33	90.0	5	1	G&L
G-3	5	2.70	2.30	0.08	0.33	90.0	2	1	G&L
G-3	3-4	2.80	2.40	0.08	0.33	90.0	2	1	G&L
G-3	2	2.80	2.40	0.08	0.33	90.0	2	1	G&L
G-3	1	4.85	4.53	0.00	0.33	90.0	2	1	G&L
F-3	5	2.70	2.30	0.08	0.33	90.0	1	1	G&L
F-3	3-4	2.80	2.40	0.08	0.33	90.0	1	1	G&L
F-3	2	2.80	2.40	0.08	0.33	90.0	1	1	G&L
F-3	1	4.85	4.53	0.00	0.33	90.0	1	1	G&L

Column	Story	L	Lu	a	c	Theta	Sec	Mat	System
E-3	5	2.70	2.30	0.08	0.33	90.0	1	1	G&L
E-3	3-4	2.80	2.40	0.08	0.33	90.0	1	1	G&L
E-3	2	2.80	2.40	0.08	0.33	90.0	1	1	G&L
E-3	1	4.85	4.53	0.00	0.33	90.0	1	1	G&L
D-3	5	2.70	2.30	0.08	0.33	90.0	1	1	G&L
D-3	4	1.00	0.68	0.00	0.33	90.0	1	1	G&L
D-3	3	1.80	1.73	0.08	0.00	90.0	1	1	G&L
D-3	2	2.80	2.40	0.08	0.33	90.0	1	1	G&L
D-3	1	4.85	4.53	0.00	0.33	90.0	1	1	G&L
B-3	5	2.70	2.30	0.08	0.33	90.0	1	1	G&L
B-3	4	1.00	0.60	0.08	0.33	90.0	1	1	G&L
B-3	3	1.80	1.40	0.08	0.33	90.0	1	1	G&L
B-3	2	2.80	2.40	0.08	0.33	90.0	1	1	G&L
B-3	1	4.85	4.53	0.00	0.33	90.0	1	1	G&L
A-3	5	2.70	2.38	0.00	0.33	90.0	1	1	G&L
A-3	4	1.00	0.93	0.08	0.00	90.0	1	1	G&L
A-3	2-3	4.60	4.20	0.08	0.33	90.0	1	1	G&L
A-3	1	4.85	4.53	0.00	0.33	90.0	1	1	G&L
G-1	1	4.85	4.53	0.00	0.33	90.0	2	1	G&L
F-1	5	2.70	2.30	0.08	0.33	90.0	1	1	G&L
F-1	3-4	2.80	2.40	0.08	0.33	90.0	1	1	G&L
F-1	2	2.80	2.40	0.08	0.33	90.0	1	1	G&L
F-1	1	4.85	4.53	0.00	0.33	90.0	1	1	G&L
E-1	5	2.70	2.30	0.08	0.33	90.0	1	1	G&L
E-1	3-4	2.80	2.40	0.08	0.33	90.0	1	1	G&L
E-1	2	2.80	2.40	0.08	0.33	90.0	1	1	G&L
E-1	1	4.85	4.53	0.00	0.33	90.0	1	1	G&L
D-1	5	2.70	2.30	0.08	0.33	90.0	1	1	G&L
D-1	3-4	2.80	2.40	0.08	0.33	90.0	1	1	G&L
D-1	2	2.80	2.40	0.08	0.33	90.0	1	1	G&L
D-1	1	4.85	4.53	0.00	0.33	90.0	1	1	G&L
B-1	5	2.70	2.30	0.08	0.33	90.0	1	1	G&L
B-1	4	1.00	0.60	0.08	0.33	90.0	1	1	G&L
B-1	3	1.80	1.40	0.08	0.33	90.0	1	1	G&L
B-1	2	2.80	2.40	0.08	0.33	90.0	1	1	G&L
B-1	1	4.85	4.53	0.00	0.33	90.0	1	1	G&L
A-1	5	2.70	2.38	0.00	0.33	90.0	1	1	G&L
A-1	4	1.00	0.93	0.08	0.00	90.0	1	1	G&L
A-1	2-3	4.60	4.20	0.08	0.33	90.0	1	1	G&L
A-1	1	4.85	4.53	0.00	0.33	90.0	1	1	G&L

BEAM SECTIONS

Number of prismatic sections = 6

Sec	Name	Shape	b (cm)	h (cm)	tw (cm)	tf (cm)	P1 (cm)	P2 (cm)	A (cm2)	I2 (cm4)	I3 (cm4)	J (cm4)
1	40X40	Rectang	40.00	40.00	-	-	-	-	1600.0	213333	213333	315733
2	25X40	Rectang	25.00	40.00	-	-	-	-	1000.0	133333	52083	126302
3	30X40	Rectang	30.00	40.00	-	-	-	-	1200.0	160000	90000	189900
4	IPE-360	I	17.00	36.00	0.80	1.27	0.00	-	70.0	15524	1041	29
5	IPE-330	I	16.00	33.00	0.75	1.15	0.00	-	59.8	11145	786	21
6	IPE-400	I	18.00	40.00	0.86	1.35	0.00	-	80.7	21876	1314	37

BEAMS

Beam	Floor	L (m)	Lu (m)	a (m)	c (m)	Sec -	Mat -	System -
A(1-3)	2	5.14	4.64	0.25	0.25	1	1	G&L
A(3-4)	2	2.10	1.85	0.25	0.00	1	1	G&L
A(7-8)	2	2.10	1.85	0.00	0.25	1	1	G&L

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Beam	Floor	L	Lu	a	c	Sec	Mat	System
A(8-9)	2	4.79	4.29	0.25	0.25	1	1	G&L
B(1-3)	2	5.08	4.58	0.25	0.25	1	1	G&L
B(3-4)	2	2.10	1.73	0.25	0.13	1	1	G&L
B(7-8)	2	2.10	1.73	0.13	0.25	1	1	G&L
B(8-9)	2	4.83	4.33	0.25	0.25	1	1	G&L
C(1-2)	2	3.13	2.93	0.20	0.00	2	1	G&L
C(2-3)	2	1.92	1.92	0.00	0.00	2	1	G&L
C(3-4)	2	2.10	1.85	0.00	0.25	2	1	G&L
C(4-4a)	2	1.00	0.75	0.25	0.00	1	1	G&L
C(7-8)	2	2.10	1.65	0.25	0.20	3	1	G&L
C(8-9)	2	4.86	4.46	0.20	0.20	3	1	G&L
D(1-2)	2	3.10	2.85	0.25	0.00	1	1	G&L
D(2-3)	2	1.92	1.67	0.00	0.25	1	1	G&L
D(3-4)	2	2.10	1.60	0.25	0.25	1	1	G&L
D(4-4a)	2	1.00	0.75	0.25	0.00	1	1	G&L
D(7-8)	2	2.10	1.60	0.25	0.25	1	1	G&L
D(8-9)	2	4.88	4.38	0.25	0.25	1	1	G&L
E(1-3)	2	4.96	4.46	0.25	0.25	1	1	G&L
E(3-4)	2	2.10	1.85	0.25	0.00	1	1	G&L
E(7-8)	2	2.10	1.85	0.00	0.25	1	1	G&L
E(8-9)	2	4.90	4.40	0.25	0.25	1	1	G&L
F(1-3)	2	4.88	4.38	0.25	0.25	1	1	G&L
F(3-4)	2	2.10	1.85	0.25	0.00	1	1	G&L
F(5-5a)	2	6.99	6.59	0.20	0.20	1	1	G&L
F(7-8)	2	2.10	1.85	0.00	0.25	1	1	G&L
F(8-9)	2	4.94	4.44	0.25	0.25	1	1	G&L
G(1-3)	2	4.87	4.47	0.20	0.20	1	1	G&L
G(3-4)	2	2.10	1.90	0.20	0.00	1	1	G&L
G(5-5a)	2	6.99	6.59	0.20	0.20	1	1	G&L
G(7-8)	2	2.10	1.90	0.00	0.20	1	1	G&L
G(8-9)	2	5.01	4.61	0.20	0.20	1	1	G&L
B(1'-3)	3	2.84	2.59	0.00	0.25	1	1	G&L
B(3-4)	3	2.10	1.65	0.25	0.20	1	1	G&L
B(7-8)	3	2.10	1.65	0.20	0.25	1	1	G&L
B(8-14)	3	2.90	2.65	0.25	0.00	1	1	G&L
C(1-2)	3	3.13	2.93	0.20	0.00	2	1	G&L
C(2-3)	3	1.92	1.92	0.00	0.00	2	1	G&L
C(3-4)	3	2.10	1.85	0.00	0.25	3	1	G&L
C(4-4a)	3	2.54	2.29	0.25	0.00	3	1	G&L
C(6-7)	3	2.31	2.06	0.00	0.25	3	1	G&L
C(7-8)	3	2.10	1.65	0.25	0.20	3	1	G&L
C(8-9)	3	4.86	4.46	0.20	0.20	3	1	G&L
D(1-2)	3	3.10	2.85	0.25	0.00	1	1	G&L
D(2-3)	3	1.92	1.67	0.00	0.25	1	1	G&L
D(3-4)	3	2.10	1.60	0.25	0.25	1	1	G&L
D(4-4a)	3	2.54	2.29	0.25	0.00	1	1	G&L
D(6-7)	3	2.31	2.06	0.00	0.25	1	1	G&L
D(7-8)	3	2.10	1.60	0.25	0.25	1	1	G&L
D(8-9)	3	4.88	4.38	0.25	0.25	1	1	G&L
E(1-3)	3	4.96	4.46	0.25	0.25	1	1	G&L
E(3-4)	3	2.10	1.85	0.25	0.00	1	1	G&L
E(7-8)	3	2.10	1.85	0.00	0.25	1	1	G&L
E(8-9)	3	4.90	4.40	0.25	0.25	1	1	G&L
F(1-3)	3	4.88	4.38	0.25	0.25	1	1	G&L
F(8-9)	3	4.94	4.44	0.25	0.25	1	1	G&L
A(1-3)	4	5.14	4.64	0.25	0.25	1	1	G&L
A(3-4)	4	2.10	1.85	0.25	0.00	1	1	G&L
A(7-8)	4	2.10	1.85	0.00	0.25	1	1	G&L
A(8-9)	4	4.79	4.29	0.25	0.25	1	1	G&L
B(1-3)	4	5.08	4.58	0.25	0.25	1	1	G&L
B(3-4)	4	2.10	1.85	0.25	0.00	1	1	G&L
B(7-8)	4	2.10	1.85	0.00	0.25	1	1	G&L
B(8-9)	4	4.83	4.33	0.25	0.25	1	1	G&L
B(1-3)	5	5.08	4.58	0.25	0.25	1	1	G&L
B(3-4)	5	2.10	1.73	0.25	0.13	1	1	G&L
B(7-8)	5	2.10	1.73	0.13	0.25	1	1	G&L
B(8-9)	5	4.83	4.33	0.25	0.25	1	1	G&L
C(1-2)	5	3.13	2.93	0.20	0.00	2	1	G&L
C(2-3)	5	1.92	1.92	0.00	0.00	2	1	G&L
C(3-4)	5	2.10	1.85	0.00	0.25	2	1	G&L
C(4-4a)	5	2.54	2.29	0.25	0.00	3	1	G&L
C(6-7)	5	2.31	2.06	0.00	0.25	3	1	G&L
C(7-8)	5	2.10	1.65	0.25	0.20	3	1	G&L
C(8-9)	5	4.86	4.46	0.20	0.20	3	1	G&L
D(1-2)	5	3.10	2.85	0.25	0.00	1	1	G&L

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Beam	Floor	L	Lu	a	c	Sec	Mat	System
D(2-3)	5	1.92	1.67	0.00	0.25	1	1	G&L
D(3-4)	5	2.10	1.60	0.25	0.25	1	1	G&L
D(4-4a)	5	2.54	2.29	0.25	0.00	1	1	G&L
D(6-7)	5	2.31	2.06	0.00	0.25	1	1	G&L
D(7-8)	5	2.10	1.60	0.25	0.25	1	1	G&L
D(8-9)	5	4.88	4.38	0.25	0.25	1	1	G&L
E(1-3)	5	4.96	4.46	0.25	0.25	1	1	G&L
E(3-4)	5	2.10	1.85	0.25	0.00	1	1	G&L
E(7-8)	5	2.10	1.85	0.00	0.25	1	1	G&L
E(8-9)	5	4.90	4.40	0.25	0.25	1	1	G&L
F(1-3)	5	4.88	4.38	0.25	0.25	1	1	G&L
F(8-9)	5	4.94	4.44	0.25	0.25	1	1	G&L
A(1-3)	6	5.14	4.64	0.25	0.25	1	1	G&L
A(3-4)	6	2.10	1.70	0.25	0.15	1	1	G&L
A(4-7)	6	7.77	7.47	0.15	0.15	5	2	G&L
A(7-8)	6	2.10	1.70	0.15	0.25	1	1	G&L
A(8-9)	6	4.79	4.29	0.25	0.25	1	1	G&L
B(1-3)	6	5.08	4.58	0.25	0.25	1	1	G&L
B(3-4)	6	2.10	1.70	0.25	0.15	1	1	G&L
B(4-7)	6	7.77	7.47	0.15	0.15	5	2	G&L
B(7-8)	6	2.10	1.70	0.15	0.25	1	1	G&L
B(8-9)	6	4.83	4.33	0.25	0.25	1	1	G&L
C(1-2)	6	3.13	2.93	0.20	0.00	2	1	G&L
C(2-3)	6	1.92	1.92	0.00	0.00	2	1	G&L
C(3-4)	6	2.10	1.85	0.00	0.25	2	1	G&L
C(4-7)	6	7.77	7.27	0.25	0.25	5	2	G&L
C(7-8)	6	2.10	1.65	0.25	0.20	3	1	G&L
C(8-9)	6	4.86	4.46	0.20	0.20	3	1	G&L
D(1-2)	6	3.10	2.85	0.25	0.00	1	1	G&L
D(2-3)	6	1.92	1.67	0.00	0.25	1	1	G&L
D(3-4)	6	2.10	1.60	0.25	0.25	1	1	G&L
D(4-7)	6	7.77	7.27	0.25	0.25	5	2	G&L
D(7-8)	6	2.10	1.60	0.25	0.25	1	1	G&L
D(8-9)	6	4.88	4.38	0.25	0.25	1	1	G&L
E(1-3)	6	4.96	4.46	0.25	0.25	1	1	G&L
E(3-4)	6	2.10	1.70	0.25	0.15	1	1	G&L
E(4-7)	6	7.77	7.47	0.15	0.15	5	2	G&L
E(7-8)	6	2.10	1.70	0.15	0.25	1	1	G&L
E(8-9)	6	4.90	4.40	0.25	0.25	1	1	G&L
E'(4-7)	6	7.77	7.47	0.15	0.15	5	2	G&L
F(1-3)	6	4.88	4.38	0.25	0.25	1	1	G&L
F(3-4)	6	2.10	1.70	0.25	0.15	1	1	G&L
F(4-7)	6	7.77	7.47	0.15	0.15	5	2	G&L
F(7-8)	6	2.10	1.70	0.15	0.25	1	1	G&L
F(8-9)	6	4.94	4.44	0.25	0.25	1	1	G&L
H(4-7)	6	7.77	7.47	0.15	0.15	5	2	G&L
G(3-4)	6	2.10	1.75	0.20	0.15	1	1	G&L
G(4-7)	6	7.77	7.47	0.15	0.15	5	2	G&L
G(7-8)	6	2.10	1.75	0.15	0.20	1	1	G&L
1(A-B)	2	3.11	2.71	0.20	0.20	1	1	G&L
1(B-C)	2	1.88	1.56	0.20	0.13	1	1	G&L
1(C-D)	2	1.97	1.65	0.13	0.20	1	1	G&L
1(D-E)	2	3.10	2.70	0.20	0.20	1	1	G&L
1(E-F)	2	4.67	4.27	0.20	0.20	1	1	G&L
1(F-G)	2	3.15	2.75	0.20	0.20	1	1	G&L
3(A-B)	2	3.11	2.71	0.20	0.20	1	1	G&L
3(B-C)	2	1.88	1.68	0.20	0.00	1	1	G&L
3(C-D)	2	1.97	1.77	0.00	0.20	1	1	G&L
3(D-E)	2	3.10	2.70	0.20	0.20	1	1	G&L
3(E-F)	2	4.67	4.27	0.20	0.20	1	1	G&L
3(F-G)	2	3.27	2.87	0.20	0.20	1	1	G&L
4(B-C)	2	1.88	1.43	0.20	0.25	2	1	G&L
4(C-D)	2	1.97	1.47	0.25	0.25	2	1	G&L
5(E'-F)	2	2.53	2.33	0.00	0.20	1	1	G&L
5(F-G)	2	3.33	2.93	0.20	0.20	1	1	G&L
5a(E'-F)	2	2.53	2.33	0.00	0.20	1	1	G&L
5a(F-G)	2	3.50	3.10	0.20	0.20	1	1	G&L
7(B-C)	2	1.88	1.43	0.20	0.25	2	1	G&L
7(C-D)	2	1.97	1.47	0.25	0.25	2	1	G&L
8(A-B)	2	3.11	2.71	0.20	0.20	1	1	G&L
8(B-C)	2	1.88	1.53	0.20	0.15	1	1	G&L
8(C-D)	2	1.97	1.57	0.15	0.25	1	1	G&L
8(D-E)	2	3.10	2.60	0.25	0.25	1	1	G&L
8(E-F)	2	4.67	4.22	0.25	0.20	1	1	G&L
8(F-G)	2	3.55	3.15	0.20	0.20	1	1	G&L
9(A-B)	2	3.11	2.71	0.20	0.20	1	1	G&L

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Beam	Floor	L	Lu	a	c	Sec	Mat	System
9(B-C)	2	1.88	1.53	0.20	0.15	1	1	G&L
9(C-D)	2	1.97	1.62	0.15	0.20	1	1	G&L
9(D-E)	2	3.10	2.70	0.20	0.20	1	1	G&L
9(E-F)	2	4.67	4.27	0.20	0.20	1	1	G&L
9(F-G)	2	3.67	3.12	0.20	0.35	1	1	G&L
1(B-C)	3	1.88	1.56	0.20	0.13	1	1	G&L
1(C-D)	3	1.97	1.65	0.13	0.20	1	1	G&L
1(D-E)	3	3.10	2.70	0.20	0.20	1	1	G&L
1(E-F)	3	4.67	4.27	0.20	0.20	1	1	G&L
3(B-C)	3	1.88	1.68	0.20	0.00	1	1	G&L
3(C-D)	3	1.97	1.77	0.00	0.20	1	1	G&L
3(D-E)	3	3.10	2.70	0.20	0.20	1	1	G&L
3(E-F)	3	4.67	4.27	0.20	0.20	1	1	G&L
3(F-G)	3	3.27	2.87	0.20	0.20	1	1	G&L
4(B-C)	3	1.88	1.43	0.20	0.25	1	1	G&L
4(C-D)	3	1.97	1.47	0.25	0.25	1	1	G&L
7(B-C)	3	1.88	1.43	0.20	0.25	1	1	G&L
7(C-D)	3	1.97	1.47	0.25	0.25	1	1	G&L
8(B-C)	3	1.88	1.53	0.20	0.15	1	1	G&L
8(C-D)	3	1.97	1.57	0.15	0.25	1	1	G&L
8(D-E)	3	3.10	2.60	0.25	0.25	1	1	G&L
8(E-F)	3	4.67	4.22	0.25	0.20	1	1	G&L
8(F-G)	3	3.55	3.15	0.20	0.20	1	1	G&L
9(B-C)	3	1.88	1.53	0.20	0.15	1	1	G&L
9(C-D)	3	1.97	1.62	0.15	0.20	1	1	G&L
9(D-E)	3	3.10	2.70	0.20	0.20	1	1	G&L
9(E-F)	3	4.67	4.27	0.20	0.20	1	1	G&L
1(A-B)	4	3.11	2.71	0.20	0.20	1	1	G&L
3(A-B)	4	3.11	2.71	0.20	0.20	1	1	G&L
8(A-B)	4	3.11	2.71	0.20	0.20	1	1	G&L
9(A-B)	4	3.11	2.71	0.20	0.20	1	1	G&L
1(B-C)	5	1.88	1.56	0.20	0.13	1	1	G&L
1(C-D)	5	1.97	1.65	0.13	0.20	1	1	G&L
1(D-E)	5	3.10	2.70	0.20	0.20	1	1	G&L
1(E-F)	5	4.67	4.27	0.20	0.20	1	1	G&L
3(B-C)	5	1.88	1.68	0.20	0.00	1	1	G&L
3(C-D)	5	1.97	1.77	0.00	0.20	1	1	G&L
3(D-E)	5	3.10	2.70	0.20	0.20	1	1	G&L
3(E-F)	5	4.67	4.27	0.20	0.20	1	1	G&L
3(F-G)	5	3.27	2.87	0.20	0.20	1	1	G&L
4(B-C)	5	1.88	1.43	0.20	0.25	2	1	G&L
4(C-D)	5	1.97	1.47	0.25	0.25	2	1	G&L
7(B-C)	5	1.88	1.43	0.20	0.25	2	1	G&L
7(C-D)	5	1.97	1.47	0.25	0.25	2	1	G&L
8(B-C)	5	1.88	1.53	0.20	0.15	1	1	G&L
8(C-D)	5	1.97	1.57	0.15	0.25	1	1	G&L
8(D-E)	5	3.10	2.60	0.25	0.25	1	1	G&L
8(E-F)	5	4.67	4.22	0.25	0.20	1	1	G&L
8(F-G)	5	3.55	3.15	0.20	0.20	1	1	G&L
9(B-C)	5	1.88	1.53	0.20	0.15	1	1	G&L
9(C-D)	5	1.97	1.62	0.15	0.20	1	1	G&L
9(D-E)	5	3.10	2.70	0.20	0.20	1	1	G&L
9(E-F)	5	4.67	4.27	0.20	0.20	1	1	G&L
1(A-B)	6	3.11	2.71	0.20	0.20	1	1	G&L
1(B-C)	6	1.88	1.56	0.20	0.13	1	1	G&L
1(C-D)	6	1.97	1.65	0.13	0.20	1	1	G&L
1(D-E)	6	3.10	2.70	0.20	0.20	1	1	G&L
1(E-F)	6	4.67	4.27	0.20	0.20	1	1	G&L
3(A-B)	6	3.11	2.71	0.20	0.20	1	1	G&L
3(B-C)	6	1.88	1.68	0.20	0.00	1	1	G&L
3(C-D)	6	1.97	1.77	0.00	0.20	1	1	G&L
3(D-E)	6	3.10	2.70	0.20	0.20	1	1	G&L
3(E-F)	6	4.67	4.27	0.20	0.20	1	1	G&L
3(F-G)	6	3.27	2.87	0.20	0.20	1	1	G&L
4(A-B)	6	3.11	3.10	0.00	0.00	3	1	G&L
4(B-C)	6	1.88	1.63	0.00	0.25	3	1	G&L
4(C-D)	6	1.97	1.47	0.25	0.25	3	1	G&L
4(D-E)	6	3.10	2.85	0.25	0.00	3	1	G&L
4(E-E')	6	2.29	2.28	0.00	0.00	3	1	G&L
4(E'-F)	6	2.38	2.37	0.00	0.00	3	1	G&L
4(F-H)	6	1.62	1.61	0.00	0.00	3	1	G&L
4(H-G)	6	1.71	1.70	0.00	0.00	3	1	G&L
7(A-B)	6	3.11	2.71	0.20	0.20	3	1	G&L
7(B-C)	6	1.88	1.43	0.20	0.25	3	1	G&L

Beam	Floor	L	Lu	a	c	Sec	Mat	System
7(C-D)	6	1.97	1.47	0.25	0.25	3	1	G&L
7(D-E)	6	3.10	2.65	0.25	0.20	3	1	G&L
7(E-E')	6	2.29	2.09	0.20	0.00	3	1	G&L
7(E'-F)	6	2.38	2.18	0.00	0.20	3	1	G&L
7(F-H)	6	1.62	1.42	0.20	0.00	3	1	G&L
7(H-G)	6	1.88	1.68	0.00	0.20	3	1	G&L
8(A-B)	6	3.11	2.71	0.20	0.20	1	1	G&L
8(B-C)	6	1.88	1.53	0.20	0.15	1	1	G&L
8(C-D)	6	1.97	1.57	0.15	0.25	1	1	G&L
8(D-E)	6	3.10	2.60	0.25	0.25	1	1	G&L
8(E-F)	6	4.67	4.22	0.25	0.20	1	1	G&L
8(F-G)	6	3.55	3.15	0.20	0.20	1	1	G&L
9(A-B)	6	3.11	2.71	0.20	0.20	1	1	G&L
9(B-C)	6	1.88	1.53	0.20	0.15	1	1	G&L
9(C-D)	6	1.97	1.62	0.15	0.20	1	1	G&L
9(D-E)	6	3.10	2.70	0.20	0.20	1	1	G&L
9(E-F)	6	4.67	4.27	0.20	0.20	1	1	G&L

WALL DATA

Total number of wall panels..... = 15

WALL PANELS

Wall	Story	B (m)	H (m)	t (cm)	Material -	System -
C(2-3)	1	1.92	4.85	20.0	1	G&L
D(2-3)	1	1.92	4.85	20.0	1	G&L
2(C-D)	1	1.97	4.85	20.0	1	G&L
C(2-3)	2	1.92	2.80	15.0	1	G&L
D(2-3)	2	1.92	2.80	15.0	1	G&L
2(C-D)	2	1.97	2.80	15.0	1	G&L
C(2-3)	3	1.92	1.80	15.0	1	G&L
D(2-3)	3	1.92	1.80	15.0	1	G&L
2(C-D)	3	1.97	1.80	15.0	1	G&L
C(2-3)	4	1.92	1.00	15.0	1	G&L
D(2-3)	4	1.92	1.00	15.0	1	G&L
2(C-D)	4	1.97	1.00	15.0	1	G&L
C(2-3)	5	1.92	2.70	15.0	1	G&L
D(2-3)	5	1.92	2.70	15.0	1	G&L
2(C-D)	5	1.97	2.70	15.0	1	G&L

FOUNDATION SOIL PROPERTIES

Number of soil properties = 1

Soil	Name	Pressure Distribution	Allowable gross pres. Pa T/m2	Increase Pa Combinations incl.EQ & WL (%)	MODULUS OF SUBGRADE REACTION Gravity load Analysis, Kg T/m3	Lateral load Analysis, Ks T/m3
1	LOS CORREGIDOR	Linear	10.3	33	152.8	152.8

* Values of subgrade reaction are used only on footings with rotations and/or vert-displac. permitted.

FOOTING DATA

Total number of footings ..... = 35

Footing	Floor	Type	V-Disp	Rotatn	B m	L m	Area m 2	X-Cent m	Y-Cent m	Theta deg	Mat --	Soil --

Footing	Floor	Type	V-Disp	Rotatn	B	L	Area	X-Cent	Y-Cent	Theta	Mat	Soil
C(2-3)	1	Contin	Fixed	Fixed	1.92	1.92	3.69	4.18	4.99	-90.0	1	1
2(C-D)	1	Contin	Fixed	Fixed	1.97	1.97	3.88	3.22	5.98	0.0	1	1
D(2-3)	1	Contin	Fixed	Fixed	1.92	1.92	3.69	4.18	6.96	-90.0	1	1
G-9	1	Spread	Fixed	Fixed	2.23	2.40	5.34	21.12	17.64	90.0	1	1
F-9	1	Spread	Fixed	Fixed	5.03	2.80	14.07	20.90	14.73	90.0	1	1
E-9	1	Spread	Fixed	Fixed	5.10	2.93	14.92	20.80	10.06	90.0	1	1
D-9	1	Spread	Fixed	Fixed	4.98	2.90	14.43	20.79	6.96	90.0	1	1
B-9	1	Spread	Fixed	Fixed	4.65	2.75	12.79	20.82	3.11	90.0	1	1
A-9	1	Spread	Fixed	Fixed	3.63	2.15	7.79	21.08	0.00	90.0	1	1
G-8	1	Spread	Fixed	Fixed	2.53	4.68	11.80	17.11	17.22	90.0	1	1
F-8	1	Spread	Fixed	Fixed	2.85	2.95	8.41	17.11	14.73	90.0	1	1
E-8	1	Spread	Fixed	Fixed	2.75	2.85	7.84	17.11	10.06	90.0	1	1
D-8	1	Spread	Fixed	Fixed	2.55	2.65	6.76	17.11	6.96	90.0	1	1
B-8	1	Spread	Fixed	Fixed	2.55	2.65	6.76	17.11	3.11	90.0	1	1
A-8	1	Spread	Fixed	Fixed	2.23	2.33	5.17	17.11	0.00	90.0	1	1
D-7	1	Spread	Fixed	Fixed	3.58	3.58	12.78	15.01	6.96	90.0	1	1
C-7	1	Spread	Fixed	Fixed	3.58	3.58	12.78	15.01	4.99	90.0	1	1
G-5a	1	Spread	Fixed	Fixed	2.20	2.60	5.72	13.52	17.33	90.0	1	1
F-5a	1	Spread	Fixed	Fixed	2.83	1.60	4.52	14.02	14.73	90.0	1	1
G-5	1	Spread	Fixed	Fixed	2.20	2.63	5.78	8.74	17.16	90.0	1	1
F-5	1	Spread	Fixed	Fixed	2.78	1.60	4.44	8.23	14.73	90.0	1	1
D-4	1	Spread	Fixed	Fixed	3.20	3.20	10.24	7.24	6.96	90.0	1	1
C-4	1	Spread	Fixed	Fixed	3.20	3.20	10.24	7.24	4.99	90.0	1	1
G-3	1	Spread	Fixed	Fixed	2.38	4.40	10.45	5.14	17.01	90.0	1	1
F-3	1	Spread	Fixed	Fixed	2.75	2.85	7.84	5.14	14.73	90.0	1	1
E-3	1	Spread	Fixed	Fixed	2.75	2.85	7.84	5.14	10.06	90.0	1	1
D-3	1	Spread	Fixed	Fixed	6.45	6.55	42.25	5.14	6.96	90.0	1	1
B-3	1	Spread	Fixed	Fixed	2.28	2.38	5.40	5.14	3.11	90.0	1	1
A-3	1	Spread	Fixed	Fixed	2.03	2.13	4.30	5.14	0.00	90.0	1	1
G-1	1	Spread	Fixed	Fixed	2.25	2.25	5.06	1.20	16.96	90.0	1	1
F-1	1	Spread	Fixed	Fixed	4.80	2.70	12.96	1.36	14.73	90.0	1	1
E-1	1	Spread	Fixed	Fixed	5.05	2.83	14.27	1.34	10.06	90.0	1	1
D-1	1	Spread	Fixed	Fixed	4.75	2.68	12.71	1.21	6.96	90.0	1	1
B-1	1	Spread	Fixed	Fixed	4.53	2.55	11.54	1.09	3.11	90.0	1	1
A-1	1	Spread	Fixed	Fixed	3.48	2.03	7.04	0.76	0.00	90.0	1	1

SUMMARY OF TOTAL FLOOR LOADS

LOAD CASE 1 : SELFW (D0)

	Force (ton)			Moment (ton-m)		
Floor	Px	Py	Pz	Mx	My	Mz
6	0.00	0.00	105.32	0.0	0.0	0.0
5	0.00	0.00	73.64	0.0	0.0	0.0
4	0.00	0.00	30.97	0.0	0.0	0.0
3	0.00	0.00	79.52	0.0	0.0	0.0
2	0.00	0.00	156.46	0.0	0.0	0.0
1	0.00	0.00	0.00	0.0	0.0	0.0
Total	0.00	0.00	445.90	0.0	0.0	0.0

LOAD CASE 2 : DEAD (DL)

	Force (ton)			Moment (ton-m)		
Floor	Px	Py	Pz	Mx	My	Mz
6	0.00	0.00	46.77	0.0	0.0	0.0
5	0.00	0.00	105.87	0.0	0.0	0.0
4	0.00	0.00	23.76	0.0	0.0	0.0
3	0.00	0.00	104.70	0.0	0.0	0.0
2	0.00	0.00	166.44	0.0	0.0	0.0
1	0.00	0.00	0.00	0.0	0.0	0.0
Total	0.00	0.00	447.54	0.0	0.0	0.0

LOAD CASE 3 : LIVE (LL)

	Force (ton)			Moment (ton-m)		
Floor	Px	Py	Pz	Mx	My	Mz
6	0.00	0.00	32.63	0.0	0.0	0.0
5	0.00	0.00	52.19	0.0	0.0	0.0
4	0.00	0.00	21.96	0.0	0.0	0.0
3	0.00	0.00	54.22	0.0	0.0	0.0
2	0.00	0.00	91.24	0.0	0.0	0.0
1	0.00	0.00	0.00	0.0	0.0	0.0
Total	0.00	0.00	252.24	0.0	0.0	0.0

LOAD CASE 4 : EQUAKE X (EQX) - TYPE : EQUIVALENT STATIC

	Force (ton)			Acc. Tors. Mom. (ton-m)		
Floor	Px	Py	Pz	Mx	My	Mz
6	239.70	0.00	0.00	0.0	0.0	218.6
5	225.55	0.00	0.00	0.0	0.0	206.1
4	61.92	0.00	0.00	0.0	0.0	21.7
3	168.94	0.00	0.00	0.0	0.0	128.5
2	188.40	0.00	0.00	0.0	0.0	174.3
1	0.00	0.00	0.00	0.0	0.0	0.0
Total	884.51	0.00	0.00	0.0	0.0	749.2

LOAD CASE 5 : EQUAKE Y (EQY) - TYPE : EQUIVALENT STATIC

	Force (ton)			Acc. Tors. Mom. (ton-m)		
Floor	Px	Py	Pz	Mx	My	Mz
6	0.00	239.70	0.00	0.0	0.0	264.7
5	0.00	225.55	0.00	0.0	0.0	249.0
4	0.00	61.92	0.00	0.0	0.0	68.1
3	0.00	168.94	0.00	0.0	0.0	186.6
2	0.00	188.40	0.00	0.0	0.0	209.3
1	0.00	0.00	0.00	0.0	0.0	0.0
Total	0.00	884.51	0.00	0.0	0.0	977.7

LOAD CASE 6 : WIND X (WLX)

	Force (ton)			Moment (ton-m)		
Floor	Px	Py	Pz	Mx	My	Mz
6	1.30	0.00	0.00	0.0	0.0	1.2
5	1.43	0.00	0.00	0.0	0.0	1.4
4	0.36	0.00	0.00	0.0	0.0	0.3
3	1.71	0.00	0.00	0.0	0.0	1.6
2	3.25	0.00	0.00	0.0	0.0	3.1
1	2.05	0.00	0.00	0.0	0.0	0.0
Total	10.09	0.00	0.00	0.0	0.0	7.7

LOAD CASE 7 : WIND Y (WLY)

Floor	Force (ton)			Moment (ton-m)		
	Px	Py	Pz	Mx	My	Mz
6	0.00	1.61	0.00	0.0	0.0	1.9
5	0.00	2.13	0.00	0.0	0.0	2.5
4	0.00	1.03	0.00	0.0	0.0	1.2
3	0.00	2.55	0.00	0.0	0.0	2.9
2	0.00	3.89	0.00	0.0	0.0	4.5
1	0.00	2.45	0.00	0.0	0.0	0.0
Total	0.00	13.64	0.00	0.0	0.0	13.0

SUMMARY QUANTITY OF MATERIALS

C O L U M N S

Item	Section	Material	Length m	Weight/Len ton/m	Total Weight ton
1	50X40	3500 PSI	209.25	0.480	100.44
2	40X40	3500 PSI	36.83	0.384	14.14
3	D40cm	3500 PSI	9.05	0.302	2.73
4	D=50CM	3500 PSI	69.82	0.471	32.89
5	40X70	3500 PSI	4.53	0.672	3.04
				TOTAL =	153.25

B E A M S

Item	Section	Material	Length m	Weight/Len ton/m	Total Weight ton
1	40X40	3500 PSI	553.88	0.384	212.69
2	25X40	3500 PSI	39.23	0.240	9.41
3	30X40	3500 PSI	71.77	0.288	20.67
4	IPE-330	ASTM A50	68.38	0.047	3.21
				TOTAL =	245.98

W A L L S

Item	Section	Material	Area m²	Weight/Area ton/m²	Total Weight ton
1	t =20	3500 PSI	28.18	0.480	13.53
2	t =15	3500 PSI	48.22	0.360	17.36
				TOTAL =	30.89

S L A B S

Item	Section	Material	Area m²	Weight/Area ton/m²	Total Weight ton
1	S=96CM OFICINAS	w =2.4	269.89	0.251	67.82
2	S=100 CORREDOR	w =2.4	173.84	0.246	42.76
3	S=99 OFICINAS	w =2.4	173.89	0.247	42.99
4	ESCALERAS	w =2.4	69.54	0.360	25.04
5	ASCENSOR	w =2.4	15.13	0.240	3.63
6	PUENTE	w =2.4	11.50	0.240	2.76
7	CUBIERTA	w =2.4	234.30	0.048	11.25
8	Slab type 8	w =2.5	116.27	0.050	5.81
				TOTAL =	232.94

2 DATOS DE ENTRADA

A continuación, se presentan los datos de entrada para el análisis y diseño estructural.

Generalidades:

Norma de diseño:	NSR – 10
Capítulos de diseño a considerar:	A (Análisis Sísmico) B (Cargas) C (Concretos reforzados) D (Muros – Muros No estructurales)
Localización:	Carmen De Apicala - Tolima
Amenaza Sísmica:	Alta
Capacidad de disipación de energía:	DES
Tipo de uso:	Institucional
Tipo de perfil sísmico de suelos:	E
Grupo de USO:	II
Velocidad de viento:	36 m/s (130 Km/h)
Método de análisis:	Análisis Dinámico espectral

El procedimiento de análisis y diseño estructural se hace con el software de diseño EngSolutions RCB 9.0.9 (Analysis & Desing of Reinforced Concrete Buildings for Earthquake And Wind Forces). El programa utiliza inicialmente la matriz de rigidez considerando deformaciones axiales y de corte. Para la obtención de las fuerzas sísmicas de diseño se utiliza el método de análisis modal espectral completo que resuelve cada modo como una hipótesis y realiza la expansión modal y la combinación modal para la obtención de esfuerzos; así mismo se hace además el análisis por fuerzas estáticas equivalentes sísmicos, que es el método simplificado, empleado para el díselo de los elementos de las fuerzas sísmicas mayores resultante de los métodos.

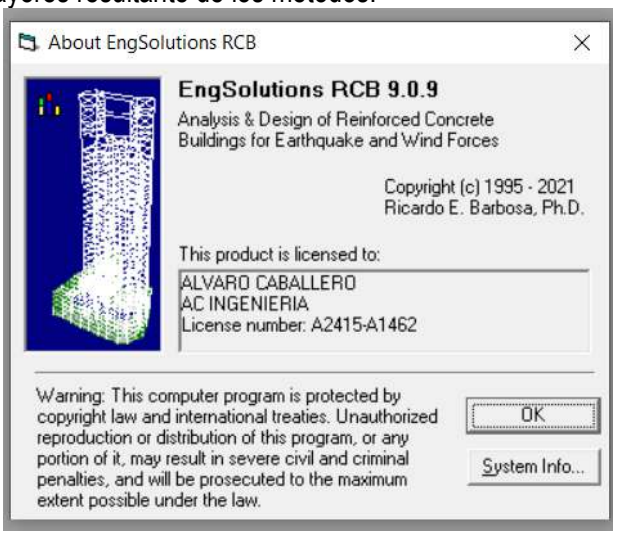


Imagen No 2: Datos y licencia del software utilizado

A continuación, se muestran las imágenes de los modelos estructurales del software utilizado, y las plantas estructurales con las que se realizó el diseño:

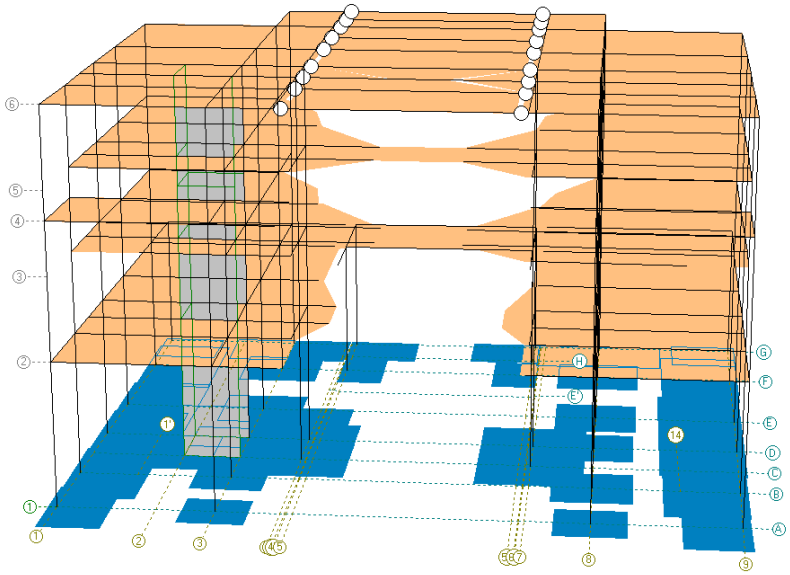


Imagen No 3: Pórtico estructural con elementos principales. (Fuente: diseño propio)

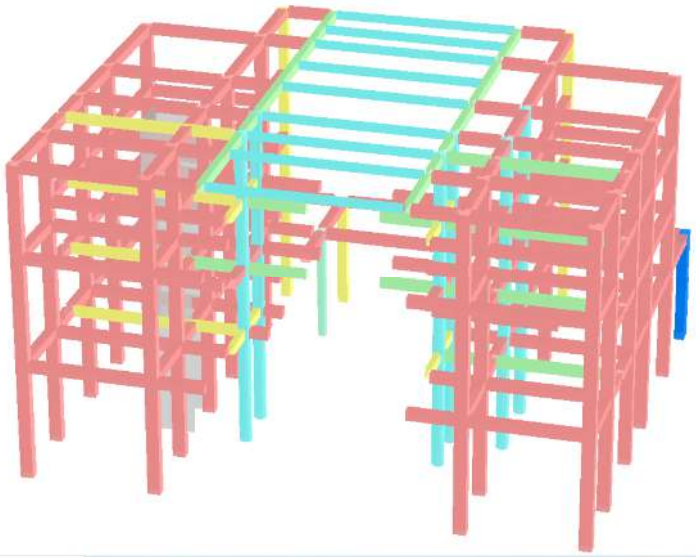


Imagen No 4: Pórtico estructural con elementos principales. (Fuente: diseño propio)

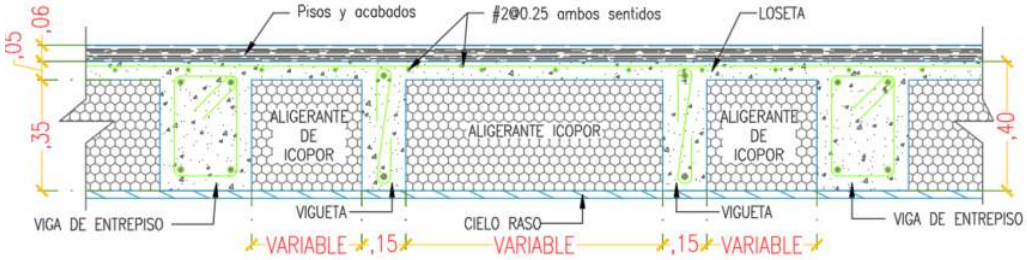


Imagen No 5: Corte Típico de losa aligerada (Sin Escala)

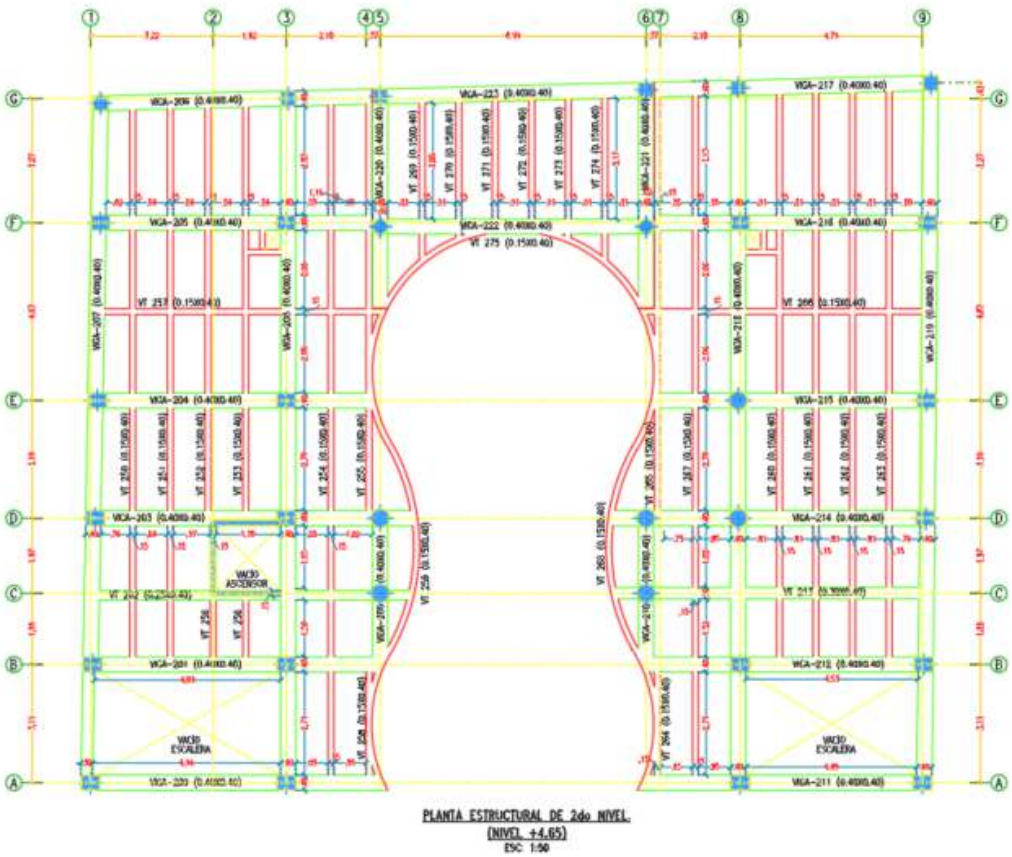


Imagen No 6: Planta de 2do nivel (Sin Escala)

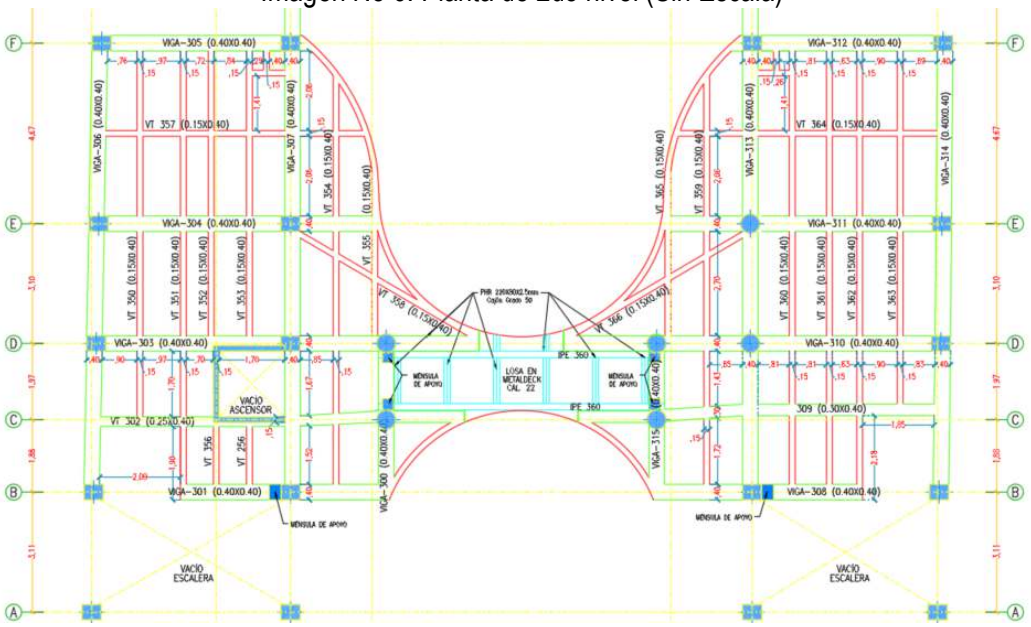


Imagen No 7: Planta de 3er y 5to nivel (Sin Escala)

3 ANÁLISIS DE CARGAS

En este capítulo se presentan los patrones y casos de carga definidos para el análisis y diseño estructural, así como el cálculo de las cargas sobreimpuestas a la estructura de acuerdo a la arquitectura, y a las cargas vivas y sísmicas especificadas en la NSR-10. Por último, se especifican las combinaciones de carga utilizadas para el diseño de los elementos.

Del capítulo B se realiza el avaluó de cargas, teniendo en cuenta las diferentes cargas establecidas en la NSR-10. En la siguiente tabla se muestran las propiedades de los materiales utilizados en este análisis:

Tabla B.3.2-1
Masas de los materiales

Material	*Densidad* (kg/m^3)	*Material*	*Densidad* (kg/m^3)
Acero	7 800	Mortero de inyección para mampostería	2 250
Agua		Mortero de pega para mampostería	2 100
Dulce	1 000	Piedra	
Marina	1 030	Caliza, mármol, cuarzo	2 700
Aluminio	2 700	Basalto, granito, gneis	2 850
Arena		Arenisca	2 200
Limpia y seca	1 440	Pizarra	2 600
Seca de río	1 700	Plomo	11 400
Baldosa cerámica	2 400	Productos bituminosos	
Bronce	8 850	Asfalto y alquitrán	1 300
Cal		Gasolina	700
Hidratada suelta	500	Grafito	2 160
Hidratada compacta	730	Parafina	900
Carbón, apilado	800	Petróleo	850
Carbón vegetal	200	Relleno de ceniza	920
Cemento pórtland, a granel	1 440	Tableros de madera aglutinada	750
Cobre	9 000	Terracota	
Concreto simple	2 300	Poros saturados	1 950
Concreto reforzado	2 400	Poros no saturados	1 150
Corcho, comprimido	250	Tierra	
Estaño	7 360	Arcilla húmeda	1 750
Grava seca	1 660	Arcilla seca	1 100
Hielo	920	Arcilla y grava seca	1 600
Hierro		Arena y grava húmeda	1 900
Fundido	7 200	Arena y grava seca apisonada	1 750
Forjado	7 700	Arena y grava seca suelta	1 600
Latón	8 430	Limo húmedo consolidado	1 550
Madera laminada	600	Limo húmedo suelto	1 250
Madera seca	450-750	Vidrio	2 600
Mampostería de concreto	2 150	Yeso en tableros para muros	800
Mampostería de ladrillo macizo	1 850	Yeso suelto	1 150
Mampostería de piedra	2 200	Zinc en láminas enrolladas	7 200

De igual forma se muestran los resultados de las otras cargas sobre impuestas, relacionadas con las cargas que no hacen parte del sistema estructural principal, como cargas de cielo raso, cargas de los Muros Divisorios, cargas de las instalaciones varias (Hidro-sanitarias, eléctricas, etc), cargas de pisos y plantillas, y todas aquellas cargas que afectan el peso propio de la estructura con elementos que no hacen parte del sistema sismo-resistente principal. Estas tablas se muestran a continuación:

Tabla B.3.4.1-1
Cargas muertas mínimas de elementos no estructurales horizontales – Cielo raso

Componente	*Carga (kN/m²) m² de área en planta*	*Carga (kgf/m²) m² de área en planta*
Cielo raso		
Canales suspendidas de acero	0.10	10
Ductos mecánicos	0.20	20
Entramado metálico suspendido afinado en cemento.	0.70	70
Entramado metálico suspendido afinado en yeso.	0.50	50
Fibras acústicas	0.10	10
Pañete en yeso o concreto	0.25	25
Pañete en entramado de madera	0.80	80
Tableros de yeso	0.0080 (por mm de espesor)	8 (por cm de espesor)
Sistema de suspensión de madera.	0.15	15

Esto para la zona de oficinas de bodega nave 2 – semisótano

Tabla B.3.4.1-3
Cargas muertas mínimas de elementos no estructurales horizontales – pisos

Componente	*Carga (kN/m²) m² de área en planta*	*Carga (kgf/m²) m² de área en planta*
Pisos y acabados		
Acabado de piso en concreto	0.0200 (por mm de espesor)	20 (por cm de espesor)
Afinado (25 mm) sobre concreto de agregado pétreo	1.50	150
Baldosa cerámica (20 mm) sobre 12 mm de mortero.	0.80	80
Baldosa cerámica (20 mm) sobre 25 mm de mortero.	1.10	110
Baldosa sobre 25 mm de mortero	1.10	110
Bloque de asfalto (50 mm), sobre 12 mm de mortero	1.50	150
Bloque de madera (75 mm) sin relleno	0.50	50
Bloque de madera (75 mm) sobre 12 mm de mortero	0.80	80
Durmientes de madera, 20 mm	0.15	15
Madera densa, 25 mm	0.20	20
Mármol y mortero sobre concreto de agregado pétreo	1.60	160
Piso asfáltico o linóleo, 6 mm	0.05	5
Pizarra	0.030 (por mm de espesor)	30 (por cm de espesor)
Terrazzo (25 mm), concreto 50 mm	1.50	150
Terrazzo (40 mm) directamente sobre la losa	0.90	90
Terrazzo (25 mm) sobre afinado en concreto	1.50	150

Tabla B.3.4.2-4
Cargas muertas mínimas de elementos no estructurales verticales – muros

Componente	*Carga (kN/m²) por m² de superficie vertical (multiplicar por la altura del elemento en m para obtener cargas distribuidas en kN/m)*					*Carga (kgf/m²) por m² de superficie vertical (multiplicar por la altura del elemento en m para obtener cargas distribuidas en kgf/m)*				
Muros										
Exteriores de paneles (postes de acero o madera):										
Yeso de 15 mm, aislado, entablado de 10 mm	1.00					100				
Exteriores con enchape en ladrillo	2.50					250				
Mampostería de bloque de arcilla:	*Espesor del muro (en mm)*					*Espesor del muro (en cm)*				
	100	*150*	*200*	*250*	*300*	*10*	*15*	*20*	*25*	*30*
Pañetado en ambas caras	1.80	2.50	3.10	3.80	4.40	180	250	310	380	440
Sin pañetar	1.30	2.00	2.60	3.30	3.90	130	200	260	330	390
Mampostería de bloque de concreto:	*Espesor del muro (en mm)*					*Espesor del muro (en cm)*				
	100	*150*	*200*	*250*	*300*	*10*	*15*	*20*	*25*	*30*
Sin relleno	1.40	1.45	1.90	2.25	2.60	140	145	190	225	260
Relleno cada 1.2 m		1.70	2.25	2.70	3.15		170	225	270	315
Relleno cada 1.0 m		1.80	2.30	2.80	3.30		180	230	280	330
Relleno cada 0.8 m		1.80	2.40	3.00	3.45		180	240	300	345
Relleno cada 0.6 m		2.00	2.60	3.20	3.75		200	260	320	375
Relleno cada 0.4 m		2.20	2.90	3.60	4.30		220	290	360	430
Todas las celdas llenas		3.00	4.00	5.00	6.10		300	400	500	610
Mampostería maciza de arcilla:	*Espesor del muro (en mm)*					*Espesor del muro (en cm)*				
	100	*150*	*200*	*250*	*300*	*10*	*15*	*20*	*25*	*30*
Sin pañetar	1.90	2.90	3.80	4.70	5.50	190	290	380	470	550
Mampostería maciza de concreto:	*Espesor del muro (en mm)*					*Espesor del muro (en cm)*				
	100	*150*	*200*	*250*	*300*	*10*	*15*	*20*	*25*	*30*
Sin pañetar	2.00	3.10	4.20	5.30	6.40	200	310	420	530	640

Para la determinación de la carga viva, se trabaja con la tabla B.4.2.1-1 de la NSR-10 (Cargas vivas mínimas uniformemente distribuidas), teniendo en cuenta el grupo de USO Institucional.

Ocupación o uso		Carga uniforme (kN/m^2) m^2 de área en planta	Carga uniforme (kgf/m^2) m^2 de área en planta
Reunión	Balcones	5.0	500
	Corredores y escaleras	5.0	500
	Silletería fija (fijada al piso)	3.0	300
	Gimnasios	5.0	500
	Vestíbulos	5.0	500
	Silletería móvil	5.0	500
	Áreas recreativas	5.0	500
	Plataformas	5.0	500
	Escenarios	7.5	750
Oficinas	Corredores y escaleras	3.0	300
	Oficinas	2.0	200
	Restaurantes	5.0	500
Educativos	Salones de clase	2.0	200
	Corredores y escaleras	5.0	500
	Bibliotecas		
	Salones de lectura	2.0	200
	Estanterías	7.0	700
Fábricas	Industrias livianas	5.0	500
	Industrias pesadas	10.0	1000
Institucional	Cuartos de cirugía, laboratorios	4.0	400
	Cuartos privados	2.0	200
	Corredores y escaleras	5.0	500
Comercio	Minorista	5.0	500
	Mayorista	6.0	600
Residencial	Balcones	5.0	500
	Cuartos privados y sus corredores	1.8	180
	Escaleras	3.0	300

A continuación, se muestra el análisis de carga utilizado para el diseño de cada uno de los diferentes tramos de las losas de entre-piso, teniendo en cuenta la separación entre nervios, y teniendo en cuenta la ubicación de la vigueta considerando los aspectos arquitectónicos, si son balcones, o cuartos privados y sus corredores, y si es de escaleras. Este análisis se muestra a continuación, y posteriormente el análisis de cargas en el modelo estructural en 3D.

Company: AC INGENIERIA Engineer: ALVARO CABALLERO
Project: CASA CORREGIDOR - SOGAMOSO BLOQUE NUEVO 4:19:04 p. m. 4/05/2022
File: D:\RCB\EDIFICIO CORREDOR - SOGAMOSO\BLOQUES NUEVOS V4.0.rcb

NODE DATA

Axis	Floor	X	Y	Z	Axis	Floor	X	Y	Z
A-1	1	0.00	0.00	0.00	B-1	1	0.06	3.11	0.00
D-1	1	0.12	6.96	0.00	E-1	1	0.18	10.06	0.00
F-1	1	0.26	14.73	0.00	G-1	1	0.27	17.88	0.00
C-2	1	3.22	4.99	0.00	D-2	1	3.22	6.96	0.00
A-3	1	5.14	0.00	0.00	B-3	1	5.14	3.11	0.00
C-3	1	5.14	4.99	0.00	D-3	1	5.14	6.96	0.00
E-3	1	5.14	10.06	0.00	F-3	1	5.14	14.73	0.00
G-3	1	5.14	18.00	0.00	C-4	1	7.24	4.99	0.00
D-4	1	7.24	6.96	0.00	F-5	1	7.63	14.73	0.00
G-5	1	7.63	18.06	0.00	F-5a	1	14.62	14.73	0.00
G-5a	1	14.62	18.23	0.00	C-7	1	15.01	4.99	0.00
D-7	1	15.01	6.96	0.00	A-8	1	17.11	0.00	0.00
B-8	1	17.11	3.11	0.00	D-8	1	17.11	6.96	0.00
E-8	1	17.11	10.06	0.00	F-8	1	17.11	14.73	0.00
G-8	1	17.11	18.28	0.00	A-9	1	21.90	0.00	0.00
B-9	1	21.94	3.11	0.00	D-9	1	21.99	6.96	0.00
E-9	1	22.01	10.06	0.00	F-9	1	22.05	14.73	0.00
G-9	1	22.12	18.40	0.00					
A-1	2	0.00	0.00	4.85	B-1	2	0.06	3.11	4.85
C-1	2	0.09	4.99	4.85	D-1	2	0.12	6.96	4.85
E-1	2	0.18	10.06	4.85	F-1	2	0.26	14.73	4.85
G-1	2	0.27	17.88	4.85	C-2	2	3.22	4.99	4.85
D-2	2	3.22	6.96	4.85	A-3	2	5.14	0.00	4.85
B-3	2	5.14	3.11	4.85	C-3	2	5.14	4.99	4.85
D-3	2	5.14	6.96	4.85	E-3	2	5.14	10.06	4.85
F-3	2	5.14	14.73	4.85	G-3	2	5.14	18.00	4.85
A-4	2	7.24	0.00	4.85	B-4	2	7.24	3.11	4.85
C-4	2	7.24	4.99	4.85	D-4	2	7.24	6.96	4.85
E-4	2	7.24	10.06	4.85	F-4	2	7.24	14.73	4.85
G-4	2	7.24	18.06	4.85	C-4a	2	8.24	4.99	4.85
D-4a	2	8.24	6.96	4.85	E'-5	2	7.63	12.20	4.85
F-5	2	7.63	14.73	4.85	G-5	2	7.63	18.06	4.85
E'-5a	2	14.62	12.20	4.85	F-5a	2	14.62	14.73	4.85
G-5a	2	14.62	18.23	4.85	A-7	2	15.01	0.00	4.85
B-7	2	15.01	3.11	4.85	C-7	2	15.01	4.99	4.85
D-7	2	15.01	6.96	4.85	E-7	2	15.01	10.06	4.85
F-7	2	15.01	14.73	4.85	G-7	2	15.01	18.23	4.85
A-8	2	17.11	0.00	4.85	B-8	2	17.11	3.11	4.85
C-8	2	17.11	4.99	4.85	D-8	2	17.11	6.96	4.85
E-8	2	17.11	10.06	4.85	F-8	2	17.11	14.73	4.85
G-8	2	17.11	18.28	4.85	A-9	2	21.90	0.00	4.85
B-9	2	21.94	3.11	4.85	C-9	2	21.97	4.99	4.85
D-9	2	21.99	6.96	4.85	E-9	2	22.01	10.06	4.85
F-9	2	22.05	14.73	4.85	G-9	2	22.12	18.40	4.85
B-1	3	0.06	3.11	7.65	C-1	3	0.09	4.99	7.65
D-1	3	0.12	6.96	7.65	E-1	3	0.18	10.06	7.65
F-1	3	0.26	14.73	7.65	B-1'	3	2.30	3.11	7.65
C-2	3	3.22	4.99	7.65	D-2	3	3.22	6.96	7.65
B-3	3	5.14	3.11	7.65	C-3	3	5.14	4.99	7.65
D-3	3	5.14	6.96	7.65	E-3	3	5.14	10.06	7.65
F-3	3	5.14	14.73	7.65	G-3	3	5.14	18.00	7.65
B-4	3	7.24	3.11	7.65	C-4	3	7.24	4.99	7.65
D-4	3	7.24	6.96	7.65	E-4	3	7.24	10.06	7.65
C-4a	3	9.78	4.99	7.65	D-4a	3	9.78	6.96	7.65
C-6	3	12.70	4.99	7.65	D-6	3	12.70	6.96	7.65
B-7	3	15.01	3.11	7.65	C-7	3	15.01	4.99	7.65
D-7	3	15.01	6.96	7.65	E-7	3	15.01	10.06	7.65
B-8	3	17.11	3.11	7.65	C-8	3	17.11	4.99	7.65
D-8	3	17.11	6.96	7.65	E-8	3	17.11	10.06	7.65
F-8	3	17.11	14.73	7.65	G-8	3	17.11	18.28	7.65
B-14	3	20.01	3.11	7.65	B-9	3	21.94	3.11	7.65
C-9	3	21.97	4.99	7.65	D-9	3	21.99	6.96	7.65
E-9	3	22.01	10.06	7.65	F-9	3	22.05	14.73	7.65
A-1	4	0.00	0.00	9.45	B-1	4	0.06	3.11	9.45
C-2	4	3.22	4.99	9.45	D-2	4	3.22	6.96	9.45
A-3	4	5.14	0.00	9.45	B-3	4	5.14	3.11	9.45
C-3	4	5.14	4.99	9.45	D-3	4	5.14	6.96	9.45
A-4	4	7.24	0.00	9.45	B-4	4	7.24	3.11	9.45
A-7	4	15.01	0.00	9.45	B-7	4	15.01	3.11	9.45
A-8	4	17.11	0.00	9.45	B-8	4	17.11	3.11	9.45
A-9	4	21.90	0.00	9.45	B-9	4	21.94	3.11	9.45

Axis	Floor	X	Y	Z	Axis	Floor	X	Y	Z
A-1	5	0.00	0.00	10.45	B-1	5	0.06	3.11	10.45
C-1	5	0.09	4.99	10.45	D-1	5	0.12	6.96	10.45
E-1	5	0.18	10.06	10.45	F-1	5	0.26	14.73	10.45
C-2	5	3.22	4.99	10.45	D-2	5	3.22	6.96	10.45
A-3	5	5.14	0.00	10.45	B-3	5	5.14	3.11	10.45
C-3	5	5.14	4.99	10.45	D-3	5	5.14	6.96	10.45
E-3	5	5.14	10.06	10.45	F-3	5	5.14	14.73	10.45
G-3	5	5.14	18.00	10.45	B-4	5	7.24	3.11	10.45
C-4	5	7.24	4.99	10.45	D-4	5	7.24	6.96	10.45
E-4	5	7.24	10.06	10.45	C-4a	5	9.78	4.99	10.45
D-4a	5	9.78	6.96	10.45	C-6	5	12.70	4.99	10.45
D-6	5	12.70	6.96	10.45	B-7	5	15.01	3.11	10.45
C-7	5	15.01	4.99	10.45	D-7	5	15.01	6.96	10.45
E-7	5	15.01	10.06	10.45	A-8	5	17.11	0.00	10.45
B-8	5	17.11	3.11	10.45	C-8	5	17.11	4.99	10.45
D-8	5	17.11	6.96	10.45	E-8	5	17.11	10.06	10.45
F-8	5	17.11	14.73	10.45	G-8	5	17.11	18.28	10.45
A-9	5	21.90	0.00	10.45	B-9	5	21.94	3.11	10.45
C-9	5	21.97	4.99	10.45	D-9	5	21.99	6.96	10.45
E-9	5	22.01	10.06	10.45	F-9	5	22.05	14.73	10.45
A-1	6	0.00	0.00	13.15	B-1	6	0.06	3.11	13.15
C-1	6	0.09	4.99	13.15	D-1	6	0.12	6.96	13.15
E-1	6	0.18	10.06	13.15	F-1	6	0.26	14.73	13.15
C-2	6	3.22	4.99	13.15	D-2	6	3.22	6.96	13.15
A-3	6	5.14	0.00	13.15	B-3	6	5.14	3.11	13.15
C-3	6	5.14	4.99	13.15	D-3	6	5.14	6.96	13.15
E-3	6	5.14	10.06	13.15	F-3	6	5.14	14.73	13.15
G-3	6	5.14	18.00	13.15	A-4	6	7.24	0.00	13.15
B-4	6	7.24	3.11	13.15	C-4	6	7.24	4.99	13.15
D-4	6	7.24	6.96	13.15	E-4	6	7.24	10.06	13.15
E'-4	6	7.24	12.35	13.15	F-4	6	7.24	14.73	13.15
H-4	6	7.24	16.35	13.15	G-4	6	7.24	18.06	13.15
A-7	6	15.01	0.00	13.15	B-7	6	15.01	3.11	13.15
C-7	6	15.01	4.99	13.15	D-7	6	15.01	6.96	13.15
E-7	6	15.01	10.06	13.15	E'-7	6	15.01	12.35	13.15
F-7	6	15.01	14.73	13.15	H-7	6	15.01	16.35	13.15
G-7	6	15.01	18.23	13.15	A-8	6	17.11	0.00	13.15
B-8	6	17.11	3.11	13.15	C-8	6	17.11	4.99	13.15
D-8	6	17.11	6.96	13.15	E-8	6	17.11	10.06	13.15
F-8	6	17.11	14.73	13.15	G-8	6	17.11	18.28	13.15
A-9	6	21.90	0.00	13.15	B-9	6	21.94	3.11	13.15
C-9	6	21.97	4.99	13.15	D-9	6	21.99	6.96	13.15
E-9	6	22.01	10.06	13.15	F-9	6	22.05	14.73	13.15

SLAB PROPERTIES AND FLOOR LOAD DATA

Number of slab sections = 8

Floor Type:

1: One-way joist slab
2: One-way flat slab
3: Two-way joist slab
4: Two-way flat slab
5: One-way deck on secondary beams

No	Name	Type	tv (cm)	γ (Kg/m3)	Sup.DL (Kg/m2)	LL1 (Kg/m2)	LL2 (Kg/m2)	h (cm)	hf (cm)	bw (cm)	S (cm)
1	S=96CM OFICINAS	1	10.47	2400.0	350.00	200.00	0.00	40.00	5.00	15.00	96.00
2	S=100 CORREDOR	1	10.25	2400.0	250.00	500.00	0.00	40.00	5.00	15.00	100.00
3	S=99 OFICINAS	1	10.30	2400.0	350.00	200.00	0.00	40.00	5.00	15.00	99.00
4	ESCALERAS	2	15.00	2400.0	200.00	500.00	0.00	-	-	-	-
5	ASCENSOR	4	10.00	2400.0	200.00	300.00	0.00	-	-	-	-
6	PUENTE	5	10.00	2400.0	150.00	500.00	0.00	-	-	-	145.00
7	CUBIERTA	5	2.00	2400.0	80.00	60.00	0.00	-	-	-	100.00
8	Slab type 8	5	2.00	2500.0	80.00	150.00	0.00	-	-	-	382.00

L O A D S

Total number of load cases = 7

LOAD CASE 1 : SELFW (D0)

Number of nodal loads .... = 0
Number of column loads ... = 115
Number of beam loads ..... = 245
Number of wall loads ..... = 15

Column Loads (D0)

Class = F: Force M: Moment
System = L: Local Force/Moment referred to local coordinates (1, 2, 3)
G: Global Force/Moment referred to global coordinates (X, Y, Z)
Axis = (1, 2, 3) if System = L, or (X, Y, Z) if System = G
Units = Distributed Force: (ton/m), Distributed Moment: (ton-m/m)
Concentrated Force: (ton), Concentrated Moment: (ton-m)

		Distributed Force/Moment							Concentrated Force/Moment					
Column	Floor	Class	Sys	Axis	A/L	B/L	Wi	Wj	Class	Sys	A/L	P1\Px	P2\Py	P3\Pz
A-1	1	-	-	-	-	-	-	-	F	G	1.00	0.0	0.0	2.2
A-1	2-3	-	-	-	-	-	-	-	F	G	1.00	0.0	0.0	2.0
A-1	4	-	-	-	-	-	-	-	F	G	1.00	0.0	0.0	0.4
A-1	5	-	-	-	-	-	-	-	F	G	1.00	0.0	0.0	1.1
B-1	1	-	-	-	-	-	-	-	F	G	1.00	0.0	0.0	2.2
B-1	2	-	-	-	-	-	-	-	F	G	1.00	0.0	0.0	1.2
B-1	3	-	-	-	-	-	-	-	F	G	1.00	0.0	0.0	0.7
B-1	4	-	-	-	-	-	-	-	F	G	1.00	0.0	0.0	0.3
B-1	5	-	-	-	-	-	-	-	F	G	1.00	0.0	0.0	1.1
D-1	1	-	-	-	-	-	-	-	F	G	1.00	0.0	0.0	2.2
D-1	2	-	-	-	-	-	-	-	F	G	1.00	0.0	0.0	1.2
D-1	3-4	-	-	-	-	-	-	-	F	G	1.00	0.0	0.0	1.2
D-1	5	-	-	-	-	-	-	-	F	G	1.00	0.0	0.0	1.1
E-1	1	-	-	-	-	-	-	-	F	G	1.00	0.0	0.0	2.2
E-1	2	-	-	-	-	-	-	-	F	G	1.00	0.0	0.0	1.2
E-1	3-4	-	-	-	-	-	-	-	F	G	1.00	0.0	0.0	1.2
E-1	5	-	-	-	-	-	-	-	F	G	1.00	0.0	0.0	1.1
F-1	1	-	-	-	-	-	-	-	F	G	1.00	0.0	0.0	2.2
F-1	2	-	-	-	-	-	-	-	F	G	1.00	0.0	0.0	1.2
F-1	3-4	-	-	-	-	-	-	-	F	G	1.00	0.0	0.0	1.2
F-1	5	-	-	-	-	-	-	-	F	G	1.00	0.0	0.0	1.1
G-1	1	-	-	-	-	-	-	-	F	G	1.00	0.0	0.0	1.7
A-3	1	-	-	-	-	-	-	-	F	G	1.00	0.0	0.0	2.2
A-3	2-3	-	-	-	-	-	-	-	F	G	1.00	0.0	0.0	2.0
A-3	4	-	-	-	-	-	-	-	F	G	1.00	0.0	0.0	0.4
A-3	5	-	-	-	-	-	-	-	F	G	1.00	0.0	0.0	1.1
B-3	1	-	-	-	-	-	-	-	F	G	1.00	0.0	0.0	2.2
B-3	2	-	-	-	-	-	-	-	F	G	1.00	0.0	0.0	1.2
B-3	3	-	-	-	-	-	-	-	F	G	1.00	0.0	0.0	0.7
B-3	4	-	-	-	-	-	-	-	F	G	1.00	0.0	0.0	0.3
B-3	5	-	-	-	-	-	-	-	F	G	1.00	0.0	0.0	1.1
D-3	1	-	-	-	-	-	-	-	F	G	1.00	0.0	0.0	2.2
D-3	2	-	-	-	-	-	-	-	F	G	1.00	0.0	0.0	1.2
D-3	3	-	-	-	-	-	-	-	F	G	1.00	0.0	0.0	0.8
D-3	4	-	-	-	-	-	-	-	F	G	1.00	0.0	0.0	0.3
D-3	5	-	-	-	-	-	-	-	F	G	1.00	0.0	0.0	1.1
E-3	1	-	-	-	-	-	-	-	F	G	1.00	0.0	0.0	2.2
E-3	2	-	-	-	-	-	-	-	F	G	1.00	0.0	0.0	1.2
E-3	3-4	-	-	-	-	-	-	-	F	G	1.00	0.0	0.0	1.2
E-3	5	-	-	-	-	-	-	-	F	G	1.00	0.0	0.0	1.1
F-3	1	-	-	-	-	-	-	-	F	G	1.00	0.0	0.0	2.2
F-3	2	-	-	-	-	-	-	-	F	G	1.00	0.0	0.0	1.2
F-3	3-4	-	-	-	-	-	-	-	F	G	1.00	0.0	0.0	1.2
F-3	5	-	-	-	-	-	-	-	F	G	1.00	0.0	0.0	1.1
G-3	1	-	-	-	-	-	-	-	F	G	1.00	0.0	0.0	1.7
G-3	2	-	-	-	-	-	-	-	F	G	1.00	0.0	0.0	0.9
G-3	3-4	-	-	-	-	-	-	-	F	G	1.00	0.0	0.0	0.9
G-3	5	-	-	-	-	-	-	-	F	G	1.00	0.0	0.0	0.9
C-4	1	-	-	-	-	-	-	-	F	G	1.00	0.0	0.0	2.1
C-4	2	-	-	-	-	-	-	-	F	G	1.00	0.0	0.0	1.1
C-4	3-4	-	-	-	-	-	-	-	F	G	1.00	0.0	0.0	1.1
C-4	5	-	-	-	-	-	-	-	F	G	1.00	0.0	0.0	1.1
D-4	1	-	-	-	-	-	-	-	F	G	1.00	0.0	0.0	2.1

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Column	Floor	Class	Sys	Axis	A/L	B/L	Wi	Wj	Class	Sys	A/L	P1\Px	P2\Py	P3\Pz
D-4	2	-	-	-	-	-	-	-	F	G	1.00	0.0	0.0	1.1
D-4	3-4	-	-	-	-	-	-	-	F	G	1.00	0.0	0.0	1.1
D-4	5	-	-	-	-	-	-	-	F	G	1.00	0.0	0.0	1.1
F-5	1	-	-	-	-	-	-	-	F	G	1.00	0.0	0.0	1.4
G-5	1	-	-	-	-	-	-	-	F	G	1.00	0.0	0.0	1.7
F-5a	1	-	-	-	-	-	-	-	F	G	1.00	0.0	0.0	1.4
G-5a	1	-	-	-	-	-	-	-	F	G	1.00	0.0	0.0	1.7
C-7	1	-	-	-	-	-	-	-	F	G	1.00	0.0	0.0	2.1
C-7	2	-	-	-	-	-	-	-	F	G	1.00	0.0	0.0	1.1
C-7	3-4	-	-	-	-	-	-	-	F	G	1.00	0.0	0.0	1.1
C-7	5	-	-	-	-	-	-	-	F	G	1.00	0.0	0.0	1.1
D-7	1	-	-	-	-	-	-	-	F	G	1.00	0.0	0.0	2.1
D-7	2	-	-	-	-	-	-	-	F	G	1.00	0.0	0.0	1.1
D-7	3-4	-	-	-	-	-	-	-	F	G	1.00	0.0	0.0	1.1
D-7	5	-	-	-	-	-	-	-	F	G	1.00	0.0	0.0	1.1
A-8	1	-	-	-	-	-	-	-	F	G	1.00	0.0	0.0	2.2
A-8	2-3	-	-	-	-	-	-	-	F	G	1.00	0.0	0.0	2.0
A-8	4	-	-	-	-	-	-	-	F	G	1.00	0.0	0.0	0.4
A-8	5	-	-	-	-	-	-	-	F	G	1.00	0.0	0.0	1.1
B-8	1	-	-	-	-	-	-	-	F	G	1.00	0.0	0.0	2.2
B-8	2	-	-	-	-	-	-	-	F	G	1.00	0.0	0.0	1.2
B-8	3	-	-	-	-	-	-	-	F	G	1.00	0.0	0.0	0.7
B-8	4	-	-	-	-	-	-	-	F	G	1.00	0.0	0.0	0.3
B-8	5	-	-	-	-	-	-	-	F	G	1.00	0.0	0.0	1.1
D-8	1	-	-	-	-	-	-	-	F	G	1.00	0.0	0.0	2.1
D-8	2	-	-	-	-	-	-	-	F	G	1.00	0.0	0.0	1.1
D-8	3-4	-	-	-	-	-	-	-	F	G	1.00	0.0	0.0	1.1
D-8	5	-	-	-	-	-	-	-	F	G	1.00	0.0	0.0	1.1
E-8	1	-	-	-	-	-	-	-	F	G	1.00	0.0	0.0	2.1
E-8	2	-	-	-	-	-	-	-	F	G	1.00	0.0	0.0	1.1
E-8	3-4	-	-	-	-	-	-	-	F	G	1.00	0.0	0.0	1.1
E-8	5	-	-	-	-	-	-	-	F	G	1.00	0.0	0.0	1.1
F-8	1	-	-	-	-	-	-	-	F	G	1.00	0.0	0.0	2.2
F-8	2	-	-	-	-	-	-	-	F	G	1.00	0.0	0.0	1.2
F-8	3-4	-	-	-	-	-	-	-	F	G	1.00	0.0	0.0	1.2
F-8	5	-	-	-	-	-	-	-	F	G	1.00	0.0	0.0	1.1
G-8	1	-	-	-	-	-	-	-	F	G	1.00	0.0	0.0	1.7
G-8	2	-	-	-	-	-	-	-	F	G	1.00	0.0	0.0	0.9
G-8	3-4	-	-	-	-	-	-	-	F	G	1.00	0.0	0.0	0.9
G-8	5	-	-	-	-	-	-	-	F	G	1.00	0.0	0.0	0.9
A-9	1	-	-	-	-	-	-	-	F	G	1.00	0.0	0.0	2.2
A-9	2-3	-	-	-	-	-	-	-	F	G	1.00	0.0	0.0	2.0
A-9	4	-	-	-	-	-	-	-	F	G	1.00	0.0	0.0	0.4
A-9	5	-	-	-	-	-	-	-	F	G	1.00	0.0	0.0	1.1
B-9	1	-	-	-	-	-	-	-	F	G	1.00	0.0	0.0	2.2
B-9	2	-	-	-	-	-	-	-	F	G	1.00	0.0	0.0	1.2
B-9	3	-	-	-	-	-	-	-	F	G	1.00	0.0	0.0	0.7
B-9	4	-	-	-	-	-	-	-	F	G	1.00	0.0	0.0	0.3
B-9	5	-	-	-	-	-	-	-	F	G	1.00	0.0	0.0	1.1
D-9	1	-	-	-	-	-	-	-	F	G	1.00	0.0	0.0	2.2
D-9	2	-	-	-	-	-	-	-	F	G	1.00	0.0	0.0	1.2
D-9	3-4	-	-	-	-	-	-	-	F	G	1.00	0.0	0.0	1.2
D-9	5	-	-	-	-	-	-	-	F	G	1.00	0.0	0.0	1.1
E-9	1	-	-	-	-	-	-	-	F	G	1.00	0.0	0.0	2.2
E-9	2	-	-	-	-	-	-	-	F	G	1.00	0.0	0.0	1.2
E-9	3-4	-	-	-	-	-	-	-	F	G	1.00	0.0	0.0	1.2
E-9	5	-	-	-	-	-	-	-	F	G	1.00	0.0	0.0	1.1
F-9	1	-	-	-	-	-	-	-	F	G	1.00	0.0	0.0	2.2
F-9	2	-	-	-	-	-	-	-	F	G	1.00	0.0	0.0	1.2
F-9	3-4	-	-	-	-	-	-	-	F	G	1.00	0.0	0.0	1.2
F-9	5	-	-	-	-	-	-	-	F	G	1.00	0.0	0.0	1.1
G-9	1	-	-	-	-	-	-	-	F	G	1.00	0.0	0.0	3.0

Beam Loads (D0)

Class = F: Force M: Moment
System = L: Local Force/Moment referred to local coordinates (1, 2, 3)
G: Global Force/Moment referred to global coordinates (X, Y, Z)
Axis = (1, 2, 3) if System = L, or (X, Y, Z) if System = G
Units = Distributed Force: (ton/m), Distributed Moment: (ton-m/m)
Concentrated Force: (ton), Concentrated Moment: (ton-m)

		Distributed Force/Moment							Concentrated Force/Moment					
Beam	Floor	Class	Sys	Axis	A/L	B/L	Wi	Wj	Class	Sys	A/L	P1\Px	P2\Py	P3\Pz

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Beam	Floor	Class	Sys	Axis	A/L	B/L	Wi	Wj	Class	Sys	A/L	P1\Px	P2\Py	P3\Pz
A(1-3)	2	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
A(3-4)	2	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
A(7-8)	2	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
A(8-9)	2	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
B(1-3)	2	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
B(3-4)	2	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
B(7-8)	2	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
B(8-9)	2	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
C(1-2)	2	F	G	Z	0.00	1.00	0.2	0.2	-	-	-	-	-	-
C(2-3)	2	F	G	Z	0.00	1.00	0.2	0.2	-	-	-	-	-	-
C(3-4)	2	F	G	Z	0.00	1.00	0.2	0.2	-	-	-	-	-	-
C(4-4a)	2	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
C(7-8)	2	F	G	Z	0.00	1.00	0.3	0.3	-	-	-	-	-	-
C(8-9)	2	F	G	Z	0.00	1.00	0.3	0.3	-	-	-	-	-	-
D(1-2)	2	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
D(2-3)	2	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
D(3-4)	2	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
D(4-4a)	2	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
D(7-8)	2	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
D(8-9)	2	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
E(1-3)	2	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
E(3-4)	2	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
E(7-8)	2	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
E(8-9)	2	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
F(1-3)	2	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
F(3-4)	2	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
F(5-5a)	2	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
F(7-8)	2	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
F(8-9)	2	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
G(1-3)	2	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
G(3-4)	2	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
G(5-5a)	2	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
G(7-8)	2	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
G(8-9)	2	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
B(1'-3)	3	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
B(3-4)	3	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
B(7-8)	3	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
B(8-14)	3	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
C(1-2)	3	F	G	Z	0.00	1.00	0.2	0.2	-	-	-	-	-	-
C(2-3)	3	F	G	Z	0.00	1.00	0.2	0.2	-	-	-	-	-	-
C(3-4)	3	F	G	Z	0.00	1.00	0.3	0.3	-	-	-	-	-	-
C(4-4a)	3	F	G	Z	0.00	1.00	0.3	0.3	-	-	-	-	-	-
C(6-7)	3	F	G	Z	0.00	1.00	0.3	0.3	-	-	-	-	-	-
C(7-8)	3	F	G	Z	0.00	1.00	0.3	0.3	-	-	-	-	-	-
C(8-9)	3	F	G	Z	0.00	1.00	0.3	0.3	-	-	-	-	-	-
D(1-2)	3	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
D(2-3)	3	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
D(3-4)	3	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
D(4-4a)	3	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
D(6-7)	3	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
D(7-8)	3	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
D(8-9)	3	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
E(1-3)	3	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
E(3-4)	3	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
E(7-8)	3	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
E(8-9)	3	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
F(1-3)	3	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
F(8-9)	3	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
A(1-3)	4	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
A(3-4)	4	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
A(7-8)	4	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
A(8-9)	4	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
B(1-3)	4	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
B(3-4)	4	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
B(7-8)	4	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
B(8-9)	4	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
B(1-3)	5	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
B(3-4)	5	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
B(7-8)	5	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
B(8-9)	5	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
C(1-2)	5	F	G	Z	0.00	1.00	0.2	0.2	-	-	-	-	-	-
C(2-3)	5	F	G	Z	0.00	1.00	0.2	0.2	-	-	-	-	-	-
C(3-4)	5	F	G	Z	0.00	1.00	0.2	0.2	-	-	-	-	-	-
C(4-4a)	5	F	G	Z	0.00	1.00	0.3	0.3	-	-	-	-	-	-
C(6-7)	5	F	G	Z	0.00	1.00	0.3	0.3	-	-	-	-	-	-
C(7-8)	5	F	G	Z	0.00	1.00	0.3	0.3	-	-	-	-	-	-
C(8-9)	5	F	G	Z	0.00	1.00	0.3	0.3	-	-	-	-	-	-
D(1-2)	5	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-

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Beam	Floor	Class	Sys	Axis	A/L	B/L	Wi	Wj	Class	Sys	A/L	P1\Px	P2\Py	P3\Pz
D(2-3)	5	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
D(3-4)	5	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
D(4-4a)	5	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
D(6-7)	5	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
D(7-8)	5	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
D(8-9)	5	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
E(1-3)	5	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
E(3-4)	5	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
E(7-8)	5	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
E(8-9)	5	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
F(1-3)	5	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
F(8-9)	5	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
A(1-3)	6	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
A(3-4)	6	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
A(4-7)	6	F	G	Z	0.00	1.00	0.0	0.0	-	-	-	-	-	-
A(7-8)	6	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
A(8-9)	6	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
B(1-3)	6	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
B(3-4)	6	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
B(4-7)	6	F	G	Z	0.00	1.00	0.0	0.0	-	-	-	-	-	-
B(7-8)	6	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
B(8-9)	6	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
C(1-2)	6	F	G	Z	0.00	1.00	0.2	0.2	-	-	-	-	-	-
C(2-3)	6	F	G	Z	0.00	1.00	0.2	0.2	-	-	-	-	-	-
C(3-4)	6	F	G	Z	0.00	1.00	0.2	0.2	-	-	-	-	-	-
C(4-7)	6	F	G	Z	0.00	1.00	0.0	0.0	-	-	-	-	-	-
C(7-8)	6	F	G	Z	0.00	1.00	0.3	0.3	-	-	-	-	-	-
C(8-9)	6	F	G	Z	0.00	1.00	0.3	0.3	-	-	-	-	-	-
D(1-2)	6	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
D(2-3)	6	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
D(3-4)	6	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
D(4-7)	6	F	G	Z	0.00	1.00	0.0	0.0	-	-	-	-	-	-
D(7-8)	6	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
D(8-9)	6	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
E(1-3)	6	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
E(3-4)	6	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
E(4-7)	6	F	G	Z	0.00	1.00	0.0	0.0	-	-	-	-	-	-
E(7-8)	6	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
E(8-9)	6	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
E'(4-7)	6	F	G	Z	0.00	1.00	0.0	0.0	-	-	-	-	-	-
F(1-3)	6	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
F(3-4)	6	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
F(4-7)	6	F	G	Z	0.00	1.00	0.0	0.0	-	-	-	-	-	-
F(7-8)	6	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
F(8-9)	6	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
H(4-7)	6	F	G	Z	0.00	1.00	0.0	0.0	-	-	-	-	-	-
G(3-4)	6	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
G(4-7)	6	F	G	Z	0.00	1.00	0.0	0.0	-	-	-	-	-	-
G(7-8)	6	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
1(A-B)	2	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
1(B-C)	2	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
1(C-D)	2	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
1(D-E)	2	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
1(E-F)	2	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
1(F-G)	2	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
3(A-B)	2	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
3(B-C)	2	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
3(C-D)	2	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
3(D-E)	2	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
3(E-F)	2	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
3(F-G)	2	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
4(B-C)	2	F	G	Z	0.00	1.00	0.2	0.2	-	-	-	-	-	-
4(C-D)	2	F	G	Z	0.00	1.00	0.2	0.2	-	-	-	-	-	-
5(E'-F)	2	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
5(F-G)	2	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
5a(E'-F)	2	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
5a(F-G)	2	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
7(B-C)	2	F	G	Z	0.00	1.00	0.2	0.2	-	-	-	-	-	-
7(C-D)	2	F	G	Z	0.00	1.00	0.2	0.2	-	-	-	-	-	-
8(A-B)	2	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
8(B-C)	2	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
8(C-D)	2	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
8(D-E)	2	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
8(E-F)	2	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
8(F-G)	2	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
9(A-B)	2	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
9(B-C)	2	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
9(C-D)	2	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-

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Beam	Floor	Class	Sys	Axis	A/L	B/L	Wi	Wj	Class	Sys	A/L	P1\Px	P2\Py	P3\Pz
9(D-E)	2	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
9(E-F)	2	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
9(F-G)	2	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
1(B-C)	3	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
1(C-D)	3	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
1(D-E)	3	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
1(E-F)	3	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
3(B-C)	3	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
3(C-D)	3	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
3(D-E)	3	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
3(E-F)	3	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
3(F-G)	3	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
4(B-C)	3	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
4(C-D)	3	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
7(B-C)	3	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
7(C-D)	3	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
8(B-C)	3	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
8(C-D)	3	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
8(D-E)	3	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
8(E-F)	3	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
8(F-G)	3	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
9(B-C)	3	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
9(C-D)	3	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
9(D-E)	3	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
9(E-F)	3	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
1(A-B)	4	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
3(A-B)	4	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
8(A-B)	4	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
9(A-B)	4	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
1(B-C)	5	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
1(C-D)	5	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
1(D-E)	5	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
1(E-F)	5	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
3(B-C)	5	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
3(C-D)	5	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
3(D-E)	5	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
3(E-F)	5	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
3(F-G)	5	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
4(B-C)	5	F	G	Z	0.00	1.00	0.2	0.2	-	-	-	-	-	-
4(C-D)	5	F	G	Z	0.00	1.00	0.2	0.2	-	-	-	-	-	-
7(B-C)	5	F	G	Z	0.00	1.00	0.2	0.2	-	-	-	-	-	-
7(C-D)	5	F	G	Z	0.00	1.00	0.2	0.2	-	-	-	-	-	-
8(B-C)	5	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
8(C-D)	5	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
8(D-E)	5	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
8(E-F)	5	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
8(F-G)	5	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
9(B-C)	5	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
9(C-D)	5	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
9(D-E)	5	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
9(E-F)	5	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
1(A-B)	6	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
1(B-C)	6	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
1(C-D)	6	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
1(D-E)	6	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
1(E-F)	6	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
3(A-B)	6	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
3(B-C)	6	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
3(C-D)	6	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
3(D-E)	6	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
3(E-F)	6	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
3(F-G)	6	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
4(A-B)	6	F	G	Z	0.00	1.00	0.3	0.3	-	-	-	-	-	-
4(B-C)	6	F	G	Z	0.00	1.00	0.3	0.3	-	-	-	-	-	-
4(C-D)	6	F	G	Z	0.00	1.00	0.3	0.3	-	-	-	-	-	-
4(D-E)	6	F	G	Z	0.00	1.00	0.3	0.3	-	-	-	-	-	-
4(E-E')	6	F	G	Z	0.00	1.00	0.3	0.3	-	-	-	-	-	-
4(E'-F)	6	F	G	Z	0.00	1.00	0.3	0.3	-	-	-	-	-	-
4(F-H)	6	F	G	Z	0.00	1.00	0.3	0.3	-	-	-	-	-	-
4(H-G)	6	F	G	Z	0.00	1.00	0.3	0.3	-	-	-	-	-	-
7(A-B)	6	F	G	Z	0.00	1.00	0.3	0.3	-	-	-	-	-	-
7(B-C)	6	F	G	Z	0.00	1.00	0.3	0.3	-	-	-	-	-	-
7(C-D)	6	F	G	Z	0.00	1.00	0.3	0.3	-	-	-	-	-	-
7(D-E)	6	F	G	Z	0.00	1.00	0.3	0.3	-	-	-	-	-	-
7(E-E')	6	F	G	Z	0.00	1.00	0.3	0.3	-	-	-	-	-	-
7(E'-F)	6	F	G	Z	0.00	1.00	0.3	0.3	-	-	-	-	-	-
7(F-H)	6	F	G	Z	0.00	1.00	0.3	0.3	-	-	-	-	-	-
7(H-G)	6	F	G	Z	0.00	1.00	0.3	0.3	-	-	-	-	-	-

Beam	Floor	Class	Sys	Axis	A/L	B/L	Wi	Wj	Class	Sys	A/L	P1\Px	P2\Py	P3\Pz
8(A-B)	6	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
8(B-C)	6	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
8(C-D)	6	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
8(D-E)	6	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
8(E-F)	6	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
8(F-G)	6	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
9(A-B)	6	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
9(B-C)	6	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
9(C-D)	6	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
9(D-E)	6	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
9(E-F)	6	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-

Wall Loads (D0)

Class = F: Force M: Moment
System = L: Local Force/Moment referred to local coordinates (1, 2, 3)
G: Global Force/Moment referred to global coordinates (X, Y, Z)
Side = 1:i-j 2:j-k 3:l-k 4:i-l 5:Surface
Axis = (1, 2, 3) if System = L, or (X, Y, Z) if System = G
Units = Distributed Force: (ton/m), Distributed Moment: (ton-m/m)
Concentrated Force: (ton), Concentrated Moment: (ton-m)

		Distributed Force/Moment							Concentrated Force/Moment						
Wall	Floor	Clas	Sys	Side	Axs	A/L	B/L	Wi	Wj	Clas	Sys	Side	A/L	P1\Px	P2\Py	P3\Pz
C(2-3)	1	F	G	3	Z	0.00	1.00	2.3	2.3	-	-	-	-	-	-	-
D(2-3)	1	F	G	3	Z	0.00	1.00	2.3	2.3	-	-	-	-	-	-	-
2(C-D)	1	F	G	3	Z	0.00	1.00	2.3	2.3	-	-	-	-	-	-	-
C(2-3)	2	F	G	3	Z	0.00	1.00	1.0	1.0	-	-	-	-	-	-	-
D(2-3)	2	F	G	3	Z	0.00	1.00	1.0	1.0	-	-	-	-	-	-	-
2(C-D)	2	F	G	3	Z	0.00	1.00	1.0	1.0	-	-	-	-	-	-	-
C(2-3)	3	F	G	3	Z	0.00	1.00	0.6	0.6	-	-	-	-	-	-	-
D(2-3)	3	F	G	3	Z	0.00	1.00	0.6	0.6	-	-	-	-	-	-	-
2(C-D)	3	F	G	3	Z	0.00	1.00	0.6	0.6	-	-	-	-	-	-	-
C(2-3)	4	F	G	3	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-	-
D(2-3)	4	F	G	3	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-	-
2(C-D)	4	F	G	3	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-	-
C(2-3)	5	F	G	3	Z	0.00	1.00	1.0	1.0	-	-	-	-	-	-	-
D(2-3)	5	F	G	3	Z	0.00	1.00	1.0	1.0	-	-	-	-	-	-	-
2(C-D)	5	F	G	3	Z	0.00	1.00	1.0	1.0	-	-	-	-	-	-	-

LOAD CASE 2 : DEAD (DL)

Number of nodal loads .... = 0
Number of column loads ... = 0
Number of beam loads ..... = 230
Number of wall loads ..... = 12

Beam Loads (DL)

Class = F: Force M: Moment
System = L: Local Force/Moment referred to local coordinates (1, 2, 3)
G: Global Force/Moment referred to global coordinates (X, Y, Z)
Axis = (1, 2, 3) if System = L, or (X, Y, Z) if System = G
Units = Distributed Force: (ton/m), Distributed Moment: (ton-m/m)
Concentrated Force: (ton), Concentrated Moment: (ton-m)

		Distributed Force/Moment							Concentrated Force/Moment					
Beam	Floor	Class	Sys	Axis	A/L	B/L	Wi	Wj	Class	Sys	A/L	P1\Px	P2\Py	P3\Pz
A(1-3)	2	F	G	Z	0.00	1.00	0.1	0.1	-	-	-	-	-	-
A(3-4)	2	F	G	Z	0.00	1.00	0.6	0.6	-	-	-	-	-	-
A(7-8)	2	F	G	Z	0.00	1.00	0.7	0.7	-	-	-	-	-	-
B(1-3)	2	F	G	Z	0.00	1.00	0.6	0.6	-	-	-	-	-	-
B(3-4)	2	F	G	Z	0.00	1.00	1.0	1.0	-	-	-	-	-	-
B(7-8)	2	F	G	Z	0.00	1.00	1.1	1.1	-	-	-	-	-	-
B(8-9)	2	F	G	Z	0.00	1.00	0.5	0.5	-	-	-	-	-	-
C(1-2)	2	F	G	Z	0.00	1.00	1.0	1.0	-	-	-	-	-	-
C(3-4)	2	F	G	Z	0.00	1.00	0.7	0.7	-	-	-	-	-	-
C(4-4a)	2	F	G	Z	0.00	1.00	0.9	0.9	-	-	-	-	-	-
C(7-8)	2	F	G	Z	0.00	1.00	0.7	0.7	-	-	-	-	-	-

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Beam	Floor	Class	Sys	Axis	A/L	B/L	Wi	Wj	Class	Sys	A/L	P1\Px	P2\Py	P3\Pz
C(8-9)	2	F	G	Z	0.00	1.00	1.0	1.0	-	-	-	-	-	-
D(1-2)	2	F	G	Z	0.00	1.00	1.3	1.3	-	-	-	-	-	-
D(3-4)	2	F	G	Z	0.00	1.00	1.1	1.1	-	-	-	-	-	-
D(4-4a)	2	F	G	Z	0.00	1.00	1.7	1.7	-	-	-	-	-	-
D(7-8)	2	F	G	Z	0.00	1.00	1.2	1.2	-	-	-	-	-	-
D(8-9)	2	F	G	Z	0.00	1.00	1.3	1.3	-	-	-	-	-	-
E(1-3)	2	F	G	Z	0.00	1.00	2.0	2.0	-	-	-	-	-	-
E(3-4)	2	F	G	Z	0.00	1.00	1.6	1.6	-	-	-	-	-	-
E(7-8)	2	F	G	Z	0.00	1.00	1.8	1.8	-	-	-	-	-	-
E(8-9)	2	F	G	Z	0.00	1.00	2.0	2.0	-	-	-	-	-	-
F(1-3)	2	F	G	Z	0.00	1.00	2.0	2.0	-	-	-	-	-	-
F(3-4)	2	F	G	Z	0.00	1.00	1.3	1.3	-	-	-	-	-	-
F(5-5a)	2	F	G	Z	0.00	1.00	1.1	1.1	-	-	-	-	-	-
F(7-8)	2	F	G	Z	0.00	1.00	1.4	1.4	-	-	-	-	-	-
F(8-9)	2	F	G	Z	0.00	1.00	2.0	2.0	-	-	-	-	-	-
G(1-3)	2	F	G	Z	0.00	1.00	0.9	0.9	-	-	-	-	-	-
G(3-4)	2	F	G	Z	0.00	1.00	0.6	0.6	-	-	-	-	-	-
G(5-5a)	2	F	G	Z	0.00	1.00	0.9	0.9	-	-	-	-	-	-
G(7-8)	2	F	G	Z	0.00	1.00	0.7	0.7	-	-	-	-	-	-
G(8-9)	2	F	G	Z	0.00	1.00	0.9	0.9	-	-	-	-	-	-
B(1'-3)	3	F	G	Z	0.00	1.00	0.5	0.5	-	-	-	-	-	-
B(3-4)	3	F	G	Z	0.00	1.00	0.3	0.3	-	-	-	-	-	-
B(7-8)	3	F	G	Z	0.00	1.00	0.3	0.3	-	-	-	-	-	-
B(8-14)	3	F	G	Z	0.00	1.00	0.5	0.5	-	-	-	-	-	-
C(1-2)	3	F	G	Z	0.00	1.00	0.6	0.6	-	-	-	-	-	-
C(3-4)	3	F	G	Z	0.00	1.00	0.7	0.7	-	-	-	-	-	-
C(4-4a)	3	F	G	Z	0.00	1.00	1.0	1.0	-	-	-	-	-	-
C(6-7)	3	F	G	Z	0.00	1.00	1.0	1.0	-	-	-	-	-	-
C(7-8)	3	F	G	Z	0.00	1.00	0.7	0.7	-	-	-	-	-	-
C(8-9)	3	F	G	Z	0.00	1.00	0.9	0.9	-	-	-	-	-	-
D(1-2)	3	F	G	Z	0.00	1.00	1.3	1.3	-	-	-	-	-	-
D(3-4)	3	F	G	Z	0.00	1.00	1.0	1.0	-	-	-	-	-	-
D(4-4a)	3	F	G	Z	0.00	1.00	1.7	1.7	-	-	-	-	-	-
D(6-7)	3	F	G	Z	0.00	1.00	1.8	1.8	-	-	-	-	-	-
D(7-8)	3	F	G	Z	0.00	1.00	1.0	1.0	-	-	-	-	-	-
D(8-9)	3	F	G	Z	0.00	1.00	1.3	1.3	-	-	-	-	-	-
E(1-3)	3	F	G	Z	0.00	1.00	2.0	2.0	-	-	-	-	-	-
E(3-4)	3	F	G	Z	0.00	1.00	1.6	1.6	-	-	-	-	-	-
E(7-8)	3	F	G	Z	0.00	1.00	1.5	1.5	-	-	-	-	-	-
E(8-9)	3	F	G	Z	0.00	1.00	2.0	2.0	-	-	-	-	-	-
F(1-3)	3	F	G	Z	0.00	1.00	1.2	1.2	-	-	-	-	-	-
F(8-9)	3	F	G	Z	0.00	1.00	1.2	1.2	-	-	-	-	-	-
A(1-3)	4	F	G	Z	0.00	1.00	0.1	0.1	-	-	-	-	-	-
A(3-4)	4	F	G	Z	0.00	1.00	0.6	0.6	-	-	-	-	-	-
A(7-8)	4	F	G	Z	0.00	1.00	0.6	0.6	-	-	-	-	-	-
B(1-3)	4	F	G	Z	0.00	1.00	0.1	0.1	-	-	-	-	-	-
B(3-4)	4	F	G	Z	0.00	1.00	0.6	0.6	-	-	-	-	-	-
B(7-8)	4	F	G	Z	0.00	1.00	0.6	0.6	-	-	-	-	-	-
B(1-3)	5	F	G	Z	0.00	1.00	0.5	0.5	-	-	-	-	-	-
B(3-4)	5	F	G	Z	0.00	1.00	0.3	0.3	-	-	-	-	-	-
B(7-8)	5	F	G	Z	0.00	1.00	0.3	0.3	-	-	-	-	-	-
B(8-9)	5	F	G	Z	0.00	1.00	0.5	0.5	-	-	-	-	-	-
C(1-2)	5	F	G	Z	0.00	1.00	1.0	1.0	-	-	-	-	-	-
C(3-4)	5	F	G	Z	0.00	1.00	0.7	0.7	-	-	-	-	-	-
C(4-4a)	5	F	G	Z	0.00	1.00	1.1	1.1	-	-	-	-	-	-
C(6-7)	5	F	G	Z	0.00	1.00	1.1	1.1	-	-	-	-	-	-
C(7-8)	5	F	G	Z	0.00	1.00	0.7	0.7	-	-	-	-	-	-
C(8-9)	5	F	G	Z	0.00	1.00	1.0	1.0	-	-	-	-	-	-
D(1-2)	5	F	G	Z	0.00	1.00	1.3	1.3	-	-	-	-	-	-
D(3-4)	5	F	G	Z	0.00	1.00	1.1	1.1	-	-	-	-	-	-
D(4-4a)	5	F	G	Z	0.00	1.00	1.8	1.8	-	-	-	-	-	-
D(6-7)	5	F	G	Z	0.00	1.00	1.8	1.8	-	-	-	-	-	-
D(7-8)	5	F	G	Z	0.00	1.00	1.1	1.1	-	-	-	-	-	-
D(8-9)	5	F	G	Z	0.00	1.00	1.3	1.3	-	-	-	-	-	-
E(1-3)	5	F	G	Z	0.00	1.00	2.0	2.0	-	-	-	-	-	-
E(3-4)	5	F	G	Z	0.00	1.00	1.7	1.7	-	-	-	-	-	-
E(7-8)	5	F	G	Z	0.00	1.00	1.8	1.8	-	-	-	-	-	-
E(8-9)	5	F	G	Z	0.00	1.00	2.0	2.0	-	-	-	-	-	-
F(1-3)	5	F	G	Z	0.00	1.00	1.2	1.2	-	-	-	-	-	-
F(8-9)	5	F	G	Z	0.00	1.00	1.2	1.2	-	-	-	-	-	-
A(1-3)	6	F	G	Z	0.00	1.00	0.2	0.2	-	-	-	-	-	-
A(3-4)	6	F	G	Z	0.00	1.00	0.1	0.1	-	-	-	-	-	-
A(4-7)	6	F	G	Z	0.00	1.00	0.2	0.2	-	-	-	-	-	-
A(7-8)	6	F	G	Z	0.00	1.00	0.1	0.1	-	-	-	-	-	-
A(8-9)	6	F	G	Z	0.00	1.00	0.2	0.2	-	-	-	-	-	-
B(1-3)	6	F	G	Z	0.00	1.00	0.3	0.3	-	-	-	-	-	-
B(3-4)	6	F	G	Z	0.00	1.00	0.2	0.2	-	-	-	-	-	-
B(4-7)	6	F	G	Z	0.00	1.00	0.3	0.3	-	-	-	-	-	-

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Beam	Floor	Class	Sys	Axis	A/L	B/L	Wi	Wj	Class	Sys	A/L	P1\Px	P2\Py	P3\Pz
B(7-8)	6	F	G	Z	0.00	1.00	0.2	0.2	-	-	-	-	-	-
B(8-9)	6	F	G	Z	0.00	1.00	0.3	0.3	-	-	-	-	-	-
C(1-2)	6	F	G	Z	0.00	1.00	0.2	0.2	-	-	-	-	-	-
C(3-4)	6	F	G	Z	0.00	1.00	0.2	0.2	-	-	-	-	-	-
C(4-7)	6	F	G	Z	0.00	1.00	0.2	0.2	-	-	-	-	-	-
C(7-8)	6	F	G	Z	0.00	1.00	0.2	0.2	-	-	-	-	-	-
C(8-9)	6	F	G	Z	0.00	1.00	0.2	0.2	-	-	-	-	-	-
D(1-2)	6	F	G	Z	0.00	1.00	0.3	0.3	-	-	-	-	-	-
D(3-4)	6	F	G	Z	0.00	1.00	0.2	0.2	-	-	-	-	-	-
D(4-7)	6	F	G	Z	0.00	1.00	0.3	0.3	-	-	-	-	-	-
D(7-8)	6	F	G	Z	0.00	1.00	0.2	0.2	-	-	-	-	-	-
D(8-9)	6	F	G	Z	0.00	1.00	0.3	0.3	-	-	-	-	-	-
E(1-3)	6	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
E(3-4)	6	F	G	Z	0.00	1.00	0.3	0.3	-	-	-	-	-	-
E(4-7)	6	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
E(7-8)	6	F	G	Z	0.00	1.00	0.3	0.3	-	-	-	-	-	-
E(8-9)	6	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
E'(4-7)	6	F	G	Z	0.00	1.00	0.3	0.3	-	-	-	-	-	-
F(1-3)	6	F	G	Z	0.00	1.00	0.3	0.3	-	-	-	-	-	-
F(3-4)	6	F	G	Z	0.00	1.00	0.3	0.3	-	-	-	-	-	-
F(4-7)	6	F	G	Z	0.00	1.00	0.3	0.3	-	-	-	-	-	-
F(7-8)	6	F	G	Z	0.00	1.00	0.3	0.3	-	-	-	-	-	-
F(8-9)	6	F	G	Z	0.00	1.00	0.2	0.2	-	-	-	-	-	-
H(4-7)	6	F	G	Z	0.00	1.00	0.2	0.2	-	-	-	-	-	-
G(3-4)	6	F	G	Z	0.00	1.00	0.2	0.2	-	-	-	-	-	-
G(4-7)	6	F	G	Z	0.00	1.00	0.0	0.0	-	-	-	-	-	-
G(7-8)	6	F	G	Z	0.00	1.00	0.2	0.2	-	-	-	-	-	-
1(A-B)	2	F	G	Z	0.00	1.00	1.2	1.2	-	-	-	-	-	-
1(B-C)	2	F	G	Z	0.00	1.00	0.1	0.1	-	-	-	-	-	-
1(C-D)	2	F	G	Z	0.00	1.00	0.2	0.2	-	-	-	-	-	-
1(D-E)	2	F	G	Z	0.00	1.00	0.2	0.2	-	-	-	-	-	-
1(E-F)	2	F	G	Z	0.00	1.00	0.2	0.2	-	-	-	-	-	-
1(F-G)	2	F	G	Z	0.00	1.00	0.2	0.2	-	-	-	-	-	-
3(A-B)	2	F	G	Z	0.00	1.00	1.6	1.6	-	-	-	-	-	-
3(B-C)	2	F	G	Z	0.00	1.00	0.3	0.3	-	-	-	-	-	-
3(C-D)	2	F	G	Z	0.00	1.00	0.3	0.3	-	-	-	-	-	-
3(D-E)	2	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
3(E-F)	2	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
3(F-G)	2	F	G	Z	0.00	1.00	0.3	0.3	-	-	-	-	-	-
4(B-C)	2	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
4(C-D)	2	F	G	Z	0.00	1.00	0.2	0.2	-	-	-	-	-	-
5(E'-F)	2	F	G	Z	0.00	1.00	0.3	0.3	-	-	-	-	-	-
5(F-G)	2	F	G	Z	0.00	1.00	0.5	0.5	-	-	-	-	-	-
5a(E'-F)	2	F	G	Z	0.00	1.00	0.3	0.3	-	-	-	-	-	-
5a(F-G)	2	F	G	Z	0.00	1.00	0.5	0.5	-	-	-	-	-	-
7(B-C)	2	F	G	Z	0.00	1.00	0.5	0.5	-	-	-	-	-	-
7(C-D)	2	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
8(A-B)	2	F	G	Z	0.00	1.00	1.5	1.5	-	-	-	-	-	-
8(B-C)	2	F	G	Z	0.00	1.00	0.3	0.3	-	-	-	-	-	-
8(C-D)	2	F	G	Z	0.00	1.00	0.3	0.3	-	-	-	-	-	-
8(D-E)	2	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
8(E-F)	2	F	G	Z	0.00	1.00	0.5	0.5	-	-	-	-	-	-
8(F-G)	2	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
9(A-B)	2	F	G	Z	0.00	1.00	1.3	1.3	-	-	-	-	-	-
9(B-C)	2	F	G	Z	0.00	1.00	0.1	0.1	-	-	-	-	-	-
9(C-D)	2	F	G	Z	0.00	1.00	0.1	0.1	-	-	-	-	-	-
9(D-E)	2	F	G	Z	0.00	1.00	0.2	0.2	-	-	-	-	-	-
9(E-F)	2	F	G	Z	0.00	1.00	0.2	0.2	-	-	-	-	-	-
9(F-G)	2	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
1(B-C)	3	F	G	Z	0.00	1.00	1.2	1.2	-	-	-	-	-	-
1(C-D)	3	F	G	Z	0.00	1.00	0.2	0.2	-	-	-	-	-	-
1(D-E)	3	F	G	Z	0.00	1.00	0.2	0.2	-	-	-	-	-	-
1(E-F)	3	F	G	Z	0.00	1.00	0.2	0.2	-	-	-	-	-	-
3(B-C)	3	F	G	Z	0.00	1.00	0.3	0.3	-	-	-	-	-	-
3(C-D)	3	F	G	Z	0.00	1.00	0.3	0.3	-	-	-	-	-	-
3(D-E)	3	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
3(E-F)	3	F	G	Z	0.00	1.00	0.5	0.5	-	-	-	-	-	-
4(B-C)	3	F	G	Z	0.00	1.00	0.6	0.6	-	-	-	-	-	-
4(C-D)	3	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
7(B-C)	3	F	G	Z	0.00	1.00	0.6	0.6	-	-	-	-	-	-
7(C-D)	3	F	G	Z	0.00	1.00	0.3	0.3	-	-	-	-	-	-
8(B-C)	3	F	G	Z	0.00	1.00	0.3	0.3	-	-	-	-	-	-
8(C-D)	3	F	G	Z	0.00	1.00	0.3	0.3	-	-	-	-	-	-
8(D-E)	3	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
8(E-F)	3	F	G	Z	0.00	1.00	0.5	0.5	-	-	-	-	-	-
9(B-C)	3	F	G	Z	0.00	1.00	1.0	1.0	-	-	-	-	-	-
9(C-D)	3	F	G	Z	0.00	1.00	0.1	0.1	-	-	-	-	-	-
9(D-E)	3	F	G	Z	0.00	1.00	0.2	0.2	-	-	-	-	-	-

Company: AC INGENIERIA Engineer: ALVARO CABALLERO
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Beam	Floor	Class	Sys	Axis	A/L	B/L	Wi	Wj	Class	Sys	A/L	P1\Px	P2\Py	P3\Pz
9(E-F)	3	F	G	Z	0.00	1.00	0.2	0.2	-	-	-	-	-	-
1(A-B)	4	F	G	Z	0.00	1.00	1.2	1.2	-	-	-	-	-	-
3(A-B)	4	F	G	Z	0.00	1.00	1.6	1.6	-	-	-	-	-	-
8(A-B)	4	F	G	Z	0.00	1.00	1.5	1.5	-	-	-	-	-	-
9(A-B)	4	F	G	Z	0.00	1.00	1.3	1.3	-	-	-	-	-	-
1(B-C)	5	F	G	Z	0.00	1.00	0.2	0.2	-	-	-	-	-	-
1(C-D)	5	F	G	Z	0.00	1.00	0.2	0.2	-	-	-	-	-	-
1(D-E)	5	F	G	Z	0.00	1.00	0.2	0.2	-	-	-	-	-	-
1(E-F)	5	F	G	Z	0.00	1.00	0.2	0.2	-	-	-	-	-	-
3(B-C)	5	F	G	Z	0.00	1.00	0.3	0.3	-	-	-	-	-	-
3(C-D)	5	F	G	Z	0.00	1.00	0.3	0.3	-	-	-	-	-	-
3(D-E)	5	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
3(E-F)	5	F	G	Z	0.00	1.00	0.5	0.5	-	-	-	-	-	-
4(B-C)	5	F	G	Z	0.00	1.00	0.5	0.5	-	-	-	-	-	-
4(C-D)	5	F	G	Z	0.00	1.00	0.2	0.2	-	-	-	-	-	-
7(B-C)	5	F	G	Z	0.00	1.00	0.5	0.5	-	-	-	-	-	-
7(C-D)	5	F	G	Z	0.00	1.00	0.3	0.3	-	-	-	-	-	-
8(B-C)	5	F	G	Z	0.00	1.00	0.3	0.3	-	-	-	-	-	-
8(C-D)	5	F	G	Z	0.00	1.00	0.3	0.3	-	-	-	-	-	-
8(D-E)	5	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
8(E-F)	5	F	G	Z	0.00	1.00	0.5	0.5	-	-	-	-	-	-
9(B-C)	5	F	G	Z	0.00	1.00	0.1	0.1	-	-	-	-	-	-
9(C-D)	5	F	G	Z	0.00	1.00	0.1	0.1	-	-	-	-	-	-
9(D-E)	5	F	G	Z	0.00	1.00	0.2	0.2	-	-	-	-	-	-
9(E-F)	5	F	G	Z	0.00	1.00	0.2	0.2	-	-	-	-	-	-
1(A-B)	6	F	G	Z	0.00	1.00	0.0	0.0	-	-	-	-	-	-
1(B-C)	6	F	G	Z	0.00	1.00	0.0	0.0	-	-	-	-	-	-
1(C-D)	6	F	G	Z	0.00	1.00	0.0	0.0	-	-	-	-	-	-
1(D-E)	6	F	G	Z	0.00	1.00	0.0	0.0	-	-	-	-	-	-
1(E-F)	6	F	G	Z	0.00	1.00	0.1	0.1	-	-	-	-	-	-
3(A-B)	6	F	G	Z	0.00	1.00	0.1	0.1	-	-	-	-	-	-
3(B-C)	6	F	G	Z	0.00	1.00	0.1	0.1	-	-	-	-	-	-
3(C-D)	6	F	G	Z	0.00	1.00	0.2	0.2	-	-	-	-	-	-
3(D-E)	6	F	G	Z	0.00	1.00	0.1	0.1	-	-	-	-	-	-
3(E-F)	6	F	G	Z	0.00	1.00	0.1	0.1	-	-	-	-	-	-
3(F-G)	6	F	G	Z	0.00	1.00	0.0	0.0	-	-	-	-	-	-
4(A-B)	6	F	G	Z	0.00	1.00	0.1	0.1	-	-	-	-	-	-
4(B-C)	6	F	G	Z	0.00	1.00	0.1	0.1	-	-	-	-	-	-
4(C-D)	6	F	G	Z	0.00	1.00	0.1	0.1	-	-	-	-	-	-
4(D-E)	6	F	G	Z	0.00	1.00	0.1	0.1	-	-	-	-	-	-
4(E-E')	6	F	G	Z	0.00	1.00	0.1	0.1	-	-	-	-	-	-
4(E'-F)	6	F	G	Z	0.00	1.00	0.1	0.1	-	-	-	-	-	-
4(F-H)	6	F	G	Z	0.00	1.00	0.0	0.0	-	-	-	-	-	-
4(H-G)	6	F	G	Z	0.00	1.00	0.0	0.0	-	-	-	-	-	-
7(A-B)	6	F	G	Z	0.00	1.00	0.1	0.1	-	-	-	-	-	-
7(B-C)	6	F	G	Z	0.00	1.00	0.1	0.1	-	-	-	-	-	-
7(C-D)	6	F	G	Z	0.00	1.00	0.1	0.1	-	-	-	-	-	-
7(D-E)	6	F	G	Z	0.00	1.00	0.1	0.1	-	-	-	-	-	-
7(E-E')	6	F	G	Z	0.00	1.00	0.1	0.1	-	-	-	-	-	-
7(E'-F)	6	F	G	Z	0.00	1.00	0.1	0.1	-	-	-	-	-	-
7(F-H)	6	F	G	Z	0.00	1.00	0.0	0.0	-	-	-	-	-	-
7(H-G)	6	F	G	Z	0.00	1.00	0.0	0.0	-	-	-	-	-	-
8(A-B)	6	F	G	Z	0.00	1.00	0.1	0.1	-	-	-	-	-	-
8(B-C)	6	F	G	Z	0.00	1.00	0.1	0.1	-	-	-	-	-	-
8(C-D)	6	F	G	Z	0.00	1.00	0.1	0.1	-	-	-	-	-	-
8(D-E)	6	F	G	Z	0.00	1.00	0.1	0.1	-	-	-	-	-	-
8(E-F)	6	F	G	Z	0.00	1.00	0.1	0.1	-	-	-	-	-	-
8(F-G)	6	F	G	Z	0.00	1.00	0.0	0.0	-	-	-	-	-	-
9(A-B)	6	F	G	Z	0.00	1.00	0.0	0.0	-	-	-	-	-	-
9(B-C)	6	F	G	Z	0.00	1.00	0.0	0.0	-	-	-	-	-	-
9(C-D)	6	F	G	Z	0.00	1.00	0.0	0.0	-	-	-	-	-	-
9(D-E)	6	F	G	Z	0.00	1.00	0.0	0.0	-	-	-	-	-	-
9(E-F)	6	F	G	Z	0.00	1.00	0.1	0.1	-	-	-	-	-	-

Wall Loads (DL)

```
Class  = F: Force  M: Moment
System = L: Local  Force/Moment referred to local coordinates  (1, 2, 3)
         G: Global Force/Moment referred to global coordinates (X, Y, Z)
Side   = 1:i-j  2:j-k  3:l-k  4:i-l  5:Surface
Axis   = (1, 2, 3) if System = L, or (X, Y, Z) if System = G
Units =  Distributed Force: (ton/m), Distributed Moment: (ton-m/m)
         Concentrated Force: (ton), Concentrated Moment: (ton-m)
```

		Distributed Force/Moment								Concentrated Force/Moment						
Wall	Floor	Clas	Sys	Side	Axs	A/L	B/L	Wi	Wj	Clas	Sys	Side	A/L	P1\Px	P2\Py	P3\Pz
C(2-3)	1	F	G	3	Z	0.00	1.00	0.7	0.7	-	-	-	-	-	-	-
D(2-3)	1	F	G	3	Z	0.00	1.00	1.0	1.0	-	-	-	-	-	-	-
2(C-D)	1	F	G	3	Z	0.00	1.00	0.5	0.5	-	-	-	-	-	-	-
C(2-3)	2	F	G	3	Z	0.00	1.00	0.7	0.7	-	-	-	-	-	-	-
D(2-3)	2	F	G	3	Z	0.00	1.00	1.0	1.0	-	-	-	-	-	-	-
2(C-D)	2	F	G	3	Z	0.00	1.00	0.5	0.5	-	-	-	-	-	-	-
C(2-3)	4	F	G	3	Z	0.00	1.00	0.7	0.7	-	-	-	-	-	-	-
D(2-3)	4	F	G	3	Z	0.00	1.00	1.0	1.0	-	-	-	-	-	-	-
2(C-D)	4	F	G	3	Z	0.00	1.00	0.5	0.5	-	-	-	-	-	-	-
C(2-3)	5	F	G	3	Z	0.00	1.00	0.3	0.3	-	-	-	-	-	-	-
D(2-3)	5	F	G	3	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-	-
2(C-D)	5	F	G	3	Z	0.00	1.00	0.3	0.3	-	-	-	-	-	-	-

LOAD CASE 3 : LIVE (LL)

```
Number of nodal loads .... =  0
Number of column loads ... =  0
Number of beam loads ..... =  230
Number of wall loads ..... =  12
```

Beam Loads (LL)

```
Class  = F: Force  M: Moment
System = L: Local  Force/Moment referred to local coordinates  (1, 2, 3)
         G: Global Force/Moment referred to global coordinates (X, Y, Z)
Axis   = (1, 2, 3) if System = L, or (X, Y, Z) if System = G
Units =  Distributed Force: (ton/m), Distributed Moment: (ton-m/m)
         Concentrated Force: (ton), Concentrated Moment: (ton-m)
```

		Distributed Force/Moment							Concentrated Force/Moment					
Beam	Floor	Class	Sys	Axis	A/L	B/L	Wi	Wj	Class	Sys	A/L	P1\Px	P2\Py	P3\Pz
A(1-3)	2	F	G	Z	0.00	1.00	0.1	0.1	-	-	-	-	-	-
A(3-4)	2	F	G	Z	0.00	1.00	0.6	0.6	-	-	-	-	-	-
A(7-8)	2	F	G	Z	0.00	1.00	0.7	0.7	-	-	-	-	-	-
B(1-3)	2	F	G	Z	0.00	1.00	0.2	0.2	-	-	-	-	-	-
B(3-4)	2	F	G	Z	0.00	1.00	1.0	1.0	-	-	-	-	-	-
B(7-8)	2	F	G	Z	0.00	1.00	1.0	1.0	-	-	-	-	-	-
B(8-9)	2	F	G	Z	0.00	1.00	0.2	0.2	-	-	-	-	-	-
C(1-2)	2	F	G	Z	0.00	1.00	0.3	0.3	-	-	-	-	-	-
C(3-4)	2	F	G	Z	0.00	1.00	0.7	0.7	-	-	-	-	-	-
C(4-4a)	2	F	G	Z	0.00	1.00	0.3	0.3	-	-	-	-	-	-
C(7-8)	2	F	G	Z	0.00	1.00	0.7	0.7	-	-	-	-	-	-
C(8-9)	2	F	G	Z	0.00	1.00	0.3	0.3	-	-	-	-	-	-
D(1-2)	2	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
D(3-4)	2	F	G	Z	0.00	1.00	1.1	1.1	-	-	-	-	-	-
D(4-4a)	2	F	G	Z	0.00	1.00	0.6	0.6	-	-	-	-	-	-
D(7-8)	2	F	G	Z	0.00	1.00	1.1	1.1	-	-	-	-	-	-
D(8-9)	2	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
E(1-3)	2	F	G	Z	0.00	1.00	0.7	0.7	-	-	-	-	-	-
E(3-4)	2	F	G	Z	0.00	1.00	1.6	1.6	-	-	-	-	-	-
E(7-8)	2	F	G	Z	0.00	1.00	1.7	1.7	-	-	-	-	-	-
E(8-9)	2	F	G	Z	0.00	1.00	0.7	0.7	-	-	-	-	-	-
F(1-3)	2	F	G	Z	0.00	1.00	0.7	0.7	-	-	-	-	-	-
F(3-4)	2	F	G	Z	0.00	1.00	1.3	1.3	-	-	-	-	-	-
F(5-5a)	2	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
F(7-8)	2	F	G	Z	0.00	1.00	1.4	1.4	-	-	-	-	-	-
F(8-9)	2	F	G	Z	0.00	1.00	0.7	0.7	-	-	-	-	-	-
G(1-3)	2	F	G	Z	0.00	1.00	0.3	0.3	-	-	-	-	-	-
G(3-4)	2	F	G	Z	0.00	1.00	0.6	0.6	-	-	-	-	-	-
G(5-5a)	2	F	G	Z	0.00	1.00	0.3	0.3	-	-	-	-	-	-
G(7-8)	2	F	G	Z	0.00	1.00	0.7	0.7	-	-	-	-	-	-

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Project: CASA CORREGIDOR - SOGAMOSO BLOQUE NUEVO 4:19:05 p. m. 4/05/2022

Beam	Floor	Class	Sys	Axis	A/L	B/L	Wi	Wj	Class	Sys	A/L	P1\Px	P2\Py	P3\Pz
G(8-9)	2	F	G	Z	0.00	1.00	0.3	0.3	-	-	-	-	-	-
B(1'-3)	3	F	G	Z	0.00	1.00	0.2	0.2	-	-	-	-	-	-
B(3-4)	3	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
B(7-8)	3	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
B(8-14)	3	F	G	Z	0.00	1.00	0.2	0.2	-	-	-	-	-	-
C(1-2)	3	F	G	Z	0.00	1.00	0.2	0.2	-	-	-	-	-	-
C(3-4)	3	F	G	Z	0.00	1.00	0.7	0.7	-	-	-	-	-	-
C(4-4a)	3	F	G	Z	0.00	1.00	0.5	0.5	-	-	-	-	-	-
C(6-7)	3	F	G	Z	0.00	1.00	0.6	0.6	-	-	-	-	-	-
C(7-8)	3	F	G	Z	0.00	1.00	0.7	0.7	-	-	-	-	-	-
C(8-9)	3	F	G	Z	0.00	1.00	0.3	0.3	-	-	-	-	-	-
D(1-2)	3	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
D(3-4)	3	F	G	Z	0.00	1.00	1.1	1.1	-	-	-	-	-	-
D(4-4a)	3	F	G	Z	0.00	1.00	0.8	0.8	-	-	-	-	-	-
D(6-7)	3	F	G	Z	0.00	1.00	0.8	0.8	-	-	-	-	-	-
D(7-8)	3	F	G	Z	0.00	1.00	1.1	1.1	-	-	-	-	-	-
D(8-9)	3	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
E(1-3)	3	F	G	Z	0.00	1.00	0.7	0.7	-	-	-	-	-	-
E(3-4)	3	F	G	Z	0.00	1.00	1.6	1.6	-	-	-	-	-	-
E(7-8)	3	F	G	Z	0.00	1.00	1.5	1.5	-	-	-	-	-	-
E(8-9)	3	F	G	Z	0.00	1.00	0.7	0.7	-	-	-	-	-	-
F(1-3)	3	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
F(8-9)	3	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
A(1-3)	4	F	G	Z	0.00	1.00	0.1	0.1	-	-	-	-	-	-
A(3-4)	4	F	G	Z	0.00	1.00	0.6	0.6	-	-	-	-	-	-
A(7-8)	4	F	G	Z	0.00	1.00	0.6	0.6	-	-	-	-	-	-
B(1-3)	4	F	G	Z	0.00	1.00	0.1	0.1	-	-	-	-	-	-
B(3-4)	4	F	G	Z	0.00	1.00	0.6	0.6	-	-	-	-	-	-
B(7-8)	4	F	G	Z	0.00	1.00	0.6	0.6	-	-	-	-	-	-
B(1-3)	5	F	G	Z	0.00	1.00	0.2	0.2	-	-	-	-	-	-
B(3-4)	5	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
B(7-8)	5	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
B(8-9)	5	F	G	Z	0.00	1.00	0.2	0.2	-	-	-	-	-	-
C(1-2)	5	F	G	Z	0.00	1.00	0.3	0.3	-	-	-	-	-	-
C(3-4)	5	F	G	Z	0.00	1.00	0.7	0.7	-	-	-	-	-	-
C(4-4a)	5	F	G	Z	0.00	1.00	0.6	0.6	-	-	-	-	-	-
C(6-7)	5	F	G	Z	0.00	1.00	0.6	0.6	-	-	-	-	-	-
C(7-8)	5	F	G	Z	0.00	1.00	0.7	0.7	-	-	-	-	-	-
C(8-9)	5	F	G	Z	0.00	1.00	0.3	0.3	-	-	-	-	-	-
D(1-2)	5	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
D(3-4)	5	F	G	Z	0.00	1.00	1.1	1.1	-	-	-	-	-	-
D(4-4a)	5	F	G	Z	0.00	1.00	0.8	0.8	-	-	-	-	-	-
D(6-7)	5	F	G	Z	0.00	1.00	0.8	0.8	-	-	-	-	-	-
D(7-8)	5	F	G	Z	0.00	1.00	1.1	1.1	-	-	-	-	-	-
D(8-9)	5	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
E(1-3)	5	F	G	Z	0.00	1.00	0.7	0.7	-	-	-	-	-	-
E(3-4)	5	F	G	Z	0.00	1.00	1.6	1.6	-	-	-	-	-	-
E(7-8)	5	F	G	Z	0.00	1.00	1.7	1.7	-	-	-	-	-	-
E(8-9)	5	F	G	Z	0.00	1.00	0.7	0.7	-	-	-	-	-	-
F(1-3)	5	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
F(8-9)	5	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
A(1-3)	6	F	G	Z	0.00	1.00	0.1	0.1	-	-	-	-	-	-
A(3-4)	6	F	G	Z	0.00	1.00	0.1	0.1	-	-	-	-	-	-
A(4-7)	6	F	G	Z	0.00	1.00	0.3	0.3	-	-	-	-	-	-
A(7-8)	6	F	G	Z	0.00	1.00	0.1	0.1	-	-	-	-	-	-
A(8-9)	6	F	G	Z	0.00	1.00	0.1	0.1	-	-	-	-	-	-
B(1-3)	6	F	G	Z	0.00	1.00	0.1	0.1	-	-	-	-	-	-
B(3-4)	6	F	G	Z	0.00	1.00	0.1	0.1	-	-	-	-	-	-
B(4-7)	6	F	G	Z	0.00	1.00	0.3	0.3	-	-	-	-	-	-
B(7-8)	6	F	G	Z	0.00	1.00	0.1	0.1	-	-	-	-	-	-
B(8-9)	6	F	G	Z	0.00	1.00	0.1	0.1	-	-	-	-	-	-
C(1-2)	6	F	G	Z	0.00	1.00	0.1	0.1	-	-	-	-	-	-
C(3-4)	6	F	G	Z	0.00	1.00	0.1	0.1	-	-	-	-	-	-
C(4-7)	6	F	G	Z	0.00	1.00	0.2	0.2	-	-	-	-	-	-
C(7-8)	6	F	G	Z	0.00	1.00	0.1	0.1	-	-	-	-	-	-
C(8-9)	6	F	G	Z	0.00	1.00	0.1	0.1	-	-	-	-	-	-
D(1-2)	6	F	G	Z	0.00	1.00	0.1	0.1	-	-	-	-	-	-
D(3-4)	6	F	G	Z	0.00	1.00	0.1	0.1	-	-	-	-	-	-
D(4-7)	6	F	G	Z	0.00	1.00	0.3	0.3	-	-	-	-	-	-
D(7-8)	6	F	G	Z	0.00	1.00	0.1	0.1	-	-	-	-	-	-
D(8-9)	6	F	G	Z	0.00	1.00	0.1	0.1	-	-	-	-	-	-
E(1-3)	6	F	G	Z	0.00	1.00	0.2	0.2	-	-	-	-	-	-
E(3-4)	6	F	G	Z	0.00	1.00	0.1	0.1	-	-	-	-	-	-
E(4-7)	6	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
E(7-8)	6	F	G	Z	0.00	1.00	0.1	0.1	-	-	-	-	-	-
E(8-9)	6	F	G	Z	0.00	1.00	0.2	0.2	-	-	-	-	-	-
E'(4-7)	6	F	G	Z	0.00	1.00	0.3	0.3	-	-	-	-	-	-
F(1-3)	6	F	G	Z	0.00	1.00	0.1	0.1	-	-	-	-	-	-

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Beam	Floor	Class	Sys	Axis	A/L	B/L	Wi	Wj	Class	Sys	A/L	P1\Px	P2\Py	P3\Pz
F(3-4)	6	F	G	Z	0.00	1.00	0.2	0.2	-	-	-	-	-	-
F(4-7)	6	F	G	Z	0.00	1.00	0.3	0.3	-	-	-	-	-	-
F(7-8)	6	F	G	Z	0.00	1.00	0.2	0.2	-	-	-	-	-	-
F(8-9)	6	F	G	Z	0.00	1.00	0.1	0.1	-	-	-	-	-	-
H(4-7)	6	F	G	Z	0.00	1.00	0.2	0.2	-	-	-	-	-	-
G(3-4)	6	F	G	Z	0.00	1.00	0.1	0.1	-	-	-	-	-	-
G(4-7)	6	F	G	Z	0.00	1.00	0.0	0.0	-	-	-	-	-	-
G(7-8)	6	F	G	Z	0.00	1.00	0.1	0.1	-	-	-	-	-	-
1(A-B)	2	F	G	Z	0.00	1.00	1.1	1.1	-	-	-	-	-	-
1(B-C)	2	F	G	Z	0.00	1.00	0.0	0.0	-	-	-	-	-	-
1(C-D)	2	F	G	Z	0.00	1.00	0.1	0.1	-	-	-	-	-	-
1(D-E)	2	F	G	Z	0.00	1.00	0.1	0.1	-	-	-	-	-	-
1(E-F)	2	F	G	Z	0.00	1.00	0.1	0.1	-	-	-	-	-	-
1(F-G)	2	F	G	Z	0.00	1.00	0.1	0.1	-	-	-	-	-	-
3(A-B)	2	F	G	Z	0.00	1.00	1.4	1.4	-	-	-	-	-	-
3(B-C)	2	F	G	Z	0.00	1.00	0.2	0.2	-	-	-	-	-	-
3(C-D)	2	F	G	Z	0.00	1.00	0.3	0.3	-	-	-	-	-	-
3(D-E)	2	F	G	Z	0.00	1.00	0.2	0.2	-	-	-	-	-	-
3(E-F)	2	F	G	Z	0.00	1.00	0.3	0.3	-	-	-	-	-	-
3(F-G)	2	F	G	Z	0.00	1.00	0.2	0.2	-	-	-	-	-	-
4(B-C)	2	F	G	Z	0.00	1.00	0.2	0.2	-	-	-	-	-	-
4(C-D)	2	F	G	Z	0.00	1.00	0.1	0.1	-	-	-	-	-	-
5(E'-F)	2	F	G	Z	0.00	1.00	0.2	0.2	-	-	-	-	-	-
5(F-G)	2	F	G	Z	0.00	1.00	0.3	0.3	-	-	-	-	-	-
5a(E'-F)	2	F	G	Z	0.00	1.00	0.2	0.2	-	-	-	-	-	-
5a(F-G)	2	F	G	Z	0.00	1.00	0.3	0.3	-	-	-	-	-	-
7(B-C)	2	F	G	Z	0.00	1.00	0.2	0.2	-	-	-	-	-	-
7(C-D)	2	F	G	Z	0.00	1.00	0.2	0.2	-	-	-	-	-	-
8(A-B)	2	F	G	Z	0.00	1.00	1.4	1.4	-	-	-	-	-	-
8(B-C)	2	F	G	Z	0.00	1.00	0.2	0.2	-	-	-	-	-	-
8(C-D)	2	F	G	Z	0.00	1.00	0.2	0.2	-	-	-	-	-	-
8(D-E)	2	F	G	Z	0.00	1.00	0.2	0.2	-	-	-	-	-	-
8(E-F)	2	F	G	Z	0.00	1.00	0.3	0.3	-	-	-	-	-	-
8(F-G)	2	F	G	Z	0.00	1.00	0.2	0.2	-	-	-	-	-	-
9(A-B)	2	F	G	Z	0.00	1.00	1.2	1.2	-	-	-	-	-	-
9(B-C)	2	F	G	Z	0.00	1.00	0.0	0.0	-	-	-	-	-	-
9(C-D)	2	F	G	Z	0.00	1.00	0.0	0.0	-	-	-	-	-	-
9(D-E)	2	F	G	Z	0.00	1.00	0.1	0.1	-	-	-	-	-	-
9(E-F)	2	F	G	Z	0.00	1.00	0.1	0.1	-	-	-	-	-	-
9(F-G)	2	F	G	Z	0.00	1.00	0.1	0.1	-	-	-	-	-	-
1(B-C)	3	F	G	Z	0.00	1.00	1.1	1.1	-	-	-	-	-	-
1(C-D)	3	F	G	Z	0.00	1.00	0.1	0.1	-	-	-	-	-	-
1(D-E)	3	F	G	Z	0.00	1.00	0.1	0.1	-	-	-	-	-	-
1(E-F)	3	F	G	Z	0.00	1.00	0.1	0.1	-	-	-	-	-	-
3(B-C)	3	F	G	Z	0.00	1.00	0.2	0.2	-	-	-	-	-	-
3(C-D)	3	F	G	Z	0.00	1.00	0.3	0.3	-	-	-	-	-	-
3(D-E)	3	F	G	Z	0.00	1.00	0.2	0.2	-	-	-	-	-	-
3(E-F)	3	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
4(B-C)	3	F	G	Z	0.00	1.00	0.3	0.3	-	-	-	-	-	-
4(C-D)	3	F	G	Z	0.00	1.00	0.2	0.2	-	-	-	-	-	-
7(B-C)	3	F	G	Z	0.00	1.00	0.3	0.3	-	-	-	-	-	-
7(C-D)	3	F	G	Z	0.00	1.00	0.2	0.2	-	-	-	-	-	-
8(B-C)	3	F	G	Z	0.00	1.00	0.2	0.2	-	-	-	-	-	-
8(C-D)	3	F	G	Z	0.00	1.00	0.2	0.2	-	-	-	-	-	-
8(D-E)	3	F	G	Z	0.00	1.00	0.2	0.2	-	-	-	-	-	-
8(E-F)	3	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
9(B-C)	3	F	G	Z	0.00	1.00	0.9	0.9	-	-	-	-	-	-
9(C-D)	3	F	G	Z	0.00	1.00	0.0	0.0	-	-	-	-	-	-
9(D-E)	3	F	G	Z	0.00	1.00	0.1	0.1	-	-	-	-	-	-
9(E-F)	3	F	G	Z	0.00	1.00	0.1	0.1	-	-	-	-	-	-
1(A-B)	4	F	G	Z	0.00	1.00	1.1	1.1	-	-	-	-	-	-
3(A-B)	4	F	G	Z	0.00	1.00	1.4	1.4	-	-	-	-	-	-
8(A-B)	4	F	G	Z	0.00	1.00	1.4	1.4	-	-	-	-	-	-
9(A-B)	4	F	G	Z	0.00	1.00	1.2	1.2	-	-	-	-	-	-
1(B-C)	5	F	G	Z	0.00	1.00	0.1	0.1	-	-	-	-	-	-
1(C-D)	5	F	G	Z	0.00	1.00	0.1	0.1	-	-	-	-	-	-
1(D-E)	5	F	G	Z	0.00	1.00	0.1	0.1	-	-	-	-	-	-
1(E-F)	5	F	G	Z	0.00	1.00	0.1	0.1	-	-	-	-	-	-
3(B-C)	5	F	G	Z	0.00	1.00	0.2	0.2	-	-	-	-	-	-
3(C-D)	5	F	G	Z	0.00	1.00	0.3	0.3	-	-	-	-	-	-
3(D-E)	5	F	G	Z	0.00	1.00	0.2	0.2	-	-	-	-	-	-
3(E-F)	5	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
4(B-C)	5	F	G	Z	0.00	1.00	0.2	0.2	-	-	-	-	-	-
4(C-D)	5	F	G	Z	0.00	1.00	0.1	0.1	-	-	-	-	-	-
7(B-C)	5	F	G	Z	0.00	1.00	0.3	0.3	-	-	-	-	-	-
7(C-D)	5	F	G	Z	0.00	1.00	0.2	0.2	-	-	-	-	-	-
8(B-C)	5	F	G	Z	0.00	1.00	0.2	0.2	-	-	-	-	-	-
8(C-D)	5	F	G	Z	0.00	1.00	0.2	0.2	-	-	-	-	-	-

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Beam	Floor	Class	Sys	Axis	A/L	B/L	Wi	Wj	Class	Sys	A/L	P1\Px	P2\Py	P3\Pz
8(D-E)	5	F	G	Z	0.00	1.00	0.2	0.2	-	-	-	-	-	-
8(E-F)	5	F	G	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-
9(B-C)	5	F	G	Z	0.00	1.00	0.0	0.0	-	-	-	-	-	-
9(C-D)	5	F	G	Z	0.00	1.00	0.0	0.0	-	-	-	-	-	-
9(D-E)	5	F	G	Z	0.00	1.00	0.1	0.1	-	-	-	-	-	-
9(E-F)	5	F	G	Z	0.00	1.00	0.1	0.1	-	-	-	-	-	-
1(A-B)	6	F	G	Z	0.00	1.00	0.0	0.0	-	-	-	-	-	-
1(B-C)	6	F	G	Z	0.00	1.00	0.0	0.0	-	-	-	-	-	-
1(C-D)	6	F	G	Z	0.00	1.00	0.0	0.0	-	-	-	-	-	-
1(D-E)	6	F	G	Z	0.00	1.00	0.0	0.0	-	-	-	-	-	-
1(E-F)	6	F	G	Z	0.00	1.00	0.0	0.0	-	-	-	-	-	-
3(A-B)	6	F	G	Z	0.00	1.00	0.0	0.0	-	-	-	-	-	-
3(B-C)	6	F	G	Z	0.00	1.00	0.0	0.0	-	-	-	-	-	-
3(C-D)	6	F	G	Z	0.00	1.00	0.2	0.2	-	-	-	-	-	-
3(D-E)	6	F	G	Z	0.00	1.00	0.0	0.0	-	-	-	-	-	-
3(E-F)	6	F	G	Z	0.00	1.00	0.0	0.0	-	-	-	-	-	-
3(F-G)	6	F	G	Z	0.00	1.00	0.0	0.0	-	-	-	-	-	-
4(A-B)	6	F	G	Z	0.00	1.00	0.0	0.0	-	-	-	-	-	-
4(B-C)	6	F	G	Z	0.00	1.00	0.0	0.0	-	-	-	-	-	-
4(C-D)	6	F	G	Z	0.00	1.00	0.0	0.0	-	-	-	-	-	-
4(D-E)	6	F	G	Z	0.00	1.00	0.0	0.0	-	-	-	-	-	-
4(E-E')	6	F	G	Z	0.00	1.00	0.0	0.0	-	-	-	-	-	-
4(E'-F)	6	F	G	Z	0.00	1.00	0.0	0.0	-	-	-	-	-	-
4(F-H)	6	F	G	Z	0.00	1.00	0.0	0.0	-	-	-	-	-	-
4(H-G)	6	F	G	Z	0.00	1.00	0.0	0.0	-	-	-	-	-	-
7(A-B)	6	F	G	Z	0.00	1.00	0.0	0.0	-	-	-	-	-	-
7(B-C)	6	F	G	Z	0.00	1.00	0.0	0.0	-	-	-	-	-	-
7(C-D)	6	F	G	Z	0.00	1.00	0.0	0.0	-	-	-	-	-	-
7(D-E)	6	F	G	Z	0.00	1.00	0.0	0.0	-	-	-	-	-	-
7(E-E')	6	F	G	Z	0.00	1.00	0.0	0.0	-	-	-	-	-	-
7(E'-F)	6	F	G	Z	0.00	1.00	0.0	0.0	-	-	-	-	-	-
7(F-H)	6	F	G	Z	0.00	1.00	0.0	0.0	-	-	-	-	-	-
7(H-G)	6	F	G	Z	0.00	1.00	0.0	0.0	-	-	-	-	-	-
8(A-B)	6	F	G	Z	0.00	1.00	0.0	0.0	-	-	-	-	-	-
8(B-C)	6	F	G	Z	0.00	1.00	0.0	0.0	-	-	-	-	-	-
8(C-D)	6	F	G	Z	0.00	1.00	0.0	0.0	-	-	-	-	-	-
8(D-E)	6	F	G	Z	0.00	1.00	0.0	0.0	-	-	-	-	-	-
8(E-F)	6	F	G	Z	0.00	1.00	0.1	0.1	-	-	-	-	-	-
8(F-G)	6	F	G	Z	0.00	1.00	0.0	0.0	-	-	-	-	-	-
9(A-B)	6	F	G	Z	0.00	1.00	0.0	0.0	-	-	-	-	-	-
9(B-C)	6	F	G	Z	0.00	1.00	0.0	0.0	-	-	-	-	-	-
9(C-D)	6	F	G	Z	0.00	1.00	0.0	0.0	-	-	-	-	-	-
9(D-E)	6	F	G	Z	0.00	1.00	0.0	0.0	-	-	-	-	-	-
9(E-F)	6	F	G	Z	0.00	1.00	0.0	0.0	-	-	-	-	-	-

Wall Loads (LL)

Class = F: Force M: Moment
System = L: Local Force/Moment referred to local coordinates (1, 2, 3)
G: Global Force/Moment referred to global coordinates (X, Y, Z)
Side = 1:i-j 2:j-k 3:l-k 4:i-l 5:Surface
Axis = (1, 2, 3) if System = L, or (X, Y, Z) if System = G
Units = Distributed Force: (ton/m), Distributed Moment: (ton-m/m)
Concentrated Force: (ton), Concentrated Moment: (ton-m)

		Distributed Force/Moment								Concentrated Force/Moment						
Wall	Floor	Clas	Sys	Side	Axs	A/L	B/L	Wi	Wj	Clas	Sys	Side	A/L	P1\Px	P2\Py	P3\Pz
C(2-3)	1	F	G	3	Z	0.00	1.00	0.3	0.3	-	-	-	-	-	-	-
D(2-3)	1	F	G	3	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-	-
2(C-D)	1	F	G	3	Z	0.00	1.00	0.3	0.3	-	-	-	-	-	-	-
C(2-3)	2	F	G	3	Z	0.00	1.00	0.3	0.3	-	-	-	-	-	-	-
D(2-3)	2	F	G	3	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-	-
2(C-D)	2	F	G	3	Z	0.00	1.00	0.3	0.3	-	-	-	-	-	-	-
C(2-3)	4	F	G	3	Z	0.00	1.00	0.3	0.3	-	-	-	-	-	-	-
D(2-3)	4	F	G	3	Z	0.00	1.00	0.4	0.4	-	-	-	-	-	-	-
2(C-D)	4	F	G	3	Z	0.00	1.00	0.3	0.3	-	-	-	-	-	-	-
C(2-3)	5	F	G	3	Z	0.00	1.00	0.2	0.2	-	-	-	-	-	-	-
D(2-3)	5	F	G	3	Z	0.00	1.00	0.2	0.2	-	-	-	-	-	-	-
2(C-D)	5	F	G	3	Z	0.00	1.00	0.2	0.2	-	-	-	-	-	-	-

LOAD CASE 4 : EQUAKE X (EQX) - TYPE : EQUIVALENT STATIC

```
Number of nodal loads .... =  192
Number of column loads ... =  0
Number of beam loads ..... =  0
Number of wall loads ..... =  0
```

Nodal Loads (EQX)

		Force (ton)			Moment (ton-m)		
Axis	Floor	Px	Py	Pz	Mx	My	Mz
A-1	2	3.40	0.00	0.00	0.0	0.0	0.0
B-1	2	4.46	0.00	0.00	0.0	0.0	0.0
C-1	2	1.73	0.00	0.00	0.0	0.0	0.0
D-1	2	3.73	0.00	0.00	0.0	0.0	0.0
E-1	2	6.06	0.00	0.00	0.0	0.0	0.0
F-1	2	6.10	0.00	0.00	0.0	0.0	0.0
G-1	2	3.31	0.00	0.00	0.0	0.0	0.0
C-2	2	4.49	0.00	0.00	0.0	0.0	0.0
D-2	2	5.05	0.00	0.00	0.0	0.0	0.0
A-3	2	4.45	0.00	0.00	0.0	0.0	0.0
B-3	2	5.80	0.00	0.00	0.0	0.0	0.0
C-3	2	3.03	0.00	0.00	0.0	0.0	0.0
D-3	2	5.37	0.00	0.00	0.0	0.0	0.0
E-3	2	7.81	0.00	0.00	0.0	0.0	0.0
F-3	2	7.62	0.00	0.00	0.0	0.0	0.0
G-3	2	4.07	0.00	0.00	0.0	0.0	0.0
A-4	2	0.55	0.00	0.00	0.0	0.0	0.0
B-4	2	1.13	0.00	0.00	0.0	0.0	0.0
C-4	2	3.00	0.00	0.00	0.0	0.0	0.0
D-4	2	3.17	0.00	0.00	0.0	0.0	0.0
E-4	2	1.05	0.00	0.00	0.0	0.0	0.0
F-4	2	0.91	0.00	0.00	0.0	0.0	0.0
G-4	2	0.55	0.00	0.00	0.0	0.0	0.0
C-4a	2	0.28	0.00	0.00	0.0	0.0	0.0
D-4a	2	0.46	0.00	0.00	0.0	0.0	0.0
E'-5	2	0.45	0.00	0.00	0.0	0.0	0.0
F-5	2	5.19	0.00	0.00	0.0	0.0	0.0
G-5	2	4.59	0.00	0.00	0.0	0.0	0.0
E'-5a	2	0.48	0.00	0.00	0.0	0.0	0.0
F-5a	2	5.26	0.00	0.00	0.0	0.0	0.0
G-5a	2	4.63	0.00	0.00	0.0	0.0	0.0
A-7	2	0.59	0.00	0.00	0.0	0.0	0.0
B-7	2	1.20	0.00	0.00	0.0	0.0	0.0
C-7	2	2.63	0.00	0.00	0.0	0.0	0.0
D-7	2	2.57	0.00	0.00	0.0	0.0	0.0
E-7	2	1.21	0.00	0.00	0.0	0.0	0.0
F-7	2	0.94	0.00	0.00	0.0	0.0	0.0
G-7	2	0.58	0.00	0.00	0.0	0.0	0.0
A-8	2	4.28	0.00	0.00	0.0	0.0	0.0
B-8	2	5.58	0.00	0.00	0.0	0.0	0.0
C-8	2	3.19	0.00	0.00	0.0	0.0	0.0
D-8	2	5.73	0.00	0.00	0.0	0.0	0.0
E-8	2	7.99	0.00	0.00	0.0	0.0	0.0
F-8	2	7.86	0.00	0.00	0.0	0.0	0.0
G-8	2	4.31	0.00	0.00	0.0	0.0	0.0
A-9	2	3.37	0.00	0.00	0.0	0.0	0.0
B-9	2	4.40	0.00	0.00	0.0	0.0	0.0
C-9	2	2.45	0.00	0.00	0.0	0.0	0.0
D-9	2	4.56	0.00	0.00	0.0	0.0	0.0
E-9	2	6.03	0.00	0.00	0.0	0.0	0.0
F-9	2	6.38	0.00	0.00	0.0	0.0	0.0
G-9	2	4.42	0.00	0.00	0.0	0.0	0.0
B-1	3	2.52	0.00	0.00	0.0	0.0	0.0
C-1	3	3.11	0.00	0.00	0.0	0.0	0.0
D-1	3	4.92	0.00	0.00	0.0	0.0	0.0
E-1	3	8.58	0.00	0.00	0.0	0.0	0.0
F-1	3	5.89	0.00	0.00	0.0	0.0	0.0
B-1'	3	1.08	0.00	0.00	0.0	0.0	0.0
C-2	3	4.23	0.00	0.00	0.0	0.0	0.0
D-2	3	5.58	0.00	0.00	0.0	0.0	0.0
B-3	3	3.69	0.00	0.00	0.0	0.0	0.0
C-3	3	3.64	0.00	0.00	0.0	0.0	0.0
D-3	3	6.34	0.00	0.00	0.0	0.0	0.0
E-3	3	11.53	0.00	0.00	0.0	0.0	0.0

Axis	Floor	Px	Py	Pz	Mx	My	Mz
F-3	3	7.05	0.00	0.00	0.0	0.0	0.0
G-3	3	1.42	0.00	0.00	0.0	0.0	0.0
B-4	3	1.50	0.00	0.00	0.0	0.0	0.0
C-4	3	5.27	0.00	0.00	0.0	0.0	0.0
D-4	3	5.76	0.00	0.00	0.0	0.0	0.0
E-4	3	1.69	0.00	0.00	0.0	0.0	0.0
C-4a	3	1.33	0.00	0.00	0.0	0.0	0.0
D-4a	3	2.19	0.00	0.00	0.0	0.0	0.0
C-6	3	1.24	0.00	0.00	0.0	0.0	0.0
D-6	3	2.04	0.00	0.00	0.0	0.0	0.0
B-7	3	1.48	0.00	0.00	0.0	0.0	0.0
C-7	3	5.06	0.00	0.00	0.0	0.0	0.0
D-7	3	5.61	0.00	0.00	0.0	0.0	0.0
E-7	3	1.62	0.00	0.00	0.0	0.0	0.0
B-8	3	3.67	0.00	0.00	0.0	0.0	0.0
C-8	3	4.63	0.00	0.00	0.0	0.0	0.0
D-8	3	7.95	0.00	0.00	0.0	0.0	0.0
E-8	3	11.44	0.00	0.00	0.0	0.0	0.0
F-8	3	7.11	0.00	0.00	0.0	0.0	0.0
G-8	3	1.47	0.00	0.00	0.0	0.0	0.0
B-14	3	1.10	0.00	0.00	0.0	0.0	0.0
B-9	3	2.30	0.00	0.00	0.0	0.0	0.0
C-9	3	4.23	0.00	0.00	0.0	0.0	0.0
D-9	3	6.23	0.00	0.00	0.0	0.0	0.0
E-9	3	8.54	0.00	0.00	0.0	0.0	0.0
F-9	3	5.92	0.00	0.00	0.0	0.0	0.0
A-1	4	6.41	0.00	0.00	0.0	0.0	0.0
B-1	4	4.88	0.00	0.00	0.0	0.0	0.0
C-2	4	1.43	0.00	0.00	0.0	0.0	0.0
D-2	4	1.43	0.00	0.00	0.0	0.0	0.0
A-3	4	8.44	0.00	0.00	0.0	0.0	0.0
B-3	4	6.91	0.00	0.00	0.0	0.0	0.0
C-3	4	0.70	0.00	0.00	0.0	0.0	0.0
D-3	4	1.64	0.00	0.00	0.0	0.0	0.0
A-4	4	1.08	0.00	0.00	0.0	0.0	0.0
B-4	4	1.08	0.00	0.00	0.0	0.0	0.0
A-7	4	1.08	0.00	0.00	0.0	0.0	0.0
B-7	4	1.08	0.00	0.00	0.0	0.0	0.0
A-8	4	8.04	0.00	0.00	0.0	0.0	0.0
B-8	4	6.53	0.00	0.00	0.0	0.0	0.0
A-9	4	6.37	0.00	0.00	0.0	0.0	0.0
B-9	4	4.86	0.00	0.00	0.0	0.0	0.0
A-1	5	0.56	0.00	0.00	0.0	0.0	0.0
B-1	5	3.89	0.00	0.00	0.0	0.0	0.0
C-1	5	3.76	0.00	0.00	0.0	0.0	0.0
D-1	5	6.74	0.00	0.00	0.0	0.0	0.0
E-1	5	11.76	0.00	0.00	0.0	0.0	0.0
F-1	5	8.08	0.00	0.00	0.0	0.0	0.0
C-2	5	4.85	0.00	0.00	0.0	0.0	0.0
D-2	5	6.06	0.00	0.00	0.0	0.0	0.0
A-3	5	0.56	0.00	0.00	0.0	0.0	0.0
B-3	5	5.09	0.00	0.00	0.0	0.0	0.0
C-3	5	4.16	0.00	0.00	0.0	0.0	0.0
D-3	5	6.87	0.00	0.00	0.0	0.0	0.0
E-3	5	15.89	0.00	0.00	0.0	0.0	0.0
F-3	5	9.67	0.00	0.00	0.0	0.0	0.0
G-3	5	1.95	0.00	0.00	0.0	0.0	0.0
B-4	5	1.74	0.00	0.00	0.0	0.0	0.0
C-4	5	6.73	0.00	0.00	0.0	0.0	0.0
D-4	5	7.65	0.00	0.00	0.0	0.0	0.0
E-4	5	2.37	0.00	0.00	0.0	0.0	0.0
C-4a	5	2.00	0.00	0.00	0.0	0.0	0.0
D-4a	5	3.09	0.00	0.00	0.0	0.0	0.0
C-6	5	1.75	0.00	0.00	0.0	0.0	0.0
D-6	5	2.83	0.00	0.00	0.0	0.0	0.0
B-7	5	1.78	0.00	0.00	0.0	0.0	0.0
C-7	5	6.58	0.00	0.00	0.0	0.0	0.0
D-7	5	7.54	0.00	0.00	0.0	0.0	0.0
E-7	5	2.54	0.00	0.00	0.0	0.0	0.0
A-8	5	0.56	0.00	0.00	0.0	0.0	0.0
B-8	5	4.93	0.00	0.00	0.0	0.0	0.0
C-8	5	6.87	0.00	0.00	0.0	0.0	0.0
D-8	5	10.91	0.00	0.00	0.0	0.0	0.0
E-8	5	16.12	0.00	0.00	0.0	0.0	0.0
F-8	5	9.78	0.00	0.00	0.0	0.0	0.0
G-8	5	2.01	0.00	0.00	0.0	0.0	0.0

Axis	Floor	Px	Py	Pz	Mx	My	Mz
A-9	5	0.56	0.00	0.00	0.0	0.0	0.0
B-9	5	3.72	0.00	0.00	0.0	0.0	0.0
C-9	5	5.28	0.00	0.00	0.0	0.0	0.0
D-9	5	8.54	0.00	0.00	0.0	0.0	0.0
E-9	5	11.71	0.00	0.00	0.0	0.0	0.0
F-9	5	8.11	0.00	0.00	0.0	0.0	0.0
A-1	6	5.10	0.00	0.00	0.0	0.0	0.0
B-1	6	6.11	0.00	0.00	0.0	0.0	0.0
C-1	6	2.39	0.00	0.00	0.0	0.0	0.0
D-1	6	5.18	0.00	0.00	0.0	0.0	0.0
E-1	6	7.54	0.00	0.00	0.0	0.0	0.0
F-1	6	5.79	0.00	0.00	0.0	0.0	0.0
C-2	6	5.28	0.00	0.00	0.0	0.0	0.0
D-2	6	5.96	0.00	0.00	0.0	0.0	0.0
A-3	6	6.10	0.00	0.00	0.0	0.0	0.0
B-3	6	7.35	0.00	0.00	0.0	0.0	0.0
C-3	6	4.40	0.00	0.00	0.0	0.0	0.0
D-3	6	7.69	0.00	0.00	0.0	0.0	0.0
E-3	6	9.04	0.00	0.00	0.0	0.0	0.0
F-3	6	8.31	0.00	0.00	0.0	0.0	0.0
G-3	6	3.39	0.00	0.00	0.0	0.0	0.0
A-4	6	3.46	0.00	0.00	0.0	0.0	0.0
B-4	6	4.34	0.00	0.00	0.0	0.0	0.0
C-4	6	5.24	0.00	0.00	0.0	0.0	0.0
D-4	6	6.23	0.00	0.00	0.0	0.0	0.0
E-4	6	4.96	0.00	0.00	0.0	0.0	0.0
E'-4	6	3.33	0.00	0.00	0.0	0.0	0.0
F-4	6	4.32	0.00	0.00	0.0	0.0	0.0
H-4	6	2.16	0.00	0.00	0.0	0.0	0.0
G-4	6	1.63	0.00	0.00	0.0	0.0	0.0
A-7	6	3.46	0.00	0.00	0.0	0.0	0.0
B-7	6	4.41	0.00	0.00	0.0	0.0	0.0
C-7	6	5.21	0.00	0.00	0.0	0.0	0.0
D-7	6	6.17	0.00	0.00	0.0	0.0	0.0
E-7	6	5.07	0.00	0.00	0.0	0.0	0.0
E'-7	6	3.22	0.00	0.00	0.0	0.0	0.0
F-7	6	4.44	0.00	0.00	0.0	0.0	0.0
H-7	6	2.10	0.00	0.00	0.0	0.0	0.0
G-7	6	1.74	0.00	0.00	0.0	0.0	0.0
A-8	6	5.95	0.00	0.00	0.0	0.0	0.0
B-8	6	7.16	0.00	0.00	0.0	0.0	0.0
C-8	6	4.02	0.00	0.00	0.0	0.0	0.0
D-8	6	7.18	0.00	0.00	0.0	0.0	0.0
E-8	6	9.00	0.00	0.00	0.0	0.0	0.0
F-8	6	8.42	0.00	0.00	0.0	0.0	0.0
G-8	6	3.50	0.00	0.00	0.0	0.0	0.0
A-9	6	4.94	0.00	0.00	0.0	0.0	0.0
B-9	6	5.93	0.00	0.00	0.0	0.0	0.0
C-9	6	3.17	0.00	0.00	0.0	0.0	0.0
D-9	6	6.02	0.00	0.00	0.0	0.0	0.0
E-9	6	7.50	0.00	0.00	0.0	0.0	0.0
F-9	6	5.81	0.00	0.00	0.0	0.0	0.0

LOAD CASE 5 : EQUAKE Y (EQY) - TYPE : EQUIVALENT STATIC

```
Number of nodal loads .... =  192
Number of column loads ... =  0
Number of beam loads ..... =  0
Number of wall loads ..... =  0
```

Nodal Loads (EQY)

		Force (ton)			Moment (ton-m)		
Axis	Floor	Px	Py	Pz	Mx	My	Mz
A-1	2	0.00	3.40	0.00	0.0	0.0	0.0
B-1	2	0.00	4.46	0.00	0.0	0.0	0.0
C-1	2	0.00	1.73	0.00	0.0	0.0	0.0
D-1	2	0.00	3.73	0.00	0.0	0.0	0.0
E-1	2	0.00	6.06	0.00	0.0	0.0	0.0
F-1	2	0.00	6.10	0.00	0.0	0.0	0.0
G-1	2	0.00	3.31	0.00	0.0	0.0	0.0

Company: AC INGENIERIA Engineer: ALVARO CABALLERO
Project: CASA CORREGIDOR - SOGAMOSO BLOQUE NUEVO 4:19:05 p. m. 4/05/2022

Axis	Floor	Px	Py	Pz	Mx	My	Mz
C-2	2	0.00	4.49	0.00	0.0	0.0	0.0
D-2	2	0.00	5.05	0.00	0.0	0.0	0.0
A-3	2	0.00	4.45	0.00	0.0	0.0	0.0
B-3	2	0.00	5.80	0.00	0.0	0.0	0.0
C-3	2	0.00	3.03	0.00	0.0	0.0	0.0
D-3	2	0.00	5.37	0.00	0.0	0.0	0.0
E-3	2	0.00	7.81	0.00	0.0	0.0	0.0
F-3	2	0.00	7.62	0.00	0.0	0.0	0.0
G-3	2	0.00	4.07	0.00	0.0	0.0	0.0
A-4	2	0.00	0.55	0.00	0.0	0.0	0.0
B-4	2	0.00	1.13	0.00	0.0	0.0	0.0
C-4	2	0.00	3.00	0.00	0.0	0.0	0.0
D-4	2	0.00	3.17	0.00	0.0	0.0	0.0
E-4	2	0.00	1.05	0.00	0.0	0.0	0.0
F-4	2	0.00	0.91	0.00	0.0	0.0	0.0
G-4	2	0.00	0.55	0.00	0.0	0.0	0.0
C-4a	2	0.00	0.28	0.00	0.0	0.0	0.0
D-4a	2	0.00	0.46	0.00	0.0	0.0	0.0
E'-5	2	0.00	0.45	0.00	0.0	0.0	0.0
F-5	2	0.00	5.19	0.00	0.0	0.0	0.0
G-5	2	0.00	4.59	0.00	0.0	0.0	0.0
E'-5a	2	0.00	0.48	0.00	0.0	0.0	0.0
F-5a	2	0.00	5.26	0.00	0.0	0.0	0.0
G-5a	2	0.00	4.63	0.00	0.0	0.0	0.0
A-7	2	0.00	0.59	0.00	0.0	0.0	0.0
B-7	2	0.00	1.20	0.00	0.0	0.0	0.0
C-7	2	0.00	2.63	0.00	0.0	0.0	0.0
D-7	2	0.00	2.57	0.00	0.0	0.0	0.0
E-7	2	0.00	1.21	0.00	0.0	0.0	0.0
F-7	2	0.00	0.94	0.00	0.0	0.0	0.0
G-7	2	0.00	0.58	0.00	0.0	0.0	0.0
A-8	2	0.00	4.28	0.00	0.0	0.0	0.0
B-8	2	0.00	5.58	0.00	0.0	0.0	0.0
C-8	2	0.00	3.19	0.00	0.0	0.0	0.0
D-8	2	0.00	5.73	0.00	0.0	0.0	0.0
E-8	2	0.00	7.99	0.00	0.0	0.0	0.0
F-8	2	0.00	7.86	0.00	0.0	0.0	0.0
G-8	2	0.00	4.31	0.00	0.0	0.0	0.0
A-9	2	0.00	3.37	0.00	0.0	0.0	0.0
B-9	2	0.00	4.40	0.00	0.0	0.0	0.0
C-9	2	0.00	2.45	0.00	0.0	0.0	0.0
D-9	2	0.00	4.56	0.00	0.0	0.0	0.0
E-9	2	0.00	6.03	0.00	0.0	0.0	0.0
F-9	2	0.00	6.38	0.00	0.0	0.0	0.0
G-9	2	0.00	4.42	0.00	0.0	0.0	0.0
B-1	3	0.00	2.52	0.00	0.0	0.0	0.0
C-1	3	0.00	3.11	0.00	0.0	0.0	0.0
D-1	3	0.00	4.92	0.00	0.0	0.0	0.0
E-1	3	0.00	8.58	0.00	0.0	0.0	0.0
F-1	3	0.00	5.89	0.00	0.0	0.0	0.0
B-1'	3	0.00	1.08	0.00	0.0	0.0	0.0
C-2	3	0.00	4.23	0.00	0.0	0.0	0.0
D-2	3	0.00	5.58	0.00	0.0	0.0	0.0
B-3	3	0.00	3.69	0.00	0.0	0.0	0.0
C-3	3	0.00	3.64	0.00	0.0	0.0	0.0
D-3	3	0.00	6.34	0.00	0.0	0.0	0.0
E-3	3	0.00	11.53	0.00	0.0	0.0	0.0
F-3	3	0.00	7.05	0.00	0.0	0.0	0.0
G-3	3	0.00	1.42	0.00	0.0	0.0	0.0
B-4	3	0.00	1.50	0.00	0.0	0.0	0.0
C-4	3	0.00	5.27	0.00	0.0	0.0	0.0
D-4	3	0.00	5.76	0.00	0.0	0.0	0.0
E-4	3	0.00	1.69	0.00	0.0	0.0	0.0
C-4a	3	0.00	1.33	0.00	0.0	0.0	0.0
D-4a	3	0.00	2.19	0.00	0.0	0.0	0.0
C-6	3	0.00	1.24	0.00	0.0	0.0	0.0
D-6	3	0.00	2.04	0.00	0.0	0.0	0.0
B-7	3	0.00	1.48	0.00	0.0	0.0	0.0
C-7	3	0.00	5.06	0.00	0.0	0.0	0.0
D-7	3	0.00	5.61	0.00	0.0	0.0	0.0
E-7	3	0.00	1.62	0.00	0.0	0.0	0.0
B-8	3	0.00	3.67	0.00	0.0	0.0	0.0
C-8	3	0.00	4.63	0.00	0.0	0.0	0.0
D-8	3	0.00	7.95	0.00	0.0	0.0	0.0
E-8	3	0.00	11.44	0.00	0.0	0.0	0.0
F-8	3	0.00	7.11	0.00	0.0	0.0	0.0
G-8	3	0.00	1.47	0.00	0.0	0.0	0.0

Company: AC INGENIERIA Engineer: ALVARO CABALLERO
Project: CASA CORREGIDOR - SOGAMOSO BLOQUE NUEVO 4:19:05 p. m. 4/05/2022

Axis	Floor	Px	Py	Pz	Mx	My	Mz
B-14	3	0.00	1.10	0.00	0.0	0.0	0.0
B-9	3	0.00	2.30	0.00	0.0	0.0	0.0
C-9	3	0.00	4.23	0.00	0.0	0.0	0.0
D-9	3	0.00	6.23	0.00	0.0	0.0	0.0
E-9	3	0.00	8.54	0.00	0.0	0.0	0.0
F-9	3	0.00	5.92	0.00	0.0	0.0	0.0
A-1	4	0.00	6.41	0.00	0.0	0.0	0.0
B-1	4	0.00	4.88	0.00	0.0	0.0	0.0
C-2	4	0.00	1.43	0.00	0.0	0.0	0.0
D-2	4	0.00	1.43	0.00	0.0	0.0	0.0
A-3	4	0.00	8.44	0.00	0.0	0.0	0.0
B-3	4	0.00	6.91	0.00	0.0	0.0	0.0
C-3	4	0.00	0.70	0.00	0.0	0.0	0.0
D-3	4	0.00	1.64	0.00	0.0	0.0	0.0
A-4	4	0.00	1.08	0.00	0.0	0.0	0.0
B-4	4	0.00	1.08	0.00	0.0	0.0	0.0
A-7	4	0.00	1.08	0.00	0.0	0.0	0.0
B-7	4	0.00	1.08	0.00	0.0	0.0	0.0
A-8	4	0.00	8.04	0.00	0.0	0.0	0.0
B-8	4	0.00	6.53	0.00	0.0	0.0	0.0
A-9	4	0.00	6.37	0.00	0.0	0.0	0.0
B-9	4	0.00	4.86	0.00	0.0	0.0	0.0
A-1	5	0.00	0.56	0.00	0.0	0.0	0.0
B-1	5	0.00	3.89	0.00	0.0	0.0	0.0
C-1	5	0.00	3.76	0.00	0.0	0.0	0.0
D-1	5	0.00	6.74	0.00	0.0	0.0	0.0
E-1	5	0.00	11.76	0.00	0.0	0.0	0.0
F-1	5	0.00	8.08	0.00	0.0	0.0	0.0
C-2	5	0.00	4.85	0.00	0.0	0.0	0.0
D-2	5	0.00	6.06	0.00	0.0	0.0	0.0
A-3	5	0.00	0.56	0.00	0.0	0.0	0.0
B-3	5	0.00	5.09	0.00	0.0	0.0	0.0
C-3	5	0.00	4.16	0.00	0.0	0.0	0.0
D-3	5	0.00	6.87	0.00	0.0	0.0	0.0
E-3	5	0.00	15.89	0.00	0.0	0.0	0.0
F-3	5	0.00	9.67	0.00	0.0	0.0	0.0
G-3	5	0.00	1.95	0.00	0.0	0.0	0.0
B-4	5	0.00	1.74	0.00	0.0	0.0	0.0
C-4	5	0.00	6.73	0.00	0.0	0.0	0.0
D-4	5	0.00	7.65	0.00	0.0	0.0	0.0
E-4	5	0.00	2.37	0.00	0.0	0.0	0.0
C-4a	5	0.00	2.00	0.00	0.0	0.0	0.0
D-4a	5	0.00	3.09	0.00	0.0	0.0	0.0
C-6	5	0.00	1.75	0.00	0.0	0.0	0.0
D-6	5	0.00	2.83	0.00	0.0	0.0	0.0
B-7	5	0.00	1.78	0.00	0.0	0.0	0.0
C-7	5	0.00	6.58	0.00	0.0	0.0	0.0
D-7	5	0.00	7.54	0.00	0.0	0.0	0.0
E-7	5	0.00	2.54	0.00	0.0	0.0	0.0
A-8	5	0.00	0.56	0.00	0.0	0.0	0.0
B-8	5	0.00	4.93	0.00	0.0	0.0	0.0
C-8	5	0.00	6.87	0.00	0.0	0.0	0.0
D-8	5	0.00	10.91	0.00	0.0	0.0	0.0
E-8	5	0.00	16.12	0.00	0.0	0.0	0.0
F-8	5	0.00	9.78	0.00	0.0	0.0	0.0
G-8	5	0.00	2.01	0.00	0.0	0.0	0.0
A-9	5	0.00	0.56	0.00	0.0	0.0	0.0
B-9	5	0.00	3.72	0.00	0.0	0.0	0.0
C-9	5	0.00	5.28	0.00	0.0	0.0	0.0
D-9	5	0.00	8.54	0.00	0.0	0.0	0.0
E-9	5	0.00	11.71	0.00	0.0	0.0	0.0
F-9	5	0.00	8.11	0.00	0.0	0.0	0.0
A-1	6	0.00	5.10	0.00	0.0	0.0	0.0
B-1	6	0.00	6.11	0.00	0.0	0.0	0.0
C-1	6	0.00	2.39	0.00	0.0	0.0	0.0
D-1	6	0.00	5.18	0.00	0.0	0.0	0.0
E-1	6	0.00	7.54	0.00	0.0	0.0	0.0
F-1	6	0.00	5.79	0.00	0.0	0.0	0.0
C-2	6	0.00	5.28	0.00	0.0	0.0	0.0
D-2	6	0.00	5.96	0.00	0.0	0.0	0.0
A-3	6	0.00	6.10	0.00	0.0	0.0	0.0
B-3	6	0.00	7.35	0.00	0.0	0.0	0.0
C-3	6	0.00	4.40	0.00	0.0	0.0	0.0
D-3	6	0.00	7.69	0.00	0.0	0.0	0.0
E-3	6	0.00	9.04	0.00	0.0	0.0	0.0

Axis	Floor	Px	Py	Pz	Mx	My	Mz
F-3	6	0.00	8.31	0.00	0.0	0.0	0.0
G-3	6	0.00	3.39	0.00	0.0	0.0	0.0
A-4	6	0.00	3.46	0.00	0.0	0.0	0.0
B-4	6	0.00	4.34	0.00	0.0	0.0	0.0
C-4	6	0.00	5.24	0.00	0.0	0.0	0.0
D-4	6	0.00	6.23	0.00	0.0	0.0	0.0
E-4	6	0.00	4.96	0.00	0.0	0.0	0.0
E'-4	6	0.00	3.33	0.00	0.0	0.0	0.0
F-4	6	0.00	4.32	0.00	0.0	0.0	0.0
H-4	6	0.00	2.16	0.00	0.0	0.0	0.0
G-4	6	0.00	1.63	0.00	0.0	0.0	0.0
A-7	6	0.00	3.46	0.00	0.0	0.0	0.0
B-7	6	0.00	4.41	0.00	0.0	0.0	0.0
C-7	6	0.00	5.21	0.00	0.0	0.0	0.0
D-7	6	0.00	6.17	0.00	0.0	0.0	0.0
E-7	6	0.00	5.07	0.00	0.0	0.0	0.0
E'-7	6	0.00	3.22	0.00	0.0	0.0	0.0
F-7	6	0.00	4.44	0.00	0.0	0.0	0.0
H-7	6	0.00	2.10	0.00	0.0	0.0	0.0
G-7	6	0.00	1.74	0.00	0.0	0.0	0.0
A-8	6	0.00	5.95	0.00	0.0	0.0	0.0
B-8	6	0.00	7.16	0.00	0.0	0.0	0.0
C-8	6	0.00	4.02	0.00	0.0	0.0	0.0
D-8	6	0.00	7.18	0.00	0.0	0.0	0.0
E-8	6	0.00	9.00	0.00	0.0	0.0	0.0
F-8	6	0.00	8.42	0.00	0.0	0.0	0.0
G-8	6	0.00	3.50	0.00	0.0	0.0	0.0
A-9	6	0.00	4.94	0.00	0.0	0.0	0.0
B-9	6	0.00	5.93	0.00	0.0	0.0	0.0
C-9	6	0.00	3.17	0.00	0.0	0.0	0.0
D-9	6	0.00	6.02	0.00	0.0	0.0	0.0
E-9	6	0.00	7.50	0.00	0.0	0.0	0.0
F-9	6	0.00	5.81	0.00	0.0	0.0	0.0

LOAD CASE 6 : WIND X (WLX)

Number of nodal loads .... = 126
Number of column loads ... = 0
Number of beam loads ..... = 0
Number of wall loads ..... = 0

Nodal Loads (WLX)

		Force (ton)			Moment (ton-m)		
Axis	Floor	Px	Py	Pz	Mx	My	Mz
A-1	1	0.09	0.18	0.00	0.0	0.0	0.0
B-1	1	0.14	0.00	0.00	0.0	0.0	0.0
D-1	1	0.14	0.00	0.00	0.0	0.0	0.0
E-1	1	0.22	0.00	0.00	0.0	0.0	0.0
F-1	1	0.22	0.00	0.00	0.0	0.0	0.0
G-1	1	0.09	-0.17	0.00	0.0	0.0	0.0
C-2	1	0.11	0.00	0.00	0.0	0.0	0.0
A-3	1	0.00	0.26	0.00	0.0	0.0	0.0
C-3	1	0.06	0.00	0.00	0.0	0.0	0.0
G-3	1	0.01	-0.25	0.00	0.0	0.0	0.0
C-4	1	0.01	0.07	0.00	0.0	0.0	0.0
D-4	1	0.00	-0.07	0.00	0.0	0.0	0.0
F-5	1	0.00	0.25	0.00	0.0	0.0	0.0
G-5	1	0.01	-0.25	0.00	0.0	0.0	0.0
F-5a	1	0.00	0.25	0.00	0.0	0.0	0.0
G-5a	1	0.01	-0.25	0.00	0.0	0.0	0.0
C-7	1	0.05	0.00	0.00	0.0	0.0	0.0
A-8	1	0.00	0.24	0.00	0.0	0.0	0.0
G-8	1	0.00	-0.25	0.00	0.0	0.0	0.0
A-9	1	0.09	0.17	0.00	0.0	0.0	0.0
B-9	1	0.14	0.00	0.00	0.0	0.0	0.0
D-9	1	0.13	0.00	0.00	0.0	0.0	0.0
E-9	1	0.22	0.00	0.00	0.0	0.0	0.0
F-9	1	0.23	0.00	0.00	0.0	0.0	0.0
G-9	1	0.11	-0.17	0.00	0.0	0.0	0.0
A-1	2	0.14	0.28	0.00	0.0	0.0	0.0

Company: AC INGENIERIA Engineer: ALVARO CABALLERO
Project: CASA CORREGIDOR - SOGAMOSO BLOQUE NUEVO 4:19:05 p. m. 4/05/2022

Axis	Floor	Px	Py	Pz	Mx	My	Mz
B-1	2	0.22	-0.01	0.00	0.0	0.0	0.0
C-1	2	0.17	0.00	0.00	0.0	0.0	0.0
D-1	2	0.22	-0.01	0.00	0.0	0.0	0.0
E-1	2	0.34	-0.01	0.00	0.0	0.0	0.0
F-1	2	0.35	-0.01	0.00	0.0	0.0	0.0
G-1	2	0.14	-0.27	0.00	0.0	0.0	0.0
A-3	2	0.00	0.40	0.00	0.0	0.0	0.0
G-3	2	0.01	-0.39	0.00	0.0	0.0	0.0
A-4	2	0.00	0.12	0.00	0.0	0.0	0.0
G-4	2	0.01	-0.12	0.00	0.0	0.0	0.0
F-5	2	0.00	0.39	0.00	0.0	0.0	0.0
G-5	2	0.00	-0.39	0.00	0.0	0.0	0.0
F-5a	2	0.00	0.39	0.00	0.0	0.0	0.0
G-5a	2	0.01	-0.39	0.00	0.0	0.0	0.0
A-7	2	0.00	0.12	0.00	0.0	0.0	0.0
G-7	2	0.00	-0.12	0.00	0.0	0.0	0.0
A-8	2	0.00	0.38	0.00	0.0	0.0	0.0
G-8	2	0.01	-0.40	0.00	0.0	0.0	0.0
A-9	2	0.14	0.27	0.00	0.0	0.0	0.0
B-9	2	0.23	0.00	0.00	0.0	0.0	0.0
C-9	2	0.17	0.00	0.00	0.0	0.0	0.0
D-9	2	0.21	0.00	0.00	0.0	0.0	0.0
E-9	2	0.34	0.00	0.00	0.0	0.0	0.0
F-9	2	0.37	0.01	0.00	0.0	0.0	0.0
G-9	2	0.17	-0.28	0.00	0.0	0.0	0.0
B-1	3	0.05	0.07	0.00	0.0	0.0	0.0
C-1	3	0.11	0.00	0.00	0.0	0.0	0.0
D-1	3	0.14	0.00	0.00	0.0	0.0	0.0
E-1	3	0.22	0.00	0.00	0.0	0.0	0.0
F-1	3	0.22	-0.17	0.00	0.0	0.0	0.0
B-1'	3	0.00	0.17	0.00	0.0	0.0	0.0
B-3	3	0.00	0.07	0.00	0.0	0.0	0.0
G-3	3	0.09	-0.23	0.00	0.0	0.0	0.0
B-4	3	0.00	0.33	0.00	0.0	0.0	0.0
G-4	3	0.01	-0.33	0.00	0.0	0.0	0.0
B-7	3	0.00	0.33	0.00	0.0	0.0	0.0
G-7	3	0.01	-0.33	0.00	0.0	0.0	0.0
B-8	3	0.00	0.10	0.00	0.0	0.0	0.0
G-8	3	0.10	-0.24	0.00	0.0	0.0	0.0
B-14	3	0.00	0.16	0.00	0.0	0.0	0.0
B-9	3	0.06	0.00	0.00	0.0	0.0	0.0
C-9	3	0.11	0.00	0.00	0.0	0.0	0.0
D-9	3	0.14	0.00	0.00	0.0	0.0	0.0
E-9	3	0.22	0.00	0.00	0.0	0.0	0.0
F-9	3	0.23	-0.16	0.00	0.0	0.0	0.0
A-1	4	0.05	0.10	0.00	0.0	0.0	0.0
B-1	4	0.05	0.00	0.00	0.0	0.0	0.0
C-2	4	0.03	0.00	0.00	0.0	0.0	0.0
D-2	4	0.06	-0.10	0.00	0.0	0.0	0.0
A-3	4	0.00	0.15	0.00	0.0	0.0	0.0
C-3	4	0.00	0.00	0.00	0.0	0.0	0.0
D-3	4	0.00	-0.04	0.00	0.0	0.0	0.0
A-4	4	0.00	0.04	0.00	0.0	0.0	0.0
B-4	4	0.00	-0.04	0.00	0.0	0.0	0.0
A-7	4	0.00	0.04	0.00	0.0	0.0	0.0
A-8	4	0.00	0.14	0.00	0.0	0.0	0.0
B-8	4	0.00	-0.04	0.00	0.0	0.0	0.0
A-9	4	0.05	0.10	0.00	0.0	0.0	0.0
B-9	4	0.05	-0.10	0.00	0.0	0.0	0.0
B-1	5	0.04	0.14	0.00	0.0	0.0	0.0
C-1	5	0.09	0.00	0.00	0.0	0.0	0.0
D-1	5	0.12	0.00	0.00	0.0	0.0	0.0
E-1	5	0.18	0.00	0.00	0.0	0.0	0.0
F-1	5	0.19	-0.13	0.00	0.0	0.0	0.0
A-3	5	0.00	0.14	0.00	0.0	0.0	0.0
B-3	5	0.00	0.06	0.00	0.0	0.0	0.0
G-3	5	0.08	-0.19	0.00	0.0	0.0	0.0
B-4	5	0.00	0.27	0.00	0.0	0.0	0.0
G-4	5	0.01	-0.27	0.00	0.0	0.0	0.0
B-7	5	0.00	0.27	0.00	0.0	0.0	0.0
G-7	5	0.01	-0.27	0.00	0.0	0.0	0.0
A-8	5	0.00	0.06	0.00	0.0	0.0	0.0
B-8	5	0.00	0.13	0.00	0.0	0.0	0.0
G-8	5	0.08	-0.19	0.00	0.0	0.0	0.0
A-9	5	0.00	0.13	0.00	0.0	0.0	0.0

Axis	Floor	Px	Py	Pz	Mx	My	Mz
B-9	5	0.05	0.00	0.00	0.0	0.0	0.0
C-9	5	0.09	0.00	0.00	0.0	0.0	0.0
D-9	5	0.11	0.00	0.00	0.0	0.0	0.0
E-9	5	0.18	0.00	0.00	0.0	0.0	0.0
F-9	5	0.19	-0.13	0.00	0.0	0.0	0.0
A-1	6	0.06	0.10	0.00	0.0	0.0	0.0
B-1	6	0.09	0.00	0.00	0.0	0.0	0.0
C-1	6	0.07	0.00	0.00	0.0	0.0	0.0
D-1	6	0.09	0.00	0.00	0.0	0.0	0.0
E-1	6	0.14	0.00	0.00	0.0	0.0	0.0
F-1	6	0.14	-0.10	0.00	0.0	0.0	0.0
A-3	6	0.00	0.14	0.00	0.0	0.0	0.0
G-3	6	0.06	-0.14	0.00	0.0	0.0	0.0
A-4	6	0.00	0.19	0.00	0.0	0.0	0.0
G-4	6	0.00	-0.19	0.00	0.0	0.0	0.0
A-7	6	0.00	0.19	0.00	0.0	0.0	0.0
G-7	6	0.00	-0.19	0.00	0.0	0.0	0.0
A-8	6	0.00	0.14	0.00	0.0	0.0	0.0
G-8	6	0.06	-0.14	0.00	0.0	0.0	0.0
A-9	6	0.06	0.10	0.00	0.0	0.0	0.0
B-9	6	0.09	0.00	0.00	0.0	0.0	0.0
C-9	6	0.07	0.00	0.00	0.0	0.0	0.0
D-9	6	0.09	0.00	0.00	0.0	0.0	0.0
E-9	6	0.14	0.00	0.00	0.0	0.0	0.0
F-9	6	0.15	-0.10	0.00	0.0	0.0	0.0

LOAD CASE 7 : WIND Y (WLY)

Number of nodal loads .... = 127
Number of column loads ... = 0
Number of beam loads ..... = 0
Number of wall loads ..... = 0

Nodal Loads (WLY)

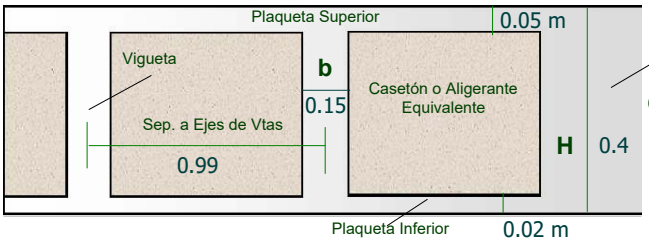
		Force (ton)			Moment (ton-m)		
Axis	Floor	Px	Py	Pz	Mx	My	Mz
A-1	1	0.11	0.15	0.00	0.0	0.0	0.0
B-1	1	0.18	0.00	0.00	0.0	0.0	0.0
D-1	1	0.18	0.00	0.00	0.0	0.0	0.0
E-1	1	0.27	0.00	0.00	0.0	0.0	0.0
F-1	1	0.28	0.00	0.00	0.0	0.0	0.0
G-1	1	0.12	0.14	0.00	0.0	0.0	0.0
C-2	1	0.14	0.00	0.00	0.0	0.0	0.0
A-3	1	0.00	0.21	0.00	0.0	0.0	0.0
C-3	1	-0.07	0.00	0.00	0.0	0.0	0.0
G-3	1	0.01	0.20	0.00	0.0	0.0	0.0
C-4	1	-0.01	0.06	0.00	0.0	0.0	0.0
D-4	1	0.00	0.06	0.00	0.0	0.0	0.0
F-5	1	0.00	0.20	0.00	0.0	0.0	0.0
G-5	1	0.01	0.20	0.00	0.0	0.0	0.0
F-5a	1	0.00	0.20	0.00	0.0	0.0	0.0
G-5a	1	0.01	0.20	0.00	0.0	0.0	0.0
C-7	1	-0.06	0.00	0.00	0.0	0.0	0.0
D-7	1	0.00	0.12	0.00	0.0	0.0	0.0
A-8	1	0.00	0.20	0.00	0.0	0.0	0.0
G-8	1	0.01	0.20	0.00	0.0	0.0	0.0
A-9	1	-0.11	0.14	0.00	0.0	0.0	0.0
B-9	1	-0.18	0.00	0.00	0.0	0.0	0.0
D-9	1	-0.17	0.00	0.00	0.0	0.0	0.0
E-9	1	-0.27	0.00	0.00	0.0	0.0	0.0
F-9	1	-0.29	0.00	0.00	0.0	0.0	0.0
G-9	1	-0.12	0.15	0.00	0.0	0.0	0.0
A-1	2	0.17	0.24	0.00	0.0	0.0	0.0
B-1	2	0.28	0.00	0.00	0.0	0.0	0.0
C-1	2	0.21	0.00	0.00	0.0	0.0	0.0
D-1	2	0.28	0.00	0.00	0.0	0.0	0.0
E-1	2	0.43	0.01	0.00	0.0	0.0	0.0
F-1	2	0.43	0.00	0.00	0.0	0.0	0.0
G-1	2	0.18	0.22	0.00	0.0	0.0	0.0

Company: AC INGENIERIA Engineer: ALVARO CABALLERO
Project: CASA CORREGIDOR - SOGAMOSO BLOQUE NUEVO 4:19:05 p. m. 4/05/2022

Axis	Floor	Px	Py	Pz	Mx	My	Mz
A-3	2	0.00	0.33	0.00	0.0	0.0	0.0
G-3	2	0.01	0.32	0.00	0.0	0.0	0.0
A-4	2	0.00	0.10	0.00	0.0	0.0	0.0
G-4	2	0.01	0.10	0.00	0.0	0.0	0.0
F-5	2	0.00	0.32	0.00	0.0	0.0	0.0
G-5	2	0.00	0.32	0.00	0.0	0.0	0.0
F-5a	2	0.00	0.32	0.00	0.0	0.0	0.0
G-5a	2	0.01	0.32	0.00	0.0	0.0	0.0
A-7	2	0.00	0.10	0.00	0.0	0.0	0.0
G-7	2	0.00	0.10	0.00	0.0	0.0	0.0
A-8	2	0.00	0.31	0.00	0.0	0.0	0.0
G-8	2	0.01	0.32	0.00	0.0	0.0	0.0
A-9	2	-0.17	0.22	0.00	0.0	0.0	0.0
B-9	2	-0.29	0.00	0.00	0.0	0.0	0.0
C-9	2	-0.21	0.00	0.00	0.0	0.0	0.0
D-9	2	-0.27	0.00	0.00	0.0	0.0	0.0
E-9	2	-0.43	0.00	0.00	0.0	0.0	0.0
F-9	2	-0.46	0.01	0.00	0.0	0.0	0.0
G-9	2	-0.20	0.23	0.00	0.0	0.0	0.0
B-1	3	0.06	0.07	0.00	0.0	0.0	0.0
C-1	3	0.13	0.00	0.00	0.0	0.0	0.0
D-1	3	0.17	0.00	0.00	0.0	0.0	0.0
E-1	3	0.26	0.00	0.00	0.0	0.0	0.0
F-1	3	0.27	0.14	0.00	0.0	0.0	0.0
B-1'	3	0.00	0.15	0.00	0.0	0.0	0.0
B-3	3	0.00	0.06	0.00	0.0	0.0	0.0
G-3	3	0.11	0.20	0.00	0.0	0.0	0.0
B-4	3	0.00	0.29	0.00	0.0	0.0	0.0
G-4	3	0.01	0.29	0.00	0.0	0.0	0.0
B-7	3	0.00	0.29	0.00	0.0	0.0	0.0
G-7	3	0.01	0.29	0.00	0.0	0.0	0.0
B-8	3	0.00	0.08	0.00	0.0	0.0	0.0
G-8	3	-0.12	0.20	0.00	0.0	0.0	0.0
B-14	3	0.00	0.14	0.00	0.0	0.0	0.0
B-9	3	-0.07	0.00	0.00	0.0	0.0	0.0
C-9	3	-0.13	0.00	0.00	0.0	0.0	0.0
D-9	3	-0.16	0.00	0.00	0.0	0.0	0.0
E-9	3	-0.26	0.00	0.00	0.0	0.0	0.0
F-9	3	-0.27	0.14	0.00	0.0	0.0	0.0
A-1	4	0.06	0.09	0.00	0.0	0.0	0.0
B-1	4	0.06	0.00	0.00	0.0	0.0	0.0
C-2	4	0.04	0.00	0.00	0.0	0.0	0.0
D-2	4	0.01	0.09	0.00	0.0	0.0	0.0
A-3	4	0.00	0.13	0.00	0.0	0.0	0.0
C-3	4	-0.01	0.00	0.00	0.0	0.0	0.0
D-3	4	0.00	0.03	0.00	0.0	0.0	0.0
A-4	4	0.00	0.04	0.00	0.0	0.0	0.0
B-4	4	0.00	0.04	0.00	0.0	0.0	0.0
A-7	4	0.00	0.04	0.00	0.0	0.0	0.0
A-8	4	0.00	0.12	0.00	0.0	0.0	0.0
B-8	4	0.00	0.04	0.00	0.0	0.0	0.0
A-9	4	-0.06	0.09	0.00	0.0	0.0	0.0
B-9	4	-0.06	0.09	0.00	0.0	0.0	0.0
B-1	5	0.05	0.12	0.00	0.0	0.0	0.0
C-1	5	0.10	0.00	0.00	0.0	0.0	0.0
D-1	5	0.14	0.00	0.00	0.0	0.0	0.0
E-1	5	0.21	0.00	0.00	0.0	0.0	0.0
F-1	5	0.21	0.12	0.00	0.0	0.0	0.0
A-3	5	0.00	0.12	0.00	0.0	0.0	0.0
B-3	5	0.00	0.05	0.00	0.0	0.0	0.0
G-3	5	0.09	0.17	0.00	0.0	0.0	0.0
B-4	5	0.00	0.24	0.00	0.0	0.0	0.0
G-4	5	0.01	0.24	0.00	0.0	0.0	0.0
B-7	5	0.00	0.24	0.00	0.0	0.0	0.0
G-7	5	0.01	0.24	0.00	0.0	0.0	0.0
A-8	5	0.00	0.05	0.00	0.0	0.0	0.0
B-8	5	0.00	0.12	0.00	0.0	0.0	0.0
G-8	5	-0.09	0.17	0.00	0.0	0.0	0.0
A-9	5	0.00	0.12	0.00	0.0	0.0	0.0
B-9	5	-0.06	0.00	0.00	0.0	0.0	0.0
C-9	5	-0.10	0.00	0.00	0.0	0.0	0.0
D-9	5	-0.13	0.00	0.00	0.0	0.0	0.0
E-9	5	-0.21	0.00	0.00	0.0	0.0	0.0
F-9	5	-0.22	0.12	0.00	0.0	0.0	0.0

Company: AC INGENIERIA Engineer: ALVARO CABALLERO
Project: CASA CORREGIDOR - SOGAMOSO BLOQUE NUEVO 4:19:05 p. m. 4/05/2022

Axis	Floor	Px	Py	Pz	Mx	My	Mz
A-1	6	0.06	0.09	0.00	0.0	0.0	0.0
B-1	6	0.10	0.00	0.00	0.0	0.0	0.0
C-1	6	0.08	0.00	0.00	0.0	0.0	0.0
D-1	6	0.10	0.00	0.00	0.0	0.0	0.0
E-1	6	0.15	0.00	0.00	0.0	0.0	0.0
F-1	6	0.16	0.09	0.00	0.0	0.0	0.0
A-3	6	0.00	0.13	0.00	0.0	0.0	0.0
G-3	6	0.07	0.13	0.00	0.0	0.0	0.0
A-4	6	0.00	0.18	0.00	0.0	0.0	0.0
G-4	6	0.00	0.18	0.00	0.0	0.0	0.0
A-7	6	0.00	0.18	0.00	0.0	0.0	0.0
G-7	6	0.00	0.18	0.00	0.0	0.0	0.0
A-8	6	0.00	0.13	0.00	0.0	0.0	0.0
G-8	6	-0.07	0.13	0.00	0.0	0.0	0.0
A-9	6	-0.06	0.09	0.00	0.0	0.0	0.0
B-9	6	-0.10	0.00	0.00	0.0	0.0	0.0
C-9	6	-0.08	0.00	0.00	0.0	0.0	0.0
D-9	6	-0.09	0.00	0.00	0.0	0.0	0.0
E-9	6	-0.15	0.00	0.00	0.0	0.0	0.0
F-9	6	-0.16	0.09	0.00	0.0	0.0	0.0



Corte Típico de Losa

Planta Típica de Losa



GEOMETRÍA BÁSICA DE LA LOSA Y LAS VIGUETAS

Nombre o Referencia de la Vigueta	**VT-250**		
Número de Tramos de la Vigueta	**5**		
Voladizos en la Vigueta	No hay Voladizos		
Ancho B de la Vigueta	**0.15 m**		
Altura Total de la Vigueta y de la Placa, H	**0.4 m**		
Espesor de la Plaqueta Superior	**0.05 m**		
Espesor de la Plaqueta Inferior	**0.02 m**	Long Vol Izq	**0 m**
Separación Típica entre Viguetas (a ejes)	**0.99 m**	Long Vol Der	**0 m**

LONGITUD DE LOS TRAMOS DE LA VIGUETA (a ejes)

Longitud de los Tramos	
Tramo .	**Longitud (m) .**
1	**1.88**
2	**1.97**
3	**3.10**
4	**4.67**
5	**3.27**

Nombre o Referencia de la Vigueta **VT-250**

SOLICITACIONES . Cargas de Servicio

Carga por Acabados Superiores	**120 kg/m2**
Carga por Acabados Inferiores	**80 kg/m2**
Carga por Muros Divisorios	**300 kg/m2**
Carga por Casetón o Aligerante Equivalente	**35 kg/m2**
Carga Viva o Sobreimpuesta	**200 kg/m2**

CÁLCULO DETALLADO DE LAS CARGAS A LA VIGUETA

Tipo de Carga	Detalle Cálculos	Carga Aplicada
Plaqueta Superior	0.05 x 2.4	**0.12 t/m2**
Plaqueta Inferior	0.02 x 2.4	**0.048 t/m2**
Vigueta	0.15 x 0.33 x 2.4 / 0.99	**0.12 t/m2**
Acabado Superior	120 / 1000	**0.12 t/m2**
Acabado Inferior	80 / 1000	**0.08 t/m2**
Muros Divisorios	300 / 1000	**0.3 t/m2**
Aligerante (Casetón o Equiv)	35 / 1000	**0.035 t/m2**
Carga Muerta Total Losa		**0.823 t/m2**
Carga Viva Aplicada Losa		**0.2 t/m2**
Carga Muerta Vigueta	0.823 x 0.99	**0.815 t/m**
Carga Viva Vigueta	0.2 x 0.99	**0.198 t/m**

RESISTENCIA DE LOS MATERIALES

Resistencia a la Compresión del Concreto, F'c	**240 kg/cm2**
Límite de Fluencia del Acero Longitudinal, Fy	**4200 kg/cm2**
Límite de Fluencia del Acero Flejes, Fyf	**2400 kg/cm2**
Recubrimiento al Centroide, d'	**3.8 cm**
Número de Ramas del Fleje Tipo	**1**
Diámetro del Fleje Tipo (Octavos de Pulgada)	**3**
Número de Varillas Longitudinales	**2**

Nombre o Referencia de la Vigueta **VT-250**

REACCIONES EN LOS APOYOS (t)

Apoyo #	Hipótesis Carga 1	Hipótesis Carga 2	Hipótesis Carga 3
1	0.607	0.181	-0.034
2	1.719	0.129	0.289
3	1.773	0.399	0.032
4	3.436	0.265	0.570
5	3.690	0.366	0.531
6	0.908	0.294	-0.073

MOMENTOS EN LOS APOYOS (t-m)

Apoyo #	Hipótesis Carga 1	Hipótesis Carga 2	Hipótesis Carga 3
1	0.000	0.000	0.000
2	-0.298	-0.009	-0.063
3	-0.313	-0.132	0.055
4	-1.246	-0.039	-0.263
5	-1.389	-0.097	-0.240
6	0.000	0.000	0.000

SIMBOLOGÍA t : toneladas t-m : toneladas-metro

Nombre o Referencia de la Vigueta **VT-250**

Sección (cm): **15** x **40**

Análisis y Diseño de la Vigueta

Tramo 1 de 5 — L (entre ejes): 1.88 m

X (m)	0.0	0.188	0.376	0.564	0.752	0.94	1.128	1.316	1.504	1.692	1.88
Momento Mu(-) (t-m)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.091	-0.257	-0.473
Acero(-) (cm²)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.81	1.81	1.81
Armadura(-) Sugerida	1 # 3	1 # 3	1 # 3	1 # 3	1 # 3	1 # 3	1 # 3	1 # 3	1 # 5	1 # 5	1 # 5
Momento Mu(+) (t-m)	0.0	0.169	0.292	0.369	0.4	0.386	0.326	0.22	0.068	0.0	0.0
Acero (+) (cm²)	0.0	1.81	1.81	1.81	1.81	1.81	1.81	1.81	1.81	0.0	0.0
Armadura(+) Sugerida	1 # 3	1 # 5	1 # 5	1 # 5	1 # 5	1 # 5	1 # 5	1 # 5	1 # 5	1 # 3	1 # 3
Cortante Vu (t)	1.02	0.78	0.53	0.29	0.06	0.25	0.5	0.74	0.98	1.23	1.47
Separación Flejes(cm)	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0

Tramo 2 de 5 — L (entre ejes): 1.97 m

X (m)	0.0	0.197	0.394	0.591	0.788	0.985	1.182	1.379	1.576	1.773	1.97
Momento Mu(-) (t-m)	-0.473	-0.25	-0.111	-0.038	-0.002	-0.005	-0.045	-0.124	-0.24	-0.394	-0.587
Acero(-) (cm²)	1.81	1.81	1.81	1.81	1.81	1.81	1.81	1.81	1.81	1.81	1.81
Armadura(-) Sugerida	1 # 5	1 # 5	1 # 5	1 # 5	1 # 5	1 # 5	1 # 5	1 # 5	1 # 5	1 # 5	1 # 5
Momento Mu(+) (t-m)	0.0	0.0	0.0	0.12	0.213	0.255	0.247	0.189	0.08	0.0	0.0
Acero (+) (cm²)	0.0	0.0	0.0	1.81	1.81	1.81	1.81	1.81	1.81	0.0	0.0
Armadura(+) Sugerida	1 # 3	1 # 3	1 # 3	1 # 5	1 # 5	1 # 5	1 # 5	1 # 5	1 # 5	1 # 3	1 # 3
Cortante Vu (t)	1.36	1.11	0.85	0.6	0.34	0.11	0.3	0.52	0.78	1.03	1.29
Separación Flejes(cm)	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0

Tramo 3 de 5 — L (entre ejes): 3.1 m

X (m)	0.0	0.31	0.62	0.93	1.24	1.55	1.86	2.17	2.48	2.79	3.1
Momento Mu(-) (t-m)	-0.587	-0.124	0.0	0.0	0.0	0.0	-0.137	-0.441	-0.839	-1.33	-1.979
Acero(-) (cm²)	1.81	1.81	0.0	0.0	0.0	0.0	1.81	1.81	1.81	1.81	1.81
Armadura(-) Sugerida	1 # 5	1 # 5	1 # 3	1 # 3	1 # 3	1 # 3	1 # 5	1 # 5	1 # 5	1 # 5	1 # 5
Momento Mu(+) (t-m)	0.0	0.0	0.214	0.428	0.518	0.483	0.324	0.04	0.0	0.0	0.0
Acero (+) (cm²)	0.0	0.0	1.81	1.81	1.81	1.81	1.81	1.81	0.0	0.0	0.0
Armadura(+) Sugerida	1 # 3	1 # 3	1 # 5	1 # 5	1 # 5	1 # 5	1 # 5	1 # 5	1 # 3	1 # 3	1 # 3
Cortante Vu (t)	1.69	1.29	0.89	0.49	0.22	0.53	0.88	1.28	1.68	2.08	2.48
Separación Flejes(cm)	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	18.1	18.1

Tramo 4 de 5 — L (entre ejes): 4.67 m

X (m)	0.0	0.467	0.934	1.401	1.868	2.335	2.802	3.269	3.736	4.203	4.67
Momento Mu(-) (t-m)	-1.979	-0.731	0.0	0.0	0.0	0.0	0.0	0.0	-0.063	-0.913	-2.206
Acero(-) (cm²)	1.81	1.81	0.0	0.0	0.0	0.0	0.0	0.0	1.81	1.81	1.81
Armadura(-) Sugerida	1 # 5	1 # 5	1 # 3	1 # 3	1 # 3	1 # 3	1 # 3	1 # 3	1 # 5	1 # 5	1 # 5
Momento Mu(+) (t-m)	0.0	0.0	0.316	1.008	1.418	1.546	1.391	0.954	0.235	0.0	0.0
Acero (+) (cm²)	0.0	0.0	1.81	1.81	1.81	1.81	1.81	1.81	1.81	0.0	0.0
Armadura(+) Sugerida	1 # 3	1 # 3	1 # 5	1 # 5	1 # 5	1 # 5	1 # 5	1 # 5	1 # 5	1 # 3	1 # 3
Cortante Vu (t)	2.99	2.39	1.78	1.18	0.58	0.06	0.65	1.26	1.86	2.47	3.07
Separación Flejes(cm)	18.1	18.1	18.1	40.0	40.0	40.0	40.0	40.0	18.1	18.1	18.1

SIMBOLOGÍA

Mu: Momento Último de Diseño
Vu: Cortante Último de Diseño

m: metros
t: toneladas
cm: centímetros
cm2: centímetros cuadrados

Nombre o Referencia de la Vigueta **VT-250**

Sección (cm): **15** x **40**

Análisis y Diseño de la Vigueta

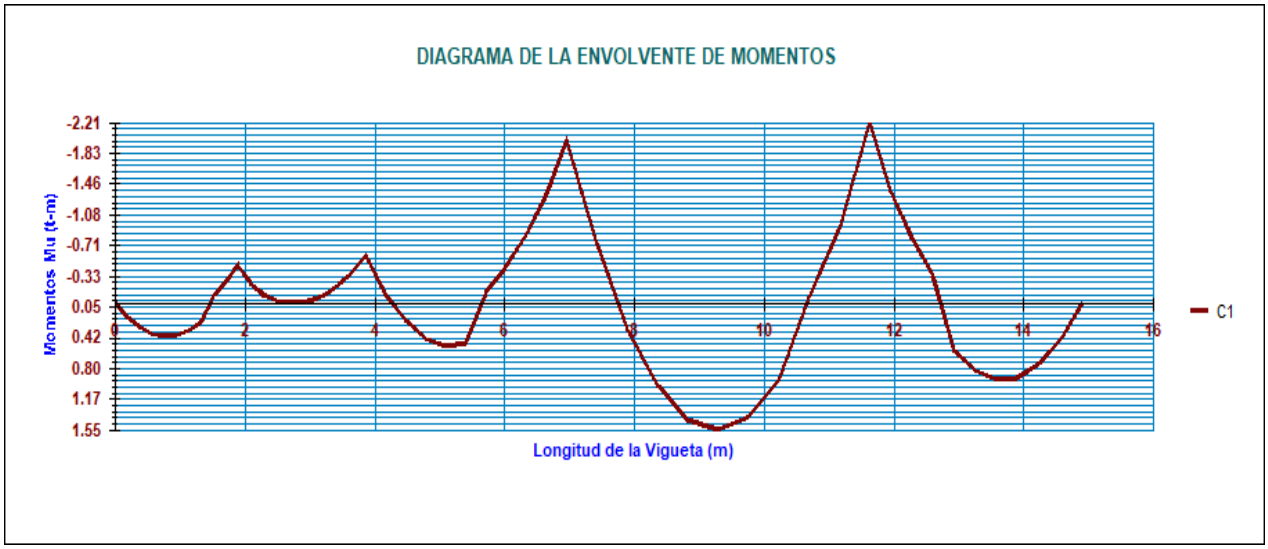
Tramo: 5 de 5 — L (entre ejes): 3.27 m

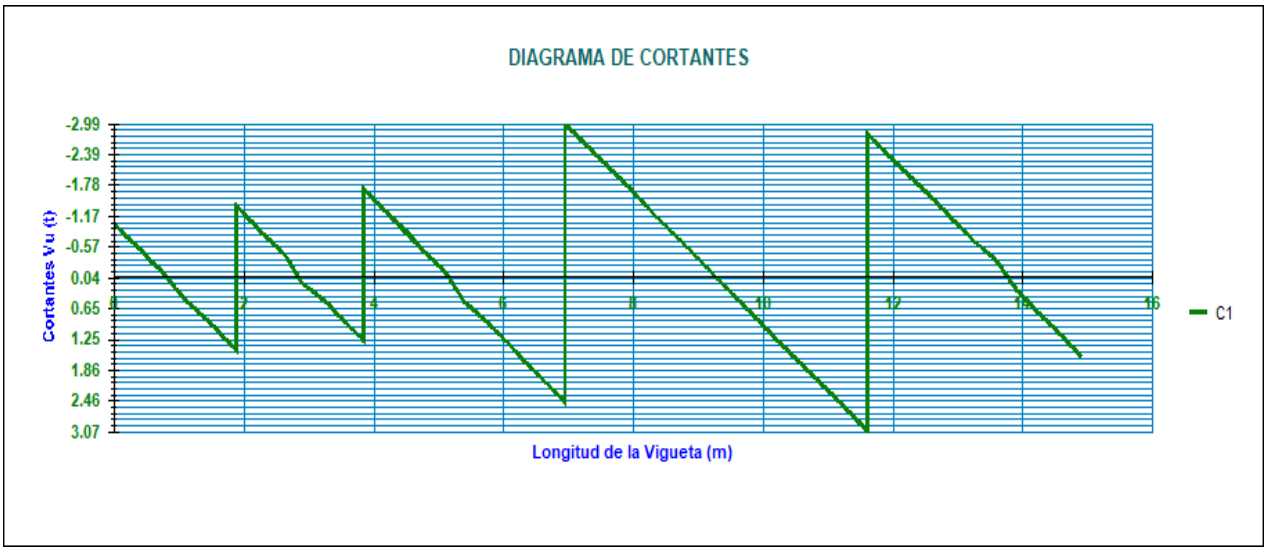
X (m)	0.0	0.327	0.654	0.981	1.308	1.635	1.962	2.289	2.616	2.943	3.27
Momento Mu(-) (t-m)	-2.206	-1.375	-0.804	-0.337	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Acero(-) (cm²)	**1.81**	**1.81**	**1.81**	**1.81**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
Armadura(-) Sugerida	**1 # 5**	**1 # 5**	**1 # 5**	**1 # 5**	**1 # 3**	**1 # 3**	**1 # 3**	**1 # 3**	**1 # 3**	**1 # 3**	**1 # 3**
Momento Mu(+) (t-m)	0.0	0.0	0.0	0.178	0.568	0.819	0.932	0.907	0.743	0.441	0.0
Acero (+) (cm²)	**0.0**	**0.0**	**0.0**	**1.81**	**1.81**	**1.81**	**1.81**	**1.81**	**1.81**	**1.81**	**0.0**
Armadura(+) Sugerida	**1 # 3**	**1 # 3**	**1 # 3**	**1 # 5**	**1 # 5**	**1 # 5**	**1 # 5**	**1 # 5**	**1 # 5**	**1 # 5**	**1 # 3**
Cortante Vu (t)	2.79	2.37	1.94	1.52	1.1	0.67	0.31	0.29	0.71	1.14	1.56
Separación Flejes(cm)	18.1	18.1	18.1	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0

SIMBOLOGÍA
Mu: Momento Último de Diseño
Vu: Cortante Último de Diseño

m: metros
t: toneladas
cm: centímetros
cm2: centímetros cuadrados

Nombre o Referencia de la Vigueta **VT-250**





SIMBOLOGÍA m: metros
t: toneladas

Nombre o Referencia de la Vigueta **VT-250**

CARGAS APLICADAS A LA VIGUETA

Carga #	Tipo .	Valor de la Carga y Brazo Local .
1	WD	0.815 t/m Bzo: 0 m
2	WL	0.198 t/m Bzo: 0 m

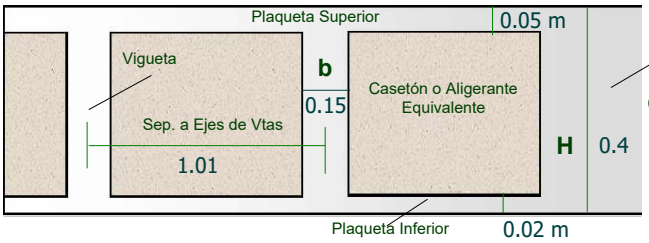
ENVOLVENTE: CARGAS DE LA VIGUETA

Tramo #	Grupo Carg Hipótesis 1	Grupo Carg Hipótesis 2	Grupo Carg Hipótesis 3
1	1	2	0
2	1	0	2
3	1	2	0
4	1	0	2
5	1	2	0

Nombre o Referencia de la Vigueta **VT-250**

CARGAS SOBRE LAS VIGAS (t / m)				
Apoyo #	Hipót Carga 1 < D >	Hipót Carga 2 < L >	Hipót Carga 3 < L >	Hipót Carga 2 + 3 < L >
1	0.614	0.183	-0.034	0.149
2	1.736	0.130	0.292	0.422
3	1.790	0.403	0.032	0.435
4	3.470	0.267	0.576	0.843
5	3.727	0.370	0.536	0.906
6	0.917	0.297	-0.074	0.223

SIMBOLOGÍA m: metros
t: toneladas



Corte Típico de Losa



Planta Típica de Losa

GEOMETRÍA BÁSICA DE LA LOSA Y LAS VIGUETAS

Nombre o Referencia de la Vigueta	**VT-254**		
Número de Tramos de la Vigueta	**6**		
Voladizos en la Vigueta	No hay Voladizos		
Ancho B de la Vigueta	**0.15 m**		
Altura Total de la Vigueta y de la Placa, H	**0.4 m**		
Espesor de la Plaqueta Superior	**0.05 m**		
Espesor de la Plaqueta Inferior	**0.02 m**	Long Vol Izq	**0 m**
Separación Típica entre Viguetas (a ejes)	**1.01 m**	Long Vol Der	**0 m**

LONGITUD DE LOS TRAMOS DE LA VIGUETA (a ejes)

Longitud de los Tramos	
Tramo .	**Longitud (m) .**
1	**3.11**
2	**1.88**
3	**1.97**
4	**3.10**
5	**4.67**
6	**3.27**

Nombre o Referencia de la Vigueta **VT-254**

SOLICITACIONES . Cargas de Servicio

Carga por Acabados Superiores	**120 kg/m2**
Carga por Acabados Inferiores	**80 kg/m2**
Carga por Muros Divisorios	**300 kg/m2**
Carga por Casetón o Aligerante Equivalente	**35 kg/m2**
Carga Viva o Sobreimpuesta	**200 kg/m2**

CÁLCULO DETALLADO DE LAS CARGAS A LA VIGUETA

Tipo de Carga	Detalle Cálculos	Carga Aplicada
Plaqueta Superior	0.05 x 2.4	**0.12 t/m2**
Plaqueta Inferior	0.02 x 2.4	**0.048 t/m2**
Vigueta	0.15 x 0.33 x 2.4 / 1.01	**0.118 t/m2**
Acabado Superior	120 / 1000	**0.12 t/m2**
Acabado Inferior	80 / 1000	**0.08 t/m2**
Muros Divisorios	300 / 1000	**0.3 t/m2**
Aligerante (Casetón o Equiv)	35 / 1000	**0.035 t/m2**
Carga Muerta Total Losa		**0.821 t/m2**
Carga Viva Aplicada Losa		**0.2 t/m2**
Carga Muerta Vigueta	0.821 x 1.01	**0.829 t/m**
Carga Viva Vigueta	0.2 x 1.01	**0.202 t/m**

RESISTENCIA DE LOS MATERIALES

Resistencia a la Compresión del Concreto, F'c	**240 kg/cm2**
Límite de Fluencia del Acero Longitudinal, Fy	**4200 kg/cm2**
Límite de Fluencia del Acero Flejes, Fyf	**2400 kg/cm2**
Recubrimiento al Centroide, d'	**3.8 cm**
Número de Ramas del Fleje Tipo	**1**
Diámetro del Fleje Tipo (Octavos de Pulgada)	**3**
Número de Varillas Longitudinales	**2**

Nombre o Referencia de la Vigueta **VT-254**

REACCIONES EN LOS APOYOS (t)

Apoyo #	Hipótesis Carga 1	Hipótesis Carga 2	Hipótesis Carga 3
1	1.050	0.267	-0.011
2	2.641	0.426	0.218
3	1.135	0.173	0.104
4	1.936	0.059	0.413
5	3.477	0.578	0.269
6	3.757	0.542	0.373
7	0.922	-0.075	0.300

MOMENTOS EN LOS APOYOS (t-m)

Apoyo #	Hipótesis Carga 1	Hipótesis Carga 2	Hipótesis Carga 3
1	0.000	0.000	0.000
2	-0.741	-0.147	-0.034
3	-0.112	-0.027	-0.001
4	-0.359	0.049	-0.136
5	-1.258	-0.267	-0.040
6	-1.415	-0.245	-0.100
7	0.000	0.000	0.000

SIMBOLOGÍA t : toneladas t-m : toneladas-metro

Nombre o Referencia de la Vigueta **VT-254**

Sección (cm): **15** x **40**

Análisis y Diseño de la Vigueta

Tramo 1 de 6 — L (entre ejes): 3.11 m

X (m)	0.0	0.311	0.622	0.933	1.244	1.555	1.866	2.177	2.488	2.799	3.11
Momento Mu(-) (t-m)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.487	-1.179
Acero(-) (cm²)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.81	1.81
Armadura(-) Sugerida	1 # 3	1 # 3	1 # 3	1 # 3	1 # 3	1 # 3	1 # 3	1 # 3	1 # 3	1 # 5	1 # 5
Momento Mu(+) (t-m)	0.0	0.461	0.795	1.001	1.079	1.031	0.854	0.551	0.119	0.0	0.0
Acero (+) (cm²)	0.0	1.81	1.81	1.81	1.81	1.81	1.81	1.81	1.81	0.0	0.0
Armadura(+) Sugerida	1 # 3	1 # 5	1 # 5	1 # 5	1 # 5	1 # 5	1 # 5	1 # 5	1 # 5	1 # 3	1 # 3
Cortante Vu (t)	1.69	1.28	0.87	0.46	0.05	0.38	0.79	1.2	1.61	2.02	2.43
Separación Flejes(cm)	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	18.1	18.1

Tramo 2 de 6 — L (entre ejes): 1.88 m

X (m)	0.0	0.188	0.376	0.564	0.752	0.94	1.128	1.316	1.504	1.692	1.88
Momento Mu(-) (t-m)	-1.179	-0.872	-0.654	-0.472	-0.324	-0.212	-0.134	-0.092	-0.085	-0.113	-0.178
Acero(-) (cm²)	1.81	1.81	1.81	1.81	1.81	1.81	1.81	1.81	1.81	1.81	1.81
Armadura(-) Sugerida	1 # 5	1 # 5	1 # 5	1 # 5	1 # 5	1 # 5	1 # 5	1 # 5	1 # 5	1 # 5	1 # 5
Momento Mu(+) (t-m)	0.0	0.0	0.0	0.0	0.0	0.043	0.101	0.112	0.076	0.0	0.0
Acero (+) (cm²)	0.0	0.0	0.0	0.0	0.0	1.81	1.81	1.81	1.81	0.0	0.0
Armadura(+) Sugerida	1 # 3	1 # 3	1 # 3	1 # 3	1 # 3	1 # 5	1 # 5	1 # 5	1 # 5	1 # 3	1 # 3
Cortante Vu (t)	1.77	1.52	1.28	1.03	0.78	0.53	0.32	0.13	0.31	0.56	0.81
Separación Flejes(cm)	18.1	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0

Tramo 3 de 6 — L (entre ejes): 1.97 m

X (m)	0.0	0.197	0.394	0.591	0.788	0.985	1.182	1.379	1.576	1.773	1.97
Momento Mu(-) (t-m)	-0.178	-0.013	0.0	0.0	0.0	0.0	0.0	-0.089	-0.237	-0.423	-0.648
Acero(-) (cm²)	1.81	1.81	0.0	0.0	0.0	0.0	0.0	1.81	1.81	1.81	1.81
Armadura(-) Sugerida	1 # 5	1 # 5	1 # 3	1 # 3	1 # 3	1 # 3	1 # 3	1 # 5	1 # 5	1 # 5	1 # 5
Momento Mu(+) (t-m)	0.0	0.036	0.197	0.308	0.367	0.375	0.332	0.237	0.092	0.0	0.0
Acero (+) (cm²)	0.0	1.81	1.81	1.81	1.81	1.81	1.81	1.81	1.81	0.0	0.0
Armadura(+) Sugerida	1 # 3	1 # 5	1 # 5	1 # 5	1 # 5	1 # 5	1 # 5	1 # 5	1 # 5	1 # 3	1 # 3
Cortante Vu (t)	1.21	0.95	0.69	0.43	0.17	0.26	0.46	0.72	0.98	1.24	1.5
Separación Flejes(cm)	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0

Tramo 4 de 6 — L (entre ejes): 3.1 m

X (m)	0.0	0.31	0.62	0.93	1.24	1.55	1.86	2.17	2.48	2.79	3.1
Momento Mu(-) (t-m)	-0.648	-0.171	0.0	0.0	0.0	0.0	-0.156	-0.458	-0.856	-1.349	-2.001
Acero(-) (cm²)	1.81	1.81	0.0	0.0	0.0	0.0	1.81	1.81	1.81	1.81	1.81
Armadura(-) Sugerida	1 # 5	1 # 5	1 # 3	1 # 3	1 # 3	1 # 3	1 # 5	1 # 5	1 # 5	1 # 5	1 # 5
Momento Mu(+) (t-m)	0.0	0.0	0.18	0.404	0.501	0.472	0.316	0.034	0.0	0.0	0.0
Acero (+) (cm²)	0.0	0.0	1.81	1.81	1.81	1.81	1.81	1.81	0.0	0.0	0.0
Armadura(+) Sugerida	1 # 3	1 # 3	1 # 5	1 # 5	1 # 5	1 # 5	1 # 5	1 # 5	1 # 3	1 # 3	1 # 3
Cortante Vu (t)	1.74	1.34	0.93	0.52	0.2	0.51	0.87	1.28	1.69	2.1	2.5
Separación Flejes(cm)	18.1	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	18.1	18.1

SIMBOLOGÍA
Mu: Momento Último de Diseño
Vu: Cortante Último de Diseño
m: metros
t: toneladas
cm: centímetros
cm2: centímetros cuadrados

Nombre o Referencia de la Vigueta **VT-254**

Sección (cm): **15** x **40**

Análisis y Diseño de la Vigueta

Tramo 5 de 6 — L (entre ejes): 4.67 m

X (m)	0.0	0.467	0.934	1.401	1.868	2.335	2.802	3.269	3.736	4.203	4.67
Momento Mu(-) (t-m)	-2.001	-0.733	0.0	0.0	0.0	0.0	0.0	0.0	-0.065	-0.932	-2.25
Acero(-) (cm²)	1.81	1.81	0.0	0.0	0.0	0.0	0.0	0.0	1.81	1.81	1.81
Armadura(-) Sugerida	1 # 5	1 # 5	1 # 3	1 # 3	1 # 3	1 # 3	1 # 3	1 # 3	1 # 5	1 # 5	1 # 5
Momento Mu(+) (t-m)	0.0	0.0	0.331	1.034	1.45	1.578	1.419	0.973	0.239	0.0	0.0
Acero (+) (cm²)	0.0	0.0	1.81	1.81	1.81	1.81	1.81	1.81	1.81	0.0	0.0
Armadura(+) Sugerida	1 # 3	1 # 3	1 # 5	1 # 5	1 # 5	1 # 5	1 # 5	1 # 5	1 # 5	1 # 3	1 # 3
Cortante Vu (t)	3.04	2.43	1.81	1.2	0.58	0.06	0.67	1.28	1.9	2.52	3.13
Separación Flejes(cm)	18.1	18.1	18.1	40.0	40.0	40.0	40.0	40.0	18.1	18.1	18.1

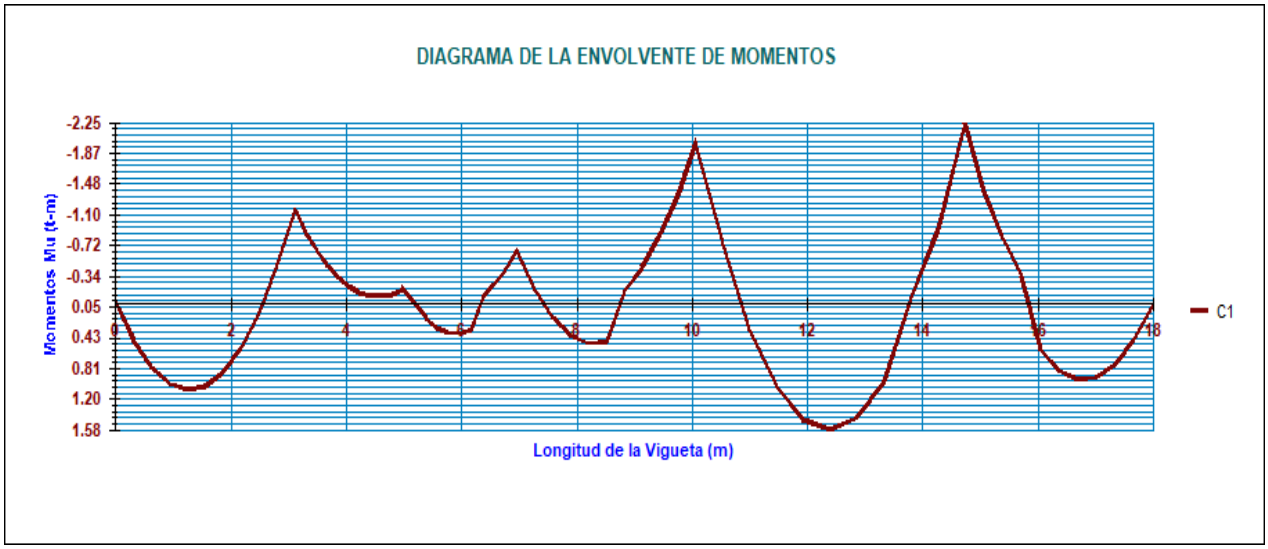
Tramo 6 de 6 — L (entre ejes): 3.27 m

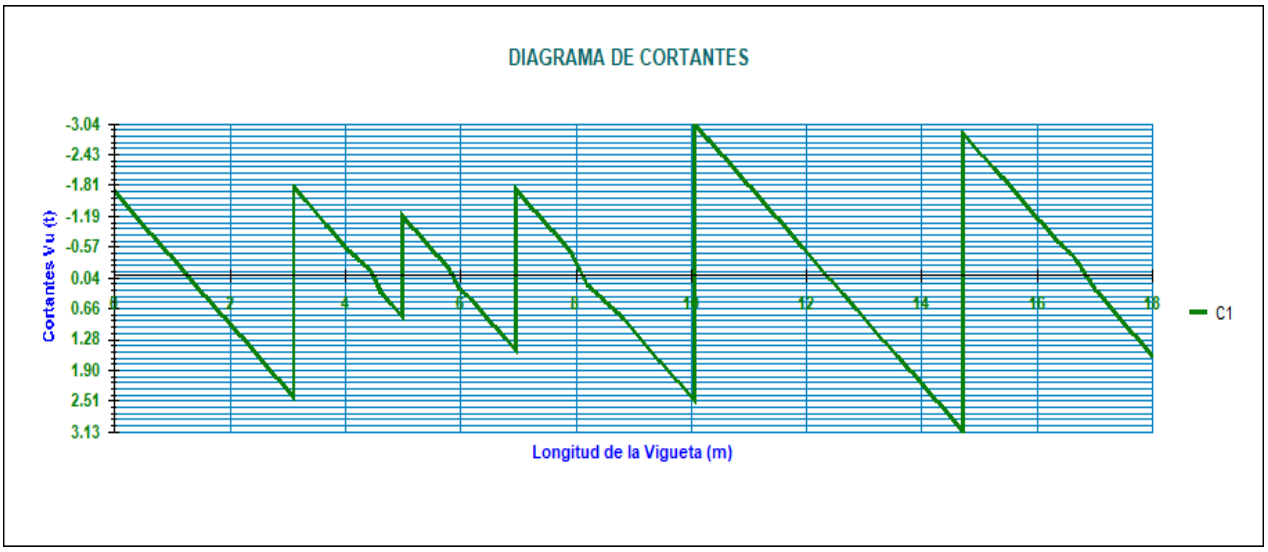
X (m)	0.0	0.327	0.654	0.981	1.308	1.635	1.962	2.289	2.616	2.943	3.27
Momento Mu(-) (t-m)	-2.25	-1.403	-0.822	-0.347	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Acero(-) (cm²)	1.81	1.81	1.81	1.81	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Armadura(-) Sugerida	1 # 5	1 # 5	1 # 5	1 # 5	1 # 3	1 # 3	1 # 3	1 # 3	1 # 3	1 # 3	1 # 3
Momento Mu(+) (t-m)	0.0	0.0	0.0	0.179	0.576	0.833	0.948	0.922	0.756	0.448	0.0
Acero (+) (cm²)	0.0	0.0	0.0	1.81	1.81	1.81	1.81	1.81	1.81	1.81	0.0
Armadura(+) Sugerida	1 # 3	1 # 3	1 # 3	1 # 5	1 # 5	1 # 5	1 # 5	1 # 5	1 # 5	1 # 5	1 # 3
Cortante Vu (t)	2.84	2.41	1.98	1.55	1.12	0.69	0.31	0.29	0.72	1.16	1.59
Separación Flejes(cm)	18.1	18.1	18.1	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0

SIMBOLOGÍA
Mu: Momento Último de Diseño
Vu: Cortante Último de Diseño

m: metros
t: toneladas
cm: centímetros
cm2: centímetros cuadrados

Nombre o Referencia de la Vigueta **VT-254**





SIMBOLOGÍA m: metros
t: toneladas

Nombre o Referencia de la Vigueta **VT-254**

CARGAS APLICADAS A LA VIGUETA

Carga #	Tipo .	Valor de la Carga y Brazo Local .
1	WD	0.829 t/m Bzo: 0 m
2	WL	0.202 t/m Bzo: 0 m

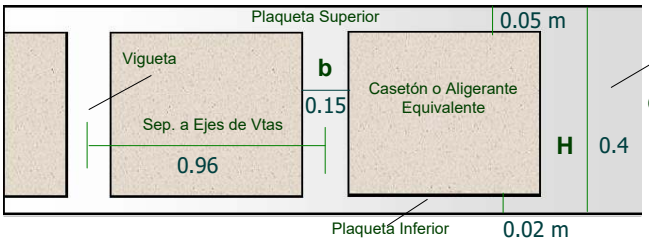
ENVOLVENTE: CARGAS DE LA VIGUETA

Tramo #	Grupo Carg Hipótesis 1	Grupo Carg Hipótesis 2	Grupo Carg Hipótesis 3
1	1	2	0
2	1	0	2
3	1	2	0
4	1	0	2
5	1	2	0
6	1	0	2

Nombre o Referencia de la Vigueta **VT-254**

CARGAS SOBRE LAS VIGAS (t / m)				
Apoyo #	Hipót Carga 1 < D >	Hipót Carga 2 < L >	Hipót Carga 3 < L >	Hipót Carga 2 + 3 < L >
1	1.040	0.264	-0.011	0.253
2	2.615	0.421	0.216	0.637
3	1.124	0.171	0.103	0.274
4	1.917	0.058	0.409	0.467
5	3.442	0.572	0.267	0.839
6	3.720	0.537	0.370	0.907
7	0.913	-0.074	0.297	0.223

SIMBOLOGÍA m: metros
t: toneladas



Corte Típico de Losa



Planta Típica de Losa

GEOMETRÍA BÁSICA DE LA LOSA Y LAS VIGUETAS

Nombre o Referencia de la Vigueta	**VT-263**		
Número de Tramos de la Vigueta	**5**		
Voladizos en la Vigueta	No hay Voladizos		
Ancho B de la Vigueta	**0.15 m**		
Altura Total de la Vigueta y de la Placa, H	**0.4 m**		
Espesor de la Plaqueta Superior	**0.05 m**		
Espesor de la Plaqueta Inferior	**0.02 m**	Long Vol Izq	**0 m**
Separación Típica entre Viguetas (a ejes)	**0.96 m**	Long Vol Der	**0 m**

LONGITUD DE LOS TRAMOS DE LA VIGUETA (a ejes)

Longitud de los Tramos	
Tramo .	**Longitud (m) .**
1	**1.88**
2	**1.97**
3	**3.10**
4	**4.67**
5	**3.60**

Nombre o Referencia de la Vigueta **VT-263**

SOLICITACIONES . Cargas de Servicio

Carga por Acabados Superiores	**120 kg/m2**
Carga por Acabados Inferiores	**80 kg/m2**
Carga por Muros Divisorios	**300 kg/m2**
Carga por Casetón o Aligerante Equivalente	**35 kg/m2**
Carga Viva o Sobreimpuesta	**200 kg/m2**

CÁLCULO DETALLADO DE LAS CARGAS A LA VIGUETA

Tipo de Carga	Detalle Cálculos	Carga Aplicada
Plaqueta Superior	0.05 x 2.4	**0.12 t/m2**
Plaqueta Inferior	0.02 x 2.4	**0.048 t/m2**
Vigueta	0.15 x 0.33 x 2.4 / 0.96	**0.124 t/m2**
Acabado Superior	120 / 1000	**0.12 t/m2**
Acabado Inferior	80 / 1000	**0.08 t/m2**
Muros Divisorios	300 / 1000	**0.3 t/m2**
Aligerante (Casetón o Equiv)	35 / 1000	**0.035 t/m2**
Carga Muerta Total Losa		**0.827 t/m2**
Carga Viva Aplicada Losa		**0.2 t/m2**
Carga Muerta Vigueta	0.827 x 0.96	**0.794 t/m**
Carga Viva Vigueta	0.2 x 0.96	**0.192 t/m**

RESISTENCIA DE LOS MATERIALES

Resistencia a la Compresión del Concreto, F'c	**240 kg/cm2**
Límite de Fluencia del Acero Longitudinal, Fy	**4200 kg/cm2**
Límite de Fluencia del Acero Flejes, Fyf	**2400 kg/cm2**
Recubrimiento al Centroide, d'	**3.8 cm**
Número de Ramas del Fleje Tipo	**1**
Diámetro del Fleje Tipo (Octavos de Pulgada)	**3**
Número de Varillas Longitudinales	**2**

Nombre o Referencia de la Vigueta **VT-263**

REACCIONES EN LOS APOYOS (t)

Apoyo #	Hipótesis Carga 1	Hipótesis Carga 2	Hipótesis Carga 3
1	0.593	0.176	-0.033
2	1.667	0.122	0.281
3	1.746	0.394	0.029
4	3.307	0.243	0.557
5	3.741	0.402	0.502
6	1.027	0.310	-0.062

MOMENTOS EN LOS APOYOS (t-m)

Apoyo #	Hipótesis Carga 1	Hipótesis Carga 2	Hipótesis Carga 3
1	0.000	0.000	0.000
2	-0.288	-0.008	-0.062
3	-0.315	-0.131	0.055
4	-1.183	-0.028	-0.259
5	-1.447	-0.128	-0.223
6	0.000	0.000	0.000

Nombre o Referencia de la Vigueta **VT-263**

Sección (cm): **15** x **40**

Análisis y Diseño de la Vigueta

Tramo 1 de 5 — L (entre ejes): 1.88 m

X (m)	0.0	0.188	0.376	0.564	0.752	0.94	1.128	1.316	1.504	1.692	1.88
Momento Mu(-) (t-m)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.086	-0.248	-0.456
Acero(-) (cm²)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.81	1.81	1.81
Armadura(-) Sugerida	1 # 3	1 # 3	1 # 3	1 # 3	1 # 3	1 # 3	1 # 3	1 # 3	1 # 5	1 # 5	1 # 5
Momento Mu(+) (t-m)	0.0	0.165	0.285	0.36	0.391	0.378	0.32	0.217	0.07	0.0	0.0
Acero (+) (cm²)	0.0	1.81	1.81	1.81	1.81	1.81	1.81	1.81	1.81	0.0	0.0
Armadura(+) Sugerida	1 # 3	1 # 5	1 # 5	1 # 5	1 # 5	1 # 5	1 # 5	1 # 5	1 # 5	1 # 3	1 # 3
Cortante Vu (t)	0.99	0.76	0.52	0.28	0.06	0.24	0.48	0.72	0.95	1.19	1.43
Separación Flejes(cm)	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0

Tramo 2 de 5 — L (entre ejes): 1.97 m

X (m)	0.0	0.197	0.394	0.591	0.788	0.985	1.182	1.379	1.576	1.773	1.97
Momento Mu(-) (t-m)	-0.457	-0.241	-0.108	-0.039	-0.006	-0.011	-0.052	-0.131	-0.246	-0.398	-0.588
Acero(-) (cm²)	1.81	1.81	1.81	1.81	1.81	1.81	1.81	1.81	1.81	1.81	1.81
Armadura(-) Sugerida	1 # 5	1 # 5	1 # 5	1 # 5	1 # 5	1 # 5	1 # 5	1 # 5	1 # 5	1 # 5	1 # 5
Momento Mu(+) (t-m)	0.0	0.0	0.0	0.115	0.204	0.244	0.235	0.177	0.07	0.0	0.0
Acero (+) (cm²)	0.0	0.0	0.0	1.81	1.81	1.81	1.81	1.81	1.81	0.0	0.0
Armadura(+) Sugerida	1 # 3	1 # 3	1 # 3	1 # 5	1 # 5	1 # 5	1 # 5	1 # 5	1 # 5	1 # 3	1 # 3
Cortante Vu (t)	1.32	1.07	0.82	0.57	0.33	0.12	0.3	0.52	0.77	1.01	1.26
Separación Flejes(cm)	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0

Tramo 3 de 5 — L (entre ejes): 3.1 m

X (m)	0.0	0.31	0.62	0.93	1.24	1.55	1.86	2.17	2.48	2.79	3.1
Momento Mu(-) (t-m)	-0.588	-0.131	0.0	0.0	0.0	0.0	-0.118	-0.409	-0.793	-1.267	-1.877
Acero(-) (cm²)	1.81	1.81	0.0	0.0	0.0	0.0	1.81	1.81	1.81	1.81	1.81
Armadura(-) Sugerida	1 # 5	1 # 5	1 # 3	1 # 3	1 # 3	1 # 3	1 # 5	1 # 5	1 # 5	1 # 5	1 # 5
Momento Mu(+) (t-m)	0.0	0.0	0.205	0.421	0.515	0.487	0.339	0.07	0.0	0.0	0.0
Acero (+) (cm²)	0.0	0.0	1.81	1.81	1.81	1.81	1.81	1.81	0.0	0.0	0.0
Armadura(+) Sugerida	1 # 3	1 # 3	1 # 5	1 # 5	1 # 5	1 # 5	1 # 5	1 # 5	1 # 3	1 # 3	1 # 3
Cortante Vu (t)	1.67	1.28	0.89	0.5	0.2	0.5	0.83	1.23	1.62	2.01	2.4
Separación Flejes(cm)	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	18.1	18.1

Tramo 4 de 5 — L (entre ejes): 4.67 m

X (m)	0.0	0.467	0.934	1.401	1.868	2.335	2.802	3.269	3.736	4.203	4.67
Momento Mu(-) (t-m)	-1.877	-0.683	0.0	0.0	0.0	0.0	0.0	0.0	-0.184	-1.019	-2.297
Acero(-) (cm²)	1.81	1.81	0.0	0.0	0.0	0.0	0.0	0.0	1.81	1.81	1.81
Armadura(-) Sugerida	1 # 5	1 # 5	1 # 3	1 # 3	1 # 3	1 # 3	1 # 3	1 # 3	1 # 5	1 # 5	1 # 5
Momento Mu(+) (t-m)	0.0	0.0	0.312	0.973	1.359	1.471	1.307	0.869	0.156	0.0	0.0
Acero (+) (cm²)	0.0	0.0	1.81	1.81	1.81	1.81	1.81	1.81	1.81	0.0	0.0
Armadura(+) Sugerida	1 # 3	1 # 3	1 # 5	1 # 5	1 # 5	1 # 5	1 # 5	1 # 5	1 # 5	1 # 3	1 # 3
Cortante Vu (t)	2.89	2.3	1.71	1.12	0.53	0.1	0.68	1.27	1.85	2.44	3.03
Separación Flejes(cm)	18.1	18.1	18.1	40.0	40.0	40.0	40.0	40.0	18.1	18.1	18.1

SIMBOLOGÍA
Mu: Momento Último de Diseño
Vu: Cortante Último de Diseño
m: metros
t: toneladas
cm: centímetros
cm2: centímetros cuadrados

Nombre o Referencia de la Vigueta **VT-263**

Sección (cm): **15** x **40**

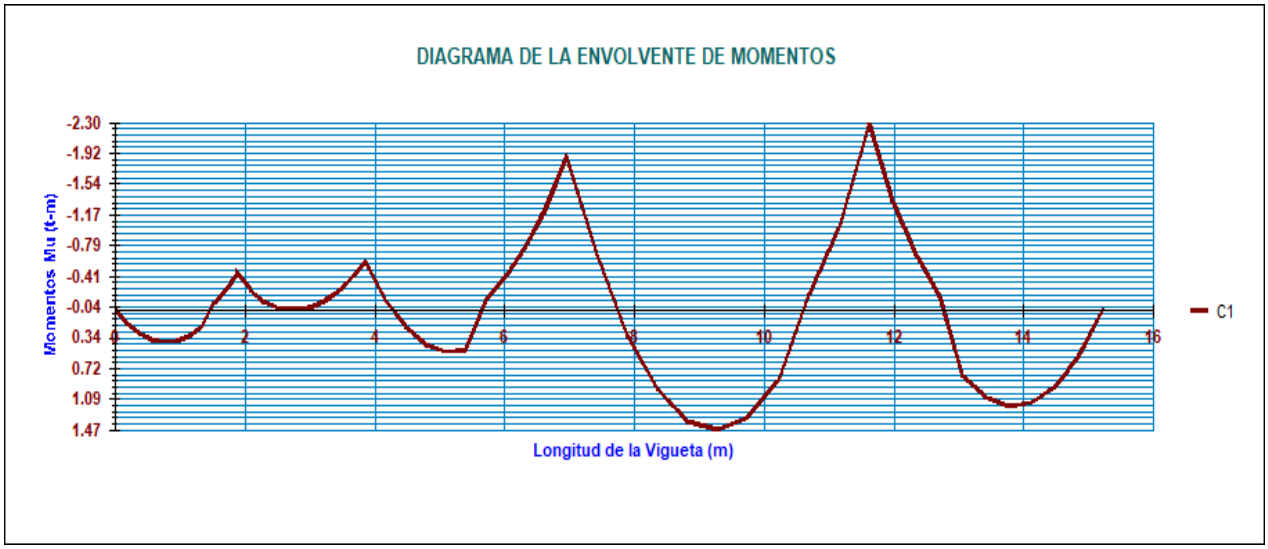
Análisis y Diseño de la Vigueta

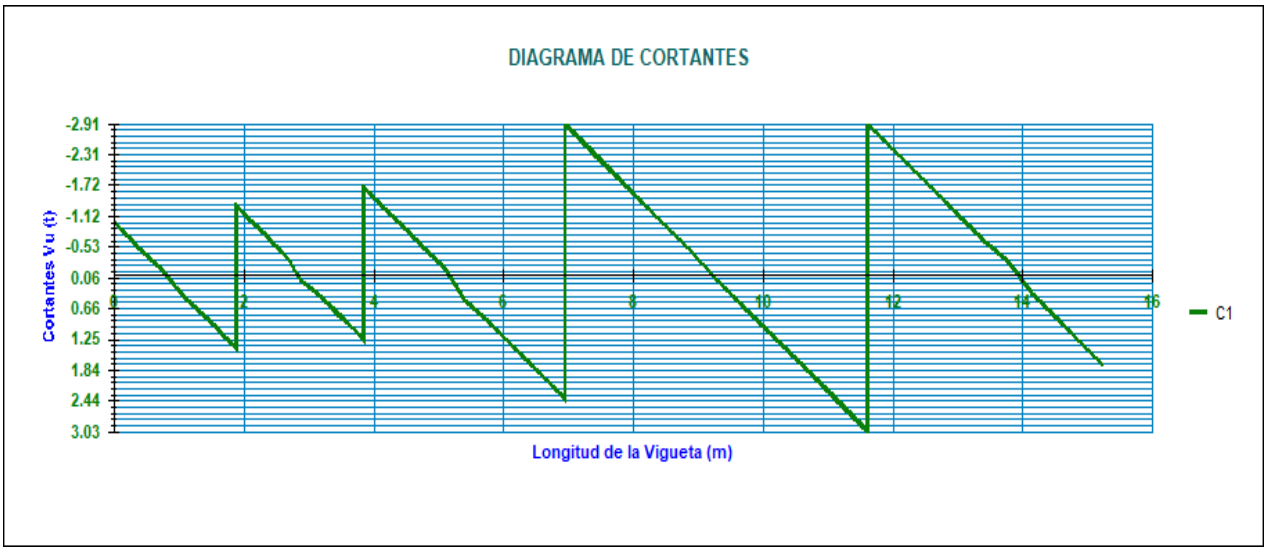
Tramo: 5 de 5 — L (entre ejes): 3.6 m

X (m)	0.0	0.36	0.72	1.08	1.44	1.8	2.16	2.52	2.88	3.24	3.6
Momento Mu(-) (t-m)	-2.297	-1.333	-0.687	-0.169	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Acero(-) (cm²)	**1.81**	**1.81**	**1.81**	**1.81**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
Armadura(-) Sugerida	**1 # 5**	**1 # 5**	**1 # 5**	**1 # 5**	**1 # 3**	**1 # 3**	**1 # 3**	**1 # 3**	**1 # 3**	**1 # 3**	**1 # 3**
Momento Mu(+) (t-m)	0.0	0.0	0.0	0.355	0.794	1.07	1.182	1.132	0.918	0.54	0.0
Acero (+) (cm²)	**0.0**	**0.0**	**0.0**	**1.81**	**1.81**	**1.81**	**1.81**	**1.81**	**1.81**	**1.81**	**0.0**
Armadura(+) Sugerida	**1 # 3**	**1 # 3**	**1 # 3**	**1 # 5**	**1 # 5**	**1 # 5**	**1 # 5**	**1 # 5**	**1 # 5**	**1 # 5**	**1 # 3**
Cortante Vu (t)	2.91	2.45	2.0	1.55	1.09	0.64	0.24	0.37	0.82	1.27	1.73
Separación Flejes(cm)	18.1	18.1	18.1	40.0	40.0	40.0	40.0	40.0	40.0	40.0	18.1

SIMBOLOGÍA
Mu: Momento Último de Diseño
Vu: Cortante Último de Diseño
m: metros
t: toneladas
cm: centímetros
cm2: centímetros cuadrados

Nombre o Referencia de la Vigueta **VT-263**





SIMBOLOGÍA m: metros
t: toneladas

Nombre o Referencia de la Vigueta **VT-263**

CARGAS APLICADAS A LA VIGUETA

Carga #	Tipo .	Valor de la Carga y Brazo Local .
1	WD	0.794 t/m Bzo: 0 m
2	WL	0.192 t/m Bzo: 0 m

ENVOLVENTE: CARGAS DE LA VIGUETA

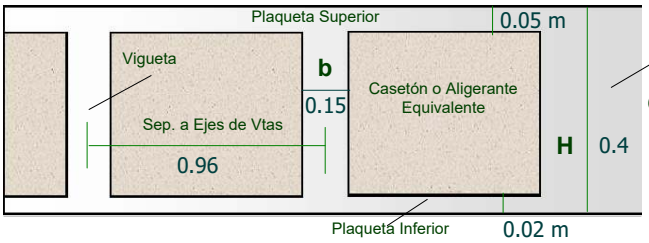
Tramo #	Grupo Carg Hipótesis 1	Grupo Carg Hipótesis 2	Grupo Carg Hipótesis 3
1	1	2	0
2	1	0	2
3	1	2	0
4	1	0	2
5	1	2	0

Nombre o Referencia de la Vigueta **VT-263**

CARGAS SOBRE LAS VIGAS (t / m)

Apoyo #	Hipót Carga 1 < D >	Hipót Carga 2 < L >	Hipót Carga 3 < L >	Hipót Carga 2 + 3 < L >
1	0.618	0.184	-0.034	0.149
2	1.736	0.127	0.293	0.420
3	1.819	0.410	0.030	0.440
4	3.445	0.253	0.580	0.833
5	3.896	0.419	0.523	0.943
6	1.069	0.323	-0.064	0.259

SIMBOLOGÍA m: metros
t: toneladas



Corte Típico de Losa



Planta Típica de Losa

GEOMETRÍA BÁSICA DE LA LOSA Y LAS VIGUETAS

Nombre o Referencia de la Vigueta	**VT-272**		
Número de Tramos de la Vigueta	**1**		
Voladizos en la Vigueta	No hay Voladizos		
Ancho B de la Vigueta	**0.15 m**		
Altura Total de la Vigueta y de la Placa, H	**0.4 m**		
Espesor de la Plaqueta Superior	**0.05 m**		
Espesor de la Plaqueta Inferior	**0.02 m**	Long Vol Izq	**0 m**
Separación Típica entre Viguetas (a ejes)	**0.96 m**	Long Vol Der	**0 m**

LONGITUD DE LOS TRAMOS DE LA VIGUETA (a ejes)

Longitud de los Tramos	
Tramo .	**Longitud (m) .**
1	**3.47**

Nombre o Referencia de la Vigueta **VT-272**

SOLICITACIONES . Cargas de Servicio

Carga por Acabados Superiores	**120 kg/m2**
Carga por Acabados Inferiores	**80 kg/m2**
Carga por Muros Divisorios	**300 kg/m2**
Carga por Casetón o Aligerante Equivalente	**35 kg/m2**
Carga Viva o Sobreimpuesta	**200 kg/m2**

CÁLCULO DETALLADO DE LAS CARGAS A LA VIGUETA

Tipo de Carga	Detalle Cálculos	Carga Aplicada
Plaqueta Superior	0.05 x 2.4	**0.12 t/m2**
Plaqueta Inferior	0.02 x 2.4	**0.048 t/m2**
Vigueta	0.15 x 0.33 x 2.4 / 0.96	**0.124 t/m2**
Acabado Superior	120 / 1000	**0.12 t/m2**
Acabado Inferior	80 / 1000	**0.08 t/m2**
Muros Divisorios	300 / 1000	**0.3 t/m2**
Aligerante (Casetón o Equiv)	35 / 1000	**0.035 t/m2**
Carga Muerta Total Losa		**0.827 t/m2**
Carga Viva Aplicada Losa		**0.2 t/m2**
Carga Muerta Vigueta	0.827 x 0.96	**0.794 t/m**
Carga Viva Vigueta	0.2 x 0.96	**0.192 t/m**

RESISTENCIA DE LOS MATERIALES

Resistencia a la Compresión del Concreto, F'c	**240 kg/cm2**
Límite de Fluencia del Acero Longitudinal, Fy	**4200 kg/cm2**
Límite de Fluencia del Acero Flejes, Fyf	**2400 kg/cm2**
Recubrimiento al Centroide, d'	**3.8 cm**
Número de Ramas del Fleje Tipo	**1**
Diámetro del Fleje Tipo (Octavos de Pulgada)	**3**
Número de Varillas Longitudinales	**2**

Nombre o Referencia de la Vigueta

REACCIONES EN APOYOS (t)		
Apoyo #	Reacción por C. Muerta	Reacción por C. Viva
1	1.377	0.333
2	1.377	0.333

MOMENTOS EN APOYOS (t-m)		
Apoyo #	Momento por C. Muerta	Momento por C. Viva
1	0.000	0.000
2	0.000	0.000

SIMBOLOGÍA t : toneladas t-m : toneladas-metro

Nombre o Referencia de la Vigueta **VT-272**

Sección (cm): **15** x **40**

Análisis y Diseño de la Vigueta

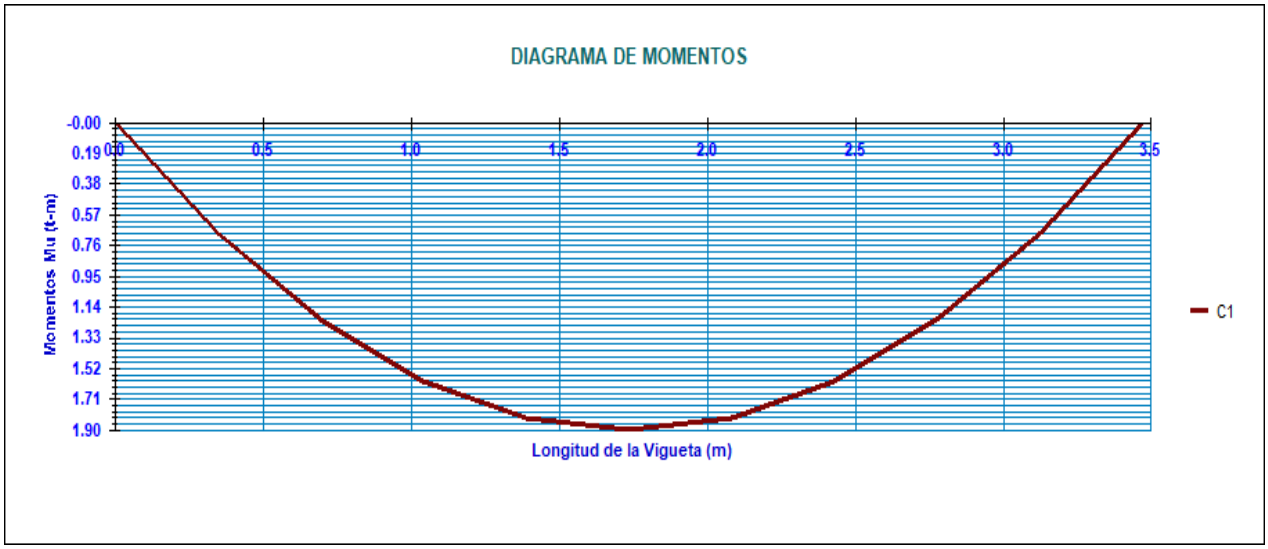
Tramo 1 de 1 L (entre ejes): 3.47 m

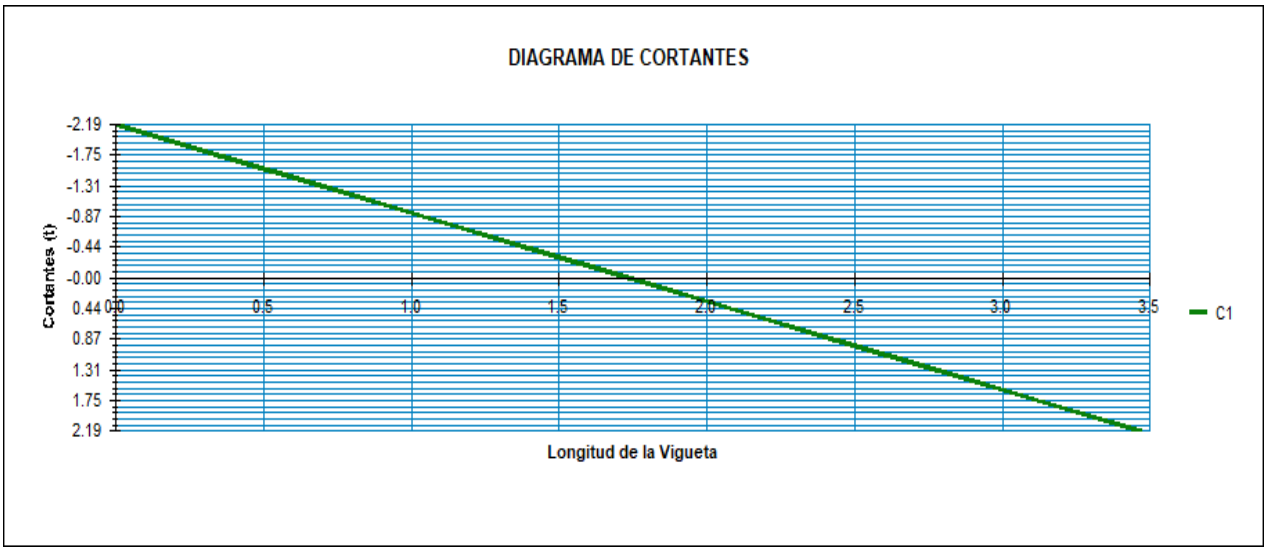
X (m)	0.0	0.347	0.694	1.041	1.388	1.735	2.082	2.429	2.776	3.123	3.47
Momento Mu(-) (t-m)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Acero(-) (cm²)	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
Armadura(-) Sugerida	**1 # 3**	**1 # 3**	**1 # 3**	**1 # 3**	**1 # 3**	**1 # 3**	**1 # 3**	**1 # 3**	**1 # 3**	**1 # 3**	**1 # 3**
Momento Mu(+) (t-m)	0.0	0.682	1.213	1.592	1.82	1.896	1.82	1.592	1.213	0.682	0.0
Acero (+) (cm²)	**0.0**	**1.81**	**1.81**	**1.81**	**1.81**	**1.81**	**1.81**	**1.81**	**1.81**	**1.81**	**0.0**
Armadura(+) Sugerida	**1 # 3**	**1 # 5**	**1 # 5**	**1 # 5**	**1 # 5**	**1 # 5**	**1 # 5**	**1 # 5**	**1 # 5**	**1 # 5**	**1 # 3**
Cortante Vu (t)	2.19	1.75	1.31	0.87	0.44	0.0	-0.44	-0.87	-1.31	-1.75	-2.19
Separación Flejes(cm)	18.1	18.1	40.0	40.0	40.0	40.0	40.0	40.0	40.0	18.1	18.1

SIMBOLOGÍA
Mu: Momento Último de Diseño
Vu: Cortante Último de Diseño

m: metros
t: toneladas
cm: centímetros
cm2: centímetros cuadrados

Nombre o Referencia de la Vigueta **VT-272**





SIMBOLOGÍA m: metros
t: toneladas

Nombre o Referencia de la Vigueta **VT-272**

CARGAS APLICADAS A LA VIGUETA		
Carga #	**Tipo .**	**Valor de la Carga y Brazo Local .**
1	WD	0.794 t/m Bzo: 0 m
2	WL	0.192 t/m Bzo: 0 m

Nombre o Referencia de la Vigueta **VT-272**

CARGAS SOBRE LAS VIGAS (t / m)

Apoyo #	Carga Muerta < WD >	Carga Viva < WL >
1	1.434	0.347
2	1.434	0.347

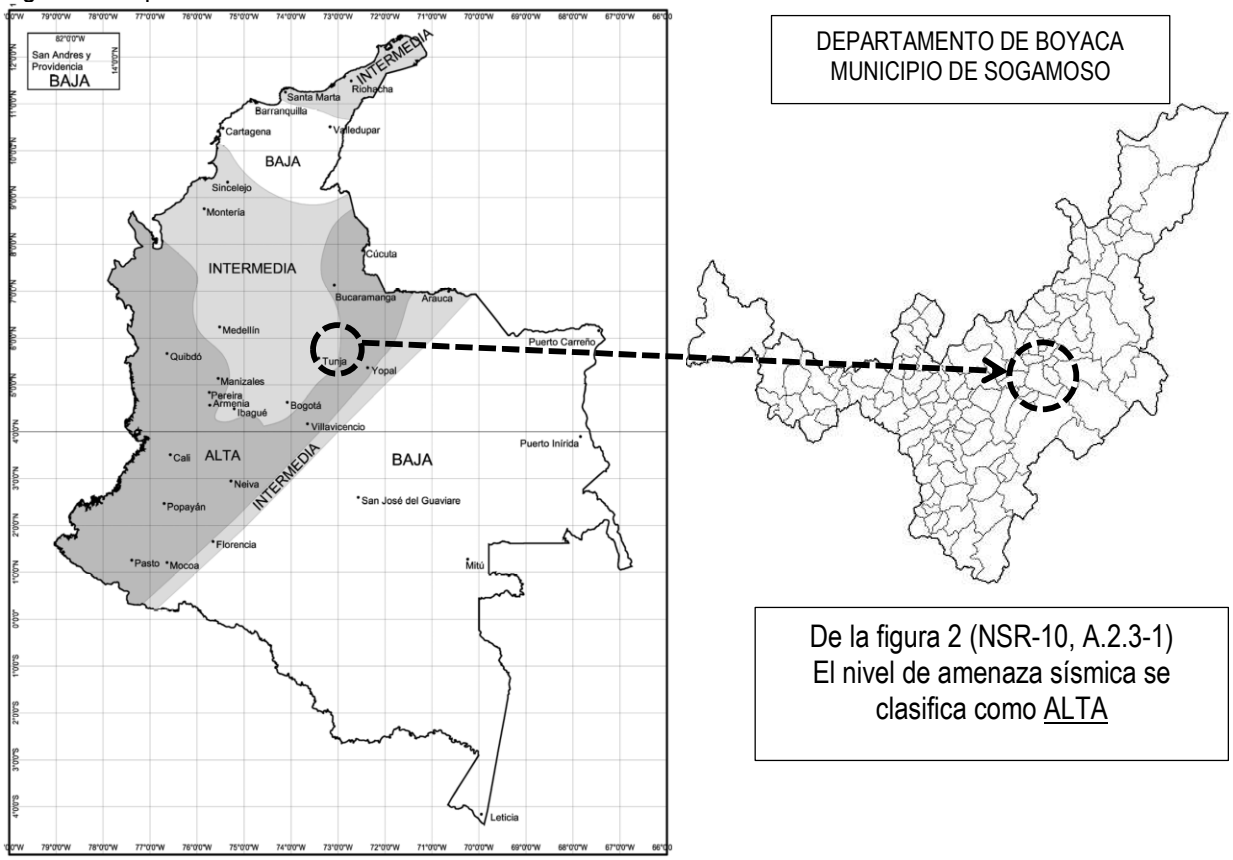
SIMBOLOGÍA
m: metros
t: toneladas

4 ANÁLISIS SÍSMICO

PASO 3: OBTENCIÓN DEL NIVEL DE AMENAZA SÍSMICA Y LOS VALORES DE Aa y Av:

Localización de la edificación en estudio dentro de los mapas de zonificación sísmica en el capítulo A.2 del reglamento NSR-10, y determinación del nivel de amenaza sísmica del lugar, de acuerdo al valor del parámetro Aa obtenido en los mapas. Como la edificación se encuentra en el Municipio de Sogamoso en el Departamento de Boyacá, los datos obtenidos de la norma son:

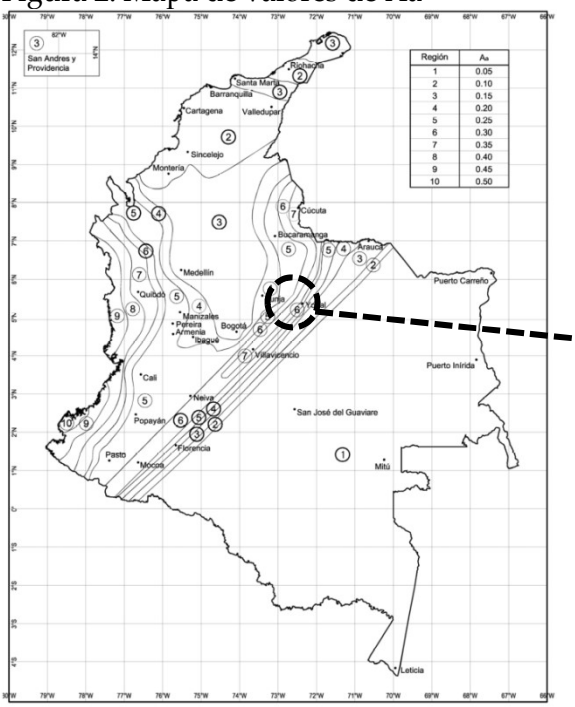
Figura 1. Mapa de zonificación sísmica de Colombia

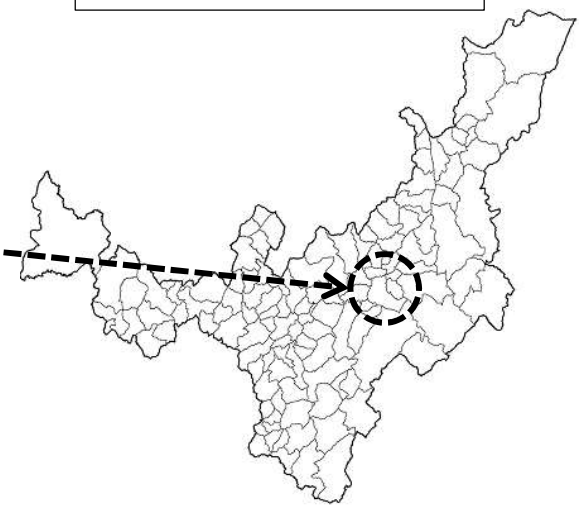


De la figura 2 (NSR-10, A.2.3-1) El nivel de amenaza sísmica se clasifica como ALTA

De las figuras 2 y 4 (NSR-10 A.2.3-2 y A.2.3-3), el municipio de Sogamoso tiene un valor del coeficiente Aa de 0.25 y un Av de 0.25. El perfil de Suelo según el estudio Geotécnico es E.

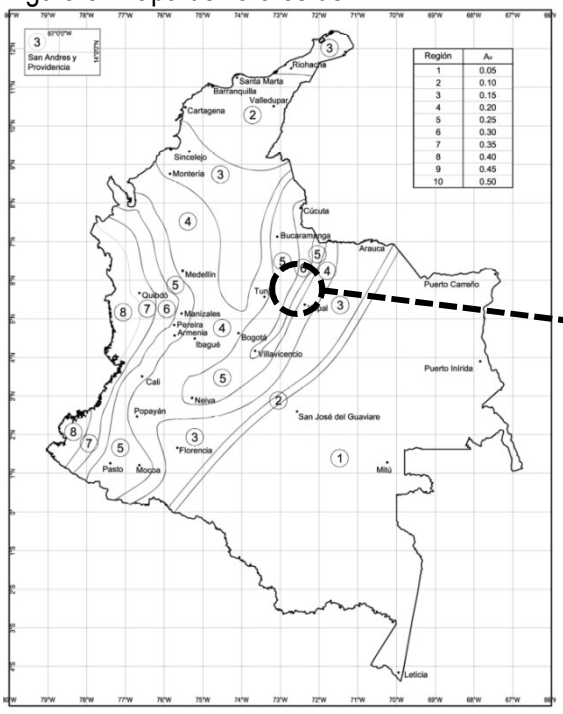
Figura 2. Mapa de valores de Aa





De la figura 2 (NSR-10, A.2.3-2)
El valor de Aa del Municipio de Sogamoso es de 0.25

Figura 3. Mapa de valores de Av





De la figura 3 (NSR-10, A.2.3-2)
El valor de Av del Municipio de Sogamoso es de 0.25

Company: AC INGENIERIA **Engineer: ALVARO CABALLERO**
Project: CASA CORREGIDOR - SOGAMOSO BLOQUE NUEVO **4:06:35 p. m. 4/05/2022**
File: D:\RCB\EDIFICIO CORREDOR - SOGAMOSO\BLOQUES NUEVOS V4.0.rcb

S E I S M I C P A R A M E T E R S - N S R - 1 0

Effective peak acceleration, Aa	0.25
Effective peak velocity coeff, Av	0.25
Importance coefficient, I	1.10
Site profile type, S	E
Amplification coefficient, Fa	1.45
Amplification coefficient, Fv	3.00
Limit period, To (sec)	0.21
Limit period, Tc (sec)	1.00
Long-period transition period, Tl (sec)	7.20
Amplified peak acceleration Aa Fa	0.36
Amplified peak veloc. coefficent Av Fv	0.75
Effective Building Weight	893.4 ton
Seismic base level	1

	X - DIRECTION	Y - DIRECTION
Seismic Force-resisting system	B: Combined	B: Combined
Fundamental period, T	0.340	0.340
Energy Dissipation Coefficient, Ro	7.00	7.00
Reduced Energy Dissipation Coefficient, R	6.30	6.30
Design base shear, V	884.5	884.5

Company: AC INGENIERIA Engineer: ALVARO CABALLERO
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DRIFT-BASED FLEXIBLE-STORY CHECK - NSR-10

	EARTHQUAKE - X				EARTHQUAKE - Y			
Story	Δcm*	Δcm/h	Δn/Δn+1	Irregular	Δcm*	Δcm/h	Δn/Δn+1	Irregular
5	0.9565	0.0035	-	-	0.7334	0.0027	-	-
4	0.4395	0.0044	0.4595	NO	0.3619	0.0036	0.4935	NO
3	0.8910	0.0050	2.0275	?	0.7023	0.0039	1.9407	?
2	1.4529	0.0052	1.6306	?	1.3588	0.0049	1.9348	?
1	1.5558	0.0032	1.0708	NO	1.9177	0.0040	1.4113	?

* Δcm: Story drift at center of mass (cm)
n/n+1 Δ/h: (Δcm/h)n/(Δcm/h)n+1: Ratio between drift ratio at CM of a stotry and that of story above

Vertical irregularities type 1a, 1b, 2 and 3 do not apply if drift ratio of each story is less than 1.3 that of next story above (i.e. n/n+1 Δ/h < 1.3). Story drift ratio of top two stories are not considered

Stiffness-based check is required to establish if stiffness-flexible story irregularity exist!!

DESIGN-SHEAR BASED STORY STIFFNESS

	X - DIRECTION			Y - DIRECTION		
Story	Shear X	Δcm X	Kx	Shear Y	Δcm Y	Ky
5	239.7	0.9565	250.6	239.7	0.7334	326.9
4	465.3	0.4395	1058.6	465.3	0.3619	1285.6
3	527.2	0.8910	591.6	527.2	0.7023	750.6
2	696.1	1.4529	479.1	696.1	1.3588	512.3
1	884.5	1.5558	568.5	884.5	1.9177	461.2

Shear: Design Shear, in ton
Δcm: Drift at center of mass, in cm
K: Story stiffness, in ton/cm

STIFFNESS-BASED FLEXIBLE-STORY CHECK - NSR-10

	EARTHQUAKE - X				EARTHQUAKE - Y			
Story	Kn	Kn/Kn+1	Kn/Kavg3	Irregular	Kn	Kn/Kn+1	Kn/Kavg3	Irregular
5	250.6	-	-	-	326.9	-	-	-
4	1058.6	4.224	-	NO	1285.6	3.933	-	NO
3	591.6	0.559	-	EXT	750.6	0.584	-	EXT
2	479.1	0.810	0.756	YES	512.3	0.682	0.650	EXT
1	568.5	1.187	0.801	NO	461.2	0.900	0.543	EXT

Kn: Stiffness of story n, in ton/cm
Kn/Kn+1: Ratio between stiffness of story n and that of store above n
Kn/Kavg3: Ratio between stiffness of story n and average stiffness of three stories above n

Stiffness-soft story irregularity is considered to exist if Kn/Kn+1 < 0.7 or Kn/Kavg3 < 0.8
Stiffness-EXTreme soft story irregularity is considered to exist if Kn/Kn+1 < 0.6 or Kn/Kavg3 < 0.7

STIFFNESS-SOFT STORY IRREGULARITY (1aA) EXIST !!!
STIFFNESS-EXTREME SOFT STORY IREGULARITY (1bA) EXIST !!!

Notes:
The determination stiffness-soft story irregularity (vertical structural irregularity types 1a and 1b) is conducted based on story-stiffness computed for the design seismic shear distribution, according to FEMA's NEHRP Recommended Provitions for Seismic Regulations for New Buildings and other Structures, Provisions and Commentary ed. 1994, 1997, 2000, 2003, 2009, which is applicable to the following building codes derived from the above documents: (USA) IBC-03/06, ASCE 7-05/10, CBC-01/07, UBC-97, (COLOMBIA) NSR-10, (PAN) REP-2004,(DOM) R-001, (GUA) NSE10.

Company: AC INGENIERIA Engineer: ALVARO CABALLERO
Project: CASA CORREGIDOR - SOGAMOSO BLOQUE NUEVO 4:07:22 p. m. 4/05/2022

WEIGHT (MASS) IRREGULARITY CHECK

Floor	Wn	Wn/Wn+1	Wn/Wn-1	Irregular
6	152.1	-	0.847	-
5	179.5	-	3.280	YES
4	54.7	0.305	0.297	NO
3	184.2	3.367	0.571	YES
2	322.9	1.753	-	YES

Wn: Effective weight of floor n, in ton
Wn/Wn+1: Ratio between weight of floor n and weight of floor above n
Wn/Wn-1: Ratio between weight of floor n and weight of floor below n

Weight (mass) irregularity is considered to exist if effective weight of any floory is more than 1.5 times the effective weight of an adjacent floor. That is, if Wn/Wn+1 > 1.5 or Wn/Wn-1 > 1.5.
A roof that is lighter than the floor below is not considered.

WEIGHT (MASS) IRREGULARITY (2) EXIST !!!
WEIGHT (MASS) IRREGULARITY (2A) EXIST !!!

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S E I S M I C D E S I G N C O D E : COL NSR-10

S E I S M I C B A S E L E V E L : 1

S E I S M I C F O R C E R E S I S T I N G S Y S T E M

System X-Direction: B: Combined System
System Y-Direction: B: Combined System

Energy dissip capacity: 3: Special-DES

EQUIVALENT STATIC EARTHQUAKE FORCES COL NSR-10

Base Shear

V = Sa W
Sa = 1.2 Av Fv I/ T, Sa = 1.2 Av Fv Tl/T² for T >Tl
Sa = 2.5 Aa Fa I for T<Tc, where Tc = 0.48 AvFv/AaFa

S E I S M I C P A R A M E T E R S

Eff. peak acceleration & veloc., Aa = .25 Av = .25

Region:	10	9	8	7	6	5	4	3	2	1
Aa or Av	0.50	0.45	0.40	0.35	0.30	0.25	0.20	0.15	0.10	0.05

LOCATION	Aa	Av	Menace
Barranquilla, Cartagena, San Andres, Valledupar	0.10	0.10	Low
Bogota, Medellin	0.15	0.20	Interm
Armenia, Bucaramanga, Cali, Manizalez, Pereira	0.25	0.25	High
Cucuta, Villavicencio	0.35	0.30	High
Quibdo	0.35	0.35	High

Importance coefficient, I ..... = 1.1

GROUP	COEFFICIENT
IV - Essential facilities	1.50
III- Public assistance facilities	1.25
II - Especial occupancy buildings	1.10
I - Normal occupancy buildings	1.00

Site profile type, S ..... = E

TYPE	SOIL PROFILE TYPE	Shear Wave Velocity
A	Hard Rock	> 1500 m/s
B	Rock	1500 - 760 m/s
C	Very Dense Soil & Soft Rock	760 - 360 m/s
D	Stiff Soil Profile	360 - 180 m/s
E	Soft Soil Profile	< 180 m/s
F	Soils requiring site-specific evaluations	

	X-direction	Y-direction
Seismic Force-resisting system	B: Combined	B: Combined
Energy Dissipation Coefficient, Ro =	7	7
T = 0.1 N ..... =	.5	.5
Ta = Ct (Hn)^x ..... =	0.049 H ¾	0.049 H ¾
=	.34	.34
*Tmax: 1.7 Ta ..... =	.58	.58
*Tmax = Cu Ta		
Cu = 1.75 - 1.2 Av Fv >= 1.2		
Fundamental period, T ..... =	.34	.34

DESIGN SPECTRAL RESPONSE ACCELERATION PARAMETERS

	Short Periods	Long Periods
Effect. peak acceleration & velc.,	Aa = 0.25	Av = 0.25
Site coefficients (Tables below),	Fa = 1.45	Fv = 3.00

Design response parameters, Aa Fa = 0.36 Av Fv= 0.75

Long-period transition period, Tl sec = 7.20 (2.4 Fv)

Site Coefficient Fa

Site Class	Aa<=0.1	Aa=0.2	Aa=0.3	Aa=0.4	Ss>=0.5
A	0.8	0.8	0.8	0.8	0.8
B	1.0	1.0	1.0	1.0	1.0
C	1.2	1.2	1.1	1.0	1.0
D	1.6	1.4	1.2	1.1	1.0
E	2.5	1.7	1.2	0.9	0.9
F	a	a	a	a	a

Site Coefficient Fv

Site Class	Av<=0.1	Av=0.2	Av=0.3	Av=0.4	Av>=0.5
A	0.8	0.8	0.8	0.8	0.8
B	1.0	1.0	1.0	1.0	1.0
C	1.7	1.6	1.5	1.4	1.3
D	2.4	2.0	1.8	1.6	1.5
E	3.5	3.2	2.8	2.4	2.4
F	a	a	a	a	a

a: Site-specific geotechnical investigation required

Reduction in R for Irregularity and Lack of Redundancy:

PLAN IRREGULARITIES			ELEVATION IRREGULARITIES		
Type	Description	Øp	Type	Description	Øa
1aP	Torsional	0.9	1aA	Flexible	0.9
1bP	Torsional Extrme	0.8	1bA	Flexible Extrme	0.8
2P	Reentrant corners	0.9	2A	Mass	0.9
3P	Diaph. discontin.	0.9	3A	Geometrical	0.9
4P	Plane shifting	0.8	4A	Plane shifting	0.8
5P	Unparallel grid	0.9	5aA	Weak Story	0.9
			5bA	Weak Story Extr	0.8

NOTE: EngSolutions RCB assumes irregular but redundant building.
For regular buildings make (Øp . Øa)= 1.0

	X - D I R E C T I O N	Y - D I R E C T I O N
Reduct. factor, (Øp.Øa) =	0.9	0.9
Redundancy factor, Ør =	1	1

R = (Øp Øa) Ør Ro

T O T A L B A S E S H E A R

Building Weight, W, (ton) = 893.44

Peak Acceleration Coeffi., Fa Aa = .36
Peak Velocity coefficient, Fv Av = .75
Transition period, Tc . . . . . = 1
Importance factor, I . . . . . = 1.1
Site class, S . . . . . = E

	X-direction	Y-direction
Energ-disspat coeff, R =	6.3	6.3
Period, T, (sec) . . . =	.34	.34
1.2 Av Fv I / T =	2.912	2.912
2.5 Aa Fa I =	.99	.99
Sa =	.99	.99
Total Base Shear, V, (ton) =	884.51	884.51

A C C I D E N T A L T O R S I O N

	X-direction	Y-direction
Accidental eccentricity as a percentage of building dimension, (%)=	5	5

A C C I D E N T A L E C C E N T R I C I T Y:

Level	X - D I R E C T I O N (EQY)			Y - D I R E C T I O N (EQX)		
-	δεxo (m)	Ax -	δεx (m)	δεyo (m)	Ax -	δεy (m)
6	1.10	1.00	1.10	0.91	1.00	0.91
5	1.10	1.00	1.10	0.91	1.00	0.91
4	1.10	1.00	1.10	0.35	1.00	0.35
3	1.10	1.00	1.10	0.76	1.00	0.76
2	1.11	1.00	1.11	0.92	1.00	0.92

Ax: Amplification factor for accidental eccentricity

EQY: Envelope (1) $E^x = \varepsilon^x$
(2) $E^x = \varepsilon^x + \delta\varepsilon^x$
(3) $E^x = \varepsilon^x - \delta\varepsilon^x$

EQX: Envelope (1) $E^y = \varepsilon^y$
(2) $E^y = \varepsilon^y + \delta\varepsilon^y$
(3) $E^y = \varepsilon^y - \delta\varepsilon^y$

D E S I G N E C C E N T R I C I T Y : $E = \varepsilon + \delta\varepsilon$

Level	X - D I R E C T I O N (EQY)				Y - D I R E C T I O N (EQX)			
	Center Mass	Inherent Eccent.	Accident Eccent.	Design Eccent.	Center Mass	Inherent Eccent.	Accident Eccent.	Design Eccent.
-	CMx	εx^*	$\delta\varepsilon x$	Ex	CMy	εy^*	$\delta\varepsilon y$	Ey
6	10.77	6.25	1.10	7.3535	7.86	1.72	0.91	2.6363
5	11.07	5.97	1.10	7.0707	8.42	3.14	0.91	4.0505
4	10.39	5.55	1.10	6.6565	1.79	-3.62	0.35	-3.977
3	10.88	6.11	1.10	7.2121	8.37	2.84	0.76	3.6060
2	10.88	6.17	1.11	7.2828	9.42	3.85	0.92	4.7777

Note: * Inherent eccentricity: $\varepsilon x = CMx - CRx$ and $\varepsilon y = CMy - CRy$
All values are in meters

D E S I G N E C C E N T R I C I T Y : $E = \varepsilon - \delta\varepsilon$

Level	X - D I R E C T I O N (EQY)				Y - D I R E C T I O N (EQX)			
	Center Mass	Inherent Eccent.	Accident Eccent.	Design Eccent.	Center Mass	Inherent Eccent.	Accident Eccent.	Design Eccent.
-	CMx	εx^*	$\delta\varepsilon x$	Ex	CMy	εy^*	$\delta\varepsilon y$	Ey
6	10.77	6.25	1.10	5.1515	7.86	1.72	0.91	0.8181
5	11.07	5.97	1.10	4.8787	8.42	3.14	0.91	2.2323
4	10.39	5.55	1.10	4.4545	1.79	-3.62	0.35	-3.277
3	10.88	6.11	1.10	5.0101	8.37	2.84	0.76	2.0808
2	10.88	6.17	1.11	5.0606	9.42	3.85	0.92	2.9393

Note: * Inherent eccentricity: $\varepsilon x = CMx - CRx$ and $\varepsilon y = CMy - CRy$
All values are in meters

Equivalent Forces

Fi = (Wi Hi^n /∑Wj Hj^n) V
V =∑Fi
V = Sa W

E Q U I V A L E N T F O R C E S: X - D I R E C T I O N (EQUAKE X)

Floor i -	Height Hi (m)	Weigth Wi (ton)	Wi Hi^n ------ ∑Wj Hj^n	Force Fi (ton)	Shear Vi (ton)	Torsion Ti=Fi(εy-εy) (ton-m)
6	13.14	152.0	0.271	239.70	239.70	218.63
5	10.44	179.5	0.255	225.55	465.25	206.14
4	9.44	54.72	0.070	61.916	527.16	21.708
3	7.65	184.2	0.191	168.94	696.10	128.48
2	4.84	322.8	0.213	188.40	884.51	174.27
Σ		893.44		884.51		

n = 1

E Q U I V A L E N T F O R C E S: Y - D I R E C T I O N (EQUAKE Y)

Floor i -	Height Hi (m)	Weigth Wi (ton)	Wi Hi^n ------ ∑Wj Hj^n	Force Fi (ton)	Shear Vi (ton)	Torsion Ti=Fi(εx-ex) (ton-m)
6	13.14	152.0	0.271	239.70	239.70	264.74
5	10.44	179.5	0.255	225.55	465.25	249.02
4	9.44	54.72	0.070	61.916	527.16	68.142
3	7.65	184.2	0.191	168.94	696.10	186.56
2	4.84	322.8	0.213	188.40	884.51	209.32
Σ		893.44		884.51		

n = 1

A C C E L E R A T I O N S O N N O N - S T R U C T U R A L E L E M E N T S - N S R - 1 0

F L O O R A C C E L E R A T I O N S

Level	hx	hx/heq	ax
6	13.14	1.33	1.320
5	10.44	1.05	1.049
4	9.44	0.96	0.965
3	7.65	0.78	0.857
2	4.84	0.49	0.688

Seismic base level . . . . . = 1
Height above seismic base, hn . . . . . = 13.15 m
Equivalent height, heq = 0.75 hn . . . . . = 9.86 m
Ground acceleration, As = Aa Fa I . . . . . = 0.396
Spectral acceleration, Sa . . . . . = 0.990

ax = Sa hx/heq for hx > heq
ax = As + (Sa -As) hx/heq for hx < heq

Force on structural non-seismic element : Fp = ax Wp / Ro
Force on nonstructural element : Fp = ax ap Wp / Rp
> 0.5 Aa I Wp

ap : component amplification factor

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P-DELTA ANALYSIS - DETAILED MAXIMUM STORY DRIFT RATIO, δ/h

Story	ColAxis	(δx/h)max	(δy/h)max	([(δx/h)² + (δy/h)²]½)max
5	A-1	0.0033	0.0026	0.0034
	B-1	0.0035	0.0027	0.0036
	D-1	0.0035	0.0027	0.0036
	E-1	0.0040	0.0027	0.0040
	F-1	0.0047	0.0027	0.0047
	C-2	0.0035	0.0025	0.0035
	D-2	0.0035	0.0025	0.0035
	A-3	0.0033	0.0024	0.0033
	B-3	0.0035	0.0025	0.0035
	C-3	0.0035	0.0025	0.0035
	D-3	0.0035	0.0025	0.0035
	E-3	0.0040	0.0025	0.0040
	F-3	0.0047	0.0025	0.0047
	G-3	0.0049	0.0024	0.0049
	C-4	0.0035	0.0027	0.0035
	D-4	0.0035	0.0027	0.0036
	C-7	0.0034	0.0021	0.0034
	D-7	0.0034	0.0021	0.0034
	A-8	0.0033	0.0024	0.0033
	B-8	0.0034	0.0022	0.0034
	D-8	0.0034	0.0022	0.0034
	E-8	0.0037	0.0022	0.0037
	F-8	0.0041	0.0022	0.0041
	G-8	0.0044	0.0022	0.0044
	A-9	0.0033	0.0032	0.0034
	B-9	0.0034	0.0030	0.0035
	D-9	0.0034	0.0030	0.0034
	E-9	0.0037	0.0030	0.0037
	F-9	0.0041	0.0030	0.0042
4	A-1	0.0041	0.0026	0.0041
	B-1	0.0035	0.0024	0.0035
	C-2	0.0042	0.0032	0.0042
	D-2	0.0041	0.0032	0.0041
	A-3	0.0041	0.0025	0.0041
	B-3	0.0035	0.0026	0.0035
	C-3	0.0041	0.0028	0.0041
	D-3	0.0039	0.0028	0.0039
	A-8	0.0036	0.0025	0.0036
	B-8	0.0036	0.0030	0.0036
	A-9	0.0036	0.0035	0.0037
	B-9	0.0036	0.0041	0.0041
3	B-1	0.0049	0.0037	0.0050
	D-1	0.0044	0.0032	0.0044
	E-1	0.0047	0.0032	0.0048
	F-1	0.0052	0.0032	0.0052
	C-2	0.0046	0.0035	0.0046
	D-2	0.0046	0.0035	0.0046
	B-3	0.0049	0.0039	0.0049
	C-3	0.0046	0.0037	0.0046
	D-3	0.0047	0.0037	0.0047
	E-3	0.0047	0.0034	0.0047
	F-3	0.0052	0.0034	0.0052
	G-3	0.0059	0.0034	0.0059
	C-4	0.0044	0.0036	0.0044
	D-4	0.0044	0.0036	0.0044
	C-7	0.0043	0.0036	0.0043
	D-7	0.0043	0.0036	0.0043
	B-8	0.0047	0.0048	0.0049
	D-8	0.0043	0.0042	0.0043
	E-8	0.0046	0.0042	0.0046
	F-8	0.0051	0.0042	0.0051
	G-8	0.0056	0.0042	0.0056
	B-9	0.0047	0.0063	0.0063
	D-9	0.0043	0.0055	0.0055
	E-9	0.0046	0.0055	0.0056
	F-9	0.0051	0.0055	0.0059
2	A-1	0.0054	0.0035	0.0054
	B-1	0.0054	0.0034	0.0055
	D-1	0.0052	0.0034	0.0052
	E-1	0.0053	0.0034	0.0053
	F-1	0.0055	0.0034	0.0055
	C-2	0.0053	0.0040	0.0053

	D-2	0.0052	0.0040	0.0052
	A-3	0.0054	0.0042	0.0054
	B-3	0.0054	0.0044	0.0054
	C-3	0.0053	0.0044	0.0053
	D-3	0.0052	0.0044	0.0052
	E-3	0.0053	0.0044	0.0053
	F-3	0.0055	0.0044	0.0055
	G-3	0.0055	0.0044	0.0055
	C-4	0.0053	0.0048	0.0053
	D-4	0.0052	0.0048	0.0052
	C-7	0.0039	0.0050	0.0050
	D-7	0.0039	0.0050	0.0050
	A-8	0.0043	0.0054	0.0058
	B-8	0.0038	0.0058	0.0059
	D-8	0.0039	0.0058	0.0058
	E-8	0.0043	0.0058	0.0059
	F-8	0.0050	0.0058	0.0065
	G-8	0.0054	0.0058	0.0067
	A-9	0.0043	0.0071	0.0074
	B-9	0.0038	0.0077	0.0078
	D-9	0.0039	0.0077	0.0077
	E-9	0.0043	0.0077	0.0078
	F-9	0.0050	0.0077	0.0082
1	A-1	0.0029	0.0023	0.0031
	B-1	0.0030	0.0023	0.0031
	D-1	0.0032	0.0023	0.0033
	E-1	0.0037	0.0023	0.0037
	F-1	0.0044	0.0023	0.0044
	G-1	0.0049	0.0023	0.0049
	C-2	0.0031	0.0029	0.0031
	D-2	0.0032	0.0029	0.0032
	A-3	0.0029	0.0033	0.0039
	B-3	0.0030	0.0033	0.0035
	C-3	0.0031	0.0033	0.0033
	D-3	0.0032	0.0033	0.0033
	E-3	0.0037	0.0033	0.0037
	F-3	0.0044	0.0033	0.0044
	G-3	0.0049	0.0033	0.0051
	C-4	0.0031	0.0039	0.0040
	D-4	0.0032	0.0039	0.0040
	F-5	0.0038	0.0033	0.0039
	G-5	0.0033	0.0033	0.0035
	F-5a	0.0038	0.0034	0.0039
	G-5a	0.0033	0.0034	0.0035
	C-7	0.0041	0.0084	0.0084
	D-7	0.0041	0.0084	0.0084
	A-8	0.0041	0.0089	0.0090
	B-8	0.0041	0.0089	0.0089
	D-8	0.0041	0.0089	0.0089
	E-8	0.0045	0.0089	0.0089
	F-8	0.0051	0.0089	0.0091
	G-8	0.0055	0.0089	0.0093
	A-9	0.0041	0.0101	0.0102
	B-9	0.0041	0.0101	0.0101
	D-9	0.0041	0.0101	0.0101
	E-9	0.0045	0.0101	0.0102
	F-9	0.0051	0.0101	0.0103
	G-9	0.0055	0.0102	0.0106

Note: Drift amplification factor, D: 1 in X; 1 in Y
MAXIMA DRIFT: (δ/h)x =0.0059; (δ/h)y =0.0102; (δ/h)r =0.0106

PASO 4: MOVIMIENTOS SÍSMICOS DE DISEÑO

Se definen unos movimientos sísmicos de diseño según el lugar de la estructura, tomado los parámetros anteriores, que se muestran la hoja de cálculo a continuación:

CÁLCULO ESPECTRO ELASTICO DE ACELERACIONES DE DISEÑO COMO FRACCION DE g (Sa) SEGÚN NSR-10

Datos		Unidad	Página
Ubicación de la Estructura-CIUDAD	Sogamoso		
Departamento	Boyacá		
Altura del edificio	12.60	[m]	Título A
Número de Pisos	4.00		
Tipo de Perfil del Suelo:	E		Tabla A.2.4-3
Grupo de Uso Edificación:	II		A.2.5.1
Sistema estructural de resistencia sísmica	1		Tabla A.4.2-1

Pórticos resistentes a momentos de concreto reforzado que resisten la totalidad de las fuerzas sísmicas y que no están limitadas o adheridas a componentes más rígidos estructurales o no estructurales que limiten los desplazamientos horizontales al verse sometidos a las fuerzas sísmicas

T y Sa de la estructura		
T:	0.46	[s]
Sa	0.996875	

Zona de Amenaza Sísmica:	Alta		APÉNDICE A-4
Coeficiente de Aceleracion (Aa):	0.25		APÉNDICE A-4
Coeficiente de Velocidad (Av):	0.25		APÉNDICE A-4
Coeficiente de Amplificación de Sitio (Fa):	1.45		Tabla A.2.4-3
Coeficiente de Amplificación de Sitio (Fv):	3.00		Tabla A.2.4-4
Coeficiente de Importancia (I):	1.10		A.2.5.1
Espectro de Diseño (Sa):	Gráfico		Título A
Período de Vibración Inicial (To):	0.21	[s]	Título A
Período de Vibración Corto (Tc):	0.99	[s]	Título A
Período de Vibración Largo (T_L):	7.20	[s]	Título A

Coeficiente (C_t):	0.047		Tabla A.4.2-1
Exponente (a):	0.9		Tabla A.4.2-1
Período de Vibración Aproximado ($Ta = C_t h^a$):	0.46	[s]	Form. A.4.2-3
Coeficiente (Cu):	1.20		Form. A.4.2-2

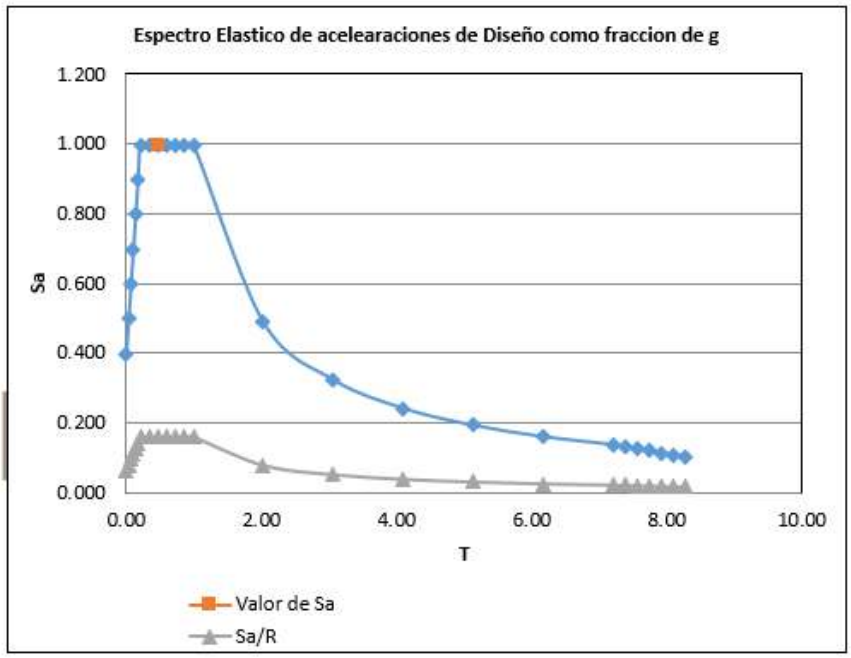
(T)	Sa (g)	Sa/R
0.00	0.399	0.080
0.03	0.498	0.100
0.07	0.598	0.120
0.10	0.698	0.140
0.14	0.798	0.160
0.17	0.897	0.179
0.21	0.997	0.199
0.34	0.997	0.199
0.47	0.997	0.199
0.60	0.997	0.199
0.73	0.997	0.199
0.86	0.997	0.199
0.99	0.997	0.199
2.03	0.488	0.098
3.06	0.323	0.065

Tmax= Cu*Ta	0.55	[s]	Form. A.4.2-2	4.10	0.242	0.048
				5.13	0.193	0.039
k	1.00		A.4.3.2	6.17	0.161	0.032
				7.20	0.138	0.028
Capacidad de Disipación de Energía:	Moderada			7.38	0.131	0.026
Coeficiente de Capacidad de Disipación de Energía Básico (R_0):	7.0		A.3.3.3-Tabla A.3-1 a Tabla A.3-4	7.56	0.125	0.025
Coeficiente de Reducción (f_a):	0.9		tabla A.3-7,	7.74	0.119	0.024
Coeficiente de Reducción (f_p):	0.9		tabla A.3-6,	7.92	0.114	0.023
Coeficiente de Reducción (f_r):	1.0		A.3.3.8	8.10	0.109	0.022
Coeficiente de Capacidad de Disipación de Energía de Diseño ($R = f_a f_p f_r R_0$):	5.67		form. A.3.3-1	8.28	0.104	0.021

CÁLCULO ESPECTRO ELASTICO DE ACELERACIONES DE DISEÑO COMO FRACCION DE g (Sa)
SEGÚN NSR-10

REQUISITOS ESPECIALES PARA EDIFICACIONES INDISPENSABLES DE LOS GRUPOS DE USO III Y IV-CAPITULO A12			
Umbral de daño			
coeficiente que representa la aceleración pico efectiva-Ad	0.08	[g]	Tabla A.12.2-2
Coeficiente de Amplificación de Sitio (Fv):Con Ad	3.50	[-]	Tabla A.2.4-4
coeficiente de sitio para ser empleado en el espectro sísmico del umbral de daño. S	4.38	[-]	A.12.3.1
Periodo de vibración inicial-To	0.25	[s]	A.12.3.2
Período de Vibración Corto (Tcd):	2.19	[s]	A.12.3-3
Período de Vibración Largo (T_{Ld}):	10.50	[s]	A.12.3-5

umbral de daño	
(T)	Sa (g)
0.00	0.080
0.04	0.107
0.08	0.133
0.13	0.160
0.17	0.187
0.21	0.213
0.25	0.240
0.57	0.240
0.90	0.240
1.22	0.240
1.54	0.240
1.86	0.240
2.19	0.240
3.57	0.147
4.96	0.106
6.34	0.083
7.73	0.068
9.11	0.058
10.50	0.050
11.45	0.042
12.40	0.036
13.35	0.031
14.30	0.027
15.25	0.024
16.20	0.021



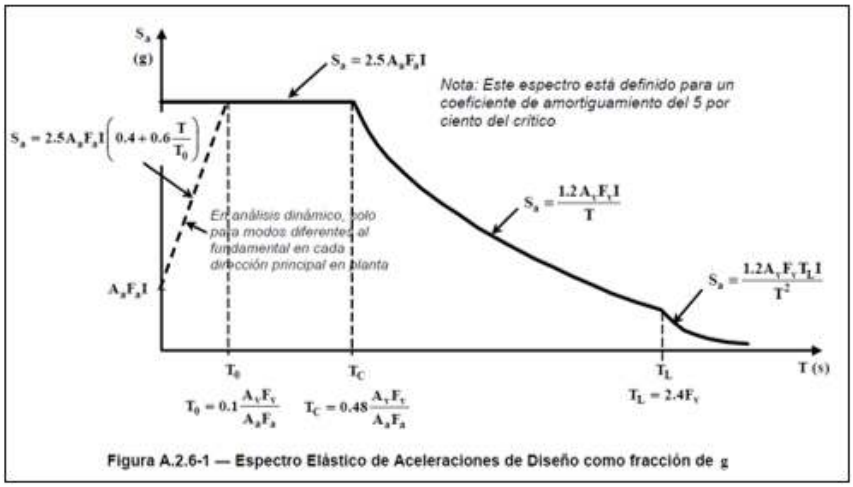


Figura A.2.6-1 — Espectro Elástico de Aceleraciones de Diseño como fracción de g

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PASO 5: CARACTERÍSTICAS DE LA ESTRUCTURACIÓN Y DEL MATERIAL ESTRUCTURAL EMPLEADO

El sistema utilizado para estructura corresponde a sistema de pórticos resistentes a momentos. Con capacidad de disipación especial de energía, ubicado en zona de amenaza sísmica alta.

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
b. De acero (*DES*)	el mismo	7.0 (Nota-3)	3.0	si	sin límite	si	sin límite	si	sin límite
c. Mixtos	Pórticos de acero o mixtos resistentes o no a momentos	7.0	3.0	si	sin límite	si	sin límite	si	sin límite
d. De acero con cerchas dúctiles (*DES*)	Pórticos de acero resistentes o no a momentos	6.0	3.0	si	30 m	si	45 m	si	sin límite

PASO 6: GRADO DE IRREGULARIDAD DE LA ESTRUCTURA Y PROCEDIMIENTO DE ANÁLISIS

Se determinar en este paso el coeficiente de capacidad de disipación de energía "R´": De acuerdo al sistema estructural planteado y de acuerdo a los parámetros dados en la normas NSR-10.

$R = \phi a \cdot \phi p \cdot \phi r \cdot R_0$

ϕa= 0.9 (coeficiente de reducción de capacidad de disipación de energía por irregularidad de altura de la edificación)
ϕp= 0.9 (coeficiente de reducción de capacidad de disipación de energía por irregularidad en planta de la edificación)
ϕr= 1.0 (coeficiente de reducción de capacidad de disipación de energía por ausencia de redundancia en el sistema de resistencia sísmica)

R_0=7.0 (coeficiente de reducción de capacidad de disipación de energía por ausencia de redundancia en el sistema de resistencia sísmica)

Para el análisis de la estructura se tomará el valor de R0 de 6.30, como se indica en la tabla.

$R = \phi a \cdot \phi p \cdot \phi r \cdot R_0$
$R = 0.9 \times 0.9 \times 1 \times 7$
$R = 5.67$

PASO 7 Y 8: DETERMINACIÓN DE LAS FUERZAS SÍSMICAS Y ANÁLISIS SÍSMICO DE LA ESTRUCTURA

El procedimiento de aplicación de las fuerzas sísmicas y el análisis sísmico respectivo se aplican directamente sobre el software de diseño de la estructura. En este caso se realizó sobre el software de RCB.

5 DERIVAS

PASO 9: DESPLAZAMIENTOS HORIZONTALES

En las tablas arrojadas por el programa, se observan todos los datos que se presentaron en la estructura, con las cargas aplicadas. Se utilizó como referencia los procedimientos dados en el capítulo A.6. Entre estas tablas está el de los desplazamientos horizontales de los nodos, que en el siguiente paso de indica cómo se chequea que estos estén dentro de lo permitido por la NSR 10, el cual se hará en el paso 10.

PASÓ 10: VERIFICACIÓN DE DERIVAS:

El cheque de derivas, se hace con la tabla de los desplazamientos de los nodos de los niveles consecutivos, teniendo en cuenta que no debe ser mayor del 1% de la luz libre de la altura de las columnas, como se indica en el capítulo A.6 de la NSR 10, por lo que se puede concluir de los resultados, que la parte de las derivas se cumple sin ningún problema.

La tabla de los desplazamientos horizontales, y por lo tanto el de las derivas se muestra a continuación:

6 COMBINACIONES DE CARGA

PASO 11: COMBINACION DE LAS DIFERENTES SOLICITACIONES:

Se tienen en cuenta las diferentes combinaciones que están en el capítulo B.2 del reglamento, para obtener las fuerzas internas de diseño de la estructura.

Para el diseño de los elementos definitivos, el efecto causado por el sismo, tiene en cuenta la capacidad de disipación de energía del sistema estructural, lo cual se logra empleando unos efectos sísmicos reducidos de diseño, E, obtenido dividiendo la fuerza sísmica que se determinó anteriormente, con el coeficiente de capacidad de disipación de energía R.

PASO 12: DISEÑO DE LOS ELEMENTOS ESTRUCTURALES:

Se lleva a cabo de acuerdo con los requisitos propios del sistema de resistencia sísmica y del material estructural utilizado. La parte del diseño, se muestra como se había indicado al principio de este documento, en unas hojas resultantes de los diferentes programas utilizados, que trabajan con los momentos y fuerzas cortantes, obtenidas en el análisis que se realizó con el uso de las diferentes combinaciones.

Los resultados se muestran a continuación:

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Especialista en Gerencia y Control de la Construcción
Especialista en Análisis y Diseño de estructuras
Magíster en Ingeniería Civil, Énfasis en estructuras

COMBINACIONES CARGAS DE SERVICIO: AREA DE CIMENTACION

Service load combinations

Load Factors

	SELFW	DEAD	DEADRO	LIVE	EQK X	EQK Y	WIND X	WIND Y
1	1.	1.	1.	0.	0.	0.	0.	0.
2	1.	1.	1.	1.	0.	0.	0.	0.
3	1.	1.	1.	0.	0.	0.	0.6	0.
4	1.	1.	1.	0.	0.	0.	-0.6	0.
5	1.	1.	1.	0.	0.	0.	0.	0.6
6	1.	1.	1.	0.	0.	0.	0.	-0.6
7	1.	1.	1.	0.75	0.	0.	0.45	0.
8	1.	1.	1.	0.75	0.	0.	-0.45	0.
9	1.	1.	1.	0.75	0.	0.	0.	0.45
10	1.	1.	1.	0.75	0.	0.	0.	-0.45
11	0.6	0.6	0.6	0.	0.	0.	0.6	0.
12	0.6	0.6	0.6	0.	0.	0.	-0.6	0.
13	0.6	0.6	0.6	0.	0.	0.	0.	0.6
14	0.6	0.6	0.6	0.	0.	0.	0.	-0.6
15	1.	1.	1.	0.	0.7	0.	0.	0.
16	1.	1.	1.	0.	-0.7	0.	0.	0.
17	1.	1.	1.	0.	0.	0.7	0.	0.
18	1.	1.	1.	0.	0.	-0.7	0.	0.
19	1.	1.	1.	0.75	0.53	0.	0.	0.
20	1.	1.	1.	0.75	-0.53	0.	0.	0.
21	1.	1.	1.	0.75	0.	0.53	0.	0.
22	1.	1.	1.	0.75	0.	-0.53	0.	0.
23	0.6	0.6	0.6	0.	0.7	0.	0.	0.
24	0.6	0.6	0.6	0.	-0.7	0.	0.	0.
25	0.6	0.6	0.6	0.	0.	0.7	0.	0.
26	0.6	0.6	0.6	0.	0.	-0.7	0.	0.

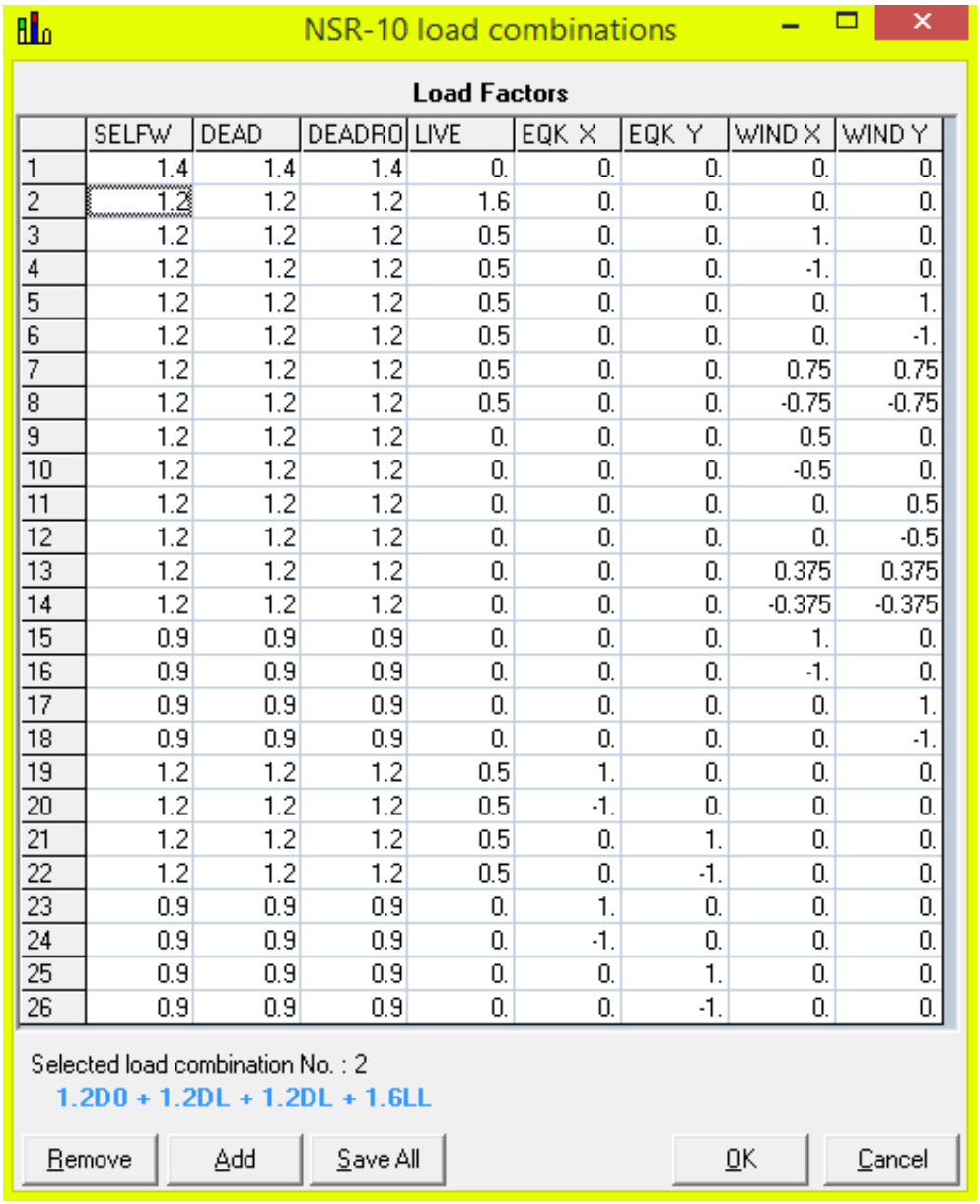
Selected load combination No. : 2

D0 + DL + DL + LL

Remove | Add | Save All | OK | Cancel

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COMBINACIONES CARGAS DE DISEÑO ELEMENTOS DE CONCRETO



NSR-10 load combinations

Load Factors

	SELFW	DEAD	DEADRO	LIVE	EQK X	EQK Y	WIND X	WIND Y
1	1.4	1.4	1.4	0.	0.	0.	0.	0.
2	1.2	1.2	1.2	1.6	0.	0.	0.	0.
3	1.2	1.2	1.2	0.5	0.	0.	1.	0.
4	1.2	1.2	1.2	0.5	0.	0.	-1.	0.
5	1.2	1.2	1.2	0.5	0.	0.	0.	1.
6	1.2	1.2	1.2	0.5	0.	0.	0.	-1.
7	1.2	1.2	1.2	0.5	0.	0.	0.75	0.75
8	1.2	1.2	1.2	0.5	0.	0.	-0.75	-0.75
9	1.2	1.2	1.2	0.	0.	0.	0.5	0.
10	1.2	1.2	1.2	0.	0.	0.	-0.5	0.
11	1.2	1.2	1.2	0.	0.	0.	0.	0.5
12	1.2	1.2	1.2	0.	0.	0.	0.	-0.5
13	1.2	1.2	1.2	0.	0.	0.	0.375	0.375
14	1.2	1.2	1.2	0.	0.	0.	-0.375	-0.375
15	0.9	0.9	0.9	0.	0.	0.	1.	0.
16	0.9	0.9	0.9	0.	0.	0.	-1.	0.
17	0.9	0.9	0.9	0.	0.	0.	0.	1.
18	0.9	0.9	0.9	0.	0.	0.	0.	-1.
19	1.2	1.2	1.2	0.5	1.	0.	0.	0.
20	1.2	1.2	1.2	0.5	-1.	0.	0.	0.
21	1.2	1.2	1.2	0.5	0.	1.	0.	0.
22	1.2	1.2	1.2	0.5	0.	-1.	0.	0.
23	0.9	0.9	0.9	0.	1.	0.	0.	0.
24	0.9	0.9	0.9	0.	-1.	0.	0.	0.
25	0.9	0.9	0.9	0.	0.	1.	0.	0.
26	0.9	0.9	0.9	0.	0.	-1.	0.	0.

Selected load combination No. : 2

1.2D0 + 1.2DL + 1.2DL + 1.6LL

Remove | Add | Save All | OK | Cancel

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7 DEFLEXIONES

A continuación, se muestra el chequeo de deflexiones de todas las vigas de los diferentes niveles para cada una de las naves, cumpliendo con lo estipulado en la NSR -10.

Company: AC INGENIERIA Engineer: ALVARO CABALLERO
Project: CASA CORREGIDOR - SOGAMOSO BLOQUE NUEVO 4:10:49 p. m. 4/05/2022
File: D:\RCB\EDIFICIO CORREDOR - SOGAMOSO\BLOQUES NUEVOS V4.0.rcb

LONG-TERM BEAM DEFLECTIONS

PERMISSIBLE DEFLECTIONS
Immediate deflection due to Live Load . . . . . = L/360
Long-term deflection due to Sustained loads . . = L/480

TYPE OF DEFLECTION	LOAD COMBINATION
Immediate due to Dead load (DLs)	D0 + DL
Immediate due to Live load (LLs)*	LL
Immediate due to Sus. load (SLds)	D0 + DL
Long-term due to Sus. load (SLds)	D0 + DL

* Computed as Defl(DLS + LLs) - Defl(DLs)

Units: Defl: Max. deflection (cm), L: Beam length (m), h: Beam depth (cm)

						IMMEDIATE DEFLECTIONS			ADDITIONAL LONG-TERM DEFLEC. Sus.Lds		
Beam	Floor	h	L	L/h	Beam Type	DLs Deflc	Live Deflc	Sut.Lds Deflc	6 months Deflc	1-year Deflc	5-years Deflc
A(1-3)	2	40	5.14	13	EndJContin	0.011	0.001	0.011	0.011	0.013	0.018
A(3-4)	2	40	2.10	5	Cantilever	0.048	0.034	0.048	0.050	0.058	0.083
A(7-8)	2	40	2.10	5	Cantilever	0.047	0.032	0.047	0.048	0.056	0.080
A(8-9)	2	40	4.79	12	EndIContin	0.005	0.006	0.005	0.005	0.006	0.008
B(1-3)	2	40	5.08	13	EndJContin	0.028	0.005	0.028	0.029	0.033	0.048
B(3-4)	2	40	2.10	5	EndIContin	0.035	0.024	0.035	0.036	0.042	0.060
B(7-8)	2	40	2.10	5	EndJContin	0.029	0.023	0.029	0.030	0.035	0.050
B(8-9)	2	40	4.83	12	EndIContin	0.020	0.002	0.020	0.021	0.024	0.035
C(1-2)	2	40	3.13	8	EndJContin	0.014	0.004	0.014	0.015	0.017	0.025
C(2-3)	2	40	1.92	5	BothEndCnt	0.004	0.003	0.004	0.005	0.005	0.008
C(3-4)	2	40	2.10	5	BothEndCnt	0.010	0.005	0.010	0.008	0.010	0.014
C(4-4a)	2	40	1.00	3	Cantilever	0.002	0.000	0.002	0.003	0.003	0.004
C(7-8)	2	40	2.10	5	EndJContin	0.039	0.010	0.039	0.040	0.047	0.067
C(8-9)	2	40	4.86	12	EndIContin	0.132	0.143	0.132	0.136	0.158	0.226
D(1-2)	2	40	3.10	8	EndJContin	0.008	0.002	0.008	0.008	0.009	0.013
D(2-3)	2	40	1.92	5	BothEndCnt	0.004	0.002	0.004	0.004	0.005	0.007
D(3-4)	2	40	2.10	5	BothEndCnt	0.009	0.004	0.009	0.008	0.009	0.013
D(4-4a)	2	40	1.00	3	Cantilever	0.004	0.001	0.004	0.004	0.005	0.007
D(7-8)	2	40	2.10	5	EndJContin	0.010	0.002	0.010	0.010	0.012	0.017
D(8-9)	2	40	4.88	12	EndIContin	0.047	0.011	0.047	0.049	0.057	0.081
E(1-3)	2	40	4.96	12	EndJContin	0.064	0.014	0.064	0.066	0.077	0.109
E(3-4)	2	40	2.10	5	Cantilever	0.060	0.211	0.060	0.062	0.072	0.103
E(7-8)	2	40	2.10	5	Cantilever	0.086	0.213	0.086	0.089	0.103	0.148
E(8-9)	2	40	4.90	12	EndIContin	0.059	0.011	0.059	0.061	0.071	0.102
F(1-3)	2	40	4.88	12	EndJContin	0.063	0.014	0.063	0.064	0.075	0.107
F(3-4)	2	40	2.10	5	Cantilever	0.049	0.167	0.049	0.050	0.059	0.084
F(5-5a)	2	40	6.99	17¤	SimpSupprt	0.787	0.567	0.787	0.809	0.944	1.349
F(7-8)	2	40	2.10	5	Cantilever	0.045	0.163	0.045	0.046	0.053	0.076
F(8-9)	2	40	4.94	12	EndIContin	0.066	0.014	0.066	0.068	0.079	0.113
G(1-3)	2	40	4.87	12	EndJContin	0.053	0.007	0.053	0.055	0.064	0.091
G(3-4)	2	40	2.10	5	Cantilever	0.010	0.029	0.010	0.010	0.012	0.017
G(5-5a)	2	40	6.99	17¤	SimpSupprt	0.363	0.349	0.363	0.374	0.436	0.623
G(7-8)	2	40	2.10	5	Cantilever	0.007	0.030	0.007	0.008	0.009	0.013
G(8-9)	2	40	5.01	13	EndIContin	0.053	0.007	0.053	0.055	0.064	0.091
B(1'-3)	3	40	2.84	7	Cantilever	0.122	0.054	0.122	0.126	0.147	0.210
B(3-4)	3	40	2.10	5	EndIContin	0.016	0.007	0.016	0.016	0.019	0.027
B(7-8)	3	40	2.10	5	EndJContin	0.001	0.002	0.001	0.001	0.001	0.002
B(8-14)	3	40	2.90	7	Cantilever	0.151	0.091	0.151	0.156	0.182	0.260
C(1-2)	3	40	3.13	8	EndJContin	0.004	0.001	0.004	0.004	0.005	0.007
C(2-3)	3	40	1.92	5	BothEndCnt	0.007	0.004	0.007	0.007	0.008	0.012
C(3-4)	3	40	2.10	5	BothEndCnt	0.009	0.005	0.009	0.009	0.010	0.014
C(4-4a)	3	40	2.54	6	Cantilever	0.248	0.248	0.248	0.255	0.297	0.425
C(6-7)	3	40	2.31	6	Cantilever	0.123	0.179	0.123	0.127	0.148	0.211
C(7-8)	3	40	2.10	5	BothEndCnt	0.038	0.011	0.038	0.039	0.046	0.065
C(8-9)	3	40	4.86	12	EndIContin	0.120	0.078	0.120	0.123	0.143	0.205
D(1-2)	3	40	3.10	8	EndJContin	0.007	0.002	0.007	0.007	0.009	0.012
D(2-3)	3	40	1.92	5	BothEndCnt	0.004	0.003	0.004	0.004	0.005	0.007
D(3-4)	3	40	2.10	5	BothEndCnt	0.010	0.005	0.010	0.009	0.010	0.015
D(4-4a)	3	40	2.54	6	Cantilever	0.363	0.223	0.363	0.373	0.435	0.621
D(6-7)	3	40	2.31	6	Cantilever	0.209	0.181	0.209	0.215	0.251	0.358
D(7-8)	3	40	2.10	5	BothEndCnt	0.015	0.003	0.015	0.014	0.017	0.024
D(8-9)	3	40	4.88	12	EndIContin	0.043	0.009	0.043	0.045	0.052	0.074
E(1-3)	3	40	4.96	12	EndJContin	0.055	0.013	0.055	0.057	0.066	0.095
E(3-4)	3	40	2.10	5	Cantilever	0.074	0.219	0.074	0.076	0.089	0.127
E(7-8)	3	40	2.10	5	Cantilever	0.058	0.191	0.058	0.060	0.070	0.099
E(8-9)	3	40	4.90	12	EndIContin	0.053	0.009	0.053	0.055	0.064	0.091
F(1-3)	3	40	4.88	12	SimpSupprt	0.035	0.007	0.035	0.036	0.041	0.059
F(8-9)	3	40	4.94	12	SimpSupprt	0.035	0.010	0.035	0.036	0.042	0.060
A(1-3)	4	40	5.14	13	EndJContin	0.013	0.002	0.013	0.014	0.016	0.023
A(3-4)	4	40	2.10	5	Cantilever	0.035	0.024	0.035	0.036	0.042	0.061
A(7-8)	4	40	2.10	5	Cantilever	0.028	0.021	0.028	0.029	0.034	0.048

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Beam	Floor	h	L	L/h	Beam Type	Deflc	Deflc	Deflc	Deflc	Deflc	Deflc
A(8-9)	4	40	4.79	12	EndIContin	0.008	0.001	0.008	0.009	0.010	0.015
B(1-3)	4	40	5.08	13	EndJContin	0.010	0.000	0.010	0.010	0.012	0.017
B(3-4)	4	40	2.10	5	Cantilever	0.049	0.030	0.049	0.050	0.058	0.083
B(7-8)	4	40	2.10	5	Cantilever	0.041	0.025	0.041	0.042	0.049	0.070
B(8-9)	4	40	4.83	12	EndIContin	0.022	0.010	0.022	0.022	0.026	0.037
B(1-3)	5	40	5.08	13	EndJContin	0.024	0.005	0.024	0.025	0.029	0.041
B(3-4)	5	40	2.10	5	EndIContin	0.023	0.010	0.023	0.024	0.028	0.039
B(7-8)	5	40	2.10	5	EndJContin	0.010	0.006	0.010	0.010	0.012	0.017
B(8-9)	5	40	4.83	12	EndIContin	0.019	0.004	0.019	0.020	0.023	0.033
C(1-2)	5	40	3.13	8	EndJContin	0.015	0.004	0.015	0.015	0.018	0.025
C(2-3)	5	40	1.92	5	BothEndCnt	0.007	0.004	0.007	0.007	0.009	0.012
C(3-4)	5	40	2.10	5	BothEndCnt	0.011	0.006	0.011	0.011	0.013	0.018
C(4-4a)	5	40	2.54	6	Cantilever	0.299	0.240	0.299	0.307	0.359	0.512
C(6-7)	5	40	2.31	6	Cantilever	0.132	0.175	0.132	0.136	0.158	0.226
C(7-8)	5	40	2.10	5	BothEndCnt	0.043	0.012	0.043	0.044	0.052	0.074
C(8-9)	5	40	4.86	12	EndIContin	0.147	0.163	0.147	0.151	0.176	0.252
D(1-2)	5	40	3.10	8	EndJContin	0.008	0.002	0.008	0.008	0.009	0.013
D(2-3)	5	40	1.92	5	BothEndCnt	0.006	0.003	0.006	0.006	0.007	0.010
D(3-4)	5	40	2.10	5	BothEndCnt	0.012	0.006	0.012	0.011	0.013	0.018
D(4-4a)	5	40	2.54	6	Cantilever	0.378	0.219	0.378	0.388	0.453	0.647
D(6-7)	5	40	2.31	6	Cantilever	0.214	0.177	0.214	0.220	0.257	0.367
D(7-8)	5	40	2.10	5	BothEndCnt	0.016	0.002	0.016	0.016	0.018	0.026
D(8-9)	5	40	4.88	12	EndIContin	0.046	0.009	0.046	0.047	0.055	0.078
E(1-3)	5	40	4.96	12	EndJContin	0.063	0.016	0.063	0.065	0.076	0.109
E(3-4)	5	40	2.10	5	Cantilever	0.064	0.188	0.064	0.066	0.077	0.109
E(7-8)	5	40	2.10	5	Cantilever	0.066	0.178	0.066	0.068	0.080	0.114
E(8-9)	5	40	4.90	12	EndIContin	0.058	0.014	0.058	0.059	0.069	0.099
F(1-3)	5	40	4.88	12	SimpSupprt	0.047	0.015	0.047	0.048	0.056	0.080
F(8-9)	5	40	4.94	12	SimpSupprt	0.050	0.016	0.050	0.051	0.060	0.085
A(1-3)	6	40	5.14	13	EndJContin	0.007	0.011	0.007	0.007	0.008	0.012
A(3-4)	6	40	2.10	5	EndIContin	0.188	0.524	0.188	0.177	0.206	0.295
A(7-8)	6	40	2.10	5	EndJContin	0.191	0.515	0.191	0.179	0.208	0.298
A(8-9)	6	40	4.79	12	EndIContin	0.012	0.006	0.012	0.012	0.014	0.020
B(1-3)	6	40	5.08	13	EndJContin	0.016	0.001	0.016	0.017	0.020	0.028
B(3-4)	6	40	2.10	5	EndIContin	0.059	0.034	0.059	0.060	0.070	0.101
B(7-8)	6	40	2.10	5	EndJContin	0.042	0.028	0.042	0.043	0.050	0.071
B(8-9)	6	40	4.83	12	EndIContin	0.013	0.001	0.013	0.014	0.016	0.023
C(1-2)	6	40	3.13	8	EndJContin	0.002	0.000	0.002	0.002	0.003	0.004
C(2-3)	6	40	1.92	5	BothEndCnt	0.009	0.004	0.009	0.009	0.010	0.015
C(3-4)	6	40	2.10	5	EndIContin	0.013	0.008	0.013	0.014	0.016	0.023
C(7-8)	6	40	2.10	5	EndJContin	0.028	0.004	0.028	0.029	0.034	0.049
C(8-9)	6	40	4.86	12	EndIContin	0.058	0.012	0.058	0.060	0.070	0.099
D(1-2)	6	40	3.10	8	EndJContin	0.002	0.001	0.002	0.002	0.003	0.004
D(2-3)	6	40	1.92	5	BothEndCnt	0.007	0.004	0.007	0.007	0.008	0.012
D(3-4)	6	40	2.10	5	EndIContin	0.014	0.007	0.014	0.014	0.016	0.023
D(7-8)	6	40	2.10	5	EndJContin	0.014	0.001	0.014	0.015	0.017	0.024
D(8-9)	6	40	4.88	12	EndIContin	0.018	0.004	0.018	0.018	0.021	0.031
E(1-3)	6	40	4.96	12	EndJContin	0.023	0.018	0.023	0.023	0.027	0.039
E(3-4)	6	40	2.10	5	EndIContin	0.412	0.780	0.412	0.357	0.417	0.595
E(7-8)	6	40	2.10	5	EndJContin	0.396	0.791	0.396	0.346	0.404	0.577
E(8-9)	6	40	4.90	12	EndIContin	0.025	0.019	0.025	0.026	0.031	0.044
F(1-3)	6	40	4.88	12	EndJContin	0.013	0.009	0.013	0.013	0.015	0.022
F(3-4)	6	40	2.10	5	EndIContin	0.922	0.708	0.922	0.676	0.789	1.127
F(7-8)	6	40	2.10	5	EndJContin	0.933	0.692	0.933	0.676	0.789	1.127
F(8-9)	6	40	4.94	12	EndIContin	0.013	0.007	0.013	0.013	0.016	0.022
G(3-4)	6	40	2.10	5	SimpSupprt	0.231	0.073	0.231	0.238	0.277	0.396
G(7-8)	6	40	2.10	5	SimpSupprt	0.231	0.067	0.231	0.237	0.277	0.395
1(A-B)	2	40	3.11	8	EndJContin	0.008	0.006	0.008	0.008	0.009	0.013
1(B-C)	2	40	1.88	5	BothEndCnt	0.010	0.001	0.010	0.010	0.011	0.016
1(C-D)	2	40	1.97	5	BothEndCnt	0.011	0.001	0.011	0.011	0.013	0.018
1(D-E)	2	40	3.10	8	BothEndCnt	0.008	0.002	0.008	0.009	0.010	0.014
1(E-F)	2	40	4.67	12	BothEndCnt	0.015	0.002	0.015	0.016	0.018	0.026
1(F-G)	2	40	3.15	8	EndIContin	0.018	0.003	0.018	0.018	0.021	0.030
3(A-B)	2	40	3.11	8	EndJContin	0.012	0.009	0.012	0.012	0.014	0.020
3(B-C)	2	40	1.88	5	BothEndCnt	0.012	0.005	0.012	0.013	0.015	0.021
3(C-D)	2	40	1.97	5	BothEndCnt	0.001	0.001	0.001	0.001	0.001	0.002
3(D-E)	2	40	3.10	8	BothEndCnt	0.031	0.014	0.031	0.031	0.036	0.051
3(E-F)	2	40	4.67	12	BothEndCnt	0.020	0.008	0.020	0.021	0.024	0.035
3(F-G)	2	40	3.27	8	EndIContin	0.019	0.008	0.019	0.019	0.022	0.032
4(B-C)	2	40	1.88	5	EndJContin	0.035	0.024	0.035	0.036	0.042	0.059
4(C-D)	2	40	1.97	5	EndIContin	0.001	0.000	0.001	0.001	0.001	0.001
5(E'-F)	2	40	2.53	6	Cantilever	0.085	0.030	0.085	0.087	0.102	0.145
5(F-G)	2	40	3.33	8	EndIContin	0.003	0.001	0.003	0.003	0.004	0.005
5a(E'-F)	2	40	2.53	6	Cantilever	0.088	0.031	0.088	0.090	0.105	0.150
5a(F-G)	2	40	3.50	9	EndIContin	0.005	0.001	0.005	0.005	0.006	0.009
7(B-C)	2	40	1.88	5	EndJContin	0.041	0.025	0.041	0.042	0.048	0.069
7(C-D)	2	40	1.97	5	EndIContin	0.003	0.001	0.003	0.002	0.003	0.004
8(A-B)	2	40	3.11	8	EndJContin	0.017	0.005	0.017	0.015	0.018	0.025

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Beam	Floor	h	L	L/h	Beam Type	Deflc	Deflc	Deflc	Deflc	Deflc	Deflc
8(B-C)	2	40	1.88	5	BothEndCnt	0.033	0.009	0.033	0.031	0.036	0.052
8(C-D)	2	40	1.97	5	BothEndCnt	0.034	0.010	0.034	0.031	0.037	0.052
8(D-E)	2	40	3.10	8	BothEndCnt	0.011	0.008	0.011	0.010	0.012	0.017
8(E-F)	2	40	4.67	12	BothEndCnt	0.019	0.007	0.019	0.020	0.023	0.033
8(F-G)	2	40	3.55	9	EndIContin	0.019	0.008	0.019	0.018	0.021	0.030
9(A-B)	2	40	3.11	8	EndJContin	0.007	0.007	0.007	0.007	0.009	0.012
9(B-C)	2	40	1.88	5	BothEndCnt	0.019	0.001	0.019	0.018	0.021	0.029
9(C-D)	2	40	1.97	5	BothEndCnt	0.002	0.000	0.002	0.002	0.002	0.003
9(D-E)	2	40	3.10	8	BothEndCnt	0.001	0.000	0.001	0.001	0.001	0.002
9(E-F)	2	40	4.67	12	BothEndCnt	0.015	0.001	0.015	0.015	0.017	0.025
9(F-G)	2	40	3.67	9	EndIContin	0.020	0.004	0.020	0.016	0.019	0.027
1(B-C)	3	40	1.88	5	EndJContin	0.016	0.007	0.016	0.016	0.019	0.027
1(C-D)	3	40	1.97	5	BothEndCnt	0.018	0.010	0.018	0.018	0.021	0.030
1(D-E)	3	40	3.10	8	BothEndCnt	0.012	0.003	0.012	0.012	0.014	0.020
1(E-F)	3	40	4.67	12	EndIContin	0.015	0.001	0.015	0.015	0.018	0.025
3(B-C)	3	40	1.88	5	EndJContin	0.016	0.007	0.016	0.016	0.019	0.027
3(C-D)	3	40	1.97	5	BothEndCnt	0.003	0.001	0.003	0.003	0.004	0.006
3(D-E)	3	40	3.10	8	BothEndCnt	0.043	0.020	0.043	0.040	0.047	0.067
3(E-F)	3	40	4.67	12	BothEndCnt	0.021	0.009	0.021	0.022	0.026	0.037
3(F-G)	3	40	3.27	8	EndIContin	0.028	0.011	0.028	0.028	0.033	0.047
4(B-C)	3	40	1.88	5	EndJContin	0.018	0.007	0.018	0.018	0.022	0.031
4(C-D)	3	40	1.97	5	EndIContin	0.000	0.000	0.000	0.001	0.001	0.001
7(B-C)	3	40	1.88	5	EndJContin	0.017	0.006	0.017	0.018	0.021	0.029
7(C-D)	3	40	1.97	5	EndIContin	0.003	0.001	0.003	0.003	0.004	0.006
8(B-C)	3	40	1.88	5	EndJContin	0.025	0.008	0.025	0.024	0.028	0.040
8(C-D)	3	40	1.97	5	BothEndCnt	0.028	0.010	0.028	0.026	0.031	0.044
8(D-E)	3	40	3.10	8	BothEndCnt	0.015	0.011	0.015	0.015	0.017	0.025
8(E-F)	3	40	4.67	12	BothEndCnt	0.020	0.009	0.020	0.020	0.024	0.034
8(F-G)	3	40	3.55	9	EndIContin	0.028	0.011	0.028	0.028	0.033	0.047
9(B-C)	3	40	1.88	5	EndJContin	0.025	0.009	0.025	0.023	0.027	0.038
9(C-D)	3	40	1.97	5	BothEndCnt	0.020	0.011	0.020	0.019	0.022	0.031
9(D-E)	3	40	3.10	8	BothEndCnt	0.002	0.000	0.002	0.002	0.002	0.003
9(E-F)	3	40	4.67	12	EndIContin	0.014	0.002	0.014	0.014	0.017	0.024
1(A-B)	4	40	3.11	8	SimpSupprt	0.009	0.008	0.009	0.009	0.010	0.015
3(A-B)	4	40	3.11	8	SimpSupprt	0.009	0.008	0.009	0.009	0.011	0.015
8(A-B)	4	40	3.11	8	SimpSupprt	0.007	0.008	0.007	0.007	0.008	0.012
9(A-B)	4	40	3.11	8	SimpSupprt	0.010	0.009	0.010	0.010	0.012	0.017
1(B-C)	5	40	1.88	5	EndJContin	0.011	0.000	0.011	0.011	0.013	0.018
1(C-D)	5	40	1.97	5	BothEndCnt	0.011	0.003	0.011	0.012	0.014	0.020
1(D-E)	5	40	3.10	8	BothEndCnt	0.013	0.003	0.013	0.014	0.016	0.023
1(E-F)	5	40	4.67	12	EndIContin	0.014	0.002	0.014	0.014	0.017	0.024
3(B-C)	5	40	1.88	5	EndJContin	0.017	0.007	0.017	0.018	0.021	0.030
3(C-D)	5	40	1.97	5	BothEndCnt	0.003	0.001	0.003	0.003	0.003	0.005
3(D-E)	5	40	3.10	8	BothEndCnt	0.049	0.022	0.049	0.048	0.056	0.080
3(E-F)	5	40	4.67	12	BothEndCnt	0.022	0.009	0.022	0.022	0.026	0.037
3(F-G)	5	40	3.27	8	EndIContin	0.033	0.013	0.033	0.034	0.040	0.057
4(B-C)	5	40	1.88	5	EndJContin	0.024	0.010	0.024	0.025	0.029	0.042
4(C-D)	5	40	1.97	5	EndIContin	0.001	0.001	0.001	0.001	0.001	0.002
7(B-C)	5	40	1.88	5	EndJContin	0.028	0.009	0.028	0.028	0.033	0.047
7(C-D)	5	40	1.97	5	EndIContin	0.001	0.000	0.001	0.001	0.001	0.001
8(B-C)	5	40	1.88	5	EndJContin	0.030	0.009	0.030	0.030	0.035	0.051
8(C-D)	5	40	1.97	5	BothEndCnt	0.032	0.011	0.032	0.032	0.037	0.053
8(D-E)	5	40	3.10	8	BothEndCnt	0.019	0.013	0.019	0.019	0.023	0.032
8(E-F)	5	40	4.67	12	BothEndCnt	0.021	0.009	0.021	0.021	0.025	0.036
8(F-G)	5	40	3.55	9	EndIContin	0.034	0.013	0.034	0.035	0.041	0.059
9(B-C)	5	40	1.88	5	EndJContin	0.021	0.002	0.021	0.021	0.024	0.035
9(C-D)	5	40	1.97	5	BothEndCnt	0.002	0.000	0.002	0.002	0.002	0.003
9(D-E)	5	40	3.10	8	BothEndCnt	0.001	0.000	0.001	0.001	0.002	0.002
9(E-F)	5	40	4.67	12	EndIContin	0.014	0.002	0.014	0.014	0.016	0.023
1(A-B)	6	40	3.11	8	EndJContin	0.014	0.004	0.014	0.014	0.017	0.024
1(B-C)	6	40	1.88	5	BothEndCnt	0.006	0.004	0.006	0.006	0.007	0.010
1(C-D)	6	40	1.97	5	BothEndCnt	0.008	0.003	0.008	0.008	0.009	0.013
1(D-E)	6	40	3.10	8	BothEndCnt	0.013	0.003	0.013	0.013	0.015	0.022
1(E-F)	6	40	4.67	12	EndIContin	0.012	0.001	0.012	0.012	0.014	0.020
3(A-B)	6	40	3.11	8	EndJContin	0.003	0.001	0.003	0.003	0.004	0.006
3(B-C)	6	40	1.88	5	BothEndCnt	0.016	0.007	0.016	0.017	0.020	0.028
3(C-D)	6	40	1.97	5	BothEndCnt	0.003	0.001	0.003	0.003	0.004	0.005
3(D-E)	6	40	3.10	8	BothEndCnt	0.050	0.023	0.050	0.051	0.060	0.086
3(E-F)	6	40	4.67	12	BothEndCnt	0.016	0.001	0.016	0.017	0.020	0.028
3(F-G)	6	40	3.27	8	EndIContin	0.035	0.014	0.035	0.036	0.042	0.060
4(A-B)	6	40	3.11	8	EndJContin	0.078	0.056	0.078	0.080	0.093	0.133
4(B-C)	6	40	1.88	5	BothEndCnt	0.067	0.049	0.067	0.069	0.081	0.115
4(C-D)	6	40	1.97	5	BothEndCnt	0.000	0.000	0.000	0.000	0.000	0.000
4(D-E)	6	40	3.10	8	BothEndCnt	0.231	0.686	0.231	0.225	0.263	0.376
4(E-E')	6	40	2.29	6	BothEndCnt	0.173	0.333	0.173	0.175	0.204	0.291
4(E'-F)	6	40	2.38	6	BothEndCnt	0.014	0.029	0.014	0.015	0.017	0.025
4(F-H)	6	40	1.62	4	BothEndCnt	0.035	0.049	0.035	0.036	0.042	0.060
4(H-G)	6	40	1.71	4	EndIContin	0.071	0.076	0.071	0.073	0.085	0.121

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Beam	Floor	h	L	L/h	Beam Type	Deflc	Deflc	Deflc	Deflc	Deflc	Deflc
7(A-B)	6	40	3.11	8	EndJContin	0.064	0.046	0.064	0.066	0.077	0.110
7(B-C)	6	40	1.88	5	BothEndCnt	0.058	0.055	0.058	0.059	0.069	0.099
7(C-D)	6	40	1.97	5	BothEndCnt	0.004	0.001	0.004	0.004	0.005	0.007
7(D-E)	6	40	3.10	8	BothEndCnt	0.211	0.630	0.211	0.206	0.241	0.344
7(E-E')	6	40	2.29	6	BothEndCnt	0.151	0.288	0.151	0.152	0.177	0.253
7(E'-F)	6	40	2.38	6	BothEndCnt	0.012	0.024	0.012	0.013	0.015	0.021
7(F-H)	6	40	1.62	4	BothEndCnt	0.030	0.044	0.030	0.031	0.036	0.051
7(H-G)	6	40	1.88	5	EndIContin	0.068	0.075	0.068	0.070	0.082	0.116
8(A-B)	6	40	3.11	8	EndJContin	0.025	0.007	0.025	0.026	0.030	0.043
8(B-C)	6	40	1.88	5	BothEndCnt	0.012	0.001	0.012	0.012	0.015	0.021
8(C-D)	6	40	1.97	5	BothEndCnt	0.013	0.002	0.013	0.014	0.016	0.023
8(D-E)	6	40	3.10	8	BothEndCnt	0.019	0.013	0.019	0.020	0.023	0.033
8(E-F)	6	40	4.67	12	BothEndCnt	0.014	0.001	0.014	0.015	0.017	0.024
8(F-G)	6	40	3.55	9	EndIContin	0.036	0.015	0.036	0.037	0.043	0.062
9(A-B)	6	40	3.11	8	EndJContin	0.018	0.005	0.018	0.019	0.022	0.031
9(B-C)	6	40	1.88	5	BothEndCnt	0.014	0.001	0.014	0.014	0.016	0.023
9(C-D)	6	40	1.97	5	BothEndCnt	0.001	0.009	0.001	0.001	0.001	0.001
9(D-E)	6	40	3.10	8	BothEndCnt	0.001	0.000	0.001	0.001	0.001	0.001
9(E-F)	6	40	4.67	12	EndIContin	0.011	0.000	0.011	0.012	0.014	0.020

NOTE: All beam deflections are smaller than maximum permissible deflection
¤ Depth, H, of some beams is smaller than that recomemenden in Table 9.5(a)

Immediate deflections are computed according to 9.5.2.3 with:
Effective stiffness: $E I = Ec \cdot Ie$
$Ie = (Mcr/Ma)^3 Ig + [1 - (Mcr/Ma)^3] Icr$
$Mcr = fr\ Ig/Yt$
$Icr = b(kd)^3/3 + n\ As(d-kd)^1+(n-1)A's(kd-d')^2$
$n = Es/Ec$
Long-term deflections are computed according to 9.5.2.5

8 ANALISIS Y DISEÑO ESTRUCTURAL

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Company: AC INGENIERIA Engineer: ALVARO CABALLERO
Project: CASA CORREGIDOR - SOGAMOSO BLOQUE NUEVO 4:20:12 p. m. 4/05/2022
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P-DELTA ANALYSIS-NODAL DISPLACEMENTS

Location		Load	Displacements (cm)			Rotations (rad)		
Axis	Floor	LdCase	Ux	Uy	Uz	θx	θy	θz
A-1	1	D0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		DL	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		LL	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		EQX	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		EQY	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		WLX	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		WLY	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
B-1	1	D0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		DL	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		LL	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		EQX	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		EQY	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		WLX	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		WLY	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
D-1	1	D0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		DL	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		LL	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		EQX	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		EQY	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		WLX	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		WLY	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
E-1	1	D0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		DL	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		LL	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		EQX	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		EQY	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		WLX	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		WLY	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
F-1	1	D0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		DL	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		LL	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		EQX	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		EQY	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		WLX	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		WLY	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
G-1	1	D0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		DL	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		LL	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		EQX	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		EQY	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		WLX	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		WLY	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
C-2	1	D0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		DL	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		LL	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		EQX	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		EQY	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		WLX	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		WLY	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
D-2	1	D0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		DL	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		LL	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		EQX	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		EQY	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		WLX	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		WLY	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
A-3	1	D0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		DL	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		LL	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		EQX	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		EQY	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		WLX	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		WLY	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
B-3	1	D0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Company: AC INGENIERIA Engineer: ALVARO CABALLERO
Project: CASA CORREGIDOR - SOGAMOSO BLOQUE NUEVO 4:20:12 p. m. 4/05/2022

Axis	Floor	LdCase	Ux	Uy	Uz	θx	θy	θz
		DL	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		LL	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		EQX	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		EQY	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		WLX	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		WLY	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
C-3	1	D0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		DL	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		LL	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		EQX	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		EQY	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		WLX	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		WLY	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
D-3	1	D0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		DL	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		LL	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		EQX	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		EQY	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		WLX	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		WLY	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
E-3	1	D0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		DL	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		LL	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		EQX	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		EQY	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		WLX	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		WLY	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
F-3	1	D0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		DL	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		LL	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		EQX	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		EQY	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		WLX	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		WLY	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
G-3	1	D0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		DL	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		LL	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		EQX	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		EQY	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		WLX	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		WLY	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
C-4	1	D0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		DL	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		LL	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		EQX	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		EQY	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		WLX	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		WLY	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
D-4	1	D0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		DL	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		LL	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		EQX	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		EQY	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		WLX	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		WLY	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
F-5	1	D0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		DL	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		LL	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		EQX	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		EQY	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		WLX	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		WLY	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
G-5	1	D0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		DL	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		LL	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		EQX	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		EQY	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		WLX	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		WLY	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Company: AC INGENIERIA Engineer: ALVARO CABALLERO
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Axis	Floor	LdCase	Ux	Uy	Uz	θx	θy	θz
F-5a	1	D0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		DL	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		LL	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		EQX	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		EQY	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		WLX	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		WLY	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
G-5a	1	D0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		DL	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		LL	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		EQX	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		EQY	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		WLX	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		WLY	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
C-7	1	D0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		DL	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		LL	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		EQX	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		EQY	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		WLX	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		WLY	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
D-7	1	D0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		DL	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		LL	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		EQX	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		EQY	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		WLX	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		WLY	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
A-8	1	D0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		DL	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		LL	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		EQX	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		EQY	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		WLX	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		WLY	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
B-8	1	D0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		DL	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		LL	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		EQX	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		EQY	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		WLX	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		WLY	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
D-8	1	D0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		DL	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		LL	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		EQX	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		EQY	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		WLX	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		WLY	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
E-8	1	D0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		DL	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		LL	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		EQX	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		EQY	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		WLX	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		WLY	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
F-8	1	D0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		DL	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		LL	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		EQX	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		EQY	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		WLX	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		WLY	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
G-8	1	D0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		DL	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		LL	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		EQX	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		EQY	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Company: AC INGENIERIA Engineer: ALVARO CABALLERO
Project: CASA CORREGIDOR - SOGAMOSO BLOQUE NUEVO 4:20:12 p. m. 4/05/2022

Axis	Floor	LdCase	Ux	Uy	Uz	θx	θy	θz
		WLX	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		WLY	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
A-9	1	D0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		DL	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		LL	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		EQX	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		EQY	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		WLX	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		WLY	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
B-9	1	D0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		DL	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		LL	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		EQX	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		EQY	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		WLX	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		WLY	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
D-9	1	D0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		DL	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		LL	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		EQX	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		EQY	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		WLX	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		WLY	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
E-9	1	D0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		DL	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		LL	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		EQX	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		EQY	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		WLX	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		WLY	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
F-9	1	D0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		DL	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		LL	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		EQX	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		EQY	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		WLX	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		WLY	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
G-9	1	D0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		DL	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		LL	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		EQX	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		EQY	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		WLX	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		WLY	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
A-1	2	D0	0.0047	-0.0021	-0.0108	0.0000	0.0000	0.0000
		DL	0.0050	-0.0016	-0.0049	-0.0001	0.0000	0.0000
		LL	0.0054	-0.0020	-0.0040	-0.0001	0.0000	0.0000
		EQX	-1.5610	-0.3562	-0.0343	0.0004	-0.0042	0.0008
		EQY	-1.2040	-1.2150	-0.0471	0.0023	-0.0023	-0.0019
		WLX	-0.0103	-0.0081	-0.0003	0.0000	0.0000	0.0000
		WLY	-0.0088	-0.0141	-0.0004	0.0000	0.0000	0.0000
B-1	2	D0	0.0035	-0.0021	-0.0146	0.0000	0.0000	0.0000
		DL	0.0035	-0.0015	-0.0114	0.0000	0.0001	0.0000
		LL	0.0040	-0.0020	-0.0071	0.0000	0.0000	0.0000
		EQX	-1.6214	-0.3512	-0.0503	-0.0003	-0.0042	0.0008
		EQY	-0.6188	-1.2213	-0.0115	0.0014	-0.0012	-0.0019
		WLX	-0.0119	-0.0080	-0.0003	0.0000	0.0000	0.0000
		WLY	-0.0048	-0.0141	-0.0001	0.0000	0.0000	0.0000
C-1	2	D0	0.0029	-0.0020	-0.0193	0.0000	0.0000	0.0000
		DL	0.0026	-0.0015	-0.0161	0.0000	0.0002	0.0000
		LL	0.0031	-0.0019	-0.0052	0.0000	0.0001	0.0000
		EQX	-1.6578	-0.3487	-0.1135	-0.0004	0.0025	0.0008
		EQY	-0.2650	-1.2244	-0.0309	-0.0009	0.0020	-0.0019
		WLX	-0.0128	-0.0080	-0.0009	0.0000	0.0000	0.0000
		WLY	-0.0024	-0.0141	-0.0002	0.0000	0.0000	0.0000
D-1	2	D0	0.0021	-0.0020	-0.0138	0.0000	0.0000	0.0000
		DL	0.0016	-0.0015	-0.0108	0.0000	0.0000	0.0000
		LL	0.0022	-0.0019	-0.0039	0.0000	0.0000	0.0000

Company: AC INGENIERIA Engineer: ALVARO CABALLERO
Project: CASA CORREGIDOR - SOGAMOSO BLOQUE NUEVO 4:20:13 p. m. 4/05/2022

Axis	Floor	LdCase	Ux	Uy	Uz	θx	θy	θz
		EQX	-1.7097	-0.3462	-0.1182	0.0004	-0.0038	0.0008
		EQY	0.1058	-1.2276	0.0063	0.0019	-0.0002	-0.0019
		WLX	-0.0141	-0.0079	-0.0008	0.0000	0.0000	0.0000
		WLY	-0.0002	-0.0141	0.0001	0.0000	0.0000	0.0000
E-1	2	D0	0.0010	-0.0020	-0.0154	0.0000	0.0000	0.0000
		DL	0.0001	-0.0015	-0.0179	0.0000	0.0002	0.0000
		LL	0.0007	-0.0019	-0.0059	0.0000	0.0001	0.0000
		EQX	-1.9669	-0.3412	-0.0548	0.0003	-0.0048	0.0008
		EQY	0.6891	-1.2339	0.0357	0.0020	0.0014	-0.0019
		WLX	-0.0178	-0.0078	-0.0003	0.0000	0.0000	0.0000
		WLY	0.0041	-0.0141	0.0003	0.0000	0.0000	0.0000
F-1	2	D0	-0.0006	-0.0020	-0.0138	0.0000	0.0000	0.0000
		DL	-0.0021	-0.0015	-0.0137	0.0000	0.0002	0.0000
		LL	-0.0015	-0.0019	-0.0044	0.0000	0.0001	0.0000
		EQX	-2.3545	-0.3346	-0.0543	0.0003	-0.0052	0.0008
		EQY	1.5680	-1.2423	0.0344	0.0019	0.0032	-0.0019
		WLX	-0.0235	-0.0078	-0.0004	0.0000	0.0000	0.0000
		WLY	0.0101	-0.0141	0.0003	0.0000	0.0000	0.0000
G-1	2	D0	-0.0018	-0.0020	-0.0041	0.0001	0.0001	0.0000
		DL	-0.0036	-0.0014	-0.0030	0.0000	0.0002	0.0000
		LL	-0.0029	-0.0019	-0.0009	0.0000	0.0001	0.0000
		EQX	-2.6159	-0.3338	-0.0119	0.0004	-0.0030	0.0008
		EQY	2.1608	-1.2433	0.0206	0.0008	0.0026	-0.0019
		WLX	-0.0273	-0.0077	-0.0001	0.0000	0.0000	0.0000
		WLY	0.0141	-0.0141	0.0002	0.0000	0.0000	0.0000
C-2	2	D0	0.0029	-0.0009	-0.0087	0.0000	0.0000	0.0000
		DL	0.0026	0.0000	-0.0059	0.0000	0.0000	0.0000
		LL	0.0031	-0.0005	-0.0029	0.0000	0.0000	0.0000
		EQX	-1.6578	-0.0890	-0.4751	0.0003	-0.0027	0.0008
		EQY	-0.2650	-1.5531	-0.4171	0.0022	-0.0008	-0.0019
		WLX	-0.0128	-0.0042	-0.0045	0.0000	0.0000	0.0000
		WLY	-0.0024	-0.0145	-0.0036	0.0000	0.0000	0.0000
D-2	2	D0	0.0021	-0.0009	-0.0082	0.0000	0.0000	0.0000
		DL	0.0016	0.0000	-0.0060	0.0000	0.0000	0.0000
		LL	0.0022	-0.0005	-0.0026	0.0000	0.0000	0.0000
		EQX	-1.7097	-0.0890	-0.5144	-0.0005	-0.0027	0.0008
		EQY	0.1058	-1.5531	0.3676	0.0021	0.0007	-0.0019
		WLX	-0.0141	-0.0042	-0.0032	0.0000	0.0000	0.0000
		WLY	-0.0002	-0.0145	0.0033	0.0000	0.0000	0.0000
A-3	2	D0	0.0047	-0.0002	-0.0145	0.0000	0.0000	0.0000
		DL	0.0050	0.0009	-0.0109	-0.0001	0.0001	0.0000
		LL	0.0054	0.0004	-0.0098	-0.0001	0.0001	0.0000
		EQX	-1.5610	0.1029	0.0318	-0.0003	-0.0042	0.0008
		EQY	-1.2040	-1.7546	-0.0523	0.0030	-0.0023	-0.0019
		WLX	-0.0103	-0.0018	0.0001	0.0000	0.0000	0.0000
		WLY	-0.0088	-0.0147	-0.0004	0.0000	0.0000	0.0000
B-3	2	D0	0.0035	-0.0002	-0.0171	0.0000	0.0000	0.0000
		DL	0.0035	0.0009	-0.0160	0.0001	0.0000	0.0000
		LL	0.0040	0.0004	-0.0118	0.0001	0.0000	0.0000
		EQX	-1.6214	0.1029	0.0840	0.0011	-0.0039	0.0008
		EQY	-0.6188	-1.7546	-0.1125	0.0016	-0.0007	-0.0019
		WLX	-0.0119	-0.0018	0.0003	0.0000	0.0000	0.0000
		WLY	-0.0048	-0.0147	-0.0010	0.0000	0.0000	0.0000
C-3	2	D0	0.0029	-0.0002	-0.0109	0.0000	0.0000	0.0000
		DL	0.0026	0.0009	-0.0081	0.0000	0.0000	0.0000
		LL	0.0031	0.0004	-0.0055	0.0000	0.0000	0.0000
		EQX	-1.6578	0.1029	0.5962	0.0013	-0.0028	0.0008
		EQY	-0.2650	-1.7546	-0.2176	0.0006	-0.0005	-0.0019
		WLX	-0.0128	-0.0018	0.0040	0.0000	0.0000	0.0000
		WLY	-0.0024	-0.0147	-0.0021	0.0000	0.0000	0.0000
D-3	2	D0	0.0021	-0.0002	-0.0102	0.0000	0.0000	0.0000
		DL	0.0016	0.0009	-0.0082	0.0000	0.0000	0.0000
		LL	0.0022	0.0004	-0.0052	0.0000	0.0000	0.0000
		EQX	-1.7097	0.1029	0.4424	-0.0009	-0.0027	0.0008
		EQY	0.1058	-1.7546	0.1693	0.0031	0.0003	-0.0019
		WLX	-0.0141	-0.0018	0.0039	0.0000	0.0000	0.0000
		WLY	-0.0002	-0.0147	0.0015	0.0000	0.0000	0.0000
E-3	2	D0	0.0010	-0.0002	-0.0194	0.0000	0.0000	0.0000

Company: AC INGENIERIA Engineer: ALVARO CABALLERO
Project: CASA CORREGIDOR - SOGAMOSO BLOQUE NUEVO 4:20:13 p. m. 4/05/2022

Axis	Floor	LdCase	Ux	Uy	Uz	θx	θy	θz
		DL	0.0001	0.0009	-0.0320	0.0000	0.0000	0.0000
		LL	0.0007	0.0004	-0.0201	0.0000	0.0001	0.0000
		EQX	-1.9669	0.1029	0.0738	-0.0004	-0.0048	0.0008
		EQY	0.6891	-1.7546	0.0602	0.0023	0.0014	-0.0019
		WLX	-0.0178	-0.0018	0.0007	0.0000	0.0000	0.0000
		WLY	0.0041	-0.0147	0.0005	0.0000	0.0000	0.0000
F-3	2	D0	-0.0006	-0.0002	-0.0195	0.0000	0.0000	0.0000
		DL	-0.0021	0.0009	-0.0220	0.0000	0.0000	0.0000
		LL	-0.0015	0.0004	-0.0129	0.0000	0.0001	0.0000
		EQX	-2.3545	0.1029	0.0545	-0.0001	-0.0052	0.0008
		EQY	1.5680	-1.7546	-0.0475	0.0027	0.0032	-0.0019
		WLX	-0.0235	-0.0018	0.0004	0.0000	0.0000	0.0000
		WLY	0.0101	-0.0147	-0.0005	0.0000	0.0000	0.0000
G-3	2	D0	-0.0018	-0.0002	-0.0134	0.0000	0.0000	0.0000
		DL	-0.0037	0.0009	-0.0073	0.0000	-0.0001	0.0000
		LL	-0.0030	0.0004	-0.0044	0.0000	0.0000	0.0000
		EQX	-2.6259	0.1029	0.0189	-0.0002	-0.0043	0.0008
		EQY	2.1834	-1.7546	0.0708	0.0032	0.0031	-0.0019
		WLX	-0.0274	-0.0018	0.0003	0.0000	0.0000	0.0000
		WLY	0.0143	-0.0147	0.0007	0.0000	0.0000	0.0000
A-4	2	D0	0.0047	0.0005	-0.0294	0.0000	0.0001	0.0000
		DL	0.0050	0.0019	-0.0461	-0.0001	0.0002	0.0000
		LL	0.0054	0.0014	-0.0459	-0.0001	0.0002	0.0000
		EQX	-1.5610	0.2447	0.9120	-0.0003	-0.0042	0.0008
		EQY	-1.2040	-2.1073	0.4439	0.0030	-0.0023	-0.0019
		WLX	-0.0103	-0.0008	0.0062	0.0000	0.0000	0.0000
		WLY	-0.0088	-0.0173	0.0039	0.0000	0.0000	0.0000
B-4	2	D0	0.0035	0.0005	-0.0275	0.0001	0.0001	0.0000
		DL	0.0035	0.0019	-0.0444	0.0002	0.0002	0.0000
		LL	0.0040	0.0014	-0.0393	0.0002	0.0002	0.0000
		EQX	-1.6214	0.2447	0.5880	-0.0030	-0.0014	0.0008
		EQY	-0.6188	-2.1073	-0.3991	0.0003	0.0024	-0.0019
		WLX	-0.0119	-0.0008	0.0036	0.0000	0.0000	0.0000
		WLY	-0.0048	-0.0173	-0.0038	0.0000	0.0000	0.0000
C-4	2	D0	0.0029	0.0005	-0.0136	0.0000	0.0000	0.0000
		DL	0.0026	0.0019	-0.0155	0.0000	0.0000	0.0000
		LL	0.0031	0.0014	-0.0105	0.0000	0.0000	0.0000
		EQX	-1.6578	0.2447	0.2150	-0.0003	-0.0032	0.0008
		EQY	-0.2650	-2.1073	-0.1132	0.0035	-0.0005	-0.0019
		WLX	-0.0128	-0.0008	0.0013	0.0000	0.0000	0.0000
		WLY	-0.0024	-0.0173	-0.0010	0.0000	0.0000	0.0000
D-4	2	D0	0.0021	0.0005	-0.0123	0.0000	0.0000	0.0000
		DL	0.0016	0.0019	-0.0163	0.0000	0.0000	0.0000
		LL	0.0022	0.0014	-0.0100	0.0000	0.0000	0.0000
		EQX	-1.7097	0.2447	0.2586	0.0001	-0.0022	0.0008
		EQY	0.1058	-2.1073	0.1259	0.0040	0.0002	-0.0019
		WLX	-0.0141	-0.0008	0.0021	0.0000	0.0000	0.0000
		WLY	-0.0002	-0.0173	0.0011	0.0000	0.0000	0.0000
E-4	2	D0	0.0010	0.0005	-0.0330	0.0000	0.0001	0.0000
		DL	0.0001	0.0019	-0.0774	0.0000	0.0003	0.0000
		LL	0.0007	0.0014	-0.0865	0.0000	0.0004	0.0000
		EQX	-1.9669	0.2447	1.0800	-0.0004	-0.0048	0.0008
		EQY	0.6891	-2.1073	-0.2389	0.0023	0.0014	-0.0019
		WLX	-0.0178	-0.0008	0.0088	0.0000	0.0000	0.0000
		WLY	0.0041	-0.0173	-0.0024	0.0000	0.0000	0.0000
F-4	2	D0	-0.0006	0.0005	-0.0342	0.0000	0.0001	0.0000
		DL	-0.0021	0.0019	-0.0555	0.0000	0.0003	0.0000
		LL	-0.0015	0.0014	-0.0700	0.0000	0.0004	0.0000
		EQX	-2.3545	0.2447	1.1479	-0.0001	-0.0052	0.0008
		EQY	1.5680	-2.1073	-0.7145	0.0027	0.0032	-0.0019
		WLX	-0.0235	-0.0008	0.0097	0.0000	0.0000	0.0000
		WLY	0.0101	-0.0173	-0.0067	0.0000	0.0000	0.0000
G-4	2	D0	-0.0018	0.0005	-0.0181	0.0000	0.0001	0.0000
		DL	-0.0037	0.0019	-0.0096	0.0000	0.0001	0.0000
		LL	-0.0030	0.0014	-0.0346	0.0000	0.0002	0.0000
		EQX	-2.6308	0.2447	0.9320	-0.0002	-0.0043	0.0008
		EQY	2.1946	-2.1073	-0.5740	0.0032	0.0031	-0.0019
		WLX	-0.0275	-0.0008	0.0108	0.0000	0.0000	0.0000
		WLY	0.0144	-0.0173	0.0021	0.0000	0.0000	0.0000

Company: AC INGENIERIA Engineer: ALVARO CABALLERO
Project: CASA CORREGIDOR - SOGAMOSO BLOQUE NUEVO 4:20:13 p. m. 4/05/2022

Axis	Floor	LdCase	Ux	Uy	Uz	θx	θy	θz
C-4a	2	D0	0.0029	0.0009	-0.0149	0.0000	0.0000	0.0000
		DL	0.0026	0.0024	-0.0170	0.0000	0.0000	0.0000
		LL	0.0031	0.0019	-0.0107	0.0000	0.0000	0.0000
		EQX	-1.6578	0.3276	0.5303	-0.0003	-0.0032	0.0008
		EQY	-0.2650	-2.2955	-0.0793	0.0035	-0.0005	-0.0019
		WLX	-0.0128	0.0019	0.0037	0.0000	0.0000	0.0000
		WLY	-0.0024	-0.0186	-0.0009	0.0000	0.0000	0.0000
D-4a	2	D0	0.0021	0.0009	-0.0133	0.0000	0.0000	0.0000
		DL	0.0016	0.0024	-0.0200	0.0000	0.0000	0.0000
		LL	0.0022	0.0019	-0.0111	0.0000	0.0000	0.0000
		EQX	-1.7097	0.3276	0.4754	0.0001	-0.0022	0.0008
		EQY	0.1058	-2.2955	0.1177	0.0040	0.0002	-0.0019
		WLX	-0.0141	0.0019	0.0036	0.0000	0.0000	0.0000
		WLY	-0.0002	-0.0186	0.0009	0.0000	0.0000	0.0000
E'-5	2	D0	0.0005	-0.0138	-0.0627	0.0003	0.0004	0.0000
		DL	0.0014	-0.0147	-0.0416	0.0002	0.0011	0.0000
		LL	0.0003	-0.0088	-0.0348	0.0002	0.0004	0.0000
		EQX	-2.4503	0.5074	0.0558	-0.0002	-0.0024	-0.0017
		EQY	-0.4858	-1.7727	-0.2245	0.0008	-0.0002	-0.0011
		WLX	-0.0076	-0.0056	-0.0007	0.0000	0.0000	0.0000
		WLY	-0.0111	-0.0960	-0.0122	0.0000	0.0000	0.0000
F-5	2	D0	0.0003	-0.0138	-0.0077	0.0001	0.0004	0.0000
		DL	0.0007	-0.0147	-0.0092	0.0000	0.0011	0.0000
		LL	0.0002	-0.0088	-0.0040	0.0001	0.0004	0.0000
		EQX	-2.0426	0.5074	-0.0051	-0.0002	-0.0024	-0.0014
		EQY	-0.2130	-1.7724	-0.0147	0.0008	-0.0002	-0.0011
		WLX	-0.0038	-0.0056	0.0000	0.0000	0.0000	0.0000
		WLY	-0.0054	-0.0960	-0.0008	0.0000	0.0000	0.0000
G-5	2	D0	0.0000	-0.0138	-0.0044	0.0000	0.0003	0.0000
		DL	-0.0001	-0.0147	-0.0051	0.0001	0.0006	0.0000
		LL	0.0000	-0.0088	-0.0017	0.0000	0.0002	0.0000
		EQX	-1.7856	0.5074	-0.0077	-0.0006	-0.0028	-0.0014
		EQY	0.1461	-1.7724	0.0116	0.0020	0.0002	-0.0011
		WLX	-0.0029	-0.0056	0.0000	0.0000	0.0000	0.0000
		WLY	-0.0036	-0.0960	0.0006	0.0001	0.0000	0.0000
E'-5a	2	D0	0.0005	-0.0133	-0.0613	0.0003	-0.0004	0.0000
		DL	0.0014	-0.0130	-0.0463	0.0002	-0.0011	0.0000
		LL	0.0003	-0.0085	-0.0363	0.0002	-0.0004	0.0000
		EQX	-2.4530	-0.5044	-0.0639	0.0003	-0.0024	-0.0017
		EQY	-0.4858	-1.8096	-0.2409	0.0009	-0.0002	-0.0011
		WLX	-0.0076	0.0057	0.0007	0.0000	0.0000	0.0000
		WLY	-0.0111	-0.0965	-0.0129	0.0000	0.0000	0.0000
F-5a	2	D0	0.0003	-0.0133	-0.0077	0.0001	-0.0004	0.0000
		DL	0.0007	-0.0130	-0.0095	0.0000	-0.0011	0.0000
		LL	0.0002	-0.0085	-0.0041	0.0001	-0.0004	0.0000
		EQX	-2.0426	-0.5044	0.0054	0.0003	-0.0024	-0.0014
		EQY	-0.2130	-1.8093	-0.0140	0.0009	-0.0002	-0.0011
		WLX	-0.0038	0.0057	0.0000	0.0000	0.0000	0.0000
		WLY	-0.0054	-0.0965	-0.0008	0.0000	0.0000	0.0000
G-5a	2	D0	0.0000	-0.0133	-0.0044	0.0000	-0.0003	0.0000
		DL	-0.0001	-0.0130	-0.0051	0.0001	-0.0006	0.0000
		LL	0.0000	-0.0085	-0.0017	0.0000	-0.0002	0.0000
		EQX	-1.7903	-0.5044	0.0074	0.0005	-0.0028	-0.0014
		EQY	0.1644	-1.8093	0.0111	0.0021	0.0003	-0.0011
		WLX	-0.0032	0.0057	0.0000	0.0000	0.0000	0.0000
		WLY	-0.0039	-0.0965	0.0006	0.0001	0.0000	0.0000
A-7	2	D0	-0.0003	0.0012	-0.0270	0.0000	-0.0001	0.0000
		DL	0.0065	0.0012	-0.0458	-0.0001	-0.0002	0.0000
		LL	0.0061	0.0016	-0.0429	-0.0001	-0.0002	0.0000
		EQX	-2.1680	0.5121	-0.9277	-0.0009	-0.0043	0.0007
		EQY	-0.8711	-4.4670	-0.5082	0.0061	-0.0020	-0.0014
		WLX	-0.0150	-0.0027	-0.0057	0.0000	0.0000	0.0000
		WLY	-0.0101	-0.0403	-0.0059	0.0001	0.0000	0.0000
B-7	2	D0	0.0015	0.0012	-0.0281	0.0001	0.0000	0.0000
		DL	0.0072	0.0012	-0.0488	0.0003	-0.0001	0.0000
		LL	0.0071	0.0016	-0.0403	0.0002	-0.0001	0.0000
		EQX	-2.1664	0.5121	-0.4160	0.0027	-0.0012	0.0007
		EQY	-0.4492	-4.4670	-0.7002	0.0018	-0.0042	-0.0014

Company: AC INGENIERIA Engineer: ALVARO CABALLERO
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Axis	Floor	LdCase	Ux	Uy	Uz	θx	θy	θz
		WLX	-0.0171	-0.0027	-0.0031	0.0000	0.0000	0.0000
		WLY	-0.0028	-0.0403	-0.0070	0.0000	0.0000	0.0000
C-7	2	D0	0.0025	0.0012	-0.0133	0.0000	0.0000	0.0000
		DL	0.0077	0.0012	-0.0139	0.0000	0.0000	0.0000
		LL	0.0077	0.0016	-0.0102	0.0000	0.0000	0.0000
		EQX	-2.1654	0.5121	-0.0871	-0.0004	-0.0041	0.0007
		EQY	-0.1942	-4.4670	-0.1234	0.0050	-0.0005	-0.0014
		WLX	-0.0184	-0.0027	-0.0006	0.0000	0.0000	0.0000
		WLY	0.0041	-0.0403	-0.0012	0.0000	0.0000	0.0000
D-7	2	D0	0.0036	0.0012	-0.0127	0.0000	0.0000	0.0000
		DL	0.0082	0.0012	-0.0164	0.0000	0.0000	0.0000
		LL	0.0083	0.0016	-0.0104	0.0000	0.0000	0.0000
		EQX	-2.1660	0.5121	-0.1337	-0.0008	-0.0032	0.0007
		EQY	0.0731	-4.4670	0.1172	0.0056	0.0004	-0.0014
		WLX	-0.0198	-0.0027	-0.0009	0.0000	0.0000	0.0000
		WLY	0.0062	-0.0403	0.0009	0.0000	0.0000	0.0000
E-7	2	D0	0.0053	0.0012	-0.0303	0.0000	-0.0001	0.0000
		DL	0.0089	0.0012	-0.0910	0.0000	-0.0004	0.0000
		LL	0.0093	0.0016	-0.0932	0.0000	-0.0005	0.0000
		EQX	-2.3827	0.5121	-0.9328	-0.0008	-0.0043	0.0007
		EQY	0.4936	-4.4670	0.3050	0.0049	0.0011	-0.0014
		WLX	-0.0243	-0.0027	-0.0078	0.0000	0.0000	0.0000
		WLY	0.0135	-0.0403	0.0032	0.0000	0.0000	0.0000
F-7	2	D0	0.0078	0.0012	-0.0306	0.0000	-0.0001	0.0000
		DL	0.0100	0.0012	-0.0544	0.0000	-0.0002	0.0000
		LL	0.0108	0.0016	-0.0686	0.0000	-0.0004	0.0000
		EQX	-2.7090	0.5121	-1.1552	-0.0007	-0.0053	0.0007
		EQY	1.1271	-4.4670	0.5869	0.0049	0.0028	-0.0014
		WLX	-0.0312	-0.0027	-0.0109	0.0000	-0.0001	0.0000
		WLY	0.0245	-0.0403	0.0073	0.0000	0.0000	0.0000
G-7	2	D0	0.0098	0.0012	-0.0147	0.0000	0.0000	0.0000
		DL	0.0109	0.0012	-0.0105	0.0000	-0.0001	0.0000
		LL	0.0119	0.0016	-0.0350	0.0000	-0.0002	0.0000
		EQX	-2.9536	0.5121	-0.9471	-0.0009	-0.0044	0.0007
		EQY	1.6019	-4.4670	0.6402	0.0061	0.0027	-0.0014
		WLX	-0.0363	-0.0027	-0.0122	0.0000	-0.0001	0.0000
		WLY	0.0327	-0.0403	0.0119	0.0001	0.0001	0.0000
A-8	2	D0	-0.0003	0.0001	-0.0142	0.0000	0.0000	0.0000
		DL	0.0065	0.0007	-0.0103	-0.0001	-0.0001	0.0000
		LL	0.0061	0.0009	-0.0092	-0.0001	-0.0001	0.0000
		EQX	-2.1680	0.6589	-0.0315	-0.0009	-0.0043	0.0007
		EQY	-0.8711	-4.7519	-0.0865	0.0061	-0.0020	-0.0014
		WLX	-0.0150	0.0038	-0.0002	0.0000	0.0000	0.0000
		WLY	-0.0101	-0.0452	-0.0008	0.0001	0.0000	0.0000
B-8	2	D0	0.0015	0.0001	-0.0211	0.0000	0.0000	0.0000
		DL	0.0072	0.0007	-0.0233	0.0000	0.0000	0.0000
		LL	0.0071	0.0009	-0.0150	0.0000	0.0000	0.0000
		EQX	-2.1664	0.6589	0.0102	0.0003	-0.0033	0.0007
		EQY	-0.4492	-4.7519	-0.0274	0.0039	-0.0016	-0.0014
		WLX	-0.0171	0.0038	0.0001	0.0000	0.0000	0.0000
		WLY	-0.0028	-0.0452	-0.0002	0.0000	0.0000	0.0000
C-8	2	D0	0.0025	0.0001	-0.0300	0.0000	0.0001	0.0000
		DL	0.0077	0.0007	-0.0492	0.0000	0.0004	0.0000
		LL	0.0077	0.0009	-0.0234	0.0000	0.0001	0.0000
		EQX	-2.1654	0.6589	0.1324	0.0008	0.0007	0.0007
		EQY	-0.1942	-4.7519	-0.0651	-0.0026	-0.0002	-0.0014
		WLX	-0.0184	0.0038	0.0009	0.0000	0.0000	0.0000
		WLY	0.0041	-0.0452	-0.0005	0.0000	0.0000	0.0000
D-8	2	D0	0.0036	0.0001	-0.0185	0.0000	0.0000	0.0000
		DL	0.0082	0.0007	-0.0248	0.0001	0.0001	0.0000
		LL	0.0083	0.0009	-0.0132	0.0000	0.0000	0.0000
		EQX	-2.1660	0.6589	0.0980	-0.0009	-0.0023	0.0007
		EQY	0.0731	-4.7519	-0.0071	0.0048	0.0003	-0.0014
		WLX	-0.0198	0.0038	0.0006	0.0000	0.0000	0.0000
		WLY	0.0062	-0.0452	0.0000	0.0000	0.0000	0.0000
E-8	2	D0	0.0053	0.0001	-0.0199	0.0000	0.0000	0.0000
		DL	0.0089	0.0007	-0.0340	0.0000	0.0000	0.0000
		LL	0.0093	0.0009	-0.0210	0.0000	-0.0001	0.0000

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Axis	Floor	LdCase	Ux	Uy	Uz	θx	θy	θz
		EQX	-2.3827	0.6589	-0.0394	-0.0008	-0.0043	0.0007
		EQY	0.4936	-4.7519	0.0705	0.0049	0.0011	-0.0014
		WLX	-0.0243	0.0038	-0.0003	0.0000	0.0000	0.0000
		WLY	0.0135	-0.0452	0.0006	0.0000	0.0000	0.0000
F-8	2	D0	0.0078	0.0001	-0.0197	0.0000	0.0000	0.0000
		DL	0.0100	0.0007	-0.0225	0.0000	0.0001	0.0000
		LL	0.0108	0.0009	-0.0130	0.0000	-0.0001	0.0000
		EQX	-2.7090	0.6589	-0.0485	-0.0007	-0.0053	0.0007
		EQY	1.1271	-4.7519	-0.0105	0.0049	0.0028	-0.0014
		WLX	-0.0312	0.0038	-0.0003	0.0000	-0.0001	0.0000
		WLY	0.0245	-0.0452	-0.0002	0.0000	0.0000	0.0000
G-8	2	D0	0.0098	0.0001	-0.0135	0.0000	0.0001	0.0000
		DL	0.0109	0.0007	-0.0075	0.0000	0.0001	0.0000
		LL	0.0119	0.0009	-0.0045	0.0000	0.0000	0.0000
		EQX	-2.9571	0.6589	-0.0320	-0.0009	-0.0044	0.0007
		EQY	1.6087	-4.7519	0.1015	0.0061	0.0027	-0.0014
		WLX	-0.0364	0.0038	-0.0003	0.0000	-0.0001	0.0000
		WLY	0.0328	-0.0452	0.0010	0.0001	0.0001	0.0000
A-9	2	D0	-0.0003	-0.0026	-0.0108	0.0000	0.0000	0.0000
		DL	0.0065	-0.0005	-0.0050	-0.0001	0.0000	0.0000
		LL	0.0061	-0.0006	-0.0041	-0.0001	0.0000	0.0000
		EQX	-2.1680	0.9936	0.0437	-0.0013	-0.0043	0.0007
		EQY	-0.8711	-5.4017	-0.0751	0.0072	-0.0020	-0.0014
		WLX	-0.0150	0.0108	0.0003	0.0000	0.0000	0.0000
		WLY	-0.0101	-0.0565	-0.0006	0.0001	0.0000	0.0000
B-9	2	D0	0.0015	-0.0026	-0.0157	0.0000	0.0000	0.0000
		DL	0.0072	-0.0005	-0.0134	0.0000	0.0000	0.0000
		LL	0.0071	-0.0006	-0.0079	0.0000	0.0000	0.0000
		EQX	-2.1664	0.9964	0.0449	-0.0010	-0.0036	0.0007
		EQY	-0.4492	-5.4071	0.0144	0.0047	-0.0010	-0.0014
		WLX	-0.0171	0.0109	0.0003	0.0000	0.0000	0.0000
		WLY	-0.0028	-0.0566	0.0001	0.0000	0.0000	0.0000
C-9	2	D0	0.0025	-0.0026	-0.0232	0.0000	-0.0003	0.0000
		DL	0.0077	-0.0005	-0.0256	0.0000	-0.0009	0.0000
		LL	0.0077	-0.0006	-0.0085	0.0000	-0.0003	0.0000
		EQX	-2.1654	0.9985	0.0496	0.0006	-0.0005	0.0007
		EQY	-0.1942	-5.4112	-0.0380	-0.0033	-0.0001	-0.0014
		WLX	-0.0184	0.0109	0.0003	0.0000	0.0000	0.0000
		WLY	0.0041	-0.0566	-0.0003	0.0000	0.0000	0.0000
D-9	2	D0	0.0036	-0.0026	-0.0165	0.0000	0.0000	0.0000
		DL	0.0082	-0.0005	-0.0169	0.0000	-0.0001	0.0000
		LL	0.0083	-0.0006	-0.0062	0.0000	0.0000	0.0000
		EQX	-2.1660	0.9999	0.0495	-0.0011	-0.0042	0.0007
		EQY	0.0731	-5.4139	-0.0326	0.0056	0.0002	-0.0014
		WLX	-0.0198	0.0110	0.0003	0.0000	0.0000	0.0000
		WLY	0.0062	-0.0567	-0.0002	0.0001	0.0000	0.0000
E-9	2	D0	0.0053	-0.0026	-0.0159	0.0000	0.0000	0.0000
		DL	0.0089	-0.0005	-0.0186	0.0000	-0.0001	0.0000
		LL	0.0093	-0.0006	-0.0063	0.0000	0.0000	0.0000
		EQX	-2.3827	1.0013	0.0431	-0.0012	-0.0046	0.0007
		EQY	0.4936	-5.4166	0.0481	0.0060	0.0012	-0.0014
		WLX	-0.0243	0.0110	0.0003	0.0000	0.0000	0.0000
		WLY	0.0135	-0.0567	0.0005	0.0001	0.0000	0.0000
F-9	2	D0	0.0078	-0.0027	-0.0141	0.0000	0.0000	0.0000
		DL	0.0100	-0.0005	-0.0144	0.0000	-0.0002	0.0000
		LL	0.0108	-0.0006	-0.0048	0.0000	0.0000	0.0000
		EQX	-2.7090	1.0041	0.0530	-0.0010	-0.0053	0.0007
		EQY	1.1271	-5.4220	-0.0243	0.0046	0.0029	-0.0014
		WLX	-0.0312	0.0111	0.0004	0.0000	-0.0001	0.0000
		WLY	0.0245	-0.0568	-0.0002	0.0000	0.0000	0.0000
G-9	2	D0	0.0099	-0.0027	-0.0036	0.0000	-0.0001	0.0000
		DL	0.0109	-0.0005	-0.0021	0.0000	-0.0001	0.0000
		LL	0.0119	-0.0007	-0.0007	0.0000	0.0000	0.0000
		EQX	-2.9655	1.0090	0.0070	-0.0023	-0.0053	0.0007
		EQY	1.6250	-5.4315	0.0341	0.0121	0.0031	-0.0014
		WLX	-0.0365	0.0112	0.0001	0.0000	-0.0001	0.0000
		WLY	0.0331	-0.0570	0.0003	0.0001	0.0001	0.0000
B-1	3	D0	0.0069	-0.0032	-0.0199	0.0000	0.0000	0.0000

Company: AC INGENIERIA Engineer: ALVARO CABALLERO
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Axis	Floor	LdCase	Ux	Uy	Uz	θx	θy	θz
		DL	0.0076	-0.0006	-0.0152	-0.0001	0.0000	0.0000
		LL	0.0081	-0.0018	-0.0094	-0.0001	0.0000	0.0000
		EQX	-3.2968	-0.4639	-0.0693	-0.0005	-0.0066	0.0010
		EQY	-0.9868	-2.2668	-0.0174	0.0038	-0.0012	-0.0029
		WLX	-0.0242	-0.0118	-0.0005	0.0000	0.0000	0.0000
		WLY	-0.0082	-0.0225	-0.0002	0.0000	0.0000	0.0000
C-1	3	D0	0.0062	-0.0032	-0.0248	0.0000	0.0000	0.0000
		DL	0.0070	-0.0006	-0.0276	0.0000	0.0000	0.0000
		LL	0.0077	-0.0018	-0.0167	0.0000	0.0000	0.0000
		EQX	-3.2948	-0.4610	-0.1484	-0.0006	0.0024	0.0010
		EQY	-0.4330	-2.2719	0.0732	-0.0017	0.0022	-0.0029
		WLX	-0.0249	-0.0118	-0.0008	0.0000	0.0000	0.0000
		WLY	-0.0035	-0.0226	0.0006	0.0000	0.0000	0.0000
D-1	3	D0	0.0055	-0.0032	-0.0189	0.0000	0.0000	0.0000
		DL	0.0064	-0.0006	-0.0149	0.0000	0.0000	0.0000
		LL	0.0072	-0.0018	-0.0054	0.0000	0.0000	0.0000
		EQX	-3.2941	-0.4581	-0.1631	0.0003	-0.0044	0.0010
		EQY	0.1474	-2.2769	0.0082	0.0023	0.0000	-0.0029
		WLX	-0.0257	-0.0117	-0.0011	0.0000	0.0000	0.0000
		WLY	0.0014	-0.0226	0.0001	0.0000	0.0000	0.0000
E-1	3	D0	0.0044	-0.0032	-0.0211	0.0000	0.0000	0.0000
		DL	0.0054	-0.0006	-0.0243	0.0000	0.0001	0.0000
		LL	0.0064	-0.0018	-0.0081	0.0000	0.0000	0.0000
		EQX	-3.5901	-0.4524	-0.0758	0.0003	-0.0050	0.0010
		EQY	1.0606	-2.2869	0.0482	0.0024	0.0009	-0.0029
		WLX	-0.0297	-0.0117	-0.0004	0.0000	0.0000	0.0000
		WLY	0.0090	-0.0227	0.0004	0.0000	0.0000	0.0000
F-1	3	D0	0.0027	-0.0032	-0.0185	0.0000	0.0000	0.0000
		DL	0.0039	-0.0005	-0.0178	0.0000	0.0000	0.0000
		LL	0.0052	-0.0017	-0.0058	0.0000	0.0000	0.0000
		EQX	-4.0361	-0.4448	-0.0742	0.0004	-0.0052	0.0010
		EQY	2.4362	-2.3003	0.0491	0.0035	0.0022	-0.0029
		WLX	-0.0357	-0.0116	-0.0005	0.0000	0.0000	0.0000
		WLY	0.0206	-0.0227	0.0005	0.0000	0.0000	0.0000
B-1'	3	D0	0.0069	-0.0024	-0.0737	0.0000	-0.0002	0.0000
		DL	0.0076	0.0001	-0.0943	0.0000	-0.0004	0.0000
		LL	0.0081	-0.0012	-0.0377	0.0000	-0.0001	0.0000
		EQX	-3.2968	-0.2500	-1.5852	0.0006	-0.0060	0.0010
		EQY	-0.9868	-2.6417	-0.3496	0.0036	-0.0008	-0.0029
		WLX	-0.0242	-0.0089	-0.0110	0.0000	0.0000	0.0000
		WLY	-0.0082	-0.0246	-0.0035	0.0000	0.0000	0.0000
C-2	3	D0	0.0062	-0.0021	-0.0129	0.0000	0.0000	0.0000
		DL	0.0070	0.0004	-0.0089	0.0000	0.0000	0.0000
		LL	0.0077	-0.0010	-0.0046	0.0000	0.0000	0.0000
		EQX	-3.2948	-0.1621	-0.5182	0.0004	-0.0025	0.0010
		EQY	-0.4330	-2.7956	-0.3829	0.0021	-0.0004	-0.0029
		WLX	-0.0249	-0.0077	-0.0045	0.0000	0.0000	0.0000
		WLY	-0.0035	-0.0254	-0.0032	0.0000	0.0000	0.0000
D-2	3	D0	0.0055	-0.0021	-0.0120	0.0000	0.0000	0.0000
		DL	0.0064	0.0004	-0.0092	0.0000	0.0000	0.0000
		LL	0.0072	-0.0010	-0.0041	0.0000	0.0000	0.0000
		EQX	-3.2941	-0.1621	-0.5365	-0.0004	-0.0032	0.0010
		EQY	0.1474	-2.7956	0.3233	0.0020	0.0003	-0.0029
		WLX	-0.0257	-0.0077	-0.0031	0.0000	0.0000	0.0000
		WLY	0.0014	-0.0254	0.0030	0.0000	0.0000	0.0000
B-3	3	D0	0.0069	-0.0014	-0.0235	0.0000	0.0000	0.0000
		DL	0.0076	0.0010	-0.0211	0.0000	0.0000	0.0000
		LL	0.0081	-0.0005	-0.0153	0.0000	0.0000	0.0000
		EQX	-3.2968	0.1292	0.1088	0.0006	-0.0060	0.0010
		EQY	-0.9868	-3.1169	-0.1626	0.0036	-0.0008	-0.0029
		WLX	-0.0242	-0.0053	0.0004	0.0000	0.0000	0.0000
		WLY	-0.0082	-0.0271	-0.0014	0.0000	0.0000	0.0000
C-3	3	D0	0.0062	-0.0014	-0.0159	0.0000	0.0000	0.0000
		DL	0.0070	0.0010	-0.0128	0.0000	0.0000	0.0000
		LL	0.0077	-0.0005	-0.0085	0.0000	0.0000	0.0000
		EQX	-3.2948	0.1292	0.5047	0.0013	-0.0023	0.0010
		EQY	-0.4330	-3.1169	-0.3025	-0.0004	-0.0002	-0.0029
		WLX	-0.0249	-0.0053	0.0028	0.0000	0.0000	0.0000
		WLY	-0.0035	-0.0271	-0.0026	0.0000	0.0000	0.0000

Company: AC INGENIERIA Engineer: ALVARO CABALLERO
Project: CASA CORREGIDOR - SOGAMOSO BLOQUE NUEVO 4:20:13 p. m. 4/05/2022

Axis	Floor	LdCase	Ux	Uy	Uz	θx	θy	θz
D-3	3	D0	0.0055	-0.0014	-0.0143	0.0000	0.0000	0.0000
		DL	0.0064	0.0010	-0.0119	0.0000	0.0000	0.0000
		LL	0.0072	-0.0005	-0.0073	0.0000	0.0000	0.0000
		EQX	-3.2941	0.1292	0.4444	-0.0005	-0.0032	0.0010
		EQY	0.1474	-3.1169	0.2207	0.0035	0.0001	-0.0029
		WLX	-0.0257	-0.0053	0.0037	0.0000	0.0000	0.0000
		WLY	0.0014	-0.0271	0.0017	0.0000	0.0000	0.0000
E-3	3	D0	0.0044	-0.0014	-0.0268	0.0000	0.0000	0.0000
		DL	0.0054	0.0010	-0.0438	0.0000	0.0000	0.0000
		LL	0.0064	-0.0005	-0.0276	0.0000	0.0001	0.0000
		EQX	-3.5901	0.1292	0.1020	-0.0003	-0.0050	0.0010
		EQY	1.0606	-3.1169	0.0847	0.0027	0.0009	-0.0029
		WLX	-0.0297	-0.0053	0.0009	0.0000	0.0000	0.0000
		WLY	0.0090	-0.0271	0.0007	0.0000	0.0000	0.0000
F-3	3	D0	0.0027	-0.0014	-0.0269	0.0000	0.0000	0.0000
		DL	0.0039	0.0010	-0.0285	0.0000	0.0000	0.0000
		LL	0.0052	-0.0005	-0.0167	0.0000	0.0000	0.0000
		EQX	-4.0361	0.1292	0.0753	-0.0001	-0.0053	0.0010
		EQY	2.4362	-3.1169	-0.0623	0.0030	0.0022	-0.0029
		WLX	-0.0357	-0.0053	0.0005	0.0000	0.0000	0.0000
		WLY	0.0206	-0.0271	-0.0007	0.0000	0.0000	0.0000
G-3	3	D0	-0.0308	-0.0014	-0.0176	0.0000	-0.0001	0.0002
		DL	-0.0254	0.0010	-0.0084	0.0000	-0.0001	0.0001
		LL	-0.0088	-0.0005	-0.0050	0.0000	-0.0001	0.0001
		EQX	-4.3181	0.1297	0.0211	-0.0001	-0.0069	0.0010
		EQY	3.1794	-3.1124	0.0985	0.0034	0.0036	-0.0021
		WLX	-0.0467	-0.0050	0.0004	0.0000	-0.0001	0.0000
		WLY	0.0176	-0.0272	0.0009	0.0000	0.0000	0.0001
B-4	3	D0	0.0069	-0.0007	-0.0313	0.0001	0.0001	0.0000
		DL	0.0076	0.0017	-0.0311	0.0001	0.0001	0.0000
		LL	0.0081	0.0000	-0.0237	0.0001	0.0001	0.0000
		EQX	-3.2968	0.2218	0.7659	-0.0038	-0.0014	0.0010
		EQY	-0.9868	-3.5961	-0.5010	0.0010	0.0027	-0.0029
		WLX	-0.0242	-0.0036	0.0043	0.0000	0.0000	0.0000
		WLY	-0.0082	-0.0309	-0.0045	0.0000	0.0000	0.0000
C-4	3	D0	0.0062	-0.0007	-0.0188	0.0000	0.0000	0.0000
		DL	0.0070	0.0017	-0.0221	0.0000	0.0001	0.0000
		LL	0.0077	0.0000	-0.0149	0.0000	0.0001	0.0000
		EQX	-3.2948	0.2218	0.2945	-0.0004	-0.0041	0.0010
		EQY	-0.4330	-3.5961	-0.1516	0.0032	-0.0005	-0.0029
		WLX	-0.0249	-0.0036	0.0018	0.0000	0.0000	0.0000
		WLY	-0.0035	-0.0309	-0.0014	0.0000	0.0000	0.0000
D-4	3	D0	0.0055	-0.0007	-0.0172	0.0000	0.0000	0.0000
		DL	0.0064	0.0017	-0.0238	0.0000	0.0001	0.0000
		LL	0.0072	0.0000	-0.0147	0.0000	0.0001	0.0000
		EQX	-3.2941	0.2218	0.3558	0.0003	-0.0034	0.0010
		EQY	0.1474	-3.5961	0.1688	0.0035	0.0002	-0.0029
		WLX	-0.0257	-0.0036	0.0028	0.0000	0.0000	0.0000
		WLY	0.0014	-0.0309	0.0014	0.0000	0.0000	0.0000
E-4	3	D0	0.0044	-0.0007	-0.0425	0.0000	0.0001	0.0000
		DL	0.0054	0.0017	-0.1000	0.0000	0.0004	0.0000
		LL	0.0064	0.0000	-0.0922	0.0000	0.0004	0.0000
		EQX	-3.5901	0.2218	1.1583	-0.0003	-0.0050	0.0010
		EQY	1.0606	-3.5961	-0.1211	0.0027	0.0009	-0.0029
		WLX	-0.0297	-0.0036	0.0083	0.0000	0.0000	0.0000
		WLY	0.0090	-0.0309	-0.0023	0.0000	0.0000	0.0000
C-4a	3	D0	0.0062	0.0002	-0.0558	0.0000	0.0002	0.0000
		DL	0.0070	0.0025	-0.1435	0.0000	0.0006	0.0000
		LL	0.0077	0.0007	-0.0831	0.0000	0.0004	0.0000
		EQX	-3.2948	0.4644	1.3271	-0.0004	-0.0041	0.0010
		EQY	-0.4330	-4.3443	-0.0706	0.0032	-0.0005	-0.0029
		WLX	-0.0249	-0.0027	0.0092	0.0000	0.0000	0.0000
		WLY	-0.0035	-0.0372	-0.0009	0.0000	0.0000	0.0000
D-4a	3	D0	0.0055	0.0002	-0.0553	0.0000	0.0002	0.0000
		DL	0.0064	0.0025	-0.1878	0.0000	0.0009	0.0000
		LL	0.0072	0.0007	-0.0912	0.0000	0.0004	0.0000
		EQX	-3.2941	0.4644	1.2278	0.0003	-0.0034	0.0010
		EQY	0.1474	-4.3443	0.1380	0.0035	0.0002	-0.0029

Company: AC INGENIERIA Engineer: ALVARO CABALLERO
Project: CASA CORREGIDOR - SOGAMOSO BLOQUE NUEVO 4:20:13 p. m. 4/05/2022

Axis	Floor	LdCase	Ux	Uy	Uz	θx	θy	θz
		WLX	-0.0257	-0.0027	0.0088	0.0000	0.0000	0.0000
		WLY	0.0014	-0.0372	0.0008	0.0000	0.0000	0.0000
C-6	3	D0	0.0062	0.0013	-0.0377	0.0000	-0.0001	0.0000
		DL	0.0070	0.0034	-0.1014	0.0000	-0.0005	0.0000
		LL	0.0077	0.0014	-0.0581	0.0000	-0.0003	0.0000
		EQX	-3.2948	0.7432	-1.0203	0.0003	-0.0039	0.0010
		EQY	-0.4330	-5.2045	-0.3253	0.0032	-0.0008	-0.0029
		WLX	-0.0249	0.0045	-0.0059	0.0000	0.0000	0.0000
		WLY	-0.0035	-0.0444	-0.0051	0.0000	0.0000	0.0000
D-6	3	D0	0.0055	0.0013	-0.0368	0.0000	-0.0001	0.0000
		DL	0.0064	0.0034	-0.1323	0.0000	-0.0006	0.0000
		LL	0.0072	0.0014	-0.0639	0.0000	-0.0003	0.0000
		EQX	-3.2941	0.7432	-0.9754	-0.0006	-0.0034	0.0010
		EQY	0.1474	-5.2045	0.2231	0.0033	0.0004	-0.0029
		WLX	-0.0257	0.0045	-0.0059	0.0000	0.0000	0.0000
		WLY	0.0014	-0.0444	-0.0002	0.0000	0.0000	0.0000
B-7	3	D0	0.0046	0.0008	-0.0299	0.0001	0.0000	0.0000
		DL	0.0074	0.0032	-0.0292	0.0001	0.0000	0.0000
		LL	0.0078	0.0019	-0.0218	0.0001	0.0000	0.0000
		EQX	-3.3483	0.7031	-0.5013	0.0031	-0.0010	0.0011
		EQY	-0.8663	-6.0098	-0.6049	0.0019	-0.0033	-0.0025
		WLX	-0.0232	-0.0037	-0.0030	0.0000	0.0000	0.0000
		WLY	-0.0105	-0.0536	-0.0061	0.0000	0.0000	0.0000
C-7	3	D0	0.0056	0.0008	-0.0186	0.0000	0.0000	0.0000
		DL	0.0076	0.0032	-0.0202	0.0000	-0.0001	0.0000
		LL	0.0081	0.0019	-0.0145	0.0000	0.0000	0.0000
		EQX	-3.3547	0.7031	-0.1214	0.0003	-0.0039	0.0011
		EQY	-0.3900	-6.0098	-0.1518	0.0032	-0.0008	-0.0025
		WLX	-0.0249	-0.0037	-0.0008	0.0000	0.0000	0.0000
		WLY	-0.0039	-0.0536	-0.0014	0.0000	0.0000	0.0000
D-7	3	D0	0.0067	0.0008	-0.0179	0.0000	0.0000	0.0000
		DL	0.0079	0.0032	-0.0247	0.0000	-0.0001	0.0000
		LL	0.0084	0.0019	-0.0154	0.0000	0.0000	0.0000
		EQX	-3.3713	0.7031	-0.1795	-0.0006	-0.0035	0.0011
		EQY	0.1090	-6.0098	0.1418	0.0033	0.0004	-0.0025
		WLX	-0.0269	-0.0037	-0.0011	0.0000	0.0000	0.0000
		WLY	0.0030	-0.0536	0.0011	0.0000	0.0000	0.0000
E-7	3	D0	0.0084	0.0008	-0.0388	0.0000	-0.0001	0.0000
		DL	0.0082	0.0032	-0.0927	0.0000	-0.0003	0.0000
		LL	0.0090	0.0019	-0.0860	0.0000	-0.0004	0.0000
		EQX	-3.7204	0.7031	-0.9198	-0.0007	-0.0041	0.0011
		EQY	0.8943	-6.0098	0.3338	0.0037	0.0012	-0.0025
		WLX	-0.0331	-0.0037	-0.0056	0.0000	0.0000	0.0000
		WLY	0.0138	-0.0536	-0.0006	0.0000	0.0000	0.0000
B-8	3	D0	0.0046	-0.0003	-0.0292	0.0000	0.0000	0.0000
		DL	0.0074	0.0030	-0.0309	-0.0001	0.0001	0.0000
		LL	0.0078	0.0015	-0.0197	0.0000	0.0000	0.0000
		EQX	-3.3483	0.9396	0.0150	-0.0007	-0.0047	0.0011
		EQY	-0.8663	-6.5418	-0.0449	0.0054	-0.0016	-0.0025
		WLX	-0.0232	0.0058	0.0001	0.0000	0.0000	0.0000
		WLY	-0.0105	-0.0610	-0.0003	0.0000	0.0000	0.0000
C-8	3	D0	0.0056	-0.0003	-0.0357	0.0000	0.0002	0.0000
		DL	0.0076	0.0030	-0.0512	0.0000	0.0004	0.0000
		LL	0.0081	0.0015	-0.0278	0.0000	0.0001	0.0000
		EQX	-3.3547	0.9396	0.1172	0.0009	0.0005	0.0011
		EQY	-0.3900	-6.5418	0.0531	-0.0025	-0.0009	-0.0025
		WLX	-0.0249	0.0058	0.0008	0.0000	0.0000	0.0000
		WLY	-0.0039	-0.0610	0.0008	0.0000	0.0000	0.0000
D-8	3	D0	0.0067	-0.0003	-0.0252	0.0000	0.0000	0.0000
		DL	0.0079	0.0030	-0.0331	0.0000	0.0001	0.0000
		LL	0.0084	0.0015	-0.0178	0.0000	0.0000	0.0000
		EQX	-3.3713	0.9396	0.1309	-0.0007	-0.0029	0.0011
		EQY	0.1090	-6.5418	-0.0038	0.0035	0.0003	-0.0025
		WLX	-0.0269	0.0058	0.0008	0.0000	0.0000	0.0000
		WLY	0.0030	-0.0610	0.0001	0.0000	0.0000	0.0000
E-8	3	D0	0.0084	-0.0003	-0.0276	0.0000	0.0000	0.0000
		DL	0.0082	0.0030	-0.0465	0.0000	0.0000	0.0000
		LL	0.0090	0.0015	-0.0287	0.0000	0.0000	0.0000

Company: AC INGENIERIA Engineer: ALVARO CABALLERO
Project: CASA CORREGIDOR - SOGAMOSO BLOQUE NUEVO 4:20:13 p. m. 4/05/2022

Axis	Floor	LdCase	Ux	Uy	Uz	θx	θy	θz
		EQX	-3.7204	0.9396	-0.0518	-0.0007	-0.0041	0.0011
		EQY	0.8943	-6.5418	0.0918	0.0037	0.0012	-0.0025
		WLX	-0.0331	0.0058	-0.0004	0.0000	0.0000	0.0000
		WLY	0.0138	-0.0610	0.0007	0.0000	0.0000	0.0000
F-8	3	D0	0.0109	-0.0003	-0.0271	0.0000	0.0000	0.0000
		DL	0.0088	0.0030	-0.0290	0.0000	0.0000	0.0000
		LL	0.0098	0.0015	-0.0168	0.0000	0.0000	0.0000
		EQX	-4.2463	0.9396	-0.0671	-0.0005	-0.0048	0.0011
		EQY	2.0772	-6.5418	-0.0120	0.0038	0.0028	-0.0025
		WLX	-0.0423	0.0058	-0.0004	0.0000	0.0000	0.0000
		WLY	0.0302	-0.0610	-0.0002	0.0000	0.0000	0.0000
G-8	3	D0	0.0486	-0.0003	-0.0179	0.0000	0.0002	-0.0002
		DL	0.0394	0.0029	-0.0086	0.0000	0.0001	-0.0001
		LL	0.0237	0.0015	-0.0051	0.0000	0.0001	-0.0001
		EQX	-4.6203	0.9389	-0.0364	-0.0006	-0.0067	0.0012
		EQY	2.6906	-6.5415	0.1289	0.0041	0.0044	-0.0015
		WLX	-0.0566	0.0060	-0.0004	0.0000	-0.0001	0.0001
		WLY	0.0509	-0.0611	0.0012	0.0000	0.0001	-0.0001
B-14	3	D0	0.0046	-0.0019	-0.0939	0.0000	0.0003	0.0000
		DL	0.0074	0.0026	-0.1204	-0.0001	0.0004	0.0000
		LL	0.0078	0.0010	-0.0527	0.0000	0.0001	0.0000
		EQX	-3.3483	1.2661	1.3846	-0.0007	-0.0047	0.0011
		EQY	-0.8663	-7.2764	0.4184	0.0054	-0.0016	-0.0025
		WLX	-0.0232	0.0115	0.0076	0.0000	0.0000	0.0000
		WLY	-0.0105	-0.0711	0.0059	0.0000	0.0000	0.0000
B-9	3	D0	0.0046	-0.0029	-0.0214	0.0000	0.0000	0.0000
		DL	0.0074	0.0024	-0.0179	-0.0001	0.0000	0.0000
		LL	0.0078	0.0007	-0.0105	-0.0001	0.0000	0.0000
		EQX	-3.3483	1.4835	0.0627	-0.0013	-0.0052	0.0011
		EQY	-0.8663	-7.7652	0.0089	0.0071	-0.0014	-0.0025
		WLX	-0.0232	0.0153	0.0004	0.0000	0.0000	0.0000
		WLY	-0.0105	-0.0779	0.0001	0.0001	0.0000	0.0000
C-9	3	D0	0.0056	-0.0030	-0.0293	0.0000	-0.0003	0.0000
		DL	0.0076	0.0024	-0.0376	0.0000	-0.0007	0.0000
		LL	0.0081	0.0007	-0.0200	0.0000	-0.0003	0.0000
		EQX	-3.3547	1.4868	0.0738	0.0007	-0.0005	0.0011
		EQY	-0.3900	-7.7728	0.1345	-0.0037	0.0003	-0.0025
		WLX	-0.0249	0.0154	0.0006	0.0000	0.0000	0.0000
		WLY	-0.0039	-0.0780	0.0012	0.0000	0.0000	0.0000
D-9	3	D0	0.0067	-0.0030	-0.0227	0.0000	0.0000	0.0000
		DL	0.0079	0.0024	-0.0232	0.0000	0.0000	0.0000
		LL	0.0084	0.0007	-0.0086	0.0000	0.0000	0.0000
		EQX	-3.3713	1.4891	0.0678	-0.0009	-0.0039	0.0011
		EQY	0.1090	-7.7779	-0.0392	0.0045	0.0001	-0.0025
		WLX	-0.0269	0.0154	0.0004	0.0000	0.0000	0.0000
		WLY	0.0030	-0.0780	-0.0003	0.0000	0.0000	0.0000
E-9	3	D0	0.0084	-0.0030	-0.0218	0.0000	0.0000	0.0000
		DL	0.0082	0.0024	-0.0254	0.0000	0.0000	0.0000
		LL	0.0090	0.0007	-0.0086	0.0000	0.0000	0.0000
		EQX	-3.7204	1.4914	0.0595	-0.0010	-0.0043	0.0011
		EQY	0.8943	-7.7830	0.0601	0.0047	0.0012	-0.0025
		WLX	-0.0331	0.0154	0.0004	0.0000	0.0000	0.0000
		WLY	0.0138	-0.0781	0.0006	0.0000	0.0000	0.0000
F-9	3	D0	0.0109	-0.0030	-0.0189	0.0000	0.0000	0.0000
		DL	0.0088	0.0024	-0.0186	0.0000	0.0000	0.0000
		LL	0.0098	0.0007	-0.0062	0.0000	0.0000	0.0000
		EQX	-4.2463	1.4959	0.0693	-0.0014	-0.0048	0.0011
		EQY	2.0772	-7.7931	-0.0129	0.0071	0.0027	-0.0025
		WLX	-0.0423	0.0155	0.0005	0.0000	0.0000	0.0000
		WLY	0.0302	-0.0782	-0.0001	0.0001	0.0000	0.0000
A-1	4	D0	0.0111	-0.0053	-0.0173	0.0000	0.0000	0.0000
		DL	0.0124	-0.0008	-0.0074	-0.0001	0.0000	0.0000
		LL	0.0128	-0.0019	-0.0060	-0.0001	0.0000	0.0000
		EQX	-4.2951	-0.5935	-0.0545	0.0003	-0.0044	0.0012
		EQY	-2.2028	-2.9836	-0.0738	0.0022	-0.0012	-0.0034
		WLX	-0.0289	-0.0150	-0.0005	0.0000	0.0000	0.0000
		WLY	-0.0200	-0.0279	-0.0006	0.0000	0.0000	0.0000
B-1	4	D0	0.0092	-0.0053	-0.0224	0.0000	0.0000	0.0000

Company: AC INGENIERIA Engineer: ALVARO CABALLERO
Project: CASA CORREGIDOR - SOGAMOSO BLOQUE NUEVO 4:20:13 p. m. 4/05/2022

Axis	Floor	LdCase	Ux	Uy	Uz	θx	θy	θz
		DL	0.0104	-0.0007	-0.0167	0.0000	0.0000	0.0000
		LL	0.0115	-0.0019	-0.0103	0.0000	0.0000	0.0000
		EQX	-4.2759	-0.5864	-0.0796	0.0006	-0.0041	0.0012
		EQY	-1.1330	-2.9941	-0.0171	0.0029	-0.0005	-0.0034
		WLX	-0.0303	-0.0149	-0.0005	0.0000	0.0000	0.0000
		WLY	-0.0100	-0.0279	-0.0002	0.0000	0.0000	0.0000
C-2	4	D0	0.0092	-0.0028	-0.0144	0.0000	0.0000	0.0000
		DL	0.0108	0.0006	-0.0099	0.0000	0.0000	0.0000
		LL	0.0113	-0.0017	-0.0052	0.0000	0.0000	0.0000
		EQX	-4.1966	-0.2110	-0.4864	0.0002	-0.0021	0.0018
		EQY	-0.4977	-3.4798	-0.3480	0.0020	-0.0002	-0.0034
		WLX	-0.0308	-0.0096	-0.0040	0.0000	0.0000	0.0000
		WLY	-0.0042	-0.0311	-0.0029	0.0000	0.0000	0.0000
D-2	4	D0	0.0079	-0.0035	-0.0133	0.0000	0.0000	0.0000
		DL	0.0093	0.0000	-0.0099	0.0000	0.0000	0.0000
		LL	0.0099	-0.0020	-0.0045	0.0000	0.0000	0.0000
		EQX	-4.1966	-0.2061	-0.4942	-0.0002	-0.0035	-0.0006
		EQY	0.1750	-3.4805	0.2908	0.0020	0.0001	-0.0034
		WLX	-0.0317	-0.0095	-0.0027	0.0000	0.0000	0.0000
		WLY	0.0018	-0.0311	0.0025	0.0000	0.0000	0.0000
A-3	4	D0	0.0111	-0.0022	-0.0234	0.0000	0.0000	0.0000
		DL	0.0124	0.0025	-0.0170	-0.0001	0.0000	0.0000
		LL	0.0128	0.0001	-0.0152	-0.0001	0.0000	0.0000
		EQX	-4.2951	0.1506	0.0521	0.0002	-0.0044	0.0012
		EQY	-2.2028	-3.8887	-0.0848	0.0020	-0.0012	-0.0034
		WLX	-0.0289	-0.0071	0.0002	0.0000	0.0000	0.0000
		WLY	-0.0200	-0.0341	-0.0007	0.0000	0.0000	0.0000
B-3	4	D0	0.0092	-0.0022	-0.0264	0.0000	0.0000	0.0000
		DL	0.0104	0.0025	-0.0234	0.0000	0.0001	0.0000
		LL	0.0115	0.0001	-0.0171	0.0000	0.0000	0.0000
		EQX	-4.2759	0.1506	0.1198	-0.0003	-0.0043	0.0012
		EQY	-1.1330	-3.8887	-0.1731	0.0032	-0.0006	-0.0034
		WLX	-0.0303	-0.0071	0.0004	0.0000	0.0000	0.0000
		WLY	-0.0100	-0.0341	-0.0015	0.0000	0.0000	0.0000
C-3	4	D0	0.0085	-0.0014	-0.0174	0.0000	0.0000	0.0000
		DL	0.0101	0.0022	-0.0137	0.0000	0.0000	0.0000
		LL	0.0109	-0.0003	-0.0090	0.0000	0.0000	0.0000
		EQX	-4.2077	0.1433	0.4315	-0.0007	-0.0021	0.0008
		EQY	-0.4960	-3.8567	-0.3214	0.0061	0.0001	-0.0033
		WLX	-0.0309	-0.0067	0.0020	0.0000	0.0000	0.0000
		WLY	-0.0042	-0.0333	-0.0026	0.0001	0.0000	0.0000
D-3	4	D0	0.0074	-0.0025	-0.0163	0.0000	0.0000	0.0000
		DL	0.0087	0.0006	-0.0135	0.0000	0.0000	0.0000
		LL	0.0096	-0.0013	-0.0082	0.0000	0.0000	0.0000
		EQX	-4.2157	0.1461	0.4116	0.0001	-0.0037	0.0016
		EQY	0.1716	-3.8587	0.2316	0.0039	0.0000	-0.0042
		WLX	-0.0319	-0.0067	0.0034	0.0000	0.0000	0.0000
		WLY	0.0018	-0.0337	0.0018	0.0000	0.0000	0.0000
A-4	4	D0	0.0111	-0.0010	-0.0334	0.0000	0.0001	0.0000
		DL	0.0124	0.0039	-0.0425	-0.0001	0.0002	0.0000
		LL	0.0128	0.0010	-0.0398	-0.0001	0.0002	0.0000
		EQX	-4.2951	0.2646	0.9687	0.0002	-0.0044	0.0012
		EQY	-2.2028	-4.4466	0.1904	0.0020	-0.0012	-0.0034
		WLX	-0.0289	-0.0051	0.0057	0.0000	0.0000	0.0000
		WLY	-0.0200	-0.0391	0.0028	0.0000	0.0000	0.0000
B-4	4	D0	0.0092	-0.0010	-0.0441	0.0000	0.0001	0.0000
		DL	0.0104	0.0039	-0.0562	0.0000	0.0002	0.0000
		LL	0.0115	0.0010	-0.0483	0.0000	0.0002	0.0000
		EQX	-4.2759	0.2646	1.0126	-0.0003	-0.0043	0.0012
		EQY	-1.1330	-4.4466	-0.1653	0.0032	-0.0006	-0.0034
		WLX	-0.0303	-0.0051	0.0059	0.0000	0.0000	0.0000
		WLY	-0.0100	-0.0391	-0.0008	0.0000	0.0000	0.0000
A-7	4	D0	0.0057	-0.0001	-0.0285	0.0000	-0.0001	0.0000
		DL	0.0106	0.0022	-0.0382	-0.0001	-0.0001	0.0000
		LL	0.0100	0.0013	-0.0357	-0.0001	-0.0001	0.0000
		EQX	-4.3252	0.8286	-0.7809	-0.0002	-0.0035	0.0013
		EQY	-2.0257	-6.8483	-0.4573	0.0023	-0.0016	-0.0031
		WLX	-0.0264	-0.0037	-0.0045	0.0000	0.0000	0.0000
		WLY	-0.0234	-0.0617	-0.0037	0.0000	0.0000	0.0000

Company: AC INGENIERIA Engineer: ALVARO CABALLERO
Project: CASA CORREGIDOR - SOGAMOSO BLOQUE NUEVO 4:20:13 p. m. 4/05/2022

Axis	Floor	LdCase	Ux	Uy	Uz	θx	θy	θz
B-7	4	D0	0.0076	-0.0001	-0.0459	0.0000	-0.0001	0.0000
		DL	0.0102	0.0022	-0.0623	0.0000	-0.0002	0.0000
		LL	0.0102	0.0013	-0.0477	0.0000	-0.0002	0.0000
		EQX	-4.2833	0.8286	-0.9055	-0.0005	-0.0043	0.0013
		EQY	-1.0577	-6.8483	-0.1968	0.0038	-0.0007	-0.0031
		WLX	-0.0290	-0.0037	-0.0060	0.0000	0.0000	0.0000
		WLY	-0.0118	-0.0617	-0.0007	0.0000	0.0000	0.0000
A-8	4	D0	0.0057	-0.0013	-0.0230	0.0000	0.0000	0.0000
		DL	0.0106	0.0024	-0.0163	-0.0001	0.0000	0.0000
		LL	0.0100	0.0012	-0.0144	-0.0001	0.0000	0.0000
		EQX	-4.3252	1.0917	-0.0479	-0.0002	-0.0035	0.0013
		EQY	-2.0257	-7.5019	-0.1229	0.0023	-0.0016	-0.0031
		WLX	-0.0264	0.0065	-0.0003	0.0000	0.0000	0.0000
		WLY	-0.0234	-0.0695	-0.0010	0.0000	0.0000	0.0000
B-8	4	D0	0.0076	-0.0013	-0.0326	0.0000	0.0000	0.0000
		DL	0.0102	0.0024	-0.0339	0.0000	0.0000	0.0000
		LL	0.0102	0.0012	-0.0218	0.0000	0.0000	0.0000
		EQX	-4.2833	1.0917	0.0112	-0.0005	-0.0043	0.0013
		EQY	-1.0577	-7.5019	-0.0456	0.0038	-0.0007	-0.0031
		WLX	-0.0290	0.0065	0.0001	0.0000	0.0000	0.0000
		WLY	-0.0118	-0.0695	-0.0003	0.0000	0.0000	0.0000
A-9	4	D0	0.0057	-0.0043	-0.0172	0.0000	0.0000	0.0000
		DL	0.0106	0.0030	-0.0076	-0.0001	0.0000	0.0000
		LL	0.0100	0.0008	-0.0062	-0.0001	0.0000	0.0000
		EQX	-4.3252	1.6919	0.0653	-0.0006	-0.0035	0.0013
		EQY	-2.0257	-8.9927	-0.1060	0.0032	-0.0016	-0.0031
		WLX	-0.0264	0.0165	0.0004	0.0000	0.0000	0.0000
		WLY	-0.0234	-0.0873	-0.0009	0.0000	0.0000	0.0000
B-9	4	D0	0.0076	-0.0043	-0.0240	0.0000	0.0000	0.0000
		DL	0.0102	0.0030	-0.0197	0.0000	0.0000	0.0000
		LL	0.0102	0.0008	-0.0115	0.0000	0.0000	0.0000
		EQX	-4.2833	1.6969	0.0732	-0.0009	-0.0042	0.0013
		EQY	-1.0577	-9.0051	0.0152	0.0049	-0.0008	-0.0031
		WLX	-0.0290	0.0166	0.0005	0.0000	0.0000	0.0000
		WLY	-0.0118	-0.0875	0.0001	0.0000	0.0000	0.0000
A-1	5	D0	0.0125	-0.0050	-0.0180	0.0000	0.0000	0.0000
		DL	0.0144	0.0029	-0.0075	0.0000	0.0000	0.0000
		LL	0.0152	0.0009	-0.0060	0.0000	0.0000	0.0000
		EQX	-4.7482	-0.6469	-0.0560	0.0008	-0.0045	0.0021
		EQY	-2.3182	-3.2683	-0.0756	0.0033	-0.0011	-0.0045
		WLX	-0.0314	-0.0161	-0.0005	0.0000	0.0000	0.0000
		WLY	-0.0216	-0.0298	-0.0006	0.0000	0.0000	0.0000
B-1	5	D0	0.0118	-0.0062	-0.0231	0.0000	0.0000	0.0000
		DL	0.0142	-0.0028	-0.0170	0.0000	0.0000	0.0000
		LL	0.0147	-0.0051	-0.0104	0.0000	0.0000	0.0000
		EQX	-4.6620	-0.6438	-0.0826	0.0005	-0.0036	0.0013
		EQY	-1.1817	-3.2631	-0.0186	0.0025	-0.0005	-0.0035
		WLX	-0.0326	-0.0158	-0.0005	0.0000	0.0000	0.0000
		WLY	-0.0107	-0.0298	-0.0002	0.0000	0.0000	0.0000
C-1	5	D0	0.0104	-0.0062	-0.0273	0.0000	0.0000	0.0000
		DL	0.0124	-0.0027	-0.0235	0.0000	0.0001	0.0000
		LL	0.0131	-0.0051	-0.0095	0.0000	0.0000	0.0000
		EQX	-4.6537	-0.6399	-0.1465	-0.0008	0.0019	0.0013
		EQY	-0.5200	-3.2684	0.0173	-0.0013	0.0015	-0.0035
		WLX	-0.0336	-0.0157	-0.0011	0.0000	0.0000	0.0000
		WLY	-0.0045	-0.0298	0.0002	0.0000	0.0000	0.0000
D-1	5	D0	0.0089	-0.0062	-0.0222	0.0000	0.0000	0.0000
		DL	0.0106	-0.0027	-0.0171	0.0000	0.0000	0.0000
		LL	0.0114	-0.0051	-0.0061	0.0000	0.0000	0.0000
		EQX	-4.6457	-0.6361	-0.1892	0.0005	-0.0036	0.0013
		EQY	0.1734	-3.2738	0.0085	0.0021	-0.0001	-0.0035
		WLX	-0.0347	-0.0157	-0.0013	0.0000	0.0000	0.0000
		WLY	0.0019	-0.0299	0.0001	0.0000	0.0000	0.0000
E-1	5	D0	0.0065	-0.0061	-0.0249	0.0000	0.0000	0.0000
		DL	0.0077	-0.0026	-0.0278	0.0000	0.0001	0.0000
		LL	0.0087	-0.0050	-0.0093	0.0000	0.0001	0.0000
		EQX	-5.0445	-0.6283	-0.0881	0.0005	-0.0043	0.0013
		EQY	1.2645	-3.2845	0.0548	0.0022	0.0005	-0.0035

Company: AC INGENIERIA Engineer: ALVARO CABALLERO
Project: CASA CORREGIDOR - SOGAMOSO BLOQUE NUEVO 4:20:13 p. m. 4/05/2022

Axis	Floor	LdCase	Ux	Uy	Uz	θx	θy	θz
		WLX	-0.0398	-0.0156	-0.0005	0.0000	0.0000	0.0000
		WLY	0.0120	-0.0299	0.0005	0.0000	0.0000	0.0000
F-1	5	D0	0.0029	-0.0061	-0.0216	0.0000	0.0000	0.0000
		DL	0.0033	-0.0026	-0.0200	0.0000	0.0001	0.0000
		LL	0.0047	-0.0049	-0.0064	0.0000	0.0000	0.0000
		EQX	-5.6453	-0.6180	-0.0864	0.0006	-0.0050	0.0013
		EQY	2.9082	-3.2988	0.0568	0.0027	0.0012	-0.0035
		WLX	-0.0476	-0.0154	-0.0006	0.0000	0.0000	0.0000
		WLY	0.0272	-0.0300	0.0006	0.0000	0.0000	0.0000
C-2	5	D0	0.0104	-0.0038	-0.0153	0.0000	0.0000	0.0000
		DL	0.0124	0.0002	-0.0109	0.0000	0.0000	0.0000
		LL	0.0131	-0.0024	-0.0057	0.0000	0.0000	0.0000
		EQX	-4.6537	-0.2373	-0.4608	-0.0001	-0.0016	0.0013
		EQY	-0.5200	-3.8270	-0.3210	0.0019	-0.0001	-0.0035
		WLX	-0.0336	-0.0105	-0.0037	0.0000	0.0000	0.0000
		WLY	-0.0045	-0.0339	-0.0026	0.0000	0.0000	0.0000
D-2	5	D0	0.0089	-0.0038	-0.0140	0.0000	0.0000	0.0000
		DL	0.0106	0.0002	-0.0108	0.0000	0.0000	0.0000
		LL	0.0114	-0.0024	-0.0049	0.0000	0.0000	0.0000
		EQX	-4.6457	-0.2373	-0.4542	0.0002	-0.0028	0.0013
		EQY	0.1734	-3.8270	0.2625	0.0019	-0.0001	-0.0035
		WLX	-0.0347	-0.0105	-0.0025	0.0000	0.0000	0.0000
		WLY	0.0019	-0.0339	0.0022	0.0000	0.0000	0.0000
A-3	5	D0	0.0089	-0.0031	-0.0245	0.0000	0.0000	0.0000
		DL	0.0111	0.0059	-0.0175	0.0000	0.0000	0.0000
		LL	0.0106	0.0028	-0.0156	0.0000	0.0000	0.0000
		EQX	-4.7455	0.1427	0.0536	0.0000	-0.0045	0.0021
		EQY	-2.3234	-4.1586	-0.0871	0.0032	-0.0011	-0.0045
		WLX	-0.0314	-0.0081	0.0002	0.0000	0.0000	0.0000
		WLY	-0.0216	-0.0371	-0.0007	0.0000	0.0000	0.0000
B-3	5	D0	0.0118	-0.0023	-0.0272	0.0000	0.0000	0.0000
		DL	0.0142	0.0020	-0.0238	0.0000	0.0000	0.0000
		LL	0.0147	-0.0008	-0.0173	0.0000	0.0000	0.0000
		EQX	-4.6620	0.1618	0.1233	0.0002	-0.0035	0.0013
		EQY	-1.1817	-4.1696	-0.1810	0.0023	-0.0003	-0.0035
		WLX	-0.0326	-0.0074	0.0004	0.0000	0.0000	0.0000
		WLY	-0.0107	-0.0364	-0.0015	0.0000	0.0000	0.0000
C-3	5	D0	0.0104	-0.0023	-0.0186	0.0000	0.0000	0.0000
		DL	0.0124	0.0020	-0.0148	0.0000	0.0000	0.0000
		LL	0.0131	-0.0008	-0.0098	0.0000	0.0000	0.0000
		EQX	-4.6537	0.1618	0.3583	0.0011	-0.0013	0.0013
		EQY	-0.5200	-4.1696	-0.2970	0.0004	-0.0002	-0.0035
		WLX	-0.0336	-0.0074	0.0016	0.0000	0.0000	0.0000
		WLY	-0.0045	-0.0364	-0.0023	0.0000	0.0000	0.0000
D-3	5	D0	0.0089	-0.0023	-0.0171	0.0000	0.0000	0.0000
		DL	0.0106	0.0020	-0.0143	0.0000	0.0000	0.0000
		LL	0.0114	-0.0008	-0.0087	0.0000	0.0000	0.0000
		EQX	-4.6457	0.1618	0.3861	-0.0003	-0.0032	0.0013
		EQY	0.1734	-4.1696	0.2302	0.0026	0.0000	-0.0035
		WLX	-0.0347	-0.0074	0.0032	0.0000	0.0000	0.0000
		WLY	0.0019	-0.0364	0.0018	0.0000	0.0000	0.0000
E-3	5	D0	0.0065	-0.0023	-0.0319	0.0000	0.0000	0.0000
		DL	0.0077	0.0020	-0.0505	0.0000	0.0000	0.0000
		LL	0.0087	-0.0008	-0.0319	0.0000	0.0000	0.0000
		EQX	-5.0445	0.1618	0.1181	-0.0002	-0.0044	0.0013
		EQY	1.2645	-4.1696	0.0997	0.0019	0.0005	-0.0035
		WLX	-0.0398	-0.0074	0.0011	0.0000	0.0000	0.0000
		WLY	0.0120	-0.0364	0.0008	0.0000	0.0000	0.0000
F-3	5	D0	0.0029	-0.0023	-0.0323	0.0000	0.0000	0.0000
		DL	0.0033	0.0020	-0.0329	0.0000	-0.0001	0.0000
		LL	0.0047	-0.0008	-0.0196	0.0000	-0.0001	0.0000
		EQX	-5.6453	0.1618	0.0884	-0.0001	-0.0050	0.0013
		EQY	2.9082	-4.1696	-0.0687	0.0022	0.0012	-0.0035
		WLX	-0.0476	-0.0074	0.0006	0.0000	0.0000	0.0000
		WLY	0.0272	-0.0364	-0.0007	0.0000	0.0000	0.0000
G-3	5	D0	-0.0586	-0.0023	-0.0208	0.0000	0.0000	0.0003
		DL	-0.0346	0.0021	-0.0093	0.0000	0.0000	0.0002
		LL	-0.0206	-0.0007	-0.0056	0.0000	0.0000	0.0001

Company: AC INGENIERIA Engineer: ALVARO CABALLERO
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Axis	Floor	LdCase	Ux	Uy	Uz	θx	θy	θz
		EQX	-6.1422	0.1609	0.0221	-0.0001	-0.0060	0.0019
		EQY	3.9848	-4.1693	0.1123	0.0025	0.0023	-0.0034
		WLX	-0.0611	-0.0072	0.0004	0.0000	0.0000	0.0001
		WLY	0.0279	-0.0365	0.0010	0.0000	0.0001	0.0000
B-4	5	D0	0.0118	-0.0007	-0.0371	0.0001	0.0001	0.0000
		DL	0.0142	0.0039	-0.0398	0.0001	0.0001	0.0000
		LL	0.0147	0.0010	-0.0291	0.0001	0.0001	0.0000
		EQX	-4.6620	0.2799	0.6098	-0.0024	-0.0016	0.0013
		EQY	-1.1817	-4.7096	-0.4371	0.0007	0.0019	-0.0035
		WLX	-0.0326	-0.0049	0.0033	0.0000	0.0000	0.0000
		WLY	-0.0107	-0.0408	-0.0037	0.0000	0.0000	0.0000
C-4	5	D0	0.0104	-0.0007	-0.0221	0.0000	0.0000	0.0000
		DL	0.0124	0.0039	-0.0258	0.0000	0.0001	0.0000
		LL	0.0131	0.0010	-0.0175	0.0000	0.0001	0.0000
		EQX	-4.6537	0.2799	0.3317	-0.0002	-0.0037	0.0013
		EQY	-0.5200	-4.7096	-0.1636	0.0028	-0.0003	-0.0035
		WLX	-0.0336	-0.0049	0.0020	0.0000	0.0000	0.0000
		WLY	-0.0045	-0.0408	-0.0015	0.0000	0.0000	0.0000
D-4	5	D0	0.0089	-0.0007	-0.0203	0.0000	0.0000	0.0000
		DL	0.0106	0.0039	-0.0279	0.0000	0.0001	0.0000
		LL	0.0114	0.0010	-0.0174	0.0000	0.0001	0.0000
		EQX	-4.6457	0.2799	0.4098	-0.0002	-0.0028	0.0013
		EQY	0.1734	-4.7096	0.1842	0.0031	0.0001	-0.0035
		WLX	-0.0347	-0.0049	0.0031	0.0000	0.0000	0.0000
		WLY	0.0019	-0.0408	0.0016	0.0000	0.0000	0.0000
E-4	5	D0	0.0065	-0.0007	-0.0431	0.0000	0.0001	0.0000
		DL	0.0077	0.0039	-0.0962	0.0000	0.0003	0.0000
		LL	0.0087	0.0010	-0.0893	0.0000	0.0004	0.0000
		EQX	-5.0445	0.2799	1.0393	-0.0002	-0.0044	0.0013
		EQY	1.2645	-4.7096	0.1063	0.0019	0.0005	-0.0035
		WLX	-0.0398	-0.0049	0.0076	0.0000	0.0000	0.0000
		WLY	0.0120	-0.0408	-0.0011	0.0000	0.0000	0.0000
C-4a	5	D0	0.0104	0.0012	-0.0609	0.0000	0.0002	0.0000
		DL	0.0124	0.0063	-0.1652	0.0000	0.0007	0.0000
		LL	0.0131	0.0032	-0.0908	0.0000	0.0004	0.0000
		EQX	-4.6537	0.6067	1.2621	-0.0002	-0.0037	0.0013
		EQY	-0.5200	-5.6036	-0.1572	0.0028	-0.0003	-0.0035
		WLX	-0.0336	-0.0035	0.0079	0.0000	0.0000	0.0000
		WLY	-0.0045	-0.0491	-0.0012	0.0000	0.0000	0.0000
D-4a	5	D0	0.0089	0.0012	-0.0595	0.0000	0.0002	0.0000
		DL	0.0106	0.0063	-0.1990	0.0000	0.0009	0.0000
		LL	0.0114	0.0032	-0.0956	0.0000	0.0004	0.0000
		EQX	-4.6457	0.6067	1.1334	-0.0002	-0.0028	0.0013
		EQY	0.1734	-5.6036	0.1729	0.0031	0.0001	-0.0035
		WLX	-0.0347	-0.0035	0.0078	0.0000	0.0000	0.0000
		WLY	0.0019	-0.0491	0.0014	0.0000	0.0000	0.0000
C-6	5	D0	0.0104	0.0034	-0.0412	0.0000	-0.0001	0.0000
		DL	0.0124	0.0090	-0.1065	0.0000	-0.0005	0.0000
		LL	0.0131	0.0057	-0.0588	0.0000	-0.0003	0.0000
		EQX	-4.6537	0.9823	-1.0736	0.0000	-0.0040	0.0013
		EQY	-0.5200	-6.6314	-0.2383	0.0025	-0.0004	-0.0035
		WLX	-0.0336	0.0052	-0.0070	0.0000	0.0000	0.0000
		WLY	-0.0045	-0.0586	-0.0015	0.0000	0.0000	0.0000
D-6	5	D0	0.0089	0.0034	-0.0405	0.0000	-0.0001	0.0000
		DL	0.0106	0.0090	-0.1386	0.0000	-0.0006	0.0000
		LL	0.0114	0.0057	-0.0657	0.0000	-0.0003	0.0000
		EQX	-4.6457	0.9823	-0.9933	-0.0002	-0.0034	0.0013
		EQY	0.1734	-6.6314	0.2196	0.0028	0.0003	-0.0035
		WLX	-0.0347	0.0052	-0.0064	0.0000	0.0000	0.0000
		WLY	0.0019	-0.0586	0.0016	0.0000	0.0000	0.0000
B-7	5	D0	0.0073	0.0020	-0.0377	0.0001	0.0000	0.0000
		DL	0.0091	0.0081	-0.0409	0.0001	0.0000	0.0000
		LL	0.0098	0.0043	-0.0282	0.0001	0.0000	0.0000
		EQX	-4.6762	0.8040	-0.4477	0.0026	-0.0013	0.0014
		EQY	-1.1338	-7.1307	-0.4162	0.0007	-0.0024	-0.0034
		WLX	-0.0316	-0.0037	-0.0030	0.0000	0.0000	0.0000
		WLY	-0.0121	-0.0639	-0.0034	0.0000	0.0000	0.0000
C-7	5	D0	0.0091	0.0020	-0.0220	0.0000	0.0000	0.0000

Company: AC INGENIERIA Engineer: ALVARO CABALLERO
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Axis	Floor	LdCase	Ux	Uy	Uz	θx	θy	θz
		DL	0.0107	0.0081	-0.0240	0.0000	-0.0001	0.0000
		LL	0.0115	0.0043	-0.0172	0.0000	0.0000	0.0000
		EQX	-4.6729	0.8040	-0.1397	0.0000	-0.0040	0.0014
		EQY	-0.5035	-7.1307	-0.1563	0.0025	-0.0004	-0.0034
		WLX	-0.0333	-0.0037	-0.0009	0.0000	0.0000	0.0000
		WLY	-0.0049	-0.0639	-0.0015	0.0000	0.0000	0.0000
D-7	5	D0	0.0110	0.0020	-0.0213	0.0000	0.0000	0.0000
		DL	0.0123	0.0081	-0.0294	0.0000	-0.0001	0.0000
		LL	0.0132	0.0043	-0.0184	0.0000	0.0000	0.0000
		EQX	-4.6809	0.8040	-0.2028	-0.0002	-0.0034	0.0014
		EQY	0.1568	-7.1307	0.1430	0.0028	0.0003	-0.0034
		WLX	-0.0352	-0.0037	-0.0013	0.0000	0.0000	0.0000
		WLY	0.0026	-0.0639	0.0011	0.0000	0.0000	0.0000
E-7	5	D0	0.0140	0.0020	-0.0390	0.0000	-0.0001	0.0000
		DL	0.0148	0.0081	-0.0996	0.0000	-0.0003	0.0000
		LL	0.0160	0.0043	-0.0921	0.0000	-0.0004	0.0000
		EQX	-5.1282	0.8040	-0.9304	-0.0004	-0.0042	0.0014
		EQY	1.1960	-7.1307	0.2532	0.0024	0.0007	-0.0034
		WLX	-0.0418	-0.0037	-0.0058	0.0000	0.0000	0.0000
		WLY	0.0144	-0.0639	0.0011	0.0000	0.0000	0.0000
A-8	5	D0	0.0106	-0.0010	-0.0240	0.0000	0.0001	0.0000
		DL	0.0144	0.0079	-0.0168	0.0000	0.0001	0.0000
		LL	0.0143	0.0050	-0.0148	0.0000	0.0001	0.0000
		EQX	-4.7169	1.1099	-0.0495	-0.0002	-0.0042	0.0021
		EQY	-2.1840	-7.7815	-0.1250	0.0031	-0.0015	-0.0042
		WLX	-0.0287	0.0064	-0.0003	0.0000	0.0000	0.0000
		WLY	-0.0243	-0.0720	-0.0010	0.0000	0.0000	0.0000
B-8	5	D0	0.0073	0.0000	-0.0336	0.0000	0.0000	0.0000
		DL	0.0091	0.0064	-0.0348	-0.0001	0.0000	0.0000
		LL	0.0098	0.0024	-0.0222	0.0000	0.0000	0.0000
		EQX	-4.6762	1.1070	0.0117	0.0004	-0.0035	0.0014
		EQY	-1.1338	-7.8346	-0.0488	0.0028	-0.0008	-0.0034
		WLX	-0.0316	0.0070	0.0001	0.0000	0.0000	0.0000
		WLY	-0.0121	-0.0720	-0.0004	0.0000	0.0000	0.0000
C-8	5	D0	0.0091	0.0000	-0.0403	0.0000	0.0002	0.0000
		DL	0.0107	0.0064	-0.0603	0.0000	0.0005	0.0000
		LL	0.0115	0.0024	-0.0315	0.0000	0.0001	0.0000
		EQX	-4.6729	1.1070	0.1459	0.0007	0.0003	0.0014
		EQY	-0.5035	-7.8346	-0.0336	-0.0014	-0.0007	-0.0034
		WLX	-0.0333	0.0070	0.0008	0.0000	0.0000	0.0000
		WLY	-0.0049	-0.0720	-0.0006	0.0000	0.0000	0.0000
D-8	5	D0	0.0110	0.0000	-0.0297	0.0000	0.0000	0.0000
		DL	0.0123	0.0064	-0.0379	0.0000	0.0001	0.0000
		LL	0.0132	0.0024	-0.0204	0.0000	0.0000	0.0000
		EQX	-4.6809	1.1070	0.1468	-0.0004	-0.0029	0.0014
		EQY	0.1568	-7.8346	-0.0013	0.0024	0.0003	-0.0034
		WLX	-0.0352	0.0070	0.0009	0.0000	0.0000	0.0000
		WLY	0.0026	-0.0720	0.0001	0.0000	0.0000	0.0000
E-8	5	D0	0.0140	0.0000	-0.0328	0.0000	0.0000	0.0000
		DL	0.0148	0.0064	-0.0537	0.0000	0.0001	0.0000
		LL	0.0160	0.0024	-0.0333	0.0000	0.0000	0.0000
		EQX	-5.1282	1.1070	-0.0579	-0.0004	-0.0042	0.0014
		EQY	1.1960	-7.8346	0.1016	0.0024	0.0007	-0.0034
		WLX	-0.0418	0.0070	-0.0004	0.0000	0.0000	0.0000
		WLY	0.0144	-0.0720	0.0008	0.0000	0.0000	0.0000
F-8	5	D0	0.0185	0.0000	-0.0326	0.0000	0.0001	0.0000
		DL	0.0187	0.0064	-0.0335	0.0000	0.0001	0.0000
		LL	0.0202	0.0024	-0.0197	0.0000	0.0001	0.0000
		EQX	-5.8021	1.1070	-0.0790	-0.0002	-0.0047	0.0014
		EQY	2.7615	-7.8346	-0.0126	0.0024	0.0017	-0.0034
		WLX	-0.0518	0.0070	-0.0005	0.0000	0.0000	0.0000
		WLY	0.0322	-0.0720	-0.0003	0.0000	0.0000	0.0000
G-8	5	D0	0.0841	0.0001	-0.0211	0.0000	0.0000	-0.0003
		DL	0.0565	0.0065	-0.0094	0.0000	0.0000	-0.0002
		LL	0.0435	0.0025	-0.0056	0.0000	0.0000	-0.0001
		EQX	-6.3480	1.1053	-0.0381	-0.0002	-0.0055	0.0018
		EQY	3.7908	-7.8293	0.1414	0.0028	0.0034	-0.0030
		WLX	-0.0681	0.0072	-0.0004	0.0000	0.0000	0.0001
		WLY	0.0562	-0.0720	0.0013	0.0000	0.0000	-0.0001

Company: AC INGENIERIA Engineer: ALVARO CABALLERO
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Axis	Floor	LdCase	Ux	Uy	Uz	θx	θy	θz
A-9	5	D0	0.0068	-0.0031	-0.0178	0.0000	0.0000	0.0000
		DL	0.0114	0.0085	-0.0077	0.0000	0.0000	0.0000
		LL	0.0103	0.0048	-0.0062	0.0000	0.0000	0.0000
		EQX	-4.7183	1.7678	0.0669	-0.0009	-0.0042	0.0021
		EQY	-2.1857	-9.3755	-0.1075	0.0043	-0.0016	-0.0042
		WLX	-0.0287	0.0164	0.0004	0.0000	0.0000	0.0000
		WLY	-0.0243	-0.0905	-0.0009	0.0000	0.0000	0.0000
B-9	5	D0	0.0073	-0.0046	-0.0248	0.0000	0.0000	0.0000
		DL	0.0091	0.0024	-0.0202	0.0000	0.0000	0.0000
		LL	0.0098	-0.0019	-0.0117	0.0000	0.0000	0.0000
		EQX	-4.6762	1.8040	0.0759	-0.0010	-0.0036	0.0014
		EQY	-1.1338	-9.4537	0.0135	0.0039	-0.0007	-0.0034
		WLX	-0.0316	0.0173	0.0005	0.0000	0.0000	0.0000
		WLY	-0.0121	-0.0904	0.0001	0.0000	0.0000	0.0000
C-9	5	D0	0.0091	-0.0047	-0.0323	0.0000	-0.0003	0.0000
		DL	0.0107	0.0024	-0.0351	0.0000	-0.0009	0.0000
		LL	0.0115	-0.0019	-0.0139	0.0000	-0.0003	0.0000
		EQX	-4.6729	1.8083	0.0603	0.0005	-0.0002	0.0014
		EQY	-0.5035	-9.4638	0.0432	-0.0023	0.0002	-0.0034
		WLX	-0.0333	0.0174	0.0003	0.0000	0.0000	0.0000
		WLY	-0.0049	-0.0905	0.0002	0.0000	0.0000	0.0000
D-9	5	D0	0.0110	-0.0047	-0.0267	0.0000	0.0000	0.0000
		DL	0.0123	0.0024	-0.0266	0.0000	-0.0001	0.0000
		LL	0.0132	-0.0019	-0.0099	0.0000	0.0000	0.0000
		EQX	-4.6809	1.8112	0.0790	-0.0005	-0.0040	0.0014
		EQY	0.1568	-9.4705	-0.0427	0.0030	0.0002	-0.0034
		WLX	-0.0352	0.0175	0.0005	0.0000	0.0000	0.0000
		WLY	0.0026	-0.0906	-0.0003	0.0000	0.0000	0.0000
E-9	5	D0	0.0140	-0.0047	-0.0257	0.0000	0.0000	0.0000
		DL	0.0148	0.0023	-0.0291	0.0000	-0.0001	0.0000
		LL	0.0160	-0.0019	-0.0099	0.0000	0.0000	0.0000
		EQX	-5.1282	1.8141	0.0698	-0.0006	-0.0042	0.0014
		EQY	1.1960	-9.4772	0.0656	0.0032	0.0008	-0.0034
		WLX	-0.0418	0.0175	0.0005	0.0000	0.0000	0.0000
		WLY	0.0144	-0.0906	0.0006	0.0000	0.0000	0.0000
F-9	5	D0	0.0185	-0.0047	-0.0221	0.0000	0.0000	0.0000
		DL	0.0187	0.0023	-0.0209	0.0000	-0.0001	0.0000
		LL	0.0202	-0.0020	-0.0070	0.0000	0.0000	0.0000
		EQX	-5.8021	1.8198	0.0801	-0.0007	-0.0047	0.0014
		EQY	2.7615	-9.4906	-0.0077	0.0038	0.0017	-0.0034
		WLX	-0.0518	0.0176	0.0006	0.0000	0.0000	0.0000
		WLY	0.0322	-0.0908	0.0001	0.0000	0.0000	0.0000
A-1	6	D0	0.0147	-0.0055	-0.0194	0.0000	0.0000	0.0000
		DL	0.0192	-0.0001	-0.0078	0.0000	0.0000	0.0000
		LL	0.0187	-0.0035	-0.0061	0.0000	0.0000	0.0000
		EQX	-5.7322	-0.8444	-0.0598	0.0004	-0.0024	0.0017
		EQY	-2.5352	-4.0444	-0.0801	0.0015	-0.0005	-0.0039
		WLX	-0.0359	-0.0194	-0.0006	0.0000	0.0000	0.0000
		WLY	-0.0248	-0.0351	-0.0007	0.0000	0.0000	0.0000
B-1	6	D0	0.0145	-0.0055	-0.0249	0.0000	0.0000	0.0000
		DL	0.0184	0.0000	-0.0174	0.0000	0.0000	0.0000
		LL	0.0183	-0.0035	-0.0105	0.0000	0.0000	0.0000
		EQX	-5.7114	-0.8342	-0.0876	-0.0003	-0.0031	0.0017
		EQY	-1.3248	-4.0541	-0.0184	0.0012	-0.0004	-0.0039
		WLX	-0.0385	-0.0192	-0.0006	0.0000	0.0000	0.0000
		WLY	-0.0128	-0.0351	-0.0002	0.0000	0.0000	0.0000
C-1	6	D0	0.0144	-0.0055	-0.0298	0.0000	0.0000	0.0000
		DL	0.0179	0.0000	-0.0191	0.0000	0.0000	0.0000
		LL	0.0181	-0.0035	-0.0097	0.0000	0.0000	0.0000
		EQX	-5.6988	-0.8290	-0.1671	-0.0006	0.0016	0.0017
		EQY	-0.5931	-4.0589	-0.0167	-0.0007	0.0012	-0.0039
		WLX	-0.0400	-0.0192	-0.0011	0.0000	0.0000	0.0000
		WLY	-0.0055	-0.0352	-0.0001	0.0000	0.0000	0.0000
D-1	6	D0	0.0142	-0.0055	-0.0238	0.0000	0.0000	0.0000
		DL	0.0174	0.0000	-0.0174	0.0000	0.0000	0.0000
		LL	0.0178	-0.0035	-0.0063	0.0000	0.0000	0.0000
		EQX	-5.6968	-0.8239	-0.1999	0.0004	-0.0023	0.0017
		EQY	0.1736	-4.0637	0.0084	0.0014	-0.0002	-0.0039

Company: AC INGENIERIA Engineer: ALVARO CABALLERO
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Axis	Floor	LdCase	Ux	Uy	Uz	θx	θy	θz
		WLX	-0.0417	-0.0191	-0.0014	0.0000	0.0000	0.0000
		WLY	0.0021	-0.0352	0.0001	0.0000	0.0000	0.0000
E-1	6	D0	0.0140	-0.0055	-0.0267	0.0000	0.0000	0.0000
		DL	0.0166	0.0000	-0.0282	0.0000	0.0000	0.0000
		LL	0.0174	-0.0035	-0.0095	0.0000	0.0000	0.0000
		EQX	-6.2273	-0.8136	-0.0930	0.0004	-0.0034	0.0017
		EQY	1.3801	-4.0733	0.0566	0.0013	0.0003	-0.0039
		WLX	-0.0486	-0.0190	-0.0005	0.0000	0.0000	0.0000
		WLY	0.0140	-0.0353	0.0005	0.0000	0.0000	0.0000
F-1	6	D0	0.0137	-0.0055	-0.0230	0.0000	0.0000	0.0000
		DL	0.0155	0.0000	-0.0202	0.0000	0.0000	0.0000
		LL	0.0167	-0.0035	-0.0064	0.0000	0.0000	0.0000
		EQX	-7.0265	-0.7999	-0.0914	0.0004	-0.0039	0.0017
		EQY	3.1976	-4.0861	0.0596	0.0020	0.0008	-0.0039
		WLX	-0.0589	-0.0188	-0.0006	0.0000	0.0000	0.0000
		WLY	0.0321	-0.0354	0.0006	0.0000	0.0000	0.0000
C-2	6	D0	0.0144	-0.0053	-0.0167	0.0000	0.0000	0.0000
		DL	0.0179	0.0008	-0.0111	0.0000	0.0000	0.0000
		LL	0.0181	-0.0031	-0.0060	0.0000	0.0000	0.0000
		EQX	-5.6988	-0.2933	-0.4310	-0.0001	-0.0013	0.0017
		EQY	-0.5931	-4.5600	-0.2871	0.0018	0.0001	-0.0039
		WLX	-0.0400	-0.0122	-0.0034	0.0000	0.0000	0.0000
		WLY	-0.0055	-0.0398	-0.0024	0.0000	0.0000	0.0000
D-2	6	D0	0.0142	-0.0053	-0.0153	0.0000	0.0000	0.0000
		DL	0.0174	0.0008	-0.0109	0.0000	0.0000	0.0000
		LL	0.0178	-0.0031	-0.0050	0.0000	0.0000	0.0000
		EQX	-5.6968	-0.2933	-0.4093	0.0003	-0.0025	0.0017
		EQY	0.1736	-4.5600	0.2276	0.0017	-0.0002	-0.0039
		WLX	-0.0417	-0.0122	-0.0023	0.0000	0.0000	0.0000
		WLY	0.0021	-0.0398	0.0019	0.0000	0.0000	0.0000
A-3	6	D0	0.0147	-0.0052	-0.0269	0.0000	0.0001	0.0000
		DL	0.0192	0.0012	-0.0188	0.0000	0.0001	0.0000
		LL	0.0187	-0.0028	-0.0167	0.0000	0.0002	0.0000
		EQX	-5.7322	0.1601	0.0575	0.0000	-0.0025	0.0017
		EQY	-2.5352	-4.8675	-0.0929	0.0012	0.0005	-0.0039
		WLX	-0.0359	-0.0080	0.0002	0.0000	0.0000	0.0000
		WLY	-0.0248	-0.0426	-0.0008	0.0000	0.0000	0.0000
B-3	6	D0	0.0145	-0.0052	-0.0292	0.0000	0.0000	0.0000
		DL	0.0184	0.0012	-0.0245	0.0000	0.0000	0.0000
		LL	0.0183	-0.0028	-0.0176	0.0000	0.0000	0.0000
		EQX	-5.7114	0.1601	0.1276	0.0004	-0.0027	0.0017
		EQY	-1.3248	-4.8675	-0.1889	0.0006	0.0004	-0.0039
		WLX	-0.0385	-0.0080	0.0004	0.0000	0.0000	0.0000
		WLY	-0.0128	-0.0426	-0.0016	0.0000	0.0000	0.0000
C-3	6	D0	0.0144	-0.0052	-0.0204	0.0000	0.0000	0.0000
		DL	0.0179	0.0012	-0.0160	0.0000	0.0000	0.0000
		LL	0.0181	-0.0028	-0.0101	0.0000	0.0000	0.0000
		EQX	-5.6988	0.1601	0.2900	0.0009	-0.0010	0.0017
		EQY	-0.5931	-4.8675	-0.2867	0.0010	-0.0002	-0.0039
		WLX	-0.0400	-0.0080	0.0011	0.0000	0.0000	0.0000
		WLY	-0.0055	-0.0426	-0.0022	0.0000	0.0000	0.0000
D-3	6	D0	0.0142	-0.0052	-0.0187	0.0000	0.0000	0.0000
		DL	0.0174	0.0012	-0.0156	0.0000	0.0000	0.0000
		LL	0.0178	-0.0028	-0.0094	0.0000	0.0000	0.0000
		EQX	-5.6968	0.1601	0.3460	-0.0002	-0.0027	0.0017
		EQY	0.1736	-4.8675	0.2286	0.0020	0.0000	-0.0039
		WLX	-0.0417	-0.0080	0.0029	0.0000	0.0000	0.0000
		WLY	0.0021	-0.0426	0.0018	0.0000	0.0000	0.0000
E-3	6	D0	0.0140	-0.0052	-0.0346	0.0000	0.0001	0.0000
		DL	0.0166	0.0012	-0.0520	0.0000	0.0002	0.0000
		LL	0.0174	-0.0028	-0.0331	0.0000	0.0002	0.0000
		EQX	-6.2273	0.1601	0.1242	-0.0003	-0.0032	0.0017
		EQY	1.3801	-4.8675	0.1065	0.0009	-0.0004	-0.0039
		WLX	-0.0486	-0.0080	0.0011	0.0000	0.0000	0.0000
		WLY	0.0140	-0.0426	0.0009	0.0000	0.0000	0.0000
F-3	6	D0	0.0137	-0.0052	-0.0357	0.0000	0.0002	0.0000
		DL	0.0155	0.0012	-0.0352	0.0000	0.0003	0.0000
		LL	0.0167	-0.0028	-0.0215	0.0000	0.0003	0.0000

Axis	Floor	LdCase	Ux	Uy	Uz	θx	θy	θz
		EQX	-7.0265	0.1601	0.0939	-0.0001	-0.0039	0.0017
		EQY	3.1976	-4.8675	-0.0707	0.0013	0.0008	-0.0039
		WLX	-0.0589	-0.0080	0.0006	0.0000	0.0000	0.0000
		WLY	0.0321	-0.0426	-0.0008	0.0000	0.0000	0.0000
G-3	6	D0	0.0134	-0.0052	-0.0227	0.0000	0.0006	0.0000
		DL	0.0146	0.0012	-0.0099	0.0000	0.0004	0.0000
		LL	0.0163	-0.0028	-0.0060	0.0000	0.0003	0.0000
		EQX	-7.5862	0.1601	0.0224	-0.0002	-0.0050	0.0017
		EQY	4.4703	-4.8675	0.1167	0.0017	0.0016	-0.0039
		WLX	-0.0662	-0.0080	0.0004	0.0000	0.0000	0.0000
		WLY	0.0447	-0.0426	0.0011	0.0000	0.0001	0.0000
A-4	6	D0	0.0147	-0.0050	-0.0886	0.0000	0.0004	0.0000
		DL	0.0192	0.0018	-0.1105	0.0001	0.0006	0.0000
		LL	0.0187	-0.0025	-0.1135	0.0001	0.0007	0.0000
		EQX	-5.7322	0.3947	0.6051	-0.0002	-0.0027	0.0017
		EQY	-2.5352	-5.5155	-0.2230	-0.0010	0.0007	-0.0039
		WLX	-0.0359	-0.0049	0.0026	0.0000	0.0000	0.0000
		WLY	-0.0248	-0.0482	-0.0010	0.0000	0.0000	0.0000
B-4	6	D0	0.0145	-0.0050	-0.0569	0.0002	0.0002	0.0000
		DL	0.0184	0.0018	-0.0643	0.0002	0.0003	0.0000
		LL	0.0183	-0.0025	-0.0572	0.0003	0.0003	0.0000
		EQX	-5.7114	0.3947	0.4729	-0.0009	-0.0011	0.0017
		EQY	-1.3248	-5.5155	-0.3433	-0.0003	0.0011	-0.0039
		WLX	-0.0385	-0.0049	0.0024	0.0000	0.0000	0.0000
		WLY	-0.0128	-0.0482	-0.0028	0.0000	0.0000	0.0000
C-4	6	D0	0.0144	-0.0050	-0.0235	0.0001	0.0000	0.0000
		DL	0.0179	0.0018	-0.0267	0.0001	0.0000	0.0000
		LL	0.0181	-0.0025	-0.0183	0.0001	0.0000	0.0000
		EQX	-5.6988	0.3947	0.3455	-0.0001	-0.0026	0.0017
		EQY	-0.5931	-5.5155	-0.1652	0.0020	-0.0003	-0.0039
		WLX	-0.0400	-0.0049	0.0021	0.0000	0.0000	0.0000
		WLY	-0.0055	-0.0482	-0.0015	0.0000	0.0000	0.0000
D-4	6	D0	0.0142	-0.0050	-0.0218	-0.0001	0.0000	0.0000
		DL	0.0174	0.0018	-0.0286	-0.0001	0.0000	0.0000
		LL	0.0178	-0.0025	-0.0183	-0.0001	0.0000	0.0000
		EQX	-5.6968	0.3947	0.4300	0.0004	-0.0018	0.0017
		EQY	0.1736	-5.5155	0.1866	0.0020	0.0001	-0.0039
		WLX	-0.0417	-0.0049	0.0033	0.0000	0.0000	0.0000
		WLY	0.0021	-0.0482	0.0016	0.0000	0.0000	0.0000
E-4	6	D0	0.0140	-0.0050	-0.1102	-0.0004	0.0005	0.0000
		DL	0.0166	0.0018	-0.1748	-0.0006	0.0009	0.0000
		LL	0.0174	-0.0025	-0.1598	-0.0006	0.0009	0.0000
		EQX	-6.2273	0.3947	0.7024	0.0010	-0.0025	0.0017
		EQY	1.3801	-5.5155	0.2838	-0.0011	-0.0011	-0.0039
		WLX	-0.0486	-0.0049	0.0058	0.0000	0.0000	0.0000
		WLY	0.0140	-0.0482	0.0022	0.0000	0.0000	0.0000
E'-4	6	D0	0.0139	-0.0050	-0.1804	-0.0001	0.0009	0.0000
		DL	0.0161	0.0018	-0.2784	-0.0001	0.0022	0.0000
		LL	0.0171	-0.0025	-0.2652	-0.0001	0.0024	0.0000
		EQX	-6.6192	0.3947	0.8577	0.0004	-0.0033	0.0017
		EQY	2.2714	-5.5155	0.1584	-0.0009	-0.0009	-0.0039
		WLX	-0.0537	-0.0049	0.0072	0.0000	0.0000	0.0000
		WLY	0.0229	-0.0482	-0.0011	0.0000	0.0000	0.0000
F-4	6	D0	0.0137	-0.0050	-0.1792	0.0000	0.0010	0.0000
		DL	0.0155	0.0018	-0.2324	0.0003	0.0013	0.0000
		LL	0.0167	-0.0025	-0.2179	0.0003	0.0014	0.0000
		EQX	-7.0265	0.3947	0.9380	0.0003	-0.0041	0.0017
		EQY	3.1976	-5.5155	-0.2139	-0.0004	-0.0006	-0.0039
		WLX	-0.0589	-0.0049	0.0070	0.0000	0.0000	0.0000
		WLY	0.0321	-0.0482	-0.0045	0.0000	0.0000	0.0000
H-4	6	D0	0.0136	-0.0050	-0.1914	-0.0001	0.0011	0.0000
		DL	0.0150	0.0018	-0.1853	0.0003	0.0014	0.0000
		LL	0.0165	-0.0025	-0.1684	0.0004	0.0015	0.0000
		EQX	-7.3038	0.3947	0.9962	0.0004	-0.0045	0.0017
		EQY	3.8281	-5.5155	-0.2422	0.0001	0.0011	-0.0039
		WLX	-0.0625	-0.0049	0.0056	0.0000	0.0000	0.0000
		WLY	0.0383	-0.0482	-0.0080	0.0000	0.0000	0.0000
G-4	6	D0	0.0134	-0.0050	-0.1921	0.0000	0.0009	0.0000

Company: AC INGENIERIA Engineer: ALVARO CABALLERO
Project: CASA CORREGIDOR - SOGAMOSO BLOQUE NUEVO 4:20:13 p. m. 4/05/2022

Axis	Floor	LdCase	Ux	Uy	Uz	θx	θy	θz
		DL	0.0146	0.0018	-0.1134	0.0004	0.0006	0.0000
		LL	0.0163	-0.0025	-0.0918	0.0005	0.0005	0.0000
		EQX	-7.5964	0.3947	1.0635	0.0004	-0.0049	0.0017
		EQY	4.4937	-5.5155	-0.2259	0.0002	0.0016	-0.0039
		WLX	-0.0663	-0.0049	0.0035	0.0000	0.0000	0.0000
		WLY	0.0449	-0.0482	-0.0122	0.0000	0.0001	0.0000
A-7	6	D0	0.0116	-0.0017	-0.0862	0.0000	-0.0004	0.0000
		DL	0.0135	0.0084	-0.1076	0.0001	-0.0006	0.0000
		LL	0.0134	0.0025	-0.1092	0.0001	-0.0006	0.0000
		EQX	-5.7052	0.7684	-0.6010	0.0008	-0.0026	0.0017
		EQY	-2.5022	-7.6765	-0.3076	-0.0003	-0.0009	-0.0039
		WLX	-0.0355	-0.0037	-0.0042	0.0000	0.0000	0.0000
		WLY	-0.0243	-0.0693	-0.0010	0.0000	0.0000	0.0000
B-7	6	D0	0.0116	-0.0017	-0.0565	0.0002	-0.0001	0.0000
		DL	0.0132	0.0084	-0.0624	0.0003	-0.0002	0.0000
		LL	0.0134	0.0025	-0.0553	0.0003	-0.0002	0.0000
		EQX	-5.6899	0.7684	-0.3040	0.0012	-0.0009	0.0017
		EQY	-1.3026	-7.6765	-0.2882	0.0002	-0.0014	-0.0039
		WLX	-0.0382	-0.0037	-0.0020	0.0000	0.0000	0.0000
		WLY	-0.0123	-0.0693	-0.0022	0.0000	0.0000	0.0000
C-7	6	D0	0.0115	-0.0017	-0.0235	0.0001	0.0000	0.0000
		DL	0.0130	0.0084	-0.0252	0.0001	0.0000	0.0000
		LL	0.0134	0.0025	-0.0182	0.0001	0.0000	0.0000
		EQX	-5.6806	0.7684	-0.1465	0.0001	-0.0028	0.0017
		EQY	-0.5775	-7.6765	-0.1536	0.0015	-0.0003	-0.0039
		WLX	-0.0398	-0.0037	-0.0010	0.0000	0.0000	0.0000
		WLY	-0.0051	-0.0693	-0.0015	0.0000	0.0000	0.0000
D-7	6	D0	0.0114	-0.0017	-0.0230	-0.0001	0.0000	0.0000
		DL	0.0128	0.0084	-0.0307	-0.0001	0.0000	0.0000
		LL	0.0134	0.0025	-0.0195	-0.0001	0.0000	0.0000
		EQX	-5.6798	0.7684	-0.2087	-0.0004	-0.0027	0.0017
		EQY	0.1824	-7.6765	0.1382	0.0015	0.0004	-0.0039
		WLX	-0.0415	-0.0037	-0.0013	0.0000	0.0000	0.0000
		WLY	0.0026	-0.0693	0.0011	0.0000	0.0000	0.0000
E-7	6	D0	0.0113	-0.0017	-0.1108	-0.0004	-0.0005	0.0000
		DL	0.0124	0.0084	-0.1782	-0.0006	-0.0008	0.0000
		LL	0.0134	0.0025	-0.1617	-0.0006	-0.0009	0.0000
		EQX	-6.2171	0.7684	-0.5077	-0.0011	-0.0019	0.0017
		EQY	1.3781	-7.6765	0.2690	-0.0005	0.0009	-0.0039
		WLX	-0.0485	-0.0037	-0.0035	0.0000	0.0000	0.0000
		WLY	0.0145	-0.0693	0.0021	0.0000	0.0000	0.0000
E'-7	6	D0	0.0113	-0.0017	-0.1791	-0.0001	-0.0009	0.0000
		DL	0.0121	0.0084	-0.2814	-0.0001	-0.0021	0.0000
		LL	0.0134	0.0025	-0.2666	-0.0001	-0.0023	0.0000
		EQX	-6.6139	0.7684	-0.7042	-0.0006	-0.0027	0.0017
		EQY	2.2614	-7.6765	0.2285	-0.0004	0.0012	-0.0039
		WLX	-0.0537	-0.0037	-0.0048	0.0000	0.0000	0.0000
		WLY	0.0234	-0.0693	0.0013	0.0000	0.0000	0.0000
F-7	6	D0	0.0112	-0.0017	-0.1827	0.0000	-0.0010	0.0000
		DL	0.0119	0.0084	-0.2358	0.0003	-0.0014	0.0000
		LL	0.0134	0.0025	-0.2197	0.0003	-0.0014	0.0000
		EQX	-7.0264	0.7684	-0.8116	-0.0004	-0.0035	0.0017
		EQY	3.1794	-7.6765	0.2833	0.0006	0.0014	-0.0039
		WLX	-0.0590	-0.0037	-0.0039	0.0000	0.0000	0.0000
		WLY	0.0326	-0.0693	-0.0021	0.0000	0.0000	0.0000
H-7	6	D0	0.0112	-0.0017	-0.1945	-0.0001	-0.0011	0.0000
		DL	0.0117	0.0084	-0.1887	0.0003	-0.0014	0.0000
		LL	0.0134	0.0025	-0.1699	0.0004	-0.0014	0.0000
		EQX	-7.3072	0.7684	-0.8780	-0.0004	-0.0039	0.0017
		EQY	3.8043	-7.6765	0.4085	0.0010	0.0018	-0.0039
		WLX	-0.0627	-0.0037	-0.0018	0.0000	0.0000	0.0000
		WLY	0.0388	-0.0693	-0.0048	0.0000	0.0000	0.0000
G-7	6	D0	0.0111	-0.0017	-0.1954	0.0000	-0.0009	0.0000
		DL	0.0115	0.0084	-0.1099	0.0004	-0.0005	0.0000
		LL	0.0134	0.0025	-0.0853	0.0005	-0.0004	0.0000
		EQX	-7.6330	0.7684	-0.9574	-0.0004	-0.0044	0.0017
		EQY	4.5294	-7.6765	0.6222	0.0012	0.0022	-0.0039
		WLX	-0.0669	-0.0037	0.0022	0.0000	0.0000	0.0000
		WLY	0.0461	-0.0693	-0.0088	0.0000	0.0000	0.0000

Company: AC INGENIERIA Engineer: ALVARO CABALLERO
Project: CASA CORREGIDOR - SOGAMOSO BLOQUE NUEVO 4:20:14 p. m. 4/05/2022

Axis	Floor	LdCase	Ux	Uy	Uz	θx	θy	θz
A-8	6	D0	0.0116	-0.0016	-0.0263	0.0000	-0.0001	0.0000
		DL	0.0135	0.0087	-0.0181	0.0000	-0.0001	0.0000
		LL	0.0134	0.0025	-0.0158	0.0000	-0.0001	0.0000
		EQX	-5.7052	1.1324	-0.0536	0.0001	-0.0026	0.0017
		EQY	-2.5022	-8.4865	-0.1303	0.0014	-0.0008	-0.0039
		WLX	-0.0355	0.0072	-0.0004	0.0000	0.0000	0.0000
		WLY	-0.0243	-0.0774	-0.0011	0.0000	0.0000	0.0000
B-8	6	D0	0.0116	-0.0016	-0.0361	0.0000	0.0000	0.0000
		DL	0.0132	0.0087	-0.0356	0.0000	0.0000	0.0000
		LL	0.0134	0.0025	-0.0227	0.0000	0.0000	0.0000
		EQX	-5.6899	1.1324	0.0121	0.0002	-0.0025	0.0017
		EQY	-1.3026	-8.4865	-0.0499	0.0009	-0.0006	-0.0039
		WLX	-0.0382	0.0072	0.0001	0.0000	0.0000	0.0000
		WLY	-0.0123	-0.0774	-0.0004	0.0000	0.0000	0.0000
C-8	6	D0	0.0115	-0.0016	-0.0437	0.0000	0.0002	0.0000
		DL	0.0130	0.0087	-0.0407	0.0000	0.0001	0.0000
		LL	0.0134	0.0025	-0.0232	0.0000	0.0000	0.0000
		EQX	-5.6806	1.1324	0.1164	0.0006	-0.0002	0.0017
		EQY	-0.5775	-8.4865	-0.0504	-0.0005	-0.0005	-0.0039
		WLX	-0.0398	0.0072	0.0008	0.0000	0.0000	0.0000
		WLY	-0.0051	-0.0774	-0.0003	0.0000	0.0000	0.0000
D-8	6	D0	0.0114	-0.0016	-0.0320	0.0000	0.0000	0.0000
		DL	0.0128	0.0087	-0.0388	0.0000	0.0000	0.0000
		LL	0.0134	0.0025	-0.0209	0.0000	0.0000	0.0000
		EQX	-5.6798	1.1324	0.1494	-0.0002	-0.0020	0.0017
		EQY	0.1824	-8.4865	0.0013	0.0012	0.0004	-0.0039
		WLX	-0.0415	0.0072	0.0010	0.0000	0.0000	0.0000
		WLY	0.0026	-0.0774	0.0001	0.0000	0.0000	0.0000
E-8	6	D0	0.0113	-0.0016	-0.0356	0.0000	-0.0001	0.0000
		DL	0.0124	0.0087	-0.0554	0.0000	-0.0002	0.0000
		LL	0.0134	0.0025	-0.0346	0.0000	-0.0002	0.0000
		EQX	-6.2171	1.1324	-0.0589	-0.0003	-0.0025	0.0017
		EQY	1.3781	-8.4865	0.1045	0.0011	0.0006	-0.0039
		WLX	-0.0485	0.0072	-0.0004	0.0000	0.0000	0.0000
		WLY	0.0145	-0.0774	0.0008	0.0000	0.0000	0.0000
F-8	6	D0	0.0112	-0.0016	-0.0361	0.0000	-0.0002	0.0000
		DL	0.0119	0.0087	-0.0358	0.0000	-0.0003	0.0000
		LL	0.0134	0.0025	-0.0216	0.0000	-0.0003	0.0000
		EQX	-7.0264	1.1324	-0.0840	0.0000	-0.0034	0.0017
		EQY	3.1794	-8.4865	-0.0121	0.0011	0.0012	-0.0039
		WLX	-0.0590	0.0072	-0.0005	0.0000	0.0000	0.0000
		WLY	0.0326	-0.0774	-0.0003	0.0000	0.0000	0.0000
G-8	6	D0	0.0111	-0.0016	-0.0231	0.0000	-0.0006	0.0000
		DL	0.0115	0.0087	-0.0100	0.0000	-0.0004	0.0000
		LL	0.0134	0.0025	-0.0060	0.0000	-0.0003	0.0000
		EQX	-7.6417	1.1324	-0.0384	0.0000	-0.0044	0.0017
		EQY	4.5487	-8.4865	0.1445	0.0014	0.0024	-0.0039
		WLX	-0.0671	0.0072	-0.0004	0.0000	0.0000	0.0000
		WLY	0.0463	-0.0774	0.0014	0.0000	0.0000	0.0000
A-9	6	D0	0.0116	-0.0015	-0.0192	0.0000	0.0000	0.0000
		DL	0.0135	0.0092	-0.0080	0.0000	0.0000	0.0000
		LL	0.0134	0.0025	-0.0063	0.0000	0.0000	0.0000
		EQX	-5.7052	1.9626	0.0712	-0.0004	-0.0025	0.0017
		EQY	-2.5022	-10.3341	-0.1114	0.0020	-0.0007	-0.0039
		WLX	-0.0355	0.0180	0.0005	0.0000	0.0000	0.0000
		WLY	-0.0243	-0.0959	-0.0009	0.0000	0.0000	0.0000
B-9	6	D0	0.0116	-0.0015	-0.0268	0.0000	0.0000	0.0000
		DL	0.0132	0.0092	-0.0207	0.0000	0.0000	0.0000
		LL	0.0134	0.0025	-0.0119	0.0000	0.0000	0.0000
		EQX	-5.6899	1.9695	0.0801	-0.0001	-0.0028	0.0017
		EQY	-1.3026	-10.3495	0.0154	0.0011	-0.0004	-0.0039
		WLX	-0.0382	0.0181	0.0005	0.0000	0.0000	0.0000
		WLY	-0.0123	-0.0960	0.0001	0.0000	0.0000	0.0000
C-9	6	D0	0.0115	-0.0015	-0.0354	0.0000	-0.0003	0.0000
		DL	0.0130	0.0092	-0.0273	0.0000	-0.0002	0.0000
		LL	0.0134	0.0025	-0.0132	0.0000	-0.0001	0.0000
		EQX	-5.6806	1.9747	0.0887	0.0002	-0.0001	0.0017
		EQY	-0.5775	-10.3611	-0.0269	-0.0010	0.0002	-0.0039

Axis	Floor	LdCase	Ux	Uy	Uz	θx	θy	θz
		WLX	-0.0398	0.0182	0.0006	0.0000	0.0000	0.0000
		WLY	-0.0051	-0.0962	-0.0001	0.0000	0.0000	0.0000
D-9	6	D0	0.0114	-0.0015	-0.0286	0.0000	0.0000	0.0000
		DL	0.0128	0.0092	-0.0271	0.0000	0.0000	0.0000
		LL	0.0134	0.0025	-0.0102	0.0000	0.0000	0.0000
		EQX	-5.6798	1.9782	0.0835	-0.0003	-0.0026	0.0017
		EQY	0.1824	-10.3688	-0.0437	0.0015	0.0001	-0.0039
		WLX	-0.0415	0.0182	0.0005	0.0000	0.0000	0.0000
		WLY	0.0026	-0.0962	-0.0003	0.0000	0.0000	0.0000
E-9	6	D0	0.0113	-0.0015	-0.0275	0.0000	0.0000	0.0000
		DL	0.0124	0.0092	-0.0297	0.0000	0.0000	0.0000
		LL	0.0134	0.0025	-0.0101	0.0000	0.0000	0.0000
		EQX	-6.2171	1.9816	0.0735	-0.0003	-0.0030	0.0017
		EQY	1.3781	-10.3765	0.0664	0.0014	0.0005	-0.0039
		WLX	-0.0485	0.0183	0.0005	0.0000	0.0000	0.0000
		WLY	0.0145	-0.0963	0.0006	0.0000	0.0000	0.0000
F-9	6	D0	0.0112	-0.0015	-0.0235	0.0000	0.0000	0.0000
		DL	0.0119	0.0092	-0.0212	0.0000	0.0000	0.0000
		LL	0.0134	0.0025	-0.0070	0.0000	0.0000	0.0000
		EQX	-7.0264	1.9886	0.0844	-0.0004	-0.0034	0.0017
		EQY	3.1794	-10.3920	0.0073	0.0020	0.0011	-0.0039
		WLX	-0.0590	0.0184	0.0006	0.0000	0.0000	0.0000
		WLY	0.0326	-0.0965	0.0001	0.0000	0.0000	0.0000

P-Delta Analysis- Column End Forces

Units: ton, ton-m

			BOTTOM						TOP					
Column	Stry	Load	Axial	Shear2	Shear3	Torque	Mom-2	Mom-3	Axial	Shear2	Shear3	Torque	Mom-2	Mom-3
G-9	1	D0	4.8	0.2	-0.3	0.0	-0.5	0.2	4.8	0.2	-0.3	0.0	0.8	-0.5
		DL	2.9	0.2	-0.5	0.0	-0.9	0.3	2.9	0.2	-0.5	0.0	1.4	-0.6
		LL	0.9	0.1	-0.2	0.0	-0.4	0.1	0.9	0.1	-0.2	0.0	0.5	-0.2
		EQX	-1.5	2.0	2.6	0.0	7.5	6.5	-1.5	2.0	2.6	0.0	-4.5	-2.4
		EQY	-7.3	-11.0	-1.3	0.0	-3.9	-35.6	-7.3	-11.0	-1.3	0.0	2.1	14.4
		WLX	-0.1	0.1	0.2	0.0	0.6	0.5	-0.1	0.1	0.2	0.0	-0.4	-0.2
		WLY	-0.4	-0.7	-0.2	0.0	-0.5	-2.3	-0.4	-0.7	-0.2	0.0	0.3	0.9
F-9	5	D0	2.6	0.5	-0.1	0.0	0.0	0.5	2.6	0.5	-0.1	0.0	0.2	-0.6
		DL	0.5	0.3	-0.1	0.0	-0.4	0.4	0.5	0.3	-0.1	0.0	-0.2	-0.3
		LL	0.0	0.2	0.2	0.0	0.2	0.2	0.0	0.2	0.2	0.0	-0.3	-0.2
		EQX	-1.3	0.2	1.9	0.0	1.3	0.1	-1.3	0.2	1.9	0.0	-3.0	-0.4
		EQY	-0.6	-1.2	-0.6	0.0	-0.2	-0.6	-0.6	-1.2	-0.6	0.0	1.1	2.0
		WLX	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	-0.1	0.0
		WLY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
F-9	3-4	D0	5.8	0.2	-0.7	0.0	-0.7	0.2	5.8	0.2	-0.7	0.0	0.9	-0.2
		DL	4.2	0.1	-1.4	0.0	-1.4	0.2	4.2	0.1	-1.4	0.0	2.0	-0.1
		LL	1.4	0.0	-0.9	0.0	-0.9	0.0	1.4	0.0	-0.9	0.0	1.2	0.1
		EQX	-3.1	0.2	2.5	0.0	2.9	-0.2	-3.1	0.2	2.5	0.0	-3.0	-0.6
		EQY	-1.7	-1.6	-0.8	0.0	-0.3	-0.7	-1.7	-1.6	-0.8	0.0	1.5	3.2
		WLX	-0.1	0.0	0.1	0.0	0.1	0.0	-0.1	0.0	0.1	0.0	-0.1	0.0
		WLY	-0.1	-0.1	0.0	0.0	0.0	0.0	-0.1	-0.1	0.0	0.0	0.0	0.2
F-9	2	D0	8.9	0.3	-0.3	0.0	-0.5	0.3	8.9	0.3	-0.3	0.0	0.3	-0.3
		DL	7.8	0.3	-1.3	0.0	-2.1	0.3	7.8	0.3	-1.3	0.0	0.9	-0.3
		LL	2.7	0.1	-0.2	0.0	-0.5	0.1	2.7	0.1	-0.2	0.0	0.1	-0.2
		EQX	-4.7	1.1	1.4	0.0	1.4	1.5	-4.7	1.1	1.4	0.0	-2.0	-1.1
		EQY	-3.3	-5.2	-1.8	0.0	-2.1	-7.2	-3.3	-5.2	-1.8	0.0	2.3	5.3
		WLX	-0.2	0.1	0.0	0.0	-0.1	0.1	-0.2	0.1	0.0	0.0	-0.1	-0.1
		WLY	-0.2	-0.3	0.0	0.0	0.1	-0.4	-0.2	-0.3	0.0	0.0	0.1	0.3
F-9	1	D0	13.6	0.0	-0.1	0.0	-0.3	0.0	13.6	0.0	-0.1	0.0	0.4	0.0
		DL	13.9	0.0	-0.6	0.0	-1.0	0.0	13.9	0.0	-0.6	0.0	1.6	0.0
		LL	4.6	0.0	-0.3	0.0	-0.5	0.0	4.6	0.0	-0.3	0.0	0.7	0.0
		EQX	-8.1	0.9	2.4	0.0	7.2	2.2	-8.1	0.9	2.4	0.0	-3.8	-1.8
		EQY	3.7	-5.0	-0.7	0.0	-2.5	-12.1	3.7	-5.0	-0.7	0.0	0.6	10.3
		WLX	-0.4	0.1	0.2	0.0	0.6	0.2	-0.4	0.1	0.2	0.0	-0.4	-0.1
		WLY	0.2	-0.3	-0.2	0.0	-0.5	-0.8	0.2	-0.3	-0.2	0.0	0.3	0.7

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Column	Stry	Load	Axial	Shear2	Shear3	Torque	Mom-2	Mom-3	Axial	Shear2	Shear3	Torque	Mom-2	Mom-3
E-9	5	D0	3.4	-0.1	-0.3	0.0	-0.2	0.0	3.4	-0.1	-0.3	0.0	0.4	0.1
		DL	1.0	0.1	-0.8	0.0	-1.2	0.2	1.0	0.1	-0.8	0.0	0.5	-0.2
		LL	0.4	0.1	-0.2	0.0	-0.3	0.2	0.4	0.1	-0.2	0.0	0.2	-0.1
		EQX	-1.2	0.5	1.6	0.0	1.0	0.4	-1.2	0.5	1.6	0.0	-2.6	-0.7
		EQY	-0.3	-2.5	-0.1	0.0	0.1	-2.2	-0.3	-2.5	-0.1	0.0	0.4	3.6
		WLX	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	-0.1	0.0
		WLY	0.0	-0.1	0.0	0.0	0.0	-0.1	0.0	-0.1	0.0	0.0	0.0	0.1
E-9	3-4	D0	7.1	-0.2	-0.5	0.0	-0.5	-0.2	7.1	-0.2	-0.5	0.0	0.6	0.2
		DL	6.8	-0.2	-1.9	0.0	-2.1	-0.2	6.8	-0.2	-1.9	0.0	2.5	0.2
		LL	2.4	-0.2	-0.9	0.0	-1.0	-0.2	2.4	-0.2	-0.9	0.0	1.1	0.2
		EQX	-3.0	0.8	2.4	0.0	2.8	0.8	-3.0	0.8	2.4	0.0	-2.9	-1.1
		EQY	-1.6	-4.5	-0.3	0.0	-0.1	-4.8	-1.6	-4.5	-0.3	0.0	0.6	6.0
		WLX	-0.1	0.0	0.1	0.0	0.1	0.0	-0.1	0.0	0.1	0.0	-0.1	0.0
		WLY	-0.1	-0.2	0.0	0.0	0.0	-0.2	-0.1	-0.2	0.0	0.0	0.0	0.3
E-9	2	D0	10.7	-0.1	-0.3	0.0	-0.5	-0.2	10.7	-0.1	-0.3	0.0	0.3	0.1
		DL	12.4	-0.1	-1.7	0.0	-2.3	-0.1	12.4	-0.1	-1.7	0.0	1.7	0.0
		LL	4.3	0.0	-0.4	0.0	-0.6	0.0	4.3	0.0	-0.4	0.0	0.4	0.0
		EQX	-4.7	1.4	1.1	0.0	1.1	1.6	-4.7	1.4	1.1	0.0	-1.5	-1.8
		EQY	-3.5	-6.5	-0.7	0.0	-0.8	-7.3	-3.5	-6.5	-0.7	0.0	0.8	8.4
		WLX	-0.2	0.1	0.0	0.0	-0.1	0.1	-0.2	0.1	0.0	0.0	0.0	-0.1
		WLY	-0.2	-0.4	0.1	0.0	0.2	-0.4	-0.2	-0.4	0.1	0.0	-0.1	0.5
E-9	1	D0	15.3	0.0	-0.1	0.0	-0.2	-0.1	15.3	0.0	-0.1	0.0	0.3	0.1
		DL	18.0	0.0	-0.5	0.0	-0.8	-0.1	18.0	0.0	-0.5	0.0	1.4	0.1
		LL	6.1	0.0	-0.2	0.0	-0.4	0.0	6.1	0.0	-0.2	0.0	0.6	0.0
		EQX	-6.6	0.8	2.1	0.0	6.3	2.1	-6.6	0.8	2.1	0.0	-3.4	-1.6
		EQY	-7.4	-4.5	-0.3	0.0	-1.1	-11.4	-7.4	-4.5	-0.3	0.0	0.3	9.0
		WLX	-0.3	0.1	0.2	0.0	0.4	0.1	-0.3	0.1	0.2	0.0	-0.3	-0.1
		WLY	-0.4	-0.3	-0.1	0.0	-0.3	-0.8	-0.4	-0.3	-0.1	0.0	0.2	0.6
D-9	5	D0	3.6	0.3	-0.5	0.0	-0.4	0.3	3.6	0.3	-0.5	0.0	0.7	-0.4
		DL	1.1	0.3	-0.7	0.0	-1.0	0.4	1.1	0.3	-0.7	0.0	0.6	-0.3
		LL	0.6	0.2	-0.3	0.0	-0.3	0.3	0.6	0.2	-0.3	0.0	0.3	-0.3
		EQX	-1.4	0.5	1.6	0.0	1.0	0.4	-1.4	0.5	1.6	0.0	-2.7	-0.6
		EQY	0.3	-2.7	0.0	0.0	0.1	-2.5	0.3	-2.7	0.0	0.0	0.1	3.7
		WLX	-0.1	0.0	0.1	0.0	0.0	0.0	-0.1	0.0	0.1	0.0	-0.1	0.0
		WLY	0.0	-0.1	0.0	0.0	0.0	-0.1	0.0	-0.1	0.0	0.0	0.0	0.1
D-9	3-4	D0	7.4	0.1	-0.4	0.0	-0.4	0.1	7.4	0.1	-0.4	0.0	0.4	0.0
		DL	6.1	0.2	-1.3	0.0	-1.5	0.3	6.1	0.2	-1.3	0.0	1.7	-0.2
		LL	2.3	0.0	-0.6	0.0	-0.7	0.1	2.3	0.0	-0.6	0.0	0.7	0.0
		EQX	-3.2	0.9	2.4	0.0	2.9	0.9	-3.2	0.9	2.4	0.0	-2.8	-1.2
		EQY	1.0	-5.0	-0.1	0.0	-0.1	-5.4	1.0	-5.0	-0.1	0.0	0.1	6.6
		WLX	-0.1	0.0	0.1	0.0	0.2	0.0	-0.1	0.0	0.1	0.0	-0.1	0.0
		WLY	0.0	-0.2	0.0	0.0	-0.1	-0.2	0.0	-0.2	0.0	0.0	0.0	0.3
D-9	2	D0	11.2	0.2	-0.4	0.0	-0.6	0.2	11.2	0.2	-0.4	0.0	0.4	-0.2
		DL	11.5	0.4	-1.2	0.0	-1.7	0.5	11.5	0.4	-1.2	0.0	1.2	-0.5
		LL	4.4	0.2	-0.4	0.0	-0.5	0.2	4.4	0.2	-0.4	0.0	0.4	-0.3
		EQX	-5.3	1.5	0.8	0.0	0.8	1.7	-5.3	1.5	0.8	0.0	-1.2	-1.9
		EQY	1.9	-7.2	0.1	0.0	0.1	-8.2	1.9	-7.2	0.1	0.0	-0.1	9.1
		WLX	-0.2	0.1	0.0	0.0	-0.1	0.1	-0.2	0.1	0.0	0.0	0.0	-0.1
		WLY	0.0	-0.4	0.1	0.0	0.2	-0.4	0.0	-0.4	0.1	0.0	-0.1	0.5
D-9	1	D0	16.0	0.0	-0.1	0.0	-0.2	0.0	16.0	0.0	-0.1	0.0	0.3	-0.1
		DL	16.3	0.0	-0.4	0.0	-0.6	0.1	16.3	0.0	-0.4	0.0	1.0	-0.1
		LL	6.0	0.0	-0.2	0.0	-0.3	0.0	6.0	0.0	-0.2	0.0	0.5	0.0
		EQX	-7.6	0.8	1.9	0.0	5.7	2.1	-7.6	0.8	1.9	0.0	-3.1	-1.7
		EQY	5.0	-4.6	-0.1	0.0	-0.2	-11.6	5.0	-4.6	-0.1	0.0	0.1	9.4
		WLX	-0.3	0.1	0.1	0.0	0.4	0.1	-0.3	0.1	0.1	0.0	-0.2	-0.1
		WLY	0.2	-0.3	-0.1	0.0	-0.2	-0.8	0.2	-0.3	-0.1	0.0	0.2	0.6
B-9	5	D0	3.7	-0.2	-0.6	0.0	-0.6	-0.1	3.7	-0.2	-0.6	0.0	0.7	0.2
		DL	0.9	-0.1	-0.6	0.0	-0.8	-0.1	0.9	-0.1	-0.6	0.0	0.6	0.2
		LL	0.4	0.1	-0.3	0.0	-0.4	0.2	0.4	0.1	-0.3	0.0	0.3	0.0
		EQX	-1.3	0.1	1.9	0.0	1.6	-0.4	-1.3	0.1	1.9	0.0	-2.7	-0.6
		EQY	-0.6	-2.1	0.1	0.0	-0.2	-1.3	-0.6	-2.1	0.1	0.0	-0.4	3.6
		WLX	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.0	-0.1	0.0
		WLY	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.1

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Column	Stry	Load	Axial	Shear2	Shear3	Torque	Mom-2	Mom-3	Axial	Shear2	Shear3	Torque	Mom-2	Mom-3
B-9	4	D0	6.1	-0.6	-0.5	0.0	-0.2	0.1	6.1	-0.6	-0.5	0.0	0.1	0.5
		DL	3.7	-0.7	-0.3	0.0	0.3	0.5	3.7	-0.7	-0.3	0.0	0.5	0.9
		LL	1.3	-0.4	0.1	0.0	0.2	0.3	1.3	-0.4	0.1	0.0	0.2	0.5
		EQX	-3.2	2.5	2.0	0.0	-0.8	0.9	-3.2	2.5	2.0	0.0	-2.0	-0.6
		EQY	2.0	-5.6	0.9	0.0	0.1	-0.5	2.0	-5.6	0.9	0.0	-0.4	2.9
		WLX	-0.1	0.2	0.1	0.0	0.0	0.1	-0.1	0.2	0.1	0.0	-0.1	0.0
		WLY	0.1	-0.1	0.1	0.0	0.0	0.1	0.1	-0.1	0.1	0.0	0.0	0.1
B-9	3	D0	8.2	-0.2	-0.4	0.0	0.0	-0.3	8.2	-0.2	-0.4	0.0	0.5	0.0
		DL	5.7	-0.2	-0.3	0.0	-0.1	-0.7	5.7	-0.2	-0.3	0.0	0.3	-0.4
		LL	3.1	0.1	-0.3	0.0	-0.1	-0.4	3.1	0.1	-0.3	0.0	0.3	-0.5
		EQX	-5.2	-0.9	4.5	0.0	2.1	-0.6	-5.2	-0.9	4.5	0.0	-4.2	0.7
		EQY	-3.1	-6.1	0.0	0.0	-0.8	-2.7	-3.1	-6.1	0.0	0.0	-0.8	5.7
		WLX	-0.2	-0.1	0.2	0.0	0.1	-0.1	-0.2	-0.1	0.2	0.0	-0.2	0.1
		WLY	-0.1	-0.3	-0.2	0.0	-0.2	-0.1	-0.1	-0.3	-0.2	0.0	0.0	0.3
B-9	2	D0	10.4	-0.3	-0.2	0.0	-0.4	-0.3	10.4	-0.3	-0.2	0.0	-0.1	0.3
		DL	8.2	-0.4	-0.2	0.0	-0.5	-0.3	8.2	-0.4	-0.2	0.0	0.0	0.7
		LL	4.8	-0.1	0.0	0.0	-0.1	0.1	4.8	-0.1	0.0	0.0	-0.1	0.4
		EQX	-5.2	1.2	-0.9	0.0	-0.1	1.6	-5.2	1.2	-0.9	0.0	2.0	-1.3
		EQY	1.7	-4.9	0.8	0.0	1.1	-6.8	1.7	-4.9	0.8	0.0	-0.7	5.0
		WLX	-0.2	0.1	-0.1	0.0	-0.1	0.1	-0.2	0.1	-0.1	0.0	0.1	-0.1
		WLY	0.1	-0.3	0.2	0.0	0.2	-0.4	0.1	-0.3	0.2	0.0	-0.2	0.3
B-9	1	D0	15.1	0.0	-0.1	0.0	-0.2	-0.1	15.1	0.0	-0.1	0.0	0.3	0.1
		DL	13.0	0.0	-0.2	0.0	-0.4	0.0	13.0	0.0	-0.2	0.0	0.6	0.0
		LL	7.6	0.1	-0.1	0.0	-0.2	0.1	7.6	0.1	-0.1	0.0	0.3	-0.2
		EQX	-6.9	0.9	2.2	0.0	6.2	2.2	-6.9	0.9	2.2	0.0	-3.8	-1.8
		EQY	-2.2	-4.9	0.3	0.0	1.1	-12.0	-2.2	-4.9	0.3	0.0	-0.4	10.1
		WLX	-0.3	0.1	0.1	0.0	0.3	0.2	-0.3	0.1	0.1	0.0	-0.2	-0.1
		WLY	-0.1	-0.3	-0.1	0.0	-0.1	-0.8	-0.1	-0.3	-0.1	0.0	0.1	0.7
A-9	5	D0	2.5	-0.1	-0.3	0.0	-0.2	-0.1	2.5	-0.1	-0.3	0.0	0.5	0.2
		DL	0.5	-0.2	-0.1	0.0	0.0	-0.3	0.5	-0.2	-0.1	0.0	0.1	0.2
		LL	0.1	-0.2	0.0	0.0	-0.1	-0.2	0.1	-0.2	0.0	0.0	0.0	0.1
		EQX	-1.2	0.2	1.2	0.0	0.5	0.1	-1.2	0.2	1.2	0.0	-2.5	-0.5
		EQY	1.1	-1.1	0.2	0.0	-0.3	-0.5	1.1	-1.1	0.2	0.0	-0.8	2.2
		WLX	-0.1	0.0	0.1	0.0	0.0	0.1	-0.1	0.0	0.1	0.0	-0.1	0.0
		WLY	0.1	0.0	0.0	0.0	-0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.1
A-9	4	D0	3.0	-0.1	-0.3	0.0	-0.5	-0.2	3.0	-0.1	-0.3	0.0	-0.2	-0.1
		DL	0.5	-0.2	-0.1	0.0	-0.1	-0.5	0.5	-0.2	-0.1	0.0	0.0	-0.3
		LL	0.1	-0.2	0.0	0.0	-0.1	-0.4	0.1	-0.2	0.0	0.0	-0.1	-0.2
		EQX	-1.2	0.2	1.3	-0.1	1.7	0.3	-1.2	0.2	1.3	-0.1	0.5	0.1
		EQY	1.1	-1.2	-0.1	0.1	-0.3	-1.6	1.1	-1.2	-0.1	0.1	-0.3	-0.5
		WLX	-0.1	-0.1	0.1	0.0	0.1	0.0	-0.1	-0.1	0.1	0.0	0.0	0.1
		WLY	0.1	-0.1	0.0	0.0	-0.1	-0.1	0.1	-0.1	0.0	0.0	-0.1	0.0
A-9	2-3	D0	6.7	-0.1	-0.2	0.0	-0.5	-0.2	6.7	-0.1	-0.2	0.0	0.4	0.2
		DL	2.8	-0.3	0.0	0.0	0.0	-0.6	2.8	-0.3	0.0	0.0	0.0	0.6
		LL	2.2	-0.3	0.0	0.0	0.0	-0.5	2.2	-0.3	0.0	0.0	0.0	0.5
		EQX	-3.6	0.4	0.9	0.0	1.5	0.6	-3.6	0.4	0.9	0.0	-2.1	-0.9
		EQY	5.1	-1.8	0.8	0.0	1.5	-2.9	5.1	-1.8	0.8	0.0	-1.7	4.7
		WLX	-0.1	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	-0.1
		WLY	0.2	-0.1	0.1	0.0	0.1	-0.1	0.2	-0.1	0.1	0.0	-0.2	0.2
A-9	1	D0	10.4	0.0	-0.1	0.0	-0.1	-0.1	10.4	0.0	-0.1	0.0	0.2	0.1
		DL	4.8	-0.1	0.0	0.0	-0.1	-0.2	4.8	-0.1	0.0	0.0	0.0	0.4
		LL	4.0	-0.1	0.0	0.0	-0.1	-0.2	4.0	-0.1	0.0	0.0	0.0	0.3
		EQX	-6.7	0.8	1.9	0.0	5.7	2.0	-6.7	0.8	1.9	0.0	-3.0	-1.4
		EQY	11.5	-4.1	0.7	0.0	2.1	-10.8	11.5	-4.1	0.7	0.0	-0.9	7.9
		WLX	-0.3	0.1	0.1	0.0	0.3	0.1	-0.3	0.1	0.1	0.0	-0.2	-0.1
		WLY	0.6	-0.3	0.0	0.0	0.2	-0.7	0.6	-0.3	0.0	0.0	-0.1	0.6
G-8	5	D0	3.0	0.3	-0.5	0.0	0.7	0.3	3.0	0.3	-0.5	0.0	1.9	-0.4
		DL	1.0	0.3	-0.3	0.0	0.4	0.3	1.0	0.3	-0.3	0.0	1.0	-0.4
		LL	0.6	0.2	-0.2	0.0	0.3	0.2	0.6	0.2	-0.2	0.0	0.9	-0.3
		EQX	0.1	0.1	-0.2	0.0	-0.6	0.1	0.1	0.1	-0.2	0.0	-0.1	-0.2
		EQY	-0.8	-0.8	0.1	0.0	0.5	-0.6	-0.8	-0.8	0.1	0.0	0.2	1.3
		WLX	0.0	0.0	-0.1	0.0	-0.1	0.0	0.0	0.0	-0.1	0.0	0.0	0.0
		WLY	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.1

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Column	Stry	Load	Axial	Shear2	Shear3	Torque	Mom-2	Mom-3	Axial	Shear2	Shear3	Torque	Mom-2	Mom-3
G-8	3-4	D0	4.7	0.2	-0.3	0.0	0.0	0.2	4.7	0.2	-0.3	0.0	0.6	-0.2
		DL	1.3	0.1	-0.1	0.0	0.0	0.2	1.3	0.1	-0.1	0.0	0.3	-0.2
		LL	0.8	0.1	-0.1	0.0	-0.1	0.1	0.8	0.1	-0.1	0.0	0.3	-0.1
		EQX	0.4	0.3	0.2	0.0	-0.1	0.3	0.4	0.3	0.2	0.0	-0.6	-0.5
		EQY	-2.9	-2.0	-0.1	0.0	0.1	-2.0	-2.9	-2.0	-0.1	0.0	0.4	2.8
		WLX	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	-0.1	0.0
		WLY	-0.2	-0.1	0.0	0.0	0.1	-0.1	-0.2	-0.1	0.0	0.0	0.1	0.1
G-8	2	D0	6.3	0.2	-0.1	0.0	-0.4	0.3	6.3	0.2	-0.1	0.0	-0.1	-0.2
		DL	1.5	0.2	0.0	0.0	0.0	0.4	1.5	0.2	0.0	0.0	0.0	-0.2
		LL	0.9	0.1	-0.1	0.0	-0.3	0.2	0.9	0.1	-0.1	0.0	-0.1	-0.1
		EQX	1.0	0.5	0.5	0.0	1.3	0.4	1.0	0.5	0.5	0.0	0.1	-0.6
		EQY	-6.3	-2.3	-0.4	0.0	-1.0	-2.1	-6.3	-2.3	-0.4	0.0	0.0	3.3
		WLX	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.0	-0.1	0.0
		WLY	-0.3	-0.1	-0.1	0.0	-0.1	-0.1	-0.3	-0.1	-0.1	0.0	0.1	0.2
G-8	1	D0	10.5	0.0	0.0	0.0	0.0	0.1	10.5	0.0	0.0	0.0	-0.1	-0.1
		DL	5.8	0.1	0.1	0.0	0.1	0.1	5.8	0.1	0.1	0.0	-0.3	-0.2
		LL	3.5	0.0	-0.1	0.0	-0.2	0.1	3.5	0.0	-0.1	0.0	0.3	-0.1
		EQX	3.9	0.4	1.7	0.0	4.6	1.0	3.9	0.4	1.7	0.0	-3.2	-0.8
		EQY	-12.5	-3.0	-0.9	0.0	-2.4	-7.7	-12.5	-3.0	-0.9	0.0	1.5	5.7
		WLX	0.2	0.0	0.1	0.0	0.3	0.0	0.2	0.0	0.1	0.0	-0.2	0.0
		WLY	-0.8	-0.2	-0.1	0.0	-0.3	-0.5	-0.8	-0.2	-0.1	0.0	0.2	0.3
F-8	5	D0	6.6	0.2	-1.3	0.0	-0.3	0.2	6.6	0.2	-1.3	0.0	2.6	-0.2
		DL	4.4	0.6	-1.7	0.0	-0.1	0.7	4.4	0.6	-1.7	0.0	3.8	-0.7
		LL	3.7	0.4	-2.0	0.0	-0.7	0.4	3.7	0.4	-2.0	0.0	3.9	-0.4
		EQX	1.5	0.1	1.9	0.0	1.3	0.1	1.5	0.1	1.9	0.0	-3.0	-0.2
		EQY	-0.5	-1.8	-0.3	0.0	0.3	-1.6	-0.5	-1.8	-0.3	0.0	0.9	2.5
		WLX	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	-0.1	0.0
		WLY	0.0	-0.1	0.0	0.0	0.0	-0.1	0.0	-0.1	0.0	0.0	0.0	0.1
F-8	3-4	D0	10.0	0.2	0.4	0.0	0.3	0.2	10.0	0.2	0.4	0.0	-0.7	-0.2
		DL	8.1	0.6	1.1	0.0	0.9	0.8	8.1	0.6	1.1	0.0	-1.8	-0.8
		LL	5.2	0.4	0.6	0.0	0.4	0.5	5.2	0.4	0.6	0.0	-0.9	-0.5
		EQX	3.4	0.5	2.5	0.0	2.9	0.5	3.4	0.5	2.5	0.0	-3.0	-0.7
		EQY	-0.7	-3.3	-0.8	0.0	-0.3	-3.4	-0.7	-3.3	-0.8	0.0	1.6	4.5
		WLX	0.1	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.1	0.0	-0.1	0.0
		WLY	0.1	-0.2	0.0	0.0	0.0	-0.2	0.1	-0.2	0.0	0.0	0.0	0.2
F-8	2	D0	13.5	0.1	0.1	0.0	0.1	0.2	13.5	0.1	0.1	0.0	-0.2	-0.2
		DL	12.0	0.5	0.9	0.0	1.2	0.6	12.0	0.5	0.9	0.0	-1.0	-0.6
		LL	6.9	0.3	-0.1	0.0	-0.4	0.3	6.9	0.3	-0.1	0.0	-0.2	-0.4
		EQX	5.4	0.8	1.4	0.0	1.4	0.9	5.4	0.8	1.4	0.0	-2.0	-1.0
		EQY	-0.7	-4.4	-1.9	0.0	-2.3	-4.9	-0.7	-4.4	-1.9	0.0	2.3	5.8
		WLX	0.2	0.0	0.0	0.0	-0.1	0.0	0.2	0.0	0.0	0.0	-0.1	0.0
		WLY	0.1	-0.2	0.0	0.0	0.1	-0.3	0.1	-0.2	0.0	0.0	0.1	0.3
F-8	1	D0	19.0	0.0	-0.1	0.0	-0.2	0.0	19.0	0.0	-0.1	0.0	0.1	-0.1
		DL	21.7	0.0	0.1	0.0	0.0	0.1	21.7	0.0	0.1	0.0	-0.3	-0.1
		LL	12.6	0.0	-0.3	0.0	-0.5	0.1	12.6	0.0	-0.3	0.0	0.7	-0.1
		EQX	7.4	0.6	2.4	0.0	7.2	1.4	7.4	0.6	2.4	0.0	-3.8	-1.1
		EQY	1.6	-4.1	-0.7	0.0	-2.5	-10.2	1.6	-4.1	-0.7	0.0	0.8	8.3
		WLX	0.3	0.0	0.2	0.0	0.6	0.1	0.3	0.0	0.2	0.0	-0.4	0.0
		WLY	0.2	-0.2	-0.2	0.0	-0.5	-0.6	0.2	-0.2	-0.2	0.0	0.3	0.5
E-8	5	D0	5.2	-0.4	-0.6	0.0	-0.3	-0.4	5.2	-0.4	-0.6	0.0	1.1	0.5
		DL	3.1	-0.3	-1.1	0.0	-0.5	-0.4	3.1	-0.3	-1.1	0.0	2.0	0.3
		LL	2.3	-0.3	-1.6	0.0	-1.3	-0.3	2.3	-0.3	-1.6	0.0	2.4	0.3
		EQX	0.3	-0.6	2.0	0.0	1.5	-0.7	0.3	-0.6	2.0	0.0	-3.0	0.6
		EQY	-0.8	-2.1	0.0	0.0	0.2	-1.9	-0.8	-2.1	0.0	0.0	0.3	2.9
		WLX	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.0	-0.1	0.0
		WLY	0.0	-0.1	0.0	0.0	0.0	-0.1	0.0	-0.1	0.0	0.0	0.0	0.1
E-8	3-4	D0	9.4	-0.1	0.0	0.0	-0.1	-0.1	9.4	-0.1	0.0	0.0	-0.1	0.1
		DL	12.9	-0.3	0.3	0.0	0.2	-0.3	12.9	-0.3	0.3	0.0	-0.5	0.4
		LL	8.2	-0.2	-0.7	0.0	-0.9	-0.3	8.2	-0.2	-0.7	0.0	0.8	0.3
		EQX	1.7	0.1	2.1	0.0	2.5	-0.3	1.7	0.1	2.1	0.0	-2.5	-0.5
		EQY	-2.8	-3.8	-0.4	0.0	-0.3	-4.0	-2.8	-3.8	-0.4	0.0	0.6	5.1
		WLX	0.1	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.1	0.0	-0.1	0.0
		WLY	-0.1	-0.2	0.0	0.0	0.0	-0.2	-0.1	-0.2	0.0	0.0	0.0	0.3

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Column	Stry	Load	Axial	Shear2	Shear3	Torque	Mom-2	Mom-3	Axial	Shear2	Shear3	Torque	Mom-2	Mom-3
E-8	2	D0	13.6	-0.2	0.0	0.0	0.0	-0.3	13.6	-0.2	0.0	0.0	0.1	0.3
		DL	22.3	-0.3	0.3	0.0	0.4	-0.4	22.3	-0.3	0.3	0.0	-0.4	0.4
		LL	13.9	-0.2	-0.8	0.0	-1.1	-0.3	13.9	-0.2	-0.8	0.0	0.8	0.3
		EQX	3.5	0.6	1.4	0.0	1.6	0.6	3.5	0.6	1.4	0.0	-1.7	-0.7
		EQY	-6.0	-5.1	-0.7	0.0	-0.9	-5.5	-6.0	-5.1	-0.7	0.0	0.8	6.6
		WLX	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	-0.1	0.0
		WLY	-0.3	-0.3	0.1	0.0	0.1	-0.3	-0.3	-0.3	0.1	0.0	-0.1	0.4
E-8	1	D0	18.9	0.0	0.0	0.0	-0.1	-0.1	18.9	0.0	0.0	0.0	0.0	0.1
		DL	32.2	-0.1	0.0	0.0	-0.1	-0.1	32.2	-0.1	0.0	0.0	0.1	0.2
		LL	19.9	0.0	-0.3	0.0	-0.5	-0.1	19.9	0.0	-0.3	0.0	0.7	0.1
		EQX	5.9	0.6	1.7	0.0	4.9	1.5	5.9	0.6	1.7	0.0	-2.9	-1.1
		EQY	-10.6	-4.7	-0.3	0.0	-0.9	-11.7	-10.6	-4.7	-0.3	0.0	0.4	9.5
		WLX	0.3	0.0	0.1	0.0	0.3	0.1	0.3	0.0	0.1	0.0	-0.2	0.0
		WLY	-0.6	-0.3	-0.1	0.0	-0.2	-0.7	-0.6	-0.3	-0.1	0.0	0.2	0.6
D-8	5	D0	4.2	0.2	0.5	0.0	0.6	0.2	4.2	0.2	0.5	0.0	-0.6	-0.3
		DL	1.6	0.2	0.7	0.0	1.0	0.4	1.6	0.2	0.7	0.0	-0.5	0.0
		LL	0.9	0.0	0.2	0.0	0.3	0.1	0.9	0.0	0.2	0.0	-0.1	0.1
		EQX	-0.8	-0.5	3.3	0.0	3.5	-0.7	-0.8	-0.5	3.3	0.0	-4.2	0.5
		EQY	-0.6	-1.9	0.6	0.0	0.7	-1.8	-0.6	-1.9	0.6	0.0	-0.7	2.7
		WLX	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.0	-0.2	0.0
		WLY	0.0	-0.1	0.0	0.0	0.0	-0.1	0.0	-0.1	0.0	0.0	0.0	0.1
D-8	3-4	D0	8.0	0.2	0.3	0.0	0.3	0.2	8.0	0.2	0.3	0.0	-0.3	-0.2
		DL	8.6	0.5	1.0	0.0	1.1	0.5	8.6	0.5	1.0	0.0	-1.2	-0.7
		LL	4.7	0.2	0.1	0.0	0.1	0.2	4.7	0.2	0.1	0.0	-0.1	-0.2
		EQX	-4.7	-0.3	4.2	0.0	5.0	-0.4	-4.7	-0.3	4.2	0.0	-5.1	0.4
		EQY	-0.9	-4.1	0.3	0.0	0.4	-4.5	-0.9	-4.1	0.3	0.0	-0.4	5.4
		WLX	-0.2	0.0	0.2	0.0	0.2	0.0	-0.2	0.0	0.2	0.0	-0.2	0.0
		WLY	0.0	-0.2	0.0	0.0	0.0	-0.2	0.0	-0.2	0.0	0.0	0.0	0.3
D-8	2	D0	12.0	0.3	0.3	0.0	0.4	0.3	12.0	0.3	0.3	0.0	-0.4	-0.3
		DL	14.9	0.6	1.1	0.0	1.3	0.8	14.9	0.6	1.1	0.0	-1.3	-0.6
		LL	8.2	0.2	0.3	0.0	0.3	0.3	8.2	0.2	0.3	0.0	-0.3	-0.2
		EQX	-9.5	0.0	3.9	0.0	4.9	-0.6	-9.5	0.0	3.9	0.0	-4.4	-0.7
		EQY	-0.9	-5.5	0.5	0.0	0.6	-6.1	-0.9	-5.5	0.5	0.0	-0.6	7.2
		WLX	-0.4	0.0	0.1	0.0	0.2	0.0	-0.4	0.0	0.1	0.0	-0.1	0.0
		WLY	-0.1	-0.3	0.2	0.0	0.2	-0.3	-0.1	-0.3	0.2	0.0	-0.2	0.4
D-8	1	D0	17.5	0.1	0.0	0.0	0.0	0.1	17.5	0.1	0.0	0.0	-0.1	-0.2
		DL	23.5	0.1	0.1	0.0	0.1	0.2	23.5	0.1	0.1	0.0	-0.3	-0.4
		LL	12.5	0.0	0.0	0.0	-0.1	0.1	12.5	0.0	0.0	0.0	0.1	-0.1
		EQX	-14.7	0.6	2.1	0.0	5.3	1.5	-14.7	0.6	2.1	0.0	-4.2	-1.0
		EQY	1.1	-4.7	0.0	0.0	-0.1	-11.8	1.1	-4.7	0.0	0.0	-0.1	9.6
		WLX	-0.6	0.0	0.1	0.0	0.3	0.1	-0.6	0.0	0.1	0.0	-0.3	0.0
		WLY	0.0	-0.3	-0.1	0.0	-0.1	-0.7	0.0	-0.3	-0.1	0.0	0.1	0.6
B-8	5	D0	4.8	-0.4	-0.3	0.0	-0.3	-0.5	4.8	-0.4	-0.3	0.0	0.4	0.5
		DL	1.7	-0.6	-0.4	0.0	-0.4	-0.8	1.7	-0.6	-0.4	0.0	0.6	0.5
		LL	1.0	-0.2	-0.6	0.0	-0.5	-0.4	1.0	-0.2	-0.6	0.0	0.8	0.2
		EQX	-0.1	0.8	2.7	0.0	2.5	1.0	-0.1	0.8	2.7	0.0	-3.8	-0.8
		EQY	0.3	-1.9	-0.7	0.0	-0.8	-1.7	0.3	-1.9	-0.7	0.0	0.8	2.7
		WLX	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.0	-0.1	0.0
		WLY	0.0	-0.1	-0.1	0.0	-0.1	-0.1	0.0	-0.1	-0.1	0.0	0.1	0.1
B-8	4	D0	7.7	0.1	0.7	0.0	0.1	0.3	7.7	0.1	0.7	0.0	-0.3	0.3
		DL	6.0	-0.1	0.4	0.0	-0.5	1.0	6.0	-0.1	0.4	0.0	-0.7	1.1
		LL	3.1	0.3	-0.3	0.0	-0.5	0.7	3.1	0.3	-0.3	0.0	-0.3	0.5
		EQX	-0.6	0.4	2.7	0.0	-1.2	-1.0	-0.6	0.4	2.7	0.0	-2.8	-1.3
		EQY	3.7	-1.5	-0.5	0.0	0.2	1.4	3.7	-1.5	-0.5	0.0	0.5	2.3
		WLX	0.0	0.2	0.1	0.0	0.0	0.0	0.0	0.2	0.1	0.0	-0.1	-0.1
		WLY	0.2	0.0	0.0	0.0	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.2
B-8	3	D0	10.5	-0.4	0.0	0.0	0.3	-0.4	10.5	-0.4	0.0	0.0	0.3	0.2
		DL	9.5	-0.5	-0.3	0.0	0.4	-0.7	9.5	-0.5	-0.3	0.0	0.9	0.0
		LL	6.5	0.0	-0.6	0.0	-0.1	-0.3	6.5	0.0	-0.6	0.0	0.8	-0.3
		EQX	2.0	1.6	5.6	0.0	3.5	0.9	2.0	1.6	5.6	0.0	-4.3	-1.2
		EQY	0.4	-5.2	-0.3	0.0	-1.3	-2.7	0.4	-5.2	-0.3	0.0	-0.9	4.6
		WLX	0.1	0.0	0.2	0.0	0.2	0.0	0.1	0.0	0.2	0.0	-0.2	0.0
		WLY	0.0	-0.4	-0.2	0.0	-0.2	-0.2	0.0	-0.4	-0.2	0.0	0.0	0.3

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Column	Stry	Load	Axial	Shear2	Shear3	Torque	Mom-2	Mom-3	Axial	Shear2	Shear3	Torque	Mom-2	Mom-3
B-8	2	D0	14.7	-0.3	0.3	0.0	0.2	-0.4	14.7	-0.3	0.3	0.0	-0.5	0.3
		DL	13.9	-0.6	0.4	0.0	0.1	-0.7	13.9	-0.6	0.4	0.0	-0.9	0.8
		LL	8.6	-0.2	-0.1	0.0	-0.4	-0.1	8.6	-0.2	-0.1	0.0	-0.2	0.3
		EQX	-1.4	1.0	0.4	0.0	1.3	1.4	-1.4	1.0	0.4	0.0	0.4	-1.1
		EQY	5.1	-3.5	-0.3	0.0	-0.4	-4.8	5.1	-3.5	-0.3	0.0	0.4	3.7
		WLX	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.1	-0.1
		WLY	0.2	-0.2	0.1	0.0	0.2	-0.2	0.2	-0.2	0.1	0.0	-0.1	0.2
B-8	1	D0	20.4	0.0	0.0	0.0	0.0	-0.1	20.4	0.0	0.0	0.0	0.0	0.1
		DL	22.5	-0.1	-0.2	0.0	-0.3	-0.1	22.5	-0.1	-0.2	0.0	0.5	0.2
		LL	14.5	0.0	-0.2	0.0	-0.4	0.1	14.5	0.0	-0.2	0.0	0.5	-0.1
		EQX	-1.6	0.7	2.4	0.0	6.4	1.6	-1.6	0.7	2.4	0.0	-4.3	-1.5
		EQY	4.2	-4.4	-0.1	0.0	0.7	-10.7	4.2	-4.4	-0.1	0.0	0.9	9.2
		WLX	-0.1	0.0	0.1	0.0	0.3	0.1	-0.1	0.0	0.1	0.0	-0.3	-0.1
		WLY	0.2	-0.3	-0.1	0.0	-0.1	-0.6	0.2	-0.3	-0.1	0.0	0.2	0.6
A-8	5	D0	4.3	-0.2	-0.4	0.0	0.0	-0.1	4.3	-0.2	-0.4	0.0	1.0	0.3
		DL	2.4	-0.3	-0.8	0.0	-0.3	-0.3	2.4	-0.3	-0.8	0.0	1.7	0.4
		LL	1.9	-0.2	-0.9	0.0	-0.3	-0.3	1.9	-0.2	-0.9	0.0	1.8	0.2
		EQX	1.2	0.0	1.2	0.0	0.5	0.0	1.2	0.0	1.2	0.0	-2.4	-0.1
		EQY	1.6	-0.9	0.2	0.0	-0.3	-0.4	1.6	-0.9	0.2	0.0	-0.7	1.7
		WLX	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	-0.1	0.0
		WLY	0.1	0.0	0.0	0.0	-0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.1
A-8	4	D0	4.7	-0.2	-0.4	0.0	-0.4	-0.3	4.7	-0.2	-0.4	0.0	0.0	-0.1
		DL	2.4	-0.3	-0.8	0.0	-1.0	-0.6	2.4	-0.3	-0.8	0.0	-0.3	-0.3
		LL	1.9	-0.2	-0.9	0.0	-1.1	-0.4	1.9	-0.2	-0.9	0.0	-0.3	-0.3
		EQX	1.2	0.1	1.3	-0.1	1.7	0.1	1.2	0.1	1.3	-0.1	0.5	0.0
		EQY	1.6	-1.0	-0.1	0.1	-0.4	-1.3	1.6	-1.0	-0.1	0.1	-0.3	-0.4
		WLX	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0
		WLY	0.1	-0.1	0.0	0.0	-0.1	-0.1	0.1	-0.1	0.0	0.0	-0.1	0.0
A-8	2-3	D0	9.2	-0.1	0.0	0.0	0.0	-0.2	9.2	-0.1	0.0	0.0	-0.1	0.2
		DL	6.2	-0.3	-0.2	0.0	-0.6	-0.7	6.2	-0.3	-0.2	0.0	0.4	0.7
		LL	5.4	-0.3	-0.2	0.0	-0.6	-0.6	5.4	-0.3	-0.2	0.0	0.4	0.6
		EQX	2.7	0.3	0.9	0.0	1.5	0.4	2.7	0.3	0.9	0.0	-2.1	-0.7
		EQY	6.0	-1.3	0.7	0.0	1.4	-1.8	6.0	-1.3	0.7	0.0	-1.7	3.5
		WLX	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
		WLY	0.3	-0.1	0.1	0.0	0.1	-0.1	0.3	-0.1	0.1	0.0	-0.2	0.2
A-8	1	D0	13.7	0.0	0.0	0.0	0.0	-0.1	13.7	0.0	0.0	0.0	0.0	0.1
		DL	10.0	-0.1	-0.2	0.0	-0.4	-0.2	10.0	-0.1	-0.2	0.0	0.7	0.4
		LL	8.9	-0.1	-0.2	0.0	-0.4	-0.2	8.9	-0.1	-0.2	0.0	0.6	0.4
		EQX	4.8	0.5	1.9	0.0	5.7	1.3	4.8	0.5	1.9	0.0	-3.0	-0.9
		EQY	13.3	-3.7	0.6	0.0	2.1	-9.7	13.3	-3.7	0.6	0.0	-0.8	7.2
		WLX	0.2	0.0	0.1	0.0	0.3	0.0	0.2	0.0	0.1	0.0	-0.2	0.0
		WLY	0.7	-0.2	0.0	0.0	0.1	-0.6	0.7	-0.2	0.0	0.0	-0.1	0.4
D-7	5	D0	3.1	-0.6	0.2	0.0	0.2	-0.4	3.1	-0.6	0.2	0.0	-0.3	0.9
		DL	2.4	-0.8	-0.2	0.0	-0.6	-0.6	2.4	-0.8	-0.2	0.0	-0.1	1.3
		LL	2.1	-0.7	-0.2	0.0	-0.3	-0.5	2.1	-0.7	-0.2	0.0	0.1	1.1
		EQX	2.3	-0.9	1.8	0.0	1.7	-1.0	2.3	-0.9	1.8	0.0	-2.4	1.1
		EQY	1.4	-0.2	0.7	0.0	0.8	0.7	1.4	-0.2	0.7	0.0	-0.8	1.2
		WLX	0.1	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.1	0.0	-0.1	0.0
		WLY	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1
D-7	3-4	D0	6.2	0.2	-0.2	0.0	-0.3	0.2	6.2	0.2	-0.2	0.0	0.3	-0.3
		DL	8.5	0.2	-1.5	0.0	-1.7	0.1	8.5	0.2	-1.5	0.0	1.7	-0.3
		LL	5.4	0.2	-0.7	0.0	-0.8	0.2	5.4	0.2	-0.7	0.0	0.8	-0.3
		EQX	7.4	0.0	3.0	0.0	3.6	-0.3	7.4	0.0	3.0	0.0	-3.6	-0.3
		EQY	-1.3	-2.4	0.4	0.0	0.5	-2.6	-1.3	-2.4	0.4	0.0	-0.5	3.1
		WLX	0.3	0.0	0.1	0.0	0.2	0.0	0.3	0.0	0.1	0.0	-0.1	0.0
		WLY	-0.1	-0.1	0.0	0.0	0.0	-0.2	-0.1	-0.1	0.0	0.0	0.0	0.2
D-7	2	D0	9.3	0.0	0.0	0.0	0.1	0.0	9.3	0.0	0.0	0.0	0.0	0.0
		DL	14.8	-0.1	-0.3	0.0	0.0	-0.1	14.8	-0.1	-0.3	0.0	0.7	0.2
		LL	8.9	-0.1	0.0	0.0	0.1	-0.1	8.9	-0.1	0.0	0.0	0.2	0.1
		EQX	13.0	-0.4	2.3	0.0	2.9	-0.4	13.0	-0.4	2.3	0.0	-2.7	0.5
		EQY	-7.0	-2.7	0.6	0.0	0.7	-2.2	-7.0	-2.7	0.6	0.0	-0.7	4.3
		WLX	0.5	0.0	0.1	0.0	0.1	0.0	0.5	0.0	0.1	0.0	-0.1	0.0
		WLY	-0.3	-0.1	0.1	0.0	0.2	-0.1	-0.3	-0.1	0.1	0.0	-0.2	0.2

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Column	Stry	Load	Axial	Shear2	Shear3	Torque	Mom-2	Mom-3	Axial	Shear2	Shear3	Torque	Mom-2	Mom-3
D-7	1	D0	12.0	0.0	0.0	0.0	0.0	0.0	12.0	0.0	0.0	0.0	-0.1	0.0
		DL	15.6	0.0	0.0	0.0	0.0	0.0	15.6	0.0	0.0	0.0	-0.1	0.0
		LL	9.8	0.0	0.0	0.0	0.0	0.0	9.8	0.0	0.0	0.0	-0.1	0.0
		EQX	20.1	0.4	1.8	0.0	4.9	1.1	20.1	0.4	1.8	0.0	-3.4	-0.8
		EQY	-17.6	-4.1	0.0	0.0	0.0	-10.5	-17.6	-4.1	0.0	0.0	-0.2	7.9
		WLX	0.8	0.0	0.1	0.0	0.3	0.0	0.8	0.0	0.1	0.0	-0.2	0.0
		WLY	-0.9	-0.2	-0.1	0.0	-0.1	-0.6	-0.9	-0.2	-0.1	0.0	0.1	0.5
C-7	5	D0	2.9	0.4	0.2	0.0	0.1	0.2	2.9	0.4	0.2	0.0	-0.3	-0.6
		DL	2.2	0.5	-0.2	0.0	-0.5	0.3	2.2	0.5	-0.2	0.0	0.0	-0.7
		LL	1.7	0.5	-0.1	0.0	-0.2	0.3	1.7	0.5	-0.1	0.0	0.1	-0.8
		EQX	2.3	0.3	0.9	0.0	0.5	0.4	2.3	0.3	0.9	0.0	-1.5	-0.4
		EQY	-0.8	-0.9	-0.3	0.0	-0.3	-0.6	-0.8	-0.9	-0.3	0.0	0.4	1.4
		WLX	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	-0.1	0.0
		WLY	-0.1	-0.1	0.0	0.0	0.0	-0.1	-0.1	-0.1	0.0	0.0	0.0	0.1
C-7	3-4	D0	6.1	0.2	-0.2	0.0	-0.2	0.2	6.1	0.2	-0.2	0.0	0.2	-0.2
		DL	6.8	0.1	-0.9	0.0	-1.2	0.2	6.8	0.1	-0.9	0.0	1.1	-0.1
		LL	4.8	0.1	-0.4	0.0	-0.6	0.1	4.8	0.1	-0.4	0.0	0.5	-0.1
		EQX	5.5	0.7	1.8	0.0	2.2	0.8	5.5	0.7	1.8	0.0	-2.0	-0.9
		EQY	1.7	-2.8	-0.4	0.0	-0.6	-3.0	1.7	-2.8	-0.4	0.0	0.2	3.7
		WLX	0.2	0.0	0.1	0.0	0.1	0.0	0.2	0.0	0.1	0.0	-0.1	0.0
		WLY	0.1	-0.2	-0.1	0.0	-0.1	-0.2	0.1	-0.2	-0.1	0.0	0.0	0.2
C-7	2	D0	9.4	0.2	0.0	0.0	0.1	0.2	9.4	0.2	0.0	0.0	0.0	-0.2
		DL	11.3	0.3	-0.2	0.0	0.1	0.4	11.3	0.3	-0.2	0.0	0.5	-0.2
		LL	7.8	0.2	0.0	0.0	0.2	0.4	7.8	0.2	0.0	0.0	0.1	-0.2
		EQX	9.7	1.0	0.7	0.0	0.7	1.1	9.7	1.0	0.7	0.0	-0.9	-1.4
		EQY	8.1	-3.5	0.1	0.0	0.2	-3.4	8.1	-3.5	0.1	0.0	0.0	5.0
		WLX	0.4	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0
		WLY	0.5	-0.2	0.1	0.0	0.1	-0.2	0.5	-0.2	0.1	0.0	-0.1	0.2
C-7	1	D0	12.6	0.0	0.0	0.0	0.1	0.1	12.6	0.0	0.0	0.0	-0.1	-0.1
		DL	13.1	0.1	0.0	0.0	0.0	0.1	13.1	0.1	0.0	0.0	-0.1	-0.2
		LL	9.6	0.1	0.0	0.0	0.0	0.1	9.6	0.1	0.0	0.0	-0.1	-0.2
		EQX	13.1	0.5	1.5	0.0	4.3	1.3	13.1	0.5	1.5	0.0	-2.4	-1.1
		EQY	18.6	-4.3	0.0	0.0	0.3	-10.8	18.6	-4.3	0.0	0.0	0.2	8.5
		WLX	0.6	0.0	0.1	0.0	0.3	0.0	0.6	0.0	0.1	0.0	-0.2	0.0
		WLY	1.1	-0.2	0.0	0.0	-0.1	-0.6	1.1	-0.2	0.0	0.0	0.1	0.5
G-5a	1	D0	3.4	0.0	-0.4	0.0	-0.6	-0.1	3.4	0.0	-0.4	0.0	1.2	0.0
		DL	3.9	0.0	-1.0	0.0	-1.5	0.0	3.9	0.0	-1.0	0.0	2.8	-0.1
		LL	1.3	0.0	-0.3	0.0	-0.5	0.0	1.3	0.0	-0.3	0.0	0.9	0.0
		EQX	-0.9	-0.3	1.0	0.0	2.7	-0.9	-0.9	-0.3	1.0	0.0	-1.8	0.7
		EQY	-1.4	-1.2	0.0	0.0	-0.2	-3.0	-1.4	-1.2	0.0	0.0	-0.2	2.4
		WLX	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
		WLY	-0.5	-0.4	0.0	0.0	0.0	-1.0	-0.5	-0.4	0.0	0.0	0.0	0.8
F-5a	1	D0	4.7	0.0	-0.3	0.0	-0.5	0.0	4.7	0.0	-0.3	0.0	1.0	-0.1
		DL	5.7	0.0	-1.0	0.0	-1.5	0.0	5.7	0.0	-1.0	0.0	2.8	0.0
		LL	2.5	0.0	-0.3	0.0	-0.5	0.0	2.5	0.0	-0.3	0.0	0.9	-0.1
		EQX	-0.5	-0.2	0.8	0.0	2.0	-0.6	-0.5	-0.2	0.8	0.0	-1.6	0.5
		EQY	1.4	-0.9	0.1	0.0	0.2	-2.1	1.4	-0.9	0.1	0.0	-0.2	1.9
		WLX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLY	0.5	-0.3	0.0	0.0	0.0	-0.7	0.5	-0.3	0.0	0.0	0.0	0.6
G-5	1	D0	3.4	0.0	0.4	0.0	0.6	-0.1	3.4	0.0	0.4	0.0	-1.2	0.1
		DL	3.9	0.0	1.0	0.0	1.5	-0.1	3.9	0.0	1.0	0.0	-2.9	0.0
		LL	1.3	0.0	0.3	0.0	0.5	-0.1	1.3	0.0	0.3	0.0	-1.0	0.0
		EQX	0.9	0.3	1.0	0.0	2.7	0.8	0.9	0.3	1.0	0.0	-1.8	-0.7
		EQY	-1.4	-1.2	0.0	0.0	-0.2	-3.0	-1.4	-1.2	0.0	0.0	-0.2	2.4
		WLX	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0
		WLY	-0.5	-0.4	0.0	0.0	0.0	-1.0	-0.5	-0.4	0.0	0.0	0.0	0.8
F-5	1	D0	4.7	0.0	0.3	0.0	0.5	0.0	4.7	0.0	0.3	0.0	-1.0	-0.1
		DL	5.6	0.0	1.0	0.0	1.5	-0.1	5.6	0.0	1.0	0.0	-2.8	0.0
		LL	2.4	0.0	0.3	0.0	0.5	0.0	2.4	0.0	0.3	0.0	-0.9	-0.1
		EQX	0.5	0.2	0.8	0.0	2.0	0.6	0.5	0.2	0.8	0.0	-1.6	-0.5
		EQY	1.4	-0.9	0.1	0.0	0.2	-2.0	1.4	-0.9	0.1	0.0	-0.2	1.9
		WLX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLY	0.5	-0.3	0.0	0.0	0.0	-0.7	0.5	-0.3	0.0	0.0	0.0	0.6

Company: AC INGENIERIA
Engineer: ALVARO CABALLERO
Project: CASA CORREGIDOR - SOGAMOSO BLOQUE NUEVO
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Column	Stry	Load	Axial	Shear2	Shear3	Torque	Mom-2	Mom-3	Axial	Shear2	Shear3	Torque	Mom-2	Mom-3
D-4	5	D0	2.8	-0.5	0.1	0.0	0.2	-0.4	2.8	-0.5	0.1	0.0	0.0	0.8
		DL	1.4	-0.8	0.9	0.0	1.4	-0.6	1.4	-0.8	0.9	0.0	-0.7	1.2
		LL	1.7	-0.7	0.4	0.0	0.6	-0.5	1.7	-0.7	0.4	0.0	-0.4	1.1
		EQX	-5.9	1.2	4.3	0.0	4.5	1.1	-5.9	1.2	4.3	0.0	-5.5	-1.5
		EQY	-0.7	-1.2	0.4	0.0	0.5	-0.9	-0.7	-1.2	0.4	0.0	-0.5	2.0
		WLX	-0.2	0.1	0.2	0.0	0.2	0.1	-0.2	0.1	0.2	0.0	-0.2	-0.1
		WLY	0.0	-0.1	0.0	0.0	0.0	-0.1	0.0	-0.1	0.0	0.0	0.0	0.1
D-4	3-4	D0	5.6	0.2	0.4	0.0	0.4	0.2	5.6	0.2	0.4	0.0	-0.5	-0.3
		DL	7.3	0.2	1.9	0.0	2.2	0.2	7.3	0.2	1.9	0.0	-2.3	-0.3
		LL	4.9	0.2	0.8	0.0	1.0	0.2	4.9	0.2	0.8	0.0	-1.0	-0.3
		EQX	-15.3	0.6	4.2	0.0	4.8	0.9	-15.3	0.6	4.2	0.0	-5.3	-0.5
		EQY	-4.4	-1.7	0.1	0.0	0.2	-1.8	-4.4	-1.7	0.1	0.0	-0.1	2.2
		WLX	-0.6	0.0	0.2	0.0	0.2	0.0	-0.6	0.0	0.2	0.0	-0.2	0.0
		WLY	-0.2	-0.1	0.0	0.0	0.0	-0.1	-0.2	-0.1	0.0	0.0	0.0	0.1
D-4	2	D0	8.7	0.0	0.1	0.0	0.1	0.0	8.7	0.0	0.1	0.0	-0.3	0.0
		DL	13.3	-0.1	1.0	0.0	0.8	-0.1	13.3	-0.1	1.0	0.0	-1.5	0.2
		LL	8.3	-0.1	0.3	0.0	0.2	-0.1	8.3	-0.1	0.3	0.0	-0.6	0.1
		EQX	-27.6	0.3	6.8	0.0	8.8	0.2	-27.6	0.3	6.8	0.0	-7.6	-0.4
		EQY	-12.2	-3.8	-0.1	0.0	-0.1	-4.4	-12.2	-3.8	-0.1	0.0	0.1	4.8
		WLX	-1.3	-0.1	0.3	0.0	0.4	-0.1	-1.3	-0.1	0.3	0.0	-0.4	0.1
		WLY	-0.7	-0.2	0.0	0.0	0.0	-0.3	-0.7	-0.2	0.0	0.0	0.0	0.3
D-4	1	D0	11.7	0.0	0.0	0.0	0.0	0.0	11.7	0.0	0.0	0.0	0.0	0.0
		DL	15.5	0.0	0.0	0.0	0.0	0.0	15.5	0.0	0.0	0.0	-0.1	0.0
		LL	9.5	0.0	0.0	0.0	0.0	0.0	9.5	0.0	0.0	0.0	0.0	0.0
		EQX	-38.9	0.3	1.6	0.0	4.0	0.7	-38.9	0.3	1.6	0.0	-3.1	-0.8
		EQY	-18.9	-1.4	-0.1	0.0	-0.3	-4.2	-18.9	-1.4	-0.1	0.0	0.2	2.3
		WLX	-2.0	0.0	0.1	0.0	0.2	0.0	-2.0	0.0	0.1	0.0	-0.2	-0.1
		WLY	-1.0	-0.1	0.0	0.0	0.0	-0.2	-1.0	-0.1	0.0	0.0	0.0	0.1
C-4	5	D0	2.7	0.4	0.1	0.0	0.2	0.3	2.7	0.4	0.1	0.0	0.0	-0.6
		DL	1.6	0.5	0.6	0.0	1.0	0.3	1.6	0.5	0.6	0.0	-0.4	-0.7
		LL	1.5	0.4	0.3	0.0	0.5	0.3	1.5	0.4	0.3	0.0	-0.3	-0.7
		EQX	-4.1	0.6	2.0	0.0	1.8	0.7	-4.1	0.6	2.0	0.0	-2.8	-0.8
		EQY	0.5	-1.5	-0.5	0.0	-0.5	-1.4	0.5	-1.5	-0.5	0.0	0.6	2.1
		WLX	-0.2	0.1	0.1	0.0	0.1	0.1	-0.2	0.1	0.1	0.0	-0.1	-0.1
		WLY	0.0	-0.1	0.0	0.0	0.0	-0.1	0.0	-0.1	0.0	0.0	0.0	0.1
C-4	3-4	D0	5.8	0.2	0.3	0.0	0.3	0.2	5.8	0.2	0.3	0.0	-0.4	-0.2
		DL	6.8	0.1	1.2	0.0	1.4	0.2	6.8	0.1	1.2	0.0	-1.5	-0.1
		LL	4.7	0.1	0.6	0.0	0.7	0.1	4.7	0.1	0.6	0.0	-0.7	-0.1
		EQX	-10.5	-0.2	2.4	0.0	2.7	-0.4	-10.5	-0.2	2.4	0.0	-3.0	0.2
		EQY	3.4	-2.4	-0.4	0.0	-0.6	-2.8	3.4	-2.4	-0.4	0.0	0.4	3.1
		WLX	-0.4	0.0	0.1	0.0	0.1	0.0	-0.4	0.0	0.1	0.0	-0.1	0.0
		WLY	0.2	-0.1	0.0	0.0	0.0	-0.2	0.2	-0.1	0.0	0.0	0.0	0.2
C-4	2	D0	9.3	0.2	0.1	0.0	0.1	0.2	9.3	0.2	0.1	0.0	-0.2	-0.2
		DL	11.7	0.2	0.5	0.0	0.4	0.4	11.7	0.2	0.5	0.0	-0.9	-0.2
		LL	7.9	0.2	0.2	0.0	0.1	0.3	7.9	0.2	0.2	0.0	-0.4	-0.2
		EQX	-22.6	-0.9	5.2	0.0	6.7	-1.0	-22.6	-0.9	5.2	0.0	-5.9	1.1
		EQY	10.9	-4.9	0.3	0.0	0.3	-5.7	10.9	-4.9	0.3	0.0	-0.3	6.0
		WLX	-0.8	-0.1	0.2	0.0	0.3	-0.1	-0.8	-0.1	0.2	0.0	-0.3	0.1
		WLY	0.6	-0.3	0.0	0.0	0.0	-0.4	0.6	-0.3	0.0	0.0	0.0	0.4
C-4	1	D0	12.9	0.0	0.0	0.0	0.0	0.1	12.9	0.0	0.0	0.0	0.0	-0.1
		DL	14.7	0.1	0.0	0.0	0.0	0.1	14.7	0.1	0.0	0.0	0.0	-0.2
		LL	9.9	0.1	0.0	0.0	-0.1	0.1	9.9	0.1	0.0	0.0	0.1	-0.2
		EQX	-32.3	0.2	1.1	0.0	3.3	0.6	-32.3	0.2	1.1	0.0	-1.8	-0.5
		EQY	17.0	-1.6	0.2	0.0	0.5	-4.5	17.0	-1.6	0.2	0.0	-0.3	2.9
		WLX	-1.2	0.0	0.1	0.0	0.2	0.0	-1.2	0.0	0.1	0.0	-0.1	0.0
		WLY	1.0	-0.1	0.0	0.0	0.0	-0.2	1.0	-0.1	0.0	0.0	0.0	0.1
G-3	5	D0	2.9	0.2	0.5	0.0	-0.6	0.2	2.9	0.2	0.5	0.0	-1.9	-0.3
		DL	1.0	0.3	0.3	0.0	-0.4	0.3	1.0	0.3	0.3	0.0	-1.1	-0.4
		LL	0.7	0.2	0.3	0.0	-0.3	0.1	0.7	0.2	0.3	0.0	-0.9	-0.2
		EQX	-0.1	-0.2	-0.2	0.0	-0.5	-0.2	-0.1	-0.2	-0.2	0.0	-0.1	0.2
		EQY	-1.1	-1.2	0.2	0.0	0.4	-1.1	-1.1	-1.2	0.2	0.0	0.0	1.6
		WLX	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLY	-0.1	-0.1	0.0	0.0	-0.1	-0.1	-0.1	-0.1	0.0	0.0	0.0	0.1

Company: AC INGENIERIA Engineer: ALVARO CABALLERO
Project: CASA CORREGIDOR - SOGAMOSO BLOQUE NUEVO 4:20:14 p. m. 4/05/2022

Column	Stry	Load	Axial	Shear2	Shear3	Torque	Mom-2	Mom-3	Axial	Shear2	Shear3	Torque	Mom-2	Mom-3
G-3	3-4	D0	4.6	0.2	0.2	0.0	0.1	0.2	4.6	0.2	0.2	0.0	-0.5	-0.2
		DL	1.3	0.2	0.1	0.0	0.0	0.2	1.3	0.2	0.1	0.0	-0.3	-0.2
		LL	0.8	0.1	0.1	0.0	0.1	0.1	0.8	0.1	0.1	0.0	-0.3	-0.1
		EQX	-0.2	-0.1	0.2	0.0	0.0	-0.1	-0.2	-0.1	0.2	0.0	-0.5	0.2
		EQY	-3.2	-1.5	0.0	0.0	0.4	-1.5	-3.2	-1.5	0.0	0.0	0.4	2.0
		WLX	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	-0.1	0.0
		WLY	-0.2	-0.1	0.0	0.0	-0.1	-0.1	-0.2	-0.1	0.0	0.0	-0.1	0.1
G-3	2	D0	6.2	0.2	0.1	0.0	0.3	0.2	6.2	0.2	0.1	0.0	0.1	-0.2
		DL	1.6	0.2	0.0	0.0	-0.1	0.3	1.6	0.2	0.0	0.0	0.0	-0.2
		LL	0.9	0.1	0.1	0.0	0.3	0.1	0.9	0.1	0.1	0.0	0.1	-0.1
		EQX	-0.5	-0.3	0.5	0.0	1.4	-0.4	-0.5	-0.3	0.5	0.0	0.1	0.3
		EQY	-6.4	-2.6	-0.3	0.0	-0.5	-3.1	-6.4	-2.6	-0.3	0.0	0.3	3.0
		WLX	-0.1	-0.1	0.1	0.0	0.1	-0.1	-0.1	-0.1	0.1	0.0	0.0	0.1
		WLY	-0.4	-0.2	0.1	0.0	0.1	-0.2	-0.4	-0.2	0.1	0.0	-0.1	0.2
G-3	1	D0	10.3	0.0	-0.1	0.0	-0.1	0.1	10.3	0.0	-0.1	0.0	0.2	-0.1
		DL	5.6	0.0	-0.1	0.0	-0.2	0.1	5.6	0.0	-0.1	0.0	0.4	-0.1
		LL	3.4	0.0	0.1	0.0	0.1	0.0	3.4	0.0	0.1	0.0	-0.2	-0.1
		EQX	-2.3	0.1	1.4	0.0	3.9	0.2	-2.3	0.1	1.4	0.0	-2.5	-0.1
		EQY	-8.7	-0.9	-1.3	0.0	-3.4	-2.5	-8.7	-0.9	-1.3	0.0	2.4	1.5
		WLX	-0.3	0.0	0.1	0.0	0.2	0.0	-0.3	0.0	0.1	0.0	-0.1	0.0
		WLY	-0.5	0.0	-0.1	0.0	-0.2	-0.1	-0.5	0.0	-0.1	0.0	0.1	0.1
F-3	5	D0	6.5	0.2	1.2	0.0	0.4	0.2	6.5	0.2	1.2	0.0	-2.4	-0.3
		DL	4.3	0.6	1.6	0.0	0.1	0.7	4.3	0.6	1.6	0.0	-3.5	-0.6
		LL	3.6	0.3	1.9	0.0	0.7	0.4	3.6	0.3	1.9	0.0	-3.7	-0.4
		EQX	-1.7	-0.1	2.4	0.0	2.2	-0.2	-1.7	-0.1	2.4	0.0	-3.4	0.2
		EQY	0.6	-2.2	0.0	0.0	1.0	-2.3	0.6	-2.2	0.0	0.0	1.0	2.9
		WLX	-0.1	0.0	0.1	0.0	0.1	0.0	-0.1	0.0	0.1	0.0	-0.2	0.0
		WLY	0.1	-0.1	0.0	0.0	0.0	-0.1	0.1	-0.1	0.0	0.0	0.1	0.2
F-3	3-4	D0	9.9	0.2	-0.5	0.0	-0.4	0.2	9.9	0.2	-0.5	0.0	0.8	-0.2
		DL	8.0	0.6	-1.3	0.0	-1.1	0.7	8.0	0.6	-1.3	0.0	1.9	-0.7
		LL	5.2	0.4	-0.7	0.0	-0.6	0.5	5.2	0.4	-0.7	0.0	1.1	-0.5
		EQX	-3.8	-0.1	2.0	0.0	2.3	-0.1	-3.8	-0.1	2.0	0.0	-2.6	0.2
		EQY	1.9	-2.5	0.1	0.0	1.0	-2.7	1.9	-2.5	0.1	0.0	0.8	3.3
		WLX	-0.2	0.0	0.1	0.0	0.1	0.0	-0.2	0.0	0.1	0.0	-0.1	0.1
		WLY	0.1	-0.1	0.0	0.0	0.1	-0.1	0.1	-0.1	0.0	0.0	0.1	0.2
F-3	2	D0	13.4	0.2	-0.2	0.0	-0.1	0.2	13.4	0.2	-0.2	0.0	0.2	-0.2
		DL	11.9	0.5	-0.9	0.0	-1.2	0.6	11.9	0.5	-0.9	0.0	0.9	-0.6
		LL	6.9	0.3	0.1	0.0	0.4	0.3	6.9	0.3	0.1	0.0	0.1	-0.4
		EQX	-6.0	-0.3	2.4	0.0	2.9	-0.3	-6.0	-0.3	2.4	0.0	-2.9	0.3
		EQY	4.3	-4.2	-1.4	0.0	-1.1	-5.1	4.3	-4.2	-1.4	0.0	2.3	4.9
		WLX	-0.3	-0.1	0.1	0.0	0.1	-0.1	-0.3	-0.1	0.1	0.0	-0.1	0.1
		WLY	0.3	-0.2	-0.2	0.0	-0.2	-0.3	0.3	-0.2	-0.2	0.0	0.2	0.3
F-3	1	D0	18.9	0.0	0.0	0.0	0.1	0.1	18.9	0.0	0.0	0.0	-0.1	-0.1
		DL	21.2	0.1	-0.1	0.0	-0.2	0.1	21.2	0.1	-0.1	0.0	0.3	-0.2
		LL	12.5	0.0	0.2	0.0	0.3	0.1	12.5	0.0	0.2	0.0	-0.6	-0.1
		EQX	-8.4	0.1	1.8	0.0	5.8	0.2	-8.4	0.1	1.8	0.0	-2.5	-0.2
		EQY	7.3	-1.3	-1.3	0.0	-4.1	-3.4	7.3	-1.3	-1.3	0.0	2.0	2.3
		WLX	-0.4	0.0	0.1	0.0	0.4	0.0	-0.4	0.0	0.1	0.0	-0.2	0.0
		WLY	0.5	-0.1	0.0	0.0	-0.1	-0.2	0.5	-0.1	0.0	0.0	-0.1	0.1
E-3	5	D0	5.2	-0.5	0.6	0.0	0.2	-0.5	5.2	-0.5	0.6	0.0	-1.1	0.6
		DL	2.9	-0.6	1.0	0.0	0.3	-0.7	2.9	-0.6	1.0	0.0	-2.0	0.7
		LL	2.2	-0.4	1.6	0.0	1.2	-0.5	2.2	-0.4	1.6	0.0	-2.4	0.5
		EQX	-1.8	-0.5	2.2	0.0	1.8	-0.6	-1.8	-0.5	2.2	0.0	-3.3	0.6
		EQY	-2.1	-3.0	-0.5	0.0	-0.3	-3.1	-2.1	-3.0	-0.5	0.0	0.9	3.9
		WLX	-0.1	0.0	0.1	0.0	0.1	0.0	-0.1	0.0	0.1	0.0	-0.1	0.1
		WLY	-0.1	-0.2	-0.1	0.0	0.0	-0.2	-0.1	-0.2	-0.1	0.0	0.1	0.2
E-3	3-4	D0	9.3	-0.2	-0.1	0.0	0.0	-0.3	9.3	-0.2	-0.1	0.0	0.2	0.3
		DL	12.2	-0.4	-0.5	0.0	-0.3	-0.5	12.2	-0.4	-0.5	0.0	0.8	0.5
		LL	7.8	-0.3	0.6	0.0	0.8	-0.4	7.8	-0.3	0.6	0.0	-0.6	0.4
		EQX	-4.7	-0.5	1.6	0.0	1.5	-0.6	-4.7	-0.5	1.6	0.0	-2.3	0.6
		EQY	-4.3	-3.1	0.0	0.0	0.4	-3.4	-4.3	-3.1	0.0	0.0	0.3	4.0
		WLX	-0.3	-0.1	0.1	0.0	0.1	-0.1	-0.3	-0.1	0.1	0.0	-0.1	0.1
		WLY	-0.2	-0.2	0.0	0.0	0.0	-0.2	-0.2	-0.2	0.0	0.0	0.0	0.2

Company: AC INGENIERIA Engineer: ALVARO CABALLERO
Project: CASA CORREGIDOR - SOGAMOSO BLOQUE NUEVO 4:20:14 p. m. 4/05/2022

Column	Stry	Load	Axial	Shear2	Shear3	Torque	Mom-2	Mom-3	Axial	Shear2	Shear3	Torque	Mom-2	Mom-3
E-3	2	D0	13.4	-0.3	0.0	0.0	-0.1	-0.4	13.4	-0.3	0.0	0.0	0.0	0.3
		DL	21.5	-0.5	-0.4	0.0	-0.7	-0.6	21.5	-0.5	-0.4	0.0	0.4	0.6
		LL	13.6	-0.3	0.8	0.0	1.0	-0.4	13.6	-0.3	0.8	0.0	-0.9	0.4
		EQX	-8.1	-0.9	2.7	0.0	3.4	-1.1	-8.1	-0.9	2.7	0.0	-3.1	1.0
		EQY	-7.1	-4.8	-0.7	0.0	-0.5	-5.9	-7.1	-4.8	-0.7	0.0	1.1	5.6
		WLX	-0.5	-0.1	0.1	0.0	0.1	-0.1	-0.5	-0.1	0.1	0.0	-0.1	0.1
		WLY	-0.3	-0.3	-0.1	0.0	-0.1	-0.3	-0.3	-0.3	-0.1	0.0	0.1	0.3
E-3	1	D0	18.8	0.0	0.0	0.0	0.0	-0.1	18.8	0.0	0.0	0.0	0.0	0.1
		DL	30.9	-0.1	-0.1	0.0	-0.1	-0.1	30.9	-0.1	-0.1	0.0	0.3	0.2
		LL	19.4	0.0	0.2	0.0	0.3	-0.1	19.4	0.0	0.2	0.0	-0.6	0.1
		EQX	-11.3	0.0	1.3	0.0	4.5	0.1	-11.3	0.0	1.3	0.0	-1.5	0.1
		EQY	-9.2	-1.3	-0.6	0.0	-1.8	-3.5	-9.2	-1.3	-0.6	0.0	0.9	2.6
		WLX	-0.7	0.0	0.1	0.0	0.3	0.0	-0.7	0.0	0.1	0.0	-0.1	0.0
		WLY	-0.5	-0.1	0.0	0.0	0.0	-0.2	-0.5	-0.1	0.0	0.0	-0.1	0.1
D-3	5	D0	3.1	-0.3	-0.2	0.0	-0.2	-0.3	3.1	-0.3	-0.2	0.0	0.2	0.4
		DL	2.5	-0.5	-0.1	0.0	-0.1	-0.5	2.5	-0.5	-0.1	0.0	0.0	0.6
		LL	1.3	-0.3	0.0	0.0	0.0	-0.4	1.3	-0.3	0.0	0.0	0.0	0.4
		EQX	12.1	-0.5	3.2	0.0	3.4	-0.7	12.1	-0.5	3.2	0.0	-4.0	0.6
		EQY	0.5	-1.3	0.0	0.0	0.1	-1.3	0.5	-1.3	0.0	0.0	0.1	1.7
		WLX	0.6	0.0	0.1	0.0	0.1	0.0	0.6	0.0	0.1	0.0	-0.2	0.0
		WLY	0.0	-0.1	0.0	0.0	0.0	-0.1	0.0	-0.1	0.0	0.0	0.0	0.1
D-3	4	D0	5.0	-0.2	-0.5	0.0	-0.2	0.1	5.0	-0.2	-0.5	0.0	0.2	0.2
		DL	5.2	-0.3	-0.2	0.0	-0.1	0.2	5.2	-0.3	-0.2	0.0	0.0	0.4
		LL	3.3	-0.2	0.2	0.0	0.0	0.1	3.3	-0.2	0.2	0.0	-0.1	0.2
		EQX	26.2	-0.5	20.0	0.0	5.6	0.2	26.2	-0.5	20.0	0.0	-8.0	0.6
		EQY	1.4	-1.3	-0.3	0.1	0.2	1.3	1.4	-1.3	-0.3	0.1	0.4	2.2
		WLX	1.4	-0.1	0.8	0.0	0.2	0.0	1.4	-0.1	0.8	0.0	-0.3	0.1
		WLY	0.0	-0.1	0.0	0.0	0.0	0.1	0.0	-0.1	0.0	0.0	0.0	0.1
D-3	3	D0	5.0	-0.2	0.0	0.0	0.0	-0.2	5.0	-0.2	0.0	0.0	0.0	0.1
		DL	4.1	-0.3	0.0	0.0	0.0	-0.4	4.1	-0.3	0.0	0.0	0.0	0.2
		LL	2.2	-0.2	0.1	0.0	0.1	-0.2	2.2	-0.2	0.1	0.0	-0.1	0.1
		EQX	14.2	-0.6	8.0	0.0	7.4	-0.7	14.2	-0.6	8.0	0.0	-6.5	0.2
		EQY	-4.4	-1.7	-0.4	0.1	-0.3	-1.7	-4.4	-1.7	-0.4	0.1	0.4	1.2
		WLX	0.9	0.0	0.3	0.0	0.3	0.0	0.9	0.0	0.3	0.0	-0.3	0.0
		WLY	-0.2	-0.1	0.0	0.0	0.0	-0.1	-0.2	-0.1	0.0	0.0	0.0	0.1
D-3	2	D0	7.4	-0.2	-0.1	0.0	-0.1	-0.2	7.4	-0.2	-0.1	0.0	0.1	0.2
		DL	6.6	-0.3	-0.1	0.0	-0.1	-0.4	6.6	-0.3	-0.1	0.0	0.1	0.4
		LL	4.0	-0.2	-0.1	0.0	-0.1	-0.3	4.0	-0.2	-0.1	0.0	0.1	0.3
		EQX	0.8	-1.2	8.4	0.0	10.4	-1.6	0.8	-1.2	8.4	0.0	-9.8	1.3
		EQY	-14.9	-3.2	0.0	0.0	0.2	-4.0	-14.9	-3.2	0.0	0.0	0.1	3.7
		WLX	0.3	-0.1	0.4	0.0	0.5	-0.1	0.3	-0.1	0.4	0.0	-0.5	0.1
		WLY	-0.5	-0.2	-0.1	0.0	-0.1	-0.2	-0.5	-0.2	-0.1	0.0	0.1	0.2
D-3	1	D0	9.9	0.0	0.0	0.0	0.0	0.0	9.9	0.0	0.0	0.0	0.0	0.1
		DL	8.0	0.0	0.0	0.0	0.0	-0.1	8.0	0.0	0.0	0.0	0.0	0.1
		LL	5.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.1
		EQX	-67.8	-0.2	1.8	0.0	5.0	-0.2	-67.8	-0.2	1.8	0.0	-3.3	0.5
		EQY	-26.0	-1.2	0.0	0.0	-0.2	-3.2	-26.0	-1.2	0.0	0.0	-0.1	2.1
		WLX	-3.8	0.0	0.1	0.0	0.3	0.0	-3.8	0.0	0.1	0.0	-0.2	0.0
		WLY	-1.4	-0.1	0.0	0.0	0.0	-0.2	-1.4	-0.1	0.0	0.0	0.0	0.1
B-3	5	D0	3.8	0.1	0.2	0.0	0.2	0.1	3.8	0.1	0.2	0.0	-0.2	-0.2
		DL	1.3	0.1	0.4	0.0	0.3	0.1	1.3	0.1	0.4	0.0	-0.5	-0.1
		LL	0.7	0.1	0.5	0.0	0.5	0.1	0.7	0.1	0.5	0.0	-0.7	-0.1
		EQX	-1.3	0.7	2.7	0.0	2.6	0.8	-1.3	0.7	2.7	0.0	-3.6	-0.8
		EQY	2.4	-3.2	1.1	0.0	1.1	-3.1	2.4	-3.2	1.1	0.0	-1.4	4.3
		WLX	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.0	-0.1	0.0
		WLY	0.1	-0.2	0.1	0.0	0.1	-0.2	0.1	-0.2	0.1	0.0	-0.1	0.2
B-3	4	D0	5.7	0.5	-1.0	0.0	-0.2	0.1	5.7	0.5	-1.0	0.0	0.4	-0.2
		DL	3.1	0.9	-0.6	0.0	0.3	0.4	3.1	0.9	-0.6	0.0	0.7	-0.1
		LL	1.6	0.9	0.0	0.0	0.4	0.5	1.6	0.9	0.0	0.0	0.4	-0.1
		EQX	-4.1	1.5	1.6	0.0	-1.3	-0.4	-4.1	1.5	1.6	0.0	-2.2	-1.3
		EQY	9.1	-3.1	1.4	0.0	-0.3	0.9	9.1	-3.1	1.4	0.0	-1.2	2.7
		WLX	0.0	0.1	0.1	0.0	0.0	0.1	0.0	0.1	0.1	0.0	-0.1	0.0
		WLY	0.5	0.0	0.1	0.0	0.0	0.1	0.5	0.0	0.1	0.0	-0.1	0.1

Company: AC INGENIERIA
Engineer: ALVARO CABALLERO
Project: CASA CORREGIDOR - SOGAMOSO BLOQUE NUEVO
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Column	Stry	Load	Axial	Shear2	Shear3	Torque	Mom-2	Mom-3	Axial	Shear2	Shear3	Torque	Mom-2	Mom-3
B-3	3	D0	8.8	0.1	-0.2	0.0	-0.3	0.1	8.8	0.1	-0.2	0.0	-0.1	0.0
		DL	7.2	0.6	0.2	0.0	-0.4	0.3	7.2	0.6	0.2	0.0	-0.7	-0.6
		LL	5.5	0.6	0.4	0.0	-0.1	0.3	5.5	0.6	0.4	0.0	-0.6	-0.6
		EQX	-5.5	1.1	3.7	0.0	0.8	1.4	-5.5	1.1	3.7	0.0	-4.4	-0.2
		EQY	5.2	-5.6	1.0	0.0	0.6	-3.5	5.2	-5.6	1.0	0.0	-0.9	4.4
		WLX	-0.1	-0.1	0.1	0.0	0.0	0.0	-0.1	-0.1	0.1	0.0	-0.2	0.1
		WLY	0.2	-0.4	0.1	0.0	0.1	-0.2	0.2	-0.4	0.1	0.0	-0.1	0.3
B-3	2	D0	11.8	0.1	-0.3	0.0	-0.3	0.2	11.8	0.1	-0.3	0.0	0.4	-0.1
		DL	9.3	0.3	-0.3	0.0	-0.1	0.5	9.3	0.3	-0.3	0.0	0.6	-0.2
		LL	6.4	0.2	0.1	0.0	0.3	0.5	6.4	0.2	0.1	0.0	0.1	-0.1
		EQX	-7.2	1.9	3.0	0.0	4.8	2.5	-7.2	1.9	3.0	0.0	-2.3	-2.0
		EQY	14.5	-4.5	1.7	0.0	2.1	-6.2	14.5	-4.5	1.7	0.0	-2.1	4.7
		WLX	-0.1	0.0	0.2	0.0	0.3	0.0	-0.1	0.0	0.2	0.0	-0.2	0.0
		WLY	0.8	-0.3	0.1	0.0	0.1	-0.4	0.8	-0.3	0.1	0.0	-0.1	0.3
B-3	1	D0	16.5	0.0	0.0	0.0	-0.1	0.1	16.5	0.0	0.0	0.0	0.0	-0.1
		DL	15.5	0.1	0.1	0.0	0.1	0.2	15.5	0.1	0.1	0.0	-0.2	-0.4
		LL	11.4	0.1	0.1	0.0	0.1	0.2	11.4	0.1	0.1	0.0	-0.3	-0.3
		EQX	-12.9	0.5	1.1	0.0	3.7	0.8	-12.9	0.5	1.1	0.0	-1.3	-1.3
		EQY	17.2	-1.6	0.8	0.0	2.0	-3.9	17.2	-1.6	0.8	0.0	-1.5	3.3
		WLX	-0.3	0.0	0.1	0.0	0.2	0.0	-0.3	0.0	0.1	0.0	-0.1	0.0
		WLY	0.9	-0.1	0.0	0.0	0.1	-0.2	0.9	-0.1	0.0	0.0	-0.1	0.2
A-3	5	D0	4.4	-0.2	0.3	0.0	0.0	-0.1	4.4	-0.2	0.3	0.0	-0.8	0.3
		DL	2.4	-0.2	0.7	0.0	0.2	-0.3	2.4	-0.2	0.7	0.0	-1.5	0.3
		LL	1.9	-0.2	0.8	0.0	0.2	-0.3	1.9	-0.2	0.8	0.0	-1.7	0.2
		EQX	-1.1	0.1	0.7	0.0	-0.5	0.2	-1.1	0.1	0.7	0.0	-2.2	-0.2
		EQY	1.7	-1.1	0.1	0.0	-0.5	-0.6	1.7	-1.1	0.1	0.0	-0.8	2.1
		WLX	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	-0.1	0.0
		WLY	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	-0.1	0.1
A-3	4	D0	4.8	-0.2	0.3	0.0	0.3	-0.2	4.8	-0.2	0.3	0.0	0.0	-0.1
		DL	2.4	-0.2	0.7	0.0	0.9	-0.5	2.4	-0.2	0.7	0.0	0.2	-0.3
		LL	1.9	-0.2	0.8	0.0	0.9	-0.4	1.9	-0.2	0.8	0.0	0.2	-0.3
		EQX	-1.1	0.1	1.2	-0.1	0.6	0.3	-1.1	0.1	1.2	-0.1	-0.5	0.2
		EQY	1.7	-1.2	-0.3	0.1	-0.7	-1.7	1.7	-1.2	-0.3	0.1	-0.5	-0.6
		WLX	0.0	-0.1	0.0	0.0	-0.1	0.0	0.0	-0.1	0.0	0.0	0.0	0.1
		WLY	0.1	-0.2	0.0	0.0	0.0	-0.1	0.1	-0.2	0.0	0.0	0.0	0.0
A-3	2-3	D0	9.3	-0.1	-0.1	0.0	-0.2	-0.2	9.3	-0.1	-0.1	0.0	0.3	0.1
		DL	6.4	-0.3	0.2	0.0	0.5	-0.7	6.4	-0.3	0.2	0.0	-0.3	0.6
		LL	5.6	-0.3	0.2	0.0	0.5	-0.6	5.6	-0.3	0.2	0.0	-0.2	0.5
		EQX	-3.4	0.0	1.7	0.0	3.7	-0.3	-3.4	0.0	1.7	0.0	-3.5	-0.2
		EQY	5.4	-1.5	0.4	0.0	0.6	-2.9	5.4	-1.5	0.4	0.0	-1.3	3.3
		WLX	-0.1	0.0	0.1	0.0	0.2	-0.1	-0.1	0.0	0.1	0.0	-0.2	0.0
		WLY	0.3	-0.1	0.0	0.0	0.1	-0.2	0.3	-0.1	0.0	0.0	-0.1	0.2
A-3	1	D0	14.0	0.0	0.0	0.0	-0.1	-0.1	14.0	0.0	0.0	0.0	0.0	0.1
		DL	10.5	-0.2	0.1	0.0	0.2	-0.2	10.5	-0.2	0.1	0.0	-0.5	0.5
		LL	9.5	-0.1	0.1	0.0	0.2	-0.2	9.5	-0.1	0.1	0.0	-0.5	0.4
		EQX	-4.9	0.0	0.9	0.0	3.3	0.1	-4.9	0.0	0.9	0.0	-0.6	0.0
		EQY	8.0	-1.2	1.1	0.0	3.2	-3.2	8.0	-1.2	1.1	0.0	-1.7	2.0
		WLX	-0.1	0.0	0.0	0.0	0.1	0.0	-0.1	0.0	0.0	0.0	0.0	0.0
		WLY	0.4	-0.1	0.0	0.0	0.1	-0.2	0.4	-0.1	0.0	0.0	-0.1	0.1
G-1	1	D0	3.2	0.1	0.2	0.0	0.3	0.1	3.2	0.1	0.2	0.0	-0.5	-0.2
		DL	2.3	0.1	0.4	0.0	0.6	0.1	2.3	0.1	0.4	0.0	-1.0	-0.2
		LL	0.7	0.0	0.1	0.0	0.2	0.0	0.7	0.0	0.1	0.0	-0.3	0.0
		EQX	1.5	-0.2	1.7	0.0	4.4	-0.6	1.5	-0.2	1.7	0.0	-3.4	0.5
		EQY	-2.5	-1.0	-1.4	0.0	-3.6	-2.3	-2.5	-1.0	-1.4	0.0	2.8	2.0
		WLX	0.1	0.0	0.1	0.0	0.3	-0.1	0.1	0.0	0.1	0.0	-0.2	0.1
		WLY	-0.1	-0.1	-0.1	0.0	-0.1	-0.2	-0.1	-0.1	-0.1	0.0	0.1	0.1
F-1	5	D0	2.6	0.4	0.1	0.0	0.1	0.5	2.6	0.4	0.1	0.0	-0.1	-0.6
		DL	0.4	0.2	0.1	0.0	0.5	0.3	0.4	0.2	0.1	0.0	0.2	-0.2
		LL	0.0	0.1	-0.2	0.0	-0.2	0.2	0.0	0.1	-0.2	0.0	0.4	-0.1
		EQX	1.5	-0.4	2.5	0.0	2.2	-0.4	1.5	-0.4	2.5	0.0	-3.5	0.5
		EQY	-0.9	-1.3	0.7	0.0	1.1	-1.2	-0.9	-1.3	0.7	0.0	-0.7	1.8
		WLX	0.1	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.1	0.0	-0.2	0.1
		WLY	-0.1	-0.1	-0.1	0.0	0.0	0.0	-0.1	-0.1	-0.1	0.0	0.1	0.1

Company: AC INGENIERIA Engineer: ALVARO CABALLERO
Project: CASA CORREGIDOR - SOGAMOSO BLOQUE NUEVO 4:20:14 p. m. 4/05/2022

Column	Stry	Load	Axial	Shear2	Shear3	Torque	Mom-2	Mom-3	Axial	Shear2	Shear3	Torque	Mom-2	Mom-3
F-1	3-4	D0	5.7	0.2	0.5	0.0	0.5	0.2	5.7	0.2	0.5	0.0	-0.7	-0.2
		DL	4.0	0.1	1.2	0.0	1.2	0.1	4.0	0.1	1.2	0.0	-1.8	-0.2
		LL	1.2	0.0	0.7	0.0	0.7	0.0	1.2	0.0	0.7	0.0	-1.0	0.0
		EQX	3.5	-0.3	2.0	0.0	2.3	-0.4	3.5	-0.3	2.0	0.0	-2.6	0.3
		EQY	-2.2	-1.0	0.1	0.0	1.0	-1.0	-2.2	-1.0	0.1	0.0	0.8	1.5
		WLX	0.1	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.1	0.0	-0.1	0.0
		WLY	-0.1	0.0	0.0	0.0	0.1	0.0	-0.1	0.0	0.0	0.0	0.1	0.1
F-1	2	D0	8.7	0.3	0.2	0.0	0.4	0.3	8.7	0.3	0.2	0.0	-0.2	-0.3
		DL	7.5	0.3	1.3	0.0	2.1	0.3	7.5	0.3	1.3	0.0	-1.0	-0.3
		LL	2.4	0.1	0.2	0.0	0.5	0.1	2.4	0.1	0.2	0.0	-0.1	-0.1
		EQX	5.8	0.4	2.4	0.0	2.9	0.5	5.8	0.4	2.4	0.0	-2.9	-0.4
		EQY	-4.3	-2.2	-1.4	0.0	-1.1	-3.2	-4.3	-2.2	-1.4	0.0	2.3	2.0
		WLX	0.2	0.0	0.1	0.0	0.1	-0.1	0.2	0.0	0.1	0.0	-0.1	0.0
		WLY	-0.3	-0.1	-0.2	0.0	-0.2	-0.2	-0.3	-0.1	-0.2	0.0	0.2	0.1
F-1	1	D0	13.3	0.0	0.1	0.0	0.2	0.0	13.3	0.0	0.1	0.0	-0.3	-0.1
		DL	13.2	0.0	0.5	0.0	0.8	0.0	13.2	0.0	0.5	0.0	-1.5	-0.1
		LL	4.3	0.0	0.2	0.0	0.3	0.0	4.3	0.0	0.2	0.0	-0.6	0.0
		EQX	8.3	-0.3	1.8	0.0	5.8	-0.7	8.3	-0.3	1.8	0.0	-2.5	0.6
		EQY	-5.3	-0.9	-1.3	0.0	-4.1	-2.4	-5.3	-0.9	-1.3	0.0	2.0	1.6
		WLX	0.4	0.0	0.1	0.0	0.4	-0.1	0.4	0.0	0.1	0.0	-0.2	0.1
		WLY	-0.3	-0.1	0.0	0.0	-0.1	-0.2	-0.3	-0.1	0.0	0.0	-0.1	0.1
E-1	5	D0	3.3	-0.2	0.3	0.0	0.2	-0.2	3.3	-0.2	0.3	0.0	-0.4	0.2
		DL	0.8	-0.1	0.8	0.0	1.3	-0.1	0.8	-0.1	0.8	0.0	-0.5	0.1
		LL	0.3	0.0	0.2	0.0	0.3	0.0	0.3	0.0	0.2	0.0	-0.1	0.0
		EQX	1.5	-0.5	1.9	0.0	1.6	-0.6	1.5	-0.5	1.9	0.0	-2.8	0.6
		EQY	-0.6	-2.7	0.3	0.0	0.5	-2.8	-0.6	-2.7	0.3	0.0	-0.2	3.5
		WLX	0.1	-0.1	0.1	0.0	0.1	-0.1	0.1	-0.1	0.1	0.0	-0.1	0.1
		WLY	0.0	-0.1	0.0	0.0	0.0	-0.1	0.0	-0.1	0.0	0.0	0.0	0.1
E-1	3-4	D0	6.9	-0.2	0.4	0.0	0.4	-0.2	6.9	-0.2	0.4	0.0	-0.5	0.2
		DL	6.3	-0.3	1.8	0.0	1.9	-0.3	6.3	-0.3	1.8	0.0	-2.4	0.3
		LL	2.2	-0.2	0.7	0.0	0.8	-0.2	2.2	-0.2	0.7	0.0	-0.9	0.2
		EQX	3.6	-0.4	1.7	0.0	1.6	-0.6	3.6	-0.4	1.7	0.0	-2.4	0.4
		EQY	-1.9	-2.6	0.0	0.0	0.4	-3.0	-1.9	-2.6	0.0	0.0	0.5	3.2
		WLX	0.1	-0.1	0.1	0.0	0.1	-0.1	0.1	-0.1	0.1	0.0	-0.1	0.1
		WLY	-0.1	-0.1	0.0	0.0	0.0	-0.1	-0.1	-0.1	0.0	0.0	0.0	0.1
E-1	2	D0	10.4	-0.2	0.3	0.0	0.4	-0.2	10.4	-0.2	0.3	0.0	-0.3	0.2
		DL	11.8	-0.1	1.7	0.0	2.4	-0.2	11.8	-0.1	1.7	0.0	-1.7	0.2
		LL	3.9	0.0	0.5	0.0	0.7	0.0	3.9	0.0	0.5	0.0	-0.5	0.0
		EQX	6.1	0.6	2.7	0.0	3.4	0.7	6.1	0.6	2.7	0.0	-3.1	-0.7
		EQY	-3.6	-3.2	-0.6	0.0	-0.5	-4.0	-3.6	-3.2	-0.6	0.0	1.0	3.7
		WLX	0.2	-0.1	0.1	0.0	0.1	-0.1	0.2	-0.1	0.1	0.0	-0.1	0.1
		WLY	-0.2	-0.2	-0.1	0.0	-0.1	-0.2	-0.2	-0.2	-0.1	0.0	0.1	0.2
E-1	1	D0	14.9	0.0	0.1	0.0	0.1	-0.1	14.9	0.0	0.1	0.0	-0.3	0.1
		DL	17.3	0.0	0.4	0.0	0.7	-0.1	17.3	0.0	0.4	0.0	-1.3	0.1
		LL	5.7	0.0	0.2	0.0	0.2	0.0	5.7	0.0	0.2	0.0	-0.5	0.1
		EQX	8.4	-0.3	1.3	0.0	4.5	-0.8	8.4	-0.3	1.3	0.0	-1.5	0.6
		EQY	-5.5	-0.9	-0.6	0.0	-1.8	-2.3	-5.5	-0.9	-0.6	0.0	0.9	1.5
		WLX	0.3	0.0	0.1	0.0	0.3	-0.1	0.3	0.0	0.1	0.0	-0.1	0.1
		WLY	-0.3	-0.1	0.0	0.0	0.0	-0.2	-0.3	-0.1	0.0	0.0	-0.1	0.1
D-1	5	D0	3.0	0.2	-0.1	0.0	-0.1	0.2	3.0	0.2	-0.1	0.0	0.1	-0.2
		DL	0.7	0.1	0.0	0.0	0.1	0.1	0.7	0.1	0.0	0.0	0.1	0.0
		LL	0.3	0.1	-0.1	0.0	-0.1	0.1	0.3	0.1	-0.1	0.0	0.1	-0.1
		EQX	3.2	-0.6	3.4	0.0	3.1	-0.7	3.2	-0.6	3.4	0.0	-4.7	0.8
		EQY	0.1	-2.7	-0.4	0.0	-0.4	-2.8	0.1	-2.7	-0.4	0.0	0.6	3.5
		WLX	0.1	-0.1	0.1	0.0	0.1	-0.1	0.1	-0.1	0.1	0.0	-0.2	0.1
		WLY	0.0	-0.1	0.0	0.0	0.0	-0.1	0.0	-0.1	0.0	0.0	0.0	0.1
D-1	3-4	D0	6.1	0.0	0.0	0.0	0.0	0.0	6.1	0.0	0.0	0.0	0.0	0.0
		DL	3.9	0.0	0.4	0.0	0.4	0.1	3.9	0.0	0.4	0.0	-0.5	0.0
		LL	1.3	0.0	0.1	0.0	0.1	0.0	1.3	0.0	0.1	0.0	-0.2	0.1
		EQX	7.5	-0.5	2.7	0.0	2.7	-0.7	7.5	-0.5	2.7	0.0	-3.8	0.6
		EQY	0.2	-2.8	-0.5	0.0	-0.5	-3.3	0.2	-2.8	-0.5	0.0	0.6	3.5
		WLX	0.3	-0.1	0.1	0.0	0.1	-0.1	0.3	-0.1	0.1	0.0	-0.1	0.1
		WLY	0.0	-0.1	0.0	0.0	0.0	-0.1	0.0	-0.1	0.0	0.0	0.0	0.2

Company: AC INGENIERIA Engineer: ALVARO CABALLERO
Project: CASA CORREGIDOR - SOGAMOSO BLOQUE NUEVO 4:20:14 p. m. 4/05/2022

Column	Stry	Load	Axial	Shear2	Shear3	Torque	Mom-2	Mom-3	Axial	Shear2	Shear3	Torque	Mom-2	Mom-3
D-1	2	D0	9.2	0.1	0.0	0.0	0.0	0.1	9.2	0.1	0.0	0.0	0.0	-0.1
		DL	7.4	0.2	0.3	0.0	0.5	0.2	7.4	0.2	0.3	0.0	-0.3	-0.3
		LL	2.8	0.2	0.0	0.0	0.1	0.1	2.8	0.2	0.0	0.0	0.0	-0.2
		EQX	13.0	0.6	4.9	0.0	6.3	0.8	13.0	0.6	4.9	0.0	-5.5	-0.7
		EQY	-0.6	-3.4	-1.0	0.0	-1.3	-4.2	-0.6	-3.4	-1.0	0.0	1.0	3.9
		WLX	0.6	-0.1	0.2	0.0	0.3	-0.1	0.6	-0.1	0.2	0.0	-0.3	0.1
		WLY	-0.1	-0.2	-0.1	0.0	-0.1	-0.2	-0.1	-0.2	-0.1	0.0	0.1	0.2
D-1	1	D0	13.3	0.0	0.0	0.0	0.0	0.0	13.3	0.0	0.0	0.0	-0.1	0.0
		DL	10.5	0.0	0.1	0.0	0.2	0.0	10.5	0.0	0.1	0.0	-0.3	0.0
		LL	3.7	0.0	0.0	0.0	0.0	0.0	3.7	0.0	0.0	0.0	-0.1	0.0
		EQX	18.1	-0.3	1.3	0.0	4.2	-0.7	18.1	-0.3	1.3	0.0	-1.8	0.6
		EQY	-1.0	-0.9	-0.3	0.0	-0.6	-2.3	-1.0	-0.9	-0.3	0.0	0.7	1.5
		WLX	0.8	0.0	0.1	0.0	0.2	-0.1	0.8	0.0	0.1	0.0	-0.1	0.1
		WLY	-0.1	-0.1	0.0	0.0	0.0	-0.2	-0.1	-0.1	0.0	0.0	0.0	0.1
B-1	5	D0	3.5	-0.1	0.5	0.0	0.5	-0.1	3.5	-0.1	0.5	0.0	-0.6	0.1
		DL	0.7	0.0	0.4	0.0	0.6	0.0	0.7	0.0	0.4	0.0	-0.4	0.1
		LL	0.2	0.1	0.2	0.0	0.3	0.2	0.2	0.1	0.2	0.0	-0.2	0.0
		EQX	1.5	-1.0	1.9	0.0	1.8	-0.9	1.5	-1.0	1.9	0.0	-2.5	1.3
		EQY	-0.4	-2.5	0.4	0.0	0.4	-2.4	-0.4	-2.5	0.4	0.0	-0.6	3.4
		WLX	0.0	-0.1	0.1	0.0	0.0	-0.1	0.0	-0.1	0.1	0.0	-0.1	0.1
		WLY	0.0	-0.1	0.0	0.0	0.0	-0.1	0.0	-0.1	0.0	0.0	0.0	0.1
B-1	4	D0	5.6	-0.4	0.5	0.0	0.2	0.1	5.6	-0.4	0.5	0.0	-0.1	0.4
		DL	2.8	-0.5	0.2	0.0	-0.2	0.3	2.8	-0.5	0.2	0.0	-0.4	0.6
		LL	0.9	-0.3	-0.2	0.0	-0.2	0.2	0.9	-0.3	-0.2	0.0	0.0	0.4
		EQX	3.4	-1.0	1.4	0.0	-0.7	-0.3	3.4	-1.0	1.4	0.0	-1.5	0.3
		EQY	1.7	-1.7	0.5	0.0	0.0	-0.3	1.7	-1.7	0.5	0.0	-0.3	0.7
		WLX	0.2	0.0	0.1	0.0	0.0	0.1	0.2	0.0	0.1	0.0	-0.1	0.0
		WLY	0.1	-0.1	0.0	0.0	0.0	0.0	0.1	-0.1	0.0	0.0	0.0	0.0
B-1	3	D0	7.6	-0.2	0.2	0.0	-0.1	-0.3	7.6	-0.2	0.2	0.0	-0.4	0.0
		DL	4.6	-0.1	0.0	0.0	-0.2	-0.5	4.6	-0.1	0.0	0.0	-0.2	-0.4
		LL	2.6	0.1	0.0	0.0	-0.1	-0.4	2.6	0.1	0.0	0.0	-0.1	-0.5
		EQX	5.1	-1.1	2.3	0.0	-1.0	-0.9	5.1	-1.1	2.3	0.0	-4.2	0.7
		EQY	-1.3	-4.4	0.2	0.0	-0.6	-2.5	-1.3	-4.4	0.2	0.0	-0.8	3.7
		WLX	0.2	-0.2	0.0	0.0	-0.1	-0.1	0.2	-0.2	0.0	0.0	-0.2	0.1
		WLY	0.0	-0.2	0.0	0.0	0.0	-0.1	0.0	-0.2	0.0	0.0	-0.1	0.2
B-1	2	D0	9.6	-0.2	0.1	0.0	0.4	-0.2	9.6	-0.2	0.1	0.0	0.0	0.2
		DL	6.9	-0.3	0.3	0.0	0.6	-0.1	6.9	-0.3	0.3	0.0	-0.1	0.6
		LL	4.3	-0.1	0.1	0.0	0.2	0.1	4.3	-0.1	0.1	0.0	0.0	0.4
		EQX	5.5	-0.4	1.6	0.0	3.3	-0.6	5.5	-0.4	1.6	0.0	-0.6	0.3
		EQY	1.7	-2.1	0.4	0.0	0.5	-3.5	1.7	-2.1	0.4	0.0	-0.6	1.6
		WLX	0.2	0.0	0.1	0.0	0.2	-0.1	0.2	0.0	0.1	0.0	-0.1	0.0
		WLY	0.1	-0.1	0.0	0.0	0.0	-0.2	0.1	-0.1	0.0	0.0	0.0	0.1
B-1	1	D0	14.1	0.0	0.1	0.0	0.1	-0.1	14.1	0.0	0.1	0.0	-0.3	0.1
		DL	11.0	0.0	0.1	0.0	0.2	0.1	11.0	0.0	0.1	0.0	-0.4	-0.1
		LL	6.8	0.1	0.0	0.0	0.0	0.1	6.8	0.1	0.0	0.0	-0.2	-0.2
		EQX	7.7	-0.4	1.0	0.0	3.5	-0.9	7.7	-0.4	1.0	0.0	-0.9	0.9
		EQY	1.8	-1.0	0.6	0.0	1.6	-2.6	1.8	-1.0	0.6	0.0	-0.9	2.0
		WLX	0.3	0.0	0.0	0.0	0.2	-0.1	0.3	0.0	0.0	0.0	0.0	0.1
		WLY	0.1	-0.1	0.0	0.0	0.1	-0.2	0.1	-0.1	0.0	0.0	0.0	0.2
A-1	5	D0	2.6	-0.1	0.3	0.0	0.2	-0.1	2.6	-0.1	0.3	0.0	-0.5	0.3
		DL	0.5	-0.2	0.0	0.0	0.0	-0.3	0.5	-0.2	0.0	0.0	-0.1	0.2
		LL	0.2	-0.2	0.0	0.0	0.0	-0.2	0.2	-0.2	0.0	0.0	0.1	0.2
		EQX	1.1	-0.4	0.8	0.0	-0.5	-0.3	1.1	-0.4	0.8	0.0	-2.3	0.6
		EQY	1.3	-1.1	0.1	0.0	-0.5	-0.6	1.3	-1.1	0.1	0.0	-0.7	2.0
		WLX	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	-0.1	0.1
		WLY	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1
A-1	4	D0	3.0	-0.1	0.3	0.0	0.5	-0.2	3.0	-0.1	0.3	0.0	0.2	-0.1
		DL	0.5	-0.2	0.0	0.0	0.1	-0.5	0.5	-0.2	0.0	0.0	0.0	-0.3
		LL	0.2	-0.2	0.0	0.0	0.0	-0.4	0.2	-0.2	0.0	0.0	0.0	-0.2
		EQX	1.1	-0.4	1.2	-0.1	0.7	-0.7	1.1	-0.4	1.2	-0.1	-0.5	-0.3
		EQY	1.3	-1.2	-0.3	0.1	-0.7	-1.7	1.3	-1.2	-0.3	0.1	-0.5	-0.6
		WLX	0.1	0.0	0.0	0.0	-0.1	-0.1	0.1	0.0	0.0	0.0	0.0	0.0
		WLY	0.1	0.0	0.0	0.0	0.0	-0.1	0.1	0.0	0.0	0.0	0.0	0.0

Column	Stry	Load	Axial	Shear2	Shear3	Torque	Mom-2	Mom-3	Axial	Shear2	Shear3	Torque	Mom-2	Mom-3
A-1	2-3	D0	6.8	-0.1	0.2	0.0	0.4	-0.2	6.8	-0.1	0.2	0.0	-0.3	0.2
		DL	2.7	-0.3	0.0	0.0	0.0	-0.6	2.7	-0.3	0.0	0.0	-0.1	0.6
		LL	2.1	-0.2	0.0	0.0	0.0	-0.5	2.1	-0.2	0.0	0.0	-0.1	0.5
		EQX	3.3	0.0	1.7	0.0	3.7	0.3	3.3	0.0	1.7	0.0	-3.5	0.4
		EQY	4.4	-1.1	0.5	0.0	0.6	-2.3	4.4	-1.1	0.5	0.0	-1.4	2.3
		WLX	0.2	0.0	0.1	0.0	0.2	0.0	0.2	0.0	0.1	0.0	-0.2	0.1
		WLY	0.2	0.0	0.0	0.0	0.1	-0.1	0.2	0.0	0.0	0.0	-0.1	0.1
A-1	1	D0	10.5	0.0	0.1	0.0	0.1	-0.1	10.5	0.0	0.1	0.0	-0.3	0.1
		DL	4.7	-0.1	0.0	0.0	-0.1	-0.2	4.7	-0.1	0.0	0.0	0.0	0.4
		LL	3.9	-0.1	0.0	0.0	-0.1	-0.2	3.9	-0.1	0.0	0.0	0.0	0.3
		EQX	5.3	-0.3	0.9	0.0	3.3	-0.7	5.3	-0.3	0.9	0.0	-0.6	0.5
		EQY	7.2	-0.7	1.1	0.0	3.2	-2.1	7.2	-0.7	1.1	0.0	-1.7	1.2
		WLX	0.3	0.0	0.0	0.0	0.1	-0.1	0.3	0.0	0.0	0.0	0.0	0.1
		WLY	0.4	-0.1	0.0	0.0	0.1	-0.2	0.4	-0.1	0.0	0.0	-0.1	0.1

P-Delta Analysis- Beam End Forces

Units: ton, ton-m

			END I X/L = 0.0						M2(+)max		END J X/L = 1.0					
Beam	Floor	Load	Axl	Shr2	Shr3	Torque	M2	M3	M2	X/L	Axl	Shr2	Shr3	Torque	M2	M3
A(1-3)	2	D0	0.0	0.0	-0.8	0.0	-0.5	0.0	0.4	.45	0.0	0.0	1.0	0.0	-0.8	0.0
		DL	0.0	0.0	-0.1	0.0	0.0	0.0	0.1	.25	0.0	0.0	0.2	0.0	-0.4	0.0
		LL	0.0	0.0	-0.1	0.0	0.0	0.0	0.1	.2	0.0	0.0	0.2	0.0	-0.4	0.0
		EQX	0.0	0.0	-1.8	0.0	-4.2	0.0	4.2	1.0	0.0	0.0	-1.8	0.0	4.2	0.0
		EQY	0.0	0.0	-1.0	0.0	-2.4	0.0	2.4	1.0	0.0	0.0	-1.0	0.0	2.4	0.0
		WLX	0.0	0.0	-0.1	0.0	-0.2	0.0	0.2	1.0	0.0	0.0	-0.1	0.0	0.2	0.0
		WLY	0.0	0.0	-0.1	0.0	-0.1	0.0	0.1	1.0	0.0	0.0	-0.1	0.0	0.1	0.0
A(3-4)	2	D0	0.0	0.0	-0.7	0.0	-0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		DL	0.0	0.0	-1.2	0.0	-1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		LL	0.0	0.0	-1.2	0.0	-1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		EQX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		EQY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
A(7-8)	2	D0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	-0.7	0.0
		DL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	-1.2	0.0
		LL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	-1.1	0.0
		EQX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		EQY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
A(8-9)	2	D0	0.0	0.0	-0.8	0.0	-0.6	0.0	0.3	.5	0.0	0.0	0.8	0.0	-0.5	0.0
		DL	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		LL	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		EQX	0.0	0.0	-2.2	0.0	-4.7	0.0	4.7	1.0	0.0	0.0	-2.2	0.0	4.7	0.0
		EQY	0.0	0.0	-1.0	0.0	-2.2	0.0	2.2	1.0	0.0	0.0	-1.0	0.0	2.2	0.0
		WLX	0.0	0.0	-0.1	0.0	-0.2	0.0	0.2	1.0	0.0	0.0	-0.1	0.0	0.2	0.0
		WLY	0.0	0.0	-0.1	0.0	-0.2	0.0	0.2	1.0	0.0	0.0	-0.1	0.0	0.2	0.0
B(1-3)	2	D0	0.0	0.0	-0.8	0.0	-0.5	0.0	0.4	.45	0.0	0.0	0.9	0.0	-0.8	0.0
		DL	0.0	0.0	-1.2	0.0	-0.7	0.0	0.6	.45	0.0	0.0	1.5	0.0	-1.3	0.0
		LL	0.0	0.0	-0.5	0.0	-0.2	0.0	0.2	.4	0.0	0.0	0.6	0.0	-0.6	0.0
		EQX	0.0	0.0	-1.7	0.0	-4.0	0.0	3.9	1.0	0.0	0.0	-1.7	0.0	3.9	0.0
		EQY	0.0	0.0	-0.5	0.0	-1.3	0.0	1.1	1.0	0.0	0.0	-0.5	0.0	1.1	0.0
		WLX	0.0	0.0	-0.1	0.0	-0.2	0.0	0.2	1.0	0.0	0.0	-0.1	0.0	0.2	0.0
		WLY	0.0	0.0	0.0	0.0	-0.1	0.0	0.1	1.0	0.0	0.0	0.0	0.0	0.1	0.0
B(3-4)	2	D0	0.0	0.0	-0.6	0.0	-0.5	0.0	0.0	.95	0.0	0.0	0.0	0.0	0.0	0.0
		DL	0.0	0.0	-1.6	0.0	-1.3	0.0	0.0	.95	0.0	0.0	0.1	0.0	0.0	0.0
		LL	0.0	0.0	-1.5	0.0	-1.1	0.0	0.1	.9	0.0	0.0	0.2	0.0	0.0	0.0
		EQX	0.0	0.0	-1.1	0.1	-2.0	0.0	0.0	0.0	0.0	0.0	-1.1	0.1	-0.1	0.0
		EQY	0.0	0.0	-1.3	0.0	-2.5	0.0	0.0	0.0	0.0	0.0	-1.3	0.0	-0.1	0.0
		WLX	0.0	0.0	-0.1	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0
		WLY	0.0	0.0	-0.1	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0

Company: AC INGENIERIA Engineer: ALVARO CABALLERO
Project: CASA CORREGIDOR - SOGAMOSO BLOQUE NUEVO 4:20:14 p. m. 4/05/2022

Beam	Floor	Load	Axl	Shr2	Shr3	Torque	M2	M3	M2	X/L	Axl	Shr2	Shr3	Torque	M2	M3
B(7-8)	2	D0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	.1	0.0	0.0	0.6	0.0	-0.5	0.0
		DL	0.0	0.0	-0.2	0.0	0.0	0.0	0.1	.1	0.0	0.0	1.6	0.0	-1.2	0.0
		LL	0.0	0.0	-0.2	0.0	0.0	0.0	0.1	.15	0.0	0.0	1.5	0.0	-1.1	0.0
		EQX	0.0	0.0	-1.0	0.1	0.1	0.0	1.8	1.0	0.0	0.0	-1.0	0.1	1.8	0.0
		EQY	0.0	0.0	1.2	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	1.2	-0.1	-2.1	0.0
		WLX	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.0	0.0	0.0	0.0	0.0	0.1	0.0
		WLY	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	-0.1	0.0
B(8-9)	2	D0	0.0	0.0	-0.8	0.0	-0.6	0.0	0.3	.5	0.0	0.0	0.8	0.0	-0.5	0.0
		DL	0.0	0.0	-1.2	0.0	-0.9	0.0	0.4	.5	0.0	0.0	1.1	0.0	-0.7	0.0
		LL	0.0	0.0	-0.4	0.0	-0.4	0.0	0.1	.55	0.0	0.0	0.3	0.0	-0.2	0.0
		EQX	0.0	0.0	-1.8	0.0	-3.8	0.0	3.9	1.0	0.0	0.0	-1.8	0.0	3.9	0.0
		EQY	0.0	0.0	-0.6	0.0	-1.5	0.0	1.3	1.0	0.0	0.0	-0.6	0.0	1.3	0.0
		WLX	0.0	0.0	-0.1	0.0	-0.2	0.0	0.2	1.0	0.0	0.0	-0.1	0.0	0.2	0.0
		WLY	0.0	0.0	-0.1	0.0	-0.1	0.0	0.1	1.0	0.0	0.0	-0.1	0.0	0.1	0.0
C(1-2)	2	D0	0.0	0.0	-0.2	0.0	0.1	0.0	0.1	.3	0.0	0.0	0.5	0.0	-0.4	0.0
		DL	0.0	0.0	-0.9	0.0	0.2	0.0	0.6	.35	0.0	0.0	1.9	0.0	-1.2	0.0
		LL	0.0	0.0	-0.3	0.0	0.1	0.0	0.2	.35	0.0	0.0	0.6	0.0	-0.4	0.0
		EQX	0.0	0.0	-0.7	0.0	-0.2	0.0	1.8	1.0	0.0	0.0	-0.7	0.0	1.8	0.0
		EQY	0.0	0.0	-0.3	0.0	-0.1	0.0	0.9	1.0	0.0	0.0	-0.3	0.0	0.9	0.0
		WLX	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.0	0.0	0.0	0.0	0.0	0.1	0.0
		WLY	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.0	0.0	0.0	0.0	0.0	0.1	0.0
C(2-3)	2	D0	0.0	0.0	-0.3	0.0	-0.1	0.0	0.0	.55	0.0	0.0	0.2	0.0	-0.1	0.0
		DL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
		LL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
		EQX	0.0	0.0	1.3	0.0	1.2	0.0	1.2	0.0	0.0	0.0	1.3	0.0	-1.2	0.0
		EQY	0.0	0.0	0.3	0.0	0.3	0.0	0.3	0.0	0.0	0.0	0.3	0.0	-0.3	0.0
		WLX	0.0	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.0	-0.1	0.0
		WLY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C(3-4)	2	D0	0.0	0.0	-0.3	0.0	-0.1	0.0	0.0	.6	0.0	0.0	0.2	0.0	0.0	0.0
		DL	0.0	0.0	-1.0	0.0	-0.5	0.0	0.2	.7	0.0	0.0	0.4	0.0	0.1	0.0
		LL	0.0	0.0	-0.9	0.0	-0.4	0.0	0.1	.65	0.0	0.0	0.5	0.0	0.0	0.0
		EQX	0.0	0.0	-7.7	0.0	-7.1	0.0	7.3	1.0	0.0	0.0	-7.7	0.0	7.3	0.0
		EQY	0.0	0.0	-0.6	0.0	-0.6	0.0	0.5	1.0	0.0	0.0	-0.6	0.0	0.5	0.0
		WLX	0.0	0.0	-0.4	0.0	-0.3	0.0	0.3	1.0	0.0	0.0	-0.4	0.0	0.3	0.0
		WLY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C(4-4a)	2	D0	0.0	0.0	-0.3	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		DL	0.0	0.0	-0.7	0.0	-0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		LL	0.0	0.0	-0.2	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		EQX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		EQY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C(7-8)	2	D0	0.0	0.0	-0.1	0.0	-0.2	0.0	0.0	0.0	0.0	0.0	0.3	0.0	-0.4	0.0
		DL	0.0	0.0	0.3	0.0	-0.2	0.0	0.0	0.0	0.0	0.0	1.5	0.0	-1.7	0.0
		LL	0.0	0.0	-0.4	0.0	-0.2	0.0	0.0	0.0	0.0	0.0	0.8	0.0	-0.5	0.0
		EQX	0.0	0.0	-1.9	0.0	-3.1	0.0	0.0	0.0	0.0	0.0	-1.9	0.0	-0.1	0.0
		EQY	0.0	0.0	-0.1	0.1	-0.3	0.0	0.0	0.0	0.0	0.0	-0.1	0.1	-0.1	0.0
		WLX	0.0	0.0	-0.1	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0
		WLY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C(8-9)	2	D0	0.0	0.0	-0.7	0.0	-0.4	0.0	0.6	.55	0.0	0.0	0.6	0.0	0.0	0.0
		DL	0.0	0.0	-2.7	0.0	-1.6	0.0	1.9	.6	0.0	0.0	1.9	0.0	0.1	0.0
		LL	0.0	0.0	-0.9	0.0	-0.5	0.0	0.6	.6	0.0	0.0	0.6	0.0	0.0	0.0
		EQX	0.0	0.0	0.0	0.0	0.1	0.0	0.2	1.0	0.0	0.0	0.0	0.0	0.2	0.0
		EQY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
D(1-2)	2	D0	0.0	0.0	-0.4	0.0	0.0	0.0	0.2	.35	0.0	0.0	0.7	0.0	-0.5	0.0
		DL	0.0	0.0	-1.5	0.0	-0.4	0.0	0.5	.4	0.0	0.0	2.1	0.0	-1.2	0.0
		LL	0.0	0.0	-0.5	0.0	-0.1	0.0	0.2	.4	0.0	0.0	0.7	0.0	-0.4	0.0
		EQX	0.0	0.0	-5.1	0.0	-7.5	0.0	7.0	1.0	0.0	0.0	-5.1	0.0	7.0	0.0
		EQY	0.0	0.0	1.5	0.0	1.9	0.0	1.9	0.0	0.0	0.0	1.5	0.0	-2.4	0.0
		WLX	0.0	0.0	-0.2	0.0	-0.3	0.0	0.3	1.0	0.0	0.0	-0.2	0.0	0.3	0.0
		WLY	0.0	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.0	-0.1	0.0

Company: AC INGENIERIA Engineer: ALVARO CABALLERO
Project: CASA CORREGIDOR - SOGAMOSO BLOQUE NUEVO 4:20:14 p. m. 4/05/2022

Beam	Floor	Load	Axl	Shr2	Shr3	Torque	M2	M3	M2	X/L	Axl	Shr2	Shr3	Torque	M2	M3
D(2-3)	2	D0	0.0	0.0	-0.4	0.0	-0.1	0.0	0.0	.55	0.0	0.0	0.3	0.0	-0.1	0.0
		DL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
		LL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
		EQX	0.0	0.0	2.4	0.0	2.0	0.0	2.0	0.0	0.0	0.0	2.4	0.0	-2.0	0.0
		EQY	0.0	0.0	-0.6	0.0	-0.5	0.0	0.6	1.0	0.0	0.0	-0.6	0.0	0.6	0.0
		WLX	0.0	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.0	-0.1	0.0
		WLY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
D(3-4)	2	D0	0.0	0.0	-0.4	0.0	-0.1	0.0	0.1	.6	0.0	0.0	0.2	0.0	0.0	0.0
		DL	0.0	0.0	-1.4	0.0	-0.7	0.0	0.3	.85	0.0	0.0	0.2	0.0	0.2	0.0
		LL	0.0	0.0	-1.2	0.0	-0.5	0.0	0.2	.7	0.0	0.0	0.5	0.0	0.1	0.0
		EQX	0.0	0.0	-12.5	0.0	-10.3	0.0	9.7	1.0	0.0	0.0	-12.5	0.0	9.7	0.0
		EQY	0.0	0.0	0.5	0.0	0.5	0.0	0.5	0.0	0.0	0.0	0.5	0.0	-0.3	0.0
		WLX	0.0	0.0	-0.6	0.0	-0.5	0.0	0.5	1.0	0.0	0.0	-0.6	0.0	0.5	0.0
		WLY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
D(4-4a)	2	D0	0.0	0.0	-0.3	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		DL	0.0	0.0	-1.3	0.0	-0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		LL	0.0	0.0	-0.4	0.0	-0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		EQX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		EQY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
D(7-8)	2	D0	0.0	0.0	-0.3	0.0	-0.1	0.0	0.0	.5	0.0	0.0	0.3	0.0	-0.1	0.0
		DL	0.0	0.0	-0.5	0.0	0.0	0.0	0.1	.25	0.0	0.0	1.4	0.0	-0.7	0.0
		LL	0.0	0.0	-0.7	0.0	0.0	0.0	0.2	.35	0.0	0.0	1.1	0.0	-0.4	0.0
		EQX	0.0	0.0	-6.4	0.0	-5.5	0.0	4.7	1.0	0.0	0.0	-6.4	0.0	4.7	0.0
		EQY	0.0	0.0	-0.9	0.0	-0.7	0.0	0.8	1.0	0.0	0.0	-0.9	0.0	0.8	0.0
		WLX	0.0	0.0	-0.3	0.0	-0.3	0.0	0.2	1.0	0.0	0.0	-0.3	0.0	0.2	0.0
		WLY	0.0	0.0	-0.1	0.0	-0.1	0.0	0.1	1.0	0.0	0.0	-0.1	0.0	0.1	0.0
D(8-9)	2	D0	0.0	0.0	-0.8	0.0	-0.5	0.0	0.4	.5	0.0	0.0	0.9	0.0	-0.6	0.0
		DL	0.0	0.0	-2.9	0.0	-1.9	0.0	1.2	.5	0.0	0.0	3.0	0.0	-2.0	0.0
		LL	0.0	0.0	-1.0	0.0	-0.6	0.0	0.4	.5	0.0	0.0	1.0	0.0	-0.7	0.0
		EQX	0.0	0.0	-1.7	0.0	-3.4	0.0	4.0	1.0	0.0	0.0	-1.7	0.0	4.0	0.0
		EQY	0.0	0.0	0.1	0.0	0.2	0.0	0.2	0.0	0.0	0.0	0.1	0.0	-0.2	0.0
		WLX	0.0	0.0	-0.1	0.0	-0.2	0.0	0.2	1.0	0.0	0.0	-0.1	0.0	0.2	0.0
		WLY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
E(1-3)	2	D0	0.0	0.0	-0.8	0.0	-0.5	0.0	0.4	.5	0.0	0.0	0.9	0.0	-0.7	0.0
		DL	0.0	0.0	-4.3	0.0	-2.8	0.0	1.8	.5	0.0	0.0	4.5	0.0	-3.3	0.0
		LL	0.0	0.0	-1.4	0.0	-0.9	0.0	0.5	.45	0.0	0.0	1.6	0.0	-1.3	0.0
		EQX	0.0	0.0	-2.2	0.0	-4.9	0.0	4.9	1.0	0.0	0.0	-2.2	0.0	4.9	0.0
		EQY	0.0	0.0	0.7	0.0	1.5	0.0	1.5	0.0	0.0	0.0	0.7	0.0	-1.5	0.0
		WLX	0.0	0.0	-0.1	0.0	-0.2	0.0	0.2	1.0	0.0	0.0	-0.1	0.0	0.2	0.0
		WLY	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	-0.1	0.0
E(3-4)	2	D0	0.0	0.0	-0.7	0.0	-0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		DL	0.0	0.0	-2.9	0.0	-2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		LL	0.0	0.0	-2.9	0.0	-2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		EQX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		EQY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E(7-8)	2	D0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	-0.7	0.0
		DL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	0.0	-3.2	0.0
		LL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	0.0	-2.9	0.0
		EQX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		EQY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E(8-9)	2	D0	0.0	0.0	-0.8	0.0	-0.6	0.0	0.3	.5	0.0	0.0	0.9	0.0	-0.6	0.0
		DL	0.0	0.0	-4.4	0.0	-3.2	0.0	1.8	.5	0.0	0.0	4.3	0.0	-2.9	0.0
		LL	0.0	0.0	-1.5	0.0	-1.3	0.0	0.5	.55	0.0	0.0	1.4	0.0	-0.9	0.0
		EQX	0.0	0.0	-2.1	0.0	-4.6	0.0	4.8	1.0	0.0	0.0	-2.1	0.0	4.8	0.0
		EQY	0.0	0.0	0.6	0.0	1.2	0.0	1.2	0.0	0.0	0.0	0.6	0.0	-1.3	0.0
		WLX	0.0	0.0	-0.1	0.0	-0.2	0.0	0.3	1.0	0.0	0.0	-0.1	0.0	0.3	0.0
		WLY	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	-0.1	0.0

Company: AC INGENIERIA Engineer: ALVARO CABALLERO
Project: CASA CORREGIDOR - SOGAMOSO BLOQUE NUEVO 4:20:14 p. m. 4/05/2022

Beam	Floor	Load	Axl	Shr2	Shr3	Torque	M2	M3	M2	X/L	Axl	Shr2	Shr3	Torque	M2	M3
F(1-3)	2	D0	0.0	0.0	-0.8	0.0	-0.5	0.0	0.3	.5	0.0	0.0	0.9	0.0	-0.7	0.0
		DL	0.0	0.0	-4.3	0.0	-2.7	0.0	1.9	.5	0.0	0.0	4.6	0.0	-3.3	0.0
		LL	0.0	0.0	-1.3	0.0	-0.8	0.0	0.6	.45	0.0	0.0	1.6	0.0	-1.4	0.0
		EQX	0.0	0.0	-2.5	0.0	-5.5	0.0	5.5	1.0	0.0	0.0	-2.5	0.0	5.5	0.0
		EQY	0.0	0.0	1.5	0.0	3.3	0.0	3.3	0.0	0.0	0.0	1.5	0.0	-3.3	0.0
		WLX	0.0	0.0	-0.1	0.0	-0.3	0.0	0.3	1.0	0.0	0.0	-0.1	0.0	0.3	0.0
		WLY	0.0	0.0	0.1	0.0	0.2	0.0	0.2	0.0	0.0	0.0	0.1	0.0	-0.2	0.0
F(3-4)	2	D0	0.0	0.0	-0.7	0.0	-0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		DL	0.0	0.0	-2.4	0.0	-2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		LL	0.0	0.0	-2.4	0.0	-2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		EQX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		EQY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
F(5-5a)	2	D0	0.0	0.0	-1.3	0.0	-0.9	0.0	1.2	.5	0.0	0.0	1.3	0.0	-0.9	0.0
		DL	0.0	0.0	-3.6	0.0	-2.4	0.0	3.4	.5	0.0	0.0	3.6	0.0	-2.4	0.0
		LL	0.0	0.0	-1.2	0.0	-0.8	0.0	1.1	.5	0.0	0.0	1.2	0.0	-0.8	0.0
		EQX	0.0	0.0	-0.5	0.0	-1.7	0.0	1.7	1.0	0.0	0.0	-0.5	0.0	1.7	0.0
		EQY	0.0	0.0	-0.1	0.0	-0.2	0.0	0.2	1.0	0.0	0.0	-0.1	0.0	0.2	0.0
		WLX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
F(7-8)	2	D0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	-0.7	0.0
		DL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	0.0	-2.3	0.0
		LL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	0.0	-2.3	0.0
		EQX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		EQY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
F(8-9)	2	D0	0.0	0.0	-0.8	0.0	-0.6	0.0	0.3	.5	0.0	0.0	0.9	0.0	-0.6	0.0
		DL	0.0	0.0	-4.6	0.0	-3.3	0.0	1.9	.5	0.0	0.0	4.4	0.0	-2.9	0.0
		LL	0.0	0.0	-1.6	0.0	-1.3	0.0	0.6	.55	0.0	0.0	1.4	0.0	-0.9	0.0
		EQX	0.0	0.0	-2.5	0.0	-5.5	0.0	5.5	1.0	0.0	0.0	-2.5	0.0	5.5	0.0
		EQY	0.0	0.0	1.4	0.0	3.0	0.0	3.0	0.0	0.0	0.0	1.4	0.0	-3.1	0.0
		WLX	0.0	0.0	-0.2	0.0	-0.3	0.0	0.3	1.0	0.0	0.0	-0.2	0.0	0.3	0.0
		WLY	0.0	0.0	0.1	0.0	0.2	0.0	0.2	0.0	0.0	0.0	0.1	0.0	-0.2	0.0
G(1-3)	2	D0	0.0	0.0	-0.8	0.0	-0.4	0.0	0.5	.5	0.0	0.0	0.9	0.0	-0.6	0.0
		DL	0.0	0.0	-1.8	0.0	-0.8	0.0	1.0	.45	0.0	0.0	2.1	0.0	-1.4	0.0
		LL	0.0	0.0	-0.5	0.0	-0.2	0.0	0.3	.4	0.0	0.0	0.8	0.0	-0.7	0.0
		EQX	0.0	0.0	-1.7	0.0	-3.6	0.0	4.1	1.0	0.0	0.0	-1.7	0.0	4.1	0.0
		EQY	0.0	0.0	1.4	0.0	3.0	0.0	3.0	0.0	0.0	0.0	1.4	0.0	-3.1	0.0
		WLX	0.0	0.0	-0.1	0.0	-0.2	0.0	0.3	1.0	0.0	0.0	-0.1	0.0	0.3	0.0
		WLY	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	-0.1	0.0
G(3-4)	2	D0	0.0	0.0	-0.7	0.0	-0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		DL	0.0	0.0	-1.2	0.0	-1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		LL	0.0	0.0	-1.2	0.0	-1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		EQX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		EQY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G(5-5a)	2	D0	0.0	0.0	-1.3	0.0	-1.0	0.0	1.1	.5	0.0	0.0	1.3	0.0	-1.0	0.0
		DL	0.0	0.0	-3.1	0.0	-2.5	0.0	2.6	.5	0.0	0.0	3.1	0.0	-2.5	0.0
		LL	0.0	0.0	-1.0	0.0	-0.8	0.0	0.9	.5	0.0	0.0	1.0	0.0	-0.8	0.0
		EQX	0.0	0.0	-0.6	0.0	-2.0	0.0	2.0	1.0	0.0	0.0	-0.6	0.0	2.0	0.0
		EQY	0.0	0.0	0.0	0.0	-0.2	0.0	0.2	1.0	0.0	0.0	0.0	0.0	0.2	0.0
		WLX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
G(7-8)	2	D0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	-0.7	0.0
		DL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	-1.2	0.0
		LL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	-1.2	0.0
		EQX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		EQY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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Beam	Floor	Load	Axl	Shr2	Shr3	Torque	M2	M3	M2	X/L	Axl	Shr2	Shr3	Torque	M2	M3
G(8-9)	2	D0	0.0	0.0	-0.8	0.0	-0.4	0.0	0.5	.45	0.0	0.0	0.9	0.0	-0.7	0.0
		DL	0.0	0.0	-2.0	0.0	-1.3	0.0	1.0	.5	0.0	0.0	1.9	0.0	-1.2	0.0
		LL	0.0	0.0	-0.7	0.0	-0.6	0.0	0.2	.55	0.0	0.0	0.6	0.0	-0.4	0.0
		EQX	0.0	0.0	-2.1	0.0	-4.7	0.0	5.0	1.0	0.0	0.0	-2.1	0.0	5.0	0.0
		EQY	0.0	0.0	1.1	-0.1	2.6	0.0	2.6	0.0	0.0	0.0	1.1	-0.1	-2.7	0.0
		WLX	0.0	0.0	-0.2	0.0	-0.4	0.0	0.4	1.0	0.0	0.0	-0.2	0.0	0.4	0.0
		WLY	0.0	0.0	0.1	0.0	0.3	0.0	0.3	0.0	0.0	0.0	0.1	0.0	-0.3	0.0
B(1'-3)	3	D0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	-1.3	0.0
		DL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.0	-1.8	0.0
		LL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	-0.6	0.0
		EQX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		EQY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
B(3-4)	3	D0	0.0	0.0	-0.7	0.0	-0.5	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
		DL	0.0	0.0	-0.7	0.0	-0.8	0.0	0.0	0.0	0.0	0.0	-0.2	0.0	0.0	0.0
		LL	0.0	0.0	-0.6	0.0	-0.5	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
		EQX	0.0	0.0	-2.1	0.1	-3.8	0.0	0.0	0.0	0.0	0.0	-2.1	0.1	-0.3	0.0
		EQY	0.0	0.0	-1.6	0.1	-2.8	0.0	0.0	0.0	0.0	0.0	-1.6	0.1	-0.2	0.0
		WLX	0.0	0.0	-0.1	0.0	-0.2	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0
		WLY	0.0	0.0	-0.1	0.0	-0.2	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0
B(7-8)	3	D0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	-0.6	0.0
		DL	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	-0.6	0.0
		LL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	-0.5	0.0
		EQX	0.0	0.0	-1.7	0.1	0.2	0.0	3.1	1.0	0.0	0.0	-1.7	0.1	3.1	0.0
		EQY	0.0	0.0	0.9	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.9	-0.1	-1.6	0.0
		WLX	0.0	0.0	-0.1	0.0	0.0	0.0	0.1	1.0	0.0	0.0	-0.1	0.0	0.1	0.0
		WLY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0
B(8-14)	3	D0	0.0	0.0	-1.0	0.0	-1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		DL	0.0	0.0	-1.4	0.0	-1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		LL	0.0	0.0	-0.5	0.0	-0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		EQX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		EQY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C(1-2)	3	D0	0.0	0.0	-0.2	0.0	0.0	0.0	0.1	.3	0.0	0.0	0.5	0.0	-0.4	0.0
		DL	0.0	0.0	-0.5	0.0	0.1	0.0	0.4	.3	0.0	0.0	1.2	0.0	-0.9	0.0
		LL	0.0	0.0	-0.2	0.0	0.0	0.0	0.1	.25	0.0	0.0	0.4	0.0	-0.4	0.0
		EQX	0.0	0.0	-0.7	0.0	-0.3	0.0	1.8	1.0	0.0	0.0	-0.7	0.0	1.8	0.0
		EQY	0.0	0.0	-0.3	0.0	-0.1	0.0	0.9	1.0	0.0	0.0	-0.3	0.0	0.9	0.0
		WLX	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.0	0.0	0.0	0.0	0.0	0.1	0.0
		WLY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
C(2-3)	3	D0	0.0	0.0	-0.3	0.0	-0.1	0.0	0.0	.55	0.0	0.0	0.2	0.0	0.0	0.0
		DL	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
		LL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
		EQX	0.0	0.0	1.3	0.0	1.2	0.0	1.2	0.0	0.0	0.0	1.3	0.0	-1.3	0.0
		EQY	0.0	0.0	0.2	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.2	0.0	-0.2	0.0
		WLX	0.0	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.0	-0.1	0.0
		WLY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C(3-4)	3	D0	0.0	0.0	-0.2	0.0	0.0	0.0	0.0	.3	0.0	0.0	0.4	0.0	-0.2	0.0
		DL	0.0	0.0	-0.5	0.0	-0.2	0.0	0.0	0.0	0.0	0.0	0.8	0.0	-0.5	0.0
		LL	0.0	0.0	-0.6	0.0	-0.2	0.0	0.0	.45	0.0	0.0	0.8	0.0	-0.4	0.0
		EQX	0.0	0.0	-8.3	0.0	-7.2	0.0	8.2	1.0	0.0	0.0	-8.3	0.0	8.2	0.0
		EQY	0.0	0.0	1.0	-0.1	1.0	0.0	1.0	0.0	0.0	0.0	1.0	-0.1	-0.8	0.0
		WLX	0.0	0.0	-0.3	0.0	-0.3	0.0	0.3	1.0	0.0	0.0	-0.3	0.0	0.3	0.0
		WLY	0.0	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.0	-0.1	0.0
C(4-4a)	3	D0	0.0	0.0	-0.7	0.0	-0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		DL	0.0	0.0	-2.2	0.0	-2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		LL	0.0	0.0	-1.2	0.0	-1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		EQX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		EQY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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Beam	Floor	Load	Axl	Shr2	Shr3	Torque	M2	M3	M2	X/L	Axl	Shr2	Shr3	Torque	M2	M3
C(6-7)	3	D0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.6	0.0	-0.6	0.0
		DL	-0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.8	0.0	2.1	0.0	-2.2	0.0
		LL	-0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.5	0.0	1.2	0.0	-1.2	0.0
		EQX	12.1	-1.1	0.0	0.0	0.0	-1.1	0.0	0.0	12.1	-1.1	0.0	0.0	0.0	1.2
		EQY	-13.1	-2.0	0.0	0.0	0.0	-2.0	0.0	0.0	-13.1	-2.0	0.0	0.0	0.0	2.2
		WLX	-0.1	-0.2	0.0	0.0	0.0	-0.2	0.0	0.0	-0.1	-0.2	0.0	0.0	0.0	0.2
		WLY	0.5	-0.2	0.0	0.0	0.0	-0.2	0.0	0.0	0.5	-0.2	0.0	0.0	0.0	0.2
C(7-8)	3	D0	0.0	0.0	-0.3	0.0	-0.4	0.0	0.0	0.0	0.0	0.0	0.2	0.0	-0.4	0.0
		DL	0.0	0.0	-0.3	0.0	-0.9	0.0	0.0	0.0	0.0	0.0	0.9	0.0	-1.4	0.0
		LL	0.0	0.0	-0.7	0.0	-0.6	0.0	0.0	0.0	0.0	0.0	0.5	0.0	-0.4	0.0
		EQX	0.0	0.0	-1.7	0.0	-2.8	0.0	0.0	0.0	0.0	0.0	-1.7	0.0	-0.1	0.0
		EQY	0.0	0.0	0.5	0.1	0.5	0.0	0.5	0.0	0.0	0.0	0.5	0.1	-0.3	0.0
		WLX	0.0	0.0	-0.1	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0
		WLY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C(8-9)	3	D0	0.0	0.0	-0.7	0.0	-0.3	0.0	0.6	.55	0.0	0.0	0.6	0.0	0.0	0.0
		DL	0.0	0.0	-2.2	0.0	-1.2	0.0	1.6	.6	0.0	0.0	1.6	0.0	0.1	0.0
		LL	0.0	0.0	-0.8	0.0	-0.4	0.0	0.6	.55	0.0	0.0	0.6	0.0	0.0	0.0
		EQX	0.0	0.0	0.0	0.0	0.0	0.0	0.2	1.0	0.0	0.0	0.0	0.0	0.2	0.0
		EQY	0.0	0.0	-0.1	0.0	-0.3	0.0	0.0	1.0	0.0	0.0	-0.1	0.0	0.0	0.0
		WLX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
D(1-2)	3	D0	0.0	0.0	-0.3	0.0	0.0	0.0	0.2	.3	0.0	0.0	0.7	0.0	-0.5	0.0
		DL	0.0	0.0	-1.6	0.0	-0.5	0.0	0.5	.45	0.0	0.0	2.0	0.0	-1.1	0.0
		LL	0.0	0.0	-0.5	0.0	-0.1	0.0	0.2	.4	0.0	0.0	0.7	0.0	-0.5	0.0
		EQX	0.0	0.0	-5.7	0.0	-8.4	0.0	7.8	1.0	0.0	0.0	-5.7	0.0	7.8	0.0
		EQY	0.0	0.0	1.3	0.0	1.8	0.0	1.8	0.0	0.0	0.0	1.3	0.0	-1.9	0.0
		WLX	0.0	0.0	-0.2	0.0	-0.4	0.0	0.3	1.0	0.0	0.0	-0.2	0.0	0.3	0.0
		WLY	0.0	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.0	-0.1	0.0
D(2-3)	3	D0	0.0	0.0	-0.4	0.0	-0.1	0.0	0.0	.55	0.0	0.0	0.3	0.0	-0.1	0.0
		DL	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
		LL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
		EQX	0.0	0.0	1.9	0.0	1.6	0.0	1.6	0.0	0.0	0.0	1.9	0.0	-1.6	0.0
		EQY	0.0	0.0	-0.4	0.0	-0.3	0.0	0.3	1.0	0.0	0.0	-0.4	0.0	0.3	0.0
		WLX	0.0	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.0	-0.1	0.0
		WLY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
D(3-4)	3	D0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	.15	0.0	0.0	0.5	0.0	-0.3	0.0
		DL	0.0	0.0	-0.4	0.0	-0.2	0.0	0.0	0.0	0.0	0.0	1.3	0.0	-0.9	0.0
		LL	0.0	0.0	-0.7	0.0	-0.2	0.0	0.0	0.0	0.0	0.0	1.0	0.0	-0.5	0.0
		EQX	0.0	0.0	-14.2	0.0	-11.3	0.0	11.4	1.0	0.0	0.0	-14.2	0.0	11.4	0.0
		EQY	0.0	0.0	-0.3	0.0	-0.3	0.0	0.2	1.0	0.0	0.0	-0.3	0.0	0.2	0.0
		WLX	0.0	0.0	-0.7	0.0	-0.5	0.0	0.5	1.0	0.0	0.0	-0.7	0.0	0.5	0.0
		WLY	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
D(4-4a)	3	D0	0.0	0.0	-0.9	0.0	-1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		DL	0.0	0.0	-3.9	0.0	-4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		LL	0.0	0.0	-1.8	0.0	-2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		EQX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		EQY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
D(6-7)	3	D0	-2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-2.0	0.0	0.8	0.0	-0.8	0.0
		DL	-2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-2.5	0.0	3.7	0.0	-3.8	0.0
		LL	-2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-2.1	0.0	1.7	0.0	-1.7	0.0
		EQX	20.8	-2.6	0.0	0.0	0.0	-2.6	0.0	1.0	20.8	-2.6	0.0	0.0	0.0	2.7
		EQY	13.4	-4.6	0.0	0.0	0.0	-4.5	0.0	0.0	13.4	-4.6	0.0	0.0	0.0	4.9
		WLX	2.1	-0.4	0.0	0.0	0.0	-0.4	0.0	1.0	2.1	-0.4	0.0	0.0	0.0	0.4
		WLY	-2.8	-0.4	0.0	0.0	0.0	-0.5	0.0	0.0	-2.8	-0.4	0.0	0.0	0.0	0.4
D(7-8)	3	D0	0.0	0.0	-0.7	0.0	-0.5	0.0	0.2	1.0	0.0	0.0	-0.1	0.0	0.2	0.0
		DL	0.0	0.0	-1.9	0.0	-1.5	0.0	0.2	1.0	0.0	0.0	-0.2	0.0	0.2	0.0
		LL	0.0	0.0	-1.2	0.0	-0.7	0.0	0.0	.75	0.0	0.0	0.5	0.0	-0.1	0.0
		EQX	0.0	0.0	-6.7	0.0	-5.6	0.0	5.1	1.0	0.0	0.0	-6.7	0.0	5.1	0.0
		EQY	0.0	0.0	-1.4	0.0	-1.1	0.0	1.1	1.0	0.0	0.0	-1.4	0.0	1.1	0.0
		WLX	0.0	0.0	-0.2	0.0	-0.2	0.0	0.2	1.0	0.0	0.0	-0.2	0.0	0.2	0.0
		WLY	0.0	0.0	-0.2	0.0	-0.2	0.0	0.2	1.0	0.0	0.0	-0.2	0.0	0.2	0.0

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Beam	Floor	Load	Axl	Shr2	Shr3	Torque	M2	M3	M2	X/L	Axl	Shr2	Shr3	Torque	M2	M3
D(8-9)	3	D0	0.0	0.0	-0.8	0.0	-0.4	0.0	0.4	.45	0.0	0.0	0.9	0.0	-0.7	0.0
		DL	0.0	0.0	-2.8	0.0	-1.8	0.0	1.2	.5	0.0	0.0	3.1	0.0	-2.3	0.0
		LL	0.0	0.0	-0.9	0.0	-0.5	0.0	0.4	.45	0.0	0.0	1.1	0.0	-0.9	0.0
		EQX	0.0	0.0	-1.8	0.0	-3.7	0.0	4.1	1.0	0.0	0.0	-1.8	0.0	4.1	0.0
		EQY	0.0	0.0	0.1	0.0	0.2	0.0	0.2	0.0	0.0	0.0	0.1	0.0	-0.1	0.0
		WLX	0.0	0.0	-0.1	0.0	-0.1	0.0	0.1	1.0	0.0	0.0	-0.1	0.0	0.1	0.0
		WLY	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.0	0.0	0.0	0.0	0.0	0.1	0.0
E(1-3)	3	D0	0.0	0.0	-0.8	0.0	-0.6	0.0	0.3	.5	0.0	0.0	0.9	0.0	-0.7	0.0
		DL	0.0	0.0	-4.4	0.0	-3.2	0.0	1.7	.5	0.0	0.0	4.4	0.0	-3.2	0.0
		LL	0.0	0.0	-1.5	0.0	-1.1	0.0	0.5	.5	0.0	0.0	1.5	0.0	-1.1	0.0
		EQX	0.0	0.0	-2.3	0.0	-5.1	0.0	5.1	1.0	0.0	0.0	-2.3	0.0	5.1	0.0
		EQY	0.0	0.0	0.5	0.0	1.1	0.0	1.1	0.0	0.0	0.0	0.5	0.0	-1.0	0.0
		WLX	0.0	0.0	-0.1	0.0	-0.2	0.0	0.2	1.0	0.0	0.0	-0.1	0.0	0.2	0.0
		WLY	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	-0.1	0.0
E(3-4)	3	D0	0.0	0.0	-0.7	0.0	-0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		DL	0.0	0.0	-3.0	0.0	-2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		LL	0.0	0.0	-3.0	0.0	-2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		EQX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		EQY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E(7-8)	3	D0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	-0.7	0.0
		DL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	-2.6	0.0
		LL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	-2.6	0.0
		EQX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		EQY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E(8-9)	3	D0	0.0	0.0	-0.8	0.0	-0.5	0.0	0.3	.45	0.0	0.0	0.9	0.0	-0.7	0.0
		DL	0.0	0.0	-4.3	0.0	-2.9	0.0	1.7	.5	0.0	0.0	4.4	0.0	-3.3	0.0
		LL	0.0	0.0	-1.4	0.0	-1.0	0.0	0.5	.5	0.0	0.0	1.5	0.0	-1.2	0.0
		EQX	0.0	0.0	-2.0	0.0	-4.4	0.0	4.4	1.0	0.0	0.0	-2.0	0.0	4.4	0.0
		EQY	0.0	0.0	0.6	0.0	1.2	0.0	1.2	0.0	0.0	0.0	0.6	0.0	-1.2	0.0
		WLX	0.0	0.0	-0.1	0.0	-0.2	0.0	0.2	1.0	0.0	0.0	-0.1	0.0	0.2	0.0
		WLY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
F(1-3)	3	D0	0.0	0.0	-0.9	0.0	-0.7	0.0	0.3	.5	0.0	0.0	0.8	0.0	-0.5	0.0
		DL	0.0	0.0	-2.6	0.0	-2.0	0.0	1.0	.5	0.0	0.0	2.5	0.0	-1.7	0.0
		LL	0.0	0.0	-0.9	0.0	-0.7	0.0	0.3	.55	0.0	0.0	0.8	0.0	-0.5	0.0
		EQX	0.0	0.0	-2.5	0.0	-5.4	0.0	5.5	1.0	0.0	0.0	-2.5	0.0	5.5	0.0
		EQY	0.0	0.0	1.0	0.0	2.2	0.0	2.2	0.0	0.0	0.0	1.0	0.0	-2.2	0.0
		WLX	0.0	0.0	-0.1	0.0	-0.2	0.0	0.2	1.0	0.0	0.0	-0.1	0.0	0.2	0.0
		WLY	0.0	0.0	0.1	0.0	0.2	0.0	0.2	0.0	0.0	0.0	0.1	0.0	-0.2	0.0
F(8-9)	3	D0	0.0	0.0	-0.8	0.0	-0.4	0.0	0.3	.45	0.0	0.0	1.0	0.0	-0.8	0.0
		DL	0.0	0.0	-2.5	0.0	-1.6	0.0	1.0	.5	0.0	0.0	2.7	0.0	-2.1	0.0
		LL	0.0	0.0	-0.7	0.0	-0.4	0.0	0.4	.45	0.0	0.0	1.0	0.0	-0.9	0.0
		EQX	0.0	0.0	-2.2	0.0	-4.9	0.0	4.9	1.0	0.0	0.0	-2.2	0.0	4.9	0.0
		EQY	0.0	0.0	1.3	0.0	3.0	0.0	3.0	0.0	0.0	0.0	1.3	0.0	-3.0	0.0
		WLX	0.0	0.0	-0.1	0.0	-0.2	0.0	0.2	1.0	0.0	0.0	-0.1	0.0	0.2	0.0
		WLY	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	-0.1	0.0
A(1-3)	4	D0	0.0	0.0	-0.9	0.0	-0.6	0.0	0.4	.5	0.0	0.0	0.9	0.0	-0.6	0.0
		DL	0.0	0.0	-0.1	0.0	-0.1	0.0	0.1	.45	0.0	0.0	0.2	0.0	-0.1	0.0
		LL	0.0	0.0	-0.1	0.0	-0.1	0.0	0.1	.45	0.0	0.0	0.1	0.0	-0.1	0.0
		EQX	0.0	0.0	-1.9	0.0	-4.3	0.0	4.3	1.0	0.0	0.0	-1.9	0.0	4.3	0.0
		EQY	0.0	0.0	-0.5	0.0	-1.2	0.0	1.3	1.0	0.0	0.0	-0.5	0.0	1.3	0.0
		WLX	0.0	0.0	-0.1	0.0	-0.2	0.0	0.2	1.0	0.0	0.0	-0.1	0.0	0.2	0.0
		WLY	0.0	0.0	0.0	0.0	-0.1	0.0	0.1	1.0	0.0	0.0	0.0	0.0	0.1	0.0
A(3-4)	4	D0	0.0	0.0	-0.7	0.0	-0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		DL	0.0	0.0	-1.2	0.0	-1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		LL	0.0	0.0	-1.2	0.0	-1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		EQX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		EQY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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Beam	Floor	Load	Axl	Shr2	Shr3	Torque	M2	M3	M2	X/L	Axl	Shr2	Shr3	Torque	M2	M3
A(7-8)	4	D0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	-0.7	0.0
		DL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	-1.1	0.0
		LL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	-1.1	0.0
		EQX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		EQY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
A(8-9)	4	D0	0.0	0.0	-0.7	0.0	-0.4	0.0	0.3	.45	0.0	0.0	0.9	0.0	-0.7	0.0
		DL	0.0	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.0	-0.1	0.0
		LL	0.0	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.0	-0.1	0.0
		EQX	0.0	0.0	-1.7	0.0	-3.7	0.0	3.7	1.0	0.0	0.0	-1.7	0.0	3.7	0.0
		EQY	0.0	0.0	-0.8	0.0	-1.8	0.0	1.8	1.0	0.0	0.0	-0.8	0.0	1.8	0.0
		WLX	0.0	0.0	-0.1	0.0	-0.1	0.0	0.1	1.0	0.0	0.0	-0.1	0.0	0.1	0.0
		WLY	0.0	0.0	0.0	0.0	-0.1	0.0	0.1	1.0	0.0	0.0	0.0	0.0	0.1	0.0
B(1-3)	4	D0	0.0	0.0	-0.8	0.0	-0.5	0.0	0.3	.45	0.0	0.0	0.9	0.0	-0.8	0.0
		DL	0.0	0.0	-0.1	0.0	0.0	0.0	0.1	.25	0.0	0.0	0.2	0.0	-0.3	0.0
		LL	0.0	0.0	-0.1	0.0	0.0	0.0	0.1	.25	0.0	0.0	0.2	0.0	-0.3	0.0
		EQX	0.0	0.0	-1.7	0.0	-3.9	0.0	4.0	1.0	0.0	0.0	-1.7	0.0	4.0	0.0
		EQY	0.0	0.0	-0.4	0.0	-0.8	0.0	0.9	1.0	0.0	0.0	-0.4	0.0	0.9	0.0
		WLX	0.0	0.0	-0.1	0.0	-0.2	0.0	0.2	1.0	0.0	0.0	-0.1	0.0	0.2	0.0
		WLY	0.0	0.0	0.0	0.0	-0.1	0.0	0.1	1.0	0.0	0.0	0.0	0.0	0.1	0.0
B(3-4)	4	D0	0.0	0.0	-0.7	0.0	-0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		DL	0.0	0.0	-1.2	0.0	-1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		LL	0.0	0.0	-1.2	0.0	-1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		EQX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		EQY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
B(7-8)	4	D0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	-0.7	0.0
		DL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	-1.1	0.0
		LL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	-1.1	0.0
		EQX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		EQY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
B(8-9)	4	D0	0.0	0.0	-0.8	0.0	-0.5	0.0	0.3	.5	0.0	0.0	0.9	0.0	-0.7	0.0
		DL	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	-0.1	0.0
		LL	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	-0.1	0.0
		EQX	0.0	0.0	-2.1	0.0	-4.6	0.0	4.6	1.0	0.0	0.0	-2.1	0.0	4.6	0.0
		EQY	0.0	0.0	-0.3	0.0	-0.7	0.0	0.7	1.0	0.0	0.0	-0.3	0.0	0.7	0.0
		WLX	0.0	0.0	-0.1	0.0	-0.2	0.0	0.2	1.0	0.0	0.0	-0.1	0.0	0.2	0.0
		WLY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
B(1-3)	5	D0	0.0	0.0	-0.8	0.0	-0.6	0.0	0.3	.5	0.0	0.0	0.9	0.0	-0.8	0.0
		DL	0.0	0.0	-1.1	0.0	-0.7	0.0	0.5	.45	0.0	0.0	1.2	0.0	-1.0	0.0
		LL	0.0	0.0	-0.4	0.0	-0.2	0.0	0.2	.45	0.0	0.0	0.4	0.0	-0.4	0.0
		EQX	0.0	0.0	-1.5	0.0	-3.4	0.0	3.3	1.0	0.0	0.0	-1.5	0.0	3.3	0.0
		EQY	0.0	0.0	-0.3	0.0	-0.7	0.0	0.6	1.0	0.0	0.0	-0.3	0.0	0.6	0.0
		WLX	0.0	0.0	-0.1	0.0	-0.1	0.0	0.1	1.0	0.0	0.0	-0.1	0.0	0.1	0.0
		WLY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
B(3-4)	5	D0	0.0	0.0	-0.6	0.0	-0.4	0.0	0.0	.85	0.0	0.0	0.1	0.0	0.0	0.0
		DL	0.0	0.0	-0.6	0.0	-0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		LL	0.0	0.0	-0.6	0.0	-0.4	0.0	0.0	.9	0.0	0.0	0.0	0.0	0.0	0.0
		EQX	0.0	0.0	-0.9	0.1	-1.6	0.0	0.0	0.0	0.0	0.0	-0.9	0.1	-0.1	0.0
		EQY	0.0	0.0	-1.0	0.0	-1.8	0.0	0.0	0.0	0.0	0.0	-1.0	0.0	-0.1	0.0
		WLX	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLY	0.0	0.0	-0.1	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0
B(7-8)	5	D0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	.2	0.0	0.0	0.5	0.0	-0.3	0.0
		DL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.05	0.0	0.0	0.6	0.0	-0.4	0.0
		LL	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	.1	0.0	0.0	0.6	0.0	-0.4	0.0
		EQX	0.0	0.0	-1.0	0.1	0.1	0.0	1.8	1.0	0.0	0.0	-1.0	0.1	1.8	0.0
		EQY	0.0	0.0	0.8	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.8	-0.1	-1.5	0.0
		WLX	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.0	0.0	0.0	0.0	0.0	0.1	0.0
		WLY	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	-0.1	0.0

Company: AC INGENIERIA Engineer: ALVARO CABALLERO
Project: CASA CORREGIDOR - SOGAMOSO BLOQUE NUEVO 4:20:15 p. m. 4/05/2022

Beam	Floor	Load	Axl	Shr2	Shr3	Torque	M2	M3	M2	X/L	Axl	Shr2	Shr3	Torque	M2	M3
B(8-9)	5	D0	0.0	0.0	-0.8	0.0	-0.5	0.0	0.3	.45	0.0	0.0	0.9	0.0	-0.7	0.0
		DL	0.0	0.0	-1.1	0.0	-0.6	0.0	0.4	.45	0.0	0.0	1.2	0.0	-0.9	0.0
		LL	0.0	0.0	-0.3	0.0	-0.1	0.0	0.2	.4	0.0	0.0	0.4	0.0	-0.4	0.0
		EQX	0.0	0.0	-1.8	0.0	-3.8	0.0	3.9	1.0	0.0	0.0	-1.8	0.0	3.9	0.0
		EQY	0.0	0.0	-0.3	0.0	-0.7	0.0	0.7	1.0	0.0	0.0	-0.3	0.0	0.7	0.0
		WLX	0.0	0.0	-0.1	0.0	-0.2	0.0	0.2	1.0	0.0	0.0	-0.1	0.0	0.2	0.0
		WLY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
C(1-2)	5	D0	0.0	0.0	-0.2	0.0	0.1	0.0	0.1	.3	0.0	0.0	0.5	0.0	-0.4	0.0
		DL	0.0	0.0	-0.9	0.0	0.2	0.0	0.6	.35	0.0	0.0	1.9	0.0	-1.2	0.0
		LL	0.0	0.0	-0.3	0.0	0.1	0.0	0.2	.3	0.0	0.0	0.6	0.0	-0.4	0.0
		EQX	0.0	0.0	-0.5	0.0	-0.2	0.0	1.2	1.0	0.0	0.0	-0.5	0.0	1.2	0.0
		EQY	0.0	0.0	-0.2	0.0	0.0	0.0	0.5	1.0	0.0	0.0	-0.2	0.0	0.5	0.0
		WLX	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.0	0.0	0.0	0.0	0.0	0.1	0.0
		WLY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
C(2-3)	5	D0	0.0	0.0	-0.3	0.0	-0.1	0.0	0.0	.6	0.0	0.0	0.2	0.0	0.0	0.0
		DL	0.0	0.0	-0.1	0.0	-0.1	0.0	0.1	1.0	0.0	0.0	-0.1	0.0	0.1	0.0
		LL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
		EQX	0.0	0.0	1.3	0.0	1.2	0.0	1.2	0.0	0.0	0.0	1.3	0.0	-1.3	0.0
		EQY	0.0	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.0	-0.1	0.0
		WLX	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
		WLY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C(3-4)	5	D0	0.0	0.0	-0.2	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.3	0.0	-0.2	0.0
		DL	0.0	0.0	-0.6	0.0	-0.3	0.0	0.0	0.0	0.0	0.0	0.8	0.0	-0.5	0.0
		LL	0.0	0.0	-0.7	0.0	-0.3	0.0	0.0	.5	0.0	0.0	0.7	0.0	-0.3	0.0
		EQX	0.0	0.0	-4.4	0.0	-3.5	0.0	4.7	1.0	0.0	0.0	-4.4	0.0	4.7	0.0
		EQY	0.0	0.0	0.9	0.0	0.8	0.0	0.8	0.0	0.0	0.0	0.9	0.0	-0.8	0.0
		WLX	0.0	0.0	-0.1	0.0	-0.1	0.0	0.2	1.0	0.0	0.0	-0.1	0.0	0.2	0.0
		WLY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C(4-4a)	5	D0	0.0	0.0	-0.7	0.0	-0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		DL	0.0	0.0	-2.5	0.0	-2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		LL	0.0	0.0	-1.3	0.0	-1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		EQX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		EQY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C(6-7)	5	D0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0	0.6	0.0	-0.6	0.0
		DL	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	0.0	2.2	0.0	-2.3	0.0
		LL	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	1.2	0.0	-1.2	0.0
		EQX	3.9	-2.0	0.0	0.0	0.0	-2.0	0.0	0.0	3.9	-2.0	0.0	0.0	0.0	2.1
		EQY	-7.2	-1.3	0.0	0.0	0.0	-1.3	0.0	0.0	-7.2	-1.3	0.0	0.0	0.0	1.4
		WLX	-0.6	-0.2	0.0	0.0	0.0	-0.2	0.0	0.0	-0.6	-0.2	0.0	0.0	0.0	0.2
		WLY	0.5	-0.1	0.0	0.0	0.0	-0.1	0.0	0.0	0.5	-0.1	0.0	0.0	0.0	0.1
C(7-8)	5	D0	0.0	0.0	-0.3	0.0	-0.5	0.0	0.0	0.0	0.0	0.0	0.2	0.0	-0.4	0.0
		DL	0.0	0.0	-0.1	0.0	-0.9	0.0	0.0	0.0	0.0	0.0	1.1	0.0	-1.6	0.0
		LL	0.0	0.0	-0.6	0.0	-0.5	0.0	0.0	0.0	0.0	0.0	0.6	0.0	-0.5	0.0
		EQX	0.0	0.0	-1.5	0.0	-2.7	0.0	0.0	0.0	0.0	0.0	-1.5	0.0	-0.2	0.0
		EQY	0.0	0.0	0.4	0.1	0.5	0.0	0.5	0.0	0.0	0.0	0.4	0.1	-0.2	0.0
		WLX	0.0	0.0	-0.1	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0
		WLY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C(8-9)	5	D0	0.0	0.0	-0.7	0.0	-0.3	0.0	0.6	.55	0.0	0.0	0.6	0.0	0.0	0.0
		DL	0.0	0.0	-2.7	0.0	-1.5	0.0	2.0	.6	0.0	0.0	2.0	0.0	0.1	0.0
		LL	0.0	0.0	-0.9	0.0	-0.5	0.0	0.7	.55	0.0	0.0	0.7	0.0	0.0	0.0
		EQX	0.0	0.0	-0.1	0.0	-0.1	0.0	0.2	1.0	0.0	0.0	-0.1	0.0	0.2	0.0
		EQY	0.0	0.0	-0.1	0.0	-0.2	0.0	0.0	1.0	0.0	0.0	-0.1	0.0	0.0	0.0
		WLX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
D(1-2)	5	D0	0.0	0.0	-0.3	0.0	0.1	0.0	0.2	.25	0.0	0.0	0.8	0.0	-0.6	0.0
		DL	0.0	0.0	-1.5	0.0	-0.3	0.0	0.5	.4	0.0	0.0	2.1	0.0	-1.2	0.0
		LL	0.0	0.0	-0.4	0.0	0.0	0.0	0.2	.35	0.0	0.0	0.8	0.0	-0.5	0.0
		EQX	0.0	0.0	-4.6	0.0	-6.7	0.0	6.3	1.0	0.0	0.0	-4.6	0.0	6.3	0.0
		EQY	0.0	0.0	0.8	0.0	1.2	0.0	1.2	0.0	0.0	0.0	0.8	0.0	-1.2	0.0
		WLX	0.0	0.0	-0.2	0.0	-0.3	0.0	0.2	1.0	0.0	0.0	-0.2	0.0	0.2	0.0
		WLY	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	-0.1	0.0

Company: AC INGENIERIA Engineer: ALVARO CABALLERO
Project: CASA CORREGIDOR - SOGAMOSO BLOQUE NUEVO 4:20:15 p. m. 4/05/2022

Beam	Floor	Load	Axl	Shr2	Shr3	Torque	M2	M3	M2	X/L	Axl	Shr2	Shr3	Torque	M2	M3
D(2-3)	5	D0	0.0	0.0	-0.4	0.0	-0.1	0.0	0.0	.6	0.0	0.0	0.3	0.0	0.0	0.0
		DL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
		LL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
		EQX	0.0	0.0	1.3	0.0	1.1	0.0	1.1	0.0	0.0	0.0	1.3	0.0	-1.0	0.0
		EQY	0.0	0.0	-0.2	0.0	-0.2	0.0	0.2	1.0	0.0	0.0	-0.2	0.0	0.2	0.0
		WLX	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
		WLY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
D(3-4)	5	D0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	.15	0.0	0.0	0.5	0.0	-0.3	0.0
		DL	0.0	0.0	-0.4	0.0	-0.3	0.0	0.0	0.0	0.0	0.0	1.3	0.0	-0.9	0.0
		LL	0.0	0.0	-0.8	0.0	-0.3	0.0	0.0	0.0	0.0	0.0	0.9	0.0	-0.4	0.0
		EQX	0.0	0.0	-11.1	0.0	-9.0	0.0	8.7	1.0	0.0	0.0	-11.1	0.0	8.7	0.0
		EQY	0.0	0.0	-0.7	0.0	-0.6	0.0	0.5	1.0	0.0	0.0	-0.7	0.0	0.5	0.0
		WLX	0.0	0.0	-0.5	0.0	-0.4	0.0	0.4	1.0	0.0	0.0	-0.5	0.0	0.4	0.0
		WLY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
D(4-4a)	5	D0	0.0	0.0	-0.9	0.0	-1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		DL	0.0	0.0	-4.0	0.0	-4.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		LL	0.0	0.0	-1.8	0.0	-2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		EQX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		EQY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
D(6-7)	5	D0	-3.6	-0.1	0.0	0.0	0.0	-0.1	0.0	0.0	-3.6	-0.1	0.8	0.0	-0.8	0.0
		DL	-2.9	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	-2.9	0.0	3.7	0.0	-3.8	0.0
		LL	-3.2	-0.1	0.0	0.0	0.0	-0.1	0.0	0.0	-3.2	-0.1	1.7	0.0	-1.8	0.0
		EQX	9.5	-4.5	0.0	0.0	0.0	-4.6	0.0	1.0	9.5	-4.5	0.0	0.0	0.0	4.7
		EQY	8.2	-3.0	0.0	0.0	0.0	-3.0	0.0	0.0	8.2	-3.0	0.0	0.0	0.0	3.2
		WLX	0.8	-0.4	0.0	0.0	0.0	-0.4	0.0	1.0	0.8	-0.4	0.0	0.0	0.0	0.4
		WLY	-1.2	-0.2	0.0	0.0	0.0	-0.2	0.0	0.0	-1.2	-0.2	0.0	0.0	0.0	0.2
D(7-8)	5	D0	0.0	0.0	-0.9	0.0	-0.6	0.0	0.3	1.0	0.0	0.0	-0.3	0.0	0.3	0.0
		DL	0.0	0.0	-1.8	0.0	-1.5	0.0	0.0	1.0	0.0	0.0	-0.1	0.0	0.0	0.0
		LL	0.0	0.0	-1.1	0.0	-0.6	0.0	0.0	.65	0.0	0.0	0.6	0.0	-0.2	0.0
		EQX	0.0	0.0	-5.8	0.0	-4.9	0.0	4.4	1.0	0.0	0.0	-5.8	0.0	4.4	0.0
		EQY	0.0	0.0	-1.4	0.0	-1.1	0.0	1.1	1.0	0.0	0.0	-1.4	0.0	1.1	0.0
		WLX	0.0	0.0	-0.2	0.0	-0.2	0.0	0.2	1.0	0.0	0.0	-0.2	0.0	0.2	0.0
		WLY	0.0	0.0	-0.1	0.0	-0.1	0.0	0.1	1.0	0.0	0.0	-0.1	0.0	0.1	0.0
D(8-9)	5	D0	0.0	0.0	-0.8	0.0	-0.4	0.0	0.3	.45	0.0	0.0	0.9	0.0	-0.7	0.0
		DL	0.0	0.0	-2.8	0.0	-1.7	0.0	1.2	.5	0.0	0.0	3.0	0.0	-2.2	0.0
		LL	0.0	0.0	-0.9	0.0	-0.5	0.0	0.4	.45	0.0	0.0	1.1	0.0	-0.9	0.0
		EQX	0.0	0.0	-1.8	0.0	-3.8	0.0	4.1	1.0	0.0	0.0	-1.8	0.0	4.1	0.0
		EQY	0.0	0.0	0.1	0.0	0.2	0.0	0.2	0.0	0.0	0.0	0.1	0.0	-0.2	0.0
		WLX	0.0	0.0	-0.1	0.0	-0.2	0.0	0.2	1.0	0.0	0.0	-0.1	0.0	0.2	0.0
		WLY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E(1-3)	5	D0	0.0	0.0	-0.9	0.0	-0.6	0.0	0.4	.5	0.0	0.0	0.8	0.0	-0.6	0.0
		DL	0.0	0.0	-4.4	0.0	-3.1	0.0	1.8	.5	0.0	0.0	4.4	0.0	-3.1	0.0
		LL	0.0	0.0	-1.5	0.0	-1.1	0.0	0.6	.5	0.0	0.0	1.5	0.0	-1.0	0.0
		EQX	0.0	0.0	-1.9	0.0	-4.3	0.0	4.3	1.0	0.0	0.0	-1.9	0.0	4.3	0.0
		EQY	0.0	0.0	0.3	0.0	0.6	0.0	0.6	0.0	0.0	0.0	0.3	0.0	-0.6	0.0
		WLX	0.0	0.0	-0.1	0.0	-0.2	0.0	0.2	1.0	0.0	0.0	-0.1	0.0	0.2	0.0
		WLY	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	-0.1	0.0
E(3-4)	5	D0	0.0	0.0	-0.7	0.0	-0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		DL	0.0	0.0	-3.1	0.0	-2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		LL	0.0	0.0	-2.9	0.0	-2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		EQX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		EQY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E(7-8)	5	D0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	-0.7	0.0
		DL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	0.0	-3.1	0.0
		LL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	0.0	-2.9	0.0
		EQX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		EQY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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Beam	Floor	Load	Axl	Shr2	Shr3	Torque	M2	M3	M2	X/L	Axl	Shr2	Shr3	Torque	M2	M3
E(8-9)	5	D0	0.0	0.0	-0.8	0.0	-0.4	0.0	0.4	.45	0.0	0.0	0.9	0.0	-0.8	0.0
		DL	0.0	0.0	-4.3	0.0	-2.8	0.0	1.8	.5	0.0	0.0	4.5	0.0	-3.3	0.0
		LL	0.0	0.0	-1.4	0.0	-0.9	0.0	0.5	.45	0.0	0.0	1.5	0.0	-1.2	0.0
		EQX	0.0	0.0	-2.0	0.0	-4.3	0.0	4.4	1.0	0.0	0.0	-2.0	0.0	4.4	0.0
		EQY	0.0	0.0	0.3	0.0	0.7	0.0	0.7	0.0	0.0	0.0	0.3	0.0	-0.8	0.0
		WLX	0.0	0.0	-0.1	0.0	-0.2	0.0	0.2	1.0	0.0	0.0	-0.1	0.0	0.2	0.0
		WLY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
F(1-3)	5	D0	0.0	0.0	-0.9	0.0	-0.7	0.0	0.4	.55	0.0	0.0	0.8	0.0	-0.3	0.0
		DL	0.0	0.0	-2.7	0.0	-1.9	0.0	1.2	.5	0.0	0.0	2.5	0.0	-1.4	0.0
		LL	0.0	0.0	-1.0	0.0	-0.8	0.0	0.5	.55	0.0	0.0	0.8	0.0	-0.3	0.0
		EQX	0.0	0.0	-2.3	0.0	-5.1	0.0	5.1	1.0	0.0	0.0	-2.3	0.0	5.1	0.0
		EQY	0.0	0.0	0.5	0.0	1.0	0.0	1.0	0.0	0.0	0.0	0.5	0.0	-1.0	0.0
		WLX	0.0	0.0	-0.1	0.0	-0.3	0.0	0.3	1.0	0.0	0.0	-0.1	0.0	0.3	0.0
		WLY	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	-0.1	0.0
F(8-9)	5	D0	0.0	0.0	-0.7	0.0	-0.2	0.0	0.4	.4	0.0	0.0	1.0	0.0	-0.9	0.0
		DL	0.0	0.0	-2.4	0.0	-1.3	0.0	1.2	.45	0.0	0.0	2.8	0.0	-2.1	0.0
		LL	0.0	0.0	-0.7	0.0	-0.1	0.0	0.5	.4	0.0	0.0	1.1	0.0	-0.9	0.0
		EQX	0.0	0.0	-2.1	0.0	-4.8	0.0	4.8	1.0	0.0	0.0	-2.1	0.0	4.8	0.0
		EQY	0.0	0.0	0.8	0.0	1.9	0.0	1.9	0.0	0.0	0.0	0.8	0.0	-1.9	0.0
		WLX	0.0	0.0	-0.1	0.0	-0.2	0.0	0.2	1.0	0.0	0.0	-0.1	0.0	0.2	0.0
		WLY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
A(1-3)	6	D0	0.0	0.0	-0.8	0.0	-0.4	0.0	0.3	.4	0.0	0.0	1.0	0.0	-1.1	0.0
		DL	0.0	0.0	-0.2	0.0	0.0	0.0	0.1	.3	0.0	0.0	0.6	0.0	-0.8	0.0
		LL	0.0	0.0	0.0	0.0	0.1	0.0	0.1	.05	0.0	0.0	0.4	0.0	-0.7	0.0
		EQX	0.0	0.0	-1.0	0.0	-2.3	0.0	2.4	1.0	0.0	0.0	-1.0	0.0	2.4	0.0
		EQY	0.0	0.0	-0.2	0.0	-0.5	0.0	0.5	1.0	0.0	0.0	-0.2	0.0	0.5	0.0
		WLX	0.0	0.0	0.0	0.0	-0.1	0.0	0.1	1.0	0.0	0.0	0.0	0.0	0.1	0.0
		WLY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
A(3-4)	6	D0	0.0	0.0	-1.4	0.0	-1.9	0.0	0.0	0.0	0.0	0.0	-0.7	0.0	-0.1	0.0
		DL	0.0	0.0	-1.4	0.0	-2.4	0.0	0.0	0.0	0.0	0.0	-1.1	0.0	-0.3	0.0
		LL	0.0	0.0	-1.3	0.0	-2.5	0.0	0.0	0.0	0.0	0.0	-1.2	0.0	-0.3	0.0
		EQX	0.0	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0
		EQY	0.0	0.0	-0.1	0.1	-0.2	0.0	0.0	0.0	0.0	0.0	-0.1	0.1	0.0	0.0
		WLX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
A(4-7)	6	D0	0.5	0.0	-0.2	0.0	0.0	0.0	0.3	.5	0.5	0.0	0.2	0.0	0.0	0.0
		DL	0.9	0.0	-0.9	0.0	0.0	0.0	1.7	.5	0.9	0.0	0.9	0.0	0.0	0.0
		LL	0.9	0.0	-1.1	0.0	0.0	0.0	2.0	.5	0.9	0.0	1.1	0.0	0.0	0.0
		EQX	-0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.8	0.0	0.0	0.0	0.0	0.0
		EQY	-1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-1.0	0.0	0.0	0.0	0.0	0.0
		WLX	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0
		WLY	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0
A(7-8)	6	D0	0.0	0.0	0.7	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	1.4	0.0	-1.9	0.0
		DL	0.0	0.0	1.2	0.0	-0.3	0.0	0.0	0.0	0.0	0.0	1.4	0.0	-2.5	0.0
		LL	0.0	0.0	1.2	0.0	-0.3	0.0	0.0	0.0	0.0	0.0	1.3	0.0	-2.5	0.0
		EQX	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	-0.1	0.0
		EQY	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	-0.1	0.0
		WLX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
A(8-9)	6	D0	0.0	0.0	-0.9	0.0	-0.9	0.0	0.2	.55	0.0	0.0	0.7	0.0	-0.4	0.0
		DL	0.0	0.0	-0.5	0.0	-0.7	0.0	0.1	.7	0.0	0.0	0.2	0.0	-0.1	0.0
		LL	0.0	0.0	-0.3	0.0	-0.6	0.0	0.0	.9	0.0	0.0	0.0	0.0	0.0	0.0
		EQX	0.0	0.0	-1.2	0.0	-2.6	0.0	2.6	1.0	0.0	0.0	-1.2	0.0	2.6	0.0
		EQY	0.0	0.0	-0.4	0.0	-0.8	0.0	0.8	1.0	0.0	0.0	-0.4	0.0	0.8	0.0
		WLX	0.0	0.0	-0.1	0.0	-0.1	0.0	0.1	1.0	0.0	0.0	-0.1	0.0	0.1	0.0
		WLY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
B(1-3)	6	D0	0.0	0.0	-0.8	0.0	-0.5	0.0	0.4	.45	0.0	0.0	0.9	0.0	-0.8	0.0
		DL	0.0	0.0	-0.6	0.0	-0.4	0.0	0.2	.45	0.0	0.0	0.7	0.0	-0.6	0.0
		LL	0.0	0.0	-0.3	0.0	-0.2	0.0	0.1	.4	0.0	0.0	0.4	0.0	-0.4	0.0
		EQX	0.0	0.0	-1.1	0.0	-2.7	0.0	2.5	1.0	0.0	0.0	-1.1	0.0	2.5	0.0
		EQY	0.0	0.0	-0.2	0.0	-0.6	0.0	0.5	1.0	0.0	0.0	-0.2	0.0	0.5	0.0
		WLX	0.0	0.0	0.0	0.0	-0.1	0.0	0.1	1.0	0.0	0.0	0.0	0.0	0.1	0.0
		WLY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0

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Beam	Floor	Load	Axl	Shr2	Shr3	Torque	M2	M3	M2	X/L	Axl	Shr2	Shr3	Torque	M2	M3
B(3-4)	6	D0	0.0	0.0	-0.9	0.0	-1.1	0.0	0.0	0.0	0.0	0.0	-0.3	0.0	-0.1	0.0
		DL	0.0	0.0	-0.8	0.0	-1.2	0.0	0.0	0.0	0.0	0.0	-0.4	0.0	-0.2	0.0
		LL	0.0	0.0	-0.6	0.0	-1.1	0.0	0.0	0.0	0.0	0.0	-0.4	0.0	-0.2	0.0
		EQX	0.0	0.0	-0.8	0.0	-1.4	0.0	0.0	0.0	0.0	0.0	-0.8	0.0	-0.1	0.0
		EQY	0.0	0.0	-0.6	0.0	-1.0	0.0	0.0	0.0	0.0	0.0	-0.6	0.0	-0.1	0.0
		WLX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLY	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
B(4-7)	6	D0	0.5	0.0	-0.2	0.0	0.0	0.0	0.3	.5	0.5	0.0	0.2	0.0	0.0	0.0
		DL	0.8	0.0	-1.1	0.0	0.0	0.0	2.0	.5	0.8	0.0	1.1	0.0	0.0	0.0
		LL	0.8	0.0	-1.2	0.0	0.0	0.0	2.2	.5	0.8	0.0	1.2	0.0	0.0	0.0
		EQX	-0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.7	0.0	0.0	0.0	0.0	0.0
		EQY	-0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.7	0.0	0.0	0.0	0.0	0.0
		WLX	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0
		WLY	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0
B(7-8)	6	D0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0	-1.0	0.0
		DL	0.0	0.0	0.3	0.0	-0.2	0.0	0.0	0.0	0.0	0.0	0.6	0.0	-1.0	0.0
		LL	0.0	0.0	0.4	0.0	-0.2	0.0	0.0	0.0	0.0	0.0	0.6	0.0	-1.0	0.0
		EQX	0.0	0.0	-0.8	0.0	0.1	0.0	1.3	1.0	0.0	0.0	-0.8	0.0	1.3	0.0
		EQY	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	-0.9	0.0
		WLX	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.0	0.0	0.0	0.0	0.0	0.1	0.0
		WLY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0
B(8-9)	6	D0	0.0	0.0	-0.8	0.0	-0.5	0.0	0.3	.5	0.0	0.0	0.9	0.0	-0.7	0.0
		DL	0.0	0.0	-0.5	0.0	-0.3	0.0	0.2	.45	0.0	0.0	0.7	0.0	-0.6	0.0
		LL	0.0	0.0	-0.3	0.0	-0.2	0.0	0.1	.45	0.0	0.0	0.3	0.0	-0.3	0.0
		EQX	0.0	0.0	-1.3	0.0	-2.7	0.0	2.9	1.0	0.0	0.0	-1.3	0.0	2.9	0.0
		EQY	0.0	0.0	-0.2	0.0	-0.5	0.0	0.4	1.0	0.0	0.0	-0.2	0.0	0.4	0.0
		WLX	0.0	0.0	-0.1	0.0	-0.1	0.0	0.1	1.0	0.0	0.0	-0.1	0.0	0.1	0.0
		WLY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C(1-2)	6	D0	0.0	0.0	-0.2	0.0	0.1	0.0	0.1	.3	0.0	0.0	0.5	0.0	-0.4	0.0
		DL	0.0	0.0	-0.2	0.0	0.0	0.0	0.1	.3	0.0	0.0	0.4	0.0	-0.3	0.0
		LL	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	.25	0.0	0.0	0.2	0.0	-0.2	0.0
		EQX	0.0	0.0	-0.4	0.0	-0.1	0.0	1.0	1.0	0.0	0.0	-0.4	0.0	1.0	0.0
		EQY	0.0	0.0	-0.1	0.0	0.0	0.0	0.4	1.0	0.0	0.0	-0.1	0.0	0.4	0.0
		WLX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
C(2-3)	6	D0	0.0	0.0	-0.3	0.0	-0.1	0.0	0.0	.65	0.0	0.0	0.2	0.0	0.0	0.0
		DL	0.0	0.0	-0.1	0.0	-0.1	0.0	0.1	1.0	0.0	0.0	-0.1	0.0	0.1	0.0
		LL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
		EQX	0.0	0.0	1.2	0.0	1.1	0.0	1.1	0.0	0.0	0.0	1.2	0.0	-1.2	0.0
		EQY	0.0	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.0	-0.1	0.0
		WLX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C(3-4)	6	D0	0.0	0.0	-0.3	0.0	-0.2	0.0	0.1	.7	0.0	0.0	0.1	0.0	0.0	0.0
		DL	0.0	0.0	-0.6	0.0	-0.4	0.0	0.3	1.0	0.0	0.0	-0.2	0.0	0.3	0.0
		LL	0.0	0.0	-0.3	0.0	-0.2	0.0	0.1	1.0	0.0	0.0	-0.1	0.0	0.1	0.0
		EQX	0.0	0.0	-2.6	0.0	-2.0	0.0	2.8	1.0	0.0	0.0	-2.6	0.0	2.8	0.0
		EQY	0.0	0.0	0.7	0.0	0.6	0.0	0.6	0.0	0.0	0.0	0.7	0.0	-0.6	0.0
		WLX	0.0	0.0	-0.1	0.0	-0.1	0.0	0.1	1.0	0.0	0.0	-0.1	0.0	0.1	0.0
		WLY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
C(4-7)	6	D0	0.5	0.0	-0.2	0.0	0.0	0.0	0.3	.5	0.5	0.0	0.2	0.0	0.0	0.0
		DL	0.8	0.0	-0.8	0.0	0.0	0.0	1.4	.5	0.8	0.0	0.8	0.0	0.0	0.0
		LL	0.8	0.0	-0.7	0.0	0.0	0.0	1.3	.5	0.8	0.0	0.7	0.0	0.0	0.0
		EQX	-0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.6	0.0	0.0	0.0	0.0	0.0
		EQY	-0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.5	0.0	0.0	0.0	0.0	0.0
		WLX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLY	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0
C(7-8)	6	D0	0.0	0.0	-0.2	0.0	-0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.0	-0.4	0.0
		DL	0.0	0.0	-0.1	0.0	-0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.0	-0.3	0.0
		LL	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	-0.1	0.0
		EQX	0.0	0.0	-0.8	0.0	-1.6	0.0	0.0	0.0	0.0	0.0	-0.8	0.0	-0.2	0.0
		EQY	0.0	0.0	0.3	0.0	0.4	0.0	0.4	0.0	0.0	0.0	0.3	0.0	-0.1	0.0
		WLX	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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Beam	Floor	Load	Axl	Shr2	Shr3	Torque	M2	M3	M2	X/L	Axl	Shr2	Shr3	Torque	M2	M3
C(8-9)	6	D0	0.0	0.0	-0.7	0.0	-0.3	0.0	0.6	.55	0.0	0.0	0.6	0.0	0.0	0.0
		DL	0.0	0.0	-0.6	0.0	-0.2	0.0	0.5	.55	0.0	0.0	0.4	0.0	0.0	0.0
		LL	0.0	0.0	-0.3	0.0	-0.1	0.0	0.2	.55	0.0	0.0	0.2	0.0	0.0	0.0
		EQX	0.0	0.0	-0.1	0.0	-0.2	0.0	0.1	1.0	0.0	0.0	-0.1	0.0	0.1	0.0
		EQY	0.0	0.0	0.0	0.0	-0.2	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
D(1-2)	6	D0	0.0	0.0	-0.3	0.0	0.2	0.0	0.3	.25	0.0	0.0	0.8	0.0	-0.6	0.0
		DL	0.0	0.0	-0.2	0.0	0.2	0.0	0.2	.2	0.0	0.0	0.6	0.0	-0.5	0.0
		LL	0.0	0.0	0.0	0.0	0.1	0.0	0.1	.1	0.0	0.0	0.3	0.0	-0.3	0.0
		EQX	0.0	0.0	-3.4	0.0	-4.8	0.0	4.9	1.0	0.0	0.0	-3.4	0.0	4.9	0.0
		EQY	0.0	0.0	0.5	0.0	0.7	0.0	0.7	0.0	0.0	0.0	0.5	0.0	-0.7	0.0
		WLX	0.0	0.0	-0.1	0.0	-0.2	0.0	0.2	1.0	0.0	0.0	-0.1	0.0	0.2	0.0
		WLY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
D(2-3)	6	D0	0.0	0.0	-0.4	0.0	-0.2	0.0	0.0	.6	0.0	0.0	0.3	0.0	0.0	0.0
		DL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
		LL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
		EQX	0.0	0.0	1.3	0.0	1.1	0.0	1.1	0.0	0.0	0.0	1.3	0.0	-1.0	0.0
		EQY	0.0	0.0	-0.2	0.0	-0.1	0.0	0.1	1.0	0.0	0.0	-0.2	0.0	0.1	0.0
		WLX	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
		WLY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
D(3-4)	6	D0	0.0	0.0	-0.4	0.0	-0.1	0.0	0.1	.65	0.0	0.0	0.2	0.0	0.0	0.0
		DL	0.0	0.0	-1.0	0.0	-0.7	0.0	0.6	1.0	0.0	0.0	-0.6	0.0	0.6	0.0
		LL	0.0	0.0	-0.4	0.0	-0.3	0.0	0.2	1.0	0.0	0.0	-0.2	0.0	0.2	0.0
		EQX	0.0	0.0	-7.0	0.0	-6.1	0.0	5.1	1.0	0.0	0.0	-7.0	0.0	5.1	0.0
		EQY	0.0	0.0	-0.7	0.0	-0.6	0.0	0.4	1.0	0.0	0.0	-0.7	0.0	0.4	0.0
		WLX	0.0	0.0	-0.3	0.0	-0.3	0.0	0.2	1.0	0.0	0.0	-0.3	0.0	0.2	0.0
		WLY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
D(4-7)	6	D0	0.5	0.0	-0.2	0.0	0.0	0.0	0.3	.5	0.5	0.0	0.2	0.0	0.0	0.0
		DL	0.8	0.0	-1.0	0.0	0.0	0.0	1.9	.5	0.8	0.0	1.0	0.0	0.0	0.0
		LL	0.7	0.0	-1.1	0.0	0.0	0.0	2.0	.5	0.7	0.0	1.1	0.0	0.0	0.0
		EQX	-0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.4	0.0	0.0	0.0	0.0	0.0
		EQY	-0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.3	0.0	0.0	0.0	0.0	0.0
		WLX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLY	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0
D(7-8)	6	D0	0.0	0.0	-0.6	0.0	-0.3	0.0	0.1	.95	0.0	0.0	0.0	0.0	0.1	0.0
		DL	0.0	0.0	-0.5	0.0	-0.2	0.0	0.3	1.0	0.0	0.0	-0.1	0.0	0.3	0.0
		LL	0.0	0.0	-0.2	0.0	-0.1	0.0	0.1	1.0	0.0	0.0	0.0	0.0	0.1	0.0
		EQX	0.0	0.0	-2.5	0.0	-2.3	0.0	1.7	1.0	0.0	0.0	-2.5	0.0	1.7	0.0
		EQY	0.0	0.0	-1.0	0.0	-0.8	0.0	0.9	1.0	0.0	0.0	-1.0	0.0	0.9	0.0
		WLX	0.0	0.0	-0.1	0.0	-0.1	0.0	0.1	1.0	0.0	0.0	-0.1	0.0	0.1	0.0
		WLY	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	1.0	0.0	0.0	-0.1	0.0	0.0	0.0
D(8-9)	6	D0	0.0	0.0	-0.8	0.0	-0.5	0.0	0.4	.5	0.0	0.0	0.9	0.0	-0.6	0.0
		DL	0.0	0.0	-0.5	0.0	-0.3	0.0	0.3	.45	0.0	0.0	0.7	0.0	-0.6	0.0
		LL	0.0	0.0	-0.2	0.0	-0.1	0.0	0.1	.4	0.0	0.0	0.3	0.0	-0.3	0.0
		EQX	0.0	0.0	-1.2	0.0	-2.6	0.0	2.8	1.0	0.0	0.0	-1.2	0.0	2.8	0.0
		EQY	0.0	0.0	0.1	0.0	0.2	0.0	0.2	0.0	0.0	0.0	0.1	0.0	-0.1	0.0
		WLX	0.0	0.0	0.0	0.0	-0.1	0.0	0.1	1.0	0.0	0.0	0.0	0.0	0.1	0.0
		WLY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E(1-3)	6	D0	0.0	0.0	-0.7	0.0	-0.3	0.0	0.3	.4	0.0	0.0	1.0	0.0	-1.1	0.0
		DL	0.0	0.0	-0.8	0.0	-0.5	0.0	0.2	.4	0.0	0.0	1.1	0.0	-1.2	0.0
		LL	0.0	0.0	-0.3	0.0	-0.1	0.0	0.1	.3	0.0	0.0	0.6	0.0	-0.9	0.0
		EQX	0.0	0.0	-1.4	0.0	-3.1	0.0	3.0	1.0	0.0	0.0	-1.4	0.0	3.0	0.0
		EQY	0.0	0.0	0.0	0.0	0.3	0.0	0.4	1.0	0.0	0.0	0.0	0.0	0.4	0.0
		WLX	0.0	0.0	-0.1	0.0	-0.1	0.0	0.1	1.0	0.0	0.0	-0.1	0.0	0.1	0.0
		WLY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E(3-4)	6	D0	0.0	0.0	-1.6	0.1	-2.3	0.0	0.0	0.0	0.0	0.0	-0.9	0.1	-0.2	0.0
		DL	0.0	0.0	-2.0	0.1	-3.4	0.0	0.0	0.0	0.0	0.0	-1.4	0.1	-0.5	0.0
		LL	0.0	0.0	-1.9	0.1	-3.5	0.0	0.0	0.0	0.0	0.0	-1.6	0.1	-0.5	0.0
		EQX	0.0	0.0	-0.3	0.0	-0.6	0.0	0.0	0.0	0.0	0.0	-0.3	0.0	0.0	0.0
		EQY	0.0	0.0	0.4	0.1	0.7	0.0	0.7	0.0	0.0	0.0	0.4	0.1	0.0	0.0
		WLX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLY	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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Beam	Floor	Load	Axl	Shr2	Shr3	Torque	M2	M3	M2	X/L	Axl	Shr2	Shr3	Torque	M2	M3
E(4-7)	6	D0	0.4	0.0	-0.2	0.0	0.0	0.0	0.3	.5	0.4	0.0	0.2	0.0	0.0	0.0
		DL	0.7	0.0	-1.3	0.0	0.0	0.0	2.5	.5	0.7	0.0	1.3	0.0	0.0	0.0
		LL	0.7	0.0	-1.5	0.0	0.0	0.0	2.8	.5	0.7	0.0	1.5	0.0	0.0	0.0
		EQX	-0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.3	0.0	0.0	0.0	0.0	0.0
		EQY	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
		WLX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLY	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0
E(7-8)	6	D0	0.0	0.0	0.9	-0.1	-0.2	0.0	0.0	0.0	0.0	0.0	1.5	-0.1	-2.2	0.0
		DL	0.0	0.0	1.4	-0.1	-0.5	0.0	0.0	0.0	0.0	0.0	1.9	-0.1	-3.3	0.0
		LL	0.0	0.0	1.6	-0.1	-0.5	0.0	0.0	0.0	0.0	0.0	1.8	-0.1	-3.4	0.0
		EQX	0.0	0.0	-0.3	0.0	0.0	0.0	0.5	1.0	0.0	0.0	-0.3	0.0	0.5	0.0
		EQY	0.0	0.0	-0.2	0.0	0.0	0.0	0.4	1.0	0.0	0.0	-0.2	0.0	0.4	0.0
		WLX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
E(8-9)	6	D0	0.0	0.0	-1.0	0.0	-1.1	0.0	0.3	.6	0.0	0.0	0.7	0.0	-0.3	0.0
		DL	0.0	0.0	-1.0	0.0	-1.1	0.0	0.1	.6	0.0	0.0	0.7	0.0	-0.5	0.0
		LL	0.0	0.0	-0.6	0.0	-0.8	0.0	0.0	.7	0.0	0.0	0.3	0.0	-0.1	0.0
		EQX	0.0	0.0	-1.3	0.0	-2.7	0.0	2.8	1.0	0.0	0.0	-1.3	0.0	2.8	0.0
		EQY	0.0	0.0	0.2	0.0	0.5	0.0	0.5	0.0	0.0	0.0	0.2	0.0	-0.5	0.0
		WLX	0.0	0.0	0.0	0.0	-0.1	0.0	0.1	1.0	0.0	0.0	0.0	0.0	0.1	0.0
		WLY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
E'(4-7)	6	D0	0.4	0.0	-0.2	0.0	0.0	0.0	0.3	.5	0.4	0.0	0.2	0.0	0.0	0.0
		DL	0.6	0.0	-1.1	0.0	0.0	0.0	2.0	.5	0.6	0.0	1.1	0.0	0.0	0.0
		LL	0.6	0.0	-1.2	0.0	0.0	0.0	2.2	.5	0.6	0.0	1.2	0.0	0.0	0.0
		EQX	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0
		EQY	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0
		WLX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLY	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0
F(1-3)	6	D0	0.0	0.0	-0.5	0.0	0.0	0.0	0.3	.3	0.0	0.0	1.2	0.0	-1.5	0.0
		DL	0.0	0.0	-0.1	0.0	0.2	0.0	0.2	.1	0.0	0.0	1.0	0.0	-1.7	0.0
		LL	0.0	0.0	0.2	0.0	0.4	0.0	0.4	0.0	0.0	0.0	0.7	0.0	-1.4	0.0
		EQX	0.0	0.0	-1.8	0.0	-3.9	0.0	3.9	1.0	0.0	0.0	-1.8	0.0	3.9	0.0
		EQY	0.0	0.0	-0.4	0.0	-0.8	0.0	0.8	1.0	0.0	0.0	-0.4	0.0	0.8	0.0
		WLX	0.0	0.0	-0.1	0.0	-0.2	0.0	0.2	1.0	0.0	0.0	-0.1	0.0	0.2	0.0
		WLY	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	-0.1	0.0
F(3-4)	6	D0	0.0	0.0	-2.5	0.0	-4.0	0.0	0.0	0.0	0.0	0.0	-1.9	0.0	-0.3	0.0
		DL	0.0	0.0	-3.0	0.0	-5.2	0.0	0.0	0.0	0.0	0.0	-2.4	0.0	-0.6	0.0
		LL	0.0	0.0	-2.8	0.0	-5.2	0.0	0.0	0.0	0.0	0.0	-2.5	0.0	-0.7	0.0
		EQX	0.0	0.0	0.1	0.0	0.2	0.0	0.2	0.0	0.0	0.0	0.1	0.0	0.0	0.0
		EQY	0.0	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0
		WLX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
F(4-7)	6	D0	0.4	0.0	-0.2	0.0	0.0	0.0	0.3	.5	0.4	0.0	0.2	0.0	0.0	0.0
		DL	0.6	0.0	-1.1	0.0	0.0	0.0	2.0	.5	0.6	0.0	1.1	0.0	0.0	0.0
		LL	0.6	0.0	-1.3	0.0	0.0	0.0	2.3	.5	0.6	0.0	1.3	0.0	0.0	0.0
		EQX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		EQY	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0
		WLX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLY	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0
F(7-8)	6	D0	0.0	0.0	1.9	0.0	-0.3	0.0	0.0	0.0	0.0	0.0	2.6	0.0	-4.1	0.0
		DL	0.0	0.0	2.5	0.0	-0.6	0.0	0.0	0.0	0.0	0.0	3.1	0.0	-5.4	0.0
		LL	0.0	0.0	2.6	0.0	-0.7	0.0	0.0	0.0	0.0	0.0	2.9	0.0	-5.3	0.0
		EQX	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	-0.1	0.0
		EQY	0.0	0.0	-0.1	0.0	0.0	0.0	0.3	1.0	0.0	0.0	-0.1	0.0	0.3	0.0
		WLX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
F(8-9)	6	D0	0.0	0.0	-1.2	0.0	-1.5	0.0	0.3	.7	0.0	0.0	0.5	0.0	-0.1	0.0
		DL	0.0	0.0	-0.9	0.0	-1.6	0.0	0.2	.9	0.0	0.0	0.1	0.0	0.2	0.0
		LL	0.0	0.0	-0.6	0.0	-1.3	0.0	0.4	1.0	0.0	0.0	-0.2	0.0	0.4	0.0
		EQX	0.0	0.0	-1.5	0.0	-3.3	0.0	3.3	1.0	0.0	0.0	-1.5	0.0	3.3	0.0
		EQY	0.0	0.0	0.5	0.0	1.2	0.0	1.2	0.0	0.0	0.0	0.5	0.0	-1.2	0.0
		WLX	0.0	0.0	-0.1	0.0	-0.1	0.0	0.1	1.0	0.0	0.0	-0.1	0.0	0.1	0.0
		WLY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0

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Beam	Floor	Load	Axl	Shr2	Shr3	Torque	M2	M3	M2	X/L	Axl	Shr2	Shr3	Torque	M2	M3
H(4-7)	6	D0	0.4	0.0	-0.2	0.0	0.0	0.0	0.3	.5	0.4	0.0	0.2	0.0	0.0	0.0
		DL	0.5	0.0	-0.6	0.0	0.0	0.0	1.1	.5	0.5	0.0	0.6	0.0	0.0	0.0
		LL	0.5	0.0	-0.7	0.0	0.0	0.0	1.3	.5	0.5	0.0	0.7	0.0	0.0	0.0
		EQX	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
		EQY	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0
		WLX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLY	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0
G(3-4)	6	D0	0.0	0.0	-1.3	0.0	-1.8	0.0	0.0	0.0	0.0	0.0	-0.6	0.0	-0.1	0.0
		DL	0.0	0.0	-0.6	-0.1	-1.0	0.0	0.0	0.0	0.0	0.0	-0.4	-0.1	-0.1	0.0
		LL	0.0	0.0	-0.5	-0.1	-0.9	0.0	0.0	0.0	0.0	0.0	-0.4	-0.1	-0.1	0.0
		EQX	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		EQY	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G(4-7)	6	D0	0.4	0.0	-0.2	0.0	0.0	0.0	0.3	.5	0.4	0.0	0.2	0.0	0.0	0.0
		DL	0.5	0.0	0.0	0.0	0.0	0.0	0.0	.5	0.5	0.0	0.0	0.0	0.0	0.0
		LL	0.5	0.0	0.0	0.0	0.0	0.0	0.0	.5	0.5	0.0	0.0	0.0	0.0	0.0
		EQX	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0
		EQY	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	0.0
		WLX	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
		WLY	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0
G(7-8)	6	D0	0.0	0.0	0.6	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	1.3	0.0	-1.8	0.0
		DL	0.0	0.0	0.3	0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.6	0.1	-1.0	0.0
		LL	0.0	0.0	0.3	0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.5	0.1	-0.8	0.0
		EQX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
		EQY	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	-0.1	0.0
		WLX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
1(A-B)	2	D0	0.0	0.0	-0.5	0.0	-0.2	0.0	0.1	.5	0.0	0.0	0.5	0.0	-0.2	0.0
		DL	0.0	0.0	-1.7	0.0	-0.6	0.0	0.5	.5	0.0	0.0	1.6	0.0	-0.6	0.0
		LL	0.0	0.0	-1.5	0.0	-0.5	0.0	0.5	.5	0.0	0.0	1.4	0.0	-0.4	0.0
		EQX	0.0	0.0	-0.5	0.0	-0.7	0.0	0.5	1.0	0.0	0.0	-0.5	0.0	0.5	0.0
		EQY	0.0	0.0	-2.3	0.0	-3.3	0.0	2.8	1.0	0.0	0.0	-2.3	0.0	2.8	0.0
		WLX	0.0	0.0	-0.1	0.0	-0.1	0.0	0.1	1.0	0.0	0.0	-0.1	0.0	0.1	0.0
		WLY	0.0	0.0	-0.1	0.0	-0.2	0.0	0.2	1.0	0.0	0.0	-0.1	0.0	0.2	0.0
1(B-C)	2	D0	0.0	0.0	-0.8	0.0	-0.4	0.0	0.3	1.0	0.0	0.0	-0.2	0.0	0.3	0.0
		DL	0.0	0.0	-0.9	0.0	-0.7	0.0	0.5	1.0	0.0	0.0	-0.7	0.0	0.5	0.0
		LL	0.0	0.0	-0.3	0.0	-0.4	0.0	0.1	1.0	0.0	0.0	-0.3	0.0	0.1	0.0
		EQX	0.0	0.0	-0.7	-0.2	-0.8	0.0	0.3	1.0	0.0	0.0	-0.7	-0.2	0.3	0.0
		EQY	0.0	0.0	-1.5	-0.1	-2.3	0.0	0.0	1.0	0.0	0.0	-1.5	-0.1	0.0	0.0
		WLX	0.0	0.0	-0.1	0.0	-0.1	0.0	0.0	1.0	0.0	0.0	-0.1	0.0	0.0	0.0
		WLY	0.0	0.0	-0.1	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0
1(C-D)	2	D0	0.0	0.0	0.1	0.0	0.3	0.0	0.3	0.0	0.0	0.0	0.8	0.0	-0.4	0.0
		DL	0.0	0.0	0.5	0.0	0.5	0.0	0.5	0.0	0.0	0.0	0.7	0.0	-0.5	0.0
		LL	0.0	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.2	0.0	-0.2	0.0
		EQX	0.0	0.0	-0.1	0.2	0.3	0.0	0.5	1.0	0.0	0.0	-0.1	0.2	0.5	0.0
		EQY	0.0	0.0	-1.2	0.1	0.3	0.0	2.3	1.0	0.0	0.0	-1.2	0.1	2.3	0.0
		WLX	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.0	0.0	0.0	0.0	0.0	0.1	0.0
		WLY	0.0	0.0	-0.1	0.0	0.0	0.0	0.1	1.0	0.0	0.0	-0.1	0.0	0.1	0.0
1(D-E)	2	D0	0.0	0.0	-0.6	0.0	-0.3	0.0	0.1	.55	0.0	0.0	0.5	0.0	-0.2	0.0
		DL	0.0	0.0	-0.4	0.0	-0.3	0.0	0.1	.75	0.0	0.0	0.2	0.0	0.0	0.0
		LL	0.0	0.0	-0.1	0.0	-0.1	0.0	0.0	.65	0.0	0.0	0.1	0.0	0.0	0.0
		EQX	0.0	0.0	0.3	0.0	0.4	0.0	0.4	0.0	0.0	0.0	0.3	0.0	-0.5	0.0
		EQY	0.0	0.0	-2.4	0.0	-3.3	0.0	3.3	1.0	0.0	0.0	-2.4	0.0	3.3	0.0
		WLX	0.0	0.0	-0.1	0.0	-0.1	0.0	0.1	1.0	0.0	0.0	-0.1	0.0	0.1	0.0
		WLY	0.0	0.0	-0.1	0.0	-0.2	0.0	0.2	1.0	0.0	0.0	-0.1	0.0	0.2	0.0
1(E-F)	2	D0	0.0	0.0	-0.8	0.0	-0.5	0.0	0.3	.5	0.0	0.0	0.8	0.0	-0.6	0.0
		DL	0.0	0.0	-0.5	0.0	-0.3	0.0	0.2	.45	0.0	0.0	0.5	0.0	-0.4	0.0
		LL	0.0	0.0	-0.2	0.0	-0.1	0.0	0.1	.45	0.0	0.0	0.2	0.0	-0.1	0.0
		EQX	0.0	0.0	-0.2	0.0	-0.4	0.0	0.4	1.0	0.0	0.0	-0.2	0.0	0.4	0.0
		EQY	0.0	0.0	-1.0	0.0	-2.1	0.0	2.1	1.0	0.0	0.0	-1.0	0.0	2.1	0.0
		WLX	0.0	0.0	0.0	0.0	-0.1	0.0	0.1	1.0	0.0	0.0	0.0	0.0	0.1	0.0
		WLY	0.0	0.0	-0.1	0.0	-0.1	0.0	0.1	1.0	0.0	0.0	-0.1	0.0	0.1	0.0

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Beam	Floor	Load	Axl	Shr2	Shr3	Torque	M2	M3	M2	X/L	Axl	Shr2	Shr3	Torque	M2	M3
1(F-G)	2	D0	0.0	0.0	-0.6	0.0	-0.2	0.0	0.2	.55	0.0	0.0	0.5	0.0	-0.1	0.0
		DL	0.0	0.0	-0.2	0.0	0.0	0.0	0.1	.45	0.0	0.0	0.3	0.0	-0.1	0.0
		LL	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	.45	0.0	0.0	0.1	0.0	0.0	0.0
		EQX	0.0	0.0	-0.3	0.0	-0.3	0.0	0.4	1.0	0.0	0.0	-0.3	0.0	0.4	0.0
		EQY	0.0	0.0	-1.7	0.0	-2.6	0.0	2.1	1.0	0.0	0.0	-1.7	0.0	2.1	0.0
		WLX	0.0	0.0	-0.1	0.0	-0.1	0.0	0.1	1.0	0.0	0.0	-0.1	0.0	0.1	0.0
		WLY	0.0	0.0	-0.1	0.0	-0.2	0.0	0.1	1.0	0.0	0.0	-0.1	0.0	0.1	0.0
3(A-B)	2	D0	0.0	0.0	-0.6	0.0	-0.2	0.0	0.2	.55	0.0	0.0	0.5	0.0	-0.1	0.0
		DL	0.0	0.0	-2.2	0.0	-0.8	0.0	0.7	.5	0.0	0.0	2.1	0.0	-0.7	0.0
		LL	0.0	0.0	-1.9	0.0	-0.6	0.0	0.7	.5	0.0	0.0	2.0	0.0	-0.7	0.0
		EQX	0.0	0.0	-0.4	0.0	-0.2	0.0	0.9	1.0	0.0	0.0	-0.4	0.0	0.9	0.0
		EQY	0.0	0.0	-3.2	0.0	-4.7	0.0	3.9	1.0	0.0	0.0	-3.2	0.0	3.9	0.0
		WLX	0.0	0.0	-0.1	0.0	-0.1	0.0	0.1	1.0	0.0	0.0	-0.1	0.0	0.1	0.0
		WLY	0.0	0.0	-0.2	0.0	-0.3	0.0	0.2	1.0	0.0	0.0	-0.2	0.0	0.2	0.0
3(B-C)	2	D0	0.0	0.0	-0.1	0.0	0.1	0.0	0.1	.15	0.0	0.0	0.6	0.0	-0.3	0.0
		DL	0.0	0.0	-0.2	0.0	-0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.0	-0.2	0.0
		LL	0.0	0.0	-0.2	0.0	-0.2	0.0	0.0	0.0	0.0	0.0	0.1	0.0	-0.1	0.0
		EQX	0.0	0.0	4.8	0.0	4.0	0.0	4.0	0.0	0.0	0.0	4.8	0.0	-4.0	0.0
		EQY	0.0	0.0	-5.1	0.0	-4.7	0.0	3.9	1.0	0.0	0.0	-5.1	0.0	3.9	0.0
		WLX	0.0	0.0	0.2	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.2	0.0	-0.1	0.0
		WLY	0.0	0.0	-0.3	0.0	-0.3	0.0	0.2	1.0	0.0	0.0	-0.3	0.0	0.2	0.0
3(C-D)	2	D0	0.0	0.0	-0.4	0.0	-0.2	0.0	0.0	0.0	0.0	0.0	0.3	0.0	-0.2	0.0
		DL	0.0	0.0	-0.2	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.4	0.0	-0.3	0.0
		LL	0.0	0.0	-0.2	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.3	0.0	-0.2	0.0
		EQX	0.0	0.0	-2.5	0.0	-3.1	0.0	1.4	1.0	0.0	0.0	-2.5	0.0	1.4	0.0
		EQY	0.0	0.0	-0.5	0.0	1.0	0.0	1.9	1.0	0.0	0.0	-0.5	0.0	1.9	0.0
		WLX	0.0	0.0	-0.1	0.0	-0.1	0.0	0.1	1.0	0.0	0.0	-0.1	0.0	0.1	0.0
		WLY	0.0	0.0	0.0	0.0	0.1	0.0	0.1	1.0	0.0	0.0	0.0	0.0	0.1	0.0
3(D-E)	2	D0	0.0	0.0	-0.6	0.0	-0.4	0.0	0.1	.6	0.0	0.0	0.4	0.0	-0.1	0.0
		DL	0.0	0.0	-0.9	0.0	-0.8	0.0	0.3	.9	0.0	0.0	0.1	0.0	0.3	0.0
		LL	0.0	0.0	-0.6	0.0	-0.5	0.0	0.2	.9	0.0	0.0	0.1	0.0	0.2	0.0
		EQX	0.0	0.0	-0.9	0.0	-1.2	0.0	1.3	1.0	0.0	0.0	-0.9	0.0	1.3	0.0
		EQY	0.0	0.0	-4.0	0.0	-5.6	0.0	5.2	1.0	0.0	0.0	-4.0	0.0	5.2	0.0
		WLX	0.0	0.0	-0.1	0.0	-0.1	0.0	0.1	1.0	0.0	0.0	-0.1	0.0	0.1	0.0
		WLY	0.0	0.0	-0.2	0.0	-0.3	0.0	0.3	1.0	0.0	0.0	-0.2	0.0	0.3	0.0
3(E-F)	2	D0	0.0	0.0	-0.8	0.0	-0.5	0.0	0.3	.5	0.0	0.0	0.8	0.0	-0.5	0.0
		DL	0.0	0.0	-0.9	0.0	-0.4	0.0	0.4	.45	0.0	0.0	1.0	0.0	-0.8	0.0
		LL	0.0	0.0	-0.6	0.0	-0.3	0.0	0.3	.45	0.0	0.0	0.7	0.0	-0.5	0.0
		EQX	0.0	0.0	0.1	0.0	0.3	0.0	0.3	0.0	0.0	0.0	0.1	0.0	-0.2	0.0
		EQY	0.0	0.0	-1.4	0.0	-2.9	0.0	3.1	1.0	0.0	0.0	-1.4	0.0	3.1	0.0
		WLX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLY	0.0	0.0	-0.1	0.0	-0.2	0.0	0.2	1.0	0.0	0.0	-0.1	0.0	0.2	0.0
3(F-G)	2	D0	0.0	0.0	-0.6	0.0	-0.3	0.0	0.1	.5	0.0	0.0	0.5	0.0	-0.2	0.0
		DL	0.0	0.0	-0.3	0.0	-0.1	0.0	0.1	.4	0.0	0.0	0.5	0.0	-0.3	0.0
		LL	0.0	0.0	-0.2	0.0	-0.1	0.0	0.1	.4	0.0	0.0	0.3	0.0	-0.2	0.0
		EQX	0.0	0.0	-0.1	0.0	-0.2	0.0	0.1	1.0	0.0	0.0	-0.1	0.0	0.1	0.0
		EQY	0.0	0.0	-3.0	0.0	-4.2	0.0	4.5	1.0	0.0	0.0	-3.0	0.0	4.5	0.0
		WLX	0.0	0.0	0.0	0.0	-0.1	0.0	0.1	1.0	0.0	0.0	0.0	0.0	0.1	0.0
		WLY	0.0	0.0	-0.2	0.0	-0.2	0.0	0.2	1.0	0.0	0.0	-0.2	0.0	0.2	0.0
4(B-C)	2	D0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	-0.4	0.0
		DL	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0	-0.9	0.0
		LL	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	-0.8	0.0
		EQX	0.0	0.0	-1.1	0.0	0.1	0.0	1.7	1.0	0.0	0.0	-1.1	0.0	1.7	0.0
		EQY	0.0	0.0	-1.3	0.0	0.2	0.0	2.1	1.0	0.0	0.0	-1.3	0.0	2.1	0.0
		WLX	0.0	0.0	-0.1	0.0	0.0	0.0	0.1	1.0	0.0	0.0	-0.1	0.0	0.1	0.0
		WLY	0.0	0.0	-0.1	0.0	0.0	0.0	0.1	1.0	0.0	0.0	-0.1	0.0	0.1	0.0
4(C-D)	2	D0	0.0	0.0	-0.3	0.0	-0.1	0.0	0.0	.7	0.0	0.0	0.1	0.0	0.0	0.0
		DL	0.0	0.0	-0.5	0.0	-0.3	0.0	0.1	1.0	0.0	0.0	-0.1	0.0	0.1	0.0
		LL	0.0	0.0	-0.3	0.0	-0.3	0.0	0.1	1.0	0.0	0.0	-0.1	0.0	0.1	0.0
		EQX	0.0	0.0	1.1	0.0	0.9	0.0	0.9	0.0	0.0	0.0	1.1	0.0	-0.7	0.0
		EQY	0.0	0.0	-7.3	0.0	-5.2	0.0	5.5	1.0	0.0	0.0	-7.3	0.0	5.5	0.0
		WLX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLY	0.0	0.0	-0.4	0.0	-0.3	0.0	0.3	1.0	0.0	0.0	-0.4	0.0	0.3	0.0

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Beam	Floor	Load	Axl	Shr2	Shr3	Torque	M2	M3	M2	X/L	Axl	Shr2	Shr3	Torque	M2	M3
5(E'-F)	2	D0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0	-1.0	0.0
		DL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	-0.8	0.0
		LL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	-0.6	0.0
		EQX	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.2
		EQY	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0
		WLX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5(F-G)	2	D0	0.0	0.0	-0.9	0.0	-0.9	0.0	0.2	.8	0.0	0.0	0.2	0.0	0.1	0.0
		DL	0.0	0.0	-1.0	0.0	-0.7	0.0	0.3	.65	0.0	0.0	0.5	0.0	0.0	0.0
		LL	0.0	0.0	-0.6	0.0	-0.5	0.0	0.1	.75	0.0	0.0	0.2	0.0	0.1	0.0
		EQX	0.0	0.0	0.4	0.0	0.5	0.0	0.5	0.0	0.0	0.0	0.4	0.0	-0.7	0.0
		EQY	0.0	0.0	-1.5	0.0	-1.9	0.0	2.4	1.0	0.0	0.0	-1.5	0.0	2.4	0.0
		WLX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLY	0.0	0.0	-0.5	0.0	-0.6	0.0	0.8	1.0	0.0	0.0	-0.5	0.0	0.8	0.0
5a(E'-F)	2	D0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0	-1.0	0.0
		DL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	-0.9	0.0
		LL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	-0.6	0.0
		EQX	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.2
		EQY	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0
		WLX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5a(F-G)	2	D0	0.0	0.0	-0.9	0.0	-0.9	0.0	0.2	.8	0.0	0.0	0.3	0.0	0.1	0.0
		DL	0.0	0.0	-1.1	0.0	-0.8	0.0	0.3	.65	0.0	0.0	0.5	0.0	0.0	0.0
		LL	0.0	0.0	-0.6	0.0	-0.6	0.0	0.1	.75	0.0	0.0	0.2	0.0	0.1	0.0
		EQX	0.0	0.0	-0.4	0.0	-0.5	0.0	0.7	1.0	0.0	0.0	-0.4	0.0	0.7	0.0
		EQY	0.0	0.0	-1.4	0.0	-1.9	0.0	2.5	1.0	0.0	0.0	-1.4	0.0	2.5	0.0
		WLX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLY	0.0	0.0	-0.5	0.0	-0.6	0.0	0.8	1.0	0.0	0.0	-0.5	0.0	0.8	0.0
7(B-C)	2	D0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	-0.5	0.0
		DL	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	-1.1	0.0
		LL	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	-0.9	0.0
		EQX	0.0	0.0	1.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	1.0	0.0	-1.6	0.0
		EQY	0.0	0.0	-1.2	0.0	0.2	0.0	1.9	1.0	0.0	0.0	-1.2	0.0	1.9	0.0
		WLX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0
		WLY	0.0	0.0	-0.1	0.0	0.0	0.0	0.1	1.0	0.0	0.0	-0.1	0.0	0.1	0.0
7(C-D)	2	D0	0.0	0.0	-0.3	0.0	-0.1	0.0	0.0	.75	0.0	0.0	0.1	0.0	0.0	0.0
		DL	0.0	0.0	-0.7	0.0	-0.5	0.0	0.2	1.0	0.0	0.0	-0.1	0.0	0.2	0.0
		LL	0.0	0.0	-0.4	0.0	-0.3	0.0	0.1	1.0	0.0	0.0	-0.1	0.0	0.1	0.0
		EQX	0.0	0.0	0.8	0.0	0.5	0.0	0.5	0.0	0.0	0.0	0.8	0.0	-0.7	0.0
		EQY	0.0	0.0	-11.6	0.0	-8.3	0.0	8.7	1.0	0.0	0.0	-11.6	0.0	8.7	0.0
		WLX	0.0	0.0	-0.1	0.0	-0.1	0.0	0.1	1.0	0.0	0.0	-0.1	0.0	0.1	0.0
		WLY	0.0	0.0	-0.6	0.0	-0.5	0.0	0.5	1.0	0.0	0.0	-0.6	0.0	0.5	0.0
8(A-B)	2	D0	0.0	0.0	-0.5	0.0	-0.2	0.0	0.1	.5	0.0	0.0	0.5	0.0	-0.2	0.0
		DL	0.0	0.0	-1.9	0.0	-0.7	0.0	0.5	.45	0.0	0.0	2.2	0.0	-1.1	0.0
		LL	0.0	0.0	-1.8	0.0	-0.6	0.0	0.6	.5	0.0	0.0	1.9	0.0	-0.8	0.0
		EQX	0.0	0.0	0.9	0.0	1.4	0.0	1.4	0.0	0.0	0.0	0.9	0.0	-1.0	0.0
		EQY	0.0	0.0	-6.2	0.0	-9.1	0.0	7.8	1.0	0.0	0.0	-6.2	0.0	7.8	0.0
		WLX	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLY	0.0	0.0	-0.4	0.0	-0.5	0.0	0.5	1.0	0.0	0.0	-0.4	0.0	0.5	0.0
8(B-C)	2	D0	0.0	0.0	-1.2	0.0	-0.7	0.0	0.7	1.0	0.0	0.0	-0.6	0.0	0.7	0.0
		DL	0.0	0.0	-2.8	-0.1	-2.0	0.0	2.0	1.0	0.0	0.0	-2.4	-0.1	2.0	0.0
		LL	0.0	0.0	-1.3	0.0	-1.0	0.0	0.8	1.0	0.0	0.0	-1.1	0.0	0.8	0.0
		EQX	0.0	0.0	1.6	-0.1	1.7	0.0	1.7	0.0	0.0	0.0	1.6	-0.1	-0.8	0.0
		EQY	0.0	0.0	-3.6	0.0	-5.8	0.0	0.0	0.0	0.0	0.0	-3.6	0.0	-0.3	0.0
		WLX	0.0	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0
		WLY	0.0	0.0	-0.2	0.0	-0.3	0.0	0.0	0.0	0.0	0.0	-0.2	0.0	0.0	0.0
8(C-D)	2	D0	0.0	0.0	0.7	0.0	0.7	0.0	0.7	0.0	0.0	0.0	1.3	0.0	-0.8	0.0
		DL	0.0	0.0	2.2	0.1	2.1	0.0	2.1	0.0	0.0	0.0	2.6	0.1	-1.7	0.0
		LL	0.0	0.0	0.9	0.0	0.9	0.0	0.9	0.0	0.0	0.0	1.2	0.0	-0.8	0.0
		EQX	0.0	0.0	0.0	0.1	-0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.1	-0.8	0.0
		EQY	0.0	0.0	-3.6	0.0	0.6	0.0	6.4	1.0	0.0	0.0	-3.6	0.0	6.4	0.0
		WLX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLY	0.0	0.0	-0.2	0.0	0.0	0.0	0.4	1.0	0.0	0.0	-0.2	0.0	0.4	0.0

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Beam	Floor	Load	Axl	Shr2	Shr3	Torque	M2	M3	M2	X/L	Axl	Shr2	Shr3	Torque	M2	M3
8(D-E)	2	D0	0.0	0.0	-0.6	0.0	-0.4	0.0	0.0	.6	0.0	0.0	0.4	0.0	-0.2	0.0
		DL	0.0	0.0	-0.9	0.0	-0.9	0.0	0.1	.9	0.0	0.0	0.1	0.0	0.1	0.0
		LL	0.0	0.0	-0.5	0.0	-0.5	0.0	0.1	.85	0.0	0.0	0.1	0.0	0.1	0.0
		EQX	0.0	0.0	0.7	0.0	0.9	0.0	0.9	0.0	0.0	0.0	0.7	0.0	-0.8	0.0
		EQY	0.0	0.0	-6.7	0.0	-8.7	0.0	8.8	1.0	0.0	0.0	-6.7	0.0	8.8	0.0
		WLX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLY	0.0	0.0	-0.4	0.0	-0.5	0.0	0.5	1.0	0.0	0.0	-0.4	0.0	0.5	0.0
8(E-F)	2	D0	0.0	0.0	-0.8	0.0	-0.5	0.0	0.3	.5	0.0	0.0	0.8	0.0	-0.6	0.0
		DL	0.0	0.0	-0.9	0.0	-0.4	0.0	0.4	.45	0.0	0.0	1.1	0.0	-0.8	0.0
		LL	0.0	0.0	-0.6	0.0	-0.3	0.0	0.3	.45	0.0	0.0	0.7	0.0	-0.5	0.0
		EQX	0.0	0.0	0.4	0.0	0.9	0.0	0.9	0.0	0.0	0.0	0.4	0.0	-0.8	0.0
		EQY	0.0	0.0	-2.7	0.0	-5.7	0.0	5.7	1.0	0.0	0.0	-2.7	0.0	5.7	0.0
		WLX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLY	0.0	0.0	-0.2	0.0	-0.3	0.0	0.3	1.0	0.0	0.0	-0.2	0.0	0.3	0.0
8(F-G)	2	D0	0.0	0.0	-0.6	0.0	-0.3	0.0	0.2	.5	0.0	0.0	0.6	0.0	-0.3	0.0
		DL	0.0	0.0	-0.5	0.0	-0.2	0.0	0.2	.45	0.0	0.0	0.7	0.0	-0.4	0.0
		LL	0.0	0.0	-0.3	0.0	-0.1	0.0	0.1	.45	0.0	0.0	0.4	0.0	-0.2	0.0
		EQX	0.0	0.0	0.8	0.0	1.2	0.0	1.2	0.0	0.0	0.0	0.8	0.0	-1.3	0.0
		EQY	0.0	0.0	-5.0	0.0	-7.6	0.0	8.1	1.0	0.0	0.0	-5.0	0.0	8.1	0.0
		WLX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0
		WLY	0.0	0.0	-0.3	0.0	-0.4	0.0	0.5	1.0	0.0	0.0	-0.3	0.0	0.5	0.0
9(A-B)	2	D0	0.0	0.0	-0.5	0.0	-0.2	0.0	0.1	.5	0.0	0.0	0.5	0.0	-0.2	0.0
		DL	0.0	0.0	-1.8	0.0	-0.7	0.0	0.5	.5	0.0	0.0	1.9	0.0	-0.7	0.0
		LL	0.0	0.0	-1.6	0.0	-0.6	0.0	0.5	.5	0.0	0.0	1.6	0.0	-0.6	0.0
		EQX	0.0	0.0	1.4	0.0	2.0	0.0	2.0	0.0	0.0	0.0	1.4	0.0	-1.8	0.0
		EQY	0.0	0.0	-7.4	0.0	-10.8	0.0	9.4	1.0	0.0	0.0	-7.4	0.0	9.4	0.0
		WLX	0.0	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.0	-0.1	0.0
		WLY	0.0	0.0	-0.5	0.0	-0.7	0.0	0.6	1.0	0.0	0.0	-0.5	0.0	0.6	0.0
9(B-C)	2	D0	0.0	0.0	-1.0	0.0	-0.6	0.0	0.5	1.0	0.0	0.0	-0.4	0.0	0.5	0.0
		DL	0.0	0.0	-1.4	0.1	-1.2	0.0	0.9	1.0	0.0	0.0	-1.3	0.1	0.9	0.0
		LL	0.0	0.0	-0.5	0.1	-0.5	0.0	0.2	1.0	0.0	0.0	-0.5	0.1	0.2	0.0
		EQX	0.0	0.0	0.8	-0.1	1.4	0.0	1.4	0.0	0.0	0.0	0.8	-0.1	0.1	0.0
		EQY	0.0	0.0	-4.3	0.0	-7.2	0.0	0.0	0.0	0.0	0.0	-4.3	0.0	-0.7	0.0
		WLX	0.0	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0
		WLY	0.0	0.0	-0.3	0.0	-0.4	0.0	0.0	0.0	0.0	0.0	-0.3	0.0	0.0	0.0
9(C-D)	2	D0	0.0	0.0	0.3	0.0	0.5	0.0	0.5	0.0	0.0	0.0	0.9	0.0	-0.5	0.0
		DL	0.0	0.0	0.9	-0.1	1.0	0.0	1.0	0.0	0.0	0.0	1.2	-0.1	-0.7	0.0
		LL	0.0	0.0	0.3	0.0	0.3	0.0	0.3	0.0	0.0	0.0	0.3	0.0	-0.2	0.0
		EQX	0.0	0.0	0.8	0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.8	0.1	-1.4	0.0
		EQY	0.0	0.0	-4.3	0.0	0.6	0.0	7.5	1.0	0.0	0.0	-4.3	0.0	7.5	0.0
		WLX	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	-0.1	0.0
		WLY	0.0	0.0	-0.3	0.0	0.0	0.0	0.5	1.0	0.0	0.0	-0.3	0.0	0.5	0.0
9(D-E)	2	D0	0.0	0.0	-0.5	0.0	-0.3	0.0	0.1	.5	0.0	0.0	0.5	0.0	-0.3	0.0
		DL	0.0	0.0	-0.3	0.0	-0.3	0.0	0.0	.6	0.0	0.0	0.2	0.0	-0.1	0.0
		LL	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	.45	0.0	0.0	0.1	0.0	-0.1	0.0
		EQX	0.0	0.0	1.4	0.0	1.9	0.0	1.9	0.0	0.0	0.0	1.4	0.0	-1.9	0.0
		EQY	0.0	0.0	-7.3	0.0	-9.7	0.0	9.9	1.0	0.0	0.0	-7.3	0.0	9.9	0.0
		WLX	0.0	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.0	-0.1	0.0
		WLY	0.0	0.0	-0.5	0.0	-0.6	0.0	0.6	1.0	0.0	0.0	-0.5	0.0	0.6	0.0
9(E-F)	2	D0	0.0	0.0	-0.8	0.0	-0.5	0.0	0.3	.5	0.0	0.0	0.8	0.0	-0.6	0.0
		DL	0.0	0.0	-0.5	0.0	-0.3	0.0	0.2	.45	0.0	0.0	0.6	0.0	-0.4	0.0
		LL	0.0	0.0	-0.2	0.0	-0.1	0.0	0.1	.45	0.0	0.0	0.2	0.0	-0.2	0.0
		EQX	0.0	0.0	0.6	0.0	1.2	0.0	1.2	0.0	0.0	0.0	0.6	0.0	-1.2	0.0
		EQY	0.0	0.0	-2.8	0.0	-6.3	0.0	5.8	1.0	0.0	0.0	-2.8	0.0	5.8	0.0
		WLX	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	-0.1	0.0
		WLY	0.0	0.0	-0.2	0.0	-0.4	0.0	0.4	1.0	0.0	0.0	-0.2	0.0	0.4	0.0
9(F-G)	2	D0	0.0	0.0	-0.6	0.0	-0.2	0.0	0.2	.5	0.0	0.0	0.6	0.0	-0.3	0.0
		DL	0.0	0.0	-0.5	0.0	-0.1	0.0	0.2	.45	0.0	0.0	0.7	0.0	-0.4	0.0
		LL	0.0	0.0	-0.2	0.0	0.0	0.0	0.1	.4	0.0	0.0	0.2	0.0	-0.1	0.0
		EQX	0.0	0.0	1.5	0.0	2.0	0.0	2.0	0.0	0.0	0.0	1.5	0.0	-2.6	0.0
		EQY	0.0	0.0	-8.5	0.0	-11.4	0.0	15.0	1.0	0.0	0.0	-8.5	0.0	15.0	0.0
		WLX	0.0	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.0	-0.2	0.0
		WLY	0.0	0.0	-0.5	0.0	-0.7	0.0	1.0	1.0	0.0	0.0	-0.5	0.0	1.0	0.0

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Beam	Floor	Load	Axl	Shr2	Shr3	Torque	M2	M3	M2	X/L	Axl	Shr2	Shr3	Torque	M2	M3
1(B-C)	3	D0	0.0	0.0	-0.8	0.0	-0.4	0.0	0.3	1.0	0.0	0.0	-0.2	0.0	0.3	0.0
		DL	0.0	0.0	-2.0	0.0	-0.8	0.0	0.8	1.0	0.0	0.0	0.0	0.0	0.8	0.0
		LL	0.0	0.0	-1.5	0.0	-0.5	0.0	0.6	.85	0.0	0.0	0.2	0.0	0.5	0.0
		EQX	0.0	0.0	-1.0	-0.2	-1.3	0.0	0.3	1.0	0.0	0.0	-1.0	-0.2	0.3	0.0
		EQY	0.0	0.0	-2.6	-0.1	-4.6	0.0	0.0	0.0	0.0	0.0	-2.6	-0.1	-0.6	0.0
		WLX	0.0	0.0	-0.1	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0
		WLY	0.0	0.0	-0.1	0.0	-0.2	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0
1(C-D)	3	D0	0.0	0.0	0.2	0.0	0.3	0.0	0.3	0.0	0.0	0.0	0.8	0.0	-0.5	0.0
		DL	0.0	0.0	0.8	0.0	0.7	0.0	0.7	0.0	0.0	0.0	1.1	0.0	-0.8	0.0
		LL	0.0	0.0	0.6	0.0	0.4	0.0	0.4	0.0	0.0	0.0	0.6	0.0	-0.5	0.0
		EQX	0.0	0.0	-0.2	0.2	0.3	0.0	0.8	1.0	0.0	0.0	-0.2	0.2	0.8	0.0
		EQY	0.0	0.0	-2.3	0.1	-0.1	0.0	3.7	1.0	0.0	0.0	-2.3	0.1	3.7	0.0
		WLX	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.0	0.0	0.0	0.0	0.0	0.1	0.0
		WLY	0.0	0.0	-0.1	0.0	0.0	0.0	0.2	1.0	0.0	0.0	-0.1	0.0	0.2	0.0
1(D-E)	3	D0	0.0	0.0	-0.6	0.0	-0.4	0.0	0.1	.6	0.0	0.0	0.4	0.0	-0.2	0.0
		DL	0.0	0.0	-0.5	0.0	-0.5	0.0	0.2	1.0	0.0	0.0	0.0	0.0	0.2	0.0
		LL	0.0	0.0	-0.2	0.0	-0.3	0.0	0.1	1.0	0.0	0.0	-0.1	0.0	0.1	0.0
		EQX	0.0	0.0	0.5	0.0	0.7	0.0	0.7	0.0	0.0	0.0	0.5	0.0	-0.7	0.0
		EQY	0.0	0.0	-2.9	0.0	-3.9	0.0	4.0	1.0	0.0	0.0	-2.9	0.0	4.0	0.0
		WLX	0.0	0.0	-0.1	0.0	-0.1	0.0	0.1	1.0	0.0	0.0	-0.1	0.0	0.1	0.0
		WLY	0.0	0.0	-0.1	0.0	-0.2	0.0	0.2	1.0	0.0	0.0	-0.1	0.0	0.2	0.0
1(E-F)	3	D0	0.0	0.0	-0.8	0.0	-0.6	0.0	0.3	.5	0.0	0.0	0.8	0.0	-0.5	0.0
		DL	0.0	0.0	-0.5	0.0	-0.2	0.0	0.2	.45	0.0	0.0	0.6	0.0	-0.4	0.0
		LL	0.0	0.0	-0.2	0.0	-0.1	0.0	0.1	.5	0.0	0.0	0.2	0.0	-0.1	0.0
		EQX	0.0	0.0	-0.2	0.0	-0.5	0.0	0.5	1.0	0.0	0.0	-0.2	0.0	0.5	0.0
		EQY	0.0	0.0	-1.5	0.0	-3.1	0.0	3.4	1.0	0.0	0.0	-1.5	0.0	3.4	0.0
		WLX	0.0	0.0	0.0	0.0	-0.1	0.0	0.1	1.0	0.0	0.0	0.0	0.0	0.1	0.0
		WLY	0.0	0.0	-0.1	0.0	-0.1	0.0	0.2	1.0	0.0	0.0	-0.1	0.0	0.2	0.0
3(B-C)	3	D0	0.0	0.0	0.0	0.0	0.3	0.0	0.3	0.0	0.0	0.0	0.7	0.0	-0.3	0.0
		DL	0.0	0.0	0.3	0.0	0.6	0.0	0.6	0.0	0.0	0.0	0.8	0.0	-0.4	0.0
		LL	0.0	0.0	0.3	0.0	0.5	0.0	0.5	0.0	0.0	0.0	0.6	0.0	-0.3	0.0
		EQX	0.0	0.0	3.8	-0.1	3.5	0.0	3.5	0.0	0.0	0.0	3.8	-0.1	-2.9	0.0
		EQY	0.0	0.0	-7.9	0.0	-8.4	0.0	5.0	1.0	0.0	0.0	-7.9	0.0	5.0	0.0
		WLX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0
		WLY	0.0	0.0	-0.5	0.0	-0.5	0.0	0.3	1.0	0.0	0.0	-0.5	0.0	0.3	0.0
3(C-D)	3	D0	0.0	0.0	-0.4	0.0	-0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.0	-0.2	0.0
		DL	0.0	0.0	-0.3	0.0	-0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.0	-0.3	0.0
		LL	0.0	0.0	-0.3	0.0	-0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.0	-0.2	0.0
		EQX	0.0	0.0	-2.0	0.0	-2.5	0.0	1.0	1.0	0.0	0.0	-2.0	0.0	1.0	0.0
		EQY	0.0	0.0	2.2	0.0	3.6	0.0	3.6	0.0	0.0	0.0	2.2	0.0	-0.4	0.0
		WLX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLY	0.0	0.0	0.1	0.0	0.2	0.0	0.2	0.0	0.0	0.0	0.1	0.0	0.1	0.0
3(D-E)	3	D0	0.0	0.0	-0.8	0.0	-0.6	0.0	0.2	.7	0.0	0.0	0.3	0.0	0.1	0.0
		DL	0.0	0.0	-1.1	0.0	-1.0	0.0	0.6	1.0	0.0	0.0	-0.1	0.0	0.6	0.0
		LL	0.0	0.0	-0.7	0.0	-0.7	0.0	0.4	1.0	0.0	0.0	-0.1	0.0	0.4	0.0
		EQX	0.0	0.0	-1.2	0.0	-1.6	0.0	1.6	1.0	0.0	0.0	-1.2	0.0	1.6	0.0
		EQY	0.0	0.0	-4.7	0.0	-6.5	0.0	6.1	1.0	0.0	0.0	-4.7	0.0	6.1	0.0
		WLX	0.0	0.0	-0.1	0.0	-0.2	0.0	0.2	1.0	0.0	0.0	-0.1	0.0	0.2	0.0
		WLY	0.0	0.0	-0.3	0.0	-0.4	0.0	0.3	1.0	0.0	0.0	-0.3	0.0	0.3	0.0
3(E-F)	3	D0	0.0	0.0	-0.8	0.0	-0.6	0.0	0.3	.5	0.0	0.0	0.8	0.0	-0.5	0.0
		DL	0.0	0.0	-1.0	0.0	-0.5	0.0	0.5	.45	0.0	0.0	1.2	0.0	-0.9	0.0
		LL	0.0	0.0	-0.7	0.0	-0.4	0.0	0.3	.45	0.0	0.0	0.8	0.0	-0.6	0.0
		EQX	0.0	0.0	0.1	0.0	0.2	0.0	0.2	0.0	0.0	0.0	0.1	0.0	-0.1	0.0
		EQY	0.0	0.0	-1.6	0.0	-3.4	0.0	3.5	1.0	0.0	0.0	-1.6	0.0	3.5	0.0
		WLX	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.0	0.0	0.0	0.0	0.0	0.1	0.0
		WLY	0.0	0.0	-0.1	0.0	-0.2	0.0	0.2	1.0	0.0	0.0	-0.1	0.0	0.2	0.0
3(F-G)	3	D0	0.0	0.2	-0.5	0.0	-0.1	0.5	0.1	.45	0.0	0.2	0.6	0.0	-0.4	0.0
		DL	0.0	0.1	0.3	0.0	0.3	0.4	0.3	0.0	0.0	0.1	0.3	0.0	-0.4	0.0
		LL	0.0	0.1	0.1	0.0	0.1	0.2	0.1	0.0	0.0	0.1	0.1	0.0	-0.2	0.0
		EQX	-0.2	-0.1	-0.3	0.0	-0.4	-0.2	0.4	1.0	-0.2	-0.1	-0.3	0.0	0.4	0.2
		EQY	-0.9	0.3	-3.2	0.0	-4.5	0.6	4.7	1.0	-0.9	0.3	-3.2	0.0	4.7	-0.2
		WLX	-0.3	0.0	-0.1	0.0	-0.1	0.1	0.1	1.0	-0.3	0.0	-0.1	0.0	0.1	0.0
		WLY	0.1	0.1	-0.2	0.0	-0.3	0.2	0.3	1.0	0.1	0.1	-0.2	0.0	0.3	0.0

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Beam	Floor	Load	Axl	Shr2	Shr3	Torque	M2	M3	M2	X/L	Axl	Shr2	Shr3	Torque	M2	M3
4(B-C)	3	D0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	-0.6	0.0
		DL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0	-0.6	0.0
		LL	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	-0.5	0.0
		EQX	0.0	0.0	-2.1	0.1	0.3	0.0	3.3	1.0	0.0	0.0	-2.1	0.1	3.3	0.0
		EQY	0.0	0.0	-1.6	0.1	0.2	0.0	2.5	1.0	0.0	0.0	-1.6	0.1	2.5	0.0
		WLX	0.0	0.0	-0.1	0.0	0.0	0.0	0.2	1.0	0.0	0.0	-0.1	0.0	0.2	0.0
		WLY	0.0	0.0	-0.1	0.0	0.0	0.0	0.2	1.0	0.0	0.0	-0.1	0.0	0.2	0.0
4(C-D)	3	D0	0.0	0.0	-0.3	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.2	0.0	-0.1	0.0
		DL	0.0	0.0	-0.5	0.0	-0.2	0.0	0.0	.85	0.0	0.0	0.1	0.0	0.0	0.0
		LL	0.0	0.0	-0.2	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
		EQX	0.0	0.0	1.7	0.0	1.5	0.0	1.5	0.0	0.0	0.0	1.7	0.0	-0.9	0.0
		EQY	0.0	0.0	-7.9	0.0	-5.6	0.0	6.0	1.0	0.0	0.0	-7.9	0.0	6.0	0.0
		WLX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLY	0.0	0.0	-0.5	0.0	-0.3	0.0	0.4	1.0	0.0	0.0	-0.5	0.0	0.4	0.0
7(B-C)	3	D0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	-0.6	0.0
		DL	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0	-0.7	0.0
		LL	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	-0.4	0.0
		EQX	0.0	0.0	1.7	0.1	-0.3	0.0	0.0	0.0	0.0	0.0	1.7	0.1	-2.7	0.0
		EQY	0.0	0.0	-0.9	-0.1	0.1	0.0	1.4	1.0	0.0	0.0	-0.9	-0.1	1.4	0.0
		WLX	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	-0.1	0.0
		WLY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
7(C-D)	3	D0	0.0	0.0	-0.3	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.2	0.0	-0.1	0.0
		DL	0.0	0.0	-0.5	0.0	-0.3	0.0	0.1	1.0	0.0	0.0	0.0	0.0	0.1	0.0
		LL	0.0	0.0	-0.2	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
		EQX	0.0	0.0	-1.2	0.0	-1.1	0.0	0.6	1.0	0.0	0.0	-1.2	0.0	0.6	0.0
		EQY	0.0	0.0	-8.0	0.0	-5.8	0.0	5.9	1.0	0.0	0.0	-8.0	0.0	5.9	0.0
		WLX	0.0	0.0	-0.1	0.0	-0.1	0.0	0.0	1.0	0.0	0.0	-0.1	0.0	0.0	0.0
		WLY	0.0	0.0	-0.5	0.0	-0.3	0.0	0.3	1.0	0.0	0.0	-0.5	0.0	0.3	0.0
8(B-C)	3	D0	0.0	0.0	-1.1	0.0	-0.6	0.0	0.7	1.0	0.0	0.0	-0.5	0.0	0.7	0.0
		DL	0.0	0.0	-2.1	-0.1	-1.3	0.0	1.6	1.0	0.0	0.0	-1.7	-0.1	1.6	0.0
		LL	0.0	0.0	-0.9	0.0	-0.5	0.0	0.7	1.0	0.0	0.0	-0.7	0.0	0.7	0.0
		EQX	0.0	0.0	1.7	-0.1	2.0	0.0	2.0	0.0	0.0	0.0	1.7	-0.1	-0.5	0.0
		EQY	0.0	0.0	-3.9	0.0	-6.8	0.0	0.0	0.0	0.0	0.0	-3.9	0.0	-0.9	0.0
		WLX	0.0	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0
		WLY	0.0	0.0	-0.2	0.0	-0.4	0.0	0.0	0.0	0.0	0.0	-0.2	0.0	-0.1	0.0
8(C-D)	3	D0	0.0	0.0	0.6	0.0	0.6	0.0	0.6	0.0	0.0	0.0	1.2	0.0	-0.8	0.0
		DL	0.0	0.0	1.8	0.1	1.6	0.0	1.6	0.0	0.0	0.0	2.2	0.1	-1.6	0.0
		LL	0.0	0.0	0.9	0.0	0.7	0.0	0.7	0.0	0.0	0.0	1.1	0.0	-0.8	0.0
		EQX	0.0	0.0	0.1	0.1	-0.7	0.0	0.0	0.0	0.0	0.0	0.1	0.1	-0.9	0.0
		EQY	0.0	0.0	-3.4	0.0	0.1	0.0	5.5	1.0	0.0	0.0	-3.4	0.0	5.5	0.0
		WLX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLY	0.0	0.0	-0.2	0.0	0.0	0.0	0.3	1.0	0.0	0.0	-0.2	0.0	0.3	0.0
8(D-E)	3	D0	0.0	0.0	-0.6	0.0	-0.4	0.0	0.1	.6	0.0	0.0	0.4	0.0	-0.2	0.0
		DL	0.0	0.0	-0.8	0.0	-0.7	0.0	0.2	.85	0.0	0.0	0.2	0.0	0.1	0.0
		LL	0.0	0.0	-0.6	0.0	-0.5	0.0	0.2	.9	0.0	0.0	0.0	0.0	0.2	0.0
		EQX	0.0	0.0	-0.5	0.0	-0.7	0.0	0.7	1.0	0.0	0.0	-0.5	0.0	0.7	0.0
		EQY	0.0	0.0	-4.8	0.0	-6.2	0.0	6.3	1.0	0.0	0.0	-4.8	0.0	6.3	0.0
		WLX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLY	0.0	0.0	-0.3	0.0	-0.3	0.0	0.3	1.0	0.0	0.0	-0.3	0.0	0.3	0.0
8(E-F)	3	D0	0.0	0.0	-0.8	0.0	-0.5	0.0	0.3	.5	0.0	0.0	0.8	0.0	-0.6	0.0
		DL	0.0	0.0	-1.0	0.0	-0.5	0.0	0.5	.45	0.0	0.0	1.2	0.0	-0.9	0.0
		LL	0.0	0.0	-0.7	0.0	-0.3	0.0	0.3	.45	0.0	0.0	0.8	0.0	-0.6	0.0
		EQX	0.0	0.0	0.3	0.0	0.7	0.0	0.7	0.0	0.0	0.0	0.3	0.0	-0.6	0.0
		EQY	0.0	0.0	-2.1	0.0	-4.5	0.0	4.5	1.0	0.0	0.0	-2.1	0.0	4.5	0.0
		WLX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLY	0.0	0.0	-0.1	0.0	-0.2	0.0	0.2	1.0	0.0	0.0	-0.1	0.0	0.2	0.0
8(F-G)	3	D0	0.0	-0.1	-0.5	0.0	-0.2	-0.4	0.2	.45	0.0	-0.1	0.7	0.0	-0.4	0.0
		DL	0.1	-0.1	0.2	0.0	0.3	-0.4	0.3	0.0	0.1	-0.1	0.2	0.0	-0.4	0.0
		LL	0.1	-0.1	0.1	0.0	0.1	-0.2	0.1	0.0	0.1	-0.1	0.1	0.0	-0.2	0.0
		EQX	0.1	-0.1	0.6	0.0	1.0	-0.1	1.0	0.0	0.1	-0.1	0.6	0.0	-1.0	0.2
		EQY	0.1	0.3	-3.4	0.0	-5.3	0.7	5.5	1.0	0.1	0.3	-3.4	0.0	5.5	-0.2
		WLX	-0.2	0.0	0.0	0.0	0.0	0.1	0.0	0.0	-0.2	0.0	0.0	0.0	0.0	0.0
		WLY	0.2	0.0	-0.2	0.0	-0.3	-0.1	0.3	1.0	0.2	0.0	-0.2	0.0	0.3	0.0

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Beam	Floor	Load	Axl	Shr2	Shr3	Torque	M2	M3	M2	X/L	Axl	Shr2	Shr3	Torque	M2	M3
9(B-C)	3	D0	0.0	0.0	-1.0	0.1	-0.6	0.0	0.5	1.0	0.0	0.0	-0.4	0.1	0.5	0.0
		DL	0.0	0.0	-2.3	0.1	-1.1	0.0	1.2	1.0	0.0	0.0	-0.7	0.1	1.2	0.0
		LL	0.0	0.0	-1.5	0.0	-0.5	0.0	0.7	1.0	0.0	0.0	-0.1	0.0	0.7	0.0
		EQX	0.0	0.0	0.9	-0.1	1.6	0.0	1.6	0.0	0.0	0.0	0.9	-0.1	0.2	0.0
		EQY	0.0	0.0	-4.7	0.0	-8.9	0.0	0.0	0.0	0.0	0.0	-4.7	0.0	-1.6	0.0
		WLX	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLY	0.0	0.0	-0.2	0.0	-0.5	0.0	0.0	0.0	0.0	0.0	-0.2	0.0	-0.1	0.0
9(C-D)	3	D0	0.0	0.0	0.3	0.0	0.5	0.0	0.5	0.0	0.0	0.0	1.0	0.0	-0.6	0.0
		DL	0.0	0.0	1.2	-0.1	1.1	0.0	1.1	0.0	0.0	0.0	1.5	-0.1	-1.1	0.0
		LL	0.0	0.0	0.7	0.0	0.6	0.0	0.6	0.0	0.0	0.0	0.8	0.0	-0.6	0.0
		EQX	0.0	0.0	0.9	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.1	-1.4	0.0
		EQY	0.0	0.0	-4.8	0.0	-0.2	0.0	7.6	1.0	0.0	0.0	-4.8	0.0	7.6	0.0
		WLX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0
		WLY	0.0	0.0	-0.3	0.0	0.0	0.0	0.4	1.0	0.0	0.0	-0.3	0.0	0.4	0.0
9(D-E)	3	D0	0.0	0.0	-0.5	0.0	-0.3	0.0	0.1	.5	0.0	0.0	0.5	0.0	-0.3	0.0
		DL	0.0	0.0	-0.4	0.0	-0.3	0.0	0.0	.7	0.0	0.0	0.2	0.0	0.0	0.0
		LL	0.0	0.0	-0.2	0.0	-0.2	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
		EQX	0.0	0.0	1.1	0.0	1.5	0.0	1.5	0.0	0.0	0.0	1.1	0.0	-1.5	0.0
		EQY	0.0	0.0	-5.6	0.0	-7.5	0.0	7.6	1.0	0.0	0.0	-5.6	0.0	7.6	0.0
		WLX	0.0	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.0	-0.1	0.0
		WLY	0.0	0.0	-0.3	0.0	-0.4	0.0	0.4	1.0	0.0	0.0	-0.3	0.0	0.4	0.0
9(E-F)	3	D0	0.0	0.0	-0.8	0.0	-0.6	0.0	0.3	.5	0.0	0.0	0.8	0.0	-0.5	0.0
		DL	0.0	0.0	-0.5	0.0	-0.3	0.0	0.2	.45	0.0	0.0	0.6	0.0	-0.4	0.0
		LL	0.0	0.0	-0.2	0.0	-0.1	0.0	0.1	.5	0.0	0.0	0.2	0.0	-0.1	0.0
		EQX	0.0	0.0	0.6	0.0	1.2	0.0	1.2	0.0	0.0	0.0	0.6	0.0	-1.4	0.0
		EQY	0.0	0.0	-3.1	0.0	-6.3	0.0	7.1	1.0	0.0	0.0	-3.1	0.0	7.1	0.0
		WLX	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	-0.1	0.0
		WLY	0.0	0.0	-0.2	0.0	-0.3	0.0	0.4	1.0	0.0	0.0	-0.2	0.0	0.4	0.0
1(A-B)	4	D0	0.0	0.0	-0.7	0.0	-0.4	0.0	0.2	.65	0.0	0.0	0.4	0.0	0.0	0.0
		DL	0.0	0.0	-1.8	0.0	-0.8	0.0	0.6	.55	0.0	0.0	1.5	0.0	-0.3	0.0
		LL	0.0	0.0	-1.6	0.0	-0.6	0.0	0.5	.55	0.0	0.0	1.4	0.0	-0.4	0.0
		EQX	0.0	0.0	-0.7	0.0	-0.9	0.0	1.0	1.0	0.0	0.0	-0.7	0.0	1.0	0.0
		EQY	0.0	0.0	-3.0	0.0	-3.9	0.0	4.3	1.0	0.0	0.0	-3.0	0.0	4.3	0.0
		WLX	0.0	0.0	-0.1	0.0	-0.1	0.0	0.1	1.0	0.0	0.0	-0.1	0.0	0.1	0.0
		WLY	0.0	0.0	-0.1	0.0	-0.2	0.0	0.2	1.0	0.0	0.0	-0.1	0.0	0.2	0.0
3(A-B)	4	D0	0.0	0.0	-0.6	0.0	-0.3	0.0	0.1	.55	0.0	0.0	0.5	0.0	-0.1	0.0
		DL	0.0	0.0	-2.1	0.0	-0.8	0.0	0.6	.5	0.0	0.0	2.2	0.0	-0.8	0.0
		LL	0.0	0.0	-1.9	0.0	-0.7	0.0	0.6	.5	0.0	0.0	2.0	0.0	-0.8	0.0
		EQX	0.0	0.0	0.4	0.0	0.4	0.0	0.4	0.0	0.0	0.0	0.4	0.0	-0.6	0.0
		EQY	0.0	0.0	-3.8	0.0	-4.8	0.0	5.4	1.0	0.0	0.0	-3.8	0.0	5.4	0.0
		WLX	0.0	0.0	-0.1	0.0	-0.1	0.0	0.1	1.0	0.0	0.0	-0.1	0.0	0.1	0.0
		WLY	0.0	0.0	-0.2	0.0	-0.3	0.0	0.3	1.0	0.0	0.0	-0.2	0.0	0.3	0.0
8(A-B)	4	D0	0.0	0.0	-0.7	0.0	-0.4	0.0	0.2	.65	0.0	0.0	0.3	0.0	0.1	0.0
		DL	0.0	0.0	-2.3	0.0	-1.0	0.0	0.7	.55	0.0	0.0	1.9	0.0	-0.5	0.0
		LL	0.0	0.0	-1.9	0.0	-0.7	0.0	0.6	.5	0.0	0.0	1.8	0.0	-0.6	0.0
		EQX	0.0	0.0	0.6	0.0	0.7	0.0	0.7	0.0	0.0	0.0	0.6	0.0	-0.9	0.0
		EQY	0.0	0.0	-3.6	0.0	-4.5	0.0	5.3	1.0	0.0	0.0	-3.6	0.0	5.3	0.0
		WLX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLY	0.0	0.0	-0.2	0.0	-0.2	0.0	0.3	1.0	0.0	0.0	-0.2	0.0	0.3	0.0
9(A-B)	4	D0	0.0	0.0	-0.7	0.0	-0.4	0.0	0.2	.65	0.0	0.0	0.4	0.0	0.0	0.0
		DL	0.0	0.0	-2.0	0.0	-0.8	0.0	0.6	.55	0.0	0.0	1.7	0.0	-0.4	0.0
		LL	0.0	0.0	-1.7	0.0	-0.6	0.0	0.6	.5	0.0	0.0	1.6	0.0	-0.4	0.0
		EQX	0.0	0.0	1.0	0.0	1.2	0.0	1.2	0.0	0.0	0.0	1.0	0.0	-1.4	0.0
		EQY	0.0	0.0	-4.8	0.0	-6.0	0.0	6.9	1.0	0.0	0.0	-4.8	0.0	6.9	0.0
		WLX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLY	0.0	0.0	-0.2	0.0	-0.3	0.0	0.3	1.0	0.0	0.0	-0.2	0.0	0.3	0.0
1(B-C)	5	D0	0.0	0.0	-0.8	0.0	-0.4	0.0	0.3	1.0	0.0	0.0	-0.2	0.0	0.3	0.0
		DL	0.0	0.0	-0.9	0.0	-0.6	0.0	0.5	1.0	0.0	0.0	-0.6	0.0	0.5	0.0
		LL	0.0	0.0	-0.3	0.0	-0.2	0.0	0.1	1.0	0.0	0.0	-0.2	0.0	0.1	0.0
		EQX	0.0	0.0	-0.9	-0.2	-1.4	0.0	0.1	1.0	0.0	0.0	-0.9	-0.2	0.1	0.0
		EQY	0.0	0.0	-1.9	-0.1	-3.3	0.0	0.0	0.0	0.0	0.0	-1.9	-0.1	-0.3	0.0
		WLX	0.0	0.0	-0.1	0.0	-0.1	0.0	0.0	1.0	0.0	0.0	-0.1	0.0	0.0	0.0
		WLY	0.0	0.0	-0.1	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0

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Beam	Floor	Load	Axl	Shr2	Shr3	Torque	M2	M3	M2	X/L	Axl	Shr2	Shr3	Torque	M2	M3
1(C-D)	5	D0	0.0	0.0	0.2	0.0	0.3	0.0	0.3	0.0	0.0	0.0	0.8	0.0	-0.5	0.0
		DL	0.0	0.0	0.5	0.0	0.5	0.0	0.5	0.0	0.0	0.0	0.8	0.0	-0.6	0.0
		LL	0.0	0.0	0.2	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.3	0.0	-0.2	0.0
		EQX	0.0	0.0	-0.4	0.1	0.3	0.0	1.0	1.0	0.0	0.0	-0.4	0.1	1.0	0.0
		EQY	0.0	0.0	-1.7	0.0	0.1	0.0	3.0	1.0	0.0	0.0	-1.7	0.0	3.0	0.0
		WLX	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.0	0.0	0.0	0.0	0.0	0.1	0.0
		WLY	0.0	0.0	-0.1	0.0	0.0	0.0	0.1	1.0	0.0	0.0	-0.1	0.0	0.1	0.0
1(D-E)	5	D0	0.0	0.0	-0.6	0.0	-0.4	0.0	0.1	.55	0.0	0.0	0.4	0.0	-0.1	0.0
		DL	0.0	0.0	-0.5	0.0	-0.5	0.0	0.2	.95	0.0	0.0	0.0	0.0	0.2	0.0
		LL	0.0	0.0	-0.2	0.0	-0.2	0.0	0.1	1.0	0.0	0.0	0.0	0.0	0.1	0.0
		EQX	0.0	0.0	0.4	0.0	0.5	0.0	0.5	0.0	0.0	0.0	0.4	0.0	-0.5	0.0
		EQY	0.0	0.0	-2.6	0.0	-3.5	0.0	3.6	1.0	0.0	0.0	-2.6	0.0	3.6	0.0
		WLX	0.0	0.0	-0.1	0.0	-0.1	0.0	0.1	1.0	0.0	0.0	-0.1	0.0	0.1	0.0
		WLY	0.0	0.0	-0.1	0.0	-0.2	0.0	0.2	1.0	0.0	0.0	-0.1	0.0	0.2	0.0
1(E-F)	5	D0	0.0	0.0	-0.8	0.0	-0.6	0.0	0.3	.5	0.0	0.0	0.8	0.0	-0.6	0.0
		DL	0.0	0.0	-0.5	0.0	-0.2	0.0	0.2	.45	0.0	0.0	0.6	0.0	-0.4	0.0
		LL	0.0	0.0	-0.2	0.0	-0.1	0.0	0.1	.5	0.0	0.0	0.2	0.0	-0.1	0.0
		EQX	0.0	0.0	-0.3	0.0	-0.7	0.0	0.7	1.0	0.0	0.0	-0.3	0.0	0.7	0.0
		EQY	0.0	0.0	-1.3	0.0	-2.7	0.0	2.9	1.0	0.0	0.0	-1.3	0.0	2.9	0.0
		WLX	0.0	0.0	0.0	0.0	-0.1	0.0	0.1	1.0	0.0	0.0	0.0	0.0	0.1	0.0
		WLY	0.0	0.0	-0.1	0.0	-0.1	0.0	0.1	1.0	0.0	0.0	-0.1	0.0	0.1	0.0
3(B-C)	5	D0	0.0	0.0	0.1	0.0	0.4	0.0	0.4	0.0	0.0	0.0	0.8	0.0	-0.4	0.0
		DL	0.0	0.0	0.3	0.0	0.5	0.0	0.5	0.0	0.0	0.0	0.7	0.0	-0.4	0.0
		LL	0.0	0.0	0.2	0.0	0.4	0.0	0.4	0.0	0.0	0.0	0.5	0.0	-0.3	0.0
		EQX	0.0	0.0	2.2	-0.1	2.2	0.0	2.2	0.0	0.0	0.0	2.2	-0.1	-1.5	0.0
		EQY	0.0	0.0	-6.1	0.0	-6.0	0.0	4.3	1.0	0.0	0.0	-6.1	0.0	4.3	0.0
		WLX	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLY	0.0	0.0	-0.3	0.0	-0.3	0.0	0.2	1.0	0.0	0.0	-0.3	0.0	0.2	0.0
3(C-D)	5	D0	0.0	0.0	-0.4	0.0	-0.3	0.0	0.0	0.0	0.0	0.0	0.2	0.0	-0.1	0.0
		DL	0.0	0.0	-0.3	0.0	-0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.0	-0.3	0.0
		LL	0.0	0.0	-0.3	0.0	-0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.0	-0.2	0.0
		EQX	0.0	0.0	-0.3	0.0	-1.2	0.0	0.0	0.0	0.0	0.0	-0.3	0.0	-0.8	0.0
		EQY	0.0	0.0	3.0	0.0	3.6	0.0	3.6	0.0	0.0	0.0	3.0	0.0	-1.7	0.0
		WLX	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	-0.1	0.0
		WLY	0.0	0.0	0.1	0.0	0.2	0.0	0.2	0.0	0.0	0.0	0.1	0.0	-0.1	0.0
3(D-E)	5	D0	0.0	0.0	-0.8	0.0	-0.7	0.0	0.2	.8	0.0	0.0	0.2	0.0	0.2	0.0
		DL	0.0	0.0	-1.2	0.0	-1.2	0.0	0.7	1.0	0.0	0.0	-0.2	0.0	0.7	0.0
		LL	0.0	0.0	-0.8	0.0	-0.8	0.0	0.5	1.0	0.0	0.0	-0.1	0.0	0.5	0.0
		EQX	0.0	0.0	-0.9	0.0	-1.2	0.0	1.2	1.0	0.0	0.0	-0.9	0.0	1.2	0.0
		EQY	0.0	0.0	-3.5	0.0	-4.9	0.0	4.6	1.0	0.0	0.0	-3.5	0.0	4.6	0.0
		WLX	0.0	0.0	-0.1	0.0	-0.1	0.0	0.1	1.0	0.0	0.0	-0.1	0.0	0.1	0.0
		WLY	0.0	0.0	-0.2	0.0	-0.3	0.0	0.2	1.0	0.0	0.0	-0.2	0.0	0.2	0.0
3(E-F)	5	D0	0.0	0.0	-0.8	0.0	-0.6	0.0	0.3	.5	0.0	0.0	0.8	0.0	-0.5	0.0
		DL	0.0	0.0	-1.0	0.0	-0.5	0.0	0.5	.45	0.0	0.0	1.2	0.0	-0.9	0.0
		LL	0.0	0.0	-0.7	0.0	-0.3	0.0	0.3	.45	0.0	0.0	0.8	0.0	-0.6	0.0
		EQX	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	-0.1	0.0
		EQY	0.0	0.0	-1.2	0.0	-2.6	0.0	2.7	1.0	0.0	0.0	-1.2	0.0	2.7	0.0
		WLX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLY	0.0	0.0	-0.1	0.0	-0.1	0.0	0.1	1.0	0.0	0.0	-0.1	0.0	0.1	0.0
3(F-G)	5	D0	0.0	0.3	-0.4	0.0	-0.1	0.9	0.2	.4	0.0	0.3	0.7	0.0	-0.4	0.0
		DL	-0.1	0.2	0.3	0.0	0.4	0.5	0.4	0.0	-0.1	0.2	0.3	0.0	-0.5	0.0
		LL	-0.1	0.1	0.2	0.0	0.2	0.3	0.2	0.0	-0.1	0.1	0.2	0.0	-0.3	0.0
		EQX	0.2	0.1	-0.1	0.0	-0.2	-0.1	0.2	1.0	0.2	0.1	-0.1	0.0	0.2	-0.3
		EQY	0.2	0.3	-2.1	0.0	-3.0	0.4	3.1	1.0	0.2	0.3	-2.1	0.0	3.1	-0.3
		WLX	-0.2	0.0	0.0	0.0	0.0	0.1	0.0	1.0	-0.2	0.0	0.0	0.0	0.0	0.0
		WLY	0.2	0.1	-0.1	0.0	-0.2	0.2	0.2	1.0	0.2	0.1	-0.1	0.0	0.2	0.0
4(B-C)	5	D0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	-0.5	0.0
		DL	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	-0.6	0.0
		LL	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	-0.5	0.0
		EQX	0.0	0.0	-0.9	0.0	0.1	0.0	1.4	1.0	0.0	0.0	-0.9	0.0	1.4	0.0
		EQY	0.0	0.0	-1.0	0.0	0.2	0.0	1.6	1.0	0.0	0.0	-1.0	0.0	1.6	0.0
		WLX	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.0	0.0	0.0	0.0	0.0	0.1	0.0
		WLY	0.0	0.0	-0.1	0.0	0.0	0.0	0.1	1.0	0.0	0.0	-0.1	0.0	0.1	0.0

Company: AC INGENIERIA Engineer: ALVARO CABALLERO
Project: CASA CORREGIDOR - SOGAMOSO BLOQUE NUEVO 4:20:15 p. m. 4/05/2022

Beam	Floor	Load	Axl	Shr2	Shr3	Torque	M2	M3	M2	X/L	Axl	Shr2	Shr3	Torque	M2	M3
4(C-D)	5	D0	0.0	0.0	-0.3	0.0	-0.1	0.0	0.1	.8	0.0	0.0	0.1	0.0	0.1	0.0
		DL	0.0	0.0	-0.5	0.0	-0.2	0.0	0.2	1.0	0.0	0.0	-0.1	0.0	0.2	0.0
		LL	0.0	0.0	-0.3	0.0	-0.1	0.0	0.2	1.0	0.0	0.0	-0.1	0.0	0.2	0.0
		EQX	0.0	0.0	1.9	0.0	1.4	0.0	1.4	0.0	0.0	0.0	1.9	0.0	-1.4	0.0
		EQY	0.0	0.0	-3.6	0.0	-2.6	0.0	2.8	1.0	0.0	0.0	-3.6	0.0	2.8	0.0
		WLX	0.0	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.0	-0.1	0.0
		WLY	0.0	0.0	-0.2	0.0	-0.2	0.0	0.2	1.0	0.0	0.0	-0.2	0.0	0.2	0.0
7(B-C)	5	D0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	-0.6	0.0
		DL	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0	-0.8	0.0
		LL	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	-0.5	0.0
		EQX	0.0	0.0	1.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	1.0	0.0	-1.6	0.0
		EQY	0.0	0.0	-0.8	0.0	0.1	0.0	1.3	1.0	0.0	0.0	-0.8	0.0	1.3	0.0
		WLX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0
		WLY	0.0	0.0	-0.1	0.0	0.0	0.0	0.1	1.0	0.0	0.0	-0.1	0.0	0.1	0.0
7(C-D)	5	D0	0.0	0.0	-0.3	0.0	-0.1	0.0	0.1	.9	0.0	0.0	0.0	0.0	0.1	0.0
		DL	0.0	0.0	-0.7	0.0	-0.3	0.0	0.3	1.0	0.0	0.0	-0.2	0.0	0.3	0.0
		LL	0.0	0.0	-0.3	0.0	-0.1	0.0	0.2	1.0	0.0	0.0	-0.1	0.0	0.2	0.0
		EQX	0.0	0.0	-0.9	0.0	-0.7	0.0	0.6	1.0	0.0	0.0	-0.9	0.0	0.6	0.0
		EQY	0.0	0.0	-3.3	0.0	-2.4	0.0	2.5	1.0	0.0	0.0	-3.3	0.0	2.5	0.0
		WLX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLY	0.0	0.0	-0.2	0.0	-0.1	0.0	0.2	1.0	0.0	0.0	-0.2	0.0	0.2	0.0
8(B-C)	5	D0	0.0	0.0	-1.1	0.0	-0.5	0.0	0.6	1.0	0.0	0.0	-0.5	0.0	0.6	0.0
		DL	0.0	0.0	-2.5	-0.1	-1.5	0.0	1.9	1.0	0.0	0.0	-2.0	-0.1	1.9	0.0
		LL	0.0	0.0	-1.1	0.0	-0.6	0.0	0.8	1.0	0.0	0.0	-0.8	0.0	0.8	0.0
		EQX	0.0	0.0	1.2	-0.1	1.2	0.0	1.2	0.0	0.0	0.0	1.2	-0.1	-0.7	0.0
		EQY	0.0	0.0	-2.4	0.0	-3.8	0.0	0.0	0.0	0.0	0.0	-2.4	0.0	-0.2	0.0
		WLX	0.0	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0
		WLY	0.0	0.0	-0.1	0.0	-0.2	0.0	0.0	1.0	0.0	0.0	-0.1	0.0	0.0	0.0
8(C-D)	5	D0	0.0	0.0	0.6	0.0	0.6	0.0	0.6	0.0	0.0	0.0	1.2	0.0	-0.8	0.0
		DL	0.0	0.0	2.1	0.1	1.9	0.0	1.9	0.0	0.0	0.0	2.5	0.1	-1.8	0.0
		LL	0.0	0.0	0.9	0.0	0.8	0.0	0.8	0.0	0.0	0.0	1.2	0.0	-0.9	0.0
		EQX	0.0	0.0	-0.2	0.1	-0.8	0.0	0.0	0.0	0.0	0.0	-0.2	0.1	-0.4	0.0
		EQY	0.0	0.0	-1.8	0.0	0.4	0.0	3.3	1.0	0.0	0.0	-1.8	0.0	3.3	0.0
		WLX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLY	0.0	0.0	-0.1	0.0	0.0	0.0	0.2	1.0	0.0	0.0	-0.1	0.0	0.2	0.0
8(D-E)	5	D0	0.0	0.0	-0.6	0.0	-0.4	0.0	0.1	.6	0.0	0.0	0.4	0.0	-0.1	0.0
		DL	0.0	0.0	-0.9	0.0	-0.9	0.0	0.3	.95	0.0	0.0	0.0	0.0	0.3	0.0
		LL	0.0	0.0	-0.7	0.0	-0.6	0.0	0.3	1.0	0.0	0.0	0.0	0.0	0.3	0.0
		EQX	0.0	0.0	-0.6	0.0	-0.8	0.0	0.8	1.0	0.0	0.0	-0.6	0.0	0.8	0.0
		EQY	0.0	0.0	-3.0	0.0	-3.9	0.0	4.0	1.0	0.0	0.0	-3.0	0.0	4.0	0.0
		WLX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLY	0.0	0.0	-0.2	0.0	-0.2	0.0	0.2	1.0	0.0	0.0	-0.2	0.0	0.2	0.0
8(E-F)	5	D0	0.0	0.0	-0.8	0.0	-0.6	0.0	0.3	.5	0.0	0.0	0.8	0.0	-0.5	0.0
		DL	0.0	0.0	-1.0	0.0	-0.4	0.0	0.5	.45	0.0	0.0	1.3	0.0	-1.0	0.0
		LL	0.0	0.0	-0.7	0.0	-0.3	0.0	0.3	.45	0.0	0.0	0.9	0.0	-0.7	0.0
		EQX	0.0	0.0	0.1	0.0	0.3	0.0	0.3	0.0	0.0	0.0	0.1	0.0	-0.2	0.0
		EQY	0.0	0.0	-1.4	0.0	-3.0	0.0	3.0	1.0	0.0	0.0	-1.4	0.0	3.0	0.0
		WLX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLY	0.0	0.0	-0.1	0.0	-0.2	0.0	0.2	1.0	0.0	0.0	-0.1	0.0	0.2	0.0
8(F-G)	5	D0	-0.1	-0.3	-0.5	0.0	-0.1	-0.8	0.2	.4	-0.1	-0.3	0.7	0.0	-0.5	0.0
		DL	-0.2	-0.1	0.3	0.0	0.4	-0.4	0.4	0.0	-0.2	-0.1	0.3	0.0	-0.5	0.0
		LL	-0.1	-0.1	0.1	0.0	0.2	-0.3	0.2	0.0	-0.1	-0.1	0.1	0.0	-0.3	0.0
		EQX	0.3	0.1	0.3	0.0	0.5	-0.1	0.5	0.0	0.3	0.1	0.3	0.0	-0.5	-0.3
		EQY	-0.9	0.2	-2.1	0.0	-3.3	0.5	3.5	1.0	-0.9	0.2	-2.1	0.0	3.5	-0.3
		WLX	-0.2	0.0	0.0	0.0	0.0	0.1	0.0	0.0	-0.2	0.0	0.0	0.0	0.0	0.0
		WLY	0.1	0.0	-0.1	0.0	-0.2	-0.1	0.2	1.0	0.1	0.0	-0.1	0.0	0.2	0.0
9(B-C)	5	D0	0.0	0.0	-1.0	0.0	-0.6	0.0	0.5	1.0	0.0	0.0	-0.4	0.0	0.5	0.0
		DL	0.0	0.0	-1.4	0.2	-1.0	0.0	1.0	1.0	0.0	0.0	-1.2	0.2	1.0	0.0
		LL	0.0	0.0	-0.5	0.1	-0.4	0.0	0.3	1.0	0.0	0.0	-0.4	0.1	0.3	0.0
		EQX	0.0	0.0	0.6	-0.1	1.2	0.0	1.2	0.0	0.0	0.0	0.6	-0.1	0.2	0.0
		EQY	0.0	0.0	-2.9	0.0	-5.2	0.0	0.0	0.0	0.0	0.0	-2.9	0.0	-0.8	0.0
		WLX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLY	0.0	0.0	-0.1	0.0	-0.2	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0

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Beam	Floor	Load	Axl	Shr2	Shr3	Torque	M2	M3	M2	X/L	Axl	Shr2	Shr3	Torque	M2	M3
9(C-D)	5	D0	0.0	0.0	0.3	0.0	0.5	0.0	0.5	0.0	0.0	0.0	1.0	0.0	-0.6	0.0
		DL	0.0	0.0	1.0	-0.1	1.0	0.0	1.0	0.0	0.0	0.0	1.2	-0.1	-0.8	0.0
		LL	0.0	0.0	0.3	-0.1	0.3	0.0	0.3	0.0	0.0	0.0	0.4	-0.1	-0.3	0.0
		EQX	0.0	0.0	0.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.1	-0.9	0.0
		EQY	0.0	0.0	-2.9	0.0	0.0	0.0	4.8	1.0	0.0	0.0	-2.9	0.0	4.8	0.0
		WLX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLY	0.0	0.0	-0.1	0.0	0.0	0.0	0.2	1.0	0.0	0.0	-0.1	0.0	0.2	0.0
9(D-E)	5	D0	0.0	0.0	-0.5	0.0	-0.2	0.0	0.1	.45	0.0	0.0	0.5	0.0	-0.3	0.0
		DL	0.0	0.0	-0.3	0.0	-0.2	0.0	0.0	.6	0.0	0.0	0.2	0.0	-0.1	0.0
		LL	0.0	0.0	-0.1	0.0	-0.1	0.0	0.0	.55	0.0	0.0	0.1	0.0	0.0	0.0
		EQX	0.0	0.0	0.6	0.0	0.8	0.0	0.8	0.0	0.0	0.0	0.6	0.0	-0.9	0.0
		EQY	0.0	0.0	-3.6	0.0	-4.8	0.0	4.9	1.0	0.0	0.0	-3.6	0.0	4.9	0.0
		WLX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLY	0.0	0.0	-0.2	0.0	-0.2	0.0	0.2	1.0	0.0	0.0	-0.2	0.0	0.2	0.0
9(E-F)	5	D0	0.0	0.0	-0.8	0.0	-0.5	0.0	0.3	.5	0.0	0.0	0.8	0.0	-0.6	0.0
		DL	0.0	0.0	-0.5	0.0	-0.2	0.0	0.2	.45	0.0	0.0	0.6	0.0	-0.5	0.0
		LL	0.0	0.0	-0.2	0.0	-0.1	0.0	0.1	.45	0.0	0.0	0.2	0.0	-0.2	0.0
		EQX	0.0	0.0	0.3	0.0	0.7	0.0	0.7	0.0	0.0	0.0	0.3	0.0	-0.7	0.0
		EQY	0.0	0.0	-1.9	0.0	-3.9	0.0	4.1	1.0	0.0	0.0	-1.9	0.0	4.1	0.0
		WLX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLY	0.0	0.0	-0.1	0.0	-0.2	0.0	0.2	1.0	0.0	0.0	-0.1	0.0	0.2	0.0
1(A-B)	6	D0	0.0	0.0	-0.5	0.0	-0.2	0.0	0.1	.5	0.0	0.0	0.5	0.0	-0.2	0.0
		DL	0.0	0.0	-0.2	0.0	-0.3	0.0	0.1	1.0	0.0	0.0	-0.1	0.0	0.1	0.0
		LL	0.0	0.0	-0.1	0.0	-0.2	0.0	0.1	1.0	0.0	0.0	-0.1	0.0	0.1	0.0
		EQX	0.0	0.0	-0.4	0.0	-0.7	0.0	0.5	1.0	0.0	0.0	-0.4	0.0	0.5	0.0
		EQY	0.0	0.0	-1.5	0.0	-2.1	0.0	1.9	1.0	0.0	0.0	-1.5	0.0	1.9	0.0
		WLX	0.0	0.0	0.0	0.0	-0.1	0.0	0.1	1.0	0.0	0.0	0.0	0.0	0.1	0.0
		WLY	0.0	0.0	-0.1	0.0	-0.1	0.0	0.1	1.0	0.0	0.0	-0.1	0.0	0.1	0.0
1(B-C)	6	D0	0.0	0.0	-0.8	0.0	-0.4	0.0	0.3	1.0	0.0	0.0	-0.2	0.0	0.3	0.0
		DL	0.0	0.0	-0.1	0.0	0.1	0.0	0.1	1.0	0.0	0.0	0.0	0.0	0.1	0.0
		LL	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0
		EQX	0.0	0.0	-0.7	-0.1	-0.9	0.0	0.2	1.0	0.0	0.0	-0.7	-0.1	0.2	0.0
		EQY	0.0	0.0	-1.1	0.0	-1.8	0.0	0.0	0.0	0.0	0.0	-1.1	0.0	-0.1	0.0
		WLX	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLY	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1(C-D)	6	D0	0.0	0.0	0.2	0.0	0.3	0.0	0.3	0.0	0.0	0.0	0.8	0.0	-0.5	0.0
		DL	0.0	0.0	0.2	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.3	0.0	-0.3	0.0
		LL	0.0	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.2	0.0	-0.2	0.0
		EQX	0.0	0.0	-0.3	0.1	0.3	0.0	0.7	1.0	0.0	0.0	-0.3	0.1	0.7	0.0
		EQY	0.0	0.0	-0.9	0.0	0.2	0.0	1.7	1.0	0.0	0.0	-0.9	0.0	1.7	0.0
		WLX	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.0	0.0	0.0	0.0	0.0	0.1	0.0
		WLY	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.0	0.0	0.0	0.0	0.0	0.1	0.0
1(D-E)	6	D0	0.0	0.0	-0.5	0.0	-0.3	0.0	0.1	.5	0.0	0.0	0.5	0.0	-0.3	0.0
		DL	0.0	0.0	-0.2	0.0	-0.2	0.0	0.2	1.0	0.0	0.0	-0.1	0.0	0.2	0.0
		LL	0.0	0.0	-0.1	0.0	-0.1	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
		EQX	0.0	0.0	0.3	0.0	0.4	0.0	0.4	0.0	0.0	0.0	0.3	0.0	-0.4	0.0
		EQY	0.0	0.0	-1.6	0.0	-2.1	0.0	2.1	1.0	0.0	0.0	-1.6	0.0	2.1	0.0
		WLX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLY	0.0	0.0	-0.1	0.0	-0.1	0.0	0.1	1.0	0.0	0.0	-0.1	0.0	0.1	0.0
1(E-F)	6	D0	0.0	0.0	-0.8	0.0	-0.5	0.0	0.4	.5	0.0	0.0	0.8	0.0	-0.5	0.0
		DL	0.0	0.0	0.0	0.0	0.1	0.0	0.1	.1	0.0	0.0	0.2	0.0	-0.2	0.0
		LL	0.0	0.0	0.0	0.0	0.1	0.0	0.1	.1	0.0	0.0	0.1	0.0	-0.1	0.0
		EQX	0.0	0.0	-0.3	0.0	-0.5	0.0	0.6	1.0	0.0	0.0	-0.3	0.0	0.6	0.0
		EQY	0.0	0.0	-0.9	0.0	-1.8	0.0	2.0	1.0	0.0	0.0	-0.9	0.0	2.0	0.0
		WLX	0.0	0.0	0.0	0.0	-0.1	0.0	0.1	1.0	0.0	0.0	0.0	0.0	0.1	0.0
		WLY	0.0	0.0	0.0	0.0	-0.1	0.0	0.1	1.0	0.0	0.0	0.0	0.0	0.1	0.0
3(A-B)	6	D0	0.0	0.0	-0.6	0.0	-0.2	0.0	0.2	.6	0.0	0.0	0.4	0.0	0.0	0.0
		DL	0.0	0.0	-0.3	0.0	-0.3	0.0	0.3	1.0	0.0	0.0	-0.1	0.0	0.3	0.0
		LL	0.0	0.0	-0.2	0.0	-0.2	0.0	0.2	1.0	0.0	0.0	-0.1	0.0	0.2	0.0
		EQX	0.0	0.0	0.1	0.0	0.2	0.0	0.2	0.0	0.0	0.0	0.1	0.0	-0.1	0.0
		EQY	0.0	0.0	-1.5	0.0	-2.2	0.0	1.9	1.0	0.0	0.0	-1.5	0.0	1.9	0.0
		WLX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLY	0.0	0.0	-0.1	0.0	-0.1	0.0	0.1	1.0	0.0	0.0	-0.1	0.0	0.1	0.0

Company: AC INGENIERIA Engineer: ALVARO CABALLERO
Project: CASA CORREGIDOR - SOGAMOSO BLOQUE NUEVO 4:20:16 p. m. 4/05/2022

Beam	Floor	Load	Axl	Shr2	Shr3	Torque	M2	M3	M2	X/L	Axl	Shr2	Shr3	Torque	M2	M3
3(B-C)	6	D0	0.0	0.0	-0.1	0.0	0.1	0.0	0.1	.1	0.0	0.0	0.6	0.0	-0.3	0.0
		DL	0.0	0.0	0.3	0.0	0.4	0.0	0.4	0.0	0.0	0.0	0.4	0.0	-0.3	0.0
		LL	0.0	0.0	0.3	0.0	0.3	0.0	0.3	0.0	0.0	0.0	0.3	0.0	-0.2	0.0
		EQX	0.0	0.0	1.0	0.0	1.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	-0.7	0.0
		EQY	0.0	0.0	-3.5	0.0	-2.7	0.0	3.3	1.0	0.0	0.0	-3.5	0.0	3.3	0.0
		WLX	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.0	0.0	0.0	0.0	0.0	0.1	0.0
		WLY	0.0	0.0	-0.2	0.0	-0.1	0.0	0.2	1.0	0.0	0.0	-0.2	0.0	0.2	0.0
3(C-D)	6	D0	0.0	0.0	-0.4	0.0	-0.2	0.0	0.0	0.0	0.0	0.0	0.3	0.0	-0.2	0.0
		DL	0.0	0.0	-0.2	0.0	-0.2	0.0	0.0	0.0	0.0	0.0	0.3	0.0	-0.3	0.0
		LL	0.0	0.0	-0.1	0.0	-0.2	0.0	0.0	0.0	0.0	0.0	0.1	0.0	-0.2	0.0
		EQX	0.0	0.0	0.2	0.0	-0.6	0.0	0.0	0.0	0.0	0.0	0.2	0.0	-0.9	0.0
		EQY	0.0	0.0	2.8	0.0	2.9	0.0	2.9	0.0	0.0	0.0	2.8	0.0	-2.1	0.0
		WLX	0.0	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.0	-0.1	0.0
		WLY	0.0	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.0	-0.1	0.0
3(D-E)	6	D0	0.0	0.0	-0.8	0.0	-0.6	0.0	0.2	.75	0.0	0.0	0.3	0.0	0.1	0.0
		DL	0.0	0.0	-0.8	0.0	-1.0	0.0	0.8	1.0	0.0	0.0	-0.5	0.0	0.8	0.0
		LL	0.0	0.0	-0.5	0.0	-0.6	0.0	0.6	1.0	0.0	0.0	-0.4	0.0	0.6	0.0
		EQX	0.0	0.0	-0.7	0.0	-1.0	0.0	0.8	1.0	0.0	0.0	-0.7	0.0	0.8	0.0
		EQY	0.0	0.0	-2.3	0.0	-3.5	0.0	2.8	1.0	0.0	0.0	-2.3	0.0	2.8	0.0
		WLX	0.0	0.0	-0.1	0.0	-0.1	0.0	0.1	1.0	0.0	0.0	-0.1	0.0	0.1	0.0
		WLY	0.0	0.0	-0.1	0.0	-0.2	0.0	0.1	1.0	0.0	0.0	-0.1	0.0	0.1	0.0
3(E-F)	6	D0	0.0	0.0	-0.8	0.0	-0.5	0.0	0.4	.5	0.0	0.0	0.8	0.0	-0.5	0.0
		DL	0.0	0.0	-0.1	0.0	0.2	0.0	0.2	.25	0.0	0.0	0.3	0.0	-0.3	0.0
		LL	0.0	0.0	0.0	0.0	0.1	0.0	0.1	.15	0.0	0.0	0.2	0.0	-0.2	0.0
		EQX	0.0	0.0	0.1	0.0	0.2	0.0	0.2	0.0	0.0	0.0	0.1	0.0	-0.1	0.0
		EQY	0.0	0.0	-0.7	0.0	-1.5	0.0	1.7	1.0	0.0	0.0	-0.7	0.0	1.7	0.0
		WLX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLY	0.0	0.0	0.0	0.0	-0.1	0.0	0.1	1.0	0.0	0.0	0.0	0.0	0.1	0.0
3(F-G)	6	D0	0.0	0.0	-0.5	0.0	-0.2	0.0	0.1	.45	0.0	0.0	0.6	0.0	-0.3	0.0
		DL	0.0	0.0	0.2	0.0	0.4	0.0	0.4	0.0	0.0	0.0	0.3	0.0	-0.4	0.0
		LL	0.0	0.0	0.1	0.0	0.2	0.0	0.2	0.0	0.0	0.0	0.2	0.0	-0.2	0.0
		EQX	0.0	0.0	-0.1	0.0	-0.2	0.0	0.2	1.0	0.0	0.0	-0.1	0.0	0.2	0.0
		EQY	0.0	0.0	-1.1	0.0	-1.5	0.0	1.7	1.0	0.0	0.0	-1.1	0.0	1.7	0.0
		WLX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLY	0.0	0.0	-0.1	0.0	-0.1	0.0	0.1	1.0	0.0	0.0	-0.1	0.0	0.1	0.0
4(A-B)	6	D0	0.0	0.0	-0.5	0.0	0.0	0.0	0.4	.55	0.0	0.0	0.4	0.0	0.1	0.0
		DL	0.0	0.0	-0.2	0.0	0.0	0.0	0.2	.9	0.0	0.0	0.0	0.0	0.2	0.0
		LL	0.0	0.0	-0.1	0.0	0.0	0.0	0.2	1.0	0.0	0.0	0.0	0.0	0.2	0.0
		EQX	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	-0.2	0.0
		EQY	0.0	0.0	-0.1	0.0	-0.1	0.0	0.3	1.0	0.0	0.0	-0.1	0.0	0.3	0.0
		WLX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
4(B-C)	6	D0	0.0	0.0	0.4	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.9	0.0	-0.9	0.0
		DL	0.0	0.0	0.8	0.0	0.3	0.0	0.3	0.0	0.0	0.0	0.9	0.0	-1.1	0.0
		LL	0.0	0.0	0.8	0.0	0.2	0.0	0.2	0.0	0.0	0.0	0.8	0.0	-1.0	0.0
		EQX	0.0	0.0	-0.7	0.0	-0.3	0.0	0.9	1.0	0.0	0.0	-0.7	0.0	0.9	0.0
		EQY	0.0	0.0	-0.7	0.0	0.3	0.0	1.4	1.0	0.0	0.0	-0.7	0.0	1.4	0.0
		WLX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLY	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.0	0.0	0.0	0.0	0.0	0.1	0.0
4(C-D)	6	D0	0.0	0.0	-0.2	0.0	-0.3	0.0	0.0	0.0	0.0	0.0	0.2	0.0	-0.3	0.0
		DL	0.0	0.0	0.0	0.0	-0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.4	0.0
		LL	0.0	0.0	0.0	0.0	-0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.4	0.0
		EQX	0.0	0.0	1.5	0.0	1.2	0.0	1.2	0.0	0.0	0.0	1.5	0.0	-1.0	0.0
		EQY	0.0	0.0	-1.0	0.0	-0.8	0.0	0.7	1.0	0.0	0.0	-1.0	0.0	0.7	0.0
		WLX	0.0	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.0	-0.1	0.0
		WLY	0.0	0.0	-0.1	0.0	-0.1	0.0	0.1	1.0	0.0	0.0	-0.1	0.0	0.1	0.0
4(D-E)	6	D0	0.0	0.0	-0.8	0.0	-1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		DL	0.0	0.0	-0.8	0.0	-1.7	0.0	0.2	1.0	0.0	0.0	-0.6	0.0	0.2	0.0
		LL	0.0	0.0	-0.7	-0.1	-1.6	0.0	0.2	1.0	0.0	0.0	-0.6	-0.1	0.2	0.0
		EQX	0.0	0.0	0.3	0.0	0.5	0.0	0.5	0.0	0.0	0.0	0.3	0.0	-0.2	0.0
		EQY	0.0	0.0	-0.5	0.0	-1.2	0.0	0.0	1.0	0.0	0.0	-0.5	0.0	0.0	0.0
		WLX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLY	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0

Company: AC INGENIERIA Engineer: ALVARO CABALLERO
Project: CASA CORREGIDOR - SOGAMOSO BLOQUE NUEVO 4:20:16 p. m. 4/05/2022

Beam	Floor	Load	Axl	Shr2	Shr3	Torque	M2	M3	M2	X/L	Axl	Shr2	Shr3	Torque	M2	M3
4(E-E')	6	D0	0.0	0.0	-0.7	0.0	-0.1	0.0	0.7	1.0	0.0	0.0	0.0	0.0	0.7	0.0
		DL	0.0	0.0	-0.6	-0.1	0.2	0.0	1.4	1.0	0.0	0.0	-0.5	-0.1	1.4	0.0
		LL	0.0	0.0	-0.6	-0.1	0.1	0.0	1.5	1.0	0.0	0.0	-0.6	-0.1	1.5	0.0
		EQX	0.0	0.0	0.0	0.0	-0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0
		EQY	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.0	0.0	0.0	0.0	0.0	0.1	0.0
		WLX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4(E'-F)	6	D0	0.0	0.0	0.2	0.0	0.7	0.0	0.7	0.0	0.0	0.0	0.9	0.0	-0.6	0.0
		DL	0.0	0.0	0.6	0.1	1.4	0.0	1.4	0.0	0.0	0.0	0.8	0.1	-0.3	0.0
		LL	0.0	0.0	0.7	0.1	1.5	0.0	1.5	0.0	0.0	0.0	0.8	0.1	-0.3	0.0
		EQX	0.0	0.0	-0.1	0.0	-0.1	0.0	0.1	1.0	0.0	0.0	-0.1	0.0	0.1	0.0
		EQY	0.0	0.0	0.0	0.0	0.1	0.0	0.2	1.0	0.0	0.0	0.0	0.0	0.2	0.0
		WLX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4(F-H)	6	D0	0.0	0.0	-0.7	0.0	-0.6	0.0	0.2	1.0	0.0	0.0	-0.3	0.0	0.2	0.0
		DL	0.0	0.0	-0.5	0.0	-0.2	0.0	0.4	1.0	0.0	0.0	-0.4	0.0	0.4	0.0
		LL	0.0	0.0	-0.4	0.0	-0.2	0.0	0.5	1.0	0.0	0.0	-0.4	0.0	0.5	0.0
		EQX	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		EQY	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0
		WLX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4(H-G)	6	D0	0.0	0.0	-0.1	0.0	0.2	0.0	0.3	.2	0.0	0.0	0.4	0.0	0.0	0.0
		DL	0.0	0.0	0.3	0.1	0.4	0.0	0.4	0.0	0.0	0.0	0.3	0.1	-0.1	0.0
		LL	0.0	0.0	0.3	0.1	0.5	0.0	0.5	0.0	0.0	0.0	0.3	0.1	-0.1	0.0
		EQX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		EQY	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
7(A-B)	6	D0	0.0	0.0	-0.4	0.0	0.1	0.0	0.4	.55	0.0	0.0	0.4	0.0	0.2	0.0
		DL	0.0	0.0	-0.2	0.0	0.1	0.0	0.3	1.0	0.0	0.0	0.0	0.0	0.3	0.0
		LL	0.0	0.0	-0.1	0.0	0.0	0.0	0.3	1.0	0.0	0.0	0.0	0.0	0.3	0.0
		EQX	0.0	0.0	-0.1	0.0	0.0	0.0	0.2	1.0	0.0	0.0	-0.1	0.0	0.2	0.0
		EQY	0.0	0.0	-0.1	0.0	0.0	0.0	0.1	1.0	0.0	0.0	-0.1	0.0	0.1	0.0
		WLX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
7(B-C)	6	D0	0.0	0.0	0.5	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.9	0.0	-0.9	0.0
		DL	0.0	0.0	0.9	0.0	0.2	0.0	0.2	0.0	0.0	0.0	1.0	0.0	-1.2	0.0
		LL	0.0	0.0	0.8	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.9	0.0	-1.0	0.0
		EQX	0.0	0.0	0.7	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.7	0.0	-1.0	0.0
		EQY	0.0	0.0	-0.6	0.0	0.2	0.0	1.0	1.0	0.0	0.0	-0.6	0.0	1.0	0.0
		WLX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLY	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.0	0.0	0.0	0.0	0.0	0.1	0.0
7(C-D)	6	D0	0.0	0.0	-0.3	0.0	-0.4	0.0	0.0	0.0	0.0	0.0	0.2	0.0	-0.3	0.0
		DL	0.0	0.0	-0.2	0.0	-0.5	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	-0.3	0.0
		LL	0.0	0.0	0.0	0.0	-0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.4	0.0
		EQX	0.0	0.0	-1.0	0.0	-0.9	0.0	0.6	1.0	0.0	0.0	-1.0	0.0	0.6	0.0
		EQY	0.0	0.0	-0.5	0.0	-0.4	0.0	0.4	1.0	0.0	0.0	-0.5	0.0	0.4	0.0
		WLX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
7(D-E)	6	D0	0.0	0.0	-0.8	0.0	-1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		DL	0.0	0.0	-0.8	0.1	-1.7	0.0	0.2	1.0	0.0	0.0	-0.6	0.1	0.2	0.0
		LL	0.0	0.0	-0.7	0.1	-1.6	0.0	0.1	1.0	0.0	0.0	-0.6	0.1	0.1	0.0
		EQX	0.0	0.0	-0.3	0.0	-0.5	0.0	0.2	1.0	0.0	0.0	-0.3	0.0	0.2	0.0
		EQY	0.0	0.0	-0.3	0.0	-0.8	0.0	0.0	0.0	0.0	0.0	-0.3	0.0	-0.1	0.0
		WLX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7(E-E')	6	D0	0.0	0.0	-0.6	0.0	0.0	0.0	0.6	.95	0.0	0.0	0.0	0.0	0.6	0.0
		DL	0.0	0.0	-0.6	0.1	0.3	0.0	1.4	1.0	0.0	0.0	-0.5	0.1	1.4	0.0
		LL	0.0	0.0	-0.6	0.1	0.3	0.0	1.5	1.0	0.0	0.0	-0.5	0.1	1.5	0.0
		EQX	0.0	0.0	0.0	0.0	0.2	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.1	0.0
		EQY	0.0	0.0	-0.1	0.0	0.0	0.0	0.1	1.0	0.0	0.0	-0.1	0.0	0.1	0.0
		WLX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Company: AC INGENIERIA Engineer: ALVARO CABALLERO
Project: CASA CORREGIDOR - SOGAMOSO BLOQUE NUEVO 4:20:16 p. m. 4/05/2022

Beam	Floor	Load	Axl	Shr2	Shr3	Torque	M2	M3	M2	X/L	Axl	Shr2	Shr3	Torque	M2	M3
7(E'-F)	6	D0	0.0	0.0	0.2	0.0	0.6	0.0	0.6	0.0	0.0	0.0	0.8	0.0	-0.5	0.0
		DL	0.0	0.0	0.7	-0.1	1.4	0.0	1.4	0.0	0.0	0.0	0.8	-0.1	-0.2	0.0
		LL	0.0	0.0	0.7	-0.1	1.5	0.0	1.5	0.0	0.0	0.0	0.8	-0.1	-0.2	0.0
		EQX	0.0	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0
		EQY	0.0	0.0	-0.1	0.0	0.1	0.0	0.3	1.0	0.0	0.0	-0.1	0.0	0.3	0.0
		WLX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7(F-H)	6	D0	0.0	0.0	-0.7	0.0	-0.5	0.0	0.2	1.0	0.0	0.0	-0.3	0.0	0.2	0.0
		DL	0.0	0.0	-0.5	0.0	-0.2	0.0	0.4	1.0	0.0	0.0	-0.4	0.0	0.4	0.0
		LL	0.0	0.0	-0.5	0.0	-0.2	0.0	0.5	1.0	0.0	0.0	-0.4	0.0	0.5	0.0
		EQX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		EQY	0.0	0.0	0.1	0.0	0.2	0.0	0.2	0.0	0.0	0.0	0.1	0.0	0.1	0.0
		WLX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7(H-G)	6	D0	0.0	0.0	-0.1	0.0	0.2	0.0	0.3	.3	0.0	0.0	0.3	0.0	0.1	0.0
		DL	0.0	0.0	0.2	-0.1	0.4	0.0	0.4	0.0	0.0	0.0	0.3	-0.1	0.0	0.0
		LL	0.0	0.0	0.3	-0.1	0.5	0.0	0.5	0.0	0.0	0.0	0.3	-0.1	0.0	0.0
		EQX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
		EQY	0.0	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0
		WLX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
8(A-B)	6	D0	0.0	0.0	-0.6	0.0	-0.3	0.0	0.1	.55	0.0	0.0	0.5	0.0	-0.2	0.0
		DL	0.0	0.0	-0.4	0.0	-0.4	0.0	0.3	1.0	0.0	0.0	-0.1	0.0	0.3	0.0
		LL	0.0	0.0	-0.2	0.0	-0.2	0.0	0.2	1.0	0.0	0.0	-0.1	0.0	0.2	0.0
		EQX	0.0	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.0	-0.1	0.0
		EQY	0.0	0.0	-1.2	0.0	-1.7	0.0	1.5	1.0	0.0	0.0	-1.2	0.0	1.5	0.0
		WLX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLY	0.0	0.0	-0.1	0.0	-0.1	0.0	0.1	1.0	0.0	0.0	-0.1	0.0	0.1	0.0
8(B-C)	6	D0	0.0	0.0	-1.2	0.0	-0.6	0.0	0.7	1.0	0.0	0.0	-0.6	0.0	0.7	0.0
		DL	0.0	0.0	-0.5	0.0	-0.3	0.0	0.4	1.0	0.0	0.0	-0.4	0.0	0.4	0.0
		LL	0.0	0.0	-0.2	0.0	-0.1	0.0	0.2	1.0	0.0	0.0	-0.1	0.0	0.2	0.0
		EQX	0.0	0.0	0.7	-0.1	0.8	0.0	0.8	0.0	0.0	0.0	0.7	-0.1	-0.3	0.0
		EQY	0.0	0.0	-1.0	0.0	-1.4	0.0	0.1	1.0	0.0	0.0	-1.0	0.0	0.1	0.0
		WLX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLY	0.0	0.0	-0.1	0.0	-0.1	0.0	0.0	1.0	0.0	0.0	-0.1	0.0	0.0	0.0
8(C-D)	6	D0	0.0	0.0	0.6	0.0	0.7	0.0	0.7	0.0	0.0	0.0	1.2	0.0	-0.8	0.0
		DL	0.0	0.0	0.5	0.0	0.3	0.0	0.3	0.0	0.0	0.0	0.6	0.0	-0.5	0.0
		LL	0.0	0.0	0.3	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.3	0.0	-0.3	0.0
		EQX	0.0	0.0	0.0	0.1	-0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.1	-0.4	0.0
		EQY	0.0	0.0	-0.6	0.0	0.3	0.0	1.2	1.0	0.0	0.0	-0.6	0.0	1.2	0.0
		WLX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLY	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.0	0.0	0.0	0.0	0.0	0.1	0.0
8(D-E)	6	D0	0.0	0.0	-0.6	0.0	-0.5	0.0	0.0	.65	0.0	0.0	0.4	0.0	-0.1	0.0
		DL	0.0	0.0	-0.4	0.0	-0.4	0.0	0.3	1.0	0.0	0.0	-0.2	0.0	0.3	0.0
		LL	0.0	0.0	-0.3	0.0	-0.4	0.0	0.3	1.0	0.0	0.0	-0.2	0.0	0.3	0.0
		EQX	0.0	0.0	-0.6	0.0	-0.8	0.0	0.8	1.0	0.0	0.0	-0.6	0.0	0.8	0.0
		EQY	0.0	0.0	-1.2	0.0	-1.6	0.0	1.6	1.0	0.0	0.0	-1.2	0.0	1.6	0.0
		WLX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLY	0.0	0.0	-0.1	0.0	-0.1	0.0	0.1	1.0	0.0	0.0	-0.1	0.0	0.1	0.0
8(E-F)	6	D0	0.0	0.0	-0.8	0.0	-0.5	0.0	0.3	.5	0.0	0.0	0.8	0.0	-0.5	0.0
		DL	0.0	0.0	-0.2	0.0	0.1	0.0	0.2	.3	0.0	0.0	0.4	0.0	-0.4	0.0
		LL	0.0	0.0	0.0	0.0	0.1	0.0	0.1	.2	0.0	0.0	0.2	0.0	-0.2	0.0
		EQX	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		EQY	0.0	0.0	-0.7	0.0	-1.5	0.0	1.5	1.0	0.0	0.0	-0.7	0.0	1.5	0.0
		WLX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLY	0.0	0.0	0.0	0.0	-0.1	0.0	0.1	1.0	0.0	0.0	0.0	0.0	0.1	0.0
8(F-G)	6	D0	0.0	0.0	-0.6	0.0	-0.3	0.0	0.2	.5	0.0	0.0	0.6	0.0	-0.3	0.0
		DL	0.0	0.0	0.2	0.0	0.3	0.0	0.3	0.0	0.0	0.0	0.3	0.0	-0.4	0.0
		LL	0.0	0.0	0.1	0.0	0.2	0.0	0.2	0.0	0.0	0.0	0.1	0.0	-0.2	0.0
		EQX	0.0	0.0	0.1	0.0	0.2	0.0	0.2	0.0	0.0	0.0	0.1	0.0	-0.2	0.0
		EQY	0.0	0.0	-0.8	0.0	-1.3	0.0	1.4	1.0	0.0	0.0	-0.8	0.0	1.4	0.0
		WLX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLY	0.0	0.0	0.0	0.0	-0.1	0.0	0.1	1.0	0.0	0.0	0.0	0.0	0.1	0.0

Beam	Floor	Load	Axl	Shr2	Shr3	Torque	M2	M3	M2	X/L	Axl	Shr2	Shr3	Torque	M2	M3
9(A-B)	6	D0	0.0	0.0	-0.5	0.0	-0.2	0.0	0.1	.45	0.0	0.0	0.6	0.0	-0.3	0.0
		DL	0.0	0.0	-0.2	0.0	-0.2	0.0	0.1	1.0	0.0	0.0	-0.1	0.0	0.1	0.0
		LL	0.0	0.0	-0.1	0.0	-0.2	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
		EQX	0.0	0.0	0.3	0.0	0.5	0.0	0.5	0.0	0.0	0.0	0.3	0.0	-0.3	0.0
		EQY	0.0	0.0	-1.5	0.0	-2.3	0.0	1.8	1.0	0.0	0.0	-1.5	0.0	1.8	0.0
		WLX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLY	0.0	0.0	0.0	0.0	-0.1	0.0	0.1	1.0	0.0	0.0	0.0	0.0	0.1	0.0
9(B-C)	6	D0	0.0	0.0	-1.0	0.0	-0.5	0.0	0.5	1.0	0.0	0.0	-0.4	0.0	0.5	0.0
		DL	0.0	0.0	-0.2	0.0	-0.1	0.0	0.3	1.0	0.0	0.0	-0.2	0.0	0.3	0.0
		LL	0.0	0.0	0.0	0.0	0.1	0.0	0.1	1.0	0.0	0.0	0.0	0.0	0.1	0.0
		EQX	0.0	0.0	0.2	-0.1	0.3	0.0	0.3	0.0	0.0	0.0	0.2	-0.1	0.0	0.0
		EQY	0.0	0.0	-1.1	0.0	-1.9	0.0	0.0	0.0	0.0	0.0	-1.1	0.0	-0.2	0.0
		WLX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLY	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9(C-D)	6	D0	0.0	0.0	0.4	0.0	0.5	0.0	0.5	0.0	0.0	0.0	1.0	0.0	-0.6	0.0
		DL	0.0	0.0	0.3	0.0	0.2	0.0	0.2	0.0	0.0	0.0	0.3	0.0	-0.3	0.0
		LL	0.0	0.0	0.2	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.2	0.0	-0.2	0.0
		EQX	0.0	0.0	0.1	0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1	-0.3	0.0
		EQY	0.0	0.0	-1.2	0.0	0.2	0.0	2.1	1.0	0.0	0.0	-1.2	0.0	2.1	0.0
		WLX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLY	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.0	0.0	0.0	0.0	0.0	0.1	0.0
9(D-E)	6	D0	0.0	0.0	-0.4	0.0	-0.2	0.0	0.1	.45	0.0	0.0	0.6	0.0	-0.4	0.0
		DL	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.0	-0.1	0.0
		LL	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.0	-0.1	0.0
		EQX	0.0	0.0	0.3	0.0	0.4	0.0	0.4	0.0	0.0	0.0	0.3	0.0	-0.4	0.0
		EQY	0.0	0.0	-1.4	0.0	-1.9	0.0	1.9	1.0	0.0	0.0	-1.4	0.0	1.9	0.0
		WLX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLY	0.0	0.0	0.0	0.0	-0.1	0.0	0.1	1.0	0.0	0.0	0.0	0.0	0.1	0.0
9(E-F)	6	D0	0.0	0.0	-0.8	0.0	-0.5	0.0	0.3	.5	0.0	0.0	0.8	0.0	-0.6	0.0
		DL	0.0	0.0	-0.1	0.0	0.1	0.0	0.1	.2	0.0	0.0	0.3	0.0	-0.3	0.0
		LL	0.0	0.0	0.0	0.0	0.1	0.0	0.1	.15	0.0	0.0	0.1	0.0	-0.2	0.0
		EQX	0.0	0.0	0.2	0.0	0.4	0.0	0.4	0.0	0.0	0.0	0.2	0.0	-0.4	0.0
		EQY	0.0	0.0	-1.0	0.0	-2.0	0.0	2.2	1.0	0.0	0.0	-1.0	0.0	2.2	0.0
		WLX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		WLY	0.0	0.0	0.0	0.0	-0.1	0.0	0.1	1.0	0.0	0.0	0.0	0.0	0.1	0.0

P-Delta Analysis- Wall End Forces

Units: ton, ton-m

Wall	Story	System	LdCase	BOTTOM Axial	BOTTOM Shear	BOTTOM Moment	TOP Axial	TOP Shear	TOP Moment
C(2-3)	1	GL	D0	16.9	-0.1	0.4	16.9	-0.1	0.2
			DL	11.9	0.1	-0.4	11.9	0.1	0.2
			LL	7.1	0.1	0.4	7.1	0.1	1.0
			EQX	-18.6	36.9	-128.8	-18.6	36.9	49.4
			EQY	86.8	-14.7	23.5	83.4	-14.7	-44.1
			WLX	0.6	1.7	-6.1	0.6	1.7	1.9
			WLY	5.2	-1.0	1.6	4.9	-1.0	-2.6
D(2-3)	1	GL	D0	15.8	0.3	-0.5	15.8	0.3	1.2
			DL	12.0	0.8	-1.3	12.0	0.8	2.5
			LL	6.5	0.7	-0.7	6.5	0.7	2.9
			EQX	9.2	61.0	-195.3	9.2	61.0	100.7
			EQY	-70.8	17.8	-35.4	-71.9	17.8	49.2
			WLX	-0.8	3.9	-11.7	-0.8	3.9	7.2
			WLY	-4.1	1.8	-3.7	-4.0	1.8	4.7
2(C-D)	1	GL	D0	14.9	0.1	-0.5	14.9	0.1	0.1
			DL	10.5	0.1	-0.2	10.5	0.1	0.3
			LL	4.9	0.1	-0.3	4.9	0.1	0.1
			EQX	139.0	5.5	-12.1	136.2	5.5	14.6
			EQY	8.3	66.2	-200.1	8.3	66.2	120.9
			WLX	6.8	1.5	-3.5	6.7	1.5	2.6
			WLY	0.4	4.2	-12.4	0.4	4.2	8.0

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Wall	Story	System	LdCase	Axial	Shear	Moment	Axial	Shear	Moment
C(2-3)	2	GL	D0	10.5	0.4	-0.4	10.5	0.4	0.6
			DL	8.4	0.0	0.3	8.4	0.0	0.2
			LL	5.1	0.2	0.2	5.1	0.2	0.7
			EQX	20.0	21.4	-25.3	20.0	21.4	34.7
			EQY	11.0	-19.7	34.2	11.0	-19.7	-21.0
			WLX	1.2	0.7	-0.5	1.2	0.7	1.5
			WLY	0.2	-1.3	2.2	0.2	-1.3	-1.5
D(2-3)	2	GL	D0	9.2	-0.2	0.2	9.2	-0.2	-0.2
			DL	7.6	-1.1	1.6	7.6	-1.1	-1.5
			LL	4.0	-0.7	1.3	4.0	-0.7	-0.6
			EQX	5.8	33.8	-55.9	5.8	33.8	39.5
			EQY	-4.0	23.2	-38.1	-4.0	23.2	26.9
			WLX	0.1	1.9	-2.8	0.1	1.9	2.4
			WLY	0.0	0.7	-1.1	0.0	0.7	0.7
2(C-D)	2	GL	D0	9.5	0.1	-0.3	9.5	0.1	0.0
			DL	7.2	-0.1	0.2	7.2	-0.1	-0.1
			LL	3.6	-0.1	0.0	3.6	-0.1	-0.2
			EQX	17.3	4.8	-7.9	17.0	7.4	5.6
			EQY	1.9	26.8	-34.6	1.9	26.8	40.4
			WLX	0.1	1.0	-1.5	0.1	1.0	1.3
			WLY	-0.1	1.5	-1.8	-0.1	1.5	2.3
C(2-3)	3	GL	D0	6.8	0.2	-0.3	6.8	0.2	0.1
			DL	4.9	0.1	-0.2	4.9	0.1	-0.1
			LL	2.9	0.2	-0.3	2.9	0.2	0.1
			EQX	16.9	4.3	5.2	16.1	5.1	13.4
			EQY	-2.5	-9.8	13.7	-2.2	-9.8	-4.4
			WLX	0.7	-0.1	0.9	0.7	-0.2	0.6
			WLY	-0.5	-0.3	0.4	-0.5	-0.3	-0.2
D(2-3)	3	GL	D0	6.5	0.4	0.0	6.5	0.4	0.8
			DL	5.1	0.3	0.3	5.1	0.3	0.9
			LL	2.9	1.0	-0.6	2.9	1.0	1.1
			EQX	1.2	14.8	-9.9	1.6	14.8	15.0
			EQY	3.8	10.5	-13.3	3.8	10.5	5.7
			WLX	0.1	0.6	-0.3	0.2	0.6	0.7
			WLY	0.5	0.5	-0.8	0.5	0.5	0.2
2(C-D)	3	GL	D0	6.3	0.1	-0.3	6.3	0.1	0.0
			DL	4.3	0.3	-0.5	4.3	0.3	0.1
			LL	2.4	0.4	-0.5	2.4	0.4	0.3
			EQX	-11.9	2.9	-3.5	-13.3	4.4	1.6
			EQY	0.1	16.0	-8.9	0.1	16.0	19.8
			WLX	-1.0	0.3	-0.2	-1.1	0.3	0.4
			WLY	0.2	0.6	-0.2	0.2	0.6	1.0
C(2-3)	4	GL	D0	5.5	0.2	0.2	5.5	0.2	0.4
			DL	4.6	0.1	0.1	4.6	0.1	0.3
			LL	2.7	0.2	0.2	2.7	0.2	0.5
			EQX	17.9	4.1	13.3	17.9	4.1	17.0
			EQY	-12.4	-9.7	5.3	-12.4	-9.7	-4.5
			WLX	0.5	-0.2	0.9	0.5	-0.2	0.7
			WLY	-0.9	-0.4	0.2	-0.9	-0.4	-0.2
D(2-3)	4	GL	D0	4.5	0.9	-0.4	4.5	0.9	0.5
			DL	4.0	0.6	-0.4	4.0	0.6	0.2
			LL	2.1	0.9	-0.3	2.1	0.9	0.6
			EQX	-5.5	1.2	10.4	-4.8	1.0	11.7
			EQY	7.7	10.0	-9.3	7.7	10.0	0.7
			WLX	-0.1	-0.1	0.5	0.0	-0.1	0.4
			WLY	0.6	0.5	-0.5	0.6	0.5	0.0
2(C-D)	4	GL	D0	4.9	0.1	-0.2	4.9	0.1	-0.1
			DL	4.5	0.3	-0.2	4.5	0.3	0.1
			LL	2.2	0.4	-0.3	2.2	0.4	0.1
			EQX	-18.8	4.3	-3.8	-20.3	4.3	-1.0
			EQY	0.4	15.0	1.7	0.4	15.0	16.8
			WLX	-1.1	0.4	-0.1	-1.2	0.4	0.3
			WLY	0.1	0.5	0.3	0.1	0.5	0.8

Wall	Story	System	LdCase	Axial	Shear	Moment	Axial	Shear	Moment
C(2-3)	5	GL	D0	3.3	0.8	-1.0	3.3	0.8	1.2
			DL	1.6	0.7	-0.4	1.6	0.7	1.4
			LL	0.8	0.7	-0.9	0.8	0.7	1.0
			EQX	7.2	-3.4	11.6	8.2	-4.3	1.8
			EQY	-7.0	-6.1	9.6	-7.4	-6.1	-6.7
			WLX	0.1	-0.3	0.7	0.2	-0.3	-0.1
			WLY	-0.5	-0.1	0.3	-0.5	-0.1	-0.2
D(2-3)	5	GL	D0	2.9	-0.8	1.1	2.9	-0.8	-0.9
			DL	1.4	-1.1	2.2	1.4	-1.1	-0.8
			LL	0.8	-0.6	1.1	0.8	-0.6	-0.6
			EQX	-2.2	-5.0	14.7	-2.2	-5.6	0.3
			EQY	5.5	5.0	-8.6	5.7	5.0	4.8
			WLX	0.1	-0.3	0.7	0.1	-0.3	-0.1
			WLY	0.3	0.2	-0.4	0.3	0.2	0.1
2(C-D)	5	GL	D0	2.9	-0.3	0.4	2.9	-0.3	-0.5
			DL	0.7	-0.7	0.9	0.7	-0.7	-1.0
			LL	0.6	-0.5	0.6	0.6	-0.5	-0.7
			EQX	-11.6	-0.4	-0.3	-11.1	-0.4	-1.5
			EQY	0.2	-3.0	8.1	0.2	-3.0	-0.1
			WLX	-0.6	-0.2	0.3	-0.6	-0.2	-0.2
			WLY	0.1	-0.3	0.7	0.1	-0.3	-0.2

P-Delta Analysis- Footing Contact Pressures

Footing group		Load	Force (ton)			Moment (ton-m)			Pressure (ton/m2)	
Group	Floor	LdCase	Rx	Ry	Rz	Mx	My	Mz	PcMax	PcMin
Group 1	1	D0	0.27	0.16	57.50	-36.59	43.32	-0.42	2.41	-0.47
		DL	0.91	0.16	42.38	-25.30	31.82	-0.15	1.75	-0.31
		LL	0.87	0.10	23.55	-14.30	17.14	-0.07	0.97	-0.17
		EQX	100.57	5.42	57.45	-99.01	566.47	43.72	12.04	-11.82
		EQY	3.18	69.29	-3.23	-379.73	38.53	-139.18	7.06	-8.17
		WLX	5.85	1.54	2.48	-10.15	29.70	-0.10	0.71	-0.73
		WLY	0.86	4.36	-0.11	-22.90	3.61	-8.95	0.45	-0.52
G-9	1	D0	-0.28	-0.16	4.81	3.86	-5.33	0.06	5.34	-3.54
		DL	-0.51	-0.21	2.88	2.51	-3.77	0.18	3.57	-2.49
		LL	-0.18	-0.07	0.92	0.79	-1.30	0.08	1.18	-0.83
		EQX	2.62	-1.96	-1.51	5.32	8.96	-3.98	6.60	-7.16
		EQY	-1.33	11.02	-7.33	-41.15	3.41	12.07	21.00	-23.75
		WLX	0.31	-0.31	-0.11	0.37	0.69	-0.55	0.49	-0.53
		WLY	-0.30	0.87	-0.40	-2.65	-0.12	1.11	1.32	-1.47
F-9	1	D0	-0.14	-0.01	13.58	0.00	-15.90	-0.01	3.39	-1.46
		DL	-0.58	-0.01	13.88	0.01	-16.95	-0.01	3.57	-1.60
		LL	-0.26	0.00	4.62	-0.01	-5.80	0.01	1.21	-0.56
		EQX	2.39	-0.86	-8.12	2.18	16.51	-1.00	2.12	-3.28
		EQY	-0.68	4.90	3.72	-12.15	-6.76	5.66	2.32	-1.80
		WLX	0.44	-0.06	-0.39	0.15	1.01	-0.07	0.14	-0.20
		WLY	-0.47	0.33	0.24	-0.81	-0.74	0.39	0.20	-0.16
E-9	1	D0	-0.11	0.04	15.35	-0.08	-18.83	0.05	3.62	-1.57
		DL	-0.49	0.04	17.96	-0.06	-22.62	0.05	4.32	-1.91
		LL	-0.21	0.01	6.07	-0.03	-7.76	0.02	1.48	-0.66
		EQX	2.12	-0.80	-6.62	2.08	14.35	-0.98	1.69	-2.58
		EQY	-0.31	4.45	-7.37	-11.45	7.83	5.42	1.49	-2.47
		WLX	0.38	-0.06	-0.28	0.15	0.78	-0.07	0.10	-0.14
		WLY	-0.38	0.30	-0.44	-0.77	0.26	0.37	0.07	-0.13
D-9	1	D0	-0.10	-0.01	15.96	0.01	-19.33	-0.02	3.88	-1.67
		DL	-0.37	-0.03	16.31	0.05	-20.22	-0.04	4.03	-1.77
		LL	-0.17	0.00	6.00	-0.01	-7.54	0.00	1.50	-0.67
		EQX	1.92	-0.82	-7.59	2.11	14.85	-1.00	1.78	-2.83
		EQY	-0.07	4.58	5.00	-11.64	-6.21	5.52	2.21	-1.52
		WLX	0.26	-0.06	-0.32	0.15	0.75	-0.07	0.10	-0.14
		WLY	-0.24	0.31	0.24	-0.78	-0.45	0.38	0.15	-0.11
B-9	1	D0	-0.11	0.05	15.14	-0.09	-17.22	0.06	4.13	-1.76
		DL	-0.21	-0.01	12.97	0.01	-14.98	-0.01	3.57	-1.54
		LL	-0.11	-0.07	7.59	0.10	-8.77	-0.08	2.10	-0.91
		EQX	2.19	-0.86	-6.88	2.17	13.91	-0.98	2.05	-3.13

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Project: CASA CORREGIDOR - SOGAMOSO BLOQUE NUEVO 4:20:16 p. m. 4/05/2022

Group	Floor	LdCase	Rx	Ry	Rz	Mx	My	Mz	PcMax	PcMin
		EQY	0.33	4.84	-2.21	-12.04	3.56	5.47	1.65	-2.00
		WLX	0.26	-0.06	-0.28	0.15	0.65	-0.07	0.10	-0.15
		WLY	-0.23	0.33	-0.13	-0.80	0.05	0.37	0.08	-0.10
A-9	1	D0	-0.08	0.05	10.39	-0.09	-8.69	0.04	4.46	-1.80
		DL	-0.03	0.13	4.80	-0.21	-4.05	0.11	2.11	-0.88
		LL	-0.02	0.12	4.00	-0.19	-3.38	0.10	1.76	-0.74
		EQX	1.91	-0.75	-6.69	1.99	11.23	-0.63	3.58	-5.30
		EQY	0.65	4.10	11.52	-10.83	-7.38	3.41	6.42	-3.47
		WLX	0.18	0.12	-0.29	0.14	0.50	0.10	0.17	-0.25
		WLY	-0.06	0.42	0.62	-0.73	-0.36	0.35	0.37	-0.21
G-8	1	D0	0.04	-0.04	10.47	11.19	0.02	-0.04	3.14	-1.37
		DL	0.09	-0.06	5.81	6.27	0.10	-0.09	1.76	-0.78
		LL	-0.12	-0.04	3.46	3.74	-0.23	0.12	1.07	-0.48
		EQX	1.69	-0.39	3.92	5.22	4.58	-1.80	1.88	-1.22
		EQY	-0.84	2.95	-12.45	-20.96	-2.37	0.91	3.42	-5.53
		WLX	0.13	-0.26	0.25	0.30	0.35	-0.14	0.12	-0.08
		WLY	-0.11	0.38	-0.77	-1.29	-0.31	0.11	0.23	-0.36
F-8	1	D0	-0.06	-0.03	19.01	0.04	-0.16	0.00	2.31	2.21
		DL	0.06	-0.05	21.69	0.08	0.02	0.00	2.61	2.56
		LL	-0.27	-0.04	12.57	0.07	-0.52	0.00	1.64	1.35
		EQX	2.39	-0.55	7.44	1.41	7.18	-0.01	2.98	-1.21
		EQY	-0.71	4.02	1.61	-10.25	-2.54	0.02	3.37	-2.99
		WLX	0.20	-0.02	0.33	0.05	0.57	0.00	0.19	-0.11
		WLY	-0.17	0.24	0.16	-0.62	-0.47	0.00	0.29	-0.25
E-8	1	D0	-0.02	0.04	18.91	-0.06	-0.06	0.00	2.45	2.38
		DL	-0.04	0.07	32.24	-0.11	-0.11	0.00	4.17	4.05
		LL	-0.26	0.04	19.87	-0.05	-0.46	0.00	2.67	2.40
		EQX	1.68	-0.58	5.93	1.54	4.90	-0.01	2.50	-0.99
		EQY	-0.27	4.59	-10.61	-11.74	-0.88	0.03	2.15	-4.86
		WLX	0.12	-0.02	0.26	0.05	0.34	0.00	0.14	-0.07
		WLY	-0.09	0.28	-0.56	-0.71	-0.22	0.00	0.18	-0.33
D-8	1	D0	0.04	-0.06	17.52	0.09	0.04	0.00	2.64	2.55
		DL	0.09	-0.13	23.51	0.21	0.09	0.00	3.58	3.38
		LL	-0.04	-0.05	12.49	0.08	-0.12	0.00	1.92	1.78
		EQX	2.08	-0.55	-14.75	1.48	5.32	-0.01	0.11	-4.48
		EQY	0.02	4.66	1.07	-11.83	-0.06	0.03	4.30	-3.98
		WLX	0.13	-0.02	-0.61	0.05	0.32	0.00	0.04	-0.22
		WLY	-0.05	0.28	-0.04	-0.72	-0.12	0.00	0.28	-0.30
B-8	1	D0	-0.01	0.05	20.41	-0.08	-0.02	0.00	3.05	2.99
		DL	-0.17	0.08	22.48	-0.12	-0.33	0.00	3.48	3.17
		LL	-0.20	-0.03	14.46	0.05	-0.38	0.00	2.28	2.00
		EQX	2.32	-0.69	-1.57	1.62	6.38	-0.01	2.47	-2.94
		EQY	-0.27	4.32	4.20	-10.73	0.66	0.02	4.58	-3.33
		WLX	0.13	-0.02	-0.05	0.06	0.34	0.00	0.13	-0.14
		WLY	-0.06	0.26	0.19	-0.65	-0.12	0.00	0.29	-0.24
A-8	1	D0	0.00	0.04	13.67	-0.06	0.00	0.00	2.68	2.61
		DL	-0.24	0.13	9.99	-0.20	-0.44	0.00	2.26	1.61
		LL	-0.23	0.12	8.90	-0.18	-0.42	0.00	2.02	1.42
		EQX	1.90	-0.49	4.83	1.31	5.71	-0.01	4.46	-2.59
		EQY	0.63	3.68	13.27	-9.66	2.08	0.02	8.63	-3.51
		WLX	0.09	0.23	0.21	0.05	0.26	0.00	0.20	-0.12
		WLY	0.04	0.42	0.73	-0.58	0.15	0.00	0.52	-0.24
D-7	1	D0	0.02	-0.02	12.00	0.03	0.02	0.00	0.95	0.93
		DL	0.03	0.01	15.56	-0.01	0.01	0.00	1.22	1.22
		LL	0.00	0.00	9.82	0.01	-0.04	0.00	0.78	0.76
		EQX	1.80	-0.42	20.12	1.13	4.85	-0.01	2.36	0.79
		EQY	0.04	4.01	-17.63	-10.48	-0.03	0.03	0.00	-2.76
		WLX	0.12	0.02	0.81	-0.04	0.30	0.00	0.11	0.02
		WLY	-0.05	0.35	-0.89	-0.60	-0.12	0.00	0.02	-0.16
C-7	1	D0	0.04	-0.04	12.63	0.08	0.05	0.00	1.00	0.97
		DL	0.02	-0.08	13.15	0.13	-0.01	0.00	1.05	1.01
		LL	0.01	-0.08	9.65	0.14	-0.02	0.00	0.78	0.73
		EQX	1.48	-0.54	13.11	1.33	4.34	-0.01	1.77	0.28
		EQY	0.07	4.22	18.58	-10.81	0.29	0.03	2.91	0.00
		WLX	0.14	0.01	0.58	-0.04	0.26	0.00	0.08	0.01
		WLY	-0.11	0.24	1.11	-0.62	-0.10	0.00	0.18	-0.01
G-5a	1	D0	-0.40	0.02	3.42	2.99	-4.39	0.38	3.80	-2.60
		DL	-0.97	-0.03	3.90	3.51	-5.83	0.84	4.71	-3.34

Company: AC INGENIERIA Engineer: ALVARO CABALLERO
Project: CASA CORREGIDOR - SOGAMOSO BLOQUE NUEVO 4:20:16 p. m. 4/05/2022

Group	Floor	LdCase	Rx	Ry	Rz	Mx	My	Mz	PcMax	PcMin
		LL	-0.32	0.01	1.34	1.16	-1.99	0.30	1.59	-1.12
		EQX	0.99	0.34	-0.90	-1.67	3.70	-0.50	2.13	-2.45
		EQY	-0.09	1.19	-1.36	-4.26	1.25	1.39	2.30	-2.77
		WLX	0.02	-0.27	-0.02	0.04	0.06	-0.31	0.04	-0.05
		WLY	0.02	0.60	-0.47	-1.44	0.56	0.64	0.83	-0.99
F-5a	1	D0	-0.34	-0.03	4.68	0.02	-3.35	-0.02	3.83	-1.76
		DL	-0.96	0.01	5.75	-0.04	-4.97	0.00	5.42	-2.87
		LL	-0.32	-0.02	2.51	0.01	-2.01	-0.01	2.23	-1.12
		EQX	0.78	0.24	-0.52	-0.57	2.33	0.16	2.09	-2.31
		EQY	0.08	0.87	1.35	-2.07	-0.60	0.53	1.77	-1.17
		WLX	0.01	0.23	-0.02	0.04	0.04	0.14	0.05	-0.06
		WLY	0.01	0.49	0.46	-0.70	-0.24	0.30	0.63	-0.43
G-5	1	D0	0.40	0.05	3.38	2.91	4.39	-0.41	3.70	-2.53
		DL	0.97	0.01	3.91	3.45	5.89	-0.88	4.64	-3.28
		LL	0.32	0.02	1.33	1.12	1.99	-0.32	1.55	-1.09
		EQX	0.99	-0.33	0.95	1.70	3.76	-0.51	2.46	-2.13
		EQY	-0.08	1.18	-1.42	-4.28	-1.80	-1.23	2.49	-2.98
		WLX	0.02	-0.22	0.02	-0.04	0.06	0.23	0.04	-0.04
		WLY	0.02	0.60	-0.49	-1.47	-0.51	-0.69	0.81	-0.98
F-5	1	D0	0.34	-0.04	4.66	0.03	3.34	0.02	3.88	-1.78
		DL	0.95	0.02	5.58	-0.06	4.86	-0.01	5.39	-2.88
		LL	0.32	-0.01	2.45	0.00	1.97	0.01	2.22	-1.12
		EQX	0.78	-0.25	0.49	0.59	2.31	0.16	2.35	-2.13
		EQY	0.08	0.86	1.42	-2.04	1.06	-0.51	2.21	-1.57
		WLX	0.01	0.26	0.03	-0.04	0.04	-0.16	0.06	-0.05
		WLY	0.01	0.49	0.50	-0.70	0.33	-0.30	0.73	-0.51
D-4	1	D0	-0.01	-0.02	11.70	0.03	-0.02	0.00	1.15	1.13
		DL	0.02	-0.01	15.48	0.02	0.03	0.00	1.52	1.50
		LL	-0.01	-0.01	9.50	0.02	-0.02	0.00	0.94	0.92
		EQX	1.55	-0.33	-38.91	0.75	4.04	-0.02	-2.92	-4.68
		EQY	-0.11	1.42	-18.95	-4.20	-0.28	0.04	-1.03	-2.67
		WLX	0.09	-0.09	-1.95	0.04	0.22	0.00	-0.14	-0.24
		WLY	0.01	0.13	-1.02	-0.21	0.01	0.00	-0.06	-0.14
C-4	1	D0	0.00	-0.04	12.90	0.07	-0.02	0.00	1.28	1.24
		DL	-0.01	-0.08	14.69	0.14	-0.03	0.00	1.47	1.40
		LL	-0.03	-0.08	9.92	0.14	-0.06	0.00	1.01	0.93
		EQX	1.12	-0.24	-32.35	0.60	3.30	-0.02	-2.44	-3.87
		EQY	0.19	1.62	17.03	-4.51	0.54	0.04	2.59	0.74
		WLX	0.06	0.06	-1.24	0.03	0.16	0.00	-0.09	-0.16
		WLY	0.00	0.14	0.99	-0.23	0.04	0.00	0.14	0.05
G-3	1	D0	-0.06	-0.03	10.34	10.27	-0.08	0.05	3.48	-1.50
		DL	-0.12	-0.05	5.64	5.65	-0.18	0.12	1.93	-0.85
		LL	0.07	-0.03	3.39	3.39	0.13	-0.07	1.16	-0.51
		EQX	1.39	-0.05	-2.32	-2.14	3.89	-1.38	0.80	-1.25
		EQY	-1.28	0.86	-8.68	-11.06	-3.43	1.28	2.29	-3.95
		WLX	0.09	-0.24	-0.26	-0.27	0.25	-0.09	0.07	-0.12
		WLY	-0.06	0.24	-0.53	-0.65	-0.16	0.06	0.13	-0.23
F-3	1	D0	0.04	-0.03	18.87	0.05	0.06	0.00	2.44	2.38
		DL	-0.11	-0.07	21.20	0.12	-0.15	0.00	2.78	2.63
		LL	0.21	-0.05	12.47	0.08	0.34	0.00	1.70	1.48
		EQX	1.79	-0.09	-8.35	0.23	5.78	-0.01	0.55	-2.68
		EQY	-1.33	1.22	7.28	-3.37	-4.06	0.03	2.96	-1.10
		WLX	0.13	0.00	-0.36	-0.02	0.40	0.00	0.07	-0.16
		WLY	0.04	0.06	0.48	-0.18	-0.12	0.00	0.14	-0.02
E-3	1	D0	0.00	0.04	18.78	-0.07	0.00	0.00	2.42	2.38
		DL	-0.09	0.07	30.90	-0.10	-0.14	0.00	4.01	3.88
		LL	0.20	0.04	19.43	-0.06	0.30	0.00	2.58	2.38
		EQX	1.28	0.02	-11.32	0.08	4.50	-0.01	-0.21	-2.67
		EQY	-0.59	1.31	-9.24	-3.52	-1.81	0.03	0.29	-2.64
		WLX	0.09	0.01	-0.66	-0.03	0.28	0.00	0.00	-0.17
		WLY	0.02	0.07	-0.47	-0.18	-0.04	0.00	0.00	-0.12
B-3	1	D0	-0.02	-0.03	16.48	0.05	-0.06	0.00	3.10	3.00
		DL	0.06	-0.12	15.46	0.20	0.06	0.00	2.99	2.73
		LL	0.10	-0.11	11.38	0.18	0.13	0.00	2.25	1.96
		EQX	1.09	-0.46	-12.88	0.81	3.74	-0.01	-0.24	-4.53
		EQY	0.77	1.56	17.25	-3.90	1.99	0.03	6.02	0.36
		WLX	0.05	-0.01	-0.33	0.00	0.17	0.00	0.02	-0.14
		WLY	0.04	0.08	0.93	-0.21	0.10	0.00	0.32	0.03

Group	Floor	LdCase	Rx	Ry	Rz	Mx	My	Mz	PcMax	PcMin
A-3	1	D0	-0.02	0.05	13.99	-0.08	-0.07	0.00	3.35	3.15
		DL	0.14	0.16	10.48	-0.25	0.19	0.00	2.73	2.14
		LL	0.15	0.14	9.47	-0.21	0.19	0.00	2.47	1.93
		EQX	0.85	-0.02	-4.88	0.11	3.29	-0.01	1.10	-3.37
		EQY	1.08	1.14	8.02	-3.23	3.21	0.03	6.19	-2.46
		WLX	0.03	0.27	-0.10	-0.02	0.13	0.00	0.08	-0.13
		WLY	0.04	0.27	0.43	-0.17	0.13	0.00	0.30	-0.11
G-1	1	D0	0.18	-0.07	3.21	3.07	3.25	-0.10	3.96	-2.69
		DL	0.35	-0.05	2.28	2.19	2.68	-0.27	3.02	-2.12
		LL	0.10	-0.01	0.69	0.65	0.81	-0.08	0.91	-0.64
		EQX	1.71	0.23	1.46	0.78	5.72	-1.80	3.71	-3.13
		EQY	-1.40	0.96	-2.53	-4.66	-5.93	0.42	5.08	-6.08
		WLX	0.20	-0.14	0.06	-0.03	0.35	-0.06	0.21	-0.19
		WLY	0.06	0.21	-0.12	-0.27	-0.25	-0.25	0.25	-0.30
F-1	1	D0	0.11	-0.02	13.29	0.02	14.80	0.02	3.56	-1.51
		DL	0.52	-0.02	13.23	0.03	15.39	0.03	3.66	-1.62
		LL	0.20	0.00	4.26	-0.01	5.01	0.00	1.19	-0.53
		EQX	1.80	0.30	8.33	-0.74	14.94	-0.34	3.28	-1.99
		EQY	-1.33	0.87	-5.27	-2.39	-9.86	-0.93	1.51	-2.33
		WLX	0.35	0.04	0.37	-0.10	0.81	-0.04	0.18	-0.12
		WLY	0.31	0.07	-0.32	-0.18	-0.48	-0.08	0.07	-0.12
E-1	1	D0	0.09	0.04	14.92	-0.07	17.48	-0.05	3.66	-1.56
		DL	0.45	0.04	17.25	-0.08	20.76	-0.05	4.31	-1.89
		LL	0.16	0.02	5.73	-0.04	6.91	-0.02	1.43	-0.63
		EQX	1.29	0.30	8.40	-0.75	14.27	-0.36	2.78	-1.60
		EQY	-0.60	0.84	-5.48	-2.33	-8.17	-0.94	1.03	-1.79
		WLX	0.30	0.04	0.31	-0.10	0.64	-0.04	0.13	-0.08
		WLY	0.29	0.07	-0.31	-0.18	-0.41	-0.08	0.05	-0.10
D-1	1	D0	0.01	-0.01	13.33	0.00	14.50	0.01	3.61	-1.51
		DL	0.10	0.00	10.47	-0.01	11.54	0.00	2.86	-1.21
		LL	0.04	0.02	3.73	-0.04	4.10	-0.02	1.02	-0.43
		EQX	1.32	0.30	18.13	-0.75	23.93	-0.33	5.72	-2.87
		EQY	-0.28	0.84	-0.96	-2.32	-1.61	-0.88	0.44	-0.59
		WLX	0.21	0.04	0.81	-0.10	1.10	-0.04	0.27	-0.14
		WLY	0.18	0.07	-0.09	-0.18	-0.10	-0.08	0.03	-0.04
B-1	1	D0	0.09	0.03	14.14	-0.05	14.62	-0.03	4.21	-1.76
		DL	0.14	-0.04	11.02	0.05	11.50	0.04	3.31	-1.40
		LL	0.04	-0.07	6.82	0.10	7.02	0.07	2.03	-0.85
		EQX	0.96	0.39	7.71	-0.90	11.44	-0.41	3.11	-1.77
		EQY	0.55	0.99	1.77	-2.55	3.45	-0.98	1.15	-0.84
		WLX	0.18	0.04	0.32	-0.12	0.49	-0.05	0.14	-0.09
		WLY	0.20	0.08	0.10	-0.19	0.19	-0.08	0.07	-0.05
A-1	1	D0	0.09	0.04	10.46	-0.08	8.08	-0.03	4.91	-1.93
		DL	-0.01	0.13	4.69	-0.21	3.52	-0.10	2.20	-0.87
		LL	-0.02	0.12	3.87	-0.20	2.87	-0.09	1.81	-0.71
		EQX	0.85	0.28	5.25	-0.73	7.29	-0.23	4.00	-2.50
		EQY	1.09	0.72	7.22	-2.12	8.72	-0.52	5.22	-3.16
		WLX	0.12	0.22	0.33	-0.10	0.38	-0.17	0.23	-0.14
		WLY	0.15	0.21	0.38	-0.17	0.42	-0.16	0.27	-0.17

P-Delta Analysis- Footing Envelopes

Load combinations : Service
Type of contact pressure: Linear, Pmax|Pmin = Rz/A (1 ± eb/S3 ± el/S2)
Self weight of footing: 0.10 Rz (D0 + DL + LL)

Group	Floor	Rz max ton	Rz min ton	Pc max ton/m2	Pc min ton/m2	Pc/Pa max	Pc/Pa min
Group 1	1	160.32	32.05	12.81	-8.83	1.20	-0.83
G-9	1	13.68	0.35	25.70	-20.57	2.42	-1.93
F-9	1	38.44	14.00	9.83	-4.36	0.92	-0.41
E-9	1	45.70	18.76	10.68	-4.61	1.00	-0.43
D-9	1	44.61	17.87	10.79	-4.61	1.01	-0.43
B-9	1	41.03	15.62	11.20	-4.78	1.05	-0.45
A-9	1	26.21	2.97	11.55	-4.94	1.09	-0.46

Group	Floor	Rz max	Rz min	Pc max	Pc min	Pc/Pa max	Pc/Pa min
G-8	1	27.45	3.03	8.94	-4.37	0.84	-0.41
F-8	1	59.41	24.54	8.47	1.18	0.80	0.11
E-8	1	78.77	30.37	11.74	1.36	1.10	0.13
D-8	1	63.56	19.64	10.50	1.21	0.99	0.11
B-8	1	63.08	28.53	11.26	1.42	1.06	0.13
A-8	1	40.63	8.17	11.17	-2.72	1.05	-0.26
D-7	1	49.32	6.19	4.49	-0.34	0.42	-0.03
C-7	1	46.40	6.00	4.37	-0.56	0.41	-0.05
G-5a	1	9.92	4.31	11.32	-7.85	1.06	-0.74
F-5a	1	14.32	6.60	12.39	-6.25	1.16	-0.59
G-5	1	9.89	4.24	11.22	-7.80	1.05	-0.73
F-5	1	14.09	6.42	12.41	-6.28	1.17	-0.59
D-4	1	58.60	-7.26	6.28	-1.33	0.59	-0.12
C-4	1	55.92	-2.34	5.80	-0.75	0.55	-0.07
G-3	1	25.06	5.45	8.49	-3.70	0.80	-0.35
F-3	1	59.11	23.45	8.44	1.65	0.79	0.16
E-3	1	77.16	28.79	10.53	2.78	0.99	0.26
B-3	1	53.94	11.42	11.34	0.06	1.07	0.01
A-3	1	39.22	12.46	11.91	0.05	1.12	0.00
G-1	1	7.97	2.14	11.36	-8.24	1.07	-0.77
F-1	1	37.21	13.16	10.08	-4.34	0.95	-0.41
E-1	1	44.71	17.22	10.77	-4.51	1.01	-0.42
D-1	1	39.24	4.34	10.69	-4.52	1.01	-0.42
B-1	1	37.57	12.90	10.94	-4.43	1.03	-0.42
A-1	1	23.78	5.94	11.50	-4.75	1.08	-0.45

LOAD COMBINATIONS

No	Load combination
1	1.4D0 + 1.4DL
2	1.2D0 + 1.2DL + 1.6LL
3	1.2D0 + 1.2DL + .5LL + WLX
4	1.2D0 + 1.2DL + .5LL - WLX
5	1.2D0 + 1.2DL + .5LL + WLY
6	1.2D0 + 1.2DL + .5LL - WLY
7	1.2D0 + 1.2DL + .5LL + .75WLX + .75WLY
8	1.2D0 + 1.2DL + .5LL - .75WLX - .75WLY
9	1.2D0 + 1.2DL + .5WLX
10	1.2D0 + 1.2DL - .5WLX
11	1.2D0 + 1.2DL + .5WLY
12	1.2D0 + 1.2DL - .5WLY
13	1.2D0 + 1.2DL + .375WLX + .375WLY
14	1.2D0 + 1.2DL - .375WLX - .375WLY
15	.9D0 + .9DL + WLX
16	.9D0 + .9DL - WLX
17	.9D0 + .9DL + WLY
18	.9D0 + .9DL - WLY
19	1.2D0 + 1.2DL + .5LL + EQX
20	1.2D0 + 1.2DL + .5LL - EQX
21	1.2D0 + 1.2DL + .5LL + EQY
22	1.2D0 + 1.2DL + .5LL - EQY
23	.9D0 + .9DL + EQX
24	.9D0 + .9DL - EQX
25	.9D0 + .9DL + EQY
26	.9D0 + .9DL - EQY

STRONG COLUMN WEAK BEAM CHECK

Units: ton-m

		Direction 2					Direction 3				
Axis	Floor	S.Mnc->	S.Mnb->	S.Mnc<-	S.Mnb<-	Ratio	S.Mnc->	S.Mnb->	S.Mnc<-	S.Mnb<-	Ratio
A-1	2	28.6	6.3	33.0	6.3	4.5	40.1	6.3	38.9	6.3	6.2
A-1	4	28.0	6.3	30.1	6.3	4.5	37.6	6.3	37.0	6.3	5.9
B-1	2	31.7	12.6	34.9	12.6	2.5	43.5	6.3	42.1	6.3	6.7
B-1	3	30.5	6.3	32.2	7.0	4.6	41.1	0.0	39.5	0.0	100.0
B-1	4	29.6	6.3	30.7	6.3	4.7	39.5	6.3	37.9	6.3	6.0
B-1	5	28.5	6.3	29.4	6.3	4.5	37.6	6.3	36.7	6.3	5.8
D-1	2	32.2	12.6	33.8	12.6	2.6	46.3	8.9	38.4	8.0	4.8
D-1	3	30.4	12.6	31.6	12.6	2.4	42.4	10.0	37.2	8.9	4.2
D-1	5	28.8	12.6	29.5	12.6	2.3	38.8	7.8	36.0	7.2	5.0

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Axis	Floor	S.Mnc->	S.Mnb->	S.Mnc<-	S.Mnb<-	Ratio	S.Mnc->	S.Mnb->	S.Mnc<-	S.Mnb<-	Ratio
E-1	2	34.8	12.6	35.2	12.6	2.8	45.6	10.6	44.3	6.3	4.3
E-1	3	32.1	12.6	32.4	12.6	2.6	41.9	11.4	40.9	6.3	3.7
E-1	5	29.6	12.6	29.8	12.6	2.4	38.4	10.5	37.8	6.3	3.7
F-1	2	33.5	12.6	33.1	12.6	2.6	46.5	11.0	39.0	6.3	4.2
F-1	3	31.1	6.3	30.7	6.3	4.9	40.4	10.1	38.9	6.3	4.0
F-1	5	29.1	6.3	28.9	6.3	4.6	37.7	9.7	36.7	6.3	3.9
A-3	2	32.7	6.3	33.7	7.0	4.8	39.6	6.3	45.7	6.5	6.3
A-3	4	30.4	6.3	30.8	7.2	4.3	37.6	6.3	40.9	6.3	6.0
B-3	2	32.5	12.6	37.6	12.6	2.6	39.6	13.8	48.7	13.8	2.9
B-3	3	29.0	10.7	36.4	8.5	2.7	38.4	6.3	45.6	6.3	6.1
B-3	4	29.7	7.8	32.0	6.3	3.8	37.1	6.3	42.2	6.3	5.9
B-3	5	27.3	8.0	31.0	6.3	3.4	36.1	12.6	38.8	12.6	2.9
E-3	2	43.0	12.6	35.0	12.6	2.8	44.5	6.3	50.6	11.7	4.3
E-3	3	35.3	14.2	36.0	14.1	2.5	41.3	6.3	48.5	11.6	4.2
E-3	5	31.5	12.8	31.6	12.8	2.5	38.3	6.3	42.8	10.3	4.1
F-3	2	37.2	12.6	36.4	12.6	2.9	47.3	6.3	47.3	12.4	3.8
F-3	3	31.5	12.6	35.6	12.6	2.5	39.8	6.3	46.3	9.5	4.9
F-3	5	30.3	12.6	32.6	12.6	2.4	38.3	6.3	42.4	8.2	5.2
G-3	2	27.7	6.3	22.6	6.3	3.6	25.4	6.3	24.9	7.6	3.3
G-3	3	24.6	6.5	22.7	6.3	3.6	23.9	0.0	23.4	0.0	100.0
G-3	5	23.5	6.3	22.8	6.3	3.6	23.3	0.0	22.9	0.0	100.0
C-4	2	39.0	11.9	43.5	11.8	3.3	31.8	8.1	49.5	8.1	3.9
C-4	3	38.0	13.5	39.7	13.5	2.8	33.1	8.5	44.6	10.3	3.9
C-4	5	36.2	8.3	36.1	8.3	4.3	33.6	4.6	38.8	6.2	6.2
D-4	2	47.2	6.0	35.3	6.3	5.6	30.1	11.1	50.1	10.6	2.7
D-4	3	42.5	6.8	35.6	6.7	5.3	31.8	11.5	46.2	14.7	2.8
D-4	5	37.5	4.2	34.9	4.2	8.4	32.6	8.4	39.8	11.6	3.4
C-7	2	38.8	19.4	43.0	19.2	2.0	42.5	5.0	39.3	5.0	7.9
C-7	3	38.6	13.8	39.0	13.8	2.8	39.8	5.3	37.8	5.0	7.6
C-7	5	36.8	8.3	35.9	8.3	4.3	36.8	5.1	35.8	5.0	7.2
D-7	2	46.8	9.5	36.5	9.9	3.7	44.6	6.3	38.8	6.3	6.2
D-7	3	42.1	6.7	37.2	6.7	5.6	41.2	9.3	38.1	6.3	4.4
D-7	5	37.4	4.2	36.0	4.2	8.7	37.3	8.6	36.0	6.3	4.4
A-8	2	31.8	9.1	34.3	11.7	2.9	42.1	6.3	42.8	6.3	6.7
A-8	4	30.2	6.3	30.8	7.4	4.2	39.0	6.3	39.4	6.3	6.2
B-8	2	38.8	18.4	36.9	18.3	2.0	45.3	12.7	49.5	12.7	3.6
B-8	3	35.1	6.3	33.6	10.4	3.2	42.4	6.3	45.9	6.3	6.7
B-8	4	32.6	6.8	31.7	6.3	4.8	40.3	6.3	42.3	6.3	6.4
B-8	5	30.1	6.3	30.1	7.4	4.1	37.8	12.6	39.4	12.6	3.0
D-8	2	44.1	20.0	40.3	20.1	2.0	37.2	13.8	47.2	13.8	2.7
D-8	3	40.2	16.2	37.3	16.3	2.3	35.7	13.8	41.8	13.8	2.6
D-8	5	36.5	13.9	34.9	13.9	2.5	34.4	13.7	37.0	13.8	2.5
E-8	2	49.4	19.7	40.3	19.6	2.1	43.6	11.1	46.7	6.3	3.9
E-8	3	43.9	14.2	38.0	14.2	2.7	39.8	10.1	42.1	6.3	3.9
E-8	5	38.3	12.6	35.6	12.6	2.8	36.3	9.7	37.6	6.3	3.7
F-8	2	38.8	17.1	35.1	17.1	2.1	47.1	12.2	47.5	6.3	3.9
F-8	3	35.0	13.6	32.2	13.7	2.3	43.0	8.5	43.3	6.3	5.1
F-8	5	32.5	12.6	30.5	12.6	2.4	40.2	7.4	40.7	6.3	5.4
G-8	2	28.2	10.1	22.1	8.3	2.7	25.2	8.0	25.2	6.3	3.1
G-8	3	25.2	7.4	22.2	6.3	3.4	23.5	0.0	23.8	0.0	100.0
G-8	5	23.9	6.3	22.4	6.3	3.6	23.0	0.0	23.3	0.0	100.0
A-9	2	27.9	11.0	33.7	13.5	2.5	36.9	6.3	42.2	6.3	5.9
A-9	4	28.5	6.3	29.5	8.7	3.4	36.0	6.3	38.5	6.3	5.7
B-9	2	32.8	21.7	35.3	21.7	1.5	40.0	6.3	47.5	6.3	6.4
B-9	3	33.0	8.2	30.8	12.3	2.5	38.1	0.0	43.9	0.0	100.0
B-9	4	31.4	8.4	29.8	7.3	3.7	37.1	6.3	41.5	6.3	5.9
B-9	5	28.7	6.3	29.8	8.1	3.7	36.3	6.3	38.7	6.7	5.7
D-9	2	32.8	21.9	37.4	22.0	1.5	41.1	6.3	48.5	8.5	5.7
D-9	3	33.0	18.6	31.9	18.8	1.7	39.0	6.3	44.3	9.1	4.9
D-9	5	29.2	13.6	30.4	13.6	2.1	36.9	6.3	39.6	9.1	4.4
E-9	2	36.4	22.6	36.5	22.5	1.6	42.4	6.3	49.4	10.6	4.7
E-9	3	35.2	17.1	31.7	17.0	1.9	40.0	6.3	45.1	11.1	4.1
E-9	5	30.3	12.6	30.8	12.6	2.4	37.7	6.3	40.3	11.0	3.7
F-9	2	32.3	26.0	34.7	26.0	1.2	39.4	6.3	46.6	11.5	4.1
F-9	3	32.3	9.3	29.7	6.9	3.5	37.6	6.3	42.0	10.1	4.2
F-9	5	29.0	6.3	29.0	6.3	4.6	36.1	6.3	38.4	9.9	3.9

S.Mnc: Sum of nominal flexural strengths of columns framing into the joint
S.Mnb: Sum of nominal flexural strengths of beams framing into the joint
--> : Drift +
<-- : Drift -
Ratio: MIN (S.Mnc/SMnb ->, S.Mnc/SMnb ->)
Check: OK If Ratio > 1.2
X If Ratio < 1.2 *

MATERIALS

Number of materials = 2

REINFORCED CONCRETE

Mat	Name	f'c Kg/cm2	fy Kg/cm2	fys1 Kg/cm2	fys2 Kg/cm2	E Kg/cm2	G Kg/cm2	w Kg/m3
1	3500 PSI	245	4200	4200	4200	218540	87430	2400.0

f'c: Compressive strength of concrete
fy: Yield strength of longitudinal reinforcement
fys1: Yiel strength of shear reinforcement, bar sizes <= 3/8"
fys2: Yiel strength of shear reinforcement, bar sizes > 3/8"

COLUMN SECTIONS

Number of prismatic sections = 6

Sec	Name	Shape	b (cm)	h (cm)	tw (cm)	tf (cm)	P1 (cm)	P2 (cm)	A (cm2)	I2 (cm4)	I3 (cm4)	J (cm4)
1	50X40	Rectang	40.00	50.00	-	-	-	-	2000.0	416667	266667	529067
2	40X40	Rectang	40.00	40.00	-	-	-	-	1600.0	213333	213333	315733
3	ORDE DE MURO	Rectang	30.00	30.00	-	-	-	-	900.0	67500	67500	99900
4	D40cm	Oval	40.00	40.00	-	-	-	-	1257.0	125664	125664	251327
5	D=50CM	Oval	50.00	50.00	-	-	-	-	1963.0	306796	306796	613592
6	40X70	Rectang	70.00	40.00	-	-	-	-	2800.0	373333	1143333	955733

Design Results - Columns (DES)

Column	Story	L (m)	Lu (m)	Sec Mat	bxh (cm)	TRANSVERSE REINFORCEMENT TIES	XTIES	LONGITUDINAL REINFORCEMENT Sec	LdCmb critc	Pu (ton)	Mu2 (ton-m)	Mu3 (ton-m)	RHO -	As (cm2)
G-9	1	4.85	4.53	6	70x40	10 #3 @ 8 cm (end)	1 (b)	Top	25	-0.41	4.09	13.31	0.0100	28.00
				1		20 #3 @ 15 cm (ctr)	3 (h)	Bot	21	2.36	5.79	34.91	0.0130	36.53
F-9	5	2.70	2.30	1	40x50	7 #3 @ 8 cm (end)	2 (b)	Top	1	4.34	0.13	1.24	0.0100	20.00
				1		8 #3 @ 15 cm (ctr)	1 (h)	Bot	1	4.34	0.62	1.29	0.0100	20.00
F-9	3-4	2.80	2.40	1	40x50	7 #3 @ 8 cm (end)	2 (b)	Top	21	10.97	6.63	3.46	0.0100	20.00
				1		9 #3 @ 15 cm (ctr)	1 (h)	Bot	1	13.96	2.94	0.56	0.0100	20.00
F-9	2	2.80	2.40	1	40x50	7 #3 @ 8 cm (end)	2 (b)	Top	25	11.72	4.01	5.62	0.0100	20.00
				1		9 #3 @ 15 cm (ctr)	1 (h)	Bot	25	11.72	5.33	8.02	0.0100	20.00
F-9	1	4.85	4.53	1	40x50	10 #3 @ 8 cm (end)	2 (b)	Top	26	21.00	1.36	12.56	0.0100	20.00
				1		20 #3 @ 15 cm (ctr)	1 (h)	Bot	26	21.00	1.33	12.16	0.0100	20.00
E-9	5	2.70	2.30	1	40x50	7 #3 @ 8 cm (end)	2 (b)	Top	1	6.23	1.26	0.17	0.0100	20.00
				1		8 #3 @ 15 cm (ctr)	1 (h)	Bot	1	6.23	2.06	0.17	0.0100	20.00
E-9	3-4	2.80	2.40	1	40x50	7 #3 @ 8 cm (end)	2 (b)	Top	21	16.23	5.87	7.98	0.0100	20.00
				1		9 #3 @ 15 cm (ctr)	1 (h)	Bot	21	16.23	4.56	6.51	0.0100	20.00
E-9	2	2.80	2.40	1	40x50	7 #3 @ 8 cm (end)	2 (b)	Top	25	17.36	3.17	10.21	0.0100	20.00
				1		9 #3 @ 15 cm (ctr)	1 (h)	Bot	25	17.36	3.98	9.06	0.0100	20.00
E-9	1	4.85	4.53	1	40x50	10 #3 @ 8 cm (end)	2 (b)	Top	25	22.60	2.22	11.18	0.0100	20.00
				1		20 #3 @ 15 cm (ctr)	1 (h)	Bot	25	22.60	2.07	11.58	0.0100	20.00
D-9	5	2.70	2.30	1	40x50	7 #3 @ 8 cm (end)	2 (b)	Top	22	5.71	1.58	4.52	0.0100	20.00
				1		8 #3 @ 15 cm (ctr)	1 (h)	Bot	22	5.71	2.41	4.29	0.0100	20.00
D-9	3-4	2.80	2.40	1	40x50	7 #3 @ 8 cm (end)	2 (b)	Top	22	16.37	3.31	8.27	0.0100	20.00
				1		9 #3 @ 15 cm (ctr)	1 (h)	Bot	22	16.37	2.95	7.07	0.0100	20.00
D-9	2	2.80	2.40	1	40x50	7 #3 @ 8 cm (end)	2 (b)	Top	26	18.51	1.93	11.66	0.0100	20.00
				1		9 #3 @ 15 cm (ctr)	1 (h)	Bot	26	18.51	2.55	10.60	0.0100	20.00
D-9	1	4.85	4.53	1	40x50	10 #3 @ 8 cm (end)	2 (b)	Top	26	24.04	1.25	11.55	0.0100	20.00
				1		20 #3 @ 15 cm (ctr)	1 (h)	Bot	26	24.04	0.73	11.70	0.0100	20.00
B-9	5	2.70	2.30	1	40x50	7 #3 @ 8 cm (end)	2 (b)	Top	1	6.56	1.89	0.59	0.0100	20.00
				1		8 #3 @ 15 cm (ctr)	1 (h)	Bot	1	6.56	1.95	0.36	0.0100	20.00

Company: AC INGENIERIA Engineer: ALVARO CABALLERO
Project: CASA CORREGIDOR - SOGAMOSO BLOQUE NUEVO 4:20:16 p. m. 4/05/2022

Column	Story	L	Lu	Sec	bxh	TIES	XTIES	Sec	LdCmb	Pu	Mu2	Mu3	RHO	As
B-9	4	1.00	0.60	1	40x50	7 #3 @ 8 cm	2 (b)	Top	1	13.68	0.84	1.97	0.0100	20.00
				1		---	1 (h)	Bot	1	13.68	0.41	0.89	0.0100	20.00
B-9	3	1.80	1.40	1	40x50	17 #3 @ 8 cm	2 (b)	Top	26	15.59	1.81	7.29	0.0100	20.00
				1		---	1 (h)	Bot	1	19.38	0.59	1.44	0.0100	20.00
B-9	2	2.80	2.40	1	40x50	7 #3 @ 8 cm (end)	2 (b)	Top	21	26.36	1.04	7.76	0.0100	20.00
				1		9 #3 @ 15 cm (ctr)	1 (h)	Bot	25	18.38	0.56	8.86	0.0100	20.00
B-9	1	4.85	4.53	1	40x50	10 #3 @ 8 cm (end)	2 (b)	Top	25	23.09	0.70	12.41	0.0100	20.00
				1		20 #3 @ 15 cm (ctr)	1 (h)	Bot	25	23.09	0.70	12.12	0.0100	20.00
A-9	4-5	3.70	3.30	1	40x50	8 #3 @ 8 cm (end)	2 (b)	Top	1	4.15	0.92	0.62	0.0100	20.00
				1		14 #3 @ 15 cm (ctr)	1 (h)	Bot	1	4.77	0.83	0.97	0.0100	20.00
A-9	2-3	4.60	4.20	1	40x50	10 #3 @ 8 cm (end)	2 (b)	Top	21	17.55	1.48	7.22	0.0100	20.00
				1		18 #3 @ 15 cm (ctr)	1 (h)	Bot	1	13.27	0.59	1.12	0.0100	20.00
A-9	1	4.85	4.53	1	40x50	10 #3 @ 8 cm (end)	2 (b)	Top	26	2.15	1.34	9.03	0.0100	20.00
				1		20 #3 @ 15 cm (ctr)	1 (h)	Bot	26	2.15	2.30	10.56	0.0100	20.00
G-8	5	2.70	2.30	2	40x40	6 #3 @ 9 cm (end)	2 (b)	Top	2	5.72	4.91	1.41	0.0100	16.00
				1		9 #3 @ 15 cm (ctr)	2 (h)	Bot	1	5.50	1.59	0.83	0.0100	16.00
G-8	3-4	2.80	2.40	2	40x40	6 #3 @ 9 cm (end)	2 (b)	Top	25	2.44	1.55	2.89	0.0100	16.00
				1		9 #3 @ 15 cm (ctr)	2 (h)	Bot	1	8.29	0.23	0.58	0.0100	16.00
G-8	2	2.80	2.40	2	40x40	6 #3 @ 9 cm (end)	2 (b)	Top	25	0.73	0.06	3.51	0.0100	16.00
				1		9 #3 @ 15 cm (ctr)	2 (h)	Bot	1	10.98	0.56	0.88	0.0100	16.00
G-8	1	4.85	4.53	2	40x40	9 #3 @ 9 cm (end)	2 (b)	Top	25	2.20	1.32	6.69	0.0100	16.00
				1		20 #3 @ 15 cm (ctr)	2 (h)	Bot	25	2.20	2.26	7.59	0.0100	16.00
F-8	5	2.70	2.30	1	40x50	7 #3 @ 8 cm (end)	2 (b)	Top	2	19.06	13.85	1.74	0.0100	20.00
				1		8 #3 @ 15 cm (ctr)	1 (h)	Bot	1	15.35	0.67	1.26	0.0100	20.00
F-8	3-4	2.80	2.40	1	40x50	7 #3 @ 8 cm (end)	2 (b)	Top	22	25.06	6.00	7.04	0.0100	20.00
				1		9 #3 @ 15 cm (ctr)	1 (h)	Bot	1	25.43	1.74	1.33	0.0100	20.00
F-8	2	2.80	2.40	1	40x50	7 #3 @ 8 cm (end)	2 (b)	Top	26	23.60	4.06	7.74	0.0100	20.00
				1		9 #3 @ 15 cm (ctr)	1 (h)	Bot	22	34.68	4.33	7.15	0.0100	20.00
F-8	1	4.85	4.53	1	40x50	10 #3 @ 8 cm (end)	2 (b)	Top	26	35.03	1.06	10.29	0.0100	20.00
				1		20 #3 @ 15 cm (ctr)	1 (h)	Bot	26	35.03	2.41	10.36	0.0100	20.00
E-8	5	2.70	2.30	5	C50	6 #4 @ 11 cm (end)	--	Top	2	13.73	7.46	1.39	0.0100	19.63
				1		7 #4 @ 15 cm (ctr)	--	Bot	1	11.69	1.08	1.08	0.0100	19.63
E-8	3-4	2.80	2.40	5	C50	6 #4 @ 11 cm (end)	--	Top	1	31.23	0.94	0.94	0.0100	19.63
				1		8 #4 @ 15 cm (ctr)	--	Bot	1	31.23	0.94	0.94	0.0100	19.63
E-8	2	2.80	2.40	5	C50	6 #4 @ 11 cm (end)	--	Top	1	50.25	1.52	1.52	0.0100	19.63
				1		8 #4 @ 15 cm (ctr)	--	Bot	1	50.25	1.52	1.52	0.0100	19.63
E-8	1	4.85	4.53	5	C50	8 #4 @ 11 cm (end)	--	Top	25	35.43	1.07	11.82	0.0100	19.63
				1		19 #4 @ 15 cm (ctr)	--	Bot	25	35.43	1.07	11.89	0.0100	19.63
D-8	5	2.70	2.30	5	C50	6 #4 @ 11 cm (end)	--	Top	19	6.64	5.57	0.20	0.0100	19.63
				1		7 #4 @ 15 cm (ctr)	--	Bot	19	6.64	6.64	0.20	0.0100	19.63
D-8	3-4	2.80	2.40	5	C50	6 #4 @ 11 cm (end)	--	Top	19	17.62	8.29	0.95	0.0100	19.63
				1		8 #4 @ 15 cm (ctr)	--	Bot	23	10.28	7.57	0.38	0.0100	19.63
D-8	2	2.80	2.40	5	C50	6 #4 @ 11 cm (end)	--	Top	26	25.20	1.13	9.54	0.0100	19.63
				1		8 #4 @ 15 cm (ctr)	--	Bot	23	14.79	7.73	0.58	0.0100	19.63
D-8	1	4.85	4.53	5	C50	8 #4 @ 11 cm (end)	--	Top	26	35.85	1.08	12.26	0.0100	19.63
				1		19 #4 @ 15 cm (ctr)	--	Bot	26	35.85	1.08	12.10	0.0100	19.63
B-8	5	2.70	2.30	1	40x50	7 #3 @ 8 cm (end)	2 (b)	Top	1	8.97	1.27	1.32	0.0100	20.00
				1		8 #3 @ 15 cm (ctr)	1 (h)	Bot	20	8.29	4.36	3.26	0.0100	20.00
B-8	4	1.00	0.60	1	40x50	7 #3 @ 8 cm	2 (b)	Top	1	19.18	1.46	1.91	0.0100	20.00
				1		---	1 (h)	Bot	1	19.18	0.58	1.86	0.0100	20.00
B-8	3	1.80	1.40	1	40x50	17 #3 @ 8 cm	2 (b)	Top	1	27.95	1.67	0.76	0.0100	20.00
				1		---	1 (h)	Bot	1	27.95	1.04	1.52	0.0100	20.00
B-8	2	2.80	2.40	1	40x50	7 #3 @ 8 cm (end)	2 (b)	Top	1	40.01	1.93	1.52	0.0100	20.00
				1		9 #3 @ 15 cm (ctr)	1 (h)	Bot	1	40.01	1.21	1.45	0.0100	20.00
B-8	1	4.85	4.53	1	40x50	10 #3 @ 8 cm (end)	2 (b)	Top	25	42.80	1.68	11.54	0.0100	20.00
				1		20 #3 @ 15 cm (ctr)	1 (h)	Bot	26	34.40	1.04	10.55	0.0100	20.00
A-8	4-5	3.70	3.30	1	40x50	8 #3 @ 8 cm (end)	2 (b)	Top	20	7.76	6.51	1.03	0.0100	20.00
				1		14 #3 @ 15 cm (ctr)	1 (h)	Bot	1	9.96	1.97	1.26	0.0100	20.00
A-8	2-3	4.60	4.20	1	40x50	10 #3 @ 8 cm (end)	2 (b)	Top	1	21.55	0.65	1.34	0.0100	20.00
				1		18 #3 @ 15 cm (ctr)	1 (h)	Bot	1	21.55	0.91	1.24	0.0100	20.00
A-8	1	4.85	4.53	1	40x50	10 #3 @ 8 cm (end)	2 (b)	Top	26	8.03	1.71	8.19	0.0100	20.00
				1		20 #3 @ 15 cm (ctr)	1 (h)	Bot	26	8.03	2.47	9.42	0.0100	20.00
D-7	5	2.70	2.32	5	C50	6 #4 @ 11 cm (end)	--	Top	1	7.63	0.57	3.01	0.0100	19.63
				1		7 #4 @ 15 cm (ctr)	--	Bot	1	7.63	0.67	1.49	0.0100	19.63
D-7	3-4	2.80	2.40	5	C50	6 #4 @ 11 cm (end)	--	Top	20	12.83	7.65	0.78	0.0100	19.63
				1		8 #4 @ 15 cm (ctr)	--	Bot	20	12.83	7.65	0.91	0.0100	19.63
D-7	2	2.80	2.40	5	C50	6 #4 @ 11 cm (end)	--	Top	1	33.80	1.10	1.02	0.0100	19.63
				1		8 #4 @ 15 cm (ctr)	--	Bot	1	33.80	1.02	1.02	0.0100	19.63

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Column	Story	L	Lu	Sec	bxh	TIES	XTIES	Sec	LdCmb	Pu	Mu2	Mu3	RHO	As
D-7	1	4.85	4.53	5	C50	8 #4 @ 11 cm (end)	--	Top	25	7.18	0.46	9.55	0.0100	19.63
				1		19 #4 @ 15 cm (ctr)	--	Bot	25	7.18	0.22	10.46	0.0100	19.63
C-7	5	2.70	2.32	5	C50	6 #4 @ 11 cm (end)	--	Top	1	7.12	0.44	1.89	0.0100	19.63
				1		7 #4 @ 15 cm (ctr)	--	Bot	1	7.12	0.54	0.78	0.0100	19.63
C-7	3-4	2.80	2.40	5	C50	6 #4 @ 11 cm (end)	--	Top	1	18.01	1.88	0.54	0.0100	19.63
				1		8 #4 @ 15 cm (ctr)	--	Bot	1	18.01	1.92	0.55	0.0100	19.63
C-7	2	2.80	2.40	5	C50	6 #4 @ 11 cm (end)	--	Top	26	10.55	0.60	6.47	0.0100	19.63
				1		8 #4 @ 15 cm (ctr)	--	Bot	1	28.95	0.88	0.93	0.0100	19.63
C-7	1	4.85	4.53	5	C50	8 #4 @ 11 cm (end)	--	Top	26	4.62	0.51	10.66	0.0100	19.63
				1		19 #4 @ 15 cm (ctr)	--	Bot	26	4.62	0.25	11.00	0.0100	19.63
G-5a	1	4.85	4.53	2	40x40	9 #3 @ 9 cm (end)	2 (b)	Top	20	10.37	7.08	0.82	0.0100	16.00
				1		20 #3 @ 15 cm (ctr)	2 (h)	Bot	20	10.37	5.57	0.71	0.0100	16.00
F-5a	1	4.85	4.53	4	C40	9 #4 @ 10 cm (end)	--	Top	20	14.28	6.58	0.73	0.0100	12.57
				1		19 #4 @ 15 cm (ctr)	--	Bot	20	14.28	4.75	0.56	0.0100	12.57
G-5	1	4.85	4.53	2	40x40	9 #3 @ 9 cm (end)	2 (b)	Top	19	10.35	7.09	0.60	0.0100	16.00
				1		20 #3 @ 15 cm (ctr)	2 (h)	Bot	19	10.35	5.57	0.58	0.0100	16.00
F-5	1	4.85	4.53	4	C40	9 #4 @ 10 cm (end)	--	Top	19	14.00	6.57	0.73	0.0100	12.57
				1		19 #4 @ 15 cm (ctr)	--	Bot	19	14.00	4.73	0.55	0.0100	12.57
D-4	5	2.70	2.32	5	C50	6 #4 @ 11 cm (end)	--	Top	19	-0.08	6.42	1.48	0.0100	19.63
				1		7 #4 @ 15 cm (ctr)	--	Bot	19	-0.08	8.01	0.38	0.0100	19.63
D-4	3-4	2.80	2.40	5	C50	6 #4 @ 11 cm (end)	--	Top	19	2.65	10.92	1.71	0.0100	19.63
				1		8 #4 @ 15 cm (ctr)	--	Bot	19	2.65	10.22	1.68	0.0100	19.63
D-4	2	2.80	2.40	5	C50	6 #4 @ 11 cm (end)	--	Top	23	-7.79	11.06	0.29	0.0100	19.63
				1		8 #4 @ 15 cm (ctr)	--	Bot	23	-7.79	11.51	0.10	0.0100	19.63
D-4	1	4.85	4.53	5	C50	8 #4 @ 11 cm (end)	--	Top	23	-14.45	3.81	0.97	0.0100	19.63
				1		19 #4 @ 15 cm (ctr)	--	Bot	23	-14.45	4.05	0.79	0.0100	19.63
C-4	5	2.70	2.32	5	C50	6 #4 @ 11 cm (end)	--	Top	1	5.96	0.60	1.91	0.0100	19.63
				1		7 #4 @ 15 cm (ctr)	--	Bot	1	5.96	1.63	0.79	0.0100	19.63
C-4	3-4	2.80	2.40	5	C50	6 #4 @ 11 cm (end)	--	Top	19	6.89	6.75	0.26	0.0100	19.63
				1		8 #4 @ 15 cm (ctr)	--	Bot	19	6.89	6.09	0.21	0.0100	19.63
C-4	2	2.80	2.40	5	C50	6 #4 @ 11 cm (end)	--	Top	23	-3.64	8.17	0.88	0.0100	19.63
				1		8 #4 @ 15 cm (ctr)	--	Bot	23	-3.64	8.51	0.63	0.0100	19.63
C-4	1	4.85	4.53	5	C50	8 #4 @ 11 cm (end)	--	Top	1	38.62	1.17	1.17	0.0100	19.63
				1		19 #4 @ 15 cm (ctr)	--	Bot	23	-7.52	3.25	0.79	0.0100	19.63
G-3	5	2.70	2.30	2	40x40	6 #3 @ 9 cm (end)	2 (b)	Top	2	5.76	4.96	1.18	0.0100	16.00
				1		9 #3 @ 15 cm (ctr)	2 (h)	Bot	1	5.49	1.41	0.73	0.0100	16.00
G-3	3-4	2.80	2.40	2	40x40	6 #3 @ 9 cm (end)	2 (b)	Top	1	8.25	1.14	0.62	0.0100	16.00
				1		9 #3 @ 15 cm (ctr)	2 (h)	Bot	1	8.25	0.22	0.59	0.0100	16.00
G-3	2	2.80	2.40	2	40x40	6 #3 @ 9 cm (end)	2 (b)	Top	25	0.59	0.39	3.15	0.0100	16.00
				1		9 #3 @ 15 cm (ctr)	2 (h)	Bot	25	0.59	0.43	3.22	0.0100	16.00
G-3	1	4.85	4.53	2	40x40	9 #3 @ 9 cm (end)	2 (b)	Top	25	5.70	3.53	1.52	0.0100	16.00
				1		20 #3 @ 15 cm (ctr)	2 (h)	Bot	25	5.70	3.66	2.37	0.0100	16.00
F-3	5	2.70	2.30	1	40x50	7 #3 @ 8 cm (end)	2 (b)	Top	2	18.70	13.10	1.67	0.0100	20.00
				1		8 #3 @ 15 cm (ctr)	1 (h)	Bot	1	15.05	0.69	1.22	0.0100	20.00
F-3	3-4	2.80	2.40	1	40x50	7 #3 @ 8 cm (end)	2 (b)	Top	1	25.09	3.80	1.34	0.0100	20.00
				1		9 #3 @ 15 cm (ctr)	1 (h)	Bot	1	25.09	2.16	1.30	0.0100	20.00
F-3	2	2.80	2.40	1	40x50	7 #3 @ 8 cm (end)	2 (b)	Top	26	18.48	1.54	6.69	0.0100	20.00
				1		9 #3 @ 15 cm (ctr)	1 (h)	Bot	22	29.53	0.89	7.50	0.0100	20.00
F-3	1	4.85	4.53	1	40x50	10 #3 @ 8 cm (end)	2 (b)	Top	1	56.10	1.70	1.53	0.0100	20.00
				1		20 #3 @ 15 cm (ctr)	1 (h)	Bot	1	56.10	1.70	1.53	0.0100	20.00
E-3	5	2.70	2.30	1	40x50	7 #3 @ 8 cm (end)	2 (b)	Top	19	8.90	8.18	2.35	0.0100	20.00
				1		8 #3 @ 15 cm (ctr)	1 (h)	Bot	21	8.67	1.07	5.72	0.0100	20.00
E-3	3-4	2.80	2.40	1	40x50	7 #3 @ 8 cm (end)	2 (b)	Top	1	29.99	1.33	1.11	0.0100	20.00
				1		9 #3 @ 15 cm (ctr)	1 (h)	Bot	1	29.99	0.91	1.11	0.0100	20.00
E-3	2	2.80	2.40	1	40x50	7 #3 @ 8 cm (end)	2 (b)	Top	25	24.37	1.69	7.73	0.0100	20.00
				1		9 #3 @ 15 cm (ctr)	1 (h)	Bot	25	24.37	1.47	8.12	0.0100	20.00
E-3	1	4.85	4.53	1	40x50	10 #3 @ 8 cm (end)	2 (b)	Top	1	69.55	2.10	1.89	0.0100	20.00
				1		20 #3 @ 15 cm (ctr)	1 (h)	Bot	1	69.55	2.10	1.89	0.0100	20.00
D-3	5	2.70	2.30	1	40x50	7 #3 @ 8 cm (end)	2 (b)	Top	24	-7.10	4.08	0.25	0.0100	20.00
				1		8 #3 @ 15 cm (ctr)	1 (h)	Bot	20	-4.79	4.62	0.70	0.0100	20.00
D-3	4	1.00	0.68	1	40x50	8 #3 @ 8 cm	2 (b)	Top	24	-17.02	10.16	0.07	0.0100	20.00
				1		---	1 (h)	Bot	24	-17.02	5.82	0.02	0.0100	20.00
D-3	3	1.80	1.73	1	40x50	7 #3 @ 8 cm (end)	2 (b)	Top	24	-6.08	6.49	0.00	0.0100	20.00
				1		4 #3 @ 15 cm (ctr)	1 (h)	Bot	24	-6.08	8.93	0.30	0.0100	20.00
D-3	2	2.80	2.40	1	40x50	7 #3 @ 8 cm (end)	2 (b)	Top	24	11.84	11.93	0.93	0.0100	20.00
				1		9 #3 @ 15 cm (ctr)	1 (h)	Bot	23	13.39	12.27	2.59	0.0100	20.00

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Column	Story	L	Lu	Sec	bxh	TIES	XTIES	Sec	LdCmb	Pu	Mu2	Mu3	RHO	As
D-3	1	4.85	4.53	1	40x50	10 #3 @ 8 cm (end)	2 (b)	Top	23	-51.77	4.11	0.83	0.0100	20.00
				1		20 #3 @ 15 cm (ctr)	1 (h)	Bot	23	-51.77	5.01	0.24	0.0105	20.95
B-3	5	2.70	2.30	1	40x50	7 #3 @ 8 cm (end)	2 (b)	Top	22	4.05	0.13	4.70	0.0100	20.00
				1		8 #3 @ 15 cm (ctr)	1 (h)	Bot	26	2.19	0.73	3.95	0.0100	20.00
B-3	4	1.00	0.60	1	40x50	7 #3 @ 8 cm	2 (b)	Top	22	2.31	3.19	4.05	0.0100	20.00
				1		---	1 (h)	Bot	1	12.42	0.38	0.82	0.0100	20.00
B-3	3	1.80	1.40	1	40x50	17 #3 @ 8 cm	2 (b)	Top	26	9.18	0.28	5.91	0.0100	20.00
				1		---	1 (h)	Bot	1	22.42	1.06	0.61	0.0100	20.00
B-3	2	2.80	2.40	1	40x50	7 #3 @ 8 cm (end)	2 (b)	Top	26	4.51	3.56	5.93	0.0100	20.00
				1		9 #3 @ 15 cm (ctr)	1 (h)	Bot	26	4.51	2.97	8.24	0.0100	20.00
B-3	1	4.85	4.53	1	40x50	10 #3 @ 8 cm (end)	2 (b)	Top	1	44.71	1.35	1.22	0.0100	20.00
				1		20 #3 @ 15 cm (ctr)	1 (h)	Bot	1	44.71	1.35	1.22	0.0100	20.00
A-3	4-5	3.70	3.30	1	40x50	8 #3 @ 8 cm (end)	2 (b)	Top	1	9.47	3.27	0.84	0.0100	20.00
				1		14 #3 @ 15 cm (ctr)	1 (h)	Bot	1	10.09	1.55	1.08	0.0100	20.00
A-3	2-3	4.60	4.20	1	40x50	10 #3 @ 8 cm (end)	2 (b)	Top	1	21.96	0.66	1.08	0.0100	20.00
				1		18 #3 @ 15 cm (ctr)	1 (h)	Bot	1	21.96	0.66	1.22	0.0100	20.00
A-3	1	4.85	4.53	1	40x50	10 #3 @ 8 cm (end)	2 (b)	Top	1	34.26	1.04	0.93	0.0100	20.00
				1		20 #3 @ 15 cm (ctr)	1 (h)	Bot	1	34.26	1.04	0.93	0.0100	20.00
G-1	1	4.85	4.53	2	40x40	9 #3 @ 9 cm (end)	2 (b)	Top	22	9.46	4.72	2.51	0.0100	16.00
				1		20 #3 @ 15 cm (ctr)	2 (h)	Bot	19	8.39	5.48	0.35	0.0100	16.00
F-1	5	2.70	2.30	1	40x50	7 #3 @ 8 cm (end)	2 (b)	Top	1	4.20	0.13	1.08	0.0100	20.00
				1		8 #3 @ 15 cm (ctr)	1 (h)	Bot	1	4.20	0.71	1.10	0.0100	20.00
F-1	3-4	2.80	2.40	1	40x50	7 #3 @ 8 cm (end)	2 (b)	Top	1	13.56	3.46	0.49	0.0100	20.00
				1		9 #3 @ 15 cm (ctr)	1 (h)	Bot	1	13.56	2.43	0.53	0.0100	20.00
F-1	2	2.80	2.40	1	40x50	7 #3 @ 8 cm (end)	2 (b)	Top	1	22.70	1.66	0.90	0.0100	20.00
				1		9 #3 @ 15 cm (ctr)	1 (h)	Bot	1	22.70	3.43	0.85	0.0100	20.00
F-1	1	4.85	4.53	1	40x50	10 #3 @ 8 cm (end)	2 (b)	Top	1	37.13	2.55	1.01	0.0100	20.00
				1		20 #3 @ 15 cm (ctr)	1 (h)	Bot	1	37.13	1.41	1.01	0.0100	20.00
E-1	5	2.70	2.30	1	40x50	7 #3 @ 8 cm (end)	2 (b)	Top	1	5.83	1.18	0.45	0.0100	20.00
				1		8 #3 @ 15 cm (ctr)	1 (h)	Bot	21	4.57	2.93	3.64	0.0100	20.00
E-1	3-4	2.80	2.40	1	40x50	7 #3 @ 8 cm (end)	2 (b)	Top	21	14.98	4.05	4.79	0.0100	20.00
				1		9 #3 @ 15 cm (ctr)	1 (h)	Bot	21	14.98	4.28	4.57	0.0100	20.00
E-1	2	2.80	2.40	1	40x50	7 #3 @ 8 cm (end)	2 (b)	Top	1	30.99	2.85	0.84	0.0100	20.00
				1		9 #3 @ 15 cm (ctr)	1 (h)	Bot	1	30.99	3.91	0.84	0.0100	20.00
E-1	1	4.85	4.53	1	40x50	10 #3 @ 8 cm (end)	2 (b)	Top	1	45.04	2.24	1.23	0.0100	20.00
				1		20 #3 @ 15 cm (ctr)	1 (h)	Bot	1	45.04	1.36	1.23	0.0100	20.00
D-1	5	2.70	2.30	1	40x50	7 #3 @ 8 cm (end)	2 (b)	Top	20	1.38	4.83	1.01	0.0100	20.00
				1		8 #3 @ 15 cm (ctr)	1 (h)	Bot	1	5.18	0.16	0.40	0.0100	20.00
D-1	3-4	2.80	2.40	1	40x50	7 #3 @ 8 cm (end)	2 (b)	Top	1	13.94	0.80	0.38	0.0100	20.00
				1		9 #3 @ 15 cm (ctr)	1 (h)	Bot	1	13.94	0.63	0.38	0.0100	20.00
D-1	2	2.80	2.40	1	40x50	7 #3 @ 8 cm (end)	2 (b)	Top	24	2.01	6.19	0.49	0.0100	20.00
				1		9 #3 @ 15 cm (ctr)	1 (h)	Bot	24	2.01	7.10	0.62	0.0100	20.00
D-1	1	4.85	4.53	1	40x50	10 #3 @ 8 cm (end)	2 (b)	Top	1	33.32	1.01	0.91	0.0100	20.00
				1		20 #3 @ 15 cm (ctr)	1 (h)	Bot	1	33.32	1.01	0.91	0.0100	20.00
B-1	5	2.70	2.30	1	40x50	7 #3 @ 8 cm (end)	2 (b)	Top	1	5.80	1.37	0.34	0.0100	20.00
				1		8 #3 @ 15 cm (ctr)	1 (h)	Bot	1	5.80	1.51	0.16	0.0100	20.00
B-1	4	1.00	0.60	1	40x50	7 #3 @ 8 cm	2 (b)	Top	1	11.70	0.63	1.40	0.0100	20.00
				1		---	1 (h)	Bot	1	11.70	0.35	0.60	0.0100	20.00
B-1	3	1.80	1.40	1	40x50	17 #3 @ 8 cm	2 (b)	Top	1	17.12	0.81	0.61	0.0100	20.00
				1		---	1 (h)	Bot	1	17.12	0.52	1.11	0.0100	20.00
B-1	2	2.80	2.40	1	40x50	7 #3 @ 8 cm (end)	2 (b)	Top	1	23.05	0.70	1.10	0.0100	20.00
				1		9 #3 @ 15 cm (ctr)	1 (h)	Bot	1	23.05	1.29	0.63	0.0100	20.00
B-1	1	4.85	4.53	1	40x50	10 #3 @ 8 cm (end)	2 (b)	Top	1	35.23	1.07	0.96	0.0100	20.00
				1		20 #3 @ 15 cm (ctr)	1 (h)	Bot	1	35.23	1.07	0.96	0.0100	20.00
A-1	4-5	3.70	3.30	1	40x50	8 #3 @ 8 cm (end)	2 (b)	Top	1	4.27	0.83	0.69	0.0100	20.00
				1		14 #3 @ 15 cm (ctr)	1 (h)	Bot	1	4.89	0.78	0.99	0.0100	20.00
A-1	2-3	4.60	4.20	1	40x50	10 #3 @ 8 cm (end)	2 (b)	Top	1	13.23	0.56	1.10	0.0100	20.00
				1		18 #3 @ 15 cm (ctr)	1 (h)	Bot	1	13.23	0.59	1.06	0.0100	20.00
A-1	1	4.85	4.53	1	40x50	10 #3 @ 8 cm (end)	2 (b)	Top	1	21.21	0.64	0.68	0.0100	20.00
				1		20 #3 @ 15 cm (ctr)	1 (h)	Bot	1	21.21	0.64	0.58	0.0100	20.00

BEAM SECTIONS

Number of prismatic sections = 6

Sec	Name	Shape	b (cm)	h (cm)	tw (cm)	tf (cm)	P1 (cm)	P2 (cm)	A (cm2)	I2 (cm4)	I3 (cm4)	J (cm4)
1	40X40	Rectang	40.00	40.00	-	-	-	-	1600.0	213333	213333	315733
2	25X40	Rectang	25.00	40.00	-	-	-	-	1000.0	133333	52083	126302
3	30X40	Rectang	30.00	40.00	-	-	-	-	1200.0	160000	90000	189900
4	IPE-360	I	17.00	36.00	0.80	1.27	0.00	-	70.0	15524	1041	29
5	IPE-330	I	16.00	33.00	0.75	1.15	0.00	-	59.8	11145	786	21
6	IPE-400	I	18.00	40.00	0.86	1.35	0.00	-	80.7	21876	1314	37

Design Results - Beams (DES)

BEAM: A(1-3) FLOOR: 2

Length: L = 5.14 m a = 0.25 m Section: b = 40.0 cm Sec: 40X40
Lu = 4.64 m c = 0.25 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.25	0.71	1.18	1.64	2.11	2.57	3.03	3.50	3.96	4.43	4.89
Mu(-), ton-m:	-4.81	-3.54	-2.41	-1.46	-1.46	-1.46	-1.46	-1.70	-2.95	-4.33	-5.83
Mu(+), ton-m:	3.76	3.26	2.72	2.09	1.46	1.46	1.46	1.74	2.29	2.76	3.15
As(-), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.70
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	3.68	3.62	3.37	3.11	2.90	3.13	3.38	3.64	3.89	4.14	4.21
Tu, ton-m:	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	8.00	8.00

DESIGN

A-1 11 #3 @ 8 17 #3 @ 17 11 #3 @ 8 A-3

BEAM: A(3-4) FLOOR: 2

Length: L = 2.10 m a = 0.25 m Section: b = 40.0 cm Sec: 40X40
Lu = 1.85 m c = 0.00 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.25	0.44	0.62	0.81	0.99	1.18	1.36	1.55	1.73	1.92	2.10
Mu(-), ton-m:	-3.90	-3.15	-2.49	-1.91	-1.42	-0.99	-0.64	-0.37	-0.17	-0.05	0.00
Mu(+), ton-m:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
As(-), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	3.43	3.43	3.36	2.94	2.52	2.10	1.68	1.26	0.84	0.42	0.00
Tu, ton-m:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00

DESIGN

A-3 13 #3 @ 15 A-4

BEAM: A(7-8) FLOOR: 2

Length: L = 2.10 m a = 0.00 m Section: b = 40.0 cm Sec: 40X40
Lu = 1.85 m c = 0.25 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.00	0.19	0.37	0.56	0.74	0.93	1.11	1.30	1.48	1.67	1.85
Mu(-), ton-m:	0.00	-0.05	-0.18	-0.39	-0.68	-1.04	-1.49	-2.01	-2.62	-3.31	-4.10
Mu(+), ton-m:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
As(-), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	0.00	0.44	0.88	1.32	1.76	2.21	2.65	3.09	3.53	3.60	3.60
Tu, ton-m:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00

DESIGN

A-7 13 #3 @ 15 A-8

BEAM: A(8-9) FLOOR: 2

Length: L = 4.79 m a = 0.25 m Section: b = 40.0 cm Sec: 40X40
Lu = 4.29 m c = 0.25 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.25	0.68	1.11	1.54	1.97	2.40	2.82	3.25	3.68	4.11	4.54
Mu(-), ton-m:	-5.65	-4.31	-3.04	-1.86	-1.41	-1.41	-1.41	-1.74	-2.84	-4.03	-5.31
Mu(+), ton-m:	3.96	3.33	2.64	1.90	1.41	1.41	1.41	1.99	2.77	3.50	4.16
As(-), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	4.02	3.98	3.80	3.63	3.45	3.27	3.26	3.44	3.61	3.79	3.83
Tu, ton-m:	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	8.00	8.00

DESIGN

A-8 11 #3 @ 8 15 #3 @ 17 11 #3 @ 8 A-9

BEAM: B(1-3) FLOOR: 2

Length: L = 5.08 m a = 0.25 m Section: b = 40.0 cm Sec: 40X40
Lu = 4.58 m c = 0.25 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.25	0.71	1.17	1.62	2.08	2.54	3.00	3.46	3.91	4.37	4.83
Mu(-), ton-m:	-5.67	-3.80	-2.25	-1.68	-1.68	-1.68	-1.68	-1.68	-2.78	-4.62	-6.73
Mu(+), ton-m:	2.86	2.83	2.69	2.47	2.01	1.68	1.69	1.92	2.10	2.16	3.37
As(-), cm2:	4.57	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	5.46
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	5.08	4.93	4.36	3.78	3.20	3.20	3.78	4.36	4.94	5.52	5.67
Tu, ton-m:	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	8.00	8.00

DESIGN

B-1 11 #3 @ 8 16 #3 @ 17 11 #3 @ 8 B-3

BEAM: B(3-4) FLOOR: 2

Length: L = 2.10 m a = 0.25 m Section: b = 40.0 cm Sec: 40X40
Lu = 1.73 m c = 0.13 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.25	0.42	0.60	0.77	0.94	1.11	1.29	1.46	1.63	1.80	1.98
Mu(-), ton-m:	-5.16	-4.35	-3.62	-2.96	-2.36	-1.82	-1.33	-1.29	-1.29	-1.29	-1.29
Mu(+), ton-m:	2.58	1.29	1.29	1.29	1.29	1.29	1.29	1.29	1.29	1.29	1.29
As(-), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	7.26	7.26	7.25	6.87	6.50	6.12	5.75	5.37	4.99	4.98	4.98
Tu, ton-m:	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	8.00	8.00	17.00	8.00	8.00	8.00	8.00	8.00

DESIGN

B-3 22 #3 @ 8 B-4

BEAM: B(7-8) FLOOR: 2

Length: L = 2.10 m a = 0.13 m Section: b = 40.0 cm Sec: 40X40
Lu = 1.73 m c = 0.25 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.13	0.30	0.47	0.64	0.82	0.99	1.16	1.33	1.51	1.68	1.85
Mu(-), ton-m:	-1.17	-1.17	-1.17	-1.17	-1.17	-1.52	-2.02	-2.59	-3.22	-3.91	-4.69
Mu(+), ton-m:	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	2.34
As(-), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	4.48	4.48	4.50	4.89	5.28	5.67	6.06	6.45	6.84	6.85	6.85
Tu, ton-m:	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	8.00	8.00	17.00	8.00	8.00	8.00	8.00	8.00

DESIGN

B-7 22 #3 @ 8 B-8

BEAM: B(8-9) FLOOR: 2

Length: L = 4.83 m a = 0.25 m Section: b = 40.0 cm Sec: 40X40
Lu = 4.33 m c = 0.25 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.25	0.68	1.12	1.55	1.98	2.42	2.85	3.28	3.71	4.15	4.58
Mu(-), ton-m:	-5.80	-4.02	-2.46	-1.45	-1.45	-1.45	-1.45	-1.45	-2.34	-3.79	-5.49
Mu(+), ton-m:	2.90	2.32	2.14	1.87	1.51	1.45	1.69	2.14	2.41	2.62	2.75
As(-), cm2:	4.67	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	4.91	4.80	4.32	3.83	3.34	2.85	3.12	3.60	4.09	4.58	4.69
Tu, ton-m:	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	8.00	8.00

DESIGN

B-8 11 #3 @ 8 15 #3 @ 17 11 #3 @ 8 B-9

BEAM: C(1-2) FLOOR: 2

Length: L = 3.13 m a = 0.20 m Section: b = 25.0 cm Sec: 25X40
Lu = 2.93 m c = 0.00 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.20	0.49	0.79	1.08	1.37	1.67	1.96	2.25	2.54	2.84	3.13
Mu(-), ton-m:	-0.99	-0.99	-0.99	-0.99	-0.99	-0.99	-0.99	-1.23	-1.98	-2.89	-3.94
Mu(+), ton-m:	0.99	0.99	1.10	1.36	1.52	1.55	1.45	1.23	1.01	0.99	1.97
As(-), cm2:	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	3.09
As(+), cm2:	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93
Vu, ton:	2.85	2.85	2.46	2.21	2.69	3.17	3.65	4.13	4.61	5.00	5.00
Tu, ton-m:	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	17.00	17.00	17.00	17.00	17.00	8.00	8.00	8.00

DESIGN

C-1 11 #3 @ 8 7 #3 @ 17 11 #3 @ 8 C-2

BEAM: C(2-3) FLOOR: 2

Length: L = 1.92 m a = 0.00 m Section: b = 25.0 cm Sec: 25X40
Lu = 1.92 m c = 0.00 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.00	0.19	0.38	0.58	0.77	0.96	1.15	1.34	1.54	1.73	1.92
Mu(-), ton-m:	-1.40	-1.09	-0.80	-0.51	-0.35	-0.35	-0.35	-0.46	-0.71	-0.98	-1.26
Mu(+), ton-m:	1.12	0.92	0.71	0.49	0.35	0.35	0.35	0.52	0.75	0.97	1.18
As(-), cm2:	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93
As(+), cm2:	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93
Vu, ton:	2.11	2.11	2.10	2.05	1.99	1.94	1.88	1.90	1.96	1.97	1.97
Tu, ton-m:	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	8.00	8.00	17.00	8.00	8.00	8.00	8.00	8.00

DESIGN

C-2 24 #3 @ 8 C-3

BEAM: C(3-4) FLOOR: 2

Length: L = 2.10 m a = 0.00 m Section: b = 25.0 cm Sec: 25X40
Lu = 1.85 m c = 0.25 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.00	0.19	0.37	0.55	0.74	0.93	1.11	1.30	1.48	1.67	1.85
Mu(-), ton-m:	-7.96	-6.21	-4.50	-2.86	-1.99	-1.99	-1.99	-2.79	-4.24	-5.72	-7.25
Mu(+), ton-m:	6.55	5.30	4.02	2.72	1.99	1.99	1.99	3.26	4.67	6.01	7.30
As(-), cm2:	6.51	4.98	3.55	2.93	2.93	2.93	2.93	2.93	3.33	4.57	5.87
As(+), cm2:	5.27	4.21	3.16	2.93	2.93	2.93	2.93	2.93	3.68	4.81	5.92
Vu, ton:	13.24	13.24	13.20	12.89	12.59	12.28	11.97	11.66	11.57	11.60	11.60
Tu, ton-m:	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00

DESIGN

C-3 23 #3 @ 8 C-4

BEAM: C(4-4a) FLOOR: 2

Length: L = 1.00 m a = 0.25 m Section: b = 40.0 cm Sec: 40X40
Lu = 0.75 m c = 0.00 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.25	0.33	0.40	0.48	0.55	0.62	0.70	0.77	0.85	0.92	1.00
Mu(-), ton-m:	-0.57	-0.46	-0.36	-0.28	-0.21	-0.14	-0.09	-0.05	-0.03	-0.01	0.00
Mu(+), ton-m:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
As(-), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	0.82	0.82	0.82	0.82	0.82	0.75	0.60	0.45	0.30	0.15	0.00
Tu, ton-m:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00

DESIGN

C-4 6 #3 @ 15 C-4a

BEAM: C(7-8) FLOOR: 2

Length: L = 2.10 m a = 0.25 m Section: b = 30.0 cm Sec: 30X40
Lu = 1.65 m c = 0.20 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.25	0.42	0.58	0.75	0.91	1.08	1.24	1.41	1.57	1.74	1.90
Mu(-), ton-m:	-3.78	-3.48	-3.25	-3.05	-2.89	-2.77	-2.70	-2.68	-2.69	-2.87	-3.33
Mu(+), ton-m:	2.74	2.40	2.03	1.63	1.21	0.94	0.94	0.94	0.94	0.94	1.66
As(-), cm2:	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52
As(+), cm2:	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52
Vu, ton:	2.41	2.41	2.41	2.64	2.90	3.16	3.43	3.69	3.92	3.92	3.92
Tu, ton-m:	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	8.00	8.00	17.00	8.00	8.00	8.00	8.00	8.00

DESIGN

C-7 21 #3 @ 8 C-8

BEAM: C(8-9) FLOOR: 2

Length: L = 4.86 m a = 0.20 m Section: b = 30.0 cm Sec: 30X40
Lu = 4.46 m c = 0.20 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.20	0.65	1.09	1.54	1.98	2.43	2.88	3.32	3.77	4.21	4.66
Mu(-), ton-m:	-3.29	-1.18	-0.82	-0.82	-0.82	-0.82	-0.82	-0.82	-0.82	-0.82	-0.82
Mu(+), ton-m:	1.65	0.82	0.87	2.25	3.27	3.86	3.96	3.64	2.89	1.72	0.82
As(-), cm2:	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52
As(+), cm2:	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52
Vu, ton:	4.85	4.68	3.89	3.09	2.30	1.51	0.94	1.70	2.49	3.29	3.46
Tu, ton-m:	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	8.00	8.00

DESIGN

C-8 11 #3 @ 8 16 #3 @ 17 11 #3 @ 8 C-9

BEAM: D(1-2) FLOOR: 2

Length: L = 3.10 m a = 0.25 m Section: b = 40.0 cm Sec: 40X40
Lu = 2.85 m c = 0.00 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.25	0.54	0.82	1.11	1.39	1.68	1.96	2.25	2.53	2.82	3.10
Mu(-), ton-m:	-8.04	-6.05	-4.26	-2.63	-2.31	-2.31	-2.31	-2.60	-4.59	-6.83	-9.24
Mu(+), ton-m:	7.18	6.21	5.16	3.97	2.61	2.31	2.31	2.79	3.76	4.69	5.49
As(-), cm2:	6.58	4.88	4.55	4.55	4.55	4.55	4.55	4.55	4.55	5.54	7.62
As(+), cm2:	5.84	5.02	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	9.43	9.43	8.93	8.30	8.33	8.96	9.59	10.21	10.84	11.34	11.34
Tu, ton-m:	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	17.00	17.00	17.00	16.00	15.00	8.00	8.00	8.00

DESIGN

D-1 11 #3 @ 8 3 #3 @ 17 4 #3 @ 14 11 #3 @ 8 D-2

BEAM: D(2-3) FLOOR: 2

Length: L = 1.92 m a = 0.00 m Section: b = 40.0 cm Sec: 40X40
Lu = 1.67 m c = 0.25 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.00	0.17	0.33	0.50	0.67	0.83	1.00	1.17	1.34	1.50	1.67
Mu(-), ton-m:	-2.18	-1.71	-1.26	-0.81	-0.54	-0.54	-0.54	-0.76	-1.17	-1.58	-2.01
Mu(+), ton-m:	1.81	1.47	1.12	0.77	0.54	0.54	0.54	0.83	1.21	1.57	1.93
As(-), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	3.78	3.78	3.78	3.72	3.65	3.59	3.52	3.45	3.44	3.44	3.44
Tu, ton-m:	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	8.00	8.00	17.00	8.00	8.00	8.00	8.00	8.00

DESIGN

D-2 21 #3 @ 8 D-3

BEAM: D(3-4) FLOOR: 2

Length: L = 2.10 m a = 0.25 m Section: b = 40.0 cm Sec: 40X40
Lu = 1.60 m c = 0.25 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.25	0.41	0.57	0.73	0.89	1.05	1.21	1.37	1.53	1.69	1.85
Mu(-), ton-m:	-11.55	-9.12	-6.78	-4.48	-2.89	-2.89	-2.89	-3.49	-5.47	-7.48	-9.54
Mu(+), ton-m:	9.47	7.73	5.94	4.12	2.89	2.89	2.89	4.14	6.16	8.12	10.01
As(-), cm2:	9.68	7.52	5.50	4.55	4.55	4.55	4.55	4.55	4.55	6.10	7.89
As(+), cm2:	7.83	6.31	4.79	4.55	4.55	4.55	4.55	4.55	4.98	6.65	8.30
Vu, ton:	20.87	20.87	20.87	20.57	20.23	19.89	19.55	19.21	18.91	18.91	18.91
Tu, ton-m:	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	7.00	7.00	7.00	7.00	7.00	7.00	7.00	8.00	8.00	8.00	8.00

DESIGN

D-3 23 #3 @ 7 D-4

BEAM: D(4-4a) FLOOR: 2

Length: L = 1.00 m a = 0.25 m Section: b = 40.0 cm Sec: 40X40
Lu = 0.75 m c = 0.00 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.25	0.33	0.40	0.48	0.55	0.62	0.70	0.77	0.85	0.92	1.00
Mu(-), ton-m:	-0.98	-0.79	-0.62	-0.48	-0.36	-0.25	-0.15	-0.09	-0.05	-0.01	0.00
Mu(+), ton-m:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
As(-), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	1.41	1.41	1.41	1.41	1.41	1.29	1.03	0.77	0.52	0.26	0.00
Tu, ton-m:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00

DESIGN

D-4 6 #3 @ 15 D-4a

BEAM: D(7-8) FLOOR: 2

Length: L = 2.10 m a = 0.25 m Section: b = 40.0 cm Sec: 40X40
Lu = 1.60 m c = 0.25 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.25	0.41	0.57	0.73	0.89	1.05	1.21	1.37	1.53	1.69	1.85
Mu(-), ton-m:	-5.57	-4.42	-3.35	-2.30	-1.46	-1.46	-1.46	-1.84	-3.10	-4.43	-5.85
Mu(+), ton-m:	5.44	4.58	3.66	2.69	1.66	1.46	1.46	1.52	2.37	3.21	3.99
As(-), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.72
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	10.07	10.07	10.07	9.87	10.22	10.59	10.95	11.31	11.63	11.63	11.63
Tu, ton-m:	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	8.00	8.00	14.00	8.00	8.00	8.00	8.00	8.00

DESIGN

D-7 20 #3 @ 8 D-8

BEAM: D(8-9) FLOOR: 2

Length: L = 4.88 m a = 0.25 m Section: b = 40.0 cm Sec: 40X40
Lu = 4.38 m c = 0.25 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.25	0.69	1.13	1.56	2.00	2.44	2.88	3.32	3.75	4.19	4.63
Mu(-), ton-m:	-6.73	-4.05	-1.91	-1.91	-1.91	-1.91	-1.91	-1.91	-2.68	-4.91	-7.64
Mu(+), ton-m:	3.36	1.91	2.10	2.39	2.39	2.57	2.91	2.92	2.63	2.21	3.82
As(-), cm2:	5.46	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	6.24
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	7.60	7.37	6.39	5.40	4.41	3.56	4.55	5.54	6.53	7.52	7.74
Tu, ton-m:	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	8.00	8.00

DESIGN

D-8 11 #3 @ 8 15 #3 @ 17 11 #3 @ 8 D-9

BEAM: E(1-3) FLOOR: 2

Length: L = 4.96 m a = 0.25 m Section: b = 40.0 cm Sec: 40X40
Lu = 4.46 m c = 0.25 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.25	0.70	1.14	1.59	2.03	2.48	2.93	3.37	3.82	4.26	4.71
Mu(-), ton-m:	-9.52	-5.84	-2.89	-2.62	-2.62	-2.62	-2.62	-2.62	-3.42	-6.63	-10.50
Mu(+), ton-m:	4.76	2.62	3.21	3.66	3.64	3.46	3.44	3.28	2.83	2.62	5.25
As(-), cm2:	7.87	4.71	4.55	4.55	4.55	4.55	4.55	4.55	4.55	5.37	8.73
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	10.40	10.07	8.67	7.28	5.88	5.02	6.42	7.82	9.22	10.61	10.95
Tu, ton-m:	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	8.00	8.00

DESIGN

E-1 11 #3 @ 8 16 #3 @ 17 11 #3 @ 8 E-3

BEAM: E(3-4) FLOOR: 2

Length: L = 2.10 m a = 0.25 m Section: b = 40.0 cm Sec: 40X40
Lu = 1.85 m c = 0.00 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.25	0.44	0.62	0.81	0.99	1.18	1.36	1.55	1.73	1.92	2.10
Mu(-), ton-m:	-8.37	-6.76	-5.34	-4.11	-3.04	-2.13	-1.38	-0.79	-0.37	-0.10	0.00
Mu(+), ton-m:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
As(-), cm2:	6.86	5.48	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	7.35	7.35	7.21	6.31	5.40	4.50	3.60	2.70	1.80	0.90	0.00
Tu, ton-m:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00

DESIGN

E-3 13 #3 @ 15 E-4

BEAM: E(7-8) FLOOR: 2

Length: L = 2.10 m a = 0.00 m Section: b = 40.0 cm Sec: 40X40
Lu = 1.85 m c = 0.25 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.00	0.19	0.37	0.56	0.74	0.93	1.11	1.30	1.48	1.67	1.85
Mu(-), ton-m:	0.00	-0.11	-0.40	-0.87	-1.52	-2.34	-3.34	-4.52	-5.88	-7.44	-9.20
Mu(+), ton-m:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
As(-), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.74	6.06	7.59
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	0.00	0.99	1.98	2.97	3.96	4.96	5.95	6.94	7.93	8.09	8.09
Tu, ton-m:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00

DESIGN

E-7 13 #3 @ 15 E-8

Company: AC INGENIERIA Engineer: ALVARO CABALLERO
Project: CASA CORREGIDOR - SOGAMOSO BLOQUE NUEVO 4:20:17 p. m. 4/05/2022

BEAM: E(8-9) FLOOR: 2

Length: L = 4.90 m a = 0.25 m Section: b = 40.0 cm Sec: 40X40
Lu = 4.40 m c = 0.25 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.25	0.69	1.13	1.57	2.01	2.45	2.89	3.33	3.77	4.21	4.65
Mu(-), ton-m:	-9.95	-6.23	-3.16	-2.49	-2.49	-2.49	-2.49	-2.49	-2.98	-5.90	-9.51
Mu(+), ton-m:	4.98	2.49	2.70	3.13	3.27	3.29	3.49	3.47	3.02	2.49	4.76
As(-), cm2:	8.25	5.03	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.76	7.86
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	10.66	10.34	8.96	7.58	6.20	4.82	5.85	7.23	8.61	9.99	10.31
Tu, ton-m:	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	8.00	8.00

DESIGN

E-8 11 #3 @ 8 15 #3 @ 17 11 #3 @ 8 E-9

BEAM: F(1-3) FLOOR: 2

Length: L = 4.88 m a = 0.25 m Section: b = 40.0 cm Sec: 40X40
Lu = 4.38 m c = 0.25 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.25	0.69	1.13	1.56	2.00	2.44	2.88	3.32	3.75	4.19	4.63
Mu(-), ton-m:	-9.89	-6.15	-3.14	-2.78	-2.78	-2.78	-2.78	-2.78	-3.80	-7.13	-11.12
Mu(+), ton-m:	4.95	3.18	3.65	3.97	3.80	3.49	3.55	3.49	3.16	2.78	5.56
As(-), cm2:	8.20	4.97	4.55	4.55	4.55	4.55	4.55	4.55	4.55	5.80	9.29
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	10.69	10.38	8.97	7.56	6.15	5.45	6.86	8.26	9.67	11.08	11.40
Tu, ton-m:	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	8.00	8.00

DESIGN

F-1 11 #3 @ 8 15 #3 @ 17 11 #3 @ 8 F-3

BEAM: F(3-4) FLOOR: 2

Length: L = 2.10 m a = 0.25 m Section: b = 40.0 cm Sec: 40X40
Lu = 1.85 m c = 0.00 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.25	0.44	0.62	0.81	0.99	1.18	1.36	1.55	1.73	1.92	2.10
Mu(-), ton-m:	-7.12	-5.75	-4.54	-3.50	-2.58	-1.81	-1.17	-0.67	-0.31	-0.09	0.00
Mu(+), ton-m:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
As(-), cm2:	5.79	4.64	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	6.25	6.25	6.13	5.36	4.60	3.83	3.07	2.30	1.53	0.77	0.00
Tu, ton-m:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00

DESIGN

F-3 13 #3 @ 15 F-4

BEAM: F(5-5a) FLOOR: 2

Length: L = 6.99 m a = 0.20 m Section: b = 40.0 cm Sec: 40X40
Lu = 6.59 m c = 0.20 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.20	0.86	1.52	2.18	2.84	3.50	4.15	4.81	5.47	6.13	6.79
Mu(-), ton-m:	-6.15	-2.24	-1.54	-1.54	-1.54	-1.54	-1.54	-1.54	-1.54	-2.25	-6.16
Mu(+), ton-m:	3.07	1.54	3.32	5.31	6.88	7.44	6.87	5.30	3.31	1.54	3.08
As(-), cm2:	4.97	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.97
As(+), cm2:	4.55	4.55	4.55	4.55	5.58	6.06	5.58	4.55	4.55	4.55	4.55
Vu, ton:	7.84	7.20	5.89	4.57	3.26	1.95	3.26	4.58	5.89	7.20	7.84
Tu, ton-m:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	8.00	8.00

DESIGN

F-5 11 #3 @ 8 28 #3 @ 17 11 #3 @ 8 F-5a

BEAM: F(7-8) FLOOR: 2

Length: L = 2.10 m a = 0.00 m Section: b = 40.0 cm Sec: 40X40
Lu = 1.85 m c = 0.25 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.00	0.19	0.37	0.56	0.74	0.93	1.11	1.30	1.48	1.67	1.85
Mu(-), ton-m:	0.00	-0.09	-0.32	-0.69	-1.21	-1.86	-2.66	-3.59	-4.67	-5.92	-7.32
Mu(+), ton-m:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
As(-), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.77	5.96
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	0.00	0.79	1.58	2.36	3.15	3.94	4.73	5.52	6.30	6.43	6.43
Tu, ton-m:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00

DESIGN

F-7 13 #3 @ 15 F-8

BEAM: F(8-9) FLOOR: 2

Length: L = 4.94 m a = 0.25 m Section: b = 40.0 cm Sec: 40X40
Lu = 4.44 m c = 0.25 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.25	0.69	1.14	1.58	2.03	2.47	2.91	3.36	3.80	4.25	4.69
Mu(-), ton-m:	-10.98	-6.98	-3.66	-2.75	-2.75	-2.75	-2.75	-2.75	-3.32	-6.47	-10.34
Mu(+), ton-m:	5.49	2.75	3.30	3.64	3.67	3.56	3.81	3.91	3.54	3.01	5.17
As(-), cm2:	9.17	5.67	4.55	4.55	4.55	4.55	4.55	4.55	4.55	5.23	8.59
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	11.28	10.95	9.52	8.10	6.67	5.25	6.28	7.71	9.14	10.56	10.89
Tu, ton-m:	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	8.00	8.00

DESIGN

F-8 11 #3 @ 8 16 #3 @ 17 11 #3 @ 8 F-9

BEAM: G(1-3) FLOOR: 2

Length: L = 4.87 m a = 0.20 m Section: b = 40.0 cm Sec: 40X40
Lu = 4.47 m c = 0.20 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.20	0.65	1.09	1.54	1.99	2.44	2.88	3.33	3.78	4.22	4.67
Mu(-), ton-m:	-5.19	-3.16	-1.72	-1.72	-1.72	-1.72	-1.72	-1.72	-2.54	-4.53	-6.87
Mu(+), ton-m:	2.59	2.74	2.88	2.81	2.47	2.22	2.62	2.74	2.66	2.51	3.43
As(-), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	5.58
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	5.68	5.51	4.78	4.06	3.33	3.28	4.00	4.73	5.46	6.18	6.36
Tu, ton-m:	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	8.00	8.00

DESIGN

G-1 11 #3 @ 8 16 #3 @ 17 11 #3 @ 8 G-3

BEAM: G(3-4) FLOOR: 2

Length: L = 2.10 m a = 0.20 m Section: b = 40.0 cm Sec: 40X40
Lu = 1.90 m c = 0.00 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.20	0.39	0.58	0.77	0.96	1.15	1.34	1.53	1.72	1.91	2.10
Mu(-), ton-m:	-3.95	-3.21	-2.54	-1.96	-1.44	-1.01	-0.65	-0.37	-0.17	-0.05	0.00
Mu(+), ton-m:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
As(-), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	3.41	3.41	3.33	2.91	2.49	2.08	1.66	1.25	0.83	0.42	0.00
Tu, ton-m:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00

DESIGN

G-3 13 #3 @ 15 G-4

BEAM: G(5-5a) FLOOR: 2

Length: L = 6.99 m a = 0.20 m Section: b = 40.0 cm Sec: 40X40
Lu = 6.59 m c = 0.20 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.20	0.86	1.52	2.18	2.84	3.50	4.16	4.81	5.47	6.13	6.79
Mu(-), ton-m:	-6.73	-3.03	-1.68	-1.68	-1.68	-1.68	-1.68	-1.68	-1.68	-3.02	-6.71
Mu(+), ton-m:	3.36	1.68	2.49	4.07	5.27	5.78	5.27	4.08	2.50	1.68	3.36
As(-), cm2:	5.46	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	5.44
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.65	4.55	4.55	4.55	4.55	4.55
Vu, ton:	7.42	6.84	5.67	4.49	3.31	2.13	3.30	4.48	5.66	6.84	7.41
Tu, ton-m:	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	8.00	8.00

DESIGN

G-5 11 #3 @ 8 28 #3 @ 17 11 #3 @ 8 G-5a

BEAM: G(7-8) FLOOR: 2

Length: L = 2.10 m a = 0.00 m Section: b = 40.0 cm Sec: 40X40
Lu = 1.90 m c = 0.20 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.00	0.19	0.38	0.57	0.76	0.95	1.14	1.33	1.52	1.71	1.90
Mu(-), ton-m:	0.00	-0.05	-0.18	-0.39	-0.69	-1.06	-1.52	-2.06	-2.68	-3.38	-4.17
Mu(+), ton-m:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
As(-), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	0.00	0.44	0.88	1.31	1.75	2.19	2.63	3.07	3.50	3.60	3.60
Tu, ton-m:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00

DESIGN

G-7 13 #3 @ 15 G-8

BEAM: G(8-9) FLOOR: 2

Length: L = 5.01 m a = 0.20 m Section: b = 40.0 cm Sec: 40X40
Lu = 4.61 m c = 0.20 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.20	0.66	1.12	1.58	2.04	2.51	2.97	3.43	3.89	4.35	4.81
Mu(-), ton-m:	-7.22	-4.70	-2.57	-1.85	-1.85	-1.85	-1.85	-1.85	-2.81	-4.91	-7.40
Mu(+), ton-m:	3.61	3.11	3.05	2.93	2.55	2.16	2.81	3.23	3.32	3.36	3.70
As(-), cm2:	5.87	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	6.03
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	6.56	6.36	5.61	4.86	4.11	3.36	4.02	4.77	5.52	6.27	6.47
Tu, ton-m:	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	8.00	8.00

DESIGN

G-8 11 #3 @ 8 17 #3 @ 17 11 #3 @ 8 G-9

BEAM: B(1'-3) FLOOR: 3

Length: L = 2.84 m a = 0.00 m Section: b = 40.0 cm Sec: 40X40
Lu = 2.59 m c = 0.25 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.00	0.26	0.52	0.78	1.04	1.30	1.55	1.81	2.07	2.33	2.59
Mu(-), ton-m:	0.00	-0.05	-0.20	-0.43	-0.76	-1.17	-1.68	-2.28	-2.96	-3.74	-4.61
Mu(+), ton-m:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
As(-), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	0.00	0.36	0.71	1.07	1.42	1.78	2.13	2.49	2.84	3.09	3.09
Tu, ton-m:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00

DESIGN

B-1' 18 #3 @ 15 B-3

BEAM: B(3-4) FLOOR: 3

Length: L = 2.10 m a = 0.25 m Section: b = 40.0 cm Sec: 40X40
Lu = 1.65 m c = 0.20 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.25	0.42	0.58	0.75	0.91	1.08	1.24	1.41	1.57	1.74	1.90
Mu(-), ton-m:	-5.64	-4.98	-4.35	-3.76	-3.18	-2.64	-2.13	-1.64	-1.41	-1.41	-1.41
Mu(+), ton-m:	2.82	2.44	2.27	2.09	1.89	1.68	1.44	1.41	1.41	1.41	1.41
As(-), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	6.73	6.73	6.73	6.58	6.42	6.26	6.10	5.94	5.79	5.79	5.79
Tu, ton-m:	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	8.00	8.00	17.00	8.00	8.00	8.00	8.00	8.00

DESIGN

B-3 21 #3 @ 8 B-4

BEAM: B(7-8) FLOOR: 3

Length: L = 2.10 m a = 0.20 m Section: b = 40.0 cm Sec: 40X40
Lu = 1.65 m c = 0.25 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.20	0.37	0.53	0.70	0.86	1.03	1.19	1.36	1.52	1.69	1.85
Mu(-), ton-m:	-1.19	-1.19	-1.19	-1.31	-1.72	-2.15	-2.62	-3.11	-3.63	-4.18	-4.76
Mu(+), ton-m:	1.19	1.19	1.19	1.19	1.19	1.35	1.51	1.66	1.80	1.92	2.38
As(-), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	4.89	4.89	4.89	5.04	5.20	5.36	5.52	5.68	5.83	5.83	5.83
Tu, ton-m:	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	8.00	8.00	17.00	8.00	8.00	8.00	8.00	8.00

DESIGN

B-7 21 #3 @ 8 B-8

BEAM: B(8-14) FLOOR: 3

Length: L = 2.90 m a = 0.25 m Section: b = 40.0 cm Sec: 40X40
Lu = 2.65 m c = 0.00 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.25	0.52	0.78	1.05	1.31	1.58	1.84	2.11	2.37	2.64	2.90
Mu(-), ton-m:	-4.78	-3.88	-3.07	-2.36	-1.74	-1.22	-0.79	-0.45	-0.21	-0.06	0.00
Mu(+), ton-m:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
As(-), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	3.14	3.14	2.88	2.52	2.16	1.80	1.44	1.08	0.72	0.36	0.00
Tu, ton-m:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00

DESIGN

B-8 18 #3 @ 15 B-14

BEAM: C(1-2) FLOOR: 3

Length: L = 3.13 m a = 0.20 m Section: b = 25.0 cm Sec: 25X40
Lu = 2.93 m c = 0.00 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.20	0.49	0.79	1.08	1.37	1.67	1.96	2.25	2.54	2.84	3.13
Mu(-), ton-m:	-0.88	-0.88	-0.88	-0.88	-0.88	-0.88	-0.88	-1.33	-1.97	-2.70	-3.52
Mu(+), ton-m:	0.88	0.88	0.88	0.96	1.12	1.19	1.17	1.10	1.02	0.88	1.76
As(-), cm2:	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93
As(+), cm2:	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93
Vu, ton:	2.32	2.32	2.05	2.07	2.40	2.74	3.07	3.40	3.74	4.01	4.01
Tu, ton-m:	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	17.00	17.00	17.00	17.00	17.00	8.00	8.00	8.00

DESIGN

C-1 11 #3 @ 8 7 #3 @ 17 11 #3 @ 8 C-2

BEAM: C(2-3) FLOOR: 3

Length: L = 1.92 m a = 0.00 m Section: b = 25.0 cm Sec: 25X40
Lu = 1.92 m c = 0.00 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.00	0.19	0.38	0.58	0.77	0.96	1.15	1.34	1.54	1.73	1.92
Mu(-), ton-m:	-1.44	-1.12	-0.82	-0.52	-0.36	-0.36	-0.36	-0.48	-0.73	-0.99	-1.26
Mu(+), ton-m:	1.08	0.88	0.68	0.46	0.36	0.36	0.36	0.55	0.80	1.03	1.25
As(-), cm2:	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93
As(+), cm2:	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93
Vu, ton:	2.25	2.25	2.24	2.18	2.13	2.07	2.02	1.96	1.99	2.00	2.00
Tu, ton-m:	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	8.00	8.00	17.00	8.00	8.00	8.00	8.00	8.00

DESIGN

C-2 24 #3 @ 8 C-3

BEAM: C(3-4) FLOOR: 3

Length: L = 2.10 m a = 0.00 m Section: b = 30.0 cm Sec: 30X40
Lu = 1.85 m c = 0.25 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.00	0.19	0.37	0.55	0.74	0.93	1.11	1.30	1.48	1.67	1.85
Mu(-), ton-m:	-7.60	-5.88	-4.21	-2.60	-2.31	-2.31	-2.31	-3.87	-5.59	-7.38	-9.23
Mu(+), ton-m:	6.94	5.50	4.03	2.53	2.31	2.31	2.31	3.43	4.86	6.25	7.61
As(-), cm2:	6.10	4.65	3.52	3.52	3.52	3.52	3.52	3.52	4.42	5.91	7.52
As(+), cm2:	5.54	4.34	3.52	3.52	3.52	3.52	3.52	3.52	3.81	4.96	6.11
Vu, ton:	12.97	12.97	12.94	12.63	12.31	12.28	12.59	12.91	13.22	13.26	13.26
Tu, ton-m:	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	8.00	8.00	13.00	8.00	8.00	8.00	8.00	8.00

DESIGN

C-3 23 #3 @ 8 C-4

BEAM: C(4-4a) FLOOR: 3

Length: L = 2.54 m a = 0.25 m Section: b = 30.0 cm Sec: 30X40
Lu = 2.29 m c = 0.00 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.25	0.48	0.71	0.94	1.17	1.40	1.62	1.85	2.08	2.31	2.54
Mu(-), ton-m:	-6.23	-5.06	-4.01	-3.08	-2.28	-1.59	-1.03	-0.59	-0.27	-0.07	0.00
Mu(+), ton-m:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
As(-), cm2:	4.95	3.98	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52
As(+), cm2:	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52
Vu, ton:	4.61	4.61	4.35	3.81	3.27	2.72	2.18	1.63	1.09	0.54	0.00
Tu, ton-m:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	17.50	17.50	17.50	17.50	17.50	17.50	17.50	17.50	17.50	17.50	17.50

DESIGN

C-4 14 #3 @ 17.5 C-4a

BEAM: C(6-7) FLOOR: 3

Length: L = 2.31 m a = 0.00 m Section: b = 30.0 cm Sec: 30X40
Lu = 2.06 m c = 0.25 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.00	0.21	0.41	0.62	0.82	1.03	1.24	1.44	1.65	1.85	2.06
Mu(-), ton-m:	0.00	-0.06	-0.23	-0.50	-0.87	-1.35	-1.93	-2.61	-3.39	-4.27	-5.28
Mu(+), ton-m:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
As(-), cm2:	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	4.16
As(+), cm2:	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52
Vu, ton:	0.00	0.51	1.02	1.54	2.05	2.56	3.07	3.58	4.10	4.25	4.25
Tu, ton-m:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	17.50	17.50	17.50	17.50	17.50	17.50	17.50	17.50	17.50	17.50	17.50

DESIGN

C-6 13 #3 @ 17.5 C-7

Company: AC INGENIERIA Engineer: ALVARO CABALLERO
Project: CASA CORREGIDOR - SOGAMOSO BLOQUE NUEVO 4:20:17 p. m. 4/05/2022

BEAM: C(7-8) FLOOR: 3

Length: L = 2.10 m a = 0.25 m Section: b = 30.0 cm Sec: 30X40
Lu = 1.65 m c = 0.20 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.25	0.42	0.58	0.75	0.91	1.08	1.24	1.41	1.57	1.74	1.90
Mu(-), ton-m:	-4.73	-4.29	-3.92	-3.59	-3.29	-3.03	-2.82	-2.65	-2.53	-2.54	-2.78
Mu(+), ton-m:	2.36	1.46	1.23	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.39
As(-), cm2:	3.71	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52
As(+), cm2:	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52
Vu, ton:	2.15	2.15	2.15	1.93	1.77	1.95	2.21	2.46	2.69	2.69	2.69
Tu, ton-m:	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	8.00	8.00	17.00	8.00	8.00	8.00	8.00	8.00

DESIGN

C-7 21 #3 @ 8 C-8

BEAM: C(8-9) FLOOR: 3

Length: L = 4.86 m a = 0.20 m Section: b = 30.0 cm Sec: 30X40
Lu = 4.46 m c = 0.20 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.20	0.65	1.09	1.54	1.98	2.43	2.88	3.32	3.77	4.21	4.66
Mu(-), ton-m:	-2.60	-0.88	-0.65	-0.65	-0.65	-0.65	-0.65	-0.65	-0.65	-0.65	-0.65
Mu(+), ton-m:	1.30	0.65	1.05	2.16	3.01	3.50	3.55	3.23	2.55	1.51	0.65
As(-), cm2:	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52
As(+), cm2:	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52
Vu, ton:	4.13	3.96	3.27	2.57	1.88	1.19	0.80	1.49	2.18	2.88	3.02
Tu, ton-m:	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	8.00	8.00

DESIGN

C-8 11 #3 @ 8 16 #3 @ 17 11 #3 @ 8 C-9

BEAM: D(1-2) FLOOR: 3

Length: L = 3.10 m a = 0.25 m Section: b = 40.0 cm Sec: 40X40
Lu = 2.85 m c = 0.00 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.25	0.54	0.82	1.11	1.39	1.68	1.96	2.25	2.53	2.82	3.10
Mu(-), ton-m:	-9.01	-6.83	-4.87	-3.06	-2.50	-2.50	-2.50	-2.86	-5.02	-7.42	-9.99
Mu(+), ton-m:	8.03	6.89	5.68	4.33	2.81	2.50	2.50	3.04	4.20	5.29	6.27
As(-), cm2:	7.42	5.54	4.55	4.55	4.55	4.55	4.55	4.55	4.55	6.04	8.28
As(+), cm2:	6.57	5.59	4.57	4.55	4.55	4.55	4.55	4.55	4.55	4.55	5.07
Vu, ton:	10.24	10.24	9.73	9.11	9.08	9.70	10.33	10.96	11.58	12.09	12.09
Tu, ton-m:	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	17.00	17.00	16.00	15.00	14.00	8.00	8.00	8.00

DESIGN

D-1 11 #3 @ 8 3 #3 @ 16 4 #3 @ 13 11 #3 @ 8 D-2

BEAM: D(2-3) FLOOR: 3

Length: L = 1.92 m a = 0.00 m Section: b = 40.0 cm Sec: 40X40
Lu = 1.67 m c = 0.25 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.00	0.17	0.33	0.50	0.67	0.83	1.00	1.17	1.34	1.50	1.67
Mu(-), ton-m:	-1.86	-1.46	-1.08	-0.70	-0.46	-0.46	-0.46	-0.60	-0.93	-1.27	-1.62
Mu(+), ton-m:	1.44	1.18	0.90	0.62	0.46	0.46	0.46	0.67	0.98	1.27	1.56
As(-), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	3.24	3.24	3.24	3.17	3.11	3.04	2.97	2.90	2.85	2.85	2.85
Tu, ton-m:	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	8.00	8.00	17.00	8.00	8.00	8.00	8.00	8.00

DESIGN

D-2 21 #3 @ 8 D-3

Company: AC INGENIERIA Engineer: ALVARO CABALLERO
Project: CASA CORREGIDOR - SOGAMOSO BLOQUE NUEVO 4:20:17 p. m. 4/05/2022

BEAM: D(3-4) FLOOR: 3

Length: L = 2.10 m a = 0.25 m Section: b = 40.0 cm Sec: 40X40
Lu = 1.60 m c = 0.25 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.25	0.41	0.57	0.73	0.89	1.05	1.21	1.37	1.53	1.69	1.85
Mu(-), ton-m:	-11.73	-9.32	-6.99	-4.71	-3.30	-3.30	-3.30	-5.38	-7.93	-10.53	-13.21
Mu(+), ton-m:	11.09	8.88	6.62	4.33	3.30	3.30	3.30	4.10	6.20	8.28	10.31
As(-), cm2:	9.84	7.69	5.68	4.55	4.55	4.55	4.55	4.55	6.48	8.76	11.21
As(+), cm2:	9.26	7.30	5.36	4.55	4.55	4.55	4.55	4.55	5.01	6.78	8.56
Vu, ton:	21.15	21.15	21.15	21.35	21.68	22.02	22.36	22.70	23.00	23.00	23.00
Tu, ton-m:	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	7.00	7.00	7.00	7.00	7.00	7.00	6.00	6.00	6.00	6.00	6.00

DESIGN

D-3 26 #3 @ 6 D-4

BEAM: D(4-4a) FLOOR: 3

Length: L = 2.54 m a = 0.25 m Section: b = 40.0 cm Sec: 40X40
Lu = 2.29 m c = 0.00 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.25	0.48	0.71	0.94	1.17	1.40	1.62	1.85	2.08	2.31	2.54
Mu(-), ton-m:	-9.83	-7.98	-6.33	-4.86	-3.59	-2.51	-1.62	-0.93	-0.43	-0.12	0.00
Mu(+), ton-m:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
As(-), cm2:	8.14	6.53	5.12	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	7.31	7.31	6.87	6.01	5.15	4.29	3.43	2.58	1.72	0.86	0.00
Tu, ton-m:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00

DESIGN

D-4 16 #3 @ 15 D-4a

BEAM: D(6-7) FLOOR: 3

Length: L = 2.31 m a = 0.00 m Section: b = 40.0 cm Sec: 40X40
Lu = 2.06 m c = 0.25 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.00	0.21	0.41	0.62	0.82	1.03	1.24	1.44	1.65	1.85	2.06
Mu(-), ton-m:	0.00	-0.10	-0.36	-0.79	-1.37	-2.12	-3.02	-4.09	-5.32	-6.72	-8.30
Mu(+), ton-m:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
As(-), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	5.45	6.80
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	0.00	0.80	1.61	2.41	3.22	4.02	4.83	5.63	6.43	6.72	6.72
Tu, ton-m:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00

DESIGN

D-6 15 #3 @ 15 D-7

BEAM: D(7-8) FLOOR: 3

Length: L = 2.10 m a = 0.25 m Section: b = 40.0 cm Sec: 40X40
Lu = 1.60 m c = 0.25 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.25	0.41	0.57	0.73	0.89	1.05	1.21	1.37	1.53	1.69	1.85
Mu(-), ton-m:	-8.38	-6.73	-5.15	-3.62	-2.15	-2.10	-2.10	-2.10	-2.82	-3.77	-4.78
Mu(+), ton-m:	4.19	3.02	2.28	2.10	2.10	2.10	2.10	2.10	3.17	4.37	5.48
As(-), cm2:	6.87	5.45	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	15.21	15.21	15.21	14.91	14.57	14.24	13.90	13.56	13.26	13.26	13.26
Tu, ton-m:	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	8.00	8.00	10.00	8.00	8.00	8.00	8.00	8.00

DESIGN

D-7 20 #3 @ 8 D-8

Company: AC INGENIERIA Engineer: ALVARO CABALLERO
Project: CASA CORREGIDOR - SOGAMOSO BLOQUE NUEVO 4:20:17 p. m. 4/05/2022

BEAM: D(8-9) FLOOR: 3

	Length:	L = 4.88 m	a = 0.25 m	Section:	b = 40.0 cm	Sec:	40X40			
		Lu = 4.38 m	c = 0.25 m		h = 40.0 cm	Mat:	3500 PSI			
X, m:	0.25	0.69	1.13	1.56	2.00	2.44	2.88	3.32	3.75	4.19	4.63
Mu(-), ton-m:	-6.73	-4.11	-2.05	-2.05	-2.05	-2.05	-2.05	-2.05	-2.95	-5.34	-8.19
Mu(+), ton-m:	3.37	2.17	2.49	2.71	2.57	2.47	2.62	2.56	2.31	2.05	4.09
As(-), cm2:	5.46	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	6.70
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	7.54	7.32	6.33	5.34	4.35	3.97	4.95	5.94	6.93	7.92	8.14
Tu, ton-m:	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	8.00	8.00

DESIGN

D-8 11 #3 @ 8 15 #3 @ 17 11 #3 @ 8 D-9

BEAM: E(1-3) FLOOR: 3

	Length:	L = 4.96 m	a = 0.25 m	Section:	b = 40.0 cm	Sec:	40X40			
		Lu = 4.46 m	c = 0.25 m		h = 40.0 cm	Mat:	3500 PSI			
X, m:	0.25	0.70	1.14	1.59	2.03	2.48	2.93	3.37	3.82	4.26	4.71
Mu(-), ton-m:	-10.29	-6.50	-3.39	-2.62	-2.62	-2.62	-2.62	-2.62	-3.49	-6.64	-10.46
Mu(+), ton-m:	5.14	2.62	3.00	3.37	3.39	3.25	3.35	3.30	2.92	2.62	5.23
As(-), cm2:	8.55	5.26	4.55	4.55	4.55	4.55	4.55	4.55	4.55	5.38	8.70
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	10.74	10.40	9.01	7.61	6.21	4.91	6.31	7.70	9.10	10.50	10.83
Tu, ton-m:	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	8.00	8.00

DESIGN

E-1 11 #3 @ 8 16 #3 @ 17 11 #3 @ 8 E-3

BEAM: E(3-4) FLOOR: 3

	Length:	L = 2.10 m	a = 0.25 m	Section:	b = 40.0 cm	Sec:	40X40			
		Lu = 1.85 m	c = 0.00 m		h = 40.0 cm	Mat:	3500 PSI			
X, m:	0.25	0.44	0.62	0.81	0.99	1.18	1.36	1.55	1.73	1.92	2.10
Mu(-), ton-m:	-8.54	-6.90	-5.45	-4.19	-3.10	-2.17	-1.41	-0.81	-0.38	-0.11	0.00
Mu(+), ton-m:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
As(-), cm2:	7.01	5.60	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	7.51	7.51	7.36	6.44	5.52	4.60	3.68	2.76	1.84	0.92	0.00
Tu, ton-m:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00

DESIGN

E-3 13 #3 @ 15 E-4

BEAM: E(7-8) FLOOR: 3

	Length:	L = 2.10 m	a = 0.00 m	Section:	b = 40.0 cm	Sec:	40X40			
		Lu = 1.85 m	c = 0.25 m		h = 40.0 cm	Mat:	3500 PSI			
X, m:	0.00	0.19	0.37	0.56	0.74	0.93	1.11	1.30	1.48	1.67	1.85
Mu(-), ton-m:	0.00	-0.10	-0.36	-0.77	-1.34	-2.07	-2.96	-4.00	-5.20	-6.59	-8.15
Mu(+), ton-m:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
As(-), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	5.34	6.67
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	0.00	0.88	1.76	2.63	3.51	4.39	5.27	6.14	7.02	7.16	7.16
Tu, ton-m:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00

DESIGN

E-7 13 #3 @ 15 E-8

BEAM: E(8-9) FLOOR: 3

Length: L = 4.90 m a = 0.25 m Section: b = 40.0 cm Sec: 40X40
Lu = 4.40 m c = 0.25 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.25	0.69	1.13	1.57	2.01	2.45	2.89	3.33	3.77	4.21	4.65
Mu(-), ton-m:	-9.08	-5.57	-2.74	-2.50	-2.50	-2.50	-2.50	-2.50	-3.27	-6.32	-10.01
Mu(+), ton-m:	4.54	2.50	2.73	3.20	3.26	3.19	3.13	2.90	2.50	2.50	5.00
As(-), cm2:	7.48	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	5.11	8.30
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	10.20	9.89	8.51	7.13	5.75	4.82	6.20	7.58	8.97	10.35	10.66
Tu, ton-m:	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	8.00	8.00

DESIGN

E-8 11 #3 @ 8 15 #3 @ 17 11 #3 @ 8 E-9

BEAM: F(1-3) FLOOR: 3

Length: L = 4.88 m a = 0.25 m Section: b = 40.0 cm Sec: 40X40
Lu = 4.38 m c = 0.25 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.25	0.69	1.13	1.56	2.00	2.44	2.88	3.32	3.75	4.19	4.63
Mu(-), ton-m:	-9.06	-6.14	-3.65	-2.26	-2.26	-2.26	-2.26	-2.26	-3.36	-5.72	-8.53
Mu(+), ton-m:	4.53	3.16	3.12	2.93	2.56	2.26	2.67	3.14	3.34	3.42	4.27
As(-), cm2:	7.46	4.96	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.61	7.00
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	8.15	7.95	7.05	6.16	5.26	4.37	4.97	5.87	6.76	7.66	7.86
Tu, ton-m:	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	8.00	8.00

DESIGN

F-1 11 #3 @ 8 15 #3 @ 17 11 #3 @ 8 F-3

BEAM: F(8-9) FLOOR: 3

Length: L = 4.94 m a = 0.25 m Section: b = 40.0 cm Sec: 40X40
Lu = 4.44 m c = 0.25 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.25	0.69	1.14	1.58	2.03	2.47	2.91	3.36	3.80	4.25	4.69
Mu(-), ton-m:	-7.64	-5.00	-2.83	-2.26	-2.26	-2.26	-2.26	-2.26	-3.59	-6.12	-9.05
Mu(+), ton-m:	3.82	3.22	3.23	3.13	2.67	2.26	2.39	2.56	2.63	2.53	4.52
As(-), cm2:	6.24	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.94	7.45
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	7.44	7.23	6.34	5.44	4.55	4.40	5.30	6.20	7.09	7.99	8.20
Tu, ton-m:	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	8.00	8.00

DESIGN

F-8 11 #3 @ 8 16 #3 @ 17 11 #3 @ 8 F-9

BEAM: A(1-3) FLOOR: 4

Length: L = 5.14 m a = 0.25 m Section: b = 40.0 cm Sec: 40X40
Lu = 4.64 m c = 0.25 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.25	0.71	1.18	1.64	2.11	2.57	3.03	3.50	3.96	4.43	4.89
Mu(-), ton-m:	-5.29	-3.88	-2.61	-1.51	-1.34	-1.34	-1.34	-1.52	-2.64	-3.93	-5.35
Mu(+), ton-m:	3.65	3.17	2.63	2.06	1.39	1.34	1.37	2.03	2.60	3.14	3.61
As(-), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	3.75	3.68	3.43	3.18	2.93	2.71	2.96	3.22	3.47	3.72	3.79
Tu, ton-m:	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	8.00	8.00

DESIGN

A-1 11 #3 @ 8 17 #3 @ 17 11 #3 @ 8 A-3

BEAM: A(3-4) FLOOR: 4

Length: L = 2.10 m a = 0.25 m Section: b = 40.0 cm Sec: 40X40
Lu = 1.85 m c = 0.00 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.25	0.44	0.62	0.81	0.99	1.18	1.36	1.55	1.73	1.92	2.10
Mu(-), ton-m:	-3.90	-3.15	-2.49	-1.91	-1.42	-0.99	-0.64	-0.37	-0.17	-0.05	0.00
Mu(+), ton-m:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
As(-), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	3.43	3.43	3.36	2.94	2.52	2.10	1.68	1.26	0.84	0.42	0.00
Tu, ton-m:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00

DESIGN

A-3 13 #3 @ 15 A-4

BEAM: A(7-8) FLOOR: 4

Length: L = 2.10 m a = 0.00 m Section: b = 40.0 cm Sec: 40X40
Lu = 1.85 m c = 0.25 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.00	0.19	0.37	0.56	0.74	0.93	1.11	1.30	1.48	1.67	1.85
Mu(-), ton-m:	0.00	-0.05	-0.17	-0.37	-0.64	-0.99	-1.42	-1.91	-2.49	-3.15	-3.90
Mu(+), ton-m:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
As(-), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	0.00	0.42	0.84	1.26	1.68	2.10	2.52	2.94	3.36	3.43	3.43
Tu, ton-m:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00

DESIGN

A-7 13 #3 @ 15 A-8

BEAM: A(8-9) FLOOR: 4

Length: L = 4.79 m a = 0.25 m Section: b = 40.0 cm Sec: 40X40
Lu = 4.29 m c = 0.25 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.25	0.68	1.11	1.54	1.97	2.40	2.82	3.25	3.68	4.11	4.54
Mu(-), ton-m:	-3.96	-2.97	-2.06	-1.21	-1.20	-1.20	-1.20	-1.45	-2.48	-3.60	-4.80
Mu(+), ton-m:	3.47	3.00	2.47	1.86	1.20	1.20	1.20	1.55	2.06	2.52	2.92
As(-), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	3.20	3.16	2.99	2.81	2.73	2.90	3.08	3.26	3.44	3.61	3.65
Tu, ton-m:	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	8.00	8.00

DESIGN

A-8 11 #3 @ 8 15 #3 @ 17 11 #3 @ 8 A-9

BEAM: B(1-3) FLOOR: 4

Length: L = 5.08 m a = 0.25 m Section: b = 40.0 cm Sec: 40X40
Lu = 4.58 m c = 0.25 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.25	0.71	1.17	1.62	2.08	2.54	3.00	3.46	3.91	4.37	4.83
Mu(-), ton-m:	-4.55	-3.33	-2.25	-1.38	-1.38	-1.38	-1.38	-1.61	-2.79	-4.10	-5.52
Mu(+), ton-m:	3.49	3.03	2.53	1.95	1.38	1.38	1.38	1.66	2.17	2.60	2.96
As(-), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	3.56	3.49	3.25	3.00	2.77	2.97	3.22	3.47	3.72	3.97	4.03
Tu, ton-m:	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	8.00	8.00

DESIGN

B-1 11 #3 @ 8 16 #3 @ 17 11 #3 @ 8 B-3

BEAM: B(3-4) FLOOR: 4

Length: L = 2.10 m a = 0.25 m Section: b = 40.0 cm Sec: 40X40
Lu = 1.85 m c = 0.00 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.25	0.44	0.62	0.81	0.99	1.18	1.36	1.55	1.73	1.92	2.10
Mu(-), ton-m:	-3.90	-3.15	-2.49	-1.91	-1.42	-0.99	-0.64	-0.37	-0.17	-0.05	0.00
Mu(+), ton-m:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
As(-), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	3.43	3.43	3.36	2.94	2.52	2.10	1.68	1.26	0.84	0.42	0.00
Tu, ton-m:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00

DESIGN

B-3 13 #3 @ 15 B-4

BEAM: B(7-8) FLOOR: 4

Length: L = 2.10 m a = 0.00 m Section: b = 40.0 cm Sec: 40X40
Lu = 1.85 m c = 0.25 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.00	0.19	0.37	0.56	0.74	0.93	1.11	1.30	1.48	1.67	1.85
Mu(-), ton-m:	0.00	-0.05	-0.17	-0.37	-0.64	-0.99	-1.42	-1.91	-2.49	-3.15	-3.90
Mu(+), ton-m:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
As(-), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	0.00	0.42	0.84	1.26	1.68	2.10	2.52	2.94	3.36	3.43	3.43
Tu, ton-m:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00

DESIGN

B-7 13 #3 @ 15 B-8

BEAM: B(8-9) FLOOR: 4

Length: L = 4.83 m a = 0.25 m Section: b = 40.0 cm Sec: 40X40
Lu = 4.33 m c = 0.25 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.25	0.68	1.12	1.55	1.98	2.42	2.85	3.28	3.71	4.15	4.58
Mu(-), ton-m:	-5.17	-3.92	-2.76	-1.71	-1.41	-1.41	-1.41	-1.81	-3.00	-4.28	-5.64
Mu(+), ton-m:	4.21	3.55	2.84	2.09	1.41	1.41	1.41	1.86	2.58	3.24	3.84
As(-), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	3.77	3.74	3.56	3.38	3.20	3.30	3.48	3.65	3.83	4.01	4.05
Tu, ton-m:	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	8.00	8.00

DESIGN

B-8 11 #3 @ 8 15 #3 @ 17 11 #3 @ 8 B-9

BEAM: B(1-3) FLOOR: 5

Length: L = 5.08 m a = 0.25 m Section: b = 40.0 cm Sec: 40X40
Lu = 4.58 m c = 0.25 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.25	0.71	1.17	1.62	2.08	2.54	3.00	3.46	3.91	4.37	4.83
Mu(-), ton-m:	-5.05	-3.37	-1.97	-1.42	-1.42	-1.42	-1.42	-1.42	-2.30	-3.86	-5.67
Mu(+), ton-m:	2.53	2.20	2.14	2.02	1.68	1.42	1.52	1.72	1.82	1.83	2.84
As(-), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.57
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	4.51	4.37	3.86	3.35	2.84	2.65	3.16	3.67	4.19	4.70	4.83
Tu, ton-m:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	8.00	8.00

DESIGN

B-1 11 #3 @ 8 16 #3 @ 17 11 #3 @ 8 B-3

BEAM: B(3-4) FLOOR: 5

Length: L = 2.10 m a = 0.25 m Section: b = 40.0 cm Sec: 40X40
Lu = 1.73 m c = 0.13 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.25	0.42	0.60	0.77	0.94	1.11	1.29	1.46	1.63	1.80	1.98
Mu(-), ton-m:	-3.25	-2.78	-2.36	-1.97	-1.61	-1.27	-0.97	-0.81	-0.81	-0.81	-0.81
Mu(+), ton-m:	1.62	0.93	0.91	0.88	0.83	0.81	0.81	0.81	0.81	0.81	0.81
As(-), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	4.15	4.15	4.14	3.97	3.79	3.62	3.44	3.27	3.09	3.09	3.09
Tu, ton-m:	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	8.00	8.00	17.00	8.00	8.00	8.00	8.00	8.00

DESIGN

B-3 22 #3 @ 8 B-4

BEAM: B(7-8) FLOOR: 5

Length: L = 2.10 m a = 0.13 m Section: b = 40.0 cm Sec: 40X40
Lu = 1.73 m c = 0.25 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.13	0.30	0.47	0.64	0.82	0.99	1.16	1.33	1.51	1.68	1.85
Mu(-), ton-m:	-0.74	-0.74	-0.74	-0.74	-0.84	-1.11	-1.42	-1.76	-2.12	-2.51	-2.95
Mu(+), ton-m:	0.74	0.74	0.74	0.74	0.74	0.84	0.93	0.99	1.04	1.08	1.48
As(-), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	2.72	2.72	2.72	2.90	3.07	3.25	3.42	3.60	3.77	3.78	3.78
Tu, ton-m:	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	8.00	8.00	17.00	8.00	8.00	8.00	8.00	8.00

DESIGN

B-7 22 #3 @ 8 B-8

BEAM: B(8-9) FLOOR: 5

Length: L = 4.83 m a = 0.25 m Section: b = 40.0 cm Sec: 40X40
Lu = 4.33 m c = 0.25 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.25	0.68	1.12	1.55	1.98	2.42	2.85	3.28	3.71	4.15	4.58
Mu(-), ton-m:	-5.23	-3.58	-2.18	-1.52	-1.52	-1.52	-1.52	-1.52	-2.65	-4.25	-6.07
Mu(+), ton-m:	2.79	2.66	2.44	2.16	1.68	1.52	1.56	1.89	2.14	2.30	3.04
As(-), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.90
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	4.68	4.58	4.09	3.60	3.11	3.06	3.55	4.03	4.52	5.01	5.11
Tu, ton-m:	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	8.00	8.00

DESIGN

B-8 11 #3 @ 8 15 #3 @ 17 11 #3 @ 8 B-9

BEAM: C(1-2) FLOOR: 5

Length: L = 3.13 m a = 0.20 m Section: b = 25.0 cm Sec: 25X40
Lu = 2.93 m c = 0.00 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.20	0.49	0.79	1.08	1.37	1.67	1.96	2.25	2.54	2.84	3.13
Mu(-), ton-m:	-0.84	-0.84	-0.84	-0.84	-0.84	-0.84	-0.84	-0.84	-1.53	-2.39	-3.38
Mu(+), ton-m:	0.84	0.84	1.05	1.22	1.31	1.28	1.12	0.85	0.84	0.84	1.69
As(-), cm2:	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93
As(+), cm2:	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93
Vu, ton:	2.57	2.57	2.19	1.94	2.42	2.90	3.38	3.86	4.34	4.73	4.73
Tu, ton-m:	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	17.00	17.00	17.00	17.00	17.00	8.00	8.00	8.00

DESIGN

C-1 11 #3 @ 8 7 #3 @ 17 11 #3 @ 8 C-2

BEAM: C(2-3) FLOOR: 5

Length: L = 1.92 m a = 0.00 m Section: b = 25.0 cm Sec: 25X40
Lu = 1.92 m c = 0.00 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.00	0.19	0.38	0.58	0.77	0.96	1.15	1.34	1.54	1.73	1.92
Mu(-), ton-m:	-1.48	-1.16	-0.84	-0.53	-0.37	-0.37	-0.37	-0.46	-0.71	-0.96	-1.22
Mu(+), ton-m:	1.02	0.83	0.64	0.43	0.37	0.37	0.37	0.60	0.85	1.10	1.33
As(-), cm2:	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93
As(+), cm2:	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93
Vu, ton:	2.40	2.40	2.39	2.34	2.28	2.23	2.17	2.12	2.06	2.05	2.05
Tu, ton-m:	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	8.00	8.00	17.00	8.00	8.00	8.00	8.00	8.00

DESIGN

C-2 24 #3 @ 8 C-3

BEAM: C(3-4) FLOOR: 5

Length: L = 2.10 m a = 0.00 m Section: b = 25.0 cm Sec: 25X40
Lu = 1.85 m c = 0.25 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.00	0.19	0.37	0.55	0.74	0.93	1.11	1.30	1.48	1.67	1.85
Mu(-), ton-m:	-4.06	-3.05	-2.09	-1.40	-1.40	-1.40	-1.58	-2.50	-3.48	-4.51	-5.60
Mu(+), ton-m:	3.13	2.43	1.69	1.40	1.40	1.40	1.40	2.04	2.76	3.45	4.10
As(-), cm2:	3.18	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	3.55	4.46
As(+), cm2:	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	3.22
Vu, ton:	7.53	7.53	7.50	7.19	6.88	6.59	6.84	7.15	7.46	7.49	7.49
Tu, ton-m:	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	8.00	8.00	17.00	8.00	8.00	8.00	8.00	8.00

DESIGN

C-3 23 #3 @ 8 C-4

BEAM: C(4-4a) FLOOR: 5

Length: L = 2.54 m a = 0.25 m Section: b = 30.0 cm Sec: 30X40
Lu = 2.29 m c = 0.00 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.25	0.48	0.71	0.94	1.17	1.40	1.62	1.85	2.08	2.31	2.54
Mu(-), ton-m:	-6.80	-5.52	-4.38	-3.36	-2.48	-1.74	-1.12	-0.64	-0.30	-0.08	0.00
Mu(+), ton-m:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
As(-), cm2:	5.42	4.35	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52
As(+), cm2:	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52
Vu, ton:	5.03	5.03	4.75	4.16	3.56	2.97	2.37	1.78	1.19	0.59	0.00
Tu, ton-m:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	17.50	17.50	17.50	17.50	17.50	17.50	17.50	17.50	17.50	17.50	17.50

DESIGN

C-4 14 #3 @ 17.5 C-4a

BEAM: C(6-7) FLOOR: 5

Length: L = 2.31 m a = 0.00 m Section: b = 30.0 cm Sec: 30X40
Lu = 2.06 m c = 0.25 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.00	0.21	0.41	0.62	0.82	1.03	1.24	1.44	1.65	1.85	2.06
Mu(-), ton-m:	0.00	-0.07	-0.24	-0.51	-0.90	-1.38	-1.98	-2.68	-3.48	-4.39	-5.43
Mu(+), ton-m:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
As(-), cm2:	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	4.28
As(+), cm2:	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52
Vu, ton:	0.00	0.53	1.05	1.58	2.10	2.63	3.15	3.68	4.21	4.36	4.36
Tu, ton-m:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	17.50	17.50	17.50	17.50	17.50	17.50	17.50	17.50	17.50	17.50	17.50

DESIGN

C-6 13 #3 @ 17.5 C-7

BEAM: C(7-8) FLOOR: 5

Length: L = 2.10 m a = 0.25 m Section: b = 30.0 cm Sec: 30X40
Lu = 1.65 m c = 0.20 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.25	0.42	0.58	0.75	0.91	1.08	1.24	1.41	1.57	1.74	1.90
Mu(-), ton-m:	-4.62	-4.24	-3.91	-3.63	-3.38	-3.17	-3.01	-2.90	-2.83	-2.88	-3.14
Mu(+), ton-m:	2.31	1.28	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.57
As(-), cm2:	3.62	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52
As(+), cm2:	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52
Vu, ton:	1.85	1.85	1.85	1.63	1.73	1.97	2.23	2.49	2.72	2.72	2.72
Tu, ton-m:	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	8.00	8.00	17.00	8.00	8.00	8.00	8.00	8.00

DESIGN

C-7 21 #3 @ 8 C-8

BEAM: C(8-9) FLOOR: 5

Length: L = 4.86 m a = 0.20 m Section: b = 30.0 cm Sec: 30X40
Lu = 4.46 m c = 0.20 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.20	0.65	1.09	1.54	1.98	2.43	2.88	3.32	3.77	4.21	4.66
Mu(-), ton-m:	-2.92	-0.94	-0.73	-0.73	-0.73	-0.73	-0.73	-0.73	-0.73	-0.73	-0.73
Mu(+), ton-m:	1.46	0.73	1.15	2.51	3.48	4.03	4.09	3.72	2.94	1.73	0.73
As(-), cm2:	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52
As(+), cm2:	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52
Vu, ton:	4.72	4.53	3.73	2.93	2.14	1.34	0.90	1.70	2.49	3.29	3.46
Tu, ton-m:	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	8.00	8.00

DESIGN

C-8 11 #3 @ 8 16 #3 @ 17 11 #3 @ 8 C-9

BEAM: D(1-2) FLOOR: 5

Length: L = 3.10 m a = 0.25 m Section: b = 40.0 cm Sec: 40X40
Lu = 2.85 m c = 0.00 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.25	0.54	0.82	1.11	1.39	1.68	1.96	2.25	2.53	2.82	3.10
Mu(-), ton-m:	-7.02	-5.25	-3.66	-2.21	-2.20	-2.20	-2.20	-2.45	-4.37	-6.50	-8.81
Mu(+), ton-m:	6.50	5.68	4.76	3.67	2.42	2.20	2.20	2.47	3.30	4.04	4.67
As(-), cm2:	5.71	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	5.26	7.24
As(+), cm2:	5.26	4.57	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	8.72	8.72	8.21	7.58	7.96	8.58	9.21	9.84	10.46	10.97	10.97
Tu, ton-m:	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	17.00	17.00	17.00	16.00	15.00	8.00	8.00	8.00

DESIGN

D-1 11 #3 @ 8 4 #3 @ 17 3 #3 @ 15 11 #3 @ 8 D-2

BEAM: D(2-3) FLOOR: 5

Length: L = 1.92 m a = 0.00 m Section: b = 40.0 cm Sec: 40X40
Lu = 1.67 m c = 0.25 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.00	0.17	0.33	0.50	0.67	0.83	1.00	1.17	1.34	1.50	1.67
Mu(-), ton-m:	-1.37	-1.08	-0.80	-0.53	-0.34	-0.34	-0.34	-0.35	-0.57	-0.81	-1.07
Mu(+), ton-m:	0.97	0.81	0.64	0.46	0.34	0.34	0.34	0.42	0.62	0.81	1.00
As(-), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	2.35	2.35	2.35	2.28	2.22	2.15	2.08	2.01	1.99	1.99	1.99
Tu, ton-m:	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	8.00	8.00	17.00	8.00	8.00	8.00	8.00	8.00

DESIGN

D-2 21 #3 @ 8 D-3

BEAM: D(3-4) FLOOR: 5

Length: L = 2.10 m a = 0.25 m Section: b = 40.0 cm Sec: 40X40
Lu = 1.60 m c = 0.25 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.25	0.41	0.57	0.73	0.89	1.05	1.21	1.37	1.53	1.69	1.85
Mu(-), ton-m:	-9.48	-7.57	-5.74	-3.96	-2.61	-2.61	-2.61	-4.15	-6.19	-8.28	-10.45
Mu(+), ton-m:	8.79	7.08	5.33	3.54	2.61	2.61	2.61	2.83	4.43	6.00	7.52
As(-), cm2:	7.83	6.18	4.63	4.55	4.55	4.55	4.55	4.55	5.00	6.78	8.69
As(+), cm2:	7.22	5.75	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.84	6.13
Vu, ton:	16.82	16.82	16.82	16.88	17.22	17.56	17.90	18.24	18.54	18.54	18.54
Tu, ton-m:	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00

DESIGN

D-3 — 20 #3 @ 8 — D-4

BEAM: D(4-4a) FLOOR: 5

Length: L = 2.54 m a = 0.25 m Section: b = 40.0 cm Sec: 40X40
Lu = 2.29 m c = 0.00 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.25	0.48	0.71	0.94	1.17	1.40	1.62	1.85	2.08	2.31	2.54
Mu(-), ton-m:	-10.11	-8.21	-6.50	-5.00	-3.69	-2.58	-1.67	-0.96	-0.44	-0.12	0.00
Mu(+), ton-m:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
As(-), cm2:	8.39	6.72	5.27	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	7.51	7.51	7.06	6.18	5.29	4.41	3.53	2.65	1.76	0.88	0.00
Tu, ton-m:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00

DESIGN

D-4 — 16 #3 @ 15 — D-4a

BEAM: D(6-7) FLOOR: 5

Length: L = 2.31 m a = 0.00 m Section: b = 40.0 cm Sec: 40X40
Lu = 2.06 m c = 0.25 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.00	0.21	0.41	0.62	0.82	1.03	1.24	1.44	1.65	1.85	2.06
Mu(-), ton-m:	0.00	-0.10	-0.37	-0.80	-1.39	-2.14	-3.06	-4.14	-5.38	-6.79	-8.39
Mu(+), ton-m:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
As(-), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	5.51	6.88
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	0.00	0.81	1.63	2.44	3.25	4.07	4.88	5.69	6.51	6.79	6.79
Tu, ton-m:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00

DESIGN

D-6 — 15 #3 @ 15 — D-7

BEAM: D(7-8) FLOOR: 5

Length: L = 2.10 m a = 0.25 m Section: b = 40.0 cm Sec: 40X40
Lu = 1.60 m c = 0.25 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.25	0.41	0.57	0.73	0.89	1.05	1.21	1.37	1.53	1.69	1.85
Mu(-), ton-m:	-7.72	-6.21	-4.77	-3.39	-2.06	-1.93	-1.93	-1.93	-2.44	-3.26	-4.13
Mu(+), ton-m:	3.86	2.46	1.93	1.93	1.93	1.93	1.93	1.93	2.67	3.72	4.68
As(-), cm2:	6.30	5.02	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	13.81	13.81	13.81	13.51	13.17	12.83	12.49	12.15	11.85	11.85	11.85
Tu, ton-m:	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	8.00	8.00	12.00	8.00	8.00	8.00	8.00	8.00

DESIGN

D-7 — 20 #3 @ 8 — D-8

Company: AC INGENIERIA Engineer: ALVARO CABALLERO
Project: CASA CORREGIDOR - SOGAMOSO BLOQUE NUEVO 4:20:18 p. m. 4/05/2022

BEAM: D(8-9) FLOOR: 5

Length: L = 4.88 m a = 0.25 m Section: b = 40.0 cm Sec: 40X40
Lu = 4.38 m c = 0.25 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.25	0.69	1.13	1.56	2.00	2.44	2.88	3.32	3.75	4.19	4.63
Mu(-), ton-m:	-6.71	-4.08	-2.05	-2.05	-2.05	-2.05	-2.05	-2.05	-2.94	-5.33	-8.19
Mu(+), ton-m:	3.35	2.20	2.52	2.74	2.60	2.52	2.71	2.66	2.41	2.05	4.09
As(-), cm2:	5.44	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	6.71
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	7.54	7.32	6.33	5.34	4.35	3.96	4.95	5.94	6.93	7.92	8.14
Tu, ton-m:	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	8.00	8.00

DESIGN

D-8 11 #3 @ 8 15 #3 @ 17 11 #3 @ 8 D-9

BEAM: E(1-3) FLOOR: 5

Length: L = 4.96 m a = 0.25 m Section: b = 40.0 cm Sec: 40X40
Lu = 4.46 m c = 0.25 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.25	0.70	1.14	1.59	2.03	2.48	2.93	3.37	3.82	4.26	4.71
Mu(-), ton-m:	-9.42	-5.76	-2.80	-2.36	-2.36	-2.36	-2.36	-2.36	-2.74	-5.67	-9.31
Mu(+), ton-m:	4.71	2.36	2.60	3.19	3.41	3.52	3.45	3.27	2.67	2.36	4.65
As(-), cm2:	7.78	4.64	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.57	7.68
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	10.35	10.02	8.62	7.22	5.82	4.42	5.74	7.14	8.54	9.93	10.27
Tu, ton-m:	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	8.00	8.00

DESIGN

E-1 11 #3 @ 8 16 #3 @ 17 11 #3 @ 8 E-3

BEAM: E(3-4) FLOOR: 5

Length: L = 2.10 m a = 0.25 m Section: b = 40.0 cm Sec: 40X40
Lu = 1.85 m c = 0.00 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.25	0.44	0.62	0.81	0.99	1.18	1.36	1.55	1.73	1.92	2.10
Mu(-), ton-m:	-8.59	-6.94	-5.48	-4.22	-3.12	-2.18	-1.42	-0.81	-0.38	-0.11	0.00
Mu(+), ton-m:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
As(-), cm2:	7.05	5.64	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	7.55	7.55	7.40	6.47	5.55	4.62	3.70	2.77	1.85	0.92	0.00
Tu, ton-m:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00

DESIGN

E-3 13 #3 @ 15 E-4

BEAM: E(7-8) FLOOR: 5

Length: L = 2.10 m a = 0.00 m Section: b = 40.0 cm Sec: 40X40
Lu = 1.85 m c = 0.25 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.00	0.19	0.37	0.56	0.74	0.93	1.11	1.30	1.48	1.67	1.85
Mu(-), ton-m:	0.00	-0.11	-0.40	-0.87	-1.51	-2.33	-3.33	-4.50	-5.85	-7.40	-9.16
Mu(+), ton-m:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
As(-), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.72	6.03	7.55
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	0.00	0.99	1.97	2.96	3.95	4.93	5.92	6.90	7.89	8.05	8.05
Tu, ton-m:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00

DESIGN

E-7 13 #3 @ 15 E-8

BEAM: E(8-9) FLOOR: 5

Length: L = 4.90 m a = 0.25 m Section: b = 40.0 cm Sec: 40X40
Lu = 4.40 m c = 0.25 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.25	0.69	1.13	1.57	2.01	2.45	2.89	3.33	3.77	4.21	4.65
Mu(-), ton-m:	-8.73	-5.25	-2.48	-2.48	-2.48	-2.48	-2.48	-2.48	-3.15	-6.21	-9.92
Mu(+), ton-m:	4.36	2.48	2.91	3.43	3.48	3.41	3.27	3.00	2.48	2.48	4.96
As(-), cm2:	7.17	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	5.02	8.22
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	10.04	9.73	8.34	6.96	5.58	4.82	6.20	7.58	8.96	10.34	10.66
Tu, ton-m:	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	8.00	8.00

DESIGN

E-8 11 #3 @ 8 15 #3 @ 17 11 #3 @ 8 E-9

BEAM: F(1-3) FLOOR: 5

Length: L = 4.88 m a = 0.25 m Section: b = 40.0 cm Sec: 40X40
Lu = 4.38 m c = 0.25 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.25	0.69	1.13	1.56	2.00	2.44	2.88	3.32	3.75	4.19	4.63
Mu(-), ton-m:	-8.69	-5.77	-3.30	-2.17	-2.17	-2.17	-2.17	-2.17	-2.67	-4.78	-7.38
Mu(+), ton-m:	4.34	2.91	3.01	3.00	2.79	2.58	3.05	3.52	3.64	3.59	3.69
As(-), cm2:	7.14	4.65	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	6.01
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	8.06	7.86	6.96	6.07	5.17	4.28	4.46	5.36	6.25	7.15	7.35
Tu, ton-m:	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	8.00	8.00

DESIGN

F-1 11 #3 @ 8 15 #3 @ 17 11 #3 @ 8 F-3

BEAM: F(8-9) FLOOR: 5

Length: L = 4.94 m a = 0.25 m Section: b = 40.0 cm Sec: 40X40
Lu = 4.44 m c = 0.25 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.25	0.69	1.14	1.58	2.03	2.47	2.91	3.36	3.80	4.25	4.69
Mu(-), ton-m:	-6.66	-4.23	-2.32	-2.22	-2.22	-2.22	-2.22	-2.22	-3.37	-5.92	-8.90
Mu(+), ton-m:	3.37	3.61	3.74	3.60	3.11	2.62	2.67	2.71	2.64	2.43	4.45
As(-), cm2:	5.40	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.78	7.32
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	7.03	6.82	5.93	5.03	4.13	4.44	5.34	6.23	7.13	8.03	8.24
Tu, ton-m:	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	8.00	8.00

DESIGN

F-8 11 #3 @ 8 16 #3 @ 17 11 #3 @ 8 F-9

BEAM: A(1-3) FLOOR: 6

Length: L = 5.14 m a = 0.25 m Section: b = 40.0 cm Sec: 40X40
Lu = 4.64 m c = 0.25 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.25	0.71	1.18	1.64	2.11	2.57	3.03	3.50	3.96	4.43	4.89
Mu(-), ton-m:	-2.84	-1.94	-1.25	-1.25	-1.25	-1.25	-1.25	-1.36	-2.43	-3.66	-5.02
Mu(+), ton-m:	1.93	1.84	1.68	1.39	1.25	1.25	1.25	1.25	1.25	1.25	2.51
As(-), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	2.86	2.78	2.47	2.15	2.32	2.63	2.94	3.26	3.57	3.88	3.97
Tu, ton-m:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	8.00	8.00

DESIGN

A-1 11 #3 @ 8 17 #3 @ 17 11 #3 @ 8 A-3

Company: AC INGENIERIA Engineer: ALVARO CABALLERO
Project: CASA CORREGIDOR - SOGAMOSO BLOQUE NUEVO 4:20:18 p. m. 4/05/2022

BEAM: A(3-4) FLOOR: 6

Length: L = 2.10 m a = 0.25 m Section: b = 40.0 cm Sec: 40X40
Lu = 1.70 m c = 0.15 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.25	0.42	0.59	0.76	0.93	1.10	1.27	1.44	1.61	1.78	1.95
Mu(-), ton-m:	-9.12	-8.21	-7.33	-6.47	-5.63	-4.80	-4.00	-3.22	-2.47	-2.28	-2.28
Mu(+), ton-m:	4.56	2.28	2.28	2.28	2.28	2.28	2.28	2.28	2.28	2.28	2.28
As(-), cm2:	7.51	6.72	5.97	5.24	4.55	4.55	4.55	4.55	4.55	4.55	4.55
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	5.42	5.42	5.42	5.33	5.23	5.14	5.05	4.95	4.86	4.86	4.86
Tu, ton-m:	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	8.00	8.00	17.00	8.00	8.00	8.00	8.00	8.00

DESIGN

A-3 21 #3 @ 8 A-4

BEAM: A(7-8) FLOOR: 6

Length: L = 2.10 m a = 0.15 m Section: b = 40.0 cm Sec: 40X40
Lu = 1.70 m c = 0.25 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.15	0.32	0.49	0.66	0.83	1.00	1.17	1.34	1.51	1.68	1.85
Mu(-), ton-m:	-2.31	-2.31	-2.49	-3.26	-4.05	-4.87	-5.70	-6.56	-7.43	-8.33	-9.25
Mu(+), ton-m:	2.31	2.31	2.31	2.31	2.31	2.31	2.31	2.31	2.31	2.31	4.63
As(-), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.59	5.31	6.06	6.82	7.63
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	4.95	4.95	4.95	5.04	5.13	5.23	5.32	5.42	5.51	5.51	5.51
Tu, ton-m:	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	8.00	8.00	17.00	8.00	8.00	8.00	8.00	8.00

DESIGN

A-7 21 #3 @ 8 A-8

BEAM: A(8-9) FLOOR: 6

Length: L = 4.79 m a = 0.25 m Section: b = 40.0 cm Sec: 40X40
Lu = 4.29 m c = 0.25 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.25	0.68	1.11	1.54	1.97	2.40	2.82	3.25	3.68	4.11	4.54
Mu(-), ton-m:	-4.83	-3.58	-2.44	-1.43	-1.21	-1.21	-1.21	-1.21	-1.50	-2.31	-3.25
Mu(+), ton-m:	2.42	1.21	1.21	1.21	1.21	1.21	1.21	1.28	1.62	1.89	2.09
As(-), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	3.89	3.83	3.55	3.26	2.97	2.68	2.39	2.38	2.67	2.96	3.02
Tu, ton-m:	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	8.00	8.00

DESIGN

A-8 11 #3 @ 8 15 #3 @ 17 11 #3 @ 8 A-9

BEAM: B(1-3) FLOOR: 6

Length: L = 5.08 m a = 0.25 m Section: b = 40.0 cm Sec: 40X40
Lu = 4.58 m c = 0.25 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.25	0.71	1.17	1.62	2.08	2.54	3.00	3.46	3.91	4.37	4.83
Mu(-), ton-m:	-3.86	-2.60	-1.56	-1.12	-1.12	-1.12	-1.12	-1.12	-1.85	-3.09	-4.49
Mu(+), ton-m:	1.93	1.82	1.73	1.59	1.29	1.12	1.12	1.18	1.29	1.32	2.24
As(-), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	3.40	3.30	2.91	2.53	2.14	2.14	2.52	2.91	3.29	3.68	3.78
Tu, ton-m:	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	8.00	8.00

DESIGN

B-1 11 #3 @ 8 16 #3 @ 17 11 #3 @ 8 B-3

BEAM: B(3-4) FLOOR: 6

Length: L = 2.10 m a = 0.25 m Section: b = 40.0 cm Sec: 40X40
Lu = 1.70 m c = 0.15 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.25	0.42	0.59	0.76	0.93	1.10	1.27	1.44	1.61	1.78	1.95
Mu(-), ton-m:	-4.79	-4.26	-3.76	-3.28	-2.82	-2.38	-1.96	-1.61	-1.28	-1.20	-1.20
Mu(+), ton-m:	2.40	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20
As(-), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	2.91	2.91	2.91	2.79	2.67	2.56	2.45	2.33	2.22	2.22	2.22
Tu, ton-m:	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	8.00	8.00	17.00	8.00	8.00	8.00	8.00	8.00

DESIGN

B-3 21 #3 @ 8 B-4

BEAM: B(7-8) FLOOR: 6

Length: L = 2.10 m a = 0.15 m Section: b = 40.0 cm Sec: 40X40
Lu = 1.70 m c = 0.25 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.15	0.32	0.49	0.66	0.83	1.00	1.17	1.34	1.51	1.68	1.85
Mu(-), ton-m:	-1.05	-1.05	-1.12	-1.39	-1.69	-2.05	-2.43	-2.84	-3.26	-3.70	-4.18
Mu(+), ton-m:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	2.09
As(-), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	1.83	1.83	1.83	1.94	2.06	2.18	2.31	2.45	2.58	2.58	2.58
Tu, ton-m:	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	8.00	8.00	17.00	8.00	8.00	8.00	8.00	8.00

DESIGN

B-7 21 #3 @ 8 B-8

BEAM: B(8-9) FLOOR: 6

Length: L = 4.83 m a = 0.25 m Section: b = 40.0 cm Sec: 40X40
Lu = 4.33 m c = 0.25 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.25	0.68	1.12	1.55	1.98	2.42	2.85	3.28	3.71	4.15	4.58
Mu(-), ton-m:	-3.82	-2.60	-1.56	-1.14	-1.14	-1.14	-1.14	-1.14	-2.03	-3.21	-4.56
Mu(+), ton-m:	1.99	1.89	1.72	1.50	1.15	1.14	1.14	1.37	1.57	1.68	2.28
As(-), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	3.46	3.39	3.02	2.66	2.30	2.26	2.62	2.98	3.35	3.71	3.78
Tu, ton-m:	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	8.00	8.00

DESIGN

B-8 11 #3 @ 8 15 #3 @ 17 11 #3 @ 8 B-9

BEAM: C(1-2) FLOOR: 6

Length: L = 3.13 m a = 0.20 m Section: b = 25.0 cm Sec: 25X40
Lu = 2.93 m c = 0.00 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.20	0.49	0.79	1.08	1.37	1.67	1.96	2.25	2.54	2.84	3.13
Mu(-), ton-m:	-0.49	-0.49	-0.49	-0.49	-0.49	-0.49	-0.50	-0.76	-1.11	-1.50	-1.95
Mu(+), ton-m:	0.49	0.49	0.49	0.54	0.63	0.67	0.66	0.63	0.60	0.53	0.97
As(-), cm2:	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93
As(+), cm2:	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93
Vu, ton:	1.26	1.26	1.12	1.15	1.33	1.50	1.67	1.84	2.02	2.15	2.15
Tu, ton-m:	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	17.00	17.00	17.00	17.00	17.00	8.00	8.00	8.00

DESIGN

C-1 11 #3 @ 8 7 #3 @ 17 11 #3 @ 8 C-2

Company: AC INGENIERIA Engineer: ALVARO CABALLERO
Project: CASA CORREGIDOR - SOGAMOSO BLOQUE NUEVO 4:20:18 p. m. 4/05/2022

BEAM: C(2-3) FLOOR: 6

Length: L = 1.92 m a = 0.00 m Section: b = 25.0 cm Sec: 25X40
Lu = 1.92 m c = 0.00 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.00	0.19	0.38	0.58	0.77	0.96	1.15	1.34	1.54	1.73	1.92
Mu(-), ton-m:	-1.40	-1.09	-0.78	-0.49	-0.35	-0.35	-0.35	-0.43	-0.66	-0.89	-1.13
Mu(+), ton-m:	0.92	0.75	0.57	0.39	0.35	0.35	0.35	0.56	0.80	1.03	1.25
As(-), cm2:	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93
As(+), cm2:	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93
Vu, ton:	2.28	2.28	2.27	2.22	2.16	2.11	2.05	2.00	1.94	1.93	1.93
Tu, ton-m:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	8.00	8.00	17.00	8.00	8.00	8.00	8.00	8.00

DESIGN

C-2 24 #3 @ 8 C-3

BEAM: C(3-4) FLOOR: 6

Length: L = 2.10 m a = 0.00 m Section: b = 25.0 cm Sec: 25X40
Lu = 1.85 m c = 0.25 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.00	0.19	0.37	0.55	0.74	0.93	1.11	1.30	1.48	1.67	1.85
Mu(-), ton-m:	-2.82	-2.13	-1.46	-0.80	-0.70	-0.70	-0.77	-1.18	-1.60	-2.04	-2.49
Mu(+), ton-m:	1.43	1.09	0.75	0.70	0.70	0.70	1.05	1.63	2.19	2.73	3.25
As(-), cm2:	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93
As(+), cm2:	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93
Vu, ton:	5.73	5.73	5.72	5.62	5.53	5.43	5.33	5.23	5.14	5.13	5.13
Tu, ton-m:	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	8.00	8.00	17.00	8.00	8.00	8.00	8.00	8.00

DESIGN

C-3 23 #3 @ 8 C-4

BEAM: C(7-8) FLOOR: 6

Length: L = 2.10 m a = 0.25 m Section: b = 30.0 cm Sec: 30X40
Lu = 1.65 m c = 0.20 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.25	0.42	0.58	0.75	0.91	1.08	1.24	1.41	1.57	1.74	1.90
Mu(-), ton-m:	-2.21	-2.02	-1.84	-1.68	-1.54	-1.41	-1.30	-1.21	-1.13	-1.07	-1.03
Mu(+), ton-m:	1.11	1.02	0.92	0.81	0.68	0.55	0.55	0.55	0.55	0.55	0.55
As(-), cm2:	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52
As(+), cm2:	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52
Vu, ton:	1.01	1.01	1.01	0.92	0.83	0.90	1.00	1.10	1.19	1.19	1.19
Tu, ton-m:	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	8.00	8.00	17.00	8.00	8.00	8.00	8.00	8.00

DESIGN

C-7 21 #3 @ 8 C-8

BEAM: C(8-9) FLOOR: 6

Length: L = 4.86 m a = 0.20 m Section: b = 30.0 cm Sec: 30X40
Lu = 4.46 m c = 0.20 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.20	0.65	1.09	1.54	1.98	2.43	2.88	3.32	3.77	4.21	4.66
Mu(-), ton-m:	-0.90	-0.29	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22
Mu(+), ton-m:	0.45	0.22	0.63	1.05	1.39	1.57	1.56	1.41	1.10	0.67	0.22
As(-), cm2:	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52
As(+), cm2:	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52
Vu, ton:	1.67	1.60	1.30	1.01	0.71	0.42	0.35	0.64	0.93	1.23	1.29
Tu, ton-m:	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	8.00	8.00

DESIGN

C-8 11 #3 @ 8 16 #3 @ 17 11 #3 @ 8 C-9

Company: AC INGENIERIA Engineer: ALVARO CABALLERO
Project: CASA CORREGIDOR - SOGAMOSO BLOQUE NUEVO 4:20:18 p. m. 4/05/2022

BEAM: D(1-2) FLOOR: 6

Length: L = 3.10 m a = 0.25 m Section: b = 40.0 cm Sec: 40X40
Lu = 2.85 m c = 0.00 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.25	0.54	0.82	1.11	1.39	1.68	1.96	2.25	2.53	2.82	3.10
Mu(-), ton-m:	-4.55	-3.50	-2.49	-1.60	-1.60	-1.60	-1.60	-2.20	-3.54	-4.94	-6.41
Mu(+), ton-m:	5.24	4.38	3.45	2.46	1.60	1.60	1.60	1.85	2.58	3.26	3.89
As(-), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	5.18
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	5.73	5.73	5.82	6.06	6.29	6.53	6.77	7.01	7.25	7.44	7.44
Tu, ton-m:	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	17.00	17.00	17.00	17.00	17.00	8.00	8.00	8.00

DESIGN

D-1 11 #3 @ 8 6 #3 @ 17 11 #3 @ 8 D-2

BEAM: D(2-3) FLOOR: 6

Length: L = 1.92 m a = 0.00 m Section: b = 40.0 cm Sec: 40X40
Lu = 1.67 m c = 0.25 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.00	0.17	0.33	0.50	0.67	0.83	1.00	1.17	1.34	1.50	1.67
Mu(-), ton-m:	-1.35	-1.06	-0.79	-0.52	-0.34	-0.34	-0.34	-0.36	-0.58	-0.82	-1.07
Mu(+), ton-m:	0.93	0.77	0.61	0.43	0.34	0.34	0.34	0.42	0.62	0.81	0.99
As(-), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	2.33	2.33	2.33	2.27	2.20	2.13	2.07	2.00	1.97	1.97	1.97
Tu, ton-m:	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	8.00	8.00	17.00	8.00	8.00	8.00	8.00	8.00

DESIGN

D-2 21 #3 @ 8 D-3

BEAM: D(3-4) FLOOR: 6

Length: L = 2.10 m a = 0.25 m Section: b = 40.0 cm Sec: 40X40
Lu = 1.60 m c = 0.25 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.25	0.41	0.57	0.73	0.89	1.05	1.21	1.37	1.53	1.69	1.85
Mu(-), ton-m:	-7.24	-5.84	-4.46	-3.10	-1.81	-1.81	-1.81	-1.81	-2.49	-3.53	-4.58
Mu(+), ton-m:	5.31	4.39	3.45	2.49	1.81	1.81	1.81	2.14	3.40	4.64	5.86
As(-), cm2:	5.89	4.70	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.72
Vu, ton:	13.03	13.03	13.03	12.94	12.83	12.73	12.62	12.52	12.43	12.43	12.43
Tu, ton-m:	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00

DESIGN

D-3 20 #3 @ 8 D-4

BEAM: D(7-8) FLOOR: 6

Length: L = 2.10 m a = 0.25 m Section: b = 40.0 cm Sec: 40X40
Lu = 1.60 m c = 0.25 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.25	0.41	0.57	0.73	0.89	1.05	1.21	1.37	1.53	1.69	1.85
Mu(-), ton-m:	-2.99	-2.37	-1.78	-1.20	-0.75	-0.75	-0.75	-0.75	-0.75	-0.97	-1.36
Mu(+), ton-m:	1.85	1.60	1.32	1.04	0.75	0.75	0.75	0.89	1.36	1.82	2.24
As(-), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	5.64	5.64	5.64	5.55	5.45	5.34	5.24	5.13	5.04	5.04	5.04
Tu, ton-m:	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	8.00	8.00	17.00	8.00	8.00	8.00	8.00	8.00

DESIGN

D-7 20 #3 @ 8 D-8

BEAM: D(8-9) FLOOR: 6

Length: L = 4.88 m a = 0.25 m Section: b = 40.0 cm Sec: 40X40
Lu = 4.38 m c = 0.25 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.25	0.69	1.13	1.56	2.00	2.44	2.88	3.32	3.75	4.19	4.63
Mu(-), ton-m:	-3.62	-2.41	-1.40	-1.11	-1.11	-1.11	-1.11	-1.11	-1.92	-3.10	-4.45
Mu(+), ton-m:	1.91	1.86	1.74	1.56	1.24	1.11	1.30	1.52	1.66	1.74	2.23
As(-), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	3.41	3.32	2.95	2.59	2.22	2.18	2.55	2.92	3.29	3.66	3.74
Tu, ton-m:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	8.00	8.00

DESIGN

D-8 11 #3 @ 8 15 #3 @ 17 11 #3 @ 8 D-9

BEAM: E(1-3) FLOOR: 6

Length: L = 4.96 m a = 0.25 m Section: b = 40.0 cm Sec: 40X40
Lu = 4.46 m c = 0.25 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.25	0.70	1.14	1.59	2.03	2.48	2.93	3.37	3.82	4.26	4.71
Mu(-), ton-m:	-4.14	-2.82	-1.74	-1.58	-1.58	-1.58	-1.58	-1.58	-2.95	-4.54	-6.32
Mu(+), ton-m:	2.37	2.27	2.08	1.78	1.58	1.58	1.58	1.58	1.58	1.58	3.16
As(-), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	5.11
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	4.10	3.99	3.52	3.05	2.83	3.29	3.76	4.23	4.70	5.16	5.27
Tu, ton-m:	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	8.00	8.00

DESIGN

E-1 11 #3 @ 8 16 #3 @ 17 11 #3 @ 8 E-3

BEAM: E(3-4) FLOOR: 6

Length: L = 2.10 m a = 0.25 m Section: b = 40.0 cm Sec: 40X40
Lu = 1.70 m c = 0.15 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.25	0.42	0.59	0.76	0.93	1.10	1.27	1.44	1.61	1.78	1.95
Mu(-), ton-m:	-12.36	-11.14	-9.96	-8.81	-7.69	-6.60	-5.53	-4.51	-3.51	-3.09	-3.09
Mu(+), ton-m:	6.18	3.09	3.09	3.09	3.09	3.09	3.09	3.09	3.09	3.09	3.09
As(-), cm2:	10.42	9.31	8.25	7.24	6.28	5.34	4.55	4.55	4.55	4.55	4.55
As(+), cm2:	4.99	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	7.22	7.22	7.22	7.09	6.95	6.82	6.68	6.55	6.41	6.41	6.41
Tu, ton-m:	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	8.00	8.00	17.00	8.00	8.00	8.00	8.00	8.00

DESIGN

E-3 21 #3 @ 8 E-4

BEAM: E(7-8) FLOOR: 6

Length: L = 2.10 m a = 0.15 m Section: b = 40.0 cm Sec: 40X40
Lu = 1.70 m c = 0.25 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.15	0.32	0.49	0.66	0.83	1.00	1.17	1.34	1.51	1.68	1.85
Mu(-), ton-m:	-3.02	-3.02	-3.43	-4.39	-5.40	-6.43	-7.50	-8.60	-9.72	-10.87	-12.07
Mu(+), ton-m:	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	6.03
As(-), cm2:	4.55	4.55	4.55	4.55	4.55	5.21	6.11	7.06	8.04	9.07	10.16
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.87
Vu, ton:	6.25	6.25	6.25	6.39	6.52	6.66	6.79	6.93	7.06	7.06	7.06
Tu, ton-m:	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	8.00	8.00	17.00	8.00	8.00	8.00	8.00	8.00

DESIGN

E-7 21 #3 @ 8 E-8

BEAM: E(8-9) FLOOR: 6

Length: L = 4.90 m a = 0.25 m Section: b = 40.0 cm Sec: 40X40
Lu = 4.40 m c = 0.25 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.25	0.69	1.13	1.57	2.01	2.45	2.89	3.33	3.77	4.21	4.65
Mu(-), ton-m:	-5.81	-4.17	-2.72	-1.46	-1.45	-1.45	-1.45	-1.45	-1.71	-2.74	-3.98
Mu(+), ton-m:	2.91	1.45	1.45	1.45	1.45	1.45	1.45	1.54	1.79	1.96	2.03
As(-), cm2:	4.68	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	4.88	4.78	4.33	3.89	3.45	3.00	2.56	2.83	3.28	3.72	3.82
Tu, ton-m:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	8.00	8.00

DESIGN

E-8 11 #3 @ 8 15 #3 @ 17 11 #3 @ 8 E-9

BEAM: F(1-3) FLOOR: 6

Length: L = 4.88 m a = 0.25 m Section: b = 40.0 cm Sec: 40X40
Lu = 4.38 m c = 0.25 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.25	0.69	1.13	1.56	2.00	2.44	2.88	3.32	3.75	4.19	4.63
Mu(-), ton-m:	-3.78	-2.81	-2.12	-2.12	-2.12	-2.12	-2.12	-2.99	-4.66	-6.49	-8.47
Mu(+), ton-m:	4.24	3.68	2.96	2.12	2.12	2.12	2.12	2.12	2.12	2.12	4.23
As(-), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	5.26	6.95
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	4.17	4.09	4.32	4.67	5.02	5.36	5.71	6.06	6.41	6.75	6.83
Tu, ton-m:	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	8.00	8.00

DESIGN

F-1 11 #3 @ 8 15 #3 @ 17 11 #3 @ 8 F-3

BEAM: F(3-4) FLOOR: 6

Length: L = 2.10 m a = 0.25 m Section: b = 40.0 cm Sec: 40X40
Lu = 1.70 m c = 0.15 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.25	0.42	0.59	0.76	0.93	1.10	1.27	1.44	1.61	1.78	1.95
Mu(-), ton-m:	-19.41	-17.53	-15.69	-13.89	-12.12	-10.37	-8.66	-6.98	-5.34	-4.85	-4.85
Mu(+), ton-m:	9.70	4.85	4.85	4.85	4.85	4.85	4.85	4.85	4.85	4.85	4.85
As(-), cm2:	17.32	15.39	13.58	11.85	10.20	8.62	7.11	5.67	4.55	4.55	4.55
As(+), cm2:	8.03	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	11.39	11.39	11.39	11.25	11.11	10.97	10.83	10.69	10.54	10.54	10.54
Tu, ton-m:	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	8.00	8.00	17.00	8.00	8.00	8.00	8.00	8.00

DESIGN

F-3 21 #3 @ 8 F-4

BEAM: F(7-8) FLOOR: 6

Length: L = 2.10 m a = 0.15 m Section: b = 40.0 cm Sec: 40X40
Lu = 1.70 m c = 0.25 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.15	0.32	0.49	0.66	0.83	1.00	1.17	1.34	1.51	1.68	1.85
Mu(-), ton-m:	-4.97	-4.97	-5.45	-7.13	-8.85	-10.61	-12.40	-14.22	-16.08	-17.96	-19.89
Mu(+), ton-m:	4.97	4.97	4.97	4.97	4.97	4.97	4.97	4.97	4.97	4.97	9.94
As(-), cm2:	4.55	4.55	4.55	5.80	7.28	8.84	10.46	12.17	13.95	15.83	17.83
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	8.24
Vu, ton:	10.83	10.83	10.83	10.97	11.12	11.26	11.40	11.55	11.69	11.69	11.69
Tu, ton-m:	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	8.00	8.00	17.00	8.00	8.00	8.00	8.00	8.00

DESIGN

F-7 21 #3 @ 8 F-8

Company: AC INGENIERIA Engineer: ALVARO CABALLERO
Project: CASA CORREGIDOR - SOGAMOSO BLOQUE NUEVO 4:20:18 p. m. 4/05/2022

BEAM: F(8-9) FLOOR: 6

Length: L = 4.94 m a = 0.25 m Section: b = 40.0 cm Sec: 40X40
Lu = 4.44 m c = 0.25 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.25	0.69	1.14	1.58	2.03	2.47	2.91	3.36	3.80	4.25	4.69
Mu(-), ton-m:	-7.70	-5.90	-4.23	-2.71	-1.93	-1.93	-1.93	-1.93	-1.93	-2.40	-3.25
Mu(+), ton-m:	3.85	1.93	1.93	1.93	1.93	1.93	1.93	1.93	2.50	3.08	3.51
As(-), cm2:	6.29	4.75	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	6.15	6.07	5.74	5.41	5.08	4.74	4.41	4.08	3.75	3.60	3.68
Tu, ton-m:	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	8.00	8.00

DESIGN

F-8 11 #3 @ 8 16 #3 @ 17 11 #3 @ 8 F-9

BEAM: G(3-4) FLOOR: 6

Length: L = 2.10 m a = 0.20 m Section: b = 40.0 cm Sec: 40X40
Lu = 1.75 m c = 0.15 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.20	0.38	0.55	0.73	0.90	1.08	1.25	1.43	1.60	1.78	1.95
Mu(-), ton-m:	-4.83	-4.30	-3.79	-3.31	-2.84	-2.40	-1.98	-1.60	-1.23	-1.21	-1.21
Mu(+), ton-m:	2.42	1.21	1.21	1.21	1.21	1.21	1.21	1.21	1.21	1.21	1.21
As(-), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	3.11	3.11	3.10	3.00	2.89	2.78	2.68	2.57	2.47	2.46	2.46
Tu, ton-m:	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	8.00	8.00	17.00	8.00	8.00	8.00	8.00	8.00

DESIGN

G-3 22 #3 @ 8 G-4

BEAM: G(7-8) FLOOR: 6

Length: L = 2.10 m a = 0.15 m Section: b = 40.0 cm Sec: 40X40
Lu = 1.75 m c = 0.20 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.15	0.33	0.50	0.68	0.85	1.03	1.20	1.38	1.55	1.73	1.90
Mu(-), ton-m:	-1.19	-1.19	-1.21	-1.57	-1.95	-2.35	-2.79	-3.24	-3.72	-4.22	-4.74
Mu(+), ton-m:	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	2.37
As(-), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	2.40	2.40	2.41	2.52	2.62	2.73	2.84	2.95	3.06	3.06	3.06
Tu, ton-m:	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	8.00	8.00	17.00	8.00	8.00	8.00	8.00	8.00

DESIGN

G-7 22 #3 @ 8 G-8

BEAM: 1(A-B) FLOOR: 2

Length: L = 3.11 m a = 0.20 m Section: b = 40.0 cm Sec: 40X40
Lu = 2.71 m c = 0.20 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.20	0.47	0.74	1.01	1.28	1.56	1.83	2.10	2.37	2.64	2.91
Mu(-), ton-m:	-4.65	-3.22	-2.04	-1.16	-1.16	-1.16	-1.16	-1.16	-1.50	-2.63	-4.03
Mu(+), ton-m:	2.52	2.38	2.23	2.07	1.80	1.59	1.44	1.66	1.82	1.97	2.11
As(-), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	6.19	6.19	5.66	4.95	4.24	3.53	4.10	4.81	5.52	6.05	6.05
Tu, ton-m:	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	17.00	17.00	17.00	17.00	17.00	8.00	8.00	8.00

DESIGN

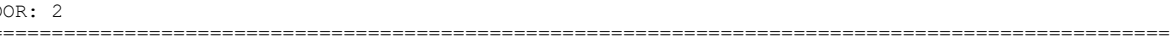
A-1 11 #3 @ 8 5 #3 @ 17 11 #3 @ 8 B-1

BEAM: 1(B-C) FLOOR: 2

Length: L = 1.88 m a = 0.20 m Section: b = 40.0 cm Sec: 40X40
Lu = 1.56 m c = 0.13 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.20	0.36	0.51	0.67	0.82	0.98	1.13	1.29	1.44	1.60	1.76
Mu(-), ton-m:	-3.92	-3.36	-2.81	-2.28	-1.76	-1.25	-0.98	-0.98	-0.98	-0.98	-0.98
Mu(+), ton-m:	1.96	1.26	1.24	1.21	1.17	1.12	1.06	1.06	1.05	1.10	1.28
As(-), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	4.09	4.09	4.09	4.02	3.94	3.85	3.77	3.68	3.61	3.61	3.61
Tu, ton-m:	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00

DESIGN

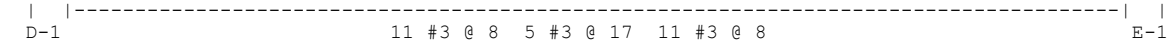


BEAM: 1(C-D) FLOOR: 2

Length: L = 1.97 m a = 0.13 m Section: b = 40.0 cm Sec: 40X40
Lu = 1.65 m c = 0.20 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.13	0.29	0.45	0.62	0.78	0.95	1.11	1.28	1.44	1.61	1.77
Mu(-), ton-m:	-0.87	-0.87	-0.87	-0.87	-0.87	-1.19	-1.59	-2.03	-2.49	-2.97	-3.46
Mu(+), ton-m:	1.45	1.44	1.48	1.49	1.49	1.47	1.47	1.47	1.48	1.47	1.73
As(-), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	3.08	3.08	3.08	3.17	3.26	3.36	3.45	3.55	3.64	3.64	3.64
Tu, ton-m:	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	8.00	8.00	17.00	8.00	8.00	8.00	8.00	8.00

DESIGN



BEAM: 1(D-E) FLOOR: 2

Length: L = 3.10 m a = 0.20 m Section: b = 40.0 cm Sec: 40X40
Lu = 2.70 m c = 0.20 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.20	0.47	0.74	1.01	1.28	1.55	1.82	2.09	2.36	2.63	2.90
Mu(-), ton-m:	-4.10	-3.15	-2.26	-1.41	-1.02	-1.02	-1.02	-1.23	-1.94	-2.72	-3.55
Mu(+), ton-m:	2.66	2.22	1.74	1.23	1.02	1.02	1.02	1.41	1.98	2.52	3.04
As(-), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	4.57	4.57	4.43	4.25	4.07	3.89	3.71	3.82	4.00	4.14	4.14
Tu, ton-m:	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	17.00	17.00	17.00	17.00	17.00	8.00	8.00	8.00

DESIGN



BEAM: 1(E-F) FLOOR: 2

Length: L = 4.67 m a = 0.20 m Section: b = 40.0 cm Sec: 40X40
Lu = 4.27 m c = 0.20 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.20	0.63	1.05	1.48	1.91	2.34	2.76	3.19	3.62	4.04	4.47
Mu(-), ton-m:	-3.15	-2.11	-1.23	-0.84	-0.84	-0.84	-0.84	-0.84	-1.33	-2.26	-3.35
Mu(+), ton-m:	1.58	1.42	1.38	1.29	1.08	0.84	1.00	1.17	1.24	1.26	1.67
As(-), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	2.90	2.84	2.51	2.19	1.87	1.66	1.98	2.31	2.63	2.95	3.02
Tu, ton-m:	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	8.00	8.00

DESIGN

Company: AC INGENIERIA Engineer: ALVARO CABALLERO
Project: CASA CORREGIDOR - SOGAMOSO BLOQUE NUEVO 4:20:18 p. m. 4/05/2022

BEAM: 1(F-G) FLOOR: 2

Length: L = 3.15 m a = 0.20 m Section: b = 40.0 cm Sec: 40X40
Lu = 2.75 m c = 0.20 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.20	0.48	0.75	1.03	1.30	1.58	1.85	2.13	2.40	2.68	2.95
Mu(-), ton-m:	-2.99	-2.28	-1.64	-1.06	-0.75	-0.75	-0.75	-0.75	-1.08	-1.73	-2.45
Mu(+), ton-m:	2.40	2.11	1.80	1.46	1.07	0.75	0.75	0.89	1.22	1.53	1.82
As(-), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	3.13	3.13	2.99	2.81	2.62	2.46	2.65	2.83	3.01	3.16	3.16
Tu, ton-m:	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	17.00	17.00	17.00	17.00	17.00	8.00	8.00	8.00

DESIGN

F-1 11 #3 @ 8 6 #3 @ 17 11 #3 @ 8 G-1

BEAM: 3(A-B) FLOOR: 2

Length: L = 3.11 m a = 0.20 m Section: b = 40.0 cm Sec: 40X40
Lu = 2.71 m c = 0.20 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.20	0.47	0.74	1.01	1.28	1.56	1.83	2.10	2.37	2.64	2.91
Mu(-), ton-m:	-6.27	-4.38	-2.82	-1.60	-1.57	-1.57	-1.57	-1.57	-1.94	-3.44	-5.27
Mu(+), ton-m:	3.79	3.53	3.28	3.02	2.58	2.19	1.99	2.36	2.66	2.94	3.22
As(-), cm2:	5.07	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	8.32	8.32	7.65	6.75	5.84	4.94	5.68	6.58	7.49	8.16	8.16
Tu, ton-m:	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	17.00	17.00	17.00	17.00	17.00	8.00	8.00	8.00

DESIGN

A-3 11 #3 @ 8 5 #3 @ 17 11 #3 @ 8 B-3

BEAM: 3(B-C) FLOOR: 2

Length: L = 1.88 m a = 0.20 m Section: b = 40.0 cm Sec: 40X40
Lu = 1.68 m c = 0.00 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.20	0.37	0.54	0.70	0.87	1.04	1.21	1.38	1.54	1.71	1.88
Mu(-), ton-m:	-4.88	-3.96	-3.07	-2.20	-1.35	-1.22	-1.22	-1.84	-2.75	-3.69	-4.65
Mu(+), ton-m:	4.65	3.83	2.99	2.14	1.27	1.22	1.22	1.44	2.16	2.87	3.56
As(-), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	7.79	7.79	7.79	7.73	7.88	8.02	8.17	8.31	8.45	8.45	8.45
Tu, ton-m:	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	8.00	8.00	17.00	8.00	8.00	8.00	8.00	8.00

DESIGN

B-3 21 #3 @ 8 C-3

BEAM: 3(C-D) FLOOR: 2

Length: L = 1.97 m a = 0.00 m Section: b = 40.0 cm Sec: 40X40
Lu = 1.77 m c = 0.20 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.00	0.18	0.35	0.53	0.71	0.89	1.06	1.24	1.42	1.59	1.77
Mu(-), ton-m:	-3.51	-2.94	-2.41	-1.91	-1.60	-1.56	-1.67	-1.82	-2.00	-2.20	-2.44
Mu(+), ton-m:	2.81	2.44	2.05	1.65	1.39	1.35	1.41	1.46	1.48	1.49	1.48
As(-), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	4.63	4.63	4.62	4.44	4.27	4.15	4.32	4.50	4.68	4.69	4.69
Tu, ton-m:	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	8.00	8.00	17.00	8.00	8.00	8.00	8.00	8.00

DESIGN

C-3 22 #3 @ 8 D-3

BEAM: 3(D-E) FLOOR: 2

Length: L = 3.10 m a = 0.20 m Section: b = 40.0 cm Sec: 40X40
Lu = 2.70 m c = 0.20 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.20	0.47	0.74	1.01	1.28	1.55	1.82	2.09	2.36	2.63	2.90
Mu(-), ton-m:	-7.33	-5.72	-4.17	-2.70	-1.83	-1.83	-1.83	-1.83	-2.77	-3.90	-5.09
Mu(+), ton-m:	4.56	3.82	3.03	2.19	1.83	1.83	1.83	2.44	3.54	4.56	5.52
As(-), cm2:	5.97	4.61	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	8.47	8.47	8.27	8.01	7.74	7.47	7.20	6.94	6.67	6.75	6.75
Tu, ton-m:	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	17.00	17.00	17.00	17.00	17.00	8.00	8.00	8.00

DESIGN

D-3 11 #3 @ 8 5 #3 @ 17 11 #3 @ 8 E-3

BEAM: 3(E-F) FLOOR: 2

Length: L = 4.67 m a = 0.20 m Section: b = 40.0 cm Sec: 40X40
Lu = 4.27 m c = 0.20 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.20	0.63	1.05	1.48	1.91	2.34	2.76	3.19	3.62	4.04	4.47
Mu(-), ton-m:	-4.27	-2.82	-1.61	-1.23	-1.23	-1.23	-1.23	-1.23	-1.99	-3.33	-4.90
Mu(+), ton-m:	2.13	2.04	1.96	1.84	1.54	1.32	1.53	1.73	1.83	1.89	2.45
As(-), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	4.23	4.13	3.63	3.13	2.64	2.44	2.93	3.43	3.93	4.43	4.53
Tu, ton-m:	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	8.00	8.00

DESIGN

E-3 11 #3 @ 8 15 #3 @ 17 11 #3 @ 8 F-3

BEAM: 3(F-G) FLOOR: 2

Length: L = 3.27 m a = 0.20 m Section: b = 40.0 cm Sec: 40X40
Lu = 2.87 m c = 0.20 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.20	0.49	0.77	1.06	1.35	1.64	1.92	2.21	2.50	2.78	3.07
Mu(-), ton-m:	-4.64	-3.49	-2.43	-1.46	-1.32	-1.32	-1.32	-1.82	-2.89	-4.05	-5.27
Mu(+), ton-m:	3.89	3.21	2.52	1.80	1.32	1.32	1.32	1.94	2.64	3.32	3.94
As(-), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	5.22	5.22	5.02	4.78	4.53	4.57	4.82	5.06	5.31	5.51	5.51
Tu, ton-m:	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	17.00	17.00	17.00	17.00	17.00	8.00	8.00	8.00

DESIGN

F-3 11 #3 @ 8 6 #3 @ 17 11 #3 @ 8 G-3

BEAM: 4(B-C) FLOOR: 2

Length: L = 1.88 m a = 0.20 m Section: b = 25.0 cm Sec: 25X40
Lu = 1.43 m c = 0.25 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.20	0.34	0.49	0.63	0.77	0.92	1.06	1.20	1.34	1.49	1.63
Mu(-), ton-m:	-1.03	-1.03	-1.03	-1.25	-1.60	-1.97	-2.37	-2.77	-3.20	-3.64	-4.10
Mu(+), ton-m:	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	2.05
As(-), cm2:	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	3.22
As(+), cm2:	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93
Vu, ton:	5.46	5.46	5.46	5.52	5.63	5.73	5.84	5.94	6.00	6.00	6.00
Tu, ton-m:	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00

DESIGN

B-4 18 #3 @ 8 C-4

Company: AC INGENIERIA Engineer: ALVARO CABALLERO
Project: CASA CORREGIDOR - SOGAMOSO BLOQUE NUEVO 4:20:18 p. m. 4/05/2022

BEAM: 4(C-D) FLOOR: 2

Length: L = 1.97 m a = 0.25 m Section: b = 25.0 cm Sec: 25X40
Lu = 1.47 m c = 0.25 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.25	0.40	0.54	0.69	0.84	0.99	1.13	1.28	1.43	1.57	1.72
Mu(-), ton-m:	-5.85	-4.63	-3.43	-2.24	-1.46	-1.46	-1.46	-2.28	-3.32	-4.37	-5.44
Mu(+), ton-m:	4.75	3.78	2.79	1.79	1.46	1.46	1.46	2.37	3.48	4.59	5.68
As(-), cm2:	4.67	3.65	2.93	2.93	2.93	2.93	2.93	2.93	2.93	3.44	4.32
As(+), cm2:	3.75	2.96	2.93	2.93	2.93	2.93	2.93	2.93	2.93	3.62	4.53
Vu, ton:	11.78	11.78	11.78	11.73	11.65	11.57	11.50	11.42	11.37	11.37	11.37
Tu, ton-m:	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00

DESIGN

C-4 19 #3 @ 8 D-4

BEAM: 5(E'-F) FLOOR: 2

Length: L = 2.53 m a = 0.00 m Section: b = 40.0 cm Sec: 40X40
Lu = 2.33 m c = 0.20 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.00	0.23	0.47	0.70	0.93	1.17	1.40	1.63	1.86	2.10	2.33
Mu(-), ton-m:	0.00	-0.04	-0.13	-0.29	-0.51	-0.80	-1.14	-1.54	-2.01	-2.54	-3.13
Mu(+), ton-m:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
As(-), cm2:	4.69	4.69	4.69	4.69	4.69	4.69	4.69	4.69	4.69	4.69	4.69
As(+), cm2:	4.69	4.69	4.69	4.69	4.69	4.69	4.69	4.69	4.69	4.69	4.69
Vu, ton:	0.00	0.27	0.54	0.80	1.07	1.34	1.61	1.87	2.14	2.27	2.27
Tu, ton-m:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	17.50	17.50	17.50	17.50	17.50	17.50	17.50	17.50	17.50	17.50	17.50

DESIGN

E'-5 14 #3 @ 17.5 F-5

BEAM: 5(F-G) FLOOR: 2

Length: L = 3.33 m a = 0.20 m Section: b = 40.0 cm Sec: 40X40
Lu = 2.93 m c = 0.20 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.20	0.49	0.79	1.08	1.37	1.67	1.96	2.25	2.54	2.84	3.13
Mu(-), ton-m:	-4.05	-2.92	-1.89	-1.01	-1.01	-1.01	-1.01	-1.01	-1.24	-1.77	-2.36
Mu(+), ton-m:	2.02	1.01	1.01	1.01	1.01	1.01	1.19	1.68	2.08	2.38	2.58
As(-), cm2:	4.69	4.69	4.69	4.69	4.69	4.69	4.69	4.69	4.69	4.69	4.69
As(+), cm2:	4.69	4.69	4.69	4.69	4.69	4.69	4.69	4.69	4.69	4.69	4.69
Vu, ton:	5.35	5.35	5.07	4.73	4.38	4.03	3.69	3.34	3.29	3.57	3.57
Tu, ton-m:	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	17.00	17.00	17.00	17.00	17.00	8.00	8.00	8.00

DESIGN

F-5 11 #3 @ 8 7 #3 @ 17 11 #3 @ 8 G-5

BEAM: 5a(E'-F) FLOOR: 2

Length: L = 2.53 m a = 0.00 m Section: b = 40.0 cm Sec: 40X40
Lu = 2.33 m c = 0.20 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.00	0.23	0.47	0.70	0.93	1.17	1.40	1.63	1.86	2.10	2.33
Mu(-), ton-m:	0.00	-0.04	-0.14	-0.31	-0.55	-0.85	-1.21	-1.64	-2.14	-2.70	-3.33
Mu(+), ton-m:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
As(-), cm2:	4.69	4.69	4.69	4.69	4.69	4.69	4.69	4.69	4.69	4.69	4.69
As(+), cm2:	4.69	4.69	4.69	4.69	4.69	4.69	4.69	4.69	4.69	4.69	4.69
Vu, ton:	0.00	0.28	0.57	0.85	1.14	1.42	1.71	1.99	2.28	2.42	2.42
Tu, ton-m:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	17.50	17.50	17.50	17.50	17.50	17.50	17.50	17.50	17.50	17.50	17.50

DESIGN

E'-5a 14 #3 @ 17.5 F-5a

BEAM: 5a(F-G) FLOOR: 2

Length: L = 3.50 m a = 0.20 m Section: b = 40.0 cm Sec: 40X40
Lu = 3.10 m c = 0.20 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.20	0.51	0.82	1.13	1.44	1.75	2.06	2.37	2.68	2.99	3.30
Mu(-), ton-m:	-4.22	-3.02	-1.92	-1.06	-1.06	-1.06	-1.06	-1.06	-1.17	-1.71	-2.33
Mu(+), ton-m:	2.11	1.06	1.06	1.06	1.06	1.06	1.31	1.82	2.21	2.49	2.67
As(-), cm2:	4.69	4.69	4.69	4.69	4.69	4.69	4.69	4.69	4.69	4.69	4.69
As(+), cm2:	4.69	4.69	4.69	4.69	4.69	4.69	4.69	4.69	4.69	4.69	4.69
Vu, ton:	5.42	5.42	5.11	4.74	4.37	4.01	3.64	3.27	3.27	3.59	3.59
Tu, ton-m:	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	17.00	17.00	17.00	17.00	17.00	8.00	8.00	8.00

DESIGN

F-5a 11 #3 @ 8 8 #3 @ 17 11 #3 @ 8 G-5a

BEAM: 7(B-C) FLOOR: 2

Length: L = 1.88 m a = 0.20 m Section: b = 25.0 cm Sec: 25X40
Lu = 1.43 m c = 0.25 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.20	0.34	0.49	0.63	0.77	0.92	1.06	1.20	1.34	1.49	1.63
Mu(-), ton-m:	-1.04	-1.04	-1.04	-1.22	-1.58	-1.96	-2.36	-2.78	-3.22	-3.68	-4.17
Mu(+), ton-m:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	2.08
As(-), cm2:	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	3.27
As(+), cm2:	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93
Vu, ton:	5.73	5.73	5.73	5.79	5.91	6.03	6.14	6.26	6.32	6.32	6.32
Tu, ton-m:	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00

DESIGN

B-7 18 #3 @ 8 C-7

BEAM: 7(C-D) FLOOR: 2

Length: L = 1.97 m a = 0.25 m Section: b = 25.0 cm Sec: 25X40
Lu = 1.47 m c = 0.25 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.25	0.40	0.54	0.69	0.84	0.99	1.13	1.28	1.43	1.57	1.72
Mu(-), ton-m:	-9.18	-7.28	-5.41	-3.56	-2.29	-2.29	-2.29	-3.52	-5.18	-6.85	-8.54
Mu(+), ton-m:	7.76	6.19	4.60	3.00	2.29	2.29	2.29	3.68	5.44	7.19	8.91
As(-), cm2:	7.60	5.91	4.30	2.93	2.93	2.93	2.93	2.93	4.11	5.53	7.02
As(+), cm2:	6.32	4.96	3.63	2.93	2.93	2.93	2.93	2.93	4.33	5.82	7.36
Vu, ton:	18.24	18.24	18.24	18.17	18.07	17.97	17.86	17.76	17.69	17.69	17.69
Tu, ton-m:	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00

DESIGN

C-7 19 #3 @ 8 D-7

BEAM: 8(A-B) FLOOR: 2

Length: L = 3.11 m a = 0.20 m Section: b = 40.0 cm Sec: 40X40
Lu = 2.71 m c = 0.20 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.20	0.47	0.74	1.01	1.28	1.56	1.83	2.10	2.37	2.64	2.91
Mu(-), ton-m:	-10.55	-7.94	-5.64	-3.64	-2.64	-2.64	-2.64	-2.64	-4.70	-7.15	-9.86
Mu(+), ton-m:	8.17	7.01	5.83	4.63	3.24	2.64	2.64	3.20	4.38	5.53	6.63
As(-), cm2:	8.78	6.49	4.55	4.55	4.55	4.55	4.55	4.55	4.55	5.81	8.16
As(+), cm2:	6.69	5.69	4.70	4.55	4.55	4.55	4.55	4.55	4.55	4.55	5.37
Vu, ton:	12.25	12.25	11.60	10.74	9.87	9.47	10.34	11.20	12.07	12.71	12.71
Tu, ton-m:	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	14.00	15.00	16.00	15.00	13.00	8.00	8.00	8.00

DESIGN

A-8 11 #3 @ 8 4 #3 @ 15 2 #3 @ 13 11 #3 @ 8 B-8

Company: AC INGENIERIA Engineer: ALVARO CABALLERO
Project: CASA CORREGIDOR - SOGAMOSO BLOQUE NUEVO 4:20:18 p. m. 4/05/2022

BEAM: 8(B-C) FLOOR: 2

Length: L = 1.88 m a = 0.20 m Section: b = 40.0 cm Sec: 40X40
Lu = 1.53 m c = 0.15 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.20	0.35	0.51	0.66	0.81	0.97	1.12	1.27	1.42	1.58	1.73
Mu(-), ton-m:	-9.53	-8.14	-6.78	-5.44	-4.12	-2.86	-2.38	-2.38	-2.38	-2.38	-2.38
Mu(+), ton-m:	4.76	3.45	3.43	3.41	3.37	3.37	3.56	3.72	3.86	4.14	4.66
As(-), cm2:	7.87	6.67	5.50	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	11.40	11.40	11.40	11.31	11.19	11.07	10.95	10.83	10.73	10.73	10.73
Tu, ton-m:	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00

DESIGN

B-8 19 #3 @ 8 C-8

BEAM: 8(C-D) FLOOR: 2

Length: L = 1.97 m a = 0.15 m Section: b = 40.0 cm Sec: 40X40
Lu = 1.57 m c = 0.25 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.15	0.31	0.46	0.62	0.78	0.94	1.09	1.25	1.41	1.56	1.72
Mu(-), ton-m:	-2.45	-2.45	-2.45	-2.45	-2.45	-3.21	-4.40	-5.69	-7.03	-8.40	-9.79
Mu(+), ton-m:	4.71	4.40	4.30	4.20	4.09	3.94	3.92	3.96	4.02	4.06	4.89
As(-), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.59	5.72	6.89	8.10
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	10.58	10.58	10.58	10.68	10.79	10.91	11.03	11.14	11.24	11.24	11.24
Tu, ton-m:	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00

DESIGN

C-8 20 #3 @ 8 D-8

BEAM: 8(D-E) FLOOR: 2

Length: L = 3.10 m a = 0.25 m Section: b = 40.0 cm Sec: 40X40
Lu = 2.60 m c = 0.25 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.25	0.51	0.77	1.03	1.29	1.55	1.81	2.07	2.33	2.59	2.85
Mu(-), ton-m:	-10.45	-8.23	-6.07	-3.98	-2.61	-2.61	-2.61	-3.45	-5.21	-7.00	-8.85
Mu(+), ton-m:	7.53	6.10	4.62	3.10	2.61	2.61	2.61	3.68	5.42	7.10	8.72
As(-), cm2:	8.69	6.74	4.91	4.55	4.55	4.55	4.55	4.55	4.55	5.69	7.28
As(+), cm2:	6.14	4.92	4.55	4.55	4.55	4.55	4.55	4.55	4.55	5.77	7.16
Vu, ton:	11.93	11.93	11.76	11.51	11.26	11.01	10.76	10.51	10.27	10.39	10.39
Tu, ton-m:	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	8.00	13.00	14.00	14.00	8.00	8.00	8.00	8.00

DESIGN

D-8 33 #3 @ 8 E-8

BEAM: 8(E-F) FLOOR: 2

Length: L = 4.67 m a = 0.25 m Section: b = 40.0 cm Sec: 40X40
Lu = 4.22 m c = 0.20 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.25	0.67	1.09	1.52	1.94	2.36	2.78	3.20	3.63	4.05	4.47
Mu(-), ton-m:	-6.99	-5.02	-3.30	-1.92	-1.92	-1.92	-1.92	-2.00	-3.63	-5.55	-7.68
Mu(+), ton-m:	4.89	4.31	3.68	2.98	2.12	1.92	1.96	2.69	3.34	3.93	4.44
As(-), cm2:	5.68	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	6.27
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	5.98	5.88	5.39	4.89	4.40	4.37	4.86	5.36	5.85	6.35	6.44
Tu, ton-m:	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	8.00	8.00

DESIGN

E-8 11 #3 @ 8 14 #3 @ 17 11 #3 @ 8 F-8

BEAM: 8(F-G) FLOOR: 2

Length: L = 3.55 m a = 0.20 m Section: b = 40.0 cm Sec: 40X40
Lu = 3.15 m c = 0.20 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.20	0.52	0.83	1.15	1.46	1.78	2.09	2.41	2.72	3.04	3.35
Mu(-), ton-m:	-8.24	-6.25	-4.38	-2.65	-2.28	-2.28	-2.28	-3.30	-5.12	-7.06	-9.12
Mu(+), ton-m:	7.10	5.82	4.50	3.16	2.28	2.28	2.28	3.61	4.95	6.24	7.49
As(-), cm2:	6.75	5.05	4.55	4.55	4.55	4.55	4.55	4.55	4.55	5.74	7.51
As(+), cm2:	5.77	4.69	4.55	4.55	4.55	4.55	4.55	4.55	4.55	5.05	6.10
Vu, ton:	8.28	8.28	7.99	7.67	7.36	7.26	7.58	7.90	8.21	8.51	8.51
Tu, ton-m:	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	17.00	17.00	17.00	17.00	17.00	8.00	8.00	8.00

DESIGN

F-8 11 #3 @ 8 8 #3 @ 17 11 #3 @ 8 G-8

BEAM: 9(A-B) FLOOR: 2

Length: L = 3.11 m a = 0.20 m Section: b = 40.0 cm Sec: 40X40
Lu = 2.71 m c = 0.20 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.20	0.47	0.74	1.01	1.28	1.56	1.83	2.10	2.37	2.64	2.91
Mu(-), ton-m:	-12.18	-9.30	-6.69	-4.37	-3.05	-3.05	-3.05	-3.05	-5.36	-7.99	-10.88
Mu(+), ton-m:	9.93	8.42	6.89	5.35	3.64	3.05	3.05	3.96	5.49	7.00	8.51
As(-), cm2:	10.26	7.67	5.42	4.55	4.55	4.55	4.55	4.55	4.55	6.53	9.08
As(+), cm2:	8.23	6.90	5.59	4.55	4.55	4.55	4.55	4.55	4.55	5.69	6.98
Vu, ton:	13.55	13.55	12.97	12.19	11.42	10.69	11.46	12.24	13.01	13.59	13.59
Tu, ton-m:	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	12.00	13.00	14.00	13.00	12.00	8.00	8.00	8.00

DESIGN

A-9 11 #3 @ 8 7 #3 @ 13 11 #3 @ 8 B-9

BEAM: 9(B-C) FLOOR: 2

Length: L = 1.88 m a = 0.20 m Section: b = 40.0 cm Sec: 40X40
Lu = 1.53 m c = 0.15 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.20	0.35	0.51	0.66	0.81	0.97	1.12	1.27	1.42	1.58	1.73
Mu(-), ton-m:	-9.51	-8.38	-7.26	-6.16	-5.07	-4.01	-3.01	-2.38	-2.38	-2.38	-2.38
Mu(+), ton-m:	5.60	5.28	4.95	4.60	4.25	3.90	3.58	3.32	3.05	2.76	2.52
As(-), cm2:	7.86	6.87	5.91	4.98	4.55	4.55	4.55	4.55	4.55	4.55	4.55
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	7.94	7.94	7.94	7.88	7.80	7.72	7.64	7.56	7.49	7.49	7.49
Tu, ton-m:	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00

DESIGN

B-9 19 #3 @ 8 C-9

BEAM: 9(C-D) FLOOR: 2

Length: L = 1.97 m a = 0.15 m Section: b = 40.0 cm Sec: 40X40
Lu = 1.62 m c = 0.20 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.15	0.31	0.47	0.64	0.80	0.96	1.12	1.28	1.45	1.61	1.77
Mu(-), ton-m:	-2.29	-2.29	-2.29	-2.29	-2.90	-3.83	-4.81	-5.85	-6.94	-8.04	-9.15
Mu(+), ton-m:	2.58	2.92	3.32	3.71	4.08	4.42	4.79	5.19	5.61	6.01	6.41
As(-), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.72	5.63	6.57	7.54
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.85	5.19
Vu, ton:	6.69	6.69	6.69	6.78	6.87	6.96	7.05	7.14	7.22	7.22	7.22
Tu, ton-m:	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	8.00	8.00	17.00	8.00	8.00	8.00	8.00	8.00

DESIGN

C-9 20 #3 @ 8 D-9

BEAM: 9(D-E) FLOOR: 2

Length: L = 3.10 m a = 0.20 m Section: b = 40.0 cm Sec: 40X40
Lu = 2.70 m c = 0.20 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.20	0.47	0.74	1.01	1.28	1.55	1.82	2.09	2.36	2.63	2.90
Mu(-), ton-m:	-10.42	-8.20	-6.02	-3.90	-2.61	-2.61	-2.61	-4.05	-6.13	-8.27	-10.45
Mu(+), ton-m:	9.21	7.43	5.61	3.76	2.61	2.61	2.61	4.05	5.93	7.78	9.59
As(-), cm2:	8.66	6.71	4.86	4.55	4.55	4.55	4.55	4.55	4.95	6.77	8.69
As(+), cm2:	7.60	6.05	4.55	4.55	4.55	4.55	4.55	4.55	4.78	6.35	7.93
Vu, ton:	11.03	11.03	10.90	10.72	10.54	10.36	10.41	10.59	10.76	10.90	10.90
Tu, ton-m:	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	14.00	14.00	15.00	14.00	14.00	8.00	8.00	8.00

DESIGN

D-9 11 #3 @ 8 7 #3 @ 14 11 #3 @ 8 E-9

BEAM: 9(E-F) FLOOR: 2

Length: L = 4.67 m a = 0.20 m Section: b = 40.0 cm Sec: 40X40
Lu = 4.27 m c = 0.20 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.20	0.63	1.05	1.48	1.91	2.34	2.76	3.19	3.62	4.04	4.47
Mu(-), ton-m:	-7.30	-5.48	-3.82	-2.36	-1.83	-1.83	-1.83	-1.95	-3.49	-5.23	-7.11
Mu(+), ton-m:	5.56	4.79	3.96	3.09	2.08	1.83	1.83	2.47	3.33	4.13	4.86
As(-), cm2:	5.94	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	5.78
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	5.42	5.35	5.02	4.70	4.37	4.20	4.53	4.86	5.18	5.51	5.58
Tu, ton-m:	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	8.00	8.00

DESIGN

E-9 11 #3 @ 8 15 #3 @ 17 11 #3 @ 8 F-9

BEAM: 9(F-G) FLOOR: 2

Length: L = 3.67 m a = 0.20 m Section: b = 40.0 cm Sec: 40X40
Lu = 3.12 m c = 0.35 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.20	0.51	0.82	1.14	1.45	1.76	2.07	2.38	2.70	3.01	3.32
Mu(-), ton-m:	-11.93	-8.93	-6.04	-3.98	-3.98	-3.98	-4.17	-6.95	-9.82	-12.83	-15.93
Mu(+), ton-m:	11.08	8.71	6.31	3.98	3.98	3.98	4.77	7.22	9.63	12.01	14.33
As(-), cm2:	10.03	7.35	4.88	4.55	4.55	4.55	4.55	5.64	8.13	10.86	13.81
As(+), cm2:	9.25	7.16	5.11	4.55	4.55	4.55	4.55	5.88	7.96	10.10	12.27
Vu, ton:	12.98	12.98	12.74	12.47	12.19	12.11	12.39	12.66	12.93	13.18	13.18
Tu, ton-m:	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	12.00	12.00	12.00	12.00	12.00	8.00	8.00	8.00

DESIGN

F-9 11 #3 @ 8 11 #3 @ 12 11 #3 @ 8 G-9

BEAM: 1(B-C) FLOOR: 3

Length: L = 1.88 m a = 0.20 m Section: b = 40.0 cm Sec: 40X40
Lu = 1.56 m c = 0.13 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.20	0.36	0.51	0.67	0.82	0.98	1.13	1.29	1.44	1.60	1.76
Mu(-), ton-m:	-6.27	-5.27	-4.34	-3.54	-2.84	-2.21	-1.62	-1.57	-1.57	-1.57	-1.57
Mu(+), ton-m:	3.59	3.56	3.48	3.45	3.44	3.40	3.31	3.13	2.90	2.61	2.35
As(-), cm2:	5.07	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	6.84	6.84	6.84	6.52	6.12	5.73	5.33	4.94	4.62	4.62	4.62
Tu, ton-m:	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00

DESIGN

B-1 20 #3 @ 8 C-1

BEAM: 1(C-D) FLOOR: 3

Length: L = 1.97 m a = 0.13 m Section: b = 40.0 cm Sec: 40X40
Lu = 1.65 m c = 0.20 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.13	0.29	0.45	0.62	0.78	0.95	1.11	1.28	1.44	1.61	1.77
Mu(-), ton-m:	-1.37	-1.37	-1.37	-1.37	-1.37	-1.78	-2.47	-3.19	-3.94	-4.70	-5.48
Mu(+), ton-m:	1.96	1.72	1.65	1.74	1.81	1.88	2.01	2.16	2.29	2.41	2.74
As(-), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	4.93	4.93	4.93	5.02	5.11	5.21	5.31	5.40	5.49	5.49	5.49
Tu, ton-m:	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	8.00	8.00	17.00	8.00	8.00	8.00	8.00	8.00

DESIGN

C-1 21 #3 @ 8 D-1

BEAM: 1(D-E) FLOOR: 3

Length: L = 3.10 m a = 0.20 m Section: b = 40.0 cm Sec: 40X40
Lu = 2.70 m c = 0.20 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.20	0.47	0.74	1.01	1.28	1.55	1.82	2.09	2.36	2.63	2.90
Mu(-), ton-m:	-5.12	-3.96	-2.86	-1.80	-1.28	-1.28	-1.28	-1.44	-2.24	-3.07	-3.94
Mu(+), ton-m:	3.06	2.53	1.97	1.36	1.28	1.28	1.28	1.86	2.64	3.37	4.05
As(-), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	5.96	5.96	5.82	5.64	5.46	5.28	5.10	4.91	4.74	4.83	4.83
Tu, ton-m:	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	17.00	17.00	17.00	17.00	17.00	8.00	8.00	8.00

DESIGN

D-1 11 #3 @ 8 5 #3 @ 17 11 #3 @ 8 E-1

BEAM: 1(E-F) FLOOR: 3

Length: L = 4.67 m a = 0.20 m Section: b = 40.0 cm Sec: 40X40
Lu = 4.27 m c = 0.20 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.20	0.63	1.05	1.48	1.91	2.34	2.76	3.19	3.62	4.04	4.47
Mu(-), ton-m:	-4.16	-2.88	-1.76	-1.16	-1.16	-1.16	-1.16	-1.23	-2.19	-3.34	-4.64
Mu(+), ton-m:	2.33	2.12	1.84	1.54	1.16	1.16	1.42	1.83	2.14	2.40	2.59
As(-), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	3.59	3.53	3.20	2.88	2.56	2.30	2.62	2.95	3.27	3.59	3.66
Tu, ton-m:	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	8.00	8.00

DESIGN

E-1 11 #3 @ 8 15 #3 @ 17 11 #3 @ 8 F-1

BEAM: 3(B-C) FLOOR: 3

Length: L = 1.88 m a = 0.20 m Section: b = 40.0 cm Sec: 40X40
Lu = 1.68 m c = 0.00 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.20	0.37	0.54	0.70	0.87	1.04	1.21	1.38	1.54	1.71	1.88
Mu(-), ton-m:	-7.62	-6.35	-5.09	-3.86	-2.64	-1.90	-1.90	-1.90	-2.64	-4.28	-5.94
Mu(+), ton-m:	9.59	8.15	6.68	5.19	3.67	2.13	1.90	1.90	2.08	3.21	4.34
As(-), cm2:	6.21	5.13	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.79
As(+), cm2:	7.93	6.67	5.42	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	14.03	14.03	14.03	14.17	14.32	14.46	14.61	14.75	14.89	14.89	14.89
Tu, ton-m:	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	8.00	8.00	10.00	8.00	8.00	8.00	8.00	8.00

DESIGN

B-3 21 #3 @ 8 C-3

BEAM: 3(C-D) FLOOR: 3

Length: L = 1.97 m a = 0.00 m Section: b = 40.0 cm Sec: 40X40
Lu = 1.77 m c = 0.20 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.00	0.18	0.35	0.53	0.71	0.89	1.06	1.24	1.42	1.59	1.77
Mu(-), ton-m:	-4.36	-3.81	-3.28	-2.79	-2.33	-1.90	-1.50	-1.13	-1.09	-1.16	-1.63
Mu(+), ton-m:	3.06	2.76	2.45	2.11	1.75	1.38	1.09	1.09	1.09	1.09	1.09
As(-), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	4.83	4.83	4.82	4.64	4.46	4.29	4.11	4.18	4.35	4.37	4.37
Tu, ton-m:	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	8.00	8.00	17.00	8.00	8.00	8.00	8.00	8.00

DESIGN

C-3 22 #3 @ 8 D-3

BEAM: 3(D-E) FLOOR: 3

Length: L = 3.10 m a = 0.20 m Section: b = 40.0 cm Sec: 40X40
Lu = 2.70 m c = 0.20 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.20	0.47	0.74	1.01	1.28	1.55	1.82	2.09	2.36	2.63	2.90
Mu(-), ton-m:	-8.81	-6.90	-5.06	-3.28	-2.20	-2.20	-2.20	-2.20	-3.01	-4.25	-5.53
Mu(+), ton-m:	5.09	4.24	3.36	2.42	2.20	2.20	2.20	3.05	4.44	5.77	7.02
As(-), cm2:	7.25	5.60	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.65	5.70
Vu, ton:	10.53	10.53	10.33	10.06	9.80	9.53	9.26	8.99	8.73	8.53	8.53
Tu, ton-m:	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	15.00	15.00	16.00	16.00	17.00	8.00	8.00	8.00

DESIGN

D-3 11 #3 @ 8 2 #3 @ 15 4 #3 @ 16 11 #3 @ 8 E-3

BEAM: 3(E-F) FLOOR: 3

Length: L = 4.67 m a = 0.20 m Section: b = 40.0 cm Sec: 40X40
Lu = 4.27 m c = 0.20 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.20	0.63	1.05	1.48	1.91	2.34	2.76	3.19	3.62	4.04	4.47
Mu(-), ton-m:	-4.89	-3.26	-1.90	-1.41	-1.41	-1.41	-1.41	-1.41	-2.33	-3.86	-5.64
Mu(+), ton-m:	2.48	2.41	2.28	2.10	1.73	1.48	1.70	1.95	2.10	2.20	2.82
As(-), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	4.81	4.69	4.13	3.58	3.02	2.82	3.38	3.94	4.50	5.05	5.17
Tu, ton-m:	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	8.00	8.00

DESIGN

E-3 11 #3 @ 8 15 #3 @ 17 11 #3 @ 8 F-3

BEAM: 3(F-G) FLOOR: 3

Length: L = 3.27 m a = 0.20 m Section: b = 40.0 cm Sec: 40X40
Lu = 2.87 m c = 0.20 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.20	0.49	0.77	1.06	1.35	1.64	1.92	2.21	2.50	2.78	3.07
Mu(-), ton-m:	-4.38	-3.41	-2.47	-1.56	-1.45	-1.45	-1.45	-2.22	-3.38	-4.57	-5.81
Mu(+), ton-m:	4.82	3.93	3.00	2.03	1.45	1.45	1.45	1.80	2.56	3.30	4.01
As(-), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.68
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	5.23	5.23	5.33	5.44	5.56	5.68	5.79	5.91	6.02	6.12	6.12
Tu, ton-m:	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	17.00	17.00	17.00	17.00	17.00	8.00	8.00	8.00

DESIGN

F-3 11 #3 @ 8 6 #3 @ 17 11 #3 @ 8 G-3

BEAM: 4(B-C) FLOOR: 3

Length: L = 1.88 m a = 0.20 m Section: b = 40.0 cm Sec: 40X40
Lu = 1.43 m c = 0.25 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.20	0.34	0.49	0.63	0.77	0.92	1.06	1.20	1.34	1.49	1.63
Mu(-), ton-m:	-1.24	-1.24	-1.24	-1.41	-1.84	-2.29	-2.77	-3.28	-3.81	-4.37	-4.96
Mu(+), ton-m:	1.24	1.24	1.24	1.24	1.29	1.49	1.67	1.83	1.98	2.11	2.48
As(-), cm2:	4.69	4.69	4.69	4.69	4.69	4.69	4.69	4.69	4.69	4.69	4.69
As(+), cm2:	4.69	4.69	4.69	4.69	4.69	4.69	4.69	4.69	4.69	4.69	4.69
Vu, ton:	6.02	6.02	6.02	6.11	6.27	6.42	6.58	6.74	6.83	6.83	6.83
Tu, ton-m:	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00

DESIGN

B-4 18 #3 @ 8 C-4

BEAM: 4(C-D) FLOOR: 3

Length: L = 1.97 m a = 0.25 m Section: b = 40.0 cm Sec: 40X40
Lu = 1.47 m c = 0.25 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.25	0.40	0.54	0.69	0.84	0.99	1.13	1.28	1.43	1.57	1.72
Mu(-), ton-m:	-6.17	-4.86	-3.58	-2.33	-1.54	-1.54	-1.54	-2.51	-3.68	-4.87	-6.09
Mu(+), ton-m:	5.27	4.20	3.12	2.02	1.54	1.54	1.54	2.51	3.67	4.81	5.94
As(-), cm2:	4.83	4.69	4.69	4.69	4.69	4.69	4.69	4.69	4.69	4.69	4.76
As(+), cm2:	4.69	4.69	4.69	4.69	4.69	4.69	4.69	4.69	4.69	4.69	4.69
Vu, ton:	12.09	12.09	12.09	12.02	11.90	11.78	11.66	11.54	11.46	11.46	11.46
Tu, ton-m:	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00

DESIGN

C-4 19 #3 @ 8 D-4

BEAM: 7(B-C) FLOOR: 3

Length: L = 1.88 m a = 0.20 m Section: b = 40.0 cm Sec: 40X40
Lu = 1.43 m c = 0.25 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.20	0.34	0.49	0.63	0.77	0.92	1.06	1.20	1.34	1.49	1.63
Mu(-), ton-m:	-1.12	-1.12	-1.12	-1.24	-1.62	-2.03	-2.47	-2.93	-3.41	-3.92	-4.47
Mu(+), ton-m:	1.12	1.12	1.12	1.12	1.12	1.12	1.24	1.35	1.43	1.50	2.23
As(-), cm2:	4.69	4.69	4.69	4.69	4.69	4.69	4.69	4.69	4.69	4.69	4.69
As(+), cm2:	4.69	4.69	4.69	4.69	4.69	4.69	4.69	4.69	4.69	4.69	4.69
Vu, ton:	5.57	5.57	5.57	5.65	5.81	5.96	6.11	6.26	6.35	6.35	6.35
Tu, ton-m:	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00

DESIGN

B-7 18 #3 @ 8 C-7

BEAM: 7(C-D) FLOOR: 3

Length: L = 1.97 m a = 0.25 m Section: b = 40.0 cm Sec: 40X40
Lu = 1.47 m c = 0.25 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.25	0.40	0.54	0.69	0.84	0.99	1.13	1.28	1.43	1.57	1.72
Mu(-), ton-m:	-6.43	-5.09	-3.79	-2.51	-1.61	-1.61	-1.61	-2.38	-3.55	-4.73	-5.95
Mu(+), ton-m:	5.40	4.34	3.25	2.15	1.61	1.61	1.61	2.43	3.61	4.78	5.92
As(-), cm2:	5.04	4.69	4.69	4.69	4.69	4.69	4.69	4.69	4.69	4.69	4.69
As(+), cm2:	4.69	4.69	4.69	4.69	4.69	4.69	4.69	4.69	4.69	4.69	4.69
Vu, ton:	12.39	12.39	12.39	12.32	12.20	12.08	11.97	11.85	11.78	11.78	11.78
Tu, ton-m:	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00

DESIGN

C-7 19 #3 @ 8 D-7

Company: AC INGENIERIA Engineer: ALVARO CABALLERO
Project: CASA CORREGIDOR - SOGAMOSO BLOQUE NUEVO 4:20:19 p. m. 4/05/2022

BEAM: 8(B-C) FLOOR: 3

Length: L = 1.88 m a = 0.20 m Section: b = 40.0 cm Sec: 40X40
Lu = 1.53 m c = 0.15 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.20	0.35	0.51	0.66	0.81	0.97	1.12	1.27	1.42	1.58	1.73
Mu(-), ton-m:	-9.34	-8.09	-6.87	-5.67	-4.53	-3.51	-2.55	-2.33	-2.33	-2.33	-2.33
Mu(+), ton-m:	5.09	4.94	4.76	4.57	4.43	4.36	4.32	4.25	4.16	4.05	4.05
As(-), cm2:	7.70	6.62	5.57	4.56	4.55	4.55	4.55	4.55	4.55	4.55	4.55
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	9.67	9.67	9.67	9.58	9.46	9.34	9.22	9.10	9.00	9.00	9.00
Tu, ton-m:	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00

DESIGN

B-8 19 #3 @ 8 C-8

BEAM: 8(C-D) FLOOR: 3

Length: L = 1.97 m a = 0.15 m Section: b = 40.0 cm Sec: 40X40
Lu = 1.57 m c = 0.25 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.15	0.31	0.46	0.62	0.78	0.94	1.09	1.25	1.41	1.56	1.72
Mu(-), ton-m:	-2.23	-2.23	-2.23	-2.23	-2.23	-2.82	-3.96	-5.17	-6.39	-7.64	-8.91
Mu(+), ton-m:	3.77	3.32	3.11	3.06	3.00	2.95	3.01	3.11	3.19	3.26	4.46
As(-), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	5.17	6.23	7.34
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	9.29	9.29	9.29	9.39	9.50	9.62	9.74	9.85	9.95	9.95	9.95
Tu, ton-m:	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00

DESIGN

C-8 20 #3 @ 8 D-8

BEAM: 8(D-E) FLOOR: 3

Length: L = 3.10 m a = 0.25 m Section: b = 40.0 cm Sec: 40X40
Lu = 2.60 m c = 0.25 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.25	0.51	0.77	1.03	1.29	1.55	1.81	2.07	2.33	2.59	2.85
Mu(-), ton-m:	-7.70	-5.99	-4.34	-2.76	-1.93	-1.93	-1.93	-2.39	-3.67	-4.99	-6.35
Mu(+), ton-m:	5.24	4.29	3.29	2.24	1.93	1.93	1.93	2.88	4.11	5.28	6.38
As(-), cm2:	6.29	4.83	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	5.13
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	5.16
Vu, ton:	9.18	9.18	9.01	8.76	8.51	8.26	8.01	7.76	7.53	7.71	7.71
Tu, ton-m:	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	8.00	17.00	17.00	17.00	8.00	8.00	8.00	8.00

DESIGN

D-8 33 #3 @ 8 E-8

BEAM: 8(E-F) FLOOR: 3

Length: L = 4.67 m a = 0.25 m Section: b = 40.0 cm Sec: 40X40
Lu = 4.22 m c = 0.20 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.25	0.67	1.09	1.52	1.94	2.36	2.78	3.20	3.63	4.05	4.47
Mu(-), ton-m:	-5.88	-4.07	-2.54	-1.66	-1.66	-1.66	-1.66	-1.66	-2.92	-4.66	-6.63
Mu(+), ton-m:	3.51	3.23	2.89	2.50	1.93	1.66	1.79	2.23	2.58	2.88	3.31
As(-), cm2:	4.74	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	5.37
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	5.41	5.30	4.75	4.20	3.64	3.58	4.13	4.69	5.24	5.79	5.90
Tu, ton-m:	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	8.00	8.00

DESIGN

E-8 11 #3 @ 8 14 #3 @ 17 11 #3 @ 8 F-8

BEAM: 8(F-G) FLOOR: 3

Length: L = 3.55 m a = 0.20 m Section: b = 40.0 cm Sec: 40X40
Lu = 3.15 m c = 0.20 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.20	0.52	0.83	1.15	1.46	1.78	2.09	2.41	2.72	3.04	3.35
Mu(-), ton-m:	-5.22	-4.07	-2.95	-1.87	-1.67	-1.67	-1.67	-2.51	-3.85	-5.24	-6.66
Mu(+), ton-m:	5.57	4.55	3.49	2.38	1.67	1.67	1.67	2.11	3.02	3.89	4.73
As(-), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	5.40
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	5.40	5.40	5.50	5.63	5.76	5.89	6.02	6.15	6.28	6.39	6.39
Tu, ton-m:	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	17.00	17.00	17.00	17.00	17.00	8.00	8.00	8.00

DESIGN

F-8 11 #3 @ 8 8 #3 @ 17 11 #3 @ 8 G-8

BEAM: 9(B-C) FLOOR: 3

Length: L = 1.88 m a = 0.20 m Section: b = 40.0 cm Sec: 40X40
Lu = 1.53 m c = 0.15 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.20	0.35	0.51	0.66	0.81	0.97	1.12	1.27	1.42	1.58	1.73
Mu(-), ton-m:	-11.11	-9.69	-8.33	-7.05	-5.88	-4.83	-3.82	-2.83	-2.78	-2.78	-2.78
Mu(+), ton-m:	7.36	7.07	6.75	6.44	6.17	5.94	5.66	5.32	4.94	4.51	4.03
As(-), cm2:	9.28	8.02	6.83	5.73	4.74	4.55	4.55	4.55	4.55	4.55	4.55
As(+), cm2:	5.99	5.75	5.48	5.21	4.98	4.79	4.56	4.55	4.55	4.55	4.55
Vu, ton:	10.30	10.30	10.30	10.05	9.72	9.40	9.08	8.75	8.50	8.50	8.50
Tu, ton-m:	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00

DESIGN

B-9 19 #3 @ 8 C-9

BEAM: 9(C-D) FLOOR: 3

Length: L = 1.97 m a = 0.15 m Section: b = 40.0 cm Sec: 40X40
Lu = 1.62 m c = 0.20 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.15	0.31	0.47	0.64	0.80	0.96	1.12	1.28	1.45	1.61	1.77
Mu(-), ton-m:	-2.46	-2.46	-2.46	-2.46	-2.47	-3.54	-4.73	-5.98	-7.25	-8.54	-9.85
Mu(+), ton-m:	2.95	2.72	2.88	3.25	3.60	3.94	4.37	4.82	5.27	5.72	6.15
As(-), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.83	5.90	7.01	8.16
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.60	4.96
Vu, ton:	7.96	7.96	7.96	8.04	8.13	8.22	8.32	8.41	8.49	8.49	8.49
Tu, ton-m:	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	8.00	8.00	17.00	8.00	8.00	8.00	8.00	8.00

DESIGN

C-9 20 #3 @ 8 D-9

BEAM: 9(D-E) FLOOR: 3

Length: L = 3.10 m a = 0.20 m Section: b = 40.0 cm Sec: 40X40
Lu = 2.70 m c = 0.20 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.20	0.47	0.74	1.01	1.28	1.55	1.82	2.09	2.36	2.63	2.90
Mu(-), ton-m:	-8.32	-6.53	-4.78	-3.08	-2.08	-2.08	-2.08	-3.03	-4.61	-6.25	-7.94
Mu(+), ton-m:	6.92	5.61	4.26	2.88	2.08	2.08	2.08	3.15	4.58	5.98	7.35
As(-), cm2:	6.82	5.28	4.55	4.55	4.55	4.55	4.55	4.55	4.55	5.05	6.49
As(+), cm2:	5.62	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.82	5.98
Vu, ton:	8.96	8.96	8.83	8.65	8.47	8.29	8.11	8.18	8.36	8.49	8.49
Tu, ton-m:	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	17.00	17.00	17.00	17.00	17.00	8.00	8.00	8.00

DESIGN

D-9 11 #3 @ 8 5 #3 @ 17 11 #3 @ 8 E-9

Company: AC INGENIERIA Engineer: ALVARO CABALLERO
Project: CASA CORREGIDOR - SOGAMOSO BLOQUE NUEVO 4:20:19 p. m. 4/05/2022

BEAM: 9(E-F) FLOOR: 3

Length: L = 4.67 m a = 0.20 m Section: b = 40.0 cm Sec: 40X40
Lu = 4.27 m c = 0.20 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.20	0.63	1.05	1.48	1.91	2.34	2.76	3.19	3.62	4.04	4.47
Mu(-), ton-m:	-7.36	-5.39	-3.58	-2.09	-2.09	-2.09	-2.09	-2.85	-4.50	-6.35	-8.36
Mu(+), ton-m:	5.51	4.62	3.67	2.67	2.09	2.09	2.33	3.42	4.41	5.35	6.22
As(-), cm2:	5.99	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	5.14	6.85
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	5.02
Vu, ton:	5.84	5.78	5.45	5.12	4.79	4.56	4.88	5.21	5.54	5.86	5.93
Tu, ton-m:	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	8.00	8.00

DESIGN

E-9 11 #3 @ 8 15 #3 @ 17 11 #3 @ 8 F-9

BEAM: 1(A-B) FLOOR: 4

Length: L = 3.11 m a = 0.20 m Section: b = 40.0 cm Sec: 40X40
Lu = 2.71 m c = 0.20 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.20	0.47	0.74	1.01	1.28	1.56	1.83	2.10	2.37	2.64	2.91
Mu(-), ton-m:	-5.57	-3.84	-2.36	-1.39	-1.39	-1.39	-1.39	-1.39	-2.26	-3.45	-4.89
Mu(+), ton-m:	2.87	2.59	2.29	1.98	1.66	1.72	2.21	2.80	3.27	3.63	3.98
As(-), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	7.99	7.99	7.46	6.75	6.04	5.33	5.16	5.87	6.58	7.11	7.11
Tu, ton-m:	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	17.00	17.00	17.00	17.00	17.00	8.00	8.00	8.00

DESIGN

A-1 11 #3 @ 8 5 #3 @ 17 11 #3 @ 8 B-1

BEAM: 3(A-B) FLOOR: 4

Length: L = 3.11 m a = 0.20 m Section: b = 40.0 cm Sec: 40X40
Lu = 2.71 m c = 0.20 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.20	0.47	0.74	1.01	1.28	1.56	1.83	2.10	2.37	2.64	2.91
Mu(-), ton-m:	-6.49	-4.46	-2.73	-1.76	-1.76	-1.76	-1.76	-1.91	-3.29	-5.01	-7.03
Mu(+), ton-m:	3.75	3.33	2.89	2.43	1.91	1.87	2.46	3.08	3.58	4.05	4.50
As(-), cm2:	5.26	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	5.71
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	9.01	9.01	8.34	7.44	6.54	5.63	6.54	7.44	8.34	9.01	9.01
Tu, ton-m:	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	17.00	17.00	17.00	17.00	17.00	8.00	8.00	8.00

DESIGN

A-3 11 #3 @ 8 5 #3 @ 17 11 #3 @ 8 B-3

BEAM: 8(A-B) FLOOR: 4

Length: L = 3.11 m a = 0.20 m Section: b = 40.0 cm Sec: 40X40
Lu = 2.71 m c = 0.20 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.20	0.47	0.74	1.01	1.28	1.56	1.83	2.10	2.37	2.64	2.91
Mu(-), ton-m:	-6.63	-4.55	-2.75	-1.66	-1.66	-1.66	-1.66	-1.70	-2.92	-4.39	-6.16
Mu(+), ton-m:	3.32	2.89	2.52	2.14	1.76	1.95	2.71	3.44	3.99	4.47	4.92
As(-), cm2:	5.37	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.97
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	9.65	9.65	9.00	8.14	7.27	6.41	6.30	7.16	8.03	8.67	8.67
Tu, ton-m:	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	17.00	17.00	17.00	17.00	17.00	8.00	8.00	8.00

DESIGN

A-8 11 #3 @ 8 5 #3 @ 17 11 #3 @ 8 B-8

Company: AC INGENIERIA Engineer: ALVARO CABALLERO
Project: CASA CORREGIDOR - SOGAMOSO BLOQUE NUEVO 4:20:19 p. m. 4/05/2022

BEAM: 9(A-B) FLOOR: 4

Length: L = 3.11 m a = 0.20 m Section: b = 40.0 cm Sec: 40X40
Lu = 2.71 m c = 0.20 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.20	0.47	0.74	1.01	1.28	1.56	1.83	2.10	2.37	2.64	2.91
Mu(-), ton-m:	-7.79	-5.51	-3.50	-1.95	-1.95	-1.95	-1.95	-2.40	-3.91	-5.62	-7.61
Mu(+), ton-m:	4.94	4.23	3.50	2.76	2.03	1.95	3.04	4.11	5.02	5.82	6.60
As(-), cm2:	6.36	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	6.20
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.69	5.35
Vu, ton:	10.72	10.72	10.14	9.36	8.59	7.82	7.71	8.48	9.26	9.83	9.83
Tu, ton-m:	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	16.00	17.00	17.00	17.00	17.00	8.00	8.00	8.00

DESIGN

A-9 11 #3 @ 8 5 #3 @ 17 11 #3 @ 8 B-9

BEAM: 1(B-C) FLOOR: 5

Length: L = 1.88 m a = 0.20 m Section: b = 40.0 cm Sec: 40X40
Lu = 1.56 m c = 0.13 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.20	0.36	0.51	0.67	0.82	0.98	1.13	1.29	1.44	1.60	1.76
Mu(-), ton-m:	-4.71	-4.08	-3.48	-2.89	-2.32	-1.78	-1.30	-1.18	-1.18	-1.18	-1.18
Mu(+), ton-m:	2.38	2.30	2.21	2.11	2.00	1.90	1.83	1.75	1.65	1.54	1.46
As(-), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	4.37	4.37	4.37	4.30	4.20	4.11	4.02	3.93	3.85	3.85	3.85
Tu, ton-m:	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00

DESIGN

B-1 20 #3 @ 8 C-1

BEAM: 1(C-D) FLOOR: 5

Length: L = 1.97 m a = 0.13 m Section: b = 40.0 cm Sec: 40X40
Lu = 1.65 m c = 0.20 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.13	0.29	0.45	0.62	0.78	0.95	1.11	1.28	1.44	1.61	1.77
Mu(-), ton-m:	-1.08	-1.08	-1.08	-1.08	-1.08	-1.47	-1.99	-2.55	-3.13	-3.73	-4.34
Mu(+), ton-m:	1.37	1.38	1.46	1.55	1.62	1.67	1.76	1.85	1.94	2.01	2.17
As(-), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	3.55	3.55	3.55	3.64	3.74	3.83	3.93	4.02	4.11	4.11	4.11
Tu, ton-m:	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	8.00	8.00	17.00	8.00	8.00	8.00	8.00	8.00

DESIGN

C-1 21 #3 @ 8 D-1

BEAM: 1(D-E) FLOOR: 5

Length: L = 3.10 m a = 0.20 m Section: b = 40.0 cm Sec: 40X40
Lu = 2.70 m c = 0.20 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.20	0.47	0.74	1.01	1.28	1.55	1.82	2.09	2.36	2.63	2.90
Mu(-), ton-m:	-4.64	-3.58	-2.56	-1.60	-1.16	-1.16	-1.16	-1.26	-2.00	-2.77	-3.57
Mu(+), ton-m:	2.78	2.31	1.81	1.28	1.16	1.16	1.16	1.71	2.40	3.03	3.62
As(-), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	5.40	5.40	5.26	5.08	4.90	4.72	4.54	4.35	4.33	4.46	4.46
Tu, ton-m:	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	17.00	17.00	17.00	17.00	17.00	8.00	8.00	8.00

DESIGN

D-1 11 #3 @ 8 5 #3 @ 17 11 #3 @ 8 E-1

BEAM: 1(E-F) FLOOR: 5

Length: L = 4.67 m a = 0.20 m Section: b = 40.0 cm Sec: 40X40
Lu = 4.27 m c = 0.20 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.20	0.63	1.05	1.48	1.91	2.34	2.76	3.19	3.62	4.04	4.47
Mu(-), ton-m:	-3.68	-2.51	-1.51	-1.04	-1.04	-1.04	-1.04	-1.04	-1.86	-2.93	-4.15
Mu(+), ton-m:	1.96	1.84	1.65	1.44	1.10	1.04	1.21	1.51	1.72	1.87	2.07
As(-), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	3.27	3.21	2.89	2.56	2.24	2.05	2.38	2.70	3.02	3.35	3.41
Tu, ton-m:	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	8.00	8.00

DESIGN

E-1 11 #3 @ 8 15 #3 @ 17 11 #3 @ 8 F-1

BEAM: 3(B-C) FLOOR: 5

Length: L = 1.88 m a = 0.20 m Section: b = 40.0 cm Sec: 40X40
Lu = 1.68 m c = 0.00 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.20	0.37	0.54	0.70	0.87	1.04	1.21	1.38	1.54	1.71	1.88
Mu(-), ton-m:	-5.21	-4.25	-3.31	-2.39	-1.49	-1.33	-1.33	-1.33	-2.64	-3.97	-5.33
Mu(+), ton-m:	7.16	6.02	4.86	3.67	2.46	1.33	1.33	1.33	1.98	2.80	3.61
As(-), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
As(+), cm2:	5.82	4.86	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	11.50	11.50	11.50	11.65	11.79	11.93	12.08	12.22	12.36	12.36	12.36
Tu, ton-m:	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	8.00	8.00	13.00	8.00	8.00	8.00	8.00	8.00

DESIGN

B-3 21 #3 @ 8 C-3

BEAM: 3(C-D) FLOOR: 5

Length: L = 1.97 m a = 0.00 m Section: b = 40.0 cm Sec: 40X40
Lu = 1.77 m c = 0.20 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.00	0.18	0.35	0.53	0.71	0.89	1.06	1.24	1.42	1.59	1.77
Mu(-), ton-m:	-4.41	-3.72	-3.06	-2.43	-1.83	-1.44	-1.28	-1.25	-1.30	-1.59	-2.22
Mu(+), ton-m:	3.01	2.60	2.16	1.70	1.23	1.10	1.10	1.10	1.10	1.10	1.33
As(-), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	5.34	5.34	5.33	5.15	4.98	4.80	4.62	4.56	4.74	4.75	4.75
Tu, ton-m:	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	8.00	8.00	17.00	8.00	8.00	8.00	8.00	8.00

DESIGN

C-3 22 #3 @ 8 D-3

BEAM: 3(D-E) FLOOR: 5

Length: L = 3.10 m a = 0.20 m Section: b = 40.0 cm Sec: 40X40
Lu = 2.70 m c = 0.20 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.20	0.47	0.74	1.01	1.28	1.55	1.82	2.09	2.36	2.63	2.90
Mu(-), ton-m:	-7.56	-5.89	-4.29	-2.76	-1.89	-1.89	-1.89	-1.89	-1.99	-2.87	-3.80
Mu(+), ton-m:	3.78	2.79	2.26	1.89	1.89	1.89	1.89	2.60	3.75	4.83	5.85
As(-), cm2:	6.17	4.75	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.71
Vu, ton:	9.57	9.57	9.37	9.11	8.84	8.57	8.30	8.04	7.77	7.57	7.57
Tu, ton-m:	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	17.00	17.00	17.00	17.00	17.00	8.00	8.00	8.00

DESIGN

D-3 11 #3 @ 8 5 #3 @ 17 11 #3 @ 8 E-3

BEAM: 3(E-F) FLOOR: 5

Length: L = 4.67 m a = 0.20 m Section: b = 40.0 cm Sec: 40X40
Lu = 4.27 m c = 0.20 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.20	0.63	1.05	1.48	1.91	2.34	2.76	3.19	3.62	4.04	4.47
Mu(-), ton-m:	-4.02	-2.56	-1.38	-1.19	-1.19	-1.19	-1.19	-1.19	-1.79	-3.15	-4.76
Mu(+), ton-m:	2.01	1.73	1.78	1.78	1.58	1.50	1.52	1.60	1.56	1.49	2.38
As(-), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	4.37	4.25	3.69	3.13	2.57	2.39	2.95	3.51	4.07	4.63	4.75
Tu, ton-m:	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	8.00	8.00

DESIGN

E-3 11 #3 @ 8 15 #3 @ 17 11 #3 @ 8 F-3

BEAM: 3(F-G) FLOOR: 5

Length: L = 3.27 m a = 0.20 m Section: b = 40.0 cm Sec: 40X40
Lu = 2.87 m c = 0.20 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.20	0.49	0.77	1.06	1.35	1.64	1.92	2.21	2.50	2.78	3.07
Mu(-), ton-m:	-2.71	-2.08	-1.48	-1.09	-1.09	-1.09	-1.09	-1.63	-2.50	-3.41	-4.36
Mu(+), ton-m:	3.42	2.81	2.16	1.48	1.09	1.09	1.09	1.09	1.52	1.92	2.30
As(-), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	3.98	3.98	4.08	4.19	4.31	4.43	4.54	4.66	4.77	4.87	4.87
Tu, ton-m:	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	17.00	17.00	17.00	17.00	17.00	8.00	8.00	8.00

DESIGN

F-3 11 #3 @ 8 6 #3 @ 17 11 #3 @ 8 G-3

BEAM: 4(B-C) FLOOR: 5

Length: L = 1.88 m a = 0.20 m Section: b = 25.0 cm Sec: 25X40
Lu = 1.43 m c = 0.25 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.20	0.34	0.49	0.63	0.77	0.92	1.06	1.20	1.34	1.49	1.63
Mu(-), ton-m:	-0.80	-0.80	-0.80	-0.87	-1.14	-1.43	-1.75	-2.08	-2.43	-2.80	-3.20
Mu(+), ton-m:	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	1.60
As(-), cm2:	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93
As(+), cm2:	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93
Vu, ton:	4.20	4.20	4.20	4.27	4.39	4.51	4.63	4.75	4.82	4.82	4.82
Tu, ton-m:	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00

DESIGN

B-4 18 #3 @ 8 C-4

BEAM: 4(C-D) FLOOR: 5

Length: L = 1.97 m a = 0.25 m Section: b = 25.0 cm Sec: 25X40
Lu = 1.47 m c = 0.25 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.25	0.40	0.54	0.69	0.84	0.99	1.13	1.28	1.43	1.57	1.72
Mu(-), ton-m:	-3.00	-2.32	-1.65	-1.01	-0.75	-0.75	-0.75	-0.97	-1.47	-1.98	-2.50
Mu(+), ton-m:	2.30	1.86	1.41	0.97	0.75	0.75	0.88	1.48	2.07	2.65	3.20
As(-), cm2:	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93
As(+), cm2:	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93
Vu, ton:	6.73	6.73	6.73	6.68	6.61	6.53	6.46	6.39	6.34	6.34	6.34
Tu, ton-m:	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00

DESIGN

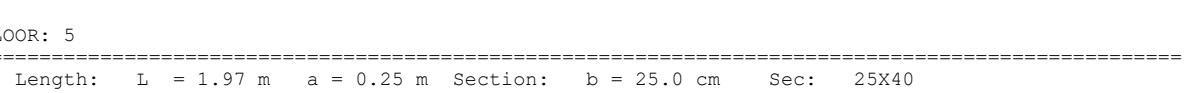
C-4 19 #3 @ 8 D-4

Company: AC INGENIERIA Engineer: ALVARO CABALLERO
Project: CASA CORREGIDOR - SOGAMOSO BLOQUE NUEVO 4:20:19 p. m. 4/05/2022

BEAM: 7(B-C) FLOOR: 5

Length:	L = 1.88 m	a = 0.20 m	Section:	b = 25.0 cm	Sec:	25X40				
	Lu = 1.43 m	c = 0.25 m		h = 40.0 cm	Mat:	3500 PSI				
X, m:	0.20	0.34	0.49	0.63	0.77	0.92	1.06	1.20	1.34	1.49	1.63
Mu(-), ton-m:	-0.86	-0.86	-0.86	-0.92	-1.21	-1.52	-1.86	-2.22	-2.60	-3.00	-3.43
Mu(+), ton-m:	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	1.71
As(-), cm2:	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93
As(+), cm2:	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93
Vu, ton:	4.58	4.58	4.58	4.65	4.77	4.90	5.03	5.15	5.22	5.22	5.22
Tu, ton-m:	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00

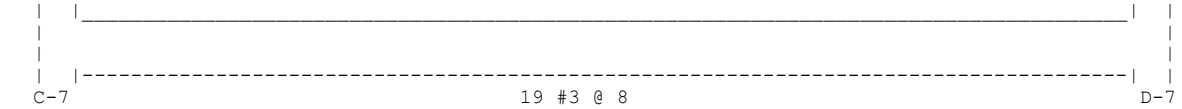
DESIGN



BEAM: 7(C-D) FLOOR: 5

Length:	L = 1.97 m	a = 0.25 m	Section:	b = 25.0 cm	Sec:	25X40				
	Lu = 1.47 m	c = 0.25 m		h = 40.0 cm	Mat:	3500 PSI				
X, m:	0.25	0.40	0.54	0.69	0.84	0.99	1.13	1.28	1.43	1.57	1.72
Mu(-), ton-m:	-2.98	-2.29	-1.63	-0.99	-0.74	-0.74	-0.74	-0.82	-1.26	-1.71	-2.17
Mu(+), ton-m:	1.94	1.58	1.21	0.83	0.74	0.74	0.87	1.45	2.02	2.57	3.10
As(-), cm2:	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93
As(+), cm2:	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93
Vu, ton:	6.89	6.89	6.89	6.83	6.74	6.64	6.55	6.46	6.40	6.40	6.40
Tu, ton-m:	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00

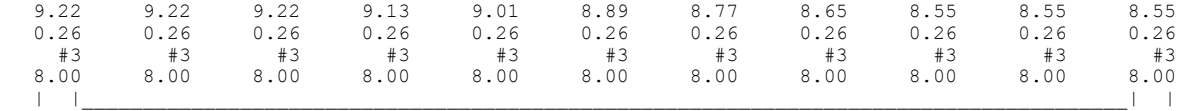
DESIGN



BEAM: 8(B-C) FLOOR: 5

Length:	L = 1.88 m	a = 0.20 m	Section:	b = 40.0 cm	Sec:	40X40				
	Lu = 1.53 m	c = 0.15 m		h = 40.0 cm	Mat:	3500 PSI				
X, m:	0.20	0.35	0.51	0.66	0.81	0.97	1.12	1.27	1.42	1.58	1.73
Mu(-), ton-m:	-6.63	-5.55	-4.48	-3.44	-2.47	-1.66	-1.66	-1.66	-1.66	-1.66	-1.66
Mu(+), ton-m:	3.32	2.08	2.17	2.26	2.38	2.59	2.84	3.06	3.27	3.69	4.35
As(-), cm2:	5.37	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	9.22	9.22	9.22	9.13	9.01	8.89	8.77	8.65	8.55	8.55	8.55
Tu, ton-m:	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00

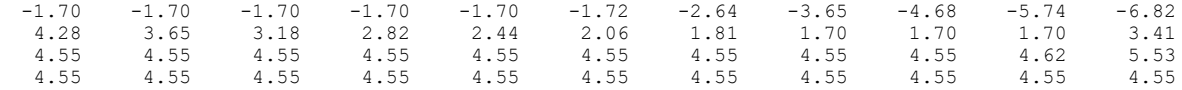
DESIGN



BEAM: 8(C-D) FLOOR: 5

Length:	L = 1.97 m	a = 0.15 m	Section:	b = 40.0 cm	Sec:	40X40				
	Lu = 1.57 m	c = 0.25 m		h = 40.0 cm	Mat:	3500 PSI				
X, m:	0.15	0.31	0.46	0.62	0.78	0.94	1.09	1.25	1.41	1.56	1.72
Mu(-), ton-m:	-1.70	-1.70	-1.70	-1.70	-1.70	-1.72	-2.64	-3.65	-4.68	-5.74	-6.82
Mu(+), ton-m:	4.28	3.65	3.18	2.82	2.44	2.06	1.81	1.70	1.70	1.70	3.41
As(-), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.62	5.53
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	9.06	9.06	9.06	9.15	9.27	9.38	9.50	9.62	9.71	9.71	9.71
Tu, ton-m:	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00

DESIGN



Company: AC INGENIERIA Engineer: ALVARO CABALLERO
Project: CASA CORREGIDOR - SOGAMOSO BLOQUE NUEVO 4:20:19 p. m. 4/05/2022

BEAM: 8(D-E) FLOOR: 5

Length: L = 3.10 m a = 0.25 m Section: b = 40.0 cm Sec: 40X40
Lu = 2.60 m c = 0.25 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.25	0.51	0.77	1.03	1.29	1.55	1.81	2.07	2.33	2.59	2.85
Mu(-), ton-m:	-5.85	-4.54	-3.28	-2.10	-1.46	-1.46	-1.46	-1.46	-2.15	-2.97	-3.82
Mu(+), ton-m:	2.93	2.27	1.77	1.46	1.46	1.46	1.46	1.94	2.78	3.55	4.25
As(-), cm2:	4.72	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	7.34	7.34	7.17	6.92	6.67	6.42	6.17	5.92	5.67	5.50	5.50
Tu, ton-m:	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	8.00	17.00	17.00	17.00	8.00	8.00	8.00	8.00

DESIGN

D-8 33 #3 @ 8 E-8

BEAM: 8(E-F) FLOOR: 5

Length: L = 4.67 m a = 0.25 m Section: b = 40.0 cm Sec: 40X40
Lu = 4.22 m c = 0.20 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.25	0.67	1.09	1.52	1.94	2.36	2.78	3.20	3.63	4.05	4.47
Mu(-), ton-m:	-4.35	-2.85	-1.63	-1.31	-1.31	-1.31	-1.31	-1.31	-2.06	-3.53	-5.24
Mu(+), ton-m:	2.18	2.11	2.08	1.98	1.70	1.46	1.51	1.64	1.68	1.68	2.62
As(-), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	4.50	4.39	3.83	3.27	2.71	2.73	3.29	3.85	4.41	4.97	5.08
Tu, ton-m:	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	8.00	8.00

DESIGN

E-8 11 #3 @ 8 14 #3 @ 17 11 #3 @ 8 F-8

BEAM: 8(F-G) FLOOR: 5

Length: L = 3.55 m a = 0.20 m Section: b = 40.0 cm Sec: 40X40
Lu = 3.15 m c = 0.20 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.20	0.52	0.83	1.15	1.46	1.78	2.09	2.41	2.72	3.04	3.35
Mu(-), ton-m:	-3.06	-2.35	-1.66	-1.19	-1.19	-1.19	-1.19	-1.75	-2.72	-3.72	-4.77
Mu(+), ton-m:	3.68	3.03	2.35	1.62	1.19	1.19	1.19	1.24	1.71	2.16	2.57
As(-), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	3.83	3.83	3.95	4.08	4.21	4.34	4.46	4.59	4.72	4.84	4.84
Tu, ton-m:	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	17.00	17.00	17.00	17.00	17.00	8.00	8.00	8.00

DESIGN

F-8 11 #3 @ 8 8 #3 @ 17 11 #3 @ 8 G-8

BEAM: 9(B-C) FLOOR: 5

Length: L = 1.88 m a = 0.20 m Section: b = 40.0 cm Sec: 40X40
Lu = 1.53 m c = 0.15 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.20	0.35	0.51	0.66	0.81	0.97	1.12	1.27	1.42	1.58	1.73
Mu(-), ton-m:	-7.32	-6.41	-5.52	-4.65	-3.78	-2.96	-2.24	-1.83	-1.83	-1.83	-1.83
Mu(+), ton-m:	3.75	3.63	3.51	3.37	3.23	3.09	3.04	2.98	2.91	2.82	2.72
As(-), cm2:	5.96	5.19	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	7.03	7.03	7.03	6.97	6.89	6.81	6.72	6.64	6.58	6.58	6.58
Tu, ton-m:	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00

DESIGN

B-9 19 #3 @ 8 C-9

BEAM: 9(C-D) FLOOR: 5

Length: L = 1.97 m a = 0.15 m Section: b = 40.0 cm Sec: 40X40
Lu = 1.62 m c = 0.20 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.15	0.31	0.47	0.64	0.80	0.96	1.12	1.28	1.45	1.61	1.77
Mu(-), ton-m:	-1.65	-1.65	-1.65	-1.65	-1.65	-2.20	-3.00	-3.86	-4.75	-5.66	-6.58
Mu(+), ton-m:	2.28	2.21	2.31	2.45	2.58	2.68	2.83	3.01	3.19	3.36	3.52
As(-), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.56	5.33
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	5.75	5.75	5.75	5.83	5.92	6.01	6.11	6.20	6.28	6.28	6.28
Tu, ton-m:	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	8.00	8.00	17.00	8.00	8.00	8.00	8.00	8.00

DESIGN

C-9 20 #3 @ 8 D-9

BEAM: 9(D-E) FLOOR: 5

Length: L = 3.10 m a = 0.20 m Section: b = 40.0 cm Sec: 40X40
Lu = 2.70 m c = 0.20 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.20	0.47	0.74	1.01	1.28	1.55	1.82	2.09	2.36	2.63	2.90
Mu(-), ton-m:	-5.35	-4.14	-2.98	-1.88	-1.34	-1.34	-1.34	-1.96	-3.05	-4.19	-5.38
Mu(+), ton-m:	4.34	3.55	2.73	1.87	1.34	1.34	1.34	2.00	2.87	3.70	4.50
As(-), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	5.77	5.77	5.64	5.46	5.28	5.10	5.21	5.39	5.57	5.71	5.71
Tu, ton-m:	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	17.00	17.00	17.00	17.00	17.00	8.00	8.00	8.00

DESIGN

D-9 11 #3 @ 8 5 #3 @ 17 11 #3 @ 8 E-9

BEAM: 9(E-F) FLOOR: 5

Length: L = 4.67 m a = 0.20 m Section: b = 40.0 cm Sec: 40X40
Lu = 4.27 m c = 0.20 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.20	0.63	1.05	1.48	1.91	2.34	2.76	3.19	3.62	4.04	4.47
Mu(-), ton-m:	-4.84	-3.45	-2.21	-1.38	-1.38	-1.38	-1.38	-1.51	-2.67	-4.02	-5.52
Mu(+), ton-m:	3.23	2.86	2.43	1.95	1.38	1.38	1.44	1.97	2.41	2.80	3.10
As(-), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	4.10	4.04	3.71	3.38	3.05	2.96	3.29	3.62	3.94	4.27	4.34
Tu, ton-m:	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	8.00	8.00

DESIGN

E-9 11 #3 @ 8 15 #3 @ 17 11 #3 @ 8 F-9

BEAM: 1(A-B) FLOOR: 6

Length: L = 3.11 m a = 0.20 m Section: b = 40.0 cm Sec: 40X40
Lu = 2.71 m c = 0.20 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.20	0.47	0.74	1.01	1.28	1.56	1.83	2.10	2.37	2.64	2.91
Mu(-), ton-m:	-2.75	-2.12	-1.53	-0.97	-0.69	-0.69	-0.69	-0.69	-1.07	-1.54	-2.04
Mu(+), ton-m:	1.68	1.43	1.16	0.86	0.69	0.69	0.69	0.87	1.23	1.55	1.84
As(-), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	3.08	3.08	2.99	2.86	2.73	2.61	2.48	2.36	2.48	2.58	2.58
Tu, ton-m:	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	17.00	17.00	17.00	17.00	17.00	8.00	8.00	8.00

DESIGN

A-1 11 #3 @ 8 5 #3 @ 17 11 #3 @ 8 B-1

BEAM: 1(B-C) FLOOR: 6

Length: L = 1.88 m a = 0.20 m Section: b = 40.0 cm Sec: 40X40
Lu = 1.56 m c = 0.13 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.20	0.36	0.51	0.67	0.82	0.98	1.13	1.29	1.44	1.60	1.76
Mu(-), ton-m:	-2.10	-1.79	-1.51	-1.24	-0.99	-0.74	-0.53	-0.53	-0.53	-0.53	-0.53
Mu(+), ton-m:	1.49	1.44	1.40	1.35	1.29	1.21	1.13	1.03	0.92	0.79	0.77
As(-), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	1.94	1.94	1.94	1.87	1.79	1.71	1.63	1.57	1.51	1.51	1.51
Tu, ton-m:	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00

DESIGN

B-1 20 #3 @ 8 C-1

BEAM: 1(C-D) FLOOR: 6

Length: L = 1.97 m a = 0.13 m Section: b = 40.0 cm Sec: 40X40
Lu = 1.65 m c = 0.20 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.13	0.29	0.45	0.62	0.78	0.95	1.11	1.28	1.44	1.61	1.77
Mu(-), ton-m:	-0.68	-0.68	-0.68	-0.68	-0.72	-1.01	-1.33	-1.66	-2.01	-2.36	-2.73
Mu(+), ton-m:	0.85	0.84	0.86	0.89	0.91	0.95	0.99	1.02	1.04	1.05	1.37
As(-), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	2.22	2.22	2.22	2.29	2.36	2.43	2.50	2.57	2.64	2.64	2.64
Tu, ton-m:	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	8.00	8.00	17.00	8.00	8.00	8.00	8.00	8.00

DESIGN

C-1 21 #3 @ 8 D-1

BEAM: 1(D-E) FLOOR: 6

Length: L = 3.10 m a = 0.20 m Section: b = 40.0 cm Sec: 40X40
Lu = 2.70 m c = 0.20 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.20	0.47	0.74	1.01	1.28	1.55	1.82	2.09	2.36	2.63	2.90
Mu(-), ton-m:	-2.84	-2.18	-1.56	-0.98	-0.71	-0.71	-0.71	-0.74	-1.19	-1.67	-2.18
Mu(+), ton-m:	1.61	1.36	1.08	0.77	0.71	0.71	0.71	0.96	1.34	1.69	2.02
As(-), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	3.23	3.23	3.13	3.01	2.88	2.76	2.63	2.51	2.62	2.71	2.71
Tu, ton-m:	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	17.00	17.00	17.00	17.00	17.00	8.00	8.00	8.00

DESIGN

D-1 11 #3 @ 8 5 #3 @ 17 11 #3 @ 8 E-1

BEAM: 1(E-F) FLOOR: 6

Length: L = 4.67 m a = 0.20 m Section: b = 40.0 cm Sec: 40X40
Lu = 4.27 m c = 0.20 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.20	0.63	1.05	1.48	1.91	2.34	2.76	3.19	3.62	4.04	4.47
Mu(-), ton-m:	-2.22	-1.49	-0.87	-0.75	-0.75	-0.75	-0.75	-0.75	-1.38	-2.15	-3.01
Mu(+), ton-m:	1.40	1.33	1.22	1.04	0.78	0.75	0.89	1.06	1.18	1.27	1.51
As(-), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	2.18	2.14	1.93	1.71	1.50	1.58	1.80	2.01	2.22	2.44	2.48
Tu, ton-m:	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	8.00	8.00

DESIGN

E-1 11 #3 @ 8 15 #3 @ 17 11 #3 @ 8 F-1

Company: AC INGENIERIA Engineer: ALVARO CABALLERO
Project: CASA CORREGIDOR - SOGAMOSO BLOQUE NUEVO 4:20:19 p. m. 4/05/2022

BEAM: 3(A-B) FLOOR: 6

Length: L = 3.11 m a = 0.20 m Section: b = 40.0 cm Sec: 40X40
Lu = 2.71 m c = 0.20 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.20	0.47	0.74	1.01	1.28	1.56	1.83	2.10	2.37	2.64	2.91
Mu(-), ton-m:	-2.95	-2.24	-1.57	-0.95	-0.74	-0.74	-0.74	-0.74	-0.76	-1.21	-1.68
Mu(+), ton-m:	1.66	1.46	1.24	0.99	0.74	0.74	0.74	1.14	1.55	1.92	2.24
As(-), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	3.70	3.70	3.60	3.45	3.31	3.17	3.02	2.88	2.74	2.70	2.70
Tu, ton-m:	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	17.00	17.00	17.00	17.00	17.00	8.00	8.00	8.00

DESIGN

A-3 11 #3 @ 8 5 #3 @ 17 11 #3 @ 8 B-3

BEAM: 3(B-C) FLOOR: 6

Length: L = 1.88 m a = 0.20 m Section: b = 40.0 cm Sec: 40X40
Lu = 1.68 m c = 0.00 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.20	0.37	0.54	0.70	0.87	1.04	1.21	1.38	1.54	1.71	1.88
Mu(-), ton-m:	-2.22	-1.67	-1.13	-1.01	-1.01	-1.01	-1.01	-1.64	-2.42	-3.21	-4.02
Mu(+), ton-m:	3.39	2.72	2.03	1.33	1.01	1.01	1.01	1.41	1.88	2.34	2.79
As(-), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	6.95	6.95	6.95	7.04	7.12	7.21	7.29	7.38	7.46	7.46	7.46
Tu, ton-m:	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	8.00	8.00	17.00	8.00	8.00	8.00	8.00	8.00

DESIGN

B-3 21 #3 @ 8 C-3

BEAM: 3(C-D) FLOOR: 6

Length: L = 1.97 m a = 0.00 m Section: b = 40.0 cm Sec: 40X40
Lu = 1.77 m c = 0.20 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.00	0.18	0.35	0.53	0.71	0.89	1.06	1.24	1.42	1.59	1.77
Mu(-), ton-m:	-3.56	-2.95	-2.37	-1.81	-1.30	-1.10	-1.16	-1.28	-1.59	-2.18	-2.81
Mu(+), ton-m:	2.51	2.08	1.63	1.17	0.89	0.89	0.89	0.89	0.89	1.22	1.64
As(-), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	4.67	4.67	4.66	4.51	4.37	4.22	4.27	4.42	4.56	4.58	4.58
Tu, ton-m:	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	8.00	8.00	17.00	8.00	8.00	8.00	8.00	8.00

DESIGN

C-3 22 #3 @ 8 D-3

BEAM: 3(D-E) FLOOR: 6

Length: L = 3.10 m a = 0.20 m Section: b = 40.0 cm Sec: 40X40
Lu = 2.70 m c = 0.20 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.20	0.47	0.74	1.01	1.28	1.55	1.82	2.09	2.36	2.63	2.90
Mu(-), ton-m:	-5.70	-4.52	-3.39	-2.29	-1.42	-1.42	-1.42	-1.42	-1.42	-1.45	-2.00
Mu(+), ton-m:	2.85	1.82	1.52	1.42	1.42	1.42	1.42	1.65	2.52	3.36	4.15
As(-), cm2:	4.59	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	7.14	7.14	7.04	6.90	6.75	6.61	6.47	6.33	6.19	6.08	6.08
Tu, ton-m:	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	17.00	17.00	17.00	17.00	17.00	8.00	8.00	8.00

DESIGN

D-3 11 #3 @ 8 5 #3 @ 17 11 #3 @ 8 E-3

Company: AC INGENIERIA Engineer: ALVARO CABALLERO
Project: CASA CORREGIDOR - SOGAMOSO BLOQUE NUEVO 4:20:19 p. m. 4/05/2022

BEAM: 3(E-F) FLOOR: 6

Length: L = 4.67 m a = 0.20 m Section: b = 40.0 cm Sec: 40X40
Lu = 4.27 m c = 0.20 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.20	0.63	1.05	1.48	1.91	2.34	2.76	3.19	3.62	4.04	4.47
Mu(-), ton-m:	-1.90	-1.21	-0.69	-0.69	-0.69	-0.69	-0.69	-0.69	-1.11	-1.88	-2.77
Mu(+), ton-m:	1.20	1.25	1.25	1.14	0.94	0.78	0.94	1.02	1.03	1.01	1.38
As(-), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	2.12	2.07	1.83	1.58	1.33	1.50	1.74	1.99	2.24	2.48	2.53
Tu, ton-m:	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	8.00	8.00

DESIGN

E-3 11 #3 @ 8 15 #3 @ 17 11 #3 @ 8 F-3

BEAM: 3(F-G) FLOOR: 6

Length: L = 3.27 m a = 0.20 m Section: b = 40.0 cm Sec: 40X40
Lu = 2.87 m c = 0.20 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.20	0.49	0.77	1.06	1.35	1.64	1.92	2.21	2.50	2.78	3.07
Mu(-), ton-m:	-1.40	-1.02	-0.67	-0.67	-0.67	-0.67	-0.67	-0.89	-1.44	-2.04	-2.67
Mu(+), ton-m:	1.80	1.54	1.24	0.90	0.67	0.67	0.67	0.67	0.83	0.97	1.34
As(-), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	2.18	2.18	2.27	2.40	2.53	2.66	2.79	2.92	3.05	3.16	3.16
Tu, ton-m:	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	17.00	17.00	17.00	17.00	17.00	8.00	8.00	8.00

DESIGN

F-3 11 #3 @ 8 6 #3 @ 17 11 #3 @ 8 G-3

BEAM: 4(A-B) FLOOR: 6

Length: L = 3.11 m a = 0.00 m Section: b = 30.0 cm Sec: 30X40
Lu = 3.10 m c = 0.00 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.00	0.31	0.62	0.93	1.24	1.56	1.87	2.18	2.49	2.80	3.11
Mu(-), ton-m:	-0.04	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
Mu(+), ton-m:	0.09	0.32	0.55	0.72	0.86	0.95	0.99	0.99	0.95	0.88	0.78
As(-), cm2:	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52
As(+), cm2:	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52
Vu, ton:	0.94	0.94	0.82	0.68	0.54	0.41	0.27	0.33	0.47	0.59	0.59
Tu, ton-m:	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	17.00	17.00	17.00	17.00	17.00	8.00	8.00	8.00

DESIGN

A-4 11 #3 @ 8 8 #3 @ 17 11 #3 @ 8 B-4

BEAM: 4(B-C) FLOOR: 6

Length: L = 1.88 m a = 0.00 m Section: b = 30.0 cm Sec: 30X40
Lu = 1.63 m c = 0.25 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.00	0.17	0.33	0.49	0.65	0.82	0.98	1.14	1.30	1.47	1.63
Mu(-), ton-m:	-1.06	-1.06	-1.06	-1.06	-1.38	-1.83	-2.29	-2.76	-3.25	-3.74	-4.25
Mu(+), ton-m:	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06	2.13
As(-), cm2:	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52
As(+), cm2:	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52
Vu, ton:	3.79	3.79	3.79	3.85	3.92	3.98	4.05	4.12	4.17	4.17	4.17
Tu, ton-m:	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	8.00	8.00	17.00	8.00	8.00	8.00	8.00	8.00

DESIGN

B-4 21 #3 @ 8 C-4

BEAM: 4(C-D) FLOOR: 6

Length: L = 1.97 m a = 0.25 m Section: b = 30.0 cm Sec: 30X40
Lu = 1.47 m c = 0.25 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.25	0.40	0.54	0.69	0.84	0.99	1.13	1.28	1.43	1.57	1.72
Mu(-), ton-m:	-2.29	-2.03	-1.78	-1.54	-1.38	-1.36	-1.37	-1.41	-1.52	-1.77	-2.03
Mu(+), ton-m:	1.14	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	1.02
As(-), cm2:	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52
As(+), cm2:	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52
Vu, ton:	3.22	3.22	3.22	3.19	3.14	3.15	3.20	3.25	3.28	3.28	3.28
Tu, ton-m:	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00

DESIGN

C-4 19 #3 @ 8 D-4

BEAM: 4(D-E) FLOOR: 6

Length: L = 3.10 m a = 0.25 m Section: b = 30.0 cm Sec: 30X40
Lu = 2.85 m c = 0.00 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.25	0.53	0.82	1.10	1.39	1.67	1.96	2.24	2.53	2.81	3.10
Mu(-), ton-m:	-6.03	-5.20	-4.41	-3.66	-2.95	-2.27	-1.63	-1.51	-1.51	-1.51	-1.51
Mu(+), ton-m:	3.01	1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.51
As(-), cm2:	4.77	4.09	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52
As(+), cm2:	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52
Vu, ton:	3.17	3.17	3.08	2.96	2.84	2.72	2.61	2.49	2.37	2.28	2.28
Tu, ton-m:	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	17.00	17.00	17.00	17.00	17.00	8.00	8.00	8.00

DESIGN

D-4 11 #3 @ 8 6 #3 @ 17 11 #3 @ 8 E-4

BEAM: 4(E-E') FLOOR: 6

Length: L = 2.29 m a = 0.00 m Section: b = 30.0 cm Sec: 30X40
Lu = 2.28 m c = 0.00 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.00	0.23	0.46	0.69	0.92	1.15	1.37	1.60	1.83	2.06	2.29
Mu(-), ton-m:	-0.14	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03
Mu(+), ton-m:	0.30	0.80	1.34	1.86	2.36	2.84	3.28	3.71	4.11	4.48	4.83
As(-), cm2:	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
As(+), cm2:	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.28
Vu, ton:	2.64	2.64	2.59	2.49	2.38	2.28	2.18	2.08	1.97	1.93	1.93
Tu, ton-m:	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	8.00	17.00	17.00	17.00	8.00	8.00	8.00	8.00

DESIGN

E-4 29 #3 @ 8 E'-4

BEAM: 4(E'-F) FLOOR: 6

Length: L = 2.38 m a = 0.00 m Section: b = 30.0 cm Sec: 30X40
Lu = 2.37 m c = 0.00 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.00	0.24	0.48	0.72	0.95	1.19	1.43	1.66	1.90	2.14	2.38
Mu(-), ton-m:	-0.36	-0.36	-0.36	-0.36	-0.36	-0.36	-0.36	-0.36	-0.36	-0.77	-1.43
Mu(+), ton-m:	4.83	4.33	3.80	3.24	2.65	2.04	1.40	0.74	0.36	0.36	0.71
As(-), cm2:	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52
As(+), cm2:	3.79	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52
Vu, ton:	2.60	2.60	2.66	2.77	2.88	2.98	3.09	3.20	3.31	3.37	3.37
Tu, ton-m:	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	8.00	17.00	17.00	17.00	8.00	8.00	8.00	8.00

DESIGN

E'-4 30 #3 @ 8 F-4

Company: AC INGENIERIA Engineer: ALVARO CABALLERO
Project: CASA CORREGIDOR - SOGAMOSO BLOQUE NUEVO 4:20:19 p. m. 4/05/2022

BEAM: 4(F-H) FLOOR: 6

Length: L = 1.62 m a = 0.00 m Section: b = 30.0 cm Sec: 30X40
Lu = 1.61 m c = 0.00 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.00	0.17	0.33	0.49	0.65	0.81	0.97	1.13	1.29	1.46	1.62
Mu(-), ton-m:	-1.32	-0.97	-0.70	-0.46	-0.33	-0.33	-0.33	-0.33	-0.33	-0.33	-0.33
Mu(+), ton-m:	0.66	0.33	0.33	0.33	0.33	0.33	0.57	0.84	1.10	1.35	1.59
As(-), cm2:	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52
As(+), cm2:	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52
Vu, ton:	2.10	2.10	2.10	2.05	1.98	1.91	1.84	1.77	1.72	1.72	1.72
Tu, ton-m:	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	8.00	8.00	17.00	8.00	8.00	8.00	8.00	8.00

DESIGN

F-4 20 #3 @ 8 H-4

BEAM: 4(H-G) FLOOR: 6

Length: L = 1.71 m a = 0.00 m Section: b = 30.0 cm Sec: 30X40
Lu = 1.70 m c = 0.00 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.00	0.17	0.34	0.51	0.68	0.85	1.03	1.20	1.37	1.54	1.71
Mu(-), ton-m:	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.18
Mu(+), ton-m:	1.60	1.47	1.34	1.20	1.04	0.87	0.68	0.49	0.28	0.11	0.09
As(-), cm2:	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52
As(+), cm2:	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52
Vu, ton:	0.86	0.86	0.86	0.93	1.00	1.07	1.14	1.21	1.28	1.28	1.28
Tu, ton-m:	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	8.00	8.00	17.00	8.00	8.00	8.00	8.00	8.00

DESIGN

H-4 22 #3 @ 8 G-4

BEAM: 7(A-B) FLOOR: 6

Length: L = 3.11 m a = 0.20 m Section: b = 30.0 cm Sec: 30X40
Lu = 2.71 m c = 0.20 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.20	0.47	0.74	1.01	1.28	1.56	1.83	2.10	2.37	2.64	2.91
Mu(-), ton-m:	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mu(+), ton-m:	0.25	0.47	0.67	0.84	0.98	1.08	1.14	1.16	1.16	1.12	1.05
As(-), cm2:	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52
As(+), cm2:	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52
Vu, ton:	0.96	0.96	0.89	0.78	0.67	0.57	0.46	0.36	0.39	0.46	0.46
Tu, ton-m:	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	17.00	17.00	17.00	17.00	17.00	8.00	8.00	8.00

DESIGN

A-7 11 #3 @ 8 5 #3 @ 17 11 #3 @ 8 B-7

BEAM: 7(B-C) FLOOR: 6

Length: L = 1.88 m a = 0.20 m Section: b = 30.0 cm Sec: 30X40
Lu = 1.43 m c = 0.25 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.20	0.34	0.49	0.63	0.77	0.92	1.06	1.20	1.34	1.49	1.63
Mu(-), ton-m:	-1.05	-1.05	-1.05	-1.05	-1.41	-1.84	-2.27	-2.71	-3.17	-3.69	-4.21
Mu(+), ton-m:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	2.11
As(-), cm2:	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52
As(+), cm2:	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52
Vu, ton:	4.17	4.17	4.17	4.20	4.25	4.30	4.35	4.41	4.44	4.44	4.44
Tu, ton-m:	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00

DESIGN

B-7 18 #3 @ 8 C-7

BEAM: 7(C-D) FLOOR: 6

Length: L = 1.97 m a = 0.25 m Section: b = 30.0 cm Sec: 30X40
Lu = 1.47 m c = 0.25 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.25	0.40	0.54	0.69	0.84	0.99	1.13	1.28	1.43	1.57	1.72
Mu(-), ton-m:	-2.14	-1.91	-1.71	-1.53	-1.42	-1.38	-1.36	-1.35	-1.35	-1.36	-1.52
Mu(+), ton-m:	1.07	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.76
As(-), cm2:	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52
As(+), cm2:	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52
Vu, ton:	3.05	3.05	3.05	3.02	2.98	2.93	2.88	2.83	2.80	2.80	2.80
Tu, ton-m:	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00

DESIGN

C-7 19 #3 @ 8 D-7

BEAM: 7(D-E) FLOOR: 6

Length: L = 3.10 m a = 0.25 m Section: b = 30.0 cm Sec: 30X40
Lu = 2.65 m c = 0.20 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.25	0.52	0.78	1.05	1.31	1.58	1.84	2.11	2.37	2.64	2.90
Mu(-), ton-m:	-6.00	-5.22	-4.47	-3.75	-3.06	-2.40	-1.78	-1.50	-1.50	-1.50	-1.50
Mu(+), ton-m:	3.00	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
As(-), cm2:	4.75	4.11	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52
As(+), cm2:	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52
Vu, ton:	3.20	3.20	3.14	3.03	2.93	2.83	2.73	2.63	2.53	2.46	2.46
Tu, ton-m:	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	8.00	17.00	17.00	17.00	8.00	8.00	8.00	8.00

DESIGN

D-7 33 #3 @ 8 E-7

BEAM: 7(E-E') FLOOR: 6

Length: L = 2.29 m a = 0.20 m Section: b = 30.0 cm Sec: 30X40
Lu = 2.09 m c = 0.00 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.20	0.41	0.62	0.83	1.03	1.24	1.45	1.66	1.87	2.08	2.29
Mu(-), ton-m:	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mu(+), ton-m:	0.87	1.35	1.81	2.25	2.67	3.07	3.45	3.81	4.16	4.48	4.78
As(-), cm2:	4.02	4.02	4.02	4.02	4.02	4.02	4.02	4.02	4.02	4.02	4.02
As(+), cm2:	4.02	4.02	4.02	4.02	4.02	4.02	4.02	4.02	4.02	4.02	4.25
Vu, ton:	2.38	2.38	2.35	2.26	2.18	2.09	2.01	1.92	1.83	1.81	1.81
Tu, ton-m:	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	8.00	17.00	17.00	17.00	8.00	8.00	8.00	8.00

DESIGN

E-7 26 #3 @ 8 E'-7

BEAM: 7(E'-F) FLOOR: 6

Length: L = 2.38 m a = 0.00 m Section: b = 30.0 cm Sec: 30X40
Lu = 2.18 m c = 0.20 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.00	0.22	0.44	0.66	0.87	1.09	1.31	1.53	1.74	1.96	2.18
Mu(-), ton-m:	-0.29	-0.29	-0.29	-0.29	-0.29	-0.29	-0.29	-0.29	-0.29	-0.65	-1.17
Mu(+), ton-m:	4.77	4.29	3.78	3.25	2.70	2.13	1.53	0.91	0.35	0.29	0.59
As(-), cm2:	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52
As(+), cm2:	3.74	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52
Vu, ton:	2.63	2.63	2.67	2.76	2.85	2.94	3.04	3.13	3.22	3.26	3.26
Tu, ton-m:	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	8.00	17.00	17.00	17.00	8.00	8.00	8.00	8.00

DESIGN

E'-7 27 #3 @ 8 F-7

BEAM: 7(F-H) FLOOR: 6

Length: L = 1.62 m a = 0.20 m Section: b = 30.0 cm Sec: 30X40
Lu = 1.42 m c = 0.00 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.20	0.34	0.48	0.62	0.77	0.91	1.05	1.19	1.33	1.47	1.62
Mu(-), ton-m:	-1.21	-0.96	-0.72	-0.49	-0.30	-0.30	-0.30	-0.30	-0.30	-0.30	-0.30
Mu(+), ton-m:	0.60	0.30	0.30	0.30	0.30	0.33	0.57	0.83	1.08	1.32	1.55
As(-), cm2:	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52
As(+), cm2:	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52
Vu, ton:	2.08	2.08	2.08	2.05	2.00	1.95	1.89	1.84	1.81	1.81	1.81
Tu, ton-m:	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00

DESIGN

F-7 18 #3 @ 8 H-7

BEAM: 7(H-G) FLOOR: 6

Length: L = 1.88 m a = 0.00 m Section: b = 30.0 cm Sec: 30X40
Lu = 1.68 m c = 0.20 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.00	0.17	0.34	0.51	0.67	0.84	1.01	1.18	1.34	1.51	1.68
Mu(-), ton-m:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mu(+), ton-m:	1.55	1.46	1.35	1.23	1.10	0.96	0.80	0.64	0.46	0.27	0.10
As(-), cm2:	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52
As(+), cm2:	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52
Vu, ton:	0.69	0.69	0.69	0.75	0.82	0.89	0.96	1.03	1.10	1.10	1.10
Tu, ton-m:	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	8.00	8.00	17.00	8.00	8.00	8.00	8.00	8.00

DESIGN

H-7 21 #3 @ 8 G-7

BEAM: 8(A-B) FLOOR: 6

Length: L = 3.11 m a = 0.20 m Section: b = 40.0 cm Sec: 40X40
Lu = 2.71 m c = 0.20 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.20	0.47	0.74	1.01	1.28	1.56	1.83	2.10	2.37	2.64	2.91
Mu(-), ton-m:	-2.65	-2.02	-1.43	-0.88	-0.66	-0.66	-0.66	-0.66	-0.66	-0.97	-1.35
Mu(+), ton-m:	1.33	0.99	0.85	0.69	0.66	0.66	0.66	0.90	1.23	1.52	1.77
As(-), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	3.34	3.34	3.23	3.09	2.94	2.80	2.66	2.52	2.37	2.27	2.27
Tu, ton-m:	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	17.00	17.00	17.00	17.00	17.00	8.00	8.00	8.00

DESIGN

A-8 11 #3 @ 8 5 #3 @ 17 11 #3 @ 8 B-8

BEAM: 8(B-C) FLOOR: 6

Length: L = 1.88 m a = 0.20 m Section: b = 40.0 cm Sec: 40X40
Lu = 1.53 m c = 0.15 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.20	0.35	0.51	0.66	0.81	0.97	1.12	1.27	1.42	1.58	1.73
Mu(-), ton-m:	-2.55	-2.09	-1.65	-1.22	-0.82	-0.64	-0.64	-0.64	-0.64	-0.64	-0.64
Mu(+), ton-m:	1.27	0.66	0.72	0.77	0.84	0.94	1.03	1.11	1.19	1.38	1.68
As(-), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	3.58	3.58	3.58	3.52	3.45	3.38	3.31	3.24	3.18	3.18	3.18
Tu, ton-m:	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00

DESIGN

B-8 19 #3 @ 8 C-8

BEAM: 8(C-D) FLOOR: 6

Length: L = 1.97 m a = 0.15 m Section: b = 40.0 cm Sec: 40X40
Lu = 1.57 m c = 0.25 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.15	0.31	0.46	0.62	0.78	0.94	1.09	1.25	1.41	1.56	1.72
Mu(-), ton-m:	-0.73	-0.73	-0.73	-0.73	-0.73	-0.79	-1.18	-1.59	-2.01	-2.45	-2.91
Mu(+), ton-m:	1.72	1.49	1.29	1.13	0.95	0.79	0.73	0.73	0.73	0.73	1.45
As(-), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	3.68	3.68	3.68	3.73	3.80	3.87	3.94	4.01	4.07	4.07	4.07
Tu, ton-m:	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00

DESIGN

C-8 20 #3 @ 8 D-8

BEAM: 8(D-E) FLOOR: 6

Length: L = 3.10 m a = 0.25 m Section: b = 40.0 cm Sec: 40X40
Lu = 2.60 m c = 0.25 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.25	0.51	0.77	1.03	1.29	1.55	1.81	2.07	2.33	2.59	2.85
Mu(-), ton-m:	-2.91	-2.24	-1.62	-1.03	-0.73	-0.73	-0.73	-0.73	-0.73	-1.04	-1.38
Mu(+), ton-m:	1.45	0.73	0.73	0.73	0.73	0.73	0.73	0.92	1.31	1.66	1.97
As(-), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	3.89	3.89	3.80	3.67	3.54	3.40	3.27	3.14	3.01	2.92	2.92
Tu, ton-m:	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	8.00	17.00	17.00	17.00	8.00	8.00	8.00	8.00

DESIGN

D-8 33 #3 @ 8 E-8

BEAM: 8(E-F) FLOOR: 6

Length: L = 4.67 m a = 0.25 m Section: b = 40.0 cm Sec: 40X40
Lu = 4.22 m c = 0.20 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.25	0.67	1.09	1.52	1.94	2.36	2.78	3.20	3.63	4.05	4.47
Mu(-), ton-m:	-1.91	-1.23	-0.69	-0.67	-0.67	-0.67	-0.67	-0.67	-1.03	-1.79	-2.68
Mu(+), ton-m:	1.07	1.15	1.18	1.11	0.94	0.73	0.79	0.82	0.80	0.75	1.34
As(-), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	2.09	2.03	1.77	1.51	1.26	1.47	1.73	1.99	2.25	2.51	2.56
Tu, ton-m:	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	8.00	8.00

DESIGN

E-8 11 #3 @ 8 14 #3 @ 17 11 #3 @ 8 F-8

BEAM: 8(F-G) FLOOR: 6

Length: L = 3.55 m a = 0.20 m Section: b = 40.0 cm Sec: 40X40
Lu = 3.15 m c = 0.20 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.20	0.52	0.83	1.15	1.46	1.78	2.09	2.41	2.72	3.04	3.35
Mu(-), ton-m:	-1.18	-0.82	-0.59	-0.59	-0.59	-0.59	-0.59	-0.69	-1.20	-1.76	-2.36
Mu(+), ton-m:	1.43	1.28	1.08	0.83	0.59	0.59	0.59	0.59	0.67	0.73	1.18
As(-), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	1.82	1.82	1.69	1.80	1.95	2.09	2.24	2.38	2.53	2.66	2.66
Tu, ton-m:	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	17.00	17.00	17.00	17.00	17.00	8.00	8.00	8.00

DESIGN

F-8 11 #3 @ 8 8 #3 @ 17 11 #3 @ 8 G-8

BEAM: 9(A-B) FLOOR: 6

Length: L = 3.11 m a = 0.20 m Section: b = 40.0 cm Sec: 40X40
Lu = 2.71 m c = 0.20 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.20	0.47	0.74	1.01	1.28	1.56	1.83	2.10	2.37	2.64	2.91
Mu(-), ton-m:	-2.88	-2.27	-1.69	-1.15	-0.72	-0.72	-0.72	-0.72	-1.00	-1.50	-2.05
Mu(+), ton-m:	1.91	1.65	1.35	1.04	0.72	0.72	0.72	0.72	0.97	1.30	1.60
As(-), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	2.92	2.92	2.83	2.71	2.58	2.46	2.33	2.39	2.51	2.61	2.61
Tu, ton-m:	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	17.00	17.00	17.00	17.00	17.00	8.00	8.00	8.00

DESIGN

A-9 11 #3 @ 8 5 #3 @ 17 11 #3 @ 8 B-9

BEAM: 9(B-C) FLOOR: 6

Length: L = 1.88 m a = 0.20 m Section: b = 40.0 cm Sec: 40X40
Lu = 1.53 m c = 0.15 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.20	0.35	0.51	0.66	0.81	0.97	1.12	1.27	1.42	1.58	1.73
Mu(-), ton-m:	-2.57	-2.18	-1.80	-1.46	-1.15	-0.84	-0.64	-0.64	-0.64	-0.64	-0.64
Mu(+), ton-m:	1.38	1.36	1.34	1.34	1.35	1.34	1.33	1.30	1.26	1.21	1.19
As(-), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	2.76	2.76	2.76	2.71	2.65	2.59	2.52	2.46	2.41	2.41	2.41
Tu, ton-m:	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00

DESIGN

B-9 19 #3 @ 8 C-9

BEAM: 9(C-D) FLOOR: 6

Length: L = 1.97 m a = 0.15 m Section: b = 40.0 cm Sec: 40X40
Lu = 1.62 m c = 0.20 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.15	0.31	0.47	0.64	0.80	0.96	1.12	1.28	1.45	1.61	1.77
Mu(-), ton-m:	-0.80	-0.80	-0.80	-0.80	-0.80	-1.06	-1.46	-1.88	-2.32	-2.76	-3.22
Mu(+), ton-m:	1.20	1.20	1.22	1.24	1.24	1.23	1.26	1.29	1.31	1.32	1.61
As(-), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	2.95	2.95	2.95	3.01	3.08	3.15	3.21	3.28	3.34	3.34	3.34
Tu, ton-m:	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	8.00	8.00	17.00	8.00	8.00	8.00	8.00	8.00

DESIGN

C-9 20 #3 @ 8 D-9

BEAM: 9(D-E) FLOOR: 6

Length: L = 3.10 m a = 0.20 m Section: b = 40.0 cm Sec: 40X40
Lu = 2.70 m c = 0.20 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.20	0.47	0.74	1.01	1.28	1.55	1.82	2.09	2.36	2.63	2.90
Mu(-), ton-m:	-2.09	-1.60	-1.14	-0.72	-0.64	-0.64	-0.64	-0.87	-1.40	-1.97	-2.57
Mu(+), ton-m:	1.80	1.52	1.21	0.87	0.64	0.64	0.64	0.70	0.98	1.24	1.47
As(-), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	2.51	2.51	2.41	2.29	2.34	2.46	2.59	2.71	2.84	2.93	2.93
Tu, ton-m:	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	8.00	17.00	17.00	17.00	17.00	17.00	8.00	8.00	8.00

DESIGN

D-9 11 #3 @ 8 5 #3 @ 17 11 #3 @ 8 E-9

BEAM: 9(E-F) FLOOR: 6

Length: L = 4.67 m a = 0.20 m Section: b = 40.0 cm Sec: 40X40
Lu = 4.27 m c = 0.20 m h = 40.0 cm Mat: 3500 PSI

X, m:	0.20	0.63	1.05	1.48	1.91	2.34	2.76	3.19	3.62	4.04	4.47
Mu(-), ton-m:	-2.43	-1.65	-1.00	-0.85	-0.85	-0.85	-0.85	-0.85	-1.58	-2.44	-3.40
Mu(+), ton-m:	1.63	1.53	1.39	1.16	0.85	0.85	0.89	1.07	1.23	1.33	1.70
As(-), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
As(+), cm2:	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Vu, ton:	2.40	2.35	2.12	1.89	1.67	1.84	2.07	2.31	2.54	2.77	2.82
Tu, ton-m:	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	8.00	8.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	8.00	8.00

DESIGN

E-9 11 #3 @ 8 15 #3 @ 17 11 #3 @ 8 F-9

Design Results - Walls (DES)

NOTE: Shear Walls are designed according to NSR-10
Method selected for design of boundary elements: Displacement-based method
Height of plasic zone: Larger of Lw and Mu/4Vu (Lw: Individual wall length)
Provitions for confinement above plastic zone to prevent compression failure are considered
Boundary elements are extended vertically above hinge area until c/Lw < 0.3

						HORIZONTAL REINFORCEMENT			VERTICAL REINFORCEMENT						
Wall	Story	B (m)	H (m)	t (cm)	Mat -	LCmb crit	Vu (ton)	Reinforcement	LCmb crit	Pu (ton)	Mu2 (ton-m)	As tot (cm2)	As ctr (cm2)	As end (cm2)	Ends
2(C-D)	5	1.97	2.70	15.0	1	21	4.44	#3@23 .0020	¤23	-7.86	2.86	4.88	-	-	-
2(C-D)	4	1.97	1.00	15.0	1	21	15.75	#3@19 .0025	21	12.77	1.26	7.38	-	-	-
2(C-D)	3	1.97	1.80	15.0	1	21	16.71	#3@19 .0025	21	14.05	10.05	7.38	-	-	-
2(C-D)	2	1.97	2.80	15.0	1	22	26.82	2Ly#3@38 .0025	26	13.14	40.49	8.47	-	-	-
2(C-D)	1	1.97	4.85	20.0	1	21	66.51	2Ly#3@15 .0047	26	14.57	199.36	58.79	14.03	22.37	20x40*
						*26	Confine 40 cm each end		Est #3 @6.5 cm			XTies:	T: 0	X: 1	
D(2-3)	5	2.17	2.70	15.0	1	19	8.18	#3@23 .0020	19	22.90	37.93	43.50	3.51	20.00	40x50
						*19	Confine 0 cm each end		Est #3 @11.5 cm			XTies:	T: 1	X: 2 @14 cm	
D(2-3)	4	2.17	1.00	15.0	1	21	12.27	#3@19 .0025	21	34.25	4.25	44.38	4.38	20.00	40x50
						*21	Confine 0 cm each end		Est #3 @11.5 cm			XTies:	T: 1	X: 2 @14 cm	
D(2-3)	3	2.17	1.80	15.0	1	19	16.22	#3@19 .0025	19	42.63	15.25	44.38	4.38	20.00	40x50
						*19	Confine 0 cm each end		Est #3 @11.5 cm			XTies:	T: 1	X: 2 @14 cm	
D(2-3)	2	2.17	2.80	15.0	1	20	35.59	2Ly#3@32 .0029	20	34.36	75.97	44.38	4.38	20.00	40x50
						*20	Confine 0 cm each end		Est #3 @11.5 cm			XTies:	T: 1	X: 2 @14 cm	
D(2-3)	1	2.17	4.85	20.0	1	19	62.72	2Ly#3@15 .0045	23	-17.52	246.58	77.19	14.03	31.57	40x50
						*23	Confine 0 cm each end		Est #3 @11.5 cm			XTies:	T: 1	X: 2 @14 cm	
C(2-3)	5	1.92	2.70	15.0	1	22	8.34	#3@23 .0020	22	13.39	11.77	5.76	-	-	-
C(2-3)	4	1.92	1.00	15.0	1	22	10.31	#3@20 .0020	24	-8.75	16.38	7.25	-	-	-
C(2-3)	3	1.92	1.80	15.0	1	22	10.31	#3@23 .0020	22	17.98	14.51	5.76	-	-	-
C(2-3)	2	1.92	2.80	15.0	1	19	21.87	#3@19 .0025	26	5.90	34.31	11.77	-	-	-
C(2-3)	1	1.92	4.85	20.0	1	19	37.02	2Ly#3@28 .0025	23	7.34	128.72	39.29	15.84	11.72	20x30
									Est #3 @15 cm			XTies:	T: 0	X: 1	

¤ : Design of wall element is controlled by Out-of-plane bending.
Vert. reinf. could be reduced by assigning a lower OutPlane stiffness reduction factor.
* : Wall requires confinement Boundary Elements at its ends. Provide confinement Stirrups (Est)
Cross-ties (Xties)are assumed same diameter as stirrups. T: Long. X-ties, X: Transv. X-ties

Wall	Story	B	H	t	Mat	LCmb	Vu	Reinforcement	LCmb	Pu	Mu2	As tot	As ctr	As end	Ends

Design results - Footings

Footing	Floor	Mat	B m	L m	h cm	Vu1/ØVc1 Vu2/ØVc2	Dir -	Reinforcem	As cm2	Mu ton-m
C(2-3)	1	1	1.92	1.92	35	0.37	B	#4@19 cm	6.300*	6.75
						0.00	L	10#4	12.10	0.00
2(C-D)	1	1	1.97	1.97	35	0.53	B	#4@20 cm	6.323*	10.11
						0.00	L	10#4	12.46	0.00
D(2-3)	1	1	1.92	1.92	35	0.26	B	#4@19 cm	6.300*	4.65
						0.00	L	10#4	12.10	0.00
G-9	1	1	2.23	2.40	47	0.43	B	17#4@14 cm	20.36	26.89
						0.60	L	15#4@14 cm	18.87	5.28
F-9	1	1	5.03	2.80	44	0.32	B	18#4@15 cm	22.10	26.09
						0.76	L	32#4@15 cm	39.66	14.14
E-9	1	1	5.10	2.93	47	0.34	B	20#4@14 cm	24.65	32.24
						0.75	L	34#4@15 cm	42.98	18.18
D-9	1	1	4.98	2.90	45	0.34	B	19#4@15 cm	23.73	29.66
						0.78	L	33#4@15 cm	40.71	17.32
B-9	1	1	4.65	2.75	43	0.33	B	17#4@16 cm	21.34	24.53
						0.78	L	29#4@16 cm	36.09	14.63
A-9	1	1	3.63	2.15	40	0.39	B	13#4@16 cm	15.61	16.10
						0.63	L	21#4@17 cm	26.32	6.12
G-8	1	1	2.53	4.68	39	0.31	B	27#4@17 cm	33.00	11.19
						0.85	L	15#4@16 cm	17.82	17.52
F-8	1	1	2.85	2.95	38	0.46	B	17#4@17 cm	20.29	18.92
						0.68	L	16#4@17 cm	19.60	18.44
E-8	1	1	2.75	2.85	42	0.52	B	18#4@15 cm	21.55	23.05
						0.68	L	17#4@16 cm	20.80	22.92
D-8	1	1	2.55	2.65	40	0.48	B	16#4@16 cm	19.08	15.70
						0.60	L	15#4@17 cm	18.36	17.19
B-8	1	1	2.55	2.65	39	0.51	B	15#4@17 cm	18.73	18.45
						0.67	L	15#4@17 cm	18.02	16.63
A-8	1	1	2.23	2.33	36	0.52	B	12#4@19 cm	14.87	12.32
						0.62	L	12#4@18 cm	14.23	8.72
D-7	1	1	3.58	3.58	40	0.35	B	21#4@17 cm	25.74	22.55
						0.53	L	21#4@17 cm	25.74	21.13
C-7	1	1	3.58	3.58	40	0.34	B	21#4@17 cm	25.74	22.12
						0.52	L	21#4@17 cm	25.74	18.09
G-5a	1	1	2.20	2.60	35	0.08	B	13#4@20 cm	16.38	2.81
						0.48	L	11#4@20 cm	13.86	3.85
F-5a	1	1	2.83	1.60	35	0.25	B	8#4@20 cm	10.08	4.76
						0.47	L	15#4@19 cm	17.80	1.91
G-5	1	1	2.20	2.63	35	0.08	B	14#4@19 cm	16.54	2.80
						0.48	L	11#4@20 cm	13.86	3.90
F-5	1	1	2.78	1.60	35	0.24	B	8#4@20 cm	10.08	4.61
						0.78	L	14#4@20 cm	17.48	1.87
D-4	1	1	3.20	3.20	40	0.45	B	19#4@16 cm	23.04	21.98
						0.64	L	19#4@16 cm	23.04	23.28
C-4	1	1	3.20	3.20	40	0.41	B	19#4@16 cm	23.04	20.16
						0.58	L	19#4@16 cm	23.04	21.35
G-3	1	1	2.38	4.40	38	0.31	B	24#4@18 cm	29.85	8.71

Footing	Floor	Mat	B	L	h	Vu1/ØVc1	Dir	Reinforcem	As	Mu
						0.76	L	13#4@18 cm	16.11	14.80
F-3	1	1	2.75	2.85	38	0.47	B	16#4@18 cm	19.40	17.21
						0.68	L	15#4@18 cm	18.72	17.30
E-3	1	1	2.75	2.85	41	0.51	B	17#4@16 cm	21.25	22.89
						0.73	L	17#4@16 cm	20.51	22.08
D-3	1	1	6.45	6.55	89	0.48	B	53#5@12 cm	104.5	231.87
						0.85	L	57#5@11 cm	111.5	324.10
B-3	1	1	2.28	2.38	36	0.52	B	13#4@18 cm	15.42	13.13
						0.66	L	12#4@19 cm	14.77	12.04
A-3	1	1	2.03	2.13	35	0.42	B	11#4@19 cm	13.39	8.18
						0.51	L	11#4@18 cm	12.76	7.67
G-1	1	1	2.25	2.25	35	0.08	B	12#4@19 cm	14.18	2.49
						0.45	L	12#4@19 cm	14.18	3.00
F-1	1	1	4.80	2.70	49	0.25	B	19#4@14 cm	23.75	21.62
						0.97	L	34#4@14 cm	42.23	12.79
E-1	1	1	5.05	2.83	52	0.26	B	21#4@13 cm	26.37	27.11
						1.00	L	38#4@13 cm	47.13	16.64
D-1	1	1	4.75	2.68	51	0.27	B	20#4@13 cm	24.59	24.52
						0.98	L	35#4@13 cm	43.67	14.50
B-1	1	1	4.53	2.55	48	0.26	B	18#4@14 cm	22.21	19.79
						0.91	L	32#4@14 cm	39.42	11.24
A-1	1	1	3.48	2.03	38	0.31	B	11#4@18 cm	13.70	10.36
						0.91	L	19#4@18 cm	23.51	4.23

* : cm2/m

STEEL DESIGN CHECK

COLUMN CAPACITY RATIOS

Column	Story	Sec	Lb2	Lb3	rBA	rV3	rV2

BEAM CAPACITY RATIOS

Beam	Floor	Sec	LbTop	LbBot	rMn	rMp	rV3
A(4-7)	6	IPE-330	777	777	0.053	0.809	0.066
B(4-7)	6	IPE-330	777	777	0.060	0.908	0.074
C(4-7)	6	IPE-330	777	777	0.058	0.596	0.050
D(4-7)	6	IPE-330	777	777	0.081	0.836	0.070
E(4-7)	6	IPE-330	777	777	0.075	1.130*	0.093
E'(4-7)	6	IPE-330	777	777	0.061	0.921	0.076
F(4-7)	6	IPE-330	777	777	0.063	0.953	0.078
H(4-7)	6	IPE-330	777	777	0.036	0.551	0.045
G(4-7)	6	IPE-330	777	777	0.005	0.070	0.006

Company: AC INGENIERIA
Engineer: ALVARO CABALLERO
Project: CASA CORREGIDOR - SOGAMOSO BLOQUE NUEVO
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STRONG COLUMN WEAK BEAM CHECK

Units: ton-m

		Direction 2					Direction 3				
Axis	Floor	S.Mnc->	S.Mnb->	S.Mnc<-	S.Mnb<-	Ratio	S.Mnc->	S.Mnb->	S.Mnc<-	S.Mnb<-	Ratio
A-1	2	28.6	6.3	33.0	6.3	4.5	40.1	6.3	38.9	6.3	6.2
A-1	4	28.0	6.3	30.1	6.3	4.5	37.6	6.3	37.0	6.3	5.9
B-1	2	31.7	12.6	34.9	12.6	2.5	43.5	6.3	42.1	6.3	6.7
B-1	3	30.5	6.3	32.2	7.0	4.6	41.1	0.0	39.5	0.0	100.0
B-1	4	29.6	6.3	30.7	6.3	4.7	39.5	6.3	37.9	6.3	6.0
B-1	5	28.5	6.3	29.4	6.3	4.5	37.6	6.3	36.7	6.3	5.8
D-1	2	32.2	12.6	33.8	12.6	2.6	46.3	8.9	38.4	8.0	4.8
D-1	3	30.4	12.6	31.6	12.6	2.4	42.4	10.0	37.2	8.9	4.2
D-1	5	28.8	12.6	29.5	12.6	2.3	38.8	7.8	36.0	7.2	5.0
E-1	2	34.8	12.6	35.2	12.6	2.8	45.6	10.6	44.3	6.3	4.3
E-1	3	32.1	12.6	32.4	12.6	2.6	41.9	11.4	40.9	6.3	3.7
E-1	5	29.6	12.6	29.8	12.6	2.4	38.4	10.5	37.8	6.3	3.7
F-1	2	33.5	12.6	33.1	12.6	2.6	46.5	11.0	39.0	6.3	4.2
F-1	3	31.1	6.3	30.7	6.3	4.9	40.4	10.1	38.9	6.3	4.0
F-1	5	29.1	6.3	28.9	6.3	4.6	37.7	9.7	36.7	6.3	3.9
A-3	2	32.7	6.3	33.7	7.0	4.8	39.6	6.3	45.7	6.5	6.3
A-3	4	30.4	6.3	30.8	7.2	4.3	37.6	6.3	40.9	6.3	6.0
B-3	2	32.5	12.6	37.6	12.6	2.6	39.6	13.8	48.7	13.8	2.9
B-3	3	29.0	10.7	36.4	8.5	2.7	38.4	6.3	45.6	6.3	6.1
B-3	4	29.7	7.8	32.0	6.3	3.8	37.1	6.3	42.2	6.3	5.9
B-3	5	27.3	8.0	31.0	6.3	3.4	36.1	12.6	38.8	12.6	2.9
E-3	2	43.0	12.6	35.0	12.6	2.8	44.5	6.3	50.6	11.7	4.3
E-3	3	35.3	14.2	36.0	14.1	2.5	41.3	6.3	48.5	11.6	4.2
E-3	5	31.5	12.8	31.6	12.8	2.5	38.3	6.3	42.8	10.3	4.1
F-3	2	37.2	12.6	36.4	12.6	2.9	47.3	6.3	47.3	12.4	3.8
F-3	3	31.5	12.6	35.6	12.6	2.5	39.8	6.3	46.3	9.5	4.9
F-3	5	30.3	12.6	32.6	12.6	2.4	38.3	6.3	42.4	8.2	5.2
G-3	2	27.7	6.3	22.6	6.3	3.6	25.4	6.3	24.9	7.6	3.3
G-3	3	24.6	6.5	22.7	6.3	3.6	23.9	0.0	23.4	0.0	100.0
G-3	5	23.5	6.3	22.8	6.3	3.6	23.3	0.0	22.9	0.0	100.0
C-4	2	39.0	11.9	43.5	11.8	3.3	31.8	8.1	49.5	8.1	3.9
C-4	3	38.0	13.5	39.7	13.5	2.8	33.1	8.5	44.6	10.3	3.9
C-4	5	36.2	8.3	36.1	8.3	4.3	33.6	4.6	38.8	6.2	6.2
D-4	2	47.2	6.0	35.3	6.3	5.6	30.1	11.1	50.1	10.6	2.7
D-4	3	42.5	6.8	35.6	6.7	5.3	31.8	11.5	46.2	14.7	2.8
D-4	5	37.5	4.2	34.9	4.2	8.4	32.6	8.4	39.8	11.6	3.4
C-7	2	38.8	19.4	43.0	19.2	2.0	42.5	5.0	39.3	5.0	7.9
C-7	3	38.6	13.8	39.0	13.8	2.8	39.8	5.3	37.8	5.0	7.6
C-7	5	36.8	8.3	35.9	8.3	4.3	36.8	5.1	35.8	5.0	7.2
D-7	2	46.8	9.5	36.5	9.9	3.7	44.6	6.3	38.8	6.3	6.2
D-7	3	42.1	6.7	37.2	6.7	5.6	41.2	9.3	38.1	6.3	4.4
D-7	5	37.4	4.2	36.0	4.2	8.7	37.3	8.6	36.0	6.3	4.4
A-8	2	31.8	9.1	34.3	11.7	2.9	42.1	6.3	42.8	6.3	6.7
A-8	4	30.2	6.3	30.8	7.4	4.2	39.0	6.3	39.4	6.3	6.2
B-8	2	38.8	18.4	36.9	18.3	2.0	45.3	12.7	49.5	12.7	3.6
B-8	3	35.1	6.3	33.6	10.4	3.2	42.4	6.3	45.9	6.3	6.7
B-8	4	32.6	6.8	31.7	6.3	4.8	40.3	6.3	42.3	6.3	6.4
B-8	5	30.1	6.3	30.1	7.4	4.1	37.8	12.6	39.4	12.6	3.0
D-8	2	44.1	20.0	40.3	20.1	2.0	37.2	13.8	47.2	13.8	2.7
D-8	3	40.2	16.2	37.3	16.3	2.3	35.7	13.8	41.8	13.8	2.6
D-8	5	36.5	13.9	34.9	13.9	2.5	34.4	13.7	37.0	13.8	2.5
E-8	2	49.4	19.7	40.3	19.6	2.1	43.6	11.1	46.7	6.3	3.9
E-8	3	43.9	14.2	38.0	14.2	2.7	39.8	10.1	42.1	6.3	3.9
E-8	5	38.3	12.6	35.6	12.6	2.8	36.3	9.7	37.6	6.3	3.7
F-8	2	38.8	17.1	35.1	17.1	2.1	47.1	12.2	47.5	6.3	3.9
F-8	3	35.0	13.6	32.2	13.7	2.3	43.0	8.5	43.3	6.3	5.1
F-8	5	32.5	12.6	30.5	12.6	2.4	40.2	7.4	40.7	6.3	5.4
G-8	2	28.2	10.1	22.1	8.3	2.7	25.2	8.0	25.2	6.3	3.1
G-8	3	25.2	7.4	22.2	6.3	3.4	23.5	0.0	23.8	0.0	100.0
G-8	5	23.9	6.3	22.4	6.3	3.6	23.0	0.0	23.3	0.0	100.0
A-9	2	27.9	11.0	33.7	13.5	2.5	36.9	6.3	42.2	6.3	5.9
A-9	4	28.5	6.3	29.5	8.7	3.4	36.0	6.3	38.5	6.3	5.7
B-9	2	32.8	21.7	35.3	21.7	1.5	40.0	6.3	47.5	6.3	6.4
B-9	3	33.0	8.2	30.8	12.3	2.5	38.1	0.0	43.9	0.0	100.0
B-9	4	31.4	8.4	29.8	7.3	3.7	37.1	6.3	41.5	6.3	5.9
B-9	5	28.7	6.3	29.8	8.1	3.7	36.3	6.3	38.7	6.7	5.7
D-9	2	32.8	21.9	37.4	22.0	1.5	41.1	6.3	48.5	8.5	5.7
D-9	3	33.0	18.6	31.9	18.8	1.7	39.0	6.3	44.3	9.1	4.9
D-9	5	29.2	13.6	30.4	13.6	2.1	36.9	6.3	39.6	9.1	4.4
E-9	2	36.4	22.6	36.5	22.5	1.6	42.4	6.3	49.4	10.6	4.7
E-9	3	35.2	17.1	31.7	17.0	1.9	40.0	6.3	45.1	11.1	4.1
E-9	5	30.3	12.6	30.8	12.6	2.4	37.7	6.3	40.3	11.0	3.7

Company: AC INGENIERIA Engineer: ALVARO CABALLERO
Project: CASA CORREGIDOR - SOGAMOSO BLOQUE NUEVO 4:24:53 p. m. 4/05/2022

Axis	Floor	S.Mnc->	S.Mnb->	S.Mnc<-	S.Mnb<-	Ratio	S.Mnc->	S.Mnb->	S.Mnc<-	S.Mnb<-	Ratio
F-9	2	32.3	26.0	34.7	26.0	1.2	39.4	6.3	46.6	11.5	4.1
F-9	3	32.3	9.3	29.7	6.9	3.5	37.6	6.3	42.0	10.1	4.2
F-9	5	29.0	6.3	29.0	6.3	4.6	36.1	6.3	38.4	9.9	3.9

S.Mnc: Sum of nominal flexural strengths of columns framing into the joint
S.Mnb: Sum of nominal flexural strengths of beams framing into the joint
--> : Drift +
<-- : Drift -
Ratio: MIN (S.Mnc/SMnb ->, S.Mnc/SMnb ->)
Check: OK If Ratio > 1.2
X If Ratio < 1.2 *

9 MUROS NO ESTRUCTURALES

DIRECCIÓN: Carrera 9 No. 22 -55 Sogamoso, Boyacá
CORREO ELECTRONICO: consorciocorregidor08@gmail.com
TELEFONO: 315 738 8988

GEOMETRÍA DEL MURO

Longitud del Muro (m)	**3**
Espesor nominal del Muro, t (m)	**0.15**
Altura Libre del Muro (m)	**3**
Muro Simplemente Apoyado	

COEF DE CAPAC. DE DISIPACION Rp (mínimo)

Deriva de Piso (cm)	**2.8**
Grado Desempeño Mínimo Req	**Superior**

MATERIAL DEL LADRILLO

Material Bloque o Ladrillo	**Concreto**

CONSTANTES DE DISEÑO

Resistencia a Compresión Mampostería f'm (kg/cm2)	**50**
Límite de Fluencia del Acero, Fy (kg/cm2)	**4200**
Factor de Sobrepeso por Revoque del Muro	**1.25**
Peso Unitario de la Mampostería (kg/m3)	**1300**
Tipo de Mortero	**M**
Módulo de Elasticidad Mampostería, Em (kg/cm2)	**110000**

UBICACIÓN DEL MURO A ANALIZAR

Tipo de Muro según su Ubicación en Planta	**Interior**
Aceleración de Piso, Ax, Considerada	**0.41**

Ecuaciones Básicas NSR-10

Fp(1) = (Ax Ap / Rp) gMp

Fp(2) = (Aa I/2) gMp

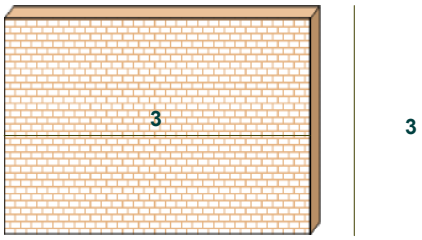
Fp = Máx (Fp(1) , Fp(2))

Simbología

Mp = Masa del Elemento No Estructural
g = Aceleración de la Gravedad
Ax = Aceler Horizl del Elem No Estruct
I = Coeficiente de Importancia
Ap = Coef de Amplific Dinámica del Elem
Rp = Coef Capac Disp de Energ del Elem
Fp = Fuerza Sísmica sobre Elem No Estr

RESULTADOS GENERALES

Peso del Muro =	**0.73 t/m**
Coef de Amplif Dinámica del Elemento No Estr, ap =	**1**
Coef de Disipación de Energía del Elem No Estr, Rp =	**3**
Fuerza Horz Sísmica sobre el Elemento Fp (Ecuac 1) =	**0.1 t/m**
Fuerza Horz Sísmica sobre el Elemento Fp (Ecuac 2) =	**0.1 t/m**
Fuerza Horz Sísmica Fp dominante =	**0.1 t/m**



SOLICITACIONES POR LA FUERZA SÍSMICA Fp

Reacción en el Apoyo Inferior =	**50.3 kg / m**
Reacción en el Apoyo Superior =	**50.3 kg / m**
Momento Máx Positivo =	**75.4 kg-m/m**
Momento Máx Negativo =	**-**
Momento Máx Absoluto =	**75.4 kg-m/m**

SOLICITACIONES POR LA DERIVA DE PISO

Ángulo del Muro (por desplazam -deriva-) =	**0.5 º**
Fuerza Fpp (por desplazam -deriva-) =	**6.82 kg / m**
Momento Máx (por desplazam -deriva-) =	**5.1 kg-m / m**
Cortante Máx por Desplazam (Fpp/2) =	**3.41 kg / m**

ENVOLVENTE DE SOLICITACIONES

Momento Máximo =	**80.5 kg-m / m**
Cortante Máximo =	**53.7 kg / m**

Aa: Coeficiente de Aceleración Pico Efectiva
Desempeño: Comportamiento del Elemento ante ocurr del Sismo
Anclajes Especiales : Rp = 6
Anclajes Dúctiles: Rp = 6
Anclajes No Dúctiles : Rp = 1.5

ESFUERZOS ADMISIBLES : COMPRESIÓN AXIAL

Altura h'	**3 m**
Espesor Efectivo, t	**14 cm**
Espesor Equivalente, teq	**7.7 cm**
Coeficiente de Esbeltez, Re =	**0.773**
Módulo Elasticidad Mampostería =	**45000 kg/cm2**
Módulo Elasticidad del Acero =	**2000000 kg/cm2**
Esfuerzo Admisible, Fa =	**7.73 kg/cm2**
Esfuerzo Actuante, fa =	**0.95 kg/cm2**
Revisión del Esfuerzo Adms Fa :	**Fa > fa <OK>**

ESFUERZOS COMBINADOS

fa / Fa + fb / Fb =	**0.804**
Revisión fa/Fa + fb/Fb <= 1.33	**fa/Fa+fb/Fb**

ESFUERZOS ADMISIBLES : ACERO

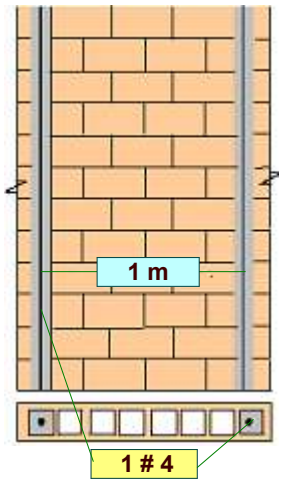
Esfuerzo Admsible Fs =	**2261 kg/cm2 (inc**
Esfuerzo Actuante fs =	**1019.87 kg/cm2**
Revisión del Esfuerzo Adms Fs :	**Fs adm > fs act <OK>**

ESFUERZOS ADMISIBLES: COMPRESIÓN POR FLEXIÓN

Ancho b =	**100 cm (1 m)**
Brazo Efect de la Armadura, d =	**7 cm**
Área de Acero As =	**1.27 cm2 / m**
n =	**44.44**
Relación de Acero Rho =	**0.0018**
k =	**0.329**
j =	**0.89**
Esfuerzo Admisible, Fb =	**16.5 kg/cm2**
Esfuerzo Actuante fb =	**11.23 kg/cm2**
Revisión del Esfuerzo Adms Fb :	**Fb > fb <OK>**

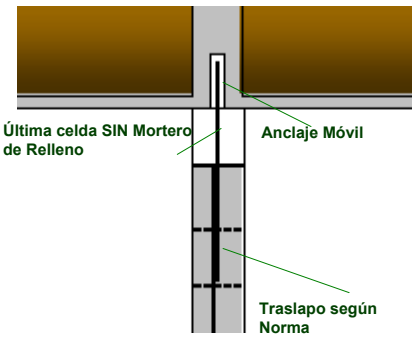
ESFUERZOS ADMISIBLES : CORTANTE

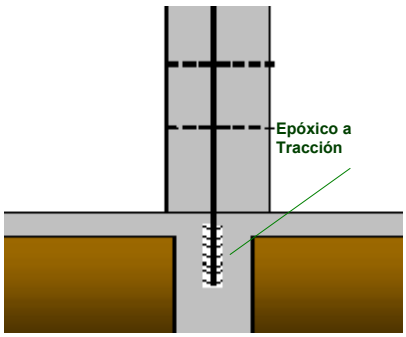
Cortante V =	**53.7 kg/m muro**
Esfuerzo Admsible Fv =	**1.84 kg/cm2**
Esfuerzo Actuante fv =	**0.09 kg/cm2**
Revisión del Esfuerzo Adms Fv :	**Fv > fv <OK>**



ESQUEMAS APROXIMADOS SUGERIDOS

Corte Típico parte SUP Muro





Corte Típico parte INF Muro

GEOMETRÍA DEL MURO

Longitud del Muro (m)	**3.3**
Espesor nominal del Muro, t (m)	**0.15**
Altura Libre del Muro (m)	**3**
Muro Simplemente Apoyado	

COEF DE CAPAC. DE DISIPACION Rp (mínimo)

Deriva de Piso (cm)	**2.8**
Grado Desempeño Mínimo Req	**Superior**

MATERIAL DEL LADRILLO

Material Bloque o Ladrillo	**Concreto**

CONSTANTES DE DISEÑO

Resistencia a Compresión Mampostería f'm (kg/cm2)	**50**
Límite de Fluencia del Acero, Fy (kg/cm2)	**4200**
Factor de Sobrepeso por Revoque del Muro	**1.25**
Peso Unitario de la Mampostería (kg/m3)	**1300**
Tipo de Mortero	**M**
Módulo de Elasticidad Mampostería, Em (kg/cm2)	**110000**

UBICACIÓN DEL MURO A ANALIZAR

Tipo de Muro según su Ubicación en Planta	**de Fachada**
Aceleración de Piso, Ax, Considerada	**0.43**

Ecuaciones Básicas NSR-10

Fp(1) = (Ax Ap / Rp) gMp

Fp(2) = (Aa I/2) gMp

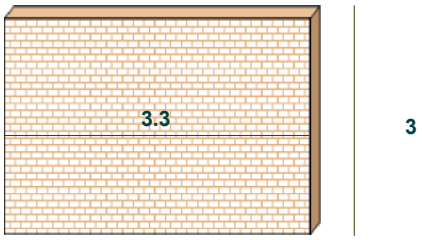
Fp = Máx (Fp(1) , Fp(2))

Simbología

Mp = Masa del Elemento No Estructural
g = Aceleración de la Gravedad
Ax = Aceler Horizl del Elem No Estruct
I = Coeficiente de Importancia
Ap = Coef de Amplific Dinámica del Elem
Rp = Coef Capac Disp de Energ del Elem
Fp = Fuerza Sísmica sobre Elem No Estr

RESULTADOS GENERALES

Peso del Muro =	**0.73 t/m**
Coef de Amplif Dinámica del Elemento No Estr, ap =	**1**
Coef de Disipación de Energía del Elem No Estr, Rp =	**3**
Fuerza Horz Sísmica sobre el Elemento Fp (Ecuac 1) =	**0.1 t/m**
Fuerza Horz Sísmica sobre el Elemento Fp (Ecuac 2) =	**0.1 t/m**
Fuerza Horz Sísmica Fp dominante =	**0.1 t/m**



SOLICITACIONES POR LA FUERZA SÍSMICA Fp

Reacción en el Apoyo Inferior =	**69.7 kg / m**
Reacción en el Apoyo Superior =	**69.7 kg / m**
Momento Máx Positivo =	**104.6 kg-m/m**
Momento Máx Negativo =	**-**
Momento Máx Absoluto =	**104.6 kg-m/m**

SOLICITACIONES POR LA DERIVA DE PISO

Ángulo del Muro (por desplazam -deriva-) =	**0.5 º**
Fuerza Fpp (por desplazam -deriva-) =	**6.82 kg / m**
Momento Máx (por desplazam -deriva-) =	**5.1 kg-m / m**
Cortante Máx por Desplazam (Fpp/2) =	**3.41 kg / m**

ENVOLVENTE DE SOLICITACIONES

Momento Máximo =	**109.7 kg-m / m**
Cortante Máximo =	**73.1 kg / m**

Aa: Coeficiente de Aceleración Pico Efectiva
Desempeño: Comportamiento del Elemento ante ocurr del Sismo
Anclajes Especiales : Rp = 6
Anclajes Dúctiles: Rp = 6
Anclajes No Dúctiles : Rp = 1.5

ESFUERZOS ADMISIBLES : COMPRESIÓN AXIAL

Altura h'	**3 m**
Espesor Efectivo, t	**14 cm**
Espesor Equivalente, teq	**7.7 cm**
Coeficiente de Esbeltez, Re =	**0.773**
Módulo Elasticidad Mampostería =	**45000 kg/cm2**
Módulo Elasticidad del Acero =	**2000000 kg/cm2**
Esfuerzo Admisible, Fa =	**7.73 kg/cm2**
Esfuerzo Actuante, fa =	**0.95 kg/cm2**
Revisión del Esfuerzo Adms Fa :	**Fa > fa <OK>**

ESFUERZOS COMBINADOS

fa / Fa + fb / Fb =	**1.05**
Revisión fa/Fa + fb/Fb <= 1.33	**fa/Fa+fb/Fb**

ESFUERZOS ADMISIBLES : ACERO

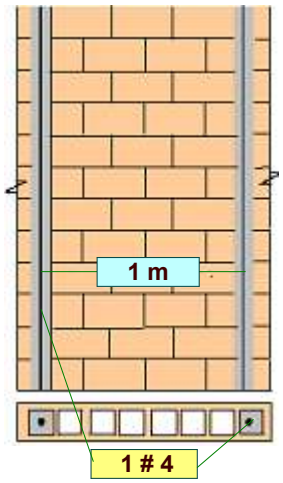
Esfuerzo Admsible Fs =	**2261 kg/cm2 (inc**
Esfuerzo Actuante fs =	**1388.92 kg/cm2**
Revisión del Esfuerzo Adms Fs :	**Fs adm > fs act <OK>**

ESFUERZOS ADMISIBLES: COMPRESIÓN POR FLEXIÓN

Ancho b =	**100 cm (1 m)**
Brazo Efect de la Armadura, d =	**7 cm**
Área de Acero As =	**1.27 cm2 / m**
n =	**44.44**
Relación de Acero Rho =	**0.0018**
k =	**0.329**
j =	**0.89**
Esfuerzo Admisible, Fb =	**16.5 kg/cm2**
Esfuerzo Actuante fb =	**15.3 kg/cm2**
Revisión del Esfuerzo Adms Fb :	**Fb > fb <OK>**

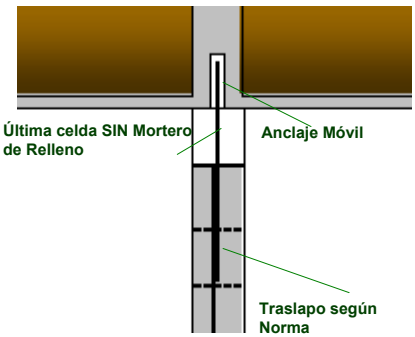
ESFUERZOS ADMISIBLES : CORTANTE

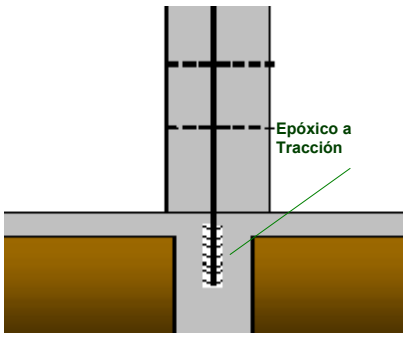
Cortante V =	**73.1 kg/m muro**
Esfuerzo Admsible Fv =	**1.84 kg/cm2**
Esfuerzo Actuante fv =	**0.12 kg/cm2**
Revisión del Esfuerzo Adms Fv :	**Fv > fv <OK>**



ESQUEMAS APROXIMADOS SUGERIDOS

Corte Típico parte SUP Muro





Corte Típico parte INF Muro

10 DISEÑO DE PERFILES METÁLICOS DE CUBIERTA

DIRECCIÓN: Carrera 9 No. 22 -55 Sogamoso, Boyacá
CORREO ELECTRONICO: consorciocorregidor08@gmail.com
TELEFONO: 315 738 8988

Company: AC INGENIERIA Engineer: ALVARO CABALLERO
Project: CASA CORREGIDOR - SOGAMOSO BLOQUE NUEVO 1:46:28 p. m. 10/02/2022
File: D:\RCB\EDIFICIO CORREDOR - SOGAMOSO\BLOQUES NUEVOS V2.0.rcb

MEMBER: C(4-11) STORY: 3

Length: L = 7.77 m Lu = 7.37 m
a = 20.0 cm c = 20.0 cm

SUMMARY CAPACITY RATIOS
Negative Moments, Mu(-)/ØMn ..... = 0.040
Positive Moments, Mu(+)/ØMn ..... = 0.489
Shear Force, Vu/ØVn ..... = 0.054

CRITICAL CAPACITY RATIOS
Negative Moments
Ultimate Moment, Mu(-) ..... = -0.513 ton-m
Nominal strength, Mn(-) ..... = 14.070 ton-m
Capacity ratio, Mu/ØMn ..... = 0.040
Positive Moments
Ultimate Moment, Mu(+) ..... = 6.193 ton-m
Nominal strength, Mn(-) ..... = 14.070 ton-m
Capacity Ratio, Mu/ØMn ..... = 0.489
Shear Force
Ultimate Force, Vu ..... = 3.361 ton
Nominal strength, Vn ..... = 69.804 ton
Capacity Ratio, Vu/ØVn ..... = 0.054

CAPACITY RATIOS ALONG MEMBER

Section	1	2	3	4	5	6	7	8	9	10	11
Distance X, m	0.20	0.94	1.67	2.41	3.15	3.89	4.62	5.36	6.10	6.83	7.57
Negative Moments											
Ultimate Mu(-)	-0.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.51
Nominal Mn(-)	14.07	14.07	14.07	14.07	14.07	14.07	14.07	14.07	14.07	14.07	14.07
C. Ratio Mu/ØMn	0.040	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.040
Positive Moments											
Ultimate Mu(+)	0.45	2.14	3.90	5.15	5.92	6.19	5.92	5.15	3.90	2.14	0.45
Nominal Mn(+)	14.07	14.07	14.07	14.07	14.07	14.07	14.07	14.07	14.07	14.07	14.07
C. Ratio Mu/ØMn	0.035	0.169	0.308	0.407	0.468	0.489	0.468	0.407	0.308	0.169	0.035
Shear Force											
Ultimate Vu	3.36	2.69	2.02	1.34	0.67	0.00	0.67	1.34	2.02	2.69	3.36
Nominal Vn	69.80	69.80	69.80	69.80	69.80	69.80	69.80	69.80	69.80	69.80	69.80
C. Ratio Vu/ØVn	0.054	0.043	0.032	0.021	0.011	0.000	0.011	0.021	0.032	0.043	0.054

DETAILED NOMINAL STRENGTHS _____

SECTION DATA
Section ..... = IPE-400
Shape ..... = 7: I
Width, b ..... = 18.00 cm
Depth, d ..... = 40.00 cm
Web, tw ..... = .86 cm
Flange, tf ..... = 1.35 cm
Area, A ..... = 80.68 cm2
ShearArea, A3 ..... = 33.24 cm2
ShearArea, A2 ..... = 40.50 cm2
Inertia, I2 ..... = 21876.00 cm4
Inertia, I3 ..... = 1314.00 cm4
Torsion, J ..... = 37.43 cm4
ElasMod, S2 ..... = 1094.00 cm3
ElasMod, S3 ..... = 146.00 cm3
PlasMod, Z2 ..... = 1238.00 cm3
PlasMod, Z3 ..... = 116.20 cm3
Radious, R2 ..... = 16.47 cm
Radious, R3 ..... = 4.04 cm

SPACING LATERAL SUPPORTS
Top flange, Lb top ..... = 777.00 cm(No interm. supports)
Bottom lange, Lb bottom ..... = 777.00 cm(No interm. supports)

Unbraced length for high ductility: 0.086 r3 E/Fy = 201.3 cm
WARNING: Unbraced length excedes that required for high ductility!!!

MATERIAL DATA
Material ..... = ASTM A50
Elastic Modul, E ..... = 2030000 Kg/cm2
Shear Modulus, G ..... = 805000 Kg/cm2
Yield stress, Fy ..... = 3500 Kg/cm2

NOMINAL BENDING STRENGTH FOR POSITIVE MOMENTS

NOMINAL BENDING STRENGTH

Limit States: 1. Flange local Buckilng
2. Web local buckling
3. Lateral torsional buckling

1. FLANGE LOCAL BUCKLING
Limiting Width-Thickness Ratios - AISC B4 & D1
λs (special) 1 = 0.30 (E/Fy)½ = 427.4/Fy½ = 7.22
λi (intermed) 2 = 0.38 (E/Fy)½ = 541.4/Fy½ = 9.15
λp (compact) 3 = 0.38 (E/Fy)½ = 541.4/Fy½ = 9.15
λr (noncompact) 4 = 1.0 (E/Fy)½ = 1424.8/Fy½ = 24.08
λ = b/2tf = 6.67
Classification
COMPACT Section (1) - Special: highly ductil

2. WEB LOCAL BUCKLING
Limiting Width-Thickness Ratios - AISC B4 & D1
λs (special) 1 = 2.45 (Es/Fy)½ (1 - 0.93 Pu/ØPy)= 3490.7/Fy½ (1 - 0.93 Pu/ØPy) For Pu/ØPy <=0.125
= 0.77 (Es/Fy)½ (2.93- Pu/ØPy) = 1097.1/Fy½ (2.93 - Pu/ØPy) For Pu/ØPy > 0.125
λi (intermed) 2 = 3.76 (Es/Fy)½ (1 - 2.75 Pu/ØPy)= 5357.2/Fy½ (1 - 2.75 Pu/ØPy) For Pu/ØPy <=0.125
= 1.12 (Es/Fy)½ (2.33- Pu/ØPy) = 1595.8/Fy½ (2.33 - Pu/ØPy) For Pu/ØPy > 0.125
λp (compact) 3 = 3.76 (Es/Fy)½ (1 - 2.75 Pu/ØPy)= 5357.2/Fy½ (1 - 2.75 Pu/ØPy) For Pu/ØPy <=0.125
= 1.12 (Es/Fy)½ (2.33- Pu/ØPy) = 1595.8/Fy½ (2.33 - Pu/ØPy) For Pu/ØPy > 0.125
>= 1.49 (Es/Fy)½ = 2122.9/Fy½
λr (noncompact)4= 5.7 (Es/Fy)½ (1 - 0.74 Pu/ØPy) = 8121.2/Fy½ (1 - 0.74Pu/ØPy)
Pu/ØPy = .00
λs (special) 1 = 59.00
λi (intermed) 2 = 90.55
λp (compact) 3 = 90.55
λr (noncompact) 4 = 137.27
λ = h/tw = 40.77
Classification
COMPACT Section (1) - Special: highly ductil

3a. LATERAL TORSIONAL BUCKLING - Major Bending
Limiting laterally unbraced lengths AISC - F
Lp = 1.76 r3 (E/Fy)½ = 2507.6 r3/Fy½ = 171.1 cm
Lr = 1.95 r E/(0.7Fy) {Jc/(Sx ho) + [(Jc/(Sx ho))² + 6.76(0.7 Fy/E)²]½ }½ = 501.0 cm
Lb = 777.00 cm
Lateral torsional buckling behavior
Elastic behavior: LTB in the elastic range (Lb > Lr)
Unbraced length for high ductility: Ls = 0.086 r3 E/Fy = 201.3 cm

WARNING: Unbraced length excedes that required for high ductility!!!

Nominal bending strength - Major direction bending, Mn2
Mr2 = 26.80 ton-m
Mp2 = 43.33 ton-m
Mn2 = 14.07 ton-m

3b. LATERAL TORSIONAL BUCKLING - Minor Bending
Limiting laterally unbraced lengths AISC - F
NA

Nominal bending strength - Minor direction bending, Mn3
Mr3 = 3.58 ton-m
Mp3 = 4.07 ton-m
Mn3 = 4.07 ton-m

NOMINAL BENDING STRENGTH FOR NEGATIVE MOMENTS

NOMINAL BENDING STRENGTH

Limit States: 1. Flange local Buckilng
2. Web local buckling
3. Lateral torsional buckling

1. FLANGE LOCAL BUCKLING
Limiting Width-Thickness Ratios - AISC B4 & D1
λs (special) 1 = 0.30 (E/Fy)½ = 427.4/Fy½ = 7.22
λi (intermed) 2 = 0.38 (E/Fy)½ = 541.4/Fy½ = 9.15
λp (compact) 3 = 0.38 (E/Fy)½ = 541.4/Fy½ = 9.15
λr (noncompact) 4 = 1.0 (E/Fy)½ = 1424.8/Fy½ = 24.08
λ = b/2tf = 6.67
Classification
COMPACT Section (1) - Special: highly ductil

2. WEB LOCAL BUCKLING
Limiting Width-Thickness Ratios - AISC B4 & D1

```
     λs (special)  1 = 2.45 (Es/Fy)½ (1 - 0.93 Pu/ØPy)= 3490.7/Fy½ (1 - 0.93 Pu/ØPy)  For Pu/ØPy <=0.125
                     = 0.77 (Es/Fy)½ (2.93- Pu/ØPy) = 1097.1/Fy½ (2.93 - Pu/ØPy)      For Pu/ØPy >  0.125
     λi (intermed) 2 = 3.76 (Es/Fy)½ (1 - 2.75 Pu/ØPy)= 5357.2/Fy½ (1 - 2.75 Pu/ØPy)  For Pu/ØPy <=0.125
                     = 1.12 (Es/Fy)½ (2.33- Pu/ØPy) = 1595.8/Fy½ (2.33 - Pu/ØPy)      For Pu/ØPy >  0.125
     λp (compact)  3 = 3.76 (Es/Fy)½ (1 - 2.75 Pu/ØPy)= 5357.2/Fy½ (1 - 2.75 Pu/ØPy)  For Pu/ØPy <=0.125
                     = 1.12 (Es/Fy)½ (2.33- Pu/ØPy) = 1595.8/Fy½ (2.33 - Pu/ØPy)      For Pu/ØPy >  0.125
                    >= 1.49 (Es/Fy)½ = 2122.9/Fy½
     λr (noncompact)4= 5.7 (Es/Fy)½ (1 - 0.74 Pu/ØPy) = 8121.2/Fy½ (1 - 0.74Pu/ØPy)
     Pu/ØPy = .00
     λs (special)    1 = 59.00
     λi (intermed)   2 = 90.55
     λp (compact)    3 = 90.55
     λr (noncompact) 4 = 137.27
     λ  = h/tw = 40.77
   Classification
     COMPACT Section (1) - Special: highly ductil

3a. LATERAL TORSIONAL BUCKLING - Major Bending
    Limiting laterally unbraced lengths AISC - F
    Lp = 1.76 r3 (E/Fy)½ = 2507.6 r3/Fy½ = 171.1 cm
    Lr = 1.95 r  E/(0.7Fy) {Jc/(Sx ho) + [(Jc/(Sx ho))² + 6.76(0.7 Fy/E)²]½ }½  = 501.0 cm
    Lb = 777.00 cm
    Lateral torsional buckling behavior
      Elastic behavior: LTB in the elastic range (Lb > Lr)
      Unbraced length for high ductility: Ls = 0.086 r3 E/Fy = 201.3 cm

      WARNING: Unbraced length excedes that required for high ductility!!!

   Nominal bending strength - Major direction bending, Mn2
     Mr2 = 26.80 ton-m
     Mp2 = 43.33 ton-m
     Mn2 = 14.07 ton-m

3b. LATERAL TORSIONAL BUCKLING - Minor Bending
    Limiting laterally unbraced lengths AISC - F
     NA

   Nominal bending strength - Minor direction bending, Mn3
     Mr3 = 3.58 ton-m
     Mp3 = 4.07 ton-m
     Mn3 = 4.07 ton-m


NOMINAL SHEAR STRENGTH FOR MAJOR DIRECTION SHEAR
  Nominal shear strength, V3n = 0.6 Fy A3 Cv ..... = 69.804 ton  (Cv = 1.0)  (h/tw = 46.51)
```

Company: AC INGENIERIA Engineer: ALVARO CABALLERO
Project: CASA CORREGIDOR - SOGAMOSO BLOQUE NUEVO 1:46:52 p. m. 10/02/2022
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MEMBER: D(4-11) STORY: 5

Length: L = 7.77 m Lu = 7.37 m
a = 20.0 cm c = 20.0 cm

SUMMARY CAPACITY RATIOS
Negative Moments, Mu(-)/ØMn ..... = 0.068
Positive Moments, Mu(+)/ØMn ..... = 0.817
Shear Force, Vu/ØVn ..... = 0.089

CRITICAL CAPACITY RATIOS
Negative Moments
Ultimate Moment, Mu(-) ..... = -0.857 ton-m
Nominal strength, Mn(-) ..... = 14.070 ton-m
Capacity ratio, Mu/ØMn ..... = 0.068
Positive Moments
Ultimate Moment, Mu(+) ..... = 10.347 ton-m
Nominal strength, Mn(-) ..... = 14.070 ton-m
Capacity Ratio, Mu/ØMn ..... = 0.817
Shear Force
Ultimate Force, Vu ..... = 5.616 ton
Nominal strength, Vn ..... = 69.804 ton
Capacity Ratio, Vu/ØVn ..... = 0.089

CAPACITY RATIOS ALONG MEMBER

Section	1	2	3	4	5	6	7	8	9	10	11
Distance X, m	0.20	0.94	1.67	2.41	3.15	3.89	4.62	5.36	6.10	6.83	7.57
Negative Moments											
Ultimate Mu(-)	-0.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.86
Nominal Mn(-)	14.07	14.07	14.07	14.07	14.07	14.07	14.07	14.07	14.07	14.07	14.07
C. Ratio Mu/ØMn	0.068	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.068
Positive Moments											
Ultimate Mu(+)	0.75	3.58	6.51	8.61	9.89	10.35	9.89	8.61	6.51	3.58	0.75
Nominal Mn(+)	14.07	14.07	14.07	14.07	14.07	14.07	14.07	14.07	14.07	14.07	14.07
C. Ratio Mu/ØMn	0.059	0.283	0.514	0.680	0.781	0.817	0.781	0.680	0.514	0.283	0.059
Shear Force											
Ultimate Vu	5.62	4.49	3.37	2.25	1.12	0.00	1.12	2.25	3.37	4.49	5.62
Nominal Vn	69.80	69.80	69.80	69.80	69.80	69.80	69.80	69.80	69.80	69.80	69.80
C. Ratio Vu/ØVn	0.089	0.072	0.054	0.036	0.018	0.000	0.018	0.036	0.054	0.072	0.089

DETAILED NOMINAL STRENGTHS _____

SECTION DATA
Section ..... = IPE-400
Shape ..... = 7: I
Width, b ..... = 18.00 cm
Depth, d ..... = 40.00 cm
Web, tw ..... = .86 cm
Flange, tf ..... = 1.35 cm
Area, A ..... = 80.68 cm2
ShearArea, A3 ..... = 33.24 cm2
ShearArea, A2 ..... = 40.50 cm2
Inertia, I2 ..... = 21876.00 cm4
Inertia, I3 ..... = 1314.00 cm4
Torsion, J ..... = 37.43 cm4
ElasMod, S2 ..... = 1094.00 cm3
ElasMod, S3 ..... = 146.00 cm3
PlasMod, Z2 ..... = 1238.00 cm3
PlasMod, Z3 ..... = 116.20 cm3
Radious, R2 ..... = 16.47 cm
Radious, R3 ..... = 4.04 cm

SPACING LATERAL SUPPORTS
Top flange, Lb top ..... = 777.00 cm(No interm. supports)
Bottom lange, Lb bottom ..... = 777.00 cm(No interm. supports)

Unbraced length for high ductility: 0.086 r3 E/Fy = 201.3 cm
WARNING: Unbraced length excedes that required for high ductility!!!

MATERIAL DATA
Material ..... = ASTM A50
Elastic Modul, E ..... = 2030000 Kg/cm2
Shear Modulus, G ..... = 805000 Kg/cm2
Yield stress, Fy ..... = 3500 Kg/cm2

NOMINAL BENDING STRENGTH FOR POSITIVE MOMENTS

NOMINAL BENDING STRENGTH

Limit States: 1. Flange local Buckilng
2. Web local buckling
3. Lateral torsional buckling

1. FLANGE LOCAL BUCKLING
Limiting Width-Thickness Ratios - AISC B4 & D1
λs (special) 1 = 0.30 (E/Fy)½ = 427.4/Fy½ = 7.22
λi (intermed) 2 = 0.38 (E/Fy)½ = 541.4/Fy½ = 9.15
λp (compact) 3 = 0.38 (E/Fy)½ = 541.4/Fy½ = 9.15
λr (noncompact) 4 = 1.0 (E/Fy)½ = 1424.8/Fy½ = 24.08
λ = b/2tf = 6.67
Classification
COMPACT Section (1) - Special: highly ductil

2. WEB LOCAL BUCKLING
Limiting Width-Thickness Ratios - AISC B4 & D1
λs (special) 1 = 2.45 (Es/Fy)½ (1 - 0.93 Pu/ØPy)= 3490.7/Fy½ (1 - 0.93 Pu/ØPy) For Pu/ØPy <=0.125
= 0.77 (Es/Fy)½ (2.93- Pu/ØPy) = 1097.1/Fy½ (2.93 - Pu/ØPy) For Pu/ØPy > 0.125
λi (intermed) 2 = 3.76 (Es/Fy)½ (1 - 2.75 Pu/ØPy)= 5357.2/Fy½ (1 - 2.75 Pu/ØPy) For Pu/ØPy <=0.125
= 1.12 (Es/Fy)½ (2.33- Pu/ØPy) = 1595.8/Fy½ (2.33 - Pu/ØPy) For Pu/ØPy > 0.125
λp (compact) 3 = 3.76 (Es/Fy)½ (1 - 2.75 Pu/ØPy)= 5357.2/Fy½ (1 - 2.75 Pu/ØPy) For Pu/ØPy <=0.125
= 1.12 (Es/Fy)½ (2.33- Pu/ØPy) = 1595.8/Fy½ (2.33 - Pu/ØPy) For Pu/ØPy > 0.125
>= 1.49 (Es/Fy)½ = 2122.9/Fy½
λr (noncompact)4= 5.7 (Es/Fy)½ (1 - 0.74 Pu/ØPy) = 8121.2/Fy½ (1 - 0.74Pu/ØPy)
Pu/ØPy = .00
λs (special) 1 = 59.00
λi (intermed) 2 = 90.55
λp (compact) 3 = 90.55
λr (noncompact) 4 = 137.27
λ = h/tw = 40.77
Classification
COMPACT Section (1) - Special: highly ductil

3a. LATERAL TORSIONAL BUCKLING - Major Bending
Limiting laterally unbraced lengths AISC - F
Lp = 1.76 r3 (E/Fy)½ = 2507.6 r3/Fy½ = 171.1 cm
Lr = 1.95 r E/(0.7Fy) {Jc/(Sx ho) + [(Jc/(Sx ho))² + 6.76(0.7 Fy/E)²]½ }½ = 501.0 cm
Lb = 777.00 cm
Lateral torsional buckling behavior
Elastic behavior: LTB in the elastic range (Lb > Lr)
Unbraced length for high ductility: Ls = 0.086 r3 E/Fy = 201.3 cm

WARNING: Unbraced length excedes that required for high ductility!!!

Nominal bending strength - Major direction bending, Mn2
Mr2 = 26.80 ton-m
Mp2 = 43.33 ton-m
Mn2 = 14.07 ton-m

3b. LATERAL TORSIONAL BUCKLING - Minor Bending
Limiting laterally unbraced lengths AISC - F
NA

Nominal bending strength - Minor direction bending, Mn3
Mr3 = 3.58 ton-m
Mp3 = 4.07 ton-m
Mn3 = 4.07 ton-m

NOMINAL BENDING STRENGTH FOR NEGATIVE MOMENTS

NOMINAL BENDING STRENGTH

Limit States: 1. Flange local Buckilng
2. Web local buckling
3. Lateral torsional buckling

1. FLANGE LOCAL BUCKLING
Limiting Width-Thickness Ratios - AISC B4 & D1
λs (special) 1 = 0.30 (E/Fy)½ = 427.4/Fy½ = 7.22
λi (intermed) 2 = 0.38 (E/Fy)½ = 541.4/Fy½ = 9.15
λp (compact) 3 = 0.38 (E/Fy)½ = 541.4/Fy½ = 9.15
λr (noncompact) 4 = 1.0 (E/Fy)½ = 1424.8/Fy½ = 24.08
λ = b/2tf = 6.67
Classification
COMPACT Section (1) - Special: highly ductil

2. WEB LOCAL BUCKLING
Limiting Width-Thickness Ratios - AISC B4 & D1

```
     λs (special)  1 = 2.45 (Es/Fy)½ (1 - 0.93 Pu/ØPy)= 3490.7/Fy½ (1 - 0.93 Pu/ØPy)  For Pu/ØPy <=0.125
                     = 0.77 (Es/Fy)½ (2.93- Pu/ØPy) = 1097.1/Fy½ (2.93 - Pu/ØPy)      For Pu/ØPy >  0.125
     λi (intermed) 2 = 3.76 (Es/Fy)½ (1 - 2.75 Pu/ØPy)= 5357.2/Fy½ (1 - 2.75 Pu/ØPy)  For Pu/ØPy <=0.125
                     = 1.12 (Es/Fy)½ (2.33- Pu/ØPy) = 1595.8/Fy½ (2.33 - Pu/ØPy)      For Pu/ØPy >  0.125
     λp (compact)  3 = 3.76 (Es/Fy)½ (1 - 2.75 Pu/ØPy)= 5357.2/Fy½ (1 - 2.75 Pu/ØPy)  For Pu/ØPy <=0.125
                     = 1.12 (Es/Fy)½ (2.33- Pu/ØPy) = 1595.8/Fy½ (2.33 - Pu/ØPy)      For Pu/ØPy >  0.125
                    >= 1.49 (Es/Fy)½ = 2122.9/Fy½
     λr (noncompact)4= 5.7 (Es/Fy)½ (1 - 0.74 Pu/ØPy) = 8121.2/Fy½ (1 - 0.74Pu/ØPy)
     Pu/ØPy = .00
     λs (special)    1 = 59.00
     λi (intermed)   2 = 90.55
     λp (compact)    3 = 90.55
     λr (noncompact) 4 = 137.27
     λ  = h/tw = 40.77
   Classification
     COMPACT Section (1) - Special: highly ductil

3a. LATERAL TORSIONAL BUCKLING - Major Bending
    Limiting laterally unbraced lengths AISC - F
    Lp = 1.76 r3 (E/Fy)½ = 2507.6 r3/Fy½ = 171.1 cm
    Lr = 1.95 r  E/(0.7Fy) {Jc/(Sx ho) + [(Jc/(Sx ho))² + 6.76(0.7 Fy/E)²]½ }½  = 501.0 cm
    Lb = 777.00 cm
    Lateral torsional buckling behavior
      Elastic behavior: LTB in the elastic range (Lb > Lr)
      Unbraced length for high ductility: Ls = 0.086 r3 E/Fy = 201.3 cm

      WARNING: Unbraced length excedes that required for high ductility!!!

   Nominal bending strength - Major direction bending, Mn2
     Mr2 = 26.80 ton-m
     Mp2 = 43.33 ton-m
     Mn2 = 14.07 ton-m

3b. LATERAL TORSIONAL BUCKLING - Minor Bending
    Limiting laterally unbraced lengths AISC - F
     NA

   Nominal bending strength - Minor direction bending, Mn3
     Mr3 = 3.58 ton-m
     Mp3 = 4.07 ton-m
     Mn3 = 4.07 ton-m


NOMINAL SHEAR STRENGTH FOR MAJOR DIRECTION SHEAR
  Nominal shear strength, V3n = 0.6 Fy A3 Cv ..... = 69.804 ton  (Cv = 1.0)  (h/tw = 46.51)
```

Company: AC INGENIERIA Engineer: ALVARO CABALLERO
Project: CASA CORREGIDOR - SOGAMOSO BLOQUE NUEVO 1:47:16 p. m. 10/02/2022
File: D:\RCB\EDIFICIO CORREDOR - SOGAMOSO\BLOQUES NUEVOS V2.0.rcb

MEMBER: C(4-11) STORY: 6

Length: L = 7.77 m Lu = 7.37 m
a = 20.0 cm c = 20.0 cm

SUMMARY CAPACITY RATIOS
Negative Moments, Mu(-)/ØMn ..... = 0.070
Positive Moments, Mu(+)/ØMn ..... = 0.849
Shear Force, Vu/ØVn ..... = 0.071

CRITICAL CAPACITY RATIOS
Negative Moments
Ultimate Moment, Mu(-) ..... = -0.486 ton-m
Nominal strength, Mn(-) ..... = 7.678 ton-m
Capacity ratio, Mu/ØMn ..... = 0.070
Positive Moments
Ultimate Moment, Mu(+) ..... = 5.868 ton-m
Nominal strength, Mn(-) ..... = 7.678 ton-m
Capacity Ratio, Mu/ØMn ..... = 0.849
Shear Force
Ultimate Force, Vu ..... = 3.185 ton
Nominal strength, Vn ..... = 50.169 ton
Capacity Ratio, Vu/ØVn ..... = 0.071

CAPACITY RATIOS ALONG MEMBER

Section	1	2	3	4	5	6	7	8	9	10	11
Distance X, m	0.20	0.94	1.67	2.41	3.15	3.89	4.62	5.36	6.10	6.83	7.57
Negative Moments											
Ultimate Mu(-)	-0.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.49
Nominal Mn(-)	7.68	7.68	7.68	7.68	7.68	7.68	7.68	7.68	7.68	7.68	7.68
C. Ratio Mu/ØMn	0.070	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.070
Positive Moments											
Ultimate Mu(+)	0.43	2.03	3.69	4.88	5.61	5.87	5.61	4.88	3.69	2.03	0.43
Nominal Mn(+)	7.68	7.68	7.68	7.68	7.68	7.68	7.68	7.68	7.68	7.68	7.68
C. Ratio Mu/ØMn	0.062	0.294	0.534	0.707	0.812	0.849	0.812	0.707	0.534	0.294	0.062
Shear Force											
Ultimate Vu	3.18	2.55	1.91	1.27	0.64	0.00	0.64	1.27	1.91	2.55	3.18
Nominal Vn	50.17	50.17	50.17	50.17	50.17	50.17	50.17	50.17	50.17	50.17	50.17
C. Ratio Vu/ØVn	0.071	0.056	0.042	0.028	0.014	0.000	0.014	0.028	0.042	0.056	0.071

DETAILED NOMINAL STRENGTHS _____

SECTION DATA
Section ..... = IPE-330
Shape ..... = 7: I
Width, b ..... = 16.00 cm
Depth, d ..... = 33.00 cm
Web, tw ..... = .75 cm
Flange, tf ..... = 1.15 cm
Area, A ..... = 59.82 cm2
ShearArea, A3 ..... = 23.89 cm2
ShearArea, A2 ..... = 30.67 cm2
Inertia, I2 ..... = 11145.00 cm4
Inertia, I3 ..... = 786.10 cm4
Torsion, J ..... = 20.54 cm4
ElasMod, S2 ..... = 675.50 cm3
ElasMod, S3 ..... = 98.27 cm3
PlasMod, Z2 ..... = 762.70 cm3
PlasMod, Z3 ..... = 77.92 cm3
Radious, R2 ..... = 13.65 cm
Radious, R3 ..... = 3.63 cm

SPACING LATERAL SUPPORTS
Top flange, Lb top ..... = 777.00 cm(No interm. supports)
Bottom lange, Lb bottom ..... = 777.00 cm(No interm. supports)

Unbraced length for high ductility: 0.086 r3 E/Fy = 180.8 cm
WARNING: Unbraced length excedes that required for high ductility!!!

MATERIAL DATA
Material ..... = ASTM A50
Elastic Modul, E ..... = 2030000 Kg/cm2
Shear Modulus, G ..... = 805000 Kg/cm2
Yield stress, Fy ..... = 3500 Kg/cm2

NOMINAL BENDING STRENGTH FOR POSITIVE MOMENTS

NOMINAL BENDING STRENGTH

Limit States: 1. Flange local Buckilng
2. Web local buckling
3. Lateral torsional buckling

1. FLANGE LOCAL BUCKLING
Limiting Width-Thickness Ratios - AISC B4 & D1
λs (special) 1 = 0.30 (E/Fy)½ = 427.4/Fy½ = 7.22
λi (intermed) 2 = 0.38 (E/Fy)½ = 541.4/Fy½ = 9.15
λp (compact) 3 = 0.38 (E/Fy)½ = 541.4/Fy½ = 9.15
λr (noncompact) 4 = 1.0 (E/Fy)½ = 1424.8/Fy½ = 24.08
λ = b/2tf = 6.96
Classification
COMPACT Section (1) - Special: highly ductil

2. WEB LOCAL BUCKLING
Limiting Width-Thickness Ratios - AISC B4 & D1
λs (special) 1 = 2.45 (Es/Fy)½ (1 - 0.93 Pu/ØPy)= 3490.7/Fy½ (1 - 0.93 Pu/ØPy) For Pu/ØPy <=0.125
= 0.77 (Es/Fy)½ (2.93- Pu/ØPy) = 1097.1/Fy½ (2.93 - Pu/ØPy) For Pu/ØPy > 0.125
λi (intermed) 2 = 3.76 (Es/Fy)½ (1 - 2.75 Pu/ØPy)= 5357.2/Fy½ (1 - 2.75 Pu/ØPy) For Pu/ØPy <=0.125
= 1.12 (Es/Fy)½ (2.33- Pu/ØPy) = 1595.8/Fy½ (2.33 - Pu/ØPy) For Pu/ØPy > 0.125
λp (compact) 3 = 3.76 (Es/Fy)½ (1 - 2.75 Pu/ØPy)= 5357.2/Fy½ (1 - 2.75 Pu/ØPy) For Pu/ØPy <=0.125
= 1.12 (Es/Fy)½ (2.33- Pu/ØPy) = 1595.8/Fy½ (2.33 - Pu/ØPy) For Pu/ØPy > 0.125
>= 1.49 (Es/Fy)½ = 2122.9/Fy½
λr (noncompact)4= 5.7 (Es/Fy)½ (1 - 0.74 Pu/ØPy) = 8121.2/Fy½ (1 - 0.74Pu/ØPy)
Pu/ØPy = .00
λs (special) 1 = 59.00
λi (intermed) 2 = 90.55
λp (compact) 3 = 90.55
λr (noncompact) 4 = 137.27
λ = h/tw = 38.47
Classification
COMPACT Section (1) - Special: highly ductil

3a. LATERAL TORSIONAL BUCKLING - Major Bending
Limiting laterally unbraced lengths AISC - F
Lp = 1.76 r3 (E/Fy)½ = 2507.6 r3/Fy½ = 153.7 cm
Lr = 1.95 r E/(0.7Fy) {Jc/(Sx ho) + [(Jc/(Sx ho))² + 6.76(0.7 Fy/E)²]½ }½ = 452.5 cm
Lb = 777.00 cm
Lateral torsional buckling behavior
Elastic behavior: LTB in the elastic range (Lb > Lr)
Unbraced length for high ductility: Ls = 0.086 r3 E/Fy = 180.8 cm

WARNING: Unbraced length excedes that required for high ductility!!!

Nominal bending strength - Major direction bending, Mn2
Mr2 = 16.55 ton-m
Mp2 = 26.69 ton-m
Mn2 = 7.68 ton-m

3b. LATERAL TORSIONAL BUCKLING - Minor Bending
Limiting laterally unbraced lengths AISC - F
NA

Nominal bending strength - Minor direction bending, Mn3
Mr3 = 2.41 ton-m
Mp3 = 2.73 ton-m
Mn3 = 2.73 ton-m

NOMINAL BENDING STRENGTH FOR NEGATIVE MOMENTS

NOMINAL BENDING STRENGTH

Limit States: 1. Flange local Buckilng
2. Web local buckling
3. Lateral torsional buckling

1. FLANGE LOCAL BUCKLING
Limiting Width-Thickness Ratios - AISC B4 & D1
λs (special) 1 = 0.30 (E/Fy)½ = 427.4/Fy½ = 7.22
λi (intermed) 2 = 0.38 (E/Fy)½ = 541.4/Fy½ = 9.15
λp (compact) 3 = 0.38 (E/Fy)½ = 541.4/Fy½ = 9.15
λr (noncompact) 4 = 1.0 (E/Fy)½ = 1424.8/Fy½ = 24.08
λ = b/2tf = 6.96
Classification
COMPACT Section (1) - Special: highly ductil

2. WEB LOCAL BUCKLING
Limiting Width-Thickness Ratios - AISC B4 & D1

```
     λs (special)  1 = 2.45 (Es/Fy)½ (1 - 0.93 Pu/ØPy)= 3490.7/Fy½ (1 - 0.93 Pu/ØPy)  For Pu/ØPy <=0.125
                     = 0.77 (Es/Fy)½ (2.93- Pu/ØPy) = 1097.1/Fy½ (2.93 - Pu/ØPy)      For Pu/ØPy >  0.125
     λi (intermed) 2 = 3.76 (Es/Fy)½ (1 - 2.75 Pu/ØPy)= 5357.2/Fy½ (1 - 2.75 Pu/ØPy)  For Pu/ØPy <=0.125
                     = 1.12 (Es/Fy)½ (2.33- Pu/ØPy) = 1595.8/Fy½ (2.33 - Pu/ØPy)      For Pu/ØPy >  0.125
     λp (compact)  3 = 3.76 (Es/Fy)½ (1 - 2.75 Pu/ØPy)= 5357.2/Fy½ (1 - 2.75 Pu/ØPy)  For Pu/ØPy <=0.125
                     = 1.12 (Es/Fy)½ (2.33- Pu/ØPy) = 1595.8/Fy½ (2.33 - Pu/ØPy)      For Pu/ØPy >  0.125
                    >= 1.49 (Es/Fy)½ = 2122.9/Fy½
     λr (noncompact)4= 5.7 (Es/Fy)½ (1 - 0.74 Pu/ØPy) = 8121.2/Fy½ (1 - 0.74Pu/ØPy)
     Pu/ØPy = .00
     λs (special)    1 = 59.00
     λi (intermed)   2 = 90.55
     λp (compact)    3 = 90.55
     λr (noncompact) 4 = 137.27
     λ  = h/tw = 38.47
   Classification
     COMPACT Section (1) - Special: highly ductil

3a. LATERAL TORSIONAL BUCKLING - Major Bending
    Limiting laterally unbraced lengths AISC - F
    Lp = 1.76 r3 (E/Fy)½ = 2507.6 r3/Fy½ = 153.7 cm
    Lr = 1.95 r  E/(0.7Fy) {Jc/(Sx ho) + [(Jc/(Sx ho))² + 6.76(0.7 Fy/E)²]½ }½  = 452.5 cm
    Lb = 777.00 cm
    Lateral torsional buckling behavior
      Elastic behavior: LTB in the elastic range (Lb > Lr)
      Unbraced length for high ductility: Ls = 0.086 r3 E/Fy = 180.8 cm

      WARNING: Unbraced length excedes that required for high ductility!!!

   Nominal bending strength - Major direction bending, Mn2
     Mr2 = 16.55 ton-m
     Mp2 = 26.69 ton-m
     Mn2 = 7.68 ton-m

3b. LATERAL TORSIONAL BUCKLING - Minor Bending
    Limiting laterally unbraced lengths AISC - F
     NA

   Nominal bending strength - Minor direction bending, Mn3
     Mr3 = 2.41 ton-m
     Mp3 = 2.73 ton-m
     Mn3 = 2.73 ton-m


NOMINAL SHEAR STRENGTH FOR MAJOR DIRECTION SHEAR
  Nominal shear strength, V3n = 0.6 Fy A3 Cv ..... = 50.169 ton  (Cv = 1.0)  (h/tw = 44.00)
```

Company: AC INGENIERIA Engineer: ALVARO CABALLERO
Project: CASA CORREGIDOR - SOGAMOSO BLOQUE NUEVO 1:47:43 p. m. 10/02/2022
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MEMBER: E'(4-11) STORY: 6

Length: L = 7.77 m Lu = 7.47 m
a = 15.0 cm c = 15.0 cm

SUMMARY CAPACITY RATIOS
Negative Moments, Mu(-)/ØMn ..... = 0.061
Positive Moments, Mu(+)/ØMn ..... = 0.921
Shear Force, Vu/ØVn ..... = 0.076

CRITICAL CAPACITY RATIOS
Negative Moments
Ultimate Moment, Mu(-) ..... = -0.421 ton-m
Nominal strength, Mn(-) ..... = 7.678 ton-m
Capacity ratio, Mu/ØMn ..... = 0.061
Positive Moments
Ultimate Moment, Mu(+) ..... = 6.368 ton-m
Nominal strength, Mn(-) ..... = 7.678 ton-m
Capacity Ratio, Mu/ØMn ..... = 0.921
Shear Force
Ultimate Force, Vu ..... = 3.410 ton
Nominal strength, Vn ..... = 50.169 ton
Capacity Ratio, Vu/ØVn ..... = 0.076

CAPACITY RATIOS ALONG MEMBER

Section	1	2	3	4	5	6	7	8	9	10	11
Distance X, m	0.15	0.90	1.64	2.39	3.14	3.89	4.63	5.38	6.13	6.87	7.62
Negative Moments											
Ultimate Mu(-)	-0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.42
Nominal Mn(-)	7.68	7.68	7.68	7.68	7.68	7.68	7.68	7.68	7.68	7.68	7.68
C. Ratio Mu/ØMn	0.061	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.061
Positive Moments											
Ultimate Mu(+)	0.37	2.22	4.02	5.31	6.09	6.37	6.09	5.31	4.02	2.22	0.37
Nominal Mn(+)	7.68	7.68	7.68	7.68	7.68	7.68	7.68	7.68	7.68	7.68	7.68
C. Ratio Mu/ØMn	0.054	0.322	0.582	0.769	0.882	0.921	0.882	0.769	0.582	0.322	0.054
Shear Force											
Ultimate Vu	3.41	2.73	2.05	1.36	0.68	0.00	0.68	1.36	2.05	2.73	3.41
Nominal Vn	50.17	50.17	50.17	50.17	50.17	50.17	50.17	50.17	50.17	50.17	50.17
C. Ratio Vu/ØVn	0.076	0.060	0.045	0.030	0.015	0.000	0.015	0.030	0.045	0.060	0.076

DETAILED NOMINAL STRENGTHS _____

SECTION DATA
Section ..... = IPE-330
Shape ..... = 7: I
Width, b ..... = 16.00 cm
Depth, d ..... = 33.00 cm
Web, tw ..... = .75 cm
Flange, tf ..... = 1.15 cm
Area, A ..... = 59.82 cm2
ShearArea, A3 ..... = 23.89 cm2
ShearArea, A2 ..... = 30.67 cm2
Inertia, I2 ..... = 11145.00 cm4
Inertia, I3 ..... = 786.10 cm4
Torsion, J ..... = 20.54 cm4
ElasMod, S2 ..... = 675.50 cm3
ElasMod, S3 ..... = 98.27 cm3
PlasMod, Z2 ..... = 762.70 cm3
PlasMod, Z3 ..... = 77.92 cm3
Radious, R2 ..... = 13.65 cm
Radious, R3 ..... = 3.63 cm

SPACING LATERAL SUPPORTS
Top flange, Lb top ..... = 777.00 cm(No interm. supports)
Bottom lange, Lb bottom ..... = 777.00 cm(No interm. supports)

Unbraced length for high ductility: 0.086 r3 E/Fy = 180.8 cm
WARNING: Unbraced length excedes that required for high ductility!!!

MATERIAL DATA
Material ..... = ASTM A50
Elastic Modul, E ..... = 2030000 Kg/cm2
Shear Modulus, G ..... = 805000 Kg/cm2
Yield stress, Fy ..... = 3500 Kg/cm2

NOMINAL BENDING STRENGTH FOR POSITIVE MOMENTS

NOMINAL BENDING STRENGTH

Limit States: 1. Flange local Buckilng
2. Web local buckling
3. Lateral torsional buckling

1. FLANGE LOCAL BUCKLING
Limiting Width-Thickness Ratios - AISC B4 & D1
λs (special) 1 = 0.30 (E/Fy)½ = 427.4/Fy½ = 7.22
λi (intermed) 2 = 0.38 (E/Fy)½ = 541.4/Fy½ = 9.15
λp (compact) 3 = 0.38 (E/Fy)½ = 541.4/Fy½ = 9.15
λr (noncompact) 4 = 1.0 (E/Fy)½ = 1424.8/Fy½ = 24.08
λ = b/2tf = 6.96
Classification
COMPACT Section (1) - Special: highly ductil

2. WEB LOCAL BUCKLING
Limiting Width-Thickness Ratios - AISC B4 & D1
λs (special) 1 = 2.45 (Es/Fy)½ (1 - 0.93 Pu/ØPy)= 3490.7/Fy½ (1 - 0.93 Pu/ØPy) For Pu/ØPy <=0.125
= 0.77 (Es/Fy)½ (2.93- Pu/ØPy) = 1097.1/Fy½ (2.93 - Pu/ØPy) For Pu/ØPy > 0.125
λi (intermed) 2 = 3.76 (Es/Fy)½ (1 - 2.75 Pu/ØPy)= 5357.2/Fy½ (1 - 2.75 Pu/ØPy) For Pu/ØPy <=0.125
= 1.12 (Es/Fy)½ (2.33- Pu/ØPy) = 1595.8/Fy½ (2.33 - Pu/ØPy) For Pu/ØPy > 0.125
λp (compact) 3 = 3.76 (Es/Fy)½ (1 - 2.75 Pu/ØPy)= 5357.2/Fy½ (1 - 2.75 Pu/ØPy) For Pu/ØPy <=0.125
= 1.12 (Es/Fy)½ (2.33- Pu/ØPy) = 1595.8/Fy½ (2.33 - Pu/ØPy) For Pu/ØPy > 0.125
>= 1.49 (Es/Fy)½ = 2122.9/Fy½
λr (noncompact)4= 5.7 (Es/Fy)½ (1 - 0.74 Pu/ØPy) = 8121.2/Fy½ (1 - 0.74Pu/ØPy)
Pu/ØPy = .00
λs (special) 1 = 59.00
λi (intermed) 2 = 90.55
λp (compact) 3 = 90.55
λr (noncompact) 4 = 137.27
λ = h/tw = 38.47
Classification
COMPACT Section (1) - Special: highly ductil

3a. LATERAL TORSIONAL BUCKLING - Major Bending
Limiting laterally unbraced lengths AISC - F
Lp = 1.76 r3 (E/Fy)½ = 2507.6 r3/Fy½ = 153.7 cm
Lr = 1.95 r E/(0.7Fy) {Jc/(Sx ho) + [(Jc/(Sx ho))² + 6.76(0.7 Fy/E)²]½ }½ = 452.5 cm
Lb = 777.00 cm
Lateral torsional buckling behavior
Elastic behavior: LTB in the elastic range (Lb > Lr)
Unbraced length for high ductility: Ls = 0.086 r3 E/Fy = 180.8 cm

WARNING: Unbraced length excedes that required for high ductility!!!

Nominal bending strength - Major direction bending, Mn2
Mr2 = 16.55 ton-m
Mp2 = 26.69 ton-m
Mn2 = 7.68 ton-m

3b. LATERAL TORSIONAL BUCKLING - Minor Bending
Limiting laterally unbraced lengths AISC - F
NA

Nominal bending strength - Minor direction bending, Mn3
Mr3 = 2.41 ton-m
Mp3 = 2.73 ton-m
Mn3 = 2.73 ton-m

NOMINAL BENDING STRENGTH FOR NEGATIVE MOMENTS

NOMINAL BENDING STRENGTH

Limit States: 1. Flange local Buckilng
2. Web local buckling
3. Lateral torsional buckling

1. FLANGE LOCAL BUCKLING
Limiting Width-Thickness Ratios - AISC B4 & D1
λs (special) 1 = 0.30 (E/Fy)½ = 427.4/Fy½ = 7.22
λi (intermed) 2 = 0.38 (E/Fy)½ = 541.4/Fy½ = 9.15
λp (compact) 3 = 0.38 (E/Fy)½ = 541.4/Fy½ = 9.15
λr (noncompact) 4 = 1.0 (E/Fy)½ = 1424.8/Fy½ = 24.08
λ = b/2tf = 6.96
Classification
COMPACT Section (1) - Special: highly ductil

2. WEB LOCAL BUCKLING
Limiting Width-Thickness Ratios - AISC B4 & D1

```
     λs (special)  1 = 2.45 (Es/Fy)½ (1 - 0.93 Pu/ØPy)= 3490.7/Fy½ (1 - 0.93 Pu/ØPy)  For Pu/ØPy <=0.125
                     = 0.77 (Es/Fy)½ (2.93- Pu/ØPy) = 1097.1/Fy½ (2.93 - Pu/ØPy)      For Pu/ØPy >  0.125
     λi (intermed) 2 = 3.76 (Es/Fy)½ (1 - 2.75 Pu/ØPy)= 5357.2/Fy½ (1 - 2.75 Pu/ØPy)  For Pu/ØPy <=0.125
                     = 1.12 (Es/Fy)½ (2.33- Pu/ØPy) = 1595.8/Fy½ (2.33 - Pu/ØPy)      For Pu/ØPy >  0.125
     λp (compact)  3 = 3.76 (Es/Fy)½ (1 - 2.75 Pu/ØPy)= 5357.2/Fy½ (1 - 2.75 Pu/ØPy)  For Pu/ØPy <=0.125
                     = 1.12 (Es/Fy)½ (2.33- Pu/ØPy) = 1595.8/Fy½ (2.33 - Pu/ØPy)      For Pu/ØPy >  0.125
                    >= 1.49 (Es/Fy)½ = 2122.9/Fy½
     λr (noncompact)4= 5.7 (Es/Fy)½ (1 - 0.74 Pu/ØPy) = 8121.2/Fy½ (1 - 0.74Pu/ØPy)
     Pu/ØPy = .00
     λs (special)    1 = 59.00
     λi (intermed)   2 = 90.55
     λp (compact)    3 = 90.55
     λr (noncompact) 4 = 137.27
     λ  = h/tw = 38.47
   Classification
     COMPACT Section (1) - Special: highly ductil

3a. LATERAL TORSIONAL BUCKLING - Major Bending
    Limiting laterally unbraced lengths AISC - F
    Lp = 1.76 r3 (E/Fy)½ = 2507.6 r3/Fy½ = 153.7 cm
    Lr = 1.95 r  E/(0.7Fy) {Jc/(Sx ho) + [(Jc/(Sx ho))² + 6.76(0.7 Fy/E)²]½ }½  = 452.5 cm
    Lb = 777.00 cm
    Lateral torsional buckling behavior
      Elastic behavior: LTB in the elastic range (Lb > Lr)
      Unbraced length for high ductility: Ls = 0.086 r3 E/Fy = 180.8 cm

      WARNING: Unbraced length excedes that required for high ductility!!!

   Nominal bending strength - Major direction bending, Mn2
     Mr2 = 16.55 ton-m
     Mp2 = 26.69 ton-m
     Mn2 = 7.68 ton-m

3b. LATERAL TORSIONAL BUCKLING - Minor Bending
    Limiting laterally unbraced lengths AISC - F
     NA

   Nominal bending strength - Minor direction bending, Mn3
     Mr3 = 2.41 ton-m
     Mp3 = 2.73 ton-m
     Mn3 = 2.73 ton-m


NOMINAL SHEAR STRENGTH FOR MAJOR DIRECTION SHEAR
  Nominal shear strength, V3n = 0.6 Fy A3 Cv ..... = 50.169 ton  (Cv = 1.0)  (h/tw = 44.00)
```

Company: AC INGENIERIA Engineer: ALVARO CABALLERO
Project: CASA CORREGIDOR - SOGAMOSO BLOQUE NUEVO 1:48:07 p. m. 10/02/2022
File: D:\RCB\EDIFICIO CORREDOR - SOGAMOSO\BLOQUES NUEVOS V2.0.rcb

MEMBER: H(4-11) STORY: 6

Length: L = 7.77 m Lu = 7.47 m
a = 15.0 cm c = 15.0 cm

SUMMARY CAPACITY RATIOS
Negative Moments, Mu(-)/ØMn ..... = 0.036
Positive Moments, Mu(+)/ØMn ..... = 0.551
Shear Force, Vu/ØVn ..... = 0.045

CRITICAL CAPACITY RATIOS
Negative Moments
Ultimate Moment, Mu(-) ..... = -0.252 ton-m
Nominal strength, Mn(-) ..... = 7.678 ton-m
Capacity ratio, Mu/ØMn ..... = 0.036
Positive Moments
Ultimate Moment, Mu(+) ..... = 3.810 ton-m
Nominal strength, Mn(-) ..... = 7.678 ton-m
Capacity Ratio, Mu/ØMn ..... = 0.551
Shear Force
Ultimate Force, Vu ..... = 2.040 ton
Nominal strength, Vn ..... = 50.169 ton
Capacity Ratio, Vu/ØVn ..... = 0.045

CAPACITY RATIOS ALONG MEMBER

Section	1	2	3	4	5	6	7	8	9	10	11
Distance X, m	0.15	0.90	1.64	2.39	3.14	3.89	4.63	5.38	6.13	6.87	7.62
Negative Moments											
Ultimate Mu(-)	-0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.25
Nominal Mn(-)	7.68	7.68	7.68	7.68	7.68	7.68	7.68	7.68	7.68	7.68	7.68
C. Ratio Mu/ØMn	0.036	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.036
Positive Moments											
Ultimate Mu(+)	0.22	1.33	2.41	3.18	3.65	3.81	3.65	3.18	2.41	1.33	0.22
Nominal Mn(+)	7.68	7.68	7.68	7.68	7.68	7.68	7.68	7.68	7.68	7.68	7.68
C. Ratio Mu/ØMn	0.032	0.193	0.348	0.460	0.528	0.551	0.528	0.460	0.348	0.193	0.032
Shear Force											
Ultimate Vu	2.04	1.63	1.22	0.82	0.41	0.00	0.41	0.82	1.22	1.63	2.04
Nominal Vn	50.17	50.17	50.17	50.17	50.17	50.17	50.17	50.17	50.17	50.17	50.17
C. Ratio Vu/ØVn	0.045	0.036	0.027	0.018	0.009	0.000	0.009	0.018	0.027	0.036	0.045

DETAILED NOMINAL STRENGTHS _____

SECTION DATA
Section ..... = IPE-330
Shape ..... = 7: I
Width, b ..... = 16.00 cm
Depth, d ..... = 33.00 cm
Web, tw ..... = .75 cm
Flange, tf ..... = 1.15 cm
Area, A ..... = 59.82 cm2
ShearArea, A3 ..... = 23.89 cm2
ShearArea, A2 ..... = 30.67 cm2
Inertia, I2 ..... = 11145.00 cm4
Inertia, I3 ..... = 786.10 cm4
Torsion, J ..... = 20.54 cm4
ElasMod, S2 ..... = 675.50 cm3
ElasMod, S3 ..... = 98.27 cm3
PlasMod, Z2 ..... = 762.70 cm3
PlasMod, Z3 ..... = 77.92 cm3
Radious, R2 ..... = 13.65 cm
Radious, R3 ..... = 3.63 cm

SPACING LATERAL SUPPORTS
Top flange, Lb top ..... = 777.00 cm(No interm. supports)
Bottom lange, Lb bottom ..... = 777.00 cm(No interm. supports)

Unbraced length for high ductility: 0.086 r3 E/Fy = 180.8 cm
WARNING: Unbraced length excedes that required for high ductility!!!

MATERIAL DATA
Material ..... = ASTM A50
Elastic Modul, E ..... = 2030000 Kg/cm2
Shear Modulus, G ..... = 805000 Kg/cm2
Yield stress, Fy ..... = 3500 Kg/cm2

NOMINAL BENDING STRENGTH FOR POSITIVE MOMENTS

NOMINAL BENDING STRENGTH

Limit States: 1. Flange local Buckilng
2. Web local buckling
3. Lateral torsional buckling

1. FLANGE LOCAL BUCKLING
Limiting Width-Thickness Ratios - AISC B4 & D1
λs (special) 1 = 0.30 (E/Fy)½ = 427.4/Fy½ = 7.22
λi (intermed) 2 = 0.38 (E/Fy)½ = 541.4/Fy½ = 9.15
λp (compact) 3 = 0.38 (E/Fy)½ = 541.4/Fy½ = 9.15
λr (noncompact) 4 = 1.0 (E/Fy)½ = 1424.8/Fy½ = 24.08
λ = b/2tf = 6.96
Classification
COMPACT Section (1) - Special: highly ductil

2. WEB LOCAL BUCKLING
Limiting Width-Thickness Ratios - AISC B4 & D1
λs (special) 1 = 2.45 (Es/Fy)½ (1 - 0.93 Pu/ØPy)= 3490.7/Fy½ (1 - 0.93 Pu/ØPy) For Pu/ØPy <=0.125
= 0.77 (Es/Fy)½ (2.93- Pu/ØPy) = 1097.1/Fy½ (2.93 - Pu/ØPy) For Pu/ØPy > 0.125
λi (intermed) 2 = 3.76 (Es/Fy)½ (1 - 2.75 Pu/ØPy)= 5357.2/Fy½ (1 - 2.75 Pu/ØPy) For Pu/ØPy <=0.125
= 1.12 (Es/Fy)½ (2.33- Pu/ØPy) = 1595.8/Fy½ (2.33 - Pu/ØPy) For Pu/ØPy > 0.125
λp (compact) 3 = 3.76 (Es/Fy)½ (1 - 2.75 Pu/ØPy)= 5357.2/Fy½ (1 - 2.75 Pu/ØPy) For Pu/ØPy <=0.125
= 1.12 (Es/Fy)½ (2.33- Pu/ØPy) = 1595.8/Fy½ (2.33 - Pu/ØPy) For Pu/ØPy > 0.125
>= 1.49 (Es/Fy)½ = 2122.9/Fy½
λr (noncompact)4= 5.7 (Es/Fy)½ (1 - 0.74 Pu/ØPy) = 8121.2/Fy½ (1 - 0.74Pu/ØPy)
Pu/ØPy = .00
λs (special) 1 = 59.00
λi (intermed) 2 = 90.55
λp (compact) 3 = 90.55
λr (noncompact) 4 = 137.27
λ = h/tw = 38.47
Classification
COMPACT Section (1) - Special: highly ductil

3a. LATERAL TORSIONAL BUCKLING - Major Bending
Limiting laterally unbraced lengths AISC - F
Lp = 1.76 r3 (E/Fy)½ = 2507.6 r3/Fy½ = 153.7 cm
Lr = 1.95 r E/(0.7Fy) {Jc/(Sx ho) + [(Jc/(Sx ho))² + 6.76(0.7 Fy/E)²]½ }½ = 452.5 cm
Lb = 777.00 cm
Lateral torsional buckling behavior
Elastic behavior: LTB in the elastic range (Lb > Lr)
Unbraced length for high ductility: Ls = 0.086 r3 E/Fy = 180.8 cm

WARNING: Unbraced length excedes that required for high ductility!!!

Nominal bending strength - Major direction bending, Mn2
Mr2 = 16.55 ton-m
Mp2 = 26.69 ton-m
Mn2 = 7.68 ton-m

3b. LATERAL TORSIONAL BUCKLING - Minor Bending
Limiting laterally unbraced lengths AISC - F
NA

Nominal bending strength - Minor direction bending, Mn3
Mr3 = 2.41 ton-m
Mp3 = 2.73 ton-m
Mn3 = 2.73 ton-m

NOMINAL BENDING STRENGTH FOR NEGATIVE MOMENTS

NOMINAL BENDING STRENGTH

Limit States: 1. Flange local Buckilng
2. Web local buckling
3. Lateral torsional buckling

1. FLANGE LOCAL BUCKLING
Limiting Width-Thickness Ratios - AISC B4 & D1
λs (special) 1 = 0.30 (E/Fy)½ = 427.4/Fy½ = 7.22
λi (intermed) 2 = 0.38 (E/Fy)½ = 541.4/Fy½ = 9.15
λp (compact) 3 = 0.38 (E/Fy)½ = 541.4/Fy½ = 9.15
λr (noncompact) 4 = 1.0 (E/Fy)½ = 1424.8/Fy½ = 24.08
λ = b/2tf = 6.96
Classification
COMPACT Section (1) - Special: highly ductil

2. WEB LOCAL BUCKLING
Limiting Width-Thickness Ratios - AISC B4 & D1

```
     λs (special)  1 = 2.45 (Es/Fy)½ (1 - 0.93 Pu/ØPy)= 3490.7/Fy½ (1 - 0.93 Pu/ØPy)  For Pu/ØPy <=0.125
                     = 0.77 (Es/Fy)½ (2.93- Pu/ØPy) = 1097.1/Fy½ (2.93 - Pu/ØPy)      For Pu/ØPy >  0.125
     λi (intermed) 2 = 3.76 (Es/Fy)½ (1 - 2.75 Pu/ØPy)= 5357.2/Fy½ (1 - 2.75 Pu/ØPy)  For Pu/ØPy <=0.125
                     = 1.12 (Es/Fy)½ (2.33- Pu/ØPy) = 1595.8/Fy½ (2.33 - Pu/ØPy)      For Pu/ØPy >  0.125
     λp (compact)  3 = 3.76 (Es/Fy)½ (1 - 2.75 Pu/ØPy)= 5357.2/Fy½ (1 - 2.75 Pu/ØPy)  For Pu/ØPy <=0.125
                     = 1.12 (Es/Fy)½ (2.33- Pu/ØPy) = 1595.8/Fy½ (2.33 - Pu/ØPy)      For Pu/ØPy >  0.125
                    >= 1.49 (Es/Fy)½ = 2122.9/Fy½
     λr (noncompact)4= 5.7 (Es/Fy)½ (1 - 0.74 Pu/ØPy) = 8121.2/Fy½ (1 - 0.74Pu/ØPy)
     Pu/ØPy = .00
     λs (special)    1 = 59.00
     λi (intermed)   2 = 90.55
     λp (compact)    3 = 90.55
     λr (noncompact) 4 = 137.27
     λ  = h/tw = 38.47
   Classification
     COMPACT Section (1) - Special: highly ductil

3a. LATERAL TORSIONAL BUCKLING - Major Bending
    Limiting laterally unbraced lengths AISC - F
    Lp = 1.76 r3 (E/Fy)½ = 2507.6 r3/Fy½ = 153.7 cm
    Lr = 1.95 r  E/(0.7Fy) {Jc/(Sx ho) + [(Jc/(Sx ho))² + 6.76(0.7 Fy/E)²]½ }½  = 452.5 cm
    Lb = 777.00 cm
    Lateral torsional buckling behavior
      Elastic behavior: LTB in the elastic range (Lb > Lr)
      Unbraced length for high ductility: Ls = 0.086 r3 E/Fy = 180.8 cm

      WARNING: Unbraced length excedes that required for high ductility!!!

   Nominal bending strength - Major direction bending, Mn2
     Mr2 = 16.55 ton-m
     Mp2 = 26.69 ton-m
     Mn2 = 7.68 ton-m

3b. LATERAL TORSIONAL BUCKLING - Minor Bending
    Limiting laterally unbraced lengths AISC - F
     NA

   Nominal bending strength - Minor direction bending, Mn3
     Mr3 = 2.41 ton-m
     Mp3 = 2.73 ton-m
     Mn3 = 2.73 ton-m


NOMINAL SHEAR STRENGTH FOR MAJOR DIRECTION SHEAR
  Nominal shear strength, V3n = 0.6 Fy A3 Cv ..... = 50.169 ton  (Cv = 1.0)  (h/tw = 44.00)
```

Company: AC INGENIERIA Engineer: ALVARO CABALLERO
Project: CASA CORREGIDOR - SOGAMOSO BLOQUE NUEVO 1:48:27 p. m. 10/02/2022
File: D:\RCB\EDIFICIO CORREDOR - SOGAMOSO\BLOQUES NUEVOS V2.0.rcb

MEMBER: A(4-11) STORY: 6

Length: L = 7.77 m Lu = 7.47 m
a = 15.0 cm c = 15.0 cm

SUMMARY CAPACITY RATIOS
Negative Moments, Mu(-)/ØMn ..... = 0.053
Positive Moments, Mu(+)/ØMn ..... = 0.809
Shear Force, Vu/ØVn ..... = 0.066

CRITICAL CAPACITY RATIOS
Negative Moments
Ultimate Moment, Mu(-) ..... = -0.370 ton-m
Nominal strength, Mn(-) ..... = 7.678 ton-m
Capacity ratio, Mu/ØMn ..... = 0.053
Positive Moments
Ultimate Moment, Mu(+) ..... = 5.589 ton-m
Nominal strength, Mn(-) ..... = 7.678 ton-m
Capacity Ratio, Mu/ØMn ..... = 0.809
Shear Force
Ultimate Force, Vu ..... = 2.993 ton
Nominal strength, Vn ..... = 50.169 ton
Capacity Ratio, Vu/ØVn ..... = 0.066

CAPACITY RATIOS ALONG MEMBER

Section	1	2	3	4	5	6	7	8	9	10	11
Distance X, m	0.15	0.90	1.64	2.39	3.14	3.89	4.63	5.38	6.13	6.87	7.62
Negative Moments											
Ultimate Mu(-)	-0.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.37
Nominal Mn(-)	7.68	7.68	7.68	7.68	7.68	7.68	7.68	7.68	7.68	7.68	7.68
C. Ratio Mu/ØMn	0.053	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.053
Positive Moments											
Ultimate Mu(+)	0.33	1.95	3.53	4.66	5.35	5.59	5.35	4.66	3.53	1.95	0.33
Nominal Mn(+)	7.68	7.68	7.68	7.68	7.68	7.68	7.68	7.68	7.68	7.68	7.68
C. Ratio Mu/ØMn	0.047	0.282	0.511	0.675	0.774	0.809	0.774	0.675	0.511	0.282	0.047
Shear Force											
Ultimate Vu	2.99	2.39	1.80	1.20	0.60	0.00	0.60	1.20	1.80	2.39	2.99
Nominal Vn	50.17	50.17	50.17	50.17	50.17	50.17	50.17	50.17	50.17	50.17	50.17
C. Ratio Vu/ØVn	0.066	0.053	0.040	0.027	0.013	0.000	0.013	0.027	0.040	0.053	0.066

DETAILED NOMINAL STRENGTHS _____

SECTION DATA
Section ..... = IPE-330
Shape ..... = 7: I
Width, b ..... = 16.00 cm
Depth, d ..... = 33.00 cm
Web, tw ..... = .75 cm
Flange, tf ..... = 1.15 cm
Area, A ..... = 59.82 cm2
ShearArea, A3 ..... = 23.89 cm2
ShearArea, A2 ..... = 30.67 cm2
Inertia, I2 ..... = 11145.00 cm4
Inertia, I3 ..... = 786.10 cm4
Torsion, J ..... = 20.54 cm4
ElasMod, S2 ..... = 675.50 cm3
ElasMod, S3 ..... = 98.27 cm3
PlasMod, Z2 ..... = 762.70 cm3
PlasMod, Z3 ..... = 77.92 cm3
Radious, R2 ..... = 13.65 cm
Radious, R3 ..... = 3.63 cm

SPACING LATERAL SUPPORTS
Top flange, Lb top ..... = 777.00 cm(No interm. supports)
Bottom lange, Lb bottom ..... = 777.00 cm(No interm. supports)

Unbraced length for high ductility: 0.086 r3 E/Fy = 180.8 cm
WARNING: Unbraced length excedes that required for high ductility!!!

MATERIAL DATA
Material ..... = ASTM A50
Elastic Modul, E ..... = 2030000 Kg/cm2
Shear Modulus, G ..... = 805000 Kg/cm2
Yield stress, Fy ..... = 3500 Kg/cm2

NOMINAL BENDING STRENGTH FOR POSITIVE MOMENTS

NOMINAL BENDING STRENGTH

Limit States: 1. Flange local Buckilng
2. Web local buckling
3. Lateral torsional buckling

1. FLANGE LOCAL BUCKLING
Limiting Width-Thickness Ratios - AISC B4 & D1
λs (special) 1 = 0.30 (E/Fy)½ = 427.4/Fy½ = 7.22
λi (intermed) 2 = 0.38 (E/Fy)½ = 541.4/Fy½ = 9.15
λp (compact) 3 = 0.38 (E/Fy)½ = 541.4/Fy½ = 9.15
λr (noncompact) 4 = 1.0 (E/Fy)½ = 1424.8/Fy½ = 24.08
λ = b/2tf = 6.96
Classification
COMPACT Section (1) - Special: highly ductil

2. WEB LOCAL BUCKLING
Limiting Width-Thickness Ratios - AISC B4 & D1
λs (special) 1 = 2.45 (Es/Fy)½ (1 - 0.93 Pu/ØPy)= 3490.7/Fy½ (1 - 0.93 Pu/ØPy) For Pu/ØPy <=0.125
= 0.77 (Es/Fy)½ (2.93- Pu/ØPy) = 1097.1/Fy½ (2.93 - Pu/ØPy) For Pu/ØPy > 0.125
λi (intermed) 2 = 3.76 (Es/Fy)½ (1 - 2.75 Pu/ØPy)= 5357.2/Fy½ (1 - 2.75 Pu/ØPy) For Pu/ØPy <=0.125
= 1.12 (Es/Fy)½ (2.33- Pu/ØPy) = 1595.8/Fy½ (2.33 - Pu/ØPy) For Pu/ØPy > 0.125
λp (compact) 3 = 3.76 (Es/Fy)½ (1 - 2.75 Pu/ØPy)= 5357.2/Fy½ (1 - 2.75 Pu/ØPy) For Pu/ØPy <=0.125
= 1.12 (Es/Fy)½ (2.33- Pu/ØPy) = 1595.8/Fy½ (2.33 - Pu/ØPy) For Pu/ØPy > 0.125
>= 1.49 (Es/Fy)½ = 2122.9/Fy½
λr (noncompact)4= 5.7 (Es/Fy)½ (1 - 0.74 Pu/ØPy) = 8121.2/Fy½ (1 - 0.74Pu/ØPy)
Pu/ØPy = .00
λs (special) 1 = 59.00
λi (intermed) 2 = 90.55
λp (compact) 3 = 90.55
λr (noncompact) 4 = 137.27
λ = h/tw = 38.47
Classification
COMPACT Section (1) - Special: highly ductil

3a. LATERAL TORSIONAL BUCKLING - Major Bending
Limiting laterally unbraced lengths AISC - F
Lp = 1.76 r3 (E/Fy)½ = 2507.6 r3/Fy½ = 153.7 cm
Lr = 1.95 r E/(0.7Fy) {Jc/(Sx ho) + [(Jc/(Sx ho))² + 6.76(0.7 Fy/E)²]½ }½ = 452.5 cm
Lb = 777.00 cm
Lateral torsional buckling behavior
Elastic behavior: LTB in the elastic range (Lb > Lr)
Unbraced length for high ductility: Ls = 0.086 r3 E/Fy = 180.8 cm

WARNING: Unbraced length excedes that required for high ductility!!!

Nominal bending strength - Major direction bending, Mn2
Mr2 = 16.55 ton-m
Mp2 = 26.69 ton-m
Mn2 = 7.68 ton-m

3b. LATERAL TORSIONAL BUCKLING - Minor Bending
Limiting laterally unbraced lengths AISC - F
NA

Nominal bending strength - Minor direction bending, Mn3
Mr3 = 2.41 ton-m
Mp3 = 2.73 ton-m
Mn3 = 2.73 ton-m

NOMINAL BENDING STRENGTH FOR NEGATIVE MOMENTS

NOMINAL BENDING STRENGTH

Limit States: 1. Flange local Buckilng
2. Web local buckling
3. Lateral torsional buckling

1. FLANGE LOCAL BUCKLING
Limiting Width-Thickness Ratios - AISC B4 & D1
λs (special) 1 = 0.30 (E/Fy)½ = 427.4/Fy½ = 7.22
λi (intermed) 2 = 0.38 (E/Fy)½ = 541.4/Fy½ = 9.15
λp (compact) 3 = 0.38 (E/Fy)½ = 541.4/Fy½ = 9.15
λr (noncompact) 4 = 1.0 (E/Fy)½ = 1424.8/Fy½ = 24.08
λ = b/2tf = 6.96
Classification
COMPACT Section (1) - Special: highly ductil

2. WEB LOCAL BUCKLING
Limiting Width-Thickness Ratios - AISC B4 & D1

```
     λs (special)  1 = 2.45 (Es/Fy)½ (1 - 0.93 Pu/ØPy)= 3490.7/Fy½ (1 - 0.93 Pu/ØPy)  For Pu/ØPy <=0.125
                     = 0.77 (Es/Fy)½ (2.93- Pu/ØPy) = 1097.1/Fy½ (2.93 - Pu/ØPy)      For Pu/ØPy >  0.125
     λi (intermed) 2 = 3.76 (Es/Fy)½ (1 - 2.75 Pu/ØPy)= 5357.2/Fy½ (1 - 2.75 Pu/ØPy)  For Pu/ØPy <=0.125
                     = 1.12 (Es/Fy)½ (2.33- Pu/ØPy) = 1595.8/Fy½ (2.33 - Pu/ØPy)      For Pu/ØPy >  0.125
     λp (compact)  3 = 3.76 (Es/Fy)½ (1 - 2.75 Pu/ØPy)= 5357.2/Fy½ (1 - 2.75 Pu/ØPy)  For Pu/ØPy <=0.125
                     = 1.12 (Es/Fy)½ (2.33- Pu/ØPy) = 1595.8/Fy½ (2.33 - Pu/ØPy)      For Pu/ØPy >  0.125
                    >= 1.49 (Es/Fy)½ = 2122.9/Fy½
     λr (noncompact)4= 5.7 (Es/Fy)½ (1 - 0.74 Pu/ØPy) = 8121.2/Fy½ (1 - 0.74Pu/ØPy)
     Pu/ØPy = .00
     λs (special)    1 = 59.00
     λi (intermed)   2 = 90.55
     λp (compact)    3 = 90.55
     λr (noncompact) 4 = 137.27
     λ  = h/tw = 38.47
   Classification
     COMPACT Section (1) - Special: highly ductil

3a. LATERAL TORSIONAL BUCKLING - Major Bending
    Limiting laterally unbraced lengths AISC - F
    Lp = 1.76 r3 (E/Fy)½ = 2507.6 r3/Fy½ = 153.7 cm
    Lr = 1.95 r  E/(0.7Fy) {Jc/(Sx ho) + [(Jc/(Sx ho))² + 6.76(0.7 Fy/E)²]½ }½  = 452.5 cm
    Lb = 777.00 cm
    Lateral torsional buckling behavior
      Elastic behavior: LTB in the elastic range (Lb > Lr)
      Unbraced length for high ductility: Ls = 0.086 r3 E/Fy = 180.8 cm

      WARNING: Unbraced length excedes that required for high ductility!!!

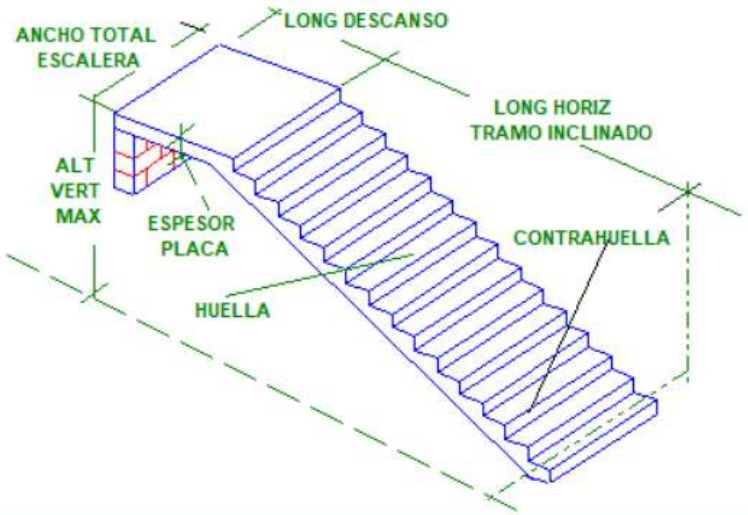
   Nominal bending strength - Major direction bending, Mn2
     Mr2 = 16.55 ton-m
     Mp2 = 26.69 ton-m
     Mn2 = 7.68 ton-m

3b. LATERAL TORSIONAL BUCKLING - Minor Bending
    Limiting laterally unbraced lengths AISC - F
     NA

   Nominal bending strength - Minor direction bending, Mn3
     Mr3 = 2.41 ton-m
     Mp3 = 2.73 ton-m
     Mn3 = 2.73 ton-m


NOMINAL SHEAR STRENGTH FOR MAJOR DIRECTION SHEAR
  Nominal shear strength, V3n = 0.6 Fy A3 Cv ..... = 50.169 ton  (Cv = 1.0)  (h/tw = 44.00)
```

11 DISEÑO DE ESCALERAS



GEOMETRIA	
Longitud del Descanso, a ejes (m)	1.35
Long Horizontal Tramo Inclinado, a ejes (m)	3.33
Altura Vertical Máxima de la Escalera (m)	2.325
Espesor Total de la Placa (m)	0.16
Ancho Total de la Escalera (m)	1.2
Longitud Mínima de la Huella (cm)	30
Altura Máxima de la Contrahuella (cm)	17.5

MATERIALES	
F´c Concreto (kg/cm2)	240
Fy Acero Longitudinal (kg/cm2)	4200
Módulo Elástico Ec (kg/cm2)	1.86E5
Recubrimiento al Centroide d` (cm)	3.8

SOBRECARGA (Cargas de Servicio . SIN Mayorar)	
Carga Muerta Total por Acabados (t/m2)	0.1
Carga Viva (t/m2)	0.3

RESULTADOS DE ANALISIS Y DISEÑO

Long Horiz Escalera a Ejes (m): 4.68 — Sección (cm): 120 × 16

X (m)	0	0.468	0.936	1.404	1.872	2.34	2.808	3.276	3.744	4.212	4.68
Momento Mu (t-m)	0	1.73	3.15	4.26	4.98	5.25	5.09	4.48	3.43	1.93	0
As Tensión (cm2)	4.88	4.88	7.2	9.94	11.77	12.49	12.05	10.48	7.87	4.88	4.88
Armadura a Tensión	4 # 4	4 # 4	6 # 4	8 # 4	10 # 4	10 # 4	10 # 4	9 # 4	7 # 4	4 # 4	4 # 4
As Comprs (cm2)	0	0	0	0	0	0	0	0	0	0	0
Armadura a Compres.											
Cortante Vu (t)	4.04	3.37	2.7	2	1.06	0.12	-0.83	-1.77	-2.72	-3.66	-4.61
Chequeo Cortante	CUMPLE	CUMPLE	CUMPLE	CUMPLE	CUMPLE	CUMPLE	CUMPLE	CUMPLE	CUMPLE	CUMPLE	CUMPLE
Flecha (cm)	0	-0.48	-0.92	-1.26	-1.48	-1.56	-1.49	-1.28	-0.93	-0.49	0

RESULTADOS COMPLEMENTARIOS

Carga por Peldaños (t / m)	0.252	Carga Total Wu Descanso (t / m)	1.425
Carga Acab Descanso (t / m)	0.12	Carga Total Wu Tram Inclin (t/m)	2.018
Carga Placa Descanso (t / m)	0.461	Momento Mu Máx (t - m)	5.25
Carga Acab Tramo Incl (t / m)	0.19	Cortante Vu Máximo (t)	4.61
Carga Placa Tramo Incl (t / m)	0.562	Flecha Máxima (cm)	1.56

INTERVALO RESULTADOS: L/10

CALCULAR

ESQUEMA DE LA ARMADURA

IMPRIMIR | SALIR

MODULO ESCALERAS 1.0
DISEÑO DE ESCALERAS EN CONCRETO

FECHA : 2022/02/10

ESCALERAS CON UN DESCANSO

GEOMETRIA

Longitud del Descanso, a ejes (m)	1.35
Long Horizontal Tramo Inclinado, a ejes (m)	3.33
Altura Vertical Máxima de la Escalera (m)	2.325
Espesor Total de la Placa (m)	0.16
Ancho Total de la Escalera (m)	1.2
Longitud Mínima de la Huella (cm)	30
Altura Máxima de la Contrahuella (cm)	17.5

MATERIALES

F´c Concreto (kg/cm2)	240
Fy Acero Longitudinal (kg/cm2)	4200
Módulo Elástico Ec (kg/cm2)	1.86E5
Recubrimiento al Centroide d` (cm)	3.8

SOBRECARGA (Cargas de Servicio . SIN Mayorar)

Carga Muerta Total por Acabados (t/m2)	0.1
Carga Viva (t/m2)	0.3

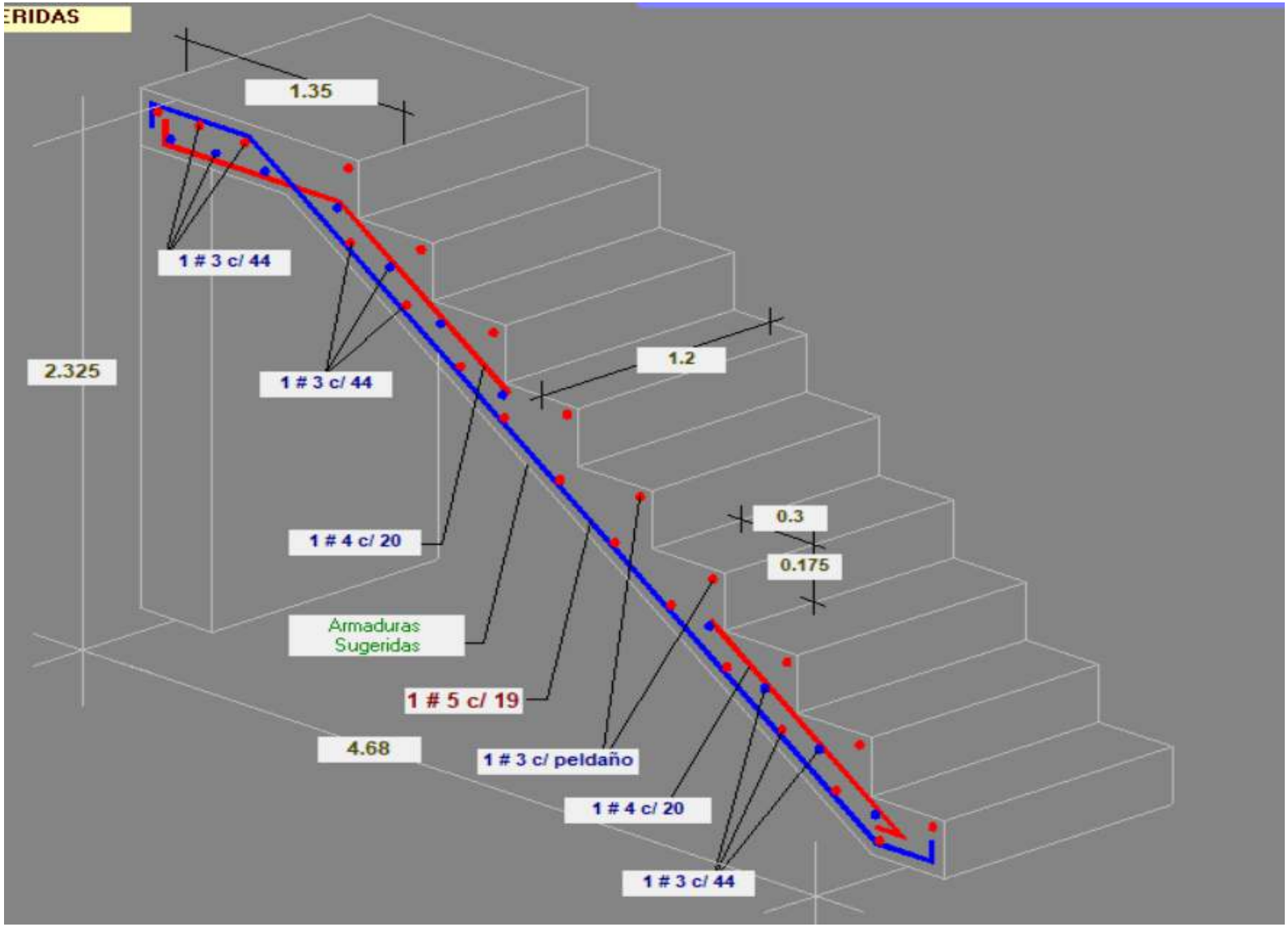
RESULTADOS DE ANALISIS Y DISEÑO

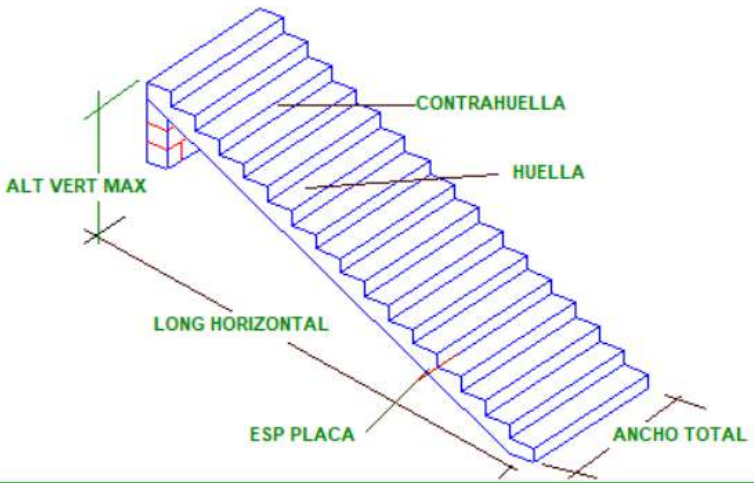
Long Horiz Escalera a Ejes (m) :4.68 Sección (cm):120 x 16

X (m)	Momento Mu (t-m)	As Tensión (cm2)	Armadura a Tensión	As Comprs (cm2)	Armadura a Compres.	Cortante Vu (t)	Chequeo Cortante	Flecha (cm)
0	0	4.88	4 # 4	0		4.04	CUMPLE	0
0.468	1.73	4.88	4 # 4	0		3.37	CUMPLE	-0.48
0.936	3.15	7.2	6 # 4	0		2.7	CUMPLE	-0.92
1.404	4.26	9.94	8 # 4	0		2	CUMPLE	-1.26
1.872	4.98	11.77	10 # 4	0		1.06	CUMPLE	-1.48
2.34	5.25	12.49	10 # 4	0		0.12	CUMPLE	-1.56
2.808	5.09	12.05	10 # 4	0		-0.83	CUMPLE	-1.49
3.276	4.48	10.48	9 # 4	0		-1.77	CUMPLE	-1.28
3.744	3.43	7.87	7 # 4	0		-2.72	CUMPLE	-0.93
4.212	1.93	4.88	4 # 4	0		-3.66	CUMPLE	-0.49
4.68	0	4.88	4 # 4	0		-4.61	CUMPLE	0

RESULTADOS COMPLEMENTARIOS

Carga por Peldaños (t / m)	0.252
Carga Acab Descanso (t / m)	0.12
Carga Placa Descanso (t / m)	0.461
Carga Acab Tramo Incl (t / m)	0.19
Carga Placa Tramo Incl (t / m)	0.562
Carga Total Wu Descanso (t / m)	1.425
Carga Total Wu Tram Inclin (t/m)	2.018
Momento Mu Máx (t - m)	5.25
Cortante Vu Máximo (t)	4.61
Flecha Máxima (cm)	1.56


ERIDAS
1.35
1 # 3 c/ 44
2.325
1 # 3 c/ 44
1.2
1 # 4 c/ 20
0.3
0.175
Armaduras
Sugeridas
1 # 5 c/ 19
4.68
1 # 3 c/ peldaño
1 # 4 c/ 20
1 # 3 c/ 44



GEOMETRIA

Longitud Horizontal de la Escalera, a ejes (m)	1.5
Altura Vertical Máxima de la Escalera (m)	1
Espesor Total de la Placa (m)	0.15
Ancho Total de la Escalera (m)	1.88
Longitud Mínima de la Huella (cm)	30
Altura Máxima de la Contrahuella (cm)	16.7

MATERIALES

F´c Concreto (kg/cm2)	240
Fy Acero Longitudinal (kg/cm2)	4200
Módulo Elástico Ec (kg/cm2)	1.86E5
Recubrimiento al Centroide d´ (cm)	3.8

SOBRECARGA

(Cargas de Servicio . SIN Mayorar)

Carga Total Muerta por Acabados (t/m2)	0.1
Carga Viva (t/m2)	0.3

RESULTADOS DE ANALISIS Y DISEÑO — Longitud Horiz de Escalera a Ejes (m): 1.5 — Sección (cm): 188 x 15

X (m)	0	0.15	0.3	0.45	0.6	0.75	0.9	1.05	1.2	1.35	1.5
Momento Mu (t-m)	0	0.31	0.55	0.72	0.82	0.85	0.82	0.72	0.55	0.31	0
As Tensión (cm2)	7.02	7.02	7.02	7.02	7.02	7.02	7.02	7.02	7.02	7.02	7.02
Armadura a Tensión	6 # 4	6 # 4	6 # 4	6 # 4	6 # 4	6 # 4	6 # 4	6 # 4	6 # 4	6 # 4	6 # 4
As Comprs (cm2)	0	0	0	0	0	0	0	0	0	0	0
Armadura a Compres.											
Cortante Vu (t)	2.28	1.82	1.37	0.91	0.46	0	-0.46	-0.91	-1.37	-1.82	-2.28
Chequeo Cortante	CUMPLE	CUMPLE	CUMPLE	CUMPLE	CUMPLE	CUMPLE	CUMPLE	CUMPLE	CUMPLE	CUMPLE	CUMPLE
Flecha (cm)	0	-0.01	-0.01	-0.02	-0.02	-0.02	-0.02	-0.02	-0.01	-0.01	0

RESULTADOS COMPLEMENTARIOS

Carga por Peldaños (t / m)	0.377
Carga por Acabados (t / m)	0.293
Carga por la Placa (t / m)	0.813
Carga Total Wu (t / m)	3.035
Momento Mu Máx (t - m)	0.85
Cortante Vu Máximo (t)	2.28

INTERVALO RESULTADOS: L/10

CALCULAR

ESQUEMA DE LA ARMADURA

IMPRIMIR | SALIR

MODULO ESCALERAS 1.0
DISEÑO DE ESCALERAS EN CONCRETO

FECHA : 2022/02/10

ESCALERAS RECTAS SIN DESCANSO

GEOMETRIA

Longitud Horizontal de la Escalera, a ejes (m)	1.5
Altura Vertical Máxima de la Escalera (m)	1
Espesor Total de la Placa (m)	0.15
Ancho Total de la Escalera (m)	1.88
Longitud Mínima de la Huella (cm)	30
Altura Máxima de la Contrahuella (cm)	16.7

MATERIALES

F´c Concreto (kg/cm2)	240
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Módulo Elástico Ec (kg/cm2)	1.86E5
Recubrimiento al Centroide d´ (cm)	3.8

SOBRECARGA (Cargas de Servicio . SIN Mayorar)

Carga Total Muerta por Acabados (t/m2)	0.1
Carga Viva (t/m2)	0.3

RESULTADOS DE ANALISIS Y DISEÑO

Longitud Horiz de Escalera a Ejes (m) :1.5 Sección (cm):188 x 15

X (m)	Momento Mu (t-m)	As Tensión (cm2)	Armadura a Tensión	As Comprs (cm2)	Armadura a Compres.	Cortante Vu (t)	Chequeo Cortante	Flecha (cm)
0	0	7.02	6 # 4	0		2.28	CUMPLE	0
0.15	0.31	7.02	6 # 4	0		1.82	CUMPLE	-0.01
0.3	0.55	7.02	6 # 4	0		1.37	CUMPLE	-0.01
0.45	0.72	7.02	6 # 4	0		0.91	CUMPLE	-0.02
0.6	0.82	7.02	6 # 4	0		0.46	CUMPLE	-0.02
0.75	0.85	7.02	6 # 4	0		0	CUMPLE	-0.02
0.9	0.82	7.02	6 # 4	0		-0.46	CUMPLE	-0.02
1.05	0.72	7.02	6 # 4	0		-0.91	CUMPLE	-0.02
1.2	0.55	7.02	6 # 4	0		-1.37	CUMPLE	-0.01
1.35	0.31	7.02	6 # 4	0		-1.82	CUMPLE	-0.01
1.5	0	7.02	6 # 4	0		-2.28	CUMPLE	0

RESULTADOS COMPLEMENTARIOS

Carga por Peldaños (t / m)	0.377
Carga por Acabados (t / m)	0.293
Carga por la Placa (t / m)	0.813
Carga Total Wu (t / m)	3.035
Momento Mu Máx (t - m)	0.85
Cortante Vu Máximo (t)	2.28

12 PLANOS ESTRUCTURALES

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