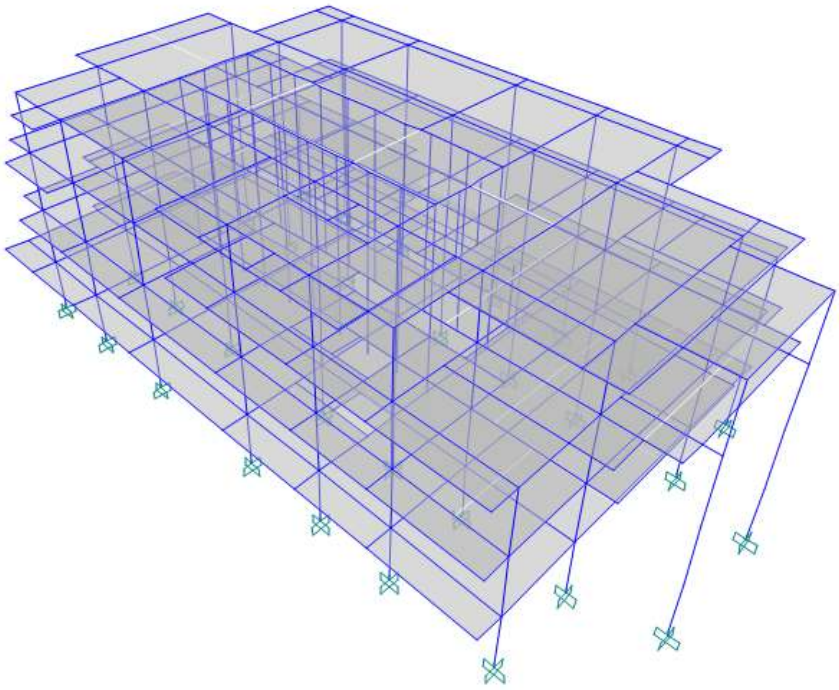
ETABS®



Datos de entrada

Model File: ALOJA. MED., Revision 0
6/09/2024

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1 Structure Data

This chapter provides model geometry information, including items such as story levels, point coordinates, and element connectivity.

Table 1.1 - Program Control (Part 1 of 2)

ProgramName	Version	ProgLevel	LicenseNum	CurrUnits	StlFrmCode	CompBmCode
ETABS	19.0.0	Ultimate	3010-*1RQ625EREDGK7DA	kip, in, F	AISC 360-10	AISC 360-10

Table 1.1 - Program Control (Part 2 of 2)

CompColCode	StlJstCode	ConcFrmCode	ConcSlbCode	ShrWallCode
AISC 360-10	SJI-2010	ACI 318-08	ACI 318-08	ACI 318-08

Table 1.2 - Analysis Options - Active Degrees of Freedom

UX	UY	UZ	RX	RY	RZ
Yes	Yes	Yes	Yes	Yes	Yes

1.1 Story Data

Table 1.3 - Story Definitions

Tower	Name	Height m	Master Story	Similar To	Splice Story	Color
T1	Cubierta	3.33	No	None	No	Gray8Dark
T1	Piso 3	3.46	No	None	No	Blue
T1	Piso 2	3.34	No	None	No	Green
T1	Piso 1	2.95	No	None	No	Cyan

1.2 Mass

Table 1.4 - Mass Source Definition

Name	Is Default	Include Lateral Mass?	Include Vertical Mass?	Lump Mass?	Source Self Mass?	Source Added Mass?	Source Load Patterns?	Move Mass Centroid?	Load Pattern	Multiplier
MsSrc1	Yes	Yes	No	Yes	Yes	Yes	Yes	No	D	1

Table 1.5 - Centers Of Mass And Rigidity

Story	Diaphragm	Mass X ton	Mass Y ton	XCM m	YCM m	Cum Mass X ton	Cum Mass Y ton	XCCM m	YCCM m	XCR m	YCR m
Piso 3	D1	445.2439	445.2439	8.892	14.849	445.2439	445.2439	8.892	14.849		
Piso 2	D1	470.634	470.634	8.7287	16.4381	915.878	915.878	8.8081	15.6656		
Piso 1	D1	550.9127	550.9127	8.4998	16.8015	1466.7907	1466.7907	8.6923	16.0922		

Table 1.6 - Mass Summary by Diaphragm

Story	Diaphragm	Mass X ton	Mass Y ton	Mass Moment of Inertia ton-m2	X Mass Center m	Y Mass Center m
Piso 3	D1	445.2439	445.2439	67109.4213	8.892	14.849
Piso 2	D1	470.634	470.634	74327.8841	8.7287	16.4381
Piso 1	D1	550.9127	550.9127	83597.153	8.4998	16.8015

Table 1.7 - Mass Summary by Story

Story	UX ton	UY ton	UZ ton
Cubierta	199.8352	199.8352	0
Piso 3	450.2231	450.2231	0
Piso 2	478.2663	478.2663	0
Piso 1	555.084	555.084	0
Sotano	29.345	29.345	0

Table 1.8 - Mass Summary by Group

Group	Self Mass ton	Self Weight kN	Mass X ton	Mass Y ton	Mass Z ton
All	857.2391	0	1712.7535	1712.7535	0
Derivas	0	0	0	0	0

2 Properties

This chapter provides property information for materials, frame sections, shell sections, and links.

2.1 Materials

Table 2.1 - Material Properties - General

Material	Type	SymType	Grade	Color	Notes
16.2 MPa	Concrete	Isotropic	Unknown	Cyan	
18.0 Mpa	Concrete	Isotropic	Unknown	Cyan	
18.2 Mpa	Concrete	Isotropic	Unknown	Cyan	
18.4 Mpa	Concrete	Isotropic	Unknown	Cyan	
21 MPa	Concrete	Isotropic	Unknown	Cyan	
21.6 MPa	Concrete	Isotropic	Unknown	Cyan	
22.6 Mpa	Concrete	Isotropic	Unknown	Cyan	
28 Mpa	Concrete	Isotropic	Unknown	Cyan	
4000Psi	Concrete	Isotropic	Unknown	Red	
A416Gr270	Tendon	Uniaxial	Unknown	Blue	
A500GrC	Steel	Isotropic	Unknown	Red	
A572Gr50	Steel	Isotropic	Grade 50	Gray8Dark	
A615Gr60	Rebar	Uniaxial	Unknown	Yellow	
A992Fy50	Steel	Isotropic	Unknown	Green	
C (E0)	Concrete	Isotropic	Unknown	Cyan	
C00	Concrete	Isotropic	Unknown	Magenta	

Table 2.2 - Material Properties - Steel Data

Material	Fy kN/m2	Fu kN/m2	Fye kN/m2	Fue kN/m2	SSCurveOpt	SSHysType	SHard m/m	SMax m/m	SRup m/m	FinalSlope
A500GrC	345000	425000	345000	425000	Simple	Kinematic	0.018	0.12	0.18	-0.1
A572Gr50	344737.89	448159.26	379211.68	492975.19	Simple	Kinematic	0.015	0.11	0.17	-0.1
A992Fy50	344737.9	448159.3	379211.7	492975.2	Simple	Kinematic	0.015	0.11	0.17	-0.1

Table 2.3 - Material Properties - Concrete Data

Material	Fc kN/m2	LtWtConc	SSCurveOpt	SSHysType	SFc m/m	SCap m/m	FinalSlope	FAngle deg	DAngle deg
16.2 MPa	16200	No	Mander	Concrete	0.001922	0.005	-0.1	0	0
18.0 Mpa	18000	No	Mander	Concrete	0.001922	0.005	-0.1	0	0
18.2 Mpa	18200	No	Mander	Concrete	0.001922	0.005	-0.1	0	0
18.4 Mpa	18400	No	Mander	Concrete	0.001922	0.005	-0.1	0	0
21 MPa	21000	No	Mander	Concrete	0.001922	0.005	-0.1	0	0
21.6 MPa	21600	No	Mander	Concrete	0.001922	0.005	-0.1	0	0
22.6 Mpa	22600	No	Mander	Concrete	0.001922	0.005	-0.1	0	0
28 Mpa	28000	No	Mander	Concrete	0.001922	0.005	-0.1	0	0
4000Psi	27579.03	No	Mander	Concrete	0.002219	0.005	-0.1	0	0
C (E0)	0.0001	No	Mander	Concrete	0.001922	0.005	-0.1	0	0
C00	0	No	Mander	Concrete	0.001922	0.005	-0.1	0	0

Table 2.4 - Material Properties - Rebar Data

Material	Fy kN/m2	Fu kN/m2	Fye kN/m2	Fue kN/m2	SSCurveOpt	SSHysType	SHard m/m	SCap m/m	FinalSlope
A615Gr60	413685.5	620528.2	413685.5	620528.2	Simple	Kinematic	0.01	0.09	-0.1

Table 2.5 - Material Properties - Tendon Data

Material	Fy kN/m2	Fu kN/m2	SSCurveOpt	SSHysType	FinalSlope
A416Gr270	1689905	1861585	270 ksi	Kinematic	-0.1

2.2 Frame Sections

Table 2.6 - Frame Section Property Definitions - Summary (Part 1 of 3)

Name	Material	Shape	Color	Area m2	J m4	I33 m4	I22 m4	As2 m2
C20X20 (E0)	C (E0)	Concrete Rectangular	16711808	0.04	0.000225	0.000133	0.000133	0.0333
C30	21 MPa	Concrete Circle	Gray8Dark	0.0707	0.000795	0.000398	0.000398	0.0636
C30X30	21 MPa	Concrete Rectangular	Blue	0.09	0.001141	0.000675	0.000675	0.075
C30X50 COMP	A572Gr50	Filled Steel Tube	Blue	0.0246	0.000639	0.000258	0.000636	0.0181
C35X35	28 Mpa	Concrete Rectangular	Red	0.1225	0.002113	0.001251	0.001251	0.1021
C35X45	28 Mpa	Concrete Rectangular	Orange	0.1575	0.003376	0.001608	0.002658	0.1312
C40X50	28 Mpa	Concrete Rectangular	16711808	0.2	0.005474	0.002667	0.004167	0.1667
C50X50 P3	16.2 MPa	Concrete Rectangular	Blue	0.25	0.008802	0.005208	0.005208	0.2083
C50X60 P1	21.6 MPa	Concrete Rectangular	Gray8Dark	0.3	0.012402	0.00625	0.009	0.25
C50X60 P2	18.4 Mpa	Concrete Rectangular	8421440	0.3	0.012402	0.00625	0.009	0.25
C50X60 SO	22.6 Mpa	Concrete Rectangular	Orange	0.3	0.012402	0.00625	0.009	0.25
ConcBm	C00	Concrete Rectangular	Green	0.1875	0.004746	0.003906	0.002197	0.1562
ConcCol	C00	Concrete Rectangular	Blue	0.1406	0.002785	0.001648	0.001648	0.1172
PTE 150X100X3mm	A500GrC	Steel Tube	Yellow	0.0014	5E-06	4E-06	2E-06	0.0008
PTE 200X100X3 mm	A500GrC	Steel Tube	65408	0.0016	7E-06	9E-06	3E-06	0.0011
R- 10X35	21 MPa	Concrete Rectangular	Magenta	0.035	9.6E-05	0.000357	2.9E-05	0.0292
R15X35	28 Mpa	Concrete Rectangular	Magenta	0.0525	0.000288	0.000536	9.8E-05	0.0437
SteelBm	A992Fy50	Steel I/Wide Flange	Gray8Dark	0.0071	2.567E-07	0.000303	1E-05	0.0031
SteelCol	A992Fy50	Steel I/Wide Flange	Yellow	0.0306	6E-06	0.001506	0.000521	0.0063
V20X35	28 Mpa	Concrete Rectangular	Gray8Dark	0.07	0.0006	0.000715	0.000233	0.0583
V25X35	28 Mpa	Concrete Rectangular	DarkYellow	0.0875	0.00102	0.000893	0.000456	0.0729
V25X50	21 MPa	Concrete Rectangular	8421440	0.125	0.001788	0.002604	0.000651	0.1042
V30X35	28 Mpa	Concrete Rectangular	Green	0.105	0.001526	0.001072	0.000788	0.0875
V30X40	28 Mpa	Concrete Rectangular	Blue	0.12	0.001944	0.0016	0.0009	0.1
V30X40 (18.2Mpa)	18.2 Mpa	Concrete Rectangular	DarkYellow	0.12	0.001944	0.0016	0.0009	0.1
V30X40 (18Mpa)	18.0 Mpa	Concrete Rectangular	DarkGreen	0.12	0.001944	0.0016	0.0009	0.1
V35X35	28 Mpa	Concrete Rectangular	Red	0.1225	0.002113	0.001251	0.001251	0.1021
V40X40 (18Mpa)	18.0 Mpa	Concrete Rectangular	Magenta	0.16	0.003605	0.002133	0.002133	0.1333
VT10X10	21 MPa	Concrete Rectangular	Cyan	0.01	1.4E-05	8E-06	8E-06	0.0083
VT15X30	21 MPa	Concrete Rectangular	Orange	0.045	0.000232	0.000338	8.4E-05	0.0375
VT15X40	21 MPa	Concrete Rectangular	Red	0.06	0.000344	0.0008	0.000113	0.05
VT20X35	28 Mpa	Concrete Rectangular	Blue	0.07	0.0006	0.000715	0.000233	0.0583
VT20X40 (18 MPa)	18.0 Mpa	Concrete Rectangular	Red	0.08	0.000732	0.001067	0.000267	0.0667
VT20X40 (18.2MPa)	18.2 Mpa	Concrete Rectangular	16711808	0.08	0.000732	0.001067	0.000267	0.0667
VT20X50	21 MPa	Concrete Rectangular	DarkGreen	0.1	0.000998	0.002083	0.000333	0.0833
VT25X35	28 Mpa	Concrete Rectangular	8421440	0.0875	0.00102	0.000893	0.000456	0.0729

Table 2.6 - Frame Section Property Definitions - Summary (Part 2 of 3)

As3 m2	S33Pos m3	S33Neg m3	S22Pos m3	S22Neg m3	Z33 m3	Z22 m3	R33 m	R22 m	Cw m6	CG Offset 3 m	CG Offset 2 m
0.0333	0.001333	0.001333	0.001333	0.001333	0.002	0.002	0.05774	0.05774		0	0
0.0636	0.002651	0.002651	0.002651	0.002651	0.0045	0.0045	0.075	0.075		0	0
0.075	0.0045	0.0045	0.0045	0.0045	0.00675	0.00675	0.0866	0.0866		0	0
0.0195	0.001721	0.001721	0.002545	0.002545	0.002221	0.003451	0.10246	0.16084		0	0
0.1021	0.007146	0.007146	0.007146	0.007146	0.010719	0.010719	0.10104	0.10104		0	0
0.1312	0.009188	0.009188	0.011813	0.011813	0.013781	0.017719	0.10104	0.1299		0	0
0.1667	0.013333	0.013333	0.016667	0.016667	0.02	0.025	0.11547	0.14434		0	0
0.2083	0.020833	0.020833	0.020833	0.020833	0.03125	0.03125	0.14434	0.14434		0	0
0.25	0.025	0.025	0.03	0.03	0.0375	0.045	0.14434	0.17321		0	0
0.25	0.025	0.025	0.03	0.03	0.0375	0.045	0.14434	0.17321		0	0
0.25	0.025	0.025	0.03	0.03	0.0375	0.045	0.14434	0.17321		0	0
0.1562	0.015625	0.015625	0.011719	0.011719	0.023438	0.017578	0.14434	0.10825		0	0
0.1172	0.008789	0.008789	0.008789	0.008789	0.013184	0.013184	0.10825	0.10825		0	0
0.0006	5.9E-05	5.9E-05	4.7E-05	4.7E-05	7E-05	5.3E-05	0.05695	0.04168		0	0
0.0006	8.8E-05	8.8E-05	6.1E-05	6.1E-05	0.000108	6.7E-05	0.07337	0.04294		0	0
0.0292	0.002042	0.002042	0.000583	0.000583	0.003063	0.000875	0.10104	0.02887		0	0
0.0437	0.003063	0.003063	0.001313	0.001313	0.004594	0.001969	0.10104	0.0433		0	0
0.0037	0.001214	0.001214	0.000116	0.000116	0.001368	0.000178	0.20622	0.03678	0	0	0
0.0223	0.006026	0.006026	0.002084	0.002084	0.00657	0.003143	0.22178	0.13042	2.938E-05	0	0
0.0583	0.004083	0.004083	0.002333	0.002333	0.006125	0.0035	0.10104	0.05774		0	0
0.0729	0.005104	0.005104	0.003646	0.003646	0.007656	0.005469	0.10104	0.07217		0	0
0.1042	0.010417	0.010417	0.005208	0.005208	0.015625	0.007813	0.14434	0.07217		0	0
0.0875	0.006125	0.006125	0.00525	0.00525	0.009187	0.007875	0.10104	0.0866		0	0
0.1	0.008	0.008	0.006	0.006	0.012	0.009	0.11547	0.0866		0	0
0.1	0.008	0.008	0.006	0.006	0.012	0.009	0.11547	0.0866		0	0
0.1	0.008	0.008	0.006	0.006	0.012	0.009	0.11547	0.0866		0	0
0.1021	0.007146	0.007146	0.007146	0.007146	0.010719	0.010719	0.10104	0.10104		0	0
0.1333	0.010667	0.010667	0.010667	0.010667	0.016	0.016	0.11547	0.11547		0	0
0.0083	0.000167	0.000167	0.000167	0.000167	0.00025	0.00025	0.02887	0.02887		0	0
0.0375	0.00225	0.00225	0.001125	0.001125	0.003375	0.001688	0.0866	0.0433		0	0
0.05	0.004	0.004	0.0015	0.0015	0.006	0.00225	0.11547	0.0433		0	0
0.0583	0.004083	0.004083	0.002333	0.002333	0.006125	0.0035	0.10104	0.05774		0	0
0.0667	0.005333	0.005333	0.002667	0.002667	0.008	0.004	0.11547	0.05774		0	0
0.0667	0.005333	0.005333	0.002667	0.002667	0.008	0.004	0.11547	0.05774		0	0
0.0833	0.008333	0.008333	0.003333	0.003333	0.0125	0.005	0.14434	0.05774		0	0
0.0729	0.005104	0.005104	0.003646	0.003646	0.007656	0.005469	0.10104	0.07217		0	0

Table 2.6 - Frame Section Property Definitions - Summary (Part 3 of 3)

PNA Offset 2 m	Area Modifier	As2 Modifier	As3 Modifier	J Modifier	I33 Modifier	I22 Modifier	Mass Modifier	Weight Modifier
0	1	1	1	1	1	1	1	1
0	1	1	1	1	1	1	1	1
0	1	1	1	1	1	1	1	1
0	1	1	1	1	1	1	1	1
0	1	1	1	1	1	1	0.85	0.85
0	1	1	1	1	1	1	1	1

Table 2.6 - Frame Section Property Definitions - Summary (Part 3 of 3, continued)

PNA Offset 2 m	Area Modifier	As2 Modifier	As3 Modifier	J Modifier	I33 Modifier	I22 Modifier	Mass Modifier	Weight Modifier
0	1	1	1	1	1	1	1	1
0	1	1	1	1	1	1	0.92	0.92
0	1	1	1	1	1	1	0.92	0.92
0	1	1	1	1	1	1	0.92	0.92
0	1	1	1	1	1	1	0.92	0.92
0	1	1	1	1	1	1	1	1
0	1	1	1	1	1	1	1	1
0	1	1	1	1	1	1	1	1
0	1	1	1	1	1	1	1	1
0	1	1	1	1	1	1	0.85	0.85
0	1	1	1	1	1	1	0.85	0.85
0	1	1	1	1	1	1	1	1
0	1	1	1	1	1	1	1	1
0	1	1	1	1	1	1	0.85	0.85
0	1	1	1	1	1	1	0.85	0.85
0	1	1	1	1	1	1	0.85	0.85
0	1	1	1	1	1	1	0.85	0.85
0	1	1	1	1	1	1	0.85	0.85
0	1	1	1	1	1	1	0.85	0.85
0	1	1	1	1	1	1	0.85	0.85
0	1	1	1	1	1	1	0.85	0.85
0	1	1	1	1	1	1	0.85	0.85
0	1	1	1	1	1	1	0.85	0.85
0	1	1	1	1	1	1	0.85	0.85
0	1	1	1	1	1	1	0.85	0.85
0	1	1	1	1	1	1	0.85	0.85
0	1	1	1	1	1	1	0.85	0.85
0	1	1	1	1	1	1	0.85	0.85
0	1	1	1	1	1	1	0.85	0.85
0	1	1	1	1	1	1	0.85	0.85
0	1	1	1	1	1	1	0.85	0.85

Table 2.7 - Frame Section Property Definitions - Steel I/Wide Flange (Part 1 of 2)

Name	Material	From File?	Total Depth m	Top Flange Width m	Top Flange Thickness m	Web Thickness m	Bottom Flange Width m	Bottom Flange Thickness m	Fillet Radius m	Area Modifier
SteelBm	A992Fy50	No	0.5	0.16667	0.0125	0.00625	0.16667	0.0125	0	1
SteelCol	A992Fy50	No	0.5	0.5	0.025	0.0125	0.5	0.025	0	1

Table 2.7 - Frame Section Property Definitions - Steel I/Wide Flange (Part 2 of 2)

As2 Modifier	As3 Modifier	J Modifier	I22 Modifier	I33 Modifier	Mass Modifier	Weight Modifier	Color	Notes
1	1	1	1	1	1	1	Gray8Dark	
1	1	1	1	1	1	1	Yellow	

Table 2.8 - Frame Section Property Definitions - Steel Tube (Part 1 of 2)

Name	Material	From File?	Total Depth m	Total Width m	Flange Thickness m	Web Thickness m	Corner Radius m	Area Modifier	As2 Modifier
PTE 150X100X3mm	A500GrC	No	0.15	0.1	0.00279	0.00279	0	1	1
PTE 200X100X3 mm	A500GrC	No	0.2	0.1	0.00279	0.00279	0	1	1

Table 2.8 - Frame Section Property Definitions - Steel Tube (Part 2 of 2)

As3 Modifier	J Modifier	I22 Modifier	I33 Modifier	Mass Modifier	Weight Modifier	Color	Notes
1	1	1	1	1	1	Yellow	
1	1	1	1	1	1	65408	

Table 2.9 - Frame Section Property Definitions - Concrete Circle (Part 1 of 2)

Name	Material	From File?	Diameter m	Rigid Zone?	Notional Size Type	Notional Auto Factor	Design Type	Area Modifier	As2 Modifier	As3 Modifier
C30	21 MPa	No	0.3	No	Auto	1	Column	1	1	1

Table 2.9 - Frame Section Property Definitions - Concrete Circle (Part 2 of 2)

J Modifier	I22 Modifier	I33 Modifier	Mass Modifier	Weight Modifier	Color	Notes
1	1	1	1	1	Gray8Dark	

Table 2.10 - Frame Section Property Definitions - Concrete Rectangular (Part 1 of 2)

Name	Material	From File?	Depth m	Width m	Rigid Zone?	Notional Size Type	Notional Auto Factor	Design Type	Area Modifier	As2 Modifier
C20X20 (E0)	C (E0)	No	0.2	0.2	No	Auto	1	Column	1	1
C30X30	21 MPa	No	0.3	0.3	No	Auto	1	Column	1	1
C35X35	28 Mpa	No	0.35	0.35	No	Auto	1	Column	1	1
C35X45	28 Mpa	No	0.35	0.45	No	Auto	1	Column	1	1
C40X50	28 Mpa	No	0.4	0.5	No	Auto	1	Column	1	1
C50X50 P3	16.2 MPa	No	0.5	0.5	No	Auto	1	Column	1	1
C50X60 P1	21.6 MPa	No	0.5	0.6	No	Auto	1	Column	1	1
C50X60 P2	18.4 Mpa	No	0.5	0.6	No	Auto	1	Column	1	1
C50X60 SO	22.6 Mpa	No	0.5	0.6	No	Auto	1	Column	1	1
ConcBm	C00	No	0.5	0.375	No	Auto	1	Beam	1	1
ConcCol	C00	No	0.375	0.375	No	Auto	1	Column	1	1
R- 10X35	21 MPa	No	0.35	0.1	No	Auto	1	Beam	1	1
R15X35	28 Mpa	No	0.35	0.15	No	Auto	1	Beam	1	1
V20X35	28 Mpa	No	0.35	0.2	No	Auto	1	Beam	1	1
V25X35	28 Mpa	No	0.35	0.25	No	Auto	1	Beam	1	1
V25X50	21 MPa	No	0.5	0.25	No	Auto	1	Beam	1	1
V30X35	28 Mpa	No	0.35	0.3	No	Auto	1	Beam	1	1
V30X40	28 Mpa	No	0.4	0.3	No	Auto	1	Beam	1	1
V30X40 (18.2Mpa)	18.2 Mpa	No	0.4	0.3	No	Auto	1	Beam	1	1
V30X40 (18Mpa)	18.0 Mpa	No	0.4	0.3	No	Auto	1	Beam	1	1
V35X35	28 Mpa	No	0.35	0.35	No	Auto	1	Beam	1	1
V40X40 (18Mpa)	18.0 Mpa	No	0.4	0.4	No	Auto	1	Beam	1	1
VT10X10	21 MPa	No	0.1	0.1	No	Auto	1	Beam	1	1
VT15X30	21 MPa	No	0.3	0.15	No	Auto	1	Beam	1	1

Table 2.10 - Frame Section Property Definitions - Concrete Rectangular (Part 1 of 2, continued)

Name	Material	From File?	Depth m	Width m	Rigid Zone?	Notional Size Type	Notional Auto Factor	Design Type	Area Modifier	As2 Modifier
VT15X40	21 MPa	No	0.4	0.15	No	Auto	1	Beam	1	1
VT20X35	28 Mpa	No	0.35	0.2	No	Auto	1	Beam	1	1
VT20X40 (18 MPa)	18.0 Mpa	No	0.4	0.2	No	Auto	1	Beam	1	1
VT20X40 (18.2MPa)	18.2 Mpa	No	0.4	0.2	No	Auto	1	Beam	1	1
VT20X50	21 MPa	No	0.5	0.2	No	Auto	1	Beam	1	1
VT25X35	28 Mpa	No	0.35	0.25	No	Auto	1	Beam	1	1

Table 2.10 - Frame Section Property Definitions - Concrete Rectangular (Part 2 of 2)

As3 Modifier	J Modifier	I22 Modifier	I33 Modifier	Mass Modifier	Weight Modifier	Color	Notes
1	1	1	1	1	1	16711808	
1	1	1	1	1	1	Blue	
1	1	1	1	0.85	0.85	Red	
1	1	1	1	1	1	Orange	
1	1	1	1	1	1	16711808	
1	1	1	1	0.92	0.92	Blue	
1	1	1	1	0.92	0.92	Gray8Dark	
1	1	1	1	0.92	0.92	8421440	
1	1	1	1	0.92	0.92	Orange	
1	1	1	1	1	1	Green	
1	1	1	1	1	1	Blue	
1	1	1	1	0.85	0.85	Magenta	
1	1	1	1	0.85	0.85	Magenta	
1	1	1	1	0.85	0.85	Gray8Dark	
1	1	1	1	0.85	0.85	DarkYellow	
1	1	1	1	0.85	0.85	8421440	
1	1	1	1	0.85	0.85	Green	
1	1	1	1	0.85	0.85	Blue	
1	1	1	1	0.85	0.85	DarkYellow	
1	1	1	1	0.85	0.85	DarkGreen	
1	1	1	1	0.85	0.85	Red	
1	1	1	1	0.85	0.85	Magenta	
1	1	1	1	0.85	0.85	Cyan	
1	1	1	1	0.85	0.85	Orange	
1	1	1	1	0.85	0.85	Red	
1	1	1	1	0.85	0.85	Blue	
1	1	1	1	0.85	0.85	Red	
1	1	1	1	0.85	0.85	16711808	
1	1	1	1	0.85	0.85	DarkGreen	
1	1	1	1	0.85	0.85	8421440	

Table 2.11 - Frame Section Property Definitions - Concrete Beam Reinforcing

Name	Longitudinal Bar Material	Tie Bar Material	Top Cover m	Bottom Cover m	Top I-End Area m	Top J-End Area m	Bottom I-End Area m	Bottom J-End Area m
ConcBm	A615Gr60	A615Gr60	0.06	0.06	0	0	0	0
R- 10X35	A615Gr60	A615Gr60	0.04	0.04	0	0	0	0
R15X35	A615Gr60	A615Gr60	0.04	0.04	0	0	0	0

Table 2.11 - Frame Section Property Definitions - Concrete Beam Reinforcing (continued)

Name	Longitudinal Bar Material	Tie Bar Material	Top Cover m	Bottom Cover m	Top I-End Area m	Top J-End Area m	Bottom I-End Area m	Bottom J-End Area m
V20X35	A615Gr60	A615Gr60	0.04	0.04	0	0	0	0
V25X35	A615Gr60	A615Gr60	0.04	0.04	0	0	0	0
V25X50	A615Gr60	A615Gr60	0.04	0.04	0	0	0	0
V30X35	A615Gr60	A615Gr60	0.04	0.04	0	0	0	0
V30X40	A615Gr60	A615Gr60	0.04	0.04	0	0	0	0
V30X40 (18.2Mpa)	A615Gr60	A615Gr60	0.04	0.04	0	0	0	0
V30X40 (18Mpa)	A615Gr60	A615Gr60	0.04	0.04	0	0	0	0
V35X35	A615Gr60	A615Gr60	0.04	0.04	0	0	0	0
V40X40 (18Mpa)	A615Gr60	A615Gr60	0.04	0.04	0	0	0	0
VT10X10	A615Gr60	A615Gr60	0.04	0.04	0	0	0	0
VT15X30	A615Gr60	A615Gr60	0.04	0.04	0	0	0	0
VT15X40	A615Gr60	A615Gr60	0.04	0.04	0	0	0	0
VT20X35	A615Gr60	A615Gr60	0.04	0.04	0	0	0	0
VT20X40 (18 MPa)	A615Gr60	A615Gr60	0.04	0.04	0	0	0	0
VT20X40 (18.2MPa)	A615Gr60	A615Gr60	0.04	0.04	0	0	0	0
VT20X50	A615Gr60	A615Gr60	0.04	0.04	0	0	0	0
VT25X35	A615Gr60	A615Gr60	0.04	0.04	0	0	0	0

Table 2.12 - Frame Section Property Definitions - Concrete Column Reinforcing (Part 1 of 2)

Name	Longitudinal Bar Material	Tie Bar Material	Reinforcement Configuration	Is Spiral Ties?	Is Designed?	Clear Cover to Ties m	Number Bars 3-Dir	Number Bars 2-Dir
C20X20 (E0)	A615Gr60	A615Gr60	Rectangular		Yes	0.04	3	5
C30	A615Gr60	A615Gr60	Circular	No	Yes	0.04		
C30X30	A615Gr60	A615Gr60	Rectangular		Yes	0.04	3	5
C35X35	A615Gr60	A615Gr60	Rectangular		Yes	0.04	3	5
C35X45	A615Gr60	A615Gr60	Rectangular		No	0.05	2	2
C40X50	A615Gr60	A615Gr60	Rectangular		Yes	0.04	3	5
C50X50 P3	A615Gr60	A615Gr60	Rectangular		Yes	0.04	3	5
C50X60 P1	A615Gr60	A615Gr60	Rectangular		Yes	0.04	3	5
C50X60 P2	A615Gr60	A615Gr60	Rectangular		Yes	0.04	3	5
C50X60 SO	A615Gr60	A615Gr60	Rectangular		Yes	0.04	3	5
ConcCol	A615Gr60	A615Gr60	Rectangular		Yes	0.04	3	5

Table 2.12 - Frame Section Property Definitions - Concrete Column Reinforcing (Part 2 of 2)

Number Longitudinal Bars	Longitudinal Bar Size	Corner Bar Size	Tie Bar Size	Tie Bar Spacing m2	Number Ties 3-Dir	Number Ties 2-Dir
				0.0002	3	3
8	20			0.0002		
				0.0002	3	3
				0.0002	3	3
	N4	N4	N3	0.0001	2	2
				0.0002	3	3
				0.0002	3	3
				0.0002	3	3

Table 2.12 - Frame Section Property Definitions - Concrete Column Reinforcing (Part 2 of 2, continued)

Number Longitudinal Bars	Longitudinal Bar Size	Corner Bar Size	Tie Bar Size	Tie Bar Spacing m2	Number Ties 3-Dir	Number Ties 2-Dir
				0.0002	3	3
				0.0002	3	3
	20	20		0.0002	3	3

Table 2.13 - Frame Section Property Definitions - Filled Steel Tube (Part 1 of 2)

Name	Material	From File?	Total Depth m	Total Width m	Flange Thickness m	Web Thickness m	Corner Radius m	Fill Material	Area Modifier	As2 Modifier
C30X50 COMP	A572Gr50	No	0.3	0.5	0.006	0.006	0	21 MPa	1	1

Table 2.13 - Frame Section Property Definitions - Filled Steel Tube (Part 2 of 2)

As3 Modifier	J Modifier	I22 Modifier	I33 Modifier	Mass Modifier	Weight Modifier	Color	Notes
1	1	1	1	1	1	Blue	

2.3 Shell Sections

Table 2.14 - Area Section Property Definitions - Summary

Name	Type	Element Type	Material	Total Thickness m	Deck Material	Deck Depth m
CUB LIV	Slab	Membrane	C00	0.1		
Deck1	Deck	Membrane	4000Psi	0.1625	A992Fy50	0.075
ESC20 (18.2Mpa)	Slab	Membrane	18.2 Mpa	0.2		
ESC20 (18Mpa)	Slab	Membrane	18.0 Mpa	0.2		
L5 (18 Mpa)	Slab	Membrane	18.0 Mpa	0.05		
L5 (18.2 MPa)	Slab	Membrane	18.2 Mpa	0.05		
L8	Slab	Membrane	28 Mpa	0.08		
M20	Wall	Shell-Thin	28 Mpa	0.2		
Plank1	Slab	Membrane	4000Psi	0.2		
Slab1	Slab	Shell-Thin	4000Psi	0.2		
Wall1	Wall	Shell-Thin	4000Psi	0.25		

Table 2.15 - Slab Property Definitions (Part 1 of 2)

Name	Modeling Type	Property Type	Material	Slab Thickness m	One Way Load Distribution?	Notional Size Type	Notional Auto Factor	f11 Modifier
CUB LIV	Membrane	Slab	C00	0.1	Yes	Auto	1	1
ESC20 (18.2Mpa)	Membrane	Slab	18.2 Mpa	0.2	Yes	Auto	1	1
ESC20 (18Mpa)	Membrane	Slab	18.0 Mpa	0.2	Yes	Auto	1	1
L5 (18 Mpa)	Membrane	Slab	18.0 Mpa	0.05	Yes	Auto	1	1
L5 (18.2 MPa)	Membrane	Slab	18.2 Mpa	0.05	Yes	Auto	1	1
L8	Membrane	Slab	28 Mpa	0.08	Yes	Auto	1	1
Plank1	Membrane	Slab	4000Psi	0.2	Yes	Auto	1	1
Slab1	Shell-Thin	Slab	4000Psi	0.2		Auto	1	1

Table 2.15 - Slab Property Definitions (Part 2 of 2)

f22 Modifier	f12 Modifier	m11 Modifier	m22 Modifier	m12 Modifier	v13 Modifier	v23 Modifier	Mass Modifier	Weight Modifier	Color	Notes
1	1	1	1	1	1	1	1	1	DarkYellow	
1	1	1	1	1	1	1	1	1	56797	
1	1	1	1	1	1	1	1	1	Blue	
1	1	1	1	1	1	1	1	1	Gray4	
1	1	1	1	1	1	1	1	1	5746176	
1	1	1	1	1	1	1	1	1	Gray4	
1	1	1	1	1	1	1	1	1	Magenta	
1	1	1	1	1	1	1	1	1	Red	

Table 2.16 - Deck Property Definitions (Part 1 of 3)

Name	Deck Type	Slab Material	Deck Material	Slab Depth m	Rib Depth m	Rib Width Top m	Rib Width Bottom m	Rib Spacing m	Deck Shear Thickness m	Deck Unit Weight kN/m2	Shear Stud Diameter m
Deck1	Filled	4000Psi	A992Fy50	0.0875	0.075	0.175	0.125	0.3	0.001	0.1101	0.019

Table 2.16 - Deck Property Definitions (Part 2 of 3)

Shear Stud Height m	Shear Stud Tensile Strength kN/m2	f11 Modifier	f22 Modifier	f12 Modifier	m11 Modifier	m22 Modifier	m12 Modifier	v13 Modifier	v23 Modifier	Mass Modifier
0.15	400000	1	1	1	1	1	1	1	1	1

Table 2.16 - Deck Property Definitions (Part 3 of 3)

Color	Notes
Blue	

Table 2.17 - Wall Property Definitions - Specified (Part 1 of 2)

Name	Modeling Type	Material	Wall Thickness m	Include Auto Rigid Zone?	Notional Size Type	Notional Auto Factor	f11 Modifier	f22 Modifier	f12 Modifier	m11 Modifier
M20	Shell-Thin	28 Mpa	0.2	No	Auto	1	1	1	1	1
Wall1	Shell-Thin	4000Psi	0.25	No	Auto	1	1	1	1	1

Table 2.17 - Wall Property Definitions - Specified (Part 2 of 2)

m22 Modifier	m12 Modifier	v13 Modifier	v23 Modifier	Mass Modifier	Weight Modifier	Color	Notes
1	1	1	1	1	1	Magenta	
1	1	1	1	1	1	Green	

3 Assignments

This chapter provides a listing of the assignments applied to the model.

3.1 Frame Assignments

Table 3.1 - Frame Assignments - Summary

Story	Label	UniqueName	Design Type	Length m	Analysis Section	Design Section	Axis Angle deg	Min Number Stations	Releases
Cubierta	B1	110	Beam	6.45	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Cubierta	B2	611	Beam	0.76	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Cubierta	B3	613	Beam	0.76	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Cubierta	B10	647	Beam	3.1	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	Yes
Cubierta	B11	648	Beam	6.45	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	Yes
Cubierta	B12	649	Beam	2.5	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	Yes
Cubierta	B14	612	Beam	3.17	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Cubierta	B15	614	Beam	3.17	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Cubierta	B17	652	Beam	1.73	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	
Cubierta	B20	654	Beam	1.73	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	
Cubierta	B26	624	Beam	1.85	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Cubierta	B27	608	Beam	1.25	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Cubierta	B29	609	Beam	6.45	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Cubierta	B30	610	Beam	1	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Cubierta	B31	625	Beam	1.5	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Cubierta	B39	643	Beam	5.52	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	Yes
Cubierta	B40	498	Beam	5.52	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Cubierta	B41	503	Beam	5.52	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Cubierta	B42	645	Beam	5.52	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	Yes
Cubierta	B45	655	Beam	3.24	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	Yes
Cubierta	B46	660	Beam	0.98	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	Yes
Cubierta	B47	663	Beam	1.65	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Cubierta	B48	664	Beam	1.65	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	
Cubierta	B50	619	Beam	2.73	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Cubierta	B52	620	Beam	1.85	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Cubierta	B53	541	Beam	2.18	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Cubierta	B54	561	Beam	2.16	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Cubierta	B57	562	Beam	2.16	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Cubierta	B58	543	Beam	2.2	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Cubierta	B59	621	Beam	1.5	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Cubierta	B61	622	Beam	3.24	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Cubierta	B62	449	Beam	0.98	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Cubierta	B63	353	Beam	1.27	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Cubierta	B64	400	Beam	1.27	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Cubierta	B67	489	Beam	1.35	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	
Cubierta	B68	493	Beam	4.58	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	Yes
Cubierta	B72	504	Beam	4.19	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Cubierta	B73	509	Beam	4.19	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Cubierta	B74	659	Beam	4.19	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	Yes
Cubierta	B76	546	Beam	2.92	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	Yes
Cubierta	B77	374	Beam	2.92	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Cubierta	B78	421	Beam	2.92	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Cubierta	B81	378	Beam	1.35	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Cubierta	B82	519	Beam	2.9	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	

Table 3.1 - Frame Assignments - Summary (continued)

Story	Label	UniqueName	Design Type	Length m	Analysis Section	Design Section	Axis Angle deg	Min Number Stations	Releases
Cubierta	B83	520	Beam	1.68	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Cubierta	B84	488	Beam	2.18	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Cubierta	B85	710	Beam	1.44	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Cubierta	B86	711	Beam	0.72	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Cubierta	B89	712	Beam	0.72	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Cubierta	B90	713	Beam	1.44	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Cubierta	B91	490	Beam	2.2	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Cubierta	B92	486	Beam	4.74	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Cubierta	B93	443	Beam	0.98	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Cubierta	B94	558	Beam	1.9	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	Yes
Cubierta	B95	230	Beam	1.9	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Cubierta	B96	690	Beam	1.92	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	Yes
Cubierta	B97	698	Beam	1.92	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	Yes
Cubierta	B98	483	Beam	2.15	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	Yes
Cubierta	B99	521	Beam	2.15	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Cubierta	B100	557	Beam	1.35	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	Yes
Cubierta	B101	481	Beam	1.68	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	Yes
Cubierta	B104	505	Beam	4.75	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Cubierta	B105	510	Beam	4.75	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Cubierta	B106	658	Beam	4.75	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	Yes
Cubierta	B107	691	Beam	1.92	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	
Cubierta	B108	699	Beam	2.24	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	
Cubierta	B109	559	Beam	2.85	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	Yes
Cubierta	B110	311	Beam	2.85	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Cubierta	B111	487	Beam	2.6	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	Yes
Cubierta	B112	522	Beam	2.6	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Cubierta	B113	692	Beam	0.91	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	Yes
Cubierta	B114	700	Beam	0.59	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	Yes
Cubierta	B115	357	Beam	1.35	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Cubierta	B116	517	Beam	2.9	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Cubierta	B117	518	Beam	1.68	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Cubierta	B118	533	Beam	2.18	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Cubierta	B120	536	Beam	2.2	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Cubierta	B122	523	Beam	4.74	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Cubierta	B124	442	Beam	0.98	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Cubierta	B125	693	Beam	1.01	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	Yes
Cubierta	B126	701	Beam	1.01	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	Yes
Cubierta	B127	544	Beam	2.88	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	Yes
Cubierta	B128	627	Beam	2.88	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Cubierta	B129	629	Beam	2.88	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Cubierta	B130	694	Beam	1.92	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	
Cubierta	B131	702	Beam	1.92	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	
Cubierta	B132	513	Beam	4.84	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Cubierta	B133	515	Beam	4.84	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Cubierta	B134	526	Beam	1.35	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	
Cubierta	B135	537	Beam	4.58	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	Yes
Cubierta	B139	657	Beam	7.34	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	Yes
Cubierta	B140	695	Beam	1.92	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	

Table 3.1 - Frame Assignments - Summary (continued)

Story	Label	UniqueName	Design Type	Length m	Analysis Section	Design Section	Axis Angle deg	Min Number Stations	Releases
Cubierta	B141	703	Beam	1.92	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	
Cubierta	B144	628	Beam	4.46	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Cubierta	B145	630	Beam	4.46	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Cubierta	B146	696	Beam	1.92	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	
Cubierta	B147	704	Beam	1.92	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	
Cubierta	B148	514	Beam	2.5	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Cubierta	B149	516	Beam	2.5	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Cubierta	B150	697	Beam	0.57	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	Yes
Cubierta	B151	705	Beam	0.57	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	Yes
Cubierta	B153	484	Beam	4.58	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Cubierta	B154	532	Beam	2.18	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Cubierta	B156	535	Beam	2.2	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Cubierta	B157	485	Beam	4.74	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Cubierta	B158	431	Beam	0.98	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Cubierta	B159	684	Beam	1.35	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	Yes
Cubierta	B160	687	Beam	1.35	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	Yes
Cubierta	B161	685	Beam	1.92	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	
Cubierta	B162	688	Beam	1.92	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	
Cubierta	B164	496	Beam	5.19	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Cubierta	B165	501	Beam	5.19	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Cubierta	B166	506	Beam	5.19	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Cubierta	B167	511	Beam	5.19	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Cubierta	B168	656	Beam	5.19	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	Yes
Cubierta	B169	686	Beam	1.92	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	Yes
Cubierta	B170	689	Beam	1.92	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	Yes
Cubierta	B171	89	Beam	1.35	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Cubierta	B172	482	Beam	4.58	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Cubierta	B173	538	Beam	2.18	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Cubierta	B174	706	Beam	1.44	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Cubierta	B175	707	Beam	0.72	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Cubierta	B178	708	Beam	0.72	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Cubierta	B179	709	Beam	1.44	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Cubierta	B180	540	Beam	2.2	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Cubierta	B182	633	Beam	4.74	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Cubierta	B184	426	Beam	0.98	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Cubierta	B185	556	Beam	2.03	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	Yes
Cubierta	B186	552	Beam	2.03	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Cubierta	B187	548	Beam	2.03	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Cubierta	B189	631	Beam	2.16	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Cubierta	B190	425	Beam	2.16	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	Yes
Cubierta	B191	554	Beam	1.35	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	
Cubierta	B192	555	Beam	4.58	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	Yes
Cubierta	B196	507	Beam	4.2	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Cubierta	B200	113	Beam	4.74	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	Yes
Cubierta	B202	422	Beam	0.98	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	
Cubierta	B203	553	Beam	2.17	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Cubierta	B204	549	Beam	2.17	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Cubierta	B207	479	Beam	4.58	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	

Table 3.1 - Frame Assignments - Summary (continued)

Story	Label	UniqueName	Design Type	Length m	Analysis Section	Design Section	Axis Angle deg	Min Number Stations	Releases
Cubierta	B208	566	Beam	4.34	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Cubierta	B211	567	Beam	4.36	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Cubierta	B217	527	Beam	2.07	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Cubierta	B218	529	Beam	2.07	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Cubierta	B230	568	Beam	4.34	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	Yes
Cubierta	B232	569	Beam	4.36	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	Yes
Cubierta	C1	414	Column	3.33	C50X60 SO	C50X60 SO	90	3	
Cubierta	C2	418	Column	3.33	C50X60 SO	C50X60 SO	90	3	
Cubierta	C4	111	Column	3.33	C50X50 P3	C50X50 P3	90	3	
Cubierta	C5	112	Column	3.33	C50X50 P3	C50X50 P3	90	3	
Cubierta	C7	106	Column	3.33	C50X50 P3	C50X50 P3	90	3	
Cubierta	C8	107	Column	3.33	C50X50 P3	C50X50 P3	90	3	
Cubierta	C9	108	Column	3.33	C50X50 P3	C50X50 P3	90	3	
Cubierta	C10	109	Column	3.33	C50X50 P3	C50X50 P3	90	3	
Cubierta	C11	102	Column	3.33	C50X50 P3	C50X50 P3	90	3	
Cubierta	C12	103	Column	3.33	C50X50 P3	C50X50 P3	90	3	
Cubierta	C13	590	Column	3.33	C20X20 (E0)	C20X20 (E0)		3	
Cubierta	C14	682	Column	3.33	C20X20 (E0)	C20X20 (E0)		3	
Cubierta	C15	683	Column	3.33	C20X20 (E0)	C20X20 (E0)		3	
Cubierta	C16	591	Column	3.33	C20X20 (E0)	C20X20 (E0)		3	
Cubierta	C17	104	Column	3.33	C50X50 P3	C50X50 P3	90	3	
Cubierta	C18	105	Column	3.33	C50X50 P3	C50X50 P3	90	3	
Cubierta	C19	603	Column	3.33	C20X20 (E0)	C20X20 (E0)		3	
Cubierta	C20	618	Column	3.33	C20X20 (E0)	C20X20 (E0)		3	
Cubierta	C21	602	Column	3.33	C20X20 (E0)	C20X20 (E0)		3	
Cubierta	C22	617	Column	3.33	C20X20 (E0)	C20X20 (E0)		3	
Cubierta	C23	98	Column	3.33	C50X50 P3	C50X50 P3	90	3	
Cubierta	C24	99	Column	3.33	C50X50 P3	C50X50 P3	90	3	
Cubierta	C25	100	Column	3.33	C50X50 P3	C50X50 P3	90	3	
Cubierta	C26	101	Column	3.33	C50X50 P3	C50X50 P3	90	3	
Cubierta	C27	601	Column	3.33	C20X20 (E0)	C20X20 (E0)		3	
Cubierta	C28	616	Column	3.33	C20X20 (E0)	C20X20 (E0)		3	
Cubierta	C29	600	Column	3.33	C20X20 (E0)	C20X20 (E0)		3	
Cubierta	C30	615	Column	3.33	C20X20 (E0)	C20X20 (E0)		3	
Cubierta	C31	599	Column	3.33	C20X20 (E0)	C20X20 (E0)		3	
Cubierta	C32	607	Column	3.33	C20X20 (E0)	C20X20 (E0)		3	
Cubierta	C33	598	Column	3.33	C20X20 (E0)	C20X20 (E0)		3	
Cubierta	C34	606	Column	3.33	C20X20 (E0)	C20X20 (E0)		3	
Cubierta	C35	94	Column	3.33	C50X50 P3	C50X50 P3	90	3	
Cubierta	C36	95	Column	3.33	C50X50 P3	C50X50 P3	90	3	
Cubierta	C37	96	Column	3.33	C50X50 P3	C50X50 P3	90	3	
Cubierta	C38	97	Column	3.33	C50X50 P3	C50X50 P3	90	3	
Cubierta	C39	597	Column	3.33	C20X20 (E0)	C20X20 (E0)		3	
Cubierta	C40	605	Column	3.33	C20X20 (E0)	C20X20 (E0)		3	
Cubierta	C41	596	Column	3.33	C20X20 (E0)	C20X20 (E0)		3	
Cubierta	C42	604	Column	3.33	C20X20 (E0)	C20X20 (E0)		3	
Cubierta	C43	90	Column	3.33	C50X50 P3	C50X50 P3	90	3	
Cubierta	C44	91	Column	3.33	C50X50 P3	C50X50 P3	90	3	

Table 3.1 - Frame Assignments - Summary (continued)

Story	Label	UniqueName	Design Type	Length m	Analysis Section	Design Section	Axis Angle deg	Min Number Stations	Releases
Cubierta	C45	592	Column	3.33	C20X20 (E0)	C20X20 (E0)		3	
Cubierta	C46	594	Column	3.33	C20X20 (E0)	C20X20 (E0)		3	
Cubierta	C47	595	Column	3.33	C20X20 (E0)	C20X20 (E0)		3	
Cubierta	C48	593	Column	3.33	C20X20 (E0)	C20X20 (E0)		3	
Cubierta	C49	92	Column	3.33	C50X50 P3	C50X50 P3	90	3	
Cubierta	C50	93	Column	3.33	C50X50 P3	C50X50 P3	90	3	
Cubierta	C51	86	Column	3.33	C50X50 P3	C50X50 P3	90	3	
Cubierta	C52	87	Column	3.33	C50X50 P3	C50X50 P3	90	3	
Cubierta	C53	88	Column	3.33	C50X50 P3	C50X50 P3	90	3	
Piso 3	B2	427	Beam	0.76	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 3	B3	432	Beam	0.76	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 3	B4	435	Beam	1.25	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	Yes
Piso 3	B5	436	Beam	6.45	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	Yes
Piso 3	B6	437	Beam	1	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	Yes
Piso 3	B7	444	Beam	1.44	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 3	B8	446	Beam	1.44	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 3	B9	448	Beam	1.85	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	Yes
Piso 3	B13	451	Beam	1.5	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	Yes
Piso 3	B14	428	Beam	3.17	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 3	B15	433	Beam	3.17	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 3	B17	440	Beam	1.73	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	
Piso 3	B18	445	Beam	1.73	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 3	B19	447	Beam	1.73	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 3	B20	441	Beam	1.73	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	
Piso 3	B23	337	Beam	1.35	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 3	B24	456	Beam	2.73	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 3	B26	457	Beam	1.85	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 3	B27	411	Beam	1.25	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 3	B29	423	Beam	6.45	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 3	B30	424	Beam	1	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 3	B31	458	Beam	1.5	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 3	B33	459	Beam	3.24	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 3	B34	344	Beam	0.98	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 3	B35	661	Beam	3.87	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 3	B36	338	Beam	3.87	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	Yes
Piso 3	B37	461	Beam	5.52	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	Yes
Piso 3	B38	358	Beam	5.52	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 3	B39	438	Beam	5.52	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	Yes
Piso 3	B40	364	Beam	5.52	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 3	B41	369	Beam	5.52	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 3	B42	439	Beam	5.52	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	Yes
Piso 3	B45	460	Beam	3.24	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	Yes
Piso 3	B46	349	Beam	0.98	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	Yes
Piso 3	B47	662	Beam	1.65	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 3	B48	347	Beam	1.65	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	Yes
Piso 3	B49	336	Beam	1.35	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 3	B50	452	Beam	2.73	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 3	B52	453	Beam	1.85	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	

Table 3.1 - Frame Assignments - Summary (continued)

Story	Label	UniqueName	Design Type	Length m	Analysis Section	Design Section	Axis Angle deg	Min Number Stations	Releases
Piso 3	B56	407	Beam	8.7	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 3	B59	454	Beam	1.5	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 3	B61	455	Beam	3.24	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 3	B62	343	Beam	0.98	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 3	B69	462	Beam	4.19	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	Yes
Piso 3	B70	359	Beam	4.19	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 3	B71	365	Beam	4.19	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 3	B72	370	Beam	4.19	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 3	B73	375	Beam	4.19	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 3	B74	477	Beam	4.19	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	Yes
Piso 3	B81	335	Beam	1.35	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 3	B82	385	Beam	2.9	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 3	B83	386	Beam	1.68	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 3	B84	491	Beam	2.18	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 3	B85	677	Beam	1.44	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 3	B87	678	Beam	1.44	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 3	B90	679	Beam	1.44	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 3	B91	495	Beam	2.2	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 3	B92	352	Beam	4.74	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 3	B93	342	Beam	0.98	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 3	B96	723	Beam	1.92	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	Yes
Piso 3	B97	731	Beam	1.92	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	Yes
Piso 3	B98	474	Beam	2.15	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	Yes
Piso 3	B99	387	Beam	2.15	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 3	B101	473	Beam	1.68	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	Yes
Piso 3	B102	463	Beam	4.75	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	Yes
Piso 3	B103	360	Beam	4.75	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 3	B104	371	Beam	4.75	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 3	B105	376	Beam	4.75	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 3	B106	476	Beam	4.75	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	Yes
Piso 3	B107	724	Beam	1.92	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	
Piso 3	B108	732	Beam	2.24	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	
Piso 3	B111	475	Beam	2.6	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	Yes
Piso 3	B112	388	Beam	2.6	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 3	B113	725	Beam	0.91	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	Yes
Piso 3	B114	733	Beam	0.59	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	Yes
Piso 3	B115	334	Beam	1.35	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 3	B116	383	Beam	2.9	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 3	B117	384	Beam	1.68	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 3	B118	399	Beam	2.18	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 3	B120	402	Beam	2.2	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 3	B121	389	Beam	2.84	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 3	B123	390	Beam	1.9	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 3	B124	341	Beam	0.98	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 3	B125	726	Beam	1.01	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	Yes
Piso 3	B126	734	Beam	1.01	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	Yes
Piso 3	B127	464	Beam	2.88	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	Yes
Piso 3	B128	466	Beam	2.88	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	

Table 3.1 - Frame Assignments - Summary (continued)

Story	Label	UniqueName	Design Type	Length m	Analysis Section	Design Section	Axis Angle deg	Min Number Stations	Releases
Piso 3	B129	468	Beam	2.88	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 3	B130	727	Beam	1.92	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	
Piso 3	B131	735	Beam	1.92	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	
Piso 3	B132	379	Beam	4.84	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 3	B133	381	Beam	4.84	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 3	B134	470	Beam	1.35	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	
Piso 3	B135	471	Beam	4.58	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	Yes
Piso 3	B139	472	Beam	7.34	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	Yes
Piso 3	B140	728	Beam	1.92	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	
Piso 3	B141	736	Beam	1.92	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	
Piso 3	B144	467	Beam	4.46	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 3	B145	469	Beam	4.46	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 3	B146	729	Beam	1.92	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	
Piso 3	B147	737	Beam	1.92	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	
Piso 3	B148	380	Beam	2.5	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 3	B149	382	Beam	2.5	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 3	B150	730	Beam	0.57	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	Yes
Piso 3	B151	738	Beam	0.57	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	Yes
Piso 3	B153	350	Beam	4.58	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 3	B154	398	Beam	2.18	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 3	B156	401	Beam	2.2	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 3	B157	351	Beam	4.74	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 3	B158	340	Beam	0.98	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 3	B159	717	Beam	1.35	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	Yes
Piso 3	B160	720	Beam	1.35	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	Yes
Piso 3	B161	718	Beam	1.92	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	
Piso 3	B162	721	Beam	1.92	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	
Piso 3	B164	362	Beam	5.19	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 3	B165	367	Beam	5.19	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 3	B166	372	Beam	5.19	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 3	B167	377	Beam	5.19	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 3	B168	465	Beam	5.19	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	Yes
Piso 3	B169	719	Beam	1.92	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	Yes
Piso 3	B170	722	Beam	1.92	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	Yes
Piso 3	B171	326	Beam	1.35	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 3	B172	348	Beam	4.58	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 3	B173	404	Beam	2.18	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 3	B174	714	Beam	1.44	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 3	B176	715	Beam	1.44	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 3	B179	716	Beam	1.44	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 3	B180	406	Beam	2.2	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 3	B181	361	Beam	3.86	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 3	B183	366	Beam	0.88	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 3	B184	339	Beam	0.98	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 3	B188	394	Beam	2.16	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	Yes
Piso 3	B189	355	Beam	2.16	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 3	B190	450	Beam	2.16	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	Yes
Piso 3	B193	354	Beam	4.2	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	Yes

Table 3.1 - Frame Assignments - Summary (continued)

Story	Label	UniqueName	Design Type	Length m	Analysis Section	Design Section	Axis Angle deg	Min Number Stations	Releases
Piso 3	B194	363	Beam	4.2	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 3	B195	368	Beam	4.2	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 3	B196	373	Beam	4.2	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 3	B199	397	Beam	3.86	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	Yes
Piso 3	B201	410	Beam	0.88	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	Yes
Piso 3	B202	434	Beam	0.98	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	
Piso 3	B205	396	Beam	2.04	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	
Piso 3	B206	324	Beam	1.35	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 3	B207	345	Beam	4.58	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 3	B210	346	Beam	8.7	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 3	B213	356	Beam	3.86	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 3	B216	391	Beam	2.07	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 3	B217	393	Beam	2.07	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 3	B218	395	Beam	2.07	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 3	B219	392	Beam	2.07	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	
Piso 3	B229	242	Beam	4.58	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	Yes
Piso 3	B231	309	Beam	8.7	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	Yes
Piso 3	B233	333	Beam	3.86	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	Yes
Piso 3	C1	413	Column	3.46	C50X60 SO	C50X60 SO	90	3	
Piso 3	C2	417	Column	3.46	C50X60 SO	C50X60 SO	90	3	
Piso 3	C3	82	Column	3.46	C50X60 P2	C50X60 P2	90	3	
Piso 3	C4	83	Column	3.46	C50X60 P2	C50X60 P2	90	3	
Piso 3	C5	84	Column	3.46	C50X60 P2	C50X60 P2	90	3	
Piso 3	C6	85	Column	3.46	C50X60 P2	C50X60 P2	90	3	
Piso 3	C7	78	Column	3.46	C50X60 P2	C50X60 P2	90	3	
Piso 3	C8	79	Column	3.46	C50X60 P2	C50X60 P2	90	3	
Piso 3	C9	80	Column	3.46	C50X60 P2	C50X60 P2	90	3	
Piso 3	C10	81	Column	3.46	C50X60 P2	C50X60 P2	90	3	
Piso 3	C11	74	Column	3.46	C50X60 P2	C50X60 P2	90	3	
Piso 3	C12	75	Column	3.46	C50X60 P2	C50X60 P2	90	3	
Piso 3	C13	623	Column	3.46	C20X20 (E0)	C20X20 (E0)		3	
Piso 3	C16	626	Column	3.46	C20X20 (E0)	C20X20 (E0)		3	
Piso 3	C17	76	Column	3.46	C50X60 P2	C50X60 P2	90	3	
Piso 3	C18	77	Column	3.46	C50X60 P2	C50X60 P2	90	3	
Piso 3	C19	668	Column	3.46	C20X20 (E0)	C20X20 (E0)		3	
Piso 3	C20	676	Column	3.46	C20X20 (E0)	C20X20 (E0)		3	
Piso 3	C21	667	Column	3.46	C20X20 (E0)	C20X20 (E0)		3	
Piso 3	C22	675	Column	3.46	C20X20 (E0)	C20X20 (E0)		3	
Piso 3	C23	70	Column	3.46	C50X60 P2	C50X60 P2	90	3	
Piso 3	C24	71	Column	3.46	C50X60 P2	C50X60 P2	90	3	
Piso 3	C25	72	Column	3.46	C50X60 P2	C50X60 P2	90	3	
Piso 3	C26	73	Column	3.46	C50X60 P2	C50X60 P2	90	3	
Piso 3	C27	666	Column	3.46	C20X20 (E0)	C20X20 (E0)		3	
Piso 3	C28	674	Column	3.46	C20X20 (E0)	C20X20 (E0)		3	
Piso 3	C29	665	Column	3.46	C20X20 (E0)	C20X20 (E0)		3	
Piso 3	C30	673	Column	3.46	C20X20 (E0)	C20X20 (E0)		3	
Piso 3	C31	653	Column	3.46	C20X20 (E0)	C20X20 (E0)		3	
Piso 3	C32	672	Column	3.46	C20X20 (E0)	C20X20 (E0)		3	

Table 3.1 - Frame Assignments - Summary (continued)

Story	Label	UniqueName	Design Type	Length m	Analysis Section	Design Section	Axis Angle deg	Min Number Stations	Releases
Piso 3	C33	651	Column	3.46	C20X20 (E0)	C20X20 (E0)		3	
Piso 3	C34	671	Column	3.46	C20X20 (E0)	C20X20 (E0)		3	
Piso 3	C35	66	Column	3.46	C50X60 P2	C50X60 P2	90	3	
Piso 3	C36	67	Column	3.46	C50X60 P2	C50X60 P2	90	3	
Piso 3	C37	68	Column	3.46	C50X60 P2	C50X60 P2	90	3	
Piso 3	C38	69	Column	3.46	C50X60 P2	C50X60 P2	90	3	
Piso 3	C39	650	Column	3.46	C20X20 (E0)	C20X20 (E0)		3	
Piso 3	C40	670	Column	3.46	C20X20 (E0)	C20X20 (E0)		3	
Piso 3	C41	646	Column	3.46	C20X20 (E0)	C20X20 (E0)		3	
Piso 3	C42	669	Column	3.46	C20X20 (E0)	C20X20 (E0)		3	
Piso 3	C43	62	Column	3.46	C50X60 P2	C50X60 P2	90	3	
Piso 3	C44	63	Column	3.46	C50X60 P2	C50X60 P2	90	3	
Piso 3	C45	632	Column	3.46	C20X20 (E0)	C20X20 (E0)		3	
Piso 3	C46	642	Column	3.46	C20X20 (E0)	C20X20 (E0)		3	
Piso 3	C47	644	Column	3.46	C20X20 (E0)	C20X20 (E0)		3	
Piso 3	C48	641	Column	3.46	C20X20 (E0)	C20X20 (E0)		3	
Piso 3	C49	64	Column	3.46	C50X60 P2	C50X60 P2	90	3	
Piso 3	C50	65	Column	3.46	C50X60 P2	C50X60 P2	90	3	
Piso 3	C51	58	Column	3.46	C50X60 P2	C50X60 P2	90	3	
Piso 3	C52	59	Column	3.46	C50X60 P2	C50X60 P2	90	3	
Piso 3	C53	60	Column	3.46	C50X60 P2	C50X60 P2	90	3	
Piso 3	C55	680	Column	3.46	C20X20 (E0)	C20X20 (E0)		3	
Piso 3	C56	681	Column	3.46	C20X20 (E0)	C20X20 (E0)		3	
Piso 2	B16	310	Beam	8.7	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	Yes
Piso 2	B21	429	Beam	1.3	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 2	B22	430	Beam	1.3	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 2	B23	217	Beam	1.35	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 2	B25	244	Beam	4.58	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 2	B28	245	Beam	8.7	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 2	B32	246	Beam	4.74	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 2	B34	224	Beam	0.98	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 2	B37	286	Beam	5.52	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	Yes
Piso 2	B38	247	Beam	5.52	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 2	B40	253	Beam	5.52	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 2	B41	258	Beam	5.52	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 2	B43	263	Beam	5.52	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 2	B44	291	Beam	5.52	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	Yes
Piso 2	B49	216	Beam	1.35	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 2	B51	241	Beam	4.58	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 2	B53	316	Beam	2.18	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 2	B55	317	Beam	4.32	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 2	B58	318	Beam	2.2	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 2	B60	243	Beam	4.74	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 2	B62	223	Beam	0.98	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 2	B65	745	Beam	2.1	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	Yes
Piso 2	B66	755	Beam	2.1	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	Yes
Piso 2	B69	285	Beam	4.19	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	Yes
Piso 2	B70	248	Beam	4.19	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	

Table 3.1 - Frame Assignments - Summary (continued)

Story	Label	UniqueName	Design Type	Length m	Analysis Section	Design Section	Axis Angle deg	Min Number Stations	Releases
Piso 2	B71	254	Beam	4.19	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 2	B72	259	Beam	4.19	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 2	B73	264	Beam	4.19	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 2	B74	290	Beam	4.19	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	Yes
Piso 2	B79	746	Beam	2.09	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	Yes
Piso 2	B80	756	Beam	2.09	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	Yes
Piso 2	B81	215	Beam	1.35	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 2	B82	275	Beam	2.9	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 2	B83	276	Beam	1.68	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 2	B84	304	Beam	2.18	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 2	B91	308	Beam	2.2	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 2	B92	240	Beam	4.74	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 2	B93	222	Beam	0.98	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 2	B96	747	Beam	1.92	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	Yes
Piso 2	B97	757	Beam	1.92	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	Yes
Piso 2	B98	238	Beam	2.15	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	Yes
Piso 2	B99	277	Beam	2.15	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 2	B101	236	Beam	1.68	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	Yes
Piso 2	B102	284	Beam	4.75	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	Yes
Piso 2	B103	249	Beam	4.75	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 2	B104	260	Beam	4.75	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 2	B105	265	Beam	4.75	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 2	B106	289	Beam	4.75	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	Yes
Piso 2	B107	748	Beam	1.92	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	
Piso 2	B108	758	Beam	2.24	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	
Piso 2	B111	239	Beam	2.6	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	Yes
Piso 2	B112	278	Beam	2.6	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 2	B113	749	Beam	0.91	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	Yes
Piso 2	B114	759	Beam	0.59	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	Yes
Piso 2	B115	214	Beam	1.35	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 2	B116	273	Beam	2.9	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 2	B117	274	Beam	1.68	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 2	B118	298	Beam	2.18	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 2	B120	307	Beam	2.2	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 2	B121	279	Beam	2.84	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 2	B123	280	Beam	1.9	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 2	B124	221	Beam	0.98	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 2	B125	750	Beam	1.01	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	Yes
Piso 2	B126	760	Beam	1.01	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	Yes
Piso 2	B130	751	Beam	1.92	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	
Piso 2	B131	761	Beam	1.92	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	
Piso 2	B132	269	Beam	4.84	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 2	B133	271	Beam	4.84	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 2	B136	283	Beam	7.34	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	Yes
Piso 2	B137	250	Beam	7.34	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 2	B138	255	Beam	7.34	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 2	B140	752	Beam	1.92	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	
Piso 2	B141	762	Beam	1.92	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	

Table 3.1 - Frame Assignments - Summary (continued)

Story	Label	UniqueName	Design Type	Length m	Analysis Section	Design Section	Axis Angle deg	Min Number Stations	Releases
Piso 2	B142	294	Beam	2.84	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	Yes
Piso 2	B143	295	Beam	1.9	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	Yes
Piso 2	B146	753	Beam	1.92	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	
Piso 2	B147	763	Beam	1.92	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	
Piso 2	B148	270	Beam	2.5	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 2	B149	272	Beam	2.5	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 2	B150	754	Beam	0.57	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	Yes
Piso 2	B151	764	Beam	0.57	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	Yes
Piso 2	B152	213	Beam	1.35	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 2	B153	235	Beam	4.58	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 2	B154	297	Beam	2.18	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 2	B156	305	Beam	2.2	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 2	B157	237	Beam	4.74	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 2	B158	220	Beam	0.98	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 2	B159	739	Beam	1.35	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	Yes
Piso 2	B160	742	Beam	1.35	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	Yes
Piso 2	B161	740	Beam	1.92	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	
Piso 2	B162	743	Beam	1.92	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	
Piso 2	B163	282	Beam	5.19	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	Yes
Piso 2	B164	251	Beam	5.19	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 2	B165	256	Beam	5.19	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 2	B166	261	Beam	5.19	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 2	B167	266	Beam	5.19	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 2	B168	288	Beam	5.19	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	Yes
Piso 2	B169	741	Beam	1.92	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	Yes
Piso 2	B170	744	Beam	1.92	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	Yes
Piso 2	B171	189	Beam	1.35	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 2	B172	232	Beam	4.58	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 2	B173	313	Beam	2.18	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 2	B174	499	Beam	1.44	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 2	B176	502	Beam	1.44	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 2	B179	534	Beam	1.44	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 2	B180	315	Beam	2.2	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 2	B182	234	Beam	4.74	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 2	B184	219	Beam	0.98	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 2	B193	320	Beam	4.2	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	Yes
Piso 2	B194	252	Beam	4.2	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 2	B195	257	Beam	4.2	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 2	B196	262	Beam	4.2	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 2	B197	267	Beam	4.2	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 2	B198	287	Beam	4.2	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	Yes
Piso 2	B206	135	Beam	1.35	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 2	B207	229	Beam	4.58	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 2	B209	312	Beam	5.95	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 2	B212	314	Beam	2.75	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 2	B214	231	Beam	4.74	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 2	B215	218	Beam	0.98	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 2	B216	292	Beam	2.07	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	

Table 3.1 - Frame Assignments - Summary (continued)

Story	Label	UniqueName	Design Type	Length m	Analysis Section	Design Section	Axis Angle deg	Min Number Stations	Releases
Piso 2	B217	299	Beam	2.07	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 2	B218	301	Beam	2.07	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 2	B220	293	Beam	2.07	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 2	B221	319	Beam	2.07	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	Yes
Piso 2	B225	228	Beam	3.09	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	Yes
Piso 2	B229	303	Beam	4.58	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	Yes
Piso 2	B234	306	Beam	4.74	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	Yes
Piso 2	B235	322	Beam	0.98	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	
Piso 2	B236	300	Beam	1.02	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 2	B237	302	Beam	1.02	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 2	B241	296	Beam	8.7	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	Yes
Piso 2	B245	225	Beam	0.6	V30X40 (18.2Mpa)	V30X40 (18.2Mpa)		3	
Piso 2	B246	226	Beam	0.6	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	
Piso 2	B247	227	Beam	5.95	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	Yes
Piso 2	B248	114	Beam	1.44	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	Yes
Piso 2	B249	268	Beam	1.44	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	
Piso 2	B250	281	Beam	1.44	VT20X40 (18.2MPa)	VT20X40 (18.2MPa)		3	Yes
Piso 2	C1	415	Column	3.34	C50X60 SO	C50X60 SO	90	3	
Piso 2	C2	419	Column	3.34	C50X60 SO	C50X60 SO	90	3	
Piso 2	C3	54	Column	3.34	C50X60 P1	C50X60 P1	90	3	
Piso 2	C4	55	Column	3.34	C50X60 P1	C50X60 P1	90	3	
Piso 2	C5	56	Column	3.34	C50X60 P1	C50X60 P1	90	3	
Piso 2	C6	57	Column	3.34	C50X60 P1	C50X60 P1	90	3	
Piso 2	C7	50	Column	3.34	C50X60 P1	C50X60 P1	90	3	
Piso 2	C8	51	Column	3.34	C50X60 P1	C50X60 P1	90	3	
Piso 2	C9	52	Column	3.34	C50X60 P1	C50X60 P1	90	3	
Piso 2	C10	53	Column	3.34	C50X60 P1	C50X60 P1	90	3	
Piso 2	C11	46	Column	3.34	C50X60 P1	C50X60 P1	90	3	
Piso 2	C12	47	Column	3.34	C50X60 P1	C50X60 P1	90	3	
Piso 2	C13	61	Column	3.34	C20X20 (E0)	C20X20 (E0)		3	
Piso 2	C16	478	Column	3.34	C20X20 (E0)	C20X20 (E0)		3	
Piso 2	C17	48	Column	3.34	C50X60 P1	C50X60 P1	90	3	
Piso 2	C18	49	Column	3.34	C50X60 P1	C50X60 P1	90	3	
Piso 2	C19	582	Column	3.34	C20X20 (E0)	C20X20 (E0)		3	
Piso 2	C20	589	Column	3.34	C20X20 (E0)	C20X20 (E0)		3	
Piso 2	C21	581	Column	3.34	C20X20 (E0)	C20X20 (E0)		3	
Piso 2	C22	588	Column	3.34	C20X20 (E0)	C20X20 (E0)		3	
Piso 2	C23	42	Column	3.34	C50X60 P1	C50X60 P1	90	3	
Piso 2	C24	43	Column	3.34	C50X60 P1	C50X60 P1	90	3	
Piso 2	C25	44	Column	3.34	C50X60 P1	C50X60 P1	90	3	
Piso 2	C26	45	Column	3.34	C50X60 P1	C50X60 P1	90	3	
Piso 2	C27	580	Column	3.34	C20X20 (E0)	C20X20 (E0)		3	
Piso 2	C28	587	Column	3.34	C20X20 (E0)	C20X20 (E0)		3	
Piso 2	C29	579	Column	3.34	C20X20 (E0)	C20X20 (E0)		3	
Piso 2	C30	586	Column	3.34	C20X20 (E0)	C20X20 (E0)		3	
Piso 2	C31	578	Column	3.34	C20X20 (E0)	C20X20 (E0)		3	
Piso 2	C32	585	Column	3.34	C20X20 (E0)	C20X20 (E0)		3	
Piso 2	C33	577	Column	3.34	C20X20 (E0)	C20X20 (E0)		3	

Table 3.1 - Frame Assignments - Summary (continued)

Story	Label	UniqueName	Design Type	Length m	Analysis Section	Design Section	Axis Angle deg	Min Number Stations	Releases
Piso 2	C34	584	Column	3.34	C20X20 (E0)	C20X20 (E0)		3	
Piso 2	C35	38	Column	3.34	C50X60 P1	C50X60 P1	90	3	
Piso 2	C36	39	Column	3.34	C50X60 P1	C50X60 P1	90	3	
Piso 2	C37	40	Column	3.34	C50X60 P1	C50X60 P1	90	3	
Piso 2	C38	41	Column	3.34	C50X60 P1	C50X60 P1	90	3	
Piso 2	C39	576	Column	3.34	C20X20 (E0)	C20X20 (E0)		3	
Piso 2	C40	583	Column	3.34	C20X20 (E0)	C20X20 (E0)		3	
Piso 2	C41	575	Column	3.34	C20X20 (E0)	C20X20 (E0)		3	
Piso 2	C42	574	Column	3.34	C20X20 (E0)	C20X20 (E0)		3	
Piso 2	C43	34	Column	3.34	C50X60 P1	C50X60 P1	90	3	
Piso 2	C44	35	Column	3.34	C50X60 P1	C50X60 P1	90	3	
Piso 2	C45	480	Column	3.34	C20X20 (E0)	C20X20 (E0)		3	
Piso 2	C46	539	Column	3.34	C20X20 (E0)	C20X20 (E0)		3	
Piso 2	C47	542	Column	3.34	C20X20 (E0)	C20X20 (E0)		3	
Piso 2	C48	497	Column	3.34	C20X20 (E0)	C20X20 (E0)		3	
Piso 2	C49	36	Column	3.34	C50X60 P1	C50X60 P1	90	3	
Piso 2	C50	37	Column	3.34	C50X60 P1	C50X60 P1	90	3	
Piso 2	C51	30	Column	3.34	C50X60 P1	C50X60 P1	90	3	
Piso 2	C52	31	Column	3.34	C50X60 P1	C50X60 P1	90	3	
Piso 2	C53	32	Column	3.34	C50X60 P1	C50X60 P1	90	3	
Piso 2	C54	33	Column	3.34	C50X60 P1	C50X60 P1	90	3	
Piso 1	B23	126	Beam	1.35	V40X40 (18Mpa)	V40X40 (18Mpa)		3	
Piso 1	B25	178	Beam	4.58	V40X40 (18Mpa)	V40X40 (18Mpa)		3	
Piso 1	B28	179	Beam	8.7	V40X40 (18Mpa)	V40X40 (18Mpa)		3	
Piso 1	B32	180	Beam	4.74	V40X40 (18Mpa)	V40X40 (18Mpa)		3	
Piso 1	B34	133	Beam	0.98	V40X40 (18Mpa)	V40X40 (18Mpa)		3	
Piso 1	B37	152	Beam	5.52	VT20X40 (18 MPa)	VT20X40 (18 MPa)		3	Yes
Piso 1	B38	181	Beam	5.52	V30X40 (18Mpa)	V30X40 (18Mpa)		3	
Piso 1	B40	187	Beam	5.52	V30X40 (18Mpa)	V30X40 (18Mpa)		3	
Piso 1	B41	193	Beam	5.52	V30X40 (18Mpa)	V30X40 (18Mpa)		3	
Piso 1	B43	199	Beam	5.52	V30X40 (18Mpa)	V30X40 (18Mpa)		3	
Piso 1	B44	151	Beam	5.52	VT20X40 (18 MPa)	VT20X40 (18 MPa)		3	Yes
Piso 1	B49	125	Beam	1.35	V40X40 (18Mpa)	V40X40 (18Mpa)		3	
Piso 1	B51	175	Beam	4.58	V40X40 (18Mpa)	V40X40 (18Mpa)		3	
Piso 1	B56	176	Beam	8.7	V40X40 (18Mpa)	V40X40 (18Mpa)		3	
Piso 1	B60	177	Beam	4.74	V40X40 (18Mpa)	V40X40 (18Mpa)		3	
Piso 1	B62	132	Beam	0.98	V40X40 (18Mpa)	V40X40 (18Mpa)		3	
Piso 1	B69	153	Beam	4.19	VT20X40 (18 MPa)	VT20X40 (18 MPa)		3	Yes
Piso 1	B70	182	Beam	4.19	V30X40 (18Mpa)	V30X40 (18Mpa)		3	
Piso 1	B71	188	Beam	4.19	V30X40 (18Mpa)	V30X40 (18Mpa)		3	
Piso 1	B72	194	Beam	4.19	V30X40 (18Mpa)	V30X40 (18Mpa)		3	
Piso 1	B73	200	Beam	4.19	V30X40 (18Mpa)	V30X40 (18Mpa)		3	
Piso 1	B74	150	Beam	4.19	VT20X40 (18 MPa)	VT20X40 (18 MPa)		3	Yes
Piso 1	B81	124	Beam	1.35	V40X40 (18Mpa)	V40X40 (18Mpa)		3	
Piso 1	B82	202	Beam	2.9	V40X40 (18Mpa)	V40X40 (18Mpa)		3	
Piso 1	B83	206	Beam	1.68	V40X40 (18Mpa)	V40X40 (18Mpa)		3	
Piso 1	B88	173	Beam	8.7	V40X40 (18Mpa)	V40X40 (18Mpa)		3	
Piso 1	B92	174	Beam	4.74	V40X40 (18Mpa)	V40X40 (18Mpa)		3	

Table 3.1 - Frame Assignments - Summary (continued)

Story	Label	UniqueName	Design Type	Length m	Analysis Section	Design Section	Axis Angle deg	Min Number Stations	Releases
Piso 1	B93	131	Beam	0.98	V40X40 (18Mpa)	V40X40 (18Mpa)		3	
Piso 1	B98	209	Beam	2.15	VT20X40 (18 MPa)	VT20X40 (18 MPa)		3	Yes
Piso 1	B99	211	Beam	2.15	V30X40 (18Mpa)	V30X40 (18Mpa)		3	
Piso 1	B101	208	Beam	1.68	VT20X40 (18 MPa)	VT20X40 (18 MPa)		3	Yes
Piso 1	B102	154	Beam	4.75	VT20X40 (18 MPa)	VT20X40 (18 MPa)		3	Yes
Piso 1	B103	183	Beam	4.75	V30X40 (18Mpa)	V30X40 (18Mpa)		3	
Piso 1	B104	195	Beam	4.75	V30X40 (18Mpa)	V30X40 (18Mpa)		3	
Piso 1	B105	201	Beam	4.75	V30X40 (18Mpa)	V30X40 (18Mpa)		3	
Piso 1	B106	149	Beam	4.75	VT20X40 (18 MPa)	VT20X40 (18 MPa)		3	Yes
Piso 1	B111	210	Beam	2.6	VT20X40 (18 MPa)	VT20X40 (18 MPa)		3	Yes
Piso 1	B112	212	Beam	2.6	V30X40 (18Mpa)	V30X40 (18Mpa)		3	
Piso 1	B115	123	Beam	1.35	V40X40 (18Mpa)	V40X40 (18Mpa)		3	
Piso 1	B116	134	Beam	2.9	V40X40 (18Mpa)	V40X40 (18Mpa)		3	
Piso 1	B117	196	Beam	1.68	V40X40 (18Mpa)	V40X40 (18Mpa)		3	
Piso 1	B119	170	Beam	8.7	V40X40 (18Mpa)	V40X40 (18Mpa)		3	
Piso 1	B121	148	Beam	2.84	V40X40 (18Mpa)	V40X40 (18Mpa)		3	
Piso 1	B123	169	Beam	1.9	V40X40 (18Mpa)	V40X40 (18Mpa)		3	
Piso 1	B124	130	Beam	0.98	V40X40 (18Mpa)	V40X40 (18Mpa)		3	
Piso 1	B132	136	Beam	4.84	V30X40 (18Mpa)	V30X40 (18Mpa)		3	
Piso 1	B133	138	Beam	4.84	V30X40 (18Mpa)	V30X40 (18Mpa)		3	
Piso 1	B136	155	Beam	7.34	VT20X40 (18 MPa)	VT20X40 (18 MPa)		3	Yes
Piso 1	B137	184	Beam	7.34	V30X40 (18Mpa)	V30X40 (18Mpa)		3	
Piso 1	B138	190	Beam	7.34	V30X40 (18Mpa)	V30X40 (18Mpa)		3	
Piso 1	B142	171	Beam	2.84	VT20X40 (18 MPa)	VT20X40 (18 MPa)		3	Yes
Piso 1	B143	172	Beam	1.9	VT20X40 (18 MPa)	VT20X40 (18 MPa)		3	Yes
Piso 1	B148	137	Beam	2.5	V30X40 (18Mpa)	V30X40 (18Mpa)		3	
Piso 1	B149	143	Beam	2.5	V30X40 (18Mpa)	V30X40 (18Mpa)		3	
Piso 1	B152	122	Beam	1.35	V40X40 (18Mpa)	V40X40 (18Mpa)		3	
Piso 1	B153	166	Beam	4.58	V40X40 (18Mpa)	V40X40 (18Mpa)		3	
Piso 1	B155	167	Beam	8.7	V40X40 (18Mpa)	V40X40 (18Mpa)		3	
Piso 1	B157	168	Beam	4.74	V40X40 (18Mpa)	V40X40 (18Mpa)		3	
Piso 1	B158	129	Beam	0.98	V40X40 (18Mpa)	V40X40 (18Mpa)		3	
Piso 1	B163	156	Beam	5.19	VT20X40 (18 MPa)	VT20X40 (18 MPa)		3	Yes
Piso 1	B164	185	Beam	5.19	V30X40 (18Mpa)	V30X40 (18Mpa)		3	
Piso 1	B165	191	Beam	5.19	V30X40 (18Mpa)	V30X40 (18Mpa)		3	
Piso 1	B166	197	Beam	5.19	V30X40 (18Mpa)	V30X40 (18Mpa)		3	
Piso 1	B167	203	Beam	5.19	V30X40 (18Mpa)	V30X40 (18Mpa)		3	
Piso 1	B168	147	Beam	5.19	VT20X40 (18 MPa)	VT20X40 (18 MPa)		3	Yes
Piso 1	B171	121	Beam	1.35	V40X40 (18Mpa)	V40X40 (18Mpa)		3	
Piso 1	B172	163	Beam	4.58	V40X40 (18Mpa)	V40X40 (18Mpa)		3	
Piso 1	B177	164	Beam	8.7	V40X40 (18Mpa)	V40X40 (18Mpa)		3	
Piso 1	B182	165	Beam	4.74	V40X40 (18Mpa)	V40X40 (18Mpa)		3	
Piso 1	B184	128	Beam	0.98	V40X40 (18Mpa)	V40X40 (18Mpa)		3	
Piso 1	B193	157	Beam	4.2	VT20X40 (18 MPa)	VT20X40 (18 MPa)		3	Yes
Piso 1	B194	186	Beam	4.2	V30X40 (18Mpa)	V30X40 (18Mpa)		3	
Piso 1	B195	192	Beam	4.2	V30X40 (18Mpa)	V30X40 (18Mpa)		3	
Piso 1	B196	198	Beam	4.2	V30X40 (18Mpa)	V30X40 (18Mpa)		3	
Piso 1	B197	204	Beam	4.2	V30X40 (18Mpa)	V30X40 (18Mpa)		3	

Table 3.1 - Frame Assignments - Summary (continued)

Story	Label	UniqueName	Design Type	Length m	Analysis Section	Design Section	Axis Angle deg	Min Number Stations	Releases
Piso 1	B198	146	Beam	4.2	VT20X40 (18 MPa)	VT20X40 (18 MPa)		3	Yes
Piso 1	B206	120	Beam	1.35	V40X40 (18Mpa)	V40X40 (18Mpa)		3	
Piso 1	B207	160	Beam	4.58	V40X40 (18Mpa)	V40X40 (18Mpa)		3	
Piso 1	B210	161	Beam	8.7	V40X40 (18Mpa)	V40X40 (18Mpa)		3	
Piso 1	B214	162	Beam	4.74	V40X40 (18Mpa)	V40X40 (18Mpa)		3	
Piso 1	B215	127	Beam	0.98	V40X40 (18Mpa)	V40X40 (18Mpa)		3	
Piso 1	B222	144	Beam	3.09	VT20X40 (18 MPa)	VT20X40 (18 MPa)		3	Yes
Piso 1	B223	139	Beam	3.09	V30X40 (18Mpa)	V30X40 (18Mpa)		3	
Piso 1	B224	140	Beam	3.09	V30X40 (18Mpa)	V30X40 (18Mpa)		3	
Piso 1	B225	115	Beam	3.09	VT20X40 (18 MPa)	VT20X40 (18 MPa)		3	Yes
Piso 1	B226	141	Beam	3.09	V30X40 (18Mpa)	V30X40 (18Mpa)		3	
Piso 1	B227	142	Beam	3.09	V30X40 (18Mpa)	V30X40 (18Mpa)		3	
Piso 1	B228	145	Beam	3.09	VT20X40 (18 MPa)	VT20X40 (18 MPa)		3	Yes
Piso 1	B238	158	Beam	1.35	VT20X40 (18 MPa)	VT20X40 (18 MPa)		3	
Piso 1	B239	205	Beam	4.58	VT20X40 (18 MPa)	VT20X40 (18 MPa)		3	Yes
Piso 1	B240	118	Beam	5.95	VT20X40 (18 MPa)	VT20X40 (18 MPa)		3	Yes
Piso 1	B242	119	Beam	2.75	VT20X40 (18 MPa)	VT20X40 (18 MPa)		3	Yes
Piso 1	B243	207	Beam	4.74	VT20X40 (18 MPa)	VT20X40 (18 MPa)		3	Yes
Piso 1	B244	159	Beam	0.98	VT20X40 (18 MPa)	VT20X40 (18 MPa)		3	
Piso 1	B245	13	Beam	0.6	V30X40 (18Mpa)	V30X40 (18Mpa)		3	
Piso 1	B246	116	Beam	0.6	VT20X40 (18 MPa)	VT20X40 (18 MPa)		3	
Piso 1	B247	117	Beam	5.95	VT20X40 (18 MPa)	VT20X40 (18 MPa)		3	Yes
Piso 1	C1	416	Column	2.95	C50X60 SO	C50X60 SO	90	3	
Piso 1	C2	420	Column	2.95	C50X60 SO	C50X60 SO	90	3	
Piso 1	C3	26	Column	2.95	C50X60 SO	C50X60 SO	90	3	
Piso 1	C4	27	Column	2.95	C50X60 SO	C50X60 SO	90	3	
Piso 1	C5	28	Column	2.95	C50X60 SO	C50X60 SO	90	3	
Piso 1	C6	29	Column	2.95	C50X60 SO	C50X60 SO	90	3	
Piso 1	C7	22	Column	2.95	C50X60 SO	C50X60 SO	90	3	
Piso 1	C8	23	Column	2.95	C50X60 SO	C50X60 SO	90	3	
Piso 1	C9	24	Column	2.95	C50X60 SO	C50X60 SO	90	3	
Piso 1	C10	25	Column	2.95	C50X60 SO	C50X60 SO	90	3	
Piso 1	C11	18	Column	2.95	C50X60 SO	C50X60 SO	90	3	
Piso 1	C12	19	Column	2.95	C50X60 SO	C50X60 SO	90	3	
Piso 1	C17	20	Column	2.95	C50X60 SO	C50X60 SO	90	3	
Piso 1	C18	21	Column	2.95	C50X60 SO	C50X60 SO	90	3	
Piso 1	C23	14	Column	2.95	C50X60 SO	C50X60 SO	90	3	
Piso 1	C24	15	Column	2.95	C50X60 SO	C50X60 SO	90	3	
Piso 1	C25	16	Column	2.95	C50X60 SO	C50X60 SO	90	3	
Piso 1	C26	17	Column	2.95	C50X60 SO	C50X60 SO	90	3	
Piso 1	C35	9	Column	2.95	C50X60 SO	C50X60 SO	90	3	
Piso 1	C36	10	Column	2.95	C50X60 SO	C50X60 SO	90	3	
Piso 1	C37	11	Column	2.95	C50X60 SO	C50X60 SO	90	3	
Piso 1	C38	12	Column	2.95	C50X60 SO	C50X60 SO	90	3	
Piso 1	C43	5	Column	2.95	C50X60 SO	C50X60 SO	90	3	
Piso 1	C44	6	Column	2.95	C50X60 SO	C50X60 SO	90	3	
Piso 1	C49	7	Column	2.95	C50X60 SO	C50X60 SO	90	3	
Piso 1	C50	8	Column	2.95	C50X60 SO	C50X60 SO	90	3	

Table 3.1 - Frame Assignments - Summary (continued)

Story	Label	UniqueName	Design Type	Length m	Analysis Section	Design Section	Axis Angle deg	Min Number Stations	Releases
Piso 1	C51	1	Column	2.95	C50X60 SO	C50X60 SO	90	3	
Piso 1	C52	2	Column	2.95	C50X60 SO	C50X60 SO	90	3	
Piso 1	C53	3	Column	2.95	C50X60 SO	C50X60 SO	90	3	
Piso 1	C54	4	Column	2.95	C50X60 SO	C50X60 SO	90	3	

Table 3.2 - Frame Assignments - Section Properties

Story	Label	UniqueName	Shape	Auto Select List	Section Property
Cubierta	B1	110	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Cubierta	B2	611	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Cubierta	B3	613	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Cubierta	B10	647	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Cubierta	B11	648	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Cubierta	B12	649	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Cubierta	B14	612	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Cubierta	B15	614	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Cubierta	B17	652	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Cubierta	B20	654	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Cubierta	B26	624	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Cubierta	B27	608	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Cubierta	B29	609	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Cubierta	B30	610	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Cubierta	B31	625	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Cubierta	B39	643	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Cubierta	B40	498	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Cubierta	B41	503	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Cubierta	B42	645	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Cubierta	B45	655	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Cubierta	B46	660	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Cubierta	B47	663	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Cubierta	B48	664	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Cubierta	B50	619	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Cubierta	B52	620	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Cubierta	B53	541	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Cubierta	B54	561	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Cubierta	B57	562	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Cubierta	B58	543	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Cubierta	B59	621	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Cubierta	B61	622	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Cubierta	B62	449	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Cubierta	B63	353	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Cubierta	B64	400	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Cubierta	B67	489	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Cubierta	B68	493	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Cubierta	B72	504	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Cubierta	B73	509	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Cubierta	B74	659	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)

Table 3.2 - Frame Assignments - Section Properties (continued)

Story	Label	UniqueName	Shape	Auto Select List	Section Property
Cubierta	B76	546	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Cubierta	B77	374	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Cubierta	B78	421	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Cubierta	B81	378	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Cubierta	B82	519	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Cubierta	B83	520	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Cubierta	B84	488	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Cubierta	B85	710	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Cubierta	B86	711	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Cubierta	B89	712	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Cubierta	B90	713	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Cubierta	B91	490	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Cubierta	B92	486	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Cubierta	B93	443	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Cubierta	B94	558	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Cubierta	B95	230	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Cubierta	B96	690	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Cubierta	B97	698	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Cubierta	B98	483	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Cubierta	B99	521	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Cubierta	B100	557	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Cubierta	B101	481	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Cubierta	B104	505	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Cubierta	B105	510	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Cubierta	B106	658	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Cubierta	B107	691	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Cubierta	B108	699	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Cubierta	B109	559	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Cubierta	B110	311	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Cubierta	B111	487	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Cubierta	B112	522	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Cubierta	B113	692	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Cubierta	B114	700	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Cubierta	B115	357	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Cubierta	B116	517	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Cubierta	B117	518	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Cubierta	B118	533	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Cubierta	B120	536	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Cubierta	B122	523	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Cubierta	B124	442	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Cubierta	B125	693	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Cubierta	B126	701	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Cubierta	B127	544	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Cubierta	B128	627	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Cubierta	B129	629	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Cubierta	B130	694	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Cubierta	B131	702	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Cubierta	B132	513	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)

Table 3.2 - Frame Assignments - Section Properties (continued)

Story	Label	UniqueName	Shape	Auto Select List	Section Property
Cubierta	B133	515	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Cubierta	B134	526	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Cubierta	B135	537	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Cubierta	B139	657	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Cubierta	B140	695	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Cubierta	B141	703	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Cubierta	B144	628	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Cubierta	B145	630	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Cubierta	B146	696	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Cubierta	B147	704	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Cubierta	B148	514	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Cubierta	B149	516	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Cubierta	B150	697	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Cubierta	B151	705	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Cubierta	B153	484	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Cubierta	B154	532	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Cubierta	B156	535	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Cubierta	B157	485	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Cubierta	B158	431	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Cubierta	B159	684	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Cubierta	B160	687	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Cubierta	B161	685	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Cubierta	B162	688	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Cubierta	B164	496	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Cubierta	B165	501	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Cubierta	B166	506	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Cubierta	B167	511	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Cubierta	B168	656	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Cubierta	B169	686	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Cubierta	B170	689	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Cubierta	B171	89	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Cubierta	B172	482	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Cubierta	B173	538	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Cubierta	B174	706	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Cubierta	B175	707	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Cubierta	B178	708	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Cubierta	B179	709	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Cubierta	B180	540	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Cubierta	B182	633	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Cubierta	B184	426	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Cubierta	B185	556	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Cubierta	B186	552	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Cubierta	B187	548	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Cubierta	B189	631	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Cubierta	B190	425	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Cubierta	B191	554	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Cubierta	B192	555	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Cubierta	B196	507	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)

Table 3.2 - Frame Assignments - Section Properties (continued)

Story	Label	UniqueName	Shape	Auto Select List	Section Property
Cubierta	B200	113	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Cubierta	B202	422	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Cubierta	B203	553	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Cubierta	B204	549	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Cubierta	B207	479	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Cubierta	B208	566	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Cubierta	B211	567	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Cubierta	B217	527	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Cubierta	B218	529	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Cubierta	B230	568	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Cubierta	B232	569	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Cubierta	C1	414	Concrete Rectangular	N.A.	C50X60 SO
Cubierta	C2	418	Concrete Rectangular	N.A.	C50X60 SO
Cubierta	C4	111	Concrete Rectangular	N.A.	C50X50 P3
Cubierta	C5	112	Concrete Rectangular	N.A.	C50X50 P3
Cubierta	C7	106	Concrete Rectangular	N.A.	C50X50 P3
Cubierta	C8	107	Concrete Rectangular	N.A.	C50X50 P3
Cubierta	C9	108	Concrete Rectangular	N.A.	C50X50 P3
Cubierta	C10	109	Concrete Rectangular	N.A.	C50X50 P3
Cubierta	C11	102	Concrete Rectangular	N.A.	C50X50 P3
Cubierta	C12	103	Concrete Rectangular	N.A.	C50X50 P3
Cubierta	C13	590	Concrete Rectangular	N.A.	C20X20 (E0)
Cubierta	C14	682	Concrete Rectangular	N.A.	C20X20 (E0)
Cubierta	C15	683	Concrete Rectangular	N.A.	C20X20 (E0)
Cubierta	C16	591	Concrete Rectangular	N.A.	C20X20 (E0)
Cubierta	C17	104	Concrete Rectangular	N.A.	C50X50 P3
Cubierta	C18	105	Concrete Rectangular	N.A.	C50X50 P3
Cubierta	C19	603	Concrete Rectangular	N.A.	C20X20 (E0)
Cubierta	C20	618	Concrete Rectangular	N.A.	C20X20 (E0)
Cubierta	C21	602	Concrete Rectangular	N.A.	C20X20 (E0)
Cubierta	C22	617	Concrete Rectangular	N.A.	C20X20 (E0)
Cubierta	C23	98	Concrete Rectangular	N.A.	C50X50 P3
Cubierta	C24	99	Concrete Rectangular	N.A.	C50X50 P3
Cubierta	C25	100	Concrete Rectangular	N.A.	C50X50 P3
Cubierta	C26	101	Concrete Rectangular	N.A.	C50X50 P3
Cubierta	C27	601	Concrete Rectangular	N.A.	C20X20 (E0)
Cubierta	C28	616	Concrete Rectangular	N.A.	C20X20 (E0)
Cubierta	C29	600	Concrete Rectangular	N.A.	C20X20 (E0)
Cubierta	C30	615	Concrete Rectangular	N.A.	C20X20 (E0)
Cubierta	C31	599	Concrete Rectangular	N.A.	C20X20 (E0)
Cubierta	C32	607	Concrete Rectangular	N.A.	C20X20 (E0)
Cubierta	C33	598	Concrete Rectangular	N.A.	C20X20 (E0)
Cubierta	C34	606	Concrete Rectangular	N.A.	C20X20 (E0)
Cubierta	C35	94	Concrete Rectangular	N.A.	C50X50 P3
Cubierta	C36	95	Concrete Rectangular	N.A.	C50X50 P3
Cubierta	C37	96	Concrete Rectangular	N.A.	C50X50 P3
Cubierta	C38	97	Concrete Rectangular	N.A.	C50X50 P3
Cubierta	C39	597	Concrete Rectangular	N.A.	C20X20 (E0)

Table 3.2 - Frame Assignments - Section Properties (continued)

Story	Label	UniqueName	Shape	Auto Select List	Section Property
Cubierta	C40	605	Concrete Rectangular	N.A.	C20X20 (E0)
Cubierta	C41	596	Concrete Rectangular	N.A.	C20X20 (E0)
Cubierta	C42	604	Concrete Rectangular	N.A.	C20X20 (E0)
Cubierta	C43	90	Concrete Rectangular	N.A.	C50X50 P3
Cubierta	C44	91	Concrete Rectangular	N.A.	C50X50 P3
Cubierta	C45	592	Concrete Rectangular	N.A.	C20X20 (E0)
Cubierta	C46	594	Concrete Rectangular	N.A.	C20X20 (E0)
Cubierta	C47	595	Concrete Rectangular	N.A.	C20X20 (E0)
Cubierta	C48	593	Concrete Rectangular	N.A.	C20X20 (E0)
Cubierta	C49	92	Concrete Rectangular	N.A.	C50X50 P3
Cubierta	C50	93	Concrete Rectangular	N.A.	C50X50 P3
Cubierta	C51	86	Concrete Rectangular	N.A.	C50X50 P3
Cubierta	C52	87	Concrete Rectangular	N.A.	C50X50 P3
Cubierta	C53	88	Concrete Rectangular	N.A.	C50X50 P3
Piso 3	B2	427	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 3	B3	432	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 3	B4	435	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Piso 3	B5	436	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Piso 3	B6	437	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Piso 3	B7	444	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 3	B8	446	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 3	B9	448	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Piso 3	B13	451	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Piso 3	B14	428	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 3	B15	433	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 3	B17	440	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Piso 3	B18	445	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 3	B19	447	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 3	B20	441	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Piso 3	B23	337	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 3	B24	456	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 3	B26	457	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 3	B27	411	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 3	B29	423	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 3	B30	424	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 3	B31	458	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 3	B33	459	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 3	B34	344	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 3	B35	661	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 3	B36	338	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Piso 3	B37	461	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Piso 3	B38	358	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 3	B39	438	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Piso 3	B40	364	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 3	B41	369	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 3	B42	439	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Piso 3	B45	460	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Piso 3	B46	349	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)

Table 3.2 - Frame Assignments - Section Properties (continued)

Story	Label	UniqueName	Shape	Auto Select List	Section Property
Piso 3	B47	662	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 3	B48	347	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Piso 3	B49	336	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 3	B50	452	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 3	B52	453	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 3	B56	407	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 3	B59	454	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 3	B61	455	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 3	B62	343	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 3	B69	462	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Piso 3	B70	359	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 3	B71	365	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 3	B72	370	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 3	B73	375	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 3	B74	477	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Piso 3	B81	335	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 3	B82	385	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 3	B83	386	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 3	B84	491	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 3	B85	677	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 3	B87	678	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 3	B90	679	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 3	B91	495	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 3	B92	352	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 3	B93	342	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 3	B96	723	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Piso 3	B97	731	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Piso 3	B98	474	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Piso 3	B99	387	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 3	B101	473	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Piso 3	B102	463	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Piso 3	B103	360	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 3	B104	371	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 3	B105	376	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 3	B106	476	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Piso 3	B107	724	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Piso 3	B108	732	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Piso 3	B111	475	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Piso 3	B112	388	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 3	B113	725	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Piso 3	B114	733	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Piso 3	B115	334	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 3	B116	383	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 3	B117	384	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 3	B118	399	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 3	B120	402	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 3	B121	389	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 3	B123	390	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)

Table 3.2 - Frame Assignments - Section Properties (continued)

Story	Label	UniqueName	Shape	Auto Select List	Section Property
Piso 3	B124	341	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 3	B125	726	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Piso 3	B126	734	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Piso 3	B127	464	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Piso 3	B128	466	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 3	B129	468	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 3	B130	727	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Piso 3	B131	735	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Piso 3	B132	379	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 3	B133	381	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 3	B134	470	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Piso 3	B135	471	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Piso 3	B139	472	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Piso 3	B140	728	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Piso 3	B141	736	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Piso 3	B144	467	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 3	B145	469	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 3	B146	729	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Piso 3	B147	737	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Piso 3	B148	380	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 3	B149	382	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 3	B150	730	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Piso 3	B151	738	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Piso 3	B153	350	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 3	B154	398	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 3	B156	401	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 3	B157	351	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 3	B158	340	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 3	B159	717	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Piso 3	B160	720	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Piso 3	B161	718	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Piso 3	B162	721	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Piso 3	B164	362	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 3	B165	367	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 3	B166	372	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 3	B167	377	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 3	B168	465	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Piso 3	B169	719	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Piso 3	B170	722	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Piso 3	B171	326	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 3	B172	348	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 3	B173	404	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 3	B174	714	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 3	B176	715	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 3	B179	716	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 3	B180	406	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 3	B181	361	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 3	B183	366	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)

Table 3.2 - Frame Assignments - Section Properties (continued)

Story	Label	UniqueName	Shape	Auto Select List	Section Property
Piso 3	B184	339	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 3	B188	394	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Piso 3	B189	355	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 3	B190	450	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Piso 3	B193	354	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Piso 3	B194	363	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 3	B195	368	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 3	B196	373	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 3	B199	397	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Piso 3	B201	410	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Piso 3	B202	434	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Piso 3	B205	396	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Piso 3	B206	324	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 3	B207	345	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 3	B210	346	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 3	B213	356	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 3	B216	391	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 3	B217	393	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 3	B218	395	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 3	B219	392	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Piso 3	B229	242	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Piso 3	B231	309	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Piso 3	B233	333	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Piso 3	C1	413	Concrete Rectangular	N.A.	C50X60 SO
Piso 3	C2	417	Concrete Rectangular	N.A.	C50X60 SO
Piso 3	C3	82	Concrete Rectangular	N.A.	C50X60 P2
Piso 3	C4	83	Concrete Rectangular	N.A.	C50X60 P2
Piso 3	C5	84	Concrete Rectangular	N.A.	C50X60 P2
Piso 3	C6	85	Concrete Rectangular	N.A.	C50X60 P2
Piso 3	C7	78	Concrete Rectangular	N.A.	C50X60 P2
Piso 3	C8	79	Concrete Rectangular	N.A.	C50X60 P2
Piso 3	C9	80	Concrete Rectangular	N.A.	C50X60 P2
Piso 3	C10	81	Concrete Rectangular	N.A.	C50X60 P2
Piso 3	C11	74	Concrete Rectangular	N.A.	C50X60 P2
Piso 3	C12	75	Concrete Rectangular	N.A.	C50X60 P2
Piso 3	C13	623	Concrete Rectangular	N.A.	C20X20 (E0)
Piso 3	C16	626	Concrete Rectangular	N.A.	C20X20 (E0)
Piso 3	C17	76	Concrete Rectangular	N.A.	C50X60 P2
Piso 3	C18	77	Concrete Rectangular	N.A.	C50X60 P2
Piso 3	C19	668	Concrete Rectangular	N.A.	C20X20 (E0)
Piso 3	C20	676	Concrete Rectangular	N.A.	C20X20 (E0)
Piso 3	C21	667	Concrete Rectangular	N.A.	C20X20 (E0)
Piso 3	C22	675	Concrete Rectangular	N.A.	C20X20 (E0)
Piso 3	C23	70	Concrete Rectangular	N.A.	C50X60 P2
Piso 3	C24	71	Concrete Rectangular	N.A.	C50X60 P2
Piso 3	C25	72	Concrete Rectangular	N.A.	C50X60 P2
Piso 3	C26	73	Concrete Rectangular	N.A.	C50X60 P2
Piso 3	C27	666	Concrete Rectangular	N.A.	C20X20 (E0)

Table 3.2 - Frame Assignments - Section Properties (continued)

Story	Label	UniqueName	Shape	Auto Select List	Section Property
Piso 3	C28	674	Concrete Rectangular	N.A.	C20X20 (E0)
Piso 3	C29	665	Concrete Rectangular	N.A.	C20X20 (E0)
Piso 3	C30	673	Concrete Rectangular	N.A.	C20X20 (E0)
Piso 3	C31	653	Concrete Rectangular	N.A.	C20X20 (E0)
Piso 3	C32	672	Concrete Rectangular	N.A.	C20X20 (E0)
Piso 3	C33	651	Concrete Rectangular	N.A.	C20X20 (E0)
Piso 3	C34	671	Concrete Rectangular	N.A.	C20X20 (E0)
Piso 3	C35	66	Concrete Rectangular	N.A.	C50X60 P2
Piso 3	C36	67	Concrete Rectangular	N.A.	C50X60 P2
Piso 3	C37	68	Concrete Rectangular	N.A.	C50X60 P2
Piso 3	C38	69	Concrete Rectangular	N.A.	C50X60 P2
Piso 3	C39	650	Concrete Rectangular	N.A.	C20X20 (E0)
Piso 3	C40	670	Concrete Rectangular	N.A.	C20X20 (E0)
Piso 3	C41	646	Concrete Rectangular	N.A.	C20X20 (E0)
Piso 3	C42	669	Concrete Rectangular	N.A.	C20X20 (E0)
Piso 3	C43	62	Concrete Rectangular	N.A.	C50X60 P2
Piso 3	C44	63	Concrete Rectangular	N.A.	C50X60 P2
Piso 3	C45	632	Concrete Rectangular	N.A.	C20X20 (E0)
Piso 3	C46	642	Concrete Rectangular	N.A.	C20X20 (E0)
Piso 3	C47	644	Concrete Rectangular	N.A.	C20X20 (E0)
Piso 3	C48	641	Concrete Rectangular	N.A.	C20X20 (E0)
Piso 3	C49	64	Concrete Rectangular	N.A.	C50X60 P2
Piso 3	C50	65	Concrete Rectangular	N.A.	C50X60 P2
Piso 3	C51	58	Concrete Rectangular	N.A.	C50X60 P2
Piso 3	C52	59	Concrete Rectangular	N.A.	C50X60 P2
Piso 3	C53	60	Concrete Rectangular	N.A.	C50X60 P2
Piso 3	C55	680	Concrete Rectangular	N.A.	C20X20 (E0)
Piso 3	C56	681	Concrete Rectangular	N.A.	C20X20 (E0)
Piso 2	B16	310	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Piso 2	B21	429	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 2	B22	430	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 2	B23	217	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 2	B25	244	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 2	B28	245	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 2	B32	246	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 2	B34	224	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 2	B37	286	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Piso 2	B38	247	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 2	B40	253	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 2	B41	258	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 2	B43	263	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 2	B44	291	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Piso 2	B49	216	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 2	B51	241	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 2	B53	316	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 2	B55	317	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 2	B58	318	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 2	B60	243	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)

Table 3.2 - Frame Assignments - Section Properties (continued)

Story	Label	UniqueName	Shape	Auto Select List	Section Property
Piso 2	B62	223	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 2	B65	745	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Piso 2	B66	755	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Piso 2	B69	285	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Piso 2	B70	248	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 2	B71	254	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 2	B72	259	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 2	B73	264	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 2	B74	290	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Piso 2	B79	746	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Piso 2	B80	756	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Piso 2	B81	215	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 2	B82	275	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 2	B83	276	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 2	B84	304	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 2	B91	308	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 2	B92	240	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 2	B93	222	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 2	B96	747	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Piso 2	B97	757	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Piso 2	B98	238	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Piso 2	B99	277	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 2	B101	236	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Piso 2	B102	284	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Piso 2	B103	249	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 2	B104	260	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 2	B105	265	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 2	B106	289	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Piso 2	B107	748	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Piso 2	B108	758	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Piso 2	B111	239	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Piso 2	B112	278	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 2	B113	749	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Piso 2	B114	759	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Piso 2	B115	214	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 2	B116	273	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 2	B117	274	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 2	B118	298	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 2	B120	307	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 2	B121	279	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 2	B123	280	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 2	B124	221	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 2	B125	750	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Piso 2	B126	760	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Piso 2	B130	751	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Piso 2	B131	761	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Piso 2	B132	269	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 2	B133	271	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)

Table 3.2 - Frame Assignments - Section Properties (continued)

Story	Label	UniqueName	Shape	Auto Select List	Section Property
Piso 2	B136	283	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Piso 2	B137	250	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 2	B138	255	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 2	B140	752	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Piso 2	B141	762	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Piso 2	B142	294	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Piso 2	B143	295	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Piso 2	B146	753	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Piso 2	B147	763	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Piso 2	B148	270	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 2	B149	272	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 2	B150	754	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Piso 2	B151	764	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Piso 2	B152	213	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 2	B153	235	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 2	B154	297	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 2	B156	305	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 2	B157	237	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 2	B158	220	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 2	B159	739	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Piso 2	B160	742	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Piso 2	B161	740	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Piso 2	B162	743	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Piso 2	B163	282	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Piso 2	B164	251	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 2	B165	256	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 2	B166	261	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 2	B167	266	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 2	B168	288	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Piso 2	B169	741	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Piso 2	B170	744	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Piso 2	B171	189	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 2	B172	232	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 2	B173	313	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 2	B174	499	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 2	B176	502	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 2	B179	534	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 2	B180	315	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 2	B182	234	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 2	B184	219	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 2	B193	320	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Piso 2	B194	252	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 2	B195	257	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 2	B196	262	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 2	B197	267	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 2	B198	287	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Piso 2	B206	135	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 2	B207	229	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)

Table 3.2 - Frame Assignments - Section Properties (continued)

Story	Label	UniqueName	Shape	Auto Select List	Section Property
Piso 2	B209	312	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 2	B212	314	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 2	B214	231	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 2	B215	218	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 2	B216	292	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 2	B217	299	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 2	B218	301	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 2	B220	293	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 2	B221	319	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Piso 2	B225	228	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Piso 2	B229	303	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Piso 2	B234	306	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Piso 2	B235	322	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Piso 2	B236	300	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 2	B237	302	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 2	B241	296	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Piso 2	B245	225	Concrete Rectangular	N.A.	V30X40 (18.2Mpa)
Piso 2	B246	226	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Piso 2	B247	227	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Piso 2	B248	114	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Piso 2	B249	268	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Piso 2	B250	281	Concrete Rectangular	N.A.	VT20X40 (18.2MPa)
Piso 2	C1	415	Concrete Rectangular	N.A.	C50X60 SO
Piso 2	C2	419	Concrete Rectangular	N.A.	C50X60 SO
Piso 2	C3	54	Concrete Rectangular	N.A.	C50X60 P1
Piso 2	C4	55	Concrete Rectangular	N.A.	C50X60 P1
Piso 2	C5	56	Concrete Rectangular	N.A.	C50X60 P1
Piso 2	C6	57	Concrete Rectangular	N.A.	C50X60 P1
Piso 2	C7	50	Concrete Rectangular	N.A.	C50X60 P1
Piso 2	C8	51	Concrete Rectangular	N.A.	C50X60 P1
Piso 2	C9	52	Concrete Rectangular	N.A.	C50X60 P1
Piso 2	C10	53	Concrete Rectangular	N.A.	C50X60 P1
Piso 2	C11	46	Concrete Rectangular	N.A.	C50X60 P1
Piso 2	C12	47	Concrete Rectangular	N.A.	C50X60 P1
Piso 2	C13	61	Concrete Rectangular	N.A.	C20X20 (E0)
Piso 2	C16	478	Concrete Rectangular	N.A.	C20X20 (E0)
Piso 2	C17	48	Concrete Rectangular	N.A.	C50X60 P1
Piso 2	C18	49	Concrete Rectangular	N.A.	C50X60 P1
Piso 2	C19	582	Concrete Rectangular	N.A.	C20X20 (E0)
Piso 2	C20	589	Concrete Rectangular	N.A.	C20X20 (E0)
Piso 2	C21	581	Concrete Rectangular	N.A.	C20X20 (E0)
Piso 2	C22	588	Concrete Rectangular	N.A.	C20X20 (E0)
Piso 2	C23	42	Concrete Rectangular	N.A.	C50X60 P1
Piso 2	C24	43	Concrete Rectangular	N.A.	C50X60 P1
Piso 2	C25	44	Concrete Rectangular	N.A.	C50X60 P1
Piso 2	C26	45	Concrete Rectangular	N.A.	C50X60 P1
Piso 2	C27	580	Concrete Rectangular	N.A.	C20X20 (E0)
Piso 2	C28	587	Concrete Rectangular	N.A.	C20X20 (E0)

Table 3.2 - Frame Assignments - Section Properties (continued)

Story	Label	UniqueName	Shape	Auto Select List	Section Property
Piso 2	C29	579	Concrete Rectangular	N.A.	C20X20 (E0)
Piso 2	C30	586	Concrete Rectangular	N.A.	C20X20 (E0)
Piso 2	C31	578	Concrete Rectangular	N.A.	C20X20 (E0)
Piso 2	C32	585	Concrete Rectangular	N.A.	C20X20 (E0)
Piso 2	C33	577	Concrete Rectangular	N.A.	C20X20 (E0)
Piso 2	C34	584	Concrete Rectangular	N.A.	C20X20 (E0)
Piso 2	C35	38	Concrete Rectangular	N.A.	C50X60 P1
Piso 2	C36	39	Concrete Rectangular	N.A.	C50X60 P1
Piso 2	C37	40	Concrete Rectangular	N.A.	C50X60 P1
Piso 2	C38	41	Concrete Rectangular	N.A.	C50X60 P1
Piso 2	C39	576	Concrete Rectangular	N.A.	C20X20 (E0)
Piso 2	C40	583	Concrete Rectangular	N.A.	C20X20 (E0)
Piso 2	C41	575	Concrete Rectangular	N.A.	C20X20 (E0)
Piso 2	C42	574	Concrete Rectangular	N.A.	C20X20 (E0)
Piso 2	C43	34	Concrete Rectangular	N.A.	C50X60 P1
Piso 2	C44	35	Concrete Rectangular	N.A.	C50X60 P1
Piso 2	C45	480	Concrete Rectangular	N.A.	C20X20 (E0)
Piso 2	C46	539	Concrete Rectangular	N.A.	C20X20 (E0)
Piso 2	C47	542	Concrete Rectangular	N.A.	C20X20 (E0)
Piso 2	C48	497	Concrete Rectangular	N.A.	C20X20 (E0)
Piso 2	C49	36	Concrete Rectangular	N.A.	C50X60 P1
Piso 2	C50	37	Concrete Rectangular	N.A.	C50X60 P1
Piso 2	C51	30	Concrete Rectangular	N.A.	C50X60 P1
Piso 2	C52	31	Concrete Rectangular	N.A.	C50X60 P1
Piso 2	C53	32	Concrete Rectangular	N.A.	C50X60 P1
Piso 2	C54	33	Concrete Rectangular	N.A.	C50X60 P1
Piso 1	B23	126	Concrete Rectangular	N.A.	V40X40 (18Mpa)
Piso 1	B25	178	Concrete Rectangular	N.A.	V40X40 (18Mpa)
Piso 1	B28	179	Concrete Rectangular	N.A.	V40X40 (18Mpa)
Piso 1	B32	180	Concrete Rectangular	N.A.	V40X40 (18Mpa)
Piso 1	B34	133	Concrete Rectangular	N.A.	V40X40 (18Mpa)
Piso 1	B37	152	Concrete Rectangular	N.A.	VT20X40 (18 MPa)
Piso 1	B38	181	Concrete Rectangular	N.A.	V30X40 (18Mpa)
Piso 1	B40	187	Concrete Rectangular	N.A.	V30X40 (18Mpa)
Piso 1	B41	193	Concrete Rectangular	N.A.	V30X40 (18Mpa)
Piso 1	B43	199	Concrete Rectangular	N.A.	V30X40 (18Mpa)
Piso 1	B44	151	Concrete Rectangular	N.A.	VT20X40 (18 MPa)
Piso 1	B49	125	Concrete Rectangular	N.A.	V40X40 (18Mpa)
Piso 1	B51	175	Concrete Rectangular	N.A.	V40X40 (18Mpa)
Piso 1	B56	176	Concrete Rectangular	N.A.	V40X40 (18Mpa)
Piso 1	B60	177	Concrete Rectangular	N.A.	V40X40 (18Mpa)
Piso 1	B62	132	Concrete Rectangular	N.A.	V40X40 (18Mpa)
Piso 1	B69	153	Concrete Rectangular	N.A.	VT20X40 (18 MPa)
Piso 1	B70	182	Concrete Rectangular	N.A.	V30X40 (18Mpa)
Piso 1	B71	188	Concrete Rectangular	N.A.	V30X40 (18Mpa)
Piso 1	B72	194	Concrete Rectangular	N.A.	V30X40 (18Mpa)
Piso 1	B73	200	Concrete Rectangular	N.A.	V30X40 (18Mpa)
Piso 1	B74	150	Concrete Rectangular	N.A.	VT20X40 (18 MPa)

Table 3.2 - Frame Assignments - Section Properties (continued)

Story	Label	UniqueName	Shape	Auto Select List	Section Property
Piso 1	B81	124	Concrete Rectangular	N.A.	V40X40 (18Mpa)
Piso 1	B82	202	Concrete Rectangular	N.A.	V40X40 (18Mpa)
Piso 1	B83	206	Concrete Rectangular	N.A.	V40X40 (18Mpa)
Piso 1	B88	173	Concrete Rectangular	N.A.	V40X40 (18Mpa)
Piso 1	B92	174	Concrete Rectangular	N.A.	V40X40 (18Mpa)
Piso 1	B93	131	Concrete Rectangular	N.A.	V40X40 (18Mpa)
Piso 1	B98	209	Concrete Rectangular	N.A.	VT20X40 (18 MPa)
Piso 1	B99	211	Concrete Rectangular	N.A.	V30X40 (18Mpa)
Piso 1	B101	208	Concrete Rectangular	N.A.	VT20X40 (18 MPa)
Piso 1	B102	154	Concrete Rectangular	N.A.	VT20X40 (18 MPa)
Piso 1	B103	183	Concrete Rectangular	N.A.	V30X40 (18Mpa)
Piso 1	B104	195	Concrete Rectangular	N.A.	V30X40 (18Mpa)
Piso 1	B105	201	Concrete Rectangular	N.A.	V30X40 (18Mpa)
Piso 1	B106	149	Concrete Rectangular	N.A.	VT20X40 (18 MPa)
Piso 1	B111	210	Concrete Rectangular	N.A.	VT20X40 (18 MPa)
Piso 1	B112	212	Concrete Rectangular	N.A.	V30X40 (18Mpa)
Piso 1	B115	123	Concrete Rectangular	N.A.	V40X40 (18Mpa)
Piso 1	B116	134	Concrete Rectangular	N.A.	V40X40 (18Mpa)
Piso 1	B117	196	Concrete Rectangular	N.A.	V40X40 (18Mpa)
Piso 1	B119	170	Concrete Rectangular	N.A.	V40X40 (18Mpa)
Piso 1	B121	148	Concrete Rectangular	N.A.	V40X40 (18Mpa)
Piso 1	B123	169	Concrete Rectangular	N.A.	V40X40 (18Mpa)
Piso 1	B124	130	Concrete Rectangular	N.A.	V40X40 (18Mpa)
Piso 1	B132	136	Concrete Rectangular	N.A.	V30X40 (18Mpa)
Piso 1	B133	138	Concrete Rectangular	N.A.	V30X40 (18Mpa)
Piso 1	B136	155	Concrete Rectangular	N.A.	VT20X40 (18 MPa)
Piso 1	B137	184	Concrete Rectangular	N.A.	V30X40 (18Mpa)
Piso 1	B138	190	Concrete Rectangular	N.A.	V30X40 (18Mpa)
Piso 1	B142	171	Concrete Rectangular	N.A.	VT20X40 (18 MPa)
Piso 1	B143	172	Concrete Rectangular	N.A.	VT20X40 (18 MPa)
Piso 1	B148	137	Concrete Rectangular	N.A.	V30X40 (18Mpa)
Piso 1	B149	143	Concrete Rectangular	N.A.	V30X40 (18Mpa)
Piso 1	B152	122	Concrete Rectangular	N.A.	V40X40 (18Mpa)
Piso 1	B153	166	Concrete Rectangular	N.A.	V40X40 (18Mpa)
Piso 1	B155	167	Concrete Rectangular	N.A.	V40X40 (18Mpa)
Piso 1	B157	168	Concrete Rectangular	N.A.	V40X40 (18Mpa)
Piso 1	B158	129	Concrete Rectangular	N.A.	V40X40 (18Mpa)
Piso 1	B163	156	Concrete Rectangular	N.A.	VT20X40 (18 MPa)
Piso 1	B164	185	Concrete Rectangular	N.A.	V30X40 (18Mpa)
Piso 1	B165	191	Concrete Rectangular	N.A.	V30X40 (18Mpa)
Piso 1	B166	197	Concrete Rectangular	N.A.	V30X40 (18Mpa)
Piso 1	B167	203	Concrete Rectangular	N.A.	V30X40 (18Mpa)
Piso 1	B168	147	Concrete Rectangular	N.A.	VT20X40 (18 MPa)
Piso 1	B171	121	Concrete Rectangular	N.A.	V40X40 (18Mpa)
Piso 1	B172	163	Concrete Rectangular	N.A.	V40X40 (18Mpa)
Piso 1	B177	164	Concrete Rectangular	N.A.	V40X40 (18Mpa)
Piso 1	B182	165	Concrete Rectangular	N.A.	V40X40 (18Mpa)
Piso 1	B184	128	Concrete Rectangular	N.A.	V40X40 (18Mpa)

Table 3.2 - Frame Assignments - Section Properties (continued)

Story	Label	UniqueName	Shape	Auto Select List	Section Property
Piso 1	B193	157	Concrete Rectangular	N.A.	VT20X40 (18 MPa)
Piso 1	B194	186	Concrete Rectangular	N.A.	V30X40 (18Mpa)
Piso 1	B195	192	Concrete Rectangular	N.A.	V30X40 (18Mpa)
Piso 1	B196	198	Concrete Rectangular	N.A.	V30X40 (18Mpa)
Piso 1	B197	204	Concrete Rectangular	N.A.	V30X40 (18Mpa)
Piso 1	B198	146	Concrete Rectangular	N.A.	VT20X40 (18 MPa)
Piso 1	B206	120	Concrete Rectangular	N.A.	V40X40 (18Mpa)
Piso 1	B207	160	Concrete Rectangular	N.A.	V40X40 (18Mpa)
Piso 1	B210	161	Concrete Rectangular	N.A.	V40X40 (18Mpa)
Piso 1	B214	162	Concrete Rectangular	N.A.	V40X40 (18Mpa)
Piso 1	B215	127	Concrete Rectangular	N.A.	V40X40 (18Mpa)
Piso 1	B222	144	Concrete Rectangular	N.A.	VT20X40 (18 MPa)
Piso 1	B223	139	Concrete Rectangular	N.A.	V30X40 (18Mpa)
Piso 1	B224	140	Concrete Rectangular	N.A.	V30X40 (18Mpa)
Piso 1	B225	115	Concrete Rectangular	N.A.	VT20X40 (18 MPa)
Piso 1	B226	141	Concrete Rectangular	N.A.	V30X40 (18Mpa)
Piso 1	B227	142	Concrete Rectangular	N.A.	V30X40 (18Mpa)
Piso 1	B228	145	Concrete Rectangular	N.A.	VT20X40 (18 MPa)
Piso 1	B238	158	Concrete Rectangular	N.A.	VT20X40 (18 MPa)
Piso 1	B239	205	Concrete Rectangular	N.A.	VT20X40 (18 MPa)
Piso 1	B240	118	Concrete Rectangular	N.A.	VT20X40 (18 MPa)
Piso 1	B242	119	Concrete Rectangular	N.A.	VT20X40 (18 MPa)
Piso 1	B243	207	Concrete Rectangular	N.A.	VT20X40 (18 MPa)
Piso 1	B244	159	Concrete Rectangular	N.A.	VT20X40 (18 MPa)
Piso 1	B245	13	Concrete Rectangular	N.A.	V30X40 (18Mpa)
Piso 1	B246	116	Concrete Rectangular	N.A.	VT20X40 (18 MPa)
Piso 1	B247	117	Concrete Rectangular	N.A.	VT20X40 (18 MPa)
Piso 1	C1	416	Concrete Rectangular	N.A.	C50X60 SO
Piso 1	C2	420	Concrete Rectangular	N.A.	C50X60 SO
Piso 1	C3	26	Concrete Rectangular	N.A.	C50X60 SO
Piso 1	C4	27	Concrete Rectangular	N.A.	C50X60 SO
Piso 1	C5	28	Concrete Rectangular	N.A.	C50X60 SO
Piso 1	C6	29	Concrete Rectangular	N.A.	C50X60 SO
Piso 1	C7	22	Concrete Rectangular	N.A.	C50X60 SO
Piso 1	C8	23	Concrete Rectangular	N.A.	C50X60 SO
Piso 1	C9	24	Concrete Rectangular	N.A.	C50X60 SO
Piso 1	C10	25	Concrete Rectangular	N.A.	C50X60 SO
Piso 1	C11	18	Concrete Rectangular	N.A.	C50X60 SO
Piso 1	C12	19	Concrete Rectangular	N.A.	C50X60 SO
Piso 1	C17	20	Concrete Rectangular	N.A.	C50X60 SO
Piso 1	C18	21	Concrete Rectangular	N.A.	C50X60 SO
Piso 1	C23	14	Concrete Rectangular	N.A.	C50X60 SO
Piso 1	C24	15	Concrete Rectangular	N.A.	C50X60 SO
Piso 1	C25	16	Concrete Rectangular	N.A.	C50X60 SO
Piso 1	C26	17	Concrete Rectangular	N.A.	C50X60 SO
Piso 1	C35	9	Concrete Rectangular	N.A.	C50X60 SO
Piso 1	C36	10	Concrete Rectangular	N.A.	C50X60 SO
Piso 1	C37	11	Concrete Rectangular	N.A.	C50X60 SO

Table 3.2 - Frame Assignments - Section Properties (continued)

Story	Label	UniqueName	Shape	Auto Select List	Section Property
Piso 1	C38	12	Concrete Rectangular	N.A.	C50X60 SO
Piso 1	C43	5	Concrete Rectangular	N.A.	C50X60 SO
Piso 1	C44	6	Concrete Rectangular	N.A.	C50X60 SO
Piso 1	C49	7	Concrete Rectangular	N.A.	C50X60 SO
Piso 1	C50	8	Concrete Rectangular	N.A.	C50X60 SO
Piso 1	C51	1	Concrete Rectangular	N.A.	C50X60 SO
Piso 1	C52	2	Concrete Rectangular	N.A.	C50X60 SO
Piso 1	C53	3	Concrete Rectangular	N.A.	C50X60 SO
Piso 1	C54	4	Concrete Rectangular	N.A.	C50X60 SO

3.2 Shell Assignments

Table 3.3 - Area Assignments - Summary

Story	Label	UniqueName	Section Property	Property Type	Axis Angle deg
Cubierta	F1	130	L5 (18.2 MPa)	Slab	90
Cubierta	F6	150	CUB LIV	Slab	
Cubierta	F8	151	CUB LIV	Slab	
Cubierta	F10	152	CUB LIV	Slab	
Cubierta	F21	145	CUB LIV	Slab	
Cubierta	F23	146	CUB LIV	Slab	
Cubierta	F26	147	CUB LIV	Slab	
Cubierta	F31	148	CUB LIV	Slab	90
Cubierta	F32	149	CUB LIV	Slab	90
Cubierta	F34	142	L5 (18.2 MPa)	Slab	
Cubierta	F40	155	CUB LIV	Slab	90
Cubierta	F42	156	CUB LIV	Slab	90
Cubierta	F44	157	CUB LIV	Slab	90
Cubierta	F45	158	CUB LIV	Slab	90
Cubierta	F46	153	CUB LIV	Slab	90
Cubierta	F47	141	L5 (18.2 MPa)	Slab	
Cubierta	F49	144	L5 (18.2 MPa)	Slab	
Cubierta	F50	138	CUB LIV	Slab	
Cubierta	F52	140	L5 (18.2 MPa)	Slab	
Cubierta	F53	159	CUB LIV	Slab	90
Cubierta	F54	135	CUB LIV	Slab	
Cubierta	F56	160	CUB LIV	Slab	90
Cubierta	F57	161	CUB LIV	Slab	90
Cubierta	F58	162	CUB LIV	Slab	90
Cubierta	F59	143	L5 (18.2 MPa)	Slab	
Cubierta	F60	154	CUB LIV	Slab	90
Cubierta	F61	139	L5 (18.2 MPa)	Slab	
Cubierta	F65	163	CUB LIV	Slab	90
Cubierta	F66	133	CUB LIV	Slab	
Cubierta	F68	164	CUB LIV	Slab	90
Cubierta	F69	165	CUB LIV	Slab	90
Cubierta	F70	166	CUB LIV	Slab	90
Cubierta	F71	137	L5 (18.2 MPa)	Slab	

Table 3.3 - Area Assignments - Summary (continued)

Story	Label	UniqueName	Section Property	Property Type	Axis Angle deg
Cubierta	F74	167	CUB LIV	Slab	90
Cubierta	F75	168	CUB LIV	Slab	90
Cubierta	F76	131	CUB LIV	Slab	
Cubierta	F78	169	CUB LIV	Slab	90
Cubierta	F79	170	CUB LIV	Slab	90
Cubierta	F80	171	CUB LIV	Slab	90
Cubierta	F83	172	CUB LIV	Slab	90
Cubierta	F84	173	CUB LIV	Slab	90
Cubierta	F86	178	CUB LIV	Slab	90
Cubierta	F88	180	CUB LIV	Slab	90
Cubierta	F91	176	CUB LIV	Slab	90
Cubierta	F93	177	CUB LIV	Slab	90
Cubierta	F98	174	CUB LIV	Slab	90
Cubierta	F101	181	CUB LIV	Slab	90
Cubierta	F103	182	CUB LIV	Slab	90
Piso 3	F2	83	L5 (18.2 MPa)	Slab	
Piso 3	F3	190	L5 (18.2 MPa)	Slab	
Piso 3	F4	188	L5 (18.2 MPa)	Slab	
Piso 3	F5	82	L5 (18.2 MPa)	Slab	
Piso 3	F7	187	L5 (18.2 MPa)	Slab	
Piso 3	F8	191	L5 (18.2 MPa)	Slab	
Piso 3	F9	189	L5 (18.2 MPa)	Slab	
Piso 3	F11	86	L5 (18.2 MPa)	Slab	
Piso 3	F15	124	CUB LIV	Slab	
Piso 3	F16	125	CUB LIV	Slab	
Piso 3	F18	129	CUB LIV	Slab	
Piso 3	F19	123	CUB LIV	Slab	
Piso 3	F21	87	L5 (18.2 MPa)	Slab	
Piso 3	F23	88	L5 (18.2 MPa)	Slab	
Piso 3	F26	89	L5 (18.2 MPa)	Slab	
Piso 3	F31	90	L5 (18.2 MPa)	Slab	
Piso 3	F32	121	L5 (18.2 MPa)	Slab	
Piso 3	F35	192	L5 (18.2 MPa)	Slab	
Piso 3	F37	91	L5 (18.2 MPa)	Slab	
Piso 3	F38	122	ESC20 (18.2Mpa)	Slab	
Piso 3	F44	93	L5 (18.2 MPa)	Slab	
Piso 3	F45	120	L5 (18.2 MPa)	Slab	
Piso 3	F48	193	L5 (18.2 MPa)	Slab	
Piso 3	F51	94	L5 (18.2 MPa)	Slab	
Piso 3	F52	95	L5 (18.2 MPa)	Slab	
Piso 3	F53	97	L5 (18.2 MPa)	Slab	
Piso 3	F56	98	L5 (18.2 MPa)	Slab	
Piso 3	F57	99	L5 (18.2 MPa)	Slab	
Piso 3	F58	119	L5 (18.2 MPa)	Slab	
Piso 3	F59	96	L5 (18.2 MPa)	Slab	
Piso 3	F60	100	L5 (18.2 MPa)	Slab	
Piso 3	F61	101	L5 (18.2 MPa)	Slab	
Piso 3	F65	103	L5 (18.2 MPa)	Slab	

Table 3.3 - Area Assignments - Summary (continued)

Story	Label	UniqueName	Section Property	Property Type	Axis Angle deg
Piso 3	F68	116	L5 (18.2 MPa)	Slab	
Piso 3	F69	117	L5 (18.2 MPa)	Slab	
Piso 3	F70	118	L5 (18.2 MPa)	Slab	
Piso 3	F71	102	L5 (18.2 MPa)	Slab	
Piso 3	F74	104	L5 (18.2 MPa)	Slab	
Piso 3	F75	105	L5 (18.2 MPa)	Slab	
Piso 3	F78	113	L5 (18.2 MPa)	Slab	
Piso 3	F79	114	L5 (18.2 MPa)	Slab	
Piso 3	F80	115	L5 (18.2 MPa)	Slab	
Piso 3	F81	84	L5 (18.2 MPa)	Slab	
Piso 3	F85	110	L5 (18.2 MPa)	Slab	
Piso 3	F87	111	L5 (18.2 MPa)	Slab	
Piso 3	F88	112	L5 (18.2 MPa)	Slab	
Piso 3	F89	106	L5 (18.2 MPa)	Slab	
Piso 3	F90	107	L5 (18.2 MPa)	Slab	
Piso 3	F96	85	L5 (18.2 MPa)	Slab	
Piso 3	F99	128	CUB LIV	Slab	
Piso 3	F100	126	CUB LIV	Slab	
Piso 3	F102	109	L5 (18.2 MPa)	Slab	
Piso 3	F104	127	CUB LIV	Slab	
Piso 2	F12	75	L5 (18.2 MPa)	Slab	
Piso 2	F13	33	L5 (18.2 MPa)	Slab	
Piso 2	F14	78	L5 (18.2 MPa)	Slab	
Piso 2	F17	185	L5 (18.2 MPa)	Slab	
Piso 2	F18	63	CUB LIV	Slab	
Piso 2	F28	79	L5 (18.2 MPa)	Slab	
Piso 2	F29	76	L5 (18.2 MPa)	Slab	
Piso 2	F30	184	L5 (18.2 MPa)	Slab	
Piso 2	F33	186	L5 (18.2 MPa)	Slab	
Piso 2	F36	68	L5 (18.2 MPa)	Slab	
Piso 2	F37	66	L5 (18.2 MPa)	Slab	
Piso 2	F38	80	ESC20 (18.2Mpa)	Slab	
Piso 2	F39	67	L5 (18.2 MPa)	Slab	
Piso 2	F43	72	L5 (18.2 MPa)	Slab	
Piso 2	F44	73	L5 (18.2 MPa)	Slab	
Piso 2	F45	74	L5 (18.2 MPa)	Slab	
Piso 2	F51	61	L5 (18.2 MPa)	Slab	
Piso 2	F52	62	L5 (18.2 MPa)	Slab	
Piso 2	F53	65	L5 (18.2 MPa)	Slab	
Piso 2	F56	69	L5 (18.2 MPa)	Slab	
Piso 2	F57	70	L5 (18.2 MPa)	Slab	
Piso 2	F58	71	L5 (18.2 MPa)	Slab	
Piso 2	F59	64	L5 (18.2 MPa)	Slab	
Piso 2	F62	40	ESC20 (18.2Mpa)	Slab	90
Piso 2	F63	56	L5 (18.2 MPa)	Slab	
Piso 2	F64	57	L5 (18.2 MPa)	Slab	
Piso 2	F65	58	L5 (18.2 MPa)	Slab	
Piso 2	F68	59	L5 (18.2 MPa)	Slab	

Table 3.3 - Area Assignments - Summary (continued)

Story	Label	UniqueName	Section Property	Property Type	Axis Angle deg
Piso 2	F72	60	L5 (18.2 MPa)	Slab	
Piso 2	F73	50	L5 (18.2 MPa)	Slab	
Piso 2	F74	51	L5 (18.2 MPa)	Slab	
Piso 2	F75	52	L5 (18.2 MPa)	Slab	
Piso 2	F78	53	L5 (18.2 MPa)	Slab	
Piso 2	F79	54	L5 (18.2 MPa)	Slab	
Piso 2	F80	55	L5 (18.2 MPa)	Slab	
Piso 2	F82	47	L5 (18.2 MPa)	Slab	
Piso 2	F89	45	L5 (18.2 MPa)	Slab	
Piso 2	F90	46	L5 (18.2 MPa)	Slab	
Piso 2	F94	48	L5 (18.2 MPa)	Slab	
Piso 2	F95	49	L5 (18.2 MPa)	Slab	
Piso 2	F97	77	L5 (18.2 MPa)	Slab	
Piso 2	F100	41	L5 (18.2 MPa)	Slab	
Piso 2	F105	44	L5 (18.2 MPa)	Slab	
Piso 2	F106	81	L5 (18.2 MPa)	Slab	
Piso 2	F109	42	L5 (18.2 MPa)	Slab	
Piso 2	F110	43	L5 (18.2 MPa)	Slab	
Piso 2	F113	39	L5 (18.2 MPa)	Slab	
Piso 1	F18	31	L5 (18 Mpa)	Slab	90
Piso 1	F20	32	L5 (18 Mpa)	Slab	90
Piso 1	F22	175	L5 (18 Mpa)	Slab	90
Piso 1	F24	179	L5 (18 Mpa)	Slab	90
Piso 1	F25	183	L5 (18 Mpa)	Slab	90
Piso 1	F27	34	L5 (18 Mpa)	Slab	90
Piso 1	F28	36	L5 (18 Mpa)	Slab	90
Piso 1	F37	27	L5 (18 Mpa)	Slab	90
Piso 1	F38	20	ESC20 (18Mpa)	Slab	
Piso 1	F41	29	L5 (18 Mpa)	Slab	90
Piso 1	F44	30	L5 (18 Mpa)	Slab	90
Piso 1	F45	35	L5 (18 Mpa)	Slab	90
Piso 1	F51	21	L5 (18 Mpa)	Slab	90
Piso 1	F52	22	L5 (18 Mpa)	Slab	90
Piso 1	F55	24	L5 (18 Mpa)	Slab	90
Piso 1	F57	25	L5 (18 Mpa)	Slab	90
Piso 1	F58	26	L5 (18 Mpa)	Slab	90
Piso 1	F59	23	L5 (18 Mpa)	Slab	90
Piso 1	F62	28	ESC20 (18Mpa)	Slab	90
Piso 1	F63	16	L5 (18 Mpa)	Slab	90
Piso 1	F64	17	L5 (18 Mpa)	Slab	90
Piso 1	F67	18	L5 (18 Mpa)	Slab	90
Piso 1	F72	19	L5 (18 Mpa)	Slab	90
Piso 1	F73	11	L5 (18 Mpa)	Slab	90
Piso 1	F74	12	L5 (18 Mpa)	Slab	90
Piso 1	F77	13	L5 (18 Mpa)	Slab	90
Piso 1	F79	14	L5 (18 Mpa)	Slab	90
Piso 1	F80	15	L5 (18 Mpa)	Slab	90
Piso 1	F89	6	L5 (18 Mpa)	Slab	90

Table 3.3 - Area Assignments - Summary (continued)

Story	Label	UniqueName	Section Property	Property Type	Axis Angle deg
Piso 1	F90	7	L5 (18 Mpa)	Slab	90
Piso 1	F92	8	L5 (18 Mpa)	Slab	90
Piso 1	F94	9	L5 (18 Mpa)	Slab	90
Piso 1	F95	10	L5 (18 Mpa)	Slab	90
Piso 1	F107	2	L5 (18 Mpa)	Slab	90
Piso 1	F108	3	L5 (18 Mpa)	Slab	90
Piso 1	F109	4	L5 (18 Mpa)	Slab	90
Piso 1	F110	1	ESC20 (18Mpa)	Slab	90
Piso 1	F111	37	CUB LIV	Slab	
Piso 1	F112	38	CUB LIV	Slab	
Piso 1	F113	5	L5 (18 Mpa)	Slab	90

Table 3.4 - Area Assignments - Section Properties

Story	Label	UniqueName	Section Property	Property Type
Cubierta	F1	130	L5 (18.2 MPa)	Slab
Cubierta	F6	150	CUB LIV	Slab
Cubierta	F8	151	CUB LIV	Slab
Cubierta	F10	152	CUB LIV	Slab
Cubierta	F21	145	CUB LIV	Slab
Cubierta	F23	146	CUB LIV	Slab
Cubierta	F26	147	CUB LIV	Slab
Cubierta	F31	148	CUB LIV	Slab
Cubierta	F32	149	CUB LIV	Slab
Cubierta	F34	142	L5 (18.2 MPa)	Slab
Cubierta	F40	155	CUB LIV	Slab
Cubierta	F42	156	CUB LIV	Slab
Cubierta	F44	157	CUB LIV	Slab
Cubierta	F45	158	CUB LIV	Slab
Cubierta	F46	153	CUB LIV	Slab
Cubierta	F47	141	L5 (18.2 MPa)	Slab
Cubierta	F49	144	L5 (18.2 MPa)	Slab
Cubierta	F50	138	CUB LIV	Slab
Cubierta	F52	140	L5 (18.2 MPa)	Slab
Cubierta	F53	159	CUB LIV	Slab
Cubierta	F54	135	CUB LIV	Slab
Cubierta	F56	160	CUB LIV	Slab
Cubierta	F57	161	CUB LIV	Slab
Cubierta	F58	162	CUB LIV	Slab
Cubierta	F59	143	L5 (18.2 MPa)	Slab
Cubierta	F60	154	CUB LIV	Slab
Cubierta	F61	139	L5 (18.2 MPa)	Slab
Cubierta	F65	163	CUB LIV	Slab
Cubierta	F66	133	CUB LIV	Slab
Cubierta	F68	164	CUB LIV	Slab
Cubierta	F69	165	CUB LIV	Slab
Cubierta	F70	166	CUB LIV	Slab
Cubierta	F71	137	L5 (18.2 MPa)	Slab

Table 3.4 - Area Assignments - Section Properties (continued)

Story	Label	UniqueName	Section Property	Property Type
Cubierta	F74	167	CUB LIV	Slab
Cubierta	F75	168	CUB LIV	Slab
Cubierta	F76	131	CUB LIV	Slab
Cubierta	F78	169	CUB LIV	Slab
Cubierta	F79	170	CUB LIV	Slab
Cubierta	F80	171	CUB LIV	Slab
Cubierta	F83	172	CUB LIV	Slab
Cubierta	F84	173	CUB LIV	Slab
Cubierta	F86	178	CUB LIV	Slab
Cubierta	F88	180	CUB LIV	Slab
Cubierta	F91	176	CUB LIV	Slab
Cubierta	F93	177	CUB LIV	Slab
Cubierta	F98	174	CUB LIV	Slab
Cubierta	F101	181	CUB LIV	Slab
Cubierta	F103	182	CUB LIV	Slab
Piso 3	F2	83	L5 (18.2 MPa)	Slab
Piso 3	F3	190	L5 (18.2 MPa)	Slab
Piso 3	F4	188	L5 (18.2 MPa)	Slab
Piso 3	F5	82	L5 (18.2 MPa)	Slab
Piso 3	F7	187	L5 (18.2 MPa)	Slab
Piso 3	F8	191	L5 (18.2 MPa)	Slab
Piso 3	F9	189	L5 (18.2 MPa)	Slab
Piso 3	F11	86	L5 (18.2 MPa)	Slab
Piso 3	F15	124	CUB LIV	Slab
Piso 3	F16	125	CUB LIV	Slab
Piso 3	F18	129	CUB LIV	Slab
Piso 3	F19	123	CUB LIV	Slab
Piso 3	F21	87	L5 (18.2 MPa)	Slab
Piso 3	F23	88	L5 (18.2 MPa)	Slab
Piso 3	F26	89	L5 (18.2 MPa)	Slab
Piso 3	F31	90	L5 (18.2 MPa)	Slab
Piso 3	F32	121	L5 (18.2 MPa)	Slab
Piso 3	F35	192	L5 (18.2 MPa)	Slab
Piso 3	F37	91	L5 (18.2 MPa)	Slab
Piso 3	F38	122	ESC20 (18.2Mpa)	Slab
Piso 3	F44	93	L5 (18.2 MPa)	Slab
Piso 3	F45	120	L5 (18.2 MPa)	Slab
Piso 3	F48	193	L5 (18.2 MPa)	Slab
Piso 3	F51	94	L5 (18.2 MPa)	Slab
Piso 3	F52	95	L5 (18.2 MPa)	Slab
Piso 3	F53	97	L5 (18.2 MPa)	Slab
Piso 3	F56	98	L5 (18.2 MPa)	Slab
Piso 3	F57	99	L5 (18.2 MPa)	Slab
Piso 3	F58	119	L5 (18.2 MPa)	Slab
Piso 3	F59	96	L5 (18.2 MPa)	Slab
Piso 3	F60	100	L5 (18.2 MPa)	Slab
Piso 3	F61	101	L5 (18.2 MPa)	Slab
Piso 3	F65	103	L5 (18.2 MPa)	Slab
Piso 3	F68	116	L5 (18.2 MPa)	Slab

Table 3.4 - Area Assignments - Section Properties (continued)

Story	Label	UniqueName	Section Property	Property Type
Piso 3	F69	117	L5 (18.2 MPa)	Slab
Piso 3	F70	118	L5 (18.2 MPa)	Slab
Piso 3	F71	102	L5 (18.2 MPa)	Slab
Piso 3	F74	104	L5 (18.2 MPa)	Slab
Piso 3	F75	105	L5 (18.2 MPa)	Slab
Piso 3	F78	113	L5 (18.2 MPa)	Slab
Piso 3	F79	114	L5 (18.2 MPa)	Slab
Piso 3	F80	115	L5 (18.2 MPa)	Slab
Piso 3	F81	84	L5 (18.2 MPa)	Slab
Piso 3	F85	110	L5 (18.2 MPa)	Slab
Piso 3	F87	111	L5 (18.2 MPa)	Slab
Piso 3	F88	112	L5 (18.2 MPa)	Slab
Piso 3	F89	106	L5 (18.2 MPa)	Slab
Piso 3	F90	107	L5 (18.2 MPa)	Slab
Piso 3	F96	85	L5 (18.2 MPa)	Slab
Piso 3	F99	128	CUB LIV	Slab
Piso 3	F100	126	CUB LIV	Slab
Piso 3	F102	109	L5 (18.2 MPa)	Slab
Piso 3	F104	127	CUB LIV	Slab
Piso 2	F12	75	L5 (18.2 MPa)	Slab
Piso 2	F13	33	L5 (18.2 MPa)	Slab
Piso 2	F14	78	L5 (18.2 MPa)	Slab
Piso 2	F17	185	L5 (18.2 MPa)	Slab
Piso 2	F18	63	CUB LIV	Slab
Piso 2	F28	79	L5 (18.2 MPa)	Slab
Piso 2	F29	76	L5 (18.2 MPa)	Slab
Piso 2	F30	184	L5 (18.2 MPa)	Slab
Piso 2	F33	186	L5 (18.2 MPa)	Slab
Piso 2	F36	68	L5 (18.2 MPa)	Slab
Piso 2	F37	66	L5 (18.2 MPa)	Slab
Piso 2	F38	80	ESC20 (18.2Mpa)	Slab
Piso 2	F39	67	L5 (18.2 MPa)	Slab
Piso 2	F43	72	L5 (18.2 MPa)	Slab
Piso 2	F44	73	L5 (18.2 MPa)	Slab
Piso 2	F45	74	L5 (18.2 MPa)	Slab
Piso 2	F51	61	L5 (18.2 MPa)	Slab
Piso 2	F52	62	L5 (18.2 MPa)	Slab
Piso 2	F53	65	L5 (18.2 MPa)	Slab
Piso 2	F56	69	L5 (18.2 MPa)	Slab
Piso 2	F57	70	L5 (18.2 MPa)	Slab
Piso 2	F58	71	L5 (18.2 MPa)	Slab
Piso 2	F59	64	L5 (18.2 MPa)	Slab
Piso 2	F62	40	ESC20 (18.2Mpa)	Slab
Piso 2	F63	56	L5 (18.2 MPa)	Slab
Piso 2	F64	57	L5 (18.2 MPa)	Slab
Piso 2	F65	58	L5 (18.2 MPa)	Slab
Piso 2	F68	59	L5 (18.2 MPa)	Slab
Piso 2	F72	60	L5 (18.2 MPa)	Slab
Piso 2	F73	50	L5 (18.2 MPa)	Slab

Table 3.4 - Area Assignments - Section Properties (continued)

Story	Label	UniqueName	Section Property	Property Type
Piso 2	F74	51	L5 (18.2 MPa)	Slab
Piso 2	F75	52	L5 (18.2 MPa)	Slab
Piso 2	F78	53	L5 (18.2 MPa)	Slab
Piso 2	F79	54	L5 (18.2 MPa)	Slab
Piso 2	F80	55	L5 (18.2 MPa)	Slab
Piso 2	F82	47	L5 (18.2 MPa)	Slab
Piso 2	F89	45	L5 (18.2 MPa)	Slab
Piso 2	F90	46	L5 (18.2 MPa)	Slab
Piso 2	F94	48	L5 (18.2 MPa)	Slab
Piso 2	F95	49	L5 (18.2 MPa)	Slab
Piso 2	F97	77	L5 (18.2 MPa)	Slab
Piso 2	F100	41	L5 (18.2 MPa)	Slab
Piso 2	F105	44	L5 (18.2 MPa)	Slab
Piso 2	F106	81	L5 (18.2 MPa)	Slab
Piso 2	F109	42	L5 (18.2 MPa)	Slab
Piso 2	F110	43	L5 (18.2 MPa)	Slab
Piso 2	F113	39	L5 (18.2 MPa)	Slab
Piso 1	F18	31	L5 (18 Mpa)	Slab
Piso 1	F20	32	L5 (18 Mpa)	Slab
Piso 1	F22	175	L5 (18 Mpa)	Slab
Piso 1	F24	179	L5 (18 Mpa)	Slab
Piso 1	F25	183	L5 (18 Mpa)	Slab
Piso 1	F27	34	L5 (18 Mpa)	Slab
Piso 1	F28	36	L5 (18 Mpa)	Slab
Piso 1	F37	27	L5 (18 Mpa)	Slab
Piso 1	F38	20	ESC20 (18Mpa)	Slab
Piso 1	F41	29	L5 (18 Mpa)	Slab
Piso 1	F44	30	L5 (18 Mpa)	Slab
Piso 1	F45	35	L5 (18 Mpa)	Slab
Piso 1	F51	21	L5 (18 Mpa)	Slab
Piso 1	F52	22	L5 (18 Mpa)	Slab
Piso 1	F55	24	L5 (18 Mpa)	Slab
Piso 1	F57	25	L5 (18 Mpa)	Slab
Piso 1	F58	26	L5 (18 Mpa)	Slab
Piso 1	F59	23	L5 (18 Mpa)	Slab
Piso 1	F62	28	ESC20 (18Mpa)	Slab
Piso 1	F63	16	L5 (18 Mpa)	Slab
Piso 1	F64	17	L5 (18 Mpa)	Slab
Piso 1	F67	18	L5 (18 Mpa)	Slab
Piso 1	F72	19	L5 (18 Mpa)	Slab
Piso 1	F73	11	L5 (18 Mpa)	Slab
Piso 1	F74	12	L5 (18 Mpa)	Slab
Piso 1	F77	13	L5 (18 Mpa)	Slab
Piso 1	F79	14	L5 (18 Mpa)	Slab
Piso 1	F80	15	L5 (18 Mpa)	Slab
Piso 1	F89	6	L5 (18 Mpa)	Slab
Piso 1	F90	7	L5 (18 Mpa)	Slab
Piso 1	F92	8	L5 (18 Mpa)	Slab
Piso 1	F94	9	L5 (18 Mpa)	Slab

Table 3.4 - Area Assignments - Section Properties (continued)

Story	Label	UniqueName	Section Property	Property Type
Piso 1	F95	10	L5 (18 Mpa)	Slab
Piso 1	F107	2	L5 (18 Mpa)	Slab
Piso 1	F108	3	L5 (18 Mpa)	Slab
Piso 1	F109	4	L5 (18 Mpa)	Slab
Piso 1	F110	1	ESC20 (18Mpa)	Slab
Piso 1	F111	37	CUB LIV	Slab
Piso 1	F112	38	CUB LIV	Slab
Piso 1	F113	5	L5 (18 Mpa)	Slab

4 Loads

This chapter provides loading information as applied to the model.

4.1 Load Patterns

Table 4.1 - Load Pattern Definitions

Name	Is Auto Load	Type	Self Weight Multiplier	Auto Load
~LLRF	Yes	Other	0	
D	No	Dead	0	
Ez	No	Other	0	
L	No	Live	0	
Le	No	Other	0	
Lr	No	Live	0	
Pp	No	Dead	1	
Sismo X	No	Seismic	0	User Coefficient
Sismo Y	No	Seismic	0	User Coefficient

4.2 Auto Seismic Loading

Table 4.2 - Load Pattern Definitions - Auto Seismic - User Coefficient (Part 1 of 2)

Name	Is Auto Load	X Dir?	X Dir Plus Ecc?	X Dir Minus Ecc?	Y Dir?	Y Dir Plus Ecc?	Y Dir Minus Ecc?	Ecc Ratio	Top Story	Bottom Story	C	K
Sismo X	No	No	Yes	No	No	No	No	0.05	Cubierta	Sotano	0.5625	1
Sismo Y	No	No	No	No	No	Yes	No	0.05	Cubierta	Sotano	0.5625	1

Table 4.2 - Load Pattern Definitions - Auto Seismic - User Coefficient (Part 2 of 2)

Weight Used kN	Base Shear kN
16508.5985	9286.0867
16508.5985	9286.0867

4.3 Applied Loads

4.3.1 Line Loads

Table 4.3 - Frame Loads Assignments - Distributed (Part 1 of 2)

Story	Label	UniqueName	Load Pattern	Load Type	Direction	Distance Type	Relative Distance A	Relative Distance B	Absolute Distance A m
Cubierta	B10	647	D	Force	Gravity	Relative	0	1	0
Cubierta	B11	648	D	Force	Gravity	Relative	0	1	0
Cubierta	B12	649	D	Force	Gravity	Relative	0	1	0
Cubierta	B14	612	D	Force	Gravity	Relative	0	1	0
Cubierta	B15	614	D	Force	Gravity	Relative	0	1	0
Cubierta	B20	654	D	Force	Gravity	Relative	0	1	0
Cubierta	B26	624	D	Force	Gravity	Relative	0	1	0
Cubierta	B27	608	D	Force	Gravity	Relative	0	1	0
Cubierta	B29	609	D	Force	Gravity	Relative	0	1	0
Cubierta	B30	610	D	Force	Gravity	Relative	0	1	0
Cubierta	B31	625	D	Force	Gravity	Relative	0	1	0

Table 4.3 - Frame Loads Assignments - Distributed (Part 1 of 2, continued)

Story	Label	UniqueName	Load Pattern	Load Type	Direction	Distance Type	Relative Distance A	Relative Distance B	Absolute Distance A m
Cubierta	B39	643	D	Force	Gravity	Relative	0	1	0
Cubierta	B40	498	D	Force	Gravity	Relative	0	1	0
Cubierta	B41	503	D	Force	Gravity	Relative	0	1	0
Cubierta	B42	645	D	Force	Gravity	Relative	0	1	0
Cubierta	B45	655	D	Force	Gravity	Relative	0	1	0
Cubierta	B46	660	D	Force	Gravity	Relative	0	1	0
Cubierta	B48	664	D	Force	Gravity	Relative	0	1	0
Cubierta	B50	619	D	Force	Gravity	Relative	0	1	0
Cubierta	B52	620	D	Force	Gravity	Relative	0	1	0
Cubierta	B53	541	D	Force	Gravity	Relative	0	1	0
Cubierta	B54	561	D	Force	Gravity	Relative	0	1	0
Cubierta	B57	562	D	Force	Gravity	Relative	0	1	0
Cubierta	B58	543	D	Force	Gravity	Relative	0	1	0
Cubierta	B59	621	D	Force	Gravity	Relative	0	1	0
Cubierta	B61	622	D	Force	Gravity	Relative	0	1	0
Cubierta	B62	449	D	Force	Gravity	Relative	0	1	0
Cubierta	B63	353	D	Force	Gravity	Relative	0	1	0
Cubierta	B64	400	D	Force	Gravity	Relative	0	1	0
Cubierta	B67	489	D	Force	Gravity	Relative	0	1	0
Cubierta	B74	659	D	Force	Gravity	Relative	0	1	0
Cubierta	B76	546	D	Force	Gravity	Relative	0	1	0
Cubierta	B77	374	D	Force	Gravity	Relative	0	1	0
Cubierta	B78	421	D	Force	Gravity	Relative	0	1	0
Cubierta	B81	378	D	Force	Gravity	Relative	0	1	0
Cubierta	B83	520	D	Force	Gravity	Relative	0	1	0
Cubierta	B85	710	D	Force	Gravity	Relative	0	1	0
Cubierta	B91	490	D	Force	Gravity	Relative	0	1	0
Cubierta	B92	486	D	Force	Gravity	Relative	0	1	0
Cubierta	B93	443	D	Force	Gravity	Relative	0	1	0
Cubierta	B94	558	D	Force	Gravity	Relative	0	1	0
Cubierta	B96	690	D	Force	Gravity	Relative	0	1	0
Cubierta	B98	483	D	Force	Gravity	Relative	0	1	0
Cubierta	B99	521	D	Force	Gravity	Relative	0	1	0
Cubierta	B100	557	D	Force	Gravity	Relative	0	1	0
Cubierta	B101	481	D	Force	Gravity	Relative	0	1	0
Cubierta	B106	658	D	Force	Gravity	Relative	0	1	0
Cubierta	B107	691	D	Force	Gravity	Relative	0	1	0
Cubierta	B109	559	D	Force	Gravity	Relative	0	1	0
Cubierta	B110	311	D	Force	Gravity	Relative	0	1	0
Cubierta	B112	522	D	Force	Gravity	Relative	0	1	0
Cubierta	B113	692	D	Force	Gravity	Relative	0	1	0
Cubierta	B115	357	D	Force	Gravity	Relative	0	1	0
Cubierta	B118	533	D	Force	Gravity	Relative	0	1	0
Cubierta	B120	536	D	Force	Gravity	Relative	0	1	0
Cubierta	B122	523	D	Force	Gravity	Relative	0	0.5992	0
Cubierta	B122	523	D	Force	Gravity	Relative	0.5992	1	2.84
Cubierta	B124	442	D	Force	Gravity	Relative	0	1	0

Table 4.3 - Frame Loads Assignments - Distributed (Part 1 of 2, continued)

Story	Label	UniqueName	Load Pattern	Load Type	Direction	Distance Type	Relative Distance A	Relative Distance B	Absolute Distance A m
Cubierta	B127	544	D	Force	Gravity	Relative	0	1	0
Cubierta	B128	627	D	Force	Gravity	Relative	0	1	0
Cubierta	B129	629	D	Force	Gravity	Relative	0	1	0
Cubierta	B130	694	D	Force	Gravity	Relative	0	1	0
Cubierta	B131	702	D	Force	Gravity	Relative	0	1	0
Cubierta	B134	526	D	Force	Gravity	Relative	0	1	0
Cubierta	B139	657	D	Force	Gravity	Relative	0	1	0
Cubierta	B140	695	D	Force	Gravity	Relative	0	1	0
Cubierta	B141	703	D	Force	Gravity	Relative	0	1	0
Cubierta	B144	628	D	Force	Gravity	Relative	0	1	0
Cubierta	B145	630	D	Force	Gravity	Relative	0	1	0
Cubierta	B146	696	D	Force	Gravity	Relative	0	1	0
Cubierta	B147	704	D	Force	Gravity	Relative	0	1	0
Cubierta	B153	484	D	Force	Gravity	Relative	0	1	0
Cubierta	B154	532	D	Force	Gravity	Relative	0	1	0
Cubierta	B156	535	D	Force	Gravity	Relative	0	1	0
Cubierta	B157	485	D	Force	Gravity	Relative	0	1	0
Cubierta	B158	431	D	Force	Gravity	Relative	0	1	0
Cubierta	B159	684	D	Force	Gravity	Relative	0	1	0
Cubierta	B161	685	D	Force	Gravity	Relative	0	1	0
Cubierta	B164	496	D	Force	Gravity	Relative	0	1	0
Cubierta	B168	656	D	Force	Gravity	Relative	0	1	0
Cubierta	B169	686	D	Force	Gravity	Relative	0	1	0
Cubierta	B171	89	D	Force	Gravity	Relative	0	1	0
Cubierta	B172	482	D	Force	Gravity	Relative	0	1	0
Cubierta	B173	538	D	Force	Gravity	Relative	0	1	0
Cubierta	B174	706	D	Force	Gravity	Relative	0	1	0
Cubierta	B175	707	D	Force	Gravity	Relative	0	1	0
Cubierta	B178	708	D	Force	Gravity	Relative	0	1	0
Cubierta	B179	709	D	Force	Gravity	Relative	0	1	0
Cubierta	B180	540	D	Force	Gravity	Relative	0	1	0
Cubierta	B182	633	D	Force	Gravity	Relative	0	0.8143	0
Cubierta	B182	633	D	Force	Gravity	Relative	0.8143	1	3.86
Cubierta	B184	426	D	Force	Gravity	Relative	0	1	0
Cubierta	B185	556	D	Force	Gravity	Relative	0	1	0
Cubierta	B190	425	D	Force	Gravity	Relative	0	1	0
Cubierta	B191	554	D	Force	Gravity	Relative	0	1	0
Cubierta	B196	507	D	Force	Gravity	Relative	0	1	0
Cubierta	B200	113	D	Force	Gravity	Relative	0	1	0
Cubierta	B202	422	D	Force	Gravity	Relative	0	1	0
Cubierta	B203	553	D	Force	Gravity	Relative	0	1	0
Cubierta	B207	479	D	Force	Gravity	Relative	0	1	0
Cubierta	B217	527	D	Force	Gravity	Relative	0	1	0
Cubierta	B218	529	D	Force	Gravity	Relative	0	1	0
Cubierta	B230	568	D	Force	Gravity	Relative	0	1	0
Cubierta	B232	569	D	Force	Gravity	Relative	0	1	0

Table 4.3 - Frame Loads Assignments - Distributed (Part 2 of 2)

Absolute Distance B m	Force A kN/m	Force B kN/m
3.1	1.32	1.32
6.45	1.32	1.32
2.5	1.32	1.32
3.17	1.32	1.32
3.17	1.32	1.32
1.73	1.32	1.32
1.85	1.32	1.32
1.25	1.32	1.32
6.45	1.32	1.32
1	1.32	1.32
1.5	1.32	1.32
5.52	1.32	1.32
5.52	1.32	1.32
5.52	1.32	1.32
5.52	1.32	1.32
3.24	1.32	1.32
0.98	1.32	1.32
1.65	1.32	1.32
2.73	1.32	1.32
1.85	1.32	1.32
2.18	1.32	1.32
2.16	1.32	1.32
2.16	1.32	1.32
2.2	1.32	1.32
1.5	1.32	1.32
3.24	1.32	1.32
0.98	1.32	1.32
1.27	1.32	1.32
1.27	1.32	1.32
1.35	1.32	1.32
4.19	1.32	1.32
2.92	1.32	1.32
2.92	1.32	1.32
2.92	1.32	1.32
1.35	1.32	1.32
1.68	5.07	5.07
1.44	1.32	1.32
2.2	1.32	1.32
4.74	1.32	1.32
0.98	1.32	1.32
1.9	1.32	1.32
1.92	1.32	1.32
2.15	5.07	5.07
2.15	5.07	5.07
1.35	1.32	1.32
1.68	5.07	5.07
4.75	1.32	1.32

Table 4.3 - Frame Loads Assignments - Distributed (Part 2 of 2, continued)

Absolute Distance B m	Force A kN/m	Force B kN/m
1.92	1.32	1.32
2.85	5.07	5.07
2.85	5.07	5.07
2.6	1.32	1.32
0.91	1.32	1.32
1.35	5.07	5.07
2.18	1.32	1.32
2.2	1.32	1.32
2.84	1.32	1.32
4.74	1.32	1.32
0.98	1.32	1.32
2.88	1.32	1.32
2.88	1.32	1.32
2.88	1.32	1.32
1.92	1.32	1.32
1.92	1.32	1.32
1.35	1.32	1.32
7.34	1.32	1.32
1.92	1.32	1.32
1.92	1.32	1.32
4.46	1.32	1.32
4.46	1.32	1.32
1.92	1.32	1.32
1.92	1.32	1.32
4.58	1.32	1.32
2.18	1.32	1.32
2.2	1.32	1.32
4.74	1.32	1.32
0.98	1.32	1.32
1.35	1.32	1.32
1.92	1.32	1.32
5.19	1.32	1.32
5.19	1.32	1.32
1.92	1.32	1.32
1.35	1.32	1.32
4.58	1.32	1.32
2.18	1.32	1.32
1.44	1.32	1.32
0.72	1.32	1.32
0.72	1.32	1.32
1.44	1.32	1.32
2.2	1.32	1.32
3.86	1.32	1.32
4.74	1.32	1.32
0.98	1.32	1.32
2.03	1.32	1.32

Table 4.3 - Frame Loads Assignments - Distributed (Part 2 of 2, continued)

Absolute Distance B m	Force A kN/m	Force B kN/m
2.16	1.32	1.32
1.35	1.32	1.32
4.2	1.32	1.32
4.74	1.32	1.32
0.98	1.32	1.32
2.17	1.32	1.32
4.58	1.32	1.32
2.07	1.32	1.32
2.07	1.32	1.32
4.34	1.32	1.32
4.36	1.32	1.32

4.3.2 Area Loads

Table 4.4 - Area Load Assignments - Uniform

Story	Label	UniqueName	Load Pattern	Direction	Load kN/m2
Cubierta	F50	138	L	Gravity	7
Piso 3	F2	83	L	Gravity	5
Piso 3	F3	190	L	Gravity	5
Piso 3	F4	188	L	Gravity	5
Piso 3	F5	82	L	Gravity	2
Piso 3	F7	187	L	Gravity	2
Piso 3	F8	191	L	Gravity	2
Piso 3	F9	189	L	Gravity	2
Piso 3	F11	86	L	Gravity	2
Piso 3	F21	87	L	Gravity	2
Piso 3	F23	88	L	Gravity	2
Piso 3	F26	89	L	Gravity	2
Piso 3	F31	90	L	Gravity	5
Piso 3	F32	121	L	Gravity	5
Piso 3	F35	192	L	Gravity	2
Piso 3	F37	91	L	Gravity	2
Piso 3	F38	122	L	Gravity	3
Piso 3	F44	93	L	Gravity	2
Piso 3	F45	120	L	Gravity	2
Piso 3	F48	193	L	Gravity	3
Piso 3	F51	94	L	Gravity	2
Piso 3	F52	95	L	Gravity	2
Piso 3	F53	97	L	Gravity	3
Piso 3	F56	98	L	Gravity	3
Piso 3	F57	99	L	Gravity	2
Piso 3	F58	119	L	Gravity	2
Piso 3	F59	96	L	Gravity	2
Piso 3	F60	100	L	Gravity	2
Piso 3	F61	101	L	Gravity	2
Piso 3	F65	103	L	Gravity	3
Piso 3	F68	116	L	Gravity	3

Table 4.4 - Area Load Assignments - Uniform (continued)

Story	Label	UniqueName	Load Pattern	Direction	Load kN/m2
Piso 3	F69	117	L	Gravity	2
Piso 3	F70	118	L	Gravity	2
Piso 3	F71	102	L	Gravity	2
Piso 3	F74	104	L	Gravity	2
Piso 3	F75	105	L	Gravity	3
Piso 3	F78	113	L	Gravity	3
Piso 3	F79	114	L	Gravity	2
Piso 3	F80	115	L	Gravity	2
Piso 3	F81	84	L	Gravity	3
Piso 3	F85	110	L	Gravity	2
Piso 3	F87	111	L	Gravity	2
Piso 3	F88	112	L	Gravity	2
Piso 3	F89	106	L	Gravity	2
Piso 3	F90	107	L	Gravity	2
Piso 3	F96	85	L	Gravity	2
Piso 3	F102	109	L	Gravity	2
Piso 2	F12	75	L	Gravity	2
Piso 2	F13	33	L	Gravity	5
Piso 2	F14	78	L	Gravity	5
Piso 2	F17	185	L	Gravity	2
Piso 2	F28	79	L	Gravity	2
Piso 2	F29	76	L	Gravity	2
Piso 2	F30	184	L	Gravity	2
Piso 2	F33	186	L	Gravity	3
Piso 2	F36	68	L	Gravity	3
Piso 2	F37	66	L	Gravity	2
Piso 2	F38	80	L	Gravity	3
Piso 2	F39	67	L	Gravity	3
Piso 2	F43	72	L	Gravity	3
Piso 2	F44	73	L	Gravity	2
Piso 2	F45	74	L	Gravity	2
Piso 2	F51	61	L	Gravity	2
Piso 2	F52	62	L	Gravity	2
Piso 2	F53	65	L	Gravity	3
Piso 2	F56	69	L	Gravity	3
Piso 2	F57	70	L	Gravity	2
Piso 2	F58	71	L	Gravity	2
Piso 2	F59	64	L	Gravity	2
Piso 2	F62	40	L	Gravity	3
Piso 2	F63	56	L	Gravity	2
Piso 2	F64	57	L	Gravity	2
Piso 2	F65	58	L	Gravity	3
Piso 2	F68	59	L	Gravity	3
Piso 2	F72	60	L	Gravity	2
Piso 2	F73	50	L	Gravity	2
Piso 2	F74	51	L	Gravity	2
Piso 2	F75	52	L	Gravity	3
Piso 2	F78	53	L	Gravity	3
Piso 2	F79	54	L	Gravity	2

Table 4.4 - Area Load Assignments - Uniform (continued)

Story	Label	UniqueName	Load Pattern	Direction	Load kN/m2
Piso 2	F80	55	L	Gravity	2
Piso 2	F82	47	L	Gravity	3
Piso 2	F89	45	L	Gravity	2
Piso 2	F90	46	L	Gravity	2
Piso 2	F94	48	L	Gravity	2
Piso 2	F95	49	L	Gravity	2
Piso 2	F97	77	L	Gravity	2
Piso 2	F100	41	L	Gravity	2
Piso 2	F105	44	L	Gravity	2
Piso 2	F106	81	L	Gravity	2
Piso 2	F109	42	L	Gravity	2
Piso 2	F110	43	L	Gravity	2
Piso 2	F113	39	L	Gravity	2
Piso 1	F18	31	L	Gravity	2
Piso 1	F20	32	L	Gravity	2
Piso 1	F22	175	L	Gravity	2
Piso 1	F24	179	L	Gravity	3
Piso 1	F25	183	L	Gravity	2
Piso 1	F27	34	L	Gravity	2
Piso 1	F28	36	L	Gravity	2
Piso 1	F37	27	L	Gravity	2
Piso 1	F38	20	L	Gravity	3
Piso 1	F41	29	L	Gravity	3
Piso 1	F44	30	L	Gravity	2
Piso 1	F45	35	L	Gravity	2
Piso 1	F51	21	L	Gravity	2
Piso 1	F52	22	L	Gravity	2
Piso 1	F55	24	L	Gravity	3
Piso 1	F57	25	L	Gravity	2
Piso 1	F58	26	L	Gravity	2
Piso 1	F59	23	L	Gravity	2
Piso 1	F62	28	L	Gravity	3
Piso 1	F63	16	L	Gravity	2
Piso 1	F64	17	L	Gravity	2
Piso 1	F67	18	L	Gravity	3
Piso 1	F72	19	L	Gravity	2
Piso 1	F73	11	L	Gravity	2
Piso 1	F74	12	L	Gravity	2
Piso 1	F77	13	L	Gravity	3
Piso 1	F79	14	L	Gravity	2
Piso 1	F80	15	L	Gravity	2
Piso 1	F89	6	L	Gravity	2
Piso 1	F90	7	L	Gravity	2
Piso 1	F92	8	L	Gravity	3
Piso 1	F94	9	L	Gravity	2
Piso 1	F95	10	L	Gravity	2
Piso 1	F107	2	L	Gravity	2
Piso 1	F108	3	L	Gravity	2
Piso 1	F109	4	L	Gravity	2

Table 4.4 - Area Load Assignments - Uniform (continued)

Story	Label	UniqueName	Load Pattern	Direction	Load kN/m2
Piso 1	F110	1	L	Gravity	3
Piso 1	F113	5	L	Gravity	2
Cubierta	F1	130	D	Gravity	2.5
Cubierta	F6	150	D	Gravity	0.35
Cubierta	F8	151	D	Gravity	0.35
Cubierta	F10	152	D	Gravity	0.35
Cubierta	F21	145	D	Gravity	0.35
Cubierta	F23	146	D	Gravity	0.35
Cubierta	F26	147	D	Gravity	0.35
Cubierta	F31	148	D	Gravity	0.35
Cubierta	F32	149	D	Gravity	0.35
Cubierta	F34	142	D	Gravity	2.5
Cubierta	F40	155	D	Gravity	0.35
Cubierta	F42	156	D	Gravity	0.35
Cubierta	F44	157	D	Gravity	0.35
Cubierta	F45	158	D	Gravity	0.35
Cubierta	F46	153	D	Gravity	0.35
Cubierta	F47	141	D	Gravity	2.5
Cubierta	F49	144	D	Gravity	2.5
Cubierta	F52	140	D	Gravity	2.5
Cubierta	F53	159	D	Gravity	0.35
Cubierta	F54	135	D	Gravity	0.35
Cubierta	F56	160	D	Gravity	0.35
Cubierta	F57	161	D	Gravity	0.35
Cubierta	F58	162	D	Gravity	0.35
Cubierta	F59	143	D	Gravity	2.5
Cubierta	F60	154	D	Gravity	0.35
Cubierta	F61	139	D	Gravity	2.5
Cubierta	F65	163	D	Gravity	0.35
Cubierta	F66	133	D	Gravity	0.35
Cubierta	F68	164	D	Gravity	0.35
Cubierta	F69	165	D	Gravity	0.35
Cubierta	F70	166	D	Gravity	0.35
Cubierta	F71	137	D	Gravity	2.5
Cubierta	F74	167	D	Gravity	0.35
Cubierta	F75	168	D	Gravity	0.35
Cubierta	F76	131	D	Gravity	0.35
Cubierta	F78	169	D	Gravity	0.35
Cubierta	F79	170	D	Gravity	0.35
Cubierta	F80	171	D	Gravity	0.35
Cubierta	F83	172	D	Gravity	0.35
Cubierta	F84	173	D	Gravity	0.35
Cubierta	F86	178	D	Gravity	0.35
Cubierta	F88	180	D	Gravity	0.35
Cubierta	F91	176	D	Gravity	0.35
Cubierta	F93	177	D	Gravity	0.35
Cubierta	F98	174	D	Gravity	0.35
Cubierta	F101	181	D	Gravity	0.35
Cubierta	F103	182	D	Gravity	0.35

Table 4.4 - Area Load Assignments - Uniform (continued)

Story	Label	UniqueName	Load Pattern	Direction	Load kN/m2
Piso 3	F2	83	D	Gravity	4.5
Piso 3	F3	190	D	Gravity	4.5
Piso 3	F4	188	D	Gravity	4.5
Piso 3	F5	82	D	Gravity	4.5
Piso 3	F7	187	D	Gravity	4.5
Piso 3	F8	191	D	Gravity	4.5
Piso 3	F9	189	D	Gravity	4.5
Piso 3	F11	86	D	Gravity	4.5
Piso 3	F15	124	D	Gravity	0.35
Piso 3	F16	125	D	Gravity	0.35
Piso 3	F18	129	D	Gravity	0.35
Piso 3	F19	123	D	Gravity	0.35
Piso 3	F21	87	D	Gravity	4.5
Piso 3	F23	88	D	Gravity	4.5
Piso 3	F26	89	D	Gravity	4.5
Piso 3	F31	90	D	Gravity	4.5
Piso 3	F32	121	D	Gravity	4.5
Piso 3	F35	192	D	Gravity	4.5
Piso 3	F37	91	D	Gravity	4.5
Piso 3	F38	122	D	Gravity	3.5
Piso 3	F44	93	D	Gravity	4.5
Piso 3	F45	120	D	Gravity	4.5
Piso 3	F48	193	D	Gravity	2.5
Piso 3	F51	94	D	Gravity	4.5
Piso 3	F52	95	D	Gravity	4.5
Piso 3	F53	97	D	Gravity	2.5
Piso 3	F56	98	D	Gravity	2.5
Piso 3	F57	99	D	Gravity	4.5
Piso 3	F58	119	D	Gravity	4.5
Piso 3	F59	96	D	Gravity	4.5
Piso 3	F60	100	D	Gravity	4.5
Piso 3	F61	101	D	Gravity	4.5
Piso 3	F65	103	D	Gravity	2.5
Piso 3	F68	116	D	Gravity	2.5
Piso 3	F69	117	D	Gravity	4.5
Piso 3	F70	118	D	Gravity	4.5
Piso 3	F71	102	D	Gravity	4.5
Piso 3	F74	104	D	Gravity	4.5
Piso 3	F75	105	D	Gravity	2.5
Piso 3	F78	113	D	Gravity	2.5
Piso 3	F79	114	D	Gravity	4.5
Piso 3	F80	115	D	Gravity	4.5
Piso 3	F81	84	D	Gravity	2.5
Piso 3	F85	110	D	Gravity	4.5
Piso 3	F87	111	D	Gravity	4.5
Piso 3	F88	112	D	Gravity	4.5
Piso 3	F89	106	D	Gravity	4.5
Piso 3	F90	107	D	Gravity	4.5
Piso 3	F96	85	D	Gravity	4.5

Table 4.4 - Area Load Assignments - Uniform (continued)

Story	Label	UniqueName	Load Pattern	Direction	Load kN/m2
Piso 3	F99	128	D	Gravity	0.35
Piso 3	F100	126	D	Gravity	0.35
Piso 3	F102	109	D	Gravity	4.5
Piso 3	F104	127	D	Gravity	0.35
Piso 2	F12	75	D	Gravity	4.5
Piso 2	F13	33	D	Gravity	4.5
Piso 2	F14	78	D	Gravity	4.5
Piso 2	F17	185	D	Gravity	4.5
Piso 2	F18	63	D	Gravity	0.35
Piso 2	F28	79	D	Gravity	4.5
Piso 2	F29	76	D	Gravity	4.5
Piso 2	F30	184	D	Gravity	4.5
Piso 2	F33	186	D	Gravity	2.5
Piso 2	F36	68	D	Gravity	2.5
Piso 2	F37	66	D	Gravity	4.5
Piso 2	F38	80	D	Gravity	3.5
Piso 2	F39	67	D	Gravity	2.5
Piso 2	F43	72	D	Gravity	2.5
Piso 2	F44	73	D	Gravity	4.5
Piso 2	F45	74	D	Gravity	4.5
Piso 2	F51	61	D	Gravity	4.5
Piso 2	F52	62	D	Gravity	4.5
Piso 2	F53	65	D	Gravity	2.5
Piso 2	F56	69	D	Gravity	2.5
Piso 2	F57	70	D	Gravity	4.5
Piso 2	F58	71	D	Gravity	4.5
Piso 2	F59	64	D	Gravity	4.5
Piso 2	F62	40	D	Gravity	3.5
Piso 2	F63	56	D	Gravity	4.5
Piso 2	F64	57	D	Gravity	4.5
Piso 2	F65	58	D	Gravity	2.5
Piso 2	F68	59	D	Gravity	2.5
Piso 2	F72	60	D	Gravity	4.5
Piso 2	F73	50	D	Gravity	4.5
Piso 2	F74	51	D	Gravity	4.5
Piso 2	F75	52	D	Gravity	2.5
Piso 2	F78	53	D	Gravity	2.5
Piso 2	F79	54	D	Gravity	4.5
Piso 2	F80	55	D	Gravity	4.5
Piso 2	F82	47	D	Gravity	2.5
Piso 2	F89	45	D	Gravity	4.5
Piso 2	F90	46	D	Gravity	4.5
Piso 2	F94	48	D	Gravity	4.5
Piso 2	F95	49	D	Gravity	4.5
Piso 2	F97	77	D	Gravity	4.5
Piso 2	F100	41	D	Gravity	4.5
Piso 2	F105	44	D	Gravity	4.5
Piso 2	F106	81	D	Gravity	4.5
Piso 2	F109	42	D	Gravity	4.5

Table 4.4 - Area Load Assignments - Uniform (continued)

Story	Label	UniqueName	Load Pattern	Direction	Load kN/m2
Piso 2	F110	43	D	Gravity	4.5
Piso 2	F113	39	D	Gravity	4.5
Piso 1	F18	31	D	Gravity	5.36
Piso 1	F20	32	D	Gravity	5.36
Piso 1	F22	175	D	Gravity	5.36
Piso 1	F24	179	D	Gravity	3.36
Piso 1	F25	183	D	Gravity	5.36
Piso 1	F27	34	D	Gravity	5.36
Piso 1	F28	36	D	Gravity	5.36
Piso 1	F37	27	D	Gravity	5.36
Piso 1	F38	20	D	Gravity	3.5
Piso 1	F41	29	D	Gravity	3.36
Piso 1	F44	30	D	Gravity	5.36
Piso 1	F45	35	D	Gravity	5.36
Piso 1	F51	21	D	Gravity	5.36
Piso 1	F52	22	D	Gravity	5.36
Piso 1	F55	24	D	Gravity	3.36
Piso 1	F57	25	D	Gravity	5.36
Piso 1	F58	26	D	Gravity	5.36
Piso 1	F59	23	D	Gravity	5.36
Piso 1	F62	28	D	Gravity	3.5
Piso 1	F63	16	D	Gravity	5.36
Piso 1	F64	17	D	Gravity	5.36
Piso 1	F67	18	D	Gravity	3.36
Piso 1	F72	19	D	Gravity	5.36
Piso 1	F73	11	D	Gravity	5.36
Piso 1	F74	12	D	Gravity	5.36
Piso 1	F77	13	D	Gravity	3.36
Piso 1	F79	14	D	Gravity	5.36
Piso 1	F80	15	D	Gravity	5.36
Piso 1	F89	6	D	Gravity	5.36
Piso 1	F90	7	D	Gravity	5.36
Piso 1	F92	8	D	Gravity	3.36
Piso 1	F94	9	D	Gravity	5.36
Piso 1	F95	10	D	Gravity	5.36
Piso 1	F107	2	D	Gravity	5.36
Piso 1	F108	3	D	Gravity	5.36
Piso 1	F109	4	D	Gravity	5.36
Piso 1	F110	1	D	Gravity	3.5
Piso 1	F111	37	D	Gravity	0.35
Piso 1	F112	38	D	Gravity	0.35
Piso 1	F113	5	D	Gravity	5.36
Cubierta	F1	130	Le	Gravity	1
Cubierta	F6	150	Le	Gravity	1
Cubierta	F8	151	Le	Gravity	1
Cubierta	F10	152	Le	Gravity	1
Cubierta	F21	145	Le	Gravity	1
Cubierta	F23	146	Le	Gravity	1
Cubierta	F26	147	Le	Gravity	1

Table 4.4 - Area Load Assignments - Uniform (continued)

Story	Label	UniqueName	Load Pattern	Direction	Load kN/m2
Cubierta	F31	148	Le	Gravity	1
Cubierta	F32	149	Le	Gravity	1
Cubierta	F34	142	Le	Gravity	1
Cubierta	F40	155	Le	Gravity	1
Cubierta	F42	156	Le	Gravity	1
Cubierta	F44	157	Le	Gravity	1
Cubierta	F45	158	Le	Gravity	1
Cubierta	F46	153	Le	Gravity	1
Cubierta	F47	141	Le	Gravity	1
Cubierta	F49	144	Le	Gravity	1
Cubierta	F50	138	Le	Gravity	1
Cubierta	F52	140	Le	Gravity	1
Cubierta	F53	159	Le	Gravity	1
Cubierta	F54	135	Le	Gravity	1
Cubierta	F56	160	Le	Gravity	1
Cubierta	F57	161	Le	Gravity	1
Cubierta	F58	162	Le	Gravity	1
Cubierta	F59	143	Le	Gravity	1
Cubierta	F60	154	Le	Gravity	1
Cubierta	F61	139	Le	Gravity	1
Cubierta	F65	163	Le	Gravity	1
Cubierta	F66	133	Le	Gravity	1
Cubierta	F68	164	Le	Gravity	1
Cubierta	F69	165	Le	Gravity	1
Cubierta	F70	166	Le	Gravity	1
Cubierta	F71	137	Le	Gravity	1
Cubierta	F74	167	Le	Gravity	1
Cubierta	F75	168	Le	Gravity	1
Cubierta	F76	131	Le	Gravity	1
Cubierta	F78	169	Le	Gravity	1
Cubierta	F79	170	Le	Gravity	1
Cubierta	F80	171	Le	Gravity	1
Cubierta	F83	172	Le	Gravity	1
Cubierta	F84	173	Le	Gravity	1
Cubierta	F86	178	Le	Gravity	1
Cubierta	F88	180	Le	Gravity	1
Cubierta	F91	176	Le	Gravity	1
Cubierta	F93	177	Le	Gravity	1
Cubierta	F98	174	Le	Gravity	1
Cubierta	F101	181	Le	Gravity	1
Cubierta	F103	182	Le	Gravity	1
Piso 3	F15	124	Le	Gravity	1
Piso 3	F16	125	Le	Gravity	1
Piso 3	F18	129	Le	Gravity	1
Piso 3	F19	123	Le	Gravity	1
Piso 3	F99	128	Le	Gravity	1
Piso 3	F100	126	Le	Gravity	1
Piso 3	F104	127	Le	Gravity	1
Piso 2	F18	63	Le	Gravity	1

Table 4.4 - Area Load Assignments - Uniform (continued)

Story	Label	UniqueName	Load Pattern	Direction	Load kN/m2
Piso 1	F111	37	Le	Gravity	1
Piso 1	F112	38	Le	Gravity	1
Cubierta	F1	130	Lr	Gravity	1.8
Cubierta	F6	150	Lr	Gravity	0.5
Cubierta	F8	151	Lr	Gravity	0.5
Cubierta	F10	152	Lr	Gravity	0.5
Cubierta	F21	145	Lr	Gravity	0.5
Cubierta	F23	146	Lr	Gravity	0.5
Cubierta	F26	147	Lr	Gravity	0.5
Cubierta	F31	148	Lr	Gravity	0.5
Cubierta	F32	149	Lr	Gravity	0.5
Cubierta	F34	142	Lr	Gravity	1.8
Cubierta	F40	155	Lr	Gravity	0.5
Cubierta	F42	156	Lr	Gravity	0.5
Cubierta	F44	157	Lr	Gravity	0.5
Cubierta	F45	158	Lr	Gravity	0.5
Cubierta	F46	153	Lr	Gravity	0.5
Cubierta	F47	141	Lr	Gravity	1.8
Cubierta	F49	144	Lr	Gravity	1.8
Cubierta	F52	140	Lr	Gravity	1.8
Cubierta	F53	159	Lr	Gravity	0.5
Cubierta	F54	135	Lr	Gravity	0.5
Cubierta	F56	160	Lr	Gravity	0.5
Cubierta	F57	161	Lr	Gravity	0.5
Cubierta	F58	162	Lr	Gravity	0.5
Cubierta	F59	143	Lr	Gravity	1.8
Cubierta	F60	154	Lr	Gravity	0.5
Cubierta	F61	139	Lr	Gravity	1.8
Cubierta	F65	163	Lr	Gravity	0.5
Cubierta	F66	133	Lr	Gravity	0.5
Cubierta	F68	164	Lr	Gravity	0.5
Cubierta	F69	165	Lr	Gravity	0.5
Cubierta	F70	166	Lr	Gravity	0.5
Cubierta	F71	137	Lr	Gravity	1.8
Cubierta	F74	167	Lr	Gravity	0.5
Cubierta	F75	168	Lr	Gravity	0.5
Cubierta	F76	131	Lr	Gravity	0.5
Cubierta	F78	169	Lr	Gravity	0.5
Cubierta	F79	170	Lr	Gravity	0.5
Cubierta	F80	171	Lr	Gravity	0.5
Cubierta	F83	172	Lr	Gravity	0.5
Cubierta	F84	173	Lr	Gravity	0.5
Cubierta	F86	178	Lr	Gravity	0.5
Cubierta	F88	180	Lr	Gravity	0.5
Cubierta	F91	176	Lr	Gravity	0.5
Cubierta	F93	177	Lr	Gravity	0.5
Cubierta	F98	174	Lr	Gravity	0.5
Cubierta	F101	181	Lr	Gravity	0.5
Cubierta	F103	182	Lr	Gravity	0.5

Table 4.4 - Area Load Assignments - Uniform (continued)

Story	Label	UniqueName	Load Pattern	Direction	Load kN/m2
Piso 3	F15	124	Lr	Gravity	0.5
Piso 3	F16	125	Lr	Gravity	0.5
Piso 3	F18	129	Lr	Gravity	0.5
Piso 3	F19	123	Lr	Gravity	0.5
Piso 3	F99	128	Lr	Gravity	0.5
Piso 3	F100	126	Lr	Gravity	0.5
Piso 3	F104	127	Lr	Gravity	0.5
Piso 2	F18	63	Lr	Gravity	0.5
Piso 1	F111	37	Lr	Gravity	0.5
Piso 1	F112	38	Lr	Gravity	0.5

4.4 Functions

4.4.1 Response Spectrum Functions

Table 4.5 - Functions - Response Spectrum - User Defined

Name	Period sec	Value	Damping Ratio
Tipo D G1	0	0.5625	0.05
Tipo D G1	0.1	0.5625	
Tipo D G1	0.2	0.5625	
Tipo D G1	0.3	0.5625	
Tipo D G1	0.4	0.5625	
Tipo D G1	0.5	0.5625	
Tipo D G1	0.6	0.5625	
Tipo D G1	0.7	0.5625	
Tipo D G1	0.8	0.5625	
Tipo D G1	0.9	0.5333	
Tipo D G1	1	0.48	
Tipo D G1	1.2	0.4	
Tipo D G1	1.5	0.32	
Tipo D G1	1.7	0.2824	
Tipo D G1	2	0.24	
Tipo D G1	2.5	0.192	
Tipo D G1	3	0.16	
Tipo D G1	3.5	0.1371	
Tipo D G1	4	0.12	
Tipo D G1	5	0.0922	
Tipo D G1	8	0.036	
Tipo D G1	11	0.019	
Tipo D G1	15	0.0102	
Tipo D G2	0	0.6188	0.05
Tipo D G2	0.1	0.6188	
Tipo D G2	0.2	0.6188	
Tipo D G2	0.3	0.6188	
Tipo D G2	0.4	0.6188	
Tipo D G2	0.5	0.6188	
Tipo D G2	0.6	0.6188	
Tipo D G2	0.7	0.6188	
Tipo D G2	0.8	0.6188	

Table 4.5 - Functions - Response Spectrum - User Defined (continued)

Name	Period sec	Value	Damping Ratio
Tipo D G2	0.9	0.5867	
Tipo D G2	1	0.528	
Tipo D G2	1.2	0.44	
Tipo D G2	1.5	0.352	
Tipo D G2	1.7	0.3106	
Tipo D G2	2	0.264	
Tipo D G2	2.5	0.2112	
Tipo D G2	3	0.176	
Tipo D G2	3.5	0.1509	
Tipo D G2	4	0.132	
Tipo D G2	5	0.1014	
Tipo D G2	8	0.0396	
Tipo D G2	11	0.0209	
Tipo D G2	15	0.0113	

4.5 Load Cases

Table 4.6 - Load Case Definitions - Summary

Name	Type
Modal	Modal - Eigen
Pp	Linear Static
L	Linear Static
D	Linear Static
Sismo X	Linear Static
Sismo Y	Linear Static
Le	Linear Static
Der X	Response Spectrum
Der Y	Response Spectrum
Dis. X	Response Spectrum
Dis. Y	Response Spectrum
Lr	Linear Static
Ez	Linear Static

4.6 Load Combinations

Table 4.7 - Load Combination Definitions

Name	Type	Is Auto	Load Name	SF	Notes
C1	Linear Add	No	Pp	1.4	
C1			D	1.4	
C2	Linear Add	No	Pp	1.2	
C2			D	1.2	
C2			L	1.6	
C2			Lr	0.5	
C2.1	Linear Add	No	Pp	1.2	
C2.1			D	1.2	
C2.1			L	1.6	
C2.1			Le	0.5	
C3	Linear Add	No	Pp	1.2	
C3			D	1.2	

Table 4.7 - Load Combination Definitions (continued)

Name	Type	Is Auto	Load Name	SF	Notes
C3			Lr	1.6	
C3			L	1	
C3.1	Linear Add	No	Pp	1.2	
C3.1			D	1.2	
C3.1			Le	1.6	
C3.1			L	1	
C4	Linear Add	No	Pp	1.2	
C4			D	1.2	
C4			L	1	
C4			Lr	0.5	
C4.1	Linear Add	No	Pp	1.2	
C4.1			D	1.2	
C4.1			L	1	
C4.1			Le	0.5	
C5	Linear Add	No	Pp	1.2	
C5			D	1.2	
C5			Dis. X	1	
C5			Dis. Y	0.3	
C5			L	1	
C5			Ez	1	
C5.1	Linear Add	No	Pp	1.2	
C5.1			D	1.2	
C5.1			Dis. X	0.3	
C5.1			Dis. Y	1	
C5.1			L	1	
C5.1			Ez	1	
C6	Linear Add	No	Pp	0.9	
C6			D	0.9	
C7	Linear Add	No	Pp	0.9	
C7			D	0.9	
C7			Dis. X	1	
C7			Dis. Y	0.3	
C7			Ez	1	
C7.1	Linear Add	No	Pp	0.9	
C7.1			D	0.9	
C7.1			Dis. X	0.3	
C7.1			Dis. Y	1	
C7.1			Ez	1	
Envol	Envelope	No	C1	1	
Envol			C2	1	
Envol			C2.1	1	
Envol			C3	1	
Envol			C4	1	
Envol			C5	1	
Envol			C5.1	1	
Envol			C6	1	
Envol			C7	1	
Envol			C7.1	1	
EnvolS	Envelope	No	S1	1	

Table 4.7 - Load Combination Definitions (continued)

Name	Type	Is Auto	Load Name	SF	Notes
EnvolS			S2	1	
EnvolS			S4	1	
EnvolS			S6	1	
EnvolS			S6.1	1	
EnvolS			S8	1	
EnvolS			S8.1	1	
EnvolS			S10	1	
EnvolS			S10.1	1	
S1	Linear Add	No	Pp	1	
S1			D	1	
S2	Linear Add	No	Pp	1	
S2			D	1	
S2			L	1	
S3	Linear Add	No	Pp	1	
S3			D	1	
S3			Lr	1	
S4	Linear Add	No	Pp	1	
S4			D	1	
S4			L	0.75	
S4			Lr	0.75	
S6	Linear Add	No	Pp	1	
S6			D	1	
S6			Dis. X	0.7	
S6			Dis. Y	0.21	
S6.1	Linear Add	No	Pp	1	
S6.1			D	1	
S6.1			Dis. X	0.21	
S6.1			Dis. Y	0.7	
S8	Linear Add	No	Pp	1	
S8			D	1	
S8			L	0.75	
S8			Dis. X	0.525	
S8			Dis. Y	0.1575	
S8			Lr	0.75	
S8.1	Linear Add	No	Pp	1	
S8.1			D	1	
S8.1			L	0.75	
S8.1			Dis. X	0.1575	
S8.1			Dis. Y	0.525	
S8.1			Lr	0.75	
S10	Linear Add	No	Pp	0.6	
S10			D	0.6	
S10			Dis. X	0.7	
S10			Dis. Y	0.21	
S10.1	Linear Add	No	Pp	0.6	
S10.1			D	0.6	
S10.1			Dis. X	0.21	
S10.1			Dis. Y	0.7	