

ENTRADA DE DATOS ETABS

LOCALIZACION DE NUDOS EN SISTEMA DE COORDENADAS

TABLE: Joint Coordinates

Point	X	Y	DZBelow						
1	0	0	0						
2	6.3	0	0						
3	12.6	0	0						
4	18.9	0	0						
5	25.2	0	0						
6	0	5	0						
7	6.3	5	0						
8	12.6	5	0						
9	18.9	5	0						
10	25.2	5	0						
11	0	10	0						
12	6.3	10	0						
13	8.8	10	0						
14	12.6	10	0						
15	16.4	10	0						
16	18.9	10	0						
17	25.2	10	0						
34	0	15	0						
35	6.3	15	0						
36	8.8	15	0						
37	12.6	15	0						
38	16.4	15	0						
39	18.9	15	0						
40	25.2	15	0						
41	0	20	0						
42	6.3	20	0						
43	12.6	20	0						
44	18.9	20	0						
45	25.2	20	0						
46	0	25	0						
47	6.3	25	0						
48	12.6	25	0						
49	18.9	25	0						
50	25.2	25	0						

CONECTIVIDAD DE ELEMENTOS FRAME

TABLE: Connectivity - Frame

Beam	IEndPt	JEndPt						
B1	1	2						
B2	2	3						
B3	3	4						
B4	4	5						
B5	6	7						
B6	7	8						
B7	8	9						
B8	9	10						
B9	11	12						
B10	12	13						
B11	13	14						
B12	14	15						
B13	15	16						
B14	16	17						
B15	34	35						
B16	35	36						
B17	36	37						
B18	37	38						
B19	38	39						
B20	39	40						
B21	41	42						
B22	42	43						
B23	43	44						
B24	44	45						
B25	46	47						
B26	47	48						
B27	48	49						
B28	49	50						
B29	1	6						
B30	6	11						
B31	11	34						
B32	34	41						
B33	41	46						
B34	2	7						
B35	7	12						
B36	12	35						
B37	35	42						
B38	42	47						
B39	3	8						
B40	8	14						
B41	14	37						
B42	37	43						
B43	43	48						
B44	4	9						
B45	9	16						
B46	16	39						
B47	39	44						
B48	44	49						
B49	5	10						
B50	10	17						
B51	17	40						
B52	40	45						
B53	45	50						
Column	IEndPt	JEndPt						
C1	1	1						
C2	2	2						
C3	3	3						
C4	4	4						
C5	5	5						
C6	6	6						
C7	7	7						
C8	8	8						
C9	9	9						
C10	10	10						
C11	11	11						
C12	12	12						
C13	14	14						
C14	16	16						
C15	17	17						
C16	34	34						
C17	35	35						
C18	37	37						
C19	39	39						
C20	40	40						
C21	41	41						

C22	42	42
C23	43	43
C24	44	44
C25	45	45
C26	46	46
C27	47	47
C28	48	48
C29	49	49
C30	50	50

TABLE: Preferences - Concrete Design - ACI 318-08/IBC2009

THDesign	NumCurves	NumPoints	MinEccen	PatLLF	UFLimit	SeisCat	PhiT	PhiCTied	PhiCSpiral	PhiV	PhiVSeismi	PhiVJoint
Text	Unitless	Unitless	Yes/No	Unitless	Unitless	Text	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless
Envelopes	24	11	Yes	0.75	0.95	D	0.9	0.65	0.7	0.75	0.6	0.85

TABLE: Material Properties

Material	Type	Mass	Weight	E	Poisson	ThermCoeff	G	DesignType	SteelFy	SteelFu	SteelCost	ConcFc
FY4200	Isotropic	7.8271	76.82	199900000	0.3	0.0000117	76884615	Steel	420000	620000	271447.16	0
CONC0	Isotropic	1E-20	1E-20	0	0	1E-20	0	Conc	0	0	0	0
28MPA	Isotropic	2.3536	23.536	24869664.9	0.2	0.0000117	10362360	Conc	0	0	0	28000
21MPA	Isotropic	2.3536	23.536	21535403.8	0.2	0.0000117	8973084.9	Conc	0	0	0	21000

TABLE: Concret Column Section Data

SecLabel	MatLabel	ColDepth	ColWidth	RebarPatt	ConcCover	BarArea
C80X80	28MPA	0.8	0.8	RR-7-7	0.0627	0.0002839

TABLE: Concret Beam Section Data

SecLabel	MatLabel	BeamDepth	BeamWidth	TopCover	BotCover
V40X40	21MPA	0.4	0.4	0.055	0.055
V50X40	21MPA	0.4	0.5	0.05	0.05

TABLE: Shell Section Data

Section	Material	Type	OneWay	MembThick	BendThick	TotalWt	TotalMass	F11MOD	F22MOD	F12MOD	M11MOD	M22MOD
MURO20	28MPA	Shell-Thin	No	0.2	0.2	6778.368	677.8368	1	1	1	1	1
PIS00	CONC0	Membrane	Yes	0.05	0.05	0	0	1	1	1	1	1

Response Spectrum Case

Case	Damping	ModalCombo	GMCf1	GMCf2	DirCombo	ABSSF	U1Func	U1SF	U2Func	U2SF	Angle	Eccen
SDX	0.05	CQC	0	0	SRSS	0	L500	10.554	0	0	0	0.05
SDY	0.05	CQC	0	0	SRSS	0	0	0	L500	11.578	0	0.05
SDX	0.05	CQC	0	0	SRSS	0	L500	10.554	0	0	0	0.05
SDY	0.05	CQC	0	0	SRSS	0	0	0	L500	11.578	0	0.05

TABLE: Area Assignments

Story	Area	AreaType
STORY16	W1	Wall
STORY16	W2	Wall
STORY16	W3	Wall
STORY16	W4	Wall
STORY16	W5	Wall
STORY16	W6	Wall
STORY16	W7	Wall
STORY16	W8	Wall
STORY15	W1	Wall
STORY15	W2	Wall
STORY15	W3	Wall
STORY15	W4	Wall
STORY15	W5	Wall
STORY15	W6	Wall
STORY15	W7	Wall
STORY15	W8	Wall
STORY14	W1	Wall
STORY14	W2	Wall
STORY14	W3	Wall
STORY14	W4	Wall
STORY14	W5	Wall
STORY14	W6	Wall
STORY14	W7	Wall
STORY14	W8	Wall
STORY13	W1	Wall
STORY13	W2	Wall
STORY13	W3	Wall
STORY13	W4	Wall
STORY13	W5	Wall
STORY13	W6	Wall
STORY13	W7	Wall
STORY13	W8	Wall
STORY12	W1	Wall
STORY12	W2	Wall
STORY12	W3	Wall

STORY12	W4	Wall
STORY12	W5	Wall
STORY12	W6	Wall
STORY12	W7	Wall
STORY12	W8	Wall
STORY11	W1	Wall
STORY11	W2	Wall
STORY11	W3	Wall
STORY11	W4	Wall
STORY11	W5	Wall
STORY11	W6	Wall
STORY11	W7	Wall
STORY11	W8	Wall
STORY10	W1	Wall
STORY10	W2	Wall
STORY10	W3	Wall
STORY10	W4	Wall
STORY10	W5	Wall
STORY10	W6	Wall
STORY10	W7	Wall
STORY10	W8	Wall
STORY9	W1	Wall
STORY9	W2	Wall
STORY9	W3	Wall
STORY9	W4	Wall
STORY9	W5	Wall
STORY9	W6	Wall
STORY9	W7	Wall
STORY9	W8	Wall
STORY8	W1	Wall
STORY8	W2	Wall
STORY8	W3	Wall
STORY8	W4	Wall
STORY8	W5	Wall
STORY8	W6	Wall
STORY8	W7	Wall
STORY8	W8	Wall
STORY7	W1	Wall
STORY7	W2	Wall
STORY7	W3	Wall
STORY7	W4	Wall
STORY7	W5	Wall
STORY7	W6	Wall
STORY7	W7	Wall
STORY7	W8	Wall
STORY6	W1	Wall
STORY6	W2	Wall
STORY6	W3	Wall
STORY6	W4	Wall
STORY6	W5	Wall
STORY6	W6	Wall
STORY6	W7	Wall
STORY6	W8	Wall
STORY5	W1	Wall
STORY5	W2	Wall
STORY5	W3	Wall
STORY5	W4	Wall
STORY5	W5	Wall
STORY5	W6	Wall
STORY5	W7	Wall
STORY5	W8	Wall
STORY4	W1	Wall
STORY4	W2	Wall
STORY4	W3	Wall
STORY4	W4	Wall
STORY4	W5	Wall
STORY4	W6	Wall
STORY4	W7	Wall
STORY4	W8	Wall
STORY3	W1	Wall
STORY3	W2	Wall

STORY3	W3	Wall
STORY3	W4	Wall
STORY3	W5	Wall
STORY3	W6	Wall
STORY3	W7	Wall
STORY3	W8	Wall
STORY2	W1	Wall
STORY2	W2	Wall
STORY2	W3	Wall
STORY2	W4	Wall
STORY2	W5	Wall
STORY2	W6	Wall
STORY2	W7	Wall
STORY2	W8	Wall
STORY1	W1	Wall
STORY1	W2	Wall
STORY1	W3	Wall
STORY1	W4	Wall
STORY1	W5	Wall
STORY1	W6	Wall
STORY1	W7	Wall
STORY1	W8	Wall
STORY16	F1	Floor
STORY16	F2	Floor
STORY16	F3	Floor
STORY16	F4	Floor
STORY16	F5	Floor
STORY16	F6	Floor
STORY16	F7	Floor
STORY16	F8	Floor
STORY16	F9	Floor
STORY16	F10	Floor
STORY16	F11	Floor
STORY16	F12	Floor
STORY16	F13	Floor
STORY16	F14	Floor
STORY16	F15	Floor
STORY16	F16	Floor
STORY16	F17	Floor
STORY16	F18	Floor
STORY16	F19	Floor
STORY16	F20	Floor
STORY15	F1	Floor
STORY15	F2	Floor
STORY15	F3	Floor
STORY15	F4	Floor
STORY15	F5	Floor
STORY15	F6	Floor
STORY15	F7	Floor
STORY15	F8	Floor
STORY15	F9	Floor
STORY15	F10	Floor
STORY15	F11	Floor
STORY15	F12	Floor
STORY15	F13	Floor
STORY15	F14	Floor
STORY15	F15	Floor
STORY15	F16	Floor
STORY15	F17	Floor
STORY15	F18	Floor
STORY15	F19	Floor
STORY15	F20	Floor
STORY14	F1	Floor
STORY14	F2	Floor
STORY14	F3	Floor
STORY14	F4	Floor
STORY14	F5	Floor
STORY14	F6	Floor
STORY14	F7	Floor
STORY14	F8	Floor
STORY14	F9	Floor

STORY14	F10	Floor
STORY14	F11	Floor
STORY14	F12	Floor
STORY14	F13	Floor
STORY14	F14	Floor
STORY14	F15	Floor
STORY14	F16	Floor
STORY14	F17	Floor
STORY14	F18	Floor
STORY14	F19	Floor
STORY14	F20	Floor
STORY13	F1	Floor
STORY13	F2	Floor
STORY13	F3	Floor
STORY13	F4	Floor
STORY13	F5	Floor
STORY13	F6	Floor
STORY13	F7	Floor
STORY13	F8	Floor
STORY13	F9	Floor
STORY13	F10	Floor
STORY13	F11	Floor
STORY13	F12	Floor
STORY13	F13	Floor
STORY13	F14	Floor
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STORY13	F16	Floor
STORY13	F17	Floor
STORY13	F18	Floor
STORY13	F19	Floor
STORY13	F20	Floor
STORY12	F1	Floor
STORY12	F2	Floor
STORY12	F3	Floor
STORY12	F4	Floor
STORY12	F5	Floor
STORY12	F6	Floor
STORY12	F7	Floor
STORY12	F8	Floor
STORY12	F9	Floor
STORY12	F10	Floor
STORY12	F11	Floor
STORY12	F12	Floor
STORY12	F13	Floor
STORY12	F14	Floor
STORY12	F15	Floor
STORY12	F16	Floor
STORY12	F17	Floor
STORY12	F18	Floor
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STORY12	F20	Floor
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STORY11	F2	Floor
STORY11	F3	Floor
STORY11	F4	Floor
STORY11	F5	Floor
STORY11	F6	Floor
STORY11	F7	Floor
STORY11	F8	Floor
STORY11	F9	Floor
STORY11	F10	Floor
STORY11	F11	Floor
STORY11	F12	Floor
STORY11	F13	Floor
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STORY11	F15	Floor
STORY11	F16	Floor
STORY11	F17	Floor
STORY11	F18	Floor
STORY11	F19	Floor
STORY11	F20	Floor

STORY10	F1	Floor
STORY10	F2	Floor
STORY10	F3	Floor
STORY10	F4	Floor
STORY10	F5	Floor
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STORY10	F12	Floor
STORY10	F13	Floor
STORY10	F14	Floor
STORY10	F15	Floor
STORY10	F16	Floor
STORY10	F17	Floor
STORY10	F18	Floor
STORY10	F19	Floor
STORY10	F20	Floor
STORY9	F1	Floor
STORY9	F2	Floor
STORY9	F3	Floor
STORY9	F4	Floor
STORY9	F5	Floor
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STORY9	F11	Floor
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STORY9	F16	Floor
STORY9	F17	Floor
STORY9	F18	Floor
STORY9	F19	Floor
STORY9	F20	Floor
STORY8	F1	Floor
STORY8	F2	Floor
STORY8	F3	Floor
STORY8	F4	Floor
STORY8	F5	Floor
STORY8	F6	Floor
STORY8	F7	Floor
STORY8	F8	Floor
STORY8	F9	Floor
STORY8	F10	Floor
STORY8	F11	Floor
STORY8	F12	Floor
STORY8	F13	Floor
STORY8	F14	Floor
STORY8	F15	Floor
STORY8	F16	Floor
STORY8	F17	Floor
STORY8	F18	Floor
STORY8	F19	Floor
STORY8	F20	Floor
STORY7	F1	Floor
STORY7	F2	Floor
STORY7	F3	Floor
STORY7	F4	Floor
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STORY7	F6	Floor
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STORY7	F17	Floor
STORY7	F18	Floor
STORY7	F19	Floor
STORY7	F20	Floor
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STORY6	F2	Floor
STORY6	F3	Floor
STORY6	F4	Floor
STORY6	F5	Floor
STORY6	F6	Floor
STORY6	F7	Floor
STORY6	F8	Floor
STORY6	F9	Floor
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STORY6	F14	Floor
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STORY6	F17	Floor
STORY6	F18	Floor
STORY6	F19	Floor
STORY6	F20	Floor
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STORY5	F2	Floor
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STORY5	F4	Floor
STORY5	F5	Floor
STORY5	F6	Floor
STORY5	F7	Floor
STORY5	F8	Floor
STORY5	F9	Floor
STORY5	F10	Floor
STORY5	F11	Floor
STORY5	F12	Floor
STORY5	F13	Floor
STORY5	F14	Floor
STORY5	F15	Floor
STORY5	F16	Floor
STORY5	F17	Floor
STORY5	F18	Floor
STORY5	F19	Floor
STORY5	F20	Floor
STORY4	F1	Floor
STORY4	F2	Floor
STORY4	F3	Floor
STORY4	F4	Floor
STORY4	F5	Floor
STORY4	F6	Floor
STORY4	F7	Floor
STORY4	F8	Floor
STORY4	F9	Floor
STORY4	F10	Floor
STORY4	F11	Floor
STORY4	F12	Floor
STORY4	F13	Floor
STORY4	F14	Floor
STORY4	F15	Floor
STORY4	F16	Floor
STORY4	F17	Floor
STORY4	F18	Floor
STORY4	F19	Floor
STORY4	F20	Floor
STORY3	F1	Floor
STORY3	F2	Floor

STORY3	F3	Floor
STORY3	F4	Floor
STORY3	F5	Floor
STORY3	F6	Floor
STORY3	F7	Floor
STORY3	F8	Floor
STORY3	F9	Floor
STORY3	F10	Floor
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STORY3	F12	Floor
STORY3	F13	Floor
STORY3	F14	Floor
STORY3	F15	Floor
STORY3	F16	Floor
STORY3	F17	Floor
STORY3	F18	Floor
STORY3	F19	Floor
STORY3	F20	Floor
STORY2	F1	Floor
STORY2	F2	Floor
STORY2	F3	Floor
STORY2	F4	Floor
STORY2	F5	Floor
STORY2	F6	Floor
STORY2	F7	Floor
STORY2	F8	Floor
STORY2	F9	Floor
STORY2	F10	Floor
STORY2	F11	Floor
STORY2	F12	Floor
STORY2	F13	Floor
STORY2	F14	Floor
STORY2	F15	Floor
STORY2	F16	Floor
STORY2	F17	Floor
STORY2	F18	Floor
STORY2	F19	Floor
STORY2	F20	Floor
STORY1	F1	Floor
STORY1	F2	Floor
STORY1	F3	Floor
STORY1	F4	Floor
STORY1	F5	Floor
STORY1	F6	Floor
STORY1	F7	Floor
STORY1	F8	Floor
STORY1	F9	Floor
STORY1	F10	Floor
STORY1	F11	Floor
STORY1	F12	Floor
STORY1	F13	Floor
STORY1	F14	Floor
STORY1	F15	Floor
STORY1	F16	Floor
STORY1	F17	Floor
STORY1	F18	Floor
STORY1	F19	Floor
STORY1	F20	Floor

DRIG	STORY1	B17	Force	Gravity	0	1	0	3.8	13.18	13.18
DRIG	STORY1	B18	Force	Gravity	0	1	0	3.8	13.18	13.18
DRIG	STORY1	B19	Force	Gravity	0	1	0	2.5	13.18	13.18
DRIG	STORY1	B20	Force	Gravity	0	1	0	6.3	13.18	13.18
DRIG	STORY1	B21	Force	Gravity	0	1	0	6.3	13.18	13.18
DRIG	STORY1	B22	Force	Gravity	0	1	0	6.3	13.18	13.18
DRIG	STORY1	B23	Force	Gravity	0	1	0	6.3	13.18	13.18
DRIG	STORY1	B24	Force	Gravity	0	1	0	6.3	13.18	13.18
DRIG	STORY1	B25	Force	Gravity	0	1	0	6.3	13.18	13.18
DRIG	STORY1	B26	Force	Gravity	0	1	0	6.3	13.18	13.18
DRIG	STORY1	B27	Force	Gravity	0	1	0	6.3	13.18	13.18
DRIG	STORY1	B28	Force	Gravity	0	1	0	6.3	13.18	13.18

CARGAS DISTRIBUIDAS SOBRE AREAS

TABLE: Area Loads - Uniform

Case	Story	Area	Direction	LoadPerArea
D	STORY16	F1	Gravity	7.159
D	STORY16	F2	Gravity	7.159
D	STORY16	F3	Gravity	7.159
D	STORY16	F4	Gravity	7.159
D	STORY16	F5	Gravity	7.159
D	STORY16	F6	Gravity	7.159
D	STORY16	F7	Gravity	7.159
D	STORY16	F8	Gravity	7.159
D	STORY16	F9	Gravity	7.159
D	STORY16	F10	Gravity	7.159
D	STORY16	F11	Gravity	7.159
D	STORY16	F12	Gravity	7.159
D	STORY16	F13	Gravity	7.159
D	STORY16	F14	Gravity	7.159
D	STORY16	F15	Gravity	7.159
D	STORY16	F16	Gravity	7.159
D	STORY16	F17	Gravity	7.159
D	STORY16	F18	Gravity	7.159
D	STORY16	F19	Gravity	7.159
D	STORY16	F20	Gravity	7.159
D	STORY15	F1	Gravity	7.159
D	STORY15	F2	Gravity	7.159
D	STORY15	F3	Gravity	7.159
D	STORY15	F4	Gravity	7.159
D	STORY15	F5	Gravity	7.159
D	STORY15	F6	Gravity	7.159
D	STORY15	F7	Gravity	7.159
D	STORY15	F8	Gravity	7.159
D	STORY15	F9	Gravity	7.159
D	STORY15	F10	Gravity	7.159
D	STORY15	F11	Gravity	7.159
D	STORY15	F12	Gravity	7.159
D	STORY15	F13	Gravity	7.159
D	STORY15	F14	Gravity	7.159
D	STORY15	F15	Gravity	7.159
D	STORY15	F16	Gravity	7.159
D	STORY15	F17	Gravity	7.159
D	STORY15	F18	Gravity	7.159
D	STORY15	F19	Gravity	7.159
D	STORY15	F20	Gravity	7.159
D	STORY14	F1	Gravity	7.159
D	STORY14	F2	Gravity	7.159
D	STORY14	F3	Gravity	7.159
D	STORY14	F4	Gravity	7.159
D	STORY14	F5	Gravity	7.159
D	STORY14	F6	Gravity	7.159
D	STORY14	F7	Gravity	7.159
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L	STORY6	F7	Gravity	1.765
L	STORY6	F8	Gravity	1.765
L	STORY6	F9	Gravity	1.765
L	STORY6	F10	Gravity	1.765
L	STORY6	F11	Gravity	1.765
L	STORY6	F12	Gravity	1.765
L	STORY6	F13	Gravity	1.765
L	STORY6	F14	Gravity	1.765
L	STORY6	F15	Gravity	1.765
L	STORY6	F16	Gravity	1.765
L	STORY6	F17	Gravity	1.765
L	STORY6	F18	Gravity	1.765
L	STORY6	F19	Gravity	1.765
L	STORY6	F20	Gravity	1.765
L	STORY5	F1	Gravity	1.765
L	STORY5	F2	Gravity	1.765
L	STORY5	F3	Gravity	1.765
L	STORY5	F4	Gravity	1.765
L	STORY5	F5	Gravity	1.765
L	STORY5	F6	Gravity	1.765
L	STORY5	F7	Gravity	1.765
L	STORY5	F8	Gravity	1.765
L	STORY5	F9	Gravity	1.765
L	STORY5	F10	Gravity	1.765
L	STORY5	F11	Gravity	1.765
L	STORY5	F12	Gravity	1.765
L	STORY5	F13	Gravity	1.765
L	STORY5	F14	Gravity	1.765
L	STORY5	F15	Gravity	1.765
L	STORY5	F16	Gravity	1.765
L	STORY5	F17	Gravity	1.765
L	STORY5	F18	Gravity	1.765
L	STORY5	F19	Gravity	1.765
L	STORY5	F20	Gravity	1.765
L	STORY4	F1	Gravity	1.765
L	STORY4	F2	Gravity	1.765
L	STORY4	F3	Gravity	1.765
L	STORY4	F4	Gravity	1.765
L	STORY4	F5	Gravity	1.765
L	STORY4	F6	Gravity	1.765
L	STORY4	F7	Gravity	1.765
L	STORY4	F8	Gravity	1.765
L	STORY4	F9	Gravity	1.765
L	STORY4	F10	Gravity	1.765
L	STORY4	F11	Gravity	1.765
L	STORY4	F12	Gravity	1.765
L	STORY4	F13	Gravity	1.765
L	STORY4	F14	Gravity	1.765
L	STORY4	F15	Gravity	1.765
L	STORY4	F16	Gravity	1.765
L	STORY4	F17	Gravity	1.765
L	STORY4	F18	Gravity	1.765
L	STORY4	F19	Gravity	1.765
L	STORY4	F20	Gravity	1.765
L	STORY3	F1	Gravity	1.765
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L	STORY3	F3	Gravity	1.765
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L	STORY3	F7	Gravity	1.765
L	STORY3	F8	Gravity	1.765
L	STORY3	F9	Gravity	1.765
L	STORY3	F10	Gravity	1.765

L	STORY3	F11	Gravity	1.765
L	STORY3	F12	Gravity	1.765
L	STORY3	F13	Gravity	1.765
L	STORY3	F14	Gravity	1.765
L	STORY3	F15	Gravity	1.765
L	STORY3	F16	Gravity	1.765
L	STORY3	F17	Gravity	1.765
L	STORY3	F18	Gravity	1.765
L	STORY3	F19	Gravity	1.765
L	STORY3	F20	Gravity	1.765
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L	STORY2	F3	Gravity	1.765
L	STORY2	F4	Gravity	1.765
L	STORY2	F5	Gravity	1.765
L	STORY2	F6	Gravity	1.765
L	STORY2	F7	Gravity	1.765
L	STORY2	F8	Gravity	1.765
L	STORY2	F9	Gravity	1.765
L	STORY2	F10	Gravity	1.765
L	STORY2	F11	Gravity	1.765
L	STORY2	F12	Gravity	1.765
L	STORY2	F13	Gravity	1.765
L	STORY2	F14	Gravity	1.765
L	STORY2	F15	Gravity	1.765
L	STORY2	F16	Gravity	1.765
L	STORY2	F17	Gravity	1.765
L	STORY2	F18	Gravity	1.765
L	STORY2	F19	Gravity	1.765
L	STORY2	F20	Gravity	1.765
L	STORY1	F1	Gravity	1.765
L	STORY1	F2	Gravity	1.765
L	STORY1	F3	Gravity	1.765
L	STORY1	F4	Gravity	1.765
L	STORY1	F5	Gravity	1.765
L	STORY1	F6	Gravity	1.765
L	STORY1	F7	Gravity	1.765
L	STORY1	F8	Gravity	1.765
L	STORY1	F9	Gravity	1.765
L	STORY1	F10	Gravity	1.765
L	STORY1	F11	Gravity	1.765
L	STORY1	F12	Gravity	1.765
L	STORY1	F13	Gravity	1.765
L	STORY1	F14	Gravity	1.765
L	STORY1	F15	Gravity	1.765
L	STORY1	F16	Gravity	1.765
L	STORY1	F17	Gravity	1.765
L	STORY1	F18	Gravity	1.765
L	STORY1	F19	Gravity	1.765
L	STORY1	F20	Gravity	1.765
LR	STORY16	F1	Gravity	1.765
LR	STORY16	F2	Gravity	1.765
LR	STORY16	F3	Gravity	1.765
LR	STORY16	F4	Gravity	1.765
LR	STORY16	F5	Gravity	1.765
LR	STORY16	F6	Gravity	1.765
LR	STORY16	F7	Gravity	1.765
LR	STORY16	F8	Gravity	1.765
LR	STORY16	F9	Gravity	1.765
LR	STORY16	F10	Gravity	1.765
LR	STORY16	F11	Gravity	1.765
LR	STORY16	F12	Gravity	1.765
LR	STORY16	F13	Gravity	1.765
LR	STORY16	F14	Gravity	1.765
LR	STORY16	F15	Gravity	1.765
LR	STORY16	F16	Gravity	1.765

LR	STORY16	F17	Gravity	1.765
LR	STORY16	F18	Gravity	1.765
LR	STORY16	F19	Gravity	1.765
LR	STORY16	F20	Gravity	1.765

FUERZAS SISMICAS

TABLE: RS Funtion User

Name	Period	Acceleration	SortID						
L500	0.000	0.356	1						
L500	0.379	0.356	2						
L500	0.561	0.356	3						
L500	0.743	0.356	4						
L500	0.925	0.356	5						
L500	1.107	0.356	6						
L500	1.288	0.356	7						
L500	1.470	0.356	8						
L500	1.652	0.356	9						
L500	1.819	0.356	10						
L500	1.978	0.328	11						
L500	2.137	0.303	12						
L500	2.296	0.282	13						
L500	2.455	0.264	14						
L500	2.614	0.248	15						
L500	2.773	0.234	16						
L500	2.932	0.221	17						
L500	3.091	0.210	18						
L500	3.250	0.199	19						
L500	3.409	0.190	20						
L500	3.569	0.182	21						
L500	3.728	0.174	22						
L500	3.887	0.167	23						
L500	4.046	0.160	24						
L500	4.205	0.154	25						
L500	4.364	0.148	26						
L500	4.523	0.143	27						
L500	4.682	0.138	28						
L500	4.841	0.134	29						
L500	5.000	0.130	30						
L500	5.159	0.122	31						
L500	5.318	0.115	32						
L500	5.477	0.108	33						
L500	5.636	0.102	34						
L500	5.795	0.096	35						
L500	5.954	0.091	36						
L500	6.113	0.087	37						
L500	6.272	0.082	38						
L500	6.431	0.078	39						
L500	6.591	0.075	40						
L500	6.750	0.071	41						
L500	6.909	0.068	42						
L500	7.068	0.065	43						
L500	7.227	0.062	44						

ASIGNACIÓN DE APOYOS EN LA BASE

TABLE: Support Restraint Assignments

Story	Point	UX	UY	UZ	RX	RY
BASE	1	Yes	Yes	Yes	Yes	Yes
BASE	2	Yes	Yes	Yes	Yes	Yes
BASE	3	Yes	Yes	Yes	Yes	Yes
BASE	4	Yes	Yes	Yes	Yes	Yes
BASE	5	Yes	Yes	Yes	Yes	Yes
BASE	6	Yes	Yes	Yes	Yes	Yes
BASE	7	Yes	Yes	Yes	Yes	Yes
BASE	8	Yes	Yes	Yes	Yes	Yes
BASE	9	Yes	Yes	Yes	Yes	Yes
BASE	10	Yes	Yes	Yes	Yes	Yes
BASE	11	Yes	Yes	Yes	Yes	Yes
BASE	12	Yes	Yes	Yes	Yes	Yes
BASE	13	Yes	Yes	Yes		
BASE	14	Yes	Yes	Yes	Yes	Yes
BASE	15	Yes	Yes	Yes		
BASE	16	Yes	Yes	Yes	Yes	Yes
BASE	17	Yes	Yes	Yes	Yes	Yes
BASE	34	Yes	Yes	Yes	Yes	Yes
BASE	35	Yes	Yes	Yes	Yes	Yes
BASE	36	Yes	Yes	Yes		
BASE	37	Yes	Yes	Yes	Yes	Yes

BASE	38	Yes	Yes	Yes	
BASE	39	Yes	Yes	Yes	Yes
BASE	40	Yes	Yes	Yes	Yes
BASE	41	Yes	Yes	Yes	Yes
BASE	42	Yes	Yes	Yes	Yes
BASE	43	Yes	Yes	Yes	Yes
BASE	44	Yes	Yes	Yes	Yes
BASE	45	Yes	Yes	Yes	Yes
BASE	46	Yes	Yes	Yes	Yes
BASE	47	Yes	Yes	Yes	Yes
BASE	48	Yes	Yes	Yes	Yes
BASE	49	Yes	Yes	Yes	Yes
BASE	50	Yes	Yes	Yes	Yes

ASIGNACIÓN DE DIAFRAGMAS

TABLE: Joint Constraint Assignments

Joint	Constrain	Type
Text	Text	Text
STORY16	F1	D16
STORY16	F2	D16
STORY16	F3	D16
STORY16	F4	D16
STORY16	F5	D16
STORY16	F6	D16
STORY16	F7	D16
STORY16	F8	D16
STORY16	F9	D16
STORY16	F10	D16
STORY16	F11	D16
STORY16	F12	D16
STORY16	F13	D16
STORY16	F14	D16
STORY16	F15	D16
STORY16	F16	D16
STORY16	F17	D16
STORY16	F18	D16
STORY16	F19	D16
STORY16	F20	D16
STORY15	F1	D15
STORY15	F2	D15
STORY15	F3	D15
STORY15	F4	D15
STORY15	F5	D15
STORY15	F6	D15
STORY15	F7	D15
STORY15	F8	D15
STORY15	F9	D15
STORY15	F10	D15
STORY15	F11	D15
STORY15	F12	D15
STORY15	F13	D15
STORY15	F14	D15
STORY15	F15	D15
STORY15	F16	D15
STORY15	F17	D15
STORY15	F18	D15
STORY15	F19	D15
STORY15	F20	D15
STORY14	F1	D14
STORY14	F2	D14
STORY14	F3	D14
STORY14	F4	D14
STORY14	F5	D14
STORY14	F6	D14
STORY14	F7	D14
STORY14	F8	D14
STORY14	F9	D14
STORY14	F10	D14
STORY14	F11	D14
STORY14	F12	D14
STORY14	F13	D14
STORY14	F14	D14
STORY14	F15	D14
STORY14	F16	D14

STORY14	F17	D14
STORY14	F18	D14
STORY14	F19	D14
STORY14	F20	D14
STORY13	F1	D13
STORY13	F2	D13
STORY13	F3	D13
STORY13	F4	D13
STORY13	F5	D13
STORY13	F6	D13
STORY13	F7	D13
STORY13	F8	D13
STORY13	F9	D13
STORY13	F10	D13
STORY13	F11	D13
STORY13	F12	D13
STORY13	F13	D13
STORY13	F14	D13
STORY13	F15	D13
STORY13	F16	D13
STORY13	F17	D13
STORY13	F18	D13
STORY13	F19	D13
STORY13	F20	D13
STORY12	F1	D12
STORY12	F2	D12
STORY12	F3	D12
STORY12	F4	D12
STORY12	F5	D12
STORY12	F6	D12
STORY12	F7	D12
STORY12	F8	D12
STORY12	F9	D12
STORY12	F10	D12
STORY12	F11	D12
STORY12	F12	D12
STORY12	F13	D12
STORY12	F14	D12
STORY12	F15	D12
STORY12	F16	D12
STORY12	F17	D12
STORY12	F18	D12
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STORY11	F2	D11
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STORY11	F8	D11
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STORY11	F10	D11
STORY11	F11	D11
STORY11	F12	D11
STORY11	F13	D11
STORY11	F14	D11
STORY11	F15	D11
STORY11	F16	D11
STORY11	F17	D11
STORY11	F18	D11
STORY11	F19	D11
STORY11	F20	D11
STORY10	F1	D10
STORY10	F2	D10
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STORY10	F5	D10
STORY10	F6	D10
STORY10	F7	D10
STORY10	F8	D10
STORY10	F9	D10
STORY10	F10	D10

STORY10	F11	D10
STORY10	F12	D10
STORY10	F13	D10
STORY10	F14	D10
STORY10	F15	D10
STORY10	F16	D10
STORY10	F17	D10
STORY10	F18	D10
STORY10	F19	D10
STORY10	F20	D10
STORY9	F1	D9
STORY9	F2	D9
STORY9	F3	D9
STORY9	F4	D9
STORY9	F5	D9
STORY9	F6	D9
STORY9	F7	D9
STORY9	F8	D9
STORY9	F9	D9
STORY9	F10	D9
STORY9	F11	D9
STORY9	F12	D9
STORY9	F13	D9
STORY9	F14	D9
STORY9	F15	D9
STORY9	F16	D9
STORY9	F17	D9
STORY9	F18	D9
STORY9	F19	D9
STORY9	F20	D9
STORY8	F1	D8
STORY8	F2	D8
STORY8	F3	D8
STORY8	F4	D8
STORY8	F5	D8
STORY8	F6	D8
STORY8	F7	D8
STORY8	F8	D8
STORY8	F9	D8
STORY8	F10	D8
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STORY8	F13	D8
STORY8	F14	D8
STORY8	F15	D8
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STORY8	F17	D8
STORY8	F18	D8
STORY8	F19	D8
STORY8	F20	D8
STORY7	F1	D7
STORY7	F2	D7
STORY7	F3	D7
STORY7	F4	D7
STORY7	F5	D7
STORY7	F6	D7
STORY7	F7	D7
STORY7	F8	D7
STORY7	F9	D7
STORY7	F10	D7
STORY7	F11	D7
STORY7	F12	D7
STORY7	F13	D7
STORY7	F14	D7
STORY7	F15	D7
STORY7	F16	D7
STORY7	F17	D7
STORY7	F18	D7
STORY7	F19	D7
STORY7	F20	D7
STORY6	F1	D6
STORY6	F2	D6
STORY6	F3	D6
STORY6	F4	D6

STORY6	F5	D6
STORY6	F6	D6
STORY6	F7	D6
STORY6	F8	D6
STORY6	F9	D6
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STORY6	F12	D6
STORY6	F13	D6
STORY6	F14	D6
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STORY6	F19	D6
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STORY5	F20	D5
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STORY4	F6	D4
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STORY3	F13	D3
STORY3	F14	D3
STORY3	F15	D3
STORY3	F16	D3
STORY3	F17	D3
STORY3	F18	D3

STORY3	F19	D3
STORY3	F20	D3
STORY2	F1	D2
STORY2	F2	D2
STORY2	F3	D2
STORY2	F4	D2
STORY2	F5	D2
STORY2	F6	D2
STORY2	F7	D2
STORY2	F8	D2
STORY2	F9	D2
STORY2	F10	D2
STORY2	F11	D2
STORY2	F12	D2
STORY2	F13	D2
STORY2	F14	D2
STORY2	F15	D2
STORY2	F16	D2
STORY2	F17	D2
STORY2	F18	D2
STORY2	F19	D2
STORY2	F20	D2
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STORY1	F2	D1
STORY1	F3	D1
STORY1	F4	D1
STORY1	F5	D1
STORY1	F6	D1
STORY1	F7	D1
STORY1	F8	D1
STORY1	F9	D1
STORY1	F10	D1
STORY1	F11	D1
STORY1	F12	D1
STORY1	F13	D1
STORY1	F14	D1
STORY1	F15	D1
STORY1	F16	D1
STORY1	F17	D1
STORY1	F18	D1
STORY1	F19	D1
STORY1	F20	D1

COMBINACIONES DE DISEÑO

TABLE: Combination Definitions

Combo	Type	Case	Factor	CaseType	SortID
UNCON01	ADD	PPIO	1.4	Static	1
UNCON01		D	1.4	Static	2
UNCON02	ADD	PPIO	1.2	Static	3
UNCON02		D	1.2	Static	4
UNCON02		L	1.6	Static	5
UNCON02		LR	0.5	Static	6
UNCON03	ADD	PPIO	1.2	Static	7
UNCON03		D	1.2	Static	8
UNCON03		L	1	Static	9
UNCON03		LR	1.6	Static	10
UNCON04	ADD	PPIO	1.2	Static	11
UNCON04		D	1.2	Static	12
UNCON04		L	1	Static	13
UNCON04		LR	0.5	Static	14
UNCON05	ADD	PPIO	1.2	Static	15
UNCON05		D	1.2	Static	16
UNCON05		L	1	Static	17
UNCON05		SDX	0.2	Spectrum	18
UNCON05		SDY	0.06	Spectrum	19
UNCON06	ADD	PPIO	1.2	Static	20
UNCON06		D	1.2	Static	21
UNCON06		L	1	Static	22
UNCON06		SDX	0.2	Spectrum	23
UNCON06		SDY	-0.06	Spectrum	24
UNCON07	ADD	PPIO	1.2	Static	25
UNCON07		D	1.2	Static	26
UNCON07		L	1	Static	27
UNCON07		SDX	-0.2	Spectrum	28
UNCON07		SDY	0.06	Spectrum	29
UNCON08	ADD	PPIO	1.2	Static	30
UNCON08		D	1.2	Static	31
UNCON08		L	1	Static	32
UNCON08		SDX	-0.2	Spectrum	33
UNCON08		SDY	-0.06	Spectrum	34
UNCON09	ADD	PPIO	1.2	Static	35
UNCON09		D	1.2	Static	36
UNCON09		L	1	Static	37
UNCON09		SDX	0.06	Spectrum	38
UNCON09		SDY	0.2	Spectrum	39
UNCON10	ADD	PPIO	1.2	Static	40
UNCON10		D	1.2	Static	41
UNCON10		L	1	Static	42
UNCON10		SDX	0.06	Spectrum	43
UNCON10		SDY	-0.2	Spectrum	44
UNCON11	ADD	PPIO	1.2	Static	45
UNCON11		D	1.2	Static	46
UNCON11		L	1	Static	47
UNCON11		SDX	-0.06	Spectrum	48
UNCON11		SDY	0.2	Spectrum	49
UNCON12	ADD	PPIO	1.2	Static	50
UNCON12		D	1.2	Static	51
UNCON12		L	1	Static	52
UNCON12		SDX	-0.06	Spectrum	53
UNCON12		SDY	-0.2	Spectrum	54
UNCON13	ADD	PPIO	0.9	Static	55
UNCON13		D	0.9	Static	56
UNCON13		SDX	0.2	Spectrum	57
UNCON13		SDY	0.06	Spectrum	58
UNCON14	ADD	PPIO	0.9	Static	59
UNCON14		D	0.9	Static	60
UNCON14		SDX	0.2	Spectrum	61
UNCON14		SDY	-0.06	Spectrum	62
UNCON15	ADD	PPIO	0.9	Static	63
UNCON15		D	0.9	Static	64
UNCON15		SDX	-0.2	Spectrum	65
UNCON15		SDY	0.06	Spectrum	66
UNCON16	ADD	PPIO	0.9	Static	67
UNCON16		D	0.9	Static	68
UNCON16		SDX	-0.2	Spectrum	69
UNCON16		SDY	-0.06	Spectrum	70
UNCON17	ADD	PPIO	0.9	Static	71
UNCON17		D	0.9	Static	72
UNCON17		SDX	0.06	Spectrum	73
UNCON17		SDY	0.2	Spectrum	74
UNCON18	ADD	PPIO	0.9	Static	75
UNCON18		D	0.9	Static	76
UNCON18		SDX	0.06	Spectrum	77
UNCON18		SDY	-0.2	Spectrum	78
UNCON19	ADD	PPIO	0.9	Static	79
UNCON19		D	0.9	Static	80
UNCON19		SDX	-0.06	Spectrum	81
UNCON19		SDY	0.2	Spectrum	82
UNCON20	ADD	PPIO	0.9	Static	83
UNCON20		D	0.9	Static	84
UNCON20		SDX	-0.06	Spectrum	85
UNCON20		SDY	-0.2	Spectrum	86

COMBINACIONES DE DISEÑO VIGAS DE RIGIDEZ

TABLE: Combination Definitions

Combo Name Text	Combo Text	Auto Yes/No	Case Type Text	Case Name Text	Scale Unitless	Steel Yes/No	Conc Yes/No	Alum Yes/No	Cold Yes/No	GUID Text	Notes Text
UNCON21	ADD	PPIO	1.4	Static	87						
UNCON21		D	1.4	Static	88						
UNCON22	ADD	PPIO	1.2	Static	89						
UNCON22		DRIG	1.2	Static	90						
UNCON22		LRIG	1.6	Static	91						
UNCON22		LR	0.5	Static	92						
UNCON23	ADD	PPIO	1.2	Static	93						
UNCON23		DRIG	1.2	Static	94						
UNCON23		LRIG	1	Static	95						
UNCON23		LR	1.6	Static	96						
UNCON24	ADD	PPIO	1.2	Static	97						
UNCON24		DRIG	1.2	Static	98						
UNCON24		LRIG	1	Static	99						
UNCON24		LR	0.5	Static	100						
UNCON25	ADD	PPIO	1.2	Static	101						
UNCON25		D	1.2	Static	102						
UNCON25		L	1	Static	103						
UNCON25		SDX	0.2	Spectrum	104						
UNCON26	ADD	PPIO	1.2	Static	105						
UNCON26		D	1.2	Static	106						
UNCON26		L	1	Static	107						
UNCON26		SDY	0.2	Spectrum	108						
UNCON27	ADD	PPIO	0.9	Static	109						
UNCON27		D	0.9	Static	110						
UNCON27		SDX	0.2	Spectrum	111						
UNCON28	ADD	PPIO	0.9	Static	112						
UNCON28		D	0.9	Static	113						
UNCON28		SDY	0.2	Spectrum	114						

COMBINACIONES CHEQUEO CORTANTE DE VIGAS -2E-

TABLE: Combination Definitions					
Combo	Type	Case	Factor	CaseType	SortID
COMB01	ADD	PPIO	1.2	Static	115
COMB01		D	1.2	Static	116
COMB01		L	1	Static	117
COMB01		SDX	0.4	Spectrum	118
COMB02	ADD	PPIO	1.2	Static	119
COMB02		D	1.2	Static	120
COMB02		L	1	Static	121
COMB02		SDX	-0.4	Spectrum	122
COMB03	ADD	PPIO	1.2	Static	123
COMB03		D	1.2	Static	124
COMB03		L	1	Static	125
COMB03		SDY	0.4	Spectrum	126
COMB04	ADD	PPIO	1.2	Static	127
COMB04		D	1.2	Static	128
COMB04		L	1	Static	129
COMB04		SDY	-0.4	Spectrum	130
COMB05	ADD	PPIO	0.9	Static	131
COMB05		D	0.9	Static	132
COMB05		SDX	0.4	Spectrum	133
COMB06	ADD	PPIO	0.9	Static	134
COMB06		D	0.9	Static	135
COMB06		SDX	-0.4	Spectrum	136
COMB07	ADD	PPIO	0.9	Static	137
COMB07		D	0.9	Static	138
COMB07		SDY	0.4	Spectrum	139
COMB08	ADD	PPIO	0.9	Static	140
COMB08		D	0.9	Static	141
COMB08		SDY	-0.4	Spectrum	142

ENVOLVENTE DE COMBINACIONES CHEQUEO CORTANTE DE VIGAS -2E-

TABLE: Combination Definitions					
Combo	Type	Case	Factor	CaseType	SortID
ENV2E	ENVE	COMB01	1	Combo	171
ENV2E		COMB02	1	Combo	172
ENV2E		COMB03	1	Combo	173
ENV2E		COMB04	1	Combo	174
ENV2E		COMB05	1	Combo	175
ENV2E		COMB06	1	Combo	176
ENV2E		COMB07	1	Combo	177
ENV2E		COMB08	1	Combo	178

COMBINACIONES CHEQUEO CORTANTE DE VIGAS -ΩE-

TABLE: Combination Definitions					
Combo	Type	Case	Factor	CaseType	SortID
COMB09	ADD	PPIO	1.2	Static	143
COMB09		D	1.2	Static	144
COMB09		L	1	Static	145
COMB09		SDX	0.5	Spectrum	146
COMB10	ADD	PPIO	1.2	Static	147
COMB10		D	1.2	Static	148
COMB10		L	1	Static	149
COMB10		SDX	-0.5	Spectrum	150
COMB11	ADD	PPIO	1.2	Static	151
COMB11		D	1.2	Static	152
COMB11		L	1	Static	153
COMB11		SDY	0.5	Spectrum	154
COMB12	ADD	PPIO	1.2	Static	155
COMB12		D	1.2	Static	156
COMB12		L	1	Static	157
COMB12		SDY	-0.5	Spectrum	158
COMB13	ADD	PPIO	0.9	Static	159
COMB13		D	0.9	Static	160
COMB13		SDX	0.5	Spectrum	161
COMB14	ADD	PPIO	0.9	Static	162
COMB14		D	0.9	Static	163
COMB14		SDX	-0.5	Spectrum	164
COMB15	ADD	PPIO	0.9	Static	165
COMB15		D	0.9	Static	166
COMB15		SDY	0.5	Spectrum	167
COMB16	ADD	PPIO	0.9	Static	168
COMB16		D	0.9	Static	169
COMB16		SDY	-0.5	Spectrum	170

ENVOLVENTE DE COMBINACIONES CHEQUEO CORTANTE DE COLUMNAS -ΩE-

TABLE: Combination Definitions											
Combo	Type	Case	Factor	CaseType	SortID	Yes/No	Yes/No	Yes/No	Yes/No	Text	Text
Text	Text	Yes/No	Text	Text	Unitless						
ENV25E	ENVE	COMB09	1	Combo	179						
ENV25E		COMB10	1	Combo	180						
ENV25E		COMB11	1	Combo	181						
ENV25E		COMB12	1	Combo	182						
ENV25E		COMB13	1	Combo	183						
ENV25E		COMB14	1	Combo	184						
ENV25E		COMB15	1	Combo	185						
ENV25E		COMB16	1	Combo	186						