

SAP2000 v15.1.0 1aYA-0304 ALLEGATI SAP_INPUT
6/11/13 11.43.48

Table: Material Properties 03a - Steel Data, Part 1 of 2

Material SSHysType	Fy SHard KN/m2	Fu SMax KN/m2	EffFy KN/m2	EffFu KN/m2	SSCurveOpt
s275 Kinematic	275000.00 0.015000	430000.00 0.110000	302500.00	473000.00	simple

Table: Material Properties 03a - Steel Data, Part 2 of 2

Material	SRup	FinalSlope
s275	0.170000	-0.100000

Table: Case - Response Spectrum 1 - General, Part 1 of 2

DampingType	Case ConstDamp	ModalCombo	GMCf1 Cyc/sec	GMCf2 Cyc/sec	PerRigid	DirCombo
Sisma SLV x Constant 0.0500		CQC	1.0000E+00	0.0000E+00	SRSS	SRSS
Sisma SLV y Constant 0.0500		CQC	1.0000E+00	0.0000E+00	SRSS	SRSS
Sisma SLV z Constant 0.0500		CQC	1.0000E+00	0.0000E+00	SRSS	SRSS
Sisma SLD x Constant 0.0500		CQC	1.0000E+00	0.0000E+00	SRSS	SRSS
Sisma SLD y Constant 0.0500		CQC	1.0000E+00	0.0000E+00	SRSS	SRSS
Sisma SLD z Constant 0.0500		CQC	1.0000E+00	0.0000E+00	SRSS	SRSS

Table: Case - Response Spectrum 1 - General, Part 2 of 2

Case	EccenRatio	NumOverride
Sisma SLV x	0.000000	0
Sisma SLV y	0.000000	0
Sisma SLV z	0.000000	0
Sisma SLD x	0.000000	0
Sisma SLD y	0.000000	0
Sisma SLD z	0.000000	0

Table: Case - Response Spectrum 2 - Load Assignments

Function	Case Angle	LoadType TransAccSF	LoadName	CoordSys
	Degrees	m/sec2		
Sisma SLV x SLV_H_50	0.000	Acceleration 9.81000	U1	GLOBAL
Sisma SLV y SLV_H_50	0.000	Acceleration 9.81000	U2	GLOBAL
Sisma SLV z SLV_V_50	0.000	Acceleration 9.81000	U3	GLOBAL

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	Sisma	SLD x Acceleration	U1	GLOBAL
SLD_H_50	0.000	9.81000		
	Sisma	SLD y Acceleration	U2	GLOBAL
SLD_H_50	0.000	9.81000		
	Sisma	SLD z Acceleration	U3	GLOBAL
SLD_V_50	0.000	9.81000		

Table: Joint Coordinates, Part 1 of 2

Special	Joint	GlobalX	CoordSys	CoordType	XorR	Y	Z
		m			m	m	m
No	1	0.00000	GLOBAL	Cartesian	0.00000	1.698E-16	0.00000
No	2	5.70000	GLOBAL	Cartesian	5.70000	1.698E-16	0.00000
No	3	11.40000	GLOBAL	Cartesian	11.40000	1.698E-16	0.00000
No	4	16.40000	GLOBAL	Cartesian	16.40000	1.698E-16	0.00000
No	5	21.40000	GLOBAL	Cartesian	21.40000	1.698E-16	0.00000
No	6	0.00000	GLOBAL	Cartesian	0.00000	7.00000	0.00000
No	7	5.70000	GLOBAL	Cartesian	5.70000	7.00000	0.00000
No	8	11.40000	GLOBAL	Cartesian	11.40000	7.00000	0.00000
No	9	16.40000	GLOBAL	Cartesian	16.40000	7.00000	0.00000
No	10	21.40000	GLOBAL	Cartesian	21.40000	7.00000	0.00000
No	11	0.00000	GLOBAL	Cartesian	0.00000	7.00000	3.50000
No	12	5.70000	GLOBAL	Cartesian	5.70000	7.00000	3.50000
No	13	11.40000	GLOBAL	Cartesian	11.40000	7.00000	3.50000
No	14	16.40000	GLOBAL	Cartesian	16.40000	7.00000	3.50000
No	15	21.40000	GLOBAL	Cartesian	21.40000	7.00000	3.50000
No	16	11.40000	GLOBAL	Cartesian	11.40000	-3.00000	4.49500
No	17	16.40000	GLOBAL	Cartesian	16.40000	-3.00000	4.49500
No	18	11.40000	GLOBAL	Cartesian	11.40000	1.698E-16	4.49500
No	19	16.40000	GLOBAL	Cartesian	16.40000	1.698E-16	4.49500
No	25	11.40000	GLOBAL	Cartesian	11.40000	7.00000	4.49500
No	26	16.40000	GLOBAL	Cartesian	16.40000	7.00000	4.49500
No	27	0.00000	GLOBAL	Cartesian	0.00000	-3.00000	4.50000
No	28	5.70000	GLOBAL	Cartesian	5.70000	-3.00000	4.50000
No	29	11.40000	GLOBAL	Cartesian	11.40000	-3.00000	4.50000
No	30	16.40000	GLOBAL	Cartesian	16.40000	-3.00000	4.50000
No	31	21.40000	GLOBAL	Cartesian	21.40000	-3.00000	4.50000
No	32		GLOBAL	Cartesian	0.00000	-2.25000	4.50000

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No	0.00000					
33		GLOBAL	Cartesian	5.70000	-2.25000	4.50000
No	5.70000					
34		GLOBAL	Cartesian	11.40000	-2.25000	4.50000
No	11.40000					
35		GLOBAL	Cartesian	16.40000	-2.25000	4.50000
No	16.40000					
36		GLOBAL	Cartesian	21.40000	-2.25000	4.50000
No	21.40000					
37		GLOBAL	Cartesian	0.00000	-0.75000	4.50000
No	0.00000					
38		GLOBAL	Cartesian	5.70000	-0.75000	4.50000
No	5.70000					
39		GLOBAL	Cartesian	11.40000	-0.75000	4.50000
No	11.40000					
40		GLOBAL	Cartesian	16.40000	-0.75000	4.50000
No	16.40000					
41		GLOBAL	Cartesian	21.40000	-0.75000	4.50000
No	21.40000					
42		GLOBAL	Cartesian	0.00000	1.698E-16	4.50000
No	0.00000					
43		GLOBAL	Cartesian	5.70000	1.698E-16	4.50000
No	5.70000					
44		GLOBAL	Cartesian	11.40000	1.698E-16	4.50000
No	11.40000					
45		GLOBAL	Cartesian	16.40000	1.698E-16	4.50000
No	16.40000					
46		GLOBAL	Cartesian	21.40000	1.698E-16	4.50000
No	21.40000					
47		GLOBAL	Cartesian	0.00000	0.50000	4.50000
No	0.00000					
48		GLOBAL	Cartesian	5.70000	0.50000	4.50000
No	5.70000					
49		GLOBAL	Cartesian	11.40000	0.50000	4.50000
No	11.40000					
50		GLOBAL	Cartesian	16.40000	0.50000	4.50000
No	16.40000					
51		GLOBAL	Cartesian	21.40000	0.50000	4.50000
No	21.40000					
52		GLOBAL	Cartesian	0.00000	2.00000	4.50000
No	0.00000					
53		GLOBAL	Cartesian	5.70000	2.00000	4.50000
No	5.70000					
54		GLOBAL	Cartesian	11.40000	2.00000	4.50000
No	11.40000					
55		GLOBAL	Cartesian	16.40000	2.00000	4.50000
No	16.40000					
56		GLOBAL	Cartesian	21.40000	2.00000	4.50000
No	21.40000					
57		GLOBAL	Cartesian	0.00000	3.50000	4.50000
No	0.00000					
58		GLOBAL	Cartesian	5.70000	3.50000	4.50000
No	5.70000					
59		GLOBAL	Cartesian	11.40000	3.50000	4.50000
No	11.40000					
60		GLOBAL	Cartesian	16.40000	3.50000	4.50000
No	16.40000					
61		GLOBAL	Cartesian	21.40000	3.50000	4.50000
No	21.40000					
62		GLOBAL	Cartesian	0.00000	4.00000	4.50000
No	0.00000					
63		GLOBAL	Cartesian	5.70000	4.00000	4.50000
No	5.70000					
64		GLOBAL	Cartesian	11.40000	4.00000	4.50000
No	11.40000					
65		GLOBAL	Cartesian	16.40000	4.00000	4.50000
No	16.40000					
66		GLOBAL	Cartesian	21.40000	4.00000	4.50000

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No	21.40000					
67		GLOBAL	Cartesian	0.00000	5.00000	4.50000
No	0.00000					
68		GLOBAL	Cartesian	5.70000	5.00000	4.50000
No	5.70000					
69		GLOBAL	Cartesian	11.40000	5.00000	4.50000
No	11.40000					
70		GLOBAL	Cartesian	16.40000	5.00000	4.50000
No	16.40000					
71		GLOBAL	Cartesian	21.40000	5.00000	4.50000
No	21.40000					
72		GLOBAL	Cartesian	0.00000	6.50000	4.50000
No	0.00000					
73		GLOBAL	Cartesian	5.70000	6.50000	4.50000
No	5.70000					
74		GLOBAL	Cartesian	11.40000	6.50000	4.50000
No	11.40000					
75		GLOBAL	Cartesian	16.40000	6.50000	4.50000
No	16.40000					
76		GLOBAL	Cartesian	21.40000	6.50000	4.50000
No	21.40000					
77		GLOBAL	Cartesian	0.00000	7.00000	4.50000
No	0.00000					
78		GLOBAL	Cartesian	5.70000	7.00000	4.50000
No	5.70000					
79		GLOBAL	Cartesian	11.40000	7.00000	4.50000
No	11.40000					
80		GLOBAL	Cartesian	16.40000	7.00000	4.50000
No	16.40000					
81		GLOBAL	Cartesian	21.40000	7.00000	4.50000
No	21.40000					
82		GLOBAL	Cartesian	0.00000	1.698E-16	5.70000
No	0.00000					
83		GLOBAL	Cartesian	5.70000	1.698E-16	5.70000
No	5.70000					
84		GLOBAL	Cartesian	11.40000	1.698E-16	5.70000
No	11.40000					
85		GLOBAL	Cartesian	16.40000	1.698E-16	5.70000
No	16.40000					
86		GLOBAL	Cartesian	21.40000	1.698E-16	5.70000
No	21.40000					
87		GLOBAL	Cartesian	5.70000	1.492E-15	4.49500
No	5.70000					
88		GLOBAL	Cartesian	5.70000	7.00000	4.49500
No	5.70000					
89		GLOBAL	Cartesian	0.00000	4.453E-16	4.49500
No	0.00000					
90		GLOBAL	Cartesian	-1.286E-15	7.00000	4.49500
No	-1.286E-15					
91		GLOBAL	Cartesian	21.40000	7.00000	4.49500
No	21.40000					
92		GLOBAL	Cartesian	21.40000	4.376E-15	4.49500
No	21.40000					
98		GLOBAL	Cartesian	0.00000	4.00000	4.49700
No	0.00000					
99		GLOBAL	Cartesian	5.70000	4.00000	4.49700
No	5.70000					
100		GLOBAL	Cartesian	11.40000	4.00000	4.49700
No	11.40000					
101		GLOBAL	Cartesian	16.40000	4.00000	4.49700
No	16.40000					
102		GLOBAL	Cartesian	21.40000	4.00000	4.49700
No	21.40000					

Table: Joint Coordinates, Part 2 of 2

Joint	GlobalY	GlobalZ	GUID
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	m	m
1	1.698E-16	0.00000
2	1.698E-16	0.00000
3	1.698E-16	0.00000
4	1.698E-16	0.00000
5	1.698E-16	0.00000
6	7.00000	0.00000
7	7.00000	0.00000
8	7.00000	0.00000
9	7.00000	0.00000
10	7.00000	0.00000
11	7.00000	3.50000
12	7.00000	3.50000
13	7.00000	3.50000
14	7.00000	3.50000
15	7.00000	3.50000
16	-3.00000	4.49500
17	-3.00000	4.49500
18	1.698E-16	4.49500
19	1.698E-16	4.49500
25	7.00000	4.49500
26	7.00000	4.49500
27	-3.00000	4.50000
28	-3.00000	4.50000
29	-3.00000	4.50000
30	-3.00000	4.50000
31	-3.00000	4.50000
32	-2.25000	4.50000
33	-2.25000	4.50000
34	-2.25000	4.50000
35	-2.25000	4.50000
36	-2.25000	4.50000
37	-0.75000	4.50000
38	-0.75000	4.50000
39	-0.75000	4.50000
40	-0.75000	4.50000
41	-0.75000	4.50000
42	1.698E-16	4.50000
43	1.698E-16	4.50000
44	1.698E-16	4.50000
45	1.698E-16	4.50000
46	1.698E-16	4.50000
47	0.50000	4.50000
48	0.50000	4.50000
49	0.50000	4.50000
50	0.50000	4.50000
51	0.50000	4.50000
52	2.00000	4.50000
53	2.00000	4.50000
54	2.00000	4.50000
55	2.00000	4.50000
56	2.00000	4.50000
57	3.50000	4.50000
58	3.50000	4.50000
59	3.50000	4.50000
60	3.50000	4.50000
61	3.50000	4.50000
62	4.00000	4.50000
63	4.00000	4.50000
64	4.00000	4.50000
65	4.00000	4.50000
66	4.00000	4.50000
67	5.00000	4.50000
68	5.00000	4.50000
69	5.00000	4.50000
70	5.00000	4.50000
71	5.00000	4.50000

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72	6.50000	4.50000
73	6.50000	4.50000
74	6.50000	4.50000
75	6.50000	4.50000
76	6.50000	4.50000
77	7.00000	4.50000
78	7.00000	4.50000
79	7.00000	4.50000
80	7.00000	4.50000
81	7.00000	4.50000
82	1.698E-16	5.70000
83	1.698E-16	5.70000
84	1.698E-16	5.70000
85	1.698E-16	5.70000
86	1.698E-16	5.70000
87	1.492E-15	4.49500
88	7.00000	4.49500
89	4.453E-16	4.49500
90	7.00000	4.49500
91	7.00000	4.49500
92	4.376E-15	4.49500
98	4.00000	4.49700
99	4.00000	4.49700
100	4.00000	4.49700
101	4.00000	4.49700
102	4.00000	4.49700

Table: Joint Restraint Assignments

R3	Joint	U1	U2	U3	R1	R2
Yes	1	Yes	Yes	Yes	Yes	Yes
Yes	2	Yes	Yes	Yes	Yes	Yes
Yes	3	Yes	Yes	Yes	Yes	Yes
Yes	4	Yes	Yes	Yes	Yes	Yes
Yes	5	Yes	Yes	Yes	Yes	Yes
Yes	6	Yes	Yes	Yes	Yes	Yes
Yes	7	Yes	Yes	Yes	Yes	Yes
Yes	8	Yes	Yes	Yes	Yes	Yes
Yes	9	Yes	Yes	Yes	Yes	Yes
Yes	10	Yes	Yes	Yes	Yes	Yes

Table: Constraint Definitions - weld, Part 1 of 2

RX	Name RY	CoordSys RZ	UX	UY	UZ
Yes	WELD1 Yes	Yes GLOBAL	Yes	Yes	Yes

Table: Constraint Definitions - weld, Part 2 of 2

Name	Tolerance m
WELD1	0.007000

Table: Connectivity - Frame, Part 1 of 2

CentroidY m	Frame CentroidZ m	JointI	JointJ	IsCurved	Length m	CentroidX m
7.00000	4	6	11	No	3.50000	0.00000
7.00000	5	11	77	No	1.00000	0.00000
0.25000	6	42	47	No	0.50000	0.00000
1.25000	7	47	52	No	1.50000	0.00000
2.75000	8	52	57	No	1.50000	0.00000
3.75000	9	57	62	No	0.50000	0.00000
4.50000	10	62	67	No	1.00000	0.00000
5.75000	11	67	72	No	1.50000	0.00000
6.75000	12	72	77	No	0.50000	0.00000
-2.62500	13	27	32	No	0.75000	0.00000
-1.50000	14	32	37	No	1.50000	0.00000
-0.37500	15	37	42	No	0.75000	0.00000
7.00000	16	7	12	No	3.50000	5.70000
7.00000	17	12	78	No	1.00000	5.70000
0.25000	18	43	48	No	0.50000	5.70000
1.25000	19	48	53	No	1.50000	5.70000
2.75000	20	53	58	No	1.50000	5.70000
3.75000	21	58	63	No	0.50000	5.70000
4.50000	22	63	68	No	1.00000	5.70000
5.75000	23	68	73	No	1.50000	5.70000
6.75000	24	73	78	No	0.50000	5.70000
-2.62500	25	28	33	No	0.75000	5.70000
-1.50000	26	33	38	No	1.50000	5.70000
-0.37500	27	38	43	No	0.75000	5.70000
1.698E-16	28	3	44	No	4.50000	11.40000
7.00000	30	8	13	No	3.50000	11.40000
	31	13	79	No	1.00000	11.40000

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7.00000	4.00000					
	33	44	49	No	0.50000	11.40000
0.25000	4.50000					
	34	49	54	No	1.50000	11.40000
1.25000	4.50000					
	35	54	59	No	1.50000	11.40000
2.75000	4.50000					
	36	59	64	No	0.50000	11.40000
3.75000	4.50000					
	37	64	69	No	1.00000	11.40000
4.50000	4.50000					
	38	69	74	No	1.50000	11.40000
5.75000	4.50000					
	39	74	79	No	0.50000	11.40000
6.75000	4.50000					
	40	29	34	No	0.75000	11.40000
-2.62500	4.50000					
	41	34	39	No	1.50000	11.40000
-1.50000	4.50000					
	42	39	44	No	0.75000	11.40000
-0.37500	4.50000					
	43	4	45	No	4.50000	16.40000
1.698E-16	2.25000					
	45	9	14	No	3.50000	16.40000
7.00000	1.75000					
	46	14	80	No	1.00000	16.40000
7.00000	4.00000					
	48	45	50	No	0.50000	16.40000
0.25000	4.50000					
	49	50	55	No	1.50000	16.40000
1.25000	4.50000					
	50	55	60	No	1.50000	16.40000
2.75000	4.50000					
	51	60	65	No	0.50000	16.40000
3.75000	4.50000					
	52	65	70	No	1.00000	16.40000
4.50000	4.50000					
	53	70	75	No	1.50000	16.40000
5.75000	4.50000					
	54	75	80	No	0.50000	16.40000
6.75000	4.50000					
	55	30	35	No	0.75000	16.40000
-2.62500	4.50000					
	56	35	40	No	1.50000	16.40000
-1.50000	4.50000					
	57	40	45	No	0.75000	16.40000
-0.37500	4.50000					
	58	10	15	No	3.50000	21.40000
7.00000	1.75000					
	59	15	81	No	1.00000	21.40000
7.00000	4.00000					
	60	46	51	No	0.50000	21.40000
0.25000	4.50000					
	61	51	56	No	1.50000	21.40000
1.25000	4.50000					
	62	56	61	No	1.50000	21.40000
2.75000	4.50000					
	63	61	66	No	0.50000	21.40000
3.75000	4.50000					
	64	66	71	No	1.00000	21.40000
4.50000	4.50000					
	65	71	76	No	1.50000	21.40000
5.75000	4.50000					
	66	76	81	No	0.50000	21.40000
6.75000	4.50000					
	67	31	36	No	0.75000	21.40000
-2.62500	4.50000					
	68	36	41	No	1.50000	21.40000

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-1.50000	4.50000					
	69	41	46	No	0.75000	21.40000
-0.37500	4.50000					
	70	27	28	No	5.70000	2.85000
-3.00000	4.50000					
	71	28	29	No	5.70000	8.55000
-3.00000	4.50000					
	72	29	30	No	5.00000	13.90000
-3.00000	4.50000					
	73	30	31	No	5.00000	18.90000
-3.00000	4.50000					
	74	25	87	No	9.02718	8.55000
3.50000	4.49500					
	75	88	18	No	9.02718	8.55000
3.50000	4.49500					
	76	88	89	No	9.02718	2.85000
3.50000	4.49500					
	77	90	87	No	9.02718	2.85000
3.50000	4.49500					
	78	19	91	No	8.60233	18.90000
3.50000	4.49500					
	79	26	92	No	8.60233	18.90000
3.50000	4.49500					
	110	1	42	No	4.50000	0.00000
1.698E-16	2.25000					
	197	42	82	No	1.20000	0.00000
1.698E-16	5.10000					
	199	82	27	No	3.23110	0.00000
-1.50000	5.10000					
	200	77	1	No	8.32166	0.00000
3.50000	2.25000					
	204	6	42	No	8.32166	0.00000
3.50000	2.25000					
	206	2	43	No	4.50000	5.70000
1.698E-16	2.25000					
	219	43	83	No	1.20000	5.70000
1.698E-16	5.10000					
	228	83	28	No	3.23110	5.70000
-1.50000	5.10000					
	269	44	84	No	1.20000	11.40000
1.698E-16	5.10000					
	272	84	29	No	3.23110	11.40000
-1.50000	5.10000					
	294	45	85	No	1.20000	16.40000
1.698E-16	5.10000					
	295	85	30	No	3.23110	16.40000
-1.50000	5.10000					
	296	5	46	No	4.50000	21.40000
1.698E-16	2.25000					
	300	46	86	No	1.20000	21.40000
1.698E-16	5.10000					
	301	86	31	No	3.23110	21.40000
-1.50000	5.10000					
	302	46	10	No	8.32166	21.40000
3.50000	2.25000					
	303	5	81	No	8.32166	21.40000
3.50000	2.25000					
	307	11	12	No	5.70000	2.85000
7.00000	3.50000					
	308	12	13	No	5.70000	8.55000
7.00000	3.50000					
	309	13	14	No	5.00000	13.90000
7.00000	3.50000					
	310	14	15	No	5.00000	18.90000
7.00000	3.50000					
	311	44	4	No	6.72681	13.90000
1.698E-16	2.25000					
	312	3	45	No	6.72681	13.90000

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1.698E-16	2.25000					
	315	98	99	No	5.70000	2.85000
4.00000	4.49700					
	316	100	101	No	5.00000	13.90000
4.00000	4.49700					
	317	101	102	No	5.00000	18.90000
4.00000	4.49700					
	318	17	18	No	5.83095	13.90000
-1.50000	4.49500					
	319	16	19	No	5.83095	13.90000
-1.50000	4.49500					
	320	19	25	No	8.60233	13.90000
3.50000	4.49500					
	321	26	18	No	8.60233	13.90000
3.50000	4.49500					
	351	37	38	No	5.70000	2.85000
-0.75000	4.50000					
	352	38	39	No	5.70000	8.55000
-0.75000	4.50000					
	353	39	40	No	5.00000	13.90000
-0.75000	4.50000					
	357	40	41	No	5.00000	18.90000
-0.75000	4.50000					
	358	32	33	No	5.70000	2.85000
-2.25000	4.50000					
	360	33	34	No	5.70000	8.55000
-2.25000	4.50000					
	361	34	35	No	5.00000	13.90000
-2.25000	4.50000					
	447	35	36	No	5.00000	18.90000
-2.25000	4.50000					
	450	47	48	No	5.70000	2.85000
0.50000	4.50000					
	451	48	49	No	5.70000	8.55000
0.50000	4.50000					
	452	49	50	No	5.00000	13.90000
0.50000	4.50000					
	471	50	51	No	5.00000	18.90000
0.50000	4.50000					
	483	52	53	No	5.70000	2.85000
2.00000	4.50000					
	489	53	54	No	5.70000	8.55000
2.00000	4.50000					
	491	54	55	No	5.00000	13.90000
2.00000	4.50000					
	493	55	56	No	5.00000	18.90000
2.00000	4.50000					
	498	57	58	No	5.70000	2.85000
3.50000	4.50000					
	501	58	59	No	5.70000	8.55000
3.50000	4.50000					
	504	59	60	No	5.00000	13.90000
3.50000	4.50000					
	515	60	61	No	5.00000	18.90000
3.50000	4.50000					
	518	67	68	No	5.70000	2.85000
5.00000	4.50000					
	519	68	69	No	5.70000	8.55000
5.00000	4.50000					
	521	69	70	No	5.00000	13.90000
5.00000	4.50000					
	522	70	71	No	5.00000	18.90000
5.00000	4.50000					
	524	72	73	No	5.70000	2.85000
6.50000	4.50000					
	552	73	74	No	5.70000	8.55000
6.50000	4.50000					
	559	74	75	No	5.00000	13.90000

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6.50000	4.50000	75	76	No	5.00000	18.90000
6.50000	4.50000	78	77	No	5.70000	2.85000
7.00000	4.50000	79	78	No	5.70000	8.55000
7.00000	4.50000	80	79	No	5.00000	13.90000
7.00000	4.50000	81	80	No	5.00000	18.90000

Table: Connectivity - Frame, Part 2 of 2

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Table: Frame Section Assignments

DesignSect	Frame MatProp	SectionType	AutoSelect	AnalSect
HE240A	4 Default	I/wide Flange	N.A.	HE240A
HE240A	5 Default	I/wide Flange	N.A.	HE240A
HE240A	6 Default	I/wide Flange	N.A.	HE240A
HE240A	7 Default	I/wide Flange	N.A.	HE240A
HE240A	8 Default	I/wide Flange	N.A.	HE240A
HE240A	9 Default	I/wide Flange	N.A.	HE240A
HE240A	10 Default	I/wide Flange	N.A.	HE240A
HE240A	11 Default	I/wide Flange	N.A.	HE240A
HE240A	12 Default	I/wide Flange	N.A.	HE240A
HE240A	13 Default	I/wide Flange	N.A.	HE240A
HE240A	14 Default	I/wide Flange	N.A.	HE240A
HE240A	15 Default	I/wide Flange	N.A.	HE240A
HE240A	16 Default	I/wide Flange	N.A.	HE240A
HE240A	17 Default	I/wide Flange	N.A.	HE240A
HE240A	18 Default	I/wide Flange	N.A.	HE240A
HE240A	19 Default	I/wide Flange	N.A.	HE240A
HE240A	20 Default	I/wide Flange	N.A.	HE240A
HE240A	21 Default	I/wide Flange	N.A.	HE240A
HE240A	22 Default	I/wide Flange	N.A.	HE240A
HE240A	23 Default	I/wide Flange	N.A.	HE240A
HE240A	24 Default	I/wide Flange	N.A.	HE240A
HE240A	25 Default	I/wide Flange	N.A.	HE240A

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HE240A	Default			
	26	I/wide Flange	N.A.	HE240A
HE240A	Default			
	27	I/wide Flange	N.A.	HE240A
HE240A	Default			
	28	I/wide Flange	N.A.	HE240A
HE240A	Default			
	30	I/wide Flange	N.A.	HE240A
HE240A	Default			
	31	I/wide Flange	N.A.	HE240A
HE240A	Default			
	33	I/wide Flange	N.A.	HE240A
HE240A	Default			
	34	I/wide Flange	N.A.	HE240A
HE240A	Default			
	35	I/wide Flange	N.A.	HE240A
HE240A	Default			
	36	I/wide Flange	N.A.	HE240A
HE240A	Default			
	37	I/wide Flange	N.A.	HE240A
HE240A	Default			
	38	I/wide Flange	N.A.	HE240A
HE240A	Default			
	39	I/wide Flange	N.A.	HE240A
HE240A	Default			
	40	I/wide Flange	N.A.	HE240A
HE240A	Default			
	41	I/wide Flange	N.A.	HE240A
HE240A	Default			
	42	I/wide Flange	N.A.	HE240A
HE240A	Default			
	43	I/wide Flange	N.A.	HE240A
HE240A	Default			
	45	I/wide Flange	N.A.	HE240A
HE240A	Default			
	46	I/wide Flange	N.A.	HE240A
HE240A	Default			
	48	I/wide Flange	N.A.	HE240A
HE240A	Default			
	49	I/wide Flange	N.A.	HE240A
HE240A	Default			
	50	I/wide Flange	N.A.	HE240A
HE240A	Default			
	51	I/wide Flange	N.A.	HE240A
HE240A	Default			
	52	I/wide Flange	N.A.	HE240A
HE240A	Default			
	53	I/wide Flange	N.A.	HE240A
HE240A	Default			
	54	I/wide Flange	N.A.	HE240A
HE240A	Default			
	55	I/wide Flange	N.A.	HE240A
HE240A	Default			
	56	I/wide Flange	N.A.	HE240A
HE240A	Default			
	57	I/wide Flange	N.A.	HE240A
HE240A	Default			
	58	I/wide Flange	N.A.	HE240A
HE240A	Default			
	59	I/wide Flange	N.A.	HE240A
HE240A	Default			
	60	I/wide Flange	N.A.	HE240A
HE240A	Default			
	61	I/wide Flange	N.A.	HE240A
HE240A	Default			
	62	I/wide Flange	N.A.	HE240A
HE240A	Default			
	63	I/wide Flange	N.A.	HE240A

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HE240A	Default			
	64	I/wide Flange	N.A.	HE240A
HE240A	Default			
	65	I/wide Flange	N.A.	HE240A
HE240A	Default			
	66	I/wide Flange	N.A.	HE240A
HE240A	Default			
	67	I/wide Flange	N.A.	HE240A
HE240A	Default			
	68	I/wide Flange	N.A.	HE240A
HE240A	Default			
	69	I/wide Flange	N.A.	HE240A
HE240A	Default			
	70	Channel	N.A.	UPN240
UPN240	Default			
	71	Channel	N.A.	UPN240
UPN240	Default			
	72	Channel	N.A.	UPN240
UPN240	Default			
	73	Channel	N.A.	UPN240
UPN240	Default			
	74	Double Channel	N.A.	2UPN80/15/
2UPN80/15/	Default			
	75	Double Channel	N.A.	2UPN80/15/
2UPN80/15/	Default			
	76	Double Channel	N.A.	2UPN80/15/
2UPN80/15/	Default			
	77	Double Channel	N.A.	2UPN80/15/
2UPN80/15/	Default			
	78	Double Channel	N.A.	2UPN80/15/
2UPN80/15/	Default			
	79	Double Channel	N.A.	2UPN80/15/
2UPN80/15/	Default			
	110	I/wide Flange	N.A.	HE240A
HE240A	Default			
	197	I/wide Flange	N.A.	HE240A
HE240A	Default			
	199	Circle	N.A.	TIRANTE
TIRANTE	Default			
	200	Double Channel	N.A.	2UPN120/15/
2UPN120/15/	Default			
	204	Double Channel	N.A.	2UPN120/15/
2UPN120/15/	Default			
	206	I/wide Flange	N.A.	HE240A
HE240A	Default			
	219	I/wide Flange	N.A.	HE240A
HE240A	Default			
	228	Circle	N.A.	TIRANTE
TIRANTE	Default			
	269	I/wide Flange	N.A.	HE240A
HE240A	Default			
	272	Circle	N.A.	TIRANTE
TIRANTE	Default			
	294	I/wide Flange	N.A.	HE240A
HE240A	Default			
	295	Circle	N.A.	TIRANTE
TIRANTE	Default			
	296	I/wide Flange	N.A.	HE240A
HE240A	Default			
	300	I/wide Flange	N.A.	HE240A
HE240A	Default			
	301	Circle	N.A.	TIRANTE
TIRANTE	Default			
	302	Double Channel	N.A.	2UPN120/15/
2UPN120/15/	Default			
	303	Double Channel	N.A.	2UPN120/15/
2UPN120/15/	Default			
	307	I/wide Flange	N.A.	IPE300

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IPE300	Default			
	308	I/wide Flange	N.A.	IPE300
IPE300	Default			
	309	I/wide Flange	N.A.	IPE300
IPE300	Default			
	310	I/wide Flange	N.A.	IPE300
IPE300	Default			
	311	Double Channel	N.A.	2UPN120/15/
2UPN120/15/	Default			
	312	Double Channel	N.A.	2UPN120/15/
2UPN120/15/	Default			
	315	Angle	N.A.	L120X10
L120X10	Default			
	316	Angle	N.A.	L120X10
L120X10	Default			
	317	Angle	N.A.	L120X10
L120X10	Default			
	318	Double Channel	N.A.	2UPN80/15/
2UPN80/15/	Default			
	319	Double Channel	N.A.	2UPN80/15/
2UPN80/15/	Default			
	320	Double Channel	N.A.	2UPN80/15/
2UPN80/15/	Default			
	321	Double Channel	N.A.	2UPN80/15/
2UPN80/15/	Default			
	351	Box/Tube	N.A.	RHCF150X100X4
RHCF150X100X4	Default			
	352	Box/Tube	N.A.	RHCF150X100X4
RHCF150X100X4	Default			
	353	Box/Tube	N.A.	RHCF150X100X4
RHCF150X100X4	Default			
	357	Box/Tube	N.A.	RHCF150X100X4
RHCF150X100X4	Default			
	358	Box/Tube	N.A.	RHCF150X100X4
RHCF150X100X4	Default			
	360	Box/Tube	N.A.	RHCF150X100X4
RHCF150X100X4	Default			
	361	Box/Tube	N.A.	RHCF150X100X4
RHCF150X100X4	Default			
	447	Box/Tube	N.A.	RHCF150X100X4
RHCF150X100X4	Default			
	450	Box/Tube	N.A.	RHCF150X100X4
RHCF150X100X4	Default			
	451	Box/Tube	N.A.	RHCF150X100X4
RHCF150X100X4	Default			
	452	Box/Tube	N.A.	RHCF150X100X4
RHCF150X100X4	Default			
	471	Box/Tube	N.A.	RHCF150X100X4
RHCF150X100X4	Default			
	483	Box/Tube	N.A.	RHCF150X100X4
RHCF150X100X4	Default			
	489	Box/Tube	N.A.	RHCF150X100X4
RHCF150X100X4	Default			
	491	Box/Tube	N.A.	RHCF150X100X4
RHCF150X100X4	Default			
	493	Box/Tube	N.A.	RHCF150X100X4
RHCF150X100X4	Default			
	498	Box/Tube	N.A.	RHCF150X100X4
RHCF150X100X4	Default			
	501	Box/Tube	N.A.	RHCF150X100X4
RHCF150X100X4	Default			
	504	Box/Tube	N.A.	RHCF150X100X4
RHCF150X100X4	Default			
	515	Box/Tube	N.A.	RHCF150X100X4
RHCF150X100X4	Default			
	518	Box/Tube	N.A.	RHCF150X100X4
RHCF150X100X4	Default			
	519	Box/Tube	N.A.	RHCF150X100X4

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RHCF150X100X4	Default			
521		Box/Tube	N.A.	RHCF150X100X4
RHCF150X100X4	Default			
522		Box/Tube	N.A.	RHCF150X100X4
RHCF150X100X4	Default			
524		Box/Tube	N.A.	RHCF150X100X4
RHCF150X100X4	Default			
552		Box/Tube	N.A.	RHCF150X100X4
RHCF150X100X4	Default			
559		Box/Tube	N.A.	RHCF150X100X4
RHCF150X100X4	Default			
564		Box/Tube	N.A.	RHCF150X100X4
RHCF150X100X4	Default			
565		Channel	N.A.	UPN240
UPN240	Default			
566		Channel	N.A.	UPN240
UPN240	Default			
567		Channel	N.A.	UPN240
UPN240	Default			
568		Channel	N.A.	UPN240
UPN240	Default			

Table: Frame Section Properties 01 - General, Part 1 of 7

SectionName	Material	Shape	t3	t2	
tf			m	m	
m	m				
2L100X6/10/ 0.006000	0.006000	S275	Double Angle	0.100000	0.210000
2L80X60X6/10/ 0.006000	0.006000	S275	Double Angle	0.080000	0.130000
2UPN120/15/ 0.009000	0.007000	S275	Double Channel	0.120000	0.125000
2UPN140/15/ 0.010000	0.007000	S275	Double Channel	0.140000	0.135000
2UPN160/15/ 0.010500	0.007500	S275	Double Channel	0.160000	0.145000
2UPN180/20/ 0.011000	0.008000	S275	Double Channel	0.180000	0.160000
2UPN200/25/ 0.011500	0.008500	S275	Double Channel	0.200000	0.175000
2UPN240/20/ 0.013000	0.009500	S275	Double Channel	0.240000	0.190000
2UPN300/30/ 0.016000	0.010000	S275	Double Channel	0.300000	0.230000
2UPN80/15/ 0.008000	0.006000	S275	Double Channel	0.080000	0.105000
ANTENNA		S275	Rectangular	0.100000	0.100000
HE240A 0.012000	0.007500	S275	I/wide Flange	0.230000	0.240000
HE260A 0.012500	0.007500	S275	I/wide Flange	0.250000	0.260000
HE300A 0.014000	0.008500	S275	I/wide Flange	0.290000	0.300000
HE300B 0.019000	0.011000	S275	I/wide Flange	0.300000	0.300000
HE320A 0.015500	0.009000	S275	I/wide Flange	0.310000	0.300000
HE360A 0.017500	0.010000	S275	I/wide Flange	0.350000	0.300000
HE360B 0.022500	0.012500	S275	I/wide Flange	0.360000	0.300000
HE400A 0.019000	0.011000	S275	I/wide Flange	0.390000	0.300000

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0.024000	HE400B 0.013500	S275	I/wide Flange	0.400000	0.300000
0.028000	HE500B 0.014500	S275	I/wide Flange	0.500000	0.300000
0.009800	IPE240 0.006200	S275	I/wide Flange	0.240000	0.120000
0.010700	IPE300 0.007100	S275	I/wide Flange	0.300000	0.150000
0.013500	IPE400 0.008600	S275	I/wide Flange	0.400000	0.180000
0.006000	L100X6 0.006000	S275	Angle	0.100000	0.100000
0.010000	L120X10 0.010000	S275	Angle	0.120000	0.120000
0.004000	RHCF150X100X4 0.004000	S275	Box/Tube	0.150000	0.100000
	TIRANTE	S275	Circle	0.030000	
0.009000	UPN120 0.007000	S275	Channel	0.120000	0.055000
0.013000	UPN240 0.009500	S275	Channel	0.240000	0.085000
0.016000	UPN300 0.010000	S275	Channel	0.300000	0.100000
0.016000	UPN350 0.014000	S275	Channel	0.350000	0.100000

Table: Frame Section Properties 01 - General, Part 2 of 7

SectionName		t2b	tfb	dis	Area	TorsConst
I33	I22					
m4	m4	m	m	m	m2	m4
2.221E-06	4.550E-06			0.010000	0.002359	2.794E-08
1.029E-06	1.133E-06			0.010000	0.001622	1.930E-08
7.281E-06	2.736E-06			0.015000	0.003396	7.678E-08
0.000012	3.791E-06			0.015000	0.004072	1.074E-07
0.000018	4.911E-06			0.015000	0.004803	1.394E-07
0.000027	7.039E-06			0.020000	0.005591	1.782E-07
0.000038	9.794E-06			0.025000	0.006437	2.246E-07
0.000072	0.000014			0.020000	0.008459	3.713E-07
0.000160	0.000030			0.030000	0.011750	7.248E-07
2.117E-06	1.449E-06			0.015000	0.002204	3.994E-08
8.333E-06	8.333E-06				0.010000	0.000014
0.000078	0.000028	0.240000	0.012000		0.007680	4.210E-07
0.000105	0.000037	0.260000	0.012500		0.008680	5.420E-07
0.000183	0.000063	0.300000	0.014000		0.011300	8.780E-07
0.000252	0.000086	0.300000	0.019000		0.014900	1.890E-06
0.000229	0.000070	0.300000	0.015500		0.012400	1.120E-06
	HE360A	0.300000	0.017500		0.014300	1.530E-06

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0.000331	0.000079				
	HE360B	0.300000	0.022500	0.018100	2.980E-06
0.000432	0.000101				
	HE400A	0.300000	0.019000	0.015900	1.930E-06
0.000451	0.000086				
	HE400B	0.300000	0.024000	0.019800	3.610E-06
0.000577	0.000108				
	HE500B	0.300000	0.028000	0.023900	5.480E-06
0.001072	0.000126				
	IPE240	0.120000	0.009800	0.003910	1.300E-07
0.000039	2.840E-06				
	IPE300	0.150000	0.010700	0.005380	1.990E-07
0.000084	6.040E-06				
	IPE400	0.180000	0.013500	0.008450	5.130E-07
0.000231	0.000013				
	L100X6			0.001179	1.397E-08
1.110E-06	1.110E-06				
	L120X10			0.002318	7.667E-08
3.129E-06	3.129E-06				
	RHCF150X100X4			0.001890	6.620E-06
5.950E-06	3.190E-06				
	TIRANTE			0.000707	7.952E-08
3.976E-08	3.976E-08				
	UPN120			0.001698	3.839E-08
3.641E-06	4.314E-07				
	UPN240			0.004229	1.857E-07
0.000036	2.479E-06				
	UPN300			0.005874	3.624E-07
0.000080	4.940E-06				
	UPN350			0.007730	6.120E-07
0.000128	5.700E-06				

Table: Frame Section Properties 01 - General, Part 3 of 7

SectionName		AS2	AS3	S33	S22	Z33
Z22	R33					
m3	m	m2	m2	m3	m3	m3
2L100X6/10/		0.001200	0.000996	0.000030	0.000043	0.000057
0.000074	0.030684					
2L80X60X6/10/		0.000960	0.000598	0.000019	0.000017	0.000034
0.000032	0.025187					
2UPN120/15/		0.001680	0.001650	0.000121	0.000044	0.000146
0.000080	0.046303					
2UPN140/15/		0.001960	0.002000	0.000173	0.000056	0.000206
0.000102	0.054489					
2UPN160/15/		0.002400	0.002275	0.000231	0.000068	0.000277
0.000124	0.062046					
2UPN180/20/		0.002880	0.002567	0.000301	0.000088	0.000360
0.000163	0.069570					
2UPN200/25/		0.003400	0.002875	0.000382	0.000112	0.000458
0.000210	0.077045					
2UPN240/20/		0.004560	0.003683	0.000599	0.000145	0.000719
0.000273	0.092214					
2UPN300/30/		0.006000	0.005333	0.001069	0.000265	0.001268
0.000492	0.116838					
2UPN80/15/		0.000960	0.001200	0.000053	0.000028	0.000064
0.000048	0.030992					
ANTENNA		0.008333	0.008333	0.000167	0.000167	0.000250
0.000250	0.028868					
HE240A		0.001725	0.004800	0.000675	0.000231	0.000745
0.000352	0.100539					
HE260A		0.001875	0.005417	0.000836	0.000282	0.000920
0.000430	0.109723					
HE300A		0.002465	0.007000	0.001259	0.000421	0.001383
0.000641	0.127119					

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0.000870	HE300B 0.129972	0.003300	0.009500	0.001678	0.000571	0.001869
0.000710	HE320A 0.135985	0.002790	0.007750	0.001479	0.000466	0.001628
0.000802	HE360A 0.152118	0.003500	0.008750	0.001891	0.000526	0.002088
0.001032	HE360B 0.154473	0.004500	0.011250	0.002399	0.000676	0.002683
0.000873	HE400A 0.168362	0.004290	0.009500	0.002311	0.000571	0.002562
0.001104	HE400B 0.170679	0.005400	0.012000	0.002884	0.000721	0.003232
0.001292	HE500B 0.211787	0.007250	0.014000	0.004288	0.000841	0.004815
0.000074	IPE240 0.099770	0.001488	0.001960	0.000324	0.000047	0.000367
0.000125	IPE300 0.124626	0.002130	0.002675	0.000557	0.000081	0.000628
0.000229	IPE400 0.165447	0.003440	0.004050	0.001157	0.000146	0.001307
0.000028	L100X6 0.030683	0.000600	0.000600	0.000015	0.000015	0.000028
0.000066	L120X10 0.036741	0.001200	0.001200	0.000036	0.000036	0.000066
0.000073	RHCF150X100X4 0.056108	0.001200	0.000800	0.000079	0.000064	0.000096
4.500E-06	TIRANTE 0.007500	0.000636	0.000636	2.651E-06	2.651E-06	4.500E-06
0.000024	UPN120 0.046306	0.000840	0.000825	0.000061	0.000011	0.000075
0.000085	UPN240 0.092226	0.002280	0.001842	0.000300	0.000040	0.000366
0.000145	UPN300 0.116862	0.003000	0.002667	0.000535	0.000068	0.000647
0.000160	UPN350 0.128882	0.004900	0.003200	0.000734	0.000075	0.000905

Table: Frame Section Properties 01 - General, Part 4 of 7

SectionName	R22	ConcCol	ConcBeam	Color	TotalWt
TotalMass	FromFile				
KN-s2/m	m				KN
2L100X6/10/ 0.00	0.043918	No	No	Blue	0.000
2L80X60X6/10/ 0.00	0.026430	No	No	Yellow	0.000
2UPN120/15/ 1.25	0.028384	No	No	Yellow	12.218
2UPN140/15/ 0.00	0.030512	No	No	8421440	0.000
2UPN160/15/ 0.00	0.031976	No	No	Gray8Dark	0.000
2UPN180/20/ 0.00	0.035482	No	No	Gray8Dark	0.000
2UPN200/25/ 0.00	0.039007	No	No	Blue	0.000
2UPN240/20/ 0.00	0.040332	No	No	Green	0.000
2UPN300/30/ 0.00	0.050932	No	No	Yellow	0.000
2UPN80/15/ 1.42	0.025641	No	No	Blue	13.942
ANTENNA 0.00	0.028868	No	No	Gray8Dark	0.000
HE240A	0.060046	No	No	Green	59.706

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6.09	Yes					
	HE260A	0.065006	No	No	Yellow	0.000
0.00	Yes					
	HE300A	0.074727	No	No	Cyan	0.000
0.00	Yes					
	HE300B	0.075809	No	No	Blue	0.000
0.00	Yes					
	HE320A	0.075054	No	No	Yellow	0.000
0.00	Yes					
	HE360A	0.074266	No	No	Blue	0.000
0.00	Yes					
	HE360B	0.074848	No	No	DarkMagenta	0.000
0.00	Yes					
	HE400A	0.073390	No	No	Magenta	0.000
0.00	Yes					
	HE400B	0.073923	No	No	DarkYellow	0.000
0.00	Yes					
	HE500B	0.072666	No	No	Red	0.000
0.00	Yes					
	IPE240	0.026951	No	No	Magenta	0.000
0.00	Yes					
	IPE300	0.033506	No	No	white	8.862
0.90	Yes					
	IPE400	0.039494	No	No	Orange	0.000
0.00	Yes					
	L100X6	0.030683	No	No	Cyan	0.000
0.00	Yes					
	L120X10	0.036741	No	No	Gray8Dark	2.801
0.29	Yes					
RHCF150X100X4		0.041083	No	No	Red	21.793
2.22	Yes					
	TIRANTE	0.007500	No	No	16711808	0.879
8.963E-02	No					
	UPN120	0.015939	No	No	4227200	0.000
0.00	Yes					
	UPN240	0.024211	No	No	Cyan	13.932
1.42	Yes					
	UPN300	0.029000	No	No	Green	0.000
0.00	Yes					
	UPN350	0.027155	No	No	4210688	0.000
0.00	Yes					

Table: Frame Section Properties 01 - General, Part 5 of 7

SectionName I3Mod	AMod	A2Mod	A3Mod	JMod	I2Mod
MMod					
2L100X6/10/	1.000000	1.000000	1.000000	1.000000	1.000000
1.000000 1.000000					
2L80X60X6/10/	1.000000	1.000000	1.000000	1.000000	1.000000
1.000000 1.000000					
2UPN120/15/	1.000000	1.000000	1.000000	1.000000	1.000000
1.000000 1.000000					
2UPN140/15/	1.000000	1.000000	1.000000	1.000000	1.000000
1.000000 1.000000					
2UPN160/15/	1.000000	1.000000	1.000000	1.000000	1.000000
1.000000 1.000000					
2UPN180/20/	1.000000	1.000000	1.000000	1.000000	1.000000
1.000000 1.000000					
2UPN200/25/	1.000000	1.000000	1.000000	1.000000	1.000000
1.000000 1.000000					
2UPN240/20/	1.000000	1.000000	1.000000	1.000000	1.000000
1.000000 1.000000					
2UPN300/30/	1.000000	1.000000	1.000000	1.000000	1.000000
1.000000 1.000000					

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2UPN80/15/	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000
1.000000	1.000000					
ANTENNA	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000
1.000000	0.000000					
HE240A	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000
1.000000	1.000000					
HE260A	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000
1.000000	1.000000					
HE300A	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000
1.000000	1.000000					
HE300B	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000
1.000000	1.000000					
HE320A	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000
1.000000	1.000000					
HE360A	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000
1.000000	1.000000					
HE360B	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000
1.000000	1.000000					
HE400A	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000
1.000000	1.000000					
HE400B	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000
1.000000	1.000000					
HE500B	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000
1.000000	1.000000					
IPE240	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000
1.000000	1.000000					
IPE300	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000
1.000000	1.000000					
IPE400	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000
1.000000	1.000000					
L100X6	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000
1.000000	1.000000					
L120X10	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000
1.000000	1.000000					
RHCF150X100X4	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000
1.000000	1.000000					
TIRANTE	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000
1.000000	1.000000					
UPN120	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000
1.000000	1.000000					
UPN240	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000
1.000000	1.000000					
UPN300	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000
1.000000	1.000000					
UPN350	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000
1.000000	1.000000					

Table: Frame Section Properties 01 - General, Part 6 of 7

SectionName	WMod	SectInFile	FileName
GUID			
2L100X6/10/	1.000000	2L100X6/10/	c:\programmi\computers and
structures\sap2000 15\euro.pro			
2L80X60X6/10/	1.000000	2L80X60X6/10/	c:\programmi\computers and
structures\sap2000 15\euro.pro			
2UPN120/15/	1.000000	2UPN120/15/	C:\Programmi\Computers and
Structures\SAP2000 15\euro.pro			
2UPN140/15/	1.000000	2UPN140/15/	C:\Programmi\Computers and
Structures\SAP2000 15\euro.pro			
2UPN160/15/	1.000000	2UPN160/15/	C:\Programmi\Computers and
Structures\SAP2000 15\euro.pro			
2UPN180/20/	1.000000	2UPN180/20/	C:\Programmi\Computers and
Structures\SAP2000 15\euro.pro			
2UPN200/25/	1.000000	2UPN200/25/	C:\Programmi\Computers and

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Structures\SAP2000	15\euro.pro		
2UPN240/20/	1.000000	2UPN240/20/	C:\Programmi\Computers and
Structures\SAP2000	15\euro.pro		
2UPN300/30/	1.000000	2UPN300/30/	C:\Programmi\Computers and
Structures\SAP2000	15\euro.pro		
2UPN80/15/	1.000000	2UPN80/15/	c:\programmi\computers and
structures\sap2000	15\euro.pro		
ANTENNA	0.000000		
HE240A	1.000000	HE240A	C:\Programmi\Computers and
Structures\SAP2000	15\euro.pro		
HE260A	1.000000	HE260A	C:\Programmi\Computers and
Structures\SAP2000	15\euro.pro		
HE300A	1.000000	HE300A	C:\Programmi\Computers and
Structures\SAP2000	15\euro.pro		
HE300B	1.000000	HE300B	C:\Programmi\Computers and
Structures\SAP2000	15\euro.pro		
HE320A	1.000000	HE320A	C:\Programmi\Computers and
Structures\SAP2000	15\euro.pro		
HE360A	1.000000	HE360A	C:\Programmi\Computers and
Structures\SAP2000	15\euro.pro		
HE360B	1.000000	HE360B	C:\Programmi\Computers and
Structures\SAP2000	15\euro.pro		
HE400A	1.000000	HE400A	C:\Programmi\Computers and
Structures\SAP2000	15\euro.pro		
HE400B	1.000000	HE400B	C:\Programmi\Computers and
Structures\SAP2000	15\euro.pro		
HE500B	1.000000	HE500B	c:\programmi\computers and
structures\sap2000	15\euro.pro		
IPE240	1.000000	IPE240	C:\Programmi\Computers and
Structures\SAP2000	15\euro.pro		
IPE300	1.000000	IPE300	C:\Programmi\Computers and
Structures\SAP2000	15\euro.pro		
IPE400	1.000000	IPE400	C:\Programmi\Computers and
Structures\SAP2000	15\euro.pro		
L100X6	1.000000	L100X6	c:\programmi\computers and
structures\sap2000	15\euro.pro		
L120X10	1.000000	L120X10	c:\programmi\computers and
structures\sap2000	15\euro.pro		
RHCF150X100X4	1.000000	RHCF150X100X4	c:\programmi\computers and
structures\sap2000	15\bsshapes2006.pro		
TIRANTE	1.000000		
UPN120	1.000000	UPN120	c:\programmi\computers and
structures\sap2000	15\euro.pro		
UPN240	1.000000	UPN240	C:\Programmi\Computers and
Structures\SAP2000	15\euro.pro		
UPN300	1.000000	UPN300	C:\Programmi\Computers and
Structures\SAP2000	15\euro.pro		
UPN350	1.000000	UPN350	c:\programmi\computers and
structures\sap2000	15\euro.pro		

Table: Frame Section Properties 01 - General, Part 7 of 7

SectionName	Notes
2L100X6/10/	Imported 26/02/2013 13.22.32 from EURO.PRO
2L80X60X6/10/	Imported 28/02/2013 8.50.55 from EURO.PRO
2UPN120/15/	Imported 14/01/2013 12:57:57 from EURO.PRO
2UPN140/15/	Imported 16/01/2013 12:02:14 from EURO.PRO
2UPN160/15/	Imported 14/01/2013 12:59:54 from EURO.PRO
2UPN180/20/	Imported 16/01/2013 12:02:14 from EURO.PRO
2UPN200/25/	Imported 16/01/2013 12:02:14 from EURO.PRO
2UPN240/20/	Imported 16/01/2013 12:02:14 from EURO.PRO
2UPN300/30/	Imported 16/01/2013 12:02:14 from EURO.PRO
2UPN80/15/	Imported 14/05/2013 14.35.46 from EURO.PRO

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 ANTENNA Added 04/03/2013 9.58.30
 HE240A Imported 12/02/2013 17:52:11 from EURO.PRO
 HE260A Imported 13/02/2013 18:23:38 from EURO.PRO
 HE300A Imported 26/11/2012 16:12:03 from EURO.PRO
 HE300B Imported 26/11/2012 16:12:45 from EURO.PRO
 HE320A Imported 12/02/2013 10:01:35 from EURO.PRO
 HE360A Imported 26/11/2012 16:07:49 from EURO.PRO
 HE360B Imported 18/01/2013 16:28:41 from EURO.PRO
 HE400A Imported 26/11/2012 16:12:22 from EURO.PRO
 HE400B Imported 26/11/2012 16:13:12 from EURO.PRO
 HE500B Imported 26/02/2013 16.40.34 from EURO.PRO
 IPE240 Imported 26/11/2012 16:13:37 from EURO.PRO
 IPE300 Imported 26/11/2012 16:13:53 from EURO.PRO
 IPE400 Imported 26/11/2012 16:14:08 from EURO.PRO
 L100X6 Imported 13/05/2013 15.33.13 from EURO.PRO
 L120X10 Imported 13/05/2013 16.43.40 from EURO.PRO
 RHCF150X100X4 Imported 13/05/2013 15.15.35 from BSShapes2006.pro
 TIRANTE Added 13/05/2013 10.32.08
 UPN120 Imported 04/03/2013 9.44.16 from EURO.PRO
 UPN240 Imported 26/11/2012 16:14:26 from EURO.PRO
 UPN300 Imported 26/11/2012 16:14:41 from EURO.PRO
 UPN350 Imported 26/02/2013 16.14.41 from EURO.PRO

Table: Frame Loads - Distributed, Part 1 of 3

DistType	Frame RelDistA	LoadPat	CoordSys	Type	Dir
RelDist	307 0.0000	G3	GLOBAL	Force	Gravity
RelDist	308 0.0000	G3	GLOBAL	Force	Gravity
RelDist	309 0.0000	G3	GLOBAL	Force	Gravity
RelDist	310 0.0000	G3	GLOBAL	Force	Gravity
RelDist	315 0.0000	G3	GLOBAL	Force	Gravity
RelDist	316 0.0000	G3	GLOBAL	Force	Gravity
RelDist	317 0.0000	G3	GLOBAL	Force	Gravity

Table: Frame Loads - Distributed, Part 2 of 3

FOverLA	Frame FOverLB	LoadPat	RelDistB	AbsDistA m	AbsDistB m
KN/m	KN/m				
0.46	307 0.46	G3	1.0000	0.00000	5.70000
0.46	308 0.46	G3	1.0000	0.00000	5.70000
0.46	309 0.46	G3	1.0000	0.00000	5.00000
0.46	310 0.46	G3	1.0000	0.00000	5.00000
0.40	315 0.40	G3	1.0000	0.00000	5.70000
0.40	316 0.40	G3	1.0000	0.00000	5.00000
0.40	317 0.40	G3	1.0000	0.00000	5.00000

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Table: Frame Loads - Distributed, Part 3 of 3

Frame	LoadPat	GUID
307	G3	
308	G3	
309	G3	
310	G3	
315	G3	
316	G3	
317	G3	

Table: Frame Loads - Temperature

Frame	LoadPat	Type	Temp C	JtPattern
110	T1	Temperature	25.000	None
197	T1	Temperature	25.000	None
199	T1	Temperature	25.000	None
200	T1	Temperature	25.000	None
204	T1	Temperature	25.000	None
206	T1	Temperature	25.000	None
219	T1	Temperature	25.000	None
228	T1	Temperature	25.000	None
269	T1	Temperature	25.000	None
272	T1	Temperature	25.000	None
294	T1	Temperature	25.000	None
295	T1	Temperature	25.000	None
296	T1	Temperature	25.000	None
300	T1	Temperature	25.000	None
301	T1	Temperature	25.000	None
302	T1	Temperature	25.000	None
303	T1	Temperature	25.000	None
307	T2	Temperature	15.000	None
308	T2	Temperature	15.000	None
309	T2	Temperature	15.000	None
310	T2	Temperature	15.000	None
311	T1	Temperature	25.000	None
312	T1	Temperature	25.000	None
315	T2	Temperature	15.000	None
316	T2	Temperature	15.000	None
317	T2	Temperature	15.000	None
318	T1	Temperature	25.000	None
319	T1	Temperature	25.000	None
320	T2	Temperature	15.000	None
321	T2	Temperature	15.000	None
351	T1	Temperature	25.000	None
352	T1	Temperature	25.000	None
353	T1	Temperature	25.000	None
357	T1	Temperature	25.000	None
358	T1	Temperature	25.000	None
360	T1	Temperature	25.000	None
361	T1	Temperature	25.000	None
447	T1	Temperature	25.000	None
450	T2	Temperature	15.000	None
451	T2	Temperature	15.000	None
452	T2	Temperature	15.000	None
471	T2	Temperature	15.000	None
483	T2	Temperature	15.000	None
489	T2	Temperature	15.000	None
491	T2	Temperature	15.000	None
493	T2	Temperature	15.000	None
498	T2	Temperature	15.000	None

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501	T2	Temperature	15.000	None
504	T2	Temperature	15.000	None
515	T2	Temperature	15.000	None
518	T2	Temperature	15.000	None
519	T2	Temperature	15.000	None
521	T2	Temperature	15.000	None
522	T2	Temperature	15.000	None
524	T2	Temperature	15.000	None
552	T2	Temperature	15.000	None
559	T2	Temperature	15.000	None
564	T2	Temperature	15.000	None
565	T2	Temperature	15.000	None
566	T2	Temperature	15.000	None
567	T2	Temperature	15.000	None
568	T2	Temperature	15.000	None
4	T1	Temperature	25.000	None
5	T1	Temperature	25.000	None
6	T1	Temperature	25.000	None
7	T1	Temperature	25.000	None
8	T1	Temperature	25.000	None
9	T1	Temperature	25.000	None
10	T1	Temperature	25.000	None
11	T1	Temperature	25.000	None
12	T1	Temperature	25.000	None
13	T1	Temperature	25.000	None
14	T1	Temperature	25.000	None
15	T1	Temperature	25.000	None
16	T3	Temperature	10.000	None
17	T3	Temperature	10.000	None
18	T2	Temperature	15.000	None
19	T2	Temperature	15.000	None
20	T2	Temperature	15.000	None
21	T2	Temperature	15.000	None
22	T2	Temperature	15.000	None
23	T2	Temperature	15.000	None
24	T2	Temperature	15.000	None
25	T1	Temperature	25.000	None
26	T1	Temperature	25.000	None
27	T1	Temperature	25.000	None
28	T1	Temperature	25.000	None
30	T3	Temperature	10.000	None
31	T3	Temperature	10.000	None
33	T2	Temperature	15.000	None
34	T2	Temperature	15.000	None
35	T2	Temperature	15.000	None
36	T2	Temperature	15.000	None
37	T2	Temperature	15.000	None
38	T2	Temperature	15.000	None
39	T2	Temperature	15.000	None
40	T1	Temperature	25.000	None
41	T1	Temperature	25.000	None
42	T1	Temperature	25.000	None
43	T1	Temperature	25.000	None
45	T3	Temperature	10.000	None
46	T3	Temperature	10.000	None
48	T2	Temperature	15.000	None
49	T2	Temperature	15.000	None
50	T2	Temperature	15.000	None
51	T2	Temperature	15.000	None
52	T2	Temperature	15.000	None
53	T2	Temperature	15.000	None
54	T2	Temperature	15.000	None
55	T1	Temperature	25.000	None
56	T1	Temperature	25.000	None
57	T1	Temperature	25.000	None
58	T1	Temperature	25.000	None
59	T1	Temperature	25.000	None
60	T1	Temperature	25.000	None

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61	T1 Temperature	25.000	None
62	T1 Temperature	25.000	None
63	T1 Temperature	25.000	None
64	T1 Temperature	25.000	None
65	T1 Temperature	25.000	None
66	T1 Temperature	25.000	None
67	T1 Temperature	25.000	None
68	T1 Temperature	25.000	None
69	T1 Temperature	25.000	None
70	T1 Temperature	25.000	None
71	T1 Temperature	25.000	None
72	T1 Temperature	25.000	None
73	T1 Temperature	25.000	None
74	T2 Temperature	15.000	None
75	T2 Temperature	15.000	None
76	T2 Temperature	15.000	None
77	T2 Temperature	15.000	None
78	T2 Temperature	15.000	None
79	T2 Temperature	15.000	None

Table: Area Loads - Uniform To Frame

DistType	Area	LoadPat	CoordSys	Dir	UnifLoad KN/m2
One way	1	G2	GLOBAL	Gravity	0.11
One way	1	Q1	GLOBAL	Gravity	1.20
One way	1	Q2_A	GLOBAL	Z	1.12
One way	1	Q2_B	GLOBAL	Gravity	1.12
One way	3	G2	GLOBAL	Gravity	0.11
One way	3	Q1	GLOBAL	Gravity	1.20
One way	3	Q2_B	GLOBAL	Gravity	0.80
One way	3	Q2_A	GLOBAL	Gravity	0.40

Table: Load Pattern Definitions

LoadPat	DesignType Notes	SelfwtMult	AutoLoad	GUID
G1	DEAD	1.200000		
G2	SUPER DEAD	0.000000		
Peso copertura	G3 SUPER DEAD	0.000000		
Peso celle	Q1 SNOW	0.000000		
Q2_A	WIND	0.000000	None	
VENTO TRASVERSALE CONDIZIONE A	Q2_B WIND	0.000000	None	
VENTO TRASVERSALE CONDIZIONE B	T1 TEMPERATURE	0.000000		
	T2 TEMPERATURE	0.000000		

T3 TEMPERATURE 0.000000

Table: Load Case Definitions, Part 1 of 3

DesignType	Case DesActOpt	Type	InitialCond	ModalCase	BaseCase	DesTypeOpt
	MODAL	LinModal	Zero			Prog Det
OTHER	Prog Det					
BUCK1		LinBuckling	Zero			Prog Det
OTHER	Prog Det					
Sisma SLV x		LinRespSpec		MODAL		Prog Det
QUAKE	Prog Det					
Sisma SLV y		LinRespSpec		MODAL		Prog Det
QUAKE	Prog Det					
Sisma SLV z		LinRespSpec		MODAL		Prog Det
QUAKE	Prog Det					
Sisma SLD x		LinRespSpec		MODAL		Prog Det
QUAKE	Prog Det					
Sisma SLD y		LinRespSpec		MODAL		Prog Det
QUAKE	Prog Det					
Sisma SLD z		LinRespSpec		MODAL		Prog Det
QUAKE	Prog Det					
T1		LinStatic	Zero			Prog Det
TEMPERATURE	Prog Det					
T2		LinStatic	Zero			Prog Det
TEMPERATURE	Prog Det					
T3		LinStatic	Zero			Prog Det
TEMPERATURE	Prog Det					
G1		LinStatic	Zero			Prog Det
DEAD	Prog Det					
G2		LinStatic	Zero			Prog Det
SUPER DEAD	Prog Det					
G3		LinStatic	Zero			Prog Det
SUPER DEAD	Prog Det					
Q1		LinStatic	Zero			Prog Det
SNOW	Prog Det					
Q2_A		LinStatic	Zero			Prog Det
WIND	Prog Det					
Q2_B		LinStatic	Zero			Prog Det
WIND	Prog Det					
SLE_C4-NL		NonStatic	Zero			Prog Det
OTHER	Prog Det					
STR_C4-NL		NonStatic	Zero			Prog Det
OTHER	Prog Det					
VAR_SLE_C4		NonStatic	Zero			Prog Det
WIND	Prog Det					
TEMP1-NL		NonStatic	Zero			Prog Det
TEMPERATURE	Prog Det					
TEMP2-NL		NonStatic	Zero			Prog Det
TEMPERATURE	Prog Det					
TEMP3-NL		NonStatic	Zero			Prog Det
TEMPERATURE	Prog Det					
TEMP4-NL		NonStatic	Zero			Prog Det
TEMPERATURE	Prog Det					

Table: Load Case Definitions, Part 2 of 3

GUID	Case	DesignAct	AutoType	RunCase	CaseStatus
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MODAL	Other	None	Yes	Finished
BUCK1	Other	None	Yes	Finished
Sisma SLV x	Short-Term Composite	None	Yes	Finished
Sisma SLV y	Short-Term Composite	None	Yes	Finished
Sisma SLV z	Short-Term Composite	None	Yes	Finished
Sisma SLD x	Short-Term Composite	None	Yes	Finished
Sisma SLD y	Short-Term Composite	None	Yes	Finished
Sisma SLD z	Short-Term Composite	None	Yes	Finished
T1	Short-Term Composite	None	Yes	Finished
T2	Short-Term Composite	None	Yes	Finished
T3	Short-Term Composite	None	Yes	Finished
G1	Non-Composite	None	Yes	Finished
G2	Long-Term Composite	None	Yes	Finished
G3	Long-Term Composite	None	Yes	Finished
Q1	Short-Term Composite	None	Yes	Finished
Q2_A	Short-Term Composite	None	Yes	Finished
Q2_B	Short-Term Composite	None	Yes	Finished
SLE_C4-NL	Short-Term Composite	None	Yes	Finished
STR_C4-NL	Short-Term Composite	None	Yes	Finished
VAR_SLE_C4	Short-Term Composite	None	Yes	Finished
TEMP1-NL	Short-Term Composite	None	Yes	Finished
TEMP2-NL	Short-Term Composite	None	Yes	Finished
TEMP3-NL	Short-Term Composite	None	Yes	Finished
TEMP4-NL	Short-Term Composite	None	Yes	Finished

Table: Load Case Definitions, Part 3 of 3

Case	Notes
MODAL	
BUCK1	
Sisma SLV x	
Sisma SLV y	
Sisma SLV z	
Sisma SLD x	
Sisma SLD y	
Sisma SLD z	
T1	
T2	
T3	
G1	

G2
G3
Q1
Q2_A
Q2_B
SLE_C4-NL
STR_C4-NL
VAR_SLE_C4
TEMP1-NL
TEMP2-NL
TEMP3-NL
TEMP4-NL

Table: Combination Definitions, Part 1 of 3

ScaleFactor	ComboName	ComboType SteelDesign	AutoDesign	CaseType	CaseName
1.000000	SLE_C1	Linear Add None	No	Linear Static	G1
1.000000	SLE_C1			Linear Static	G2
1.000000	SLE_C1			Linear Static	G3
1.000000	SLE_C2	Linear Add None	No	Response Combo	SLE_C1
1.000000	SLE_C2			Linear Static	Q1
1.000000	SLE_C2			Linear Static	Q2_B
0.600000	SLE_C3	Linear Add None	No	Response Combo	SLE_C1
1.000000	SLE_C3			Linear Static	Q1
0.500000	SLE_C3			Linear Static	Q2_B
1.000000	SLE_C4	Linear Add None	No	Response Combo	SLE_C1
1.000000	SLE_C4			Linear Static	Q2_A
1.000000	SISMA_SLV_X	Linear Add None	No	Response Spectrum	Sisma SLV x
1.000000	SISMA_SLV_X			Response Spectrum	Sisma SLV y
0.300000	SISMA_SLV_X			Response Spectrum	Sisma SLV z
0.300000	SISMA_SLV_Y	Linear Add None	No	Response Spectrum	Sisma SLV x
0.300000	SISMA_SLV_Y			Response Spectrum	Sisma SLV y
1.000000	SISMA_SLV_Y			Response Spectrum	Sisma SLV z
0.300000	SISMA_SLD_X	Linear Add None	No	Response Spectrum	Sisma SLD x
1.000000	SISMA_SLD_X			Response Spectrum	Sisma SLD y
0.300000	SISMA_SLD_X			Response Spectrum	Sisma SLD z
0.300000	SISMA_SLD_Y	Linear Add None	No	Response Spectrum	Sisma SLD x
0.300000	SISMA_SLD_Y			Response Spectrum	Sisma SLD y
1.000000	SISMA_SLD_Y			Response Spectrum	Sisma SLD z
0.300000	E_SLV_X	Linear Add	No	Response Combo	SISMA_SLV_X

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1.000000		Strength				
	E_SLV_X			Linear Static		G1
1.000000	E_SLV_X			Linear Static		G2
1.000000	E_SLV_X			Linear Static		G3
1.000000	E_SLV_X			Linear Static		Q1
0.200000	E_SLD_X	Linear Add	No	Response Combo	SISMA_SLD_X	
1.000000		None				
	E_SLD_X			Linear Static		G1
1.000000	E_SLD_X			Linear Static		G2
1.000000	E_SLD_X			Linear Static		G3
1.000000	E_SLD_X			Linear Static		Q1
0.200000	E_SLV_Y	Linear Add	No	Response Combo	SISMA_SLV_Y	
1.000000		Strength				
	E_SLV_Y			Linear Static		G1
1.000000	E_SLV_Y			Linear Static		G2
1.000000	E_SLV_Y			Linear Static		G3
1.000000	E_SLV_Y			Linear Static		Q1
0.200000	E_SLD_Y	Linear Add	No	Response Combo	SISMA_SLD_Y	
1.000000		None				
	E_SLD_Y			Linear Static		G1
1.000000	E_SLD_Y			Linear Static		G2
1.000000	E_SLD_Y			Linear Static		G3
1.000000	E_SLD_Y			Linear Static		Q1
0.200000	TEMP1	Linear Add	No	NonLin Static	TEMP1-NL	
1.000000		Strength				
	TEMP2	Linear Add	No	NonLin Static	TEMP2-NL	
1.000000		Strength				
	TEMP3	Linear Add	No	NonLin Static	TEMP3-NL	
1.000000		Strength				
	TEMP4	Linear Add	No	NonLin Static	TEMP4-NL	
1.000000		Strength				
	TEMP	Envelope	No	Response Combo	TEMP1	
1.000000		None				
	TEMP			Response Combo	TEMP2	
1.000000	TEMP			Response Combo	TEMP3	
1.000000	TEMP			Response Combo	TEMP4	
1.000000	SLEC4NL	Linear Add	No	NonLin Static	SLE_C4-NL	
1.000000		None				
	SLE	Envelope	No	Response Combo	SLE_C1	
1.000000		None				
	SLE			Response Combo	SLE_C2	
1.000000	SLE			Response Combo	SLE_C3	
1.000000	SLE			Response Combo	SLEC4NL	
1.000000	SLE			Response Combo	E_SLD_X	
1.000000	SLE			Response Combo	E_SLD_Y	

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1.000000	STR_C1	Linear Add	No	Linear Static	G1
1.300000	STR_C1	Strength		Linear Static	G2
1.300000	STR_C1			Linear Static	G3
1.300000	STR_C2	Linear Add	No	Response Combo	STR_C1
1.000000	STR_C2	Strength		Linear Static	Q1
1.500000	STR_C2			Linear Static	Q2_B
0.900000	STR_C3	Linear Add	No	Response Combo	STR_C1
1.000000	STR_C3	Strength		Linear Static	Q1
0.750000	STR_C3			Linear Static	Q2_B
1.500000	STR_C4	Linear Add	No	Response Combo	STR_C1
1.000000	STR_C4	None		Linear Static	Q2_A
1.500000	GEO_C1	Linear Add	No	Linear Static	G1
1.000000	GEO_C1	None		Linear Static	G2
1.000000	GEO_C1			Linear Static	G3
1.000000	GEO_C2	Linear Add	No	Response Combo	GEO_C1
1.000000	GEO_C2	None		Linear Static	Q1
1.300000	GEO_C2			Linear Static	Q2_B
0.780000	GEO_C3	Linear Add	No	Response Combo	GEO_C1
1.000000	GEO_C3	None		Linear Static	Q1
0.650000	GEO_C3			Linear Static	Q2_B
1.300000	GEO_C4	Linear Add	No	Response Combo	GEO_C1
1.000000	GEO_C4	None		Linear Static	Q2_A
1.300000	STRC4NL	Linear Add	No	NonLin Static	STR_C4-NL
1.000000	SLU-STR	Strength	No	Response Combo	STR_C1
1.000000	SLU-STR	Envelope		Response Combo	STR_C2
1.000000	SLU-STR	None		Response Combo	STR_C3
1.000000	SLU-STR			Response Combo	STRC4NL
1.000000	SLU-STR			Response Combo	E_SLV_X
1.000000	SLU-STR			Response Combo	E_SLV_Y
1.000000	SLU-GEO	Envelope	No	Response Combo	GEO_C1
1.000000	SLU-GEO	None		Response Combo	GEO_C2
1.000000	SLU-GEO			Response Combo	GEO_C3
1.000000	SLU-GEO			Response Combo	GEO_C4
1.000000	SLU-GEO			Response Combo	E_SLV_X

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1.000000	SLU-GEO			Response Combo		E_SLV_Y
1.000000	STR	Envelope	No	Response Combo		STR_C1
1.000000	STR	None		Response Combo		STR_C2
1.000000	STR			Response Combo		STR_C3
1.000000	STR			NonLin Static		STR_C4-NL
1.000000	TOT	Linear Add	No	Response Combo		STR
1.000000	TOT	Strength		Response Combo		TEMP
0.900000	TOTGEO	Linear Add	No	Response Combo		SLU-GEO
1.000000	TOTGEO	None		Response Combo		TEMP
0.780000						

Table: Combination Definitions, Part 2 of 3

	ComboName	CaseName	ConcDesign	AlumDesign
ColdDesign				
None	SLE_C1	G1	None	None
	SLE_C1	G2		
	SLE_C1	G3		
None	SLE_C2	SLE_C1	None	None
	SLE_C2	Q1		
	SLE_C2	Q2_B		
None	SLE_C3	SLE_C1	None	None
	SLE_C3	Q1		
	SLE_C3	Q2_B		
None	SLE_C4	SLE_C1	None	None
	SLE_C4	Q2_A		
None	SISMA_SLV_X	Sisma SLV x	None	None
	SISMA_SLV_X	Sisma SLV y		
	SISMA_SLV_X	Sisma SLV z		
None	SISMA_SLV_Y	Sisma SLV x	None	None
	SISMA_SLV_Y	Sisma SLV y		
	SISMA_SLV_Y	Sisma SLV z		
None	SISMA_SLD_X	Sisma SLD x	None	None
	SISMA_SLD_X	Sisma SLD y		
	SISMA_SLD_X	Sisma SLD z		

		1aYA-0304 ALLEGATI SAP_INPUT	
SISMA_SLD_Y	Sisma SLD x	None	None
None			
SISMA_SLD_Y	Sisma SLD y		
SISMA_SLD_Y	Sisma SLD z		
E_SLV_X	SISMA_SLV_X	None	None
None			
E_SLV_X	G1		
E_SLV_X	G2		
E_SLV_X	G3		
E_SLV_X	Q1		
E_SLD_X	SISMA_SLD_X	None	None
None			
E_SLD_X	G1		
E_SLD_X	G2		
E_SLD_X	G3		
E_SLD_X	Q1		
E_SLV_Y	SISMA_SLV_Y	None	None
None			
E_SLV_Y	G1		
E_SLV_Y	G2		
E_SLV_Y	G3		
E_SLV_Y	Q1		
E_SLD_Y	SISMA_SLD_Y	None	None
None			
E_SLD_Y	G1		
E_SLD_Y	G2		
E_SLD_Y	G3		
E_SLD_Y	Q1		
TEMP1	TEMP1-NL	None	None
None			
TEMP2	TEMP2-NL	None	None
None			
TEMP3	TEMP3-NL	None	None
None			
TEMP4	TEMP4-NL	None	None
None			
TEMP	TEMP1	None	None
None			
TEMP	TEMP2		
TEMP	TEMP3		
TEMP	TEMP4		
SLEC4NL	SLE_C4-NL	None	None
None			
SLE	SLE_C1	None	None
None			
SLE	SLE_C2		

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	SLE	SLE_C3		
	SLE	SLEC4NL		
	SLE	E_SLD_X		
	SLE	E_SLD_Y		
None	STR_C1	G1	None	None
	STR_C1	G2		
	STR_C1	G3		
None	STR_C2	STR_C1	None	None
	STR_C2	Q1		
	STR_C2	Q2_B		
None	STR_C3	STR_C1	None	None
	STR_C3	Q1		
	STR_C3	Q2_B		
None	STR_C4	STR_C1	None	None
	STR_C4	Q2_A		
None	GEO_C1	G1	None	None
	GEO_C1	G2		
	GEO_C1	G3		
None	GEO_C2	GEO_C1	None	None
	GEO_C2	Q1		
	GEO_C2	Q2_B		
None	GEO_C3	GEO_C1	None	None
	GEO_C3	Q1		
	GEO_C3	Q2_B		
None	GEO_C4	GEO_C1	None	None
	GEO_C4	Q2_A		
None	STRC4NL	STR_C4-NL	None	None
None	SLU-STR	STR_C1	None	None
	SLU-STR	STR_C2		
	SLU-STR	STR_C3		
	SLU-STR	STRC4NL		
	SLU-STR	E_SLV_X		
	SLU-STR	E_SLV_Y		
None	SLU-GEO	GEO_C1	None	None

		1aYA-0304 ALLEGATI SAP_INPUT		
	SLU-GEO	GEO_C2		
	SLU-GEO	GEO_C3		
	SLU-GEO	GEO_C4		
	SLU-GEO	E_SLV_X		
	SLU-GEO	E_SLV_Y		
None	STR	STR_C1	None	None
	STR	STR_C2		
	STR	STR_C3		
	STR	STR_C4-NL		
None	TOT	STR	None	None
	TOT	TEMP		
None	TOTGEO	SLU-GEO	None	None
	TOTGEO	TEMP		

Table: Combination Definitions, Part 3 of 3

Notes	ComboName	CaseName	GUID
	SLE_C1	G1	
	SLE_C1	G2	
	SLE_C1	G3	
	SLE_C2	SLE_C1	
	SLE_C2	Q1	
	SLE_C2	Q2_B	
	SLE_C3	SLE_C1	
	SLE_C3	Q1	
	SLE_C3	Q2_B	
	SLE_C4	SLE_C1	
	SLE_C4	Q2_A	
	SISMA_SLV_X	Sisma SLV x	
	SISMA_SLV_X	Sisma SLV y	
	SISMA_SLV_X	Sisma SLV z	
	SISMA_SLV_Y	Sisma SLV x	
	SISMA_SLV_Y	Sisma SLV y	
	SISMA_SLV_Y	Sisma SLV z	

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SISMA_SLD_X	Sisma SLD x
SISMA_SLD_X	Sisma SLD y
SISMA_SLD_X	Sisma SLD z
SISMA_SLD_Y	Sisma SLD x
SISMA_SLD_Y	Sisma SLD y
SISMA_SLD_Y	Sisma SLD z
E_SLV_X	SISMA_SLV_X
E_SLV_X	G1
E_SLV_X	G2
E_SLV_X	G3
E_SLV_X	Q1
E_SLD_X	SISMA_SLD_X
E_SLD_X	G1
E_SLD_X	G2
E_SLD_X	G3
E_SLD_X	Q1
E_SLV_Y	SISMA_SLV_Y
E_SLV_Y	G1
E_SLV_Y	G2
E_SLV_Y	G3
E_SLV_Y	Q1
E_SLD_Y	SISMA_SLD_Y
E_SLD_Y	G1
E_SLD_Y	G2
E_SLD_Y	G3
E_SLD_Y	Q1
TEMP1	TEMP1-NL
TEMP2	TEMP2-NL
TEMP3	TEMP3-NL
TEMP4	TEMP4-NL
TEMP	TEMP1
TEMP	TEMP2
TEMP	TEMP3
TEMP	TEMP4

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SLEC4NL	SLE_C4-NL
SLE	SLE_C1
SLE	SLE_C2
SLE	SLE_C3
SLE	SLEC4NL
SLE	E_SLD_X
SLE	E_SLD_Y
STR_C1	G1
STR_C1	G2
STR_C1	G3
STR_C2	STR_C1
STR_C2	Q1
STR_C2	Q2_B
STR_C3	STR_C1
STR_C3	Q1
STR_C3	Q2_B
STR_C4	STR_C1
STR_C4	Q2_A
GEO_C1	G1
GEO_C1	G2
GEO_C1	G3
GEO_C2	GEO_C1
GEO_C2	Q1
GEO_C2	Q2_B
GEO_C3	GEO_C1
GEO_C3	Q1
GEO_C3	Q2_B
GEO_C4	GEO_C1
GEO_C4	Q2_A
STRC4NL	STR_C4-NL
SLU-STR	STR_C1
SLU-STR	STR_C2
SLU-STR	STR_C3
SLU-STR	STRC4NL

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SLU-STR	E_SLV_X
SLU-STR	E_SLV_Y
SLU-GEO	GEO_C1
SLU-GEO	GEO_C2
SLU-GEO	GEO_C3
SLU-GEO	GEO_C4
SLU-GEO	E_SLV_X
SLU-GEO	E_SLV_Y
STR	STR_C1
STR	STR_C2
STR	STR_C3
STR	STR_C4-NL
TOT	STR
TOT	TEMP
TOTGEO	SLU-GEO
TOTGEO	TEMP