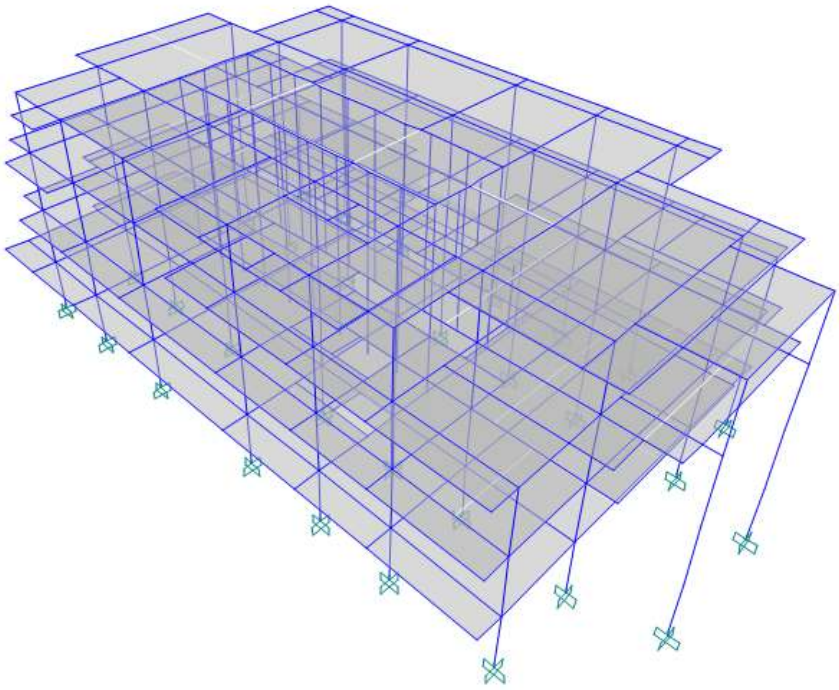
ETABS®



Datos de salida

Model File: ALOJA. MED., Revision 0
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1 Analysis Results

This chapter provides analysis results.

1.1 Structure Results

Table 1.1 - Base Reactions (Part 1 of 2)

Output Case	Case Type	Step Type	FX kN	FY kN	FZ kN	MX kN-m	MY kN-m	MZ kN-m
Pp	LinStatic		0	0	8406.6437	130108.9723	-72799.6857	0
L	LinStatic		0	0	4321.0513	68294.3238	-37663.1753	0
D	LinStatic		0	0	8389.7313	134713.4737	-71566.412	0
Sismo X	LinStatic		-9286.0867	0	0	0	-80304.4489	155585.8046
Sismo Y	LinStatic		0	-9286.0867	0	80304.4489	0	-86629.6705
Le	LinStatic		0	0	705.0462	11030.5735	-6442.6382	0
Der X	LinRespSpec	Max	7428.9079	139.8495	0	955.9157	66062.4939	112899.2021
Der Y	LinRespSpec	Max	134.7402	7428.9102	0	64815.8563	734.928	58743.2094
Dis. X	LinRespSpec	Max	1634.4918	30.7694	0	210.3184	14534.9231	24839.8316
Dis. Y	LinRespSpec	Max	29.6452	1634.4915	0	14260.6338	161.6971	12924.5442
Lr	LinStatic		0	0	464.7341	6752.5868	-3583.7622	0
Ez	LinStatic		0	0	464.73	9803.7791	-2821.1608	0
C1	Combination		0	0	23514.9249	370751.4243	-202112.5369	0
C2	Combination		0	0	27301.699	430434.1467	-235292.2788	0
C2.1	Combination		0	0	27421.8551	432573.14	-236721.7169	0
C3	Combination		0	0	25220.2758	396885.3979	-216636.5121	0
C4	Combination		0	0	24709.0683	389457.5524	-212694.3737	0
C5	Combination	Max	1643.3854	521.1168	24941.4312	400373.5466	-199140.2211	28717.1948
C5	Combination	Min	-1643.3854	-521.1168	24941.4312	391396.5295	-228307.0856	-28717.1948
C5.1	Combination	Max	519.9928	1643.7223	24941.4312	410208.7674	-209201.4793	20376.4936
C5.1	Combination	Min	-519.9928	-1643.7223	24941.4312	381561.3087	-218245.8275	-20376.4936
C6	Combination		0	0	15116.7374	238340.2013	-129929.488	0
C7	Combination	Max	1643.3854	521.1168	15581.4674	252632.489	-118167.2165	28717.1948
C7	Combination	Min	-1643.3854	-521.1168	15581.4674	243655.4719	-147334.081	-28717.1948
C7.1	Combination	Max	519.9928	1643.7223	15581.4674	262467.7098	-128228.4747	20376.4936
C7.1	Combination	Min	-519.9928	-1643.7223	15581.4674	233820.2511	-137272.8229	-20376.4936
S1	Combination		0	0	16796.3749	264822.4459	-144366.0978	0
S2	Combination		0	0	21117.4262	333116.7698	-182029.273	0
S4	Combination		0	0	20385.714	321107.6289	-175301.3009	0
S6	Combination	Max	1150.3698	364.7818	16796.3749	267964.4019	-134157.6952	20102.0364
S6	Combination	Min	-1150.3698	-364.7818	16796.3749	261680.4899	-154574.5003	-20102.0364
S6.1	Combination	Max	363.9949	1150.6056	16796.3749	274849.0565	-141200.5759	14263.5456
S6.1	Combination	Min	-363.9949	-1150.6056	16796.3749	254795.8354	-147531.6196	-14263.5456
S8	Combination	Max	862.7773	273.5863	20385.714	323464.0959	-167644.9989	15076.5273
S8	Combination	Min	-862.7773	-273.5863	20385.714	318751.1619	-182957.6028	-15076.5273
S8.1	Combination	Max	272.9962	862.9542	20385.714	328627.5868	-172927.1595	10697.6592
S8.1	Combination	Min	-272.9962	-862.9542	20385.714	313587.671	-177675.4423	-10697.6592
S10	Combination	Max	1150.3698	364.7818	10077.825	162035.4236	-76411.2561	20102.0364
S10	Combination	Min	-1150.3698	-364.7818	10077.825	155751.5116	-96828.0612	-20102.0364
S10.1	Combination	Max	363.9949	1150.6056	10077.825	168920.0781	-83454.1368	14263.5456
S10.1	Combination	Min	-363.9949	-1150.6056	10077.825	148866.857	-89785.1805	-14263.5456
Envol	Combination	Max	1643.3854	1643.7223	27421.8551	432573.14	-118167.2165	28717.1948
Envol	Combination	Min	-1643.3854	-1643.7223	15116.7374	233820.2511	-236721.7169	-28717.1948
EnvolS	Combination	Max	1150.3698	1150.6056	21117.4262	333116.7698	-76411.2561	20102.0364
EnvolS	Combination	Min	-1150.3698	-1150.6056	10077.825	148866.857	-182957.6028	-20102.0364

Table 1.1 - Base Reactions (Part 1 of 2, continued)

Output Case	Case Type	Step Type	FX kN	FY kN	FZ kN	MX kN-m	MY kN-m	MZ kN-m
S3	Combination		0	0	17261.109	271575.0328	-147949.86	0
C4.1	Combination		0	0	24829.2243	391596.5457	-214123.8117	0
C3.1	Combination		0	0	25604.7751	403730.1765	-221210.7138	0

Table 1.1 - Base Reactions (Part 2 of 2)

X m	Y m	Z m
0	0	-3
0	0	-3
0	0	-3

Table 1.1 - Base Reactions (Part 2 of 2, continued)

X m	Y m	Z m
0	0	-3
0	0	-3
0	0	-3
0	0	-3
0	0	-3
0	0	-3

Table 1.2 - 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 1.3 - Diaphragm Center Of Mass Displacements

Story	Diaphragm	Output Case	Case Type	Step Type	UX m	UY m	RZ rad	Point	X m	Y m	Z m
Piso 3	D1	Pp	LinStatic		-0.000133	0.000848	-2E-06	198	8.892	14.849	6.75
Piso 3	D1	L	LinStatic		-9.1E-05	0.000449	4.182E-07	198	8.892	14.849	6.75
Piso 3	D1	D	LinStatic		-0.000226	0.001032	-3E-06	198	8.892	14.849	6.75
Piso 3	D1	Sismo X	LinStatic		0.094345	0.000158	-0.000594	198	8.892	14.849	6.75
Piso 3	D1	Sismo Y	LinStatic		0.000181	0.093608	0.000143	198	8.892	14.849	6.75
Piso 3	D1	Le	LinStatic		5E-06	8.4E-05	-1E-06	198	8.892	14.849	6.75
Piso 3	D1	Der X	LinRespSpec	Max	0.078631	0.0012	0.000465	198	8.892	14.849	6.75
Piso 3	D1	Der Y	LinRespSpec	Max	0.000701	0.076132	0.000926	198	8.892	14.849	6.75
Piso 3	D1	Dis. X	LinRespSpec	Max	0.0173	0.000264	0.000102	198	8.892	14.849	6.75
Piso 3	D1	Dis. Y	LinRespSpec	Max	0.000154	0.01675	0.000204	198	8.892	14.849	6.75
Piso 3	D1	Lr	LinStatic		-1E-06	4.5E-05	-4.977E-07	198	8.892	14.849	6.75
Piso 3	D1	Ez	LinStatic		-0.000224	0.000549	1E-06	198	8.892	14.849	6.75
Piso 3	D1	C1	Combination		-0.000501	0.002632	-7E-06	198	8.892	14.849	6.75
Piso 3	D1	C2	Combination		-0.000576	0.002997	-5E-06	198	8.892	14.849	6.75
Piso 3	D1	C2.1	Combination		-0.000573	0.003016	-5E-06	198	8.892	14.849	6.75
Piso 3	D1	C3	Combination		-0.000522	0.002776	-6E-06	198	8.892	14.849	6.75
Piso 3	D1	C4	Combination		-0.000521	0.002727	-5E-06	198	8.892	14.849	6.75
Piso 3	D1	C5	Combination	Max	0.016601	0.008543	0.000159	198	8.892	14.849	6.75
Piso 3	D1	C5	Combination	Min	-0.018092	-0.002035	-0.000168	198	8.892	14.849	6.75
Piso 3	D1	C5.1	Combination	Max	0.004599	0.020083	0.00023	198	8.892	14.849	6.75
Piso 3	D1	C5.1	Combination	Min	-0.006089	-0.013576	-0.000239	198	8.892	14.849	6.75
Piso 3	D1	C6	Combination		-0.000322	0.001692	-4E-06	198	8.892	14.849	6.75
Piso 3	D1	C7	Combination	Max	0.0168	0.00753	0.00016	198	8.892	14.849	6.75
Piso 3	D1	C7	Combination	Min	-0.017893	-0.003048	-0.000167	198	8.892	14.849	6.75
Piso 3	D1	C7.1	Combination	Max	0.004798	0.01907	0.000231	198	8.892	14.849	6.75
Piso 3	D1	C7.1	Combination	Min	-0.005891	-0.014589	-0.000238	198	8.892	14.849	6.75
Piso 3	D1	S1	Combination		-0.000358	0.00188	-5E-06	198	8.892	14.849	6.75

Table 1.3 - Diaphragm Center Of Mass Displacements (continued)

Story	Diaphragm	Output Case	Case Type	Step Type	UX m	UY m	RZ rad	Point	X m	Y m	Z m
Piso 3	D1	S2	Combination		-0.000449	0.002329	-4E-06	198	8.892	14.849	6.75
Piso 3	D1	S4	Combination		-0.000427	0.00225	-5E-06	198	8.892	14.849	6.75
Piso 3	D1	S6	Combination	Max	0.011784	0.005582	0.00011	198	8.892	14.849	6.75
Piso 3	D1	S6	Combination	Min	-0.012501	-0.001823	-0.000119	198	8.892	14.849	6.75
Piso 3	D1	S6.1	Combination	Max	0.003383	0.013661	0.00016	198	8.892	14.849	6.75
Piso 3	D1	S6.1	Combination	Min	-0.004099	-0.009901	-0.000169	198	8.892	14.849	6.75
Piso 3	D1	S8	Combination	Max	0.00868	0.005027	8.1E-05	198	8.892	14.849	6.75
Piso 3	D1	S8	Combination	Min	-0.009534	-0.000527	-9.1E-05	198	8.892	14.849	6.75
Piso 3	D1	S8.1	Combination	Max	0.002379	0.011086	0.000118	198	8.892	14.849	6.75
Piso 3	D1	S8.1	Combination	Min	-0.003233	-0.006585	-0.000128	198	8.892	14.849	6.75
Piso 3	D1	S10	Combination	Max	0.011928	0.00483	0.000112	198	8.892	14.849	6.75
Piso 3	D1	S10	Combination	Min	-0.012357	-0.002574	-0.000117	198	8.892	14.849	6.75
Piso 3	D1	S10.1	Combination	Max	0.003526	0.012909	0.000161	198	8.892	14.849	6.75
Piso 3	D1	S10.1	Combination	Min	-0.003956	-0.010653	-0.000167	198	8.892	14.849	6.75
Piso 3	D1	Envol	Combination	Max	0.0168	0.020083	0.000231	198	8.892	14.849	6.75
Piso 3	D1	Envol	Combination	Min	-0.018092	-0.014589	-0.000239	198	8.892	14.849	6.75
Piso 3	D1	EnvolS	Combination	Max	0.011928	0.013661	0.000161	198	8.892	14.849	6.75
Piso 3	D1	EnvolS	Combination	Min	-0.012501	-0.010653	-0.000169	198	8.892	14.849	6.75
Piso 3	D1	S3	Combination		-0.000359	0.001924	-5E-06	198	8.892	14.849	6.75
Piso 3	D1	C4.1	Combination		-0.000518	0.002747	-6E-06	198	8.892	14.849	6.75
Piso 3	D1	C3.1	Combination		-0.000513	0.002839	-6E-06	198	8.892	14.849	6.75
Piso 2	D1	Pp	LinStatic		-9.7E-05	0.000527	4.184E-08	259	8.7287	16.4381	3.29
Piso 2	D1	L	LinStatic		-5.6E-05	0.000287	-1E-06	259	8.7287	16.4381	3.29
Piso 2	D1	D	LinStatic		-0.00013	0.000651	-4E-06	259	8.7287	16.4381	3.29
Piso 2	D1	Sismo X	LinStatic		0.054253	0.000118	-0.000368	259	8.7287	16.4381	3.29
Piso 2	D1	Sismo Y	LinStatic		-8.1E-05	0.057327	9E-05	259	8.7287	16.4381	3.29
Piso 2	D1	Le	LinStatic		3.608E-07	3.8E-05	1.994E-07	259	8.7287	16.4381	3.29
Piso 2	D1	Der X	LinRespSpec	Max	0.044244	0.000671	0.00028	259	8.7287	16.4381	3.29
Piso 2	D1	Der Y	LinRespSpec	Max	0.001205	0.046582	0.00054	259	8.7287	16.4381	3.29
Piso 2	D1	Dis. X	LinRespSpec	Max	0.009734	0.000148	6.2E-05	259	8.7287	16.4381	3.29
Piso 2	D1	Dis. Y	LinRespSpec	Max	0.000265	0.010249	0.000119	259	8.7287	16.4381	3.29
Piso 2	D1	Lr	LinStatic		-1E-06	2E-05	6.469E-08	259	8.7287	16.4381	3.29
Piso 2	D1	Ez	LinStatic		-0.000117	0.000362	4.814E-07	259	8.7287	16.4381	3.29
Piso 2	D1	C1	Combination		-0.000318	0.001648	-5E-06	259	8.7287	16.4381	3.29
Piso 2	D1	C2	Combination		-0.000362	0.001881	-6E-06	259	8.7287	16.4381	3.29
Piso 2	D1	C2.1	Combination		-0.000361	0.001891	-6E-06	259	8.7287	16.4381	3.29
Piso 2	D1	C3	Combination		-0.000329	0.001731	-5E-06	259	8.7287	16.4381	3.29
Piso 2	D1	C4	Combination		-0.000328	0.001709	-5E-06	259	8.7287	16.4381	3.29
Piso 2	D1	C5	Combination	Max	0.009369	0.005284	9.2E-05	259	8.7287	16.4381	3.29
Piso 2	D1	C5	Combination	Min	-0.010259	-0.00116	-0.000102	259	8.7287	16.4381	3.29
Piso 2	D1	C5.1	Combination	Max	0.00274	0.012355	0.000132	259	8.7287	16.4381	3.29

Table 1.3 - Diaphragm Center Of Mass Displacements (continued)

Story	Diaphragm	Output Case	Case Type	Step Type	UX m	UY m	RZ rad	Point	X m	Y m	Z m
Piso 2	D1	C5.1	Combination	Min	-0.003631	-0.008231	-0.000142	259	8.7287	16.4381	3.29
Piso 2	D1	C6	Combination		-0.000204	0.001059	-4E-06	259	8.7287	16.4381	3.29
Piso 2	D1	C7	Combination	Max	0.009492	0.004644	9.4E-05	259	8.7287	16.4381	3.29
Piso 2	D1	C7	Combination	Min	-0.010136	-0.0018	-0.0001	259	8.7287	16.4381	3.29
Piso 2	D1	C7.1	Combination	Max	0.002864	0.011715	0.000134	259	8.7287	16.4381	3.29
Piso 2	D1	C7.1	Combination	Min	-0.003507	-0.008871	-0.00014	259	8.7287	16.4381	3.29
Piso 2	D1	S1	Combination		-0.000227	0.001177	-4E-06	259	8.7287	16.4381	3.29
Piso 2	D1	S2	Combination		-0.000282	0.001464	-5E-06	259	8.7287	16.4381	3.29
Piso 2	D1	S4	Combination		-0.000269	0.001407	-4E-06	259	8.7287	16.4381	3.29
Piso 2	D1	S6	Combination	Max	0.006643	0.003433	6.4E-05	259	8.7287	16.4381	3.29
Piso 2	D1	S6	Combination	Min	-0.007097	-0.001078	-7.2E-05	259	8.7287	16.4381	3.29
Piso 2	D1	S6.1	Combination	Max	0.002003	0.008382	9.2E-05	259	8.7287	16.4381	3.29
Piso 2	D1	S6.1	Combination	Min	-0.002457	-0.006028	-0.0001	259	8.7287	16.4381	3.29
Piso 2	D1	S8	Combination	Max	0.004883	0.003099	4.7E-05	259	8.7287	16.4381	3.29
Piso 2	D1	S8	Combination	Min	-0.005422	-0.000285	-5.5E-05	259	8.7287	16.4381	3.29
Piso 2	D1	S8.1	Combination	Max	0.001403	0.006811	6.8E-05	259	8.7287	16.4381	3.29
Piso 2	D1	S8.1	Combination	Min	-0.001942	-0.003997	-7.6E-05	259	8.7287	16.4381	3.29
Piso 2	D1	S10	Combination	Max	0.006734	0.002962	6.6E-05	259	8.7287	16.4381	3.29
Piso 2	D1	S10	Combination	Min	-0.007006	-0.001549	-7E-05	259	8.7287	16.4381	3.29
Piso 2	D1	S10.1	Combination	Max	0.002094	0.007911	9.4E-05	259	8.7287	16.4381	3.29
Piso 2	D1	S10.1	Combination	Min	-0.002366	-0.006499	-9.8E-05	259	8.7287	16.4381	3.29
Piso 2	D1	Envol	Combination	Max	0.009492	0.012355	0.000134	259	8.7287	16.4381	3.29
Piso 2	D1	Envol	Combination	Min	-0.010259	-0.008871	-0.000142	259	8.7287	16.4381	3.29
Piso 2	D1	EnvolS	Combination	Max	0.006734	0.008382	9.4E-05	259	8.7287	16.4381	3.29
Piso 2	D1	EnvolS	Combination	Min	-0.007097	-0.006499	-0.0001	259	8.7287	16.4381	3.29
Piso 2	D1	S3	Combination		-0.000228	0.001197	-4E-06	259	8.7287	16.4381	3.29
Piso 2	D1	C4.1	Combination		-0.000328	0.001718	-5E-06	259	8.7287	16.4381	3.29
Piso 2	D1	C3.1	Combination		-0.000327	0.00176	-5E-06	259	8.7287	16.4381	3.29
Piso 1	D1	Pp	LinStatic		-2.9E-05	0.000164	-1.125E-08	308	8.4998	16.8015	-0.05
Piso 1	D1	L	LinStatic		-1.5E-05	8.5E-05	-1E-06	308	8.4998	16.8015	-0.05
Piso 1	D1	D	LinStatic		-3.4E-05	0.000199	-2E-06	308	8.4998	16.8015	-0.05
Piso 1	D1	Sismo X	LinStatic		0.016293	6.3E-05	-0.000125	308	8.4998	16.8015	-0.05
Piso 1	D1	Sismo Y	LinStatic		-4.3E-05	0.018594	3E-05	308	8.4998	16.8015	-0.05
Piso 1	D1	Le	LinStatic		9.992E-08	1.2E-05	2.289E-07	308	8.4998	16.8015	-0.05
Piso 1	D1	Der X	LinRespSpec	Max	0.013077	0.000217	9.2E-05	308	8.4998	16.8015	-0.05
Piso 1	D1	Der Y	LinRespSpec	Max	0.000431	0.015031	0.000166	308	8.4998	16.8015	-0.05
Piso 1	D1	Dis. X	LinRespSpec	Max	0.002877	4.8E-05	2E-05	308	8.4998	16.8015	-0.05
Piso 1	D1	Dis. Y	LinRespSpec	Max	9.5E-05	0.003307	3.6E-05	308	8.4998	16.8015	-0.05
Piso 1	D1	Lr	LinStatic		-1.608E-07	6E-06	1.075E-07	308	8.4998	16.8015	-0.05

Table 1.3 - Diaphragm Center Of Mass Displacements (continued)

Story	Diaphragm	Output Case	Case Type	Step Type	UX m	UY m	RZ rad	Point	X m	Y m	Z m
Piso 1	D1	Ez	LinStatic		-3.1E-05	0.000111	1.015E-07	308	8.4998	16.8015	-0.05
Piso 1	D1	C1	Combination		-8.8E-05	0.000508	-3E-06	308	8.4998	16.8015	-0.05
Piso 1	D1	C2	Combination		-9.9E-05	0.000575	-3E-06	308	8.4998	16.8015	-0.05
Piso 1	D1	C2.1	Combination		-9.9E-05	0.000578	-3E-06	308	8.4998	16.8015	-0.05
Piso 1	D1	C3	Combination		-9E-05	0.000531	-3E-06	308	8.4998	16.8015	-0.05
Piso 1	D1	C4	Combination		-9E-05	0.000524	-3E-06	308	8.4998	16.8015	-0.05
Piso 1	D1	C5	Combination	Max	0.002785	0.001672	2.8E-05	308	8.4998	16.8015	-0.05
Piso 1	D1	C5	Combination	Min	-0.003026	-0.000408	-3.4E-05	308	8.4998	16.8015	-0.05
Piso 1	D1	C5.1	Combination	Max	0.000837	0.003953	4E-05	308	8.4998	16.8015	-0.05
Piso 1	D1	C5.1	Combination	Min	-0.001079	-0.00269	-4.6E-05	308	8.4998	16.8015	-0.05
Piso 1	D1	C6	Combination		-5.6E-05	0.000327	-2E-06	308	8.4998	16.8015	-0.05
Piso 1	D1	C7	Combination	Max	0.002819	0.001478	2.9E-05	308	8.4998	16.8015	-0.05
Piso 1	D1	C7	Combination	Min	-0.002993	-0.000602	-3.3E-05	308	8.4998	16.8015	-0.05
Piso 1	D1	C7.1	Combination	Max	0.000871	0.003759	4.1E-05	308	8.4998	16.8015	-0.05
Piso 1	D1	C7.1	Combination	Min	-0.001045	-0.002884	-4.4E-05	308	8.4998	16.8015	-0.05
Piso 1	D1	S1	Combination		-6.3E-05	0.000363	-2E-06	308	8.4998	16.8015	-0.05
Piso 1	D1	S2	Combination		-7.7E-05	0.000448	-3E-06	308	8.4998	16.8015	-0.05
Piso 1	D1	S4	Combination		-7.4E-05	0.000432	-2E-06	308	8.4998	16.8015	-0.05
Piso 1	D1	S6	Combination	Max	0.001971	0.001091	2E-05	308	8.4998	16.8015	-0.05
Piso 1	D1	S6	Combination	Min	-0.002097	-0.000365	-2.4E-05	308	8.4998	16.8015	-0.05
Piso 1	D1	S6.1	Combination	Max	0.000608	0.002688	2.8E-05	308	8.4998	16.8015	-0.05
Piso 1	D1	S6.1	Combination	Min	-0.000733	-0.001962	-3.2E-05	308	8.4998	16.8015	-0.05
Piso 1	D1	S8	Combination	Max	0.001452	0.000978	1.4E-05	308	8.4998	16.8015	-0.05
Piso 1	D1	S8	Combination	Min	-0.001599	-0.000114	-1.9E-05	308	8.4998	16.8015	-0.05
Piso 1	D1	S8.1	Combination	Max	0.000429	0.002175	2E-05	308	8.4998	16.8015	-0.05
Piso 1	D1	S8.1	Combination	Min	-0.000577	-0.001312	-2.5E-05	308	8.4998	16.8015	-0.05
Piso 1	D1	S10	Combination	Max	0.001996	0.000946	2.1E-05	308	8.4998	16.8015	-0.05
Piso 1	D1	S10	Combination	Min	-0.002072	-0.00051	-2.3E-05	308	8.4998	16.8015	-0.05
Piso 1	D1	S10.1	Combination	Max	0.000633	0.002543	2.9E-05	308	8.4998	16.8015	-0.05
Piso 1	D1	S10.1	Combination	Min	-0.000708	-0.002107	-3.1E-05	308	8.4998	16.8015	-0.05
Piso 1	D1	Envol	Combination	Max	0.002819	0.003953	4.1E-05	308	8.4998	16.8015	-0.05
Piso 1	D1	Envol	Combination	Min	-0.003026	-0.002884	-4.6E-05	308	8.4998	16.8015	-0.05
Piso 1	D1	EnvolS	Combination	Max	0.001996	0.002688	2.9E-05	308	8.4998	16.8015	-0.05
Piso 1	D1	EnvolS	Combination	Min	-0.002097	-0.002107	-3.2E-05	308	8.4998	16.8015	-0.05
Piso 1	D1	S3	Combination		-6.3E-05	0.000369	-2E-06	308	8.4998	16.8015	-0.05
Piso 1	D1	C4.1	Combination		-9E-05	0.000527	-3E-06	308	8.4998	16.8015	-0.05
Piso 1	D1	C3.1	Combination		-9E-05	0.000541	-3E-06	308	8.4998	16.8015	-0.05

1.2 Story Results

Table 1.4 - Story Drifts

Story	Output Case	Case Type	Step Type	Direction	Drift	Label	X m	Y m	Z m
Cubierta	Pp	LinStatic		Y	0.000123	2	12.28	-3.93	10.08
Cubierta	L	LinStatic		X	6.4E-05	108	13.28	21.8	10.08
Cubierta	L	LinStatic		Y	6.4E-05	1	5.83	-3.93	10.08
Cubierta	D	LinStatic		X	0.000118	108	13.28	21.8	10.08
Cubierta	D	LinStatic		Y	0.000157	1	5.83	-3.93	10.08
Cubierta	Sismo X	LinStatic		X	0.016489	94	6.76	17.39	10.08
Cubierta	Sismo Y	LinStatic		Y	0.009131	119	8.2	26.99	10.08
Cubierta	Le	LinStatic		X	0.000153	108	13.28	21.8	10.08
Cubierta	Le	LinStatic		Y	3.9E-05	57	0	9.71	10.08
Cubierta	Der X	LinRespSpec	Max	X	0.016954	94	6.76	17.39	10.08
Cubierta	Der Y	LinRespSpec	Max	X	0.001844	1	5.83	-3.93	10.08
Cubierta	Der Y	LinRespSpec	Max	Y	0.008188	119	8.2	26.99	10.08
Cubierta	Dis. X	LinRespSpec	Max	X	0.00373	94	6.76	17.39	10.08
Cubierta	Dis. Y	LinRespSpec	Max	X	0.000406	1	5.83	-3.93	10.08
Cubierta	Dis. Y	LinRespSpec	Max	Y	0.001801	119	8.2	26.99	10.08
Cubierta	Lr	LinStatic		X	7.7E-05	108	13.28	21.8	10.08
Cubierta	Lr	LinStatic		Y	2.1E-05	57	0	9.71	10.08
Cubierta	Ez	LinStatic		X	4E-05	104	0	21.8	10.08
Cubierta	Ez	LinStatic		Y	3.4E-05	143	13.28	31.19	10.08
Cubierta	C1	Combination		Y	0.000385	2	12.28	-3.93	10.08
Cubierta	C2	Combination		X	0.000471	108	13.28	21.8	10.08
Cubierta	C2	Combination		Y	0.00044	1	5.83	-3.93	10.08
Cubierta	C2.1	Combination		X	0.000509	108	13.28	21.8	10.08
Cubierta	C2.1	Combination		Y	0.000443	2	12.28	-3.93	10.08
Cubierta	C3	Combination		X	0.000517	108	13.28	21.8	10.08
Cubierta	C3	Combination		Y	0.000425	2	12.28	-3.93	10.08
Cubierta	C4	Combination		X	0.000432	108	13.28	21.8	10.08
Cubierta	C4	Combination		Y	0.000402	2	12.28	-3.93	10.08
Cubierta	C5	Combination	Max	X	0.003972	94	6.76	17.39	10.08
Cubierta	C5	Combination	Max	Y	0.000893	121	9.64	26.99	10.08
Cubierta	C5	Combination	Min	X	0.003907	95	11.08	17.39	10.08
Cubierta	C5.1	Combination	Max	X	0.00148	99	6.76	19.31	10.08
Cubierta	C5.1	Combination	Max	Y	0.00204	119	8.2	26.99	10.08
Cubierta	C5.1	Combination	Min	X	0.001586	95	11.08	17.39	10.08
Cubierta	C5.1	Combination	Min	Y	0.001638	119	8.2	26.99	10.08
Cubierta	C6	Combination		Y	0.000247	2	12.28	-3.93	10.08
Cubierta	C7	Combination	Max	X	0.00389	94	6.76	17.39	10.08
Cubierta	C7	Combination	Max	Y	0.000823	121	9.64	26.99	10.08
Cubierta	C7	Combination	Min	X	0.003766	95	11.08	17.39	10.08
Cubierta	C7	Combination	Min	Y	0.000526	119	8.2	26.99	10.08
Cubierta	C7.1	Combination	Max	X	0.001388	94	6.76	17.39	10.08
Cubierta	C7.1	Combination	Max	Y	0.001979	119	8.2	26.99	10.08
Cubierta	C7.1	Combination	Min	X	0.001445	95	11.08	17.39	10.08
Cubierta	C7.1	Combination	Min	Y	0.001699	119	8.2	26.99	10.08
Cubierta	S1	Combination		Y	0.000275	2	12.28	-3.93	10.08
Cubierta	S2	Combination		X	0.000339	108	13.28	21.8	10.08
Cubierta	S2	Combination		Y	0.000338	1	5.83	-3.93	10.08
Cubierta	S4	Combination		X	0.000381	108	13.28	21.8	10.08

Table 1.4 - Story Drifts (continued)

Story	Output Case	Case Type	Step Type	Direction	Drift	Label	X m	Y m	Z m
Cubierta	S4	Combination		Y	0.000337	2	12.28	-3.93	10.08
Cubierta	S6	Combination	Max	X	0.002813	94	6.76	17.39	10.08
Cubierta	S6	Combination	Max	Y	0.000609	121	9.64	26.99	10.08
Cubierta	S6	Combination	Min	X	0.002724	95	11.08	17.39	10.08
Cubierta	S6.1	Combination	Max	X	0.00107	99	6.76	19.31	10.08
Cubierta	S6.1	Combination	Max	Y	0.001411	119	8.2	26.99	10.08
Cubierta	S6.1	Combination	Min	X	0.001099	95	11.08	17.39	10.08
Cubierta	S6.1	Combination	Min	Y	0.001164	119	8.2	26.99	10.08
Cubierta	S8	Combination	Max	X	0.002211	94	6.76	17.39	10.08
Cubierta	S8	Combination	Max	Y	0.000573	1	5.83	-3.93	10.08
Cubierta	S8	Combination	Min	X	0.002211	95	11.08	17.39	10.08
Cubierta	S8.1	Combination	Max	X	0.000922	99	6.76	19.31	10.08
Cubierta	S8.1	Combination	Max	Y	0.001118	121	9.64	26.99	10.08
Cubierta	S8.1	Combination	Min	X	0.000992	95	11.08	17.39	10.08
Cubierta	S8.1	Combination	Min	Y	0.000823	119	8.2	26.99	10.08
Cubierta	S10	Combination	Max	X	0.002745	94	6.76	17.39	10.08
Cubierta	S10	Combination	Max	Y	0.000551	121	9.64	26.99	10.08
Cubierta	S10	Combination	Min	X	0.002618	95	11.08	17.39	10.08
Cubierta	S10	Combination	Min	Y	0.000392	119	8.2	26.99	10.08
Cubierta	S10.1	Combination	Max	X	0.000994	94	6.76	17.39	10.08
Cubierta	S10.1	Combination	Max	Y	0.001362	119	8.2	26.99	10.08
Cubierta	S10.1	Combination	Min	X	0.000993	95	11.08	17.39	10.08
Cubierta	S10.1	Combination	Min	Y	0.001213	119	8.2	26.99	10.08
Cubierta	Envol	Combination	Max	X	0.003972	94	6.76	17.39	10.08
Cubierta	Envol	Combination	Max	Y	0.00204	119	8.2	26.99	10.08
Cubierta	Envol	Combination	Min	X	0.003907	95	11.08	17.39	10.08
Cubierta	Envol	Combination	Min	Y	0.001699	119	8.2	26.99	10.08
Cubierta	EnvolS	Combination	Max	X	0.002813	94	6.76	17.39	10.08
Cubierta	EnvolS	Combination	Max	Y	0.001411	119	8.2	26.99	10.08
Cubierta	EnvolS	Combination	Min	X	0.002724	95	11.08	17.39	10.08
Cubierta	EnvolS	Combination	Min	Y	0.001213	119	8.2	26.99	10.08
Cubierta	S3	Combination		X	0.000352	108	13.28	21.8	10.08
Cubierta	S3	Combination		Y	0.000296	2	12.28	-3.93	10.08
Cubierta	C4.1	Combination		X	0.000471	108	13.28	21.8	10.08
Cubierta	C4.1	Combination		Y	0.000406	2	12.28	-3.93	10.08
Cubierta	C3.1	Combination		X	0.000639	108	13.28	21.8	10.08
Cubierta	C3.1	Combination		Y	0.000438	2	12.28	-3.93	10.08
Piso 3	Pp	LinStatic		X	2.8E-05	1	5.83	-3.93	6.75
Piso 3	Pp	LinStatic		Y	0.000139	1	5.83	-3.93	6.75
Piso 3	L	LinStatic		X	1.6E-05	147	0	33.26	6.75
Piso 3	L	LinStatic		Y	0.000109	1	5.83	-3.93	6.75
Piso 3	D	LinStatic		X	3.8E-05	1	5.83	-3.93	6.75
Piso 3	D	LinStatic		Y	0.000193	1	5.83	-3.93	6.75
Piso 3	Sismo X	LinStatic		X	0.012962	147	0	33.26	6.75
Piso 3	Sismo Y	LinStatic		Y	0.011161	1	5.83	-3.93	6.75
Piso 3	Le	LinStatic		Y	1.6E-05	147	0	33.26	6.75
Piso 3	Der X	LinRespSpec	Max	X	0.011121	2	12.28	-3.93	6.75
Piso 3	Der Y	LinRespSpec	Max	X	0.002271	2	12.28	-3.93	6.75
Piso 3	Der Y	LinRespSpec	Max	Y	0.00931	1	5.83	-3.93	6.75

Table 1.4 - Story Drifts (continued)

Story	Output Case	Case Type	Step Type	Direction	Drift	Label	X m	Y m	Z m
Piso 3	Dis. X	LinRespSpec	Max	X	0.002447	2	12.28	-3.93	6.75
Piso 3	Dis. Y	LinRespSpec	Max	X	0.0005	2	12.28	-3.93	6.75
Piso 3	Dis. Y	LinRespSpec	Max	Y	0.002048	1	5.83	-3.93	6.75
Piso 3	Lr	LinStatic		X	7E-06	1	5.83	-3.93	6.75
Piso 3	Lr	LinStatic		Y	9E-06	147	0	33.26	6.75
Piso 3	Ez	LinStatic		X	3.1E-05	147	0	33.26	6.75
Piso 3	Ez	LinStatic		Y	6.3E-05	2	12.28	-3.93	6.75
Piso 3	C1	Combination		X	9.3E-05	1	5.83	-3.93	6.75
Piso 3	C1	Combination		Y	0.000465	1	5.83	-3.93	6.75
Piso 3	C2	Combination		X	9.6E-05	1	5.83	-3.93	6.75
Piso 3	C2	Combination		Y	0.000576	1	5.83	-3.93	6.75
Piso 3	C2.1	Combination		X	9.5E-05	1	5.83	-3.93	6.75
Piso 3	C2.1	Combination		Y	0.000578	1	5.83	-3.93	6.75
Piso 3	C3	Combination		X	9.8E-05	1	5.83	-3.93	6.75
Piso 3	C3	Combination		Y	0.000515	1	5.83	-3.93	6.75
Piso 3	C4	Combination		X	9.1E-05	1	5.83	-3.93	6.75
Piso 3	C4	Combination		Y	0.00051	1	5.83	-3.93	6.75
Piso 3	C5	Combination	Max	X	0.002505	2	12.28	-3.93	6.75
Piso 3	C5	Combination	Max	Y	0.001239	1	5.83	-3.93	6.75
Piso 3	C5	Combination	Min	X	0.002712	1	5.83	-3.93	6.75
Piso 3	C5.1	Combination	Max	X	0.001142	2	12.28	-3.93	6.75
Piso 3	C5.1	Combination	Max	Y	0.002635	1	5.83	-3.93	6.75
Piso 3	C5.1	Combination	Min	X	0.001348	1	5.83	-3.93	6.75
Piso 3	C5.1	Combination	Min	Y	0.001708	16	0	0	6.75
Piso 3	C6	Combination		X	6E-05	1	5.83	-3.93	6.75
Piso 3	C6	Combination		Y	0.000299	1	5.83	-3.93	6.75
Piso 3	C7	Combination	Max	X	0.002529	2	12.28	-3.93	6.75
Piso 3	C7	Combination	Max	Y	0.00103	1	5.83	-3.93	6.75
Piso 3	C7	Combination	Min	X	0.002684	1	5.83	-3.93	6.75
Piso 3	C7	Combination	Min	Y	0.000464	147	0	33.26	6.75
Piso 3	C7.1	Combination	Max	X	0.001166	2	12.28	-3.93	6.75
Piso 3	C7.1	Combination	Max	Y	0.002426	1	5.83	-3.93	6.75
Piso 3	C7.1	Combination	Min	X	0.001321	1	5.83	-3.93	6.75
Piso 3	C7.1	Combination	Min	Y	0.001814	16	0	0	6.75
Piso 3	S1	Combination		X	6.6E-05	1	5.83	-3.93	6.75
Piso 3	S1	Combination		Y	0.000332	1	5.83	-3.93	6.75
Piso 3	S2	Combination		X	7.4E-05	1	5.83	-3.93	6.75
Piso 3	S2	Combination		Y	0.000442	1	5.83	-3.93	6.75
Piso 3	S4	Combination		X	7.7E-05	1	5.83	-3.93	6.75
Piso 3	S4	Combination		Y	0.000418	1	5.83	-3.93	6.75
Piso 3	S6	Combination	Max	X	0.001774	2	12.28	-3.93	6.75
Piso 3	S6	Combination	Max	Y	0.000801	1	5.83	-3.93	6.75
Piso 3	S6	Combination	Min	X	0.001883	1	5.83	-3.93	6.75
Piso 3	S6	Combination	Min	Y	0.000286	147	0	33.26	6.75
Piso 3	S6.1	Combination	Max	X	0.00082	2	12.28	-3.93	6.75
Piso 3	S6.1	Combination	Max	Y	0.001777	1	5.83	-3.93	6.75
Piso 3	S6.1	Combination	Min	X	0.000929	1	5.83	-3.93	6.75
Piso 3	S6.1	Combination	Min	Y	0.001231	147	0	33.26	6.75
Piso 3	S8	Combination	Max	X	0.001313	2	12.28	-3.93	6.75

Table 1.4 - Story Drifts (continued)

Story	Output Case	Case Type	Step Type	Direction	Drift	Label	X m	Y m	Z m
Piso 3	S8	Combination	Max	Y	0.000769	1	5.83	-3.93	6.75
Piso 3	S8	Combination	Min	X	0.00144	1	5.83	-3.93	6.75
Piso 3	S8.1	Combination	Max	X	0.000598	2	12.28	-3.93	6.75
Piso 3	S8.1	Combination	Max	Y	0.001502	1	5.83	-3.93	6.75
Piso 3	S8.1	Combination	Min	X	0.000724	1	5.83	-3.93	6.75
Piso 3	S8.1	Combination	Min	Y	0.000833	16	0	0	6.75
Piso 3	S10	Combination	Max	X	0.001791	2	12.28	-3.93	6.75
Piso 3	S10	Combination	Max	Y	0.000668	1	5.83	-3.93	6.75
Piso 3	S10	Combination	Min	X	0.001857	1	5.83	-3.93	6.75
Piso 3	S10	Combination	Min	Y	0.000368	147	0	33.26	6.75
Piso 3	S10.1	Combination	Max	X	0.000837	2	12.28	-3.93	6.75
Piso 3	S10.1	Combination	Max	Y	0.001645	1	5.83	-3.93	6.75
Piso 3	S10.1	Combination	Min	X	0.000902	1	5.83	-3.93	6.75
Piso 3	S10.1	Combination	Min	Y	0.001313	147	0	33.26	6.75
Piso 3	Envol	Combination	Max	X	0.002529	2	12.28	-3.93	6.75
Piso 3	Envol	Combination	Max	Y	0.002635	1	5.83	-3.93	6.75
Piso 3	Envol	Combination	Min	X	0.002712	1	5.83	-3.93	6.75
Piso 3	Envol	Combination	Min	Y	0.001814	16	0	0	6.75
Piso 3	EnvolS	Combination	Max	X	0.001791	2	12.28	-3.93	6.75
Piso 3	EnvolS	Combination	Max	Y	0.001777	1	5.83	-3.93	6.75
Piso 3	EnvolS	Combination	Min	X	0.001883	1	5.83	-3.93	6.75
Piso 3	EnvolS	Combination	Min	Y	0.001313	147	0	33.26	6.75
Piso 3	S3	Combination		X	7.3E-05	1	5.83	-3.93	6.75
Piso 3	S3	Combination		Y	0.000337	1	5.83	-3.93	6.75
Piso 3	C4.1	Combination		X	9E-05	1	5.83	-3.93	6.75
Piso 3	C4.1	Combination		Y	0.000513	1	5.83	-3.93	6.75
Piso 3	C3.1	Combination		X	9.5E-05	1	5.83	-3.93	6.75
Piso 3	C3.1	Combination		Y	0.000523	1	5.83	-3.93	6.75
Piso 2	Pp	LinStatic		X	2.3E-05	2	12.28	-3.93	3.29
Piso 2	Pp	LinStatic		Y	0.000109	26	19	0	3.29
Piso 2	L	LinStatic		X	1.3E-05	26	19	0	3.29
Piso 2	L	LinStatic		Y	6.1E-05	15	-1.35	0	3.29
Piso 2	D	LinStatic		X	3.8E-05	2	12.28	-3.93	3.29
Piso 2	D	LinStatic		Y	0.000141	15	-1.35	0	3.29
Piso 2	Sismo X	LinStatic		X	0.01245	145	18.02	31.19	3.29
Piso 2	Sismo Y	LinStatic		Y	0.011898	2	12.28	-3.93	3.29
Piso 2	Le	LinStatic		Y	1.1E-05	1	5.83	-3.93	3.29
Piso 2	Der X	LinRespSpec	Max	X	0.009681	26	19	0	3.29
Piso 2	Der Y	LinRespSpec	Max	X	0.001955	1	5.83	-3.93	3.29
Piso 2	Der Y	LinRespSpec	Max	Y	0.010144	15	-1.35	0	3.29
Piso 2	Dis. X	LinRespSpec	Max	X	0.00213	26	19	0	3.29
Piso 2	Dis. Y	LinRespSpec	Max	X	0.00043	1	5.83	-3.93	3.29
Piso 2	Dis. Y	LinRespSpec	Max	Y	0.002232	15	-1.35	0	3.29
Piso 2	Lr	LinStatic		X	4E-06	2	12.28	-3.93	3.29
Piso 2	Lr	LinStatic		Y	6E-06	1	5.83	-3.93	3.29
Piso 2	Ez	LinStatic		X	2.8E-05	145	18.02	31.19	3.29
Piso 2	Ez	LinStatic		Y	7.6E-05	26	19	0	3.29
Piso 2	C1	Combination		X	8.6E-05	2	12.28	-3.93	3.29
Piso 2	C1	Combination		Y	0.000349	15	-1.35	0	3.29

Table 1.4 - Story Drifts (continued)

Story	Output Case	Case Type	Step Type	Direction	Drift	Label	X m	Y m	Z m
Piso 2	C2	Combination		X	9.2E-05	2	12.28	-3.93	3.29
Piso 2	C2	Combination		Y	0.000399	15	-1.35	0	3.29
Piso 2	C2.1	Combination		X	9.1E-05	2	12.28	-3.93	3.29
Piso 2	C2.1	Combination		Y	0.0004	15	-1.35	0	3.29
Piso 2	C3	Combination		X	9E-05	2	12.28	-3.93	3.29
Piso 2	C3	Combination		Y	0.000367	15	-1.35	0	3.29
Piso 2	C4	Combination		X	8.6E-05	2	12.28	-3.93	3.29
Piso 2	C4	Combination		Y	0.000362	15	-1.35	0	3.29
Piso 2	C5	Combination	Max	X	0.002129	26	19	0	3.29
Piso 2	C5	Combination	Max	Y	0.001206	15	-1.35	0	3.29
Piso 2	C5	Combination	Min	X	0.002342	26	19	0	3.29
Piso 2	C5	Combination	Min	Y	0.000397	2	12.28	-3.93	3.29
Piso 2	C5.1	Combination	Max	X	0.000962	1	5.83	-3.93	3.29
Piso 2	C5.1	Combination	Max	Y	0.002697	15	-1.35	0	3.29
Piso 2	C5.1	Combination	Min	X	0.001165	2	12.28	-3.93	3.29
Piso 2	C5.1	Combination	Min	Y	0.001851	1	5.83	-3.93	3.29
Piso 2	C6	Combination		X	5.5E-05	2	12.28	-3.93	3.29
Piso 2	C6	Combination		Y	0.000224	15	-1.35	0	3.29
Piso 2	C7	Combination	Max	X	0.002159	26	19	0	3.29
Piso 2	C7	Combination	Max	Y	0.00107	15	-1.35	0	3.29
Piso 2	C7	Combination	Min	X	0.002311	26	19	0	3.29
Piso 2	C7	Combination	Min	Y	0.000477	2	12.28	-3.93	3.29
Piso 2	C7.1	Combination	Max	X	0.000988	1	5.83	-3.93	3.29
Piso 2	C7.1	Combination	Max	Y	0.002561	15	-1.35	0	3.29
Piso 2	C7.1	Combination	Min	X	0.001137	2	12.28	-3.93	3.29
Piso 2	C7.1	Combination	Min	Y	0.001964	15	-1.35	0	3.29
Piso 2	S1	Combination		X	6.2E-05	2	12.28	-3.93	3.29
Piso 2	S1	Combination		Y	0.000249	15	-1.35	0	3.29
Piso 2	S2	Combination		X	7.1E-05	2	12.28	-3.93	3.29
Piso 2	S2	Combination		Y	0.00031	15	-1.35	0	3.29
Piso 2	S4	Combination		X	7.2E-05	2	12.28	-3.93	3.29
Piso 2	S4	Combination		Y	0.000298	15	-1.35	0	3.29
Piso 2	S6	Combination	Max	X	0.001507	26	19	0	3.29
Piso 2	S6	Combination	Max	Y	0.00079	15	-1.35	0	3.29
Piso 2	S6	Combination	Min	X	0.001623	26	19	0	3.29
Piso 2	S6	Combination	Min	Y	0.000318	2	12.28	-3.93	3.29
Piso 2	S6.1	Combination	Max	X	0.000691	1	5.83	-3.93	3.29
Piso 2	S6.1	Combination	Max	Y	0.001833	15	-1.35	0	3.29
Piso 2	S6.1	Combination	Min	X	0.000801	2	12.28	-3.93	3.29
Piso 2	S6.1	Combination	Min	Y	0.001334	15	-1.35	0	3.29
Piso 2	S8	Combination	Max	X	0.001109	1	5.83	-3.93	3.29
Piso 2	S8	Combination	Max	Y	0.000703	15	-1.35	0	3.29
Piso 2	S8	Combination	Min	X	0.001241	26	19	0	3.29
Piso 2	S8.1	Combination	Max	X	0.000499	1	5.83	-3.93	3.29
Piso 2	S8.1	Combination	Max	Y	0.001486	15	-1.35	0	3.29
Piso 2	S8.1	Combination	Min	X	0.000626	2	12.28	-3.93	3.29
Piso 2	S8.1	Combination	Min	Y	0.000933	1	5.83	-3.93	3.29
Piso 2	S10	Combination	Max	X	0.00153	26	19	0	3.29
Piso 2	S10	Combination	Max	Y	0.00069	15	-1.35	0	3.29

Table 1.4 - Story Drifts (continued)

Story	Output Case	Case Type	Step Type	Direction	Drift	Label	X m	Y m	Z m
Piso 2	S10	Combination	Min	X	0.001599	26	19	0	3.29
Piso 2	S10	Combination	Min	Y	0.000391	15	-1.35	0	3.29
Piso 2	S10.1	Combination	Max	X	0.000711	1	5.83	-3.93	3.29
Piso 2	S10.1	Combination	Max	Y	0.001733	15	-1.35	0	3.29
Piso 2	S10.1	Combination	Min	X	0.000776	2	12.28	-3.93	3.29
Piso 2	S10.1	Combination	Min	Y	0.001434	15	-1.35	0	3.29
Piso 2	Envol	Combination	Max	X	0.002159	26	19	0	3.29
Piso 2	Envol	Combination	Max	Y	0.002697	15	-1.35	0	3.29
Piso 2	Envol	Combination	Min	X	0.002342	26	19	0	3.29
Piso 2	Envol	Combination	Min	Y	0.001964	15	-1.35	0	3.29
Piso 2	EnvolS	Combination	Max	X	0.00153	26	19	0	3.29
Piso 2	EnvolS	Combination	Max	Y	0.001833	15	-1.35	0	3.29
Piso 2	EnvolS	Combination	Min	X	0.001623	26	19	0	3.29
Piso 2	EnvolS	Combination	Min	Y	0.001434	15	-1.35	0	3.29
Piso 2	S3	Combination		X	6.5E-05	2	12.28	-3.93	3.29
Piso 2	S3	Combination		Y	0.000253	15	-1.35	0	3.29
Piso 2	C4.1	Combination		X	8.5E-05	2	12.28	-3.93	3.29
Piso 2	C4.1	Combination		Y	0.000364	15	-1.35	0	3.29
Piso 2	C3.1	Combination		X	8.8E-05	2	12.28	-3.93	3.29
Piso 2	C3.1	Combination		Y	0.000372	15	-1.35	0	3.29
Piso 1	Pp	LinStatic		X	1.1E-05	2	12.28	-3.93	-0.05
Piso 1	Pp	LinStatic		Y	5.6E-05	16	0	0	-0.05
Piso 1	L	LinStatic		X	8E-06	25	18.02	0	-0.05
Piso 1	L	LinStatic		Y	3E-05	16	0	0	-0.05
Piso 1	D	LinStatic		X	2.3E-05	25	18.02	0	-0.05
Piso 1	D	LinStatic		Y	7.4E-05	16	0	0	-0.05
Piso 1	Sismo X	LinStatic		X	0.006133	145	18.02	31.19	-0.05
Piso 1	Sismo Y	LinStatic		Y	0.006401	25	18.02	0	-0.05
Piso 1	Le	LinStatic		Y	5E-06	1	5.83	-3.93	-0.05
Piso 1	Der X	LinRespSpec	Max	X	0.004566	25	18.02	0	-0.05
Piso 1	Der Y	LinRespSpec	Max	X	0.000952	145	18.02	31.19	-0.05
Piso 1	Der Y	LinRespSpec	Max	Y	0.005381	16	0	0	-0.05
Piso 1	Dis. X	LinRespSpec	Max	X	0.001005	25	18.02	0	-0.05
Piso 1	Dis. Y	LinRespSpec	Max	X	0.00021	145	18.02	31.19	-0.05
Piso 1	Dis. Y	LinRespSpec	Max	Y	0.001184	16	0	0	-0.05
Piso 1	Lr	LinStatic		X	3E-06	2	12.28	-3.93	-0.05
Piso 1	Lr	LinStatic		Y	3E-06	1	5.83	-3.93	-0.05
Piso 1	Ez	LinStatic		X	1.1E-05	145	18.02	31.19	-0.05
Piso 1	Ez	LinStatic		Y	3.8E-05	25	18.02	0	-0.05
Piso 1	C1	Combination		X	4.7E-05	25	18.02	0	-0.05
Piso 1	C1	Combination		Y	0.000181	16	0	0	-0.05
Piso 1	C2	Combination		X	5.3E-05	25	18.02	0	-0.05
Piso 1	C2	Combination		Y	0.000205	16	0	0	-0.05
Piso 1	C2.1	Combination		X	5.2E-05	25	18.02	0	-0.05
Piso 1	C2.1	Combination		Y	0.000205	16	0	0	-0.05
Piso 1	C3	Combination		X	4.7E-05	25	18.02	0	-0.05
Piso 1	C3	Combination		Y	0.000188	16	0	0	-0.05
Piso 1	C4	Combination		X	4.8E-05	25	18.02	0	-0.05
Piso 1	C4	Combination		Y	0.000186	16	0	0	-0.05

Table 1.4 - Story Drifts (continued)

Story	Output Case	Case Type	Step Type	Direction	Drift	Label	X m	Y m	Z m
Piso 1	C5	Combination	Max	X	0.001	25	18.02	0	-0.05
Piso 1	C5	Combination	Max	Y	0.000628	16	0	0	-0.05
Piso 1	C5	Combination	Min	X	0.001115	25	18.02	0	-0.05
Piso 1	C5	Combination	Min	Y	0.000236	1	5.83	-3.93	-0.05
Piso 1	C5.1	Combination	Max	X	0.000471	145	18.02	31.19	-0.05
Piso 1	C5.1	Combination	Max	Y	0.001422	16	0	0	-0.05
Piso 1	C5.1	Combination	Min	X	0.000535	25	18.02	0	-0.05
Piso 1	C5.1	Combination	Min	Y	0.000976	16	0	0	-0.05
Piso 1	C6	Combination		X	3E-05	25	18.02	0	-0.05
Piso 1	C6	Combination		Y	0.000116	16	0	0	-0.05
Piso 1	C7	Combination	Max	X	0.001018	25	18.02	0	-0.05
Piso 1	C7	Combination	Max	Y	0.000559	16	0	0	-0.05
Piso 1	C7	Combination	Min	X	0.001097	25	18.02	0	-0.05
Piso 1	C7	Combination	Min	Y	0.000252	16	0	0	-0.05
Piso 1	C7.1	Combination	Max	X	0.000477	145	18.02	31.19	-0.05
Piso 1	C7.1	Combination	Max	Y	0.001352	16	0	0	-0.05
Piso 1	C7.1	Combination	Min	X	0.000518	145	18.02	31.19	-0.05
Piso 1	C7.1	Combination	Min	Y	0.001045	16	0	0	-0.05
Piso 1	S1	Combination		X	3.3E-05	25	18.02	0	-0.05
Piso 1	S1	Combination		Y	0.000129	16	0	0	-0.05
Piso 1	S2	Combination		X	4.1E-05	25	18.02	0	-0.05
Piso 1	S2	Combination		Y	0.00016	16	0	0	-0.05
Piso 1	S4	Combination		X	3.9E-05	25	18.02	0	-0.05
Piso 1	S4	Combination		Y	0.000153	16	0	0	-0.05
Piso 1	S6	Combination	Max	X	0.000707	25	18.02	0	-0.05
Piso 1	S6	Combination	Max	Y	0.000413	16	0	0	-0.05
Piso 1	S6	Combination	Min	X	0.000774	25	18.02	0	-0.05
Piso 1	S6	Combination	Min	Y	0.000177	1	5.83	-3.93	-0.05
Piso 1	S6.1	Combination	Max	X	0.000337	145	18.02	31.19	-0.05
Piso 1	S6.1	Combination	Max	Y	0.000968	16	0	0	-0.05
Piso 1	S6.1	Combination	Min	X	0.000368	25	18.02	0	-0.05
Piso 1	S6.1	Combination	Min	Y	0.00071	16	0	0	-0.05
Piso 1	S8	Combination	Max	X	0.000524	145	18.02	31.19	-0.05
Piso 1	S8	Combination	Max	Y	0.000366	16	0	0	-0.05
Piso 1	S8	Combination	Min	X	0.000594	25	18.02	0	-0.05
Piso 1	S8	Combination	Min	Y	0.00012	1	5.83	-3.93	-0.05
Piso 1	S8.1	Combination	Max	X	0.000248	145	18.02	31.19	-0.05
Piso 1	S8.1	Combination	Max	Y	0.000783	16	0	0	-0.05
Piso 1	S8.1	Combination	Min	X	0.00029	25	18.02	0	-0.05
Piso 1	S8.1	Combination	Min	Y	0.000476	104	0	21.8	-0.05
Piso 1	S10	Combination	Max	X	0.00072	25	18.02	0	-0.05
Piso 1	S10	Combination	Max	Y	0.000361	16	0	0	-0.05
Piso 1	S10	Combination	Min	X	0.00076	25	18.02	0	-0.05
Piso 1	S10	Combination	Min	Y	0.000206	16	0	0	-0.05
Piso 1	S10.1	Combination	Max	X	0.000342	145	18.02	31.19	-0.05
Piso 1	S10.1	Combination	Max	Y	0.000917	16	0	0	-0.05
Piso 1	S10.1	Combination	Min	X	0.000355	145	18.02	31.19	-0.05
Piso 1	S10.1	Combination	Min	Y	0.000762	16	0	0	-0.05
Piso 1	Envol	Combination	Max	X	0.001018	25	18.02	0	-0.05

Table 1.4 - Story Drifts (continued)

Story	Output Case	Case Type	Step Type	Direction	Drift	Label	X m	Y m	Z m
Piso 1	Envol	Combination	Max	Y	0.001422	16	0	0	-0.05
Piso 1	Envol	Combination	Min	X	0.001115	25	18.02	0	-0.05
Piso 1	Envol	Combination	Min	Y	0.001045	16	0	0	-0.05
Piso 1	EnvolS	Combination	Max	X	0.00072	25	18.02	0	-0.05
Piso 1	EnvolS	Combination	Max	Y	0.000968	16	0	0	-0.05
Piso 1	EnvolS	Combination	Min	X	0.000774	25	18.02	0	-0.05
Piso 1	EnvolS	Combination	Min	Y	0.000762	16	0	0	-0.05
Piso 1	S3	Combination		X	3.3E-05	25	18.02	0	-0.05
Piso 1	S3	Combination		Y	0.000131	16	0	0	-0.05
Piso 1	C4.1	Combination		X	4.7E-05	25	18.02	0	-0.05
Piso 1	C4.1	Combination		Y	0.000187	16	0	0	-0.05
Piso 1	C3.1	Combination		X	4.6E-05	25	18.02	0	-0.05
Piso 1	C3.1	Combination		Y	0.000191	16	0	0	-0.05

1.3 Point Results

Table 1.5 - Joint Reactions

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX kN	FY kN	FZ kN	MX kN-m	MY kN-m	MZ kN-m
Sotano	1	264	Pp	LinStatic		-0.0211	-0.0969	126.9025	2.8203	0.6272	0.0201
Sotano	1	264	L	LinStatic		0.1834	0.7113	25.0832	-0.9871	0.9457	-0.005
Sotano	1	264	D	LinStatic		0.2895	0.3612	47.6957	1.889	2.1252	0.0351
Sotano	1	264	Sismo X	LinStatic		-85.8963	-0.0132	-34.5189	5.8512	-622.6643	7.0364
Sotano	1	264	Sismo Y	LinStatic		-4.364	-100.7282	-146.2428	592.9073	-26.2012	-1.6891
Sotano	1	264	Le	LinStatic		-0.0916	-0.1067	7.5311	0.5988	-0.2536	0.0095
Sotano	1	264	Der X	LinRespSpec	Max	84.9131	11.8084	32.349	27.3397	613.6575	5.5082
Sotano	1	264	Der Y	LinRespSpec	Max	17.827	84.2393	119.6964	495.1778	127.2149	10.9708
Sotano	1	264	Dis. X	LinRespSpec	Max	18.6824	2.5981	7.1173	6.0152	135.0156	1.2119
Sotano	1	264	Dis. Y	LinRespSpec	Max	3.9223	18.5341	26.3353	108.9479	27.9895	2.4138
Sotano	1	264	Lr	LinStatic		-0.1463	-0.0649	10.8349	0.3453	-0.4297	0.0059
Sotano	1	264	Ez	LinStatic		0.2302	-0.6332	-0.3474	3.6578	1.6512	-0.0062
Sotano	1	264	C1	Combination		0.3757	0.37	244.4374	6.593	3.8533	0.0772
Sotano	1	264	C2	Combination		0.5423	1.4228	255.0683	4.2445	4.6011	0.0612
Sotano	1	264	C2.1	Combination		0.5696	1.4019	253.4164	4.3712	4.6891	0.063
Sotano	1	264	C3	Combination		0.2713	0.9247	251.9367	5.2165	3.561	0.0707
Sotano	1	264	C4	Combination		0.4323	0.996	240.0184	4.8367	4.0337	0.0642
Sotano	1	264	C5	Combination	Max	20.5946	8.5536	249.2715	47.0215	149.3121	1.9911
Sotano	1	264	C5	Combination	Min	-19.1235	-7.763	219.2356	-30.3777	-137.5127	-1.8809
Sotano	1	264	C5.1	Combination	Max	10.2625	19.7088	262.7241	119.0744	74.3939	2.8324
Sotano	1	264	C5.1	Combination	Min	-8.7914	-18.9183	205.783	-102.4305	-62.5945	-2.7222
Sotano	1	264	C6	Combination		0.2415	0.2379	157.1383	4.2384	2.4771	0.0497
Sotano	1	264	C7	Combination	Max	20.3308	7.763	171.8089	46.5958	147.5407	1.9795
Sotano	1	264	C7	Combination	Min	-19.3874	-8.5536	141.773	-30.8034	-139.2841	-1.8925
Sotano	1	264	C7.1	Combination	Max	9.9987	18.9183	185.2615	118.6486	72.6225	2.8208
Sotano	1	264	C7.1	Combination	Min	-9.0553	-19.7089	128.3204	-102.8562	-64.3659	-2.7338
Sotano	1	264	S1	Combination		0.2684	0.2643	174.5982	4.7093	2.7524	0.0552
Sotano	1	264	S2	Combination		0.4517	0.9756	199.6813	3.7222	3.698	0.0502
Sotano	1	264	S4	Combination		0.2962	0.7491	201.5367	4.228	3.1393	0.0559

Table 1.5 - Joint Reactions (continued)

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX kN	FY kN	FZ kN	MX kN-m	MY kN-m	MZ kN-m
Sotano	1	264	S6	Combination	Max	14.1697	5.9751	185.1107	31.799	103.1411	1.4104
Sotano	1	264	S6	Combination	Min	-13.633	-5.4465	164.0856	-22.3804	-97.6363	-1.3
Sotano	1	264	S6.1	Combination	Max	6.9372	13.7838	194.5275	82.236	50.6983	1.9993
Sotano	1	264	S6.1	Combination	Min	-6.4005	-13.2552	154.6688	-72.8174	-45.1936	-1.889
Sotano	1	264	S8	Combination	Max	10.7222	5.0322	209.4211	24.5452	78.4309	1.0723
Sotano	1	264	S8	Combination	Min	-10.1299	-3.534	193.6523	-16.0893	-72.1522	-0.9605
Sotano	1	264	S8.1	Combination	Max	5.2978	10.8887	216.4837	62.373	39.0988	1.514
Sotano	1	264	S8.1	Combination	Min	-4.7055	-9.3905	186.5897	-53.9171	-32.8201	-1.4022
Sotano	1	264	S10	Combination	Max	14.0624	5.8694	115.2715	29.9153	102.0401	1.3883
Sotano	1	264	S10	Combination	Min	-13.7403	-5.5522	94.2463	-24.2641	-98.7373	-1.3221
Sotano	1	264	S10.1	Combination	Max	6.8299	13.6781	124.6883	80.3523	49.5974	1.9772
Sotano	1	264	S10.1	Combination	Min	-6.5079	-13.3609	84.8295	-74.7011	-46.2945	-1.911
Sotano	1	264	Envol	Combination	Max	20.5946	19.7088	262.7241	119.0744	149.3121	2.8324
Sotano	1	264	Envol	Combination	Min	-19.3874	-19.7089	128.3204	-102.8562	-139.2841	-2.7338
Sotano	1	264	EnvolS	Combination	Max	14.1697	13.7838	216.4837	82.236	103.1411	1.9993
Sotano	1	264	EnvolS	Combination	Min	-13.7403	-13.3609	84.8295	-74.7011	-98.7373	-1.911
Sotano	1	264	S3	Combination		0.122	0.1994	185.433	5.0546	2.3227	0.0611
Sotano	1	264	C4.1	Combination		0.4596	0.9751	238.3665	4.9634	4.1217	0.066
Sotano	1	264	C3.1	Combination		0.3588	0.8577	246.6508	5.6221	3.8427	0.0764
Sotano	2	269	Pp	LinStatic		0.376	-0.0912	124.8427	2.7698	1.911	0.0201
Sotano	2	269	L	LinStatic		0.0924	0.6205	23.7069	-0.6852	0.6515	-0.005
Sotano	2	269	D	LinStatic		0.5709	0.2843	45.1067	2.0818	3.0348	0.0351
Sotano	2	269	Sismo X	LinStatic		-85.7582	-0.5558	37.837	-3.6514	-622.2181	7.0364
Sotano	2	269	Sismo Y	LinStatic		-4.6767	-105.0408	-151.5839	609.5731	-27.2121	-1.6891
Sotano	2	269	Le	LinStatic		0.0798	-0.023	6.9247	0.3124	0.3005	0.0095
Sotano	2	269	Der X	LinRespSpec	Max	84.787	6.872	33.0141	25.5757	613.2419	5.5082
Sotano	2	269	Der Y	LinRespSpec	Max	17.6576	82.7073	125.5415	480.6347	126.6754	10.9708
Sotano	2	269	Dis. X	LinRespSpec	Max	18.6547	1.512	7.2637	5.6271	134.9241	1.2119
Sotano	2	269	Dis. Y	LinRespSpec	Max	3.885	18.1971	27.6214	105.7481	27.8708	2.4138
Sotano	2	269	Lr	LinStatic		0.1448	-0.031	10.4661	0.226	0.5111	0.0059
Sotano	2	269	Ez	LinStatic		0.2306	-0.6341	-0.4216	3.6706	1.6525	-0.0062
Sotano	2	269	C1	Combination		1.3257	0.2703	237.9291	6.7922	6.9241	0.0772
Sotano	2	269	C2	Combination		1.3565	1.209	247.1034	4.8386	7.2329	0.0612
Sotano	2	269	C2.1	Combination		1.324	1.213	245.3326	4.8818	7.1276	0.063
Sotano	2	269	C3	Combination		1.4603	0.8027	244.392	5.4984	7.4042	0.0707
Sotano	2	269	C4	Combination		1.3011	0.8367	232.8792	5.2497	6.842	0.0642
Sotano	2	269	C5	Combination	Max	21.2794	7.1892	242.7747	46.1589	151.5243	1.9911
Sotano	2	269	C5	Combination	Min	-18.3609	-6.753	211.6745	-28.5442	-135.0465	-1.8809
Sotano	2	269	C5.1	Combination	Max	10.9407	18.8688	257.025	116.2436	76.587	2.8324
Sotano	2	269	C5.1	Combination	Min	-8.0221	-18.4325	197.4241	-98.6289	-60.1091	-2.7222
Sotano	2	269	C6	Combination		0.8523	0.1738	152.9544	4.3664	4.4512	0.0497
Sotano	2	269	C7	Combination	Max	20.903	6.5108	168.083	45.3886	149.3891	1.9795
Sotano	2	269	C7	Combination	Min	-18.7373	-7.4314	136.9828	-29.3145	-137.1817	-1.8925
Sotano	2	269	C7.1	Combination	Max	10.5642	18.1904	182.3333	115.4733	74.4517	2.8208
Sotano	2	269	C7.1	Combination	Min	-8.3986	-19.1109	122.7324	-99.3992	-62.2444	-2.7338
Sotano	2	269	S1	Combination		0.947	0.1931	169.9494	4.8516	4.9458	0.0552
Sotano	2	269	S2	Combination		1.0393	0.8136	193.6563	4.1664	5.5973	0.0502
Sotano	2	269	S4	Combination		1.1248	0.6352	195.5792	4.5072	5.8177	0.0559

Table 1.5 - Joint Reactions (continued)

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX kN	FY kN	FZ kN	MX kN-m	MY kN-m	MZ kN-m
Sotano	2	269	S6	Combination	Max	14.8211	5.0729	180.8344	30.9976	105.2456	1.4104
Sotano	2	269	S6	Combination	Min	-12.9272	-4.6867	159.0643	-21.2945	-95.354	-1.3
Sotano	2	269	S6.1	Combination	Max	7.5839	13.2486	190.8097	80.0569	52.7894	1.9993
Sotano	2	269	S6.1	Combination	Min	-5.69	-12.8624	149.0891	-70.3538	-42.8978	-1.889
Sotano	2	269	S8	Combination	Max	11.5304	4.2951	203.7429	24.1168	81.0426	1.0723
Sotano	2	269	S8	Combination	Min	-9.2808	-3.0246	187.4154	-15.1024	-69.4071	-0.9605
Sotano	2	269	S8.1	Combination	Max	6.1025	10.4268	211.2244	60.9113	41.7005	1.514
Sotano	2	269	S8.1	Combination	Min	-3.8529	-9.1563	179.9339	-51.8968	-30.065	-1.4022
Sotano	2	269	S10	Combination	Max	14.4423	4.9956	112.8547	29.057	103.2672	1.3883
Sotano	2	269	S10	Combination	Min	-13.3059	-4.7639	91.0846	-23.2352	-97.3323	-1.3221
Sotano	2	269	S10.1	Combination	Max	7.2051	13.1713	122.8299	78.1163	50.8111	1.9772
Sotano	2	269	S10.1	Combination	Min	-6.0688	-12.9396	81.1093	-72.2945	-44.8762	-1.911
Sotano	2	269	Envol	Combination	Max	21.2794	18.8688	257.025	116.2436	151.5243	2.8324
Sotano	2	269	Envol	Combination	Min	-18.7373	-19.1109	122.7324	-99.3992	-137.1817	-2.7338
Sotano	2	269	EnvolS	Combination	Max	14.8211	13.2486	211.2244	80.0569	105.2456	1.9993
Sotano	2	269	EnvolS	Combination	Min	-13.3059	-12.9396	81.1093	-72.2945	-97.3323	-1.911
Sotano	2	269	S3	Combination		1.0917	0.1621	180.4155	5.0776	5.4569	0.0611
Sotano	2	269	C4.1	Combination		1.2686	0.8407	231.1085	5.2929	6.7367	0.066
Sotano	2	269	C3.1	Combination		1.3564	0.8155	238.7257	5.6366	7.0672	0.0764
Sotano	16	51	Pp	LinStatic		0.5928	-1.2756	141.8769	6.4582	1.8839	0.0004
Sotano	16	51	L	LinStatic		1.6019	-2.6275	48.7044	5.3542	2.5852	0.0211
Sotano	16	51	D	LinStatic		4.8717	-4.6914	92.4454	11.3932	7.7025	0.0822
Sotano	16	51	Sismo X	LinStatic		-253.2171	-18.597	-535.7514	53.675	-889.9677	4.8981
Sotano	16	51	Sismo Y	LinStatic		-10.9349	-266.3767	-350.3201	839.5523	-31.7373	-1.1907
Sotano	16	51	Le	LinStatic		-0.009	-0.1247	12.6661	0.4546	-0.1907	-0.009
Sotano	16	51	Der X	LinRespSpec	Max	241.2814	12.7465	485.9565	32.8749	844.6475	3.595
Sotano	16	51	Der Y	LinRespSpec	Max	46.3906	228.1177	254.6578	723.5046	151.9772	6.4874
Sotano	16	51	Dis. X	LinRespSpec	Max	53.0862	2.8045	106.9191	7.2331	185.8375	0.791
Sotano	16	51	Dis. Y	LinRespSpec	Max	10.2068	50.1899	56.0292	159.1838	33.4377	1.4273
Sotano	16	51	Lr	LinStatic		0.0026	-0.0566	6.4472	0.2262	-0.0737	-0.0042
Sotano	16	51	Ez	LinStatic		-2.2421	-1.3357	27.545	4.7965	-0.7323	-0.004
Sotano	16	51	C1	Combination		7.6502	-8.3538	328.0512	24.9919	13.421	0.1157
Sotano	16	51	C2	Combination		9.1216	-11.3927	362.3373	30.1014	15.6032	0.1308
Sotano	16	51	C2.1	Combination		9.1158	-11.4267	365.4467	30.2156	15.5447	0.1284
Sotano	16	51	C3	Combination		8.1633	-9.8784	340.2066	27.1377	13.971	0.1135
Sotano	16	51	C4	Combination		8.1605	-9.8162	333.1147	26.8889	14.0521	0.1181
Sotano	16	51	C5	Combination	Max	62.0653	6.7378	481.1639	86.5605	209.2253	1.3354
Sotano	16	51	C5	Combination	Min	-50.2311	-28.985	233.7082	-23.4159	-182.5122	-1.1029
Sotano	16	51	C5.1	Combination	Max	32.0497	39.9077	445.541	192.926	102.5455	1.7809
Sotano	16	51	C5.1	Combination	Min	-20.2155	-62.1548	269.3311	-129.7814	-75.8323	-1.5483
Sotano	16	51	C6	Combination		4.918	-5.3703	210.89	16.0662	8.6278	0.0744
Sotano	16	51	C7	Combination	Max	58.8241	11.1554	362.1629	75.8509	203.7642	1.2896
Sotano	16	51	C7	Combination	Min	-53.4724	-24.5674	114.7072	-34.1255	-187.9733	-1.1488
Sotano	16	51	C7.1	Combination	Max	28.8085	44.3253	326.54	182.2164	97.0844	1.735
Sotano	16	51	C7.1	Combination	Min	-23.4568	-57.7373	150.3301	-140.491	-81.2935	-1.5942
Sotano	16	51	S1	Combination		5.4644	-5.967	234.3223	17.8513	9.5864	0.0826
Sotano	16	51	S2	Combination		7.0663	-8.5945	283.0266	23.2055	12.1716	0.1037
Sotano	16	51	S4	Combination		6.6678	-7.98	275.6859	22.0366	11.4701	0.0953

Table 1.5 - Joint Reactions (continued)

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX kN	FY kN	FZ kN	MX kN-m	MY kN-m	MZ kN-m
Sotano	16	51	S6	Combination	Max	44.7682	6.536	320.9318	56.3431	146.6946	0.9361
Sotano	16	51	S6	Combination	Min	-33.8393	-18.47	147.7128	-20.6404	-127.5217	-0.7708
Sotano	16	51	S6.1	Combination	Max	23.7573	29.7549	295.9957	130.7989	72.0187	1.2479
Sotano	16	51	S6.1	Combination	Min	-12.8284	-41.6889	172.6488	-95.0963	-52.8458	-1.0826
Sotano	16	51	S8	Combination	Max	36.1456	1.3972	340.6431	50.9054	114.3012	0.7354
Sotano	16	51	S8	Combination	Min	-22.81	-17.3573	210.7288	-6.8322	-91.361	-0.5448
Sotano	16	51	S8.1	Combination	Max	20.3874	18.8114	321.941	106.7473	58.2943	0.9692
Sotano	16	51	S8.1	Combination	Min	-7.0518	-34.7715	229.4309	-62.6741	-35.3541	-0.7786
Sotano	16	51	S10	Combination	Max	42.5824	8.9228	227.2028	49.2025	142.86	0.903
Sotano	16	51	S10	Combination	Min	-36.0251	-16.0832	53.9839	-27.781	-131.3563	-0.8038
Sotano	16	51	S10.1	Combination	Max	21.5715	32.1417	202.2668	123.6584	68.1841	1.2148
Sotano	16	51	S10.1	Combination	Min	-15.0142	-39.3021	78.9199	-102.2368	-56.6804	-1.1156
Sotano	16	51	Envol	Combination	Max	62.0653	44.3253	481.1639	192.926	209.2253	1.7809
Sotano	16	51	Envol	Combination	Min	-53.4724	-62.1548	114.7072	-140.491	-187.9733	-1.5942
Sotano	16	51	EnvolS	Combination	Max	44.7682	32.1417	340.6431	130.7989	146.6946	1.2479
Sotano	16	51	EnvolS	Combination	Min	-36.0251	-41.6889	53.9839	-102.2368	-131.3563	-1.1156
Sotano	16	51	S3	Combination		5.467	-6.0236	240.7695	18.0775	9.5128	0.0784
Sotano	16	51	C4.1	Combination		8.1547	-9.8502	336.2241	27.0031	13.9936	0.1158
Sotano	16	51	C3.1	Combination		8.1448	-9.9874	350.1568	27.5031	13.7838	0.1059
Sotano	18	53	Pp	LinStatic		7.6465	-1.3065	292.5631	6.4857	8.4069	0.0004
Sotano	18	53	L	LinStatic		9.6779	-3.3075	162.3065	5.916	10.0536	0.0211
Sotano	18	53	D	LinStatic		14.2448	-5.9399	348.5188	12.2614	16.3704	0.0822
Sotano	18	53	Sismo X	LinStatic		-296.4899	-8.8878	281.9837	26.1283	-929.9845	4.8981
Sotano	18	53	Sismo Y	LinStatic		-10.6793	-271.1661	-240.4288	848.5387	-31.5009	-1.1907
Sotano	18	53	Le	LinStatic		-0.2355	-0.2602	29.8952	0.6159	-0.4001	-0.009
Sotano	18	53	Der X	LinRespSpec	Max	282.4325	6.3178	275.5582	14.8482	882.8823	3.595
Sotano	18	53	Der Y	LinRespSpec	Max	54.0666	224.0945	239.7226	704.8455	159.1146	6.4874
Sotano	18	53	Dis. X	LinRespSpec	Max	62.1402	1.39	60.6277	3.2669	194.2498	0.791
Sotano	18	53	Dis. Y	LinRespSpec	Max	11.8956	49.3048	52.7432	155.0785	35.008	1.4273
Sotano	18	53	Lr	LinStatic		-0.1251	-0.1181	16.8816	0.3	-0.1918	-0.0042
Sotano	18	53	Ez	LinStatic		0.5189	-0.7582	11.8207	4.267	1.821	-0.004
Sotano	18	53	C1	Combination		30.6478	-10.145	897.5147	26.2458	34.6882	0.1157
Sotano	18	53	C2	Combination		41.6917	-14.0467	1037.4294	32.112	45.7226	0.1308
Sotano	18	53	C2.1	Combination		41.6365	-14.1177	1043.9362	32.27	45.6184	0.1284
Sotano	18	53	C3	Combination		35.7473	-12.1921	958.6154	28.8924	39.4795	0.1135
Sotano	18	53	C4	Combination		35.8849	-12.0622	940.0456	28.5624	39.6904	0.1181
Sotano	18	53	C5	Combination	Max	102.1753	3.4201	1019.8761	82.4698	246.3595	1.3354
Sotano	18	53	C5	Combination	Min	-29.2424	-28.9428	866.9748	-17.1109	-163.1449	-1.1029
Sotano	18	53	C5.1	Combination	Max	67.0041	36.9604	1014.357	188.738	134.8903	1.7809
Sotano	18	53	C5.1	Combination	Min	5.9288	-62.4831	872.494	-123.3791	-51.6757	-1.5483
Sotano	18	53	C6	Combination		19.7022	-6.5218	576.9737	16.8723	22.2996	0.0744
Sotano	18	53	C7	Combination	Max	85.93	8.9015	665.2451	70.9297	228.8728	1.2896
Sotano	18	53	C7	Combination	Min	-45.4877	-23.4614	512.3438	-28.6511	-180.6317	-1.1488
Sotano	18	53	C7.1	Combination	Max	50.7588	42.4418	659.726	177.1979	117.4035	1.735
Sotano	18	53	C7.1	Combination	Min	-10.3165	-57.0017	517.8629	-134.9192	-69.1624	-1.5942

Table 1.5 - Joint Reactions (continued)

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX kN	FY kN	FZ kN	MX kN-m	MY kN-m	MZ kN-m
Sotano	18	53	S1	Combination		21.8913	-7.2464	641.0819	18.747	24.7773	0.0826
Sotano	18	53	S2	Combination		31.5692	-10.5539	803.3884	24.663	34.8309	0.1037
Sotano	18	53	S4	Combination		29.0559	-9.8156	775.473	23.409	32.1736	0.0953
Sotano	18	53	S6	Combination	Max	67.8875	4.0806	694.5974	53.6003	168.1039	0.9361
Sotano	18	53	S6	Combination	Min	-24.1049	-18.5734	587.5664	-16.1063	-118.5492	-0.7708
Sotano	18	53	S6.1	Combination	Max	43.2677	27.5588	690.734	127.988	90.0754	1.2479
Sotano	18	53	S6.1	Combination	Min	0.515	-42.0517	591.4298	-90.4939	-40.5208	-1.0826
Sotano	18	53	S8	Combination	Max	63.553	-1.3203	815.6096	49.549	139.6685	0.7354
Sotano	18	53	S8	Combination	Min	-5.4412	-18.3108	735.3364	-2.7309	-75.3213	-0.5448
Sotano	18	53	S8.1	Combination	Max	45.0882	16.2883	812.712	105.3397	81.1472	0.9692
Sotano	18	53	S8.1	Combination	Min	13.0236	-35.9195	738.2339	-58.5217	-16.7999	-0.7786
Sotano	18	53	S10	Combination	Max	59.131	6.9792	438.1646	46.1015	158.1929	0.903
Sotano	18	53	S10	Combination	Min	-32.8614	-15.6749	331.1337	-23.6051	-128.4602	-0.8038
Sotano	18	53	S10.1	Combination	Max	34.5111	30.4574	434.3012	120.4892	80.1645	1.2148
Sotano	18	53	S10.1	Combination	Min	-8.2416	-39.1531	334.9971	-97.9927	-50.4317	-1.1156
Sotano	18	53	Envol	Combination	Max	102.1753	42.4418	1043.9362	188.738	246.3595	1.7809
Sotano	18	53	Envol	Combination	Min	-45.4877	-62.4831	512.3438	-134.9192	-180.6317	-1.5942
Sotano	18	53	EnvolS	Combination	Max	67.8875	30.4574	815.6096	127.988	168.1039	1.2479
Sotano	18	53	EnvolS	Combination	Min	-32.8614	-42.0517	331.1337	-97.9927	-128.4602	-1.1156
Sotano	18	53	S3	Combination		21.7662	-7.3645	657.9635	19.047	24.5855	0.0784
Sotano	18	53	C4.1	Combination		35.8298	-12.1333	946.5523	28.7204	39.5863	0.1158
Sotano	18	53	C3.1	Combination		35.5707	-12.4194	979.437	29.3979	39.1462	0.1059
Sotano	23	55	Pp	LinStatic		-6.1949	-1.1277	295.6138	6.314	-4.393	0.0004
Sotano	23	55	L	LinStatic		-8.2064	-3.0871	163.7436	5.5579	-6.4851	0.0211
Sotano	23	55	D	LinStatic		-9.9406	-5.3885	352.2447	11.1551	-5.9952	0.0822
Sotano	23	55	Sismo X	LinStatic		-294.0165	8.4713	-252.9842	-25.1762	-927.6972	4.8981
Sotano	23	55	Sismo Y	LinStatic		-13.1486	-276.2764	-245.4544	861.85	-33.7844	-1.1907
Sotano	23	55	Le	LinStatic		-0.1692	-0.2852	29.72	0.7034	-0.3388	-0.009
Sotano	23	55	Der X	LinRespSpec	Max	280.1108	9.2007	251.2328	27.5807	880.7244	3.595
Sotano	23	55	Der Y	LinRespSpec	Max	52.4969	213.7858	169.2334	669.1037	157.6573	6.4874
Sotano	23	55	Dis. X	LinRespSpec	Max	61.6294	2.0243	55.2757	6.0682	193.775	0.791
Sotano	23	55	Dis. Y	LinRespSpec	Max	11.5502	47.0367	37.2343	147.2146	34.6874	1.4273
Sotano	23	55	Lr	LinStatic		-0.067	-0.1369	17.0597	0.3478	-0.138	-0.0042
Sotano	23	55	Ez	LinStatic		0.5655	-0.7559	14.5188	4.2932	1.864	-0.004
Sotano	23	55	C1	Combination		-22.5896	-9.1227	907.0019	24.4567	-14.5435	0.1157
Sotano	23	55	C2	Combination		-32.5263	-12.8272	1047.9498	30.0294	-22.9111	0.1308
Sotano	23	55	C2.1	Combination		-32.5774	-12.9013	1054.28	30.2073	-23.0115	0.1284
Sotano	23	55	C3	Combination		-27.6761	-11.1256	968.4693	27.0773	-19.1718	0.1135
Sotano	23	55	C4	Combination		-27.6025	-10.975	949.7036	26.6947	-19.02	0.1181
Sotano	23	55	C5	Combination	Max	38.0909	4.4729	1022.1386	81.0466	187.0943	1.3354
Sotano	23	55	C5	Combination	Min	-92.0979	-27.7977	889.2467	-19.4186	-221.2682	-1.1029
Sotano	23	55	C5.1	Combination	Max	3.0356	35.9816	1009.5097	179.8491	75.7329	1.7809
Sotano	23	55	C5.1	Combination	Min	-57.0425	-59.3063	901.8756	-118.2211	-109.9069	-1.5483
Sotano	23	55	C6	Combination		-14.5219	-5.8646	583.0727	15.7222	-9.3494	0.0744
Sotano	23	55	C7	Combination	Max	51.138	9.5149	664.0375	70.248	196.6959	1.2896
Sotano	23	55	C7	Combination	Min	-79.0508	-22.7557	531.1455	-30.2173	-211.6666	-1.1488
Sotano	23	55	C7.1	Combination	Max	16.0826	41.0235	651.4086	169.0505	85.3345	1.735

Table 1.5 - Joint Reactions (continued)

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX kN	FY kN	FZ kN	MX kN-m	MY kN-m	MZ kN-m
Sotano	23	55	C7.1	Combination	Min	-43.9955	-54.2644	543.7745	-129.0197	-100.3053	-1.5942
Sotano	23	55	S1	Combination		-16.1355	-6.5162	647.8585	17.4691	-10.3882	0.0826
Sotano	23	55	S2	Combination		-24.3419	-9.6033	811.6021	23.027	-16.8734	0.1037
Sotano	23	55	S4	Combination		-22.3405	-8.9342	783.461	21.8984	-15.3556	0.0953
Sotano	23	55	S6	Combination	Max	29.4306	4.7785	694.3707	52.6319	132.5386	0.9361
Sotano	23	55	S6	Combination	Min	-61.7016	-17.8109	601.3463	-17.6937	-153.3151	-0.7708
Sotano	23	55	S6.1	Combination	Max	4.8919	26.8346	685.5305	121.7937	54.5857	1.2479
Sotano	23	55	S6.1	Combination	Min	-37.1628	-39.8669	610.1866	-86.8555	-75.3622	-1.0826
Sotano	23	55	S8	Combination	Max	11.8341	-0.4632	818.3451	48.2705	91.8396	0.7354
Sotano	23	55	S8	Combination	Min	-56.5151	-17.4052	748.5768	-4.4738	-122.5507	-0.5448
Sotano	23	55	S8.1	Combination	Max	-6.57	16.0789	811.7149	100.1418	33.3749	0.9692
Sotano	23	55	S8.1	Combination	Min	-38.111	-33.9473	755.207	-56.3451	-64.086	-0.7786
Sotano	23	55	S10	Combination	Max	35.8848	7.385	435.2273	45.6443	136.6939	0.903
Sotano	23	55	S10	Combination	Min	-55.2474	-15.2044	342.2029	-24.6814	-149.1598	-0.8038
Sotano	23	55	S10.1	Combination	Max	11.3461	29.441	426.387	114.806	58.741	1.2148
Sotano	23	55	S10.1	Combination	Min	-30.7086	-37.2605	351.0432	-93.8431	-71.2069	-1.1156
Sotano	23	55	Envol	Combination	Max	51.138	41.0235	1054.28	179.8491	196.6959	1.7809
Sotano	23	55	Envol	Combination	Min	-92.0979	-59.3063	531.1455	-129.0197	-221.2682	-1.5942
Sotano	23	55	EnvolS	Combination	Max	35.8848	29.441	818.3451	121.7937	136.6939	1.2479
Sotano	23	55	EnvolS	Combination	Min	-61.7016	-39.8669	342.2029	-93.8431	-153.3151	-1.1156
Sotano	23	55	S3	Combination		-16.2024	-6.6531	664.9182	17.8169	-10.5262	0.0784
Sotano	23	55	C4.1	Combination		-27.6536	-11.0491	956.0338	26.8725	-19.1204	0.1158
Sotano	23	55	C3.1	Combination		-27.8397	-11.3628	988.7258	27.6463	-19.493	0.1059
Sotano	25	57	Pp	LinStatic		-0.8765	-1.1445	140.3251	6.3281	0.5252	0.0004
Sotano	25	57	L	LinStatic		-1.4519	-2.3768	53.9607	4.8065	-0.2388	0.0211
Sotano	25	57	D	LinStatic		-4.0658	-3.9594	95.8782	9.4885	-0.5624	0.0822
Sotano	25	57	Sismo X	LinStatic		-250.6174	18.6908	502.835	-53.8465	-887.5636	4.8981
Sotano	25	57	Sismo Y	LinStatic		-10.5054	-274.9804	-330.6104	865.2563	-31.3401	-1.1907
Sotano	25	57	Le	LinStatic		-0.2185	-0.143	7.714	0.6043	-0.3844	-0.009
Sotano	25	57	Der X	LinRespSpec	Max	238.8263	15.8878	449.9761	47.2065	842.3613	3.595
Sotano	25	57	Der Y	LinRespSpec	Max	46.1202	205.2963	301.5081	648.2239	151.7277	6.4874
Sotano	25	57	Dis. X	LinRespSpec	Max	52.546	3.4956	99.0027	10.3863	185.3345	0.791
Sotano	25	57	Dis. Y	LinRespSpec	Max	10.1473	45.1688	66.3371	142.6207	33.3828	1.4273
Sotano	25	57	Lr	LinStatic		-0.1104	-0.0719	3.8607	0.3029	-0.1782	-0.0042
Sotano	25	57	Ez	LinStatic		1.085	-1.3097	8.2845	4.8307	2.3444	-0.004
Sotano	25	57	C1	Combination		-6.9192	-7.1455	330.6847	22.1433	-0.0521	0.1157
Sotano	25	57	C2	Combination		-8.3089	-9.9636	371.7114	26.8217	-0.5159	0.1308
Sotano	25	57	C2.1	Combination		-8.363	-9.9992	373.6381	26.9724	-0.619	0.1284
Sotano	25	57	C3	Combination		-7.5593	-8.6166	343.5817	24.271	-0.5686	0.1135
Sotano	25	57	C4	Combination		-7.4378	-8.5375	339.335	23.9378	-0.3726	0.1181
Sotano	25	57	C5	Combination	Max	49.2926	7.2349	464.593	81.7896	197.4102	1.3354
Sotano	25	57	C5	Combination	Min	-61.8878	-26.8575	226.7853	-24.5554	-193.2883	-1.1029
Sotano	25	57	C5.1	Combination	Max	19.6135	36.4062	441.7271	174.3537	91.0441	1.7809
Sotano	25	57	C5.1	Combination	Min	-32.2087	-56.0288	249.6512	-117.1195	-86.9222	-1.5483
Sotano	25	57	C6	Combination		-4.448	-4.5936	212.583	14.235	-0.0335	0.0744
Sotano	25	57	C7	Combination	Max	52.2272	11.143	339.7714	72.2382	197.6602	1.2896

Table 1.5 - Joint Reactions (continued)

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX kN	FY kN	FZ kN	MX kN-m	MY kN-m	MZ kN-m
Sotano	25	57	C7	Combination	Min	-58.9533	-22.9495	101.9636	-34.1068	-193.0384	-1.1488
Sotano	25	57	C7.1	Combination	Max	22.548	40.3142	316.9054	164.8023	91.294	1.735
Sotano	25	57	C7.1	Combination	Min	-29.2741	-52.1208	124.8295	-126.6709	-86.6722	-1.5942
Sotano	25	57	S1	Combination		-4.9423	-5.1039	236.2033	15.8166	-0.0372	0.0826
Sotano	25	57	S2	Combination		-6.3942	-7.4808	290.164	20.6231	-0.276	0.1037
Sotano	25	57	S4	Combination		-6.114	-6.9405	279.5693	19.6486	-0.35	0.0953
Sotano	25	57	S6	Combination	Max	33.9709	6.8284	319.4361	53.0374	136.7073	0.9361
Sotano	25	57	S6	Combination	Min	-43.8554	-17.0363	152.9706	-21.4041	-136.7818	-0.7708
Sotano	25	57	S6.1	Combination	Max	13.1955	27.2483	303.4299	117.8322	62.2509	1.2479
Sotano	25	57	S6.1	Combination	Min	-23.08	-37.4562	168.9768	-86.199	-62.3254	-1.0826
Sotano	25	57	S8	Combination	Max	23.0709	2.0088	341.9939	47.5642	102.2084	0.7354
Sotano	25	57	S8	Combination	Min	-35.2989	-15.8898	217.1448	-8.2669	-102.9084	-0.5448
Sotano	25	57	S8.1	Combination	Max	7.4893	17.3237	329.9893	96.1603	46.3662	0.9692
Sotano	25	57	S8.1	Combination	Min	-19.7173	-31.2047	229.1494	-56.8631	-47.0661	-0.7786
Sotano	25	57	S10	Combination	Max	35.9478	8.87	224.9547	46.7107	136.7222	0.903
Sotano	25	57	S10	Combination	Min	-41.8785	-14.9947	58.4893	-27.7308	-136.7669	-0.8038
Sotano	25	57	S10.1	Combination	Max	15.1724	29.2899	208.9486	111.5056	62.2658	1.2148
Sotano	25	57	S10.1	Combination	Min	-21.1031	-35.4146	74.4955	-92.5256	-62.3105	-1.1156
Sotano	25	57	Envol	Combination	Max	52.2272	40.3142	464.593	174.3537	197.6602	1.7809
Sotano	25	57	Envol	Combination	Min	-61.8878	-56.0288	101.9636	-126.6709	-193.2883	-1.5942
Sotano	25	57	EnvolS	Combination	Max	35.9478	29.2899	341.9939	117.8322	136.7222	1.2479
Sotano	25	57	EnvolS	Combination	Min	-43.8554	-37.4562	58.4893	-92.5256	-136.7818	-1.1156
Sotano	25	57	S3	Combination		-5.0527	-5.1759	240.064	16.1195	-0.2154	0.0784
Sotano	25	57	C4.1	Combination		-7.4919	-8.5731	341.2617	24.0885	-0.4757	0.1158
Sotano	25	57	C3.1	Combination		-7.7322	-8.7304	349.7471	24.7532	-0.8985	0.1059
Sotano	37	43	Pp	LinStatic		-1.1136	0.2646	280.13	5.0062	0.3031	0.0004
Sotano	37	43	L	LinStatic		0.3754	1.5701	96.3935	1.3973	1.3136	0.0211
Sotano	37	43	D	LinStatic		1.6844	0.087	202.4745	6.8888	4.2192	0.0822
Sotano	37	43	Sismo X	LinStatic		-269.5323	-23.0881	-644.7219	57.9084	-936.9792	4.8981
Sotano	37	43	Sismo Y	LinStatic		-6.6553	-345.2261	-292.0566	913.88	-20.0189	-1.1907
Sotano	37	43	Le	LinStatic		0.0441	-0.1878	18.3446	0.5141	-0.0832	-0.009
Sotano	37	43	Der X	LinRespSpec	Max	239.9117	15.5025	565.2183	35.6671	836.5144	3.595
Sotano	37	43	Der Y	LinRespSpec	Max	28.4694	296.5071	218.6905	788.2761	93.2124	6.4874
Sotano	37	43	Dis. X	LinRespSpec	Max	52.7848	3.4108	124.3581	7.8474	184.048	0.791
Sotano	37	43	Dis. Y	LinRespSpec	Max	6.2638	65.2368	48.1158	173.4347	20.5084	1.4273
Sotano	37	43	Lr	LinStatic		0.0201	-0.1082	15.3457	0.2749	-0.0301	-0.0042
Sotano	37	43	Ez	LinStatic		-2.3054	-1.8143	29.1648	5.2476	-0.765	-0.004
Sotano	37	43	C1	Combination		0.7991	0.4923	675.6463	16.653	6.3313	0.1157
Sotano	37	43	C2	Combination		1.2956	2.8801	741.0278	16.6471	7.5136	0.1308
Sotano	37	43	C2.1	Combination		1.3076	2.8402	742.5273	16.7668	7.487	0.1284
Sotano	37	43	C3	Combination		1.0925	1.819	700.072	16.1111	6.6923	0.1135
Sotano	37	43	C4	Combination		1.0704	1.938	683.1917	15.8088	6.7254	0.1181
Sotano	37	43	C5	Combination	Max	53.4189	23.1597	843.4765	80.7968	196.176	1.3354
Sotano	37	43	C5	Combination	Min	-55.909	-22.8041	565.8909	-38.9588	-184.2251	-1.1029
Sotano	37	43	C5.1	Combination	Max	20.8542	66.4379	790.1069	196.7079	81.6983	1.7809
Sotano	37	43	C5.1	Combination	Min	-23.3443	-66.0822	619.2605	-154.8699	-69.7473	-1.5483

Table 1.5 - Joint Reactions (continued)

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX kN	FY kN	FZ kN	MX kN-m	MY kN-m	MZ kN-m
Sotano	37	43	C6	Combination		0.5137	0.3165	434.3441	10.7055	4.0701	0.0744
Sotano	37	43	C7	Combination	Max	52.8723	21.4841	602.3017	75.831	193.5057	1.2896
Sotano	37	43	C7	Combination	Min	-56.4557	-24.4797	324.7161	-43.9246	-186.8954	-1.1488
Sotano	37	43	C7.1	Combination	Max	20.3075	64.7622	548.9321	191.7421	79.0279	1.735
Sotano	37	43	C7.1	Combination	Min	-23.8909	-67.7578	378.0857	-159.8357	-72.4176	-1.5942
Sotano	37	43	S1	Combination		0.5708	0.3516	482.6045	11.895	4.5223	0.0826
Sotano	37	43	S2	Combination		0.9462	1.9218	578.998	13.2923	5.8359	0.1037
Sotano	37	43	S4	Combination		0.8674	1.4481	566.4089	13.1492	5.485	0.0953
Sotano	37	43	S6	Combination	Max	38.8356	16.4389	579.7595	53.8095	137.6627	0.9361
Sotano	37	43	S6	Combination	Min	-37.694	-15.7357	385.4495	-30.0194	-128.618	-0.7708
Sotano	37	43	S6.1	Combination	Max	16.0403	46.7337	542.4007	134.9473	57.5283	1.2479
Sotano	37	43	S6.1	Combination	Min	-14.8987	-46.0304	422.8083	-111.1572	-48.4836	-1.0826
Sotano	37	43	S8	Combination	Max	29.566	13.5136	639.2751	44.585	105.3403	0.7354
Sotano	37	43	S8	Combination	Min	-27.8312	-10.6174	493.5426	-18.2867	-94.3703	-0.5448
Sotano	37	43	S8.1	Combination	Max	12.4695	36.2346	611.256	105.4383	45.2395	0.9692
Sotano	37	43	S8.1	Combination	Min	-10.7347	-33.3384	521.5617	-79.14	-34.2695	-0.7786
Sotano	37	43	S10	Combination	Max	38.6073	16.2983	386.7177	49.0515	135.8538	0.903
Sotano	37	43	S10	Combination	Min	-37.9223	-15.8763	192.4077	-34.7774	-130.427	-0.8038
Sotano	37	43	S10.1	Combination	Max	15.8119	46.593	349.3589	130.1892	55.7194	1.2148
Sotano	37	43	S10.1	Combination	Min	-15.127	-46.1711	229.7665	-115.9152	-50.2925	-1.1156
Sotano	37	43	Envol	Combination	Max	53.4189	66.4379	843.4765	196.7079	196.176	1.7809
Sotano	37	43	Envol	Combination	Min	-56.4557	-67.7578	324.7161	-159.8357	-186.8954	-1.5942
Sotano	37	43	EnvolS	Combination	Max	38.8356	46.7337	639.2751	134.9473	137.6627	1.2479
Sotano	37	43	EnvolS	Combination	Min	-37.9223	-46.1711	192.4077	-115.9152	-130.427	-1.1156
Sotano	37	43	S3	Combination		0.5909	0.2434	497.9502	12.1699	4.4923	0.0784
Sotano	37	43	C4.1	Combination		1.0824	1.8982	684.6912	15.9284	6.6988	0.1158
Sotano	37	43	C3.1	Combination		1.1309	1.6915	704.8703	16.4939	6.6073	0.1059
Sotano	39	45	Pp	LinStatic		10.1456	0.7113	362.5128	4.5835	10.7151	0.0004
Sotano	39	45	L	LinStatic		17.5717	2.5238	227.0908	0.4191	17.216	0.0211
Sotano	39	45	D	LinStatic		23.0127	2.0073	398.9238	4.7699	23.9427	0.0822
Sotano	39	45	Sismo X	LinStatic		-316.4842	-11.2864	442.402	28.3894	-980.3983	4.8981
Sotano	39	45	Sismo Y	LinStatic		-7.7294	-347.2402	-219.056	920.2503	-21.0122	-1.1907
Sotano	39	45	Le	LinStatic		-0.2343	-0.2136	32.5604	0.5721	-0.3406	-0.009
Sotano	39	45	Der X	LinRespSpec	Max	281.7572	7.4852	402.6855	15.9957	875.445	3.595
Sotano	39	45	Der Y	LinRespSpec	Max	32.8839	287.4176	214.9624	764.8212	97.3098	6.4874
Sotano	39	45	Dis. X	LinRespSpec	Max	61.9916	1.6469	88.598	3.5193	192.6135	0.791
Sotano	39	45	Dis. Y	LinRespSpec	Max	7.235	63.2369	47.2955	168.2742	21.4099	1.4273
Sotano	39	45	Lr	LinStatic		-0.1188	-0.1258	22.5549	0.3072	-0.1585	-0.0042
Sotano	39	45	Ez	LinStatic		0.5558	-1.8341	-4.1966	5.2812	1.881	-0.004
Sotano	39	45	C1	Combination		46.4215	3.806	1066.0113	13.0948	48.5209	0.1157
Sotano	39	45	C2	Combination		67.8453	7.2375	1288.3467	12.0484	69.0558	0.1308
Sotano	39	45	C2.1	Combination		67.7875	7.1935	1293.3495	12.1808	68.9647	0.1284
Sotano	39	45	C3	Combination		57.1716	5.5849	1176.9026	12.1349	58.5519	0.1135
Sotano	39	45	C4	Combination		57.3022	5.7232	1152.0922	11.7969	58.7262	0.1181

Table 1.5 - Joint Reactions (continued)

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX kN	FY kN	FZ kN	MX kN-m	MY kN-m	MZ kN-m
Sotano	39	45	C5	Combination	Max	122.0795	24.57	1239.4047	70.9261	259.7228	1.3354
Sotano	39	45	C5	Combination	Min	-6.2447	-16.666	1033.8315	-37.0771	-138.3501	-1.1029
Sotano	39	45	C5.1	Combination	Max	83.7499	67.683	1210.493	186.2545	139.8803	1.7809
Sotano	39	45	C5.1	Combination	Min	32.0849	-59.779	1062.7432	-152.4055	-18.5075	-1.5483
Sotano	39	45	C6	Combination		29.8424	2.4467	685.2929	8.4181	31.192	0.0744
Sotano	39	45	C7	Combination	Max	94.5603	21.2306	783.8829	67.7009	232.1094	1.2896
Sotano	39	45	C7	Combination	Min	-33.7639	-20.0053	578.3097	-40.3023	-165.9634	-1.1488
Sotano	39	45	C7.1	Combination	Max	56.2307	64.3436	754.9712	183.0293	112.2669	1.735
Sotano	39	45	C7.1	Combination	Min	4.5657	-63.1184	607.2214	-155.6306	-46.1209	-1.5942
Sotano	39	45	S1	Combination		33.1582	2.7186	761.4366	9.3534	34.6578	0.0826
Sotano	39	45	S2	Combination		50.73	5.2424	988.5274	9.7726	51.8739	0.1037
Sotano	39	45	S4	Combination		46.248	4.5171	948.6709	9.8982	47.451	0.0953
Sotano	39	45	S6	Combination	Max	78.0717	17.1512	833.3872	47.1546	173.9833	0.9361
Sotano	39	45	S6	Combination	Min	-11.7552	-11.714	689.486	-28.4477	-104.6677	-0.7708
Sotano	39	45	S6.1	Combination	Max	51.241	47.3303	813.149	127.8844	90.0936	1.2479
Sotano	39	45	S6.1	Combination	Min	15.0755	-41.8931	709.7242	-109.1775	-20.7779	-1.0826
Sotano	39	45	S8	Combination	Max	79.9331	15.3415	1002.6339	38.2491	151.9451	0.7354
Sotano	39	45	S8	Combination	Min	12.5628	-6.3073	894.7079	-18.4526	-57.0431	-0.5448
Sotano	39	45	S8.1	Combination	Max	59.81	37.9759	987.4553	98.7965	89.0278	0.9692
Sotano	39	45	S8.1	Combination	Min	32.6859	-28.9417	909.8866	-79	5.8742	-0.7786
Sotano	39	45	S10	Combination	Max	64.8084	16.0637	528.8126	43.4132	160.1202	0.903
Sotano	39	45	S10	Combination	Min	-25.0185	-12.8014	384.9113	-32.1891	-118.5308	-0.8038
Sotano	39	45	S10.1	Combination	Max	37.9777	46.2429	508.5744	124.1431	76.2304	1.2148
Sotano	39	45	S10.1	Combination	Min	1.8122	-42.9806	405.1495	-112.9189	-34.6411	-1.1156
Sotano	39	45	Envol	Combination	Max	122.0795	67.683	1293.3495	186.2545	259.7228	1.7809
Sotano	39	45	Envol	Combination	Min	-33.7639	-63.1184	578.3097	-155.6306	-165.9634	-1.5942
Sotano	39	45	EnvolS	Combination	Max	79.9331	47.3303	1002.6339	127.8844	173.9833	1.2479
Sotano	39	45	EnvolS	Combination	Min	-25.0185	-42.9806	384.9113	-112.9189	-118.5308	-1.1156
Sotano	39	45	S3	Combination		33.0395	2.5928	783.9915	9.6607	34.4993	0.0784
Sotano	39	45	C4.1	Combination		57.2445	5.6793	1157.095	11.9293	58.6351	0.1158
Sotano	39	45	C3.1	Combination		56.9868	5.4443	1192.9115	12.5586	58.2605	0.1059
Sotano	45	47	Pp	LinStatic		-7.5737	-2.5471	311.2136	7.652	-5.671	0.0004
Sotano	45	47	L	LinStatic		-14.3249	0.4207	222.5077	2.2513	-12.2806	0.0211
Sotano	45	47	D	LinStatic		-14.2913	-0.2546	417.7581	6.3157	-10.5544	0.0822
Sotano	45	47	Sismo X	LinStatic		-314.0095	10.8877	-398.5727	-27.4541	-978.1098	4.8981
Sotano	45	47	Sismo Y	LinStatic		-7.6391	-352.9731	-230.8605	934.1486	-20.9287	-1.1907
Sotano	45	47	Le	LinStatic		-0.0851	-0.2465	32.9281	0.667	-0.2027	-0.009
Sotano	45	47	Der X	LinRespSpec	Max	279.5408	11.4827	366.4797	29.7975	873.3866	3.595
Sotano	45	47	Der Y	LinRespSpec	Max	32.6628	273.4877	162.0546	725.6405	97.1045	6.4874
Sotano	45	47	Dis. X	LinRespSpec	Max	61.5039	2.5264	80.6321	6.556	192.1606	0.791
Sotano	45	47	Dis. Y	LinRespSpec	Max	7.1864	60.1721	35.6549	159.6537	21.3647	1.4273
Sotano	45	47	Lr	LinStatic		-0.0439	-0.124	16.5178	0.3356	-0.0892	-0.0042
Sotano	45	47	Ez	LinStatic		0.4633	-1.8293	-1.0853	5.305	1.7954	-0.004

Table 1.5 - Joint Reactions (continued)

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX kN	FY kN	FZ kN	MX kN-m	MY kN-m	MZ kN-m
Sotano	45	47	C1	Combination		-30.6111	-3.9224	1020.5604	19.5547	-22.7155	0.1157
Sotano	45	47	C2	Combination		-49.1798	-2.7509	1239.0373	20.531	-39.164	0.1308
Sotano	45	47	C2.1	Combination		-49.2005	-2.8122	1247.2424	20.6967	-39.2207	0.1284
Sotano	45	47	C3	Combination		-40.6332	-3.1397	1123.7023	19.5494	-31.8938	0.1135
Sotano	45	47	C4	Combination		-40.5849	-3.0034	1105.5327	19.1802	-31.7957	0.1181
Sotano	45	47	C5	Combination	Max	23.5602	15.8074	1187.517	78.7696	168.6144	1.3354
Sotano	45	47	C5	Combination	Min	-103.7595	-25.3487	1004.86	-30.1346	-228.5256	-1.1029
Sotano	45	47	C5.1	Combination	Max	-14.4621	56.1594	1156.033	185.938	49.0573	1.7809
Sotano	45	47	C5.1	Combination	Min	-65.7372	-65.7007	1036.344	-137.303	-108.9685	-1.5483
Sotano	45	47	C6	Combination		-19.6786	-2.5216	656.0746	12.5709	-14.6029	0.0744
Sotano	45	47	C7	Combination	Max	44.4446	16.2272	746.3178	72.328	185.7626	1.2896
Sotano	45	47	C7	Combination	Min	-82.8751	-24.9289	563.6608	-36.5762	-211.3774	-1.1488
Sotano	45	47	C7.1	Combination	Max	6.4223	56.5792	714.8337	179.4964	66.2055	1.735
Sotano	45	47	C7.1	Combination	Min	-44.8528	-65.2809	595.1448	-143.7446	-91.8203	-1.5942
Sotano	45	47	S1	Combination		-21.8651	-2.8017	728.9717	13.9676	-16.2254	0.0826
Sotano	45	47	S2	Combination		-36.19	-2.381	951.4794	16.2189	-28.506	0.1037
Sotano	45	47	S4	Combination		-32.6417	-2.5792	908.2409	15.9078	-25.5027	0.0953
Sotano	45	47	S6	Combination	Max	22.6968	11.6029	792.9017	52.0841	122.7736	0.9361
Sotano	45	47	S6	Combination	Min	-66.427	-17.2064	665.0418	-24.1488	-155.2244	-0.7708
Sotano	45	47	S6.1	Combination	Max	-3.9188	39.8493	770.8629	127.102	39.0836	1.2479
Sotano	45	47	S6.1	Combination	Min	-39.8114	-45.4528	687.0806	-99.1667	-71.5344	-1.0826
Sotano	45	47	S8	Combination	Max	0.7798	8.2243	956.1883	44.4951	78.7465	0.7354
Sotano	45	47	S8	Combination	Min	-66.0631	-13.3827	860.2934	-12.6796	-129.752	-0.5448
Sotano	45	47	S8.1	Combination	Max	-19.1819	29.4091	939.6592	100.7585	15.979	0.9692
Sotano	45	47	S8.1	Combination	Min	-46.1014	-34.5675	876.8225	-68.943	-66.9845	-0.7786
Sotano	45	47	S10	Combination	Max	31.4429	12.7236	501.313	46.4971	129.2638	0.903
Sotano	45	47	S10	Combination	Min	-57.681	-16.0857	373.4531	-29.7359	-148.7342	-0.8038
Sotano	45	47	S10.1	Combination	Max	4.8273	40.97	479.2742	121.515	45.5738	1.2148
Sotano	45	47	S10.1	Combination	Min	-31.0654	-44.3321	395.4919	-104.7538	-65.0442	-1.1156
Sotano	45	47	Envol	Combination	Max	44.4446	56.5792	1247.2424	185.938	185.7626	1.7809
Sotano	45	47	Envol	Combination	Min	-103.7595	-65.7007	563.6608	-143.7446	-228.5256	-1.5942
Sotano	45	47	EnvolS	Combination	Max	31.4429	40.97	956.1883	127.102	129.2638	1.2479
Sotano	45	47	EnvolS	Combination	Min	-66.427	-45.4528	373.4531	-104.7538	-155.2244	-1.1156
Sotano	45	47	S3	Combination		-21.909	-2.9257	745.4896	14.3032	-16.3146	0.0784
Sotano	45	47	C4.1	Combination		-40.6055	-3.0646	1113.7378	19.3459	-31.8524	0.1158
Sotano	45	47	C3.1	Combination		-40.6992	-3.3358	1149.9587	20.0797	-32.0753	0.1059
Sotano	47	49	Pp	LinStatic		-0.9695	-3.011	237.5172	8.0875	0.4363	0.0004
Sotano	47	49	L	LinStatic		-2.9373	-0.4215	102.2929	2.9632	-1.7498	0.0211
Sotano	47	49	D	LinStatic		-8.3873	-1.5471	228.9474	7.2145	-5.0946	0.0822
Sotano	47	49	Sismo X	LinStatic		-267.1651	23.6929	594.5661	-58.5617	-934.7901	4.8981
Sotano	47	49	Sismo Y	LinStatic		-6.8453	-356.9492	-267.0152	942.5245	-20.1946	-1.1907
Sotano	47	49	Le	LinStatic		-0.1246	-0.3829	15.8464	0.8304	-0.2392	-0.009
Sotano	47	49	Der X	LinRespSpec	Max	237.7735	20.11	516.593	51.3601	834.5284	3.595
Sotano	47	49	Der Y	LinRespSpec	Max	28.1104	266.8943	236.723	706.5914	92.8772	6.4874
Sotano	47	49	Dis. X	LinRespSpec	Max	52.3144	4.4246	113.6596	11.3001	183.6111	0.791

Table 1.5 - Joint Reactions (continued)

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX kN	FY kN	FZ kN	MX kN-m	MY kN-m	MZ kN-m
Sotano	47	49	Dis. Y	LinRespSpec	Max	6.1848	58.7215	52.0832	155.4626	20.4346	1.4273
Sotano	47	49	Lr	LinStatic		-0.0639	-0.1919	7.8217	0.4159	-0.1077	-0.0042
Sotano	47	49	Ez	LinStatic		1.1405	-1.7889	6.989	5.2824	2.4217	-0.004
Sotano	47	49	C1	Combination		-13.0996	-6.3813	653.0505	21.4229	-6.5216	0.1157
Sotano	47	49	C2	Combination		-15.9598	-6.24	727.337	23.3116	-8.4435	0.1308
Sotano	47	49	C2.1	Combination		-15.9902	-6.3355	731.3494	23.5188	-8.5093	0.1284
Sotano	47	49	C3	Combination		-14.2677	-6.1982	674.5651	21.9912	-7.5121	0.1135
Sotano	47	49	C4	Combination		-14.1974	-5.9871	665.9613	21.5337	-7.3936	0.1181
Sotano	47	49	C5	Combination	Max	41.1448	14.3609	798.3241	84.547	184.8234	1.3354
Sotano	47	49	C5	Combination	Min	-67.1948	-29.7211	539.7548	-31.3308	-194.6596	-1.1029
Sotano	47	49	C5.1	Combination	Max	8.8541	52.3688	755.2206	185.4608	70.5998	1.7809
Sotano	47	49	C5.1	Combination	Min	-34.9041	-67.7289	582.8583	-132.2445	-80.4361	-1.5483
Sotano	47	49	C6	Combination		-8.4212	-4.1023	419.8181	13.7719	-4.1925	0.0744
Sotano	47	49	C7	Combination	Max	46.8892	16.1498	556.0918	76.9932	187.9707	1.2896
Sotano	47	49	C7	Combination	Min	-61.4505	-27.9322	297.5226	-38.8846	-191.5123	-1.1488
Sotano	47	49	C7.1	Combination	Max	14.5985	54.1576	512.9883	177.9069	73.7472	1.735
Sotano	47	49	C7.1	Combination	Min	-29.1597	-65.94	340.626	-139.7983	-77.2888	-1.5942
Sotano	47	49	S1	Combination		-9.3568	-4.5581	466.4646	15.3021	-4.6583	0.0826
Sotano	47	49	S2	Combination		-12.2941	-4.9795	568.7575	18.2653	-6.4081	0.1037
Sotano	47	49	S4	Combination		-11.6077	-5.0181	549.0506	17.8364	-6.0514	0.0953
Sotano	47	49	S6	Combination	Max	28.562	10.8706	556.9638	55.8593	128.1607	0.9361
Sotano	47	49	S6	Combination	Min	-47.2757	-19.9868	375.9654	-25.2552	-137.4773	-0.7708
Sotano	47	49	S6.1	Combination	Max	5.9585	37.4761	526.7914	126.4989	48.2043	1.2479
Sotano	47	49	S6.1	Combination	Min	-24.6722	-46.5923	406.1378	-95.8948	-57.5209	-1.0826
Sotano	47	49	S8	Combination	Max	16.8315	6.5534	616.925	48.2544	93.5628	0.7354
Sotano	47	49	S8	Combination	Min	-40.0469	-16.5896	481.1761	-12.5815	-105.6657	-0.5448
Sotano	47	49	S8.1	Combination	Max	-0.1212	26.5075	594.2956	101.2341	33.5955	0.9692
Sotano	47	49	S8.1	Combination	Min	-23.0942	-36.5437	503.8055	-65.5612	-45.6984	-0.7786
Sotano	47	49	S10	Combination	Max	32.3048	12.6938	370.378	49.7385	130.024	0.903
Sotano	47	49	S10	Combination	Min	-43.533	-18.1635	189.3795	-31.376	-135.614	-0.8038
Sotano	47	49	S10.1	Combination	Max	9.7013	39.2993	340.2056	120.3781	50.0676	1.2148
Sotano	47	49	S10.1	Combination	Min	-20.9295	-44.769	219.552	-102.0156	-55.6576	-1.1156
Sotano	47	49	Envol	Combination	Max	46.8892	54.1576	798.3241	185.4608	187.9707	1.7809
Sotano	47	49	Envol	Combination	Min	-67.1948	-67.7289	297.5226	-139.7983	-194.6596	-1.5942
Sotano	47	49	EnvolS	Combination	Max	32.3048	39.2993	616.925	126.4989	130.024	1.2479
Sotano	47	49	EnvolS	Combination	Min	-47.2757	-46.5923	189.3795	-102.0156	-137.4773	-1.1156
Sotano	47	49	S3	Combination		-9.4207	-4.75	474.2863	15.718	-4.766	0.0784
Sotano	47	49	C4.1	Combination		-14.2278	-6.0826	669.9736	21.7409	-7.4594	0.1158
Sotano	47	49	C3.1	Combination		-14.3649	-6.5039	687.4047	22.6544	-7.7225	0.1059
Sotano	57	35	Pp	LinStatic		-0.6887	-6.0353	306.989	10.9449	0.6938	0.0004
Sotano	57	35	L	LinStatic		-0.1871	-3.7798	110.8115	6.4404	0.6892	0.0211
Sotano	57	35	D	LinStatic		0.4537	-6.6658	260.1801	13.2544	2.6745	0.0822
Sotano	57	35	Sismo X	LinStatic		-280.6363	-23.4787	-635.1251	58.2767	-971.4798	4.8981
Sotano	57	35	Sismo Y	LinStatic		-3.7341	-351.8677	124.7033	920.1408	-11.4267	-1.1907

Table 1.5 - Joint Reactions (continued)

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX kN	FY kN	FZ kN	MX kN-m	MY kN-m	MZ kN-m
Sotano	57	35	Le	LinStatic		0.0301	-0.1719	12.992	0.4991	-0.0518	-0.009
Sotano	57	35	Der X	LinRespSpec	Max	238.0335	15.7384	559.6169	35.8995	830.0604	3.595
Sotano	57	35	Der Y	LinRespSpec	Max	14.9731	302.2572	133.1107	793.7126	48.7419	6.4874
Sotano	57	35	Dis. X	LinRespSpec	Max	52.3716	3.4627	123.1257	7.8985	182.628	0.791
Sotano	57	35	Dis. Y	LinRespSpec	Max	3.2943	66.5019	29.2867	174.6308	10.7241	1.4273
Sotano	57	35	Lr	LinStatic		0.0017	-0.0622	21.2318	0.2315	-0.0262	-0.0042
Sotano	57	35	Ez	LinStatic		-2.2763	-1.8291	33.8667	5.2617	-0.7184	-0.004
Sotano	57	35	C1	Combination		-0.3291	-17.7816	794.0368	33.879	4.7156	0.1157
Sotano	57	35	C2	Combination		-0.5805	-21.3201	868.5172	39.4595	5.1315	0.1308
Sotano	57	35	C2.1	Combination		-0.5663	-21.3749	864.3973	39.5933	5.1187	0.1284
Sotano	57	35	C3	Combination		-0.4664	-19.1207	825.3853	35.85	4.6891	0.1135
Sotano	57	35	C4	Combination		-0.4683	-19.0522	802.0303	35.5953	4.718	0.1181
Sotano	57	35	C5	Combination	Max	50.6144	2.563	957.1928	101.0289	189.858	1.3354
Sotano	57	35	C5	Combination	Min	-56.1054	-44.2636	693.3695	-19.5466	-181.8326	-1.1029
Sotano	57	35	C5.1	Combination	Max	16.2604	46.6905	891.5056	217.7415	69.5252	1.7809
Sotano	57	35	C5.1	Combination	Min	-21.7513	-88.391	759.0567	-136.2592	-61.4998	-1.5483
Sotano	57	35	C6	Combination		-0.2115	-11.431	510.4522	21.7794	3.0314	0.0744
Sotano	57	35	C7	Combination	Max	50.8721	10.1531	676.2306	87.3288	188.1583	1.2896
Sotano	57	35	C7	Combination	Min	-55.8478	-36.6735	412.4072	-33.2468	-183.5322	-1.1488
Sotano	57	35	C7.1	Combination	Max	16.518	54.2806	610.5433	204.0414	67.8255	1.735
Sotano	57	35	C7.1	Combination	Min	-21.4937	-80.8009	478.0945	-149.9594	-63.1995	-1.5942
Sotano	57	35	S1	Combination		-0.2351	-12.7011	567.1691	24.1993	3.3683	0.0826
Sotano	57	35	S2	Combination		-0.4221	-16.4809	677.9806	30.6397	4.0574	0.1037
Sotano	57	35	S4	Combination		-0.3741	-15.5826	666.2016	29.2032	3.8655	0.0953
Sotano	57	35	S6	Combination	Max	37.1169	3.6882	659.5073	66.4007	133.4599	0.9361
Sotano	57	35	S6	Combination	Min	-37.587	-29.0904	474.8309	-18.0022	-126.7234	-0.7708
Sotano	57	35	S6.1	Combination	Max	13.069	34.5774	613.5262	148.0995	49.227	1.2479
Sotano	57	35	S6.1	Combination	Min	-13.5391	-59.9796	520.812	-99.701	-42.4905	-1.0826
Sotano	57	35	S8	Combination	Max	27.6399	-3.2906	735.4552	60.8543	101.4342	0.7354
Sotano	57	35	S8	Combination	Min	-28.388	-27.8746	596.948	-2.4478	-93.7033	-0.5448
Sotano	57	35	S8.1	Combination	Max	9.604	19.8763	700.9694	122.1284	38.2595	0.9692
Sotano	57	35	S8.1	Combination	Min	-10.3521	-51.0415	631.4338	-63.722	-30.5286	-0.7786
Sotano	57	35	S10	Combination	Max	37.2109	8.7686	432.6396	56.721	132.1126	0.903
Sotano	57	35	S10	Combination	Min	-37.493	-24.01	247.9633	-27.6819	-128.0707	-0.8038
Sotano	57	35	S10.1	Combination	Max	13.163	39.6579	386.6586	138.4198	47.8797	1.2148
Sotano	57	35	S10.1	Combination	Min	-13.4451	-54.8992	293.9444	-109.3807	-43.8378	-1.1156
Sotano	57	35	Envol	Combination	Max	50.8721	54.2806	957.1928	217.7415	189.858	1.7809
Sotano	57	35	Envol	Combination	Min	-56.1054	-88.391	412.4072	-149.9594	-183.5322	-1.5942
Sotano	57	35	EnvolS	Combination	Max	37.2109	39.6579	735.4552	148.0995	133.4599	1.2479
Sotano	57	35	EnvolS	Combination	Min	-37.587	-59.9796	247.9633	-109.3807	-128.0707	-1.1156
Sotano	57	35	S3	Combination		-0.2333	-12.7634	588.4009	24.4308	3.342	0.0784
Sotano	57	35	C4.1	Combination		-0.4541	-19.107	797.9104	35.7291	4.7052	0.1158
Sotano	57	35	C3.1	Combination		-0.4209	-19.2961	812.2016	36.278	4.6483	0.1059
Sotano	59	37	Pp	LinStatic		9.6748	-5.643	373.9066	10.5735	10.2775	0.0004

Table 1.5 - Joint Reactions (continued)

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX kN	FY kN	FZ kN	MX kN-m	MY kN-m	MZ kN-m
Sotano	59	37	L	LinStatic		19.2538	-3.332	218.9165	5.9391	18.6673	0.0211
Sotano	59	37	D	LinStatic		20.5753	-5.4279	291.265	11.7787	21.282	0.0822
Sotano	59	37	Sismo X	LinStatic		-342.5864	-11.5427	513.6169	28.631	-1028.7686	4.8981
Sotano	59	37	Sismo Y	LinStatic		-4.9521	-355.2806	121.8571	927.8296	-12.553	-1.1907
Sotano	59	37	Le	LinStatic		-0.1741	-0.2526	30.7202	0.6088	-0.2406	-0.009
Sotano	59	37	Der X	LinRespSpec	Max	290.9273	7.6029	444.7514	16.1184	879.3588	3.595
Sotano	59	37	Der Y	LinRespSpec	Max	17.5631	294.1665	87.9639	771.2108	51.1585	6.4874
Sotano	59	37	Dis. X	LinRespSpec	Max	64.0092	1.6728	97.8532	3.5463	193.4746	0.791
Sotano	59	37	Dis. Y	LinRespSpec	Max	3.8642	64.7218	19.3536	169.68	11.2558	1.4273
Sotano	59	37	Lr	LinStatic		-0.0787	-0.0882	24.1788	0.2718	-0.1006	-0.0042
Sotano	59	37	Ez	LinStatic		0.5619	-1.8454	-1.5267	5.2919	1.9062	-0.004
Sotano	59	37	C1	Combination		42.35	-15.4993	931.2403	31.293	44.1834	0.1157
Sotano	59	37	C2	Combination		67.0668	-18.6604	1160.5617	36.4611	67.6888	0.1308
Sotano	59	37	C2.1	Combination		67.0191	-18.7426	1163.8324	36.6296	67.6188	0.1284
Sotano	59	37	C3	Combination		55.428	-16.7581	1055.8085	33.1966	56.3778	0.1135
Sotano	59	37	C4	Combination		55.5145	-16.6612	1029.2118	32.8976	56.4885	0.1181
Sotano	59	37	C5	Combination	Max	121.2842	2.6269	1119.255	92.504	255.2963	1.3354
Sotano	59	37	C5	Combination	Min	-9.0527	-39.5518	911.9364	-16.3967	-138.4063	-1.1029
Sotano	59	37	C5.1	Combination	Max	79.1827	46.7612	1064.3052	208.7975	127.7431	1.7809
Sotano	59	37	C5.1	Combination	Min	33.0488	-83.6861	966.8861	-132.6903	-10.8532	-1.5483
Sotano	59	37	C6	Combination		27.225	-9.9638	598.6545	20.117	28.4036	0.0744
Sotano	59	37	C7	Combination	Max	92.9553	9.2801	700.787	79.8592	227.1611	1.2896
Sotano	59	37	C7	Combination	Min	-37.3815	-32.8985	493.4684	-29.0415	-166.5415	-1.1488
Sotano	59	37	C7.1	Combination	Max	50.8538	53.4145	645.8373	196.1527	99.608	1.735
Sotano	59	37	C7.1	Combination	Min	4.7199	-77.0328	548.4181	-145.3351	-38.9883	-1.5942
Sotano	59	37	S1	Combination		30.25	-11.0709	665.1716	22.3522	31.5596	0.0826
Sotano	59	37	S2	Combination		49.5039	-14.4029	884.0881	28.2913	50.2268	0.1037
Sotano	59	37	S4	Combination		44.6314	-13.636	847.4931	27.0104	45.4846	0.0953
Sotano	59	37	S6	Combination	Max	75.8679	3.6916	737.7331	60.4674	169.3555	0.9361
Sotano	59	37	S6	Combination	Min	-15.3679	-25.8334	592.6101	-15.7631	-106.2363	-0.7708
Sotano	59	37	S6.1	Combination	Max	46.3969	34.5857	699.2683	141.8729	80.0683	1.2479
Sotano	59	37	S6.1	Combination	Min	14.1032	-56.7275	631.0749	-97.1686	-16.9491	-1.0826
Sotano	59	37	S8	Combination	Max	78.8448	-2.5641	901.9142	55.5968	148.8315	0.7354
Sotano	59	37	S8	Combination	Min	10.418	-24.7079	793.0719	-1.5761	-57.8623	-0.5448
Sotano	59	37	S8.1	Combination	Max	56.7415	20.6064	873.0656	116.6509	81.8661	0.9692
Sotano	59	37	S8.1	Combination	Min	32.5212	-47.8784	821.9205	-62.6302	9.1031	-0.7786
Sotano	59	37	S10	Combination	Max	63.7679	8.12	471.6645	51.5265	156.7316	0.903
Sotano	59	37	S10	Combination	Min	-27.4679	-21.4051	326.5415	-24.7039	-118.8602	-0.8038
Sotano	59	37	S10.1	Combination	Max	34.2969	39.014	433.1997	132.932	67.4444	1.2148
Sotano	59	37	S10.1	Combination	Min	2.0032	-52.2991	365.0063	-106.1094	-29.573	-1.1156
Sotano	59	37	Envol	Combination	Max	121.2842	53.4145	1163.8324	208.7975	255.2963	1.7809
Sotano	59	37	Envol	Combination	Min	-37.3815	-83.6861	493.4684	-145.3351	-166.5415	-1.5942
Sotano	59	37	EnvolS	Combination	Max	78.8448	39.014	901.9142	141.8729	169.3555	1.2479
Sotano	59	37	EnvolS	Combination	Min	-27.4679	-56.7275	326.5415	-106.1094	-118.8602	-1.1156

Table 1.5 - Joint Reactions (continued)

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX kN	FY kN	FZ kN	MX kN-m	MY kN-m	MZ kN-m
Sotano	59	37	S3	Combination		30.1713	-11.1591	689.3504	22.624	31.459	0.0784
Sotano	59	37	C4.1	Combination		55.4668	-16.7434	1032.4825	33.0662	56.4184	0.1158
Sotano	59	37	C3.1	Combination		55.2753	-17.0213	1066.2747	33.7359	56.1537	0.1059
Sotano	65	39	Pp	LinStatic		-7.1642	-2.8915	308.6994	7.9766	-5.2945	0.0004
Sotano	65	39	L	LinStatic		-15.3002	-1.6166	204.7038	4.1717	-13.2868	0.0211
Sotano	65	39	D	LinStatic		-10.1912	-3.83	308.6589	9.6861	-7.1694	0.0822
Sotano	65	39	Sismo X	LinStatic		-340.2021	11.1602	-472.1722	-27.7109	-1026.5637	4.8981
Sotano	65	39	Sismo Y	LinStatic		-4.5324	-360.7865	118.248	941.514	-12.1649	-1.1907
Sotano	65	39	Le	LinStatic		0.0423	-0.3157	30.6884	0.7322	-0.0406	-0.009
Sotano	65	39	Der X	LinRespSpec	Max	288.8749	11.7491	406.8178	30.0585	877.4569	3.595
Sotano	65	39	Der Y	LinRespSpec	Max	17.6341	279.5169	108.009	731.3484	51.2237	6.4874
Sotano	65	39	Dis. X	LinRespSpec	Max	63.5576	2.585	89.5071	6.6134	193.0561	0.791
Sotano	65	39	Dis. Y	LinRespSpec	Max	3.8798	61.4987	23.7639	160.9096	11.2701	1.4273
Sotano	65	39	Lr	LinStatic		0.0152	-0.1556	15.3932	0.3654	-0.0138	-0.0042
Sotano	65	39	Ez	LinStatic		0.494	-1.838	1.884	5.3133	1.8435	-0.004
Sotano	65	39	C1	Combination		-24.2976	-9.4102	864.3017	24.7278	-17.4495	0.1157
Sotano	65	39	C2	Combination		-45.2993	-10.7302	1076.0526	28.0527	-36.2225	0.1308
Sotano	65	39	C2.1	Combination		-45.2858	-10.8102	1083.7002	28.2361	-36.2359	0.1284
Sotano	65	39	C3	Combination		-36.1024	-9.9314	970.1629	25.9516	-28.2656	0.1135
Sotano	65	39	C4	Combination		-36.1192	-9.7603	953.2304	25.5496	-28.2504	0.1181
Sotano	65	39	C5	Combination	Max	29.0888	9.5141	1044.054	85.5665	170.0371	1.3354
Sotano	65	39	C5	Combination	Min	-100.3543	-32.5551	850.7814	-24.206	-222.8372	-1.1029
Sotano	65	39	C5.1	Combination	Max	-12.6857	50.7537	998.0338	193.5738	42.7869	1.7809
Sotano	65	39	C5.1	Combination	Min	-58.5799	-73.7947	896.8017	-132.2134	-95.587	-1.5483
Sotano	65	39	C6	Combination		-15.6199	-6.0494	555.6225	15.8964	-11.2175	0.0744
Sotano	65	39	C7	Combination	Max	49.5957	13.1472	654.1428	76.096	187.0631	1.2896
Sotano	65	39	C7	Combination	Min	-79.8475	-28.9221	460.8701	-33.6766	-205.8112	-1.1488
Sotano	65	39	C7.1	Combination	Max	7.8212	54.3867	608.1225	184.1033	59.8129	1.735
Sotano	65	39	C7.1	Combination	Min	-38.073	-70.1616	506.8904	-141.6839	-78.561	-1.5942
Sotano	65	39	S1	Combination		-17.3554	-6.7216	617.3583	17.6627	-12.4639	0.0826
Sotano	65	39	S2	Combination		-32.6557	-8.3381	822.0621	21.8344	-25.7508	0.1037
Sotano	65	39	S4	Combination		-28.8192	-8.0507	782.4311	21.0655	-22.4394	0.0953
Sotano	65	39	S6	Combination	Max	27.9497	8.0027	685.0037	56.0831	125.0421	0.9361
Sotano	65	39	S6	Combination	Min	-62.6605	-21.4458	549.7129	-20.7577	-149.9699	-0.7708
Sotano	65	39	S6.1	Combination	Max	-1.2925	36.8703	652.7896	131.6882	35.9669	1.2479
Sotano	65	39	S6.1	Combination	Min	-33.4184	-50.3135	581.9271	-96.3628	-60.8948	-1.0826
Sotano	65	39	S8	Combination	Max	5.1596	2.9925	833.1651	49.8808	80.6901	0.7354
Sotano	65	39	S8	Combination	Min	-62.798	-19.0939	731.697	-7.7498	-125.5689	-0.5448
Sotano	65	39	S8.1	Combination	Max	-16.772	24.6432	809.0045	106.5847	13.8838	0.9692
Sotano	65	39	S8.1	Combination	Min	-40.8664	-40.7446	755.8576	-64.4536	-58.7625	-0.7786
Sotano	65	39	S10	Combination	Max	34.8918	10.6913	438.0604	49.018	130.0276	0.903
Sotano	65	39	S10	Combination	Min	-55.7183	-18.7572	302.7696	-27.8228	-144.9844	-0.8038
Sotano	65	39	S10.1	Combination	Max	5.6497	39.559	405.8462	124.6231	40.9525	1.2148
Sotano	65	39	S10.1	Combination	Min	-26.4762	-47.6249	334.9838	-103.4279	-55.9092	-1.1156
Sotano	65	39	Envol	Combination	Max	49.5957	54.3867	1083.7002	193.5738	187.0631	1.7809

Table 1.5 - Joint Reactions (continued)

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX kN	FY kN	FZ kN	MX kN-m	MY kN-m	MZ kN-m
Sotano	65	39	Envol	Combination	Min	-100.3543	-73.7947	460.8701	-141.6839	-222.8372	-1.5942
Sotano	65	39	EnvolS	Combination	Max	34.8918	39.559	833.1651	131.6882	130.0276	1.2479
Sotano	65	39	EnvolS	Combination	Min	-62.798	-50.3135	302.7696	-103.4279	-149.9699	-1.1156
Sotano	65	39	S3	Combination		-17.3402	-6.8772	632.7515	18.0281	-12.4777	0.0784
Sotano	65	39	C4.1	Combination		-36.1056	-9.8403	960.878	25.733	-28.2638	0.1158
Sotano	65	39	C3.1	Combination		-36.0591	-10.1875	994.6352	26.5384	-28.3084	0.1059
Sotano	66	41	Pp	LinStatic		-0.9023	-2.8128	227.0344	7.9007	0.4962	0.0004
Sotano	66	41	L	LinStatic		-2.5799	-1.4401	88.3438	3.9234	-1.5236	0.0211
Sotano	66	41	D	LinStatic		-7.7788	-3.3595	227.0023	8.923	-4.9385	0.0822
Sotano	66	41	Sismo X	LinStatic		-278.2828	24.0427	594.9635	-58.8915	-969.3034	4.8981
Sotano	66	41	Sismo Y	LinStatic		-3.9578	-363.9784	138.6758	949.1507	-11.6335	-1.1907
Sotano	66	41	Le	LinStatic		-0.0554	-0.3468	14.1796	0.7964	-0.1308	-0.009
Sotano	66	41	Der X	LinRespSpec	Max	235.9873	20.4893	526.48	51.7319	828.1631	3.595
Sotano	66	41	Der Y	LinRespSpec	Max	14.7214	272.1827	92.5022	711.5927	48.508	6.4874
Sotano	66	41	Dis. X	LinRespSpec	Max	51.9214	4.508	115.835	11.3819	182.2106	0.791
Sotano	66	41	Dis. Y	LinRespSpec	Max	3.239	59.885	20.3521	156.563	10.6726	1.4273
Sotano	66	41	Lr	LinStatic		-0.0299	-0.1735	7.0115	0.3986	-0.0554	-0.0042
Sotano	66	41	Ez	LinStatic		1.1285	-1.8407	8.7296	5.3312	2.4302	-0.004
Sotano	66	41	C1	Combination		-12.1536	-8.6412	635.6513	23.5532	-6.2192	0.1157
Sotano	66	41	C2	Combination		-14.5601	-9.7977	689.6998	26.6653	-7.7963	0.1308
Sotano	66	41	C2.1	Combination		-14.5729	-9.8843	693.2839	26.8641	-7.834	0.1284
Sotano	66	41	C3	Combination		-13.045	-9.1245	644.4061	24.7497	-6.9431	0.1135
Sotano	66	41	C4	Combination		-13.0122	-8.9336	636.6935	24.3112	-6.8821	0.1181
Sotano	66	41	C5	Combination	Max	41.0243	11.786	763.858	87.794	180.9882	1.3354
Sotano	66	41	C5	Combination	Min	-64.7619	-33.161	519.9768	-28.9077	-189.8365	-1.1029
Sotano	66	41	C5.1	Combination	Max	6.9466	50.5499	697.02	189.4207	60.9116	1.7809
Sotano	66	41	C5.1	Combination	Min	-30.6842	-71.9249	586.8148	-130.5344	-69.76	-1.5483
Sotano	66	41	C6	Combination		-7.813	-5.5551	408.633	15.1414	-3.9981	0.0744
Sotano	66	41	C7	Combination	Max	46.2086	15.0777	539.3032	78.8234	183.8445	1.2896
Sotano	66	41	C7	Combination	Min	-59.5776	-29.8693	295.422	-37.8782	-186.9802	-1.1488
Sotano	66	41	C7.1	Combination	Max	12.1309	53.8416	472.4652	180.4501	63.768	1.735
Sotano	66	41	C7.1	Combination	Min	-25.4999	-68.6332	362.26	-139.505	-66.9037	-1.5942
Sotano	66	41	S1	Combination		-8.6811	-6.1723	454.0367	16.8237	-4.4423	0.0826
Sotano	66	41	S2	Combination		-11.261	-7.6124	542.3805	20.7471	-5.9659	0.1037
Sotano	66	41	S4	Combination		-10.6385	-7.3825	525.5531	20.0653	-5.6266	0.0953
Sotano	66	41	S6	Combination	Max	28.344	9.5591	539.3951	57.6693	125.3464	0.9361
Sotano	66	41	S6	Combination	Min	-45.7063	-21.9038	368.6782	-24.0219	-134.231	-0.7708
Sotano	66	41	S6.1	Combination	Max	4.4896	36.6939	492.6085	128.808	41.2928	1.2479
Sotano	66	41	S6.1	Combination	Min	-21.8519	-49.0385	415.4649	-95.1606	-50.1774	-1.0826
Sotano	66	41	S8	Combination	Max	17.1304	4.4161	589.5719	50.6995	91.7149	0.7354
Sotano	66	41	S8	Combination	Min	-38.4073	-19.1811	461.5343	-10.5689	-102.9681	-0.5448
Sotano	66	41	S8.1	Combination	Max	-0.7604	24.7671	554.482	104.0535	28.6747	0.9692
Sotano	66	41	S8.1	Combination	Min	-20.5165	-39.5322	496.6243	-63.9229	-39.9279	-0.7786
Sotano	66	41	S10	Combination	Max	31.8165	12.0281	357.7804	50.9398	127.1233	0.903
Sotano	66	41	S10	Combination	Min	-42.2338	-19.4348	187.0636	-30.7513	-132.4541	-0.8038
Sotano	66	41	S10.1	Combination	Max	7.9621	39.1628	310.9938	122.0785	43.0697	1.2148

Table 1.5 - Joint Reactions (continued)

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX kN	FY kN	FZ kN	MX kN-m	MY kN-m	MZ kN-m
Sotano	66	41	S10.1	Combination	Min	-18.3794	-46.5696	233.8502	-101.89	-48.4004	-1.1156
Sotano	66	41	Envol	Combination	Max	46.2086	53.8416	763.858	189.4207	183.8445	1.7809
Sotano	66	41	Envol	Combination	Min	-64.7619	-71.9249	295.422	-139.505	-189.8365	-1.5942
Sotano	66	41	EnvolS	Combination	Max	31.8165	39.1628	589.5719	128.808	127.1233	1.2479
Sotano	66	41	EnvolS	Combination	Min	-45.7063	-49.0385	187.0636	-101.89	-134.231	-1.1156
Sotano	66	41	S3	Combination		-8.711	-6.3458	461.0481	17.2224	-4.4977	0.0784
Sotano	66	41	C4.1	Combination		-13.025	-9.0203	640.2776	24.5101	-6.9198	0.1158
Sotano	66	41	C3.1	Combination		-13.0859	-9.4018	655.8751	25.3861	-7.0637	0.1059
Sotano	77	27	Pp	LinStatic		0.4287	-1.7006	307.9146	6.8588	1.7247	0.0004
Sotano	77	27	L	LinStatic		2.4558	-2.0684	127.5933	4.8272	3.0149	0.0211
Sotano	77	27	D	LinStatic		7.7561	-5.3358	382.3131	12.0006	8.9664	0.0822
Sotano	77	27	Sismo X	LinStatic		-294.7841	-21.871	-670.0533	56.7612	-1012.0339	4.8981
Sotano	77	27	Sismo Y	LinStatic		-0.9193	-321.862	271.0754	891.8558	-2.1454	-1.1907
Sotano	77	27	Le	LinStatic		0.1768	-0.226	14.8714	0.5501	0.1341	-0.009
Sotano	77	27	Der X	LinRespSpec	Max	237.6437	14.7279	577.3747	34.8825	824.9131	3.595
Sotano	77	27	Der Y	LinRespSpec	Max	2.7718	276.3326	236.8629	769.1766	6.621	6.4874
Sotano	77	27	Dis. X	LinRespSpec	Max	52.2858	3.2404	127.0327	7.6748	181.4955	0.791
Sotano	77	27	Dis. Y	LinRespSpec	Max	0.6099	60.7981	52.114	169.2324	1.4567	1.4273
Sotano	77	27	Lr	LinStatic		0.0651	-0.1694	25.9841	0.3326	0.056	-0.0042
Sotano	77	27	Ez	LinStatic		-2.2777	-1.687	37.6034	5.1276	-0.6974	-0.004
Sotano	77	27	C1	Combination		11.4587	-9.851	966.3188	26.4032	14.9675	0.1157
Sotano	77	27	C2	Combination		13.7836	-11.8379	1045.4146	30.5211	17.6812	0.1308
Sotano	77	27	C2.1	Combination		13.8394	-11.8662	1039.8583	30.6298	17.7203	0.1284
Sotano	77	27	C3	Combination		12.3817	-10.7832	997.4411	27.9906	15.9339	0.1135
Sotano	77	27	C4	Combination		12.3101	-10.5968	968.8586	27.6248	15.8722	0.1181
Sotano	77	27	C5	Combination	Max	62.4686	9.2807	1136.1369	91.0306	197.0794	1.3354
Sotano	77	27	C5	Combination	Min	-42.469	-33.6789	850.8031	-25.8584	-166.7858	-1.1029
Sotano	77	27	C5.1	Combination	Max	26.2954	49.5711	1083.6939	204.121	71.0522	1.7809
Sotano	77	27	C5.1	Combination	Min	-6.2958	-73.9693	903.2462	-138.9487	-40.7586	-1.5483
Sotano	77	27	C6	Combination		7.3663	-6.3328	621.205	16.9735	9.622	0.0744
Sotano	77	27	C7	Combination	Max	57.5574	13.46	801.4753	80.5456	190.8571	1.2896
Sotano	77	27	C7	Combination	Min	-47.3802	-29.4996	516.1415	-36.3433	-173.008	-1.1488
Sotano	77	27	C7.1	Combination	Max	21.3842	53.7504	749.0322	193.636	64.8299	1.735
Sotano	77	27	C7.1	Combination	Min	-11.207	-69.79	568.5846	-149.4337	-46.9809	-1.5942
Sotano	77	27	S1	Combination		8.1848	-7.0365	690.2277	18.8595	10.6911	0.0826
Sotano	77	27	S2	Combination		10.6406	-9.1048	817.821	23.6866	13.706	0.1037
Sotano	77	27	S4	Combination		10.0755	-8.7148	805.4108	22.7292	12.9943	0.0953
Sotano	77	27	S6	Combination	Max	44.913	7.9994	790.0946	59.7706	138.0439	0.9361
Sotano	77	27	S6	Combination	Min	-28.5433	-22.0723	590.3609	-22.0517	-116.6617	-0.7708
Sotano	77	27	S6.1	Combination	Max	19.5917	36.2027	753.3844	138.9339	49.8249	1.2479
Sotano	77	27	S6.1	Combination	Min	-3.2221	-50.2756	627.071	-101.215	-28.4427	-1.0826
Sotano	77	27	S8	Combination	Max	37.6216	2.5621	880.3109	53.4126	108.5089	0.7354
Sotano	77	27	S8	Combination	Min	-17.4706	-19.9917	730.5106	-7.9541	-82.5203	-0.5448
Sotano	77	27	S8.1	Combination	Max	18.6307	23.7145	852.7783	112.785	42.3446	0.9692
Sotano	77	27	S8.1	Combination	Min	1.5203	-41.1441	758.0433	-67.3266	-16.356	-0.7786
Sotano	77	27	S10	Combination	Max	41.639	10.814	514.0035	52.2268	133.7674	0.903
Sotano	77	27	S10	Combination	Min	-31.8173	-19.2577	314.2698	-29.5955	-120.9382	-0.8038

Table 1.5 - Joint Reactions (continued)

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX kN	FY kN	FZ kN	MX kN-m	MY kN-m	MZ kN-m
Sotano	77	27	S10.1	Combination	Max	16.3178	39.0173	477.2933	131.3901	45.5484	1.2148
Sotano	77	27	S10.1	Combination	Min	-6.496	-47.461	350.98	-108.7587	-32.7191	-1.1156
Sotano	77	27	Envol	Combination	Max	62.4686	53.7504	1136.1369	204.121	197.0794	1.7809
Sotano	77	27	Envol	Combination	Min	-47.3802	-73.9693	516.1415	-149.4337	-173.008	-1.5942
Sotano	77	27	EnvolS	Combination	Max	44.913	39.0173	880.3109	138.9339	138.0439	1.2479
Sotano	77	27	EnvolS	Combination	Min	-31.8173	-50.2756	314.2698	-108.7587	-120.9382	-1.1156
Sotano	77	27	S3	Combination		8.2499	-7.2059	716.2118	19.192	10.7471	0.0784
Sotano	77	27	C4.1	Combination		12.366	-10.6251	963.3023	27.7335	15.9113	0.1158
Sotano	77	27	C3.1	Combination		12.5605	-10.8737	979.6608	28.3386	16.0588	0.1059
Sotano	79	29	Pp	LinStatic		8.9664	-2.2026	387.8063	7.3303	9.62	0.0004
Sotano	79	29	L	LinStatic		22.5516	-2.5779	245.5722	5.2283	21.5987	0.0211
Sotano	79	29	D	LinStatic		18.2956	-6.0636	418.9508	12.3779	18.7129	0.0822
Sotano	79	29	Sismo X	LinStatic		-356.8247	-10.5539	638.4039	27.6989	-1069.4064	4.8981
Sotano	79	29	Sismo Y	LinStatic		-0.4593	-325.0764	284.7003	899.3575	-1.7201	-1.1907
Sotano	79	29	Le	LinStatic		-0.1385	-0.2898	44.0723	0.6439	-0.1575	-0.009
Sotano	79	29	Der X	LinRespSpec	Max	288.3953	7.161	532.2918	15.6835	872.2405	3.595
Sotano	79	29	Der Y	LinRespSpec	Max	2.9976	269.0046	240.642	747.3921	6.829	6.4874
Sotano	79	29	Dis. X	LinRespSpec	Max	63.4521	1.5755	117.1137	3.4506	191.9084	0.791
Sotano	79	29	Dis. Y	LinRespSpec	Max	0.6595	59.1858	52.9455	164.4395	1.5025	1.4273
Sotano	79	29	Lr	LinStatic		-0.0494	-0.2106	39.554	0.3872	-0.0499	-0.0042
Sotano	79	29	Ez	LinStatic		0.5475	-1.6527	-1.4541	5.1102	1.9152	-0.004
Sotano	79	29	C1	Combination		38.1668	-11.5726	1129.46	27.5915	39.666	0.1157
Sotano	79	29	C2	Combination		68.7723	-14.1493	1380.8011	32.2087	68.5324	0.1308
Sotano	79	29	C2.1	Combination		68.7277	-14.1889	1383.0602	32.3371	68.4786	0.1284
Sotano	79	29	C3	Combination		55.187	-12.8343	1276.9671	29.4977	55.5183	0.1135
Sotano	79	29	C4	Combination		55.2413	-12.6025	1233.4577	29.0718	55.5732	0.1181
Sotano	79	29	C5	Combination	Max	119.4635	5.1813	1345.224	86.7709	249.8725	1.3354
Sotano	79	29	C5	Combination	Min	-7.8365	-33.4812	1079.2294	-18.7941	-134.8458	-1.1029
Sotano	79	29	C5.1	Combination	Max	75.5087	45.5085	1300.3063	199.4631	116.5883	1.7809
Sotano	79	29	C5.1	Combination	Min	36.1183	-73.8084	1124.1471	-131.4863	-1.5617	-1.5483
Sotano	79	29	C6	Combination		24.5358	-7.4395	726.0814	17.7374	25.4996	0.0744
Sotano	79	29	C7	Combination	Max	88.7332	10.2391	857.6246	75.6302	219.7739	1.2896
Sotano	79	29	C7	Combination	Min	-38.5667	-28.4235	591.63	-29.9348	-164.9444	-1.1488
Sotano	79	29	C7.1	Combination	Max	44.7784	50.5662	812.7069	188.3223	86.4898	1.735
Sotano	79	29	C7.1	Combination	Min	5.3881	-68.7506	636.5478	-142.627	-31.6603	-1.5942
Sotano	79	29	S1	Combination		27.262	-8.2661	806.7571	19.7082	28.3328	0.0826
Sotano	79	29	S2	Combination		49.8136	-10.844	1052.3293	24.9365	49.9316	0.1037
Sotano	79	29	S4	Combination		44.1387	-10.3575	1020.6017	23.9199	44.4945	0.0953
Sotano	79	29	S6	Combination	Max	71.817	5.2658	899.8552	56.656	162.9843	0.9361
Sotano	79	29	S6	Combination	Min	-17.293	-21.798	713.659	-17.2395	-106.3186	-0.7708
Sotano	79	29	S6.1	Combination	Max	41.0486	33.4948	868.4128	135.5405	69.6854	1.2479
Sotano	79	29	S6.1	Combination	Min	13.4754	-50.027	745.1014	-96.124	-13.0197	-1.0826
Sotano	79	29	S8	Combination	Max	77.5549	-0.2086	1090.4253	51.6307	145.483	0.7354
Sotano	79	29	S8	Combination	Min	10.7224	-20.5064	950.7782	-3.7909	-56.4941	-0.5448
Sotano	79	29	S8.1	Combination	Max	54.4786	20.9632	1066.8435	110.7941	75.5088	0.9692

Table 1.5 - Joint Reactions (continued)

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX kN	FY kN	FZ kN	MX kN-m	MY kN-m	MZ kN-m
Sotano	79	29	S8.1	Combination	Min	33.7987	-41.6782	974.36	-62.9543	13.4801	-0.7786
Sotano	79	29	S10	Combination	Max	60.9122	8.5722	577.1524	48.7727	151.6511	0.903
Sotano	79	29	S10	Combination	Min	-28.1978	-18.4916	390.9562	-25.1228	-117.6517	-0.8038
Sotano	79	29	S10.1	Combination	Max	30.1438	36.8012	545.71	127.6572	58.3522	1.2148
Sotano	79	29	S10.1	Combination	Min	2.5706	-46.7206	422.3986	-104.0073	-24.3528	-1.1156
Sotano	79	29	Envol	Combination	Max	119.4635	50.5662	1383.0602	199.4631	249.8725	1.7809
Sotano	79	29	Envol	Combination	Min	-38.5667	-73.8084	591.63	-142.627	-164.9444	-1.5942
Sotano	79	29	EnvolS	Combination	Max	77.5549	36.8012	1090.4253	135.5405	162.9843	1.2479
Sotano	79	29	EnvolS	Combination	Min	-28.1978	-50.027	390.9562	-104.0073	-117.6517	-1.1156
Sotano	79	29	S3	Combination		27.2126	-8.4768	846.3111	20.0955	28.2829	0.0784
Sotano	79	29	C4.1	Combination		55.1968	-12.6421	1235.7169	29.2001	55.5194	0.1158
Sotano	79	29	C3.1	Combination		55.0444	-12.9609	1284.1965	29.9084	55.3461	0.1059
Sotano	82	31	Pp	LinStatic		-6.6063	2.3179	404.9074	3.0659	-4.781	0.0004
Sotano	82	31	L	LinStatic		-22.4342	1.5517	255.7836	1.1851	-20.0022	0.0211
Sotano	82	31	D	LinStatic		-21.3937	2.3818	359.7842	3.8305	-17.9901	0.0822
Sotano	82	31	Sismo X	LinStatic		-355.0833	10.3172	-578.1021	-26.9163	-1067.7959	4.8981
Sotano	82	31	Sismo Y	LinStatic		-0.7135	-329.98	273.5109	912.4741	-1.9551	-1.1907
Sotano	82	31	Le	LinStatic		-0.1046	-0.2774	45.1915	0.6961	-0.1261	-0.009
Sotano	82	31	Der X	LinRespSpec	Max	286.7897	10.7893	477.3979	29.1224	870.8071	3.595
Sotano	82	31	Der Y	LinRespSpec	Max	3.3147	255.5545	214.4649	708.6678	7.109	6.4874
Sotano	82	31	Dis. X	LinRespSpec	Max	63.0988	2.3738	105.036	6.4074	191.593	0.791
Sotano	82	31	Dis. Y	LinRespSpec	Max	0.7293	56.2265	47.1861	155.9194	1.5641	1.4273
Sotano	82	31	Lr	LinStatic		-0.0563	-0.1382	22.6582	0.3489	-0.0562	-0.0042
Sotano	82	31	Ez	LinStatic		0.5168	-1.6419	2.7404	5.1284	1.8868	-0.004
Sotano	82	31	C1	Combination		-39.2001	6.5795	1070.5683	9.655	-31.8796	0.1157
Sotano	82	31	C2	Combination		-69.5228	8.0532	1338.2127	10.3464	-59.357	0.1308
Sotano	82	31	C2.1	Combination		-69.547	7.9836	1349.4794	10.5199	-59.3919	0.1284
Sotano	82	31	C3	Combination		-56.1242	6.9703	1209.6666	10.0191	-47.4175	0.1135
Sotano	82	31	C4	Combination		-56.0623	7.1222	1184.7426	9.6353	-47.3557	0.1181
Sotano	82	31	C5	Combination	Max	7.8002	24.7911	1295.3457	67.7725	146.6215	1.3354
Sotano	82	31	C5	Combination	Min	-118.8351	-13.6924	1056.962	-38.594	-237.503	-1.1029
Sotano	82	31	C5.1	Combination	Max	-35.8585	62.488	1254.8507	172.4309	13.6013	1.7809
Sotano	82	31	C5.1	Combination	Min	-75.1764	-51.3893	1097.457	-143.2524	-104.4828	-1.5483
Sotano	82	31	C6	Combination		-25.2	4.2297	688.2225	6.2068	-20.494	0.0744
Sotano	82	31	C7	Combination	Max	38.6343	21.8296	810.1547	64.5185	173.4551	1.2896
Sotano	82	31	C7	Combination	Min	-88.0009	-16.654	571.771	-41.8481	-210.6695	-1.1488
Sotano	82	31	C7.1	Combination	Max	-5.0243	59.5264	769.6597	169.1769	40.4348	1.735
Sotano	82	31	C7.1	Combination	Min	-44.3422	-54.3509	612.2659	-146.5065	-77.6492	-1.5942
Sotano	82	31	S1	Combination		-28	4.6997	764.6916	6.8964	-22.7711	0.0826
Sotano	82	31	S2	Combination		-50.4342	6.2514	1020.4752	8.0815	-42.7733	0.1037
Sotano	82	31	S4	Combination		-44.8679	5.7598	973.5229	8.047	-37.815	0.0953
Sotano	82	31	S6	Combination	Max	16.3223	18.1689	848.1259	44.1247	111.6725	0.9361
Sotano	82	31	S6	Combination	Min	-72.3224	-8.7696	681.2573	-30.3319	-157.2147	-0.7708
Sotano	82	31	S6.1	Combination	Max	-14.2388	44.5567	819.7794	117.3856	18.5583	1.2479

Table 1.5 - Joint Reactions (continued)

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX kN	FY kN	FZ kN	MX kN-m	MY kN-m	MZ kN-m
Sotano	82	31	S6.1	Combination	Min	-41.7613	-35.1574	709.6038	-103.5928	-64.1005	-1.0826
Sotano	82	31	S8	Combination	Max	-11.6261	15.8618	1036.0987	35.9682	63.0177	0.7354
Sotano	82	31	S8	Combination	Min	-78.1096	-4.3421	910.9472	-19.8743	-138.6477	-0.5448
Sotano	82	31	S8.1	Combination	Max	-34.5469	35.6526	1014.8388	90.9138	-6.8179	0.9692
Sotano	82	31	S8.1	Combination	Min	-55.1888	-24.133	932.2071	-74.8199	-68.812	-0.7786
Sotano	82	31	S10	Combination	Max	27.5223	16.2891	542.2493	41.3661	120.7809	0.903
Sotano	82	31	S10	Combination	Min	-61.1224	-10.6494	375.3807	-33.0905	-148.1063	-0.8038
Sotano	82	31	S10.1	Combination	Max	-3.0388	42.6769	513.9028	114.627	27.6667	1.2148
Sotano	82	31	S10.1	Combination	Min	-30.5613	-37.0372	403.7272	-106.3513	-54.9921	-1.1156
Sotano	82	31	Envol	Combination	Max	38.6343	62.488	1349.4794	172.4309	173.4551	1.7809
Sotano	82	31	Envol	Combination	Min	-118.8351	-54.3509	571.771	-146.5065	-237.503	-1.5942
Sotano	82	31	EnvolS	Combination	Max	27.5223	44.5567	1036.0987	117.3856	120.7809	1.2479
Sotano	82	31	EnvolS	Combination	Min	-78.1096	-37.0372	375.3807	-106.3513	-157.2147	-1.1156
Sotano	82	31	S3	Combination		-28.0563	4.5615	787.3498	7.2453	-22.8274	0.0784
Sotano	82	31	C4.1	Combination		-56.0865	7.0526	1196.0093	9.8089	-47.3906	0.1158
Sotano	82	31	C3.1	Combination		-56.2016	6.7475	1245.72	10.5745	-47.5293	0.1059
Sotano	84	33	Pp	LinStatic		-2.9161	1.1935	256.3887	4.1242	-1.3685	0.0004
Sotano	84	33	L	LinStatic		-2.1904	1.2476	87.5415	1.3898	-1.2817	0.0211
Sotano	84	33	D	LinStatic		-5.1363	2.2612	210.4697	3.6246	-2.956	0.0822
Sotano	84	33	Sismo X	LinStatic		-292.2968	22.3143	612.8111	-57.2622	-1009.7338	4.8981
Sotano	84	33	Sismo Y	LinStatic		-0.6049	-333.1198	276.6574	920.0617	-1.8547	-1.1907
Sotano	84	33	Le	LinStatic		-0.2989	-0.3254	16.1792	0.7761	-0.3058	-0.009
Sotano	84	33	Der X	LinRespSpec	Max	235.4346	18.8921	532.5174	50.1681	822.928	3.595
Sotano	84	33	Der Y	LinRespSpec	Max	3.072	248.9728	209.9563	689.6279	6.8588	6.4874
Sotano	84	33	Dis. X	LinRespSpec	Max	51.7998	4.1566	117.1633	11.0379	181.0588	0.791
Sotano	84	33	Dis. Y	LinRespSpec	Max	0.6759	54.7784	46.1941	151.7303	1.5091	1.4273
Sotano	84	33	Lr	LinStatic		-0.1473	-0.163	8.0633	0.3887	-0.1404	-0.0042
Sotano	84	33	Ez	LinStatic		1.1528	-1.641	9.9346	5.143	2.475	-0.004
Sotano	84	33	C1	Combination		-11.2734	4.8365	653.6018	10.8484	-6.0542	0.1157
Sotano	84	33	C2	Combination		-13.2413	6.0603	704.3281	11.7167	-7.3102	0.1308
Sotano	84	33	C2.1	Combination		-13.3171	5.9791	708.386	11.9104	-7.3929	0.1284
Sotano	84	33	C3	Combination		-12.0891	5.1324	660.6728	11.3103	-6.6957	0.1135
Sotano	84	33	C4	Combination		-11.927	5.3117	651.8032	10.8828	-6.5412	0.1181
Sotano	84	33	C5	Combination	Max	41.302	24.3424	788.7277	72.3884	177.5155	1.3354
Sotano	84	33	C5	Combination	Min	-62.7031	-16.8379	526.6846	-40.7256	-185.5075	-1.1029
Sotano	84	33	C5.1	Combination	Max	5.5153	59.7776	739.0492	170.8731	51.8307	1.7809
Sotano	84	33	C5.1	Combination	Min	-26.9164	-52.2731	576.3631	-139.2103	-59.8227	-1.5483
Sotano	84	33	C6	Combination		-7.2472	3.1092	420.1726	6.9739	-3.892	0.0744
Sotano	84	33	C7	Combination	Max	45.9081	22.0583	561.1287	68.6739	180.0945	1.2896
Sotano	84	33	C7	Combination	Min	-58.097	-19.1219	299.0856	-44.4401	-182.9286	-1.1488
Sotano	84	33	C7.1	Combination	Max	10.1214	57.4936	511.4503	167.1586	54.4097	1.735
Sotano	84	33	C7.1	Combination	Min	-22.3102	-54.5572	348.7641	-142.9248	-57.2437	-1.5942
Sotano	84	33	S1	Combination		-8.0524	3.4546	466.8584	7.7488	-4.3245	0.0826

Table 1.5 - Joint Reactions (continued)

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX kN	FY kN	FZ kN	MX kN-m	MY kN-m	MZ kN-m
Sotano	84	33	S2	Combination		-10.2429	4.7023	554.3998	9.1386	-5.6061	0.1037
Sotano	84	33	S4	Combination		-9.8058	4.2681	538.562	9.0827	-5.391	0.0953
Sotano	84	33	S6	Combination	Max	28.3493	17.8677	558.5735	47.3387	122.7336	0.9361
Sotano	84	33	S6	Combination	Min	-44.4542	-10.9584	375.1433	-31.8411	-131.3825	-0.7708
Sotano	84	33	S6.1	Combination	Max	3.2986	42.6724	523.7986	116.278	34.7542	1.2479
Sotano	84	33	S6.1	Combination	Min	-19.4035	-35.7631	409.9182	-100.7804	-43.4031	-1.0826
Sotano	84	33	S8	Combination	Max	17.4956	15.078	607.3483	38.7751	89.9025	0.7354
Sotano	84	33	S8	Combination	Min	-37.1071	-6.5417	469.7757	-20.6097	-100.6846	-0.5448
Sotano	84	33	S8.1	Combination	Max	-1.2925	33.6815	581.2671	90.4796	23.918	0.9692
Sotano	84	33	S8.1	Combination	Min	-18.3191	-25.1452	495.8568	-72.3142	-34.7001	-0.7786
Sotano	84	33	S10	Combination	Max	31.5703	16.4859	371.8301	44.2392	124.4634	0.903
Sotano	84	33	S10	Combination	Min	-41.2333	-12.3403	188.4	-34.9406	-129.6527	-0.8038
Sotano	84	33	S10.1	Combination	Max	6.5196	41.2906	337.0552	113.1785	36.484	1.2148
Sotano	84	33	S10.1	Combination	Min	-16.1825	-37.145	223.1749	-103.8799	-41.6734	-1.1156
Sotano	84	33	Envol	Combination	Max	45.9081	59.7776	788.7277	170.8731	180.0945	1.7809
Sotano	84	33	Envol	Combination	Min	-62.7031	-54.5572	299.0856	-142.9248	-185.5075	-1.5942
Sotano	84	33	EnvolS	Combination	Max	31.5703	42.6724	607.3483	116.278	124.4634	1.2479
Sotano	84	33	EnvolS	Combination	Min	-44.4542	-37.145	188.4	-103.8799	-131.3825	-1.1156
Sotano	84	33	S3	Combination		-8.1998	3.2917	474.9217	8.1375	-4.4649	0.0784
Sotano	84	33	C4.1	Combination		-12.0028	5.2305	655.8611	11.0765	-6.6239	0.1158
Sotano	84	33	C3.1	Combination		-12.3316	4.8727	673.6583	11.9302	-6.9602	0.1059
Sotano	104	17	Pp	LinStatic		0.4832	-3.2939	265.0893	8.3607	1.7712	0.0004
Sotano	104	17	L	LinStatic		2.8356	-0.689	118.5029	3.5269	3.1835	0.0211
Sotano	104	17	D	LinStatic		8.4508	-1.9189	323.8033	8.7796	8.8964	0.0822
Sotano	104	17	Sismo X	LinStatic		-315.8119	-21.3533	-727.7937	56.2732	-1073.929	4.8981
Sotano	104	17	Sismo Y	LinStatic		4.1734	-316.5964	-191.7646	886.8922	12.8836	-1.1907
Sotano	104	17	Le	LinStatic		0.3216	-0.1034	10.2129	0.4345	0.3457	-0.009
Sotano	104	17	Der X	LinRespSpec	Max	237.3517	14.5497	574.3296	34.7162	818.406	3.595
Sotano	104	17	Der Y	LinRespSpec	Max	24.7062	271.7786	206.7117	764.8654	80.7702	6.4874
Sotano	104	17	Dis. X	LinRespSpec	Max	52.2216	3.2012	126.3627	7.6382	180.0639	0.791
Sotano	104	17	Dis. Y	LinRespSpec	Max	5.4358	59.7961	45.4802	168.2839	17.7709	1.4273
Sotano	104	17	Lr	LinStatic		0.1565	0.0131	16.4706	0.1605	0.177	-0.0042
Sotano	104	17	Ez	LinStatic		-2.1521	-1.5831	20.4625	5.0297	-0.5468	-0.004
Sotano	104	17	C1	Combination		12.5076	-7.2979	824.4497	23.9965	14.9347	0.1157
Sotano	104	17	C2	Combination		15.336	-7.3512	904.5112	26.2917	17.9833	0.1308
Sotano	104	17	C2.1	Combination		15.4186	-7.4095	901.3823	26.4287	18.0676	0.1284
Sotano	104	17	C3	Combination		13.8068	-6.9233	851.5271	24.3521	16.2679	0.1135
Sotano	104	17	C4	Combination		13.6347	-6.9378	833.4094	24.1755	16.0732	0.1181
Sotano	104	17	C5	Combination	Max	65.2567	12.6126	985.6434	87.2484	200.833	1.3354
Sotano	104	17	C5	Combination	Min	-42.448	-29.6675	705.6298	-28.9983	-169.9572	-1.1029
Sotano	104	17	C5.1	Combination	Max	32.5066	52.229	929.0256	199.7004	87.2279	1.7809
Sotano	104	17	C5.1	Combination	Min	-9.6979	-69.2839	762.2476	-141.4503	-56.3521	-1.5483
Sotano	104	17	C6	Combination		8.0406	-4.6915	530.0034	15.4263	9.6009	0.0744
Sotano	104	17	C7	Combination	Max	59.7409	14.8654	690.4726	78.5794	194.4492	1.2896

Table 1.5 - Joint Reactions (continued)

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX kN	FY kN	FZ kN	MX kN-m	MY kN-m	MZ kN-m
Sotano	104	17	C7	Combination	Min	-47.9638	-27.4147	410.4591	-37.6673	-176.3411	-1.1488
Sotano	104	17	C7.1	Combination	Max	26.9908	54.4818	633.8549	191.0314	80.8441	1.735
Sotano	104	17	C7.1	Combination	Min	-15.2137	-67.0311	467.0768	-150.1193	-62.736	-1.5942
Sotano	104	17	S1	Combination		8.934	-5.2128	588.8926	17.1404	10.6676	0.0826
Sotano	104	17	S2	Combination		11.7696	-5.9018	707.3956	20.6672	13.8512	0.1037
Sotano	104	17	S4	Combination		11.1781	-5.7197	690.1228	19.9059	13.188	0.0953
Sotano	104	17	S6	Combination	Max	46.6306	9.5852	686.8974	57.8267	140.4442	0.9361
Sotano	104	17	S6	Combination	Min	-28.7626	-20.0108	490.8879	-23.546	-119.109	-0.7708
Sotano	104	17	S6.1	Combination	Max	23.7056	37.3167	647.2649	136.5431	60.9207	1.2479
Sotano	104	17	S6.1	Combination	Min	-5.8376	-47.7423	530.5203	-102.2624	-39.5854	-1.0826
Sotano	104	17	S8	Combination	Max	39.4506	5.3788	763.6264	50.4206	110.5205	0.7354
Sotano	104	17	S8	Combination	Min	-17.0944	-16.8182	616.6192	-10.6089	-84.1444	-0.5448
Sotano	104	17	S8.1	Combination	Max	22.2568	26.1775	733.902	109.458	50.8778	0.9692
Sotano	104	17	S8.1	Combination	Min	0.0994	-37.6168	646.3436	-69.6462	-24.5017	-0.7786
Sotano	104	17	S10	Combination	Max	43.057	11.6704	451.3403	50.9706	136.1772	0.903
Sotano	104	17	S10	Combination	Min	-32.3362	-17.9257	255.3308	-30.4021	-123.376	-0.8038
Sotano	104	17	S10.1	Combination	Max	20.132	39.4019	411.7079	129.687	56.6536	1.2148
Sotano	104	17	S10.1	Combination	Min	-9.4112	-45.6572	294.9632	-109.1185	-43.8525	-1.1156
Sotano	104	17	Envol	Combination	Max	65.2567	54.4818	985.6434	199.7004	200.833	1.7809
Sotano	104	17	Envol	Combination	Min	-47.9638	-69.2839	410.4591	-150.1193	-176.3411	-1.5942
Sotano	104	17	EnvolS	Combination	Max	46.6306	39.4019	763.6264	136.5431	140.4442	1.2479
Sotano	104	17	EnvolS	Combination	Min	-32.3362	-47.7423	255.3308	-109.1185	-123.376	-1.1156
Sotano	104	17	S3	Combination		9.0905	-5.1997	605.3632	17.3009	10.8446	0.0784
Sotano	104	17	C4.1	Combination		13.7172	-6.996	830.2806	24.3126	16.1575	0.1158
Sotano	104	17	C3.1	Combination		14.071	-7.1098	841.5148	24.7906	16.5378	0.1059
Sotano	105	19	Pp	LinStatic		9.4939	-3.2886	373.5139	8.354	10.104	0.0004
Sotano	105	19	L	LinStatic		22.5917	-0.4723	251.1996	3.2434	21.4531	0.0211
Sotano	105	19	D	LinStatic		16.9024	-1.7477	419.573	8.3096	16.712	0.0822
Sotano	105	19	Sismo X	LinStatic		-380.4991	-10.7094	652.8056	27.8455	-1133.749	4.8981
Sotano	105	19	Sismo Y	LinStatic		4.8856	-319.0851	-209.9606	893.7098	13.5422	-1.1907
Sotano	105	19	Le	LinStatic		0.0365	-0.1934	46.1308	0.553	0.082	-0.009
Sotano	105	19	Der X	LinRespSpec	Max	286.8729	7.116	529.5337	15.6239	864.6811	3.595
Sotano	105	19	Der Y	LinRespSpec	Max	29.3754	264.0307	152.1024	742.6818	85.1032	6.4874
Sotano	105	19	Dis. X	LinRespSpec	Max	63.1171	1.5656	116.5068	3.4375	190.2452	0.791
Sotano	105	19	Dis. Y	LinRespSpec	Max	6.4631	58.0914	33.4652	163.4031	18.7242	1.4273
Sotano	105	19	Lr	LinStatic		0.0128	-0.0304	34.2911	0.2173	0.0441	-0.0042
Sotano	105	19	Ez	LinStatic		0.5375	-1.605	-3.5818	5.0652	1.9404	-0.004
Sotano	105	19	C1	Combination		36.9548	-7.0508	1110.3217	23.329	37.5424	0.1157
Sotano	105	19	C2	Combination		67.8286	-6.8143	1370.7692	25.2944	66.5262	0.1308
Sotano	105	19	C2.1	Combination		67.8405	-6.8958	1376.6891	25.4622	66.5451	0.1284
Sotano	105	19	C3	Combination		54.2877	-6.5644	1257.7696	23.5874	53.7029	0.1135
Sotano	105	19	C4	Combination		54.2736	-6.531	1220.0494	23.3484	53.6543	0.1181
Sotano	105	19	C5	Combination	Max	119.8607	10.8723	1325.8685	80.7634	251.4351	1.3354
Sotano	105	19	C5	Combination	Min	-10.2514	-27.1138	1072.7758	-24.1535	-140.2898	-1.1029

Table 1.5 - Joint Reactions (continued)

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX kN	FY kN	FZ kN	MX kN-m	MY kN-m	MZ kN-m
Sotano	105	19	C5.1	Combination	Max	80.2029	50.4404	1267.7394	192.7393	131.3704	1.7809
Sotano	105	19	C5.1	Combination	Min	29.4064	-66.6819	1130.9049	-136.1294	-20.2251	-1.5483
Sotano	105	19	C6	Combination		23.7567	-4.5326	713.7782	14.9972	24.1344	0.0744
Sotano	105	19	C7	Combination	Max	89.3502	12.8555	836.7429	72.521	221.9372	1.2896
Sotano	105	19	C7	Combination	Min	-40.762	-25.1307	583.6501	-32.396	-169.7877	-1.1488
Sotano	105	19	C7.1	Combination	Max	49.6924	52.4235	778.6137	184.4969	101.8725	1.735
Sotano	105	19	C7.1	Combination	Min	-1.1041	-64.6987	641.7792	-144.3719	-49.723	-1.5942
Sotano	105	19	S1	Combination		26.3963	-5.0363	793.0869	16.6636	26.816	0.0826
Sotano	105	19	S2	Combination		48.988	-5.5085	1044.2865	19.907	48.2691	0.1037
Sotano	105	19	S4	Combination		43.3496	-5.4133	1007.2049	19.2591	42.9389	0.0953
Sotano	105	19	S6	Combination	Max	71.9355	8.2589	881.6694	53.3845	163.9197	0.9361
Sotano	105	19	S6	Combination	Min	-19.143	-18.3314	704.5044	-20.0573	-110.2877	-0.7708
Sotano	105	19	S6.1	Combination	Max	44.1751	35.9565	840.979	131.7677	79.8745	1.2479
Sotano	105	19	S6.1	Combination	Min	8.6175	-46.0291	745.1948	-98.4405	-26.2424	-1.0826
Sotano	105	19	S8	Combination	Max	77.5041	4.5581	1073.6418	46.7998	145.7667	0.7354
Sotano	105	19	S8	Combination	Min	9.1952	-15.3846	940.7681	-8.2816	-59.8889	-0.5448
Sotano	105	19	S8.1	Combination	Max	56.6837	25.3313	1043.124	105.5872	82.7327	0.9692
Sotano	105	19	S8.1	Combination	Min	30.0156	-36.1578	971.2859	-67.0689	3.1451	-0.7786
Sotano	105	19	S10	Combination	Max	61.377	10.2734	564.4346	46.7191	153.1933	0.903
Sotano	105	19	S10	Combination	Min	-29.7015	-16.3169	387.2697	-26.7228	-121.0141	-0.8038
Sotano	105	19	S10.1	Combination	Max	33.6166	37.971	523.7442	125.1022	69.148	1.2148
Sotano	105	19	S10.1	Combination	Min	-1.941	-44.0145	427.9601	-105.1059	-36.9688	-1.1156
Sotano	105	19	Envol	Combination	Max	119.8607	52.4235	1376.6891	192.7393	251.4351	1.7809
Sotano	105	19	Envol	Combination	Min	-40.762	-66.6819	583.6501	-144.3719	-169.7877	-1.5942
Sotano	105	19	EnvolS	Combination	Max	77.5041	37.971	1073.6418	131.7677	163.9197	1.2479
Sotano	105	19	EnvolS	Combination	Min	-29.7015	-46.0291	387.2697	-105.1059	-121.0141	-1.1156
Sotano	105	19	S3	Combination		26.4091	-5.0667	827.378	16.8809	26.8601	0.0784
Sotano	105	19	C4.1	Combination		54.2855	-6.6125	1225.9693	23.5162	53.6733	0.1158
Sotano	105	19	C3.1	Combination		54.3256	-6.8252	1276.7133	24.1245	53.7635	0.1059
Sotano	108	21	Pp	LinStatic		-9.4572	-10.0248	395.5827	14.7009	-7.4212	0.0004
Sotano	108	21	L	LinStatic		-24.2523	-5.6007	263.6548	7.9274	-21.8662	0.0211
Sotano	108	21	D	LinStatic		-21.7392	-10.766	392.8941	16.2243	-19.022	0.0822
Sotano	108	21	Sismo X	LinStatic		-379.1946	10.2991	-588.6127	-26.8992	-1132.5426	4.8981
Sotano	108	21	Sismo Y	LinStatic		5.0761	-324.5906	-197.3144	907.3937	13.7184	-1.1907
Sotano	108	21	Le	LinStatic		-0.049	-0.2855	46.2025	0.7037	0.003	-0.009
Sotano	108	21	Der X	LinRespSpec	Max	285.7508	10.6091	477.0627	28.9416	863.7344	3.595
Sotano	108	21	Der Y	LinRespSpec	Max	29.0928	251.345	183.8572	704.6818	84.8226	6.4874
Sotano	108	21	Dis. X	LinRespSpec	Max	62.8703	2.3342	104.9623	6.3677	190.0369	0.791
Sotano	108	21	Dis. Y	LinRespSpec	Max	6.4009	55.3004	40.4518	155.0425	18.6625	1.4273
Sotano	108	21	Lr	LinStatic		-0.0255	-0.141	23.1085	0.3516	0.0087	-0.0042
Sotano	108	21	Ez	LinStatic		0.5091	-1.5947	0.061	5.0839	1.9141	-0.004
Sotano	108	21	C1	Combination		-43.6749	-29.1072	1103.8676	43.2952	-37.0205	0.1157
Sotano	108	21	C2	Combination		-76.2521	-33.9807	1379.5741	49.9699	-66.7135	0.1308
Sotano	108	21	C2.1	Combination		-76.2639	-34.053	1391.1211	50.1459	-66.7164	0.1284

Table 1.5 - Joint Reactions (continued)

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX kN	FY kN	FZ kN	MX kN-m	MY kN-m	MZ kN-m
Sotano	108	21	C3	Combination		-61.7288	-30.7754	1246.8006	45.6002	-53.5842	0.1135
Sotano	108	21	C4	Combination		-61.7007	-30.6203	1221.3813	45.2134	-53.5938	0.1181
Sotano	108	21	C5	Combination	Max	3.6117	-13.2201	1326.9859	103.0019	143.9517	1.3354
Sotano	108	21	C5	Combination	Min	-125.9694	-51.0687	1092.7902	-2.7589	-247.3196	-1.1029
Sotano	108	21	C5.1	Combination	Max	-35.9169	23.8562	1281.8286	207.0743	23.9896	1.7809
Sotano	108	21	C5.1	Combination	Min	-86.4409	-88.145	1137.9475	-106.8312	-127.3575	-1.5483
Sotano	108	21	C6	Combination		-28.0767	-18.7118	709.6292	27.8327	-23.7989	0.0744
Sotano	108	21	C7	Combination	Max	37.2229	-1.3821	826.788	85.797	173.7509	1.2896
Sotano	108	21	C7	Combination	Min	-92.3582	-39.2307	592.5924	-19.9639	-217.5204	-1.1488
Sotano	108	21	C7.1	Combination	Max	-2.3056	35.6942	781.6307	189.8693	53.7888	1.735
Sotano	108	21	C7.1	Combination	Min	-52.8296	-76.3071	637.7497	-124.0362	-97.5583	-1.5942
Sotano	108	21	S1	Combination		-31.1964	-20.7908	788.4768	30.9252	-26.4432	0.0826
Sotano	108	21	S2	Combination		-55.4487	-26.3916	1052.1316	38.8526	-48.3095	0.1037
Sotano	108	21	S4	Combination		-49.4047	-25.0972	1003.5493	37.1345	-42.8364	0.0953
Sotano	108	21	S6	Combination	Max	14.157	-7.5438	870.4453	67.9415	110.5018	0.9361
Sotano	108	21	S6	Combination	Min	-76.5497	-34.0379	706.5084	-6.0911	-163.3882	-0.7708
Sotano	108	21	S6.1	Combination	Max	-13.513	18.4096	838.8352	140.7921	26.5283	1.2479
Sotano	108	21	S6.1	Combination	Min	-48.8798	-59.9913	738.1185	-78.9418	-79.4147	-1.0826
Sotano	108	21	S8	Combination	Max	-15.3897	-15.1619	1065.0257	64.8967	59.8723	0.7354
Sotano	108	21	S8	Combination	Min	-83.4198	-35.0324	942.073	9.3722	-145.5451	-0.5448
Sotano	108	21	S8.1	Combination	Max	-36.1422	4.3032	1041.3181	119.5347	-3.1078	0.9692
Sotano	108	21	S8.1	Combination	Min	-62.6673	-54.4975	965.7806	-45.2657	-82.565	-0.7786
Sotano	108	21	S10	Combination	Max	26.6356	0.7725	555.0546	55.5714	121.079	0.903
Sotano	108	21	S10	Combination	Min	-64.0712	-25.7215	391.1176	-18.4612	-152.8109	-0.8038
Sotano	108	21	S10.1	Combination	Max	-1.0344	26.7259	523.4445	128.422	37.1056	1.2148
Sotano	108	21	S10.1	Combination	Min	-36.4012	-51.6749	422.7277	-91.3118	-68.8374	-1.1156
Sotano	108	21	Envol	Combination	Max	37.2229	35.6942	1391.1211	207.0743	173.7509	1.7809
Sotano	108	21	Envol	Combination	Min	-125.9694	-88.145	592.5924	-124.0362	-247.3196	-1.5942
Sotano	108	21	EnvolS	Combination	Max	26.6356	26.7259	1065.0257	140.7921	121.079	1.2479
Sotano	108	21	EnvolS	Combination	Min	-83.4198	-59.9913	391.1176	-91.3118	-163.3882	-1.1156
Sotano	108	21	S3	Combination		-31.2219	-20.9319	811.5854	31.2768	-26.4345	0.0784
Sotano	108	21	C4.1	Combination		-61.7125	-30.6925	1232.9282	45.3895	-53.5966	0.1158
Sotano	108	21	C3.1	Combination		-61.7663	-31.0065	1283.751	46.1636	-53.5934	0.1059
Sotano	109	23	Pp	LinStatic		-1.6777	-7.6793	262.846	12.4881	-0.2271	0.0004
Sotano	109	23	L	LinStatic		-2.4266	-4.3777	102.4291	6.6926	-1.6827	0.0211
Sotano	109	23	D	LinStatic		-7.8955	-9.2773	253.4455	14.5014	-6.22	0.0822
Sotano	109	23	Sismo X	LinStatic		-314.1073	21.8109	659.5777	-56.7877	-1072.3527	4.8981
Sotano	109	23	Sismo Y	LinStatic		4.3811	-327.7241	-212.6491	914.9754	13.0757	-1.1907
Sotano	109	23	Le	LinStatic		-0.2553	-0.3218	15.5717	0.7728	-0.1878	-0.009
Sotano	109	23	Der X	LinRespSpec	Max	235.8765	18.6359	513.4899	49.9237	817.159	3.595
Sotano	109	23	Der Y	LinRespSpec	Max	24.404	244.9432	142.0725	685.812	80.4642	6.4874
Sotano	109	23	Dis. X	LinRespSpec	Max	51.897	4.1002	112.9769	10.9841	179.7895	0.791
Sotano	109	23	Dis. Y	LinRespSpec	Max	5.3693	53.8918	31.2585	150.8908	17.7035	1.4273
Sotano	109	23	Lr	LinStatic		-0.1253	-0.1612	7.7594	0.3871	-0.0836	-0.0042
Sotano	109	23	Ez	LinStatic		1.1431	-1.5991	7.094	5.1035	2.5005	-0.004
Sotano	109	23	C1	Combination		-13.4025	-23.7392	722.8082	37.7854	-9.0259	0.1157

Table 1.5 - Joint Reactions (continued)

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX kN	FY kN	FZ kN	MX kN-m	MY kN-m	MZ kN-m
Sotano	109	23	C2	Combination		-15.4331	-27.4329	787.3162	43.2892	-10.4707	0.1308
Sotano	109	23	C2.1	Combination		-15.4981	-27.5132	791.2223	43.4821	-10.5228	0.1284
Sotano	109	23	C3	Combination		-14.1149	-24.9836	734.3941	39.6994	-9.553	0.1135
Sotano	109	23	C4	Combination		-13.9771	-24.8062	725.8587	39.2736	-9.461	0.1181
Sotano	109	23	C5	Combination	Max	40.7365	-6.057	851.4274	100.4349	178.1818	1.3354
Sotano	109	23	C5	Combination	Min	-66.2791	-46.5925	606.7186	-12.0677	-192.0193	-1.1029
Sotano	109	23	C5.1	Combination	Max	8.1671	28.7972	794.2245	198.3696	64.7217	1.7809
Sotano	109	23	C5.1	Combination	Min	-33.7098	-81.4466	663.9215	-110.0024	-78.5591	-1.5483
Sotano	109	23	C6	Combination		-8.6159	-15.2609	464.6624	24.2906	-5.8024	0.0744
Sotano	109	23	C7	Combination	Max	46.0351	3.4078	594.1108	85.6454	181.7987	1.2896
Sotano	109	23	C7	Combination	Min	-60.9806	-37.1278	349.402	-26.8572	-188.4024	-1.1488
Sotano	109	23	C7.1	Combination	Max	13.4657	38.2619	536.9079	183.5801	68.3385	1.735
Sotano	109	23	C7.1	Combination	Min	-28.4112	-71.9819	406.6049	-124.7919	-74.9423	-1.5942
Sotano	109	23	S1	Combination		-9.5732	-16.9566	516.2916	26.9896	-6.4471	0.0826
Sotano	109	23	S2	Combination		-11.9998	-21.3343	618.7207	33.6822	-8.1298	0.1037
Sotano	109	23	S4	Combination		-11.4871	-20.3608	598.933	32.2993	-7.7718	0.0953
Sotano	109	23	S6	Combination	Max	27.8823	-2.7691	601.9397	66.3655	123.1233	0.9361
Sotano	109	23	S6	Combination	Min	-47.0287	-31.144	430.6435	-12.3864	-136.0175	-0.7708
Sotano	109	23	S6.1	Combination	Max	5.0837	21.6288	561.8976	134.9198	43.7012	1.2479
Sotano	109	23	S6.1	Combination	Min	-24.2301	-55.5419	470.6855	-80.9406	-56.5953	-1.0826
Sotano	109	23	S8	Combination	Max	16.6045	-9.7202	663.1691	61.8313	89.406	0.7354
Sotano	109	23	S8	Combination	Min	-39.5787	-31.0014	534.6969	2.7674	-104.9496	-0.5448
Sotano	109	23	S8.1	Combination	Max	-0.4945	8.5782	633.1376	113.247	29.8394	0.9692
Sotano	109	23	S8.1	Combination	Min	-22.4798	-49.2998	564.7284	-48.6483	-45.383	-0.7786
Sotano	109	23	S10	Combination	Max	31.7115	4.0135	395.423	55.5697	125.7022	0.903
Sotano	109	23	S10	Combination	Min	-43.1994	-24.3614	224.1268	-23.1822	-133.4386	-0.8038
Sotano	109	23	S10.1	Combination	Max	8.913	28.4114	355.381	124.1239	46.28	1.2148
Sotano	109	23	S10.1	Combination	Min	-20.4008	-48.7593	264.1689	-91.7365	-54.0165	-1.1156
Sotano	109	23	Envol	Combination	Max	46.0351	38.2619	851.4274	198.3696	181.7987	1.7809
Sotano	109	23	Envol	Combination	Min	-66.2791	-81.4466	349.402	-124.7919	-192.0193	-1.5942
Sotano	109	23	EnvolS	Combination	Max	31.7115	28.4114	663.1691	134.9198	125.7022	1.2479
Sotano	109	23	EnvolS	Combination	Min	-47.0287	-55.5419	224.1268	-91.7365	-136.0175	-1.1156
Sotano	109	23	S3	Combination		-9.6985	-17.1178	524.051	27.3766	-6.5307	0.0784
Sotano	109	23	C4.1	Combination		-14.0421	-24.8865	729.7649	39.4665	-9.5131	0.1158
Sotano	109	23	C3.1	Combination		-14.3229	-25.2405	746.8937	40.3166	-9.7197	0.1059
Sotano	116	9	Pp	LinStatic		0.1767	-3.7703	227.2242	8.8098	1.4851	0.0004
Sotano	116	9	L	LinStatic		1.9703	-1.7068	92.309	4.4863	2.2541	0.0211
Sotano	116	9	D	LinStatic		5.7726	-4.6263	238.0232	11.3318	5.9159	0.0822
Sotano	116	9	Sismo X	LinStatic		-334.6564	-23.0909	-705.0312	57.9111	-1121.3711	4.8981
Sotano	116	9	Sismo Y	LinStatic		8.1511	-348.4631	-205.8425	916.9315	23.8588	-1.1907
Sotano	116	9	Le	LinStatic		0.099	-0.2315	10.8598	0.5552	0.1947	-0.009
Sotano	116	9	Der X	LinRespSpec	Max	240.6238	15.5992	531.6429	35.7671	818.1406	3.595
Sotano	116	9	Der Y	LinRespSpec	Max	41.589	299.264	247.1735	790.8789	136.029	6.4874
Sotano	116	9	Dis. X	LinRespSpec	Max	52.9415	3.4321	116.9709	7.8694	180.0055	0.791
Sotano	116	9	Dis. Y	LinRespSpec	Max	9.1503	65.8434	54.3825	174.0073	29.9288	1.4273
Sotano	116	9	Lr	LinStatic		0.0511	-0.135	5.0175	0.3001	0.1053	-0.0042

Table 1.5 - Joint Reactions (continued)

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX kN	FY kN	FZ kN	MX kN-m	MY kN-m	MZ kN-m
Sotano	116	9	Ez	LinStatic		-2.2901	-2.1513	32.2497	5.5653	-0.6501	-0.004
Sotano	116	9	C1	Combination		8.329	-11.7552	651.3463	28.1982	10.3614	0.1157
Sotano	116	9	C2	Combination		10.3171	-12.8743	708.5	31.4981	12.5405	0.1308
Sotano	116	9	C2.1	Combination		10.3411	-12.9225	711.4212	31.6256	12.5852	0.1284
Sotano	116	9	C3	Combination		9.1911	-11.9987	658.6338	29.1364	11.3039	0.1135
Sotano	116	9	C4	Combination		9.1349	-11.8502	653.1146	28.8063	11.188	0.1181
Sotano	116	9	C5	Combination	Max	62.506	9.2511	816.1412	94.2932	199.4694	1.3354
Sotano	116	9	C5	Combination	Min	-48.8673	-37.1191	549.5699	-25.8501	-178.4988	-1.1029
Sotano	116	9	C5.1	Combination	Max	31.8521	52.939	772.3293	210.5897	94.4157	1.7809
Sotano	116	9	C5.1	Combination	Min	-18.2134	-80.807	593.3817	-142.1466	-73.4451	-1.5483
Sotano	116	9	C6	Combination		5.3543	-7.5569	418.7226	18.1274	6.6609	0.0744
Sotano	116	9	C7	Combination	Max	58.7509	13.4769	584.258	83.7643	194.995	1.2896
Sotano	116	9	C7	Combination	Min	-52.6223	-32.8933	317.6867	-36.3789	-182.9733	-1.1488
Sotano	116	9	C7.1	Combination	Max	28.097	57.1648	540.4461	200.0609	89.9413	1.735
Sotano	116	9	C7.1	Combination	Min	-21.9685	-76.5812	361.4985	-152.6754	-77.9196	-1.5942
Sotano	116	9	S1	Combination		5.9493	-8.3965	465.2473	20.1416	7.401	0.0826
Sotano	116	9	S2	Combination		7.9196	-10.1034	557.5564	24.6279	9.6552	0.1037
Sotano	116	9	S4	Combination		7.4653	-9.7779	538.2422	23.7314	9.1706	0.0953
Sotano	116	9	S6	Combination	Max	44.9299	7.833	558.5473	62.1917	139.6899	0.9361
Sotano	116	9	S6	Combination	Min	-33.0314	-24.6261	371.9474	-21.9086	-124.8879	-0.7708
Sotano	116	9	S6.1	Combination	Max	23.4722	38.4145	527.879	143.5993	66.1523	1.2479
Sotano	116	9	S6.1	Combination	Min	-11.5737	-55.2076	402.6157	-103.3162	-51.3503	-1.0826
Sotano	116	9	S8	Combination	Max	36.7008	2.3943	608.2172	55.269	108.3873	0.7354
Sotano	116	9	S8	Combination	Min	-21.7702	-21.9501	468.2673	-7.8062	-90.0461	-0.5448
Sotano	116	9	S8.1	Combination	Max	20.6075	25.3304	585.216	116.3247	53.2341	0.9692
Sotano	116	9	S8.1	Combination	Min	-5.6769	-44.8862	491.2685	-68.8619	-34.8929	-0.7786
Sotano	116	9	S10	Combination	Max	42.5502	11.1917	372.4484	54.1351	136.7295	0.903
Sotano	116	9	S10	Combination	Min	-35.4111	-21.2675	185.8485	-29.9652	-127.8483	-0.8038
Sotano	116	9	S10.1	Combination	Max	21.0925	41.7732	341.7801	135.5426	63.1919	1.2148
Sotano	116	9	S10.1	Combination	Min	-13.9534	-51.849	216.5167	-111.3728	-54.3107	-1.1156
Sotano	116	9	Envol	Combination	Max	62.506	57.1648	816.1412	210.5897	199.4694	1.7809
Sotano	116	9	Envol	Combination	Min	-52.6223	-80.807	317.6867	-152.6754	-182.9733	-1.5942
Sotano	116	9	EnvolS	Combination	Max	44.9299	41.7732	608.2172	143.5993	139.6899	1.2479
Sotano	116	9	EnvolS	Combination	Min	-35.4111	-55.2076	185.8485	-111.3728	-127.8483	-1.1156
Sotano	116	9	S3	Combination		6.0003	-8.5315	470.2648	20.4417	7.5063	0.0784
Sotano	116	9	C4.1	Combination		9.1589	-11.8984	656.0358	28.9338	11.2327	0.1158
Sotano	116	9	C3.1	Combination		9.2678	-12.153	667.9816	29.5446	11.4469	0.1059
Sotano	117	11	Pp	LinStatic		9.4577	-3.9095	315.3867	8.9394	10.0677	0.0004
Sotano	117	11	L	LinStatic		16.0509	-1.8317	212.2046	4.5249	15.2753	0.0211
Sotano	117	11	D	LinStatic		11.5795	-4.9516	324.8038	11.3298	11.2859	0.0822
Sotano	117	11	Sismo X	LinStatic		-389.048	-11.6987	484.0908	28.7781	-1171.6701	4.8981
Sotano	117	11	Sismo Y	LinStatic		9.2127	-351.1789	-223.8858	923.9631	24.8405	-1.1907
Sotano	117	11	Le	LinStatic		-0.0223	-0.2895	31.2109	0.6436	0.0826	-0.009

Table 1.5 - Joint Reactions (continued)

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX kN	FY kN	FZ kN	MX kN-m	MY kN-m	MZ kN-m
Sotano	117	11	Der X	LinRespSpec	Max	280.4579	7.602	375.1081	16.0976	855.3246	3.595
Sotano	117	11	Der Y	LinRespSpec	Max	48.046	290.7245	156.4271	767.948	142.0222	6.4874
Sotano	117	11	Dis. X	LinRespSpec	Max	61.7057	1.6726	82.5305	3.5418	188.1866	0.791
Sotano	117	11	Dis. Y	LinRespSpec	Max	10.571	63.9645	34.4167	168.9621	31.2474	1.4273
Sotano	117	11	Lr	LinStatic		-0.009	-0.1636	15.1551	0.3429	0.0497	-0.0042
Sotano	117	11	Ez	LinStatic		0.5126	-2.2233	-6.5327	5.6481	1.9417	-0.004
Sotano	117	11	C1	Combination		29.452	-12.4056	896.2667	28.3768	29.8951	0.1157
Sotano	117	11	C2	Combination		50.9215	-13.6459	1115.3335	31.7342	50.0897	0.1308
Sotano	117	11	C2.1	Combination		50.9149	-13.7088	1123.3614	31.8845	50.1061	0.1284
Sotano	117	11	C3	Combination		41.281	-12.7269	1004.6813	29.3965	40.9792	0.1135
Sotano	117	11	C4	Combination		41.291	-12.5469	988.0107	29.0193	40.9245	0.1181
Sotano	117	11	C5	Combination	Max	106.6851	6.1736	1066.7559	88.7263	240.4022	1.3354
Sotano	117	11	C5	Combination	Min	-23.069	-35.5502	881.045	-19.7345	-154.7195	-1.1029
Sotano	117	11	C5.1	Combination	Max	70.8908	49.778	1033.0763	204.5206	130.5448	1.7809
Sotano	117	11	C5.1	Combination	Min	12.7254	-79.1546	914.7246	-135.5287	-44.862	-1.5483
Sotano	117	11	C6	Combination		18.9334	-7.975	576.1714	18.2422	19.2182	0.0744
Sotano	117	11	C7	Combination	Max	84.323	10.6636	662.4942	78.1207	218.7208	1.2896
Sotano	117	11	C7	Combination	Min	-45.431	-31.0602	476.7832	-30.3401	-176.4009	-1.1488
Sotano	117	11	C7.1	Combination	Max	48.5287	54.268	628.8146	193.915	108.8634	1.735
Sotano	117	11	C7.1	Combination	Min	-9.6367	-74.6646	510.4629	-146.1343	-66.5434	-1.5942
Sotano	117	11	S1	Combination		21.0371	-8.8611	640.1905	20.2691	21.3536	0.0826
Sotano	117	11	S2	Combination		37.088	-10.6928	852.3951	24.794	36.6289	0.1037
Sotano	117	11	S4	Combination		33.0685	-10.3576	810.7103	23.92	32.8474	0.0953
Sotano	117	11	S6	Combination	Max	66.451	5.7422	705.1893	58.2304	159.6462	0.9361
Sotano	117	11	S6	Combination	Min	-24.3768	-23.4645	575.1917	-17.6921	-116.939	-0.7708
Sotano	117	11	S6.1	Combination	Max	41.395	36.2653	681.6136	139.2864	82.746	1.2479
Sotano	117	11	S6.1	Combination	Min	0.6792	-53.9875	598.7674	-98.7481	-40.0388	-1.0826
Sotano	117	11	S8	Combination	Max	67.129	0.5949	859.4594	52.3909	136.5668	0.7354
Sotano	117	11	S8	Combination	Min	-0.9919	-21.3101	761.9611	-4.551	-70.872	-0.5448
Sotano	117	11	S8.1	Combination	Max	48.337	23.4872	841.7776	113.1829	78.8917	0.9692
Sotano	117	11	S8.1	Combination	Min	17.8001	-44.2024	779.6429	-65.343	-13.1969	-0.7786
Sotano	117	11	S10	Combination	Max	58.0362	9.2867	449.1131	50.1227	151.1048	0.903
Sotano	117	11	S10	Combination	Min	-32.7916	-19.92	319.1155	-25.7998	-125.4804	-0.8038
Sotano	117	11	S10.1	Combination	Max	32.9802	39.8097	425.5374	131.1787	74.2045	1.2148
Sotano	117	11	S10.1	Combination	Min	-7.7356	-50.4431	342.6912	-106.8558	-48.5802	-1.1156
Sotano	117	11	Envol	Combination	Max	106.6851	54.268	1123.3614	204.5206	240.4022	1.7809
Sotano	117	11	Envol	Combination	Min	-45.431	-79.1546	476.7832	-146.1343	-176.4009	-1.5942
Sotano	117	11	EnvolS	Combination	Max	67.129	39.8097	859.4594	139.2864	159.6462	1.2479
Sotano	117	11	EnvolS	Combination	Min	-32.7916	-53.9875	319.1155	-106.8558	-125.4804	-1.1156
Sotano	117	11	S3	Combination		21.0281	-9.0248	655.3456	20.6121	21.4033	0.0784
Sotano	117	11	C4.1	Combination		41.2843	-12.6098	996.0387	29.1696	40.9409	0.1158
Sotano	117	11	C3.1	Combination		41.2598	-12.9283	1030.3707	29.8776	41.0318	0.1059
Sotano	123	13	Pp	LinStatic		-8.2669	-3.7513	316.4651	8.7871	-6.3232	0.0004
Sotano	123	13	L	LinStatic		-15.8188	-1.4009	212.6152	3.9685	-14.1965	0.0211

Table 1.5 - Joint Reactions (continued)

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX kN	FY kN	FZ kN	MX kN-m	MY kN-m	MZ kN-m
Sotano	123	13	D	LinStatic		-11.4079	-3.4542	329.0425	9.3318	-9.9719	0.0822
Sotano	123	13	Sismo X	LinStatic		-386.0995	11.4053	-439.3646	-27.942	-1168.9434	4.8981
Sotano	123	13	Sismo Y	LinStatic		9.3475	-356.9403	-212.4116	937.8884	24.9652	-1.1907
Sotano	123	13	Le	LinStatic		0.2063	-0.4153	30.5115	0.8261	0.2939	-0.009
Sotano	123	13	Der X	LinRespSpec	Max	278.2834	11.5334	343.1349	29.831	853.3022	3.595
Sotano	123	13	Der Y	LinRespSpec	Max	47.6237	276.5537	203.8202	728.5397	141.6286	6.4874
Sotano	123	13	Dis. X	LinRespSpec	Max	61.2273	2.5376	75.4958	6.5634	187.7417	0.791
Sotano	123	13	Dis. Y	LinRespSpec	Max	10.4781	60.8467	44.844	160.2916	31.1608	1.4273
Sotano	123	13	Lr	LinStatic		0.1054	-0.2071	15.2478	0.414	0.1555	-0.0042
Sotano	123	13	Ez	LinStatic		0.4532	-2.2314	-3.3681	5.6841	1.8868	-0.004
Sotano	123	13	C1	Combination		-27.5447	-10.0877	903.7107	25.3665	-22.813	0.1157
Sotano	123	13	C2	Combination		-48.8672	-10.9917	1122.4174	28.2992	-42.1906	0.1308
Sotano	123	13	C2.1	Combination		-48.8167	-11.0958	1130.0492	28.5053	-42.1214	0.1284
Sotano	123	13	C3	Combination		-39.26	-10.379	1011.6208	26.3735	-33.5017	0.1135
Sotano	123	13	C4	Combination		-39.3759	-10.1511	994.8483	25.9181	-33.6727	0.1181
Sotano	123	13	C5	Combination	Max	25.3953	8.5126	1072.8052	86.0461	165.2262	1.3354
Sotano	123	13	C5	Combination	Min	-103.3461	-33.0706	894.9072	-23.2556	-228.9536	-1.1029
Sotano	123	13	C5.1	Combination	Max	-10.1292	49.329	1051.349	193.6559	55.6196	1.7809
Sotano	123	13	C5.1	Combination	Min	-67.8216	-73.887	916.3635	-130.8654	-119.347	-1.5483
Sotano	123	13	C6	Combination		-17.7073	-6.485	580.9569	16.307	-14.6655	0.0744
Sotano	123	13	C7	Combination	Max	47.1166	12.0752	666.5378	76.642	184.3112	1.2896
Sotano	123	13	C7	Combination	Min	-81.6249	-29.508	488.6398	-32.6597	-209.8686	-1.1488
Sotano	123	13	C7.1	Combination	Max	11.5921	52.8916	645.0816	184.2517	74.7045	1.735
Sotano	123	13	C7.1	Combination	Min	-46.1004	-70.3244	510.096	-140.2695	-100.262	-1.5942
Sotano	123	13	S1	Combination		-19.6748	-7.2055	645.5077	18.1189	-16.295	0.0826
Sotano	123	13	S2	Combination		-35.4936	-8.6065	858.1228	22.0874	-30.4915	0.1037
Sotano	123	13	S4	Combination		-31.4599	-8.4116	816.4049	21.4057	-26.8257	0.0953
Sotano	123	13	S6	Combination	Max	25.3847	7.3486	707.772	56.3745	121.6679	0.9361
Sotano	123	13	S6	Combination	Min	-64.7343	-21.7596	583.2434	-20.1367	-154.2579	-0.7708
Sotano	123	13	S6.1	Combination	Max	0.5176	35.9201	692.7526	131.7013	44.9433	1.2479
Sotano	123	13	S6.1	Combination	Min	-39.8672	-50.3311	598.2627	-95.4635	-77.5333	-1.0826
Sotano	123	13	S8	Combination	Max	2.3347	2.504	863.1031	50.0974	76.6465	0.7354
Sotano	123	13	S8	Combination	Min	-65.2545	-19.3272	769.7067	-7.286	-130.2979	-0.5448
Sotano	123	13	S8.1	Combination	Max	-16.3156	23.9326	851.8386	106.5925	19.103	0.9692
Sotano	123	13	S8.1	Combination	Min	-46.6042	-40.7558	780.9712	-63.7811	-72.7545	-0.7786
Sotano	123	13	S10	Combination	Max	33.2546	10.2308	449.5689	49.1269	128.1859	0.903
Sotano	123	13	S10	Combination	Min	-56.8644	-18.8774	325.0403	-27.3842	-147.7399	-0.8038
Sotano	123	13	S10.1	Combination	Max	8.3875	38.8023	434.5495	124.4538	51.4613	1.2148
Sotano	123	13	S10.1	Combination	Min	-31.9972	-47.4489	340.0597	-102.7111	-71.0153	-1.1156
Sotano	123	13	Envol	Combination	Max	47.1166	52.8916	1130.0492	193.6559	184.3112	1.7809
Sotano	123	13	Envol	Combination	Min	-103.3461	-73.887	488.6398	-140.2695	-228.9536	-1.5942
Sotano	123	13	EnvolS	Combination	Max	33.2546	38.8023	863.1031	131.7013	128.1859	1.2479
Sotano	123	13	EnvolS	Combination	Min	-65.2545	-50.3311	325.0403	-102.7111	-154.2579	-1.1156
Sotano	123	13	S3	Combination		-19.5694	-7.4127	660.7555	18.5329	-16.1395	0.0784

Table 1.5 - Joint Reactions (continued)

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX kN	FY kN	FZ kN	MX kN-m	MY kN-m	MZ kN-m
Sotano	123	13	C4.1	Combination		-39.3254	-10.2552	1002.4801	26.1242	-33.6035	0.1158
Sotano	123	13	C3.1	Combination		-39.0985	-10.7121	1036.0427	27.0329	-33.2802	0.1059
Sotano	125	15	Pp	LinStatic		-1.2174	-2.8597	250.5743	7.9449	0.1959	0.0004
Sotano	125	15	L	LinStatic		-3.2812	-0.834	91.2834	3.3521	-2.6022	0.0211
Sotano	125	15	D	LinStatic		-9.7984	-2.1158	243.9485	7.7507	-8.4834	0.0822
Sotano	125	15	Sismo X	LinStatic		-331.6886	25.2144	691.7484	-59.996	-1118.6266	4.8981
Sotano	125	15	Sismo Y	LinStatic		8.7087	-359.2885	-15.6496	944.7297	24.3745	-1.1907
Sotano	125	15	Le	LinStatic		0.0128	-0.4085	19.2468	0.8545	0.115	-0.009
Sotano	125	15	Der X	LinRespSpec	Max	238.4322	20.0578	529.425	51.2453	816.0864	3.595
Sotano	125	15	Der Y	LinRespSpec	Max	41.0154	268.5091	81.5188	708.1207	135.4882	6.4874
Sotano	125	15	Dis. X	LinRespSpec	Max	52.4593	4.4131	116.4829	11.2749	179.5535	0.791
Sotano	125	15	Dis. Y	LinRespSpec	Max	9.0241	59.0767	17.9356	155.7991	29.8098	1.4273
Sotano	125	15	Lr	LinStatic		0.0082	-0.2046	9.6116	0.428	0.0656	-0.0042
Sotano	125	15	Ez	LinStatic		1.1025	-2.0424	7.9967	5.5213	2.4873	-0.004
Sotano	125	15	C1	Combination		-15.4222	-6.9658	692.3319	21.9739	-11.6026	0.1157
Sotano	125	15	C2	Combination		-18.4649	-7.4074	744.2865	24.4121	-14.0759	0.1308
Sotano	125	15	C2.1	Combination		-18.4626	-7.5094	749.1041	24.6254	-14.0512	0.1284
Sotano	125	15	C3	Combination		-16.4872	-7.1321	700.0892	22.8716	-12.4423	0.1135
Sotano	125	15	C4	Combination		-16.4961	-6.907	689.5165	22.4008	-12.5145	0.1181
Sotano	125	15	C5	Combination	Max	39.7689	13.289	814.571	85.7228	178.4364	1.3354
Sotano	125	15	C5	Combination	Min	-70.5643	-30.9832	570.8438	-30.3064	-198.5565	-1.1029
Sotano	125	15	C5.1	Combination	Max	9.3642	51.5536	745.5878	186.8897	73.6158	1.7809
Sotano	125	15	C5.1	Combination	Min	-40.1596	-69.2477	639.827	-131.4733	-93.7359	-1.5483
Sotano	125	15	C6	Combination		-9.9142	-4.478	445.0705	14.126	-7.4588	0.0744
Sotano	125	15	C7	Combination	Max	46.3548	15.6157	574.9308	77.662	183.5249	1.2896
Sotano	125	15	C7	Combination	Min	-63.9783	-28.6565	331.2036	-38.3672	-193.468	-1.1488
Sotano	125	15	C7.1	Combination	Max	15.9502	53.8803	505.9477	178.8289	78.7043	1.735
Sotano	125	15	C7.1	Combination	Min	-33.5736	-66.921	400.1868	-139.5341	-88.6474	-1.5942
Sotano	125	15	S1	Combination		-11.0158	-4.9756	494.5228	15.6956	-8.2876	0.0826
Sotano	125	15	S2	Combination		-14.2971	-5.8096	585.8061	19.0477	-10.8898	0.1037
Sotano	125	15	S4	Combination		-13.4706	-5.7546	570.194	18.5307	-10.19	0.0953
Sotano	125	15	S6	Combination	Max	27.6008	10.5197	579.8273	56.3058	123.6599	0.9361
Sotano	125	15	S6	Combination	Min	-49.6324	-20.4708	409.2183	-24.9146	-140.2351	-0.7708
Sotano	125	15	S6.1	Combination	Max	6.3175	37.3049	531.5391	127.1227	50.2855	1.2479
Sotano	125	15	S6.1	Combination	Min	-28.3492	-47.256	457.5065	-95.7315	-66.8607	-1.0826
Sotano	125	15	S8	Combination	Max	15.4918	5.8669	634.1724	48.9883	88.7706	0.7354
Sotano	125	15	S8	Combination	Min	-42.4331	-17.376	506.2156	-11.927	-109.1507	-0.5448
Sotano	125	15	S8.1	Combination	Max	-0.4706	25.9558	597.9562	102.101	33.7398	0.9692
Sotano	125	15	S8.1	Combination	Min	-26.4706	-37.4649	542.4317	-65.0396	-54.1199	-0.7786
Sotano	125	15	S10	Combination	Max	32.0071	12.5099	382.0182	50.0276	126.975	0.903
Sotano	125	15	S10	Combination	Min	-45.2261	-18.4806	211.4092	-31.1929	-136.9201	-0.8038
Sotano	125	15	S10.1	Combination	Max	10.7238	39.2951	333.73	120.8444	53.6006	1.2148
Sotano	125	15	S10.1	Combination	Min	-23.9428	-45.2658	259.6974	-102.0097	-63.5456	-1.1156
Sotano	125	15	Envol	Combination	Max	46.3548	53.8803	814.571	186.8897	183.5249	1.7809
Sotano	125	15	Envol	Combination	Min	-70.5643	-69.2477	331.2036	-139.5341	-198.5565	-1.5942

Table 1.5 - Joint Reactions (continued)

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX kN	FY kN	FZ kN	MX kN-m	MY kN-m	MZ kN-m
Sotano	125	15	EnvolS	Combination	Max	32.0071	39.2951	634.1724	127.1227	126.975	1.2479
Sotano	125	15	EnvolS	Combination	Min	-49.6324	-47.256	211.4092	-102.0097	-140.2351	-1.1156
Sotano	125	15	S3	Combination		-11.0077	-5.1802	504.1344	16.1236	-8.222	0.0784
Sotano	125	15	C4.1	Combination		-16.4938	-7.009	694.3341	22.6141	-12.4898	0.1158
Sotano	125	15	C3.1	Combination		-16.4798	-7.4583	715.5056	23.5541	-12.3634	0.1059
Sotano	139	1	Pp	LinStatic		1.4831	13.9402	232.5899	-7.8851	2.6911	0.0004
Sotano	139	1	L	LinStatic		2.5384	9.3363	84.139	-5.9235	2.675	0.0211
Sotano	139	1	D	LinStatic		6.739	24.889	217.8155	-16.4909	6.402	0.0822
Sotano	139	1	Sismo X	LinStatic		-356.9268	-25.4422	-679.989	60.1276	-1166.2557	4.8981
Sotano	139	1	Sismo Y	LinStatic		11.4915	-284.7832	641.9048	856.9033	32.8528	-1.1907
Sotano	139	1	Le	LinStatic		0.1628	-0.0406	10.8565	0.3753	0.2981	-0.009
Sotano	139	1	Der X	LinRespSpec	Max	248.3332	14.6799	533.7469	34.1594	823.0796	3.595
Sotano	139	1	Der Y	LinRespSpec	Max	57.1068	245.184	490.6565	739.6639	182.5127	6.4874
Sotano	139	1	Dis. X	LinRespSpec	Max	54.6377	3.2298	117.4338	7.5157	181.0921	0.791
Sotano	139	1	Dis. Y	LinRespSpec	Max	12.5645	53.9448	107.9531	162.7391	40.156	1.4273
Sotano	139	1	Lr	LinStatic		0.0832	-0.0193	5.4995	0.1911	0.1559	-0.0042
Sotano	139	1	Ez	LinStatic		-1.4526	8.0862	59.4077	-4.0851	0.1441	-0.004
Sotano	139	1	C1	Combination		11.511	54.3609	630.5676	-34.1265	12.7302	0.1157
Sotano	139	1	C2	Combination		13.9696	61.5234	677.8586	-38.6334	15.2695	0.1308
Sotano	139	1	C2.1	Combination		14.0094	61.5128	680.5371	-38.5413	15.3407	0.1284
Sotano	139	1	C3	Combination		12.5381	55.9004	633.4247	-34.869	13.836	0.1135
Sotano	139	1	C4	Combination		12.4466	55.9217	627.3752	-35.0792	13.6646	0.1181
Sotano	139	1	C5	Combination	Max	69.3595	83.4308	833.8529	17.0775	206.8697	1.3354
Sotano	139	1	C5	Combination	Min	-47.4547	44.6043	534.2134	-95.5973	-179.4082	-1.1029
Sotano	139	1	C5.1	Combination	Max	39.9082	118.9313	827.2164	125.7339	108.2144	1.7809
Sotano	139	1	C5.1	Combination	Min	-18.0034	9.1038	540.8499	-204.2538	-80.7529	-1.5483
Sotano	139	1	C6	Combination		7.3999	34.9463	405.3649	-21.9384	8.1837	0.0744
Sotano	139	1	C7	Combination	Max	64.3544	62.4458	614.5923	30.3138	201.4668	1.2896
Sotano	139	1	C7	Combination	Min	-52.4597	23.6192	314.9528	-82.361	-184.8111	-1.1488
Sotano	139	1	C7.1	Combination	Max	34.9032	97.9463	607.9558	138.9703	102.8115	1.735
Sotano	139	1	C7.1	Combination	Min	-23.0085	-11.8812	321.5893	-191.0174	-86.1558	-1.5942
Sotano	139	1	S1	Combination		8.2221	38.8292	450.4054	-24.376	9.093	0.0826
Sotano	139	1	S2	Combination		10.7605	48.1655	534.5444	-30.2996	11.768	0.1037
Sotano	139	1	S4	Combination		10.1884	45.8169	517.6343	-28.6754	11.2162	0.0953
Sotano	139	1	S6	Combination	Max	49.1071	52.4185	555.2792	15.0602	144.2903	0.9361
Sotano	139	1	S6	Combination	Min	-32.6628	25.2399	345.5316	-63.8122	-126.1043	-0.7708
Sotano	139	1	S6.1	Combination	Max	28.4912	77.2688	550.6337	91.1196	75.2316	1.2479
Sotano	139	1	S6.1	Combination	Min	-12.0469	0.3896	350.1771	-139.8717	-57.0455	-1.0826
Sotano	139	1	S8	Combination	Max	40.8521	56.0089	596.2896	0.9018	112.6141	0.7354
Sotano	139	1	S8	Combination	Min	-20.4754	35.6249	438.9789	-58.2525	-90.1818	-0.5448
Sotano	139	1	S8.1	Combination	Max	25.3902	74.6466	592.8055	57.9464	60.8201	0.9692
Sotano	139	1	S8.1	Combination	Min	-5.0135	16.9872	442.4631	-115.2971	-38.3877	-0.7786
Sotano	139	1	S10	Combination	Max	45.8182	36.8868	375.1171	24.8106	140.6531	0.903
Sotano	139	1	S10	Combination	Min	-35.9517	9.7082	165.3694	-54.0618	-129.7415	-0.8038

Table 1.5 - Joint Reactions (continued)

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX kN	FY kN	FZ kN	MX kN-m	MY kN-m	MZ kN-m
Sotano	139	1	S10.1	Combination	Max	25.2024	61.7371	370.4715	100.8701	71.5944	1.2148
Sotano	139	1	S10.1	Combination	Min	-15.3358	-15.1421	170.015	-130.1213	-60.6828	-1.1156
Sotano	139	1	Envol	Combination	Max	69.3595	118.9313	833.8529	138.9703	206.8697	1.7809
Sotano	139	1	Envol	Combination	Min	-52.4597	-11.8812	314.9528	-204.2538	-184.8111	-1.5942
Sotano	139	1	EnvolS	Combination	Max	49.1071	77.2688	596.2896	100.8701	144.2903	1.2479
Sotano	139	1	EnvolS	Combination	Min	-35.9517	-15.1421	165.3694	-139.8717	-129.7415	-1.1156
Sotano	139	1	S3	Combination		8.3054	38.8099	455.9049	-24.1849	9.2489	0.0784
Sotano	139	1	C4.1	Combination		12.4864	55.911	630.0537	-34.9871	13.7357	0.1158
Sotano	139	1	C3.1	Combination		12.6654	55.8664	641.9959	-34.5743	14.0636	0.1059
Sotano	140	3	Pp	LinStatic		9.9995	21.4264	364.8814	-14.9436	10.5666	0.0004
Sotano	140	3	L	LinStatic		11.7765	14.6169	198.3206	-10.9805	11.218	0.0211
Sotano	140	3	D	LinStatic		14.5878	37.8912	452.9855	-29.0563	13.6602	0.0822
Sotano	140	3	Sismo X	LinStatic		-402.7341	-3.9438	527.7106	21.4678	-1208.6164	4.8981
Sotano	140	3	Sismo Y	LinStatic		12.5523	-287.3212	628.4813	863.7674	33.8337	-1.1907
Sotano	140	3	Le	LinStatic		0.0035	-0.0891	29.6445	0.4547	0.1508	-0.009
Sotano	140	3	Der X	LinRespSpec	Max	280.8804	6.8152	382.1743	14.8235	853.4802	3.595
Sotano	140	3	Der Y	LinRespSpec	Max	63.9992	236.8939	586.6383	716.9536	188.9073	6.4874
Sotano	140	3	Dis. X	LinRespSpec	Max	61.7987	1.4995	84.0852	3.2614	187.7808	0.791
Sotano	140	3	Dis. Y	LinRespSpec	Max	14.0809	52.1208	129.0708	157.7425	41.5629	1.4273
Sotano	140	3	Lr	LinStatic		0.0038	-0.0436	14.8659	0.2298	0.0824	-0.0042
Sotano	140	3	Ez	LinStatic		0.4405	13.124	64.6635	-8.8191	1.8948	-0.004
Sotano	140	3	C1	Combination		34.4221	83.0446	1145.0138	-61.5999	33.9175	0.1157
Sotano	140	3	C2	Combination		48.349	94.5464	1306.1864	-70.2538	47.0621	0.1308
Sotano	140	3	C2.1	Combination		48.3488	94.5236	1313.5757	-70.1414	47.0963	0.1284
Sotano	140	3	C3	Combination		41.2872	85.7283	1203.5465	-63.4128	40.422	0.1135
Sotano	140	3	C4	Combination		41.2831	85.7762	1187.194	-63.6655	40.3313	0.1181
Sotano	140	3	C5	Combination	Max	107.7447	116.0578	1367.2309	-22.0153	242.4345	1.3354
Sotano	140	3	C5	Combination	Min	-24.3013	81.7863	1121.6181	-123.1837	-158.0649	-1.1029
Sotano	140	3	C5.1	Combination	Max	74.3422	151.4927	1398.7209	86.1214	140.082	1.7809
Sotano	140	3	C5.1	Combination	Min	9.1011	46.3514	1090.1282	-231.3204	-55.7123	-1.5483
Sotano	140	3	C6	Combination		22.1285	53.3858	736.0803	-39.5999	21.8041	0.0744
Sotano	140	3	C7	Combination	Max	88.592	83.6456	923.5502	2.1652	223.9486	1.2896
Sotano	140	3	C7	Combination	Min	-43.4539	49.3741	677.9374	-99.0032	-176.5508	-1.1488
Sotano	140	3	C7.1	Combination	Max	55.1896	119.0805	955.0401	110.3019	121.596	1.735
Sotano	140	3	C7.1	Combination	Min	-10.0515	13.9392	646.4475	-207.1399	-74.1983	-1.5942
Sotano	140	3	S1	Combination		24.5872	59.3176	817.867	-43.9999	24.2268	0.0826
Sotano	140	3	S2	Combination		36.3637	73.9345	1016.1876	-54.9804	35.4447	0.1037
Sotano	140	3	S4	Combination		33.4224	70.2476	977.7569	-52.063	32.7021	0.0953
Sotano	140	3	S6	Combination	Max	70.8033	71.3126	903.8315	-8.591	164.4016	0.9361
Sotano	140	3	S6	Combination	Min	-21.6288	47.3226	731.9025	-79.4088	-115.948	-0.7708
Sotano	140	3	S6.1	Combination	Max	47.4216	96.1171	925.8744	67.1047	92.7548	1.2479
Sotano	140	3	S6.1	Combination	Min	1.7529	22.5181	709.8595	-155.1045	-44.3013	-1.0826

Table 1.5 - Joint Reactions (continued)

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX kN	FY kN	FZ kN	MX kN-m	MY kN-m	MZ kN-m
Sotano	140	3	S8	Combination	Max	68.0845	79.2438	1042.2303	-25.5063	137.8332	0.7354
Sotano	140	3	S8	Combination	Min	-1.2396	61.2513	913.2836	-78.6197	-72.429	-0.5448
Sotano	140	3	S8.1	Combination	Max	50.5482	97.8472	1058.7625	31.2655	84.0981	0.9692
Sotano	140	3	S8.1	Combination	Min	16.2967	42.648	896.7513	-135.3914	-18.694	-0.7786
Sotano	140	3	S10	Combination	Max	60.9684	47.5856	576.6847	9.009	154.7109	0.903
Sotano	140	3	S10	Combination	Min	-31.4637	23.5955	404.7557	-61.8089	-125.6387	-0.8038
Sotano	140	3	S10.1	Combination	Max	37.5867	72.39	598.7276	84.7047	83.0641	1.2148
Sotano	140	3	S10.1	Combination	Min	-8.082	-1.2089	382.7127	-137.5046	-53.992	-1.1156
Sotano	140	3	Envol	Combination	Max	107.7447	151.4927	1398.7209	110.3019	242.4345	1.7809
Sotano	140	3	Envol	Combination	Min	-43.4539	13.9392	646.4475	-231.3204	-176.5508	-1.5942
Sotano	140	3	EnvolS	Combination	Max	70.8033	97.8472	1058.7625	84.7047	164.4016	1.2479
Sotano	140	3	EnvolS	Combination	Min	-31.4637	-1.2089	382.7127	-155.1045	-125.6387	-1.1156
Sotano	140	3	S3	Combination		24.591	59.274	832.7329	-43.7701	24.3092	0.0784
Sotano	140	3	C4.1	Combination		41.2829	85.7535	1194.5833	-63.5531	40.3655	0.1158
Sotano	140	3	C3.1	Combination		41.2868	85.6554	1227.1922	-63.0529	40.5314	0.1059
Sotano	143	5	Pp	LinStatic		-11.369	23.616	379.4912	-17.0108	-9.194	0.0004
Sotano	143	5	L	LinStatic		-13.2953	10.9235	184.0489	-7.6493	-11.9673	0.0211
Sotano	143	5	D	LinStatic		-16.3803	20.4314	392.3808	-13.1841	-14.9778	0.0822
Sotano	143	5	Sismo X	LinStatic		-399.4113	5.4607	-277.5082	-22.3382	-1205.5436	4.8981
Sotano	143	5	Sismo Y	LinStatic		13.7249	-291.7588	668.0154	876.4447	34.9181	-1.1907
Sotano	143	5	Le	LinStatic		0.5448	2.6652	40.5306	-2.0778	0.6514	-0.009
Sotano	143	5	Der X	LinRespSpec	Max	278.4504	10.2067	182.6494	28.4964	851.2462	3.595
Sotano	143	5	Der Y	LinRespSpec	Max	63.0053	226.3678	499.9818	680.9939	187.9777	6.4874
Sotano	143	5	Dis. X	LinRespSpec	Max	61.264	2.2457	40.1861	6.2697	187.2893	0.791
Sotano	143	5	Dis. Y	LinRespSpec	Max	13.8623	49.8049	110.0048	149.8307	41.3584	1.4273
Sotano	143	5	Lr	LinStatic		0.2746	1.3339	20.3219	-1.0387	0.3329	-0.0042
Sotano	143	5	Ez	LinStatic		0.7164	13.3635	67.8851	-9.0165	2.1499	-0.004
Sotano	143	5	C1	Combination		-38.8491	61.6663	1080.6209	-42.2728	-33.8406	0.1157
Sotano	143	5	C2	Combination		-54.4344	71.0014	1230.8857	-48.992	-47.9876	0.1308
Sotano	143	5	C2.1	Combination		-54.2993	71.6671	1240.99	-49.5116	-47.8283	0.1284
Sotano	143	5	C3	Combination		-46.1552	65.9145	1142.8104	-45.545	-40.441	0.1135
Sotano	143	5	C4	Combination		-46.4572	64.4473	1120.4563	-44.4025	-40.8072	0.1181
Sotano	143	5	C5	Combination	Max	19.5446	94.331	1251.3681	-1.6807	160.8731	1.3354
Sotano	143	5	C5	Combination	Min	-111.3008	59.9567	1104.9929	-104.1186	-238.5205	-1.1029
Sotano	143	5	C5.1	Combination	Max	-13.6366	127.6224	1300.2411	98.812	58.7215	1.7809
Sotano	143	5	C5.1	Combination	Min	-78.1196	26.6652	1056.1198	-204.6113	-136.3689	-1.5483
Sotano	143	5	C6	Combination		-24.9744	39.6426	694.6848	-27.1754	-21.7547	0.0744
Sotano	143	5	C7	Combination	Max	41.1647	70.1932	835.7575	15.027	180.092	1.2896
Sotano	143	5	C7	Combination	Min	-89.6807	35.819	689.3824	-87.4108	-219.3016	-1.1488
Sotano	143	5	C7.1	Combination	Max	7.9835	103.4847	884.6306	115.5197	77.9404	1.735
Sotano	143	5	C7.1	Combination	Min	-56.4995	2.5275	640.5093	-187.9035	-117.15	-1.5942
Sotano	143	5	S1	Combination		-27.7494	44.0473	771.872	-30.1949	-24.1719	0.0826

Table 1.5 - Joint Reactions (continued)

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX kN	FY kN	FZ kN	MX kN-m	MY kN-m	MZ kN-m
Sotano	143	5	S2	Combination		-41.0446	54.9709	955.921	-37.8442	-36.1392	0.1037
Sotano	143	5	S4	Combination		-37.5149	53.2404	925.1502	-36.7108	-32.8977	0.0953
Sotano	143	5	S6	Combination	Max	18.0465	56.0783	823.1033	5.6584	115.6159	0.9361
Sotano	143	5	S6	Combination	Min	-73.5453	32.0163	720.6407	-66.0481	-163.9597	-0.7708
Sotano	143	5	S6.1	Combination	Max	-5.1803	79.3823	857.3145	76.0033	44.1098	1.2479
Sotano	143	5	S6.1	Combination	Min	-50.3184	8.7123	686.4296	-136.393	-92.4535	-1.0826
Sotano	143	5	S8	Combination	Max	-3.168	62.2636	963.5736	-9.8209	71.9431	0.7354
Sotano	143	5	S8	Combination	Min	-71.8618	44.2171	886.7267	-63.6008	-137.7386	-0.5448
Sotano	143	5	S8.1	Combination	Max	-20.5881	79.7417	989.232	42.9378	18.3135	0.9692
Sotano	143	5	S8.1	Combination	Min	-54.4417	26.7391	861.0683	-116.3594	-84.109	-0.7786
Sotano	143	5	S10	Combination	Max	29.1463	38.4594	514.3545	17.7363	125.2847	0.903
Sotano	143	5	S10	Combination	Min	-62.4455	14.3974	411.8919	-53.9702	-154.2909	-0.8038
Sotano	143	5	S10.1	Combination	Max	5.9194	61.7634	548.5657	88.0812	53.7785	1.2148
Sotano	143	5	S10.1	Combination	Min	-39.2187	-8.9066	377.6808	-124.3151	-82.7848	-1.1156
Sotano	143	5	Envol	Combination	Max	41.1647	127.6224	1300.2411	115.5197	180.092	1.7809
Sotano	143	5	Envol	Combination	Min	-111.3008	2.5275	640.5093	-204.6113	-238.5205	-1.5942
Sotano	143	5	EnvolS	Combination	Max	29.1463	79.7417	989.232	88.0812	125.2847	1.2479
Sotano	143	5	EnvolS	Combination	Min	-73.5453	-8.9066	377.6808	-136.393	-163.9597	-1.1156
Sotano	143	5	S3	Combination		-27.4748	45.3812	792.194	-31.2335	-23.839	0.0784
Sotano	143	5	C4.1	Combination		-46.3221	65.113	1130.5607	-44.922	-40.6479	0.1158
Sotano	143	5	C3.1	Combination		-45.7228	68.0447	1175.1443	-47.2076	-39.9313	0.1059
Sotano	145	7	Pp	LinStatic		-1.9095	6.994	135.8547	-1.3438	-0.4463	0.0004
Sotano	145	7	L	LinStatic		-2.8407	0.0257	45.288	2.5417	-2.2994	0.0211
Sotano	145	7	D	LinStatic		-7.3802	0.727	112.398	5.0709	-6.6549	0.0822
Sotano	145	7	Sismo X	LinStatic		-322.0262	22.3454	404.9487	-57.2915	-1133.9811	4.8981
Sotano	145	7	Sismo Y	LinStatic		11.3465	-279.4478	395.2774	869.4675	32.7187	-1.1907
Sotano	145	7	Le	LinStatic		0.5054	3.8927	11.0423	-3.2	0.6149	-0.009
Sotano	145	7	Der X	LinRespSpec	Max	224.8402	17.2656	318.194	47.8305	799.2956	3.595
Sotano	145	7	Der Y	LinRespSpec	Max	52.5256	209.9168	343.0109	652.0694	178.1242	6.4874
Sotano	145	7	Dis. X	LinRespSpec	Max	49.4688	3.7987	70.0083	10.5236	175.8593	0.791
Sotano	145	7	Dis. Y	LinRespSpec	Max	11.5566	46.1854	75.4685	143.4668	39.1905	1.4273
Sotano	145	7	Lr	LinStatic		0.2518	1.9488	5.52	-1.602	0.3118	-0.0042
Sotano	145	7	Ez	LinStatic		0.3903	7.1257	34.3425	-3.1209	1.8483	-0.004
Sotano	145	7	C1	Combination		-13.0056	10.8094	347.5538	5.2179	-9.9417	0.1157
Sotano	145	7	C2	Combination		-15.5669	10.2808	373.1241	7.7382	-12.0446	0.1308
Sotano	145	7	C2.1	Combination		-15.4401	11.2527	375.8852	6.9392	-11.893	0.1284
Sotano	145	7	C3	Combination		-13.5855	12.4091	352.0233	4.451	-10.322	0.1135
Sotano	145	7	C4	Combination		-13.8625	10.2654	345.9513	6.2132	-10.665	0.1181
Sotano	145	7	C5	Combination	Max	39.3377	34.071	470.1826	57.4568	178.6439	1.3354
Sotano	145	7	C5	Combination	Min	-66.5339	-1.2377	284.8848	-49.6704	-196.5889	-1.1029
Sotano	145	7	C5.1	Combination	Max	12.7991	63.7417	474.0047	150.5171	82.9757	1.7809
Sotano	145	7	C5.1	Combination	Min	-39.9953	-30.9084	281.0627	-142.7306	-100.9208	-1.5483
Sotano	145	7	C6	Combination		-8.3608	6.9489	223.4274	3.3544	-6.3911	0.0744
Sotano	145	7	C7	Combination	Max	44.9653	31.7289	350.4188	53.797	183.0736	1.2896
Sotano	145	7	C7	Combination	Min	-60.9063	-3.5798	165.121	-53.3302	-192.1592	-1.1488

Table 1.5 - Joint Reactions (continued)

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX kN	FY kN	FZ kN	MX kN-m	MY kN-m	MZ kN-m
Sotano	145	7	C7.1	Combination	Max	18.4267	61.3996	354.2409	146.8573	87.4055	1.735
Sotano	145	7	C7.1	Combination	Min	-34.3677	-33.2504	161.2989	-146.3904	-96.491	-1.5942
Sotano	145	7	S1	Combination		-9.2897	7.721	248.2527	3.7271	-7.1012	0.0826
Sotano	145	7	S2	Combination		-12.1305	7.7468	293.5407	6.2688	-9.4006	0.1037
Sotano	145	7	S4	Combination		-11.2314	9.202	286.3587	4.4318	-8.5919	0.0953
Sotano	145	7	S6	Combination	Max	27.7653	20.0791	313.1069	41.2216	124.2303	0.9361
Sotano	145	7	S6	Combination	Min	-46.3448	-4.637	183.3985	-33.7674	-138.4327	-0.7708
Sotano	145	7	S6.1	Combination	Max	9.1883	40.8485	315.7824	106.3638	57.2626	1.2479
Sotano	145	7	S6.1	Combination	Min	-27.7678	-25.4065	180.723	-98.9096	-71.465	-1.0826
Sotano	145	7	S8	Combination	Max	16.5599	18.4705	334.9994	32.5527	89.9067	0.7354
Sotano	145	7	S8	Combination	Min	-39.0227	-0.0666	237.7181	-23.6891	-107.0905	-0.5448
Sotano	145	7	S8.1	Combination	Max	2.6271	34.0476	337.006	81.4094	39.6809	0.9692
Sotano	145	7	S8.1	Combination	Min	-25.09	-15.6437	235.7115	-72.5457	-56.8648	-0.7786
Sotano	145	7	S10	Combination	Max	31.4812	16.9907	213.8058	39.7308	127.0707	0.903
Sotano	145	7	S10	Combination	Min	-42.6289	-7.7254	84.0974	-35.2583	-135.5922	-0.8038
Sotano	145	7	S10.1	Combination	Max	12.9042	37.7601	216.4813	104.873	60.103	1.2148
Sotano	145	7	S10.1	Combination	Min	-24.0519	-28.4949	81.4219	-100.4004	-68.6245	-1.1156
Sotano	145	7	Envol	Combination	Max	44.9653	63.7417	474.0047	150.5171	183.0736	1.7809
Sotano	145	7	Envol	Combination	Min	-66.5339	-33.2504	161.2989	-146.3904	-196.5889	-1.5942
Sotano	145	7	EnvolS	Combination	Max	31.4812	40.8485	337.006	106.3638	127.0707	1.2479
Sotano	145	7	EnvolS	Combination	Min	-46.3448	-28.4949	81.4219	-100.4004	-138.4327	-1.1156
Sotano	145	7	S3	Combination		-9.038	9.6699	253.7727	2.1251	-6.7894	0.0784
Sotano	145	7	C4.1	Combination		-13.7357	11.2373	348.7124	5.4142	-10.5134	0.1158
Sotano	145	7	C3.1	Combination		-13.1798	15.5192	360.8589	1.8941	-9.837	0.1059

1.4 Modal Results

Table 1.6 - Modal Periods And Frequencies

Case	Mode	Period sec	Frequency cyc/sec	CircFreq rad/sec	Eigenvalue rad2/sec2
Modal	1	0.679	1.472	9.2479	85.5245
Modal	2	0.676	1.48	9.2987	86.4663
Modal	3	0.62	1.613	10.136	102.7377
Modal	4	0.384	2.602	16.3499	267.32
Modal	5	0.282	3.552	22.3161	498.0089
Modal	6	0.28	3.57	22.432	503.1964
Modal	7	0.21	4.773	29.9907	899.4404
Modal	8	0.202	4.959	31.1593	970.9023
Modal	9	0.187	5.344	33.5794	1127.5794
Modal	10	0.171	5.853	36.778	1352.6243
Modal	11	0.162	6.175	38.8018	1505.5763
Modal	12	0.156	6.425	40.367	1629.4928
Modal	13	0.15	6.67	41.9082	1756.301
Modal	14	0.149	6.707	42.1389	1775.6892
Modal	15	0.134	7.44	46.7441	2185.0144
Modal	16	0.131	7.623	47.8982	2294.2336

Table 1.6 - Modal Periods And Frequencies (continued)

Case	Mode	Period sec	Frequency cyc/sec	CircFreq rad/sec	Eigenvalue rad2/sec2
Modal	17	0.129	7.756	48.7344	2375.0447
Modal	18	0.125	8.02	50.3938	2539.5323
Modal	19	0.117	8.532	53.6054	2873.5375
Modal	20	0.115	8.662	54.4251	2962.09
Modal	21	0.111	8.973	56.3814	3178.8678
Modal	22	0.108	9.271	58.2497	3393.025
Modal	23	0.107	9.355	58.7767	3454.7003
Modal	24	0.105	9.526	59.8517	3582.229
Modal	25	0.101	9.932	62.4069	3894.6242
Modal	26	0.09	11.115	69.8372	4877.2295
Modal	27	0.086	11.562	72.6451	5277.3167
Modal	28	0.085	11.828	74.3189	5523.3028
Modal	29	0.081	12.342	77.5501	6014.0149
Modal	30	0.078	12.886	80.9655	6555.405
Modal	31	0.076	13.178	82.7971	6855.3568
Modal	32	0.07	14.307	89.8911	8080.413
Modal	33	0.069	14.399	90.4734	8185.4312
Modal	34	0.067	14.858	93.3584	8715.799
Modal	35	0.067	14.985	94.1548	8865.1299

Table 1.7 - Modal Participating Mass Ratios (Part 1 of 2)

Case	Mode	Period sec	UX	UY	UZ	SumUX	SumUY	SumUZ	RX	RY
Modal	1	0.679	0.701	0.002	0	0.701	0.002	0	0.0008	0.32
Modal	2	0.676	0.0034	0.7228	0	0.7045	0.7248	0	0.2717	0.0009
Modal	3	0.62	0.0069	0.0233	0	0.7114	0.7481	0	0.0062	3.984E-06
Modal	4	0.384	0	0.0015	0	0.7114	0.7497	0	0.0009	0
Modal	5	0.282	0.0002	0	0	0.7116	0.7497	0	7.246E-07	0.0003
Modal	6	0.28	0.0057	1.727E-06	0	0.7173	0.7497	0	2.098E-06	0.0086
Modal	7	0.21	0.0011	0.1318	0	0.7185	0.8814	0	0.4488	0.0028
Modal	8	0.202	0.1194	0.0012	0	0.8379	0.8826	0	0.004	0.3073
Modal	9	0.187	0.0298	0.0002	0	0.8677	0.8829	0	0.0007	0.0748
Modal	10	0.171	0.0043	0.001	0	0.872	0.8839	0	0.0034	0.0089
Modal	11	0.162	0.0028	0.0093	0	0.8748	0.8932	0	0.0291	0.0083
Modal	12	0.156	7.854E-06	0.0093	0	0.8748	0.9025	0	0.0271	0.0001
Modal	13	0.15	0.0037	0.0014	0	0.8784	0.9039	0	0.004	0.0097
Modal	14	0.149	0.0015	0.0006	0	0.88	0.9045	0	0.0017	0.0033
Modal	15	0.134	4.926E-05	1.148E-06	0	0.88	0.9046	0	1.479E-06	0.0002
Modal	16	0.131	0.0006	1.91E-05	0	0.8806	0.9046	0	4.17E-05	0.0015
Modal	17	0.129	0.0056	0.0026	0	0.8862	0.9071	0	0.0056	0.0128
Modal	18	0.125	0.0004	0.0006	0	0.8866	0.9077	0	0.0014	0.0007
Modal	19	0.117	1.318E-05	0.0078	0	0.8866	0.9155	0	0.0142	3.474E-05
Modal	20	0.115	0.0002	0.0136	0	0.8868	0.9291	0	0.0243	0.0004
Modal	21	0.111	0.0057	0	0	0.8925	0.9291	0	0	0.011
Modal	22	0.108	0.005	0.0032	0	0.8975	0.9323	0	0.0051	0.0093
Modal	23	0.107	0.0139	0.0133	0	0.9114	0.9456	0	0.0207	0.0254
Modal	24	0.105	0.013	0.0088	0	0.9244	0.9544	0	0.013	0.0234
Modal	25	0.101	0.0261	0.0001	0	0.9505	0.9545	0	0.0002	0.0462
Modal	26	0.09	3.983E-05	0.0047	0	0.9505	0.9593	0	0.0086	0.0001

Table 1.7 - Modal Participating Mass Ratios (Part 1 of 2, continued)

Case	Mode	Period sec	UX	UY	UZ	SumUX	SumUY	SumUZ	RX	RY
Modal	27	0.086	0.0002	0.0021	0	0.9507	0.9614	0	0.0044	0.0003
Modal	28	0.085	0.0003	2.205E-05	0	0.951	0.9614	0	4.577E-05	0.0005
Modal	29	0.081	0.0017	3.615E-05	0	0.9527	0.9614	0	0.0001	0.0034
Modal	30	0.078	2.378E-06	0.015	0	0.9527	0.9764	0	0.0386	2.745E-06
Modal	31	0.076	0	0.0221	0	0.9527	0.9985	0	0.0619	1.721E-06
Modal	32	0.07	0.0024	0.0001	0	0.9551	0.9986	0	0.0005	0.0065
Modal	33	0.069	0.007	0.0003	0	0.962	0.9988	0	0.0009	0.0197
Modal	34	0.067	0.0113	1.471E-06	0	0.9733	0.9988	0	4.715E-06	0.0267
Modal	35	0.067	0.0005	0	0	0.9738	0.9988	0	4.689E-06	0.0013

Table 1.7 - Modal Participating Mass Ratios (Part 2 of 2)

RZ	SumRX	SumRY	SumRZ
0.0107	0.0008	0.32	0.0107
0.0201	0.2725	0.321	0.0308
0.6928	0.2787	0.321	0.7236
5.833E-06	0.2795	0.321	0.7236
3.428E-05	0.2795	0.3212	0.7237
0.0006	0.2795	0.3299	0.7242
0.0026	0.7283	0.3327	0.7269
0.0324	0.7323	0.64	0.7593
0.1209	0.733	0.7148	0.8802
0.0001	0.7364	0.7237	0.8803
0.0002	0.7654	0.732	0.8804
0.0068	0.7925	0.732	0.8872
0.0005	0.7965	0.7418	0.8878
0.0004	0.7982	0.7451	0.8882
6.529E-06	0.7982	0.7453	0.8882
0.0012	0.7982	0.7468	0.8893
0.002	0.8038	0.7596	0.8913
0.0004	0.8052	0.7603	0.8918
2.182E-05	0.8194	0.7603	0.8918
0.0001	0.8437	0.7607	0.8919
0.0015	0.8437	0.7718	0.8934
0.0126	0.8488	0.7811	0.906
0.0055	0.8694	0.8065	0.9115
0.0129	0.8824	0.8299	0.9244
0.0171	0.8826	0.876	0.9415
0.0003	0.8912	0.8762	0.9418
0.0002	0.8955	0.8765	0.9419
0	0.8956	0.877	0.9419
0.0031	0.8956	0.8804	0.945
0.0007	0.9342	0.8804	0.9458
0.0002	0.9961	0.8804	0.946
0.0088	0.9966	0.887	0.9548
0.0262	0.9975	0.9067	0.981
0.0015	0.9975	0.9333	0.9826
4.251E-05	0.9975	0.9346	0.9826

Table 1.8 - Modal Participation Factors

Case	Mode	Period sec	UX kN-m	UY kN-m	UZ kN-m	RX kN-m	RY kN-m	RZ kN-m	ModalMass kN-m-s2	ModalStiff kN-m
Modal	1	0.679	3.4E-05	-2E-06	0	0.003966	0.080303	0.052558	1E-06	9E-05
Modal	2	0.676	-2E-06	-3.5E-05	0	0.073995	-0.004357	0.07227	1E-06	9E-05
Modal	3	0.62	-3E-06	6E-06	0	-0.011165	-0.000283	0.423777	1E-06	0.0001
Modal	4	0.384	1.696E-08	-2E-06	0	-0.004145	-4.4E-05	-0.00123	1E-06	0.00027
Modal	5	0.282	1E-06	2.4E-08	0	0.000121	-0.002401	-0.002981	1E-06	0.0005
Modal	6	0.28	3E-06	-5.393E-08	0	-0.000206	-0.013189	-0.0121	1E-06	0.0005
Modal	7	0.21	1E-06	1.5E-05	0	0.095098	-0.007515	-0.026104	1E-06	0.0009
Modal	8	0.202	1.4E-05	-1E-06	0	-0.008936	-0.078689	-0.091701	1E-06	0.00097
Modal	9	0.187	-7E-06	-1E-06	0	-0.003751	0.038834	-0.176991	1E-06	0.00113
Modal	10	0.171	3E-06	-1E-06	0	-0.008276	-0.01337	-0.004941	1E-06	0.00135
Modal	11	0.162	2E-06	-4E-06	0	-0.024197	-0.012944	0.007086	1E-06	0.00151
Modal	12	0.156	-1.15E-07	-4E-06	0	-0.023358	0.001031	-0.041912	1E-06	0.00163
Modal	13	0.15	2E-06	2E-06	0	0.00895	-0.013999	-0.011781	1E-06	0.00176
Modal	14	0.149	-2E-06	-1E-06	0	-0.005849	0.008173	-0.010213	1E-06	0.00178
Modal	15	0.134	-2.88E-07	-4.396E-08	0	-0.000173	0.002057	0.001301	1E-06	0.00219
Modal	16	0.131	-1E-06	-1.793E-07	0	-0.000917	0.00549	0.01735	1E-06	0.00229
Modal	17	0.129	-3E-06	-2E-06	0	-0.010598	0.01604	0.022793	1E-06	0.00238
Modal	18	0.125	-1E-06	1E-06	0	0.005237	0.003873	0.01064	1E-06	0.00254
Modal	19	0.117	-1.489E-07	-4E-06	0	-0.016945	0.000837	0.002378	1E-06	0.00287
Modal	20	0.115	1E-06	-5E-06	0	-0.022106	-0.002884	-0.004223	1E-06	0.00296
Modal	21	0.111	3E-06	-1.805E-08	0	-8.4E-05	-0.014917	0.019996	1E-06	0.00318
Modal	22	0.108	-3E-06	-2E-06	0	-0.010115	0.013663	0.057183	1E-06	0.00339
Modal	23	0.107	-5E-06	5E-06	0	0.020404	0.022643	-0.037655	1E-06	0.00345
Modal	24	0.105	5E-06	4E-06	0	0.016191	-0.021711	0.057908	1E-06	0.00358
Modal	25	0.101	7E-06	-4.7E-07	0	-0.00181	-0.030499	-0.066539	1E-06	0.00389
Modal	26	0.09	-2.589E-07	3E-06	0	0.013151	0.001519	-0.008138	1E-06	0.00488
Modal	27	0.086	-1E-06	-2E-06	0	-0.00938	0.002497	0.006607	1E-06	0.00528
Modal	28	0.085	-1E-06	-1.926E-07	0	-0.00096	0.003266	7.1E-05	1E-06	0.00552
Modal	29	0.081	-2E-06	2.467E-07	0	0.001116	0.00832	0.028405	1E-06	0.00601
Modal	30	0.078	-6.327E-08	-5E-06	0	-0.027879	0.000235	-0.013921	1E-06	0.00656
Modal	31	0.076	-6.882E-09	6E-06	0	0.035324	-0.000186	-0.007971	1E-06	0.00686
Modal	32	0.07	2E-06	3.204E-07	0	0.003043	-0.011462	-0.047776	1E-06	0.00808
Modal	33	0.069	-3E-06	1E-06	0	0.004263	0.019927	0.082401	1E-06	0.00819
Modal	34	0.067	4E-06	4.975E-08	0	-0.000308	-0.023174	0.020011	1E-06	0.00872
Modal	35	0.067	-1E-06	-7.955E-09	0	0.000307	0.005067	-0.003319	1E-06	0.00887

Table 1.9 - Modal Load Participation Ratios

Case	ItemType	Item	Static %	Dynamic %
Modal	Acceleration	UX	99.97	97.38
Modal	Acceleration	UY	100	99.88
Modal	Acceleration	UZ	0	0

Table 1.10 - Modal Direction Factors

Case	Mode	Period sec	UX	UY	UZ	RZ
Modal	1	0.679	0.991	0.003	0	0.006
Modal	2	0.676	0.004	0.968	0	0.028
Modal	3	0.62	0.009	0.031	0	0.96

Table 1.10 - Modal Direction Factors (continued)

Case	Mode	Period sec	UX	UY	UZ	RZ
Modal	4	0.384	0	0.998	0	0.002
Modal	5	0.282	0.369	0.001	0	0.63
Modal	6	0.28	0.806	0	0	0.193
Modal	7	0.21	0.006	0.967	0	0.026
Modal	8	0.202	0.671	0.008	0	0.32
Modal	9	0.187	0.209	0.002	0	0.789
Modal	10	0.171	0.027	0.009	0	0.965
Modal	11	0.162	0.119	0.474	0	0.406
Modal	12	0.156	0.001	0.148	0	0.852
Modal	13	0.15	0.046	0.02	0	0.934
Modal	14	0.149	0.004	0.003	0	0.993
Modal	15	0.134	0.002	0	0	0.998
Modal	16	0.131	0.008	0	0	0.991
Modal	17	0.129	0.063	0.044	0	0.893
Modal	18	0.125	0.015	0.017	0	0.968
Modal	19	0.117	0	0.94	0	0.06
Modal	20	0.115	0.006	0.486	0	0.507
Modal	21	0.111	0.529	0	0	0.471
Modal	22	0.108	0.165	0.171	0	0.664
Modal	23	0.107	0.371	0.425	0	0.204
Modal	24	0.105	0.254	0.211	0	0.536
Modal	25	0.101	0.64	0.007	0	0.353
Modal	26	0.09	0.002	0.213	0	0.785
Modal	27	0.086	0.009	0.148	0	0.843
Modal	28	0.085	0.368	0.02	0	0.613
Modal	29	0.081	0.204	0.004	0	0.793
Modal	30	0.078	0	0.519	0	0.481
Modal	31	0.076	0	0.781	0	0.219
Modal	32	0.07	0.039	0.016	0	0.945
Modal	33	0.069	0.111	0.007	0	0.882
Modal	34	0.067	0.184	0.006	0	0.811
Modal	35	0.067	0.328	0.087	0	0.586