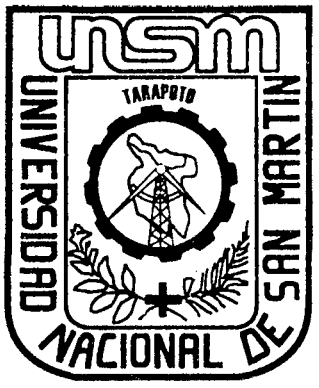
UNIVERSIDAD NACIONAL DE SAN MARTÍN

FACULTAD DE INGENIERIA CIVIL



"ANALISIS Y DISEÑO OPTIMIZADO DE TECHADO DE PISCINA SEMIOLIMPICA Y SERVICIOS COMPLEMENTARIOS - UNSM"

(TOMO II)

TESIS

PARA OPTAR EL TÍTULO PROFESIONAL DE:

INGENIERO CIVIL

POR:

BACH. MIGUEL ANGEL CHAVEZ TELLO

ASESOR : ING. DANIEL DIAZ PEREZ

TARAPOTO - PERÚ

2008

UNIVERSIDAD NACIONAL DE SAN MARTÍN
FACULTAD DE INGENIERIA CIVIL

"ANALISIS Y DISEÑO OPTIMIZADO DE TECHADO DE PISCINA SEMIOLIMPICA Y SERVICIOS COMPLEMENTARIOS - UNSM"

TESIS

PRESENTADA PARA OPTAR EL TITULO PROFESIONAL DE

INGENIERO CIVIL

POR:

BACH. MIGUEL ANGEL CHAVEZ TELLO

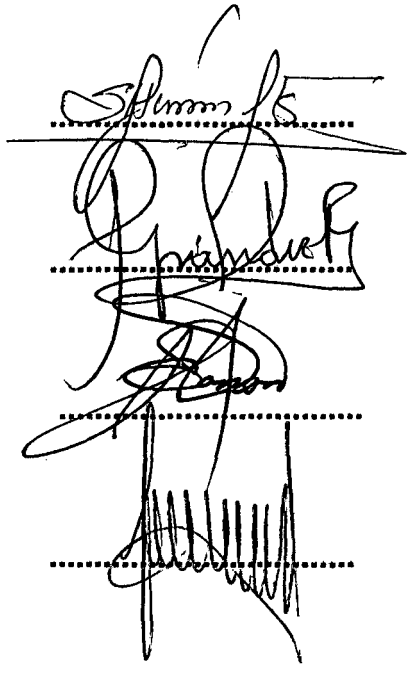
SUSTENTADA Y APROBADA ANTE EL HONORABLE JURADO:

ING° SANTIAGO CHAVEZ CACHAY
Presidente

ING° PEGGY GRANDEZ RODRIGUEZ
Secretaria

MSc. ING° JOSE EVERGISTO ALARCON ZAMORA
Miembro

ING° DANIEL DIAZ PEREZ
Asesor



ARCO METALICO AS-2

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO AS-2 (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames

ELE.	Stat.	OutputCase	P	V2	M3
Text	m	Text	Ton	Ton	Ton-m
		BRIDA SUPERIOR			
1766	0.00	DEAD	-9.30E-02	-8.02E-04	4.51E-04
	0.73	DEAD	-8.74E-02	3.41E-03	-5.08E-04
	0.00	COBERT	1.09E-01	2.69E-04	8.25E-05
	0.73	COBERT	1.09E-01	2.69E-04	-1.15E-04
	0.00	CORREAS	-1.63E-02	8.28E-05	2.57E-05
	0.73	CORREAS	-1.63E-02	8.28E-05	-3.52E-05
	0.00	VIVA	4.38E-01	1.08E-03	3.30E-04
	0.73	VIVA	4.38E-01	1.08E-03	-4.60E-04
	0.00	VIENTO	6.33E-01	1.55E-03	4.77E-04
	0.73	VIENTO	6.33E-01	1.55E-03	-6.65E-04
	0.00	ESPECTRO	1.38E-02	4.96E-05	9.17E-06
	0.73	ESPECTRO	1.38E-02	4.96E-05	4.54E-05
1767	0.00	DEAD	-1.37E-01	1.72E-04	3.68E-04
	0.53	DEAD	-1.33E-01	3.39E-03	-5.81E-04
	0.00	COBERT	1.90E-01	-2.48E-04	-1.39E-04
	0.53	COBERT	1.90E-01	-2.48E-04	-7.07E-06
	0.00	CORREAS	-3.90E-02	2.99E-05	2.81E-05
	0.53	CORREAS	-3.90E-02	2.99E-05	1.22E-05
	0.00	VIVA	7.58E-01	-9.94E-04	-5.57E-04
	0.53	VIVA	7.58E-01	-9.94E-04	-2.83E-05
	0.00	VIENTO	1.10E+00	-1.44E-03	-8.05E-04
	0.53	VIENTO	1.10E+00	-1.44E-03	-4.08E-05
	0.00	ESPECTRO	2.02E-02	3.66E-04	1.34E-04
	0.53	ESPECTRO	2.02E-02	3.66E-04	6.04E-05
1768	0.00	DEAD	-1.72E-01	1.26E-03	7.39E-04
	0.53	DEAD	-1.69E-01	4.62E-03	-8.24E-04
	0.00	COBERT	1.48E-01	-1.51E-04	-7.70E-05
	0.53	COBERT	1.48E-01	-1.51E-04	3.47E-06
	0.00	CORREAS	-4.95E-02	6.31E-04	1.88E-04
	0.53	CORREAS	-4.95E-02	6.31E-04	-1.47E-04
	0.00	VIVA	5.94E-01	-6.05E-04	-3.08E-04
	0.53	VIVA	5.94E-01	-6.05E-04	1.39E-05
	0.00	VIENTO	8.58E-01	-8.74E-04	-4.45E-04
	0.53	VIENTO	8.58E-01	-8.74E-04	2.01E-05
	0.00	ESPECTRO	1.79E-02	7.36E-04	2.12E-04
	0.53	ESPECTRO	1.79E-02	7.36E-04	1.79E-04
1769	0.00	DEAD	-2.21E-01	1.08E-03	6.61E-04
	0.53	DEAD	-2.17E-01	4.57E-03	-8.38E-04
	0.00	COBERT	1.03E-01	-9.72E-06	-2.76E-05
	0.53	COBERT	1.03E-01	-9.72E-06	-2.25E-05
	0.00	CORREAS	-7.80E-02	3.70E-04	1.14E-04
	0.53	CORREAS	-7.80E-02	3.70E-04	-8.27E-05
	0.00	VIVA	4.11E-01	-3.89E-05	-1.11E-04
	0.53	VIVA	4.11E-01	-3.89E-05	-8.98E-05
	0.00	VIENTO	5.94E-01	-5.61E-05	-1.60E-04
	0.53	VIENTO	5.94E-01	-5.61E-05	-1.30E-04
	0.00	ESPECTRO	2.32E-02	6.25E-04	1.61E-04
	0.53	ESPECTRO	2.32E-02	6.25E-04	1.72E-04
1770	0.00	DEAD	-2.78E-01	1.20E-03	7.10E-04
	0.53	DEAD	-2.74E-01	4.82E-03	-8.90E-04
	0.00	COBERT	8.40E-02	6.17E-05	-6.70E-06
	0.53	COBERT	8.40E-02	6.17E-05	-3.95E-05
	0.00	CORREAS	-9.92E-02	8.01E-04	2.29E-04
	0.53	CORREAS	-9.92E-02	8.01E-04	-1.97E-04
	0.00	VIVA	3.36E-01	2.47E-04	-2.68E-05
	0.53	VIVA	3.36E-01	2.47E-04	-1.58E-04
	0.00	VIENTO	4.85E-01	3.57E-04	-3.87E-05
	0.53	VIENTO	4.85E-01	3.57E-04	-2.28E-04
	0.00	ESPECTRO	3.07E-02	6.32E-04	1.56E-04
	0.53	ESPECTRO	3.07E-02	6.32E-04	1.80E-04
1771	0.00	DEAD	-3.39E-01	1.22E-03	7.20E-04
	0.53	DEAD	-3.36E-01	4.96E-03	-9.19E-04
	0.00	COBERT	6.71E-02	1.37E-04	1.57E-05
	0.53	COBERT	6.71E-02	1.37E-04	-5.70E-05
	0.00	CORREAS	-1.34E-01	5.23E-04	1.55E-04
	0.53	CORREAS	-1.34E-01	5.23E-04	-1.23E-04
	0.00	VIVA	2.69E-01	5.47E-04	6.27E-05
	0.53	VIVA	2.69E-01	5.47E-04	-2.28E-04
	0.00	VIENTO	3.88E-01	7.91E-04	9.06E-05
	0.53	VIENTO	3.88E-01	7.91E-04	-3.29E-04
	0.00	ESPECTRO	3.83E-02	6.17E-04	1.45E-04
	0.53	ESPECTRO	3.83E-02	6.17E-04	1.84E-04
	0.00	DEAD	-4.00E-01	1.24E-03	7.24E-04
	0.53	DEAD	-3.97E-01	5.09E-03	-9.55E-04
	0.00	COBERT	3.98E-02	2.11E-04	3.81E-05
	0.53	COBERT	3.98E-02	2.11E-04	-7.40E-05

ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
		BRIDA SUPERIOR					
1766							
	COMB1	0.0002	0.0081	-0.0006	0.0053	0.0008	-0.0009
	COMB2	0.7008	0.7075	0.0012	0.0062	0.0012	-0.0015
	COMB3	1.0415	1.0482	0.0020	0.0071	0.0015	-0.0019
	COMB4	-0.6032	-0.5965	-0.0020	0.0030	0.0002	-0.0002
	COMB5	0.5063	0.5130	0.0007	0.0058	0.0011	-0.0013
	COMB6	-0.5058	-0.4992	-0.0018	0.0033	0.0003	-0.0003
	COMB7	0.8225	0.8292	0.0016	0.0065	0.0011	-0.0017
	COMB8	-0.8222	-0.8172	-0.0024	0.0014	-0.0001	0.0003
	COMB9	0.2330	0.2397	0.0000	0.0051	0.0008	-0.0010
	COMB10	0.0140	0.0190	-0.0004	0.0034	0.0005	-0.0005
1767							
	COMB1	0.0186	0.0241	-0.0001	0.0044	0.0004	-0.0008
	COMB2	1.2292	1.2339	-0.0016	0.0022	-0.0006	-0.0007
	COMB3	1.8192	1.8239	-0.0024	0.0014	-0.0010	-0.0008
	COMB4	-1.0290	-1.0243	0.0013	0.0052	0.0011	-0.0007
	COMB5	0.8923	0.8970	-0.0012	0.0027	-0.0003	-0.0007
	COMB6	-0.8604	-0.8557	0.0011	0.0050	0.0010	-0.0007
	COMB7	1.4361	1.4447	-0.0019	0.0019	-0.0008	-0.0007
	COMB8	-1.4121	-1.4086	0.0018	0.0047	0.0013	-0.0005
	COMB9	0.4153	0.4200	-0.0002	0.0037	0.0002	-0.0006
	COMB10	0.0322	0.0357	0.0003	0.0032	0.0004	-0.0005
1768							
	COMB1	-0.1028	-0.0975	0.0024	0.0071	0.0012	-0.0014
	COMB2	0.8617	0.8662	0.0011	0.0051	0.0005	-0.0011
	COMB3	1.3236	1.3281	0.0006	0.0047	0.0003	-0.0011
	COMB4	-0.9062	-0.9017	0.0029	0.0070	0.0014	-0.0012
	COMB5	0.5979	0.6025	0.0014	0.0054	0.0007	-0.0011
	COMB6	-0.7742	-0.7697	0.0028	0.0068	0.0014	-0.0012
	COMB7	1.0488	1.0313	0.0004	0.0050	0.0002	-0.0011
	COMB8	-1.1810	-1.1776	0.0027	0.0057	0.0013	-0.0009
	COMB9	0.2265	0.2311	0.0025	0.0066	0.0011	-0.0010
	COMB10	-0.0482	-0.0448	0.0023	0.0053	0.0010	-0.0007
1769							
	COMB1	-0.2748	-0.2697	0.0020	0.0069	0.0010	-0.0013
	COMB2	0.4224	0.4268	0.0017	0.0058	0.0007	-0.0013
	COMB3	0.7424	0.7468	0.0016	0.0058	0.0006	-0.0013
	COMB4	-0.8023	-0.7979	0.0018	0.0060	0.0010	-0.0010
	COMB5	0.2397	0.2441	0.0017	0.0059	0.0008	-0.0012
	COMB6	-0.7108	-0.7064	0.0018	0.0060	0.0010	-0.0010
	COMB7	0.5957	0.5412	0.0012	0.0058	0.0005	-0.0013
	COMB8	-0.9490	-0.9457	0.0014	0.0045	0.0009	-0.0007
	COMB9	-0.0067	-0.0023	0.0023	0.0065	0.0010	-0.0010
	COMB10	-0.1534	-0.1501	0.0019	0.0051	0.0008	-0.0007
1770							
	COMB1	-0.4103	-0.4053	0.0029	0.0080	0.0013	-0.0016
	COMB2	0.1859	0.1901	0.0029	0.0072	0.0011	-0.0016
	COMB3	0.4473	0.4516	0.0031	0.0074	0.0011	-0.0017
	COMB4	-0.8147	-0.8105	0.0021	0.0065	0.0012	-0.0011
	COMB5	0.0366	0.0409	0.0028	0.0071	0.0011	-0.0015
	COMB6	-0.7400	-0.7358	0.0022	0.0065	0.0011	-0.0012
	COMB7	0.3672	0.2836	0.0023	0.0073	0.0008	-0.0016
	COMB8	-0.8948	-0.8916	0.0014	0.0047	0.0009	-0.0007
	COMB9	-0.1530	-0.1488	0.0032	0.0076	0.0013	-0.0012
	COMB10	-0.2331	-0.2299	0.0025	0.0057	0.0010	-0.0008
1771							
	COMB1	-0.5680	-0.5632	0.0026	0.0079	0.0012	-0.0015
	COMB2	-0.0572	-0.0531	0.0031	0.0076	0.0012	-0.0017
	COMB3	0.1517	0.1558	0.0036	0.0080	0.0012	-0.0019
	COMB4	-0.8569	-0.8528	0.0015	0.0060	0.0010	-0.0010
	COMB5	-0.1765	-0.1724	0.0029	0.0074	0.0011	-0.0016
	COMB6	-0.7972	-0.7931	0.0016	0.0061	0.0010	-0.0011
	COMB7	0.1391	0.0215	0.0027	0.0078	0.0009	-0.0017
	COMB8	-0.8694	-0.8664	0.0007	0.0040	0.0007	-0.0006
	COMB9	-0.3143	-0.3102	0.0031	0.0076	0.0012	-0.0012
	COMB10	-0.3269	-0.3238	0.0023	0.0057	0.0009	-0.0008
	COMB1	-0.7264	-0.7218	0.0033	0.0087	0.0014	-0.0018
	COMB2	-0.3681	-0.3642	0.0042	0.0088	0.0015	-0.0020
	COMB3	-0.2443	-0.2404	0.0049	0.0095	0.0016	-0.0022

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO AS-2 (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames

ELE.	Stat.	OutputCase	P	V2	M3	ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
Text	m	Text	Ton	Ton	Ton-m								
1772	0.00	CORREAS	-1.58E-01	9.43E-04	2.64E-04	1772	COMB4	-0.8419	-0.8380	0.0017	0.0063	0.0010	-0.0011
	0.53	CORREAS	-1.58E-01	9.43E-04	-2.37E-04		COMB5	-0.4388	-0.4349	0.0038	0.0085	0.0014	-0.0019
	0.00	VIVA	1.59E-01	8.45E-04	1.53E-04		COMB6	-0.8065	-0.8026	0.0019	0.0065	0.0011	-0.0012
	0.53	VIVA	1.59E-01	8.45E-04	-2.96E-04		COMB7	-0.1682	-0.3199	0.0037	0.0091	0.0012	-0.0021
	0.00	VIENTO	2.30E-01	1.22E-03	2.20E-04		COMB8	-0.7658	-0.7628	0.0006	0.0040	0.0006	-0.0006
	0.53	VIENTO	2.30E-01	1.22E-03	-4.28E-04		COMB9	-0.4976	-0.4937	0.0039	0.0085	0.0014	-0.0015
	0.00	ESPECTRO	4.55E-02	6.10E-04	1.34E-04		COMB10	-0.4215	-0.4186	0.0028	0.0062	0.0011	-0.0009
	0.53	ESPECTRO	4.55E-02	6.10E-04	1.91E-04								
1773	0.00	DEAD	-4.56E-01	7.68E-04	6.51E-04	1773							
	0.53	DEAD	-4.53E-01	4.74E-03	-8.09E-04		COMB1	-0.8929	-0.8885	0.0020	0.0076	0.0012	-0.0013
	0.00	COBERT	8.62E-03	2.08E-04	4.70E-05		COMB2	-0.7102	-0.7065	0.0030	0.0078	0.0013	-0.0016
	0.53	COBERT	8.62E-03	2.08E-04	-6.33E-05		COMB3	-0.6834	-0.6796	0.0037	0.0085	0.0015	-0.0018
	0.00	CORREAS	-1.91E-01	4.53E-04	1.51E-04		COMB4	-0.8128	-0.8091	0.0006	0.0053	0.0008	-0.0008
	0.53	CORREAS	-1.91E-01	4.53E-04	-8.97E-05		COMB5	-0.7255	-0.7218	0.0027	0.0074	0.0012	-0.0014
	0.00	VIVA	3.45E-02	8.32E-04	1.88E-04		COMB6	-0.8052	-0.8014	0.0008	0.0055	0.0008	-0.0009
	0.53	VIVA	3.45E-02	8.32E-04	-2.53E-04		COMB7	-0.5093	-0.6969	0.0028	0.0080	0.0011	-0.0016
	0.00	VIENTO	4.98E-02	1.20E-03	2.72E-04		COMB8	-0.6387	-0.6359	-0.0003	0.0033	0.0004	-0.0004
	0.53	VIENTO	4.98E-02	1.20E-03	-3.66E-04		COMB9	-0.6964	-0.6927	0.0026	0.0074	0.0012	-0.0011
	0.00	ESPECTRO	5.17E-02	4.73E-04	1.05E-04		COMB10	-0.5223	-0.5195	0.0018	0.0053	0.0009	-0.0007
	0.53	ESPECTRO	5.17E-02	4.73E-04	1.47E-04								
1774	0.00	DEAD	-5.00E-01	2.04E-03	1.01E-03	1774							
	0.53	DEAD	-4.97E-01	6.11E-03	-1.15E-03		COMB1	-1.0205	-1.0163	0.0054	0.0111	0.0021	-0.0022
	0.00	COBERT	-1.83E-02	4.23E-04	1.09E-04		COMB2	-0.9919	-0.9883	0.0073	0.0122	0.0025	-0.0027
	0.53	COBERT	-1.83E-02	4.23E-04	-1.15E-04		COMB3	-1.0489	-1.0453	0.0086	0.0135	0.0029	-0.0030
	0.00	CORREAS	-2.10E-01	1.38E-03	3.96E-04		COMB4	-0.7738	-0.7702	0.0023	0.0072	0.0012	-0.0013
	0.53	CORREAS	-2.10E-01	1.38E-03	-3.36E-04		COMB5	-0.9594	-0.9558	0.0066	0.0115	0.0023	-0.0025
	0.00	VIVA	-7.33E-02	1.69E-03	4.36E-04		COMB6	-0.7900	-0.7865	0.0027	0.0075	0.0013	-0.0014
	0.53	VIVA	-7.33E-02	1.69E-03	-4.62E-04		COMB7	-0.7936	-1.0087	0.0066	0.0127	0.0022	-0.0028
	0.00	VIENTO	-1.06E-01	2.45E-03	6.30E-04		COMB8	-0.5184	-0.5158	0.0003	0.0039	0.0005	-0.0006
	0.53	VIENTO	-1.06E-01	2.45E-03	-6.67E-04		COMB9	-0.8547	-0.8511	0.0063	0.0112	0.0022	-0.0019
	0.00	ESPECTRO	5.66E-02	8.63E-04	2.06E-04		COMB10	-0.5994	-0.5967	0.0043	0.0080	0.0016	-0.0012
	0.53	ESPECTRO	5.66E-02	8.63E-04	2.52E-04								
1775	0.00	DEAD	-5.36E-01	1.08E-03	6.53E-04	1775							
	0.53	DEAD	-5.33E-01	5.26E-03	-1.03E-03		COMB1	-1.1316	-1.1276	0.0028	0.0086	0.0012	-0.0018
	0.00	COBERT	-3.90E-02	3.37E-04	7.48E-05		COMB2	-1.2196	-1.2162	0.0045	0.0095	0.0015	-0.0022
	0.53	COBERT	-3.90E-02	3.37E-04	-1.04E-04		COMB3	-1.3410	-1.3376	0.0056	0.0106	0.0018	-0.0025
	0.00	CORREAS	-2.34E-01	5.65E-04	1.52E-04		COMB4	-0.7549	-0.7515	0.0005	0.0055	0.0006	-0.0010
	0.53	CORREAS	-2.34E-01	5.65E-04	-1.48E-04		COMB5	-1.1503	-1.1469	0.0039	0.0089	0.0014	-0.0020
	0.00	VIVA	-1.56E-01	1.35E-03	2.99E-04		COMB6	-0.7895	-0.7862	0.0008	0.0058	0.0007	-0.0011
	0.53	VIVA	-1.56E-01	1.35E-03	-4.14E-04		COMB7	-1.0205	-1.2596	0.0043	0.0099	0.0014	-0.0023
	0.00	VIENTO	-2.25E-01	1.94E-03	4.32E-04		COMB8	-0.4344	-0.4318	-0.0007	0.0030	0.0002	-0.0004
	0.53	VIENTO	-2.25E-01	1.94E-03	-5.98E-04		COMB9	-0.9882	-0.9848	0.0037	0.0087	0.0013	-0.0015
	0.00	ESPECTRO	5.97E-02	6.37E-04	1.14E-04		COMB10	-0.6677	-0.6652	0.0024	0.0062	0.0009	-0.0009
	0.53	ESPECTRO	5.97E-02	6.37E-04	2.24E-04								
1776	0.00	DEAD	-5.59E-01	8.46E-04	6.04E-04	1776							
	0.53	DEAD	-5.57E-01	5.12E-03	-9.75E-04		COMB1	-1.1993	-1.1955	0.0032	0.0092	0.0014	-0.0019
	0.00	COBERT	-5.31E-02	3.16E-04	7.07E-05		COMB2	-1.3676	-1.3644	0.0048	0.0099	0.0016	-0.0023
	0.53	COBERT	-5.31E-02	3.16E-04	-9.68E-05		COMB3	-1.5328	-1.5296	0.0057	0.0109	0.0018	-0.0026
	0.00	CORREAS	-2.44E-01	1.12E-03	3.01E-04		COMB4	-0.7354	-0.7322	0.0010	0.0061	0.0008	-0.0011
	0.53	CORREAS	-2.44E-01	1.12E-03	-2.93E-04		COMB5	-1.2733	-1.2701	0.0042	0.0093	0.0015	-0.0021
	0.00	VIVA	-2.12E-01	1.27E-03	2.83E-04		COMB6	-0.7826	-0.7794	0.0013	0.0064	0.0008	-0.0012
	0.53	VIVA	-2.12E-01	1.27E-03	-3.87E-04		COMB7	-1.1697	-1.4234	0.0044	0.0102	0.0014	-0.0024
	0.00	VIENTO	-3.07E-01	1.83E-03	4.09E-04		COMB8	-0.3723	-0.3699	-0.0003	0.0035	0.0003	-0.0005
	0.53	VIENTO	-3.07E-01	1.83E-03	-5.60E-04		COMB9	-1.0729	-1.0697	0.0040	0.0091	0.0014	-0.0016
	0.00	ESPECTRO	6.12E-02	6.11E-04	1.05E-04		COMB10	-0.7097	-0.7073	0.0027	0.0065	0.0010	-0.0010
	0.53	ESPECTRO	6.12E-02	6.11E-04	2.19E-04								
1777	0.00	DEAD	-5.72E-01	3.99E-04	4.78E-04	1777							
	0.53	DEAD	-5.69E-01	4.76E-03	-8.87E-04		COMB1	-1.2443	-1.2408	0.0015	0.0076	0.0009	-0.0015
	0.00	COBERT	-6.05E-02	2.56E-04	5.31E-05		COMB2	-1.4537	-1.4506	0.0029	0.0081	0.0011	-0.0018
	0.53	COBERT	-6.05E-02	2.56E-04	-8.24E-05		COMB3	-1.6419	-1.6389	0.0037	0.0089	0.0013	-0.0021
	0.00	CORREAS	-2.56E-01	3.87E-04	1.02E-04		COMB4	-0.7331	-0.7301	-0.0002	0.0051	0.0005	-0.0008
	0.53	CORREAS	-2.56E-01	3.87E-04	-1.03E-04		COMB5	-1.3462	-1.3432	0.0024	0.0077	0.0010	-0.0017
	0.00	VIVA	-2.42E-01	1.02E-03	2.12E-04		COMB6	-0.7869	-0.7839	0.0001	0.0053	0.0005	-0.0009
	0.53	VIVA	-2.42E-01	1.02E-03	-3.30E-04		COMB7	-1.2543	-1.5179	0.0029	0.0084	0.0010	-0.0019
	0.00	VIENTO	-3.50E-01	1.48E-03	3.07E-04		COMB8	-0.3455	-0.3433	-0.0010	0.0029	0.0002	-0.0003
	0.53	VIENTO	-3.50E-01	1.48E-03	-4.76E-04		COMB9	-1.1261	-1.1231	0.0023	0.0075	0.0009	-0.0012
	0.00	ESPECTRO	6.14E-02	5.37E-04	7.89E-05		COMB10	-0.7385	-0.7362	0.0015	0.0054	0.0006	-0.0008
	0.53	ESPECTRO	6.14E-02	5.37E-04	2.06E-04								
1778	0.00	DEAD	-5.74E-01	-6.80E-05	3.52E-04	1778							
	0.53	DEAD	-5.72E-01	4.38E-03	-7.88E-04		COMB1	-1.2532	-1.2499	0.0014	0.0076	0.0009	-0.0015
	0.00	COBERT	-6.33E-02	1.84E-04	3.34E-05		COMB2	-1.4796	-1.4768	0.0024	0.0077	0.0010	-0.0017
	0.53	COBERT	-6.33E-02	1.84E-04	-6.41E-05		COMB3	-1.6768	-1.6739	0.0030	0.0083	0.0011	-0.0019
	0.00	CORREAS	-2.58E-01	8.91E-04	2.34E-04		COMB4	-0.7250	-0.7222	0.0002	0.0055	0.0006	-0.0010
	0.53	CORREAS	-2.58E-01	8.91E-04	-2.37E-04		COMB5	-1.3670	-1.3642	0.0021	0.0074	0.0009	-0.0016
	0.00	VIVA	-2.53E-01	7.38E-04	1.34E-04		COMB6	-0.7813	-0.7785	0.0004	0.0057	0.0006	-0.0010
	0.53	VIVA	-2.53E-01	7.38E-04	-2.56E-04		COMB7	-1.2815	-1.5472	0.0023	0.0079	0.0008	-0.0018
	0.00	VIENTO	-3.66E-01	1.07E-03	1.93E-04		COMB8	-0.3298	-0.3276	-0.0005	0.0035	0.0003	-0.0005
	0.53	VIENTO	-3.66E-01	1.07E-03	-3.71E-04		COMB9	-1.1400	-1.1372	0.0020	0.0074	0.0009	-0.0012

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO AS-2 (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames

ELE.	Stat.	OutputCase	P	V2	M3	ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
Text	m	Text	Ton	Ton	Ton-m								
	0.00	ESPECTRO	6.09E-02	4.64E-04	5.47E-05		COMB10	-0.7447	-0.7426	0.0014	0.0054	0.0006	-0.0008
	0.53	ESPECTRO	6.09E-02	4.64E-04	1.91E-04								
	0.00	DEAD	-5.67E-01	-5.72E-04	2.17E-04								
	0.53	DEAD	-5.65E-01	3.95E-03	-6.77E-04		COMB1	-1.2487	-1.2456	-0.0005	0.0058	0.0004	-0.0011
	0.00	COBERT	-6.59E-02	1.10E-04	1.35E-05		COMB2	-1.4922	-1.4896	0.0003	0.0057	0.0004	-0.0012
	0.53	COBERT	-6.59E-02	1.10E-04	-4.48E-05		COMB3	-1.6974	-1.6947	0.0006	0.0061	0.0004	-0.0013
	0.00	CORREAS	-2.59E-01	1.11E-04	2.33E-05		COMB4	-0.7070	-0.7043	-0.0010	0.0044	0.0002	-0.0007
1779	0.53	CORREAS	-2.59E-01	1.11E-04	-3.52E-05	1779	COMB5	-1.3751	-1.3724	0.0001	0.0055	0.0004	-0.0011
	0.00	VIVA	-2.64E-01	4.42E-04	5.42E-05		COMB6	-0.7656	-0.7630	-0.0009	0.0045	0.0002	-0.0007
	0.53	VIVA	-2.64E-01	4.42E-04	-1.79E-04		COMB7	-1.2979	-1.5629	0.0005	0.0058	0.0003	-0.0012
	0.00	VIENTO	-3.81E-01	6.38E-04	7.83E-05		COMB8	-0.3076	-0.3056	-0.0011	0.0029	0.0001	-0.0003
	0.53	VIENTO	-3.81E-01	6.38E-04	-2.59E-04		COMB9	-1.1420	-1.1393	0.0002	0.0056	0.0004	-0.0008
	0.00	ESPECTRO	6.02E-02	3.82E-04	3.13E-05		COMB10	-0.7426	-0.7406	0.0001	0.0041	0.0003	-0.0005
	0.53	ESPECTRO	6.02E-02	3.82E-04	1.73E-04								
	0.00	DEAD	-5.53E-01	-1.13E-03	7.55E-05								
	0.53	DEAD	-5.51E-01	3.47E-03	-5.43E-04		COMB1	-1.2248	-1.2219	-0.0008	0.0056	0.0003	-0.0010
	0.00	COBERT	-6.82E-02	-1.55E-06	-1.19E-05		COMB2	-1.4861	-1.4837	-0.0007	0.0048	0.0002	-0.0009
	0.53	COBERT	-6.82E-02	-1.55E-06	-1.10E-05		COMB3	-1.6983	-1.6959	-0.0007	0.0048	0.0001	-0.0009
	0.00	CORREAS	-2.53E-01	5.60E-04	1.50E-04		COMB4	-0.6740	-0.6715	-0.0007	0.0048	0.0003	-0.0008
	0.53	CORREAS	-2.53E-01	5.60E-04	-1.46E-04		COMB5	-1.3650	-1.3625	-0.0007	0.0048	0.0002	-0.0009
1780	0.00	VIVA	-2.73E-01	-6.21E-06	-4.75E-05	1780	COMB6	-0.7346	-0.7322	-0.0007	0.0048	0.0003	-0.0008
	0.53	VIVA	-2.73E-01	-6.21E-06	-4.42E-05		COMB7	-1.2995	-1.5595	-0.0005	0.0048	0.0001	-0.0009
	0.00	VIENTO	-3.94E-01	-8.97E-06	-6.86E-05		COMB8	-0.2752	-0.2733	-0.0005	0.0036	0.0003	-0.0005
	0.53	VIENTO	-3.94E-01	-8.97E-06	-6.39E-05		COMB9	-1.1267	-1.1242	-0.0004	0.0052	0.0003	-0.0007
	0.00	ESPECTRO	5.95E-02	3.25E-04	2.46E-05		COMB10	-0.7279	-0.7260	-0.0002	0.0039	0.0002	-0.0005
	0.53	ESPECTRO	5.95E-02	3.25E-04	1.62E-04								
	0.00	DEAD	-5.36E-01	-1.63E-03	-2.68E-05								
	0.53	DEAD	-5.34E-01	3.03E-03	-3.98E-04		COMB1	-1.1945	-1.1919	-0.0023	0.0042	-0.0001	-0.0005
	0.00	COBERT	-6.91E-02	2.04E-07	-6.47E-06		COMB2	-1.4659	-1.4636	-0.0020	0.0036	-0.0001	-0.0005
	0.53	COBERT	-6.91E-02	2.04E-07	-6.58E-06		COMB3	-1.6808	-1.6786	-0.0020	0.0036	-0.0001	-0.0005
	0.00	CORREAS	-2.48E-01	-4.56E-05	-1.12E-05		COMB4	-0.6432	-0.6410	-0.0020	0.0036	0.0000	-0.0004
1781	0.53	CORREAS	-2.48E-01	-4.56E-05	1.29E-05	1781	COMB5	-1.3431	-1.3409	-0.0020	0.0036	-0.0001	-0.0005
	0.00	VIVA	-2.76E-01	8.15E-07	-2.59E-05		COMB6	-0.7046	-0.7024	-0.0020	0.0036	0.0000	-0.0004
	0.53	VIVA	-2.76E-01	8.15E-07	-2.63E-05		COMB7	-1.2867	-1.5404	-0.0015	0.0036	-0.0001	-0.0005
	0.00	VIENTO	-3.99E-01	1.18E-06	-3.74E-05		COMB8	-0.2491	-0.2474	-0.0015	0.0027	0.0000	-0.0003
	0.53	VIENTO	-3.99E-01	1.18E-06	-3.80E-05		COMB9	-1.1038	-1.1016	-0.0019	0.0037	0.0000	-0.0004
	0.00	ESPECTRO	5.82E-02	1.33E-04	4.45E-05		COMB10	-0.7097	-0.7080	-0.0014	0.0028	0.0000	-0.0002
	0.53	ESPECTRO	5.82E-02	1.33E-04	1.11E-04								
	0.00	DEAD	-5.17E-01	-2.05E-03	-1.38E-04								
	0.53	DEAD	-5.15E-01	2.67E-03	-3.02E-04		COMB1	-1.1415	-1.1391	-0.0026	0.0040	-0.0001	-0.0005
	0.00	COBERT	-5.94E-02	-1.12E-04	-4.16E-05		COMB2	-1.3588	-1.3568	-0.0030	0.0027	-0.0004	-0.0003
	0.53	COBERT	-5.94E-02	-1.12E-04	1.77E-05		COMB3	-1.5438	-1.5417	-0.0033	0.0023	-0.0005	-0.0003
	0.00	CORREAS	-2.39E-01	2.75E-04	7.56E-05		COMB4	-0.6509	-0.6488	-0.0016	0.0040	0.0001	-0.0005
1782	0.53	CORREAS	-2.39E-01	2.75E-04	-6.96E-05	1782	COMB5	-1.2532	-1.2511	-0.0028	0.0029	-0.0003	-0.0003
	0.00	VIVA	-2.38E-01	-4.50E-04	-1.66E-04		COMB6	-0.7037	-0.7017	-0.0017	0.0039	0.0001	-0.0005
	0.53	VIVA	-2.38E-01	-4.50E-04	7.10E-05		COMB7	-1.1803	-1.4229	-0.0025	0.0026	-0.0004	-0.0003
	0.00	VIENTO	-3.43E-01	-6.50E-04	-2.40E-04		COMB8	-0.2874	-0.2859	-0.0009	0.0034	0.0002	-0.0005
	0.53	VIENTO	-3.43E-01	-6.50E-04	1.03E-04		COMB9	-1.0415	-1.0395	-0.0024	0.0033	-0.0002	-0.0003
	0.00	ESPECTRO	5.58E-02	1.21E-04	5.64E-05		COMB10	-0.6781	-0.6765	-0.0016	0.0027	0.0000	-0.0002
	0.53	ESPECTRO	5.58E-02	1.21E-04	9.73E-05								
	0.00	DEAD	-4.91E-01	-2.40E-03	-2.24E-04								
	0.53	DEAD	-4.90E-01	2.37E-03	-2.15E-04		COMB1	-1.0692	-1.0671	-0.0040	0.0027	-0.0005	-0.0001
	0.00	COBERT	-4.32E-02	-1.79E-04	-5.99E-05		COMB2	-1.1928	-1.1910	-0.0046	0.0012	-0.0008	0.0001
	0.53	COBERT	-4.32E-02	-1.79E-04	3.47E-05		COMB3	-1.3272	-1.3254	-0.0051	0.0006	-0.0010	0.0002
	0.00	CORREAS	-2.29E-01	-2.76E-04	-7.01E-05		COMB4	-0.6784	-0.6766	-0.0024	0.0033	-0.0001	-0.0003
1783	0.53	CORREAS	-2.29E-01	-2.76E-04	7.55E-05	1783	COMB5	-1.1161	-1.1142	-0.0043	0.0015	-0.0007	0.0000
	0.00	VIVA	-1.73E-01	-7.18E-04	-2.39E-04		COMB6	-0.7168	-0.7150	-0.0026	0.0031	-0.0001	-0.0003
	0.53	VIVA	-1.73E-01	-7.18E-04	1.39E-04		COMB7	-1.0117	-1.2390	-0.0039	0.0010	-0.0008	0.0001
	0.00	VIENTO	-2.50E-01	-1.04E-03	-3.46E-04		COMB8	-0.3630	-0.3616	-0.0012	0.0031	0.0001	-0.0004
	0.53	VIENTO	-2.50E-01	-1.04E-03	2.01E-04		COMB9	-0.9510	-0.9491	-0.0037	0.0020	-0.0005	0.0000
	0.00	ESPECTRO	5.18E-02	9.24E-05	7.64E-05		COMB10	-0.6355	-0.6341	-0.0025	0.0018	-0.0002	0.0000
	0.53	ESPECTRO	5.18E-02	9.24E-05	7.73E-05								
	0.00	DEAD	-4.59E-01	-2.74E-03	-3.05E-04								
	0.53	DEAD	-4.58E-01	2.08E-03	-1.31E-04		COMB1	-0.9656	-0.9636	-0.0041	0.0027	-0.0005	-0.0001
	0.00	COBERT	-1.53E-02	-2.54E-04	-8.28E-05		COMB2	-0.9257	-0.9241	-0.0051	0.0007	-0.0010	0.0002
	0.53	COBERT	-1.53E-02	-2.54E-04	5.12E-05		COMB3	-0.9734	-0.9718	-0.0059	-0.0001	-0.0012	0.0004
	0.00	CORREAS	-2.15E-01	7.36E-05	2.67E-05		COMB4	-0.7431	-0.7415	-0.0021	0.0037	0.0000	-0.0004
1784	0.53	CORREAS	-2.15E-01	7.36E-05	-1.21E-05	1784	COMB5	-0.8985	-0.8968	-0.0047	0.0011	-0.0008	0.0001
	0.00	VIVA	-6.13E-02	-1.02E-03	-3.31E-04		COMB6	-0.7568	-0.7551	-0.0023	0.0035	-0.0001	-0.0003
	0.53	VIVA	-6.13E-02	-1.02E-03	2.05E-04		COMB7	-0.7359	-0.9411	-0.0045	0.0004	-0.0009	0.0003
	0.00	VIENTO	-8.86E-02	-1.47E-03	-4.78E-04		COMB8	-0.5056	-0.5043	-0.0007	0.0036	0.0003	-0.0005
	0.53	VIENTO	-8.86E-02	-1.47E-03	2.96E-04		COMB9	-0.8113	-0.8097	-0.0039	0.0019	-0.0005	0.0001
	0.00	ESPECTRO	4.70E-02	1.23E-04	9.34E-05		COMB10	-0.5738	-0.5725	-0.0025	0.0018	-0.0002	0.0000
	0.53	ESPECTRO	4.70E-02	1.23E-04	5.77E-05								
	0.00	DEAD	-4.16E-01	-3.06E-03	-3.80E-04								
	0.53	DEAD	-4.15E-01	1.81E-03	-5.13E-05		COMB1	-0.8439	-0.8422	-0.0054	0.0015	-0.0008	0.0002
	0.00	COBERT	9.91E-03	-3.03E-04	-9.62E-05		COMB2	-0.6600	-0.6585	-0.0065	-0.0007	-0.0013	0.0006
	0.53	COBERT	9.91E-03	-3.03E-04	6.31E-05		COMB3	-0.6291	-0.6277	-0.0075	-0.0016	-0.0016	0.0008

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO AS-2 (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames

ELE.	Stat.	OutputCase	P	V2	M3
Text	m	Text	Ton	Ton	Ton-m
1785	0.00	CORREAS	-1.97E-01	-4.68E-04	-1.16E-04
	0.53	CORREAS	-1.97E-01	-4.68E-04	1.30E-04
	0.00	VIVA	3.96E-02	-1.21E-03	-3.85E-04
	0.53	VIVA	3.96E-02	-1.21E-03	2.52E-04
	0.00	VIENTO	5.72E-02	-1.75E-03	-5.56E-04
	0.53	VIENTO	5.72E-02	-1.75E-03	3.64E-04
	0.00	ESPECTRO	4.22E-02	1.81E-04	1.10E-04
	0.53	ESPECTRO	4.22E-02	1.81E-04	3.83E-05
1786	0.00	DEAD	-3.63E-01	-3.32E-03	-4.43E-04
	0.53	DEAD	-3.62E-01	1.58E-03	1.38E-05
	0.00	COBERT	2.49E-02	-3.16E-04	-9.84E-05
	0.53	COBERT	2.49E-02	-3.16E-04	6.77E-05
	0.00	CORREAS	-1.75E-01	-7.96E-05	-9.37E-06
	0.53	CORREAS	-1.75E-01	-7.96E-05	3.25E-05
	0.00	VIVA	9.95E-02	-1.26E-03	-3.94E-04
	0.53	VIVA	9.95E-02	-1.26E-03	2.71E-04
	0.00	VIENTO	1.44E-01	-1.82E-03	-5.68E-04
	0.53	VIENTO	1.44E-01	-1.82E-03	3.91E-04
	0.00	ESPECTRO	3.87E-02	2.44E-04	1.25E-04
	0.53	ESPECTRO	3.87E-02	2.44E-04	2.58E-05
1787	0.00	DEAD	-3.04E-01	-3.59E-03	-5.01E-04
	0.53	DEAD	-3.03E-01	1.34E-03	8.99E-05
	0.00	COBERT	3.67E-02	-3.23E-04	-9.92E-05
	0.53	COBERT	3.67E-02	-3.23E-04	7.06E-05
	0.00	CORREAS	-1.48E-01	-6.13E-04	-1.47E-04
	0.53	CORREAS	-1.48E-01	-6.13E-04	1.75E-04
	0.00	VIVA	1.47E-01	-1.29E-03	-3.97E-04
	0.53	VIVA	1.47E-01	-1.29E-03	2.83E-04
	0.00	VIENTO	2.12E-01	-1.87E-03	-5.73E-04
	0.53	VIENTO	2.12E-01	-1.87E-03	4.08E-04
	0.00	ESPECTRO	3.66E-02	3.31E-04	1.41E-04
	0.53	ESPECTRO	3.66E-02	3.31E-04	3.70E-05
1788	0.00	DEAD	-2.41E-01	-3.53E-03	-5.11E-04
	0.53	DEAD	-2.40E-01	1.42E-03	4.38E-05
	0.00	COBERT	8.09E-02	-2.52E-04	-1.05E-04
	0.53	COBERT	8.09E-02	-2.52E-04	2.71E-05
	0.00	CORREAS	-1.22E-01	-6.80E-05	-1.42E-05
	0.53	CORREAS	-1.22E-01	-6.80E-05	2.15E-05
	0.00	VIVA	3.24E-01	-1.01E-03	-4.22E-04
	0.53	VIVA	3.24E-01	-1.01E-03	1.08E-04
	0.00	VIENTO	4.68E-01	-1.46E-03	-6.09E-04
	0.53	VIENTO	4.68E-01	-1.46E-03	1.57E-04
	0.00	ESPECTRO	3.50E-02	3.10E-04	1.42E-04
	0.53	ESPECTRO	3.50E-02	3.10E-04	2.36E-05
1789	0.00	DEAD	-1.78E-01	-4.29E-03	-7.02E-04
	0.52	DEAD	-1.77E-01	6.77E-04	2.47E-04
	0.00	COBERT	1.73E-01	-4.11E-04	-1.57E-04
	0.52	COBERT	1.73E-01	-4.11E-04	5.92E-05
	0.00	CORREAS	-9.30E-02	-8.18E-04	-2.04E-04
	0.52	CORREAS	-9.30E-02	-8.18E-04	2.25E-04
	0.00	VIVA	6.91E-01	-1.64E-03	-6.26E-04
	0.52	VIVA	6.91E-01	-1.64E-03	2.37E-04
	0.00	VIENTO	9.99E-01	-2.38E-03	-9.04E-04
	0.52	VIENTO	9.99E-01	-2.38E-03	3.42E-04
	0.00	ESPECTRO	3.27E-02	5.45E-04	1.92E-04
	0.52	ESPECTRO	3.27E-02	5.45E-04	9.45E-05
1790	0.00	DEAD	-1.23E-01	-4.16E-03	-6.31E-04
	0.52	DEAD	-1.23E-01	8.24E-04	2.43E-04
	0.00	COBERT	2.08E-01	-2.72E-04	-1.08E-04
	0.52	COBERT	2.08E-01	-2.72E-04	3.49E-05
	0.00	CORREAS	-7.02E-02	-1.28E-04	-6.52E-06
	0.52	CORREAS	-7.02E-02	-1.28E-04	6.07E-05
	0.00	VIVA	8.33E-01	-1.09E-03	-4.31E-04
	0.52	VIVA	8.33E-01	-1.09E-03	1.40E-04
	0.00	VIENTO	1.20E+00	-1.57E-03	-6.22E-04
	0.52	VIENTO	1.20E+00	-1.57E-03	2.02E-04
	0.00	ESPECTRO	2.81E-02	5.39E-04	1.76E-04
	0.52	ESPECTRO	2.81E-02	5.39E-04	1.07E-04
1791	0.00	DEAD	-1.09E-01	-4.06E-03	-5.89E-04
	0.52	DEAD	-1.09E-01	9.29E-04	2.31E-04
	0.00	COBERT	9.65E-02	-4.01E-05	7.39E-06
	0.52	COBERT	9.65E-02	-4.01E-05	2.84E-05
	0.00	CORREAS	-5.91E-02	-5.03E-04	-1.20E-04
	0.52	CORREAS	-5.91E-02	-5.03E-04	1.43E-04
	0.00	VIVA	3.86E-01	-1.60E-04	2.96E-05
	0.52	VIVA	3.86E-01	-1.60E-04	1.14E-04
	0.00	VIENTO	5.58E-01	-2.32E-04	4.27E-05
	0.52	VIENTO	5.58E-01	-2.32E-04	1.64E-04

ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
1785	COMB4	-0.7780	-0.7765	-0.0029	0.0029	-0.0002	-0.0002
	COMB5	-0.6776	-0.6761	-0.0060	-0.0002	-0.0012	0.0005
	COMB6	-0.7692	-0.7677	-0.0032	0.0026	-0.0003	-0.0001
	COMB7	-0.4681	-0.6475	-0.0057	-0.0010	-0.0013	0.0006
	COMB8	-0.6169	-0.6159	-0.0012	0.0032	0.0002	-0.0003
	COMB9	-0.6613	-0.6599	-0.0050	0.0008	-0.0008	0.0003
	COMB10	-0.5003	-0.4992	-0.0033	0.0011	-0.0004	0.0002
1786							
	COMB1	-0.7182	-0.7168	-0.0052	0.0017	-0.0008	0.0002
	COMB2	-0.4565	-0.4552	-0.0065	-0.0006	-0.0013	0.0006
	COMB3	-0.3791	-0.3778	-0.0075	-0.0016	-0.0016	0.0008
	COMB4	-0.7527	-0.7515	-0.0027	0.0032	-0.0001	-0.0002
	COMB5	-0.5007	-0.4994	-0.0059	0.0000	-0.0011	0.0004
	COMB6	-0.7306	-0.7294	-0.0030	0.0029	-0.0002	-0.0002
	COMB7	-0.2749	-0.4276	-0.0057	-0.0009	-0.0012	0.0006
	COMB8	-0.6485	-0.6476	-0.0010	0.0034	0.0002	-0.0004
	COMB9	-0.5272	-0.5260	-0.0048	0.0010	-0.0007	0.0003
	COMB10	-0.4231	-0.4221	-0.0031	0.0013	-0.0004	0.0001
1787							
	COMB1	-0.5817	-0.5805	-0.0063	0.0006	-0.0010	0.0005
	COMB2	-0.2635	-0.2625	-0.0075	-0.0016	-0.0015	0.0009
	COMB3	-0.1491	-0.1481	-0.0085	-0.0026	-0.0018	0.0011
	COMB4	-0.7011	-0.7001	-0.0036	0.0023	-0.0003	0.0000
	COMB5	-0.3288	-0.3278	-0.0069	-0.0010	-0.0014	0.0007
	COMB6	-0.6684	-0.6674	-0.0039	0.0020	-0.0004	0.0001
	COMB7	-0.0980	-0.2216	-0.0065	-0.0019	-0.0014	0.0009
	COMB8	-0.6499	-0.6492	-0.0016	0.0028	0.0001	-0.0002
	COMB9	-0.3886	-0.3875	-0.0057	0.0002	-0.0010	0.0006
	COMB10	-0.3374	-0.3366	-0.0037	0.0007	-0.0005	0.0003
1788							
	COMB1	-0.3950	-0.3941	-0.0054	0.0015	-0.0009	0.0001
	COMB2	0.1795	0.1803	-0.0062	-0.0003	-0.0014	0.0003
	COMB3	0.4314	0.4322	-0.0070	-0.0011	-0.0018	0.0004
	COMB4	-0.7848	-0.7840	-0.0032	0.0027	-0.0002	0.0000
	COMB5	0.0356	0.0364	-0.0058	0.0002	-0.0012	0.0002
	COMB6	-0.7128	-0.7120	-0.0035	0.0025	-0.0003	0.0000
	COMB7	0.3541	0.2703	-0.0054	-0.0006	-0.0014	0.0003
	COMB8	-0.8620	-0.8614	-0.0016	0.0029	0.0002	-0.0001
	COMB9	-0.1417	-0.1409	-0.0048	0.0011	-0.0008	0.0002
	COMB10	-0.2190	-0.2183	-0.0032	0.0013	-0.0004	0.0001
1789							
	COMB1	-0.1371	-0.1364	-0.0077	-0.0008	-0.0015	0.0007
	COMB2	0.9884	0.9890	-0.0093	-0.0033	-0.0023	0.0010
	COMB3	1.5262	1.5268	-0.0105	-0.0046	-0.0028	0.0012
	COMB4	-1.0700	-1.0694	-0.0044	0.0016	-0.0004	0.0003
	COMB5	0.6813	0.6819	-0.0085	-0.0026	-0.0020	0.0009
	COMB6	-0.9163	-0.9158	-0.0047	0.0012	-0.0006	0.0004
	COMB7	1.2100	1.1812	-0.0081	-0.0038	-0.0021	0.0011
	COMB8	-1.3862	-1.3858	-0.0019	0.0026	0.0002	0.0000
	COMB9	0.2608	0.2614	-0.0069	-0.0009	-0.0014	0.0009
	COMB10	-0.0554	-0.0549	-0.0044	0.0000	-0.0008	0.0006
1790							
	COMB1	0.0206	0.0211	-0.0064	0.0006	-0.0010	0.0005
	COMB2	1.3499	1.3502	-0.0072	-0.0012	-0.0016	0.0006
	COMB3	1.9977	1.9981	-0.0081	-0.0021	-0.0019	0.0007
	COMB4	-1.1297	-1.1293	-0.0040	0.0020	-0.0003	0.0002
	COMB5	0.9800	0.9804	-0.0067	-0.0007	-0.0014	0.0006
	COMB6	-0.9446	-0.9442	-0.0042	0.0018	-0.0004	0.0002
	COMB7	1.5770	1.5818	-0.0061	-0.0015	-0.0015	0.0007
	COMB8	-1.5504	-1.5501	-0.0021	0.0024	0.0001	0.0000
	COMB9	0.4621	0.4624	-0.0055	0.0005	-0.0009	0.0006
	COMB10	0.0413	0.0416	-0.0036	0.0009	-0.0005	0.0004
1791							
	COMB1	-0.1008	-0.1006	-0.0064	0.0005	-0.0010	0.0006
	COMB2	0.5314	0.5316	-0.0058	0.0002	-0.0008	0.0007
	COMB3	0.8318	0.8320	-0.0059	0.0001	-0.0008	0.0008
	COMB4	-0.6185	-0.6184	-0.0053	0.0007	-0.0009	0.0003
	COMB5	0.3599	0.3600	-0.0057	0.0003	-0.0008	0.0006
	COMB6	-0.5327	-0.5325	-0.0053	0.0006	-0.0009	0.0004
	COMB7	0.6604	0.6389	-0.0044	0.0002	-0.0006	0.0007
	COMB8	-0.7900	-0.7899	-0.0038	0.0006	-0.0007	0.0001
	COMB9	0.1235	0.1237	-0.0049	0.0011	-0.0006	0.0007

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO AS-2 (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames

ELE.	Stat.	OutputCase	P	V2	M3
Text	m	Text	Ton	Ton	Ton-m
	0.00	ESPECTRO	1.69E-02	6.97E-04	1.89E-04
	0.52	ESPECTRO	1.69E-02	6.97E-04	1.76E-04
	0.00	DEAD	-1.47E-03	-3.53E-03	-5.69E-04
	0.52	DEAD	-1.48E-03	-9.85E-04	6.12E-04
	0.00	COBERT	-2.11E-02	-1.05E-04	6.92E-06
	0.52	COBERT	-2.11E-02	-1.05E-04	6.20E-05
	0.00	CORREAS	-9.05E-03	-3.58E-04	-3.45E-05
1792	0.52	CORREAS	-9.05E-03	-3.58E-04	1.53E-04
	0.00	VIVA	-8.46E-02	-4.21E-04	2.77E-05
	0.52	VIVA	-8.46E-02	-4.21E-04	2.48E-04
	0.00	VIENTO	-1.22E-01	-6.08E-04	4.00E-05
	0.52	VIENTO	-1.22E-01	-6.08E-04	3.58E-04
	0.00	ESPECTRO	3.91E-03	8.03E-05	6.34E-05
	0.52	ESPECTRO	3.91E-03	8.03E-05	2.34E-05
	0.00	DEAD	-5.08E-02	-9.55E-04	5.36E-04
	0.73	DEAD	-4.52E-02	3.26E-03	-3.11E-04
	0.00	COBERT	1.26E-01	1.82E-04	1.05E-04
	0.73	COBERT	1.26E-01	1.82E-04	-2.86E-05
	0.00	CORREAS	1.29E-03	-7.79E-06	5.51E-05
2141	0.73	CORREAS	1.29E-03	-7.79E-06	6.08E-05
	0.00	VIVA	5.03E-01	7.29E-04	4.21E-04
	0.73	VIVA	5.03E-01	7.29E-04	-1.15E-04
	0.00	VIENTO	7.26E-01	1.05E-03	6.08E-04
	0.73	VIENTO	7.26E-01	1.05E-03	-1.65E-04
	0.00	ESPECTRO	1.86E-02	4.76E-05	1.47E-05
	0.73	ESPECTRO	1.86E-02	4.76E-05	4.91E-05
	0.00	DEAD	-9.50E-02	3.39E-03	1.15E-03
	0.53	DEAD	-9.11E-02	6.61E-03	-1.51E-03
	0.00	COBERT	2.04E-01	1.03E-03	1.80E-04
	0.53	COBERT	2.04E-01	1.03E-03	-3.71E-04
	0.00	CORREAS	-2.19E-02	1.43E-03	3.71E-04
2142	0.53	CORREAS	-2.19E-02	1.43E-03	-3.88E-04
	0.00	VIVA	8.15E-01	4.14E-03	7.18E-04
	0.53	VIVA	8.15E-01	4.14E-03	-1.48E-03
	0.00	VIENTO	1.18E+00	5.98E-03	1.04E-03
	0.53	VIENTO	1.18E+00	5.98E-03	-2.14E-03
	0.00	ESPECTRO	3.65E-02	5.78E-04	1.62E-04
	0.53	ESPECTRO	3.65E-02	5.78E-04	1.53E-04
	0.00	DEAD	-1.87E-02	4.90E-03	1.34E-03
	0.53	DEAD	-1.49E-02	8.25E-03	-2.16E-03
	0.00	COBERT	2.06E-01	1.33E-03	1.78E-04
	0.53	COBERT	2.06E-01	1.33E-03	-5.31E-04
	0.00	CORREAS	1.57E-02	2.21E-03	4.47E-04
2143	0.53	CORREAS	1.57E-02	2.21E-03	-7.25E-04
	0.00	VIVA	8.23E-01	5.33E-03	7.11E-04
	0.53	VIVA	8.23E-01	5.33E-03	-2.12E-03
	0.00	VIENTO	1.19E+00	7.70E-03	1.03E-03
	0.53	VIENTO	1.19E+00	7.70E-03	-3.07E-03
	0.00	ESPECTRO	5.60E-02	8.18E-04	1.97E-04
	0.53	ESPECTRO	5.60E-02	8.18E-04	2.54E-04
	0.00	DEAD	4.49E-02	3.77E-03	9.10E-04
	0.53	DEAD	4.86E-02	7.26E-03	-2.02E-03
	0.00	COBERT	2.04E-01	1.10E-03	8.81E-05
	0.53	COBERT	2.04E-01	1.10E-03	-4.98E-04
	0.00	CORREAS	3.56E-02	1.54E-03	2.24E-04
2144	0.53	CORREAS	3.56E-02	1.54E-03	-5.96E-04
	0.00	VIVA	8.15E-01	4.41E-03	3.53E-04
	0.53	VIVA	8.15E-01	4.41E-03	-1.99E-03
	0.00	VIENTO	1.18E+00	6.38E-03	5.09E-04
	0.53	VIENTO	1.18E+00	6.38E-03	-2.88E-03
	0.00	ESPECTRO	7.87E-02	6.69E-04	1.45E-04
	0.53	ESPECTRO	7.87E-02	6.69E-04	2.34E-04
	0.00	DEAD	9.72E-02	3.40E-03	7.86E-04
	0.53	DEAD	1.01E-01	7.02E-03	-1.98E-03
	0.00	COBERT	2.27E-01	9.84E-04	4.14E-05
	0.53	COBERT	2.27E-01	9.84E-04	-4.81E-04
	0.00	CORREAS	6.14E-02	1.76E-03	2.63E-04
2145	0.53	CORREAS	6.14E-02	1.76E-03	-6.70E-04
	0.00	VIVA	9.10E-01	3.94E-03	1.66E-04
	0.53	VIVA	9.10E-01	3.94E-03	-1.93E-03
	0.00	VIENTO	1.31E+00	5.69E-03	2.39E-04
	0.53	VIENTO	1.31E+00	5.69E-03	-2.78E-03
	0.00	ESPECTRO	1.01E-01	6.31E-04	1.40E-04
	0.53	ESPECTRO	1.01E-01	6.31E-04	2.28E-04
	0.00	DEAD	1.36E-01	2.91E-03	6.23E-04
	0.53	DEAD	1.40E-01	6.65E-03	-1.91E-03
	0.00	COBERT	2.50E-01	8.63E-04	-4.23E-06
	0.53	COBERT	2.50E-01	8.63E-04	-4.62E-04

ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
	COMB10	-0.0479	-0.0478	-0.0034	0.0010	-0.0004	0.0005
	COMB1	-0.0443	-0.0443	-0.0056	-0.0020	-0.0008	0.0012
	COMB2	-0.1733	-0.1733	-0.0055	-0.0024	-0.0007	0.0014
	COMB3	-0.2391	-0.2391	-0.0058	-0.0027	-0.0007	0.0016
	COMB4	0.0786	0.0785	-0.0042	-0.0012	-0.0008	0.0007
1792	COMB5	-0.1357	-0.1358	-0.0053	-0.0022	-0.0007	0.0013
	COMB6	0.0598	0.0597	-0.0043	-0.0013	-0.0007	0.0007
	COMB7	-0.1873	-0.1968	-0.0044	-0.0025	-0.0005	0.0015
	COMB8	0.1303	0.1303	-0.0028	-0.0005	-0.0006	0.0003
	COMB9	-0.0764	-0.0764	-0.0049	-0.0019	-0.0006	0.0011
	COMB10	-0.0246	-0.0246	-0.0035	-0.0012	-0.0005	0.0008
	COMB1	0.1067	0.1145	-0.0011	0.0048	0.0010	-0.0004
	COMB2	0.8958	0.9025	0.0002	0.0053	0.0015	-0.0005
	COMB3	1.2870	1.2937	0.0008	0.0059	0.0018	-0.0006
	COMB4	-0.6014	-0.5947	-0.0019	0.0031	0.0003	-0.0002
2141	COMB5	0.6725	0.6792	-0.0001	0.0050	0.0013	-0.0005
	COMB6	-0.4896	-0.4829	-0.0018	0.0033	0.0003	-0.0002
	COMB7	1.0127	1.0423	0.0007	0.0055	0.0014	-0.0005
	COMB8	-0.8756	-0.8706	-0.0021	0.0017	-0.0002	0.0000
	COMB9	0.3614	0.3681	-0.0005	0.0045	0.0011	-0.0003
	COMB10	0.0871	0.0922	-0.0007	0.0031	0.0006	-0.0002
	COMB1	0.1216	0.1271	0.0082	0.0127	0.0024	-0.0032
	COMB2	1.4084	1.4131	0.0136	0.0175	0.0032	-0.0051
	COMB3	2.0426	2.0473	0.0169	0.0207	0.0038	-0.0062
	COMB4	-1.0190	-1.0143	0.0013	0.0052	0.0011	-0.0007
2142	COMB5	1.0463	1.0510	0.0118	0.0157	0.0029	-0.0044
	COMB6	-0.8377	-0.8331	0.0022	0.0061	0.0012	-0.0010
	COMB7	1.6090	1.6397	0.0130	0.0187	0.0029	-0.0055
	COMB8	-1.4526	-1.4491	-0.0025	0.0004	0.0002	0.0007
	COMB9	0.5483	0.5530	0.0097	0.0135	0.0026	-0.0033
	COMB10	0.1147	0.1182	0.0058	0.0087	0.0017	-0.0019
	COMB1	0.2837	0.2890	0.0118	0.0165	0.0027	-0.0048
	COMB2	1.5596	1.5642	0.0187	0.0227	0.0035	-0.0075
	COMB3	2.1998	2.2043	0.0228	0.0268	0.0040	-0.0091
	COMB4	-0.8906	-0.8861	0.0028	0.0068	0.0014	-0.0012
2143	COMB5	1.1941	1.1986	0.0163	0.0203	0.0032	-0.0066
	COMB6	-0.7077	-0.7032	0.0040	0.0080	0.0015	-0.0016
	COMB7	1.7276	1.7930	0.0176	0.0242	0.0031	-0.0081
	COMB8	-1.3628	-1.3594	-0.0024	0.0006	0.0004	0.0009
	COMB9	0.7105	0.7151	0.0136	0.0176	0.0029	-0.0049
	COMB10	0.2384	0.2418	0.0084	0.0114	0.0020	-0.0028
	COMB1	0.3979	0.4030	0.0090	0.0139	0.0017	-0.0044
	COMB2	1.6449	1.6493	0.0148	0.0189	0.0020	-0.0069
	COMB3	2.2789	2.2833	0.0182	0.0224	0.0023	-0.0085
	COMB4	-0.7819	-0.7775	0.0016	0.0058	0.0010	-0.0010
2144	COMB5	1.2829	1.2873	0.0128	0.0170	0.0019	-0.0060
	COMB6	-0.6008	-0.5964	0.0026	0.0068	0.0011	-0.0014
	COMB7	1.7862	1.8759	0.0141	0.0202	0.0018	-0.0075
	COMB8	-1.2746	-1.2714	-0.0025	0.0006	0.0004	0.0009
	COMB9	0.8272	0.8316	0.0106	0.0148	0.0018	-0.0045
	COMB10	0.3345	0.3378	0.0064	0.0096	0.0012	-0.0026
	COMB1	0.5405	0.5454	0.0086	0.0137	0.0015	-0.0044
	COMB2	1.9189	1.9231	0.0137	0.0180	0.0016	-0.0068
	COMB3	2.6267	2.6310	0.0167	0.0211	0.0017	-0.0083
	COMB4	-0.7904	-0.7862	0.0019	0.0063	0.0011	-0.0011
2145	COMB5	1.5147	1.5189	0.0119	0.0163	0.0015	-0.0060
	COMB6	-0.5881	-0.5839	0.0028	0.0072	0.0011	-0.0015
	COMB7	2.0560	2.1761	0.0129	0.0191	0.0013	-0.0074
	COMB8	-1.3611	-1.3579	-0.0019	0.0014	0.0007	0.0008
	COMB9	1.0196	1.0238	0.0100	0.0143	0.0015	-0.0045
	COMB10	0.4489	0.4521	0.0062	0.0094	0.0011	-0.0026
	COMB1	0.6383	0.6431	0.0070	0.0123	0.0010	-0.0041
	COMB2	2.1447	2.1487	0.0116	0.0160	0.0009	-0.0065
	COMB3	2.9215	2.9256	0.0142	0.0187	0.0008	-0.0079

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO AS-2 (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames

ELE.	Stat.	OutputCase	P	V2	M3
Text	m	Text	Ton	Ton	Ton-m
2146	0.00	CORREAS	7.02E-02	1.26E-03	1.14E-04
	0.53	CORREAS	7.02E-02	1.26E-03	-5.54E-04
	0.00	VIVA	9.98E-01	3.45E-03	-1.69E-05
	0.53	VIVA	9.98E-01	3.45E-03	-1.85E-03
	0.00	VIENTO	1.44E+00	4.98E-03	-2.45E-05
	0.53	VIENTO	1.44E+00	4.98E-03	-2.67E-03
	0.00	ESPECTRO	1.24E-01	5.81E-04	1.33E-04
	0.53	ESPECTRO	1.24E-01	5.81E-04	2.20E-04
2147	0.00	DEAD	1.64E-01	2.45E-03	4.68E-04
	0.53	DEAD	1.67E-01	6.30E-03	-1.85E-03
	0.00	COBERT	2.57E-01	7.51E-04	-4.44E-05
	0.53	COBERT	2.57E-01	7.51E-04	-4.43E-04
	0.00	CORREAS	8.35E-02	1.47E-03	1.53E-04
	0.53	CORREAS	8.35E-02	1.47E-03	-6.26E-04
	0.00	VIVA	1.03E+00	3.00E-03	-1.78E-04
	0.53	VIVA	1.03E+00	3.00E-03	-1.77E-03
	0.00	VIENTO	1.48E+00	4.34E-03	-2.57E-04
	0.53	VIENTO	1.48E+00	4.34E-03	-2.56E-03
	0.00	ESPECTRO	1.44E-01	5.39E-04	1.31E-04
	0.53	ESPECTRO	1.44E-01	5.39E-04	2.13E-04
2148	0.00	DEAD	1.83E-01	1.53E-03	2.51E-04
	0.53	DEAD	1.87E-01	5.50E-03	-1.62E-03
	0.00	COBERT	2.55E-01	5.59E-04	-9.46E-05
	0.53	COBERT	2.55E-01	5.59E-04	-3.91E-04
	0.00	CORREAS	8.38E-02	7.84E-04	-2.27E-05
	0.53	CORREAS	8.38E-02	7.84E-04	-4.38E-04
	0.00	VIVA	1.02E+00	2.24E-03	-3.78E-04
	0.53	VIVA	1.02E+00	2.24E-03	-1.57E-03
	0.00	VIENTO	1.47E+00	3.23E-03	-5.47E-04
	0.53	VIENTO	1.47E+00	3.23E-03	-2.26E-03
	0.00	ESPECTRO	1.62E-01	4.12E-04	1.21E-04
	0.53	ESPECTRO	1.62E-01	4.12E-04	1.79E-04
2149	0.00	DEAD	2.02E-01	2.53E-03	4.93E-04
	0.53	DEAD	2.05E-01	6.60E-03	-1.93E-03
	0.00	COBERT	2.53E-01	7.10E-04	-6.62E-05
	0.53	COBERT	2.53E-01	7.10E-04	-4.43E-04
	0.00	CORREAS	9.19E-02	1.58E-03	1.71E-04
	0.53	CORREAS	9.19E-02	1.58E-03	-6.69E-04
	0.00	VIVA	1.01E+00	2.84E-03	-2.65E-04
	0.53	VIVA	1.01E+00	2.84E-03	-1.77E-03
	0.00	VIENTO	1.46E+00	4.10E-03	-3.83E-04
	0.53	VIENTO	1.46E+00	4.10E-03	-2.56E-03
	0.00	ESPECTRO	1.76E-01	6.40E-04	1.73E-04
	0.53	ESPECTRO	1.76E-01	6.40E-04	2.31E-04
2150	0.00	DEAD	2.19E-01	1.09E-03	1.94E-06
	0.53	DEAD	2.22E-01	5.26E-03	-1.68E-03
	0.00	COBERT	2.53E-01	4.11E-04	-1.63E-04
	0.53	COBERT	2.53E-01	4.11E-04	-3.81E-04
	0.00	CORREAS	9.15E-02	5.61E-04	-1.32E-04
	0.53	CORREAS	9.15E-02	5.61E-04	-4.29E-04
	0.00	VIVA	1.01E+00	1.64E-03	-6.54E-04
	0.53	VIVA	1.01E+00	1.64E-03	-1.52E-03
	0.00	VIENTO	1.46E+00	2.37E-03	-9.44E-04
	0.53	VIENTO	1.46E+00	2.37E-03	-2.20E-03
	0.00	ESPECTRO	1.85E-01	4.28E-04	1.26E-04
	0.53	ESPECTRO	1.85E-01	4.28E-04	1.99E-04
2151	0.00	DEAD	2.37E-01	3.91E-04	-1.74E-04
	0.53	DEAD	2.39E-01	4.66E-03	-1.51E-03
	0.00	COBERT	2.54E-01	2.09E-04	-2.17E-04
	0.53	COBERT	2.54E-01	2.09E-04	-3.28E-04
	0.00	CORREAS	9.93E-02	9.16E-04	-3.81E-05
	0.53	CORREAS	9.93E-02	9.16E-04	-5.23E-04
	0.00	VIVA	1.02E+00	8.36E-04	-8.69E-04
	0.53	VIVA	1.02E+00	8.36E-04	-1.31E-03
	0.00	VIENTO	1.47E+00	1.21E-03	-1.25E-03
	0.53	VIENTO	1.47E+00	1.21E-03	-1.89E-03
	0.00	ESPECTRO	1.89E-01	3.55E-04	1.27E-04
	0.53	ESPECTRO	1.89E-01	3.55E-04	1.79E-04
2152	0.00	DEAD	2.54E-01	-4.75E-04	-4.09E-04
	0.53	DEAD	2.57E-01	3.89E-03	-1.31E-03
	0.00	COBERT	2.57E-01	-2.28E-05	-2.80E-04
	0.53	COBERT	2.57E-01	-2.28E-05	-2.68E-04
	0.00	CORREAS	1.01E-01	-6.25E-07	-2.85E-04
	0.53	CORREAS	1.01E-01	-6.25E-07	-2.85E-04
	0.00	VIVA	1.03E+00	-9.13E-05	-1.12E-03
	0.53	VIVA	1.03E+00	-9.13E-05	-1.07E-03
	0.00	VIENTO	1.48E+00	-1.32E-04	-1.62E-03
	0.53	VIENTO	1.48E+00	-1.32E-04	-1.55E-03

ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
2146	COMB4	-0.8288	-0.8247	0.0013	0.0058	0.0009	-0.0010
	COMB5	1.7011	1.7052	0.0100	0.0145	0.0009	-0.0057
	COMB6	-0.6068	-0.6027	0.0020	0.0065	0.0009	-0.0014
	COMB7	2.2855	2.4264	0.0110	0.0170	0.0006	-0.0070
	COMB8	-1.4648	-1.4617	-0.0020	0.0014	0.0007	0.0008
	COMB9	1.1700	1.1741	0.0083	0.0128	0.0010	-0.0042
	COMB10	0.5340	0.5371	0.0051	0.0085	0.0008	-0.0024
2147							
	COMB1	0.7051	0.7097	0.0065	0.0119	0.0008	-0.0041
	COMB2	2.2465	2.2504	0.0104	0.0150	0.0004	-0.0063
	COMB3	3.0451	3.0490	0.0127	0.0174	0.0003	-0.0077
	COMB4	-0.8100	-0.8061	0.0015	0.0061	0.0009	-0.0011
	COMB5	1.7905	1.7945	0.0091	0.0137	0.0005	-0.0056
	COMB6	-0.5818	-0.5779	0.0021	0.0068	0.0009	-0.0015
	COMB7	2.3808	2.5358	0.0098	0.0159	0.0002	-0.0068
	COMB8	-1.4742	-1.4713	-0.0014	0.0020	0.0009	0.0007
	COMB9	1.2618	1.2657	0.0076	0.0123	0.0007	-0.0042
	COMB10	0.5976	0.6005	0.0047	0.0082	0.0007	-0.0024
2148							
	COMB1	0.7309	0.7353	0.0040	0.0096	0.0002	-0.0034
	COMB2	2.2573	2.2611	0.0070	0.0118	-0.0004	-0.0054
	COMB3	3.0504	3.0541	0.0088	0.0135	-0.0007	-0.0067
	COMB4	-0.7781	-0.7743	0.0004	0.0051	0.0007	-0.0008
	COMB5	1.8045	1.8083	0.0060	0.0108	-0.0003	-0.0047
	COMB6	-0.5515	-0.5477	0.0009	0.0056	0.0006	-0.0011
	COMB7	2.3841	2.5445	0.0068	0.0124	-0.0006	-0.0059
	COMB8	-1.4443	-1.4415	-0.0016	0.0020	0.0008	0.0007
	COMB9	1.2982	1.3019	0.0050	0.0097	0.0001	-0.0035
	COMB10	0.6319	0.6347	0.0030	0.0066	0.0002	-0.0020
2149							
	COMB1	0.7659	0.7700	0.0067	0.0125	0.0008	-0.0043
	COMB2	2.2752	2.2788	0.0103	0.0152	0.0003	-0.0065
	COMB3	3.0624	3.0660	0.0125	0.0174	0.0001	-0.0079
	COMB4	-0.7378	-0.7342	0.0019	0.0068	0.0011	-0.0012
	COMB5	1.8258	1.8293	0.0091	0.0140	0.0004	-0.0057
	COMB6	-0.5128	-0.5093	0.0025	0.0074	0.0010	-0.0016
	COMB7	2.3925	2.5601	0.0097	0.0160	0.0000	-0.0070
	COMB8	-1.4078	-1.4051	-0.0010	0.0027	0.0010	0.0006
	COMB9	1.3380	1.3415	0.0078	0.0127	0.0008	-0.0043
	COMB10	0.6680	0.6707	0.0050	0.0086	0.0007	-0.0025
2150							
	COMB1	0.7883	0.7922	0.0029	0.0087	-0.0004	-0.0035
	COMB2	2.2928	2.2962	0.0051	0.0101	-0.0014	-0.0054
	COMB3	3.0791	3.0825	0.0064	0.0114	-0.0019	-0.0066
	COMB4	-0.7171	-0.7137	0.0002	0.0052	0.0005	-0.0009
	COMB5	1.8438	1.8471	0.0044	0.0094	-0.0011	-0.0048
	COMB6	-0.4924	-0.4890	0.0006	0.0056	0.0004	-0.0012
	COMB7	2.4049	2.5772	0.0049	0.0106	-0.0015	-0.0059
	COMB8	-1.3914	-1.3888	-0.0012	0.0025	0.0010	0.0006
	COMB9	1.3656	1.3690	0.0037	0.0087	-0.0006	-0.0036
	COMB10	0.6913	0.6938	0.0023	0.0060	-0.0001	-0.0020
2151							
	COMB1	0.8258	0.8296	0.0021	0.0081	-0.0006	-0.0033
	COMB2	2.3329	2.3361	0.0032	0.0083	-0.0019	-0.0049
	COMB3	3.1231	3.1263	0.0038	0.0089	-0.0026	-0.0060
	COMB4	-0.6918	-0.6886	0.0007	0.0058	0.0007	-0.0010
	COMB5	1.8816	1.8849	0.0028	0.0079	-0.0015	-0.0044
	COMB6	-0.4660	-0.4628	0.0009	0.0060	0.0005	-0.0013
	COMB7	2.4383	2.6185	0.0029	0.0085	-0.0020	-0.0053
	COMB8	-1.3766	-1.3741	-0.0002	0.0036	0.0012	0.0003
	COMB9	1.4046	1.4079	0.0026	0.0077	-0.0008	-0.0033
	COMB10	0.7199	0.7223	0.0017	0.0056	-0.0003	-0.0019
2152							
	COMB1	0.8567	0.8603	-0.0007	0.0054	-0.0014	-0.0026
	COMB2	2.3789	2.3820	-0.0007	0.0045	-0.0030	-0.0040
	COMB3	3.1787	3.1817	-0.0008	0.0044	-0.0038	-0.0048
	COMB4	-0.6821	-0.6791	-0.0005	0.0048	0.0004	-0.0008
	COMB5	1.9223	1.9253	-0.0007	0.0045	-0.0025	-0.0035
	COMB6	-0.4536	-0.4506	-0.0005	0.0047	0.0001	-0.0010
	COMB7	2.4812	2.6678	-0.0006	0.0045	-0.0030	-0.0043
	COMB8	-1.3796	-1.3774	-0.0003	0.0036	0.0012	0.0003
	COMB9	1.4378	1.4409	-0.0004	0.0048	-0.0016	-0.0026

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO AS-2 (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames

ELE.	Stat.	OutputCase	P	V2	M3	ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
Text	m	Text	Ton	Ton	Ton-m								
	0.00	ESPECTRO	1.90E-01	2.54E-04	1.28E-04		COMB10	0.7403	0.7426	-0.0002	0.0037	-0.0007	-0.0015
	0.53	ESPECTRO	1.90E-01	2.54E-04	1.55E-04								
	0.00	DEAD	2.70E-01	-1.32E-03	-6.28E-04								
	0.53	DEAD	2.72E-01	3.12E-03	-1.10E-03		COMB1	0.8941	0.8974	-0.0017	0.0045	-0.0016	-0.0024
	0.00	COBERT	2.61E-01	-2.55E-04	-3.40E-04		COMB2	2.4369	2.4397	-0.0031	0.0022	-0.0036	-0.0033
	0.53	COBERT	2.61E-01	-2.55E-04	-2.05E-04		COMB3	3.2492	3.2521	-0.0039	0.0014	-0.0046	-0.0040
	0.00	CORREAS	1.08E-01	3.37E-04	-1.93E-04		COMB4	-0.6725	-0.6696	-0.0001	0.0052	0.0005	-0.0009
2153	0.53	CORREAS	1.08E-01	3.37E-04	-3.72E-04	2153	COMB5	1.9730	1.9759	-0.0027	0.0027	-0.0030	-0.0030
	0.00	VIVA	1.04E+00	-1.02E-03	-1.36E-03		COMB6	-0.4403	-0.4375	-0.0003	0.0050	0.0002	-0.0011
	0.53	VIVA	1.04E+00	-1.02E-03	-8.21E-04		COMB7	2.5356	2.7300	-0.0030	0.0019	-0.0036	-0.0036
	0.00	VIENTO	1.51E+00	-1.47E-03	-1.96E-03		COMB8	-1.3861	-1.3840	0.0008	0.0048	0.0015	0.0000
	0.53	VIENTO	1.51E+00	-1.47E-03	-1.19E-03		COMB9	1.4757	1.4785	-0.0018	0.0035	-0.0019	-0.0023
	0.00	ESPECTRO	1.87E-01	1.68E-04	1.37E-04		COMB10	0.7620	0.7642	-0.0009	0.0031	-0.0009	-0.0014
	0.53	ESPECTRO	1.87E-01	1.68E-04	1.31E-04								
	0.00	DEAD	2.82E-01	-2.12E-03	-8.34E-04								
	0.53	DEAD	2.84E-01	2.41E-03	-9.10E-04		COMB1	0.9149	0.9180	-0.0044	0.0019	-0.0023	-0.0017
	0.00	COBERT	2.63E-01	-4.58E-04	-3.92E-04		COMB2	2.4662	2.4688	-0.0067	-0.0013	-0.0045	-0.0024
	0.53	COBERT	2.63E-01	-4.58E-04	-1.50E-04		COMB3	3.2841	3.2867	-0.0081	-0.0027	-0.0057	-0.0029
	0.00	CORREAS	1.09E-01	-5.69E-04	-4.34E-04		COMB4	-0.6644	-0.6618	-0.0012	0.0042	0.0002	-0.0006
2154	0.53	CORREAS	1.09E-01	-5.69E-04	-1.33E-04	2154	COMB5	1.9992	2.0018	-0.0059	-0.0005	-0.0038	-0.0021
	0.00	VIVA	1.05E+00	-1.83E-03	-1.57E-03		COMB6	-0.4307	-0.4280	-0.0017	0.0038	-0.0002	-0.0007
	0.53	VIVA	1.05E+00	-1.83E-03	-5.99E-04		COMB7	2.5624	2.7611	-0.0063	-0.0018	-0.0044	-0.0026
	0.00	VIENTO	1.52E+00	-2.65E-03	-2.26E-03		COMB8	-1.3861	-1.3841	0.0006	0.0047	0.0015	0.0001
	0.53	VIENTO	1.52E+00	-2.65E-03	-8.65E-04		COMB9	1.4928	1.4954	-0.0046	0.0009	-0.0026	-0.0016
	0.00	ESPECTRO	1.83E-01	1.21E-04	1.49E-04		COMB10	0.7711	0.7731	-0.0027	0.0014	-0.0013	-0.0010
	0.53	ESPECTRO	1.83E-01	1.21E-04	1.09E-04								
	0.00	DEAD	2.89E-01	-3.37E-03	-1.09E-03								
	0.53	DEAD	2.91E-01	1.23E-03	-5.22E-04		COMB1	0.9239	0.9267	-0.0065	-0.0001	-0.0027	-0.0009
	0.00	COBERT	2.58E-01	-8.49E-04	-4.63E-04		COMB2	2.4431	2.4455	-0.0110	-0.0055	-0.0053	-0.0009
	0.53	COBERT	2.58E-01	-8.49E-04	-1.48E-05		COMB3	3.2460	3.2484	-0.0136	-0.0081	-0.0067	-0.0009
	0.00	CORREAS	1.13E-01	-4.22E-04	-3.57E-04		COMB4	-0.6302	-0.6278	-0.0009	0.0046	0.0003	-0.0007
2155	0.53	CORREAS	1.13E-01	-4.22E-04	-1.34E-04	2155	COMB5	1.9846	1.9870	-0.0095	-0.0040	-0.0044	-0.0009
	0.00	VIVA	1.03E+00	-3.40E-03	-1.85E-03		COMB6	-0.4008	-0.3983	-0.0016	0.0039	-0.0001	-0.0007
	0.53	VIVA	1.03E+00	-3.40E-03	-5.93E-05		COMB7	2.5320	2.7325	-0.0106	-0.0064	-0.0052	-0.0009
	0.00	VIENTO	1.49E+00	-4.91E-03	-2.68E-03		COMB8	-1.3442	-1.3423	0.0022	0.0063	0.0018	-0.0005
	0.53	VIENTO	1.49E+00	-4.91E-03	-8.57E-05		COMB9	1.4853	1.4878	-0.0071	-0.0016	-0.0030	-0.0008
	0.00	ESPECTRO	1.77E-01	1.97E-04	1.71E-04		COMB10	0.7714	0.7732	-0.0040	0.0002	-0.0015	-0.0005
	0.53	ESPECTRO	1.77E-01	1.97E-04	6.68E-05								
	0.00	DEAD	2.92E-01	-2.78E-03	-8.43E-04								
	0.53	DEAD	2.94E-01	1.89E-03	-6.08E-04		COMB1	0.9170	0.9197	-0.0053	0.0013	-0.0021	-0.0011
	0.00	COBERT	2.51E-01	-4.38E-04	-3.26E-04		COMB2	2.3906	2.3929	-0.0073	-0.0017	-0.0039	-0.0015
	0.53	COBERT	2.51E-01	-4.38E-04	-9.52E-05		COMB3	3.1709	3.1732	-0.0087	-0.0031	-0.0049	-0.0018
	0.00	CORREAS	1.12E-01	-5.47E-04	-3.66E-04		COMB4	-0.5960	-0.5937	-0.0021	0.0035	0.0000	-0.0004
2156	0.53	CORREAS	1.12E-01	-5.47E-04	-7.66E-05	2156	COMB5	1.9451	1.9473	-0.0065	-0.0009	-0.0033	-0.0014
	0.00	VIVA	1.00E+00	-1.75E-03	-1.30E-03		COMB6	-0.3730	-0.3707	-0.0025	0.0031	-0.0003	-0.0005
	0.53	VIVA	1.00E+00	-1.75E-03	-3.81E-04		COMB7	2.4730	2.6717	-0.0067	-0.0022	-0.0038	-0.0017
	0.00	VIENTO	1.45E+00	-2.53E-03	-1.88E-03		COMB8	-1.2939	-1.2922	-0.0001	0.0041	0.0011	0.0000
	0.53	VIENTO	1.45E+00	-2.53E-03	-5.50E-04		COMB9	1.4581	1.4604	-0.0053	0.0003	-0.0024	-0.0010
	0.00	ESPECTRO	1.71E-01	1.18E-04	1.42E-04		COMB10	0.7602	0.7619	-0.0033	0.0009	-0.0012	-0.0006
	0.53	ESPECTRO	1.71E-01	1.18E-04	7.91E-05								
	0.00	DEAD	2.89E-01	-4.03E-03	-1.24E-03								
	0.53	DEAD	2.91E-01	6.89E-04	-3.58E-04		COMB1	0.9029	0.9053	-0.0077	-0.0011	-0.0030	-0.0006
	0.00	COBERT	2.45E-01	-8.73E-04	-4.71E-04		COMB2	2.3397	2.3418	-0.0122	-0.0065	-0.0056	-0.0006
	0.53	COBERT	2.45E-01	-8.73E-04	-1.03E-05		COMB3	3.1012	3.1032	-0.0149	-0.0092	-0.0070	-0.0007
	0.00	CORREAS	1.11E-01	-5.89E-04	-4.03E-04		COMB4	-0.5747	-0.5726	-0.0018	0.0039	0.0001	-0.0005
2157	0.53	CORREAS	1.11E-01	-5.89E-04	-9.26E-05	2157	COMB5	1.9050	1.9070	-0.0106	-0.0050	-0.0047	-0.0006
	0.00	VIVA	9.79E-01	-3.49E-03	-1.88E-03		COMB6	-0.3571	-0.3551	-0.0026	0.0031	-0.0004	-0.0005
	0.53	VIVA	9.79E-01	-3.49E-03	-4.10E-05		COMB7	2.4184	2.6139	-0.0115	-0.0075	-0.0054	-0.0006
	0.00	VIENTO	1.41E+00	-5.05E-03	-2.72E-03		COMB8	-1.2575	-1.2559	0.0016	0.0059	0.0016	-0.0003
	0.53	VIENTO	1.41E+00	-5.05E-03	-5.92E-05		COMB9	1.4259	1.4280	-0.0081	-0.0024	-0.0033	-0.0005
	0.00	ESPECTRO	1.63E-01	2.61E-04	1.86E-04		COMB10	0.7432	0.7447	-0.0047	-0.0004	-0.0017	-0.0004
	0.53	ESPECTRO	1.63E-01	2.61E-04	5.30E-05								
	0.00	DEAD	2.82E-01	-4.41E-03	-1.28E-03								
	0.53	DEAD	2.83E-01	3.70E-04	-2.18E-04		COMB1	0.8977	0.8998	-0.0091	-0.0024	-0.0032	-0.0002
	0.00	COBERT	2.52E-01	-9.72E-04	-4.80E-04		COMB2	2.3845	2.3864	-0.0141	-0.0083	-0.0058	0.0001
	0.53	COBERT	2.52E-01	-9.72E-04	3.25E-05		COMB3	3.1700	3.1718	-0.0171	-0.0113	-0.0073	0.0002
	0.00	CORREAS	1.07E-01	-1.15E-03	-5.29E-04		COMB4	-0.6217	-0.6198	-0.0025	0.0033	-0.0001	-0.0003
2158	0.53	CORREAS	1.07E-01	-1.15E-03	7.51E-05	2158	COMB5	1.9361	1.9379	-0.0123	-0.0066	-0.0050	0.0000
	0.00	VIVA	1.01E+00	-3.89E-03	-1.92E-03		COMB6	-0.3972	-0.3954	-0.0033	0.0024	-0.0005	-0.0003
	0.53	VIVA	1.01E+00	-3.89E-03	1.30E-04		COMB7	2.4729	2.6671	-0.0132	-0.0094	-0.0057	0.0001
	0.00	VIENTO	1.46E+00	-5.62E-03	-2.77E-03		COMB8	-1.3187	-1.3174	0.0014	0.0057	0.0015	-0.0003
	0.53	VIENTO	1.46E+00	-5.62E-03	1.88E-04		COMB9	1.4270	1.4288	-0.0095	-0.0037	-0.0035	0.0000
	0.00	ESPECTRO	1.53E-01	3.04E-04	1.89E-04		COMB10	0.7299	0.7313	-0.0056	-0.0013	-0.0019	-0.0001
	0.53	ESPECTRO	1.53E-01	3.04E-04	4.09E-05								
	0.00	DEAD	2.68E-01	-4.90E-03	-1.37E-03								
	0.53	DEAD	2.70E-01	-7.02E-05	-6.16E-05		COMB1	0.8879	0.8898	-0.0096	-0.0029	-0.0032	0.0001
	0.00	COBERT	2.64E-01	-1.11E-03	-5.08E-04		COMB2	2.4532	2.4549	-0.0154	-0.0096	-0.0060	0.0006
	0.53	COBERT	2.64E-01	-1.11E-03	7.93E-05		COMB3	3.2761	3.2778	-0.0189	-0.0131	-0.0076	0.0008

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO AS-2 (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames

ELE.	Stat.	OutputCase	P	V2	M3
Text	m	Text	Ton	Ton	Ton-m
2159	0.00	CORREAS	1.02E-01	-8.60E-04	-4.35E-04
	0.53	CORREAS	1.02E-01	-8.60E-04	1.83E-05
	0.00	VIVA	1.06E+00	-4.46E-03	-2.03E-03
	0.53	VIVA	1.06E+00	-4.46E-03	3.17E-04
	0.00	VIENTO	1.53E+00	-6.44E-03	-2.94E-03
	0.53	VIENTO	1.53E+00	-6.44E-03	4.58E-04
	0.00	ESPECTRO	1.42E-01	3.63E-04	1.98E-04
	0.53	ESPECTRO	1.42E-01	3.63E-04	3.19E-05
2160	0.00	DEAD	2.54E-01	-5.32E-03	-1.43E-03
	0.53	DEAD	2.55E-01	-4.50E-04	8.82E-05
	0.00	COBERT	2.79E-01	-1.23E-03	-5.24E-04
	0.53	COBERT	2.79E-01	-1.23E-03	1.22E-04
	0.00	CORREAS	9.53E-02	-1.45E-03	-5.71E-04
	0.53	CORREAS	9.53E-02	-1.45E-03	1.91E-04
	0.00	VIVA	1.12E+00	-4.91E-03	-2.10E-03
	0.53	VIVA	1.12E+00	-4.91E-03	4.88E-04
	0.00	VIENTO	1.61E+00	-7.09E-03	-3.03E-03
	0.53	VIENTO	1.61E+00	-7.09E-03	7.05E-04
	0.00	ESPECTRO	1.30E-01	4.17E-04	2.05E-04
	0.53	ESPECTRO	1.30E-01	4.17E-04	3.42E-05
2161	0.00	DEAD	2.36E-01	-5.65E-03	-1.47E-03
	0.53	DEAD	2.38E-01	-7.46E-04	2.16E-04
	0.00	COBERT	2.74E-01	-1.27E-03	-5.17E-04
	0.53	COBERT	2.74E-01	-1.27E-03	1.51E-04
	0.00	CORREAS	8.69E-02	-1.09E-03	-4.52E-04
	0.53	CORREAS	8.69E-02	-1.09E-03	1.20E-04
	0.00	VIVA	1.10E+00	-5.09E-03	-2.07E-03
	0.53	VIVA	1.10E+00	-5.09E-03	6.06E-04
	0.00	VIENTO	1.58E+00	-7.35E-03	-2.99E-03
	0.53	VIENTO	1.58E+00	-7.35E-03	8.75E-04
	0.00	ESPECTRO	1.18E-01	4.61E-04	2.09E-04
	0.53	ESPECTRO	1.18E-01	4.61E-04	4.42E-05
2162	0.00	DEAD	2.21E-01	-6.11E-03	-1.51E-03
	0.53	DEAD	2.22E-01	-1.18E-03	4.09E-04
	0.00	COBERT	2.59E-01	-1.35E-03	-5.12E-04
	0.53	COBERT	2.59E-01	-1.35E-03	2.00E-04
	0.00	CORREAS	8.06E-02	-1.70E-03	-5.83E-04
	0.53	CORREAS	8.06E-02	-1.70E-03	3.13E-04
	0.00	VIVA	1.04E+00	-5.42E-03	-2.05E-03
	0.53	VIVA	1.04E+00	-5.42E-03	8.01E-04
	0.00	VIENTO	1.50E+00	-7.83E-03	-2.96E-03
	0.53	VIENTO	1.50E+00	-7.83E-03	1.16E-03
	0.00	ESPECTRO	1.07E-01	5.32E-04	2.15E-04
	0.53	ESPECTRO	1.07E-01	5.32E-04	6.96E-05
2163	0.00	DEAD	2.04E-01	-5.60E-03	-1.42E-03
	0.53	DEAD	2.04E-01	-6.42E-04	2.23E-04
	0.00	COBERT	2.68E-01	-1.09E-03	-4.73E-04
	0.53	COBERT	2.68E-01	-1.09E-03	9.87E-05
	0.00	CORREAS	7.13E-02	-9.58E-04	-4.05E-04
	0.53	CORREAS	7.13E-02	-9.58E-04	9.84E-05
	0.00	VIVA	1.07E+00	-4.35E-03	-1.89E-03
	0.53	VIVA	1.07E+00	-4.35E-03	3.95E-04
	0.00	VIENTO	1.55E+00	-6.29E-03	-2.73E-03
	0.53	VIENTO	1.55E+00	-6.29E-03	5.70E-04
	0.00	ESPECTRO	9.48E-02	4.52E-04	2.00E-04
	0.53	ESPECTRO	9.48E-02	4.52E-04	4.16E-05
2164	0.00	DEAD	1.84E-01	-7.37E-03	-1.78E-03
	0.52	DEAD	1.85E-01	-2.40E-03	7.84E-04
	0.00	COBERT	3.23E-01	-1.65E-03	-5.90E-04
	0.52	COBERT	3.23E-01	-1.65E-03	2.74E-04
	0.00	CORREAS	6.45E-02	-2.14E-03	-6.69E-04
	0.52	CORREAS	6.45E-02	-2.14E-03	4.56E-04
	0.00	VIVA	1.29E+00	-6.59E-03	-2.36E-03
	0.52	VIVA	1.29E+00	-6.59E-03	1.09E-03
	0.00	VIENTO	1.87E+00	-9.51E-03	-3.41E-03
	0.52	VIENTO	1.87E+00	-9.51E-03	1.58E-03
	0.00	ESPECTRO	8.14E-02	7.01E-04	2.46E-04
	0.52	ESPECTRO	8.14E-02	7.01E-04	1.23E-04
2165	0.00	DEAD	1.51E-01	-7.05E-03	-1.56E-03
	0.52	DEAD	1.51E-01	-2.07E-03	8.31E-04
	0.00	COBERT	3.21E-01	-1.43E-03	-4.82E-04
	0.52	COBERT	3.21E-01	-1.43E-03	2.69E-04
	0.00	CORREAS	4.89E-02	-1.38E-03	-4.08E-04
	0.52	CORREAS	4.89E-02	-1.38E-03	3.14E-04
	0.00	VIVA	1.28E+00	-5.72E-03	-1.93E-03
	0.52	VIVA	1.28E+00	-5.72E-03	1.07E-03
	0.00	VIENTO	1.86E+00	-8.27E-03	-2.78E-03
	0.52	VIENTO	1.86E+00	-8.27E-03	1.55E-03

ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
2159	COMB4	-0.6964	-0.6948	-0.0021	0.0037	0.0000	-0.0004
	COMB5	1.9834	1.9850	-0.0134	-0.0076	-0.0051	0.0004
	COMB6	-0.4613	-0.4596	-0.0031	0.0027	-0.0004	-0.0003
	COMB7	2.5571	2.7490	-0.0146	-0.0108	-0.0059	0.0006
	COMB8	-1.4155	-1.4143	0.0022	0.0065	0.0017	-0.0006
	COMB9	1.4318	1.4334	-0.0101	-0.0043	-0.0036	0.0002
	COMB10	0.7127	0.7139	-0.0058	-0.0015	-0.0019	0.0001
2160							
	COMB1	0.8797	0.8813	-0.0112	-0.0044	-0.0035	0.0006
	COMB2	2.5406	2.5421	-0.0174	-0.0116	-0.0064	0.0013
	COMB3	3.4095	3.4109	-0.0213	-0.0154	-0.0080	0.0016
	COMB4	-0.7848	-0.7834	-0.0028	0.0030	-0.0001	-0.0002
	COMB5	2.0446	2.0460	-0.0153	-0.0094	-0.0055	0.0010
	COMB6	-0.5366	-0.5351	-0.0039	0.0019	-0.0006	-0.0001
	COMB7	2.6627	2.8526	-0.0164	-0.0130	-0.0062	0.0014
	COMB8	-1.5317	-1.5306	0.0020	0.0064	0.0017	-0.0006
	COMB9	1.4422	1.4436	-0.0116	-0.0058	-0.0039	0.0008
	COMB10	0.6954	0.6964	-0.0068	-0.0024	-0.0021	0.0004
2161							
	COMB1	0.8364	0.8378	-0.0112	-0.0043	-0.0034	0.0007
	COMB2	2.4708	2.4720	-0.0177	-0.0119	-0.0062	0.0016
	COMB3	3.3237	3.3249	-0.0217	-0.0158	-0.0078	0.0020
	COMB4	-0.7937	-0.7925	-0.0026	0.0033	-0.0001	-0.0003
	COMB5	1.9838	1.9850	-0.0155	-0.0096	-0.0053	0.0013
	COMB6	-0.5500	-0.5487	-0.0037	0.0022	-0.0005	-0.0001
	COMB7	2.5964	2.7768	-0.0168	-0.0133	-0.0061	0.0017
	COMB8	-1.5210	-1.5201	0.0023	0.0068	0.0017	-0.0007
	COMB9	1.3831	1.3843	-0.0117	-0.0058	-0.0037	0.0009
	COMB10	0.6558	0.6567	-0.0067	-0.0023	-0.0020	0.0005
2162							
	COMB1	0.7848	0.7860	-0.0128	-0.0059	-0.0036	0.0013
	COMB2	2.3307	2.3317	-0.0197	-0.0138	-0.0064	0.0024
	COMB3	3.1370	3.1380	-0.0239	-0.0180	-0.0080	0.0030
	COMB4	-0.7553	-0.7543	-0.0035	0.0024	-0.0003	0.0000
	COMB5	1.8703	1.8713	-0.0173	-0.0114	-0.0055	0.0020
	COMB6	-0.5249	-0.5239	-0.0047	0.0012	-0.0008	0.0002
	COMB7	2.4507	2.6199	-0.0184	-0.0153	-0.0062	0.0026
	COMB8	-1.4416	-1.4408	0.0019	0.0064	0.0015	-0.0007
	COMB9	1.2974	1.2984	-0.0132	-0.0073	-0.0039	0.0016
	COMB10	0.6111	0.6119	-0.0077	-0.0033	-0.0021	0.0009
2163							
	COMB1	0.7594	0.7603	-0.0107	-0.0038	-0.0032	0.0006
	COMB2	2.3640	2.3648	-0.0161	-0.0102	-0.0058	0.0011
	COMB3	3.1971	3.1979	-0.0195	-0.0136	-0.0072	0.0014
	COMB4	-0.8245	-0.8237	-0.0032	0.0028	-0.0001	0.0000
	COMB5	1.8883	1.8891	-0.0142	-0.0083	-0.0049	0.0010
	COMB6	-0.5865	-0.5857	-0.0041	0.0018	-0.0006	0.0000
	COMB7	2.4990	2.6625	-0.0151	-0.0114	-0.0056	0.0012
	COMB8	-1.5226	-1.5220	0.0013	0.0058	0.0015	-0.0004
	COMB9	1.2811	1.2819	-0.0109	-0.0049	-0.0035	0.0007
	COMB10	0.5830	0.5836	-0.0064	-0.0020	-0.0019	0.0004
2164							
	COMB1	0.8004	0.8011	-0.0156	-0.0087	-0.0043	0.0021
	COMB2	2.7519	2.7524	-0.0239	-0.0180	-0.0074	0.0036
	COMB3	3.7564	3.7570	-0.0291	-0.0231	-0.0093	0.0044
	COMB4	-1.0932	-1.0926	-0.0043	0.0016	-0.0004	0.0003
	COMB5	2.1783	2.1788	-0.0210	-0.0150	-0.0064	0.0031
	COMB6	-0.8061	-0.8055	-0.0058	0.0002	-0.0009	0.0006
	COMB7	2.9394	3.1115	-0.0224	-0.0198	-0.0072	0.0039
	COMB8	-1.9103	-1.9098	0.0023	0.0068	0.0017	-0.0007
	COMB9	1.4130	1.4136	-0.0160	-0.0100	-0.0046	0.0025
	COMB10	0.5959	0.5964	-0.0093	-0.0049	-0.0025	0.0015
2165							
	COMB1	0.7294	0.7299	-0.0138	-0.0068	-0.0034	0.0020
	COMB2	2.6803	2.6807	-0.0210	-0.0150	-0.0060	0.0034
	COMB3	3.6797	3.6801	-0.0254	-0.0195	-0.0075	0.0043
	COMB4	-1.1448	-1.1444	-0.0039	0.0020	-0.0003	0.0002
	COMB5	2.1097	2.1101	-0.0184	-0.0125	-0.0052	0.0029
	COMB6	-0.8592	-0.8589	-0.0052	0.0008	-0.0007	0.0005
	COMB7	2.8812	3.0379	-0.0196	-0.0166	-0.0058	0.0037
	COMB8	-1.9433	-1.9431	0.0019	0.0064	0.0014	-0.0007
	COMB9	1.3321	1.3325	-0.0140	-0.0081	-0.0037	0.0024

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO AS-2 (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames

ELE.	Stat.	OutputCase	P	V2	M3
Text	m	Text	Ton	Ton	Ton-m
	0.00	ESPECTRO	6.46E-02	6.67E-04	2.16E-04
	0.52	ESPECTRO	6.46E-02	6.67E-04	1.35E-04
2166	0.00	DEAD	7.54E-02	-7.01E-03	-1.47E-03
	0.52	DEAD	7.56E-02	-2.03E-03	8.95E-04
	0.00	COBERT	1.74E-01	-1.23E-03	-3.49E-04
	0.52	COBERT	1.74E-01	-1.23E-03	2.97E-04
	0.00	CORREAS	2.12E-02	-1.77E-03	-5.01E-04
	0.52	CORREAS	2.12E-02	-1.77E-03	4.28E-04
	0.00	VIVA	6.97E-01	-4.93E-03	-1.40E-03
	0.52	VIVA	6.97E-01	-4.93E-03	1.19E-03
	0.00	VIENTO	1.01E+00	-7.13E-03	-2.02E-03
	0.52	VIENTO	1.01E+00	-7.13E-03	1.71E-03
	0.00	ESPECTRO	4.54E-02	7.33E-04	2.13E-04
	0.52	ESPECTRO	4.54E-02	7.33E-04	1.72E-04
2167	0.00	DEAD	1.14E-01	-7.20E-03	-1.38E-03
	0.50	DEAD	1.14E-01	-4.77E-03	1.61E-03
	0.00	COBERT	2.54E-02	-1.52E-03	-3.14E-04
	0.50	COBERT	2.54E-02	-1.52E-03	4.46E-04
	0.00	CORREAS	4.44E-02	-1.96E-03	-3.92E-04
	0.50	CORREAS	4.44E-02	-1.96E-03	5.89E-04
	0.00	VIVA	1.02E-01	-6.08E-03	-1.25E-03
	0.50	VIVA	1.02E-01	-6.08E-03	1.78E-03
	0.00	VIENTO	1.47E-01	-8.79E-03	-1.81E-03
	0.50	VIENTO	1.47E-01	-8.79E-03	2.58E-03
	0.00	ESPECTRO	1.95E-02	1.03E-03	1.94E-04
	0.50	ESPECTRO	1.95E-02	1.03E-03	3.24E-04
BRIDA INFERIOR					
603	0.00	DEAD	3.46E-03	-2.40E-03	-8.88E-05
	0.50	DEAD	3.37E-03	2.34E-03	-7.46E-05
	0.00	COBERT	1.61E-03	-2.97E-04	-7.10E-05
	0.50	COBERT	1.61E-03	-2.97E-04	7.72E-05
	0.00	CORREAS	1.35E-03	-1.81E-04	-3.07E-05
	0.50	CORREAS	1.35E-03	-1.81E-04	5.93E-05
	0.00	VIVA	6.46E-03	-1.19E-03	-2.84E-04
	0.50	VIVA	6.46E-03	-1.19E-03	3.09E-04
	0.00	VIENTO	9.33E-03	-1.72E-03	-4.10E-04
	0.50	VIENTO	9.33E-03	-1.72E-03	4.46E-04
	0.00	ESPECTRO	4.80E-03	3.94E-04	1.23E-04
	0.50	ESPECTRO	4.80E-03	3.94E-04	7.39E-05
604	0.00	DEAD	-3.78E-02	-2.07E-03	-1.09E-04
	0.50	DEAD	-3.81E-02	2.67E-03	-2.60E-04
	0.00	COBERT	1.42E-02	-1.94E-04	-4.90E-05
	0.50	COBERT	1.42E-02	-1.94E-04	4.78E-05
	0.00	CORREAS	-4.75E-03	2.54E-04	9.00E-05
	0.50	CORREAS	-4.75E-03	2.54E-04	-3.69E-05
	0.00	VIVA	5.67E-02	-7.77E-04	-1.96E-04
	0.50	VIVA	5.67E-02	-7.77E-04	1.91E-04
	0.00	VIENTO	8.20E-02	-1.12E-03	-2.83E-04
	0.50	VIENTO	8.20E-02	-1.12E-03	2.76E-04
	0.00	ESPECTRO	3.55E-02	8.28E-04	2.14E-04
	0.50	ESPECTRO	3.55E-02	8.28E-04	1.99E-04
605	0.00	DEAD	-8.85E-02	-1.60E-03	2.16E-05
	0.50	DEAD	-8.89E-02	3.13E-03	-3.60E-04
	0.00	COBERT	2.03E-02	1.14E-04	-3.27E-07
	0.50	COBERT	2.03E-02	1.14E-04	-5.73E-05
	0.00	CORREAS	-2.58E-02	4.41E-04	1.36E-04
	0.50	CORREAS	-2.58E-02	4.41E-04	-8.41E-05
	0.00	VIVA	8.14E-02	4.57E-04	-1.31E-06
	0.50	VIVA	8.14E-02	4.57E-04	-2.29E-04
	0.00	VIENTO	1.18E-01	6.60E-04	-1.89E-06
	0.50	VIENTO	1.18E-01	6.60E-04	-3.31E-04
	0.00	ESPECTRO	6.35E-02	5.25E-04	9.13E-05
	0.50	ESPECTRO	6.35E-02	5.25E-04	1.71E-04
606	0.00	DEAD	-1.46E-01	-1.62E-03	2.41E-06
	0.50	DEAD	-1.46E-01	3.09E-03	-3.63E-04
	0.00	COBERT	1.73E-02	1.54E-04	-5.45E-06
	0.50	COBERT	1.73E-02	1.54E-04	-8.23E-05
	0.00	CORREAS	-4.33E-02	4.55E-04	1.38E-04
	0.50	CORREAS	-4.33E-02	4.55E-04	-8.85E-05
	0.00	VIVA	6.91E-02	6.17E-04	-2.18E-05
	0.50	VIVA	6.91E-02	6.17E-04	-3.29E-04
	0.00	VIENTO	9.98E-02	8.91E-04	-3.15E-05
	0.50	VIENTO	9.98E-02	8.91E-04	-4.76E-04
	0.00	ESPECTRO	8.99E-02	4.85E-04	7.90E-05
	0.50	ESPECTRO	8.99E-02	4.85E-04	1.63E-04
	0.00	DEAD	-2.06E-01	-1.25E-03	4.51E-05
	0.50	DEAD	-2.07E-01	3.44E-03	-5.00E-04
	0.00	COBERT	6.57E-03	3.28E-04	4.07E-05

ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
	COMB10	0.5336	0.5338	-0.0082	-0.0037	-0.0020	0.0014
	COMB1	0.3792	0.3794	-0.0140	-0.0070	-0.0033	0.0023
	COMB2	1.4402	1.4403	-0.0199	-0.0139	-0.0050	0.0038
	COMB3	1.9824	1.9826	-0.0238	-0.0178	-0.0061	0.0048
	COMB4	-0.6354	-0.6352	-0.0052	0.0008	-0.0009	0.0003
2166	COMB5	1.1305	1.1307	-0.0177	-0.0117	-0.0044	0.0033
	COMB6	-0.4805	-0.4803	-0.0063	-0.0003	-0.0012	0.0006
	COMB7	1.5527	1.6341	-0.0183	-0.0153	-0.0047	0.0042
	COMB8	-1.0652	-1.0650	0.0002	0.0047	0.0005	-0.0008
	COMB9	0.7189	0.7191	-0.0138	-0.0078	-0.0033	0.0027
	COMB10	0.2892	0.2893	-0.0083	-0.0038	-0.0019	0.0016
	COMB1	0.2578	0.2577	-0.0150	-0.0116	-0.0029	0.0037
	COMB2	0.3837	0.3836	-0.0226	-0.0196	-0.0045	0.0060
	COMB3	0.4628	0.4628	-0.0273	-0.0244	-0.0055	0.0074
	COMB4	0.0808	0.0808	-0.0044	-0.0015	-0.0008	0.0007
2167	COMB5	0.3385	0.3385	-0.0198	-0.0169	-0.0040	0.0052
	COMB6	0.1034	0.1034	-0.0058	-0.0029	-0.0011	0.0011
	COMB7	0.3567	0.4119	-0.0210	-0.0213	-0.0042	0.0065
	COMB8	-0.0253	-0.0253	0.0018	0.0040	0.0005	-0.0010
	COMB9	0.2913	0.2913	-0.0148	-0.0119	-0.0029	0.0044
	COMB10	0.1852	0.1852	-0.0086	-0.0064	-0.0017	0.0027
BRIDA INFERIOR							
	COMB1	0.0090	0.0089	-0.0040	0.0026	-0.0003	0.0001
	COMB2	0.0180	0.0179	-0.0054	0.0003	-0.0007	0.0006
	COMB3	0.0231	0.0230	-0.0063	-0.0006	-0.0009	0.0008
	COMB4	-0.0012	-0.0013	-0.0018	0.0039	0.0002	-0.0004
603	COMB5	0.0152	0.0151	-0.0048	0.0009	-0.0006	0.0004
	COMB6	0.0002	0.0001	-0.0021	0.0036	0.0001	-0.0003
	COMB7	0.0179	0.0197	-0.0048	0.0000	-0.0007	0.0007
	COMB8	-0.0063	-0.0064	-0.0004	0.0039	0.0004	-0.0005
	COMB9	0.0157	0.0156	-0.0037	0.0020	-0.0002	0.0003
	COMB10	0.0106	0.0105	-0.0022	0.0021	0.0000	0.0001
	COMB1	-0.0398	-0.0401	-0.0028	0.0038	-0.0001	-0.0003
	COMB2	0.0567	0.0564	-0.0037	0.0020	-0.0004	0.0000
	COMB3	0.1008	0.1005	-0.0043	0.0014	-0.0005	0.0002
	COMB4	-0.1123	-0.1126	-0.0013	0.0044	0.0002	-0.0006
604	COMB5	0.0315	0.0312	-0.0033	0.0024	-0.0003	-0.0001
	COMB6	-0.0997	-0.1000	-0.0015	0.0042	0.0001	-0.0005
	COMB7	0.0810	0.0721	-0.0033	0.0018	-0.0004	0.0001
	COMB8	-0.1321	-0.1323	-0.0003	0.0039	0.0003	-0.0006
	COMB9	0.0298	0.0295	-0.0020	0.0037	0.0000	0.0000
	COMB10	0.0099	0.0097	-0.0010	0.0033	0.0002	0.0000
	COMB1	-0.1316	-0.1322	-0.0015	0.0052	0.0002	-0.0007
	COMB2	0.0174	0.0169	-0.0005	0.0052	0.0002	-0.0010
	COMB3	0.0807	0.0802	-0.0002	0.0055	0.0002	-0.0011
	COMB4	-0.2250	-0.2255	-0.0019	0.0038	0.0002	-0.0003
605	COMB5	-0.0188	-0.0193	-0.0007	0.0049	0.0002	-0.0009
	COMB6	-0.2069	-0.2074	-0.0018	0.0039	0.0002	-0.0003
	COMB7	0.0682	0.0395	-0.0001	0.0053	0.0001	-0.0010
	COMB8	-0.2375	-0.2378	-0.0018	0.0025	0.0001	0.0000
	COMB9	-0.0086	-0.0091	-0.0005	0.0052	0.0003	-0.0005
	COMB10	-0.0211	-0.0215	-0.0004	0.0038	0.0002	-0.0003
	COMB1	-0.2405	-0.2413	-0.0014	0.0052	0.0002	-0.0007
	COMB2	-0.0956	-0.0963	-0.0002	0.0054	0.0001	-0.0012
	COMB3	-0.0419	-0.0426	0.0003	0.0059	0.0001	-0.0014
	COMB4	-0.3013	-0.3020	-0.0021	0.0036	0.0002	-0.0002
606	COMB5	-0.1263	-0.1270	-0.0005	0.0052	0.0001	-0.0010
	COMB6	-0.2859	-0.2866	-0.0019	0.0037	0.0002	-0.0003
	COMB7	-0.0249	-0.0771	0.0002	0.0056	0.0001	-0.0013
	COMB8	-0.2843	-0.2848	-0.0021	0.0022	0.0002	0.0001
	COMB9	-0.0817	-0.0824	-0.0004	0.0052	0.0002	-0.0006
	COMB10	-0.0647	-0.0652	-0.0004	0.0038	0.0002	-0.0003
	COMB1	-0.3810	-0.3821	-0.0004	0.0061	0.0003	-0.0011
	COMB2	-0.2845	-0.2854	0.0017	0.0074	0.0006	-0.0017

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO AS-2 (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames

ELE.	Stat.	OutputCase	P	V2	M3
Text	m	Text	Ton	Ton	Ton-m
607	0.50	COBERT	6.57E-03	3.28E-04	-1.23E-04
	0.00	CORREAS	-7.23E-02	6.17E-04	1.59E-04
	0.50	CORREAS	-7.23E-02	6.17E-04	-1.49E-04
	0.00	VIVA	2.63E-02	1.31E-03	1.63E-04
	0.50	VIVA	2.63E-02	1.31E-03	-4.92E-04
	0.00	VIENTO	3.80E-02	1.90E-03	2.35E-04
	0.50	VIENTO	3.80E-02	1.90E-03	-7.11E-04
	0.00	ESPECTRO	1.14E-01	5.00E-04	6.05E-05
	0.50	ESPECTRO	1.14E-01	5.00E-04	1.90E-04
608	0.00	DEAD	-2.68E-01	-1.91E-03	-1.10E-04
	0.50	DEAD	-2.69E-01	2.74E-03	-3.17E-04
	0.00	COBERT	-7.23E-03	2.72E-04	4.77E-05
	0.50	COBERT	-7.23E-03	2.72E-04	-8.79E-05
	0.00	CORREAS	-9.50E-02	3.95E-04	1.05E-04
	0.50	CORREAS	-9.50E-02	3.95E-04	-9.18E-05
	0.00	VIVA	-2.89E-02	1.09E-03	1.91E-04
	0.50	VIVA	-2.89E-02	1.09E-03	-3.52E-04
	0.00	VIENTO	-4.18E-02	1.57E-03	2.76E-04
	0.50	VIENTO	-4.18E-02	1.57E-03	-5.08E-04
	0.00	ESPECTRO	1.35E-01	2.14E-04	2.50E-05
	0.50	ESPECTRO	1.35E-01	2.14E-04	1.18E-04
609	0.00	DEAD	-3.28E-01	-1.77E-03	-6.02E-05
	0.50	DEAD	-3.29E-01	2.85E-03	-3.29E-04
	0.00	COBERT	-2.18E-02	3.15E-04	6.30E-05
	0.50	COBERT	-2.18E-02	3.15E-04	-9.38E-05
	0.00	CORREAS	-1.26E-01	2.93E-04	8.34E-05
	0.50	CORREAS	-1.26E-01	2.93E-04	-6.26E-05
	0.00	VIVA	-8.71E-02	1.26E-03	2.52E-04
	0.50	VIVA	-8.71E-02	1.26E-03	-3.75E-04
	0.00	VIENTO	-1.26E-01	1.82E-03	3.64E-04
	0.50	VIENTO	-1.26E-01	1.82E-03	-5.42E-04
	0.00	ESPECTRO	1.53E-01	1.96E-04	3.36E-05
	0.50	ESPECTRO	1.53E-01	1.96E-04	1.11E-04
610	0.00	DEAD	-3.85E-01	-1.89E-03	-9.97E-05
	0.50	DEAD	-3.87E-01	2.69E-03	-3.00E-04
	0.00	COBERT	-3.67E-02	2.93E-04	5.56E-05
	0.50	COBERT	-3.67E-02	2.93E-04	-9.06E-05
	0.00	CORREAS	-1.48E-01	3.56E-04	9.97E-05
	0.50	CORREAS	-1.48E-01	3.56E-04	-7.78E-05
	0.00	VIVA	-1.47E-01	1.17E-03	2.23E-04
	0.50	VIVA	-1.47E-01	1.17E-03	-3.62E-04
	0.00	VIENTO	-2.12E-01	1.69E-03	3.21E-04
	0.50	VIENTO	-2.12E-01	1.69E-03	-5.23E-04
	0.00	ESPECTRO	1.68E-01	1.27E-04	5.84E-05
	0.50	ESPECTRO	1.68E-01	1.27E-04	9.37E-05
611	0.00	DEAD	-4.37E-01	-2.01E-03	-1.39E-04
	0.50	DEAD	-4.38E-01	2.52E-03	-2.66E-04
	0.00	COBERT	-5.16E-02	2.51E-04	4.56E-05
	0.50	COBERT	-5.16E-02	2.51E-04	-7.95E-05
	0.00	CORREAS	-1.75E-01	1.30E-04	3.67E-05
	0.50	CORREAS	-1.75E-01	1.30E-04	-2.84E-05
	0.00	VIVA	-2.06E-01	1.00E-03	1.83E-04
	0.50	VIVA	-2.06E-01	1.00E-03	-3.18E-04
	0.00	VIENTO	-2.98E-01	1.45E-03	2.64E-04
	0.50	VIENTO	-2.98E-01	1.45E-03	-4.59E-04
	0.00	ESPECTRO	1.80E-01	1.05E-04	8.20E-05
	0.50	ESPECTRO	1.80E-01	1.05E-04	7.66E-05
612	0.00	DEAD	-4.80E-01	-2.16E-03	-1.84E-04
	0.50	DEAD	-4.81E-01	2.33E-03	-2.26E-04
	0.00	COBERT	-6.55E-02	1.89E-04	3.29E-05
	0.50	COBERT	-6.55E-02	1.89E-04	-6.11E-05
	0.00	CORREAS	-1.91E-01	1.60E-04	4.56E-05
	0.50	CORREAS	-1.91E-01	1.60E-04	-3.44E-05
	0.00	VIVA	-2.62E-01	7.55E-04	1.32E-04
	0.50	VIVA	-2.62E-01	7.55E-04	-2.45E-04
	0.00	VIENTO	-3.78E-01	1.09E-03	1.90E-04
	0.50	VIENTO	-3.78E-01	1.09E-03	-3.53E-04
	0.00	ESPECTRO	1.88E-01	1.39E-04	1.05E-04
	0.50	ESPECTRO	1.88E-01	1.39E-04	5.90E-05
613	0.00	DEAD	-5.13E-01	-2.33E-03	-2.34E-04
	0.50	DEAD	-5.15E-01	2.10E-03	-1.77E-04
	0.00	COBERT	-7.73E-02	1.26E-04	1.89E-05
	0.50	COBERT	-7.73E-02	1.26E-04	-4.38E-05
	0.00	CORREAS	-2.10E-01	-8.35E-05	-2.10E-05
	0.50	CORREAS	-2.10E-01	-8.35E-05	2.06E-05
	0.00	VIVA	-3.09E-01	5.04E-04	7.57E-05
	0.50	VIVA	-3.09E-01	5.04E-04	-1.75E-04
	0.00	VIENTO	-4.47E-01	7.27E-04	1.09E-04

ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
607	COMB3	-0.2641	-0.2650	0.0028	0.0084	0.0007	-0.0021
	COMB4	-0.3628	-0.3637	-0.0022	0.0035	0.0001	-0.0002
	COMB5	-0.2962	-0.2971	0.0012	0.0068	0.0005	-0.0015
	COMB6	-0.3570	-0.3579	-0.0019	0.0037	0.0001	-0.0004
	COMB7	-0.1956	-0.2781	0.0022	0.0077	0.0005	-0.0018
	COMB8	-0.2943	-0.2950	-0.0027	0.0015	-0.0001	0.0002
	COMB9	-0.1997	-0.2006	0.0008	0.0064	0.0004	-0.0010
	COMB10	-0.1312	-0.1318	0.0002	0.0044	0.0003	-0.0005
608							
	COMB1	-0.5178	-0.5190	-0.0017	0.0048	0.0001	-0.0007
	COMB2	-0.4901	-0.4912	0.0002	0.0058	0.0004	-0.0012
	COMB3	-0.5126	-0.5137	0.0011	0.0067	0.0005	-0.0014
	COMB4	-0.4039	-0.4050	-0.0030	0.0026	-0.0002	-0.0001
	COMB5	-0.4772	-0.4783	-0.0002	0.0054	0.0003	-0.0010
	COMB6	-0.4103	-0.4114	-0.0028	0.0028	-0.0002	-0.0002
	COMB7	-0.3872	-0.4992	0.0009	0.0061	0.0004	-0.0013
	COMB8	-0.2785	-0.2793	-0.0032	0.0010	-0.0003	0.0002
	COMB9	-0.3231	-0.3242	-0.0007	0.0049	0.0002	-0.0007
	COMB10	-0.1977	-0.1985	-0.0009	0.0033	0.0001	-0.0003
609							
	COMB1	-0.6661	-0.6676	-0.0016	0.0048	0.0001	-0.0007
	COMB2	-0.7103	-0.7116	0.0006	0.0062	0.0005	-0.0012
	COMB3	-0.7780	-0.7793	0.0016	0.0071	0.0007	-0.0015
	COMB4	-0.4510	-0.4522	-0.0031	0.0024	-0.0002	-0.0001
	COMB5	-0.6716	-0.6729	0.0001	0.0056	0.0004	-0.0010
	COMB6	-0.4703	-0.4716	-0.0029	0.0027	-0.0002	-0.0001
	COMB7	-0.5917	-0.7358	0.0013	0.0065	0.0006	-0.0013
	COMB8	-0.2647	-0.2656	-0.0034	0.0007	-0.0004	0.0003
	COMB9	-0.4610	-0.4623	-0.0006	0.0050	0.0003	-0.0007
	COMB10	-0.2747	-0.2757	-0.0009	0.0033	0.0001	-0.0003
610							
	COMB1	-0.7976	-0.7993	-0.0017	0.0047	0.0001	-0.0007
	COMB2	-0.9184	-0.9199	0.0004	0.0059	0.0004	-0.0011
	COMB3	-1.0326	-1.0341	0.0013	0.0068	0.0006	-0.0014
	COMB4	-0.4815	-0.4829	-0.0031	0.0024	-0.0002	-0.0001
	COMB5	-0.8532	-0.8547	-0.0001	0.0054	0.0003	-0.0010
	COMB6	-0.5141	-0.5156	-0.0028	0.0027	-0.0002	-0.0001
	COMB7	-0.7883	-0.9607	0.0011	0.0062	0.0005	-0.0012
	COMB8	-0.2372	-0.2383	-0.0033	0.0008	-0.0004	0.0003
	COMB9	-0.5886	-0.5900	-0.0008	0.0047	0.0002	-0.0007
	COMB10	-0.3443	-0.3454	-0.0010	0.0031	0.0001	-0.0003
611							
	COMB1	-0.9279	-0.9298	-0.0023	0.0041	-0.0001	-0.0005
	COMB2	-1.1253	-1.1269	-0.0004	0.0051	0.0002	-0.0010
	COMB3	-1.2857	-1.2874	0.0004	0.0059	0.0004	-0.0012
	COMB4	-0.5111	-0.5128	-0.0033	0.0021	-0.0003	0.0000
	COMB5	-1.0337	-1.0353	-0.0008	0.0046	0.0001	-0.0008
	COMB6	-0.5570	-0.5587	-0.0031	0.0023	-0.0003	-0.0001
	COMB7	-0.9838	-1.1843	0.0004	0.0054	0.0003	-0.0010
	COMB8	-0.2092	-0.2104	-0.0034	0.0007	-0.0004	0.0003
	COMB9	-0.7184	-0.7201	-0.0014	0.0041	0.0001	-0.0005
	COMB10	-0.4165	-0.4177	-0.0014	0.0027	0.0000	-0.0003
612							
	COMB1	-1.0305	-1.0326	-0.0025	0.0037	-0.0001	-0.0004
	COMB2	-1.3022	-1.3040	-0.0010	0.0044	0.0001	-0.0008
	COMB3	-1.5058	-1.5077	-0.0004	0.0050	0.0002	-0.0010
	COMB4	-0.5225	-0.5243	-0.0032	0.0022	-0.0003	0.0000
	COMB5	-1.1858	-1.1877	-0.0013	0.0041	0.0000	-0.0007
	COMB6	-0.5807	-0.5826	-0.0030	0.0023	-0.0003	-0.0001
	COMB7	-1.1541	-1.3768	-0.0002	0.0046	0.0002	-0.0008
	COMB8	-0.1708	-0.1722	-0.0030	0.0010	-0.0003	0.0002
	COMB9	-0.8260	-0.8279	-0.0017	0.0037	0.0000	-0.0004
	COMB10	-0.4743	-0.4757	-0.0015	0.0025	0.0000	-0.0002
613							
	COMB1	-1.1214	-1.1238	-0.0032	0.0030	-0.0003	-0.0003
	COMB2	-1.4559	-1.4580	-0.0019	0.0034	-0.0002	-0.0005
	COMB3	-1.6965	-1.6986	-0.0015	0.0038	-0.0001	-0.0007
	COMB4	-0.5350	-0.5371	-0.0034	0.0019	-0.0004	0.0000
	COMB5	-1.3186	-1.3206	-0.0022	0.0032	-0.0002	-0.0004
	COMB6	-0.6038	-0.6058	-0.0033	0.0020	-0.0004	0.0000
	COMB7	-1.3016	-1.5440	-0.0011	0.0035	-0.0001	-0.0006
	COMB8	-0.1401	-0.1417	-0.0030	0.0010	-0.0004	0.0001

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO AS-2 (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames

ELE.	Stat.	OutputCase	P	V2	M3	ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
Text	m	Text	Ton	Ton	Ton-m								
	0.50	VIENTO	-4.47E-01	7.27E-04	-2.53E-04		COMB9	-0.9229	-0.9250	-0.0023	0.0030	-0.0001	-0.0003
	0.00	ESPECTRO	1.93E-01	2.06E-04	1.26E-04		COMB10	-0.5280	-0.5296	-0.0019	0.0021	-0.0001	-0.0001
	0.50	ESPECTRO	1.93E-01	2.06E-04	4.03E-05								
	0.00	DEAD	-5.37E-01	-2.46E-03	-2.77E-04								
	0.50	DEAD	-5.39E-01	1.91E-03	-1.39E-04		COMB1	-1.1776	-1.1802	-0.0035	0.0026	-0.0004	-0.0002
	0.00	COBERT	-8.63E-02	2.61E-05	-3.19E-06		COMB2	-1.5618	-1.5641	-0.0028	0.0024	-0.0004	-0.0003
	0.50	COBERT	-8.63E-02	2.61E-05	-1.62E-05		COMB3	-1.8305	-1.8327	-0.0027	0.0025	-0.0004	-0.0003
	0.00	CORREAS	-2.18E-01	-6.25E-05	-1.53E-05		COMB4	-0.5336	-0.5358	-0.0031	0.0021	-0.0003	-0.0001
	0.50	CORREAS	-2.18E-01	-6.25E-05	1.59E-05		COMB5	-1.4084	-1.4107	-0.0029	0.0024	-0.0004	-0.0002
614	0.00	VIVA	-3.45E-01	1.04E-04	-1.28E-05	614	COMB6	-0.6103	-0.6126	-0.0031	0.0021	-0.0003	-0.0001
	0.50	VIVA	-3.45E-01	1.04E-04	-6.48E-05		COMB7	-1.4055	-1.6601	-0.0021	0.0024	-0.0003	-0.0003
	0.00	VIENTO	-4.99E-01	1.51E-04	-1.84E-05		COMB8	-0.1086	-0.1103	-0.0024	0.0015	-0.0002	0.0000
	0.50	VIENTO	-4.99E-01	1.51E-04	-9.36E-05		COMB9	-0.9878	-0.9900	-0.0027	0.0025	-0.0002	-0.0002
	0.00	ESPECTRO	1.94E-01	2.34E-04	1.40E-04		COMB10	-0.5628	-0.5645	-0.0020	0.0019	-0.0001	-0.0001
	0.50	ESPECTRO	1.94E-01	2.34E-04	2.86E-05								
	0.00	DEAD	-5.49E-01	-2.63E-03	-3.40E-04								
	0.50	DEAD	-5.51E-01	1.67E-03	-9.88E-05		COMB1	-1.2173	-1.2202	-0.0042	0.0019	-0.0006	0.0000
	0.00	COBERT	-9.22E-02	3.40E-05	-1.93E-06		COMB2	-1.6338	-1.6362	-0.0034	0.0018	-0.0005	-0.0001
	0.50	COBERT	-9.22E-02	3.40E-05	-1.89E-05		COMB3	-1.9209	-1.9233	-0.0032	0.0019	-0.0005	-0.0002
	0.00	CORREAS	-2.28E-01	-3.76E-04	-9.19E-05		COMB4	-0.5349	-0.5373	-0.0038	0.0014	-0.0005	0.0001
615	0.50	CORREAS	-2.28E-01	-3.76E-04	9.56E-05	615	COMB5	-1.4699	-1.4723	-0.0034	0.0017	-0.0005	-0.0001
	0.00	VIVA	-3.69E-01	1.36E-04	-7.73E-06		COMB6	-0.6170	-0.6194	-0.0037	0.0014	-0.0005	0.0001
	0.50	VIVA	-3.69E-01	1.36E-04	-7.56E-05		COMB7	-1.4756	-1.7388	-0.0024	0.0018	-0.0004	-0.0002
	0.00	VIENTO	-5.33E-01	1.97E-04	-1.12E-05		COMB8	-0.0896	-0.0914	-0.0029	0.0009	-0.0004	0.0001
	0.50	VIENTO	-5.33E-01	1.97E-04	-1.09E-04		COMB9	-1.0355	-1.0379	-0.0031	0.0021	-0.0003	0.0000
	0.00	ESPECTRO	1.92E-01	4.26E-04	1.91E-04		COMB10	-0.5902	-0.5920	-0.0023	0.0016	-0.0002	0.0000
	0.50	ESPECTRO	1.92E-01	4.26E-04	3.19E-05								
	0.00	DEAD	-5.49E-01	-3.05E-03	-4.53E-04								
	0.50	DEAD	-5.51E-01	1.18E-03	1.29E-05		COMB1	-1.2175	-1.2206	-0.0048	0.0011	-0.0008	0.0001
	0.00	COBERT	-9.50E-02	-1.15E-04	-4.69E-05		COMB2	-1.6515	-1.6540	-0.0048	0.0002	-0.0010	0.0002
	0.50	COBERT	-9.50E-02	-1.15E-04	1.03E-05		COMB3	-1.9470	-1.9496	-0.0052	-0.0001	-0.0011	0.0002
	0.00	CORREAS	-2.26E-01	-2.61E-04	-7.12E-05		COMB4	-0.5201	-0.5227	-0.0035	0.0016	-0.0004	0.0000
616	0.50	CORREAS	-2.26E-01	-2.61E-04	5.88E-05	616	COMB5	-1.4827	-1.4853	-0.0046	0.0004	-0.0009	0.0001
	0.00	VIVA	-3.80E-01	-4.59E-04	-1.88E-04		COMB6	-0.6045	-0.6071	-0.0036	0.0015	-0.0005	0.0001
	0.50	VIVA	-3.80E-01	-4.59E-04	4.12E-05		COMB7	-1.4962	-1.7597	-0.0039	0.0001	-0.0009	0.0002
	0.00	VIENTO	-5.49E-01	-6.63E-04	-2.71E-04		COMB8	-0.0692	-0.0712	-0.0022	0.0016	-0.0002	0.0000
	0.50	VIENTO	-5.49E-01	-6.63E-04	5.95E-05		COMB9	-1.0462	-1.0488	-0.0039	0.0012	-0.0006	0.0002
	0.00	ESPECTRO	1.87E-01	4.55E-04	1.90E-04		COMB10	-0.5953	-0.5973	-0.0026	0.0012	-0.0003	0.0001
	0.50	ESPECTRO	1.87E-01	4.55E-04	3.91E-05								
	0.00	DEAD	-5.34E-01	-3.36E-03	-5.29E-04								
	0.50	DEAD	-5.37E-01	7.85E-04	1.14E-04		COMB1	-1.1970	-1.2003	-0.0061	-0.0002	-0.0011	0.0005
	0.00	COBERT	-9.49E-02	-1.91E-04	-6.46E-05		COMB2	-1.6335	-1.6363	-0.0064	-0.0014	-0.0014	0.0006
	0.50	COBERT	-9.49E-02	-1.91E-04	3.05E-05		COMB3	-1.9289	-1.9317	-0.0070	-0.0020	-0.0016	0.0007
	0.00	CORREAS	-2.26E-01	-7.67E-04	-1.97E-04		COMB4	-0.5028	-0.5056	-0.0041	0.0008	-0.0006	0.0002
617	0.50	CORREAS	-2.26E-01	-7.67E-04	1.85E-04	617	COMB5	-1.4648	-1.4676	-0.0061	-0.0011	-0.0012	0.0005
	0.00	VIVA	-3.80E-01	-7.63E-04	-2.58E-04		COMB6	-0.5872	-0.5900	-0.0043	0.0007	-0.0007	0.0003
	0.50	VIVA	-3.80E-01	-7.63E-04	1.22E-04		COMB7	-1.4826	-1.7419	-0.0053	-0.0016	-0.0012	0.0006
	0.00	VIENTO	-5.49E-01	-1.10E-03	-3.73E-04		COMB8	-0.0565	-0.0585	-0.0025	0.0013	-0.0002	0.0001
	0.50	VIENTO	-5.49E-01	-1.10E-03	1.76E-04		COMB9	-1.0365	-1.0393	-0.0050	0.0000	-0.0009	0.0005
	0.00	ESPECTRO	1.79E-01	5.49E-04	2.10E-04		COMB10	-0.5902	-0.5922	-0.0033	0.0004	-0.0005	0.0004
	0.50	ESPECTRO	1.79E-01	5.49E-04	6.35E-05								
	0.00	DEAD	-5.07E-01	-3.65E-03	-5.96E-04								
	0.50	DEAD	-5.10E-01	4.18E-04	2.10E-04		COMB1	-1.1398	-1.1432	-0.0063	-0.0006	-0.0011	0.0006
	0.00	COBERT	-9.23E-02	-2.72E-04	-8.43E-05		COMB2	-1.5675	-1.5704	-0.0071	-0.0022	-0.0015	0.0008
	0.50	COBERT	-9.23E-02	-2.72E-04	5.15E-05		COMB3	-1.8546	-1.8576	-0.0080	-0.0031	-0.0018	0.0010
	0.00	CORREAS	-2.15E-01	-5.53E-04	-1.37E-04		COMB4	-0.4684	-0.4713	-0.0039	0.0010	-0.0005	0.0002
618	0.50	CORREAS	-2.15E-01	-5.53E-04	1.38E-04	618	COMB5	-1.4035	-1.4065	-0.0066	-0.0017	-0.0014	0.0007
	0.00	VIVA	-3.69E-01	-1.09E-03	-3.37E-04		COMB6	-0.5504	-0.5534	-0.0041	0.0008	-0.0006	0.0002
	0.50	VIVA	-3.69E-01	-1.09E-03	2.06E-04		COMB7	-1.4259	-1.6730	-0.0061	-0.0025	-0.0014	0.0009
	0.00	VIENTO	-5.33E-01	-1.57E-03	-4.87E-04		COMB8	-0.0396	-0.0418	-0.0020	0.0017	-0.0001	0.0000
	0.50	VIENTO	-5.33E-01	-1.57E-03	2.97E-04		COMB9	-0.9929	-0.9959	-0.0053	-0.0004	-0.0009	0.0007
	0.00	ESPECTRO	1.69E-01	6.26E-04	2.24E-04		COMB10	-0.5642	-0.5664	-0.0034	0.0003	-0.0005	0.0004
	0.50	ESPECTRO	1.69E-01	6.26E-04	8.77E-05								
	0.00	DEAD	-4.68E-01	-3.88E-03	-6.47E-04								
	0.50	DEAD	-4.71E-01	9.90E-05	2.95E-04		COMB1	-1.0648	-1.0684	-0.0073	-0.0018	-0.0014	0.0009
	0.00	COBERT	-8.72E-02	-3.38E-04	-9.92E-05		COMB2	-1.4710	-1.4741	-0.0085	-0.0037	-0.0018	0.0012
	0.50	COBERT	-8.72E-02	-3.38E-04	6.93E-05		COMB3	-1.7424	-1.7456	-0.0095	-0.0047	-0.0021	0.0014
	0.00	CORREAS	-2.05E-01	-1.02E-03	-2.56E-04		COMB4	-0.4318	-0.4349	-0.0044	0.0003	-0.0007	0.0004
619	0.50	CORREAS	-2.05E-01	-1.02E-03	2.55E-04	619	COMB5	-1.3159	-1.3190	-0.0079	-0.0031	-0.0017	0.0011
	0.00	VIVA	-3.49E-01	-1.35E-03	-3.97E-04		COMB6	-0.5094	-0.5125	-0.0047	0.0000	-0.0007	0.0004
	0.50	VIVA	-3.49E-01	-1.35E-03	2.77E-04		COMB7	-1.3398	-1.5711	-0.0073	-0.0041	-0.0016	0.0013
	0.00	VIENTO	-5.04E-01	-1.95E-03	-5.73E-04		COMB8	-0.0292	-0.0315	-0.0022	0.0014	-0.0002	0.0000
	0.50	VIENTO	-5.04E-01	-1.95E-03	4.00E-04		COMB9	-0.9319	-0.9350	-0.0063	-0.0015	-0.0012	0.0010
	0.00	ESPECTRO	1.55E-01	6.99E-04	2.37E-04		COMB10	-0.5293	-0.5316	-0.0040	-0.0004	-0.0007	0.0007
	0.50	ESPECTRO	1.55E-01	6.99E-04	1.12E-04								
	0.00	DEAD	-4.19E-01	-3.97E-03	-6.72E-04								
	0.50	DEAD	-4.22E-01	-8.61E-05	3.40E-04		COMB1	-0.9590	-0.9628	-0.0072	-0.0017	-0.0014	0.0009
	0.00	COBERT	-8.02E-02	-3.73E-04	-1.08E-04		COMB2	-1.3350	-1.3383	-0.0085	-0.0039	-0.0018	0.0012

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO AS-2 (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames

ELE.	Stat.	OutputCase	P	V2	M3
Text	m	Text	Ton	Ton	Ton-m
620	0.50	COBERT	-8.02E-02	-3.73E-04	7.81E-05
	0.00	CORREAS	-1.85E-01	-7.64E-04	-1.85E-04
	0.50	CORREAS	-1.85E-01	-7.64E-04	1.96E-04
	0.00	VIVA	-3.21E-01	-1.49E-03	-4.32E-04
	0.50	VIVA	-3.21E-01	-1.49E-03	3.12E-04
	0.00	VIENTO	-4.63E-01	-2.16E-03	-6.25E-04
	0.50	VIENTO	-4.63E-01	-2.16E-03	4.51E-04
	0.00	ESPECTRO	1.40E-01	7.44E-04	2.43E-04
	0.50	ESPECTRO	1.40E-01	7.44E-04	1.28E-04
621	0.00	DEAD	-3.61E-01	-4.57E-03	-7.47E-04
	0.50	DEAD	-3.64E-01	-7.85E-04	5.89E-04
	0.00	COBERT	-7.15E-02	-4.55E-04	-1.20E-04
	0.50	COBERT	-7.15E-02	-4.55E-04	1.07E-04
	0.00	CORREAS	-1.68E-01	-1.29E-03	-3.00E-04
	0.50	CORREAS	-1.68E-01	-1.29E-03	3.44E-04
	0.00	VIVA	-2.86E-01	-1.82E-03	-4.80E-04
	0.50	VIVA	-2.86E-01	-1.82E-03	4.28E-04
	0.00	VIENTO	-4.13E-01	-2.63E-03	-6.93E-04
	0.50	VIENTO	-4.13E-01	-2.63E-03	6.18E-04
	0.00	ESPECTRO	1.22E-01	9.43E-04	2.67E-04
	0.50	ESPECTRO	1.22E-01	9.43E-04	2.04E-04
622	0.00	DEAD	-2.98E-01	-2.73E-03	-2.59E-04
	0.50	DEAD	-3.01E-01	9.56E-04	1.83E-04
	0.00	COBERT	-6.23E-02	-2.22E-04	-5.95E-05
	0.50	COBERT	-6.23E-02	-2.22E-04	5.12E-05
	0.00	CORREAS	-1.44E-01	-5.70E-04	-9.89E-05
	0.50	CORREAS	-1.44E-01	-5.70E-04	1.85E-04
	0.00	VIVA	-2.49E-01	-8.88E-04	-2.38E-04
	0.50	VIVA	-2.49E-01	-8.88E-04	2.05E-04
	0.00	VIENTO	-3.60E-01	-1.28E-03	-3.44E-04
	0.50	VIENTO	-3.60E-01	-1.28E-03	2.96E-04
	0.00	ESPECTRO	1.03E-01	4.94E-04	1.37E-04
	0.50	ESPECTRO	1.03E-01	4.94E-04	1.10E-04
623	0.00	DEAD	-2.32E-01	-3.14E-03	-4.46E-04
	0.50	DEAD	-2.36E-01	4.37E-04	2.28E-04
	0.00	COBERT	-5.28E-02	-2.83E-04	-9.07E-05
	0.50	COBERT	-5.28E-02	-2.83E-04	5.03E-05
	0.00	CORREAS	-1.23E-01	-8.76E-04	-2.09E-04
	0.50	CORREAS	-1.23E-01	-8.76E-04	2.28E-04
	0.00	VIVA	-2.11E-01	-1.13E-03	-3.63E-04
	0.50	VIVA	-2.11E-01	-1.13E-03	2.01E-04
	0.00	VIENTO	-3.05E-01	-1.63E-03	-5.24E-04
	0.50	VIENTO	-3.05E-01	-1.63E-03	2.91E-04
	0.00	ESPECTRO	8.15E-02	7.28E-04	2.17E-04
	0.50	ESPECTRO	8.15E-02	7.28E-04	1.47E-04
624	0.00	DEAD	-1.68E-01	-2.73E-03	-3.31E-04
	0.50	DEAD	-1.71E-01	7.32E-04	1.69E-04
	0.00	COBERT	-4.43E-02	-2.09E-04	-7.34E-05
	0.50	COBERT	-4.43E-02	-2.09E-04	3.09E-05
	0.00	CORREAS	-9.65E-02	-7.17E-04	-1.59E-04
	0.50	CORREAS	-9.65E-02	-7.17E-04	1.98E-04
	0.00	VIVA	-1.77E-01	-8.37E-04	-2.94E-04
	0.50	VIVA	-1.77E-01	-8.37E-04	1.24E-04
	0.00	VIENTO	-2.56E-01	-1.21E-03	-4.24E-04
	0.50	VIENTO	-2.56E-01	-1.21E-03	1.79E-04
	0.00	ESPECTRO	5.94E-02	6.99E-04	1.96E-04
	0.50	ESPECTRO	5.94E-02	6.99E-04	1.53E-04
625	0.00	DEAD	-1.06E-01	-2.42E-03	-2.61E-04
	0.50	DEAD	-1.09E-01	9.30E-04	1.11E-04
	0.00	COBERT	-3.78E-02	-1.45E-04	-6.01E-05
	0.50	COBERT	-3.78E-02	-1.45E-04	1.20E-05
	0.00	CORREAS	-7.58E-02	-7.30E-04	-1.66E-04
	0.50	CORREAS	-7.58E-02	-7.30E-04	1.98E-04
	0.00	VIVA	-1.51E-01	-5.79E-04	-2.40E-04
	0.50	VIVA	-1.51E-01	-5.79E-04	4.81E-05
	0.00	VIENTO	-2.18E-01	-8.36E-04	-3.47E-04
	0.50	VIENTO	-2.18E-01	-8.36E-04	6.95E-05
	0.00	ESPECTRO	3.62E-02	7.11E-04	1.92E-04
	0.50	ESPECTRO	3.62E-02	7.11E-04	1.63E-04
626	0.00	DEAD	-4.94E-02	-2.01E-03	-1.66E-04
	0.50	DEAD	-5.29E-02	1.22E-03	3.26E-05
	0.00	COBERT	-3.38E-02	-5.73E-05	-4.09E-05
	0.50	COBERT	-3.38E-02	-5.73E-05	-1.23E-05
	0.00	CORREAS	-5.21E-02	-5.82E-04	-1.26E-04
	0.50	CORREAS	-5.21E-02	-5.82E-04	1.64E-04
	0.00	VIVA	-1.35E-01	-2.29E-04	-1.64E-04
	0.50	VIVA	-1.35E-01	-2.29E-04	-4.94E-05
	0.00	VIENTO	-1.96E-01	-3.31E-04	-2.36E-04

ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
620	COMB3	-1.5845	-1.5878	-0.0097	-0.0050	-0.0022	0.0015
	COMB4	-0.3802	-0.3834	-0.0041	0.0006	-0.0006	0.0003
	COMB5	-1.1926	-1.1959	-0.0079	-0.0032	-0.0017	0.0011
	COMB6	-0.4515	-0.4547	-0.0044	0.0003	-0.0007	0.0004
	COMB7	-1.2187	-1.4275	-0.0074	-0.0043	-0.0017	0.0013
	COMB8	-0.0143	-0.0168	-0.0018	0.0017	-0.0001	0.0000
	COMB9	-0.8428	-0.8461	-0.0061	-0.0015	-0.0011	0.0010
	COMB10	-0.4770	-0.4794	-0.0039	-0.0004	-0.0006	0.0007
621							
	COMB1	-0.8420	-0.8460	-0.0088	-0.0035	-0.0016	0.0015
	COMB2	-1.1796	-1.1831	-0.0105	-0.0060	-0.0022	0.0019
	COMB3	-1.4023	-1.4057	-0.0119	-0.0074	-0.0025	0.0023
	COMB4	-0.3273	-0.3308	-0.0051	-0.0005	-0.0007	0.0007
	COMB5	-1.0525	-1.0559	-0.0097	-0.0051	-0.0020	0.0017
	COMB6	-0.3910	-0.3944	-0.0055	-0.0009	-0.0008	0.0008
	COMB7	-1.0788	-1.2626	-0.0091	-0.0065	-0.0020	0.0021
	COMB8	-0.0038	-0.0064	-0.0023	0.0011	-0.0001	0.0001
	COMB9	-0.7431	-0.7465	-0.0075	-0.0030	-0.0014	0.0017
	COMB10	-0.4196	-0.4221	-0.0047	-0.0013	-0.0008	0.0011
622							
	COMB1	-0.7066	-0.7108	-0.0049	0.0002	-0.0006	0.0006
	COMB2	-1.0043	-1.0079	-0.0056	-0.0012	-0.0009	0.0008
	COMB3	-1.1981	-1.2017	-0.0063	-0.0019	-0.0011	0.0010
	COMB4	-0.2623	-0.2659	-0.0030	0.0014	-0.0002	0.0002
	COMB5	-0.8936	-0.8972	-0.0053	-0.0008	-0.0008	0.0007
	COMB6	-0.3177	-0.3213	-0.0032	0.0012	-0.0002	0.0003
	COMB7	-0.9221	-1.0771	-0.0048	-0.0015	-0.0008	0.0009
	COMB8	0.0136	0.0110	-0.0015	0.0018	0.0001	0.0000
	COMB9	-0.6277	-0.6313	-0.0042	0.0002	-0.0005	0.0007
	COMB10	-0.3517	-0.3544	-0.0027	0.0006	-0.0002	0.0005
623							
	COMB1	-0.5714	-0.5757	-0.0060	-0.0010	-0.0010	0.0007
	COMB2	-0.8276	-0.8314	-0.0070	-0.0027	-0.0015	0.0009
	COMB3	-0.9920	-0.9957	-0.0078	-0.0036	-0.0018	0.0011
	COMB4	-0.1987	-0.2024	-0.0036	0.0007	-0.0004	0.0003
	COMB5	-0.7338	-0.7376	-0.0065	-0.0022	-0.0013	0.0008
	COMB6	-0.2457	-0.2494	-0.0039	0.0004	-0.0005	0.0004
	COMB7	-0.7639	-0.8901	-0.0060	-0.0030	-0.0014	0.0010
	COMB8	0.0293	0.0265	-0.0017	0.0015	0.0000	0.0001
	COMB9	-0.5138	-0.5176	-0.0050	-0.0007	-0.0009	0.0009
	COMB10	-0.2858	-0.2886	-0.0031	0.0001	-0.0005	0.0006
624							
	COMB1	-0.4318	-0.4363	-0.0051	-0.0003	-0.0008	0.0006
	COMB2	-0.6538	-0.6577	-0.0057	-0.0016	-0.0011	0.0007
	COMB3	-0.7918	-0.7957	-0.0064	-0.0022	-0.0014	0.0008
	COMB4	-0.1257	-0.1296	-0.0032	0.0009	-0.0003	0.0003
	COMB5	-0.5751	-0.5789	-0.0054	-0.0012	-0.0010	0.0006
	COMB6	-0.1651	-0.1690	-0.0034	0.0007	-0.0003	0.0003
	COMB7	-0.6106	-0.7070	-0.0049	-0.0018	-0.0011	0.0007
	COMB8	0.0555	0.0526	-0.0017	0.0014	0.0000	0.0001
	COMB9	-0.3994	-0.4033	-0.0041	0.0000	-0.0006	0.0007
	COMB10	-0.2182	-0.2211	-0.0026	0.0005	-0.0003	0.0005
625							
	COMB1	-0.3071	-0.3118	-0.0046	0.0001	-0.0007	0.0004
	COMB2	-0.5050	-0.5091	-0.0049	-0.0009	-0.0010	0.0005
	COMB3	-0.6226	-0.6266	-0.0053	-0.0013	-0.0012	0.0005
	COMB4	-0.0550	-0.0590	-0.0032	0.0009	-0.0003	0.0003
	COMB5	-0.4379	-0.4419	-0.0046	-0.0006	-0.0009	0.0004
	COMB6	-0.0886	-0.0926	-0.0033	0.0007	-0.0003	0.0003
	COMB7	-0.4812	-0.5511	-0.0041	-0.0010	-0.0009	0.0005
	COMB8	0.0864	0.0834	-0.0019	0.0011	0.0000	0.0002
	COMB9	-0.3025	-0.3066	-0.0035	0.0005	-0.0005	0.0006
	COMB10	-0.1612	-0.1642	-0.0023	0.0008	-0.0002	0.0005
626							
	COMB1	-0.1895	-0.1944	-0.0037	0.0008	-0.0005	0.0003
	COMB2	-0.3791	-0.3832	-0.0036	0.0003	-0.0007	0.0001
	COMB3	-0.4844	-0.4886	-0.0037	0.0001	-0.0008	0.0001
	COMB4	0.0242	0.0200	-0.0029	0.0010	-0.0002	0.0003
	COMB5	-0.3189	-0.3231	-0.0034	0.0004	-0.0006	0.0002
	COMB6	-0.0059	-0.0101	-0.0029	0.0010	-0.0002	0.0003
	COMB7	-0.3761	-0.4209	-0.0028	0.0003	-0.0006	0.0001
	COMB8	0.1325	0.1293	-0.0020	0.0010	0.0000	0.0003

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO AS-2 (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames

ELE.	Stat.	OutputCase	P	V2	M3	ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
Text	m	Text	Ton	Ton	Ton-m								
	0.50	VIENTO	-1.96E-01	-3.31E-04	-7.13E-05		COMB9	-0.2175	-0.2217	-0.0026	0.0013	-0.0003	0.0004
	0.00	ESPECTRO	1.26E-02	7.16E-04	1.83E-04		COMB10	-0.1092	-0.1123	-0.0017	0.0012	-0.0001	0.0003
	0.50	ESPECTRO	1.26E-02	7.16E-04	1.74E-04								
	0.00	DEAD	-6.53E-04	-1.68E-03	-7.85E-05								
	0.50	DEAD	-4.24E-03	1.43E-03	-1.62E-05		COMB1	-0.0965	-0.1016	-0.0030	0.0013	-0.0003	0.0001
	0.00	COBERT	-3.27E-02	3.76E-05	-2.22E-05		COMB2	-0.2920	-0.2963	-0.0023	0.0014	-0.0004	-0.0002
	0.50	COBERT	-3.27E-02	3.76E-05	-4.09E-05		COMB3	-0.3938	-0.3981	-0.0022	0.0015	-0.0005	-0.0003
	0.00	CORREAS	-3.56E-02	-5.14E-04	-1.14E-04		COMB4	0.0975	0.0932	-0.0028	0.0009	-0.0001	0.0003
627	0.50	CORREAS	-3.56E-02	-5.14E-04	1.42E-04	627	COMB5	-0.2339	-0.2382	-0.0024	0.0013	-0.0004	-0.0001
	0.00	VIVA	-1.31E-01	1.50E-04	-8.88E-05		COMB6	0.0684	0.0641	-0.0028	0.0010	-0.0002	0.0003
	0.50	VIVA	-1.31E-01	1.50E-04	-1.64E-04		COMB7	-0.3077	-0.3327	-0.0017	0.0014	-0.0004	-0.0002
	0.00	VIENTO	-1.89E-01	2.17E-04	-1.28E-04		COMB8	0.1836	0.1804	-0.0022	0.0006	0.0000	0.0004
	0.50	VIENTO	-1.89E-01	2.17E-04	-2.37E-04		COMB9	-0.1359	-0.1402	-0.0018	0.0019	-0.0001	0.0002
	0.00	ESPECTRO	1.23E-02	6.65E-04	1.67E-04		COMB10	-0.0498	-0.0530	-0.0013	0.0015	0.0000	0.0002
	0.50	ESPECTRO	1.23E-02	6.65E-04	1.64E-04								
	0.00	DEAD	3.84E-02	-3.48E-04	1.40E-04								
	0.50	DEAD	3.47E-02	2.63E-03	-4.30E-04		COMB1	-0.0200	-0.0252	-0.0008	0.0034	0.0001	-0.0006
	0.00	COBERT	-3.46E-02	2.32E-04	5.34E-06		COMB2	-0.2387	-0.2431	0.0008	0.0044	0.0001	-0.0012
	0.50	COBERT	-3.46E-02	2.32E-04	-1.10E-04		COMB3	-0.3464	-0.3509	0.0015	0.0051	0.0001	-0.0015
	0.00	CORREAS	-1.81E-02	-4.40E-04	-8.01E-05		COMB4	0.1736	0.1692	-0.0019	0.0016	0.0000	0.0001
628	0.50	CORREAS	-1.81E-02	-4.40E-04	1.39E-04	628	COMB5	-0.1772	-0.1816	0.0004	0.0040	0.0001	-0.0010
	0.00	VIVA	-1.38E-01	9.29E-04	2.14E-05		COMB6	0.1428	0.1384	-0.0017	0.0018	0.0001	0.0000
	0.50	VIVA	-1.38E-01	9.29E-04	-4.42E-04		COMB7	-0.2729	-0.2816	0.0012	0.0047	0.0001	-0.0013
	0.00	VIENTO	-2.00E-01	1.34E-03	3.09E-05		COMB8	0.2472	0.2438	-0.0022	0.0004	0.0000	0.0005
	0.50	VIENTO	-2.00E-01	1.34E-03	-6.38E-04		COMB9	-0.0499	-0.0544	0.0007	0.0042	0.0003	-0.0005
	0.00	ESPECTRO	3.65E-02	8.58E-04	1.78E-04		COMB10	0.0236	0.0203	0.0004	0.0030	0.0002	-0.0001
	0.50	ESPECTRO	3.65E-02	8.58E-04	2.50E-04								
	0.00	DEAD	-1.70E-01	1.49E-03	7.35E-04								
	0.50	DEAD	-1.70E-01	6.23E-03	-1.19E-03		COMB1	-0.3807	-0.3811	0.0062	0.0129	0.0020	-0.0027
	0.00	COBERT	-4.01E-02	1.21E-03	2.78E-04		COMB2	-0.5828	-0.5831	0.0131	0.0187	0.0035	-0.0044
	0.50	COBERT	-4.01E-02	1.21E-03	-3.23E-04		COMB3	-0.7076	-0.7079	0.0168	0.0225	0.0044	-0.0054
	0.00	CORREAS	-6.20E-02	1.75E-03	4.39E-04		COMB4	-0.1054	-0.1057	-0.0013	0.0044	0.0002	-0.0006
2099	0.50	CORREAS	-6.20E-02	1.75E-03	-4.34E-04	2099	COMB5	-0.5116	-0.5119	0.0109	0.0166	0.0030	-0.0038
	0.00	VIVA	-1.60E-01	4.83E-03	1.11E-03		COMB6	-0.1410	-0.1413	-0.0002	0.0054	0.0005	-0.0008
	0.50	VIVA	-1.60E-01	4.83E-03	-1.29E-03		COMB7	-0.5458	-0.6277	0.0131	0.0201	0.0034	-0.0048
	0.00	VIENTO	-2.32E-01	6.97E-03	1.61E-03		COMB8	0.0564	0.0561	-0.0051	-0.0008	-0.0008	0.0007
	0.50	VIENTO	-2.32E-01	6.97E-03	-1.87E-03		COMB9	-0.3733	-0.3736	0.0087	0.0143	0.0025	-0.0028
	0.00	ESPECTRO	3.32E-02	9.02E-04	2.25E-04		COMB10	-0.2115	-0.2118	0.0049	0.0092	0.0015	-0.0015
	0.50	ESPECTRO	3.32E-02	9.02E-04	2.26E-04								
	0.00	DEAD	-3.54E-01	1.23E-03	5.38E-04								
	0.50	DEAD	-3.54E-01	5.96E-03	-1.25E-03		COMB1	-0.8139	-0.8144	0.0058	0.0124	0.0015	-0.0030
	0.00	COBERT	-8.71E-02	1.25E-03	2.05E-04		COMB2	-1.2553	-1.2558	0.0129	0.0186	0.0026	-0.0052
	0.50	COBERT	-8.71E-02	1.25E-03	-4.16E-04		COMB3	-1.5265	-1.5270	0.0168	0.0225	0.0033	-0.0065
	0.00	CORREAS	-1.41E-01	1.67E-03	3.60E-04		COMB4	-0.2173	-0.2178	-0.0019	0.0038	0.0002	-0.0003
2100	0.50	CORREAS	-1.41E-01	1.67E-03	-4.71E-04	2100	COMB5	-1.1004	-1.1009	0.0107	0.0164	0.0023	-0.0045
	0.00	VIVA	-3.49E-01	4.98E-03	8.18E-04		COMB6	-0.2948	-0.2953	-0.0008	0.0049	0.0004	-0.0006
	0.50	VIVA	-3.49E-01	4.98E-03	-1.67E-03		COMB7	-1.1778	-1.3527	0.0131	0.0200	0.0025	-0.0057
	0.00	VIENTO	-5.04E-01	7.20E-03	1.18E-03		COMB8	0.1314	0.1310	-0.0056	-0.0014	-0.0005	0.0012
	0.50	VIENTO	-5.04E-01	7.20E-03	-2.41E-03		COMB9	-0.8078	-0.8083	0.0081	0.0138	0.0019	-0.0032
	0.00	ESPECTRO	6.41E-02	6.45E-04	1.19E-04		COMB10	-0.4591	-0.4595	0.0044	0.0086	0.0011	-0.0017
	0.50	ESPECTRO	6.41E-02	6.45E-04	2.07E-04								
	0.00	DEAD	-5.40E-01	9.73E-04	4.17E-04								
	0.50	DEAD	-5.40E-01	5.68E-03	-1.24E-03		COMB1	-1.2527	-1.2535	0.0052	0.0118	0.0012	-0.0030
	0.00	COBERT	-1.42E-01	1.19E-03	1.59E-04		COMB2	-1.9809	-1.9816	0.0121	0.0178	0.0021	-0.0054
	0.50	COBERT	-1.42E-01	1.19E-03	-4.36E-04		COMB3	-2.4220	-2.4227	0.0158	0.0215	0.0026	-0.0067
	0.00	CORREAS	-2.13E-01	1.57E-03	3.16E-04		COMB4	-0.2924	-0.2931	-0.0021	0.0036	0.0002	-0.0002
2101	0.50	CORREAS	-2.13E-01	1.57E-03	-4.68E-04	2101	COMB5	-1.7290	-1.7297	0.0100	0.0157	0.0018	-0.0046
	0.00	VIVA	-5.67E-01	4.78E-03	6.37E-04		COMB6	-0.4184	-0.4191	-0.0010	0.0046	0.0003	-0.0006
	0.50	VIVA	-5.67E-01	4.78E-03	-1.74E-03		COMB7	-1.8701	-2.1392	0.0123	0.0191	0.0020	-0.0059
	0.00	VIENTO	-8.19E-01	6.90E-03	9.20E-04		COMB8	0.2595	0.2590	-0.0056	-0.0014	-0.0004	0.0013
	0.50	VIENTO	-8.19E-01	6.90E-03	-2.52E-03		COMB9	-1.2633	-1.2640	0.0075	0.0131	0.0015	-0.0032
	0.00	ESPECTRO	9.39E-02	5.96E-04	9.66E-05		COMB10	-0.7114	-0.7119	0.0040	0.0082	0.0009	-0.0017
	0.50	ESPECTRO	9.39E-02	5.96E-04	2.03E-04								
	0.00	DEAD	-7.24E-01	1.80E-03	4.20E-04								
	0.50	DEAD	-7.25E-01	6.49E-03	-1.65E-03		COMB1	-1.7110	-1.7120	0.0074	0.0140	0.0013	-0.0040
	0.00	COBERT	-2.02E-01	1.56E-03	1.90E-04		COMB2	-2.7600	-2.7609	0.0163	0.0219	0.0023	-0.0072
	0.50	COBERT	-2.02E-01	1.56E-03	-5.86E-04		COMB3	-3.3890	-3.3899	0.0212	0.0268	0.0029	-0.0090
	0.00	CORREAS	-2.96E-01	1.93E-03	3.20E-04		COMB4	-0.3525	-0.3534	-0.0022	0.0034	0.0001	-0.0002
2102	0.50	CORREAS	-2.96E-01	1.93E-03	-6.44E-04	2102	COMB5	-2.4009	-2.4018	0.0135	0.0192	0.0020	-0.0062
	0.00	VIVA	-8.08E-01	6.23E-03	7.59E-04		COMB6	-0.5322	-0.5331	-0.0008	0.0048	0.0002	-0.0007
	0.50	VIVA	-8.08E-01	6.23E-03	-2.34E-03		COMB7	-2.6182	-2.9857	0.0165	0.0237	0.0023	-0.0079
	0.00	VIENTO	-1.17E+00	8.99E-03	1.10E-03		COMB8	0.4183	0.4177	-0.0069	-0.0027	-0.0006	0.0018
	0.50	VIENTO	-1.17E+00	8.99E-03	-3.39E-03		COMB9	-1.7485	-1.7493	0.0101	0.0158	0.0016	-0.0044
	0.00	ESPECTRO	1.22E-01	6.83E-04	8.83E-05		COMB10	-0.9776	-0.9783	0.0054	0.0097	0.0009	-0.0023
	0.50	ESPECTRO	1.22E-01	6.83E-04	2.57E-04								
	0.00	DEAD	-9.05E-01	-1.50E-04	-7.38E-05								
	0.50	DEAD	-9.06E-01	4.51E-03	-1.16E-03		COMB1	-2.1542	-2.1554	0.0028	0.0093	0.0002	-0.0029
	0.00	COBERT	-2.64E-01	9.92E-04	6.20E-05		COMB2	-3.5353	-3.5364	0.0087	0.0143	0.0005	-0.0052

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO AS-2 (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames

ELE.	Stat.	OutputCase	P	V2	M3	ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
Text	m	Text	Ton	Ton	Ton-m								
2103	0.50	COBERT	-2.64E-01	9.92E-04	-4.32E-04	2103	COMB3	-4.3566	-4.3577	0.0118	0.0174	0.0007	-0.0066
	0.00	CORREAS	-3.70E-01	1.16E-03	1.20E-04		COMB4	-0.3918	-0.3929	-0.0031	0.0025	-0.0002	-0.0001
	0.50	CORREAS	-3.70E-01	1.16E-03	-4.56E-04		COMB5	-3.0664	-3.0675	0.0070	0.0126	0.0004	-0.0045
	0.00	VIVA	-1.06E+00	3.97E-03	2.48E-04		COMB6	-0.6265	-0.6275	-0.0022	0.0034	-0.0002	-0.0005
	0.50	VIVA	-1.06E+00	3.97E-03	-1.73E-03		COMB7	-3.3673	-3.8300	0.0092	0.0154	0.0006	-0.0057
	0.00	VIENTO	-1.52E+00	5.73E-03	3.58E-04		COMB8	0.5976	0.5968	-0.0057	-0.0015	-0.0004	0.0014
	0.50	VIENTO	-1.52E+00	5.73E-03	-2.50E-03		COMB9	-2.2250	-2.2261	0.0048	0.0103	0.0003	-0.0031
	0.00	ESPECTRO	1.49E-01	3.69E-04	3.04E-05		COMB10	-1.2356	-1.2364	0.0022	0.0064	0.0001	-0.0017
	0.50	ESPECTRO	1.49E-01	3.69E-04	1.80E-04								
2104	0.00	DEAD	-1.08E+00	1.16E-04	-1.19E-05	2104							
	0.50	DEAD	-1.08E+00	4.74E-03	-1.22E-03		COMB1	-2.5967	-2.5982	0.0032	0.0097	0.0002	-0.0030
	0.00	COBERT	-3.25E-01	1.09E-03	8.23E-05		COMB2	-4.3039	-4.3052	0.0097	0.0153	0.0007	-0.0055
	0.50	COBERT	-3.25E-01	1.09E-03	-4.59E-04		COMB3	-5.3145	-5.3158	0.0131	0.0186	0.0010	-0.0069
	0.00	CORREAS	-4.50E-01	1.11E-03	1.04E-04		COMB4	-0.4358	-0.4371	-0.0032	0.0023	-0.0002	0.0000
	0.50	CORREAS	-4.50E-01	1.11E-03	-4.50E-04		COMB5	-3.7269	-3.7282	0.0078	0.0133	0.0006	-0.0047
	0.00	VIVA	-1.30E+00	4.34E-03	3.29E-04		COMB6	-0.7246	-0.7259	-0.0022	0.0033	-0.0002	-0.0004
	0.50	VIVA	-1.30E+00	4.34E-03	-1.84E-03		COMB7	-4.1087	-4.6664	0.0102	0.0165	0.0008	-0.0060
	0.00	VIENTO	-1.88E+00	6.27E-03	4.75E-04		COMB8	0.7700	0.7691	-0.0061	-0.0019	-0.0005	0.0015
	0.50	VIENTO	-1.88E+00	6.27E-03	-2.65E-03		COMB9	-2.7010	-2.7023	0.0053	0.0109	0.0004	-0.0033
	0.00	ESPECTRO	1.74E-01	3.78E-04	3.71E-05		COMB10	-1.4952	-1.4961	0.0025	0.0066	0.0002	-0.0017
	0.50	ESPECTRO	1.74E-01	3.78E-04	1.84E-04								
2105	0.00	DEAD	-1.25E+00	-2.07E-04	-1.58E-04	2105							
	0.50	DEAD	-1.25E+00	4.38E-03	-1.20E-03		COMB1	-3.0103	-3.0120	0.0026	0.0090	-0.0001	-0.0030
	0.00	COBERT	-3.84E-01	9.81E-04	3.34E-05		COMB2	-5.0397	-5.0412	0.0085	0.0140	0.0002	-0.0055
	0.50	COBERT	-3.84E-01	9.81E-04	-4.56E-04		COMB3	-6.2358	-6.2372	0.0116	0.0171	0.0003	-0.0069
	0.00	CORREAS	-5.19E-01	1.08E-03	7.44E-05		COMB4	-0.4619	-0.4634	-0.0032	0.0023	-0.0002	0.0000
	0.50	CORREAS	-5.19E-01	1.08E-03	-4.66E-04		COMB5	-4.3568	-4.3583	0.0068	0.0123	0.0001	-0.0046
	0.00	VIVA	-1.54E+00	3.92E-03	1.34E-04		COMB6	-0.8037	-0.8051	-0.0023	0.0032	-0.0002	-0.0004
	0.50	VIVA	-1.54E+00	3.92E-03	-1.82E-03		COMB7	-4.8221	-5.4686	0.0090	0.0151	0.0002	-0.0060
	0.00	VIENTO	-2.22E+00	5.67E-03	1.93E-04		COMB8	0.9517	0.9506	-0.0057	-0.0016	-0.0003	0.0015
	0.50	VIENTO	-2.22E+00	5.67E-03	-2.63E-03		COMB9	-3.1519	-3.1533	0.0045	0.0100	0.0001	-0.0033
	0.00	ESPECTRO	1.97E-01	3.09E-04	4.78E-05		COMB10	-1.7382	-1.7393	0.0020	0.0061	0.0000	-0.0017
	0.50	ESPECTRO	1.97E-01	3.09E-04	1.75E-04								
2106	0.00	DEAD	-1.40E+00	-5.13E-04	-2.87E-04	2106							
	0.50	DEAD	-1.40E+00	4.03E-03	-1.16E-03		COMB1	-3.4101	-3.4121	0.0016	0.0079	-0.0005	-0.0028
	0.00	COBERT	-4.42E-01	8.52E-04	-1.34E-05		COMB2	-5.7516	-5.7533	0.0068	0.0122	-0.0005	-0.0052
	0.50	COBERT	-4.42E-01	8.52E-04	-4.38E-04		COMB3	-7.1272	-7.1289	0.0095	0.0149	-0.0005	-0.0066
	0.00	CORREAS	-5.91E-01	7.82E-04	-2.73E-05		COMB4	-0.4867	-0.4883	-0.0034	0.0021	-0.0003	0.0000
	0.50	CORREAS	-5.91E-01	7.82E-04	-4.17E-04		COMB5	-4.9662	-4.9679	0.0053	0.0107	-0.0005	-0.0044
	0.00	VIVA	-1.77E+00	3.41E-03	-5.37E-05		COMB6	-0.8797	-0.8814	-0.0026	0.0029	-0.0003	-0.0004
	0.50	VIVA	-1.77E+00	3.41E-03	-1.75E-03		COMB7	-5.5125	-6.2449	0.0074	0.0132	-0.0004	-0.0057
	0.00	VIENTO	-2.55E+00	4.93E-03	-7.76E-05		COMB8	1.1280	1.1268	-0.0054	-0.0013	-0.0002	0.0015
	0.50	VIENTO	-2.55E+00	4.93E-03	-2.53E-03		COMB9	-3.5894	-3.5911	0.0033	0.0087	-0.0004	-0.0031
	0.00	ESPECTRO	2.18E-01	2.43E-04	6.48E-05		COMB10	-1.9747	-1.9759	0.0013	0.0053	-0.0002	-0.0017
	0.50	ESPECTRO	2.18E-01	2.43E-04	1.67E-04								
2107	0.00	DEAD	-1.54E+00	-8.54E-04	-4.20E-04	2107							
	0.50	DEAD	-1.55E+00	3.63E-03	-1.11E-03		COMB1	-3.7687	-3.7709	0.0008	0.0071	-0.0007	-0.0027
	0.00	COBERT	-4.96E-01	7.11E-04	-5.99E-05		COMB2	-6.4070	-6.4089	0.0053	0.0106	-0.0010	-0.0050
	0.50	COBERT	-4.96E-01	7.11E-04	-4.15E-04		COMB3	-7.9518	-7.9536	0.0075	0.0129	-0.0012	-0.0063
	0.00	CORREAS	-6.51E-01	7.30E-04	-5.57E-05		COMB4	-0.4943	-0.4962	-0.0032	0.0022	-0.0003	-0.0001
	0.50	CORREAS	-6.51E-01	7.30E-04	-4.19E-04		COMB5	-5.5250	-5.5268	0.0040	0.0094	-0.0009	-0.0043
	0.00	VIVA	-1.99E+00	2.85E-03	-2.40E-04		COMB6	-0.9357	-0.9376	-0.0026	0.0028	-0.0004	-0.0004
	0.50	VIVA	-1.99E+00	2.85E-03	-1.66E-03		COMB7	-6.1515	-6.9609	0.0059	0.0114	-0.0009	-0.0055
	0.00	VIENTO	-2.87E+00	4.11E-03	-3.46E-04		COMB8	1.3060	1.3046	-0.0048	-0.0008	0.0000	0.0014
	0.50	VIENTO	-2.87E+00	4.11E-03	-2.40E-03		COMB9	-3.9873	-3.9892	0.0023	0.0077	-0.0007	-0.0030
	0.00	ESPECTRO	2.36E-01	1.77E-04	8.45E-05		COMB10	-2.1870	-2.1884	0.0007	0.0047	-0.0004	-0.0016
	0.50	ESPECTRO	2.36E-01	1.77E-04	1.56E-04								
2108	0.00	DEAD	-1.67E+00	-1.18E-03	-5.48E-04	2108							
	0.50	DEAD	-1.67E+00	3.25E-03	-1.07E-03		COMB1	-4.1005	-4.1028	-0.0003	0.0059	-0.0011	-0.0025
	0.00	COBERT	-5.46E-01	5.62E-04	-1.10E-04		COMB2	-7.0081	-7.0101	0.0034	0.0087	-0.0017	-0.0047
	0.50	COBERT	-5.46E-01	5.62E-04	-3.90E-04		COMB3	-8.7069	-8.7089	0.0051	0.0104	-0.0020	-0.0059
	0.00	CORREAS	-7.11E-01	4.20E-04	-1.56E-04		COMB4	-0.5058	-0.5079	-0.0033	0.0020	-0.0004	0.0000
	0.50	CORREAS	-7.11E-01	4.20E-04	-3.65E-04		COMB5	-6.0381	-6.0401	0.0024	0.0077	-0.0015	-0.0040
	0.00	VIVA	-2.18E+00	2.25E-03	-4.41E-04		COMB6	-0.9913	-0.9933	-0.0028	0.0025	-0.0005	-0.0004
	0.50	VIVA	-2.18E+00	2.25E-03	-1.56E-03		COMB7	-6.7365	-7.6173	0.0040	0.0093	-0.0016	-0.0051
	0.00	VIENTO	-3.15E+00	3.25E-03	-6.37E-04		COMB8	1.4645	1.4630	-0.0044	-0.0004	0.0001	0.0013
	0.50	VIENTO	-3.15E+00	3.25E-03	-2.26E-03		COMB9	-4.3549	-4.3570	0.0010	0.0063	-0.0011	-0.0028
	0.00	ESPECTRO	2.51E-01	1.10E-04	1.03E-04		COMB10	-2.3846	-2.3861	-0.0001	0.0039	-0.0006	-0.0015
	0.50	ESPECTRO	2.51E-01	1.10E-04	1.46E-04								
2109	0.00	DEAD	-1.78E+00	-1.98E-03	-7.33E-04	2109							
	0.50	DEAD	-1.78E+00	2.39E-03	-8.33E-04		COMB1	-4.3798	-4.3824	-0.0023	0.0038	-0.0016	-0.0020
	0.00	COBERT	-5.89E-01	2.03E-04	-1.87E-04		COMB2	-7.5253	-7.5275	-0.0007	0.0046	-0.0026	-0.0035
	0.50	COBERT	-5.89E-01	2.03E-04	-2.89E-04		COMB3	-9.3592	-9.3614	0.0000	0.0052	-0.0031	-0.0044
	0.00	CORREAS	-7.56E-01	1.49E-04	-2.11E-04		COMB4	-0.5060	-0.5082	-0.0031	0.0022	-0.0003	-0.0001
	0.50	CORREAS	-7.56E-01	1.49E-04	-2.86E-04		COMB5	-6.4781	-6.4804	-0.0010	0.0042	-0.0022	-0.0030
	0.00	VIVA	-2.36E+00	8.13E-04	-7.50E-04		COMB6	-1.0300	-1.0323	-0.0029	0.0023	-0.0005	-0.0004
	0.50	VIVA	-2.36E+00	8.13E-04	-1.15E-03		COMB7	-7.2422	-8.1829	0.0001	0.0048	-0.0024	-0.0039
	0.00	VIENTO	-3.41E+00	1.17E-03	-1.08E-03		COMB8	1.6110	1.6093	-0.0030	0.0009	0.0004	0.0009

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO AS-2 (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames

ELE.	Stat.	OutputCase	P	V2	M3	ELE.	COMB	Pu_1	Pu_2	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1	Mu_2
Text	m	Text	Ton	Ton	Ton-m			(Ton)	(Ton)			(Ton.m)	(Ton.m)
	0.50	VIENTO	-3.41E+00	1.17E-03	-1.67E-03		COMB9	-4.6680	-4.6702	-0.0015	0.0037	-0.0016	-0.0022
	0.00	ESPECTRO	2.65E-01	3.29E-05	1.29E-04		COMB10	-2.5510	-2.5526	-0.0014	0.0025	-0.0009	-0.0012
	0.50	ESPECTRO	2.65E-01	3.29E-05	1.15E-04								
	0.00	DEAD	-1.88E+00	-6.05E-04	-4.23E-04								
	0.50	DEAD	-1.88E+00	3.70E-03	-1.19E-03		COMB1	-4.6268	-4.6296	0.0010	0.0070	-0.0008	-0.0028
	0.00	COBERT	-6.27E-01	7.93E-04	-4.81E-05		COMB2	-7.9769	-7.9793	0.0059	0.0111	-0.0010	-0.0053
	0.50	COBERT	-6.27E-01	7.93E-04	-4.43E-04		COMB3	-9.9275	-9.9299	0.0084	0.0135	-0.0012	-0.0066
	0.00	CORREAS	-8.02E-01	5.14E-04	-1.25E-04		COMB4	-0.5111	-0.5135	-0.0035	0.0016	-0.0005	0.0000
2110	0.50	CORREAS	-8.02E-01	5.14E-04	-3.81E-04	2110	COMB5	-6.8632	-6.8656	0.0045	0.0097	-0.0009	-0.0045
	0.00	VIVA	-2.51E+00	3.17E-03	-1.92E-04		COMB6	-1.0685	-1.0709	-0.0028	0.0023	-0.0005	-0.0004
	0.50	VIVA	-2.51E+00	3.17E-03	-1.77E-03		COMB7	-7.6825	-8.6764	0.0066	0.0120	-0.0009	-0.0058
	0.00	VIENTO	-3.62E+00	4.58E-03	-2.78E-04		COMB8	1.7338	1.7320	-0.0053	-0.0015	-0.0002	0.0015
	0.50	VIENTO	-3.62E+00	4.58E-03	-2.56E-03		COMB9	-4.9440	-4.9464	0.0025	0.0077	-0.0007	-0.0032
	0.00	ESPECTRO	2.75E-01	1.22E-04	9.68E-05		COMB10	-2.6991	-2.7009	0.0008	0.0046	-0.0004	-0.0017
	0.50	ESPECTRO	2.75E-01	1.22E-04	1.55E-04								
	0.00	DEAD	-1.95E+00	-1.93E-03	-8.64E-04								
	0.50	DEAD	-1.95E+00	2.29E-03	-9.53E-04		COMB1	-4.8084	-4.8115	-0.0020	0.0039	-0.0019	-0.0023
	0.00	COBERT	-6.57E-01	2.81E-04	-2.22E-04		COMB2	-8.3250	-8.3276	0.0001	0.0052	-0.0030	-0.0043
	0.50	COBERT	-6.57E-01	2.81E-04	-3.62E-04		COMB3	-10.3691	-10.3717	0.0010	0.0060	-0.0037	-0.0055
	0.00	CORREAS	-8.31E-01	2.32E-04	-2.46E-04		COMB4	-0.5011	-0.5037	-0.0033	0.0018	-0.0004	0.0000
2111	0.50	CORREAS	-8.31E-01	2.32E-04	-3.62E-04	2111	COMB5	-7.1578	-7.1604	-0.0004	0.0047	-0.0026	-0.0037
	0.00	VIVA	-2.63E+00	1.12E-03	-8.88E-04		COMB6	-1.0852	-1.0878	-0.0030	0.0021	-0.0006	-0.0003
	0.50	VIVA	-2.63E+00	1.12E-03	-1.45E-03		COMB7	-8.0251	-9.0581	0.0008	0.0055	-0.0029	-0.0047
	0.00	VIENTO	-3.80E+00	1.62E-03	-1.28E-03		COMB8	1.8428	1.8409	-0.0034	0.0004	0.0005	0.0012
	0.50	VIENTO	-3.80E+00	1.62E-03	-2.09E-03		COMB9	-5.1521	-5.1547	-0.0011	0.0040	-0.0019	-0.0026
	0.00	ESPECTRO	2.83E-01	8.90E-05	1.42E-04		COMB10	-2.8082	-2.8101	-0.0012	0.0026	-0.0011	-0.0014
	0.50	ESPECTRO	2.83E-01	8.90E-05	1.32E-04								
	0.00	DEAD	-2.00E+00	-2.51E-03	-1.00E-03								
	0.50	DEAD	-2.00E+00	1.64E-03	-7.88E-04		COMB1	-4.9473	-4.9505	-0.0039	0.0019	-0.0023	-0.0018
	0.00	COBERT	-6.80E-01	8.77E-05	-2.69E-04		COMB2	-8.5951	-8.5979	-0.0028	0.0022	-0.0037	-0.0036
	0.50	COBERT	-6.80E-01	8.77E-05	-3.12E-04		COMB3	-10.7128	-10.7155	-0.0025	0.0025	-0.0046	-0.0045
	0.00	CORREAS	-8.58E-01	-3.84E-04	-4.00E-04		COMB4	-0.4899	-0.4927	-0.0038	0.0011	-0.0005	0.0002
2112	0.50	CORREAS	-8.58E-01	-3.84E-04	-2.09E-04	2112	COMB5	-7.3860	-7.3888	-0.0030	0.0020	-0.0032	-0.0030
	0.00	VIVA	-2.72E+00	3.51E-04	-1.07E-03		COMB6	-1.0950	-1.0978	-0.0038	0.0012	-0.0008	-0.0001
	0.50	VIVA	-2.72E+00	3.51E-04	-1.25E-03		COMB7	-8.2918	-9.3547	-0.0019	0.0023	-0.0035	-0.0039
	0.00	VIENTO	-3.93E+00	5.07E-04	-1.55E-03		COMB8	1.9310	1.9290	-0.0032	0.0006	0.0005	0.0012
	0.50	VIENTO	-3.93E+00	5.07E-04	-1.80E-03		COMB9	-5.3133	-5.3161	-0.0030	0.0020	-0.0024	-0.0021
	0.00	ESPECTRO	2.88E-01	1.82E-04	1.61E-04		COMB10	-2.8924	-2.8945	-0.0023	0.0014	-0.0013	-0.0011
	0.50	ESPECTRO	2.88E-01	1.82E-04	1.20E-04								
	0.00	DEAD	-2.02E+00	-3.21E-03	-1.19E-03								
	0.50	DEAD	-2.02E+00	8.52E-04	-5.99E-04		COMB1	-5.0230	-5.0264	-0.0052	0.0005	-0.0027	-0.0015
	0.00	COBERT	-6.97E-01	-1.71E-04	-3.36E-04		COMB2	-8.7667	-8.7697	-0.0056	-0.0007	-0.0044	-0.0029
	0.50	COBERT	-6.97E-01	-1.71E-04	-2.51E-04		COMB3	-10.9362	-10.9392	-0.0061	-0.0012	-0.0055	-0.0037
	0.00	CORREAS	-8.70E-01	-3.54E-04	-3.91E-04		COMB4	-0.4629	-0.4659	-0.0035	0.0013	-0.0004	0.0001
2113	0.50	CORREAS	-8.70E-01	-3.54E-04	-2.15E-04	2113	COMB5	-7.5280	-7.5309	-0.0053	-0.0004	-0.0039	-0.0024
	0.00	VIVA	-2.79E+00	-6.83E-04	-1.34E-03		COMB6	-1.0829	-1.0858	-0.0037	0.0012	-0.0007	-0.0001
	0.50	VIVA	-2.79E+00	-6.83E-04	-1.00E-03		COMB7	-8.4657	-9.5450	-0.0046	-0.0009	-0.0042	-0.0032
	0.00	VIENTO	-4.03E+00	-9.87E-04	-1.94E-03		COMB8	2.0076	2.0054	-0.0021	0.0016	0.0008	0.0009
	0.50	VIENTO	-4.03E+00	-9.87E-04	-1.45E-03		COMB9	-5.4093	-5.4122	-0.0045	0.0003	-0.0028	-0.0017
	0.00	ESPECTRO	2.90E-01	2.96E-04	1.85E-04		COMB10	-2.9387	-2.9410	-0.0031	0.0006	-0.0015	-0.0008
	0.50	ESPECTRO	2.90E-01	2.96E-04	1.12E-04								
	0.00	DEAD	-2.02E+00	-3.89E-03	-1.35E-03								
	0.50	DEAD	-2.03E+00	8.98E-05	-4.05E-04		COMB1	-5.0521	-5.0557	-0.0075	-0.0019	-0.0032	-0.0009
	0.00	COBERT	-7.07E-01	-4.18E-04	-3.97E-04		COMB2	-8.8530	-8.8561	-0.0091	-0.0043	-0.0053	-0.0020
	0.50	COBERT	-7.07E-01	-4.18E-04	-1.88E-04		COMB3	-11.0523	-11.0554	-0.0104	-0.0056	-0.0065	-0.0026
	0.00	CORREAS	-8.78E-01	-1.02E-03	-5.58E-04		COMB4	-0.4351	-0.4382	-0.0041	0.0007	-0.0006	0.0003
2114	0.50	CORREAS	-8.78E-01	-1.02E-03	-5.05E-05	2114	COMB5	-7.5972	-7.6003	-0.0083	-0.0035	-0.0046	-0.0016
	0.00	VIVA	-2.83E+00	-1.67E-03	-1.59E-03		COMB6	-1.0636	-1.0667	-0.0045	0.0003	-0.0009	0.0001
	0.50	VIVA	-2.83E+00	-1.67E-03	-7.53E-04		COMB7	-8.5564	-9.6421	-0.0079	-0.0048	-0.0051	-0.0022
	0.00	VIENTO	-4.08E+00	-2.42E-03	-2.29E-03		COMB8	2.0608	2.0585	-0.0017	0.0019	0.0009	0.0008
	0.50	VIENTO	-4.08E+00	-2.42E-03	-1.09E-03		COMB9	-5.4537	-5.4568	-0.0068	-0.0020	-0.0034	-0.0010
	0.00	ESPECTRO	2.90E-01	4.09E-04	2.08E-04		COMB10	-2.9578	-2.9601	-0.0044	-0.0008	-0.0019	-0.0005
	0.50	ESPECTRO	2.90E-01	4.09E-04	1.12E-04								
	0.00	DEAD	-2.00E+00	-4.46E-03	-1.49E-03								
	0.50	DEAD	-2.01E+00	-5.70E-04	-2.40E-04		COMB1	-5.0189	-5.0228	-0.0085	-0.0031	-0.0035	-0.0006
	0.00	COBERT	-7.09E-01	-6.43E-04	-4.52E-04		COMB2	-8.8404	-8.8437	-0.0114	-0.0067	-0.0059	-0.0014
	0.50	COBERT	-7.09E-01	-6.43E-04	-1.31E-04		COMB3	-11.0474	-11.0507	-0.0134	-0.0087	-0.0073	-0.0018
	0.00	CORREAS	-8.72E-01	-9.66E-04	-5.39E-04		COMB4	-0.3930	-0.3963	-0.0037	0.0009	-0.0005	0.0002
2115	0.50	CORREAS	-8.72E-01	-9.66E-04	-5.72E-05	2115	COMB5	-7.5802	-7.5835	-0.0103	-0.0056	-0.0051	-0.0011
	0.00	VIVA	-2.84E+00	-2.57E-03	-1.81E-03		COMB6	-1.0237	-1.0269	-0.0043	0.0004	-0.0009	0.0001
	0.50	VIVA	-2.84E+00	-2.57E-03	-5.25E-04		COMB7	-8.5537	-9.6324	-0.0103	-0.0074	-0.0056	-0.0015
	0.00	VIENTO	-4.10E+00	-3.72E-03	-2.61E-03		COMB8	2.1007	2.0983	-0.0006	0.0029	0.0012	0.0006
	0.50	VIENTO	-4.10E+00	-3.72E-03	-7.58E-04		COMB9	-5.4331	-5.4363	-0.0081	-0.0034	-0.0037	-0.0007
	0.00	ESPECTRO	2.87E-01	5.05E-04	2.28E-04		COMB10	-2.9393	-2.9418	-0.0050	-0.0015	-0.0020	-0.0003
	0.50	ESPECTRO	2.87E-01	5.05E-04	1.17E-04								
	0.00	DEAD	-1.96E+00	-5.65E-03	-1.70E-03								
	0.50	DEAD	-1.96E+00	-1.86E-03	1.74E-04		COMB1	-4.9400	-4.9440	-0.0117	-0.0064	-0.0041	0.0004
	0.00	COBERT	-7.05E-01	-9.77E-04	-5.17E-04		COMB2	-8.7439	-8.7474	-0.0163	-0.0118	-0.0068	0.0002

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO AS-2 (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames

ELE.	Stat.	OutputCase	P	V2	M3
Text	m	Text	Ton	Ton	Ton-m
2116	0.50	COBERT	-7.05E-01	-9.77E-04	-2.95E-05
	0.00	CORREAS	-8.62E-01	-1.75E-03	-7.10E-04
	0.50	CORREAS	-8.62E-01	-1.75E-03	1.63E-04
	0.00	VIVA	-2.82E+00	-3.91E-03	-2.07E-03
	0.50	VIVA	-2.82E+00	-3.91E-03	-1.18E-04
	0.00	VIENTO	-4.07E+00	-5.65E-03	-2.99E-03
	0.50	VIENTO	-4.07E+00	-5.65E-03	-1.71E-04
	0.00	ESPECTRO	2.82E-01	7.13E-04	2.59E-04
	0.50	ESPECTRO	2.82E-01	7.13E-04	1.60E-04
2117	0.00	DEAD	-1.90E+00	-4.31E-03	-1.29E-03
	0.50	DEAD	-1.90E+00	-6.26E-04	-5.59E-05
	0.00	COBERT	-6.94E-01	-8.91E-04	-4.72E-04
	0.50	COBERT	-6.94E-01	-8.91E-04	-2.78E-05
	0.00	CORREAS	-8.38E-01	-1.25E-03	-5.44E-04
	0.50	CORREAS	-8.38E-01	-1.25E-03	8.14E-05
	0.00	VIVA	-2.77E+00	-3.56E-03	-1.89E-03
	0.50	VIVA	-2.77E+00	-3.56E-03	-1.11E-04
	0.00	VIENTO	-4.01E+00	-5.15E-03	-2.73E-03
	0.50	VIENTO	-4.01E+00	-5.15E-03	-1.60E-04
	0.00	ESPECTRO	2.75E-01	4.80E-04	2.05E-04
	0.50	ESPECTRO	2.75E-01	4.80E-04	1.04E-04
2118	0.00	DEAD	-1.82E+00	-5.29E-03	-1.61E-03
	0.50	DEAD	-1.82E+00	-1.71E-03	1.39E-04
	0.00	COBERT	-6.76E-01	-1.20E-03	-5.63E-04
	0.50	COBERT	-6.76E-01	-1.20E-03	3.35E-05
	0.00	CORREAS	-8.12E-01	-1.80E-03	-7.10E-04
	0.50	CORREAS	-8.12E-01	-1.80E-03	1.89E-04
	0.00	VIVA	-2.71E+00	-4.78E-03	-2.25E-03
	0.50	VIVA	-2.71E+00	-4.78E-03	1.34E-04
	0.00	VIENTO	-3.91E+00	-6.91E-03	-3.25E-03
	0.50	VIENTO	-3.91E+00	-6.91E-03	1.94E-04
	0.00	ESPECTRO	2.65E-01	6.79E-04	2.58E-04
	0.50	ESPECTRO	2.65E-01	6.79E-04	1.26E-04
2119	0.00	DEAD	-1.72E+00	-5.32E-03	-1.56E-03
	0.50	DEAD	-1.73E+00	-1.85E-03	2.24E-04
	0.00	COBERT	-6.53E-01	-1.29E-03	-5.72E-04
	0.50	COBERT	-6.53E-01	-1.29E-03	7.07E-05
	0.00	CORREAS	-7.72E-01	-1.84E-03	-6.94E-04
	0.50	CORREAS	-7.72E-01	-1.84E-03	2.23E-04
	0.00	VIVA	-2.61E+00	-5.15E-03	-2.29E-03
	0.50	VIVA	-2.61E+00	-5.15E-03	2.83E-04
	0.00	VIENTO	-3.78E+00	-7.44E-03	-3.30E-03
	0.50	VIENTO	-3.78E+00	-7.44E-03	4.09E-04
	0.00	ESPECTRO	2.54E-01	7.08E-04	2.57E-04
	0.50	ESPECTRO	2.54E-01	7.08E-04	1.33E-04
2120	0.00	DEAD	-1.61E+00	-5.48E-03	-1.57E-03
	0.50	DEAD	-1.62E+00	-2.13E-03	3.23E-04
	0.00	COBERT	-6.26E-01	-1.41E-03	-5.89E-04
	0.50	COBERT	-6.26E-01	-1.41E-03	1.13E-04
	0.00	CORREAS	-7.30E-01	-2.06E-03	-7.35E-04
	0.50	CORREAS	-7.30E-01	-2.06E-03	2.90E-04
	0.00	VIVA	-2.50E+00	-5.63E-03	-2.35E-03
	0.50	VIVA	-2.50E+00	-5.63E-03	4.53E-04
	0.00	VIENTO	-3.61E+00	-8.13E-03	-3.40E-03
	0.50	VIENTO	-3.61E+00	-8.13E-03	6.54E-04
	0.00	ESPECTRO	2.42E-01	7.62E-04	2.64E-04
	0.50	ESPECTRO	2.42E-01	7.62E-04	1.44E-04
2121	0.00	DEAD	-1.49E+00	-5.63E-03	-1.56E-03
	0.50	DEAD	-1.50E+00	-2.40E-03	4.37E-04
	0.00	COBERT	-5.93E-01	-1.54E-03	-6.01E-04
	0.50	COBERT	-5.93E-01	-1.54E-03	1.65E-04
	0.00	CORREAS	-6.78E-01	-2.15E-03	-7.32E-04
	0.50	CORREAS	-6.78E-01	-2.15E-03	3.41E-04
	0.00	VIVA	-2.37E+00	-6.14E-03	-2.40E-03
	0.50	VIVA	-2.37E+00	-6.14E-03	6.59E-04
	0.00	VIENTO	-3.43E+00	-8.87E-03	-3.47E-03
	0.50	VIENTO	-3.43E+00	-8.87E-03	9.52E-04
	0.00	ESPECTRO	2.28E-01	8.21E-04	2.69E-04
	0.50	ESPECTRO	2.28E-01	8.21E-04	1.61E-04
2122	0.00	DEAD	-1.36E+00	-5.45E-03	-1.50E-03
	0.50	DEAD	-1.36E+00	-2.34E-03	4.37E-04
	0.00	COBERT	-5.56E-01	-1.49E-03	-5.91E-04
	0.50	COBERT	-5.56E-01	-1.49E-03	1.51E-04
	0.00	CORREAS	-6.24E-01	-2.14E-03	-7.31E-04
	0.50	CORREAS	-6.24E-01	-2.14E-03	3.36E-04
	0.00	VIVA	-2.22E+00	-5.95E-03	-2.36E-03
	0.50	VIVA	-2.22E+00	-5.95E-03	6.04E-04
	0.00	VIENTO	-3.21E+00	-8.60E-03	-3.41E-03

ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
2116	COMB3	-10.9369	-10.9404	-0.0193	-0.0148	-0.0084	0.0001
	COMB4	-0.3501	-0.3536	-0.0047	-0.0001	-0.0007	0.0005
	COMB5	-7.4917	-7.4952	-0.0146	-0.0100	-0.0059	0.0002
	COMB6	-0.9768	-0.9802	-0.0055	-0.0010	-0.0011	0.0005
	COMB7	-8.4691	-9.5311	-0.0149	-0.0128	-0.0065	0.0001
	COMB8	2.1177	2.1151	-0.0002	0.0032	0.0013	0.0005
	COMB9	-5.3616	-5.3650	-0.0113	-0.0067	-0.0043	0.0005
	COMB10	-2.8938	-2.8963	-0.0068	-0.0034	-0.0024	0.0004
2117							
	COMB1	-4.8056	-4.8098	-0.0090	-0.0039	-0.0032	0.0000
	COMB2	-8.5588	-8.5624	-0.0134	-0.0090	-0.0058	-0.0002
	COMB3	-10.7179	-10.7215	-0.0162	-0.0118	-0.0073	-0.0003
	COMB4	-0.2951	-0.2987	-0.0028	0.0016	-0.0002	0.0002
	COMB5	-7.3261	-7.3297	-0.0119	-0.0074	-0.0049	-0.0001
	COMB6	-0.9121	-0.9156	-0.0036	0.0008	-0.0006	0.0001
	COMB7	-8.3007	-9.3340	-0.0125	-0.0100	-0.0056	-0.0002
	COMB8	2.1221	2.1194	0.0009	0.0042	0.0015	0.0002
	COMB9	-5.2318	-5.2354	-0.0090	-0.0046	-0.0035	0.0000
	COMB10	-2.8146	-2.8173	-0.0053	-0.0020	-0.0019	0.0001
2118							
	COMB1	-4.6313	-4.6357	-0.0116	-0.0066	-0.0040	0.0005
	COMB2	-8.2981	-8.3019	-0.0176	-0.0133	-0.0071	0.0006
	COMB3	-10.4030	-10.4068	-0.0213	-0.0170	-0.0088	0.0008
	COMB4	-0.2416	-0.2454	-0.0034	0.0009	-0.0004	0.0002
	COMB5	-7.0963	-7.1000	-0.0155	-0.0112	-0.0061	0.0006
	COMB6	-0.8431	-0.8468	-0.0044	-0.0001	-0.0009	0.0003
	COMB7	-8.0580	-9.0541	-0.0164	-0.0146	-0.0068	0.0007
	COMB8	2.1034	2.1006	0.0015	0.0047	0.0016	0.0001
	COMB9	-5.0569	-5.0606	-0.0117	-0.0074	-0.0043	0.0006
	COMB10	-2.7118	-2.7146	-0.0068	-0.0036	-0.0023	0.0005
2119							
	COMB1	-4.4104	-4.4149	-0.0118	-0.0070	-0.0040	0.0007
	COMB2	-7.9622	-7.9661	-0.0184	-0.0142	-0.0071	0.0011
	COMB3	-9.9958	-9.9997	-0.0224	-0.0182	-0.0088	0.0013
	COMB4	-0.1785	-0.1823	-0.0030	0.0011	-0.0002	0.0002
	COMB5	-6.8010	-6.8049	-0.0161	-0.0119	-0.0060	0.0009
	COMB6	-0.7596	-0.7635	-0.0042	0.0000	-0.0008	0.0003
	COMB7	-7.7439	-8.6929	-0.0173	-0.0157	-0.0068	0.0012
	COMB8	2.0735	2.0706	0.0021	0.0052	0.0017	-0.0001
	COMB9	-4.8327	-4.8366	-0.0120	-0.0078	-0.0043	0.0009
	COMB10	-2.5808	-2.5837	-0.0069	-0.0038	-0.0023	0.0006
2120							
	COMB1	-4.1592	-4.1639	-0.0125	-0.0078	-0.0041	0.0010
	COMB2	-7.5684	-7.5724	-0.0197	-0.0157	-0.0072	0.0016
	COMB3	-9.5152	-9.5193	-0.0241	-0.0201	-0.0091	0.0019
	COMB4	-0.1170	-0.1210	-0.0030	0.0010	-0.0002	0.0002
	COMB5	-6.4568	-6.4608	-0.0172	-0.0132	-0.0062	0.0014
	COMB6	-0.6733	-0.6773	-0.0042	-0.0002	-0.0008	0.0003
	COMB7	-7.3729	-8.2682	-0.0186	-0.0173	-0.0070	0.0017
	COMB8	2.0253	2.0223	0.0025	0.0055	0.0018	-0.0002
	COMB9	-4.5742	-4.5782	-0.0128	-0.0088	-0.0044	0.0012
	COMB10	-2.4319	-2.4349	-0.0073	-0.0043	-0.0023	0.0008
2121							
	COMB1	-3.8676	-3.8725	-0.0130	-0.0085	-0.0041	0.0013
	COMB2	-7.1103	-7.1145	-0.0210	-0.0171	-0.0073	0.0022
	COMB3	-8.9559	-8.9601	-0.0258	-0.0219	-0.0092	0.0027
	COMB4	-0.0463	-0.0505	-0.0027	0.0012	-0.0002	0.0002
	COMB5	-6.0565	-6.0607	-0.0183	-0.0144	-0.0063	0.0019
	COMB6	-0.5737	-0.5779	-0.0041	-0.0002	-0.0007	0.0004
	COMB7	-6.9411	-7.7741	-0.0199	-0.0188	-0.0071	0.0024
	COMB8	1.9685	1.9653	0.0031	0.0061	0.0019	-0.0004
	COMB9	-4.2731	-4.2773	-0.0134	-0.0095	-0.0044	0.0016
	COMB10	-2.2584	-2.2615	-0.0076	-0.0047	-0.0023	0.0010
2122							
	COMB1	-3.5510	-3.5561	-0.0127	-0.0084	-0.0040	0.0013
	COMB2	-6.6004	-6.6047	-0.0204	-0.0167	-0.0072	0.0021
	COMB3	-8.3299	-8.3342	-0.0250	-0.0213	-0.0090	0.0025
	COMB4	0.0195	0.0152	-0.0027	0.0010	-0.0001	0.0003
	COMB5	-5.6128	-5.6171	-0.0178	-0.0140	-0.0061	0.0018
	COMB6	-0.4747	-0.4790	-0.0040	-0.0003	-0.0007	0.0004
	COMB7	-6.4575	-7.2228	-0.0193	-0.0183	-0.0070	0.0022
	COMB8	1.8919	1.8887	0.0030	0.0058	0.0019	-0.0003

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO AS-2 (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames

ELE.	Stat.	OutputCase	P	V2	M3
Text	m	Text	Ton	Ton	Ton-m
	0.50	VIENTO	-3.21E+00	-8.60E-03	8.73E-04
	0.00	ESPECTRO	2.13E-01	7.99E-04	2.63E-04
	0.50	ESPECTRO	2.13E-01	7.99E-04	1.53E-04
2123	0.00	DEAD	-1.21E+00	-6.60E-03	-1.59E-03
	0.50	DEAD	-1.21E+00	-3.62E-03	9.58E-04
	0.00	COBERT	-5.14E-01	-2.31E-03	-6.86E-04
	0.50	COBERT	-5.14E-01	-2.31E-03	4.66E-04
	0.00	CORREAS	-5.60E-01	-3.23E-03	-8.39E-04
	0.50	CORREAS	-5.60E-01	-3.23E-03	7.69E-04
	0.00	VIVA	-2.05E+00	-9.25E-03	-2.74E-03
	0.50	VIVA	-2.05E+00	-9.25E-03	1.87E-03
	0.00	VIENTO	-2.97E+00	-1.34E-02	-3.96E-03
	0.50	VIENTO	-2.97E+00	-1.34E-02	2.70E-03
	0.00	ESPECTRO	1.97E-01	1.21E-03	3.09E-04
	0.50	ESPECTRO	1.97E-01	1.21E-03	3.02E-04
3077	0.00	DEAD	1.08E-03	-1.23E-03	2.36E-04
	0.47	DEAD	9.98E-04	3.28E-03	-2.50E-04
	0.00	COBERT	6.72E-04	1.05E-04	5.36E-05
	0.47	COBERT	6.72E-04	1.05E-04	3.69E-06
	0.00	CORREAS	4.99E-04	2.53E-04	1.00E-04
	0.47	CORREAS	4.99E-04	2.53E-04	-1.97E-05
	0.00	VIVA	2.69E-03	4.21E-04	2.15E-04
	0.47	VIVA	2.69E-03	4.21E-04	1.48E-05
	0.00	VIENTO	3.88E-03	6.08E-04	3.10E-04
	0.47	VIENTO	3.88E-03	6.08E-04	2.13E-05
	0.00	ESPECTRO	4.66E-03	3.38E-04	1.05E-04
	0.47	ESPECTRO	4.66E-03	3.38E-04	5.66E-05
		MONTANTE			
335	0.00	DEAD	-1.22E-03	-4.50E-03	-8.78E-04
	0.95	DEAD	-6.80E-03	2.67E-03	-8.68E-06
	0.00	COBERT	-1.52E-02	8.93E-05	2.55E-05
	0.95	COBERT	-1.52E-02	8.93E-05	-5.97E-05
	0.00	CORREAS	-2.48E-04	-1.42E-04	-6.35E-05
	0.95	CORREAS	-2.48E-04	-1.42E-04	7.19E-05
	0.00	VIVA	-6.08E-02	3.57E-04	1.02E-04
	0.95	VIVA	-6.08E-02	3.57E-04	-2.39E-04
	0.00	VIENTO	-8.79E-02	5.16E-04	1.47E-04
	0.95	VIENTO	-8.79E-02	5.16E-04	-3.45E-04
	0.00	ESPECTRO	1.54E-03	2.16E-04	8.92E-05
	0.95	ESPECTRO	1.54E-03	2.16E-04	1.17E-04
336	0.00	DEAD	-7.43E-02	-4.15E-03	-7.79E-04
	0.95	DEAD	-8.01E-02	2.77E-03	-1.24E-04
	0.00	COBERT	1.76E-03	1.29E-04	5.74E-05
	0.95	COBERT	1.76E-03	1.29E-04	-6.50E-05
	0.00	CORREAS	-3.08E-02	-2.75E-04	-1.22E-04
	0.95	CORREAS	-3.08E-02	-2.75E-04	1.39E-04
	0.00	VIVA	7.05E-03	5.16E-04	2.30E-04
	0.95	VIVA	7.05E-03	5.16E-04	-2.60E-04
	0.00	VIENTO	1.02E-02	7.46E-04	3.32E-04
	0.95	VIENTO	1.02E-02	7.46E-04	-3.76E-04
	0.00	ESPECTRO	4.32E-02	3.81E-04	1.68E-04
	0.95	ESPECTRO	4.32E-02	3.81E-04	1.93E-04
337	0.00	DEAD	-8.92E-02	-4.40E-03	-9.46E-04
	0.94	DEAD	-9.52E-02	2.27E-03	5.78E-05
	0.00	COBERT	-3.27E-03	4.65E-05	2.21E-05
	0.94	COBERT	-3.27E-03	4.65E-05	-2.17E-05
	0.00	CORREAS	-2.92E-02	-3.76E-04	-1.73E-04
	0.94	CORREAS	-2.92E-02	-3.76E-04	1.82E-04
	0.00	VIVA	-1.31E-02	1.86E-04	8.84E-05
	0.94	VIVA	-1.31E-02	1.86E-04	-8.69E-05
	0.00	VIENTO	-1.89E-02	2.69E-04	1.28E-04
	0.94	VIENTO	-1.89E-02	2.69E-04	-1.26E-04
	0.00	ESPECTRO	4.37E-02	4.20E-04	1.95E-04
	0.94	ESPECTRO	4.37E-02	4.20E-04	2.00E-04
338	0.00	DEAD	-1.02E-01	-4.46E-03	-1.01E-03
	0.94	DEAD	-1.08E-01	1.96E-03	1.65E-04
	0.00	COBERT	-7.99E-03	-1.91E-05	-8.73E-06
	0.94	COBERT	-7.99E-03	-1.91E-05	9.18E-06
	0.00	CORREAS	-4.23E-02	-4.57E-04	-2.08E-04
	0.94	CORREAS	-4.23E-02	-4.57E-04	2.20E-04
	0.00	VIVA	-3.19E-02	-7.66E-05	-3.49E-05
	0.94	VIVA	-3.19E-02	-7.66E-05	3.67E-05
	0.00	VIENTO	-4.62E-02	-1.11E-04	-5.05E-05
	0.94	VIENTO	-4.62E-02	-1.11E-04	5.30E-05
	0.00	ESPECTRO	4.34E-02	4.28E-04	1.97E-04
	0.94	ESPECTRO	4.34E-02	4.28E-04	2.03E-04
	0.00	DEAD	-1.11E-01	-4.52E-03	-1.07E-03
	0.93	DEAD	-1.17E-01	1.63E-03	2.71E-04

ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
	COMB9	-3.9423	-3.9466	-0.0131	-0.0093	-0.0043	0.0016
	COMB10	-2.0699	-2.0732	-0.0074	-0.0046	-0.0023	0.0010
2123	COMB1	-3.1991	-3.2042	-0.0170	-0.0128	-0.0044	0.0031
	COMB2	-6.0295	-6.0339	-0.0294	-0.0258	-0.0081	0.0056
	COMB3	-7.6281	-7.6325	-0.0366	-0.0330	-0.0103	0.0071
	COMB4	0.0894	0.0849	-0.0018	0.0018	0.0000	0.0001
	COMB5	-5.1166	-5.1211	-0.0252	-0.0217	-0.0069	0.0048
	COMB6	-0.3674	-0.3719	-0.0039	-0.0003	-0.0006	0.0005
	COMB7	-5.9153	-6.6052	-0.0283	-0.0284	-0.0080	0.0061
	COMB8	1.8022	1.7989	0.0064	0.0091	0.0024	-0.0015
	COMB9	-3.5725	-3.5770	-0.0180	-0.0144	-0.0048	0.0039
	COMB10	-1.8597	-1.8630	-0.0097	-0.0070	-0.0025	0.0023
3077	COMB1	0.0032	0.0030	-0.0012	0.0051	0.0005	-0.0004
	COMB2	0.0070	0.0069	-0.0004	0.0050	0.0008	-0.0003
	COMB3	0.0091	0.0090	-0.0001	0.0054	0.0010	-0.0003
	COMB4	-0.0010	-0.0011	-0.0016	0.0038	0.0002	-0.0003
	COMB5	0.0058	0.0057	-0.0006	0.0049	0.0007	-0.0003
	COMB6	-0.0004	-0.0005	-0.0015	0.0039	0.0002	-0.0003
	COMB7	0.0071	0.0077	0.0000	0.0052	0.0008	-0.0003
	COMB8	-0.0030	-0.0031	-0.0016	0.0025	-0.0001	-0.0003
	COMB9	0.0087	0.0086	-0.0005	0.0049	0.0007	-0.0003
	COMB10	0.0067	0.0066	-0.0005	0.0036	0.0005	-0.0002
				MONTANTE			
335	COMB1	-0.0233	-0.0312	-0.0064	0.0037	-0.0013	0.0000
	COMB2	-0.1174	-0.1241	-0.0049	0.0037	-0.0009	-0.0004
	COMB3	-0.1647	-0.1714	-0.0046	0.0040	-0.0009	-0.0006
	COMB4	0.0638	0.0571	-0.0059	0.0027	-0.0012	0.0003
	COMB5	-0.0903	-0.0970	-0.0050	0.0036	-0.0010	-0.0003
	COMB6	0.0503	0.0436	-0.0059	0.0027	-0.0012	0.0003
	COMB7	-0.1293	-0.1410	-0.0034	0.0038	-0.0006	-0.0004
	COMB8	0.0993	0.0942	-0.0048	0.0017	-0.0010	0.0005
	COMB9	-0.0489	-0.0556	-0.0051	0.0035	-0.0010	0.0000
	COMB10	-0.0135	-0.0185	-0.0039	0.0026	-0.0007	0.0001
336	COMB1	-0.1447	-0.1528	-0.0060	0.0037	-0.0012	-0.0001
	COMB2	-0.1127	-0.1197	-0.0043	0.0040	-0.0006	-0.0005
	COMB3	-0.1073	-0.1142	-0.0039	0.0044	-0.0005	-0.0007
	COMB4	-0.1337	-0.1407	-0.0059	0.0024	-0.0013	0.0003
	COMB5	-0.1159	-0.1228	-0.0046	0.0037	-0.0007	-0.0004
	COMB6	-0.1322	-0.1391	-0.0058	0.0026	-0.0013	0.0002
	COMB7	-0.0798	-0.1177	-0.0029	0.0041	-0.0003	-0.0005
	COMB8	-0.1063	-0.1115	-0.0048	0.0014	-0.0012	0.0004
	COMB9	-0.0773	-0.0843	-0.0045	0.0038	-0.0007	0.0000
	COMB10	-0.0498	-0.0551	-0.0035	0.0027	-0.0006	0.0001
337	COMB1	-0.1704	-0.1788	-0.0066	0.0027	-0.0015	0.0003
	COMB2	-0.1669	-0.1741	-0.0054	0.0026	-0.0012	0.0001
	COMB3	-0.1771	-0.1843	-0.0052	0.0028	-0.0011	0.0001
	COMB4	-0.1280	-0.1352	-0.0059	0.0021	-0.0014	0.0004
	COMB5	-0.1611	-0.1683	-0.0055	0.0025	-0.0012	0.0002
	COMB6	-0.1309	-0.1381	-0.0059	0.0021	-0.0014	0.0004
	COMB7	-0.1341	-0.1778	-0.0039	0.0027	-0.0008	0.0001
	COMB8	-0.0850	-0.0904	-0.0046	0.0014	-0.0012	0.0004
	COMB9	-0.1089	-0.1161	-0.0052	0.0028	-0.0011	0.0004
	COMB10	-0.0658	-0.0712	-0.0038	0.0022	-0.0008	0.0004
338	COMB1	-0.2130	-0.2216	-0.0069	0.0021	-0.0017	0.0006
	COMB2	-0.2337	-0.2411	-0.0060	0.0017	-0.0015	0.0005
	COMB3	-0.2585	-0.2660	-0.0061	0.0016	-0.0016	0.0006
	COMB4	-0.1385	-0.1460	-0.0058	0.0019	-0.0014	0.0004
	COMB5	-0.2195	-0.2269	-0.0060	0.0017	-0.0015	0.0005
	COMB6	-0.1456	-0.1531	-0.0058	0.0019	-0.0014	0.0004
	COMB7	-0.1969	-0.2500	-0.0046	0.0016	-0.0012	0.0005
	COMB8	-0.0769	-0.0825	-0.0043	0.0015	-0.0010	0.0003
	COMB9	-0.1551	-0.1625	-0.0055	0.0022	-0.0013	0.0007
	COMB10	-0.0935	-0.0991	-0.0040	0.0018	-0.0009	0.0006
	COMB1	-0.2248	-0.2337	-0.0072	0.0014	-0.0019	0.0008

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO AS-2 (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames

ELE.	Stat.	OutputCase	P	V2	M3
Text	m	Text	Ton	Ton	Ton-m
339	0.00	COBERT	-1.24E-02	-7.74E-05	-3.54E-05
	0.93	COBERT	-1.24E-02	-7.74E-05	3.65E-05
	0.00	CORREAS	-3.72E-02	-5.35E-04	-2.43E-04
	0.93	CORREAS	-3.72E-02	-5.35E-04	2.54E-04
	0.00	VIVA	-4.98E-02	-3.10E-04	-1.42E-04
	0.93	VIVA	-4.98E-02	-3.10E-04	1.46E-04
	0.00	VIENTO	-7.19E-02	-4.47E-04	-2.05E-04
	0.93	VIENTO	-7.19E-02	-4.47E-04	2.11E-04
	0.00	ESPECTRO	4.27E-02	4.34E-04	1.99E-04
	0.93	ESPECTRO	4.27E-02	4.34E-04	2.04E-04
340	0.00	DEAD	-1.16E-01	-4.56E-03	-1.13E-03
	0.92	DEAD	-1.23E-01	1.32E-03	3.67E-04
	0.00	COBERT	-1.58E-02	-1.39E-04	-6.29E-05
	0.92	COBERT	-1.58E-02	-1.39E-04	6.48E-05
	0.00	CORREAS	-4.75E-02	-6.00E-04	-2.70E-04
	0.92	CORREAS	-4.75E-02	-6.00E-04	2.83E-04
	0.00	VIVA	-6.30E-02	-5.54E-04	-2.52E-04
	0.92	VIVA	-6.30E-02	-5.54E-04	2.59E-04
	0.00	VIENTO	-9.11E-02	-8.01E-04	-3.63E-04
	0.92	VIENTO	-9.11E-02	-8.01E-04	3.74E-04
	0.00	ESPECTRO	4.15E-02	4.41E-04	2.01E-04
	0.92	ESPECTRO	4.15E-02	4.41E-04	2.05E-04
341	0.00	DEAD	-1.17E-01	-4.48E-03	-1.13E-03
	0.91	DEAD	-1.24E-01	1.12E-03	4.03E-04
	0.00	COBERT	-1.75E-02	-1.81E-04	-8.22E-05
	0.91	COBERT	-1.75E-02	-1.81E-04	8.29E-05
	0.00	CORREAS	-3.84E-02	-6.23E-04	-2.81E-04
	0.91	CORREAS	-3.84E-02	-6.23E-04	2.88E-04
	0.00	VIVA	-6.98E-02	-7.23E-04	-3.29E-04
	0.91	VIVA	-6.98E-02	-7.23E-04	3.32E-04
	0.00	VIENTO	-1.01E-01	-1.04E-03	-4.75E-04
	0.91	VIENTO	-1.01E-01	-1.04E-03	4.79E-04
	0.00	ESPECTRO	3.98E-02	4.18E-04	1.91E-04
	0.91	ESPECTRO	3.98E-02	4.18E-04	1.91E-04
342	0.00	DEAD	-1.14E-01	-4.84E-03	-1.32E-03
	0.91	DEAD	-1.20E-01	4.73E-04	6.57E-04
	0.00	COBERT	-1.75E-02	-2.77E-04	-1.23E-04
	0.91	COBERT	-1.75E-02	-2.77E-04	1.28E-04
	0.00	CORREAS	-4.54E-02	-8.06E-04	-3.55E-04
	0.91	CORREAS	-4.54E-02	-8.06E-04	3.75E-04
	0.00	VIVA	-6.99E-02	-1.11E-03	-4.90E-04
	0.91	VIVA	-6.99E-02	-1.11E-03	5.13E-04
	0.00	VIENTO	-1.01E-01	-1.60E-03	-7.08E-04
	0.91	VIENTO	-1.01E-01	-1.60E-03	7.41E-04
	0.00	ESPECTRO	3.74E-02	5.43E-04	2.41E-04
	0.91	ESPECTRO	3.74E-02	5.43E-04	2.51E-04
343	0.00	DEAD	-1.02E-01	-5.17E-03	-1.52E-03
	0.90	DEAD	-1.09E-01	-1.38E-04	8.63E-04
	0.00	COBERT	-1.61E-02	-3.53E-04	-1.57E-04
	0.90	COBERT	-1.61E-02	-3.53E-04	1.59E-04
	0.00	CORREAS	-3.21E-02	-9.29E-04	-4.12E-04
	0.90	CORREAS	-3.21E-02	-9.29E-04	4.21E-04
	0.00	VIVA	-6.45E-02	-1.41E-03	-6.28E-04
	0.90	VIVA	-6.45E-02	-1.41E-03	6.38E-04
	0.00	VIENTO	-9.32E-02	-2.04E-03	-9.07E-04
	0.90	VIENTO	-9.32E-02	-2.04E-03	9.21E-04
	0.00	ESPECTRO	3.46E-02	6.57E-04	2.93E-04
	0.90	ESPECTRO	3.46E-02	6.57E-04	2.96E-04
344	0.00	DEAD	-8.88E-02	-4.80E-03	-1.38E-03
	0.89	DEAD	-9.58E-02	-6.58E-05	7.79E-04
	0.00	COBERT	-1.39E-02	-3.30E-04	-1.45E-04
	0.89	COBERT	-1.39E-02	-3.30E-04	1.48E-04
	0.00	CORREAS	-3.72E-02	-8.65E-04	-3.78E-04
	0.89	CORREAS	-3.72E-02	-8.65E-04	3.90E-04
	0.00	VIVA	-5.54E-02	-1.32E-03	-5.81E-04
	0.89	VIVA	-5.54E-02	-1.32E-03	5.92E-04
	0.00	VIENTO	-8.01E-02	-1.91E-03	-8.40E-04
	0.89	VIENTO	-8.01E-02	-1.91E-03	8.56E-04
	0.00	ESPECTRO	3.19E-02	5.98E-04	2.64E-04
	0.89	ESPECTRO	3.19E-02	5.98E-04	2.67E-04
345	0.00	DEAD	-7.22E-02	-4.47E-03	-1.27E-03
	0.88	DEAD	-7.93E-02	-2.65E-05	7.04E-04
	0.00	COBERT	-1.07E-02	-2.97E-04	-1.30E-04
	0.88	COBERT	-1.07E-02	-2.97E-04	1.31E-04
	0.00	CORREAS	-2.13E-02	-8.02E-04	-3.49E-04
	0.88	CORREAS	-2.13E-02	-8.02E-04	3.56E-04
	0.00	VIVA	-4.28E-02	-1.19E-03	-5.19E-04
	0.88	VIVA	-4.28E-02	-1.19E-03	5.25E-04

ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
339	COMB2	-0.2724	-0.2800	-0.0067	0.0007	-0.0018	0.0009
	COMB3	-0.3111	-0.3187	-0.0069	0.0005	-0.0020	0.0010
	COMB4	-0.1241	-0.1317	-0.0057	0.0016	-0.0014	0.0005
	COMB5	-0.2503	-0.2579	-0.0065	0.0009	-0.0018	0.0008
	COMB6	-0.1352	-0.1428	-0.0058	0.0016	-0.0015	0.0005
	COMB7	-0.2381	-0.2938	-0.0052	0.0006	-0.0015	0.0009
	COMB8	-0.0510	-0.0567	-0.0040	0.0015	-0.0010	0.0002
	COMB9	-0.1749	-0.1825	-0.0059	0.0015	-0.0015	0.0010
	COMB10	-0.1018	-0.1075	-0.0042	0.0013	-0.0010	0.0007
340							
	COMB1	-0.2511	-0.2602	-0.0074	0.0008	-0.0020	0.0010
	COMB2	-0.3161	-0.3239	-0.0072	-0.0002	-0.0022	0.0013
	COMB3	-0.3652	-0.3730	-0.0077	-0.0006	-0.0024	0.0015
	COMB4	-0.1284	-0.1362	-0.0056	0.0015	-0.0014	0.0005
	COMB5	-0.2881	-0.2959	-0.0070	0.0001	-0.0020	0.0012
	COMB6	-0.1424	-0.1502	-0.0057	0.0013	-0.0015	0.0006
	COMB7	-0.2798	-0.3415	-0.0058	-0.0003	-0.0018	0.0013
	COMB8	-0.0430	-0.0489	-0.0037	0.0016	-0.0008	0.0002
	COMB9	-0.2052	-0.2131	-0.0062	0.0009	-0.0017	0.0012
	COMB10	-0.1199	-0.1258	-0.0043	0.0010	-0.0011	0.0008
341							
	COMB1	-0.2425	-0.2518	-0.0074	0.0004	-0.0021	0.0011
	COMB2	-0.3195	-0.3275	-0.0075	-0.0008	-0.0023	0.0015
	COMB3	-0.3739	-0.3819	-0.0081	-0.0013	-0.0026	0.0017
	COMB4	-0.1116	-0.1196	-0.0053	0.0014	-0.0013	0.0005
	COMB5	-0.2885	-0.2965	-0.0072	-0.0005	-0.0022	0.0013
	COMB6	-0.1271	-0.1351	-0.0055	0.0012	-0.0014	0.0005
	COMB7	-0.2870	-0.3469	-0.0061	-0.0010	-0.0020	0.0016
	COMB8	-0.0247	-0.0307	-0.0034	0.0016	-0.0007	0.0001
	COMB9	-0.2029	-0.2109	-0.0063	0.0004	-0.0018	0.0013
	COMB10	-0.1160	-0.1220	-0.0043	0.0007	-0.0012	0.0009
342							
	COMB1	-0.2471	-0.2566	-0.0083	-0.0009	-0.0025	0.0016
	COMB2	-0.3237	-0.3318	-0.0089	-0.0025	-0.0029	0.0022
	COMB3	-0.3780	-0.3862	-0.0097	-0.0034	-0.0033	0.0026
	COMB4	-0.1155	-0.1237	-0.0056	0.0008	-0.0015	0.0007
	COMB5	-0.2926	-0.3007	-0.0084	-0.0020	-0.0027	0.0020
	COMB6	-0.1311	-0.1392	-0.0058	0.0005	-0.0016	0.0008
	COMB7	-0.2901	-0.3512	-0.0074	-0.0028	-0.0025	0.0024
	COMB8	-0.0276	-0.0337	-0.0033	0.0015	-0.0007	0.0001
	COMB9	-0.2094	-0.2175	-0.0071	-0.0007	-0.0022	0.0019
	COMB10	-0.1215	-0.1276	-0.0048	0.0000	-0.0014	0.0013
343							
	COMB1	-0.2105	-0.2201	-0.0090	-0.0020	-0.0029	0.0020
	COMB2	-0.2836	-0.2919	-0.0100	-0.0040	-0.0035	0.0028
	COMB3	-0.3337	-0.3420	-0.0111	-0.0051	-0.0040	0.0032
	COMB4	-0.0915	-0.0998	-0.0058	0.0002	-0.0016	0.0009
	COMB5	-0.2549	-0.2632	-0.0094	-0.0033	-0.0032	0.0025
	COMB6	-0.1059	-0.1141	-0.0061	-0.0001	-0.0018	0.0010
	COMB7	-0.2564	-0.3098	-0.0085	-0.0044	-0.0031	0.0029
	COMB8	-0.0142	-0.0204	-0.0032	0.0014	-0.0007	0.0001
	COMB9	-0.1780	-0.1863	-0.0078	-0.0018	-0.0025	0.0023
	COMB10	-0.1007	-0.1069	-0.0051	-0.0006	-0.0016	0.0016
344							
	COMB1	-0.1958	-0.2056	-0.0084	-0.0018	-0.0027	0.0018
	COMB2	-0.2565	-0.2649	-0.0093	-0.0036	-0.0032	0.0025
	COMB3	-0.2997	-0.3081	-0.0103	-0.0047	-0.0037	0.0030
	COMB4	-0.0914	-0.0998	-0.0054	0.0003	-0.0015	0.0008
	COMB5	-0.2319	-0.2403	-0.0087	-0.0030	-0.0030	0.0023
	COMB6	-0.1037	-0.1121	-0.0057	0.0000	-0.0016	0.0009
	COMB7	-0.2300	-0.2803	-0.0079	-0.0040	-0.0028	0.0027
	COMB8	-0.0217	-0.0280	-0.0029	0.0013	-0.0006	0.0001
	COMB9	-0.1637	-0.1721	-0.0073	-0.0016	-0.0023	0.0021
	COMB10	-0.0940	-0.1003	-0.0048	-0.0005	-0.0015	0.0015
345							
	COMB1	-0.1458	-0.1558	-0.0078	-0.0016	-0.0025	0.0017
	COMB2	-0.1935	-0.2020	-0.0086	-0.0033	-0.0029	0.0023
	COMB3	-0.2268	-0.2353	-0.0095	-0.0042	-0.0033	0.0027
	COMB4	-0.0660	-0.0745	-0.0050	0.0003	-0.0014	0.0007
	COMB5	-0.1745	-0.1830	-0.0081	-0.0027	-0.0027	0.0020
	COMB6	-0.0755	-0.0840	-0.0053	0.0000	-0.0015	0.0008
	COMB7	-0.1742	-0.2139	-0.0072	-0.0036	-0.0026	0.0024

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO AS-2 (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames

ELE.	Stat.	OutputCase	P	V2	M3	ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
Text	m	Text	Ton	Ton	Ton-m								
	0.00	VIENTO	-6.18E-02	-1.72E-03	-7.50E-04		COMB8	-0.0134	-0.0197	-0.0028	0.0012	-0.0006	0.0001
	0.88	VIENTO	-6.18E-02	-1.72E-03	7.59E-04		COMB9	-0.1178	-0.1264	-0.0067	-0.0014	-0.0021	0.0019
	0.00	ESPECTRO	2.86E-02	5.56E-04	2.44E-04		COMB10	-0.0652	-0.0716	-0.0045	-0.0005	-0.0013	0.0013
	0.88	ESPECTRO	2.86E-02	5.56E-04	2.45E-04								
	0.00	DEAD	-5.35E-02	-4.06E-03	-1.13E-03								
	0.87	DEAD	-6.06E-02	8.82E-05	5.98E-04		COMB1	-0.1194	-0.1294	-0.0070	-0.0012	-0.0022	0.0014
	0.00	COBERT	-7.04E-03	-2.44E-04	-1.06E-04		COMB2	-0.1474	-0.1560	-0.0076	-0.0026	-0.0025	0.0019
	0.87	COBERT	-7.04E-03	-2.44E-04	1.06E-04		COMB3	-0.1693	-0.1779	-0.0083	-0.0034	-0.0029	0.0022
	0.00	CORREAS	-2.47E-02	-7.08E-04	-3.04E-04		COMB4	-0.0635	-0.0721	-0.0047	0.0003	-0.0013	0.0006
346	0.87	CORREAS	-2.47E-02	-7.08E-04	3.12E-04	346	COMB5	-0.1349	-0.1435	-0.0071	-0.0022	-0.0023	0.0017
	0.00	VIVA	-2.82E-02	-9.75E-04	-4.23E-04		COMB6	-0.0697	-0.0783	-0.0049	0.0001	-0.0014	0.0007
	0.87	VIVA	-2.82E-02	-9.75E-04	4.25E-04		COMB7	-0.1297	-0.1638	-0.0063	-0.0029	-0.0022	0.0020
	0.00	VIENTO	-4.07E-02	-1.41E-03	-6.11E-04		COMB8	-0.0238	-0.0303	-0.0027	0.0011	-0.0006	0.0001
	0.87	VIENTO	-4.07E-02	-1.41E-03	6.14E-04		COMB9	-0.0914	-0.1000	-0.0060	-0.0010	-0.0018	0.0017
	0.00	ESPECTRO	2.50E-02	5.02E-04	2.18E-04		COMB10	-0.0518	-0.0582	-0.0040	-0.0003	-0.0012	0.0011
	0.87	ESPECTRO	2.50E-02	5.02E-04	2.19E-04								
	0.00	DEAD	-3.32E-02	-3.60E-03	-9.67E-04								
	0.86	DEAD	-4.04E-02	2.51E-04	4.73E-04		COMB1	-0.0606	-0.0707	-0.0061	-0.0007	-0.0018	0.0011
	0.00	COBERT	-3.06E-03	-1.82E-04	-7.82E-05		COMB2	-0.0716	-0.0802	-0.0064	-0.0018	-0.0021	0.0015
	0.86	COBERT	-3.06E-03	-1.82E-04	7.79E-05		COMB3	-0.0811	-0.0898	-0.0070	-0.0024	-0.0023	0.0017
	0.00	CORREAS	-7.03E-03	-5.99E-04	-2.56E-04		COMB4	-0.0351	-0.0437	-0.0043	0.0004	-0.0011	0.0005
347	0.86	CORREAS	-7.03E-03	-5.99E-04	2.60E-04	347	COMB5	-0.0661	-0.0748	-0.0061	-0.0015	-0.0019	0.0013
	0.00	VIVA	-1.23E-02	-7.26E-04	-3.13E-04		COMB6	-0.0378	-0.0465	-0.0044	0.0002	-0.0012	0.0006
	0.86	VIVA	-1.23E-02	-7.26E-04	3.12E-04		COMB7	-0.0620	-0.0837	-0.0053	-0.0020	-0.0018	0.0016
	0.00	VIENTO	-1.77E-02	-1.05E-03	-4.52E-04		COMB8	-0.0160	-0.0225	-0.0026	0.0009	-0.0006	0.0001
	0.86	VIENTO	-1.77E-02	-1.05E-03	4.50E-04		COMB9	-0.0370	-0.0456	-0.0052	-0.0006	-0.0015	0.0013
	0.00	ESPECTRO	2.11E-02	4.40E-04	1.90E-04		COMB10	-0.0178	-0.0243	-0.0035	0.0000	-0.0010	0.0009
	0.86	ESPECTRO	2.11E-02	4.40E-04	1.89E-04								
	0.00	DEAD	-1.21E-02	-3.09E-03	-7.87E-04								
	0.85	DEAD	-1.94E-02	4.63E-04	3.29E-04		COMB1	-0.0294	-0.0396	-0.0051	-0.0001	-0.0014	0.0008
	0.00	COBERT	1.26E-03	-1.03E-04	-4.51E-05		COMB2	-0.0171	-0.0258	-0.0050	-0.0008	-0.0015	0.0010
	0.85	COBERT	1.26E-03	-1.03E-04	4.28E-05		COMB3	-0.0132	-0.0219	-0.0054	-0.0011	-0.0017	0.0011
	0.00	CORREAS	-1.01E-02	-4.60E-04	-1.94E-04		COMB4	-0.0322	-0.0409	-0.0038	0.0005	-0.0010	0.0004
348	0.85	CORREAS	-1.01E-02	-4.60E-04	1.97E-04	348	COMB5	-0.0194	-0.0281	-0.0049	-0.0006	-0.0014	0.0009
	0.00	VIVA	5.05E-03	-4.14E-04	-1.80E-04		COMB6	-0.0310	-0.0398	-0.0039	0.0004	-0.0010	0.0005
	0.85	VIVA	5.05E-03	-4.14E-04	1.71E-04		COMB7	-0.0094	-0.0244	-0.0041	-0.0009	-0.0013	0.0010
	0.00	VIENTO	7.30E-03	-5.98E-04	-2.61E-04		COMB8	-0.0284	-0.0349	-0.0025	0.0007	-0.0006	0.0002
	0.85	VIENTO	7.30E-03	-5.98E-04	2.47E-04		COMB9	-0.0054	-0.0142	-0.0042	0.0001	-0.0012	0.0009
	0.00	ESPECTRO	1.72E-02	3.78E-04	1.61E-04		COMB10	-0.0017	-0.0082	-0.0029	0.0003	-0.0008	0.0007
	0.85	ESPECTRO	1.72E-02	3.78E-04	1.60E-04								
	0.00	DEAD	9.27E-03	-2.60E-03	-6.19E-04								
	0.84	DEAD	1.97E-03	6.54E-04	2.00E-04		COMB1	0.0329	0.0227	-0.0043	0.0003	-0.0011	0.0006
	0.00	COBERT	6.01E-03	-5.97E-05	-2.52E-05		COMB2	0.0667	0.0580	-0.0041	-0.0001	-0.0011	0.0006
	0.84	COBERT	6.01E-03	-5.97E-05	2.49E-05		COMB3	0.0854	0.0767	-0.0042	-0.0003	-0.0012	0.0007
	0.00	CORREAS	8.23E-03	-4.00E-04	-1.66E-04		COMB4	-0.0049	-0.0137	-0.0033	0.0006	-0.0008	0.0003
349	0.84	CORREAS	8.23E-03	-4.00E-04	1.70E-04	349	COMB5	0.0560	0.0473	-0.0040	0.0000	-0.0011	0.0006
	0.00	VIVA	2.41E-02	-2.39E-04	-1.01E-04		COMB6	0.0004	-0.0083	-0.0034	0.0005	-0.0009	0.0004
	0.84	VIVA	2.41E-02	-2.39E-04	9.96E-05		COMB7	0.0663	0.0646	-0.0032	-0.0002	-0.0009	0.0007
	0.00	VIENTO	3.48E-02	-3.45E-04	-1.46E-04		COMB8	-0.0240	-0.0306	-0.0023	0.0006	-0.0005	0.0002
	0.84	VIENTO	3.48E-02	-3.45E-04	1.44E-04		COMB9	0.0538	0.0450	-0.0035	0.0004	-0.0009	0.0006
	0.00	ESPECTRO	1.35E-02	2.69E-04	1.16E-04		COMB10	0.0347	0.0281	-0.0025	0.0004	-0.0006	0.0005
	0.84	ESPECTRO	1.35E-02	2.69E-04	1.09E-04								
	0.00	DEAD	2.66E-02	-2.28E-03	-5.27E-04								
	0.83	DEAD	1.92E-02	6.87E-04	1.32E-04		COMB1	0.0589	0.0487	-0.0037	0.0005	-0.0009	0.0004
	0.00	COBERT	1.09E-02	-2.20E-05	-1.10E-05		COMB2	0.1203	0.1115	-0.0033	0.0003	-0.0009	0.0004
	0.83	COBERT	1.09E-02	-2.20E-05	7.31E-06		COMB3	0.1542	0.1454	-0.0033	0.0002	-0.0009	0.0004
	0.00	CORREAS	4.61E-03	-3.10E-04	-1.27E-04		COMB4	-0.0096	-0.0184	-0.0030	0.0005	-0.0007	0.0003
350	0.83	CORREAS	4.61E-03	-3.10E-04	1.30E-04	350	COMB5	0.1009	0.0921	-0.0032	0.0003	-0.0008	0.0004
	0.00	VIVA	4.36E-02	-8.81E-05	-4.38E-05		COMB6	0.0001	-0.0087	-0.0030	0.0005	-0.0007	0.0003
	0.83	VIVA	4.36E-02	-8.81E-05	2.92E-05		COMB7	0.1198	0.1236	-0.0025	0.0003	-0.0007	0.0004
	0.00	VIENTO	6.30E-02	-1.27E-04	-6.33E-05		COMB8	-0.0440	-0.0506	-0.0022	0.0005	-0.0005	0.0002
	0.83	VIENTO	6.30E-02	-1.27E-04	4.22E-05		COMB9	0.0824	0.0736	-0.0030	0.0006	-0.0007	0.0004
	0.00	ESPECTRO	1.01E-02	1.88E-04	8.19E-05		COMB10	0.0480	0.0414	-0.0022	0.0005	-0.0005	0.0003
	0.83	ESPECTRO	1.01E-02	1.88E-04	7.43E-05								
	0.00	DEAD	4.32E-02	-1.92E-03	-4.21E-04								
	0.82	DEAD	3.58E-02	7.46E-04	6.14E-05		COMB1	0.1133	0.1030	-0.0029	0.0008	-0.0007	0.0002
	0.00	COBERT	1.52E-02	5.30E-05	1.99E-05		COMB2	0.1944	0.1856	-0.0022	0.0010	-0.0005	0.0000
	0.82	COBERT	1.52E-02	5.30E-05	-2.34E-05		COMB3	0.2417	0.2329	-0.0020	0.0012	-0.0004	-0.0001
	0.00	CORREAS	2.26E-02	-2.26E-04	-9.31E-05		COMB4	0.0133	0.0045	-0.0028	0.0004	-0.0007	0.0003
351	0.82	CORREAS	2.26E-02	-2.26E-04	9.20E-05	351	COMB5	0.1674	0.1586	-0.0023	0.0009	-0.0005	0.0000
	0.00	VIVA	6.08E-02	2.12E-04	7.98E-05		COMB6	0.0268	0.0180	-0.0028	0.0004	-0.0007	0.0003
	0.82	VIVA	6.08E-02	2.12E-04	-9.37E-05		COMB7	0.1870	0.2025	-0.0015	0.0011	-0.0003	0.0000
	0.00	VIENTO	8.78E-02	3.06E-04	1.15E-04		COMB8	-0.0414	-0.0480	-0.0023	0.0001	-0.0006	0.0003
	0.82	VIENTO	8.78E-02	3.06E-04	-1.35E-04		COMB9	0.1354	0.1267	-0.0023	0.0009	-0.0005	0.0002
	0.00	ESPECTRO	7.93E-03	1.48E-04	6.47E-05		COMB10	0.0808	0.0742	-0.0017	0.0007	-0.0004	0.0002
	0.82	ESPECTRO	7.93E-03	1.48E-04	5.61E-05								
	0.00	DEAD	5.83E-02	-1.57E-03	-3.14E-04								
	0.81	DEAD	5.10E-02	8.15E-04	-1.14E-05		COMB1	0.1319	0.1217	-0.0022	0.0011	-0.0004	0.0000

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO AS-2 (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames

ELE.	Stat.	OutputCase	P	V2	M3
Text	m	Text	Ton	Ton	Ton-m
352	0.00	COBERT	1.83E-02	1.30E-04	5.02E-05
	0.81	COBERT	1.83E-02	1.30E-04	-5.48E-05
	0.00	CORREAS	1.76E-02	-1.33E-04	-5.25E-05
	0.81	CORREAS	1.76E-02	-1.33E-04	5.47E-05
	0.00	VIVA	7.33E-02	5.20E-04	2.01E-04
	0.81	VIVA	7.33E-02	5.20E-04	-2.19E-04
	0.00	VIENTO	1.06E-01	7.51E-04	2.90E-04
	0.81	VIENTO	1.06E-01	7.51E-04	-3.16E-04
	0.00	ESPECTRO	8.55E-03	1.00E-04	4.45E-05
	0.81	ESPECTRO	8.55E-03	1.00E-04	3.69E-05
353	0.00	DEAD	7.12E-02	-1.20E-03	-2.09E-04
	0.80	DEAD	6.40E-02	8.91E-04	-8.43E-05
	0.00	COBERT	1.99E-02	1.98E-04	7.65E-05
	0.80	COBERT	1.99E-02	1.98E-04	-8.14E-05
	0.00	CORREAS	3.40E-02	-4.40E-05	-1.86E-05
	0.80	CORREAS	3.40E-02	-4.40E-05	1.64E-05
	0.00	VIVA	7.95E-02	7.93E-04	3.06E-04
	0.80	VIVA	7.95E-02	7.93E-04	-3.26E-04
	0.00	VIENTO	1.15E-01	1.15E-03	4.42E-04
	0.80	VIENTO	1.15E-01	1.15E-03	-4.70E-04
	0.00	ESPECTRO	1.16E-02	6.96E-05	2.93E-05
	0.80	ESPECTRO	1.16E-02	6.96E-05	2.71E-05
354	0.00	DEAD	8.12E-02	-8.46E-04	-1.08E-04
	0.78	DEAD	7.39E-02	9.65E-04	-1.54E-04
	0.00	COBERT	2.01E-02	2.43E-04	9.29E-05
	0.78	COBERT	2.01E-02	2.43E-04	-9.78E-05
	0.00	CORREAS	2.63E-02	4.65E-05	1.92E-05
	0.78	CORREAS	2.63E-02	4.65E-05	-1.73E-05
	0.00	VIVA	8.03E-02	9.72E-04	3.72E-04
	0.78	VIVA	8.03E-02	9.72E-04	-3.91E-04
	0.00	VIENTO	1.16E-01	1.40E-03	5.37E-04
	0.78	VIENTO	1.16E-01	1.40E-03	-5.65E-04
	0.00	ESPECTRO	1.57E-02	8.76E-05	3.13E-05
	0.78	ESPECTRO	1.57E-02	8.76E-05	3.81E-05
355	0.00	DEAD	8.72E-02	-5.15E-04	-1.59E-05
	0.77	DEAD	8.00E-02	1.02E-03	-2.10E-04
	0.00	COBERT	1.97E-02	2.70E-04	1.02E-04
	0.77	COBERT	1.97E-02	2.70E-04	-1.06E-04
	0.00	CORREAS	3.96E-02	1.20E-04	4.62E-05
	0.77	CORREAS	3.96E-02	1.20E-04	-4.65E-05
	0.00	VIVA	7.87E-02	1.08E-03	4.09E-04
	0.77	VIVA	7.87E-02	1.08E-03	-4.25E-04
	0.00	VIENTO	1.14E-01	1.56E-03	5.91E-04
	0.77	VIENTO	1.14E-01	1.56E-03	-6.14E-04
	0.00	ESPECTRO	1.99E-02	1.42E-04	5.06E-05
	0.77	ESPECTRO	1.99E-02	1.42E-04	5.93E-05
356	0.00	DEAD	8.97E-02	-1.40E-04	7.19E-05
	0.76	DEAD	8.25E-02	1.12E-03	-3.02E-04
	0.00	COBERT	1.88E-02	3.21E-04	1.17E-04
	0.76	COBERT	1.88E-02	3.21E-04	-1.28E-04
	0.00	CORREAS	2.83E-02	2.19E-04	7.77E-05
	0.76	CORREAS	2.83E-02	2.19E-04	-8.89E-05
	0.00	VIVA	7.52E-02	1.28E-03	4.68E-04
	0.76	VIVA	7.52E-02	1.28E-03	-5.10E-04
	0.00	VIENTO	1.09E-01	1.86E-03	6.76E-04
	0.76	VIENTO	1.09E-01	1.86E-03	-7.37E-04
	0.00	ESPECTRO	2.42E-02	2.30E-04	7.74E-05
	0.76	ESPECTRO	2.42E-02	2.30E-04	9.77E-05
357	0.00	DEAD	8.59E-02	2.68E-04	1.39E-04
	0.75	DEAD	8.23E-02	7.76E-04	-2.52E-04
	0.00	COBERT	1.45E-02	2.80E-04	1.02E-04
	0.75	COBERT	1.45E-02	2.80E-04	-1.08E-04
	0.00	CORREAS	3.72E-02	2.06E-04	7.46E-05
	0.75	CORREAS	3.72E-02	2.06E-04	-7.99E-05
	0.00	VIVA	5.82E-02	1.12E-03	4.08E-04
	0.75	VIVA	5.82E-02	1.12E-03	-4.31E-04
	0.00	VIENTO	8.40E-02	1.62E-03	5.89E-04
	0.75	VIENTO	8.40E-02	1.62E-03	-6.23E-04
	0.00	ESPECTRO	2.77E-02	2.34E-04	8.11E-05
	0.75	ESPECTRO	2.77E-02	2.34E-04	9.39E-05
358	0.00	DEAD	8.28E-02	4.44E-04	1.94E-04
	0.74	DEAD	7.93E-02	8.19E-04	-2.71E-04
	0.00	COBERT	4.55E-03	2.66E-04	9.78E-05
	0.74	COBERT	4.55E-03	2.66E-04	-9.84E-05
	0.00	CORREAS	2.18E-02	2.23E-04	8.47E-05
	0.74	CORREAS	2.18E-02	2.23E-04	-7.98E-05
	0.00	VIVA	1.82E-02	1.06E-03	3.91E-04
	0.74	VIVA	1.82E-02	1.06E-03	-3.93E-04

ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
352	COMB2	0.2304	0.2217	-0.0010	0.0018	-0.0001	-0.0004
	COMB3	0.2875	0.2787	-0.0006	0.0022	0.0001	-0.0005
	COMB4	0.0120	0.0032	-0.0026	0.0003	-0.0007	0.0003
	COMB5	0.1978	0.1891	-0.0013	0.0016	-0.0001	-0.0003
	COMB6	0.0283	0.0196	-0.0025	0.0004	-0.0006	0.0002
	COMB7	0.2225	0.2420	-0.0004	0.0020	0.0001	-0.0004
	COMB8	-0.0529	-0.0595	-0.0024	-0.0002	-0.0007	0.0004
	COMB9	0.1583	0.1495	-0.0015	0.0013	-0.0002	-0.0001
	COMB10	0.0934	0.0868	-0.0013	0.0008	-0.0002	0.0000
353							
	COMB1	0.1752	0.1650	-0.0015	0.0015	-0.0002	-0.0002
	COMB2	0.2774	0.2687	0.0000	0.0025	0.0003	-0.0007
	COMB3	0.3393	0.3305	0.0006	0.0031	0.0005	-0.0010
	COMB4	0.0405	0.0318	-0.0024	0.0002	-0.0006	0.0003
	COMB5	0.2421	0.2333	-0.0003	0.0022	0.0002	-0.0006
	COMB6	0.0582	0.0495	-0.0022	0.0003	-0.0005	0.0002
	COMB7	0.2620	0.2908	0.0005	0.0027	0.0004	-0.0008
	COMB8	-0.0368	-0.0433	-0.0024	-0.0005	-0.0007	0.0005
	COMB9	0.2015	0.1928	-0.0008	0.0017	0.0000	-0.0003
	COMB10	0.1242	0.1176	-0.0009	0.0010	-0.0001	-0.0001
354							
	COMB1	0.1785	0.1684	-0.0008	0.0018	0.0000	-0.0004
	COMB2	0.2815	0.2728	0.0009	0.0031	0.0006	-0.0009
	COMB3	0.3440	0.3353	0.0016	0.0038	0.0009	-0.0013
	COMB4	0.0423	0.0337	-0.0020	0.0002	-0.0005	0.0002
	COMB5	0.2458	0.2371	0.0005	0.0026	0.0004	-0.0008
	COMB6	0.0602	0.0515	-0.0018	0.0004	-0.0004	0.0001
	COMB7	0.2656	0.2952	0.0013	0.0033	0.0007	-0.0011
	COMB8	-0.0361	-0.0426	-0.0023	-0.0007	-0.0007	0.0005
	COMB9	0.2088	0.2002	-0.0001	0.0021	0.0002	-0.0005
	COMB10	0.1304	0.1239	-0.0004	0.0012	0.0000	-0.0002
355							
	COMB1	0.2052	0.1951	-0.0002	0.0020	0.0002	-0.0005
	COMB2	0.3017	0.2931	0.0016	0.0034	0.0008	-0.0011
	COMB3	0.3629	0.3543	0.0024	0.0043	0.0011	-0.0014
	COMB4	0.0675	0.0588	-0.0016	0.0002	-0.0004	0.0002
	COMB5	0.2668	0.2581	0.0011	0.0029	0.0006	-0.0009
	COMB6	0.0849	0.0763	-0.0014	0.0004	-0.0003	0.0001
	COMB7	0.2796	0.3150	0.0019	0.0037	0.0009	-0.0012
	COMB8	-0.0158	-0.0223	-0.0021	-0.0008	-0.0006	0.0005
	COMB9	0.2351	0.2265	0.0005	0.0024	0.0004	-0.0006
	COMB10	0.1518	0.1453	0.0000	0.0014	0.0002	-0.0003
356							
	COMB1	0.1915	0.1815	0.0006	0.0023	0.0004	-0.0007
	COMB2	0.2846	0.2760	0.0025	0.0040	0.0011	-0.0014
	COMB3	0.3431	0.3345	0.0035	0.0050	0.0014	-0.0018
	COMB4	0.0605	0.0519	-0.0013	0.0002	-0.0003	0.0001
	COMB5	0.2511	0.2426	0.0020	0.0035	0.0009	-0.0012
	COMB6	0.0772	0.0687	-0.0010	0.0005	-0.0002	0.0000
	COMB7	0.2644	0.2969	0.0028	0.0044	0.0011	-0.0016
	COMB8	-0.0182	-0.0246	-0.0021	-0.0009	-0.0006	0.0005
	COMB9	0.2260	0.2175	0.0014	0.0029	0.0006	-0.0008
	COMB10	0.1474	0.1409	0.0006	0.0017	0.0003	-0.0004
357							
	COMB1	0.1926	0.1876	0.0011	0.0018	0.0004	-0.0006
	COMB2	0.2582	0.2539	0.0027	0.0033	0.0010	-0.0012
	COMB3	0.3035	0.2991	0.0036	0.0042	0.0013	-0.0016
	COMB4	0.0850	0.0806	-0.0006	0.0000	-0.0002	0.0001
	COMB5	0.2324	0.2280	0.0022	0.0028	0.0008	-0.0010
	COMB6	0.0979	0.0936	-0.0004	0.0002	-0.0001	0.0000
	COMB7	0.2331	0.2700	0.0028	0.0036	0.0010	-0.0013
	COMB8	0.0146	0.0114	-0.0014	-0.0010	-0.0005	0.0004
	COMB9	0.2219	0.2176	0.0017	0.0023	0.0007	-0.0006
	COMB10	0.1515	0.1483	0.0009	0.0014	0.0004	-0.0003
358							
	COMB1	0.1528	0.1478	0.0013	0.0018	0.0005	-0.0006
	COMB2	0.1601	0.1558	0.0028	0.0033	0.0011	-0.0012
	COMB3	0.1743	0.1700	0.0037	0.0041	0.0014	-0.0015
	COMB4	0.1059	0.1016	-0.0003	0.0001	-0.0001	0.0000
	COMB5	0.1520	0.1478	0.0024	0.0028	0.0009	-0.0010
	COMB6	0.1100	0.1057	-0.0001	0.0003	0.0000	-0.0001
	COMB7	0.1324	0.1609	0.0028	0.0036	0.0011	-0.0013

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO AS-2 (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames

ELE.	Stat.	OutputCase	P	V2	M3	ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
Text	m	Text	Ton	Ton	Ton-m								
	0.00	VIENTO	2.63E-02	1.54E-03	5.65E-04		COMB8	0.0641	0.0609	-0.0012	-0.0008	-0.0004	0.0003
	0.74	VIENTO	2.63E-02	1.54E-03	-5.68E-04		COMB9	0.1713	0.1670	0.0019	0.0024	0.0008	-0.0006
	0.00	ESPECTRO	3.12E-02	2.94E-04	1.05E-04		COMB10	0.1294	0.1262	0.0011	0.0015	0.0004	-0.0003
	0.74	ESPECTRO	3.12E-02	2.94E-04	1.11E-04								
	0.00	DEAD	7.49E-02	4.84E-04	1.90E-04								
	0.72	DEAD	7.14E-02	7.30E-04	-2.50E-04		COMB1	0.1317	0.1267	0.0010	0.0014	0.0004	-0.0005
	0.00	COBERT	-7.79E-03	9.02E-05	3.60E-05		COMB2	0.0630	0.0588	0.0015	0.0018	0.0006	-0.0006
	0.72	COBERT	-7.79E-03	9.02E-05	-2.94E-05		COMB3	0.0388	0.0346	0.0018	0.0020	0.0007	-0.0007
	0.00	CORREAS	2.70E-02	1.70E-04	6.31E-05		COMB4	0.1558	0.1516	0.0004	0.0007	0.0001	-0.0002
	0.72	CORREAS	2.70E-02	1.70E-04	-6.01E-05		COMB5	0.0769	0.0726	0.0013	0.0016	0.0005	-0.0005
359	0.00	VIVA	-3.11E-02	3.61E-04	1.44E-04	359	COMB6	0.1489	0.1446	0.0005	0.0008	0.0002	-0.0003
	0.72	VIVA	-3.11E-02	3.61E-04	-1.18E-04		COMB7	0.0262	0.0502	0.0013	0.0019	0.0005	-0.0006
	0.00	VIENTO	-4.50E-02	5.21E-04	2.08E-04		COMB8	0.1431	0.1400	0.0000	0.0002	0.0000	-0.0001
	0.72	VIENTO	-4.50E-02	5.21E-04	-1.70E-04		COMB9	0.1313	0.1271	0.0014	0.0017	0.0005	-0.0003
	0.00	ESPECTRO	3.40E-02	3.64E-04	1.27E-04		COMB10	0.1186	0.1155	0.0010	0.0013	0.0004	-0.0002
	0.72	ESPECTRO	3.40E-02	3.64E-04	1.37E-04								
	0.00	DEAD	6.52E-02	5.91E-04	1.99E-04								
	0.71	DEAD	6.18E-02	7.12E-04	-2.65E-04		COMB1	0.0800	0.0751	0.0009	0.0010	0.0003	-0.0004
	0.00	COBERT	-1.58E-02	-1.47E-04	-5.66E-05		COMB2	-0.0323	-0.0364	-0.0002	0.0000	-0.0001	0.0000
	0.71	COBERT	-1.58E-02	-1.47E-04	4.84E-05		COMB3	-0.0813	-0.0855	-0.0006	-0.0005	-0.0003	0.0001
	0.00	CORREAS	7.63E-03	1.84E-04	7.24E-05		COMB4	0.1554	0.1512	0.0016	0.0017	0.0006	-0.0006
360	0.71	CORREAS	7.63E-03	1.84E-04	-5.84E-05	360	COMB5	-0.0043	-0.0084	0.0001	0.0002	0.0000	-0.0001
	0.00	VIVA	-6.30E-02	-5.90E-04	-2.26E-04		COMB6	0.1414	0.1372	0.0014	0.0016	0.0005	-0.0006
	0.71	VIVA	-6.30E-02	-5.90E-04	1.94E-04		COMB7	-0.0669	-0.0539	-0.0005	-0.0002	-0.0002	0.0000
	0.00	VIENTO	-9.10E-02	-8.52E-04	-3.27E-04		COMB8	0.1697	0.1666	0.0017	0.0018	0.0006	-0.0006
	0.71	VIENTO	-9.10E-02	-8.52E-04	2.80E-04		COMB9	0.0741	0.0699	0.0007	0.0009	0.0002	-0.0001
	0.00	ESPECTRO	3.71E-02	2.83E-04	1.02E-04		COMB10	0.0885	0.0854	0.0008	0.0010	0.0003	-0.0001
	0.71	ESPECTRO	3.71E-02	2.83E-04	9.99E-05								
	0.00	DEAD	2.31E-03	-5.91E-03	-1.47E-03								
	0.95	DEAD	-3.27E-03	1.26E-03	7.55E-04		COMB1	-0.0141	-0.0219	-0.0100	0.0001	-0.0028	0.0019
	0.00	COBERT	-1.37E-02	-4.68E-04	-2.07E-04		COMB2	-0.0996	-0.1063	-0.0115	-0.0029	-0.0037	0.0032
	0.95	COBERT	-1.37E-02	-4.68E-04	2.40E-04		COMB3	-0.1422	-0.1489	-0.0130	-0.0044	-0.0044	0.0039
	0.00	CORREAS	1.33E-03	-7.31E-04	-3.10E-04		COMB4	0.0634	0.0567	-0.0060	0.0026	-0.0012	0.0003
2011	0.95	CORREAS	1.33E-03	-7.31E-04	3.87E-04	2011	COMB5	-0.0753	-0.0820	-0.0107	-0.0021	-0.0033	0.0028
	0.00	VIVA	-5.47E-02	-1.87E-03	-8.29E-04		COMB6	0.0512	0.0445	-0.0064	0.0022	-0.0014	0.0006
	0.95	VIVA	-5.47E-02	-1.87E-03	9.59E-04		COMB7	-0.1118	-0.1215	-0.0099	-0.0035	-0.0033	0.0035
	0.00	VIENTO	-7.91E-02	-2.71E-03	-1.20E-03		COMB8	0.0937	0.0887	-0.0029	0.0036	-0.0002	-0.0006
	0.95	VIENTO	-7.91E-02	-2.71E-03	1.39E-03		COMB9	-0.0382	-0.0449	-0.0092	-0.0006	-0.0027	0.0023
	0.00	ESPECTRO	1.17E-03	2.73E-04	1.14E-04		COMB10	-0.0079	-0.0129	-0.0061	0.0003	-0.0017	0.0014
	0.95	ESPECTRO	1.17E-03	2.73E-04	1.46E-04								
	0.00	DEAD	-2.97E-01	-6.94E-03	-2.06E-03								
	0.95	DEAD	-3.03E-01	-1.32E-05	1.23E-03		COMB1	-0.7183	-0.7264	-0.0132	-0.0035	-0.0045	0.0034
	0.00	COBERT	-8.89E-02	-9.93E-04	-4.59E-04		COMB2	-1.1845	-1.1915	-0.0177	-0.0094	-0.0068	0.0060
	0.95	COBERT	-8.89E-02	-9.93E-04	4.83E-04		COMB3	-1.4611	-1.4681	-0.0208	-0.0124	-0.0082	0.0075
	0.00	CORREAS	-1.27E-01	-1.49E-03	-6.82E-04		COMB4	-0.1258	-0.1327	-0.0058	0.0025	-0.0013	0.0003
2012	0.95	CORREAS	-1.27E-01	-1.49E-03	7.32E-04	2012	COMB5	-1.0266	-1.0335	-0.0159	-0.0076	-0.0060	0.0052
	0.00	VIVA	-3.56E-01	-3.97E-03	-1.84E-03		COMB6	-0.2048	-0.2118	-0.0067	0.0016	-0.0017	0.0007
	0.95	VIVA	-3.56E-01	-3.97E-03	1.93E-03		COMB7	-1.1295	-1.2903	-0.0159	-0.0105	-0.0063	0.0066
	0.00	VIENTO	-5.14E-01	-5.74E-03	-2.65E-03		COMB8	0.2059	0.2007	-0.0010	0.0052	0.0006	-0.0014
	0.95	VIENTO	-5.14E-01	-5.74E-03	2.79E-03		COMB9	-0.7449	-0.7518	-0.0128	-0.0044	-0.0045	0.0042
	0.00	ESPECTRO	4.86E-02	5.37E-04	2.44E-04		COMB10	-0.4132	-0.4184	-0.0079	-0.0017	-0.0026	0.0025
	0.95	ESPECTRO	4.86E-02	5.37E-04	2.65E-04								
	0.00	DEAD	-2.82E-01	-6.91E-03	-2.14E-03								
	0.94	DEAD	-2.88E-01	-2.29E-04	1.22E-03		COMB1	-0.6685	-0.6769	-0.0131	-0.0037	-0.0046	0.0033
	0.00	COBERT	-8.26E-02	-9.68E-04	-4.61E-04		COMB2	-1.1015	-1.1086	-0.0174	-0.0094	-0.0069	0.0057
	0.94	COBERT	-8.26E-02	-9.68E-04	4.52E-04		COMB3	-1.3585	-1.3656	-0.0204	-0.0124	-0.0083	0.0071
	0.00	CORREAS	-1.13E-01	-1.46E-03	-6.90E-04		COMB4	-0.1178	-0.1250	-0.0059	0.0021	-0.0014	0.0003
2013	0.94	CORREAS	-1.13E-01	-1.46E-03	6.88E-04	2013	COMB5	-0.9547	-0.9619	-0.0157	-0.0077	-0.0061	0.0049
	0.00	VIVA	-3.30E-01	-3.87E-03	-1.84E-03		COMB6	-0.1912	-0.1984	-0.0067	0.0013	-0.0018	0.0007
	0.94	VIVA	-3.30E-01	-3.87E-03	1.81E-03		COMB7	-1.0501	-1.2005	-0.0157	-0.0105	-0.0064	0.0062
	0.00	VIENTO	-4.77E-01	-5.59E-03	-2.66E-03		COMB8	0.1906	0.1852	-0.0011	0.0049	0.0005	-0.0013
	0.94	VIENTO	-4.77E-01	-5.59E-03	2.61E-03		COMB9	-0.6920	-0.6992	-0.0126	-0.0046	-0.0046	0.0040
	0.00	ESPECTRO	4.61E-02	5.27E-04	2.48E-04		COMB10	-0.3836	-0.3890	-0.0079	-0.0019	-0.0027	0.0024
	0.94	ESPECTRO	4.61E-02	5.27E-04	2.48E-04								
	0.00	DEAD	-2.63E-01	-6.65E-03	-2.04E-03								
	0.94	DEAD	-2.69E-01	-2.35E-04	1.18E-03		COMB1	-0.6307	-0.6393	-0.0126	-0.0036	-0.0044	0.0032
	0.00	COBERT	-7.51E-02	-9.16E-04	-4.33E-04		COMB2	-1.0213	-1.0287	-0.0166	-0.0089	-0.0065	0.0054
	0.94	COBERT	-7.51E-02	-9.16E-04	4.24E-04		COMB3	-1.2551	-1.2625	-0.0195	-0.0118	-0.0079	0.0068
	0.00	CORREAS	-1.12E-01	-1.41E-03	-6.59E-04		COMB4	-0.1265	-0.1339	-0.0057	0.0020	-0.0014	0.0004
2014	0.94	CORREAS	-1.12E-01	-1.41E-03	6.60E-04	2014	COMB5	-0.8878	-0.8952	-0.0150	-0.0073	-0.0058	0.0047
	0.00	VIVA	-3.00E-01	-3.66E-03	-1.73E-03		COMB6	-0.1933	-0.2007	-0.0065	0.0012	-0.0018	0.0008
	0.94	VIVA	-3.00E-01	-3.66E-03	1.70E-03		COMB7	-0.9697	-1.1123	-0.0150	-0.0100	-0.0061	0.0059
	0.00	VIENTO	-4.34E-01	-5.29E-03	-2.50E-03		COMB8	0.1589	0.1533	-0.0012	0.0046	0.0004	-0.0012
	0.94	VIENTO	-4.34E-01	-5.29E-03	2.45E-03		COMB9	-0.6478	-0.6552	-0.0121	-0.0044	-0.0044	0.0038
	0.00	ESPECTRO	4.30E-02	5.04E-04	2.35E-04		COMB10	-0.3624	-0.3680	-0.0076	-0.0018	-0.0026	0.0023
	0.94	ESPECTRO	4.30E-02	5.04E-04	2.37E-04								
	0.00	DEAD	-2.42E-01	-6.40E-03	-1.96E-03								
	0.93	DEAD	-2.49E-01	-2.45E-04	1.12E-03		COMB1	-0.5665	-0.5754	-0.0120	-0.0034	-0.0042	0.0030

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO AS-2 (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames													
ELE.	Stat.	OutputCase	P	V2	M3	ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
Text	m	Text	Ton	Ton	Ton-m								
2015	0.00	COBERT	-6.80E-02	-8.52E-04	-4.02E-04	2015	COMB2	-0.9210	-0.9286	-0.0158	-0.0084	-0.0062	0.0051
	0.93	COBERT	-6.80E-02	-8.52E-04	3.90E-04		COMB3	-1.1327	-1.1404	-0.0184	-0.0110	-0.0074	0.0063
	0.00	CORREAS	-9.41E-02	-1.35E-03	-6.28E-04		COMB4	-0.1105	-0.1182	-0.0056	0.0018	-0.0014	0.0004
	0.93	CORREAS	-9.41E-02	-1.35E-03	6.24E-04		COMB5	-0.8001	-0.8077	-0.0143	-0.0069	-0.0054	0.0044
	0.00	VIVA	-2.72E-01	-3.41E-03	-1.61E-03		COMB6	-0.1710	-0.1787	-0.0064	0.0010	-0.0017	0.0008
	0.93	VIVA	-2.72E-01	-3.41E-03	1.56E-03		COMB7	-0.8753	-1.0043	-0.0141	-0.0093	-0.0057	0.0055
	0.00	VIENTO	-3.93E-01	-4.92E-03	-2.32E-03		COMB8	0.1469	0.1412	-0.0013	0.0042	0.0003	-0.0010
	0.93	VIENTO	-3.93E-01	-4.92E-03	2.25E-03		COMB9	-0.5819	-0.5895	-0.0115	-0.0042	-0.0042	0.0036
	0.00	ESPECTRO	3.97E-02	4.80E-04	2.23E-04		COMB10	-0.3245	-0.3302	-0.0073	-0.0017	-0.0025	0.0021
	0.93	ESPECTRO	3.97E-02	4.80E-04	2.23E-04								
2016	0.00	DEAD	-2.19E-01	-6.13E-03	-1.87E-03	2016							
	0.92	DEAD	-2.26E-01	-2.50E-04	1.07E-03		COMB1	-0.5203	-0.5294	-0.0115	-0.0033	-0.0040	0.0028
	0.00	COBERT	-6.03E-02	-7.96E-04	-3.74E-04		COMB2	-0.8317	-0.8395	-0.0149	-0.0079	-0.0058	0.0047
	0.92	COBERT	-6.03E-02	-7.96E-04	3.60E-04		COMB3	-1.0192	-1.0271	-0.0174	-0.0104	-0.0070	0.0058
	0.00	CORREAS	-9.21E-02	-1.28E-03	-5.92E-04		COMB4	-0.1137	-0.1215	-0.0055	0.0016	-0.0013	0.0004
	0.92	CORREAS	-9.21E-02	-1.28E-03	5.86E-04		COMB5	-0.7246	-0.7324	-0.0135	-0.0065	-0.0051	0.0041
	0.00	VIVA	-2.41E-01	-3.19E-03	-1.50E-03		COMB6	-0.1673	-0.1751	-0.0062	0.0009	-0.0017	0.0008
	0.92	VIVA	-2.41E-01	-3.19E-03	1.44E-03		COMB7	-0.7872	-0.9065	-0.0134	-0.0088	-0.0054	0.0051
	0.00	VIENTO	-3.48E-01	-4.60E-03	-2.16E-03		COMB8	0.1183	0.1124	-0.0014	0.0039	0.0003	-0.0009
	0.92	VIENTO	-3.48E-01	-4.60E-03	2.08E-03		COMB9	-0.5304	-0.5382	-0.0110	-0.0039	-0.0039	0.0033
	0.00	ESPECTRO	3.61E-02	4.59E-04	2.11E-04		COMB10	-0.2984	-0.3042	-0.0069	-0.0016	-0.0023	0.0020
	0.92	ESPECTRO	3.61E-02	4.59E-04	2.11E-04								
2017	0.00	DEAD	-1.94E-01	-5.74E-03	-1.74E-03	2017							
	0.91	DEAD	-2.00E-01	-1.44E-04	9.53E-04		COMB1	-0.4429	-0.4522	-0.0107	-0.0028	-0.0037	0.0025
	0.00	COBERT	-5.14E-02	-7.19E-04	-3.38E-04		COMB2	-0.7086	-0.7165	-0.0138	-0.0070	-0.0053	0.0042
	0.91	COBERT	-5.14E-02	-7.19E-04	3.18E-04		COMB3	-0.8685	-0.8765	-0.0160	-0.0093	-0.0064	0.0052
	0.00	CORREAS	-7.13E-02	-1.17E-03	-5.42E-04		COMB4	-0.0963	-0.1043	-0.0052	0.0015	-0.0013	0.0004
	0.91	CORREAS	-7.13E-02	-1.17E-03	5.27E-04		COMB5	-0.6172	-0.6252	-0.0125	-0.0058	-0.0047	0.0036
	0.00	VIVA	-2.06E-01	-2.87E-03	-1.35E-03		COMB6	-0.1420	-0.1500	-0.0058	0.0009	-0.0016	0.0007
	0.91	VIVA	-2.06E-01	-2.87E-03	1.27E-03		COMB7	-0.6708	-0.7737	-0.0123	-0.0078	-0.0049	0.0045
	0.00	VIENTO	-2.97E-01	-4.15E-03	-1.95E-03		COMB8	0.1014	0.0954	-0.0015	0.0036	0.0002	-0.0008
	0.91	VIENTO	-2.97E-01	-4.15E-03	1.84E-03		COMB9	-0.4503	-0.4583	-0.0102	-0.0035	-0.0036	0.0030
	0.00	ESPECTRO	3.21E-02	4.18E-04	1.93E-04		COMB10	-0.2526	-0.2586	-0.0065	-0.0014	-0.0022	0.0018
	0.91	ESPECTRO	3.21E-02	4.18E-04	1.90E-04								
2018	0.00	DEAD	-1.65E-01	-5.87E-03	-1.81E-03	2018							
	0.91	DEAD	-1.72E-01	-5.53E-04	1.10E-03		COMB1	-0.3828	-0.3923	-0.0110	-0.0036	-0.0038	0.0028
	0.00	COBERT	-4.14E-02	-7.37E-04	-3.39E-04		COMB2	-0.5928	-0.6010	-0.0141	-0.0078	-0.0054	0.0045
	0.91	COBERT	-4.14E-02	-7.37E-04	3.29E-04		COMB3	-0.7216	-0.7297	-0.0164	-0.0101	-0.0065	0.0055
	0.00	CORREAS	-6.73E-02	-1.25E-03	-5.66E-04		COMB4	-0.1001	-0.1082	-0.0054	0.0010	-0.0014	0.0006
	0.91	CORREAS	-6.73E-02	-1.25E-03	5.65E-04		COMB5	-0.5193	-0.5275	-0.0128	-0.0065	-0.0048	0.0039
	0.00	VIVA	-1.65E-01	-2.95E-03	-1.36E-03		COMB6	-0.1369	-0.1450	-0.0060	0.0004	-0.0017	0.0009
	0.91	VIVA	-1.65E-01	-2.95E-03	1.31E-03		COMB7	-0.5568	-0.6470	-0.0126	-0.0086	-0.0050	0.0049
	0.00	VIENTO	-2.39E-01	-4.26E-03	-1.96E-03		COMB8	0.0647	0.0586	-0.0015	0.0033	0.0001	-0.0007
	0.91	VIENTO	-2.39E-01	-4.26E-03	1.90E-03		COMB9	-0.3833	-0.3914	-0.0104	-0.0040	-0.0037	0.0033
	0.00	ESPECTRO	2.75E-02	4.75E-04	2.13E-04		COMB10	-0.2185	-0.2246	-0.0066	-0.0018	-0.0022	0.0020
	0.91	ESPECTRO	2.75E-02	4.75E-04	2.17E-04								
2019	0.00	DEAD	-1.30E-01	-5.77E-03	-1.81E-03	2019							
	0.90	DEAD	-1.37E-01	-7.41E-04	1.11E-03		COMB1	-0.2861	-0.2957	-0.0107	-0.0036	-0.0037	0.0027
	0.00	COBERT	-3.06E-02	-6.62E-04	-3.03E-04		COMB2	-0.4412	-0.4495	-0.0134	-0.0073	-0.0051	0.0042
	0.90	COBERT	-3.06E-02	-6.62E-04	2.90E-04		COMB3	-0.5366	-0.5448	-0.0154	-0.0094	-0.0061	0.0051
	0.00	CORREAS	-4.38E-02	-1.19E-03	-5.36E-04		COMB4	-0.0764	-0.0846	-0.0055	0.0005	-0.0015	0.0007
	0.90	CORREAS	-4.38E-02	-1.19E-03	5.27E-04		COMB5	-0.3868	-0.3951	-0.0122	-0.0062	-0.0046	0.0037
	0.00	VIVA	-1.23E-01	-2.65E-03	-1.21E-03		COMB6	-0.1036	-0.1119	-0.0061	0.0000	-0.0018	0.0010
	0.90	VIVA	-1.23E-01	-2.65E-03	1.16E-03		COMB7	-0.4140	-0.4836	-0.0118	-0.0081	-0.0047	0.0045
	0.00	VIENTO	-1.77E-01	-3.82E-03	-1.75E-03		COMB8	0.0462	0.0400	-0.0019	0.0026	-0.0001	-0.0004
	0.90	VIENTO	-1.77E-01	-3.82E-03	1.68E-03		COMB9	-0.2839	-0.2922	-0.0100	-0.0039	-0.0036	0.0031
	0.00	ESPECTRO	2.25E-02	5.03E-04	2.26E-04		COMB10	-0.1614	-0.1676	-0.0064	-0.0018	-0.0022	0.0020
	0.90	ESPECTRO	2.25E-02	5.03E-04	2.26E-04								
2020	0.00	DEAD	-9.52E-02	-4.98E-03	-1.49E-03	2020							
	0.89	DEAD	-1.02E-01	-2.44E-04	8.33E-04		COMB1	-0.2161	-0.2259	-0.0089	-0.0023	-0.0030	0.0020
	0.00	COBERT	-1.97E-02	-4.68E-04	-2.16E-04		COMB2	-0.3114	-0.3198	-0.0107	-0.0050	-0.0039	0.0030
	0.89	COBERT	-1.97E-02	-4.68E-04	2.00E-04		COMB3	-0.3727	-0.3811	-0.0121	-0.0064	-0.0046	0.0036
	0.00	CORREAS	-3.95E-02	-9.35E-04	-4.20E-04		COMB4	-0.0766	-0.0851	-0.0051	0.0006	-0.0014	0.0006
	0.89	CORREAS	-3.95E-02	-9.35E-04	4.11E-04		COMB5	-0.2764	-0.2848	-0.0098	-0.0041	-0.0035	0.0027
	0.00	VIVA	-7.88E-02	-1.87E-03	-8.64E-04		COMB6	-0.0942	-0.1026	-0.0055	0.0002	-0.0015	0.0008
	0.89	VIVA	-7.88E-02	-1.87E-03	7.99E-04		COMB7	-0.2870	-0.3417	-0.0093	-0.0055	-0.0035	0.0032
	0.00	VIENTO	-1.14E-01	-2.70E-03	-1.25E-03		COMB8	0.0091	0.0028	-0.0022	0.0020	-0.0003	-0.0002
	0.89	VIENTO	-1.14E-01	-2.70E-03	1.15E-03		COMB9	-0.2071	-0.2155	-0.0082	-0.0025	-0.0028	0.0023
	0.00	ESPECTRO	1.76E-02	4.10E-04	1.82E-04		COMB10	-0.1214	-0.1277	-0.0053	-0.0011	-0.0017	0.0015
	0.89	ESPECTRO	1.76E-02	4.10E-04	1.82E-04								
2021	0.00	DEAD	-5.89E-02	-4.25E-03	-1.20E-03	2021							
	0.88	DEAD	-6.60E-02	1.91E-04	5.81E-04		COMB1	-0.1152	-0.1251	-0.0073	-0.0011	-0.0023	0.0014
	0.00	COBERT	-8.41E-03	-2.76E-04	-1.31E-04		COMB2	-0.1525	-0.1610	-0.0080	-0.0027	-0.0028	0.0019
	0.88	COBERT	-8.41E-03	-2.76E-04	1.12E-04		COMB3	-0.1787	-0.1872	-0.0089	-0.0036	-0.0032	0.0023
	0.00	CORREAS	-1.50E-02	-7.00E-04	-3.16E-04		COMB4	-0.0524	-0.0609	-0.0048	0.0006	-0.0013	0.0006
	0.88	CORREAS	-1.50E-02	-7.00E-04	2.99E-04		COMB5	-0.1376	-0.1461	-0.0076	-0.0022	-0.0026	0.0017
	0.00	VIVA	-3.36E-02	-1.11E-03	-5.25E-04		COMB6	-0.0599	-0.0684	-0.0050	0.0003	-0.0014	0.0007
	0.88	VIVA	-3.36E-02	-1.11E-03	4.47E-04		COMB7	-0.1372	-0.1704	-0.0068	-0.0030	-0.0025	0.0020

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO AS-2 (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames

ELE.	Stat.	OutputCase	P	V2	M3	ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
Text	m	Text	Ton	Ton	Ton-m								
	0.00	VIENTO	-4.86E-02	-1.60E-03	-7.59E-04		COMB8	-0.0109	-0.0173	-0.0026	0.0014	-0.0005	0.0001
	0.88	VIENTO	-4.86E-02	-1.60E-03	6.46E-04		COMB9	-0.1031	-0.1116	-0.0065	-0.0012	-0.0021	0.0016
	0.00	ESPECTRO	1.24E-02	3.29E-04	1.45E-04		COMB10	-0.0616	-0.0680	-0.0044	-0.0004	-0.0013	0.0010
	0.88	ESPECTRO	1.24E-02	3.29E-04	1.44E-04								
	0.00	DEAD	-2.22E-02	-3.47E-03	-9.02E-04								
	0.87	DEAD	-2.94E-02	6.78E-04	3.12E-04		COMB1	-0.0421	-0.0521	-0.0056	0.0002	-0.0016	0.0007
	0.00	COBERT	2.85E-03	-7.02E-05	-4.19E-05		COMB2	-0.0179	-0.0265	-0.0052	-0.0003	-0.0016	0.0007
	0.87	COBERT	2.85E-03	-7.02E-05	1.92E-05		COMB3	-0.0090	-0.0176	-0.0054	-0.0005	-0.0018	0.0008
	0.00	CORREAS	-1.07E-02	-4.43E-04	-2.02E-04		COMB4	-0.0518	-0.0604	-0.0044	0.0006	-0.0011	0.0005
2022	0.87	CORREAS	-1.07E-02	-4.43E-04	1.84E-04	2022	COMB5	-0.0229	-0.0315	-0.0051	-0.0001	-0.0016	0.0007
	0.00	VIVA	1.14E-02	-2.81E-04	-1.68E-04		COMB6	-0.0492	-0.0578	-0.0045	0.0005	-0.0012	0.0005
	0.87	VIVA	1.14E-02	-2.81E-04	7.67E-05		COMB7	-0.0057	-0.0233	-0.0041	-0.0003	-0.0013	0.0008
	0.00	VIENTO	1.65E-02	-4.06E-04	-2.42E-04		COMB8	-0.0485	-0.0549	-0.0031	0.0007	-0.0007	0.0003
	0.87	VIENTO	1.65E-02	-4.06E-04	1.11E-04		COMB9	-0.0231	-0.0317	-0.0047	0.0003	-0.0014	0.0008
	0.00	ESPECTRO	7.30E-03	2.41E-04	1.06E-04		COMB10	-0.0198	-0.0262	-0.0033	0.0004	-0.0009	0.0006
	0.87	ESPECTRO	7.30E-03	2.41E-04	1.04E-04								
	0.00	DEAD	1.44E-02	-2.68E-03	-6.00E-04								
	0.86	DEAD	7.16E-03	1.18E-03	4.48E-05		COMB1	0.0591	0.0490	-0.0038	0.0016	-0.0009	0.0001
	0.00	COBERT	1.38E-02	1.34E-04	4.54E-05		COMB2	0.1390	0.1304	-0.0024	0.0022	-0.0005	-0.0004
	0.86	COBERT	1.38E-02	1.34E-04	-6.99E-05		COMB3	0.1820	0.1733	-0.0020	0.0026	-0.0003	-0.0006
	0.00	CORREAS	1.40E-02	-1.90E-04	-9.33E-05		COMB4	-0.0254	-0.0341	-0.0040	0.0006	-0.0010	0.0004
2023	0.86	CORREAS	1.40E-02	-1.90E-04	6.98E-05	2023	COMB5	0.1145	0.1058	-0.0027	0.0020	-0.0006	-0.0003
	0.00	VIVA	5.52E-02	5.36E-04	1.81E-04		COMB6	-0.0131	-0.0218	-0.0039	0.0007	-0.0010	0.0004
	0.86	VIVA	5.52E-02	5.36E-04	-2.80E-04		COMB7	0.1417	0.1457	-0.0015	0.0024	-0.0002	-0.0005
	0.00	VIENTO	7.98E-02	7.75E-04	2.62E-04		COMB8	-0.0657	-0.0722	-0.0035	0.0000	-0.0009	0.0006
	0.86	VIENTO	7.98E-02	7.75E-04	-4.04E-04		COMB9	0.0806	0.0719	-0.0029	0.0018	-0.0006	0.0000
	0.00	ESPECTRO	2.30E-03	1.58E-04	6.86E-05		COMB10	0.0403	0.0338	-0.0023	0.0012	-0.0005	0.0001
	0.86	ESPECTRO	2.30E-03	1.58E-04	6.75E-05								
	0.00	DEAD	5.01E-02	-1.77E-03	-2.62E-04								
	0.85	DEAD	4.28E-02	1.78E-03	-2.69E-04		COMB1	0.1282	0.1180	-0.0018	0.0032	-0.0001	-0.0007
	0.00	COBERT	2.43E-02	3.76E-04	1.45E-04		COMB2	0.2654	0.2567	0.0009	0.0051	0.0008	-0.0017
	0.85	COBERT	2.43E-02	3.76E-04	-1.75E-04		COMB3	0.3411	0.3324	0.0021	0.0063	0.0013	-0.0023
	0.00	CORREAS	1.72E-02	1.22E-04	3.79E-05		COMB4	-0.0241	-0.0329	-0.0036	0.0007	-0.0009	0.0004
2024	0.85	CORREAS	1.72E-02	1.22E-04	-6.57E-05	2024	COMB5	0.2222	0.2135	0.0002	0.0045	0.0006	-0.0014
	0.00	VIVA	9.72E-02	1.51E-03	5.79E-04		COMB6	-0.0025	-0.0112	-0.0033	0.0010	-0.0008	0.0002
	0.85	VIVA	9.72E-02	1.51E-03	-7.01E-04		COMB7	0.2650	0.2838	0.0017	0.0056	0.0010	-0.0019
	0.00	VIENTO	1.40E-01	2.18E-03	8.36E-04		COMB8	-0.1002	-0.1068	-0.0040	-0.0008	-0.0012	0.0009
	0.85	VIENTO	1.40E-01	2.18E-03	-1.01E-03		COMB9	0.1613	0.1526	-0.0007	0.0036	0.0002	-0.0009
	0.00	ESPECTRO	2.79E-03	9.47E-05	3.82E-05		COMB10	0.0852	0.0786	-0.0010	0.0021	0.0000	-0.0004
	0.85	ESPECTRO	2.79E-03	9.47E-05	4.30E-05								
	0.00	DEAD	8.57E-02	-1.46E-03	-1.68E-04								
	0.84	DEAD	7.84E-02	1.79E-03	-3.06E-04		COMB1	0.2274	0.2172	-0.0014	0.0032	0.0000	-0.0007
	0.00	COBERT	3.51E-02	3.59E-04	1.40E-04		COMB2	0.4197	0.4109	0.0011	0.0050	0.0009	-0.0017
	0.84	COBERT	3.51E-02	3.59E-04	-1.62E-04		COMB3	0.5290	0.5202	0.0022	0.0061	0.0013	-0.0022
	0.00	CORREAS	4.16E-02	1.01E-04	3.23E-05		COMB4	0.0013	-0.0074	-0.0032	0.0007	-0.0008	0.0003
2025	0.84	CORREAS	4.16E-02	1.01E-04	-5.22E-05	2025	COMB5	0.3573	0.3485	0.0005	0.0044	0.0007	-0.0014
	0.00	VIVA	1.40E-01	1.44E-03	5.59E-04		COMB6	0.0326	0.0238	-0.0029	0.0010	-0.0006	0.0001
	0.84	VIVA	1.40E-01	1.44E-03	-6.47E-04		COMB7	0.4100	0.4500	0.0018	0.0054	0.0011	-0.0018
	0.00	VIENTO	2.03E-01	2.08E-03	8.08E-04		COMB8	-0.1176	-0.1242	-0.0036	-0.0007	-0.0010	0.0007
	0.84	VIENTO	2.03E-01	2.08E-03	-9.35E-04		COMB9	0.2727	0.2639	-0.0004	0.0035	0.0003	-0.0009
	0.00	ESPECTRO	7.52E-03	7.86E-05	2.82E-05		COMB10	0.1537	0.1471	-0.0008	0.0021	0.0000	-0.0004
	0.84	ESPECTRO	7.52E-03	7.86E-05	3.81E-05								
	0.00	DEAD	1.16E-01	-1.49E-03	-2.47E-04								
	0.83	DEAD	1.09E-01	1.47E-03	-2.41E-04		COMB1	0.2884	0.2782	-0.0017	0.0025	-0.0002	-0.0006
	0.00	COBERT	4.60E-02	2.62E-04	8.83E-05		COMB2	0.5415	0.5327	0.0002	0.0038	0.0004	-0.0013
	0.83	COBERT	4.60E-02	2.62E-04	-1.29E-04		COMB3	0.6846	0.6758	0.0011	0.0046	0.0006	-0.0017
	0.00	CORREAS	4.37E-02	3.61E-05	-3.81E-06		COMB4	-0.0062	-0.0150	-0.0029	0.0007	-0.0007	0.0002
2026	0.83	CORREAS	4.37E-02	3.61E-05	-3.37E-05	2026	COMB5	0.4598	0.4510	-0.0002	0.0033	0.0002	-0.0011
	0.00	VIVA	1.84E-01	1.05E-03	3.53E-04		COMB6	0.0347	0.0259	-0.0026	0.0009	-0.0006	0.0001
	0.83	VIVA	1.84E-01	1.05E-03	-5.14E-04		COMB7	0.5309	0.5839	0.0009	0.0041	0.0005	-0.0015
	0.00	VIENTO	2.66E-01	1.51E-03	5.10E-04		COMB8	-0.1600	-0.1666	-0.0030	-0.0004	-0.0008	0.0006
	0.83	VIENTO	2.66E-01	1.51E-03	-7.43E-04		COMB9	0.3512	0.3424	-0.0009	0.0027	0.0000	-0.0007
	0.00	ESPECTRO	1.20E-02	5.39E-05	1.61E-05		COMB10	0.1974	0.1908	-0.0010	0.0016	-0.0001	-0.0003
	0.83	ESPECTRO	1.20E-02	5.39E-05	2.99E-05								
	0.00	DEAD	1.43E-01	-8.67E-04	-2.82E-05								
	0.82	DEAD	1.36E-01	1.80E-03	-4.11E-04		COMB1	0.3708	0.3606	-0.0002	0.0035	0.0003	-0.0010
	0.00	COBERT	5.54E-02	4.54E-04	1.68E-04		COMB2	0.6723	0.6636	0.0027	0.0059	0.0013	-0.0022
	0.82	COBERT	5.54E-02	4.54E-04	-2.04E-04		COMB3	0.8447	0.8359	0.0041	0.0073	0.0019	-0.0028
	0.00	CORREAS	6.61E-02	2.36E-04	7.88E-05		COMB4	0.0125	0.0037	-0.0027	0.0005	-0.0007	0.0002
2027	0.82	CORREAS	6.61E-02	2.36E-04	-1.15E-04	2027	COMB5	0.5739	0.5651	0.0019	0.0051	0.0010	-0.0018
	0.00	VIVA	2.22E-01	1.82E-03	6.71E-04		COMB6	0.0618	0.0530	-0.0023	0.0009	-0.0005	0.0001
	0.82	VIVA	2.22E-01	1.82E-03	-8.14E-04		COMB7	0.6545	0.7252	0.0033	0.0064	0.0015	-0.0024
	0.00	VIENTO	3.20E-01	2.62E-03	9.70E-04		COMB8	-0.1777	-0.1843	-0.0036	-0.0012	-0.0011	0.0009
	0.82	VIENTO	3.20E-01	2.62E-03	-1.18E-03		COMB9	0.4446	0.4358	0.0008	0.0040	0.0006	-0.0012
	0.00	ESPECTRO	1.60E-02	1.03E-04	3.41E-05		COMB10	0.2544	0.2478	-0.0001	0.0023	0.0002	-0.0006
	0.82	ESPECTRO	1.60E-02	1.03E-04	5.02E-05								
	0.00	DEAD	1.68E-01	-3.59E-04	1.32E-04								
	0.81	DEAD	1.61E-01	2.02E-03	-5.39E-04		COMB1	0.4153	0.4051	0.0009	0.0042	0.0007	-0.0014

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO AS-2 (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames

ELE.	Stat.	OutputCase	P	V2	M3
Text	m	Text	Ton	Ton	Ton-m
2028	0.00	COBERT	6.32E-02	6.03E-04	2.25E-04
	0.81	COBERT	6.32E-02	6.03E-04	-2.62E-04
	0.00	CORREAS	6.52E-02	3.94E-04	1.42E-04
	0.81	CORREAS	6.52E-02	3.94E-04	-1.75E-04
	0.00	VIVA	2.53E-01	2.41E-03	8.99E-04
	0.81	VIVA	2.53E-01	2.41E-03	-1.05E-03
	0.00	VIENTO	3.65E-01	3.48E-03	1.30E-03
	0.81	VIENTO	3.65E-01	3.48E-03	-1.51E-03
	0.00	ESPECTRO	1.98E-02	1.53E-04	5.36E-05
	0.81	ESPECTRO	1.98E-02	1.53E-04	7.00E-05
2029	0.00	DEAD	1.90E-01	1.60E-04	2.95E-04
	0.80	DEAD	1.83E-01	2.25E-03	-6.66E-04
	0.00	COBERT	6.87E-02	7.52E-04	2.81E-04
	0.80	COBERT	6.87E-02	7.52E-04	-3.18E-04
	0.00	CORREAS	8.53E-02	5.49E-04	2.00E-04
	0.80	CORREAS	8.53E-02	5.49E-04	-2.37E-04
	0.00	VIVA	2.75E-01	3.01E-03	1.12E-03
	0.80	VIVA	2.75E-01	3.01E-03	-1.27E-03
	0.00	VIENTO	3.97E-01	4.35E-03	1.62E-03
	0.80	VIENTO	3.97E-01	4.35E-03	-1.84E-03
	0.00	ESPECTRO	2.33E-02	2.08E-04	7.48E-05
	0.80	ESPECTRO	2.33E-02	2.08E-04	9.09E-05
2030	0.00	DEAD	2.09E-01	6.62E-04	4.46E-04
	0.78	DEAD	2.01E-01	2.47E-03	-7.84E-04
	0.00	COBERT	7.21E-02	8.67E-04	3.22E-04
	0.78	COBERT	7.21E-02	8.67E-04	-3.58E-04
	0.00	CORREAS	8.13E-02	7.01E-04	2.60E-04
	0.78	CORREAS	8.13E-02	7.01E-04	-2.91E-04
	0.00	VIVA	2.88E-01	3.47E-03	1.29E-03
	0.78	VIVA	2.88E-01	3.47E-03	-1.43E-03
	0.00	VIENTO	4.17E-01	5.01E-03	1.86E-03
	0.78	VIENTO	4.17E-01	5.01E-03	-2.07E-03
	0.00	ESPECTRO	2.66E-02	2.64E-04	9.55E-05
	0.78	ESPECTRO	2.66E-02	2.64E-04	1.12E-04
2031	0.00	DEAD	2.23E-01	1.13E-03	5.90E-04
	0.77	DEAD	2.16E-01	2.67E-03	-8.80E-04
	0.00	COBERT	7.45E-02	9.52E-04	3.53E-04
	0.77	COBERT	7.45E-02	9.52E-04	-3.83E-04
	0.00	CORREAS	9.81E-02	8.35E-04	3.08E-04
	0.77	CORREAS	9.81E-02	8.35E-04	-3.37E-04
	0.00	VIVA	2.98E-01	3.81E-03	1.41E-03
	0.77	VIVA	2.98E-01	3.81E-03	-1.53E-03
	0.00	VIENTO	4.30E-01	5.50E-03	2.04E-03
	0.77	VIENTO	4.30E-01	5.50E-03	-2.22E-03
	0.00	ESPECTRO	2.97E-02	3.20E-04	1.17E-04
	0.77	ESPECTRO	2.97E-02	3.20E-04	1.31E-04
2032	0.00	DEAD	2.34E-01	1.76E-03	7.36E-04
	0.76	DEAD	2.27E-01	3.02E-03	-1.08E-03
	0.00	COBERT	7.69E-02	1.10E-03	3.88E-04
	0.76	COBERT	7.69E-02	1.10E-03	-4.47E-04
	0.00	CORREAS	9.06E-02	1.04E-03	3.65E-04
	0.76	CORREAS	9.06E-02	1.04E-03	-4.27E-04
	0.00	VIVA	3.07E-01	4.39E-03	1.55E-03
	0.76	VIVA	3.07E-01	4.39E-03	-1.79E-03
	0.00	VIENTO	4.44E-01	6.34E-03	2.24E-03
	0.76	VIENTO	4.44E-01	6.34E-03	-2.58E-03
	0.00	ESPECTRO	3.26E-02	4.00E-04	1.39E-04
	0.76	ESPECTRO	3.26E-02	4.00E-04	1.66E-04
2033	0.00	DEAD	2.36E-01	1.79E-03	6.77E-04
	0.75	DEAD	2.33E-01	2.30E-03	-8.58E-04
	0.00	COBERT	7.48E-02	8.96E-04	3.19E-04
	0.75	COBERT	7.48E-02	8.96E-04	-3.52E-04
	0.00	CORREAS	1.02E-01	8.65E-04	3.06E-04
	0.75	CORREAS	1.02E-01	8.65E-04	-3.41E-04
	0.00	VIVA	2.99E-01	3.58E-03	1.28E-03
	0.75	VIVA	2.99E-01	3.58E-03	-1.41E-03
	0.00	VIENTO	4.32E-01	5.18E-03	1.84E-03
	0.75	VIENTO	4.32E-01	5.18E-03	-2.04E-03
	0.00	ESPECTRO	3.45E-02	3.40E-04	1.19E-04
	0.75	ESPECTRO	3.45E-02	3.40E-04	1.35E-04
2034	0.00	DEAD	2.42E-01	2.14E-03	8.05E-04
	0.74	DEAD	2.38E-01	2.52E-03	-9.14E-04
	0.00	COBERT	6.82E-02	9.48E-04	3.43E-04
	0.74	COBERT	6.82E-02	9.48E-04	-3.56E-04
	0.00	CORREAS	9.04E-02	9.56E-04	3.48E-04
	0.74	CORREAS	9.04E-02	9.56E-04	-3.57E-04
	0.00	VIVA	2.73E-01	3.79E-03	1.37E-03
	0.74	VIVA	2.73E-01	3.79E-03	-1.42E-03

ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
2028	COMB2	0.7606	0.7519	0.0046	0.0075	0.0020	-0.0028
	COMB3	0.9574	0.9486	0.0065	0.0094	0.0027	-0.0037
	COMB4	0.0074	-0.0013	-0.0026	0.0003	-0.0006	0.0003
	COMB5	0.6483	0.6395	0.0036	0.0064	0.0016	-0.0024
	COMB6	0.0637	0.0549	-0.0020	0.0008	-0.0004	0.0000
	COMB7	0.7420	0.8222	0.0051	0.0082	0.0021	-0.0031
	COMB8	-0.2080	-0.2146	-0.0040	-0.0018	-0.0012	0.0011
	COMB9	0.5022	0.4934	0.0021	0.0050	0.0011	-0.0016
	COMB10	0.2867	0.2802	0.0007	0.0029	0.0005	-0.0008
2029							
	COMB1	0.4817	0.4715	0.0020	0.0050	0.0011	-0.0017
	COMB2	0.8527	0.8439	0.0066	0.0091	0.0027	-0.0035
	COMB3	1.0665	1.0578	0.0089	0.0114	0.0036	-0.0045
	COMB4	0.0341	0.0254	-0.0024	0.0001	-0.0006	0.0003
	COMB5	0.7306	0.7218	0.0052	0.0077	0.0022	-0.0029
	COMB6	0.0953	0.0865	-0.0017	0.0008	-0.0004	0.0000
	COMB7	0.8259	0.9204	0.0070	0.0099	0.0028	-0.0039
	COMB8	-0.2065	-0.2131	-0.0043	-0.0025	-0.0014	0.0013
	COMB9	0.5737	0.5649	0.0035	0.0060	0.0016	-0.0020
	COMB10	0.3330	0.3264	0.0015	0.0034	0.0008	-0.0010
2030							
	COMB1	0.5066	0.4965	0.0031	0.0057	0.0014	-0.0020
	COMB2	0.8959	0.8872	0.0082	0.0104	0.0033	-0.0040
	COMB3	1.1203	1.1116	0.0109	0.0131	0.0043	-0.0051
	COMB4	0.0367	0.0280	-0.0021	0.0001	-0.0005	0.0003
	COMB5	0.7677	0.7590	0.0067	0.0089	0.0027	-0.0034
	COMB6	0.1008	0.0921	-0.0013	0.0008	-0.0003	-0.0001
	COMB7	0.8675	0.9674	0.0085	0.0114	0.0033	-0.0044
	COMB8	-0.2161	-0.2226	-0.0045	-0.0029	-0.0015	0.0014
	COMB9	0.6052	0.5965	0.0047	0.0068	0.0020	-0.0023
	COMB10	0.3523	0.3458	0.0023	0.0039	0.0010	-0.0012
2031							
	COMB1	0.5535	0.5434	0.0041	0.0062	0.0018	-0.0022
	COMB2	0.9512	0.9425	0.0096	0.0114	0.0038	-0.0044
	COMB3	1.1830	1.1744	0.0126	0.0144	0.0049	-0.0056
	COMB4	0.0638	0.0552	-0.0017	0.0001	-0.0004	0.0002
	COMB5	0.8188	0.8102	0.0079	0.0097	0.0031	-0.0037
	COMB6	0.1301	0.1214	-0.0009	0.0009	-0.0001	-0.0001
	COMB7	0.9154	1.0254	0.0098	0.0125	0.0038	-0.0048
	COMB8	-0.2038	-0.2102	-0.0045	-0.0031	-0.0015	0.0014
	COMB9	0.6531	0.6444	0.0057	0.0076	0.0023	-0.0026
	COMB10	0.3855	0.3790	0.0029	0.0043	0.0012	-0.0013
2032							
	COMB1	0.5624	0.5524	0.0055	0.0072	0.0021	-0.0027
	COMB2	0.9739	0.9653	0.0117	0.0132	0.0043	-0.0052
	COMB3	1.2131	1.2045	0.0151	0.0166	0.0055	-0.0066
	COMB4	0.0584	0.0499	-0.0014	0.0001	-0.0004	0.0001
	COMB5	0.8373	0.8288	0.0097	0.0113	0.0036	-0.0044
	COMB6	0.1268	0.1182	-0.0004	0.0011	0.0000	-0.0003
	COMB7	0.9389	1.0508	0.0117	0.0144	0.0043	-0.0057
	COMB8	-0.2158	-0.2222	-0.0047	-0.0036	-0.0016	0.0016
	COMB9	0.6683	0.6598	0.0073	0.0088	0.0027	-0.0031
	COMB10	0.3941	0.3877	0.0039	0.0050	0.0015	-0.0016
2033							
	COMB1	0.5784	0.5734	0.0050	0.0057	0.0018	-0.0022
	COMB2	0.9745	0.9702	0.0100	0.0106	0.0036	-0.0041
	COMB3	1.2073	1.2030	0.0128	0.0134	0.0046	-0.0052
	COMB4	0.0835	0.0792	-0.0007	-0.0001	-0.0002	0.0001
	COMB5	0.8416	0.8373	0.0084	0.0090	0.0030	-0.0035
	COMB6	0.1500	0.1457	0.0001	0.0007	0.0001	-0.0002
	COMB7	0.9338	1.0534	0.0099	0.0116	0.0036	-0.0045
	COMB8	-0.1901	-0.1933	-0.0035	-0.0031	-0.0012	0.0012
	COMB9	0.6799	0.6756	0.0064	0.0070	0.0023	-0.0024
	COMB10	0.4064	0.4031	0.0035	0.0040	0.0013	-0.0013
2034							
	COMB1	0.5609	0.5560	0.0057	0.0062	0.0021	-0.0023
	COMB2	0.9176	0.9133	0.0109	0.0114	0.0040	-0.0042
	COMB3	1.1299	1.1257	0.0139	0.0143	0.0051	-0.0053
	COMB4	0.1046	0.1004	-0.0004	0.0001	-0.0001	0.0000
	COMB5	0.7963	0.7920	0.0092	0.0097	0.0034	-0.0036
	COMB6	0.1653	0.1611	0.0005	0.0009	0.0002	-0.0003
	COMB7	0.8733	0.9892	0.0108	0.0124	0.0039	-0.0046

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO AS-2 (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames

ELE.	Stat.	OutputCase	P	V2	M3
Text	m	Text	Ton	Ton	Ton-m
	0.00	VIENTO	3.94E-01	5.48E-03	1.98E-03
	0.74	VIENTO	3.94E-01	5.48E-03	-2.06E-03
	0.00	ESPECTRO	3.68E-02	3.88E-04	1.39E-04
	0.74	ESPECTRO	3.68E-02	3.88E-04	1.47E-04
	0.00	DEAD	2.42E-01	2.34E-03	8.43E-04
	0.72	DEAD	2.38E-01	2.59E-03	-9.42E-04
	0.00	COBERT	5.89E-02	8.34E-04	2.98E-04
	0.72	COBERT	5.89E-02	8.34E-04	-3.07E-04
	0.00	CORREAS	9.89E-02	9.68E-04	3.44E-04
2035	0.72	CORREAS	9.89E-02	9.68E-04	-3.57E-04
	0.00	VIVA	2.36E-01	3.34E-03	1.19E-03
	0.72	VIVA	2.36E-01	3.34E-03	-1.23E-03
	0.00	VIENTO	3.40E-01	4.82E-03	1.72E-03
	0.72	VIENTO	3.40E-01	4.82E-03	-1.77E-03
	0.00	ESPECTRO	3.88E-02	4.36E-04	1.53E-04
	0.72	ESPECTRO	3.88E-02	4.36E-04	1.63E-04
	0.00	DEAD	2.39E-01	2.41E-03	8.54E-04
	0.71	DEAD	2.35E-01	2.53E-03	-9.05E-04
	0.00	COBERT	5.39E-02	5.86E-04	2.06E-04
	0.71	COBERT	5.39E-02	5.86E-04	-2.11E-04
	0.00	CORREAS	8.25E-02	9.83E-04	3.59E-04
2036	0.71	CORREAS	8.25E-02	9.83E-04	-3.41E-04
	0.00	VIVA	2.16E-01	2.34E-03	8.25E-04
	0.71	VIVA	2.16E-01	2.34E-03	-8.44E-04
	0.00	VIENTO	3.11E-01	3.38E-03	1.19E-03
	0.71	VIENTO	3.11E-01	3.38E-03	-1.22E-03
	0.00	ESPECTRO	4.05E-02	4.02E-04	1.46E-04
	0.71	ESPECTRO	4.05E-02	4.02E-04	1.41E-04
			DIAGONALES		
	0.00	DEAD	-3.25E-03	-2.91E-03	-4.50E-04
	0.80	DEAD	-3.25E-03	9.57E-04	3.28E-04
	0.00	COBERT	-4.83E-03	1.03E-04	4.88E-05
	0.80	COBERT	-4.83E-03	1.03E-04	-3.34E-05
	0.00	CORREAS	-1.84E-02	-4.17E-05	-2.47E-05
3042	0.80	CORREAS	-1.84E-02	-4.17E-05	8.49E-06
	0.00	VIVA	-1.93E-02	4.13E-04	1.95E-04
	0.80	VIVA	-1.93E-02	4.13E-04	-1.34E-04
	0.00	VIENTO	-2.79E-02	5.97E-04	2.82E-04
	0.80	VIENTO	-2.79E-02	5.97E-04	-1.93E-04
	0.00	ESPECTRO	5.04E-04	3.96E-05	8.85E-06
	0.80	ESPECTRO	5.04E-04	3.96E-05	2.27E-05
	0.00	DEAD	-3.25E-03	9.57E-04	3.28E-04
	0.40	DEAD	-3.25E-03	2.90E-03	-4.44E-04
	0.00	COBERT	-4.83E-03	1.03E-04	-3.34E-05
	0.40	COBERT	-4.83E-03	1.03E-04	-7.47E-05
	0.00	CORREAS	-1.84E-02	-4.17E-05	8.49E-06
3043	0.40	CORREAS	-1.84E-02	-4.17E-05	2.52E-05
	0.00	VIVA	-1.93E-02	4.13E-04	-1.34E-04
	0.40	VIVA	-1.93E-02	4.13E-04	-2.99E-04
	0.00	VIENTO	-2.79E-02	5.97E-04	-1.93E-04
	0.40	VIENTO	-2.79E-02	5.97E-04	-4.32E-04
	0.00	ESPECTRO	8.07E-04	4.54E-05	2.27E-05
	0.40	ESPECTRO	8.07E-04	4.54E-05	4.06E-05
	0.00	DEAD	-6.39E-02	-2.04E-03	-1.46E-05
	0.87	DEAD	-7.07E-02	2.70E-03	-3.00E-04
	0.00	COBERT	2.02E-02	2.82E-04	1.66E-04
	0.87	COBERT	2.02E-02	2.82E-04	-7.78E-05
	0.00	CORREAS	-1.00E-02	1.91E-04	1.38E-04
2723	0.87	CORREAS	-1.00E-02	1.91E-04	-2.78E-05
	0.00	VIVA	8.08E-02	1.13E-03	6.65E-04
	0.87	VIVA	8.08E-02	1.13E-03	-3.11E-04
	0.00	VIENTO	1.17E-01	1.63E-03	9.61E-04
	0.87	VIENTO	1.17E-01	1.63E-03	-4.50E-04
	0.00	ESPECTRO	4.84E-02	5.46E-04	2.85E-04
	0.87	ESPECTRO	4.84E-02	5.46E-04	1.88E-04
	0.00	DEAD	-7.82E-02	-2.97E-03	-5.99E-04
	0.88	DEAD	-8.53E-02	1.53E-03	3.19E-05
	0.00	COBERT	1.02E-02	1.90E-04	8.90E-05
	0.88	COBERT	1.02E-02	1.90E-04	-7.76E-05
	0.00	CORREAS	-3.47E-02	-2.46E-04	-1.03E-04
2724	0.88	CORREAS	-3.47E-02	-2.46E-04	1.13E-04
	0.00	VIVA	4.09E-02	7.60E-04	3.56E-04
	0.88	VIVA	4.09E-02	7.60E-04	-3.10E-04
	0.00	VIENTO	5.90E-02	1.10E-03	5.15E-04
	0.88	VIENTO	5.90E-02	1.10E-03	-4.48E-04
	0.00	ESPECTRO	4.45E-02	3.43E-04	1.47E-04
	0.88	ESPECTRO	4.45E-02	3.43E-04	1.53E-04
	0.00	DEAD	-8.92E-02	-2.95E-03	-6.43E-04

ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
	COMB8	-0.1520	-0.1553	-0.0035	-0.0031	-0.0012	0.0012
	COMB9	0.6541	0.6498	0.0071	0.0076	0.0026	-0.0025
	COMB10	0.3974	0.3942	0.0040	0.0044	0.0015	-0.0013
	COMB1	0.5596	0.5546	0.0058	0.0061	0.0021	-0.0022
	COMB2	0.8566	0.8524	0.0103	0.0106	0.0037	-0.0039
	COMB3	1.0399	1.0357	0.0129	0.0132	0.0046	-0.0048
	COMB4	0.1550	0.1507	0.0004	0.0007	0.0001	-0.0002
2035	COMB5	0.7519	0.7477	0.0088	0.0091	0.0032	-0.0033
	COMB6	0.2073	0.2031	0.0011	0.0014	0.0004	-0.0005
	COMB7	0.8022	0.9179	0.0100	0.0115	0.0036	-0.0042
	COMB8	-0.0827	-0.0859	-0.0025	-0.0023	-0.0009	0.0009
	COMB9	0.6362	0.6320	0.0071	0.0074	0.0025	-0.0024
	COMB10	0.3985	0.3953	0.0042	0.0044	0.0015	-0.0013
	COMB1	0.5253	0.5204	0.0056	0.0057	0.0020	-0.0020
	COMB2	0.7952	0.7910	0.0085	0.0087	0.0030	-0.0031
	COMB3	0.9629	0.9587	0.0103	0.0105	0.0037	-0.0038
	COMB4	0.1532	0.1490	0.0015	0.0017	0.0006	-0.0006
2036	COMB5	0.6994	0.6952	0.0075	0.0076	0.0027	-0.0027
	COMB6	0.2011	0.1969	0.0021	0.0022	0.0008	-0.0008
	COMB7	0.7425	0.8510	0.0080	0.0093	0.0028	-0.0033
	COMB8	-0.0672	-0.0703	-0.0008	-0.0007	-0.0003	0.0003
	COMB9	0.5985	0.5944	0.0063	0.0065	0.0023	-0.0020
	COMB10	0.3782	0.3751	0.0040	0.0041	0.0014	-0.0012
			DIAGONALES				
	COMB1	-0.0370	-0.0370	-0.0040	0.0014	-0.0006	0.0004
	COMB2	-0.0627	-0.0627	-0.0028	0.0019	-0.0002	0.0002
	COMB3	-0.0777	-0.0777	-0.0024	0.0022	0.0000	0.0000
	COMB4	-0.0051	-0.0051	-0.0040	0.0007	-0.0008	0.0005
3042	COMB5	-0.0541	-0.0541	-0.0029	0.0017	-0.0003	0.0002
	COMB6	-0.0094	-0.0094	-0.0039	0.0007	-0.0007	0.0005
	COMB7	-0.0601	-0.0680	-0.0018	0.0020	0.0000	0.0001
	COMB8	0.0125	0.0125	-0.0033	0.0001	-0.0008	0.0005
	COMB9	-0.0409	-0.0409	-0.0032	0.0015	-0.0004	0.0003
	COMB10	-0.0233	-0.0233	-0.0025	0.0010	-0.0004	0.0003
	COMB1	-0.0370	-0.0370	0.0014	0.0041	0.0004	-0.0007
	COMB2	-0.0627	-0.0627	0.0019	0.0042	0.0002	-0.0011
	COMB3	-0.0777	-0.0777	0.0022	0.0045	0.0000	-0.0013
	COMB4	-0.0051	-0.0051	0.0007	0.0030	0.0005	-0.0002
3043	COMB5	-0.0541	-0.0541	0.0017	0.0040	0.0002	-0.0009
	COMB6	-0.0094	-0.0094	0.0007	0.0031	0.0005	-0.0002
	COMB7	-0.0601	-0.0680	0.0017	0.0043	0.0000	-0.0012
	COMB8	0.0125	0.0125	0.0001	0.0019	0.0005	0.0001
	COMB9	-0.0406	-0.0406	0.0015	0.0038	0.0003	-0.0007
	COMB10	-0.0230	-0.0230	0.0010	0.0027	0.0003	-0.0004
	COMB1	-0.0753	-0.0847	-0.0022	0.0044	0.0004	-0.0006
	COMB2	0.0647	0.0566	-0.0001	0.0056	0.0014	-0.0010
	COMB3	0.1275	0.1194	0.0008	0.0065	0.0019	-0.0012
	COMB4	-0.1758	-0.1839	-0.0034	0.0023	-0.0006	-0.0001
2723	COMB5	0.0288	0.0207	-0.0006	0.0051	0.0011	-0.0008
	COMB6	-0.1579	-0.1660	-0.0032	0.0025	-0.0004	-0.0001
	COMB7	0.1033	0.0790	0.0007	0.0059	0.0015	-0.0011
	COMB8	-0.2001	-0.2061	-0.0035	0.0007	-0.0010	0.0002
	COMB9	0.0242	0.0161	-0.0008	0.0049	0.0010	-0.0005
	COMB10	0.0000	-0.0061	-0.0009	0.0034	0.0005	-0.0002
	COMB1	-0.1438	-0.1536	-0.0042	0.0021	-0.0009	0.0001
	COMB2	-0.0579	-0.0663	-0.0024	0.0030	-0.0002	-0.0004
	COMB3	-0.0261	-0.0345	-0.0018	0.0036	0.0001	-0.0007
	COMB4	-0.1795	-0.1880	-0.0047	0.0007	-0.0012	0.0005
2724	COMB5	-0.0760	-0.0844	-0.0028	0.0027	-0.0003	-0.0003
	COMB6	-0.1705	-0.1789	-0.0045	0.0009	-0.0011	0.0004
	COMB7	-0.0157	-0.0549	-0.0013	0.0032	0.0001	-0.0005
	COMB8	-0.1692	-0.1755	-0.0042	-0.0001	-0.0012	0.0006
	COMB9	-0.0584	-0.0668	-0.0029	0.0025	-0.0004	0.0001
	COMB10	-0.0480	-0.0543	-0.0024	0.0017	-0.0004	0.0002

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO AS-2 (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames

ELE.	Stat.	OutputCase	P	V2	M3
Text	m	Text	Ton	Ton	Ton-m
2725	0.89	DEAD	-9.65E-02	1.30E-03	9.08E-05
	0.00	COBERT	-4.83E-03	5.74E-05	4.38E-06
	0.89	COBERT	-4.83E-03	5.74E-05	-4.66E-05
	0.00	CORREAS	-2.87E-02	-2.94E-04	-1.18E-04
	0.89	CORREAS	-2.87E-02	-2.94E-04	1.43E-04
	0.00	VIVA	-1.93E-02	2.30E-04	1.75E-05
	0.89	VIVA	-1.93E-02	2.30E-04	-1.86E-04
	0.00	VIENTO	-2.79E-02	3.32E-04	2.53E-05
	0.89	VIENTO	-2.79E-02	3.32E-04	-2.69E-04
	0.00	ESPECTRO	4.22E-02	3.46E-04	1.69E-04
	0.89	ESPECTRO	4.22E-02	3.46E-04	1.38E-04
2726	0.00	DEAD	-9.54E-02	-2.93E-03	-6.86E-04
	0.90	DEAD	-1.03E-01	1.05E-03	1.56E-04
	0.00	COBERT	-1.77E-02	-8.75E-05	-6.33E-05
	0.90	COBERT	-1.77E-02	-8.75E-05	1.53E-05
	0.00	CORREAS	-4.87E-02	-3.51E-04	-1.47E-04
	0.90	CORREAS	-4.87E-02	-3.51E-04	1.68E-04
	0.00	VIVA	-7.07E-02	-3.50E-04	-2.53E-04
	0.90	VIVA	-7.07E-02	-3.50E-04	6.10E-05
	0.00	VIENTO	-1.02E-01	-5.06E-04	-3.66E-04
	0.90	VIENTO	-1.02E-01	-5.06E-04	8.82E-05
	0.00	ESPECTRO	3.87E-02	3.26E-04	1.65E-04
	0.90	ESPECTRO	3.87E-02	3.26E-04	1.28E-04
2727	0.00	DEAD	-9.62E-02	-2.61E-03	-6.08E-04
	0.91	DEAD	-1.04E-01	1.08E-03	8.85E-05
	0.00	COBERT	-2.31E-02	-1.35E-04	-7.95E-05
	0.91	COBERT	-2.31E-02	-1.35E-04	4.31E-05
	0.00	CORREAS	-3.83E-02	-3.49E-04	-1.51E-04
	0.91	CORREAS	-3.83E-02	-3.49E-04	1.65E-04
	0.00	VIVA	-9.24E-02	-5.41E-04	-3.18E-04
	0.91	VIVA	-9.24E-02	-5.41E-04	1.73E-04
	0.00	VIENTO	-1.33E-01	-7.81E-04	-4.60E-04
	0.91	VIENTO	-1.33E-01	-7.81E-04	2.49E-04
	0.00	ESPECTRO	3.48E-02	2.32E-04	1.32E-04
	0.91	ESPECTRO	3.48E-02	2.32E-04	7.92E-05
2728	0.00	DEAD	-9.61E-02	-2.33E-03	-5.30E-04
	0.92	DEAD	-1.04E-01	1.07E-03	4.65E-05
	0.00	COBERT	-2.47E-02	-1.12E-04	-5.77E-05
	0.92	COBERT	-2.47E-02	-1.12E-04	4.47E-05
	0.00	CORREAS	-5.31E-02	-2.62E-04	-1.12E-04
	0.92	CORREAS	-5.31E-02	-2.62E-04	1.29E-04
	0.00	VIVA	-9.89E-02	-4.46E-04	-2.31E-04
	0.92	VIVA	-9.89E-02	-4.46E-04	1.79E-04
	0.00	VIENTO	-1.43E-01	-6.45E-04	-3.33E-04
	0.92	VIENTO	-1.43E-01	-6.45E-04	2.58E-04
	0.00	ESPECTRO	3.03E-02	1.53E-04	9.70E-05
	0.92	ESPECTRO	3.03E-02	1.53E-04	4.36E-05
2729	0.00	DEAD	-9.02E-02	-2.20E-03	-5.31E-04
	0.93	DEAD	-9.85E-02	8.92E-04	7.48E-05
	0.00	COBERT	-2.57E-02	-1.25E-04	-6.48E-05
	0.93	COBERT	-2.57E-02	-1.25E-04	5.16E-05
	0.00	CORREAS	-3.80E-02	-3.00E-04	-1.34E-04
	0.93	CORREAS	-3.80E-02	-3.00E-04	1.45E-04
	0.00	VIVA	-1.03E-01	-5.02E-04	-2.59E-04
	0.93	VIVA	-1.03E-01	-5.02E-04	2.06E-04
	0.00	VIENTO	-1.48E-01	-7.25E-04	-3.74E-04
	0.93	VIENTO	-1.48E-01	-7.25E-04	2.98E-04
	0.00	ESPECTRO	2.53E-02	1.40E-04	9.48E-05
	0.93	ESPECTRO	2.53E-02	1.40E-04	3.65E-05
2730	0.00	DEAD	-8.00E-02	-2.00E-03	-5.00E-04
	0.94	DEAD	-8.85E-02	7.71E-04	7.73E-05
	0.00	COBERT	-2.59E-02	-1.32E-04	-6.93E-05
	0.94	COBERT	-2.59E-02	-1.32E-04	5.48E-05
	0.00	CORREAS	-4.78E-02	-2.69E-04	-1.21E-04
	0.94	CORREAS	-4.78E-02	-2.69E-04	1.31E-04
	0.00	VIVA	-1.04E-01	-5.30E-04	-2.77E-04
	0.94	VIVA	-1.04E-01	-5.30E-04	2.19E-04
	0.00	VIENTO	-1.50E-01	-7.65E-04	-4.00E-04
	0.94	VIENTO	-1.50E-01	-7.65E-04	3.17E-04
	0.00	ESPECTRO	2.02E-02	1.13E-04	8.40E-05
	0.94	ESPECTRO	2.02E-02	1.13E-04	2.76E-05
2731	0.00	DEAD	-6.59E-02	-1.78E-03	-4.58E-04
	0.95	DEAD	-7.46E-02	6.64E-04	7.05E-05
	0.00	COBERT	-2.45E-02	-1.36E-04	-7.14E-05
	0.95	COBERT	-2.45E-02	-1.36E-04	5.77E-05
	0.00	CORREAS	-2.91E-02	-2.65E-04	-1.23E-04
	0.95	CORREAS	-2.91E-02	-2.65E-04	1.29E-04
	0.00	VIVA	-9.81E-02	-5.45E-04	-2.85E-04

ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
2725	COMB1	-0.1718	-0.1821	-0.0045	0.0015	-0.0011	0.0003
	COMB2	-0.1782	-0.1870	-0.0035	0.0016	-0.0009	-0.0001
	COMB3	-0.1933	-0.2020	-0.0033	0.0018	-0.0009	-0.0002
	COMB4	-0.1207	-0.1294	-0.0041	0.0010	-0.0009	0.0005
	COMB5	-0.1696	-0.1784	-0.0036	0.0015	-0.0009	0.0000
	COMB6	-0.1250	-0.1337	-0.0041	0.0010	-0.0009	0.0004
	COMB7	-0.1468	-0.1923	-0.0024	0.0017	-0.0006	-0.0001
	COMB8	-0.0742	-0.0807	-0.0033	0.0005	-0.0007	0.0005
	COMB9	-0.1148	-0.1235	-0.0034	0.0017	-0.0007	0.0003
	COMB10	-0.0683	-0.0749	-0.0025	0.0013	-0.0005	0.0003
2726	COMB1	-0.2265	-0.2371	-0.0047	0.0009	-0.0013	0.0005
	COMB2	-0.3073	-0.3164	-0.0046	0.0002	-0.0015	0.0005
	COMB3	-0.3624	-0.3714	-0.0049	-0.0001	-0.0017	0.0006
	COMB4	-0.0967	-0.1057	-0.0036	0.0012	-0.0007	0.0003
	COMB5	-0.2759	-0.2850	-0.0044	0.0003	-0.0014	0.0005
	COMB6	-0.1124	-0.1215	-0.0036	0.0011	-0.0008	0.0003
	COMB7	-0.2785	-0.3361	-0.0037	0.0001	-0.0013	0.0005
	COMB8	-0.0128	-0.0196	-0.0024	0.0012	-0.0003	0.0002
	COMB9	-0.1908	-0.1999	-0.0039	0.0009	-0.0010	0.0006
	COMB10	-0.1069	-0.1137	-0.0027	0.0009	-0.0006	0.0004
2727	COMB1	-0.2207	-0.2316	-0.0043	0.0008	-0.0012	0.0004
	COMB2	-0.3370	-0.3463	-0.0046	-0.0002	-0.0015	0.0006
	COMB3	-0.4089	-0.4182	-0.0050	-0.0006	-0.0018	0.0008
	COMB4	-0.0618	-0.0712	-0.0030	0.0015	-0.0006	0.0001
	COMB5	-0.2959	-0.3053	-0.0043	0.0001	-0.0014	0.0006
	COMB6	-0.0823	-0.0917	-0.0031	0.0013	-0.0006	0.0002
	COMB7	-0.3154	-0.3720	-0.0038	-0.0003	-0.0014	0.0007
	COMB8	0.0317	0.0246	-0.0018	0.0016	-0.0002	-0.0001
	COMB9	-0.2006	-0.2099	-0.0038	0.0007	-0.0010	0.0005
	COMB10	-0.1071	-0.1141	-0.0026	0.0008	-0.0006	0.0003
2728	COMB1	-0.2435	-0.2547	-0.0038	0.0010	-0.0010	0.0003
	COMB2	-0.3670	-0.3766	-0.0040	0.0001	-0.0012	0.0005
	COMB3	-0.4440	-0.4536	-0.0043	-0.0002	-0.0014	0.0007
	COMB4	-0.0723	-0.0820	-0.0026	0.0015	-0.0005	0.0000
	COMB5	-0.3230	-0.3327	-0.0038	0.0003	-0.0011	0.0005
	COMB6	-0.0943	-0.1040	-0.0027	0.0014	-0.0006	0.0001
	COMB7	-0.3423	-0.4042	-0.0033	0.0000	-0.0011	0.0006
	COMB8	0.0293	0.0221	-0.0016	0.0015	-0.0002	-0.0001
	COMB9	-0.2279	-0.2375	-0.0033	0.0008	-0.0009	0.0004
	COMB10	-0.1262	-0.1335	-0.0023	0.0008	-0.0005	0.0002
2729	COMB1	-0.2155	-0.2271	-0.0037	0.0007	-0.0010	0.0004
	COMB2	-0.3490	-0.3589	-0.0040	-0.0002	-0.0013	0.0007
	COMB3	-0.4289	-0.4388	-0.0043	-0.0006	-0.0015	0.0008
	COMB4	-0.0432	-0.0531	-0.0025	0.0013	-0.0005	0.0000
	COMB5	-0.3034	-0.3133	-0.0037	0.0000	-0.0012	0.0006
	COMB6	-0.0660	-0.0759	-0.0026	0.0011	-0.0006	0.0001
	COMB7	-0.3314	-0.3875	-0.0033	-0.0004	-0.0011	0.0007
	COMB8	0.0543	0.0469	-0.0014	0.0014	-0.0002	-0.0001
	COMB9	-0.2108	-0.2207	-0.0033	0.0004	-0.0009	0.0005
	COMB10	-0.1132	-0.1207	-0.0022	0.0006	-0.0006	0.0003
2730	COMB1	-0.2152	-0.2271	-0.0034	0.0005	-0.0010	0.0004
	COMB2	-0.3504	-0.3606	-0.0037	-0.0004	-0.0013	0.0007
	COMB3	-0.4311	-0.4413	-0.0041	-0.0008	-0.0015	0.0008
	COMB4	-0.0415	-0.0517	-0.0022	0.0012	-0.0004	0.0000
	COMB5	-0.3043	-0.3145	-0.0035	-0.0002	-0.0011	0.0006
	COMB6	-0.0646	-0.0747	-0.0023	0.0011	-0.0005	0.0001
	COMB7	-0.3331	-0.3894	-0.0032	-0.0006	-0.0011	0.0007
	COMB8	0.0565	0.0488	-0.0012	0.0013	-0.0001	-0.0002
	COMB9	-0.2161	-0.2263	-0.0030	0.0003	-0.0009	0.0005
	COMB10	-0.1182	-0.1258	-0.0021	0.0004	-0.0005	0.0003
2731	COMB1	-0.1673	-0.1795	-0.0031	0.0004	-0.0009	0.0004
	COMB2	-0.3005	-0.3109	-0.0035	-0.0006	-0.0012	0.0007
	COMB3	-0.3768	-0.3872	-0.0039	-0.0010	-0.0015	0.0009
	COMB4	-0.0082	-0.0186	-0.0019	0.0011	-0.0004	0.0000
	COMB5	-0.2569	-0.2673	-0.0032	-0.0003	-0.0011	0.0006
	COMB6	-0.0300	-0.0404	-0.0020	0.0009	-0.0005	0.0000

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO AS-2 (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames													
ELE.	Stat.	OutputCase	P	V2	M3	ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
Text	m	Text	Ton	Ton	Ton-m								
	0.95	VIVA	-9.81E-02	-5.45E-04	2.31E-04		COMB7	-0.2919	-0.3382	-0.0030	-0.0007	-0.0011	0.0007
	0.00	VIENTO	-1.42E-01	-7.88E-04	-4.12E-04		COMB8	0.0768	0.0689	-0.0009	0.0013	-0.0001	-0.0002
	0.95	VIENTO	-1.42E-01	-7.88E-04	3.33E-04		COMB9	-0.1773	-0.1877	-0.0028	0.0001	-0.0009	0.0004
	0.00	ESPECTRO	1.52E-02	8.82E-05	7.26E-05		COMB10	-0.0924	-0.1002	-0.0019	0.0003	-0.0005	0.0003
	0.95	ESPECTRO	1.52E-02	8.82E-05	2.57E-05								
	0.00	DEAD	-4.90E-02	-1.53E-03	-4.04E-04								
	0.96	DEAD	-5.78E-02	5.75E-04	5.35E-05		COMB1	-0.1477	-0.1601	-0.0026	0.0003	-0.0008	0.0003
	0.00	COBERT	-2.12E-02	-1.30E-04	-6.75E-05		COMB2	-0.2624	-0.2730	-0.0031	-0.0006	-0.0011	0.0006
	0.96	COBERT	-2.12E-02	-1.30E-04	5.66E-05		COMB3	-0.3284	-0.3390	-0.0035	-0.0010	-0.0013	0.0008
	0.00	CORREAS	-3.53E-02	-2.16E-04	-1.01E-04		COMB4	-0.0096	-0.0202	-0.0015	0.0010	-0.0003	-0.0001
2732	0.96	CORREAS	-3.53E-02	-2.16E-04	1.05E-04	2732	COMB5	-0.2246	-0.2353	-0.0029	-0.0003	-0.0010	0.0005
	0.00	VIVA	-8.49E-02	-5.19E-04	-2.70E-04		COMB6	-0.0285	-0.0391	-0.0017	0.0009	-0.0004	0.0000
	0.96	VIVA	-8.49E-02	-5.19E-04	2.27E-04		COMB7	-0.2543	-0.2966	-0.0027	-0.0007	-0.0010	0.0007
	0.00	VIENTO	-1.23E-01	-7.50E-04	-3.90E-04		COMB8	0.0645	0.0565	-0.0007	0.0012	0.0000	-0.0002
	0.96	VIENTO	-1.23E-01	-7.50E-04	3.27E-04		COMB9	-0.1581	-0.1687	-0.0024	0.0001	-0.0008	0.0004
	0.00	ESPECTRO	1.09E-02	6.64E-05	6.00E-05		COMB10	-0.0840	-0.0920	-0.0016	0.0003	-0.0005	0.0002
	0.96	ESPECTRO	1.09E-02	6.64E-05	3.21E-05								
	0.00	DEAD	-3.01E-02	-1.27E-03	-3.42E-04								
	0.97	DEAD	-3.92E-02	4.93E-04	3.20E-05		COMB1	-0.0856	-0.0982	-0.0022	0.0003	-0.0007	0.0002
	0.00	COBERT	-1.64E-02	-1.10E-04	-5.78E-05		COMB2	-0.1781	-0.1890	-0.0026	-0.0005	-0.0010	0.0005
	0.97	COBERT	-1.64E-02	-1.10E-04	4.79E-05		COMB3	-0.2291	-0.2399	-0.0029	-0.0008	-0.0011	0.0007
	0.00	CORREAS	-1.46E-02	-1.94E-04	-9.35E-05		COMB4	0.0169	0.0061	-0.0013	0.0008	-0.0003	-0.0001
2733	0.97	CORREAS	-1.46E-02	-1.94E-04	9.42E-05	2733	COMB5	-0.1490	-0.1599	-0.0024	-0.0003	-0.0009	0.0004
	0.00	VIVA	-6.55E-02	-4.38E-04	-2.31E-04		COMB6	0.0024	-0.0084	-0.0014	0.0007	-0.0003	0.0000
	0.97	VIVA	-6.55E-02	-4.38E-04	1.92E-04		COMB7	-0.1780	-0.2072	-0.0022	-0.0006	-0.0009	0.0006
	0.00	VIENTO	-9.46E-02	-6.33E-04	-3.34E-04		COMB8	0.0680	0.0599	-0.0006	0.0010	0.0000	-0.0002
	0.97	VIENTO	-9.46E-02	-6.33E-04	2.77E-04		COMB9	-0.0973	-0.1082	-0.0021	0.0001	-0.0007	0.0003
	0.00	ESPECTRO	8.75E-03	5.38E-05	4.71E-05		COMB10	-0.0462	-0.0544	-0.0014	0.0002	-0.0004	0.0002
	0.97	ESPECTRO	8.75E-03	5.38E-05	4.21E-05								
	0.00	DEAD	-1.01E-02	-9.74E-04	-2.66E-04								
	0.98	DEAD	-1.93E-02	4.31E-04	-1.64E-06		COMB1	-0.0557	-0.0686	-0.0017	0.0003	-0.0005	0.0001
	0.00	COBERT	-1.09E-02	-8.73E-05	-4.60E-05		COMB2	-0.1177	-0.1287	-0.0020	-0.0003	-0.0007	0.0004
	0.98	COBERT	-1.09E-02	-8.73E-05	3.92E-05		COMB3	-0.1518	-0.1628	-0.0023	-0.0006	-0.0009	0.0005
	0.00	CORREAS	-1.88E-02	-1.30E-04	-6.43E-05		COMB4	0.0125	0.0015	-0.0009	0.0007	-0.0002	-0.0001
2734	0.98	CORREAS	-1.88E-02	-1.30E-04	6.21E-05	2734	COMB5	-0.0983	-0.1093	-0.0018	-0.0001	-0.0007	0.0003
	0.00	VIVA	-4.37E-02	-3.49E-04	-1.84E-04		COMB6	0.0027	-0.0083	-0.0010	0.0007	-0.0002	-0.0001
	0.98	VIVA	-4.37E-02	-3.49E-04	1.57E-04		COMB7	-0.1180	-0.1409	-0.0017	-0.0004	-0.0007	0.0004
	0.00	VIENTO	-6.32E-02	-5.05E-04	-2.66E-04		COMB8	0.0463	0.0380	-0.0004	0.0008	0.0000	-0.0002
	0.98	VIENTO	-6.32E-02	-5.05E-04	2.26E-04		COMB9	-0.0596	-0.0707	-0.0015	0.0001	-0.0005	0.0003
	0.00	ESPECTRO	1.00E-02	6.46E-05	3.37E-05		COMB10	-0.0258	-0.0341	-0.0010	0.0003	-0.0003	0.0002
	0.98	ESPECTRO	1.00E-02	6.46E-05	6.19E-05								
	0.00	DEAD	1.06E-02	-3.44E-04	-1.02E-04								
	0.98	DEAD	5.88E-03	1.88E-04	-2.51E-05		COMB1	0.0110	0.0043	-0.0006	0.0001	-0.0002	0.0000
	0.00	COBERT	-5.22E-03	-3.59E-05	-2.05E-05		COMB2	-0.0240	-0.0297	-0.0008	-0.0001	-0.0003	0.0001
	0.98	COBERT	-5.22E-03	-3.59E-05	1.48E-05		COMB3	-0.0403	-0.0460	-0.0009	-0.0002	-0.0004	0.0002
	0.00	CORREAS	2.44E-03	-6.28E-05	-3.12E-05		COMB4	0.0382	0.0325	-0.0003	0.0003	-0.0001	-0.0001
2735	0.98	CORREAS	2.44E-03	-6.28E-05	3.05E-05	2735	COMB5	-0.0147	-0.0204	-0.0007	-0.0001	-0.0003	0.0001
	0.00	VIVA	-2.09E-02	-1.43E-04	-8.19E-05		COMB6	0.0336	0.0279	-0.0004	0.0003	-0.0001	0.0000
	0.98	VIVA	-2.09E-02	-1.43E-04	5.93E-05		COMB7	-0.0322	-0.0355	-0.0007	-0.0002	-0.0003	0.0001
	0.00	VIENTO	-3.02E-02	-2.07E-04	-1.18E-04		COMB8	0.0463	0.0420	-0.0001	0.0003	0.0000	-0.0001
	0.98	VIENTO	-3.02E-02	-2.07E-04	8.57E-05		COMB9	0.0121	0.0064	-0.0005	0.0001	-0.0002	0.0001
	0.00	ESPECTRO	1.31E-02	5.86E-05	1.59E-05		COMB10	0.0202	0.0159	-0.0003	0.0001	-0.0001	0.0001
	0.98	ESPECTRO	1.31E-02	5.86E-05	4.91E-05								
	0.00	DEAD	3.57E-02	-1.37E-04	-3.38E-05								
	0.99	DEAD	3.08E-02	2.07E-04	-6.87E-05		COMB1	0.0490	0.0422	-0.0002	0.0003	-0.0001	-0.0001
	0.00	COBERT	-2.22E-04	-1.52E-05	-1.20E-05		COMB2	0.0406	0.0348	-0.0003	0.0001	-0.0001	-0.0001
	0.99	COBERT	-2.22E-04	-1.52E-05	3.05E-06		COMB3	0.0399	0.0341	-0.0003	0.0001	-0.0002	0.0000
	0.00	CORREAS	-4.43E-04	-1.18E-05	-8.41E-06		COMB4	0.0432	0.0374	-0.0001	0.0003	0.0000	-0.0001
2736	0.99	CORREAS	-4.43E-04	-1.18E-05	3.26E-06	2736	COMB5	0.0410	0.0352	-0.0003	0.0001	-0.0001	-0.0001
	0.00	VIVA	-8.89E-04	-6.07E-05	-4.80E-05		COMB6	0.0430	0.0372	-0.0001	0.0003	0.0000	-0.0001
	0.99	VIVA	-8.89E-04	-6.07E-05	1.22E-05		COMB7	0.0298	0.0345	-0.0003	0.0001	-0.0001	-0.0001
	0.00	VIENTO	-1.28E-03	-8.76E-05	-6.94E-05		COMB8	0.0332	0.0288	0.0000	0.0003	0.0000	-0.0001
	0.99	VIENTO	-1.28E-03	-8.76E-05	1.76E-05		COMB9	0.0591	0.0533	-0.0001	0.0003	-0.0001	0.0000
	0.00	ESPECTRO	1.75E-02	8.07E-05	2.24E-05		COMB10	0.0490	0.0447	-0.0001	0.0002	0.0000	0.0000
	0.99	ESPECTRO	1.75E-02	8.07E-05	5.97E-05								
	0.00	DEAD	6.01E-02	7.53E-05	3.99E-05								
	1.00	DEAD	5.53E-02	2.28E-04	-1.12E-04		COMB1	0.1183	0.1115	0.0001	0.0004	0.0001	-0.0002
	0.00	COBERT	4.54E-03	8.00E-06	-5.54E-07		COMB2	0.1304	0.1246	0.0002	0.0004	0.0001	-0.0002
	1.00	COBERT	4.54E-03	8.00E-06	-8.57E-06		COMB3	0.1446	0.1387	0.0002	0.0004	0.0000	-0.0002
	0.00	CORREAS	1.98E-02	1.56E-05	5.28E-06		COMB4	0.0763	0.0705	0.0001	0.0003	0.0001	-0.0001
2737	1.00	CORREAS	1.98E-02	1.56E-05	-1.04E-05	2737	COMB5	0.1224	0.1165	0.0002	0.0003	0.0001	-0.0002
	0.00	VIVA	1.82E-02	3.20E-05	-2.22E-06		COMB6	0.0804	0.0745	0.0001	0.0003	0.0001	-0.0001
	1.00	VIVA	1.82E-02	3.20E-05	-3.43E-05		COMB7	0.1101	0.1296	0.0001	0.0004	0.0000	-0.0002
	0.00	VIENTO	2.62E-02	4.63E-05	-3.20E-06		COMB8	0.0419	0.0375	0.0000	0.0002	0.0000	-0.0001
	1.00	VIENTO	2.62E-02	4.63E-05	-4.95E-05		COMB9	0.1325	0.1267	0.0002	0.0004	0.0001	-0.0001
	0.00	ESPECTRO	2.21E-02	1.01E-04	3.16E-05		COMB10	0.0981	0.0937	0.0002	0.0003	0.0001	0.0000
	1.00	ESPECTRO	2.21E-02	1.01E-04	7.00E-05								
	0.00	DEAD	8.31E-02	-2.83E-04	-1.13E-04								

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO AS-2 (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames

ELE.	Stat.	OutputCase	P	V2	M3
Text	m	Text	Ton	Ton	Ton-m
2738	1.01	DEAD	7.82E-02	-2.42E-04	1.52E-04
	0.00	COBERT	8.97E-03	-2.93E-05	-1.02E-05
	1.01	COBERT	8.97E-03	-2.93E-05	1.93E-05
	0.00	CORREAS	1.70E-02	-7.11E-05	-3.40E-05
	1.01	CORREAS	1.70E-02	-7.11E-05	3.78E-05
	0.00	VIVA	3.59E-02	-1.17E-04	-4.09E-05
	1.01	VIVA	3.59E-02	-1.17E-04	7.74E-05
	0.00	VIENTO	5.19E-02	-1.69E-04	-5.90E-05
	1.01	VIENTO	5.19E-02	-1.69E-04	1.12E-04
	0.00	ESPECTRO	2.66E-02	1.22E-04	4.30E-05
	1.01	ESPECTRO	2.66E-02	1.22E-04	7.99E-05
2739	0.00	DEAD	1.04E-01	-4.83E-04	-1.84E-04
	1.02	DEAD	9.88E-02	-2.46E-04	1.88E-04
	0.00	COBERT	1.29E-02	-4.89E-05	-2.05E-05
	1.02	COBERT	1.29E-02	-4.89E-05	2.92E-05
	0.00	CORREAS	3.53E-02	-9.49E-05	-4.65E-05
	1.02	CORREAS	3.53E-02	-9.49E-05	5.01E-05
	0.00	VIVA	5.15E-02	-1.95E-04	-8.20E-05
	1.02	VIVA	5.15E-02	-1.95E-04	1.17E-04
	0.00	VIENTO	7.44E-02	-2.82E-04	-1.19E-04
	1.02	VIENTO	7.44E-02	-2.82E-04	1.69E-04
	0.00	ESPECTRO	3.08E-02	1.41E-04	5.48E-05
	1.02	ESPECTRO	3.08E-02	1.41E-04	8.90E-05
2740	0.00	DEAD	1.22E-01	-6.78E-04	-2.49E-04
	1.03	DEAD	1.17E-01	-2.43E-04	2.23E-04
	0.00	COBERT	1.59E-02	-6.61E-05	-2.93E-05
	1.03	COBERT	1.59E-02	-6.61E-05	3.86E-05
	0.00	CORREAS	3.10E-02	-1.42E-04	-7.15E-05
	1.03	CORREAS	3.10E-02	-1.42E-04	7.46E-05
	0.00	VIVA	6.34E-02	-2.65E-04	-1.17E-04
	1.03	VIVA	6.34E-02	-2.65E-04	1.54E-04
	0.00	VIENTO	9.16E-02	-3.82E-04	-1.69E-04
	1.03	VIENTO	9.16E-02	-3.82E-04	2.23E-04
	0.00	ESPECTRO	3.48E-02	1.61E-04	6.64E-05
	1.03	ESPECTRO	3.48E-02	1.61E-04	9.91E-05
2741	0.00	DEAD	1.34E-01	-7.86E-04	-2.94E-04
	1.03	DEAD	1.29E-01	-1.53E-04	1.91E-04
	0.00	COBERT	1.74E-02	-6.94E-05	-3.36E-05
	1.03	COBERT	1.74E-02	-6.94E-05	3.82E-05
	0.00	CORREAS	4.58E-02	-1.40E-04	-7.61E-05
	1.03	CORREAS	4.58E-02	-1.40E-04	6.85E-05
	0.00	VIVA	6.96E-02	-2.78E-04	-1.34E-04
	1.03	VIVA	6.96E-02	-2.78E-04	1.53E-04
	0.00	VIENTO	1.01E-01	-4.01E-04	-1.94E-04
	1.03	VIENTO	1.01E-01	-4.01E-04	2.21E-04
	0.00	ESPECTRO	3.79E-02	1.59E-04	7.31E-05
	1.03	ESPECTRO	3.79E-02	1.59E-04	9.12E-05
2742	0.00	DEAD	1.48E-01	-1.51E-03	-5.00E-04
	1.04	DEAD	1.38E-01	1.19E-04	2.26E-04
	0.00	COBERT	1.81E-02	-1.05E-04	-5.00E-05
	1.04	COBERT	1.81E-02	-1.05E-04	5.90E-05
	0.00	CORREAS	3.97E-02	-2.27E-04	-1.31E-04
	1.04	CORREAS	3.97E-02	-2.27E-04	1.06E-04
	0.00	VIVA	7.23E-02	-4.19E-04	-2.00E-04
	1.04	VIVA	7.23E-02	-4.19E-04	2.36E-04
	0.00	VIENTO	1.04E-01	-6.05E-04	-2.89E-04
	1.04	VIENTO	1.04E-01	-6.05E-04	3.41E-04
	0.00	ESPECTRO	4.21E-02	2.39E-04	1.13E-04
	1.04	ESPECTRO	4.21E-02	2.39E-04	1.36E-04
2743	0.00	DEAD	1.47E-01	-1.65E-03	-4.75E-04
	1.05	DEAD	1.37E-01	3.75E-04	1.91E-04
	0.00	COBERT	1.63E-02	-9.35E-05	-3.91E-05
	1.05	COBERT	1.63E-02	-9.35E-05	5.89E-05
	0.00	CORREAS	5.06E-02	-2.02E-04	-1.07E-04
	1.05	CORREAS	5.06E-02	-2.02E-04	1.05E-04
	0.00	VIVA	6.51E-02	-3.74E-04	-1.56E-04
	1.05	VIVA	6.51E-02	-3.74E-04	2.36E-04
	0.00	VIENTO	9.40E-02	-5.40E-04	-2.26E-04
	1.05	VIENTO	9.40E-02	-5.40E-04	3.41E-04
	0.00	ESPECTRO	4.44E-02	2.31E-04	1.04E-04
	1.05	ESPECTRO	4.44E-02	2.31E-04	1.38E-04
2744	0.00	DEAD	1.43E-01	-1.85E-03	-5.18E-04
	1.06	DEAD	1.33E-01	5.65E-04	1.58E-04
	0.00	COBERT	1.27E-02	-8.28E-05	-3.28E-05
	1.06	COBERT	1.27E-02	-8.28E-05	5.45E-05
	0.00	CORREAS	3.96E-02	-2.16E-04	-1.18E-04
	1.06	CORREAS	3.96E-02	-2.16E-04	1.11E-04
	0.00	VIVA	5.09E-02	-3.31E-04	-1.31E-04

ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
2738	COMB1	0.1526	0.1458	-0.0005	-0.0005	-0.0002	0.0003
	COMB2	0.1883	0.1824	-0.0006	-0.0006	-0.0003	0.0004
	COMB3	0.2162	0.2103	-0.0007	-0.0007	-0.0003	0.0004
	COMB4	0.0814	0.0755	-0.0003	-0.0002	-0.0001	0.0001
	COMB5	0.1723	0.1664	-0.0006	-0.0005	-0.0002	0.0003
	COMB6	0.0893	0.0835	-0.0003	-0.0003	-0.0001	0.0002
	COMB7	0.1655	0.1923	-0.0006	-0.0006	-0.0002	0.0004
	COMB8	0.0307	0.0263	-0.0001	-0.0001	-0.0001	0.0000
	COMB9	0.1753	0.1695	-0.0004	-0.0003	-0.0002	0.0004
	COMB10	0.1247	0.1203	-0.0002	-0.0002	-0.0001	0.0003
2739							
	COMB1	0.2127	0.2058	-0.0009	-0.0005	-0.0004	0.0004
	COMB2	0.2647	0.2587	-0.0011	-0.0008	-0.0004	0.0005
	COMB3	0.3047	0.2988	-0.0012	-0.0009	-0.0005	0.0006
	COMB4	0.1114	0.1054	-0.0005	-0.0002	-0.0002	0.0002
	COMB5	0.2418	0.2359	-0.0010	-0.0007	-0.0004	0.0005
	COMB6	0.1228	0.1169	-0.0005	-0.0002	-0.0002	0.0002
	COMB7	0.2334	0.2731	-0.0009	-0.0008	-0.0004	0.0005
	COMB8	0.0401	0.0356	-0.0002	0.0000	-0.0001	0.0000
	COMB9	0.2389	0.2330	-0.0007	-0.0004	-0.0003	0.0005
	COMB10	0.1676	0.1631	-0.0004	-0.0002	-0.0002	0.0003
2740							
	COMB1	0.2358	0.2288	-0.0012	-0.0006	-0.0005	0.0005
	COMB2	0.3036	0.2977	-0.0015	-0.0010	-0.0006	0.0007
	COMB3	0.3530	0.3470	-0.0017	-0.0012	-0.0007	0.0008
	COMB4	0.1147	0.1087	-0.0007	-0.0002	-0.0003	0.0002
	COMB5	0.2754	0.2695	-0.0014	-0.0008	-0.0006	0.0006
	COMB6	0.1288	0.1228	-0.0008	-0.0002	-0.0003	0.0002
	COMB7	0.2707	0.3153	-0.0013	-0.0010	-0.0005	0.0007
	COMB8	0.0324	0.0280	-0.0003	0.0001	-0.0001	0.0000
	COMB9	0.2686	0.2627	-0.0010	-0.0005	-0.0004	0.0006
	COMB10	0.1864	0.1819	-0.0006	-0.0002	-0.0002	0.0004
2741							
	COMB1	0.2761	0.2692	-0.0014	-0.0005	-0.0006	0.0004
	COMB2	0.3480	0.3420	-0.0016	-0.0009	-0.0007	0.0006
	COMB3	0.4021	0.3962	-0.0019	-0.0011	-0.0008	0.0007
	COMB4	0.1408	0.1348	-0.0008	-0.0001	-0.0003	0.0001
	COMB5	0.3171	0.3111	-0.0015	-0.0008	-0.0006	0.0005
	COMB6	0.1563	0.1503	-0.0009	-0.0001	-0.0003	0.0002
	COMB7	0.3082	0.3614	-0.0014	-0.0010	-0.0006	0.0006
	COMB8	0.0469	0.0424	-0.0004	0.0002	-0.0001	0.0000
	COMB9	0.3094	0.3034	-0.0012	-0.0004	-0.0005	0.0005
	COMB10	0.2154	0.2109	-0.0007	-0.0002	-0.0003	0.0004
2742							
	COMB1	0.2876	0.2739	-0.0026	-0.0003	-0.0010	0.0005
	COMB2	0.3622	0.3505	-0.0029	-0.0009	-0.0011	0.0008
	COMB3	0.4185	0.4067	-0.0032	-0.0013	-0.0013	0.0010
	COMB4	0.1469	0.1352	-0.0016	0.0003	-0.0005	0.0001
	COMB5	0.3301	0.3184	-0.0027	-0.0007	-0.0010	0.0007
	COMB6	0.1630	0.1512	-0.0017	0.0002	-0.0006	0.0002
	COMB7	0.3207	0.3706	-0.0024	-0.0010	-0.0010	0.0009
	COMB8	0.0491	0.0403	-0.0009	0.0006	-0.0002	-0.0001
	COMB9	0.3248	0.3130	-0.0022	-0.0002	-0.0008	0.0007
	COMB10	0.2270	0.2182	-0.0014	0.0000	-0.0005	0.0005
2743							
	COMB1	0.2997	0.2860	-0.0027	0.0001	-0.0009	0.0005
	COMB2	0.3610	0.3493	-0.0029	-0.0005	-0.0010	0.0008
	COMB3	0.4116	0.3999	-0.0032	-0.0008	-0.0011	0.0010
	COMB4	0.1672	0.1554	-0.0018	0.0006	-0.0005	0.0001
	COMB5	0.3321	0.3204	-0.0028	-0.0003	-0.0009	0.0007
	COMB6	0.1816	0.1699	-0.0019	0.0005	-0.0006	0.0002
	COMB7	0.3149	0.3674	-0.0025	-0.0006	-0.0009	0.0009
	COMB8	0.0704	0.0616	-0.0010	0.0008	-0.0003	-0.0001
	COMB9	0.3338	0.3221	-0.0023	0.0001	-0.0007	0.0007
	COMB10	0.2371	0.2283	-0.0015	0.0003	-0.0005	0.0005
2744							
	COMB1	0.2738	0.2602	-0.0030	0.0004	-0.0009	0.0005
	COMB2	0.3161	0.3044	-0.0031	-0.0002	-0.0010	0.0007
	COMB3	0.3557	0.3440	-0.0034	-0.0005	-0.0011	0.0009
	COMB4	0.1646	0.1529	-0.0021	0.0008	-0.0006	0.0001
	COMB5	0.2935	0.2818	-0.0030	-0.0001	-0.0010	0.0006
	COMB6	0.1759	0.1642	-0.0022	0.0007	-0.0007	0.0001

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO AS-2 (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames

ELE.	Stat.	OutputCase	P	V2	M3
Text	m	Text	Ton	Ton	Ton-m
	1.06	VIVA	5.09E-02	-3.31E-04	2.18E-04
	0.00	VIENTO	7.35E-02	-4.78E-04	-1.90E-04
	1.06	VIENTO	7.35E-02	-4.78E-04	3.15E-04
	0.00	ESPECTRO	4.66E-02	2.44E-04	1.17E-04
	1.06	ESPECTRO	4.66E-02	2.44E-04	1.41E-04
	0.00	DEAD	1.34E-01	-2.01E-03	-5.38E-04
	1.06	DEAD	1.25E-01	7.87E-04	1.13E-04
	0.00	COBERT	7.71E-03	-6.03E-05	-2.03E-05
	1.06	COBERT	7.71E-03	-6.03E-05	4.38E-05
	0.00	CORREAS	4.62E-02	-2.01E-04	-1.10E-04
2745	1.06	CORREAS	4.62E-02	-2.01E-04	1.04E-04
	0.00	VIVA	3.08E-02	-2.41E-04	-8.10E-05
	1.06	VIVA	3.08E-02	-2.41E-04	1.75E-04
	0.00	VIENTO	4.46E-02	-3.48E-04	-1.17E-04
	1.06	VIENTO	4.46E-02	-3.48E-04	2.53E-04
	0.00	ESPECTRO	4.82E-02	2.53E-04	1.26E-04
	1.06	ESPECTRO	4.82E-02	2.53E-04	1.43E-04
	0.00	DEAD	1.21E-01	-2.15E-03	-5.44E-04
	1.07	DEAD	1.11E-01	1.03E-03	5.33E-05
	0.00	COBERT	2.34E-03	-3.55E-05	-6.32E-06
	1.07	COBERT	2.34E-03	-3.55E-05	3.16E-05
	0.00	CORREAS	3.20E-02	-1.88E-04	-1.04E-04
2746	1.07	CORREAS	3.20E-02	-1.88E-04	9.65E-05
	0.00	VIVA	9.34E-03	-1.42E-04	-2.53E-05
	1.07	VIVA	9.34E-03	-1.42E-04	1.26E-04
	0.00	VIENTO	1.35E-02	-2.05E-04	-3.65E-05
	1.07	VIENTO	1.35E-02	-2.05E-04	1.82E-04
	0.00	ESPECTRO	4.93E-02	2.56E-04	1.32E-04
	1.07	ESPECTRO	4.93E-02	2.56E-04	1.41E-04
	0.00	DEAD	1.04E-01	-2.26E-03	-5.41E-04
	1.07	DEAD	9.41E-02	1.31E-03	-3.26E-05
	0.00	COBERT	-3.60E-03	-7.26E-06	1.09E-05
	1.07	COBERT	-3.60E-03	-7.26E-06	1.87E-05
	0.00	CORREAS	3.44E-02	-1.61E-04	-8.89E-05
2747	1.07	CORREAS	3.44E-02	-1.61E-04	8.36E-05
	0.00	VIVA	-1.44E-02	-2.90E-05	4.37E-05
	1.07	VIVA	-1.44E-02	-2.90E-05	7.49E-05
	0.00	VIENTO	-2.08E-02	-4.19E-05	6.32E-05
	1.07	VIENTO	-2.08E-02	-4.19E-05	1.08E-04
	0.00	ESPECTRO	4.98E-02	2.75E-04	1.45E-04
	1.07	ESPECTRO	4.98E-02	2.75E-04	1.50E-04
	0.00	DEAD	8.63E-02	-2.50E-03	-5.44E-04
	1.08	DEAD	7.68E-02	1.45E-03	2.25E-05
	0.00	COBERT	-1.24E-02	-5.61E-06	1.79E-05
	1.08	COBERT	-1.24E-02	-5.61E-06	2.40E-05
	0.00	CORREAS	1.83E-02	-8.96E-05	-5.45E-05
2748	1.08	CORREAS	1.83E-02	-8.96E-05	4.21E-05
	0.00	VIVA	-4.97E-02	-2.24E-05	7.16E-05
	1.08	VIVA	-4.97E-02	-2.24E-05	9.58E-05
	0.00	VIENTO	-7.17E-02	-3.24E-05	1.03E-04
	1.08	VIENTO	-7.17E-02	-3.24E-05	1.38E-04
	0.00	ESPECTRO	5.02E-02	1.83E-04	1.05E-04
	1.08	ESPECTRO	5.02E-02	1.83E-04	9.27E-05
	0.00	DEAD	-3.67E-03	-3.27E-03	-5.38E-04
	0.80	DEAD	-3.67E-03	5.95E-04	5.28E-04
	0.00	COBERT	-5.00E-03	5.55E-06	2.52E-05
	0.80	COBERT	-5.00E-03	5.55E-06	2.08E-05
	0.00	CORREAS	-1.86E-02	-1.73E-04	-5.52E-05
3068	0.80	CORREAS	-1.86E-02	-1.73E-04	8.21E-05
	0.00	VIVA	-2.00E-02	2.22E-05	1.01E-04
	0.80	VIVA	-2.00E-02	2.22E-05	8.33E-05
	0.00	VIENTO	-2.89E-02	3.21E-05	1.46E-04
	0.80	VIENTO	-2.89E-02	3.21E-05	1.20E-04
	0.00	ESPECTRO	1.21E-04	6.22E-05	1.49E-05
	0.80	ESPECTRO	1.21E-04	6.22E-05	3.46E-05
	0.00	DEAD	-3.67E-03	5.95E-04	5.28E-04
	0.40	DEAD	-3.67E-03	3.49E-03	-2.89E-04
	0.00	COBERT	-5.00E-03	5.55E-06	2.08E-05
	0.40	COBERT	-5.00E-03	5.55E-06	1.86E-05
	0.00	CORREAS	-1.86E-02	-1.73E-04	8.21E-05
3069	0.40	CORREAS	-1.86E-02	-1.73E-04	1.51E-04
	0.00	VIVA	-2.00E-02	2.22E-05	8.33E-05
	0.40	VIVA	-2.00E-02	2.22E-05	7.44E-05
	0.00	VIENTO	-2.89E-02	3.21E-05	1.20E-04
	0.40	VIENTO	-2.89E-02	3.21E-05	1.07E-04
	0.00	ESPECTRO	1.21E-04	6.37E-05	3.46E-05
	0.40	ESPECTRO	1.21E-04	6.37E-05	5.93E-05
	0.00	DEAD	3.24E-01	-7.87E-04	4.91E-04

ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
	COMB7	0.2716	0.3185	-0.0026	-0.0003	-0.0008	0.0008
	COMB8	0.0805	0.0717	-0.0013	0.0009	-0.0004	-0.0001
	COMB9	0.3068	0.2951	-0.0025	0.0004	-0.0008	0.0006
	COMB10	0.2227	0.2139	-0.0017	0.0005	-0.0005	0.0004
	COMB1	0.2634	0.2498	-0.0032	0.0007	-0.0009	0.0004
	COMB2	0.2751	0.2635	-0.0031	0.0002	-0.0009	0.0006
	COMB3	0.2991	0.2875	-0.0033	0.0001	-0.0010	0.0007
	COMB4	0.1833	0.1716	-0.0024	0.0010	-0.0007	0.0001
2745	COMB5	0.2614	0.2498	-0.0030	0.0004	-0.0009	0.0005
	COMB6	0.1901	0.1785	-0.0025	0.0009	-0.0007	0.0001
	COMB7	0.2272	0.2720	-0.0025	0.0002	-0.0008	0.0006
	COMB8	0.1114	0.1027	-0.0016	0.0009	-0.0004	-0.0001
	COMB9	0.2894	0.2777	-0.0026	0.0008	-0.0007	0.0005
	COMB10	0.2175	0.2088	-0.0018	0.0007	-0.0005	0.0004
	COMB1	0.2175	0.2040	-0.0033	0.0011	-0.0009	0.0003
	COMB2	0.2014	0.1898	-0.0031	0.0007	-0.0008	0.0004
	COMB3	0.2086	0.1970	-0.0032	0.0006	-0.0008	0.0005
	COMB4	0.1735	0.1619	-0.0027	0.0012	-0.0008	0.0000
	COMB5	0.1972	0.1856	-0.0030	0.0008	-0.0008	0.0004
2746	COMB6	0.1756	0.1640	-0.0027	0.0011	-0.0008	0.0001
	COMB7	0.1574	0.1924	-0.0024	0.0007	-0.0006	0.0005
	COMB8	0.1223	0.1136	-0.0019	0.0010	-0.0005	-0.0001
	COMB9	0.2403	0.2288	-0.0027	0.0012	-0.0007	0.0004
	COMB10	0.1891	0.1804	-0.0019	0.0010	-0.0005	0.0003
	COMB1	0.1883	0.1749	-0.0034	0.0016	-0.0009	0.0001
	COMB2	0.1384	0.1269	-0.0030	0.0013	-0.0007	0.0002
	COMB3	0.1272	0.1157	-0.0030	0.0013	-0.0006	0.0003
	COMB4	0.1813	0.1698	-0.0029	0.0014	-0.0008	0.0000
	COMB5	0.1448	0.1333	-0.0029	0.0013	-0.0007	0.0002
2747	COMB6	0.1781	0.1666	-0.0029	0.0014	-0.0008	0.0000
	COMB7	0.0940	0.1229	-0.0022	0.0013	-0.0005	0.0002
	COMB8	0.1481	0.1395	-0.0021	0.0011	-0.0006	-0.0001
	COMB9	0.2040	0.1925	-0.0027	0.0016	-0.0006	0.0003
	COMB10	0.1709	0.1622	-0.0019	0.0013	-0.0004	0.0002
	COMB1	0.1290	0.1157	-0.0036	0.0019	-0.0008	0.0001
	COMB2	0.0311	0.0197	-0.0031	0.0016	-0.0006	0.0003
	COMB3	-0.0075	-0.0189	-0.0032	0.0016	-0.0005	0.0003
	COMB4	0.1790	0.1676	-0.0031	0.0017	-0.0008	0.0000
	COMB5	0.0532	0.0418	-0.0031	0.0016	-0.0006	0.0002
2748	COMB6	0.1679	0.1565	-0.0031	0.0017	-0.0008	0.0000
	COMB7	-0.0103	0.0059	-0.0024	0.0016	-0.0004	0.0003
	COMB8	0.1762	0.1676	-0.0023	0.0013	-0.0007	-0.0001
	COMB9	0.1359	0.1245	-0.0029	0.0018	-0.0006	0.0002
	COMB10	0.1331	0.1246	-0.0022	0.0014	-0.0004	0.0002
	COMB1	-0.0381	-0.0381	-0.0048	0.0006	-0.0008	0.0009
	COMB2	-0.0647	-0.0647	-0.0041	0.0005	-0.0005	0.0009
	COMB3	-0.0802	-0.0802	-0.0041	0.0006	-0.0004	0.0010
	COMB4	-0.0051	-0.0051	-0.0042	0.0005	-0.0008	0.0006
	COMB5	-0.0558	-0.0558	-0.0041	0.0005	-0.0006	0.0009
3068	COMB6	-0.0096	-0.0096	-0.0042	0.0005	-0.0008	0.0007
	COMB7	-0.0620	-0.0702	-0.0031	0.0006	-0.0003	0.0009
	COMB8	0.0130	0.0130	-0.0031	0.0003	-0.0007	0.0004
	COMB9	-0.0426	-0.0426	-0.0041	0.0006	-0.0006	0.0008
	COMB10	-0.0244	-0.0244	-0.0030	0.0004	-0.0005	0.0006
	COMB1	-0.0381	-0.0381	0.0006	0.0047	0.0009	-0.0002
	COMB2	-0.0647	-0.0647	0.0005	0.0040	0.0009	0.0000
	COMB3	-0.0802	-0.0802	0.0006	0.0040	0.0010	0.0000
	COMB4	-0.0051	-0.0051	0.0005	0.0040	0.0006	-0.0002
	COMB5	-0.0558	-0.0558	0.0005	0.0040	0.0009	-0.0001
3069	COMB6	-0.0096	-0.0096	0.0005	0.0040	0.0007	-0.0002
	COMB7	-0.0620	-0.0702	0.0004	0.0040	0.0007	0.0000
	COMB8	0.0130	0.0130	0.0003	0.0030	0.0004	-0.0002
	COMB9	-0.0426	-0.0426	0.0006	0.0041	0.0008	0.0000
	COMB10	-0.0244	-0.0244	0.0004	0.0031	0.0006	0.0000

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO AS-2 (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames

ELE.	Stat.	OutputCase	P	V2	M3
Text	m	Text	Ton	Ton	Ton-m
3342	1.08	DEAD	3.34E-01	3.16E-03	-7.89E-04
	0.00	COBERT	8.86E-02	2.72E-04	2.08E-04
	1.08	COBERT	8.86E-02	2.72E-04	-8.53E-05
	0.00	CORREAS	1.26E-01	3.58E-04	2.31E-04
	1.08	CORREAS	1.26E-01	3.58E-04	-1.55E-04
	0.00	VIVA	3.54E-01	1.09E-03	8.32E-04
	1.08	VIVA	3.54E-01	1.09E-03	-3.41E-04
	0.00	VIENTO	5.12E-01	1.57E-03	1.20E-03
	1.08	VIENTO	5.12E-01	1.57E-03	-4.93E-04
	0.00	ESPECTRO	5.48E-02	1.68E-04	9.73E-05
	1.08	ESPECTRO	5.48E-02	1.68E-04	8.76E-05
3343	0.00	DEAD	3.01E-01	-1.76E-04	7.91E-04
	1.07	DEAD	3.11E-01	3.39E-03	-9.36E-04
	0.00	COBERT	8.20E-02	4.77E-04	3.54E-04
	1.07	COBERT	8.20E-02	4.77E-04	-1.58E-04
	0.00	CORREAS	1.24E-01	6.56E-04	4.43E-04
	1.07	CORREAS	1.24E-01	6.56E-04	-2.61E-04
	0.00	VIVA	3.28E-01	1.91E-03	1.42E-03
	1.07	VIVA	3.28E-01	1.91E-03	-6.31E-04
	0.00	VIENTO	4.74E-01	2.76E-03	2.05E-03
	1.07	VIENTO	4.74E-01	2.76E-03	-9.12E-04
	0.00	ESPECTRO	5.11E-02	2.79E-04	1.75E-04
	1.07	ESPECTRO	5.11E-02	2.79E-04	1.29E-04
3344	0.00	DEAD	2.78E-01	-2.01E-04	7.19E-04
	1.07	DEAD	2.88E-01	2.99E-03	-7.68E-04
	0.00	COBERT	7.22E-02	3.85E-04	3.04E-04
	1.07	COBERT	7.22E-02	3.85E-04	-1.07E-04
	0.00	CORREAS	1.04E-01	5.49E-04	3.85E-04
	1.07	CORREAS	1.04E-01	5.49E-04	-2.01E-04
	0.00	VIVA	2.89E-01	1.54E-03	1.22E-03
	1.07	VIVA	2.89E-01	1.54E-03	-4.30E-04
	0.00	VIENTO	4.17E-01	2.23E-03	1.76E-03
	1.07	VIENTO	4.17E-01	2.23E-03	-6.21E-04
	0.00	ESPECTRO	4.73E-02	2.38E-04	1.53E-04
	1.07	ESPECTRO	4.73E-02	2.38E-04	1.09E-04
3345	0.00	DEAD	2.52E-01	-1.22E-04	7.08E-04
	1.06	DEAD	2.62E-01	2.68E-03	-6.48E-04
	0.00	COBERT	6.25E-02	3.45E-04	2.90E-04
	1.06	COBERT	6.25E-02	3.45E-04	-7.67E-05
	0.00	CORREAS	1.02E-01	4.89E-04	3.62E-04
	1.06	CORREAS	1.02E-01	4.89E-04	-1.57E-04
	0.00	VIVA	2.50E-01	1.38E-03	1.16E-03
	1.06	VIVA	2.50E-01	1.38E-03	-3.07E-04
	0.00	VIENTO	3.61E-01	1.99E-03	1.67E-03
	1.06	VIENTO	3.61E-01	1.99E-03	-4.43E-04
	0.00	ESPECTRO	4.34E-02	2.22E-04	1.47E-04
	1.06	ESPECTRO	4.34E-02	2.22E-04	9.85E-05
3346	0.00	DEAD	2.24E-01	-7.72E-05	6.75E-04
	1.06	DEAD	2.34E-01	2.33E-03	-5.16E-04
	0.00	COBERT	5.32E-02	2.98E-04	2.69E-04
	1.06	COBERT	5.32E-02	2.98E-04	-4.51E-05
	0.00	CORREAS	7.90E-02	4.27E-04	3.34E-04
	1.06	CORREAS	7.90E-02	4.27E-04	-1.16E-04
	0.00	VIVA	2.13E-01	1.19E-03	1.08E-03
	1.06	VIVA	2.13E-01	1.19E-03	-1.80E-04
	0.00	VIENTO	3.07E-01	1.72E-03	1.56E-03
	1.06	VIENTO	3.07E-01	1.72E-03	-2.61E-04
	0.00	ESPECTRO	3.94E-02	1.99E-04	1.36E-04
	1.06	ESPECTRO	3.94E-02	1.99E-04	8.70E-05
3347	0.00	DEAD	1.94E-01	-4.93E-05	6.35E-04
	1.05	DEAD	2.04E-01	1.97E-03	-3.73E-04
	0.00	COBERT	4.32E-02	2.45E-04	2.45E-04
	1.05	COBERT	4.32E-02	2.45E-04	-1.11E-05
	0.00	CORREAS	7.49E-02	3.42E-04	2.96E-04
	1.05	CORREAS	7.49E-02	3.42E-04	-6.21E-05
	0.00	VIVA	1.73E-01	9.79E-04	9.82E-04
	1.05	VIVA	1.73E-01	9.79E-04	-4.43E-05
	0.00	VIENTO	2.49E-01	1.41E-03	1.42E-03
	1.05	VIENTO	2.49E-01	1.41E-03	-6.40E-05
	0.00	ESPECTRO	3.49E-02	1.73E-04	1.26E-04
	1.05	ESPECTRO	3.49E-02	1.73E-04	7.41E-05
3348	0.00	DEAD	1.63E-01	4.82E-05	5.97E-04
	1.04	DEAD	1.72E-01	1.68E-03	-3.03E-04
	0.00	COBERT	3.23E-02	1.95E-04	2.17E-04
	1.04	COBERT	3.23E-02	1.95E-04	1.35E-05
	0.00	CORREAS	5.01E-02	2.97E-04	2.65E-04
	1.04	CORREAS	5.01E-02	2.97E-04	-4.43E-05
	0.00	VIVA	1.29E-01	7.80E-04	8.66E-04

ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
3342	COMB1	0.7538	0.7671	-0.0002	0.0053	0.0013	-0.0014
	COMB2	1.2132	1.2246	0.0016	0.0063	0.0024	-0.0018
	COMB3	1.4889	1.5003	0.0024	0.0071	0.0031	-0.0020
	COMB4	0.1577	0.1691	-0.0017	0.0030	0.0000	-0.0008
	COMB5	1.0557	1.0671	0.0011	0.0058	0.0021	-0.0016
	COMB6	0.2365	0.2479	-0.0014	0.0033	0.0002	-0.0008
	COMB7	1.1502	1.3231	0.0019	0.0066	0.0024	-0.0019
	COMB8	-0.1810	-0.1725	-0.0022	0.0014	-0.0007	-0.0003
	COMB9	0.8781	0.8895	0.0005	0.0053	0.0016	-0.0013
	COMB10	0.5394	0.5479	0.0000	0.0036	0.0009	-0.0008
3343	COMB1	0.7108	0.7242	0.0013	0.0063	0.0022	-0.0019
	COMB2	1.1340	1.1454	0.0042	0.0085	0.0042	-0.0026
	COMB3	1.3891	1.4006	0.0057	0.0100	0.0053	-0.0031
	COMB4	0.1573	0.1688	-0.0015	0.0028	0.0000	-0.0008
	COMB5	0.9883	0.9998	0.0034	0.0076	0.0035	-0.0024
	COMB6	0.2302	0.2417	-0.0011	0.0032	0.0003	-0.0009
	COMB7	1.0728	1.2366	0.0044	0.0090	0.0041	-0.0028
	COMB8	-0.1590	-0.1503	-0.0027	0.0005	-0.0012	0.0000
	COMB9	0.8243	0.8358	0.0024	0.0067	0.0028	-0.0018
	COMB10	0.5080	0.5166	0.0011	0.0044	0.0016	-0.0011
3344	COMB1	0.6360	0.6495	0.0010	0.0055	0.0020	-0.0015
	COMB2	1.0072	1.0188	0.0033	0.0072	0.0036	-0.0020
	COMB3	1.2320	1.2435	0.0045	0.0084	0.0046	-0.0023
	COMB4	0.1472	0.1588	-0.0012	0.0026	0.0000	-0.0007
	COMB5	0.8789	0.8905	0.0027	0.0065	0.0031	-0.0018
	COMB6	0.2114	0.2230	-0.0009	0.0029	0.0003	-0.0008
	COMB7	0.9513	1.0991	0.0036	0.0076	0.0035	-0.0021
	COMB8	-0.1335	-0.1248	-0.0022	0.0006	-0.0010	-0.0002
	COMB9	0.7369	0.7485	0.0019	0.0057	0.0024	-0.0014
	COMB10	0.4562	0.4649	0.0009	0.0038	0.0014	-0.0009
3345	COMB1	0.5827	0.5963	0.0010	0.0049	0.0019	-0.0012
	COMB2	0.8994	0.9110	0.0031	0.0064	0.0035	-0.0015
	COMB3	1.0938	1.1055	0.0041	0.0075	0.0044	-0.0018
	COMB4	0.1550	0.1666	-0.0010	0.0023	0.0000	-0.0006
	COMB5	0.7883	0.8000	0.0024	0.0058	0.0030	-0.0014
	COMB6	0.2106	0.2222	-0.0007	0.0026	0.0003	-0.0007
	COMB7	0.8440	0.9805	0.0032	0.0068	0.0034	-0.0016
	COMB8	-0.0948	-0.0861	-0.0020	0.0006	-0.0010	-0.0002
	COMB9	0.6678	0.6795	0.0018	0.0051	0.0024	-0.0011
	COMB10	0.4180	0.4268	0.0009	0.0034	0.0014	-0.0007
3346	COMB1	0.4992	0.5128	0.0009	0.0043	0.0018	-0.0009
	COMB2	0.7681	0.7798	0.0027	0.0056	0.0033	-0.0011
	COMB3	0.9335	0.9452	0.0036	0.0065	0.0041	-0.0012
	COMB4	0.1349	0.1466	-0.0009	0.0020	0.0000	-0.0006
	COMB5	0.6736	0.6853	0.0022	0.0050	0.0028	-0.0010
	COMB6	0.1822	0.1939	-0.0006	0.0023	0.0003	-0.0006
	COMB7	0.7202	0.8389	0.0028	0.0059	0.0032	-0.0012
	COMB8	-0.0784	-0.0696	-0.0017	0.0005	-0.0009	-0.0003
	COMB9	0.5736	0.5853	0.0016	0.0045	0.0022	-0.0008
	COMB10	0.3603	0.3691	0.0008	0.0030	0.0013	-0.0005
3347	COMB1	0.4369	0.4505	0.0008	0.0036	0.0016	-0.0006
	COMB2	0.6507	0.6624	0.0022	0.0046	0.0030	-0.0006
	COMB3	0.7850	0.7968	0.0030	0.0054	0.0037	-0.0006
	COMB4	0.1365	0.1482	-0.0007	0.0017	0.0001	-0.0005
	COMB5	0.5740	0.5857	0.0018	0.0042	0.0025	-0.0006
	COMB6	0.1749	0.1866	-0.0005	0.0019	0.0003	-0.0005
	COMB7	0.6051	0.7104	0.0023	0.0049	0.0029	-0.0006
	COMB8	-0.0434	-0.0346	-0.0014	0.0005	-0.0008	-0.0003
	COMB9	0.4957	0.5074	0.0013	0.0037	0.0020	-0.0005
	COMB10	0.3158	0.3246	0.0007	0.0025	0.0012	-0.0003
3348	COMB1	0.3430	0.3567	0.0008	0.0030	0.0015	-0.0005
	COMB2	0.5010	0.5128	0.0019	0.0039	0.0027	-0.0003
	COMB3	0.6017	0.6134	0.0025	0.0045	0.0034	-0.0003
	COMB4	0.1157	0.1274	-0.0004	0.0015	0.0001	-0.0005
	COMB5	0.4436	0.4553	0.0016	0.0035	0.0023	-0.0003
	COMB6	0.1445	0.1562	-0.0003	0.0017	0.0003	-0.0005

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO AS-2 (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames

ELE.	Stat.	OutputCase	P	V2	M3
Text	m	Text	Ton	Ton	Ton-m
	1.04	VIVA	1.29E-01	7.80E-04	5.41E-05
	0.00	VIENTO	1.87E-01	1.13E-03	1.25E-03
	1.04	VIENTO	1.87E-01	1.13E-03	7.82E-05
	0.00	ESPECTRO	3.04E-02	1.60E-04	1.15E-04
	1.04	ESPECTRO	3.04E-02	1.60E-04	7.52E-05
	0.00	DEAD	1.24E-01	1.54E-04	3.62E-04
	1.03	DEAD	1.29E-01	7.88E-04	-1.25E-04
	0.00	COBERT	1.96E-02	8.71E-05	1.14E-04
	1.03	COBERT	1.96E-02	8.71E-05	2.38E-05
	0.00	CORREAS	4.32E-02	1.39E-04	1.42E-04
3349	1.03	CORREAS	4.32E-02	1.39E-04	-1.93E-06
	0.00	VIVA	7.86E-02	3.49E-04	4.55E-04
	1.03	VIVA	7.86E-02	3.49E-04	9.51E-05
	0.00	VIENTO	1.14E-01	5.04E-04	6.58E-04
	1.03	VIENTO	1.14E-01	5.04E-04	1.37E-04
	0.00	ESPECTRO	2.44E-02	9.26E-05	6.73E-05
	1.03	ESPECTRO	2.44E-02	9.26E-05	4.37E-05
	0.00	DEAD	8.47E-02	1.39E-04	3.44E-04
	1.03	DEAD	8.97E-02	5.74E-04	-2.17E-05
	0.00	COBERT	7.31E-03	4.28E-05	9.56E-05
	1.03	COBERT	7.31E-03	4.28E-05	5.17E-05
	0.00	CORREAS	1.67E-02	9.48E-05	1.26E-04
3350	1.03	CORREAS	1.67E-02	9.48E-05	2.83E-05
	0.00	VIVA	2.92E-02	1.71E-04	3.82E-04
	1.03	VIVA	2.92E-02	1.71E-04	2.07E-04
	0.00	VIENTO	4.22E-02	2.47E-04	5.52E-04
	1.03	VIENTO	4.22E-02	2.47E-04	2.99E-04
	0.00	ESPECTRO	1.91E-02	7.89E-05	6.42E-05
	1.03	ESPECTRO	1.91E-02	7.89E-05	3.66E-05
	0.00	DEAD	4.24E-02	3.35E-05	2.55E-04
	1.02	DEAD	4.74E-02	2.71E-04	9.97E-05
	0.00	COBERT	-5.67E-03	-1.91E-05	6.39E-05
	1.02	COBERT	-5.67E-03	-1.91E-05	8.34E-05
	0.00	CORREAS	1.04E-02	2.22E-07	7.76E-05
3351	1.02	CORREAS	1.04E-02	2.22E-07	7.74E-05
	0.00	VIVA	-2.27E-02	-7.66E-05	2.56E-04
	1.02	VIVA	-2.27E-02	-7.66E-05	3.34E-04
	0.00	VIENTO	-3.27E-02	-1.11E-04	3.69E-04
	1.02	VIENTO	-3.27E-02	-1.11E-04	4.82E-04
	0.00	ESPECTRO	1.35E-02	4.96E-05	5.03E-05
	1.02	ESPECTRO	1.35E-02	4.96E-05	3.16E-05
	0.00	DEAD	-1.28E-04	-6.57E-05	1.72E-04
	1.01	DEAD	4.78E-03	-2.41E-05	2.17E-04
	0.00	COBERT	-1.87E-02	-7.90E-05	3.40E-05
	1.01	COBERT	-1.87E-02	-7.90E-05	1.14E-04
	0.00	CORREAS	-1.75E-02	-6.48E-05	4.48E-05
3352	1.01	CORREAS	-1.75E-02	-6.48E-05	1.10E-04
	0.00	VIVA	-7.48E-02	-3.16E-04	1.36E-04
	1.01	VIVA	-7.48E-02	-3.16E-04	4.55E-04
	0.00	VIENTO	-1.08E-01	-4.57E-04	1.96E-04
	1.01	VIENTO	-1.08E-01	-4.57E-04	6.57E-04
	0.00	ESPECTRO	8.66E-03	2.29E-05	3.82E-05
	1.01	ESPECTRO	8.66E-03	2.29E-05	3.37E-05
	0.00	DEAD	-4.25E-02	1.65E-04	-8.81E-05
	1.00	DEAD	-3.77E-02	3.17E-04	-3.29E-04
	0.00	COBERT	-3.15E-02	1.37E-04	-4.66E-06
	1.00	COBERT	-3.15E-02	1.37E-04	-1.42E-04
	0.00	CORREAS	-2.31E-02	1.57E-04	1.21E-06
3353	1.00	CORREAS	-2.31E-02	1.57E-04	-1.56E-04
	0.00	VIVA	-1.26E-01	5.48E-04	-1.86E-05
	1.00	VIVA	-1.26E-01	5.48E-04	-5.68E-04
	0.00	VIENTO	-1.82E-01	7.92E-04	-2.69E-05
	1.00	VIENTO	-1.82E-01	7.92E-04	-8.20E-04
	0.00	ESPECTRO	6.74E-03	1.39E-05	2.74E-05
	1.00	ESPECTRO	6.74E-03	1.39E-05	4.12E-05
	0.00	DEAD	-8.44E-02	2.67E-04	-5.33E-06
	0.99	DEAD	-7.96E-02	6.11E-04	-4.41E-04
	0.00	COBERT	-4.38E-02	1.95E-04	2.37E-05
	0.99	COBERT	-4.38E-02	1.95E-04	-1.70E-04
	0.00	CORREAS	-5.09E-02	2.19E-04	3.18E-05
3354	0.99	CORREAS	-5.09E-02	2.19E-04	-1.86E-04
	0.00	VIVA	-1.75E-01	7.79E-04	9.48E-05
	0.99	VIVA	-1.75E-01	7.79E-04	-6.79E-04
	0.00	VIENTO	-2.53E-01	1.13E-03	1.37E-04
	0.99	VIENTO	-2.53E-01	1.13E-03	-9.81E-04
	0.00	ESPECTRO	9.52E-03	3.76E-05	1.96E-05
	0.99	ESPECTRO	9.52E-03	3.76E-05	5.18E-05
	0.00	DEAD	-1.23E-01	2.93E-04	6.13E-05

ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
	COMB7	0.4635	0.5487	0.0020	0.0041	0.0026	-0.0003
	COMB8	-0.0225	-0.0137	-0.0010	0.0005	-0.0007	-0.0004
	COMB9	0.3891	0.4008	0.0012	0.0032	0.0018	-0.0003
	COMB10	0.2509	0.2597	0.0006	0.0021	0.0011	-0.0002
	COMB1	0.2617	0.2686	0.0005	0.0014	0.0009	-0.0001
	COMB2	0.3500	0.3560	0.0010	0.0018	0.0015	0.0000
	COMB3	0.4111	0.4171	0.0013	0.0020	0.0018	0.0001
	COMB4	0.1160	0.1220	0.0000	0.0007	0.0001	-0.0003
3349	COMB5	0.3151	0.3211	0.0009	0.0016	0.0013	0.0000
	COMB6	0.1335	0.1394	0.0001	0.0008	0.0002	-0.0002
	COMB7	0.3158	0.3778	0.0010	0.0019	0.0014	0.0001
	COMB8	0.0206	0.0251	-0.0003	0.0003	-0.0003	-0.0003
	COMB9	0.2879	0.2939	0.0007	0.0015	0.0010	0.0000
	COMB10	0.1926	0.1971	0.0004	0.0010	0.0006	0.0000
	COMB1	0.1522	0.1592	0.0004	0.0010	0.0008	0.0001
	COMB2	0.1772	0.1832	0.0006	0.0011	0.0013	0.0004
	COMB3	0.2000	0.2060	0.0007	0.0013	0.0016	0.0006
	COMB4	0.0902	0.0961	0.0001	0.0006	0.0002	-0.0002
3350	COMB5	0.1642	0.1702	0.0005	0.0011	0.0011	0.0003
	COMB6	0.0967	0.1026	0.0001	0.0007	0.0002	-0.0002
	COMB7	0.1528	0.1913	0.0006	0.0012	0.0012	0.0005
	COMB8	0.0429	0.0474	-0.0001	0.0003	-0.0002	-0.0003
	COMB9	0.1641	0.1701	0.0005	0.0010	0.0009	0.0002
	COMB10	0.1169	0.1214	0.0003	0.0007	0.0006	0.0001
	COMB1	0.0660	0.0729	0.0000	0.0004	0.0006	0.0004
	COMB2	0.0203	0.0262	-0.0001	0.0002	0.0009	0.0008
	COMB3	0.0027	0.0086	-0.0002	0.0001	0.0011	0.0011
	COMB4	0.0878	0.0937	0.0001	0.0004	0.0001	-0.0001
3351	COMB5	0.0304	0.0363	-0.0001	0.0002	0.0008	0.0007
	COMB6	0.0828	0.0887	0.0001	0.0004	0.0002	-0.0001
	COMB7	-0.0001	0.0199	-0.0001	0.0002	0.0008	0.0009
	COMB8	0.0850	0.0894	0.0002	0.0004	-0.0001	-0.0004
	COMB9	0.0587	0.0646	0.0000	0.0003	0.0007	0.0005
	COMB10	0.0559	0.0604	0.0001	0.0003	0.0004	0.0003
	COMB1	-0.0509	-0.0440	-0.0003	-0.0002	0.0004	0.0006
	COMB2	-0.1634	-0.1575	-0.0008	-0.0007	0.0005	0.0013
	COMB3	-0.2216	-0.2157	-0.0010	-0.0010	0.0006	0.0016
	COMB4	0.0595	0.0654	0.0002	0.0002	0.0001	-0.0001
3352	COMB5	-0.1301	-0.1242	-0.0006	-0.0006	0.0005	0.0011
	COMB6	0.0428	0.0487	0.0001	0.0002	0.0001	0.0000
	COMB7	-0.1733	-0.1783	-0.0008	-0.0008	0.0005	0.0014
	COMB8	0.1078	0.1122	0.0004	0.0004	0.0000	-0.0005
	COMB9	-0.0724	-0.0665	-0.0004	-0.0003	0.0004	0.0008
	COMB10	-0.0241	-0.0197	-0.0002	-0.0001	0.0003	0.0004
	COMB1	-0.1360	-0.1292	0.0006	0.0009	-0.0001	-0.0009
	COMB2	-0.3181	-0.3123	0.0014	0.0016	-0.0001	-0.0017
	COMB3	-0.4161	-0.4103	0.0019	0.0020	-0.0002	-0.0021
	COMB4	0.0570	0.0629	-0.0002	0.0000	-0.0001	0.0000
3353	COMB5	-0.2622	-0.2563	0.0012	0.0014	-0.0001	-0.0014
	COMB6	0.0290	0.0349	-0.0001	0.0001	-0.0001	-0.0001
	COMB7	-0.3240	-0.3473	0.0014	0.0018	-0.0001	-0.0018
	COMB8	0.1492	0.1536	-0.0006	-0.0005	0.0000	0.0005
	COMB9	-0.1728	-0.1670	0.0008	0.0010	-0.0001	-0.0010
	COMB10	-0.0807	-0.0763	0.0004	0.0006	-0.0001	-0.0005
	COMB1	-0.2508	-0.2440	0.0010	0.0014	0.0001	-0.0011
	COMB2	-0.4954	-0.4896	0.0021	0.0025	0.0002	-0.0020
	COMB3	-0.6317	-0.6259	0.0027	0.0031	0.0003	-0.0026
	COMB4	0.0266	0.0324	-0.0003	0.0002	-0.0001	0.0000
3354	COMB5	-0.4175	-0.4117	0.0017	0.0021	0.0002	-0.0017
	COMB6	-0.0124	-0.0066	-0.0001	0.0003	0.0000	-0.0002
	COMB7	-0.4904	-0.5383	0.0021	0.0027	0.0002	-0.0022
	COMB8	0.1680	0.1723	-0.0009	-0.0005	-0.0001	0.0006
	COMB9	-0.2930	-0.2873	0.0012	0.0017	0.0001	-0.0012
	COMB10	-0.1517	-0.1473	0.0007	0.0010	0.0001	-0.0007

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO AS-2 (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames

ELE.	Stat.	OutputCase	P	V2	M3
Text	m	Text	Ton	Ton	Ton-m
3355	0.98	DEAD	-1.19E-01	8.26E-04	-4.89E-04
	0.00	COBERT	-5.49E-02	2.21E-04	4.60E-05
	0.98	COBERT	-5.49E-02	2.21E-04	-1.72E-04
	0.00	CORREAS	-5.40E-02	2.73E-04	6.89E-05
	0.98	CORREAS	-5.40E-02	2.73E-04	-2.00E-04
	0.00	VIVA	-2.20E-01	8.86E-04	1.84E-04
	0.98	VIVA	-2.20E-01	8.86E-04	-6.88E-04
	0.00	VIENTO	-3.17E-01	1.28E-03	2.66E-04
	0.98	VIENTO	-3.17E-01	1.28E-03	-9.93E-04
	0.00	ESPECTRO	1.41E-02	5.47E-05	1.90E-05
	0.98	ESPECTRO	1.41E-02	5.47E-05	5.62E-05
3356	0.00	DEAD	-1.66E-01	3.08E-04	1.04E-04
	0.98	DEAD	-1.57E-01	1.71E-03	-8.81E-04
	0.00	COBERT	-6.80E-02	3.76E-04	7.88E-05
	0.98	COBERT	-6.80E-02	3.76E-04	-2.88E-04
	0.00	CORREAS	-8.26E-02	4.51E-04	1.09E-04
	0.98	CORREAS	-8.26E-02	4.51E-04	-3.31E-04
	0.00	VIVA	-2.72E-01	1.50E-03	3.15E-04
	0.98	VIVA	-2.72E-01	1.50E-03	-1.15E-03
	0.00	VIENTO	-3.93E-01	2.17E-03	4.55E-04
	0.98	VIENTO	-3.93E-01	2.17E-03	-1.66E-03
	0.00	ESPECTRO	1.95E-02	1.07E-04	3.56E-05
	0.98	ESPECTRO	1.95E-02	1.07E-04	1.01E-04
3357	0.00	DEAD	-1.96E-01	2.02E-04	9.16E-05
	0.97	DEAD	-1.87E-01	1.96E-03	-9.54E-04
	0.00	COBERT	-7.84E-02	3.91E-04	7.45E-05
	0.97	COBERT	-7.84E-02	3.91E-04	-3.03E-04
	0.00	CORREAS	-8.28E-02	4.96E-04	1.20E-04
	0.97	CORREAS	-8.28E-02	4.96E-04	-3.59E-04
	0.00	VIVA	-3.14E-01	1.56E-03	2.98E-04
	0.97	VIVA	-3.14E-01	1.56E-03	-1.21E-03
	0.00	VIENTO	-4.53E-01	2.26E-03	4.31E-04
	0.97	VIENTO	-4.53E-01	2.26E-03	-1.75E-03
	0.00	ESPECTRO	2.42E-02	1.20E-04	3.69E-05
	0.97	ESPECTRO	2.42E-02	1.20E-04	1.09E-04
3358	0.00	DEAD	-2.25E-01	1.76E-04	1.54E-04
	0.96	DEAD	-2.16E-01	2.28E-03	-1.02E-03
	0.00	COBERT	-8.83E-02	4.37E-04	1.01E-04
	0.96	COBERT	-8.83E-02	4.37E-04	-3.17E-04
	0.00	CORREAS	-1.08E-01	5.41E-04	1.49E-04
	0.96	CORREAS	-1.08E-01	5.41E-04	-3.69E-04
	0.00	VIVA	-3.53E-01	1.75E-03	4.03E-04
	0.96	VIVA	-3.53E-01	1.75E-03	-1.27E-03
	0.00	VIENTO	-5.10E-01	2.52E-03	5.82E-04
	0.96	VIENTO	-5.10E-01	2.52E-03	-1.83E-03
	0.00	ESPECTRO	2.86E-02	1.42E-04	3.82E-05
	0.96	ESPECTRO	2.86E-02	1.42E-04	1.17E-04
3359	0.00	DEAD	-2.50E-01	1.29E-04	2.04E-04
	0.95	DEAD	-2.41E-01	2.57E-03	-1.08E-03
	0.00	COBERT	-9.60E-02	4.65E-04	1.17E-04
	0.95	COBERT	-9.60E-02	4.65E-04	-3.24E-04
	0.00	CORREAS	-1.05E-01	6.08E-04	1.86E-04
	0.95	CORREAS	-1.05E-01	6.08E-04	-3.90E-04
	0.00	VIVA	-3.84E-01	1.86E-03	4.67E-04
	0.95	VIVA	-3.84E-01	1.86E-03	-1.29E-03
	0.00	VIENTO	-5.54E-01	2.69E-03	6.74E-04
	0.95	VIENTO	-5.54E-01	2.69E-03	-1.87E-03
	0.00	ESPECTRO	3.27E-02	1.62E-04	4.22E-05
	0.95	ESPECTRO	3.27E-02	1.62E-04	1.24E-04
3360	0.00	DEAD	-2.71E-01	5.89E-05	2.44E-04
	0.94	DEAD	-2.62E-01	2.83E-03	-1.11E-03
	0.00	COBERT	-1.01E-01	4.73E-04	1.24E-04
	0.94	COBERT	-1.01E-01	4.73E-04	-3.19E-04
	0.00	CORREAS	-1.27E-01	6.27E-04	2.02E-04
	0.94	CORREAS	-1.27E-01	6.27E-04	-3.85E-04
	0.00	VIVA	-4.03E-01	1.89E-03	4.97E-04
	0.94	VIVA	-4.03E-01	1.89E-03	-1.28E-03
	0.00	VIENTO	-5.82E-01	2.73E-03	7.18E-04
	0.94	VIENTO	-5.82E-01	2.73E-03	-1.84E-03
	0.00	ESPECTRO	3.65E-02	1.79E-04	4.73E-05
	0.94	ESPECTRO	3.65E-02	1.79E-04	1.28E-04
3361	0.00	DEAD	-2.88E-01	-1.52E-05	2.81E-04
	0.93	DEAD	-2.79E-01	3.08E-03	-1.14E-03
	0.00	COBERT	-1.03E-01	4.81E-04	1.34E-04
	0.93	COBERT	-1.03E-01	4.81E-04	-3.11E-04
	0.00	CORREAS	-1.20E-01	6.78E-04	2.33E-04
	0.93	CORREAS	-1.20E-01	6.78E-04	-3.95E-04
	0.00	VIVA	-4.11E-01	1.92E-03	5.37E-04

ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
3355	COMB1	-0.3254	-0.3188	0.0011	0.0018	0.0002	-0.0012
	COMB2	-0.6306	-0.6248	0.0024	0.0030	0.0005	-0.0021
	COMB3	-0.8015	-0.7958	0.0031	0.0037	0.0006	-0.0027
	COMB4	0.0239	0.0296	-0.0003	0.0004	0.0000	-0.0001
	COMB5	-0.5329	-0.5272	0.0020	0.0026	0.0004	-0.0018
	COMB6	-0.0250	-0.0193	-0.0001	0.0006	0.0000	-0.0002
	COMB7	-0.6219	-0.6860	0.0024	0.0032	0.0005	-0.0023
	COMB8	0.2035	0.2078	-0.0010	-0.0005	-0.0002	0.0005
	COMB9	-0.3748	-0.3691	0.0014	0.0021	0.0003	-0.0013
	COMB10	-0.1951	-0.1909	0.0008	0.0012	0.0002	-0.0007
3356							
	COMB1	-0.4432	-0.4304	0.0016	0.0036	0.0004	-0.0021
	COMB2	-0.8150	-0.8040	0.0038	0.0055	0.0009	-0.0036
	COMB3	-1.0266	-1.0156	0.0049	0.0066	0.0011	-0.0045
	COMB4	-0.0051	0.0059	-0.0007	0.0010	-0.0001	-0.0002
	COMB5	-0.6942	-0.6832	0.0031	0.0048	0.0007	-0.0031
	COMB6	-0.0656	-0.0546	-0.0004	0.0013	0.0000	-0.0005
	COMB7	-0.7957	-0.8796	0.0038	0.0059	0.0009	-0.0040
	COMB8	0.2258	0.2341	-0.0018	-0.0005	-0.0003	0.0008
	COMB9	-0.4964	-0.4854	0.0022	0.0039	0.0005	-0.0023
	COMB10	-0.2654	-0.2572	0.0011	0.0024	0.0003	-0.0012
3357							
	COMB1	-0.5003	-0.4876	0.0015	0.0040	0.0004	-0.0023
	COMB2	-0.9305	-0.9197	0.0038	0.0059	0.0008	-0.0039
	COMB3	-1.1745	-1.1637	0.0050	0.0071	0.0011	-0.0048
	COMB4	0.0033	0.0142	-0.0008	0.0013	-0.0001	-0.0003
	COMB5	-0.7912	-0.7804	0.0031	0.0052	0.0007	-0.0033
	COMB6	-0.0664	-0.0555	-0.0005	0.0016	0.0000	-0.0005
	COMB7	-0.9105	-1.0069	0.0039	0.0064	0.0008	-0.0042
	COMB8	0.2673	0.2755	-0.0020	-0.0004	-0.0003	0.0008
	COMB9	-0.5614	-0.5506	0.0022	0.0043	0.0005	-0.0024
	COMB10	-0.2974	-0.2893	0.0011	0.0027	0.0003	-0.0013
3358							
	COMB1	-0.5892	-0.5768	0.0016	0.0046	0.0006	-0.0024
	COMB2	-1.0702	-1.0596	0.0042	0.0067	0.0011	-0.0041
	COMB3	-1.3451	-1.3344	0.0055	0.0081	0.0014	-0.0051
	COMB4	-0.0182	-0.0076	-0.0010	0.0015	-0.0001	-0.0003
	COMB5	-0.9133	-0.9026	0.0034	0.0059	0.0010	-0.0035
	COMB6	-0.0968	-0.0861	-0.0006	0.0019	0.0000	-0.0006
	COMB7	-1.0422	-1.1578	0.0043	0.0072	0.0011	-0.0044
	COMB8	0.2847	0.2926	-0.0022	-0.0003	-0.0004	0.0008
	COMB9	-0.6530	-0.6424	0.0024	0.0049	0.0007	-0.0026
	COMB10	-0.3501	-0.3422	0.0012	0.0031	0.0004	-0.0014
3359							
	COMB1	-0.6310	-0.6189	0.0017	0.0051	0.0007	-0.0025
	COMB2	-1.1550	-1.1445	0.0044	0.0074	0.0014	-0.0042
	COMB3	-1.4536	-1.4432	0.0059	0.0088	0.0017	-0.0052
	COMB4	-0.0119	-0.0015	-0.0011	0.0018	0.0000	-0.0004
	COMB5	-0.9844	-0.9740	0.0036	0.0065	0.0011	-0.0036
	COMB6	-0.0973	-0.0869	-0.0007	0.0022	0.0001	-0.0007
	COMB7	-1.1265	-1.2513	0.0046	0.0079	0.0013	-0.0046
	COMB8	0.3152	0.3230	-0.0024	-0.0002	-0.0004	0.0008
	COMB9	-0.7000	-0.6896	0.0025	0.0055	0.0009	-0.0027
	COMB10	-0.3729	-0.3651	0.0012	0.0034	0.0005	-0.0015
3360							
	COMB1	-0.6976	-0.6857	0.0016	0.0055	0.0008	-0.0025
	COMB2	-1.2421	-1.2319	0.0044	0.0077	0.0015	-0.0042
	COMB3	-1.5554	-1.5452	0.0059	0.0092	0.0019	-0.0052
	COMB4	-0.0431	-0.0329	-0.0012	0.0021	0.0000	-0.0004
	COMB5	-1.0632	-1.0531	0.0036	0.0069	0.0013	-0.0037
	COMB6	-0.1326	-0.1224	-0.0008	0.0025	0.0001	-0.0007
	COMB7	-1.2046	-1.3439	0.0046	0.0083	0.0014	-0.0046
	COMB8	0.3077	0.3153	-0.0025	0.0000	-0.0004	0.0008
	COMB9	-0.7627	-0.7526	0.0025	0.0058	0.0010	-0.0027
	COMB10	-0.4120	-0.4043	0.0012	0.0037	0.0006	-0.0015
3361							
	COMB1	-0.7142	-0.7026	0.0016	0.0059	0.0009	-0.0026
	COMB2	-1.2701	-1.2602	0.0044	0.0082	0.0016	-0.0042
	COMB3	-1.5900	-1.5801	0.0059	0.0097	0.0021	-0.0052
	COMB4	-0.0455	-0.0356	-0.0013	0.0024	0.0000	-0.0005
	COMB5	-1.0874	-1.0775	0.0036	0.0073	0.0014	-0.0037
	COMB6	-0.1369	-0.1270	-0.0008	0.0029	0.0002	-0.0008

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO AS-2 (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames													
ELE.	Stat.	OutputCase	P	V2	M3	ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
Text	m	Text	Ton	Ton	Ton-m								
	0.93	VIVA	-4.11E-01	1.92E-03	-1.25E-03		COMB7	-1.2314	-1.3745	0.0046	0.0087	0.0016	-0.0046
	0.00	VIENTO	-5.94E-01	2.78E-03	7.75E-04		COMB8	0.3131	0.3206	-0.0026	0.0002	-0.0004	0.0007
	0.93	VIENTO	-5.94E-01	2.78E-03	-1.80E-03		COMB9	-0.7778	-0.7679	0.0025	0.0062	0.0011	-0.0027
	0.00	ESPECTRO	3.99E-02	1.97E-04	5.48E-05		COMB10	-0.4192	-0.4118	0.0012	0.0040	0.0006	-0.0015
	0.93	ESPECTRO	3.99E-02	1.97E-04	1.32E-04								
	0.00	DEAD	-3.00E-01	-2.17E-04	2.68E-04								
	0.92	DEAD	-2.92E-01	3.18E-03	-1.09E-03		COMB1	-0.7576	-0.7463	0.0012	0.0060	0.0009	-0.0024
	0.00	COBERT	-1.04E-01	4.53E-04	1.31E-04		COMB2	-1.3140	-1.3043	0.0039	0.0080	0.0016	-0.0039
	0.92	COBERT	-1.04E-01	4.53E-04	-2.84E-04		COMB3	-1.6371	-1.6275	0.0053	0.0094	0.0020	-0.0048
	0.00	CORREAS	-1.37E-01	6.30E-04	2.23E-04		COMB4	-0.0770	-0.0673	-0.0015	0.0026	0.0000	-0.0005
3362	0.92	CORREAS	-1.37E-01	6.30E-04	-3.54E-04	3362	COMB5	-1.1294	-1.1198	0.0031	0.0072	0.0014	-0.0034
	0.00	VIVA	-4.15E-01	1.81E-03	5.25E-04		COMB6	-0.1693	-0.1597	-0.0011	0.0030	0.0001	-0.0008
	0.92	VIVA	-4.15E-01	1.81E-03	-1.14E-03		COMB7	-1.2671	-1.4198	0.0042	0.0085	0.0015	-0.0042
	0.00	VIENTO	-6.00E-01	2.62E-03	7.59E-04		COMB8	0.2931	0.3003	-0.0026	0.0004	-0.0004	0.0006
	0.92	VIENTO	-6.00E-01	2.62E-03	-1.64E-03		COMB9	-0.8141	-0.8044	0.0021	0.0062	0.0011	-0.0025
	0.00	ESPECTRO	4.30E-02	1.96E-04	5.70E-05		COMB10	-0.4440	-0.4368	0.0010	0.0040	0.0006	-0.0014
	0.92	ESPECTRO	4.30E-02	1.96E-04	1.26E-04								
	0.00	DEAD	-3.05E-01	1.57E-04	4.89E-04								
	0.91	DEAD	-2.98E-01	3.85E-03	-1.33E-03		COMB1	-0.7480	-0.7371	0.0023	0.0075	0.0014	-0.0030
	0.00	COBERT	-1.04E-01	6.29E-04	2.02E-04		COMB2	-1.3065	-1.2971	0.0060	0.0105	0.0025	-0.0050
	0.91	COBERT	-1.04E-01	6.29E-04	-3.69E-04		COMB3	-1.6300	-1.6206	0.0080	0.0124	0.0032	-0.0061
	0.00	CORREAS	-1.25E-01	8.81E-04	3.37E-04		COMB4	-0.0681	-0.0588	-0.0015	0.0030	0.0001	-0.0006
3363	0.91	CORREAS	-1.25E-01	8.81E-04	-4.62E-04	3363	COMB5	-1.1217	-1.1124	0.0049	0.0093	0.0022	-0.0043
	0.00	VIVA	-4.16E-01	2.52E-03	8.06E-04		COMB6	-0.1606	-0.1512	-0.0009	0.0035	0.0003	-0.0009
	0.91	VIVA	-4.16E-01	2.52E-03	-1.48E-03		COMB7	-1.2618	-1.4127	0.0062	0.0112	0.0024	-0.0054
	0.00	VIENTO	-6.01E-01	3.63E-03	1.16E-03		COMB8	0.3001	0.3071	-0.0032	0.0001	-0.0006	0.0008
	0.91	VIENTO	-6.01E-01	3.63E-03	-2.13E-03		COMB9	-0.8036	-0.7942	0.0035	0.0080	0.0017	-0.0032
	0.00	ESPECTRO	4.55E-02	2.85E-04	9.54E-05		COMB10	-0.4354	-0.4284	0.0018	0.0051	0.0010	-0.0018
	0.91	ESPECTRO	4.55E-02	2.85E-04	1.65E-04								
	0.00	DEAD	-3.10E-01	6.33E-04	8.05E-04								
	0.90	DEAD	-3.02E-01	4.61E-03	-1.55E-03		COMB1	-0.7676	-0.7570	0.0035	0.0090	0.0021	-0.0035
	0.00	COBERT	-1.01E-01	7.60E-04	2.74E-04		COMB2	-1.3017	-1.2926	0.0078	0.0126	0.0036	-0.0056
	0.90	COBERT	-1.01E-01	7.60E-04	-4.08E-04		COMB3	-1.6147	-1.6057	0.0102	0.0150	0.0044	-0.0068
	0.00	CORREAS	-1.38E-01	1.07E-03	4.47E-04		COMB4	-0.1034	-0.0944	-0.0012	0.0035	0.0003	-0.0007
3364	0.90	CORREAS	-1.38E-01	1.07E-03	-5.18E-04	3364	COMB5	-1.1229	-1.1139	0.0065	0.0112	0.0031	-0.0049
	0.00	VIVA	-4.02E-01	3.04E-03	1.10E-03		COMB6	-0.1929	-0.1838	-0.0006	0.0042	0.0006	-0.0011
	0.90	VIVA	-4.02E-01	3.04E-03	-1.63E-03		COMB7	-1.2491	-1.4045	0.0079	0.0134	0.0034	-0.0060
	0.00	VIENTO	-5.81E-01	4.39E-03	1.58E-03		COMB8	0.2622	0.2690	-0.0035	0.0001	-0.0007	0.0008
	0.90	VIENTO	-5.81E-01	4.39E-03	-2.36E-03		COMB9	-0.8115	-0.8025	0.0049	0.0096	0.0025	-0.0036
	0.00	ESPECTRO	4.75E-02	3.89E-04	1.51E-04		COMB10	-0.4459	-0.4391	0.0026	0.0062	0.0015	-0.0020
	0.90	ESPECTRO	4.75E-02	3.89E-04	1.98E-04								
	0.00	DEAD	-3.09E-01	3.84E-04	7.58E-04								
	0.89	DEAD	-3.02E-01	4.63E-03	-1.47E-03		COMB1	-0.7270	-0.7167	0.0028	0.0088	0.0020	-0.0032
	0.00	COBERT	-8.99E-02	6.15E-04	2.20E-04		COMB2	-1.1986	-1.1898	0.0064	0.0114	0.0031	-0.0048
	0.89	COBERT	-8.99E-02	6.15E-04	-3.25E-04		COMB3	-1.4784	-1.4697	0.0083	0.0134	0.0038	-0.0058
	0.00	CORREAS	-1.20E-01	1.02E-03	4.30E-04		COMB4	-0.1274	-0.1187	-0.0010	0.0041	0.0005	-0.0009
3365	0.89	CORREAS	-1.20E-01	1.02E-03	-4.73E-04	3365	COMB5	-1.0388	-1.0300	0.0053	0.0104	0.0027	-0.0042
	0.00	VIVA	-3.60E-01	2.46E-03	8.79E-04		COMB6	-0.2074	-0.1987	-0.0004	0.0047	0.0007	-0.0012
	0.89	VIVA	-3.60E-01	2.46E-03	-1.30E-03		COMB7	-1.1428	-1.2898	0.0064	0.0121	0.0029	-0.0052
	0.00	VIENTO	-5.20E-01	3.55E-03	1.27E-03		COMB8	0.2082	0.2147	-0.0028	0.0010	-0.0004	0.0004
	0.89	VIENTO	-5.20E-01	3.55E-03	-1.88E-03		COMB9	-0.7536	-0.7449	0.0040	0.0091	0.0023	-0.0032
	0.00	ESPECTRO	4.93E-02	3.91E-04	1.55E-04		COMB10	-0.4180	-0.4114	0.0022	0.0060	0.0014	-0.0018
	0.89	ESPECTRO	4.93E-02	3.91E-04	1.92E-04								
	0.00	DEAD	-3.02E-01	2.71E-04	7.86E-04								
	0.88	DEAD	-2.95E-01	4.77E-03	-1.43E-03		COMB1	-0.7105	-0.7007	0.0025	0.0088	0.0020	-0.0030
	0.00	COBERT	-7.66E-02	5.25E-04	2.21E-04		COMB2	-1.0995	-1.0910	0.0055	0.0109	0.0031	-0.0041
	0.88	COBERT	-7.66E-02	5.25E-04	-2.39E-04		COMB3	-1.3380	-1.3295	0.0072	0.0126	0.0038	-0.0048
	0.00	CORREAS	-1.28E-01	1.02E-03	4.36E-04		COMB4	-0.1866	-0.1782	-0.0007	0.0047	0.0005	-0.0012
3366	0.88	CORREAS	-1.28E-01	1.02E-03	-4.60E-04	3366	COMB5	-0.9633	-0.9549	0.0046	0.0100	0.0028	-0.0037
	0.00	VIVA	-3.07E-01	2.10E-03	8.84E-04		COMB6	-0.2548	-0.2463	-0.0002	0.0052	0.0007	-0.0014
	0.88	VIVA	-3.07E-01	2.10E-03	-9.56E-04		COMB7	-1.0325	-1.1763	0.0056	0.0115	0.0030	-0.0043
	0.00	VIENTO	-4.43E-01	3.03E-03	1.28E-03		COMB8	0.1189	0.1252	-0.0023	0.0017	-0.0004	-0.0001
	0.88	VIENTO	-4.43E-01	3.03E-03	-1.38E-03		COMB9	-0.7118	-0.7033	0.0036	0.0090	0.0023	-0.0028
	0.00	ESPECTRO	5.05E-02	4.12E-04	1.74E-04		COMB10	-0.4062	-0.3999	0.0020	0.0061	0.0015	-0.0017
	0.88	ESPECTRO	5.05E-02	4.12E-04	1.87E-04								
	0.00	DEAD	-2.90E-01	-1.92E-03	8.06E-05								
	0.85	DEAD	-2.83E-01	2.60E-03	-2.09E-04		COMB1	-0.6494	-0.6399	-0.0026	0.0037	0.0004	-0.0001
	0.00	COBERT	-6.86E-02	-2.60E-05	6.35E-05		COMB2	-0.9959	-0.9878	-0.0024	0.0030	0.0007	0.0005
	0.85	COBERT	-6.86E-02	-2.60E-05	8.57E-05		COMB3	-1.2095	-1.2014	-0.0025	0.0029	0.0009	0.0007
	0.00	CORREAS	-1.05E-01	6.13E-05	1.18E-04		COMB4	-0.1782	-0.1701	-0.0021	0.0033	0.0000	-0.0005
3367	0.85	CORREAS	-1.05E-01	6.13E-05	6.57E-05	3367	COMB5	-0.8739	-0.8658	-0.0024	0.0030	0.0006	0.0003
	0.00	VIVA	-2.75E-01	-1.04E-04	2.54E-04		COMB6	-0.2393	-0.2312	-0.0021	0.0033	0.0000	-0.0005
	0.85	VIVA	-2.75E-01	-1.04E-04	3.43E-04		COMB7	-0.9331	-1.0642	-0.0019	0.0030	0.0007	0.0006
	0.00	VIENTO	-3.97E-01	-1.50E-04	3.67E-04		COMB8	0.0982	0.1043	-0.0015	0.0026	-0.0002	-0.0007
	0.85	VIENTO	-3.97E-01	-1.50E-04	4.95E-04		COMB9	-0.6419	-0.6339	-0.0018	0.0037	0.0006	0.0004
	0.00	ESPECTRO	5.19E-02	5.62E-04	1.77E-04		COMB10	-0.3655	-0.3594	-0.0011	0.0029	0.0004	0.0003
	0.85	ESPECTRO	5.19E-02	5.62E-04	3.11E-04								

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO AS-2 (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames					
ELE.	Stat.	OutputCase	P	V2	M3
Text	m	Text	Ton	Ton	Ton-m

ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
BRIDAS SUPERIORES							
MAX. VALOR:		3.7564	3.7570	0.0228	0.0268	0.0040	0.0074
MIN. VALOR:		-1.9433	-1.9431	-0.0291	-0.0244	-0.0093	-0.0091
BRIDAS INFERIORES							
MAX. VALOR:		2.1221	2.1194	0.0212	0.0268	0.0044	0.0071
MIN. VALOR:		-11.0523	-11.0554	-0.0366	-0.0330	-0.0103	-0.0090
MONTANTES							
MAX. VALOR:		1.2131	1.2045	0.0151	0.0166	0.0055	0.0075
MIN. VALOR:		-1.4611	-1.4681	-0.0208	-0.0124	-0.0083	-0.0066
DIAGONALES							
MAX. VALOR:		1.4889	1.5003	0.0102	0.0150	0.0053	0.0016
MIN. VALOR:		-1.6371	-1.6275	-0.0050	-0.0013	-0.0018	-0.0068

ARCO METALICO AS-3

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO AS-3 (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames						ELE.	COMB	Pu_1	Pu_2	$V2_1$	$V2_2$	Mu_1	Mu_2
ELE.	Stat.	OutputCase	P	V2	M3			(Ton)	(Ton)	(Ton)	(Ton)	(Ton.m)	(Ton.m)
Text	m	Text	Ton	Ton	Ton-m								
BRIDA SUPERIOR						BRIDA SUPERIOR							
	0.00	DEAD	-1.02E-01	2.50E-04	6.47E-04								
	0.66	DEAD	-9.70E-02	3.70E-03	-6.57E-04		COMB1	-0.0085	-0.0011	0.0010	0.0058	0.0010	-0.0012
	0.00	COBERT	1.18E-01	3.26E-04	4.77E-05		COMB2	0.7488	0.7552	0.0029	0.0070	0.0012	-0.0021
	0.66	COBERT	1.18E-01	3.26E-04	-1.67E-04		COMB3	1.1165	1.1229	0.0039	0.0081	0.0013	-0.0027
	0.00	CORREAS	-2.20E-02	1.13E-04	1.02E-05		COMB4	-0.6585	-0.6522	-0.0010	0.0032	0.0006	-0.0001
	0.66	CORREAS	-2.20E-02	1.13E-04	-6.43E-05		COMB5	0.5389	0.5452	0.0023	0.0065	0.0011	-0.0018
1235	0.00	VIVA	4.73E-01	1.30E-03	1.91E-04	1235	COMB6	-0.5534	-0.5471	-0.0007	0.0035	0.0006	-0.0003
	0.66	VIVA	4.73E-01	1.30E-03	-6.70E-04		COMB7	0.8821	0.8866	0.0031	0.0074	0.0010	-0.0023
	0.00	VIENTO	6.83E-01	1.88E-03	2.75E-04		COMB8	-0.8930	-0.8883	-0.0018	0.0013	0.0003	0.0005
	0.66	VIENTO	6.83E-01	1.88E-03	-9.68E-04		COMB9	0.2436	0.2499	0.0015	0.0056	0.0009	-0.0014
	0.00	ESPECTRO	1.46E-02	3.13E-05	7.11E-06		COMB10	0.0091	0.0138	0.0007	0.0038	0.0006	-0.0008
	0.66	ESPECTRO	1.46E-02	3.13E-05	2.77E-05								
	0.00	DEAD	-1.09E-01	-4.90E-04	6.62E-05								
	0.55	DEAD	-1.04E-01	2.55E-03	-4.96E-04		COMB1	0.0967	0.1026	-0.0023	0.0020	-0.0006	-0.0005
	0.00	COBERT	2.06E-01	-7.64E-04	-3.38E-04		COMB2	1.3994	1.4045	-0.0068	-0.0032	-0.0026	0.0001
	0.55	COBERT	2.06E-01	-7.64E-04	7.87E-05		COMB3	2.0396	2.0447	-0.0092	-0.0056	-0.0037	0.0003
	0.00	CORREAS	-2.79E-02	-3.64E-04	-1.22E-04		COMB4	-1.0510	-1.0459	0.0023	0.0059	0.0014	-0.0008
	0.55	CORREAS	-2.79E-02	-3.64E-04	7.71E-05		COMB5	1.0339	1.0389	-0.0055	-0.0018	-0.0020	0.0000
1236	0.00	VIVA	8.23E-01	-3.06E-03	-1.35E-03	1236	COMB6	-0.8680	-0.8630	0.0016	0.0052	0.0011	-0.0008
	0.55	VIVA	8.23E-01	-3.06E-03	3.15E-04		COMB7	1.6075	1.6333	-0.0072	-0.0040	-0.0029	0.0002
	0.00	VIENTO	1.19E+00	-4.41E-03	-1.95E-03		COMB8	-1.4831	-1.4793	0.0043	0.0070	0.0022	-0.0009
	0.55	VIENTO	1.19E+00	-4.41E-03	4.55E-04		COMB9	0.5093	0.5144	-0.0033	0.0004	-0.0011	-0.0002
	0.00	ESPECTRO	1.50E-02	1.87E-04	7.27E-05		COMB10	0.0772	0.0810	-0.0013	0.0015	-0.0003	-0.0003
	0.55	ESPECTRO	1.50E-02	1.87E-04	2.95E-05								
	0.00	DEAD	-1.51E-01	-7.16E-04	1.47E-04								
	0.54	DEAD	-1.47E-01	2.50E-03	-3.39E-04		COMB1	-0.0307	-0.0250	-0.0035	0.0010	-0.0006	0.0001
	0.00	COBERT	1.69E-01	-1.40E-03	-4.52E-04		COMB2	1.0533	1.0582	-0.0119	-0.0081	-0.0034	0.0021
	0.54	COBERT	1.69E-01	-1.40E-03	3.08E-04		COMB3	1.5783	1.5832	-0.0163	-0.0124	-0.0048	0.0030
	0.00	CORREAS	-4.00E-02	-3.74E-04	-1.09E-04		COMB4	-0.9561	-0.9513	0.0047	0.0086	0.0020	-0.0016
	0.54	CORREAS	-4.00E-02	-3.74E-04	9.52E-05		COMB5	0.7535	0.7584	-0.0094	-0.0056	-0.0026	0.0015
1237	0.00	VIVA	6.75E-01	-5.59E-03	-1.81E-03	1237	COMB6	-0.8061	-0.8012	0.0035	0.0073	0.0016	-0.0013
	0.54	VIVA	6.75E-01	-5.59E-03	1.23E-03		COMB7	1.2475	1.2458	-0.0127	-0.0096	-0.0038	0.0024
	0.00	VIENTO	9.75E-01	-8.07E-03	-2.61E-03		COMB8	-1.2869	-1.2833	0.0083	0.0111	0.0030	-0.0023
	0.54	VIENTO	9.75E-01	-8.07E-03	1.78E-03		COMB9	0.3212	0.3261	-0.0054	-0.0015	-0.0013	0.0008
	0.00	ESPECTRO	1.01E-02	3.85E-04	1.15E-04		COMB10	-0.0096	-0.0059	-0.0019	0.0010	-0.0003	0.0002
	0.54	ESPECTRO	1.01E-02	3.85E-04	9.48E-05								
	0.00	DEAD	-1.99E-01	-7.56E-04	1.68E-04								
	0.54	DEAD	-1.95E-01	2.62E-03	-3.39E-04		COMB1	-0.2183	-0.2128	-0.0033	0.0014	-0.0004	0.0001
	0.00	COBERT	1.10E-01	-1.11E-03	-3.25E-04		COMB2	0.5183	0.5230	-0.0100	-0.0059	-0.0024	0.0019
	0.54	COBERT	1.10E-01	-1.11E-03	2.80E-04		COMB3	0.8613	0.8660	-0.0134	-0.0094	-0.0034	0.0028
	0.00	CORREAS	-6.75E-02	-5.07E-04	-1.22E-04		COMB4	-0.7946	-0.7899	0.0033	0.0073	0.0015	-0.0014
	0.54	CORREAS	-6.75E-02	-5.07E-04	1.54E-04		COMB5	0.3224	0.3271	-0.0080	-0.0039	-0.0018	0.0014
1238	0.00	VIVA	4.41E-01	-4.45E-03	-1.30E-03	1238	COMB6	-0.6966	-0.6919	0.0023	0.0063	0.0012	-0.0012
	0.54	VIVA	4.41E-01	-4.45E-03	1.12E-03		COMB7	0.6876	0.6456	-0.0105	-0.0072	-0.0027	0.0022
	0.00	VIENTO	6.37E-01	-6.43E-03	-1.88E-03		COMB8	-0.9683	-0.9647	0.0062	0.0093	0.0022	-0.0020
	0.54	VIENTO	6.37E-01	-6.43E-03	1.62E-03		COMB9	0.0429	0.0476	-0.0048	-0.0007	-0.0009	0.0008
	0.00	ESPECTRO	9.58E-03	3.18E-04	8.44E-05		COMB10	-0.1308	-0.1272	-0.0018	0.0012	-0.0002	0.0002
	0.54	ESPECTRO	9.58E-03	3.18E-04	8.87E-05								
	0.00	DEAD	-2.50E-01	-7.77E-04	2.00E-04								
	0.54	DEAD	-2.46E-01	2.76E-03	-3.39E-04		COMB1	-0.3570	-0.3517	-0.0028	0.0021	-0.0002	0.0000
	0.00	COBERT	7.97E-02	-1.09E-03	-3.05E-04		COMB2	0.2040	0.2086	-0.0094	-0.0052	-0.0021	0.0019
	0.54	COBERT	7.97E-02	-1.09E-03	2.87E-04		COMB3	0.4520	0.4566	-0.0128	-0.0086	-0.0031	0.0028
	0.00	CORREAS	-8.49E-02	-1.61E-04	-2.03E-05		COMB4	-0.7452	-0.7407	0.0036	0.0078	0.0015	-0.0016
	0.54	CORREAS	-8.49E-02	-1.61E-04	6.70E-05		COMB5	0.0624	0.0670	-0.0075	-0.0032	-0.0016	0.0013
1239	0.00	VIVA	3.19E-01	-4.36E-03	-1.22E-03	1239	COMB6	-0.6743	-0.6698	0.0026	0.0068	0.0013	-0.0013
	0.54	VIVA	3.19E-01	-4.36E-03	1.15E-03		COMB7	0.3691	0.2972	-0.0100	-0.0064	-0.0024	0.0022
	0.00	VIENTO	4.60E-01	-6.30E-03	-1.76E-03		COMB8	-0.8281	-0.8247	0.0064	0.0095	0.0022	-0.0021
	0.54	VIENTO	4.60E-01	-6.30E-03	1.66E-03		COMB9	-0.1343	-0.1297	-0.0043	-0.0001	-0.0007	0.0007
	0.00	ESPECTRO	1.23E-02	3.18E-04	8.11E-05		COMB10	-0.2172	-0.2138	-0.0015	0.0017	0.0000	0.0001
	0.54	ESPECTRO	1.23E-02	3.18E-04	9.21E-05								
	0.00	DEAD	-3.03E-01	-8.27E-04	2.17E-04								
	0.54	DEAD	-2.99E-01	2.86E-03	-3.34E-04		COMB1	-0.4982	-0.4931	-0.0032	0.0020	-0.0002	0.0001
	0.00	COBERT	6.15E-02	-1.02E-03	-2.71E-04		COMB2	-0.0333	-0.0290	-0.0093	-0.0049	-0.0019	0.0019
	0.54	COBERT	6.15E-02	-1.02E-03	2.85E-04		COMB3	0.1581	0.1625	-0.0125	-0.0080	-0.0027	0.0028
	0.00	CORREAS	-1.15E-01	-4.19E-04	-8.07E-05		COMB4	-0.7661	-0.7618	0.0029	0.0073	0.0013	-0.0015
1240	0.54	CORREAS	-1.15E-01	-4.19E-04	1.47E-04	1240	COMB5	-0.1427	-0.1383	-0.0075	-0.0030	-0.0014	0.0014
	0.00	VIVA	2.46E-01	-4.10E-03	-1.08E-03		COMB6	-0.7114	-0.7071	0.0020	0.0064	0.0011	-0.0012
	0.54	VIVA	2.46E-01	-4.10E-03	1.14E-03		COMB7	0.1418	0.0394	-0.0097	-0.0060	-0.0022	0.0023
	0.00	VIENTO	3.55E-01	-5.92E-03	-1.57E-03		COMB8	-0.7824	-0.7791	0.0056	0.0090	0.0019	-0.0021
	0.54	VIENTO	3.55E-01	-5.92E-03	1.65E-03		COMB9	-0.2884	-0.2841	-0.0045	0.0000	-0.0006	0.0008

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO AS-3 (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames

ELE.	Stat.	OutputCase	P	V2	M3	ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
Text	m	Text	Ton	Ton	Ton-m								
	0.00	ESPECTRO	1.56E-02	3.10E-04	7.44E-05		COMB10	-0.3047	-0.3014	-0.0017	0.0016	0.0000	0.0002
	0.54	ESPECTRO	1.56E-02	3.10E-04	9.40E-05								
	0.00	DEAD	-3.55E-01	-8.77E-04	2.34E-04								
	0.54	DEAD	-3.52E-01	2.95E-03	-3.29E-04		COMB1	-0.6354	-0.6305	-0.0026	0.0028	0.0000	0.0000
	0.00	COBERT	3.58E-02	-9.41E-04	-2.32E-04		COMB2	-0.3152	-0.3110	-0.0083	-0.0037	-0.0014	0.0018
	0.54	COBERT	3.58E-02	-9.41E-04	2.79E-04		COMB3	-0.2036	-0.1995	-0.0112	-0.0066	-0.0022	0.0027
	0.00	CORREAS	-1.35E-01	-3.99E-05	3.09E-05		COMB4	-0.7422	-0.7381	0.0030	0.0076	0.0013	-0.0015
1241	0.54	CORREAS	-1.35E-01	-3.99E-05	5.26E-05	1241	COMB5	-0.3789	-0.3747	-0.0066	-0.0020	-0.0010	0.0013
	0.00	VIVA	1.43E-01	-3.76E-03	-9.29E-04		COMB6	-0.7104	-0.7062	0.0021	0.0067	0.0011	-0.0013
	0.54	VIVA	1.43E-01	-3.76E-03	1.11E-03		COMB7	-0.1392	-0.2712	-0.0087	-0.0047	-0.0017	0.0021
	0.00	VIENTO	2.07E-01	-5.44E-03	-1.34E-03		COMB8	-0.6778	-0.6746	0.0054	0.0088	0.0018	-0.0021
	0.54	VIENTO	2.07E-01	-5.44E-03	1.61E-03		COMB9	-0.4545	-0.4503	-0.0038	0.0008	-0.0004	0.0007
	0.00	ESPECTRO	1.84E-02	2.99E-04	6.74E-05		COMB10	-0.3900	-0.3869	-0.0014	0.0021	0.0001	0.0001
	0.54	ESPECTRO	1.84E-02	2.99E-04	9.50E-05								
	0.00	DEAD	-4.04E-01	-9.39E-04	2.44E-04								
	0.54	DEAD	-4.01E-01	3.03E-03	-3.22E-04		COMB1	-0.7913	-0.7866	-0.0030	0.0025	0.0000	0.0001
	0.00	COBERT	2.23E-03	-8.71E-04	-1.94E-04		COMB2	-0.6640	-0.6600	-0.0082	-0.0034	-0.0012	0.0019
	0.54	COBERT	2.23E-03	-8.71E-04	2.78E-04		COMB3	-0.6570	-0.6531	-0.0109	-0.0061	-0.0018	0.0028
	0.00	CORREAS	-1.63E-01	-3.43E-04	-4.17E-05		COMB4	-0.6905	-0.6866	0.0022	0.0070	0.0011	-0.0014
1242	0.54	CORREAS	-1.63E-01	-3.43E-04	1.44E-04	1242	COMB5	-0.6679	-0.6640	-0.0066	-0.0019	-0.0009	0.0014
	0.00	VIVA	8.91E-03	-3.48E-03	-7.77E-04		COMB6	-0.6885	-0.6846	0.0014	0.0062	0.0009	-0.0012
	0.54	VIVA	8.91E-03	-3.48E-03	1.11E-03		COMB7	-0.4919	-0.6575	-0.0085	-0.0044	-0.0015	0.0022
	0.00	VIENTO	1.29E-02	-5.03E-03	-1.12E-03		COMB8	-0.5254	-0.5224	0.0046	0.0082	0.0015	-0.0020
	0.54	VIENTO	1.29E-02	-5.03E-03	1.61E-03		COMB9	-0.6530	-0.6490	-0.0040	0.0007	-0.0003	0.0008
	0.00	ESPECTRO	2.08E-02	2.91E-04	6.06E-05		COMB10	-0.4879	-0.4849	-0.0016	0.0019	0.0001	0.0002
	0.54	ESPECTRO	2.08E-02	2.91E-04	9.75E-05								
	0.00	DEAD	-4.47E-01	-1.02E-03	2.47E-04								
	0.54	DEAD	-4.44E-01	3.07E-03	-3.09E-04		COMB1	-0.9209	-0.9165	-0.0022	0.0035	0.0003	-0.0001
	0.00	COBERT	-3.03E-02	-6.51E-04	-1.37E-04		COMB2	-0.9830	-0.9792	-0.0060	-0.0011	-0.0006	0.0013
	0.54	COBERT	-3.03E-02	-6.51E-04	2.16E-04		COMB3	-1.0772	-1.0734	-0.0081	-0.0032	-0.0011	0.0020
	0.00	CORREAS	-1.80E-01	1.10E-04	8.09E-05		COMB4	-0.6225	-0.6187	0.0017	0.0066	0.0010	-0.0013
1243	0.54	CORREAS	-1.80E-01	1.10E-04	2.11E-05	1243	COMB5	-0.9292	-0.9255	-0.0049	0.0000	-0.0004	0.0009
	0.00	VIVA	-1.21E-01	-2.60E-03	-5.47E-04		COMB6	-0.6494	-0.6456	0.0011	0.0060	0.0009	-0.0011
	0.54	VIVA	-1.21E-01	-2.60E-03	8.64E-04		COMB7	-0.8193	-1.0129	-0.0063	-0.0019	-0.0009	0.0015
	0.00	VIENTO	-1.75E-01	-3.76E-03	-7.90E-04		COMB8	-0.3646	-0.3618	0.0035	0.0072	0.0012	-0.0017
	0.54	VIENTO	-1.75E-01	-3.76E-03	1.25E-03		COMB9	-0.8271	-0.8233	-0.0030	0.0020	0.0000	0.0004
	0.00	ESPECTRO	2.28E-02	2.24E-04	4.51E-05		COMB10	-0.5692	-0.5664	-0.0012	0.0025	0.0002	0.0000
	0.54	ESPECTRO	2.28E-02	2.24E-04	7.66E-05								
	0.00	DEAD	-4.81E-01	-1.13E-03	2.40E-04								
	0.54	DEAD	-4.78E-01	3.09E-03	-2.89E-04		COMB1	-1.0366	-1.0325	-0.0039	0.0020	-0.0001	0.0004
	0.00	COBERT	-5.67E-02	-1.13E-03	-2.58E-04		COMB2	-1.2511	-1.2476	-0.0105	-0.0055	-0.0018	0.0026
	0.54	COBERT	-5.67E-02	-1.13E-03	3.53E-04		COMB3	-1.4275	-1.4239	-0.0140	-0.0090	-0.0026	0.0037
	0.00	CORREAS	-2.03E-01	-5.01E-04	-7.51E-05		COMB4	-0.5762	-0.5727	0.0029	0.0080	0.0013	-0.0016
1244	0.54	CORREAS	-2.03E-01	-5.01E-04	1.96E-04	1244	COMB5	-1.1505	-1.1469	-0.0085	-0.0035	-0.0013	0.0019
	0.00	VIVA	-2.27E-01	-4.52E-03	-1.03E-03		COMB6	-0.6266	-0.6231	0.0019	0.0070	0.0011	-0.0013
	0.54	VIVA	-2.27E-01	-4.52E-03	1.41E-03		COMB7	-1.0920	-1.3106	-0.0110	-0.0067	-0.0020	0.0030
	0.00	VIENTO	-3.27E-01	-6.52E-03	-1.49E-03		COMB8	-0.2408	-0.2381	0.0060	0.0098	0.0019	-0.0024
	0.54	VIENTO	-3.27E-01	-6.52E-03	2.04E-03		COMB9	-0.9772	-0.9737	-0.0052	-0.0001	-0.0005	0.0011
	0.00	ESPECTRO	2.46E-02	3.98E-04	9.09E-05		COMB10	-0.6418	-0.6391	-0.0021	0.0017	0.0000	0.0004
	0.54	ESPECTRO	2.46E-02	3.98E-04	1.25E-04								
	0.00	DEAD	-5.06E-01	-1.33E-03	1.96E-04								
	0.54	DEAD	-5.03E-01	3.00E-03	-2.58E-04		COMB1	-1.1149	-1.1110	-0.0028	0.0033	0.0003	0.0001
	0.00	COBERT	-7.65E-02	-8.09E-04	-1.26E-04		COMB2	-1.4454	-1.4421	-0.0076	-0.0024	-0.0006	0.0021
	0.54	COBERT	-7.65E-02	-8.09E-04	3.12E-04		COMB3	-1.6836	-1.6802	-0.0101	-0.0049	-0.0010	0.0031
	0.00	CORREAS	-2.14E-01	1.46E-04	1.14E-04		COMB4	-0.5338	-0.5305	0.0021	0.0073	0.0009	-0.0016
1245	0.54	CORREAS	-2.14E-01	1.46E-04	3.50E-05	1245	COMB5	-1.3094	-1.3061	-0.0061	-0.0009	-0.0004	0.0015
	0.00	VIVA	-3.06E-01	-3.24E-03	-5.03E-04		COMB6	-0.6019	-0.5986	0.0014	0.0065	0.0008	-0.0013
	0.54	VIVA	-3.06E-01	-3.24E-03	1.25E-03		COMB7	-1.2916	-1.5272	-0.0079	-0.0033	-0.0008	0.0025
	0.00	VIENTO	-4.42E-01	-4.68E-03	-7.26E-04		COMB8	-0.1419	-0.1394	0.0043	0.0082	0.0011	-0.0023
	0.54	VIENTO	-4.42E-01	-4.68E-03	1.80E-03		COMB9	-1.0826	-1.0792	-0.0037	0.0015	0.0000	0.0008
	0.00	ESPECTRO	2.61E-02	2.87E-04	4.59E-05		COMB10	-0.6906	-0.6881	-0.0015	0.0024	0.0002	0.0002
	0.54	ESPECTRO	2.61E-02	2.87E-04	1.10E-04								
	0.00	DEAD	-5.22E-01	-1.46E-03	1.76E-04								
	0.54	DEAD	-5.19E-01	2.97E-03	-2.31E-04		COMB1	-1.1779	-1.1743	-0.0037	0.0025	0.0000	0.0004
	0.00	COBERT	-9.27E-02	-7.57E-04	-1.06E-04		COMB2	-1.6027	-1.5995	-0.0080	-0.0027	-0.0006	0.0023
	0.54	COBERT	-9.27E-02	-7.57E-04	3.03E-04		COMB3	-1.8911	-1.8879	-0.0104	-0.0051	-0.0010	0.0032
	0.00	CORREAS	-2.27E-01	-4.26E-04	-3.72E-05		COMB4	-0.4988	-0.4957	0.0010	0.0063	0.0006	-0.0014
1246	0.54	CORREAS	-2.27E-01	-4.26E-04	1.93E-04	1246	COMB5	-1.4380	-1.4349	-0.0067	-0.0014	-0.0005	0.0017
	0.00	VIVA	-3.71E-01	-3.03E-03	-4.25E-04		COMB6	-0.5813	-0.5781	0.0003	0.0056	0.0005	-0.0011
	0.54	VIVA	-3.71E-01	-3.03E-03	1.21E-03		COMB7	-1.4533	-1.7026	-0.0081	-0.0035	-0.0008	0.0026
	0.00	VIENTO	-5.35E-01	-4.37E-03	-6.13E-04		COMB8	-0.0611	-0.0588	0.0033	0.0073	0.0008	-0.0020

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO AS-3 (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames													
ELE.	Stat.	OutputCase	P	V2	M3	ELE.	COMB	Pu_1	Pu_2	$V2_1$	$V2_2$	Mu_1	Mu_2
Text	m	Text	Ton	Ton	Ton-m			(Ton)	(Ton)	(Ton)	(Ton)	(Ton.m)	(Ton.m)
	0.54	VIENTO	-5.35E-01	-4.37E-03	1.75E-03		COMB9	-1.1675	-1.1643	-0.0044	0.0009	-0.0001	0.0010
	0.00	ESPECTRO	2.75E-02	2.66E-04	3.91E-05		COMB10	-0.7297	-0.7274	-0.0021	0.0019	0.0001	0.0003
	0.54	ESPECTRO	2.75E-02	2.66E-04	1.05E-04								
	0.00	DEAD	-5.29E-01	-1.62E-03	1.46E-04								
	0.54	DEAD	-5.26E-01	2.91E-03	-2.01E-04		COMB1	-1.2114	-1.2080	-0.0029	0.0034	0.0003	0.0002
	0.00	COBERT	-1.06E-01	-6.46E-04	-6.50E-05		COMB2	-1.7182	-1.7153	-0.0066	-0.0012	-0.0002	0.0020
	0.54	COBERT	-1.06E-01	-6.46E-04	2.84E-04		COMB3	-2.0489	-2.0460	-0.0086	-0.0032	-0.0004	0.0028
	0.00	CORREAS	-2.30E-01	1.93E-04	1.36E-04		COMB4	-0.4528	-0.4499	0.0011	0.0065	0.0006	-0.0014
1247	0.54	CORREAS	-2.30E-01	1.93E-04	3.16E-05	1247	COMB5	-1.5295	-1.5266	-0.0055	0.0000	0.0000	0.0014
	0.00	VIVA	-4.25E-01	-2.59E-03	-2.60E-04		COMB6	-0.5473	-0.5444	0.0005	0.0059	0.0006	-0.0012
	0.54	VIVA	-4.25E-01	-2.59E-03	1.14E-03		COMB7	-1.5768	-1.8335	-0.0067	-0.0019	-0.0003	0.0023
	0.00	VIENTO	-6.14E-01	-3.73E-03	-3.76E-04		COMB8	0.0193	0.0214	0.0030	0.0071	0.0007	-0.0020
	0.54	VIENTO	-6.14E-01	-3.73E-03	1.64E-03		COMB9	-1.2220	-1.2191	-0.0036	0.0019	0.0002	0.0008
	0.00	ESPECTRO	2.88E-02	2.20E-04	2.43E-05		COMB10	-0.7500	-0.7478	-0.0016	0.0024	0.0002	0.0002
	0.54	ESPECTRO	2.88E-02	2.20E-04	9.55E-05								
	0.00	DEAD	-5.30E-01	-1.78E-03	1.18E-04								
	0.54	DEAD	-5.28E-01	2.85E-03	-1.71E-04		COMB1	-1.2335	-1.2304	-0.0038	0.0027	0.0001	0.0004
	0.00	COBERT	-1.15E-01	-5.40E-04	-2.91E-05		COMB2	-1.7941	-1.7914	-0.0067	-0.0012	-0.0001	0.0020
	0.54	COBERT	-1.15E-01	-5.40E-04	2.62E-04		COMB3	-2.1523	-2.1497	-0.0084	-0.0028	-0.0002	0.0028
	0.00	CORREAS	-2.36E-01	-3.90E-04	-1.91E-05		COMB4	-0.4227	-0.4200	-0.0003	0.0053	0.0002	-0.0011
1248	0.54	CORREAS	-2.36E-01	-3.90E-04	1.91E-04	1248	COMB5	-1.5895	-1.5868	-0.0057	-0.0002	-0.0001	0.0016
	0.00	VIVA	-4.60E-01	-2.16E-03	-1.16E-04		COMB6	-0.5251	-0.5224	-0.0008	0.0048	0.0002	-0.0009
	0.54	VIVA	-4.60E-01	-2.16E-03	1.05E-03		COMB7	-1.6578	-1.9194	-0.0065	-0.0018	-0.0002	0.0023
	0.00	VIENTO	-6.65E-01	-3.12E-03	-1.68E-04		COMB8	0.0719	0.0739	0.0016	0.0058	0.0003	-0.0017
	0.54	VIENTO	-6.65E-01	-3.12E-03	1.52E-03		COMB9	-1.2573	-1.2546	-0.0042	0.0014	0.0000	0.0009
	0.00	ESPECTRO	3.02E-02	1.73E-04	1.25E-05		COMB10	-0.7627	-0.7607	-0.0023	0.0019	0.0001	0.0003
	0.54	ESPECTRO	3.02E-02	1.73E-04	8.48E-05								
	0.00	DEAD	-5.29E-01	-1.94E-03	8.83E-05								
	0.54	DEAD	-5.27E-01	2.77E-03	-1.34E-04		COMB1	-1.2338	-1.2309	-0.0031	0.0035	0.0003	0.0002
	0.00	COBERT	-1.17E-01	-4.64E-04	1.16E-06		COMB2	-1.8089	-1.8065	-0.0056	0.0001	0.0003	0.0018
	0.54	COBERT	-1.17E-01	-4.64E-04	2.51E-04		COMB3	-2.1744	-2.1719	-0.0070	-0.0014	0.0003	0.0026
	0.00	CORREAS	-2.35E-01	2.14E-04	1.55E-04		COMB4	-0.4103	-0.4079	-0.0001	0.0056	0.0003	-0.0012
1249	0.54	CORREAS	-2.35E-01	2.14E-04	3.97E-05	1249	COMB5	-1.6003	-1.5979	-0.0048	0.0009	0.0003	0.0013
	0.00	VIVA	-4.70E-01	-1.85E-03	4.63E-06		COMB6	-0.5147	-0.5123	-0.0005	0.0052	0.0003	-0.0010
	0.54	VIVA	-4.70E-01	-1.85E-03	1.00E-03		COMB7	-1.6752	-1.9371	-0.0055	-0.0005	0.0002	0.0021
	0.00	VIENTO	-6.78E-01	-2.68E-03	6.68E-06		COMB8	0.0889	0.0907	0.0015	0.0057	0.0002	-0.0017
	0.54	VIENTO	-6.78E-01	-2.68E-03	1.45E-03		COMB9	-1.2605	-1.2581	-0.0034	0.0022	0.0003	0.0008
	0.00	ESPECTRO	3.18E-02	1.29E-04	1.51E-05		COMB10	-0.7613	-0.7595	-0.0018	0.0024	0.0002	0.0002
	0.54	ESPECTRO	3.18E-02	1.29E-04	7.42E-05								
	0.00	DEAD	-5.26E-01	-2.04E-03	8.45E-05								
	0.54	DEAD	-5.25E-01	2.75E-03	-1.06E-04		COMB1	-1.2181	-1.2156	-0.0034	0.0033	0.0003	0.0003
	0.00	COBERT	-1.07E-01	-1.94E-04	7.15E-05		COMB2	-1.7305	-1.7283	-0.0041	0.0016	0.0007	0.0014
	0.54	COBERT	-1.07E-01	-1.94E-04	1.76E-04		COMB3	-2.0643	-2.0621	-0.0047	0.0010	0.0009	0.0019
	0.00	CORREAS	-2.36E-01	-1.73E-04	4.59E-05		COMB4	-0.4529	-0.4507	-0.0018	0.0039	-0.0002	-0.0007
1250	0.54	CORREAS	-2.36E-01	-1.73E-04	1.39E-04	1250	COMB5	-1.5399	-1.5377	-0.0038	0.0020	0.0006	0.0011
	0.00	VIVA	-4.29E-01	-7.76E-04	2.86E-04		COMB6	-0.5483	-0.5461	-0.0020	0.0038	-0.0001	-0.0006
	0.54	VIVA	-4.29E-01	-7.76E-04	7.04E-04		COMB7	-1.5888	-1.8476	-0.0036	0.0014	0.0007	0.0016
	0.00	VIENTO	-6.20E-01	-1.12E-03	4.13E-04		COMB8	0.0226	0.0242	-0.0007	0.0036	-0.0004	-0.0011
	0.54	VIENTO	-6.20E-01	-1.12E-03	1.02E-03		COMB9	-1.2248	-1.2226	-0.0032	0.0025	0.0004	0.0007
	0.00	ESPECTRO	3.38E-02	4.85E-05	3.03E-05		COMB10	-0.7493	-0.7476	-0.0021	0.0022	0.0002	0.0002
	0.54	ESPECTRO	3.38E-02	4.85E-05	5.12E-05								
	0.00	DEAD	-5.20E-01	-2.17E-03	5.17E-05								
	0.54	DEAD	-5.18E-01	2.68E-03	-8.71E-05		COMB1	-1.1813	-1.1790	-0.0029	0.0039	0.0004	0.0001
	0.00	COBERT	-9.06E-02	-1.52E-04	7.41E-05		COMB2	-1.5921	-1.5901	-0.0034	0.0024	0.0008	0.0011
	0.54	COBERT	-9.06E-02	-1.52E-04	1.56E-04		COMB3	-1.8739	-1.8719	-0.0039	0.0019	0.0011	0.0016
	0.00	CORREAS	-2.34E-01	2.68E-04	1.67E-04		COMB4	-0.5133	-0.5114	-0.0016	0.0042	-0.0001	-0.0007
1251	0.54	CORREAS	-2.34E-01	2.68E-04	2.34E-05	1251	COMB5	-1.4311	-1.4292	-0.0032	0.0027	0.0007	0.0008
	0.00	VIVA	-3.62E-01	-6.06E-04	2.97E-04		COMB6	-0.5939	-0.5919	-0.0018	0.0041	0.0000	-0.0006
	0.54	VIVA	-3.62E-01	-6.06E-04	6.22E-04		COMB7	-1.4396	-1.6908	-0.0030	0.0022	0.0008	0.0013
	0.00	VIENTO	-5.23E-01	-8.76E-04	4.28E-04		COMB8	-0.0791	-0.0776	-0.0007	0.0037	-0.0003	-0.0011
	0.54	VIENTO	-5.23E-01	-8.76E-04	8.99E-04		COMB9	-1.1579	-1.1559	-0.0027	0.0031	0.0005	0.0005
	0.00	ESPECTRO	3.57E-02	4.09E-05	4.08E-05		COMB10	-0.7236	-0.7222	-0.0018	0.0026	0.0003	0.0001
	0.54	ESPECTRO	3.57E-02	4.09E-05	4.06E-05								
	0.00	DEAD	-5.06E-01	-2.23E-03	4.21E-05								
	0.54	DEAD	-5.05E-01	2.68E-03	-8.03E-05		COMB1	-1.1300	-1.1280	-0.0033	0.0035	0.0003	0.0002
	0.00	COBERT	-7.14E-02	-2.99E-05	1.06E-04		COMB2	-1.4257	-1.4240	-0.0030	0.0028	0.0009	0.0010
	0.54	COBERT	-7.14E-02	-2.99E-05	1.22E-04		COMB3	-1.6480	-1.6463	-0.0031	0.0028	0.0013	0.0014
	0.00	CORREAS	-2.29E-01	-1.22E-04	6.14E-05		COMB4	-0.5748	-0.5730	-0.0027	0.0032	-0.0003	-0.0005
1252	0.54	CORREAS	-2.29E-01	-1.22E-04	1.27E-04	1252	COMB5	-1.2988	-1.2971	-0.0030	0.0029	0.0007	0.0008
	0.00	VIVA	-2.86E-01	-1.20E-04	4.23E-04		COMB6	-0.6383	-0.6366	-0.0027	0.0032	-0.0002	-0.0004
	0.54	VIVA	-2.86E-01	-1.20E-04	4.87E-04		COMB7	-1.2630	-1.5035	-0.0024	0.0028	0.0010	0.0011

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO AS-3 (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames													
ELE.	Stat.	OutputCase	P	V2	M3	ELE.	COMB	Pu_1	Pu_2	$V2_1$	$V2_2$	Mu_1	Mu_2
Text	m	Text	Ton	Ton	Ton-m			(Ton)	(Ton)	(Ton)	(Ton)	(Ton.m)	(Ton.m)
	0.00	VIENTO	-4.13E-01	-1.73E-04	6.11E-04		COMB8	-0.1898	-0.1885	-0.0019	0.0025	-0.0006	-0.0008
	0.54	VIENTO	-4.13E-01	-1.73E-04	7.04E-04		COMB9	-1.0739	-1.0722	-0.0029	0.0030	0.0005	0.0005
	0.00	ESPECTRO	3.75E-02	6.03E-05	5.25E-05		COMB10	-0.6889	-0.6876	-0.0021	0.0023	0.0002	0.0002
	0.54	ESPECTRO	3.75E-02	6.03E-05	2.80E-05								
	0.00	DEAD	-4.82E-01	-2.28E-03	2.73E-05								
	0.54	DEAD	-4.81E-01	2.68E-03	-7.86E-05		COMB1	-1.0720	-1.0703	-0.0026	0.0044	0.0005	0.0000
	0.00	COBERT	-6.36E-02	1.17E-04	1.42E-04		COMB2	-1.3260	-1.3245	-0.0014	0.0045	0.0013	0.0005
	0.54	COBERT	-6.36E-02	1.17E-04	7.90E-05		COMB3	-1.5239	-1.5225	-0.0011	0.0049	0.0018	0.0008
	0.00	CORREAS	-2.20E-01	3.43E-04	1.87E-04		COMB4	-0.5682	-0.5667	-0.0028	0.0031	-0.0004	-0.0004
1253	0.54	CORREAS	-2.20E-01	3.43E-04	3.43E-06	1253	COMB5	-1.2129	-1.2114	-0.0016	0.0043	0.0011	0.0004
	0.00	VIVA	-2.54E-01	4.66E-04	5.66E-04		COMB6	-0.6248	-0.6233	-0.0027	0.0032	-0.0002	-0.0004
	0.54	VIVA	-2.54E-01	4.66E-04	3.16E-04		COMB7	-1.1670	-1.3952	-0.0008	0.0046	0.0014	0.0006
	0.00	VIENTO	-3.68E-01	6.74E-04	8.18E-04		COMB8	-0.2113	-0.2102	-0.0025	0.0019	-0.0007	-0.0006
	0.54	VIENTO	-3.68E-01	6.74E-04	4.57E-04		COMB9	-1.0077	-1.0062	-0.0019	0.0041	0.0008	0.0002
	0.00	ESPECTRO	3.83E-02	9.71E-05	6.24E-05		COMB10	-0.6508	-0.6497	-0.0015	0.0029	0.0004	0.0000
	0.54	ESPECTRO	3.83E-02	9.71E-05	1.51E-05								
	0.00	DEAD	-4.44E-01	-2.32E-03	1.14E-05								
	0.54	DEAD	-4.43E-01	2.68E-03	-8.40E-05		COMB1	-0.9780	-0.9766	-0.0030	0.0040	0.0004	0.0001
	0.00	COBERT	-5.03E-02	2.62E-04	1.70E-04		COMB2	-1.1605	-1.1592	-0.0009	0.0051	0.0014	0.0002
	0.54	COBERT	-5.03E-02	2.62E-04	2.98E-05		COMB3	-1.3171	-1.3159	0.0000	0.0060	0.0019	0.0003
	0.00	CORREAS	-2.04E-01	-5.15E-05	7.57E-05		COMB4	-0.5608	-0.5596	-0.0040	0.0020	-0.0006	-0.0001
1254	0.54	CORREAS	-2.04E-01	-5.15E-05	1.03E-04	1254	COMB5	-1.0710	-1.0698	-0.0013	0.0047	0.0011	0.0002
	0.00	VIVA	-2.01E-01	1.05E-03	6.80E-04		COMB6	-0.6056	-0.6043	-0.0037	0.0023	-0.0005	-0.0001
	0.54	VIVA	-2.01E-01	1.05E-03	1.19E-04		COMB7	-1.0069	-1.2152	0.0001	0.0054	0.0015	0.0003
	0.00	VIENTO	-2.91E-01	1.51E-03	9.82E-04		COMB8	-0.2506	-0.2496	-0.0039	0.0006	-0.0010	-0.0002
	0.54	VIENTO	-2.91E-01	1.51E-03	1.72E-04		COMB9	-0.9012	-0.9000	-0.0019	0.0041	0.0007	0.0001
	0.00	ESPECTRO	3.78E-02	1.35E-04	7.10E-05		COMB10	-0.5909	-0.5900	-0.0018	0.0027	0.0003	0.0000
	0.54	ESPECTRO	3.78E-02	1.35E-04	5.82E-06								
	0.00	DEAD	-3.92E-01	-2.31E-03	-1.47E-06								
	0.54	DEAD	-3.91E-01	2.72E-03	-1.10E-04		COMB1	-0.7949	-0.7938	-0.0021	0.0050	0.0005	-0.0003
	0.00	COBERT	6.83E-03	3.95E-04	1.73E-04		COMB2	-0.6377	-0.6367	0.0008	0.0068	0.0016	-0.0005
	0.54	COBERT	6.83E-03	3.95E-04	-3.83E-05		COMB3	-0.6164	-0.6154	0.0020	0.0080	0.0021	-0.0006
	0.00	CORREAS	-1.83E-01	4.50E-04	2.04E-04		COMB4	-0.7191	-0.7181	-0.0039	0.0021	-0.0005	0.0000
1255	0.54	CORREAS	-1.83E-01	4.50E-04	-3.65E-05	1255	COMB5	-0.6498	-0.6488	0.0001	0.0061	0.0013	-0.0004
	0.00	VIVA	2.73E-02	1.58E-03	6.92E-04		COMB6	-0.7130	-0.7120	-0.0036	0.0025	-0.0003	0.0000
	0.54	VIVA	2.73E-02	1.58E-03	-1.53E-04		COMB7	-0.4597	-0.6291	0.0016	0.0072	0.0016	-0.0005
	0.00	VIENTO	3.95E-02	2.28E-03	1.00E-03		COMB8	-0.5624	-0.5616	-0.0043	0.0002	-0.0010	0.0001
	0.54	VIENTO	3.95E-02	2.28E-03	-2.21E-04		COMB9	-0.6318	-0.6308	-0.0008	0.0053	0.0009	-0.0003
	0.00	ESPECTRO	3.59E-02	1.85E-04	7.98E-05		COMB10	-0.4751	-0.4744	-0.0011	0.0034	0.0004	-0.0001
	0.54	ESPECTRO	3.59E-02	1.85E-04	1.93E-05								
	0.00	DEAD	-3.26E-01	-2.41E-03	-3.12E-05								
	0.53	DEAD	-3.26E-01	2.64E-03	-9.25E-05		COMB1	-0.5132	-0.5124	-0.0029	0.0041	0.0003	-0.0001
	0.00	COBERT	1.13E-01	3.09E-04	1.34E-04		COMB2	0.2862	0.2870	-0.0006	0.0055	0.0011	-0.0002
	0.53	COBERT	1.13E-01	3.09E-04	-3.11E-05		COMB3	0.6394	0.6401	0.0004	0.0065	0.0015	-0.0003
	0.00	CORREAS	-1.54E-01	-4.24E-07	8.15E-05		COMB4	-1.0653	-1.0646	-0.0042	0.0018	-0.0005	0.0001
1256	0.53	CORREAS	-1.54E-01	-4.24E-07	8.17E-05	1256	COMB5	0.0846	0.0853	-0.0011	0.0050	0.0008	-0.0002
	0.00	VIVA	4.54E-01	1.23E-03	5.36E-04		COMB6	-0.9644	-0.9637	-0.0040	0.0021	-0.0004	0.0001
	0.53	VIVA	4.54E-01	1.23E-03	-1.24E-04		COMB7	0.5224	0.4132	0.0004	0.0059	0.0012	-0.0003
	0.00	VIENTO	6.56E-01	1.78E-03	7.74E-04		COMB8	-1.1823	-1.1817	-0.0042	0.0003	-0.0008	0.0002
	0.53	VIENTO	6.56E-01	1.78E-03	-1.80E-04		COMB9	-0.1804	-0.1797	-0.0017	0.0043	0.0006	-0.0001
	0.00	ESPECTRO	3.26E-02	1.83E-04	8.05E-05		COMB10	-0.2974	-0.2968	-0.0017	0.0028	0.0002	0.0000
	0.53	ESPECTRO	3.26E-02	1.83E-04	1.73E-05								
	0.00	DEAD	-2.57E-01	-2.39E-03	-5.85E-05								
	0.53	DEAD	-2.56E-01	2.68E-03	-1.35E-04		COMB1	-0.3210	-0.3204	-0.0012	0.0059	0.0006	-0.0006
	0.00	COBERT	1.53E-01	8.99E-04	2.82E-04		COMB2	0.7010	0.7015	0.0047	0.0108	0.0024	-0.0018
	0.53	COBERT	1.53E-01	8.99E-04	-1.99E-04		COMB3	1.1756	1.1761	0.0075	0.0136	0.0032	-0.0024
	0.00	CORREAS	-1.25E-01	6.21E-04	2.38E-04		COMB4	-1.1158	-1.1154	-0.0060	0.0001	-0.0010	0.0006
1257	0.53	CORREAS	-1.25E-01	6.21E-04	-9.39E-05	1257	COMB5	0.4299	0.4304	0.0031	0.0092	0.0019	-0.0014
	0.00	VIVA	6.10E-01	3.60E-03	1.13E-03		COMB6	-0.9802	-0.9797	-0.0052	0.0009	-0.0007	0.0004
	0.53	VIVA	6.10E-01	3.60E-03	-7.94E-04		COMB7	0.9394	0.8711	0.0060	0.0118	0.0025	-0.0020
	0.00	VIENTO	8.81E-01	5.20E-03	1.63E-03		COMB8	-1.3521	-1.3517	-0.0075	-0.0030	-0.0017	0.0011
	0.53	VIENTO	8.81E-01	5.20E-03	-1.15E-03		COMB9	0.0576	0.0580	0.0010	0.0071	0.0012	-0.0009
	0.00	ESPECTRO	2.77E-02	2.59E-04	9.79E-05		COMB10	-0.1787	-0.1783	-0.0005	0.0040	0.0005	-0.0003
	0.53	ESPECTRO	2.77E-02	2.59E-04	4.12E-05								
	0.00	DEAD	-2.04E-01	-2.03E-03	-1.34E-05								
	0.53	DEAD	-2.04E-01	3.05E-03	-2.88E-04		COMB1	-0.3087	-0.3084	-0.0006	0.0065	0.0007	-0.0009
	0.00	COBERT	8.16E-02	1.21E-03	3.67E-04		COMB2	0.2576	0.2578	0.0072	0.0133	0.0029	-0.0026
	0.53	COBERT	8.16E-02	1.21E-03	-2.77E-04		COMB3	0.5115	0.5118	0.0110	0.0171	0.0041	-0.0034
	0.00	CORREAS	-9.81E-02	4.07E-04	1.34E-04		COMB4	-0.7144	-0.7141	-0.0071	-0.0010	-0.0014	0.0008
1258	0.53	CORREAS	-9.81E-02	4.07E-04	-8.33E-05	1258	COMB5	0.1126	0.1128	0.0051	0.0112	0.0023	-0.0021
	0.00	VIVA	3.26E-01	4.82E-03	1.47E-03		COMB6	-0.6418	-0.6415	-0.0061	0.0000	-0.0011	0.0005

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO AS-3 (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames

ELE.	Stat.	OutputCase	P	V2	M3	ELE.	COMB	Pu_1	Pu_2	$V2_1$	$V2_2$	Mu_1	Mu_2
Text	m	Text	Ton	Ton	Ton-m			(Ton)	(Ton)	(Ton)	(Ton)	(Ton.m)	(Ton.m)
	0.53	VIVA	3.26E-01	4.82E-03	-1.11E-03		COMB7	0.4145	0.3486	0.0087	0.0147	0.0032	-0.0029
	0.00	VIENTO	4.71E-01	6.97E-03	2.12E-03		COMB8	-0.8114	-0.8112	-0.0094	-0.0049	-0.0023	0.0015
	0.53	VIENTO	4.71E-01	6.97E-03	-1.60E-03		COMB9	-0.0807	-0.0805	0.0025	0.0086	0.0014	-0.0012
	0.00	ESPECTRO	2.07E-02	5.47E-04	1.26E-04		COMB10	-0.1778	-0.1776	0.0002	0.0047	0.0006	-0.0004
	0.53	ESPECTRO	2.07E-02	5.47E-04	1.66E-04								
	0.00	DEAD	4.83E-02	-2.45E-03	-3.06E-04								
	0.53	DEAD	4.83E-02	1.40E-04	3.11E-04		COMB1	0.0683	0.0683	-0.0020	0.0016	0.0000	0.0001
	0.00	COBERT	-1.52E-02	9.19E-04	2.57E-04		COMB2	-0.0386	-0.0386	0.0042	0.0073	0.0017	-0.0014
	0.53	COBERT	-1.52E-02	9.19E-04	-2.33E-04		COMB3	-0.0859	-0.0859	0.0070	0.0101	0.0025	-0.0021
	0.00	CORREAS	1.57E-02	9.58E-05	7.77E-05		COMB4	0.1422	0.1422	-0.0068	-0.0037	-0.0014	0.0014
1259	0.53	CORREAS	1.57E-02	9.58E-05	2.66E-05	1259	COMB5	-0.0117	-0.0117	0.0025	0.0056	0.0012	-0.0010
	0.00	VIVA	-6.07E-02	3.68E-03	1.03E-03		COMB6	0.1287	0.1287	-0.0060	-0.0029	-0.0012	0.0012
	0.53	VIVA	-6.07E-02	3.68E-03	-9.33E-04		COMB7	-0.0702	-0.0555	0.0056	0.0083	0.0020	-0.0016
	0.00	VIENTO	-8.77E-02	5.31E-03	1.49E-03		COMB8	0.1579	0.1579	-0.0082	-0.0059	-0.0019	0.0018
	0.53	VIENTO	-8.77E-02	5.31E-03	-1.35E-03		COMB9	0.0570	0.0570	0.0010	0.0041	0.0007	0.0000
	0.00	ESPECTRO	2.89E-02	9.13E-04	1.28E-04		COMB10	0.0728	0.0728	-0.0004	0.0020	0.0002	0.0005
	0.53	ESPECTRO	2.89E-02	9.13E-04	3.63E-04								
	0.00	DEAD	-4.66E-02	-3.15E-04	5.24E-04								
	0.66	DEAD	-4.14E-02	3.13E-03	-4.07E-04		COMB1	0.1370	0.1444	0.0000	0.0049	0.0009	-0.0007
	0.00	COBERT	1.42E-01	2.84E-04	8.72E-05		COMB2	1.0253	1.0316	0.0019	0.0060	0.0013	-0.0013
	0.66	COBERT	1.42E-01	2.84E-04	-1.01E-04		COMB3	1.4668	1.4731	0.0027	0.0069	0.0016	-0.0016
	0.00	CORREAS	2.63E-03	5.82E-05	3.63E-05		COMB4	-0.6645	-0.6582	-0.0015	0.0026	0.0003	-0.0001
1585	0.66	CORREAS	2.63E-03	5.82E-05	-2.16E-06	1585	COMB5	0.7732	0.7795	0.0013	0.0055	0.0012	-0.0011
	0.00	VIVA	5.67E-01	1.14E-03	3.49E-04		COMB6	-0.5384	-0.5320	-0.0013	0.0029	0.0004	-0.0001
	0.66	VIVA	5.67E-01	1.14E-03	-4.02E-04		COMB7	1.1538	1.1894	0.0022	0.0063	0.0012	-0.0014
	0.00	VIENTO	8.20E-01	1.64E-03	5.04E-04		COMB8	-0.9776	-0.9729	-0.0021	0.0010	-0.0001	0.0003
	0.66	VIENTO	8.20E-01	1.64E-03	-5.81E-04		COMB9	0.4153	0.4216	0.0006	0.0048	0.0010	-0.0008
	0.00	ESPECTRO	1.41E-02	1.34E-05	4.66E-06		COMB10	0.1022	0.1069	0.0000	0.0031	0.0006	-0.0004
	0.66	ESPECTRO	1.41E-02	1.34E-05	1.34E-05								
	0.00	DEAD	-2.52E-02	2.24E-03	7.43E-04								
	0.55	DEAD	-2.10E-02	5.29E-03	-1.31E-03		COMB1	0.3155	0.3214	0.0047	0.0089	0.0011	-0.0026
	0.00	COBERT	2.42E-01	3.29E-04	-7.73E-05		COMB2	1.8188	1.8239	0.0061	0.0098	0.0005	-0.0039
	0.55	COBERT	2.42E-01	3.29E-04	-2.57E-04		COMB3	2.5718	2.5769	0.0072	0.0108	0.0002	-0.0047
	0.00	CORREAS	8.64E-03	7.77E-04	1.51E-04		COMB4	-1.0632	-1.0582	0.0022	0.0059	0.0014	-0.0008
1586	0.55	CORREAS	8.64E-03	7.77E-04	-2.72E-04	1586	COMB5	1.3889	1.3939	0.0055	0.0092	0.0006	-0.0034
	0.00	VIVA	9.68E-01	1.32E-03	-3.09E-04		COMB6	-0.8481	-0.8430	0.0025	0.0061	0.0013	-0.0010
	0.55	VIVA	9.68E-01	1.32E-03	-1.03E-03		COMB7	2.0203	2.0930	0.0055	0.0101	0.0002	-0.0041
	0.00	VIENTO	1.40E+00	1.90E-03	-4.47E-04		COMB8	-1.6147	-1.6109	0.0005	0.0033	0.0013	0.0003
	0.55	VIENTO	1.40E+00	1.90E-03	-1.48E-03		COMB9	0.7685	0.7736	0.0049	0.0085	0.0009	-0.0027
	0.00	ESPECTRO	1.42E-02	2.05E-04	6.07E-05		COMB10	0.2170	0.2208	0.0032	0.0060	0.0008	-0.0016
	0.55	ESPECTRO	1.42E-02	2.05E-04	5.43E-05								
	0.00	DEAD	4.89E-02	2.22E-03	5.93E-04								
	0.54	DEAD	5.30E-02	5.43E-03	-1.49E-03		COMB1	0.4892	0.4949	0.0041	0.0086	0.0006	-0.0029
	0.00	COBERT	2.54E-01	-1.92E-04	-2.73E-04		COMB2	2.0439	2.0488	0.0023	0.0062	-0.0013	-0.0036
	0.54	COBERT	2.54E-01	-1.92E-04	-1.68E-04		COMB3	2.8340	2.8389	0.0017	0.0056	-0.0021	-0.0041
	0.00	CORREAS	4.67E-02	9.07E-04	8.91E-05		COMB4	-0.9799	-0.9750	0.0046	0.0084	0.0020	-0.0016
1587	0.54	CORREAS	4.67E-02	9.07E-04	-4.05E-04	1587	COMB5	1.5928	1.5977	0.0026	0.0065	-0.0008	-0.0033
	0.00	VIVA	1.02E+00	-7.66E-04	-1.09E-03		COMB6	-0.7541	-0.7493	0.0044	0.0083	0.0018	-0.0017
	0.54	VIVA	1.02E+00	-7.66E-04	-6.73E-04		COMB7	2.2214	2.3312	0.0012	0.0059	-0.0017	-0.0037
	0.00	VIENTO	1.47E+00	-1.11E-03	-1.58E-03		COMB8	-1.5924	-1.5888	0.0041	0.0070	0.0024	-0.0006
	0.54	VIENTO	1.47E+00	-1.11E-03	-9.72E-04		COMB9	0.9510	0.9559	0.0035	0.0074	0.0000	-0.0027
	0.00	ESPECTRO	2.40E-02	3.70E-04	9.64E-05		COMB10	0.3385	0.3422	0.0030	0.0059	0.0005	-0.0017
	0.54	ESPECTRO	2.40E-02	3.70E-04	1.10E-04								
	0.00	DEAD	1.07E-01	1.35E-03	3.08E-04								
	0.54	DEAD	1.11E-01	4.72E-03	-1.35E-03		COMB1	0.5779	0.5834	0.0021	0.0068	0.0000	-0.0025
	0.00	COBERT	2.40E-01	-2.64E-04	-2.77E-04		COMB2	2.0329	2.0376	0.0001	0.0041	-0.0018	-0.0030
	0.54	COBERT	2.40E-01	-2.64E-04	-1.33E-04		COMB3	2.7806	2.7854	-0.0007	0.0033	-0.0027	-0.0034
	0.00	CORREAS	6.51E-02	3.97E-04	-6.38E-05		COMB4	-0.8290	-0.8243	0.0032	0.0073	0.0015	-0.0014
1588	0.54	CORREAS	6.51E-02	3.97E-04	-2.80E-04	1588	COMB5	1.6060	1.6107	0.0006	0.0046	-0.0013	-0.0027
	0.00	VIVA	9.61E-01	-1.06E-03	-1.11E-03		COMB6	-0.6153	-0.6106	0.0030	0.0071	0.0012	-0.0015
	0.54	VIVA	9.61E-01	-1.06E-03	-5.32E-04		COMB7	2.1763	2.3049	-0.0007	0.0038	-0.0021	-0.0031
	0.00	VIENTO	1.39E+00	-1.53E-03	-1.60E-03		COMB8	-1.4333	-1.4298	0.0033	0.0064	0.0021	-0.0006
	0.54	VIENTO	1.39E+00	-1.53E-03	-7.69E-04		COMB9	1.0104	1.0151	0.0016	0.0056	-0.0005	-0.0023
	0.00	ESPECTRO	3.46E-02	3.12E-04	7.13E-05		COMB10	0.4061	0.4096	0.0016	0.0047	0.0000	-0.0015
	0.54	ESPECTRO	3.46E-02	3.12E-04	1.05E-04								
	0.00	DEAD	1.51E-01	8.39E-04	1.71E-04								
	0.54	DEAD	1.55E-01	4.37E-03	-1.25E-03		COMB1	0.6858	0.6911	0.0013	0.0063	-0.0003	-0.0023
	0.00	COBERT	2.50E-01	-4.44E-04	-3.26E-04		COMB2	2.1865	2.1911	-0.0017	0.0025	-0.0023	-0.0025
	0.54	COBERT	2.50E-01	-4.44E-04	-8.45E-05		COMB3	2.9639	2.9685	-0.0031	0.0011	-0.0033	-0.0028
	0.00	CORREAS	8.87E-02	5.37E-04	-3.33E-05		COMB4	-0.7891	-0.7845	0.0036	0.0078	0.0016	-0.0015
1589	0.54	CORREAS	8.87E-02	5.37E-04	-3.25E-04	1589	COMB5	1.7426	1.7472	-0.0009	0.0033	-0.0017	-0.0024

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO AS-3 (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames

ELE.	Stat.	OutputCase	P	V2	M3
Text	m	Text	Ton	Ton	Ton-m
	0.00	VIVA	9.99E-01	-1.78E-03	-1.30E-03
	0.54	VIVA	9.99E-01	-1.78E-03	-3.38E-04
	0.00	VIENTO	1.44E+00	-2.57E-03	-1.88E-03
	0.54	VIENTO	1.44E+00	-2.57E-03	-4.88E-04
	0.00	ESPECTRO	4.57E-02	3.13E-04	6.99E-05
	0.54	ESPECTRO	4.57E-02	3.13E-04	1.08E-04
	0.00	DEAD	1.84E-01	3.03E-04	2.59E-05
	0.54	DEAD	1.87E-01	3.99E-03	-1.14E-03
	0.00	COBERT	2.67E-01	-5.82E-04	-3.60E-04
	0.54	COBERT	2.67E-01	-5.82E-04	-4.38E-05
	0.00	CORREAS	9.56E-02	6.65E-05	-1.65E-04
1590	0.54	CORREAS	9.56E-02	6.65E-05	-2.01E-04
	0.00	VIVA	1.07E+00	-2.33E-03	-1.44E-03
	0.54	VIVA	1.07E+00	-2.33E-03	-1.75E-04
	0.00	VIENTO	1.55E+00	-3.36E-03	-2.08E-03
	0.54	VIENTO	1.55E+00	-3.36E-03	-2.53E-04
	0.00	ESPECTRO	5.71E-02	3.06E-04	6.64E-05
	0.54	ESPECTRO	5.71E-02	3.06E-04	1.11E-04
	0.00	DEAD	2.08E-01	-2.08E-04	-1.08E-04
	0.54	DEAD	2.11E-01	3.62E-03	-1.03E-03
	0.00	COBERT	2.74E-01	-6.91E-04	-3.84E-04
	0.54	COBERT	2.74E-01	-6.91E-04	-8.37E-06
	0.00	CORREAS	1.09E-01	2.46E-04	-1.18E-04
1591	0.54	CORREAS	1.09E-01	2.46E-04	-2.52E-04
	0.00	VIVA	1.10E+00	-2.77E-03	-1.53E-03
	0.54	VIVA	1.10E+00	-2.77E-03	-3.35E-05
	0.00	VIENTO	1.58E+00	-4.00E-03	-2.22E-03
	0.54	VIENTO	1.58E+00	-4.00E-03	-4.84E-05
	0.00	ESPECTRO	6.81E-02	2.99E-04	6.37E-05
	0.54	ESPECTRO	6.81E-02	2.99E-04	1.13E-04
	0.00	DEAD	2.26E-01	-7.23E-04	-2.37E-04
	0.54	DEAD	2.29E-01	3.24E-03	-9.20E-04
	0.00	COBERT	2.69E-01	-8.11E-04	-4.04E-04
	0.54	COBERT	2.69E-01	-8.11E-04	3.62E-05
	0.00	CORREAS	1.09E-01	-2.54E-04	-2.51E-04
1592	0.54	CORREAS	1.09E-01	-2.54E-04	-1.13E-04
	0.00	VIVA	1.08E+00	-3.24E-03	-1.61E-03
	0.54	VIVA	1.08E+00	-3.24E-03	1.45E-04
	0.00	VIENTO	1.55E+00	-4.69E-03	-2.33E-03
	0.54	VIENTO	1.55E+00	-4.69E-03	2.09E-04
	0.00	ESPECTRO	7.80E-02	2.98E-04	6.22E-05
	0.54	ESPECTRO	7.80E-02	2.98E-04	1.17E-04
	0.00	DEAD	2.39E-01	-1.03E-03	-3.30E-04
	0.54	DEAD	2.43E-01	3.06E-03	-8.80E-04
	0.00	COBERT	2.61E-01	-6.80E-04	-3.85E-04
	0.54	COBERT	2.61E-01	-6.80E-04	-1.69E-05
	0.00	CORREAS	1.16E-01	1.03E-04	-1.70E-04
1593	0.54	CORREAS	1.16E-01	1.03E-04	-2.25E-04
	0.00	VIVA	1.04E+00	-2.72E-03	-1.54E-03
	0.54	VIVA	1.04E+00	-2.72E-03	-6.78E-05
	0.00	VIENTO	1.51E+00	-3.93E-03	-2.23E-03
	0.54	VIENTO	1.51E+00	-3.93E-03	-9.79E-05
	0.00	ESPECTRO	8.61E-02	2.32E-04	5.40E-05
	0.54	ESPECTRO	8.61E-02	2.32E-04	9.76E-05
	0.00	DEAD	2.49E-01	-2.04E-03	-6.19E-04
	0.54	DEAD	2.52E-01	2.17E-03	-6.54E-04
	0.00	COBERT	2.54E-01	-1.55E-03	-6.28E-04
	0.54	COBERT	2.54E-01	-1.55E-03	2.10E-04
	0.00	CORREAS	1.12E-01	-9.04E-04	-4.49E-04
1594	0.54	CORREAS	1.12E-01	-9.04E-04	4.04E-05
	0.00	VIVA	1.02E+00	-6.20E-03	-2.51E-03
	0.54	VIVA	1.02E+00	-6.20E-03	8.42E-04
	0.00	VIENTO	1.47E+00	-8.95E-03	-3.63E-03
	0.54	VIENTO	1.47E+00	-8.95E-03	1.22E-03
	0.00	ESPECTRO	9.23E-02	4.36E-04	1.01E-04
	0.54	ESPECTRO	9.23E-02	4.36E-04	1.50E-04
	0.00	DEAD	2.55E-01	-2.37E-03	-6.54E-04
	0.54	DEAD	2.58E-01	1.96E-03	-5.43E-04
	0.00	COBERT	2.47E-01	-1.27E-03	-4.86E-04
	0.54	COBERT	2.47E-01	-1.27E-03	2.00E-04
	0.00	CORREAS	1.15E-01	-3.12E-04	-2.55E-04

ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
	COMB6	-0.5669	-0.5624	0.0032	0.0074	0.0013	-0.0016
	COMB7	2.3174	2.4689	-0.0025	0.0020	-0.0026	-0.0026
	COMB8	-1.4356	-1.4322	0.0042	0.0074	0.0023	-0.0009
	COMB9	1.1331	1.1377	0.0005	0.0048	-0.0008	-0.0020
	COMB10	0.4866	0.4900	0.0012	0.0043	-0.0001	-0.0014
	COMB1	0.7654	0.7705	-0.0003	0.0049	-0.0007	-0.0019
	COMB2	2.3676	2.3719	-0.0040	0.0004	-0.0029	-0.0019
	COMB3	3.1999	3.2042	-0.0058	-0.0014	-0.0040	-0.0021
	COMB4	-0.8180	-0.8137	0.0030	0.0074	0.0014	-0.0014
1590	COMB5	1.8923	1.8967	-0.0029	0.0015	-0.0023	-0.0019
	COMB6	-0.5802	-0.5758	0.0024	0.0069	0.0011	-0.0015
	COMB7	2.5010	2.6694	-0.0046	-0.0002	-0.0032	-0.0020
	COMB8	-1.5169	-1.5136	0.0042	0.0075	0.0023	-0.0009
	COMB9	1.2480	1.2523	-0.0011	0.0033	-0.0013	-0.0016
	COMB10	0.5491	0.5524	0.0001	0.0034	-0.0004	-0.0011
	COMB1	0.8267	0.8316	-0.0009	0.0044	-0.0009	-0.0018
	COMB2	2.4616	2.4658	-0.0052	-0.0006	-0.0032	-0.0016
	COMB3	3.3141	3.3183	-0.0074	-0.0028	-0.0044	-0.0016
	COMB4	-0.8013	-0.7971	0.0030	0.0076	0.0014	-0.0015
1591	COMB5	1.9749	1.9790	-0.0040	0.0006	-0.0025	-0.0016
	COMB6	-0.5577	-0.5535	0.0024	0.0070	0.0010	-0.0015
	COMB7	2.5891	2.7705	-0.0058	-0.0014	-0.0034	-0.0016
	COMB8	-1.5263	-1.5231	0.0046	0.0081	0.0023	-0.0011
	COMB9	1.3245	1.3287	-0.0019	0.0027	-0.0014	-0.0015
	COMB10	0.5995	0.6027	-0.0003	0.0032	-0.0005	-0.0011
	COMB1	0.8454	0.8500	-0.0025	0.0030	-0.0012	-0.0014
	COMB2	2.4453	2.4493	-0.0073	-0.0026	-0.0037	-0.0010
	COMB3	3.2821	3.2860	-0.0099	-0.0051	-0.0049	-0.0009
	COMB4	-0.7574	-0.7535	0.0023	0.0071	0.0012	-0.0014
1592	COMB5	1.9675	1.9715	-0.0059	-0.0011	-0.0029	-0.0010
	COMB6	-0.5183	-0.5144	0.0016	0.0064	0.0008	-0.0014
	COMB7	2.5632	2.7483	-0.0077	-0.0035	-0.0038	-0.0009
	COMB8	-1.4763	-1.4733	0.0045	0.0080	0.0022	-0.0012
	COMB9	1.3403	1.3443	-0.0035	0.0013	-0.0018	-0.0010
	COMB10	0.6215	0.6244	-0.0013	0.0023	-0.0007	-0.0008
	COMB1	0.8632	0.8676	-0.0023	0.0035	-0.0012	-0.0016
	COMB2	2.4107	2.4145	-0.0063	-0.0014	-0.0035	-0.0015
	COMB3	3.2233	3.2270	-0.0084	-0.0035	-0.0047	-0.0015
	COMB4	-0.6992	-0.6954	0.0018	0.0067	0.0011	-0.0013
1593	COMB5	1.9468	1.9506	-0.0051	-0.0002	-0.0028	-0.0014
	COMB6	-0.4670	-0.4633	0.0012	0.0061	0.0007	-0.0013
	COMB7	2.5162	2.7049	-0.0066	-0.0021	-0.0037	-0.0015
	COMB8	-1.4063	-1.4035	0.0037	0.0073	0.0021	-0.0009
	COMB9	1.3482	1.3519	-0.0031	0.0019	-0.0018	-0.0013
	COMB10	0.6411	0.6439	-0.0012	0.0025	-0.0007	-0.0009
	COMB1	0.8616	0.8657	-0.0063	-0.0004	-0.0024	-0.0006
	COMB2	2.3633	2.3669	-0.0153	-0.0102	-0.0061	0.0009
	COMB3	3.1534	3.1570	-0.0201	-0.0151	-0.0080	0.0015
	COMB4	-0.6609	-0.6574	0.0031	0.0082	0.0014	-0.0016
1594	COMB5	1.9122	1.9157	-0.0126	-0.0075	-0.0049	0.0005
	COMB6	-0.4351	-0.4316	0.0018	0.0068	0.0009	-0.0015
	COMB7	2.4611	2.6493	-0.0157	-0.0120	-0.0062	0.0011
	COMB8	-1.3533	-1.3506	0.0076	0.0114	0.0032	-0.0019
	COMB9	1.3386	1.3421	-0.0081	-0.0030	-0.0032	0.0001
	COMB10	0.6462	0.6488	-0.0036	0.0002	-0.0014	-0.0002
	COMB1	0.8634	0.8673	-0.0055	0.0005	-0.0020	-0.0006
	COMB2	2.3204	2.3238	-0.0129	-0.0077	-0.0048	0.0008
	COMB3	3.0890	3.0923	-0.0168	-0.0116	-0.0063	0.0014
	COMB4	-0.6211	-0.6178	0.0023	0.0074	0.0010	-0.0016

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO AS-3 (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames

ELE.	Stat.	OutputCase	P	V2	M3
Text	m	Text	Ton	Ton	Ton-m
1595	0.54	CORREAS	1.15E-01	-3.12E-04	-8.64E-05
	0.00	VIVA	9.88E-01	-5.08E-03	-1.95E-03
	0.54	VIVA	9.88E-01	-5.08E-03	8.00E-04
	0.00	VIENTO	1.43E+00	-7.33E-03	-2.81E-03
	0.54	VIENTO	1.43E+00	-7.33E-03	1.16E-03
	0.00	ESPECTRO	9.63E-02	3.29E-04	6.37E-05
	0.54	ESPECTRO	9.63E-02	3.29E-04	1.39E-04
1596	0.00	DEAD	2.57E-01	-2.93E-03	-7.88E-04
	0.54	DEAD	2.59E-01	1.50E-03	-4.00E-04
	0.00	COBERT	2.37E-01	-1.39E-03	-5.12E-04
	0.54	COBERT	2.37E-01	-1.39E-03	2.37E-04
	0.00	CORREAS	1.09E-01	-1.07E-03	-4.55E-04
	0.54	CORREAS	1.09E-01	-1.07E-03	1.22E-04
	0.00	VIVA	9.48E-01	-5.55E-03	-2.05E-03
	0.54	VIVA	9.48E-01	-5.55E-03	9.50E-04
	0.00	VIENTO	1.37E+00	-8.02E-03	-2.96E-03
	0.54	VIENTO	1.37E+00	-8.02E-03	1.37E-03
	0.00	ESPECTRO	9.86E-02	3.18E-04	6.24E-05
	0.54	ESPECTRO	9.86E-02	3.18E-04	1.37E-04
1597	0.00	DEAD	2.53E-01	-3.41E-03	-8.86E-04
	0.54	DEAD	2.56E-01	1.12E-03	-2.67E-04
	0.00	COBERT	2.26E-01	-1.41E-03	-4.99E-04
	0.54	COBERT	2.26E-01	-1.41E-03	2.60E-04
	0.00	CORREAS	1.08E-01	-5.89E-04	-3.12E-04
	0.54	CORREAS	1.08E-01	-5.89E-04	5.52E-06
	0.00	VIVA	9.02E-01	-5.62E-03	-1.99E-03
	0.54	VIVA	9.02E-01	-5.62E-03	1.04E-03
	0.00	VIENTO	1.30E+00	-8.12E-03	-2.88E-03
	0.54	VIENTO	1.30E+00	-8.12E-03	1.50E-03
	0.00	ESPECTRO	9.94E-02	2.79E-04	5.55E-05
	0.54	ESPECTRO	9.94E-02	2.79E-04	1.31E-04
1598	0.00	DEAD	2.44E-01	-3.80E-03	-9.64E-04
	0.54	DEAD	2.46E-01	8.21E-04	-1.60E-04
	0.00	COBERT	2.13E-01	-1.39E-03	-4.81E-04
	0.54	COBERT	2.13E-01	-1.39E-03	2.69E-04
	0.00	CORREAS	9.90E-02	-1.27E-03	-4.89E-04
	0.54	CORREAS	9.90E-02	-1.27E-03	1.98E-04
	0.00	VIVA	8.53E-01	-5.56E-03	-1.93E-03
	0.54	VIVA	8.53E-01	-5.56E-03	1.07E-03
	0.00	VIENTO	1.23E+00	-8.04E-03	-2.78E-03
	0.54	VIENTO	1.23E+00	-8.04E-03	1.55E-03
	0.00	ESPECTRO	9.87E-02	2.35E-04	5.14E-05
	0.54	ESPECTRO	9.87E-02	2.35E-04	1.22E-04
1599	0.00	DEAD	2.28E-01	-4.63E-03	-1.09E-03
	0.54	DEAD	2.30E-01	7.70E-05	1.37E-04
	0.00	COBERT	2.06E-01	-1.59E-03	-4.90E-04
	0.54	COBERT	2.06E-01	-1.59E-03	3.64E-04
	0.00	CORREAS	9.21E-02	-9.58E-04	-3.56E-04
	0.54	CORREAS	9.21E-02	-9.58E-04	1.60E-04
	0.00	VIVA	8.25E-01	-6.34E-03	-1.96E-03
	0.54	VIVA	8.25E-01	-6.34E-03	1.45E-03
	0.00	VIENTO	1.19E+00	-9.16E-03	-2.83E-03
	0.54	VIENTO	1.19E+00	-9.16E-03	2.10E-03
	0.00	ESPECTRO	9.66E-02	1.98E-04	5.23E-05
	0.54	ESPECTRO	9.66E-02	1.98E-04	1.14E-04
1600	0.00	DEAD	2.07E-01	-3.40E-03	-6.75E-04
	0.54	DEAD	2.09E-01	1.38E-03	-1.31E-04
	0.00	COBERT	2.03E-01	-7.56E-04	-2.43E-04
	0.54	COBERT	2.03E-01	-7.56E-04	1.64E-04
	0.00	CORREAS	8.11E-02	-7.67E-04	-2.83E-04
	0.54	CORREAS	8.11E-02	-7.67E-04	1.30E-04
	0.00	VIVA	8.11E-01	-3.02E-03	-9.71E-04
	0.54	VIVA	8.11E-01	-3.02E-03	6.56E-04
	0.00	VIENTO	1.17E+00	-4.37E-03	-1.40E-03
	0.54	VIENTO	1.17E+00	-4.37E-03	9.48E-04
	0.00	ESPECTRO	9.29E-02	7.81E-05	6.07E-05
	0.54	ESPECTRO	9.29E-02	7.81E-05	8.40E-05
	0.00	DEAD	1.84E-01	-4.34E-03	-9.90E-04
	0.54	DEAD	1.86E-01	5.11E-04	3.89E-05
	0.00	COBERT	2.06E-01	-1.04E-03	-3.56E-04
	0.54	COBERT	2.06E-01	-1.04E-03	2.05E-04

ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
1595	COMB5	1.8816	1.8850	-0.0106	-0.0054	-0.0039	0.0004
	COMB6	-0.4015	-0.3982	0.0011	0.0063	0.0006	-0.0014
	COMB7	2.4101	2.5985	-0.0131	-0.0091	-0.0049	0.0010
	COMB8	-1.3000	-1.2975	0.0060	0.0099	0.0024	-0.0019
	COMB9	1.3302	1.3336	-0.0070	-0.0018	-0.0026	0.0000
	COMB10	0.6513	0.6538	-0.0032	0.0007	-0.0012	-0.0002
1596							
	COMB1	0.8437	0.8474	-0.0075	-0.0013	-0.0025	-0.0001
	COMB2	2.2398	2.2430	-0.0153	-0.0100	-0.0054	0.0015
	COMB3	2.9774	2.9805	-0.0197	-0.0143	-0.0070	0.0022
	COMB4	-0.5831	-0.5799	0.0012	0.0065	0.0007	-0.0014
	COMB5	1.8187	1.8218	-0.0129	-0.0076	-0.0045	0.0010
	COMB6	-0.3723	-0.3692	-0.0001	0.0053	0.0003	-0.0011
	COMB7	2.3226	2.5065	-0.0153	-0.0116	-0.0054	0.0017
	COMB8	-1.2378	-1.2355	0.0056	0.0096	0.0023	-0.0018
	COMB9	1.2958	1.2989	-0.0089	-0.0036	-0.0031	0.0006
	COMB10	0.6411	0.6434	-0.0045	-0.0005	-0.0015	0.0001
1597							
	COMB1	0.8210	0.8244	-0.0076	-0.0012	-0.0024	0.0000
	COMB2	2.1471	2.1500	-0.0155	-0.0100	-0.0052	0.0017
	COMB3	2.8490	2.8519	-0.0199	-0.0144	-0.0068	0.0025
	COMB4	-0.5394	-0.5365	0.0013	0.0067	0.0007	-0.0014
	COMB5	1.7463	1.7492	-0.0130	-0.0075	-0.0043	0.0012
	COMB6	-0.3388	-0.3359	0.0000	0.0055	0.0003	-0.0012
	COMB7	2.2220	2.4008	-0.0154	-0.0116	-0.0053	0.0020
	COMB8	-1.1664	-1.1642	0.0057	0.0098	0.0022	-0.0020
	COMB9	1.2542	1.2571	-0.0090	-0.0036	-0.0030	0.0006
	COMB10	0.6272	0.6294	-0.0046	-0.0005	-0.0015	0.0001
1598							
	COMB1	0.7792	0.7823	-0.0091	-0.0026	-0.0027	0.0004
	COMB2	2.0333	2.0360	-0.0167	-0.0111	-0.0054	0.0021
	COMB3	2.6974	2.7000	-0.0210	-0.0154	-0.0069	0.0029
	COMB4	-0.5082	-0.5055	-0.0001	0.0055	0.0003	-0.0011
	COMB5	1.6542	1.6569	-0.0142	-0.0086	-0.0045	0.0016
	COMB6	-0.3185	-0.3158	-0.0013	0.0042	-0.0001	-0.0009
	COMB7	2.1037	2.2733	-0.0163	-0.0127	-0.0054	0.0024
	COMB8	-1.1019	-1.0999	0.0046	0.0088	0.0019	-0.0017
	COMB9	1.1933	1.1960	-0.0103	-0.0048	-0.0032	0.0010
	COMB10	0.5996	0.6016	-0.0056	-0.0014	-0.0017	0.0004
1599							
	COMB1	0.7361	0.7389	-0.0100	-0.0035	-0.0027	0.0009
	COMB2	1.9502	1.9526	-0.0188	-0.0131	-0.0055	0.0031
	COMB3	2.5917	2.5942	-0.0237	-0.0180	-0.0070	0.0043
	COMB4	-0.5053	-0.5029	0.0001	0.0058	0.0004	-0.0012
	COMB5	1.5839	1.5863	-0.0159	-0.0103	-0.0046	0.0025
	COMB6	-0.3220	-0.3196	-0.0013	0.0044	-0.0001	-0.0009
	COMB7	2.0217	2.1819	-0.0184	-0.0149	-0.0054	0.0035
	COMB8	-1.0753	-1.0735	0.0055	0.0097	0.0019	-0.0021
	COMB9	1.1398	1.1422	-0.0116	-0.0059	-0.0033	0.0016
	COMB10	0.5698	0.5716	-0.0063	-0.0020	-0.0017	0.0007
1600							
	COMB1	0.6880	0.6906	-0.0069	-0.0002	-0.0017	0.0002
	COMB2	1.8881	1.8903	-0.0108	-0.0050	-0.0030	0.0012
	COMB3	2.5195	2.5217	-0.0131	-0.0074	-0.0038	0.0018
	COMB4	-0.5285	-0.5263	-0.0017	0.0040	-0.0001	-0.0007
	COMB5	1.5276	1.5298	-0.0094	-0.0037	-0.0026	0.0010
	COMB6	-0.3481	-0.3459	-0.0024	0.0033	-0.0003	-0.0006
	COMB7	1.9664	2.1160	-0.0101	-0.0059	-0.0029	0.0014
	COMB8	-1.0817	-1.0801	0.0012	0.0056	0.0007	-0.0011
	COMB9	1.0884	1.0906	-0.0073	-0.0016	-0.0019	0.0006
	COMB10	0.5352	0.5369	-0.0044	0.0000	-0.0010	0.0002
	COMB1	0.6457	0.6480	-0.0085	-0.0017	-0.0023	0.0005
	COMB2	1.8745	1.8764	-0.0140	-0.0081	-0.0042	0.0017
	COMB3	2.5169	2.5188	-0.0172	-0.0114	-0.0053	0.0023

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO AS-3 (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames

ELE.	Stat.	OutputCase	P	V2	M3
Text	m	Text	Ton	Ton	Ton-m
1601	0.00	CORREAS	7.08E-02	-6.76E-04	-2.84E-04
	0.54	CORREAS	7.08E-02	-6.76E-04	7.96E-05
	0.00	VIVA	8.26E-01	-4.18E-03	-1.42E-03
	0.54	VIVA	8.26E-01	-4.18E-03	8.21E-04
	0.00	VIENTO	1.19E+00	-6.04E-03	-2.06E-03
	0.54	VIENTO	1.19E+00	-6.04E-03	1.19E-03
	0.00	ESPECTRO	8.82E-02	6.62E-05	7.10E-05
	0.54	ESPECTRO	8.82E-02	6.62E-05	7.12E-05
1602	0.00	DEAD	1.63E-01	-4.35E-03	-9.32E-04
	0.54	DEAD	1.64E-01	5.60E-04	8.57E-05
	0.00	COBERT	2.05E-01	-8.92E-04	-2.92E-04
	0.54	COBERT	2.05E-01	-8.92E-04	1.87E-04
	0.00	CORREAS	6.02E-02	-1.04E-03	-3.60E-04
	0.54	CORREAS	6.02E-02	-1.04E-03	2.00E-04
	0.00	VIVA	8.20E-01	-3.57E-03	-1.17E-03
	0.54	VIVA	8.20E-01	-3.57E-03	7.47E-04
	0.00	VIENTO	1.18E+00	-5.16E-03	-1.69E-03
	0.54	VIENTO	1.18E+00	-5.16E-03	1.08E-03
	0.00	ESPECTRO	8.18E-02	6.74E-05	8.26E-05
	0.54	ESPECTRO	8.18E-02	6.74E-05	5.43E-05
1603	0.00	DEAD	1.42E-01	-4.48E-03	-9.30E-04
	0.54	DEAD	1.44E-01	4.74E-04	1.46E-04
	0.00	COBERT	1.91E-01	-7.79E-04	-2.49E-04
	0.54	COBERT	1.91E-01	-7.79E-04	1.69E-04
	0.00	CORREAS	5.03E-02	-6.12E-04	-2.27E-04
	0.54	CORREAS	5.03E-02	-6.12E-04	1.01E-04
	0.00	VIVA	7.62E-01	-3.12E-03	-9.98E-04
	0.54	VIVA	7.62E-01	-3.12E-03	6.74E-04
	0.00	VIENTO	1.10E+00	-4.50E-03	-1.44E-03
	0.54	VIENTO	1.10E+00	-4.50E-03	9.74E-04
	0.00	ESPECTRO	7.48E-02	1.15E-04	9.50E-05
	0.54	ESPECTRO	7.48E-02	1.15E-04	3.49E-05
1604	0.00	DEAD	1.23E-01	-4.52E-03	-9.00E-04
	0.54	DEAD	1.24E-01	4.81E-04	1.82E-04
	0.00	COBERT	1.78E-01	-6.34E-04	-2.02E-04
	0.54	COBERT	1.78E-01	-6.34E-04	1.37E-04
	0.00	CORREAS	4.12E-02	-1.00E-03	-3.18E-04
	0.54	CORREAS	4.12E-02	-1.00E-03	2.19E-04
	0.00	VIVA	7.10E-01	-2.54E-03	-8.10E-04
	0.54	VIVA	7.10E-01	-2.54E-03	5.50E-04
	0.00	VIENTO	1.03E+00	-3.67E-03	-1.17E-03
	0.54	VIENTO	1.03E+00	-3.67E-03	7.94E-04
	0.00	ESPECTRO	6.69E-02	1.75E-04	1.07E-04
	0.54	ESPECTRO	6.69E-02	1.75E-04	1.40E-05
1605	0.00	DEAD	1.05E-01	-4.59E-03	-8.71E-04
	0.54	DEAD	1.06E-01	4.44E-04	2.38E-04
	0.00	COBERT	2.07E-01	-5.41E-04	-1.85E-04
	0.54	COBERT	2.07E-01	-5.41E-04	1.05E-04
	0.00	CORREAS	3.16E-02	-5.33E-04	-1.71E-04
	0.54	CORREAS	3.16E-02	-5.33E-04	1.14E-04
	0.00	VIVA	8.27E-01	-2.16E-03	-7.38E-04
	0.54	VIVA	8.27E-01	-2.16E-03	4.20E-04
	0.00	VIENTO	1.19E+00	-3.12E-03	-1.07E-03
	0.54	VIENTO	1.19E+00	-3.12E-03	6.06E-04
	0.00	ESPECTRO	5.75E-02	2.56E-04	1.21E-04
	0.54	ESPECTRO	5.75E-02	2.56E-04	1.61E-05
1606	0.00	DEAD	8.89E-02	-4.19E-03	-7.78E-04
	0.53	DEAD	8.95E-02	8.64E-04	1.13E-04
	0.00	COBERT	2.82E-01	-4.28E-04	-1.75E-04
	0.53	COBERT	2.82E-01	-4.28E-04	5.42E-05
	0.00	CORREAS	2.55E-02	-7.68E-04	-2.40E-04
	0.53	CORREAS	2.55E-02	-7.68E-04	1.71E-04
	0.00	VIVA	1.13E+00	-1.71E-03	-6.99E-04
	0.53	VIVA	1.13E+00	-1.71E-03	2.17E-04
	0.00	VIENTO	1.63E+00	-2.47E-03	-1.01E-03
	0.53	VIENTO	1.63E+00	-2.47E-03	3.13E-04
	0.00	ESPECTRO	4.62E-02	2.62E-04	1.24E-04
	0.53	ESPECTRO	4.62E-02	2.62E-04	1.71E-05
	0.00	DEAD	7.96E-02	-4.85E-03	-8.95E-04
	0.53	DEAD	8.00E-02	2.24E-04	3.40E-04
	0.00	COBERT	2.90E-01	-1.19E-04	-6.54E-05

ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
1601	COMB4	-0.5844	-0.5824	-0.0015	0.0043	0.0000	-0.0007
	COMB5	1.5077	1.5096	-0.0121	-0.0063	-0.0036	0.0013
	COMB6	-0.4008	-0.3988	-0.0024	0.0034	-0.0003	-0.0006
	COMB7	1.9657	2.1060	-0.0133	-0.0093	-0.0041	0.0019
	COMB8	-1.1355	-1.1341	0.0024	0.0068	0.0012	-0.0013
	COMB9	1.0545	1.0564	-0.0093	-0.0035	-0.0026	0.0009
	COMB10	0.5033	0.5047	-0.0054	-0.0010	-0.0014	0.0004
1602							
	COMB1	0.5993	0.6013	-0.0088	-0.0019	-0.0022	0.0007
	COMB2	1.8261	1.8278	-0.0132	-0.0074	-0.0038	0.0018
	COMB3	2.4643	2.4660	-0.0160	-0.0101	-0.0047	0.0023
	COMB4	-0.6167	-0.6150	-0.0026	0.0033	-0.0003	-0.0005
	COMB5	1.4617	1.4634	-0.0117	-0.0058	-0.0033	0.0014
	COMB6	-0.4343	-0.4326	-0.0034	0.0025	-0.0005	-0.0003
	COMB7	1.9257	2.0559	-0.0124	-0.0084	-0.0036	0.0020
	COMB8	-1.1552	-1.1539	0.0010	0.0055	0.0008	-0.0010
	COMB9	1.0056	1.0073	-0.0093	-0.0034	-0.0024	0.0010
	COMB10	0.4671	0.4684	-0.0056	-0.0012	-0.0013	0.0005
1603							
	COMB1	0.5367	0.5384	-0.0082	-0.0013	-0.0020	0.0006
	COMB2	1.6800	1.6815	-0.0120	-0.0061	-0.0033	0.0016
	COMB3	2.2733	2.2748	-0.0145	-0.0085	-0.0041	0.0021
	COMB4	-0.5907	-0.5892	-0.0028	0.0032	-0.0003	-0.0004
	COMB5	1.3413	1.3428	-0.0107	-0.0047	-0.0028	0.0013
	COMB6	-0.4212	-0.4197	-0.0034	0.0025	-0.0005	-0.0003
	COMB7	1.7771	1.8936	-0.0111	-0.0070	-0.0031	0.0018
	COMB8	-1.0870	-1.0859	0.0006	0.0050	0.0006	-0.0009
	COMB9	0.9161	0.9175	-0.0085	-0.0025	-0.0021	0.0009
	COMB10	0.4198	0.4209	-0.0052	-0.0007	-0.0012	0.0004
1604							
	COMB1	0.4778	0.4792	-0.0086	-0.0016	-0.0020	0.0008
	COMB2	1.5458	1.5471	-0.0114	-0.0054	-0.0030	0.0015
	COMB3	2.0984	2.0996	-0.0134	-0.0074	-0.0036	0.0020
	COMB4	-0.5691	-0.5679	-0.0039	0.0021	-0.0006	-0.0001
	COMB5	1.2303	1.2316	-0.0103	-0.0043	-0.0026	0.0013
	COMB6	-0.4112	-0.4100	-0.0045	0.0015	-0.0008	0.0000
	COMB7	1.6409	1.7445	-0.0103	-0.0062	-0.0028	0.0017
	COMB8	-1.0266	-1.0257	-0.0008	0.0037	0.0002	-0.0005
	COMB9	0.8315	0.8327	-0.0085	-0.0025	-0.0020	0.0009
	COMB10	0.3740	0.3750	-0.0054	-0.0009	-0.0012	0.0005
1605							
	COMB1	0.4808	0.4819	-0.0079	-0.0009	-0.0017	0.0006
	COMB2	1.7350	1.7360	-0.0103	-0.0042	-0.0027	0.0012
	COMB3	2.3783	2.3793	-0.0119	-0.0059	-0.0032	0.0015
	COMB4	-0.7273	-0.7264	-0.0038	0.0022	-0.0005	0.0000
	COMB5	1.3677	1.3687	-0.0093	-0.0033	-0.0023	0.0010
	COMB6	-0.5435	-0.5425	-0.0043	0.0017	-0.0006	0.0001
	COMB7	1.8619	1.9659	-0.0092	-0.0048	-0.0025	0.0013
	COMB8	-1.2438	-1.2430	-0.0010	0.0035	0.0003	-0.0004
	COMB9	0.8830	0.8840	-0.0076	-0.0016	-0.0017	0.0008
	COMB10	0.3666	0.3673	-0.0048	-0.0003	-0.0010	0.0004
1606							
	COMB1	0.5550	0.5559	-0.0075	-0.0005	-0.0017	0.0005
	COMB2	2.2810	2.2817	-0.0092	-0.0031	-0.0025	0.0008
	COMB3	3.1588	3.1596	-0.0105	-0.0045	-0.0031	0.0009
	COMB4	-1.0791	-1.0784	-0.0041	0.0020	-0.0005	0.0001
	COMB5	1.7797	1.7804	-0.0084	-0.0024	-0.0022	0.0007
	COMB6	-0.8283	-0.8275	-0.0045	0.0016	-0.0006	0.0002
	COMB7	2.4758	2.5954	-0.0081	-0.0036	-0.0024	0.0008
	COMB8	-1.7622	-1.7616	-0.0016	0.0029	0.0002	-0.0001
	COMB9	1.0860	1.0868	-0.0071	-0.0010	-0.0017	0.0005
	COMB10	0.4030	0.4035	-0.0046	0.0000	-0.0009	0.0003
	COMB1	0.5455	0.5461	-0.0076	-0.0005	-0.0015	0.0006
	COMB2	2.3267	2.3272	-0.0072	-0.0012	-0.0017	0.0005

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO AS-3 (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames													
ELE.	Stat.	OutputCase	P	V2	M3	ELE.	COMB	Pu_1	Pu_2	$V2_1$	$V2_2$	Mu_1	Mu_2
Text	m	Text	Ton	Ton	Ton-m			(Ton)	(Ton)	(Ton)	(Ton)	(Ton.m)	(Ton.m)
	0.53	COBERT	2.90E-01	-1.19E-04	-2.08E-06		COMB3	3.2308	3.2313	-0.0076	-0.0015	-0.0019	0.0005
	0.00	CORREAS	1.96E-02	-4.37E-04	-1.22E-04		COMB4	-1.1336	-1.1331	-0.0058	0.0003	-0.0009	0.0006
1607	0.53	CORREAS	1.96E-02	-4.37E-04	1.12E-04	1607	COMB5	1.8105	1.8110	-0.0070	-0.0009	-0.0016	0.0005
	0.00	VIVA	1.16E+00	-4.74E-04	-2.62E-04		COMB6	-0.8753	-0.8748	-0.0059	0.0001	-0.0010	0.0005
	0.53	VIVA	1.16E+00	-4.74E-04	-8.31E-06		COMB7	2.5329	2.6503	-0.0058	-0.0013	-0.0015	0.0005
	0.00	VIENTO	1.68E+00	-6.85E-04	-3.78E-04		COMB8	-1.8315	-1.8311	-0.0040	0.0006	-0.0005	0.0004
	0.53	VIENTO	1.68E+00	-6.85E-04	-1.20E-05		COMB9	1.0796	1.0800	-0.0063	-0.0002	-0.0013	0.0006
	0.00	ESPECTRO	3.10E-02	4.32E-04	1.58E-04		COMB10	0.3817	0.3821	-0.0044	0.0001	-0.0008	0.0005
	0.53	ESPECTRO	3.10E-02	4.32E-04	7.31E-05								
	0.00	DEAD	4.73E-02	-4.36E-03	-7.19E-04								
	0.53	DEAD	4.75E-02	7.20E-04	2.53E-04		COMB1	0.3388	0.3391	-0.0066	0.0005	-0.0011	0.0005
	0.00	COBERT	1.85E-01	2.07E-04	6.96E-05		COMB2	1.4732	1.4734	-0.0044	0.0017	-0.0005	0.0002
	0.53	COBERT	1.85E-01	2.07E-04	-4.11E-05		COMB3	2.0483	2.0486	-0.0037	0.0024	-0.0003	0.0000
	0.00	CORREAS	9.95E-03	-5.85E-04	-1.68E-04		COMB4	-0.7283	-0.7280	-0.0068	-0.0007	-0.0014	0.0007
	0.53	CORREAS	9.95E-03	-5.85E-04	1.45E-04		COMB5	1.1448	1.1450	-0.0047	0.0014	-0.0007	0.0002
1608	0.00	VIVA	7.39E-01	8.30E-04	2.79E-04	1608	COMB6	-0.5639	-0.5637	-0.0066	-0.0005	-0.0013	0.0006
	0.53	VIVA	7.39E-01	8.30E-04	-1.65E-04		COMB7	1.6061	1.6790	-0.0027	0.0020	-0.0002	0.0001
	0.00	VIENTO	1.07E+00	1.20E-03	4.02E-04		COMB8	-1.1705	-1.1703	-0.0058	-0.0013	-0.0013	0.0006
	0.53	VIENTO	1.07E+00	1.20E-03	-2.38E-04		COMB9	0.6763	0.6765	-0.0047	0.0014	-0.0007	0.0005
	0.00	ESPECTRO	1.62E-02	5.83E-04	1.67E-04		COMB10	0.2341	0.2342	-0.0037	0.0009	-0.0006	0.0005
	0.53	ESPECTRO	1.62E-02	5.83E-04	1.46E-04								
	0.00	DEAD	-2.48E-02	-4.14E-03	-6.46E-04								
	0.53	DEAD	-2.48E-02	-1.55E-03	8.70E-04		COMB1	-0.1301	-0.1301	-0.0063	-0.0027	-0.0008	0.0016
	0.00	COBERT	-5.13E-02	3.31E-04	1.36E-04		COMB2	-0.4400	-0.4400	-0.0033	-0.0002	0.0002	0.0011
	0.53	COBERT	-5.13E-02	3.31E-04	-4.03E-05		COMB3	-0.5997	-0.5997	-0.0023	0.0008	0.0006	0.0010
	0.00	CORREAS	-1.68E-02	-7.22E-04	-8.18E-05		COMB4	0.1714	0.1714	-0.0073	-0.0041	-0.0015	0.0016
	0.53	CORREAS	-1.68E-02	-7.22E-04	3.04E-04		COMB5	-0.3488	-0.3488	-0.0039	-0.0008	-0.0001	0.0012
1609	0.00	VIVA	-2.05E-01	1.32E-03	5.45E-04	1609	COMB6	0.1258	0.1257	-0.0070	-0.0039	-0.0013	0.0015
	0.53	VIVA	-2.05E-01	1.32E-03	-1.61E-04		COMB7	-0.4692	-0.4971	-0.0016	0.0002	0.0005	0.0011
	0.00	VIENTO	-2.97E-01	1.91E-03	7.87E-04		COMB8	0.3019	0.3019	-0.0066	-0.0042	-0.0016	0.0013
	0.53	VIENTO	-2.97E-01	1.91E-03	-2.33E-04		COMB9	-0.2006	-0.2007	-0.0045	-0.0014	-0.0003	0.0014
	0.00	ESPECTRO	1.35E-02	2.68E-04	8.97E-05		COMB10	-0.0701	-0.0701	-0.0038	-0.0015	-0.0004	0.0011
	0.53	ESPECTRO	1.35E-02	2.68E-04	7.87E-05								
BRIDA INFERIOR						BRIDA INFERIOR							
	0.00	DEAD	-8.00E-02	-5.76E-03	-1.41E-03								
	0.50	DEAD	-7.60E-02	-3.02E-03	8.05E-04		COMB1	-0.3704	-0.3648	-0.0114	-0.0076	-0.0030	0.0018
	0.00	COBERT	-1.16E-01	-1.72E-03	-5.59E-04		COMB2	-1.0606	-1.0558	-0.0208	-0.0175	-0.0062	0.0035
	0.50	COBERT	-1.16E-01	-1.72E-03	3.10E-04		COMB3	-1.4219	-1.4172	-0.0262	-0.0229	-0.0079	0.0045
	0.00	CORREAS	-6.85E-02	-6.63E-04	-1.88E-04		COMB4	0.3226	0.3273	-0.0003	0.0030	0.0005	-0.0002
	0.50	CORREAS	-6.85E-02	-6.63E-04	1.47E-04		COMB5	-0.8542	-0.8495	-0.0177	-0.0145	-0.0052	0.0029
474	0.00	VIVA	-4.64E-01	-6.89E-03	-2.24E-03	474	COMB6	0.2193	0.2241	-0.0018	0.0015	0.0000	0.0001
	0.50	VIVA	-4.64E-01	-6.89E-03	1.24E-03		COMB7	-1.1104	-1.1850	-0.0203	-0.0194	-0.0061	0.0038
	0.00	VIENTO	-6.71E-01	-9.95E-03	-3.23E-03		COMB8	0.6342	0.6377	0.0056	0.0081	0.0023	-0.0012
	0.50	VIENTO	-6.71E-01	-9.95E-03	1.79E-03		COMB9	-0.5199	-0.5151	-0.0127	-0.0095	-0.0036	0.0022
	0.00	ESPECTRO	2.98E-02	4.73E-04	1.41E-04		COMB10	-0.2083	-0.2047	-0.0069	-0.0044	-0.0018	0.0012
	0.50	ESPECTRO	2.98E-02	4.73E-04	9.71E-05								
	0.00	DEAD	-3.70E-02	-3.66E-03	-6.01E-04								
	0.50	DEAD	-3.32E-02	-7.65E-04	5.14E-04		COMB1	-0.2197	-0.2144	-0.0074	-0.0033	-0.0014	0.0012
	0.00	COBERT	-6.90E-02	-1.19E-03	-3.36E-04		COMB2	-0.6297	-0.6251	-0.0139	-0.0104	-0.0034	0.0028
	0.50	COBERT	-6.90E-02	-1.19E-03	2.63E-04		COMB3	-0.8444	-0.8398	-0.0176	-0.0141	-0.0044	0.0036
	0.00	CORREAS	-5.10E-02	-4.10E-04	-9.33E-05		COMB4	0.1918	0.1964	0.0002	0.0037	0.0006	-0.0004
	0.50	CORREAS	-5.10E-02	-4.10E-04	1.13E-04		COMB5	-0.5072	-0.5026	-0.0118	-0.0083	-0.0028	0.0023
475	0.00	VIVA	-2.76E-01	-4.75E-03	-1.34E-03	475	COMB6	0.1305	0.1351	-0.0008	0.0027	0.0003	-0.0001
	0.50	VIVA	-2.76E-01	-4.75E-03	1.05E-03		COMB7	-0.6593	-0.7018	-0.0137	-0.0118	-0.0034	0.0030
	0.00	VIENTO	-3.99E-01	-6.86E-03	-1.94E-03		COMB8	0.3768	0.3803	0.0042	0.0068	0.0016	-0.0012
	0.50	VIENTO	-3.99E-01	-6.86E-03	1.52E-03		COMB9	-0.3082	-0.3036	-0.0083	-0.0049	-0.0018	0.0017
	0.00	ESPECTRO	1.81E-02	3.43E-04	8.65E-05		COMB10	-0.1232	-0.1197	-0.0044	-0.0018	-0.0008	0.0009
	0.50	ESPECTRO	1.81E-02	3.43E-04	8.67E-05								
	0.00	DEAD	-1.07E-03	-3.74E-03	-6.25E-04								
	0.50	DEAD	2.64E-03	-6.94E-04	4.93E-04		COMB1	-0.0783	-0.0731	-0.0076	-0.0033	-0.0015	0.0013
	0.00	COBERT	-2.36E-02	-1.24E-03	-3.40E-04		COMB2	-0.2180	-0.2135	-0.0145	-0.0108	-0.0035	0.0029
	0.50	COBERT	-2.36E-02	-1.24E-03	2.87E-04		COMB3	-0.2913	-0.2869	-0.0183	-0.0147	-0.0045	0.0038
	0.00	CORREAS	-3.13E-02	-4.47E-04	-9.52E-05		COMB4	0.0628	0.0673	0.0003	0.0040	0.0006	-0.0005
	0.50	CORREAS	-3.13E-02	-4.47E-04	1.30E-04		COMB5	-0.1761	-0.1716	-0.0123	-0.0086	-0.0028	0.0024
476	0.00	VIVA	-9.43E-02	-4.97E-03	-1.36E-03	476	COMB6	0.0419	0.0463	-0.0008	0.0029	0.0003	-0.0002
	0.50	VIVA	-9.43E-02	-4.97E-03	1.15E-03		COMB7	-0.2274	-0.2397	-0.0142	-0.0122	-0.0035	0.0032
	0.00	VIENTO	-1.36E-01	-7.18E-03	-1.97E-03		COMB8	0.1267	0.1301	0.0044	0.0072	0.0016	-0.0013
	0.50	VIENTO	-1.36E-01	-7.18E-03	1.66E-03		COMB9	-0.1035	-0.0991	-0.0086	-0.0050	-0.0019	0.0018
	0.00	ESPECTRO	1.07E-02	3.69E-04	9.16E-05		COMB10	-0.0396	-0.0363	-0.0045	-0.0018	-0.0009	0.0009
	0.50	ESPECTRO	1.07E-02	3.69E-04	9.46E-05								
	0.00	DEAD	2.85E-02	-3.49E-03	-5.22E-04								

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO AS-3 (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames

ELE.	Stat.	OutputCase	P	V2	M3
Text	m	Text	Ton	Ton	Ton-m
477	0.50	DEAD	3.21E-02	-2.89E-04	4.30E-04
	0.00	COBERT	1.98E-02	-1.18E-03	-3.03E-04
	0.50	COBERT	1.98E-02	-1.18E-03	2.90E-04
	0.00	CORREAS	-1.79E-02	-3.38E-04	-5.92E-05
	0.50	CORREAS	-1.79E-02	-3.38E-04	1.11E-04
	0.00	VIVA	7.93E-02	-4.70E-03	-1.21E-03
	0.50	VIVA	7.93E-02	-4.70E-03	1.16E-03
	0.00	VIENTO	1.15E-01	-6.79E-03	-1.75E-03
	0.50	VIENTO	1.15E-01	-6.79E-03	1.68E-03
	0.00	ESPECTRO	1.53E-02	3.62E-04	8.45E-05
	0.50	ESPECTRO	1.53E-02	3.62E-04	9.82E-05
478	0.00	DEAD	5.19E-02	-3.29E-03	-4.41E-04
	0.50	DEAD	5.53E-02	5.25E-05	3.75E-04
	0.00	COBERT	6.04E-02	-1.13E-03	-2.74E-04
	0.50	COBERT	6.04E-02	-1.13E-03	2.94E-04
	0.00	CORREAS	-1.79E-03	-3.56E-04	-5.15E-05
	0.50	CORREAS	-1.79E-03	-3.56E-04	1.28E-04
	0.00	VIVA	2.42E-01	-4.51E-03	-1.10E-03
	0.50	VIVA	2.42E-01	-4.51E-03	1.18E-03
	0.00	VIENTO	3.49E-01	-6.51E-03	-1.58E-03
	0.50	VIENTO	3.49E-01	-6.51E-03	1.70E-03
	0.00	ESPECTRO	2.58E-02	3.60E-04	7.94E-05
	0.50	ESPECTRO	2.58E-02	3.60E-04	1.02E-04
479	0.00	DEAD	6.98E-02	-3.10E-03	-3.63E-04
	0.50	DEAD	7.31E-02	3.83E-04	3.21E-04
	0.00	COBERT	9.77E-02	-1.05E-03	-2.39E-04
	0.50	COBERT	9.77E-02	-1.05E-03	2.93E-04
	0.00	CORREAS	7.88E-03	-2.47E-04	-1.77E-05
	0.50	CORREAS	7.88E-03	-2.47E-04	1.07E-04
	0.00	VIVA	3.91E-01	-4.22E-03	-9.58E-04
	0.50	VIVA	3.91E-01	-4.22E-03	1.17E-03
	0.00	VIENTO	5.65E-01	-6.10E-03	-1.38E-03
	0.50	VIENTO	5.65E-01	-6.10E-03	1.69E-03
	0.00	ESPECTRO	3.70E-02	3.49E-04	7.27E-05
	0.50	ESPECTRO	3.70E-02	3.49E-04	1.03E-04
480	0.00	DEAD	8.29E-02	-2.94E-03	-2.94E-04
	0.50	DEAD	8.60E-02	6.76E-04	2.76E-04
	0.00	COBERT	1.32E-01	-1.05E-03	-2.12E-04
	0.50	COBERT	1.32E-01	-1.05E-03	3.16E-04
	0.00	CORREAS	2.13E-02	-3.14E-04	-1.93E-05
	0.50	CORREAS	2.13E-02	-3.14E-04	1.39E-04
	0.00	VIVA	5.27E-01	-4.19E-03	-8.48E-04
	0.50	VIVA	5.27E-01	-4.19E-03	1.26E-03
	0.00	VIENTO	7.62E-01	-6.05E-03	-1.23E-03
	0.50	VIENTO	7.62E-01	-6.05E-03	1.82E-03
	0.00	ESPECTRO	4.79E-02	3.58E-04	6.82E-05
	0.50	ESPECTRO	4.79E-02	3.58E-04	1.13E-04
481	0.00	DEAD	9.20E-02	-2.70E-03	-2.20E-04
	0.50	DEAD	9.50E-02	1.04E-03	1.99E-04
	0.00	COBERT	1.63E-01	-7.03E-04	-1.47E-04
	0.50	COBERT	1.63E-01	-7.03E-04	2.08E-04
	0.00	CORREAS	2.85E-02	-7.44E-05	2.81E-05
	0.50	CORREAS	2.85E-02	-7.44E-05	6.56E-05
	0.00	VIVA	6.53E-01	-2.81E-03	-5.87E-04
	0.50	VIVA	6.53E-01	-2.81E-03	8.32E-04
	0.00	VIENTO	9.43E-01	-4.06E-03	-8.47E-04
	0.50	VIENTO	9.43E-01	-4.06E-03	1.20E-03
	0.00	ESPECTRO	5.83E-02	2.42E-04	4.86E-05
	0.50	ESPECTRO	5.83E-02	2.42E-04	7.38E-05
482	0.00	DEAD	9.75E-02	-2.51E-03	-1.44E-04
	0.50	DEAD	1.00E-01	1.35E-03	1.47E-04
	0.00	COBERT	1.91E-01	-1.27E-03	-2.60E-04
	0.50	COBERT	1.91E-01	-1.27E-03	3.80E-04
	0.00	CORREAS	4.02E-02	-4.46E-04	-4.17E-05
	0.50	CORREAS	4.02E-02	-4.46E-04	1.83E-04
	0.00	VIVA	7.64E-01	-5.08E-03	-1.04E-03
	0.50	VIVA	7.64E-01	-5.08E-03	1.52E-03
	0.00	VIENTO	1.10E+00	-7.34E-03	-1.50E-03
	0.50	VIENTO	1.10E+00	-7.34E-03	2.20E-03
	0.00	ESPECTRO	6.76E-02	4.46E-04	9.12E-05
	0.50	ESPECTRO	6.76E-02	4.46E-04	1.34E-04

ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
477	COMB1	0.0425	0.0475	-0.0070	-0.0025	-0.0012	0.0012
	COMB2	0.1633	0.1676	-0.0135	-0.0097	-0.0030	0.0029
	COMB3	0.2250	0.2293	-0.0172	-0.0133	-0.0039	0.0038
	COMB4	-0.0728	-0.0685	0.0005	0.0043	0.0006	-0.0006
	COMB5	0.1281	0.1324	-0.0114	-0.0076	-0.0025	0.0023
	COMB6	-0.0552	-0.0509	-0.0006	0.0033	0.0003	-0.0003
	COMB7	0.1763	0.1897	-0.0133	-0.0110	-0.0031	0.0032
	COMB8	-0.1216	-0.1184	0.0043	0.0072	0.0015	-0.0014
	COMB9	0.0914	0.0957	-0.0080	-0.0042	-0.0016	0.0017
	COMB10	0.0427	0.0459	-0.0041	-0.0013	-0.0007	0.0008
478							
	COMB1	0.1547	0.1595	-0.0067	-0.0020	-0.0011	0.0011
	COMB2	0.5192	0.5234	-0.0129	-0.0089	-0.0027	0.0028
	COMB3	0.7072	0.7114	-0.0164	-0.0124	-0.0035	0.0038
	COMB4	-0.2004	-0.1962	0.0005	0.0045	0.0006	-0.0007
	COMB5	0.4119	0.4160	-0.0109	-0.0069	-0.0022	0.0023
	COMB6	-0.1466	-0.1425	-0.0005	0.0035	0.0003	-0.0004
	COMB7	0.5532	0.5905	-0.0128	-0.0102	-0.0027	0.0032
	COMB8	-0.3543	-0.3512	0.0042	0.0072	0.0014	-0.0015
	COMB9	0.2792	0.2833	-0.0076	-0.0036	-0.0014	0.0016
	COMB10	0.1252	0.1283	-0.0039	-0.0009	-0.0006	0.0008
479							
	COMB1	0.2456	0.2502	-0.0062	-0.0013	-0.0009	0.0010
	COMB2	0.8360	0.8400	-0.0120	-0.0079	-0.0023	0.0027
	COMB3	1.1402	1.1441	-0.0153	-0.0111	-0.0030	0.0036
	COMB4	-0.3283	-0.3243	0.0005	0.0047	0.0006	-0.0007
	COMB5	0.6623	0.6663	-0.0102	-0.0060	-0.0019	0.0022
	COMB6	-0.2414	-0.2374	-0.0004	0.0038	0.0004	-0.0005
	COMB7	0.8921	0.9487	-0.0119	-0.0090	-0.0024	0.0031
	COMB8	-0.5764	-0.5734	0.0040	0.0071	0.0012	-0.0015
	COMB9	0.4429	0.4469	-0.0070	-0.0029	-0.0012	0.0016
	COMB10	0.1948	0.1978	-0.0036	-0.0005	-0.0005	0.0008
480							
	COMB1	0.3305	0.3349	-0.0060	-0.0010	-0.0007	0.0010
	COMB2	1.1270	1.1308	-0.0119	-0.0075	-0.0020	0.0029
	COMB3	1.5374	1.5411	-0.0151	-0.0108	-0.0026	0.0039
	COMB4	-0.4435	-0.4397	0.0006	0.0049	0.0005	-0.0009
	COMB5	0.8927	0.8965	-0.0100	-0.0057	-0.0016	0.0023
	COMB6	-0.3262	-0.3224	-0.0003	0.0040	0.0004	-0.0006
	COMB7	1.2029	1.2775	-0.0117	-0.0087	-0.0021	0.0032
	COMB8	-0.7780	-0.7751	0.0040	0.0072	0.0011	-0.0017
	COMB9	0.5948	0.5986	-0.0069	-0.0026	-0.0010	0.0016
	COMB10	0.2603	0.2632	-0.0035	-0.0003	-0.0004	0.0008
481							
	COMB1	0.3972	0.4014	-0.0049	0.0004	-0.0005	0.0007
	COMB2	1.3850	1.3886	-0.0087	-0.0042	-0.0013	0.0019
	COMB3	1.8929	1.8966	-0.0109	-0.0064	-0.0018	0.0025
	COMB4	-0.5592	-0.5556	-0.0003	0.0042	0.0004	-0.0006
	COMB5	1.0950	1.0986	-0.0074	-0.0029	-0.0011	0.0015
	COMB6	-0.4140	-0.4104	-0.0009	0.0036	0.0003	-0.0004
	COMB7	1.4814	1.5701	-0.0084	-0.0050	-0.0014	0.0021
	COMB8	-0.9707	-0.9680	0.0022	0.0055	0.0008	-0.0011
	COMB9	0.7251	0.7287	-0.0053	-0.0008	-0.0007	0.0011
	COMB10	0.3136	0.3163	-0.0029	0.0005	-0.0003	0.0005
482							
	COMB1	0.4603	0.4643	-0.0059	-0.0005	-0.0006	0.0010
	COMB2	1.6172	1.6206	-0.0132	-0.0086	-0.0022	0.0033
	COMB3	2.2118	2.2152	-0.0171	-0.0125	-0.0030	0.0045
	COMB4	-0.6585	-0.6551	0.0019	0.0066	0.0009	-0.0012
	COMB5	1.2777	1.2812	-0.0109	-0.0063	-0.0017	0.0026
	COMB6	-0.4886	-0.4852	0.0008	0.0054	0.0007	-0.0009
	COMB7	1.7311	1.8331	-0.0133	-0.0100	-0.0024	0.0037
	COMB8	-1.1392	-1.1366	0.0057	0.0092	0.0016	-0.0022
	COMB9	0.8442	0.8477	-0.0072	-0.0025	-0.0010	0.0017
	COMB10	0.3635	0.3661	-0.0034	0.0001	-0.0003	0.0008

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO AS-3 (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames

ELE.	Stat.	OutputCase	P	V2	M3	ELE.	COMB	Pu_1	Pu_2	$V2_1$	$V2_2$	Mu_1	Mu_2
Text	m	Text	Ton	Ton	Ton-m			(Ton)	(Ton)	(Ton)	(Ton)	(Ton.m)	(Ton.m)
483	0.00	DEAD	1.03E-01	-2.50E-03	-1.27E-04	483							
	0.50	DEAD	1.06E-01	1.47E-03	1.31E-04		COMB1	0.5111	0.5149	-0.0049	0.0006	-0.0003	0.0008
	0.00	COBERT	2.16E-01	-9.76E-04	-1.47E-04		COMB2	1.8227	1.8260	-0.0105	-0.0057	-0.0012	0.0029
	0.50	COBERT	2.16E-01	-9.76E-04	3.45E-04		COMB3	2.4961	2.4993	-0.0135	-0.0088	-0.0016	0.0040
	0.00	CORREAS	4.59E-02	-5.69E-05	6.30E-05		COMB4	-0.7545	-0.7512	0.0011	0.0059	0.0006	-0.0012
	0.50	CORREAS	4.59E-02	-5.69E-05	9.17E-05		COMB5	1.4383	1.4415	-0.0088	-0.0040	-0.0009	0.0023
	0.00	VIVA	8.65E-01	-3.90E-03	-5.87E-04		COMB6	-0.5621	-0.5588	0.0003	0.0050	0.0004	-0.0009
	0.50	VIVA	8.65E-01	-3.90E-03	1.38E-03		COMB7	1.9539	2.0666	-0.0105	-0.0068	-0.0013	0.0033
	0.00	VIENTO	1.25E+00	-5.64E-03	-8.48E-04		COMB8	-1.2967	-1.2943	0.0042	0.0077	0.0009	-0.0021
	0.50	VIENTO	1.25E+00	-5.64E-03	2.00E-03		COMB9	0.9468	0.9500	-0.0058	-0.0011	-0.0005	0.0015
	0.00	ESPECTRO	7.60E-02	3.43E-04	5.25E-05		COMB10	0.4046	0.4070	-0.0028	0.0007	-0.0001	0.0006
	0.50	ESPECTRO	7.60E-02	3.43E-04	1.21E-04								
484	0.00	DEAD	1.09E-01	-2.49E-03	-1.09E-04	484							
	0.50	DEAD	1.11E-01	1.59E-03	1.17E-04		COMB1	0.5654	0.5689	-0.0053	0.0004	-0.0003	0.0009
	0.00	COBERT	2.38E-01	-9.01E-04	-1.19E-04		COMB2	2.0103	2.0133	-0.0103	-0.0054	-0.0010	0.0029
	0.50	COBERT	2.38E-01	-9.01E-04	3.35E-04		COMB3	2.7522	2.7552	-0.0131	-0.0082	-0.0014	0.0040
	0.00	CORREAS	5.68E-02	-3.83E-04	-9.87E-06		COMB4	-0.8294	-0.8264	0.0004	0.0053	0.0004	-0.0011
	0.50	CORREAS	5.68E-02	-3.83E-04	1.84E-04		COMB5	1.5867	1.5897	-0.0087	-0.0038	-0.0008	0.0023
	0.00	VIVA	9.54E-01	-3.61E-03	-4.77E-04		COMB6	-0.6174	-0.6144	-0.0004	0.0045	0.0003	-0.0008
	0.50	VIVA	9.54E-01	-3.61E-03	1.34E-03		COMB7	2.1543	2.2785	-0.0102	-0.0064	-0.0011	0.0033
	0.00	VIENTO	1.38E+00	-5.21E-03	-6.89E-04		COMB8	-1.4273	-1.4250	0.0034	0.0070	0.0007	-0.0019
	0.50	VIENTO	1.38E+00	-5.21E-03	1.94E-03		COMB9	1.0445	1.0475	-0.0060	-0.0011	-0.0005	0.0015
	0.00	ESPECTRO	8.31E-02	3.12E-04	4.25E-05		COMB10	0.4466	0.4488	-0.0031	0.0006	-0.0002	0.0007
	0.50	ESPECTRO	8.31E-02	3.12E-04	1.15E-04								
485	0.00	DEAD	1.15E-01	-2.49E-03	-9.58E-05	485							
	0.50	DEAD	1.18E-01	1.69E-03	1.08E-04		COMB1	0.6068	0.6101	-0.0046	0.0012	-0.0001	0.0007
	0.00	COBERT	2.57E-01	-7.95E-04	-8.15E-05		COMB2	2.1651	2.1679	-0.0091	-0.0040	-0.0006	0.0027
	0.50	COBERT	2.57E-01	-7.95E-04	3.20E-04		COMB3	2.9651	2.9679	-0.0115	-0.0065	-0.0009	0.0037
	0.00	CORREAS	6.11E-02	-1.39E-05	8.41E-05		COMB4	-0.8967	-0.8939	0.0004	0.0054	0.0003	-0.0011
	0.50	CORREAS	6.11E-02	-1.39E-05	9.12E-05		COMB5	1.7083	1.7112	-0.0076	-0.0026	-0.0005	0.0021
	0.00	VIVA	1.03E+00	-3.18E-03	-3.26E-04		COMB6	-0.6681	-0.6653	-0.0003	0.0047	0.0003	-0.0009
	0.50	VIVA	1.03E+00	-3.18E-03	1.28E-03		COMB7	2.3210	2.4538	-0.0089	-0.0049	-0.0007	0.0030
	0.00	VIENTO	1.49E+00	-4.60E-03	-4.71E-04		COMB8	-1.5408	-1.5387	0.0030	0.0068	0.0005	-0.0019
	0.50	VIENTO	1.49E+00	-4.60E-03	1.85E-03		COMB9	1.1229	1.1257	-0.0053	-0.0003	-0.0002	0.0014
	0.00	ESPECTRO	8.87E-02	2.65E-04	2.82E-05		COMB10	0.4788	0.4809	-0.0027	0.0011	-0.0001	0.0006
	0.50	ESPECTRO	8.87E-02	2.65E-04	1.06E-04								
486	0.00	DEAD	1.23E-01	-2.49E-03	-8.31E-05	486							
	0.50	DEAD	1.25E-01	1.78E-03	9.50E-05		COMB1	0.6522	0.6553	-0.0049	0.0011	-0.0002	0.0008
	0.00	COBERT	2.72E-01	-6.70E-04	-4.38E-05		COMB2	2.3005	2.3031	-0.0085	-0.0034	-0.0004	0.0026
	0.50	COBERT	2.72E-01	-6.70E-04	2.94E-04		COMB3	3.1474	3.1500	-0.0106	-0.0054	-0.0006	0.0035
	0.00	CORREAS	7.11E-02	-3.38E-04	9.09E-06		COMB4	-0.9409	-0.9382	-0.0005	0.0046	0.0001	-0.0009
	0.50	CORREAS	7.11E-02	-3.38E-04	1.80E-04		COMB5	1.8170	1.8196	-0.0073	-0.0022	-0.0003	0.0020
	0.00	VIVA	1.09E+00	-2.68E-03	-1.75E-04		COMB6	-0.6989	-0.6962	-0.0011	0.0040	0.0001	-0.0007
	0.50	VIVA	1.09E+00	-2.68E-03	1.18E-03		COMB7	2.4634	2.6058	-0.0082	-0.0041	-0.0004	0.0029
	0.00	VIENTO	1.57E+00	-3.87E-03	-2.53E-04		COMB8	-1.6248	-1.6229	0.0019	0.0057	0.0002	-0.0017
	0.50	VIENTO	1.57E+00	-3.87E-03	1.70E-03		COMB9	1.1959	1.1985	-0.0053	-0.0002	-0.0002	0.0014
	0.00	ESPECTRO	9.26E-02	2.11E-04	1.49E-05		COMB10	0.5119	0.5139	-0.0029	0.0009	-0.0001	0.0006
	0.50	ESPECTRO	9.26E-02	2.11E-04	9.45E-05								
487	0.00	DEAD	1.31E-01	-2.56E-03	-7.93E-05	487							
	0.50	DEAD	1.33E-01	1.80E-03	1.11E-04		COMB1	0.6828	0.6856	-0.0045	0.0016	0.0000	0.0007
	0.00	COBERT	2.83E-01	-6.38E-04	-1.88E-05		COMB2	2.3983	2.4007	-0.0080	-0.0027	-0.0001	0.0026
	0.50	COBERT	2.83E-01	-6.38E-04	3.03E-04		COMB3	3.2799	3.2823	-0.0099	-0.0047	-0.0002	0.0035
	0.00	CORREAS	7.36E-02	-3.57E-05	9.79E-05		COMB4	-0.9763	-0.9738	-0.0004	0.0049	0.0001	-0.0010
	0.50	CORREAS	7.36E-02	-3.57E-05	1.16E-04		COMB5	1.8949	1.8973	-0.0068	-0.0016	-0.0001	0.0020
	0.00	VIVA	1.13E+00	-2.55E-03	-7.51E-05		COMB6	-0.7243	-0.7219	-0.0009	0.0043	0.0001	-0.0008
	0.50	VIVA	1.13E+00	-2.55E-03	1.21E-03		COMB7	2.5670	2.7158	-0.0077	-0.0034	-0.0001	0.0029
	0.00	VIENTO	1.64E+00	-3.69E-03	-1.08E-04		COMB8	-1.6891	-1.6873	0.0019	0.0058	0.0001	-0.0018
	0.50	VIENTO	1.64E+00	-3.69E-03	1.75E-03		COMB9	1.2465	1.2490	-0.0050	0.0003	0.0000	0.0013
	0.00	ESPECTRO	9.47E-02	1.75E-04	1.37E-05		COMB10	0.5337	0.5355	-0.0027	0.0012	0.0000	0.0006
	0.50	ESPECTRO	9.47E-02	1.75E-04	8.86E-05								
488	0.00	DEAD	1.39E-01	-2.41E-03	-3.05E-05	488							
	0.50	DEAD	1.41E-01	2.03E-03	6.54E-05		COMB1	0.7163	0.7189	-0.0041	0.0021	0.0001	0.0006
	0.00	COBERT	2.90E-01	-3.69E-04	3.99E-05		COMB2	2.4721	2.4743	-0.0059	-0.0006	0.0003	0.0020
	0.50	COBERT	2.90E-01	-3.69E-04	2.26E-04		COMB3	3.3757	3.3778	-0.0070	-0.0017	0.0005	0.0027
	0.00	CORREAS	8.20E-02	-1.74E-04	5.76E-05		COMB4	-0.9864	-0.9842	-0.0015	0.0038	-0.0001	-0.0007
	0.50	CORREAS	8.20E-02	-1.74E-04	1.45E-04		COMB5	1.9562	1.9583	-0.0052	0.0001	0.0003	0.0016
	0.00	VIVA	1.16E+00	-1.47E-03	1.60E-04		COMB6	-0.7282	-0.7260	-0.0018	0.0035	-0.0001	-0.0005
	0.50	VIVA	1.16E+00	-1.47E-03	9.03E-04		COMB7	2.6415	2.7972	-0.0054	-0.0010	0.0004	0.0022
	0.00	VIENTO	1.68E+00	-2.13E-03	2.31E-04		COMB8	-1.7205	-1.7189	0.0001	0.0041	-0.0002	-0.0013
	0.50	VIENTO	1.68E+00	-2.13E-03	1.30E-03		COMB9	1.2894	1.2916	-0.0042	0.0011	0.0002	0.0010
	0.00	ESPECTRO	9.48E-02	9.44E-05	2.24E-05		COMB10	0.5553	0.5569	-0.0026	0.0014	0.0001	0.0005

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO AS-3 (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames													
ELE.	Stat.	OutputCase	P	V2	M3	ELE.	COMB	Pu_1	Pu_2	$V2_1$	$V2_2$	Mu_1	Mu_2
Text	m	Text	Ton	Ton	Ton-m			(Ton)	(Ton)	(Ton)	(Ton)	(Ton.m)	(Ton.m)
	0.50	ESPECTRO	9.48E-02	9.44E-05	6.65E-05								
	0.00	DEAD	1.45E-01	-2.32E-03	-1.35E-07								
	0.50	DEAD	1.47E-01	2.19E-03	3.28E-05		COMB1	0.7271	0.7294	-0.0037	0.0026	0.0002	0.0005
	0.00	COBERT	2.92E-01	-3.09E-04	4.62E-05		COMB2	2.4924	2.4944	-0.0052	0.0003	0.0005	0.0017
	0.50	COBERT	2.92E-01	-3.09E-04	2.02E-04		COMB3	3.4014	3.4033	-0.0061	-0.0007	0.0006	0.0023
	0.00	CORREAS	8.19E-02	-1.87E-05	9.44E-05		COMB4	-0.9867	-0.9847	-0.0015	0.0039	-0.0001	-0.0007
489	0.50	CORREAS	8.19E-02	-1.87E-05	1.04E-04	489	COMB5	1.9734	1.9754	-0.0046	0.0008	0.0004	0.0013
	0.00	VIVA	1.17E+00	-1.24E-03	1.85E-04		COMB6	-0.7270	-0.7250	-0.0018	0.0037	0.0000	-0.0005
	0.50	VIVA	1.17E+00	-1.24E-03	8.08E-04		COMB7	2.6614	2.8192	-0.0047	-0.0001	0.0005	0.0019
	0.00	VIENTO	1.69E+00	-1.79E-03	2.67E-04		COMB8	-1.7266	-1.7252	-0.0001	0.0040	-0.0002	-0.0012
	0.50	VIENTO	1.69E+00	-1.79E-03	1.17E-03		COMB9	1.3001	1.3021	-0.0037	0.0017	0.0003	0.0009
	0.00	ESPECTRO	9.28E-02	6.53E-05	3.13E-05		COMB10	0.5602	0.5617	-0.0023	0.0017	0.0002	0.0004
	0.50	ESPECTRO	9.28E-02	6.53E-05	5.60E-05								
	0.00	DEAD	1.49E-01	-2.21E-03	3.28E-05								
	0.50	DEAD	1.50E-01	2.36E-03	-5.66E-06		COMB1	0.7334	0.7354	-0.0035	0.0029	0.0003	0.0004
	0.00	COBERT	2.87E-01	-1.73E-04	7.85E-05		COMB2	2.4685	2.4703	-0.0041	0.0014	0.0007	0.0014
	0.50	COBERT	2.87E-01	-1.73E-04	1.66E-04		COMB3	3.3633	3.3650	-0.0046	0.0008	0.0010	0.0019
	0.00	CORREAS	8.77E-02	-1.16E-04	7.48E-05		COMB4	-0.9561	-0.9543	-0.0020	0.0034	-0.0002	-0.0006
490	0.50	CORREAS	8.77E-02	-1.16E-04	1.33E-04	490	COMB5	1.9577	1.9594	-0.0038	0.0017	0.0006	0.0011
	0.00	VIVA	1.15E+00	-6.92E-04	3.14E-04		COMB6	-0.7004	-0.6987	-0.0022	0.0033	-0.0001	-0.0004
	0.50	VIVA	1.15E+00	-6.92E-04	6.63E-04		COMB7	2.6311	2.7900	-0.0036	0.0012	0.0008	0.0016
	0.00	VIENTO	1.66E+00	-1.00E-03	4.54E-04		COMB8	-1.6882	-1.6869	-0.0010	0.0032	-0.0004	-0.0010
	0.50	VIENTO	1.66E+00	-1.00E-03	9.58E-04		COMB9	1.2923	1.2940	-0.0033	0.0022	0.0004	0.0007
	0.00	ESPECTRO	8.87E-02	3.74E-05	4.30E-05		COMB10	0.5601	0.5614	-0.0022	0.0019	0.0002	0.0003
	0.50	ESPECTRO	8.87E-02	3.74E-05	4.24E-05								
	0.00	DEAD	1.49E-01	-2.09E-03	6.43E-05								
	0.50	DEAD	1.50E-01	2.54E-03	-5.10E-05		COMB1	0.7117	0.7135	-0.0028	0.0036	0.0004	0.0002
	0.00	COBERT	2.76E-01	-1.37E-05	1.15E-04		COMB2	2.3749	2.3764	-0.0025	0.0030	0.0011	0.0010
	0.50	COBERT	2.76E-01	-1.37E-05	1.22E-04		COMB3	3.2332	3.2347	-0.0026	0.0030	0.0014	0.0013
	0.00	CORREAS	8.40E-02	6.95E-05	1.16E-04		COMB4	-0.9101	-0.9085	-0.0024	0.0032	-0.0003	-0.0005
491	0.50	CORREAS	8.40E-02	6.95E-05	8.06E-05	491	COMB5	1.8849	1.8864	-0.0025	0.0031	0.0009	0.0007
	0.00	VIVA	1.10E+00	-5.48E-05	4.59E-04		COMB6	-0.6648	-0.6633	-0.0024	0.0032	-0.0002	-0.0004
	0.50	VIVA	1.10E+00	-5.48E-05	4.87E-04		COMB7	2.5291	2.6832	-0.0019	0.0030	0.0011	0.0011
	0.00	VIENTO	1.59E+00	-7.92E-05	6.63E-04		COMB8	-1.6141	-1.6130	-0.0017	0.0024	-0.0006	-0.0008
	0.50	VIENTO	1.59E+00	-7.92E-05	7.03E-04		COMB9	1.2440	1.2455	-0.0024	0.0032	0.0006	0.0005
	0.00	ESPECTRO	8.24E-02	5.98E-05	5.34E-05		COMB10	0.5399	0.5411	-0.0018	0.0024	0.0003	0.0002
	0.50	ESPECTRO	8.24E-02	5.98E-05	2.79E-05								
	0.00	DEAD	1.44E-01	-1.94E-03	9.56E-05								
	0.50	DEAD	1.45E-01	2.74E-03	-1.07E-04		COMB1	0.6817	0.6832	-0.0025	0.0041	0.0005	0.0001
	0.00	COBERT	2.57E-01	1.88E-04	1.50E-04		COMB2	2.2293	2.2306	-0.0009	0.0047	0.0014	0.0004
	0.50	COBERT	2.57E-01	1.88E-04	5.55E-05		COMB3	3.0293	3.0305	-0.0003	0.0053	0.0018	0.0006
	0.00	CORREAS	8.57E-02	-1.40E-05	9.45E-05		COMB4	-0.8326	-0.8313	-0.0032	0.0025	-0.0004	-0.0002
492	0.50	CORREAS	8.57E-02	-1.40E-05	1.02E-04	492	COMB5	1.7725	1.7738	-0.0012	0.0044	0.0011	0.0003
	0.00	VIVA	1.03E+00	7.53E-04	6.02E-04		COMB6	-0.6040	-0.6027	-0.0030	0.0026	-0.0003	-0.0002
	0.50	VIVA	1.03E+00	7.53E-04	2.22E-04		COMB7	2.3691	2.5165	-0.0002	0.0049	0.0014	0.0005
	0.00	VIENTO	1.49E+00	1.09E-03	8.70E-04		COMB8	-1.4927	-1.4917	-0.0030	0.0012	-0.0008	-0.0004
	0.50	VIENTO	1.49E+00	1.09E-03	3.21E-04		COMB9	1.1724	1.1737	-0.0016	0.0040	0.0008	0.0002
	0.00	ESPECTRO	7.41E-02	1.08E-04	6.36E-05		COMB10	0.5123	0.5133	-0.0015	0.0027	0.0004	0.0001
	0.50	ESPECTRO	7.41E-02	1.08E-04	1.10E-05								
	0.00	DEAD	1.34E-01	-1.80E-03	1.22E-04								
	0.50	DEAD	1.35E-01	2.92E-03	-1.62E-04		COMB1	0.6182	0.6194	-0.0019	0.0047	0.0006	-0.0001
	0.00	COBERT	2.31E-01	2.70E-04	1.54E-04		COMB2	2.0104	2.0115	0.0001	0.0058	0.0015	0.0000
	0.50	COBERT	2.31E-01	2.70E-04	1.75E-05		COMB3	2.7304	2.7315	0.0009	0.0066	0.0020	0.0001
	0.00	CORREAS	7.62E-02	1.65E-04	1.33E-04		COMB4	-0.7454	-0.7443	-0.0031	0.0025	-0.0004	-0.0002
493	0.50	CORREAS	7.62E-02	1.65E-04	5.02E-05	493	COMB5	1.5993	1.6004	-0.0004	0.0053	0.0012	0.0000
	0.00	VIVA	9.25E-01	1.08E-03	6.15E-04		COMB6	-0.5396	-0.5386	-0.0029	0.0028	-0.0002	-0.0002
	0.50	VIVA	9.25E-01	1.08E-03	7.00E-05		COMB7	2.1353	2.2688	0.0008	0.0061	0.0015	0.0000
	0.00	VIENTO	1.34E+00	1.56E-03	8.89E-04		COMB8	-1.3405	-1.3397	-0.0033	0.0010	-0.0008	-0.0002
	0.50	VIENTO	1.34E+00	1.56E-03	1.01E-04		COMB9	1.0562	1.0573	-0.0010	0.0047	0.0009	-0.0001
	0.00	ESPECTRO	6.37E-02	1.26E-04	6.82E-05		COMB10	0.4611	0.4619	-0.0011	0.0031	0.0004	-0.0001
	0.50	ESPECTRO	6.37E-02	1.26E-04	6.00E-06								
	0.00	DEAD	1.16E-01	-1.41E-03	2.01E-04								
	0.50	DEAD	1.17E-01	3.34E-03	-2.84E-04		COMB1	0.5362	0.5371	-0.0004	0.0063	0.0009	-0.0006
	0.00	COBERT	1.96E-01	8.73E-04	2.82E-04		COMB2	1.7147	1.7156	0.0053	0.0110	0.0026	-0.0015
	0.50	COBERT	1.96E-01	8.73E-04	-1.58E-04		COMB3	2.3251	2.3259	0.0080	0.0137	0.0035	-0.0020
	0.00	CORREAS	7.09E-02	2.89E-04	1.61E-04		COMB4	-0.6215	-0.6206	-0.0051	0.0006	-0.0008	0.0004
494	0.50	CORREAS	7.09E-02	2.89E-04	1.53E-05	494	COMB5	1.3662	1.3670	0.0037	0.0094	0.0021	-0.0012
	0.00	VIVA	7.84E-01	3.49E-03	1.13E-03		COMB6	-0.4470	-0.4462	-0.0043	0.0014	-0.0005	0.0002
	0.50	VIVA	7.84E-01	3.49E-03	-6.32E-04		COMB7	1.8180	1.9337	0.0063	0.0120	0.0027	-0.0017
	0.00	VIENTO	1.13E+00	5.05E-03	1.63E-03		COMB8	-1.1286	-1.1280	-0.0068	-0.0025	-0.0015	0.0008
	0.50	VIENTO	1.13E+00	5.05E-03	-9.14E-04		COMB9	0.9033	0.9041	0.0017	0.0074	0.0014	-0.0008

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO AS-3 (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames

ELE.	Stat.	OutputCase	P	V2	M3
Text	m	Text	Ton	Ton	Ton-m
	0.00	ESPECTRO	5.15E-02	2.88E-04	1.07E-04
	0.50	ESPECTRO	5.15E-02	2.88E-04	3.81E-05
495	0.00	DEAD	9.00E-02	-1.55E-03	1.69E-04
	0.50	DEAD	9.05E-02	3.23E-03	-2.56E-04
	0.00	COBERT	1.46E-01	1.00E-03	2.96E-04
	0.50	COBERT	1.46E-01	1.00E-03	-2.09E-04
	0.00	CORREAS	5.21E-02	2.76E-04	1.48E-04
	0.50	CORREAS	5.21E-02	2.76E-04	9.27E-06
	0.00	VIVA	5.84E-01	4.00E-03	1.18E-03
	0.50	VIVA	5.84E-01	4.00E-03	-8.36E-04
	0.00	VIENTO	8.44E-01	5.78E-03	1.71E-03
	0.50	VIENTO	8.44E-01	5.78E-03	-1.21E-03
	0.00	ESPECTRO	3.77E-02	2.76E-04	9.06E-05
	0.50	ESPECTRO	3.77E-02	2.76E-04	4.95E-05
496	0.00	DEAD	5.55E-02	2.63E-04	4.06E-04
	0.50	DEAD	5.58E-02	5.06E-03	-9.36E-04
	0.00	COBERT	8.02E-02	1.77E-03	4.45E-04
	0.50	COBERT	8.02E-02	1.77E-03	-4.49E-04
	0.00	CORREAS	3.61E-02	8.80E-04	2.33E-04
	0.50	CORREAS	3.61E-02	8.80E-04	-2.11E-04
	0.00	VIVA	3.21E-01	7.09E-03	1.78E-03
	0.50	VIVA	3.21E-01	7.09E-03	-1.80E-03
	0.00	VIENTO	4.64E-01	1.02E-02	2.57E-03
	0.50	VIENTO	4.64E-01	1.02E-02	-2.59E-03
	0.00	ESPECTRO	2.29E-02	1.49E-04	6.91E-05
	0.50	ESPECTRO	2.29E-02	1.49E-04	2.47E-05
497	0.00	DEAD	7.06E-03	-2.54E-03	-3.29E-04
	0.50	DEAD	7.16E-03	2.26E-03	-2.60E-04
	0.00	COBERT	3.68E-03	1.08E-03	1.61E-04
	0.50	COBERT	3.68E-03	1.08E-03	-3.84E-04
	0.00	CORREAS	3.22E-03	5.33E-04	6.43E-05
	0.50	CORREAS	3.22E-03	5.33E-04	-2.05E-04
	0.00	VIVA	1.47E-02	4.32E-03	6.42E-04
	0.50	VIVA	1.47E-02	4.32E-03	-1.54E-03
	0.00	VIENTO	2.13E-02	6.24E-03	9.28E-04
	0.50	VIENTO	2.13E-02	6.24E-03	-2.22E-03
	0.00	ESPECTRO	9.12E-03	3.35E-03	4.73E-04
	0.50	ESPECTRO	9.12E-03	3.35E-03	1.22E-03
1465	0.00	DEAD	-1.26E+00	6.23E-05	-6.97E-05
	0.50	DEAD	-1.25E+00	2.79E-03	-7.90E-04
	0.00	COBERT	-6.13E-01	6.10E-04	-3.50E-05
	0.50	COBERT	-6.13E-01	6.10E-04	-3.43E-04
	0.00	CORREAS	-5.79E-01	1.73E-03	3.46E-04
	0.50	CORREAS	-5.79E-01	1.73E-03	-5.28E-04
	0.00	VIVA	-2.45E+00	2.44E-03	-1.40E-04
	0.50	VIVA	-2.45E+00	2.44E-03	-1.37E-03
	0.00	VIENTO	-3.54E+00	3.53E-03	-2.02E-04
	0.50	VIENTO	-3.54E+00	3.53E-03	-1.98E-03
	0.00	ESPECTRO	6.63E-02	4.99E-04	1.30E-04
	0.50	ESPECTRO	6.63E-02	4.99E-04	1.24E-04
1466	0.00	DEAD	-1.30E+00	-6.04E-04	-3.04E-04
	0.50	DEAD	-1.30E+00	2.29E-03	-7.29E-04
	0.00	COBERT	-6.01E-01	6.97E-05	-2.16E-04
	0.50	COBERT	-6.01E-01	6.97E-05	-2.51E-04
	0.00	CORREAS	-5.99E-01	9.27E-04	4.11E-05
	0.50	CORREAS	-5.99E-01	9.27E-04	-4.26E-04
	0.00	VIVA	-2.40E+00	2.79E-04	-8.64E-04
	0.50	VIVA	-2.40E+00	2.79E-04	-1.01E-03
	0.00	VIENTO	-3.47E+00	4.03E-04	-1.25E-03
	0.50	VIENTO	-3.47E+00	4.03E-04	-1.45E-03
	0.00	ESPECTRO	7.03E-02	3.63E-04	7.65E-05
	0.50	ESPECTRO	7.03E-02	3.63E-04	1.12E-04
1467	0.00	DEAD	-1.33E+00	-8.18E-04	-3.57E-04
	0.50	DEAD	-1.33E+00	2.23E-03	-7.12E-04
	0.00	COBERT	-5.82E-01	-5.45E-05	-2.38E-04
	0.50	COBERT	-5.82E-01	-5.45E-05	-2.10E-04
	0.00	CORREAS	-6.08E-01	8.13E-04	1.93E-05
	0.50	CORREAS	-6.08E-01	8.13E-04	-3.91E-04
	0.00	VIVA	-2.33E+00	-2.18E-04	-9.51E-04
	0.50	VIVA	-2.33E+00	-2.18E-04	-8.41E-04
	0.00	VIENTO	-3.36E+00	-3.15E-04	-1.37E-03

ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
	COMB10	0.3961	0.3968	0.0001	0.0043	0.0007	-0.0003
	COMB1	0.4033	0.4040	-0.0004	0.0063	0.0009	-0.0006
	COMB2	1.2800	1.2805	0.0061	0.0118	0.0026	-0.0019
	COMB3	1.7343	1.7349	0.0092	0.0149	0.0035	-0.0025
	COMB4	-0.4590	-0.4584	-0.0058	-0.0001	-0.0009	0.0006
495	COMB5	1.0205	1.0211	0.0043	0.0100	0.0021	-0.0015
	COMB6	-0.3292	-0.3286	-0.0049	0.0008	-0.0006	0.0004
	COMB7	1.3559	1.4429	0.0073	0.0129	0.0028	-0.0021
	COMB8	-0.8374	-0.8370	-0.0078	-0.0035	-0.0017	0.0012
	COMB9	0.6753	0.6759	0.0020	0.0077	0.0014	-0.0009
	COMB10	0.2970	0.2974	0.0000	0.0043	0.0006	-0.0004
	COMB1	0.2406	0.2410	0.0041	0.0108	0.0015	-0.0022
	COMB2	0.7196	0.7200	0.0148	0.0206	0.0041	-0.0048
	COMB3	0.9693	0.9697	0.0203	0.0261	0.0055	-0.0062
	COMB4	-0.2360	-0.2357	-0.0063	-0.0005	-0.0012	0.0006
496	COMB5	0.5771	0.5774	0.0117	0.0174	0.0034	-0.0040
	COMB6	-0.1647	-0.1643	-0.0047	0.0011	-0.0008	0.0002
	COMB7	0.7573	0.8092	0.0159	0.0226	0.0043	-0.0053
	COMB8	-0.4480	-0.4477	-0.0107	-0.0064	-0.0024	0.0019
	COMB9	0.3896	0.3899	0.0072	0.0129	0.0023	-0.0028
	COMB10	0.1776	0.1779	0.0028	0.0071	0.0010	-0.0014
	COMB1	0.0196	0.0197	-0.0013	0.0054	-0.0001	-0.0012
	COMB2	0.0403	0.0405	0.0058	0.0116	0.0009	-0.0035
	COMB3	0.0518	0.0519	0.0092	0.0149	0.0014	-0.0047
	COMB4	-0.0035	-0.0034	-0.0071	-0.0013	-0.0010	0.0011
497	COMB5	0.0338	0.0339	0.0039	0.0096	0.0006	-0.0028
	COMB6	-0.0003	-0.0002	-0.0061	-0.0003	-0.0009	0.0008
	COMB7	0.0402	0.0446	0.0073	0.0128	0.0011	-0.0039
	COMB8	-0.0151	-0.0150	-0.0089	-0.0046	-0.0013	0.0021
	COMB9	0.0332	0.0334	0.0044	0.0102	0.0007	-0.0006
	COMB10	0.0217	0.0218	0.0025	0.0068	0.0004	0.0005
	COMB1	-3.4301	-3.4246	0.0034	0.0072	0.0003	-0.0023
	COMB2	-6.8623	-6.8575	0.0068	0.0101	0.0001	-0.0042
	COMB3	-8.7696	-8.7648	0.0087	0.0120	0.0000	-0.0053
	COMB4	0.4380	0.4427	-0.0005	0.0028	0.0005	-0.0001
1465	COMB5	-5.7732	-5.7685	0.0057	0.0090	0.0001	-0.0036
	COMB6	-0.1070	-0.1023	0.0001	0.0033	0.0005	-0.0004
	COMB7	-6.8089	-7.5392	0.0067	0.0107	0.0000	-0.0046
	COMB8	2.3987	2.4022	-0.0024	0.0000	0.0005	0.0011
	COMB9	-4.0995	-4.0947	0.0046	0.0079	0.0003	-0.0026
	COMB10	-2.1388	-2.1352	0.0027	0.0051	0.0003	-0.0014
	COMB1	-3.5023	-3.4969	0.0005	0.0046	-0.0007	-0.0020
	COMB2	-6.8467	-6.8421	0.0009	0.0044	-0.0020	-0.0033
	COMB3	-8.7164	-8.7118	0.0011	0.0046	-0.0026	-0.0041
	COMB4	0.3095	0.3141	0.0001	0.0036	0.0006	-0.0003
1466	COMB5	-5.7792	-5.7746	0.0008	0.0043	-0.0016	-0.0028
	COMB6	-0.2248	-0.2202	0.0001	0.0036	0.0004	-0.0005
	COMB7	-6.7644	-7.5103	0.0009	0.0045	-0.0021	-0.0036
	COMB8	2.2615	2.2649	-0.0002	0.0024	0.0012	0.0006
	COMB9	-4.1331	-4.1285	0.0010	0.0044	-0.0009	-0.0021
	COMB10	-2.1812	-2.1777	0.0007	0.0033	-0.0004	-0.0012
	COMB1	-3.5309	-3.5257	-0.0001	0.0042	-0.0008	-0.0018
	COMB2	-6.7504	-6.7459	-0.0004	0.0032	-0.0022	-0.0029
	COMB3	-8.5613	-8.5568	-0.0006	0.0031	-0.0030	-0.0036
	COMB4	0.1809	0.1854	0.0002	0.0039	0.0006	-0.0004
1467	COMB5	-5.7164	-5.7119	-0.0003	0.0033	-0.0018	-0.0025
	COMB6	-0.3366	-0.3321	0.0002	0.0038	0.0004	-0.0006
	COMB7	-6.6410	-7.3931	-0.0005	0.0032	-0.0023	-0.0032
	COMB8	2.1012	2.1046	0.0004	0.0031	0.0013	0.0004

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO AS-3 (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames

ELE.	Stat.	OutputCase	P	V2	M3
Text	m	Text	Ton	Ton	Ton-m
	0.50	VIENTO	-3.36E+00	-3.15E-04	-1.22E-03
	0.00	ESPECTRO	7.53E-02	3.90E-04	8.21E-05
	0.50	ESPECTRO	7.53E-02	3.90E-04	1.20E-04
1468	0.00	DEAD	-1.35E+00	-1.12E-03	-4.41E-04
	0.50	DEAD	-1.35E+00	2.07E-03	-6.80E-04
	0.00	COBERT	-5.57E-01	-2.21E-04	-2.78E-04
	0.50	COBERT	-5.57E-01	-2.21E-04	-1.67E-04
	0.00	CORREAS	-6.15E-01	6.81E-04	-2.50E-05
	0.50	CORREAS	-6.15E-01	6.81E-04	-3.69E-04
	0.00	VIVA	-2.23E+00	-8.83E-04	-1.11E-03
	0.50	VIVA	-2.23E+00	-8.83E-04	-6.67E-04
	0.00	VIENTO	-3.22E+00	-1.28E-03	-1.61E-03
	0.50	VIENTO	-3.22E+00	-1.28E-03	-9.63E-04
	0.00	ESPECTRO	8.11E-02	3.85E-04	7.69E-05
	0.50	ESPECTRO	8.11E-02	3.85E-04	1.25E-04
1469	0.00	DEAD	-1.35E+00	-1.40E-03	-5.09E-04
	0.50	DEAD	-1.35E+00	1.94E-03	-6.46E-04
	0.00	COBERT	-5.27E-01	-3.71E-04	-3.12E-04
	0.50	COBERT	-5.27E-01	-3.71E-04	-1.25E-04
	0.00	CORREAS	-6.11E-01	4.58E-04	-8.20E-05
	0.50	CORREAS	-6.11E-01	4.58E-04	-3.13E-04
	0.00	VIVA	-2.11E+00	-1.48E-03	-1.25E-03
	0.50	VIVA	-2.11E+00	-1.48E-03	-4.99E-04
	0.00	VIENTO	-3.04E+00	-2.14E-03	-1.80E-03
	0.50	VIENTO	-3.04E+00	-2.14E-03	-7.21E-04
	0.00	ESPECTRO	8.76E-02	3.85E-04	7.38E-05
	0.50	ESPECTRO	8.76E-02	3.85E-04	1.30E-04
1470	0.00	DEAD	-1.35E+00	-1.66E-03	-5.71E-04
	0.50	DEAD	-1.34E+00	1.82E-03	-6.13E-04
	0.00	COBERT	-4.92E-01	-4.86E-04	-3.35E-04
	0.50	COBERT	-4.92E-01	-4.86E-04	-9.01E-05
	0.00	CORREAS	-6.05E-01	3.72E-04	-1.09E-04
	0.50	CORREAS	-6.05E-01	3.72E-04	-2.97E-04
	0.00	VIVA	-1.97E+00	-1.94E-03	-1.34E-03
	0.50	VIVA	-1.97E+00	-1.94E-03	-3.60E-04
	0.00	VIENTO	-2.85E+00	-2.81E-03	-1.94E-03
	0.50	VIENTO	-2.85E+00	-2.81E-03	-5.20E-04
	0.00	ESPECTRO	9.46E-02	3.79E-04	6.98E-05
	0.50	ESPECTRO	9.46E-02	3.79E-04	1.33E-04
1471	0.00	DEAD	-1.33E+00	-1.97E-03	-6.35E-04
	0.50	DEAD	-1.32E+00	1.64E-03	-5.51E-04
	0.00	COBERT	-4.54E-01	-6.77E-04	-3.63E-04
	0.50	COBERT	-4.54E-01	-6.77E-04	-2.14E-05
	0.00	CORREAS	-5.88E-01	9.80E-05	-1.68E-04
	0.50	CORREAS	-5.88E-01	9.80E-05	-2.17E-04
	0.00	VIVA	-1.82E+00	-2.71E-03	-1.45E-03
	0.50	VIVA	-1.82E+00	-2.71E-03	-8.55E-05
	0.00	VIENTO	-2.63E+00	-3.91E-03	-2.10E-03
	0.50	VIENTO	-2.63E+00	-3.91E-03	-1.23E-04
	0.00	ESPECTRO	1.02E-01	3.97E-04	6.87E-05
	0.50	ESPECTRO	1.02E-01	3.97E-04	1.44E-04
1472	0.00	DEAD	-1.29E+00	-1.94E-03	-6.52E-04
	0.50	DEAD	-1.29E+00	1.80E-03	-6.17E-04
	0.00	COBERT	-4.13E-01	-4.08E-04	-3.34E-04
	0.50	COBERT	-4.13E-01	-4.08E-04	-1.28E-04
	0.00	CORREAS	-5.71E-01	2.52E-04	-1.60E-04
	0.50	CORREAS	-5.71E-01	2.52E-04	-2.87E-04
	0.00	VIVA	-1.65E+00	-1.63E-03	-1.33E-03
	0.50	VIVA	-1.65E+00	-1.63E-03	-5.13E-04
	0.00	VIENTO	-2.38E+00	-2.36E-03	-1.93E-03
	0.50	VIENTO	-2.38E+00	-2.36E-03	-7.41E-04
	0.00	ESPECTRO	1.09E-01	2.74E-04	5.30E-05
	0.50	ESPECTRO	1.09E-01	2.74E-04	1.06E-04
1473	0.00	DEAD	-1.25E+00	-2.99E-03	-9.11E-04
	0.50	DEAD	-1.25E+00	8.67E-04	-3.74E-04
	0.00	COBERT	-3.69E-01	-1.51E-03	-5.91E-04
	0.50	COBERT	-3.69E-01	-1.51E-03	1.72E-04
	0.00	CORREAS	-5.44E-01	-6.64E-04	-3.76E-04
	0.50	CORREAS	-5.44E-01	-6.64E-04	-4.05E-05
	0.00	VIVA	-1.48E+00	-6.05E-03	-2.36E-03
	0.50	VIVA	-1.48E+00	-6.05E-03	6.88E-04

ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
	COMB9	-4.1149	-4.1104	0.0002	0.0039	-0.0011	-0.0019
	COMB10	-2.1945	-2.1912	0.0003	0.0031	-0.0004	-0.0011
1468	COMB1	-3.5296	-3.5246	-0.0009	0.0035	-0.0010	-0.0017
	COMB2	-6.5890	-6.5847	-0.0022	0.0016	-0.0027	-0.0025
	COMB3	-8.3219	-8.3176	-0.0029	0.0009	-0.0035	-0.0030
	COMB4	0.0439	0.0482	0.0004	0.0043	0.0006	-0.0005
	COMB5	-5.5995	-5.5952	-0.0018	0.0020	-0.0022	-0.0022
	COMB6	-0.4512	-0.4469	0.0002	0.0041	0.0004	-0.0007
	COMB7	-6.4520	-7.2040	-0.0023	0.0014	-0.0028	-0.0027
	COMB8	1.9139	1.9171	0.0011	0.0039	0.0014	0.0002
	COMB9	-4.0579	-4.0536	-0.0009	0.0030	-0.0014	-0.0017
	COMB10	-2.1879	-2.1847	-0.0002	0.0027	-0.0006	-0.0010
1469	COMB1	-3.4880	-3.4832	-0.0018	0.0028	-0.0013	-0.0015
	COMB2	-6.3607	-6.3565	-0.0039	0.0001	-0.0031	-0.0021
	COMB3	-7.9999	-7.9958	-0.0051	-0.0011	-0.0040	-0.0025
	COMB4	-0.0864	-0.0822	0.0005	0.0045	0.0006	-0.0006
	COMB5	-5.4247	-5.4205	-0.0033	0.0007	-0.0025	-0.0019
	COMB6	-0.5548	-0.5507	0.0001	0.0041	0.0004	-0.0007
	COMB7	-6.1991	-6.9424	-0.0040	-0.0003	-0.0032	-0.0022
	COMB8	1.7145	1.7176	0.0016	0.0046	0.0015	0.0000
	COMB9	-3.9556	-3.9514	-0.0019	0.0021	-0.0016	-0.0014
	COMB10	-2.1547	-2.1516	-0.0008	0.0022	-0.0007	-0.0008
1470	COMB1	-3.4213	-3.4167	-0.0025	0.0024	-0.0014	-0.0014
	COMB2	-6.0838	-6.0798	-0.0052	-0.0011	-0.0034	-0.0018
	COMB3	-7.6162	-7.6123	-0.0067	-0.0026	-0.0044	-0.0021
	COMB4	-0.2184	-0.2144	0.0006	0.0047	0.0006	-0.0007
	COMB5	-5.2088	-5.2048	-0.0044	-0.0002	-0.0028	-0.0016
	COMB6	-0.6563	-0.6523	0.0001	0.0043	0.0003	-0.0008
	COMB7	-5.8983	-6.6275	-0.0052	-0.0016	-0.0034	-0.0019
	COMB8	1.4995	1.5025	0.0021	0.0052	0.0016	-0.0002
	COMB9	-3.8228	-3.8188	-0.0027	0.0015	-0.0018	-0.0012
	COMB10	-2.1049	-2.1019	-0.0012	0.0019	-0.0008	-0.0008
1471	COMB1	-3.3171	-3.3127	-0.0036	0.0015	-0.0016	-0.0011
	COMB2	-5.7509	-5.7471	-0.0074	-0.0031	-0.0037	-0.0011
	COMB3	-7.1649	-7.1611	-0.0095	-0.0052	-0.0048	-0.0012
	COMB4	-0.3388	-0.3350	0.0007	0.0050	0.0006	-0.0008
	COMB5	-4.9436	-4.9398	-0.0062	-0.0019	-0.0031	-0.0010
	COMB6	-0.7429	-0.7391	0.0001	0.0044	0.0003	-0.0008
	COMB7	-5.5455	-6.2525	-0.0074	-0.0038	-0.0038	-0.0011
	COMB8	1.2806	1.2835	0.0028	0.0060	0.0017	-0.0005
	COMB9	-3.6500	-3.6462	-0.0040	0.0003	-0.0021	-0.0008
	COMB10	-2.0306	-2.0277	-0.0019	0.0014	-0.0010	-0.0006
1472	COMB1	-3.1902	-3.1860	-0.0029	0.0023	-0.0016	-0.0014
	COMB2	-5.3745	-5.3709	-0.0051	-0.0006	-0.0035	-0.0021
	COMB3	-6.6584	-6.6547	-0.0064	-0.0019	-0.0045	-0.0025
	COMB4	-0.4606	-0.4570	-0.0003	0.0042	0.0005	-0.0005
	COMB5	-4.6415	-4.6379	-0.0044	0.0001	-0.0029	-0.0018
	COMB6	-0.8275	-0.8239	-0.0006	0.0039	0.0002	-0.0006
	COMB7	-5.1497	-5.8297	-0.0049	-0.0011	-0.0035	-0.0022
	COMB8	1.0480	1.0507	0.0012	0.0045	0.0015	0.0000
	COMB9	-3.4501	-3.4465	-0.0031	0.0014	-0.0020	-0.0014
	COMB10	-1.9415	-1.9388	-0.0016	0.0018	-0.0010	-0.0008
1473	COMB1	-3.0324	-3.0284	-0.0072	-0.0018	-0.0026	-0.0003
	COMB2	-4.9595	-4.9561	-0.0159	-0.0112	-0.0060	0.0008
	COMB3	-6.1074	-6.1039	-0.0206	-0.0160	-0.0079	0.0013
	COMB4	-0.5663	-0.5628	0.0021	0.0068	0.0010	-0.0012
	COMB5	-4.3042	-4.3007	-0.0132	-0.0086	-0.0050	0.0005
	COMB6	-0.8942	-0.8908	0.0008	0.0054	0.0005	-0.0011
	COMB7	-4.7200	-5.3663	-0.0160	-0.0129	-0.0061	0.0010

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO AS-3 (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames

ELE.	Stat.	OutputCase	P	V2	M3
Text	m	Text	Ton	Ton	Ton-m
	0.00	VIENTO	-2.13E+00	-8.74E-03	-3.41E-03
	0.50	VIENTO	-2.13E+00	-8.74E-03	9.94E-04
	0.00	ESPECTRO	1.17E-01	5.02E-04	1.01E-04
	0.50	ESPECTRO	1.17E-01	5.02E-04	1.68E-04
	0.00	DEAD	-1.20E+00	-3.26E-03	-9.36E-04
	0.50	DEAD	-1.20E+00	7.13E-04	-2.93E-04
	0.00	COBERT	-3.22E-01	-1.32E-03	-4.90E-04
	0.50	COBERT	-3.22E-01	-1.32E-03	1.75E-04
	0.00	CORREAS	-5.17E-01	-3.94E-04	-2.89E-04
1474	0.50	CORREAS	-5.17E-01	-3.94E-04	-8.98E-05
	0.00	VIVA	-1.29E+00	-5.28E-03	-1.96E-03
	0.50	VIVA	-1.29E+00	-5.28E-03	7.02E-04
	0.00	VIENTO	-1.86E+00	-7.63E-03	-2.83E-03
	0.50	VIENTO	-1.86E+00	-7.63E-03	1.01E-03
	0.00	ESPECTRO	1.24E-01	4.06E-04	6.75E-05
	0.50	ESPECTRO	1.24E-01	4.06E-04	1.58E-04
	0.00	DEAD	-1.13E+00	-3.67E-03	-1.01E-03
	0.50	DEAD	-1.13E+00	4.14E-04	-1.94E-04
	0.00	COBERT	-2.75E-01	-1.41E-03	-5.01E-04
	0.50	COBERT	-2.75E-01	-1.41E-03	2.11E-04
	0.00	CORREAS	-4.79E-01	-9.02E-04	-4.03E-04
1475	0.50	CORREAS	-4.79E-01	-9.02E-04	5.15E-05
	0.00	VIVA	-1.10E+00	-5.64E-03	-2.00E-03
	0.50	VIVA	-1.10E+00	-5.64E-03	8.43E-04
	0.00	VIENTO	-1.59E+00	-8.15E-03	-2.89E-03
	0.50	VIENTO	-1.59E+00	-8.15E-03	1.22E-03
	0.00	ESPECTRO	1.31E-01	3.84E-04	6.21E-05
	0.50	ESPECTRO	1.31E-01	3.84E-04	1.56E-04
	0.00	DEAD	-1.05E+00	-4.05E-03	-1.08E-03
	0.50	DEAD	-1.05E+00	1.31E-04	-8.74E-05
	0.00	COBERT	-2.26E-01	-1.46E-03	-4.93E-04
	0.50	COBERT	-2.26E-01	-1.46E-03	2.42E-04
	0.00	CORREAS	-4.44E-01	-6.96E-04	-3.42E-04
1476	0.50	CORREAS	-4.44E-01	-6.96E-04	9.53E-06
	0.00	VIVA	-9.04E-01	-5.83E-03	-1.97E-03
	0.50	VIVA	-9.04E-01	-5.83E-03	9.69E-04
	0.00	VIENTO	-1.31E+00	-8.43E-03	-2.85E-03
	0.50	VIENTO	-1.31E+00	-8.43E-03	1.40E-03
	0.00	ESPECTRO	1.37E-01	3.45E-04	5.36E-05
	0.50	ESPECTRO	1.37E-01	3.45E-04	1.50E-04
	0.00	DEAD	-9.68E-01	-4.24E-03	-1.10E-03
	0.50	DEAD	-9.65E-01	3.82E-05	-4.54E-05
	0.00	COBERT	-1.78E-01	-1.40E-03	-4.70E-04
	0.50	COBERT	-1.78E-01	-1.40E-03	2.37E-04
	0.00	CORREAS	-3.99E-01	-1.10E-03	-4.34E-04
1477	0.50	CORREAS	-3.99E-01	-1.10E-03	1.21E-04
	0.00	VIVA	-7.11E-01	-5.61E-03	-1.88E-03
	0.50	VIVA	-7.11E-01	-5.61E-03	9.48E-04
	0.00	VIENTO	-1.03E+00	-8.10E-03	-2.72E-03
	0.50	VIENTO	-1.03E+00	-8.10E-03	1.37E-03
	0.00	ESPECTRO	1.41E-01	2.91E-04	4.67E-05
	0.50	ESPECTRO	1.41E-01	2.91E-04	1.39E-04
	0.00	DEAD	-8.73E-01	-5.25E-03	-1.22E-03
	0.50	DEAD	-8.71E-01	-8.84E-04	3.28E-04
	0.00	COBERT	-1.31E-01	-1.76E-03	-4.93E-04
	0.50	COBERT	-1.31E-01	-1.76E-03	3.93E-04
	0.00	CORREAS	-3.59E-01	-1.21E-03	-3.96E-04
1478	0.50	CORREAS	-3.59E-01	-1.21E-03	2.13E-04
	0.00	VIVA	-5.23E-01	-7.02E-03	-1.97E-03
	0.50	VIVA	-5.23E-01	-7.02E-03	1.57E-03
	0.00	VIENTO	-7.55E-01	-1.01E-02	-2.85E-03
	0.50	VIENTO	-7.55E-01	-1.01E-02	2.27E-03
	0.00	ESPECTRO	1.44E-01	2.72E-04	4.48E-05
	0.50	ESPECTRO	1.44E-01	2.72E-04	1.41E-04
	0.00	DEAD	-7.69E-01	-3.31E-03	-7.04E-04
	0.50	DEAD	-7.67E-01	1.14E-03	-1.57E-04
	0.00	COBERT	-8.47E-02	-7.30E-04	-2.38E-04
	0.50	COBERT	-8.47E-02	-7.30E-04	1.30E-04
	0.00	CORREAS	-3.09E-01	-5.66E-04	-2.34E-04
1479	0.50	CORREAS	-3.09E-01	-5.66E-04	5.12E-05
	0.00	VIVA	-3.39E-01	-2.92E-03	-9.51E-04

ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
	COMB8	0.8212	0.8237	0.0067	0.0102	0.0027	-0.0015
	COMB9	-3.2201	-3.2166	-0.0087	-0.0041	-0.0033	0.0002
	COMB10	-1.8327	-1.8301	-0.0042	-0.0007	-0.0016	-0.0001
	COMB1	-2.8526	-2.8488	-0.0070	-0.0014	-0.0024	-0.0003
	COMB2	-4.5076	-4.5044	-0.0144	-0.0096	-0.0052	0.0009
	COMB3	-5.5106	-5.5073	-0.0185	-0.0138	-0.0067	0.0014
	COMB4	-0.6687	-0.6654	0.0013	0.0061	0.0006	-0.0012
1474	COMB5	-3.9349	-3.9317	-0.0121	-0.0073	-0.0043	0.0006
	COMB6	-0.9553	-0.9520	0.0001	0.0049	0.0002	-0.0011
	COMB7	-4.2548	-4.8628	-0.0144	-0.0111	-0.0052	0.0011
	COMB8	0.5871	0.5896	0.0054	0.0090	0.0021	-0.0015
	COMB9	-2.9656	-2.9624	-0.0082	-0.0034	-0.0030	0.0003
	COMB10	-1.7098	-1.7074	-0.0041	-0.0005	-0.0015	0.0000
	COMB1	-2.6402	-2.6366	-0.0084	-0.0027	-0.0027	0.0001
	COMB2	-4.0198	-4.0168	-0.0162	-0.0113	-0.0055	0.0014
	COMB3	-4.8741	-4.8711	-0.0206	-0.0157	-0.0071	0.0021
	COMB4	-0.7499	-0.7469	0.0006	0.0055	0.0005	-0.0011
1475	COMB5	-3.5320	-3.5290	-0.0137	-0.0088	-0.0046	0.0011
	COMB6	-0.9940	-0.9910	-0.0007	0.0042	0.0000	-0.0009
	COMB7	-3.7594	-4.3221	-0.0160	-0.0129	-0.0055	0.0017
	COMB8	0.3649	0.3671	0.0052	0.0089	0.0020	-0.0015
	COMB9	-2.6813	-2.6782	-0.0096	-0.0047	-0.0032	0.0007
	COMB10	-1.5665	-1.5642	-0.0050	-0.0013	-0.0017	0.0002
	COMB1	-2.4147	-2.4114	-0.0087	-0.0028	-0.0027	0.0002
	COMB2	-3.5169	-3.5140	-0.0168	-0.0118	-0.0054	0.0017
	COMB3	-4.2206	-4.2178	-0.0213	-0.0163	-0.0070	0.0025
	COMB4	-0.8234	-0.8206	0.0006	0.0056	0.0004	-0.0011
1476	COMB5	-3.1151	-3.1122	-0.0142	-0.0092	-0.0046	0.0013
	COMB6	-1.0245	-1.0217	-0.0007	0.0043	0.0000	-0.0009
	COMB7	-3.2509	-3.7655	-0.0165	-0.0134	-0.0054	0.0020
	COMB8	0.1462	0.1484	0.0054	0.0091	0.0020	-0.0017
	COMB9	-2.3854	-2.3826	-0.0100	-0.0050	-0.0032	0.0008
	COMB10	-1.4157	-1.4136	-0.0052	-0.0015	-0.0017	0.0003
	COMB1	-2.1624	-2.1594	-0.0094	-0.0035	-0.0028	0.0004
	COMB2	-2.9913	-2.9886	-0.0171	-0.0119	-0.0054	0.0019
	COMB3	-3.5446	-3.5419	-0.0214	-0.0163	-0.0069	0.0026
	COMB4	-0.8736	-0.8709	-0.0004	0.0048	0.0002	-0.0009
1477	COMB5	-2.6753	-2.6727	-0.0146	-0.0094	-0.0046	0.0015
	COMB6	-1.0317	-1.0290	-0.0016	0.0035	-0.0002	-0.0007
	COMB7	-2.7256	-3.1864	-0.0166	-0.0135	-0.0053	0.0022
	COMB8	-0.0546	-0.0527	0.0045	0.0083	0.0017	-0.0015
	COMB9	-2.0679	-2.0652	-0.0106	-0.0055	-0.0033	0.0010
	COMB10	-1.2489	-1.2470	-0.0058	-0.0019	-0.0018	0.0004
	COMB1	-1.9074	-1.9046	-0.0115	-0.0054	-0.0030	0.0013
	COMB2	-2.4716	-2.4692	-0.0211	-0.0159	-0.0057	0.0036
	COMB3	-2.8785	-2.8761	-0.0266	-0.0213	-0.0072	0.0049
	COMB4	-0.9142	-0.9118	-0.0002	0.0051	0.0002	-0.0010
1478	COMB5	-2.2393	-2.2369	-0.0180	-0.0127	-0.0048	0.0029
	COMB6	-1.0305	-1.0281	-0.0017	0.0035	-0.0002	-0.0007
	COMB7	-2.2083	-2.6146	-0.0206	-0.0178	-0.0056	0.0041
	COMB8	-0.2440	-0.2422	0.0058	0.0097	0.0018	-0.0021
	COMB9	-1.7522	-1.7498	-0.0131	-0.0079	-0.0035	0.0020
	COMB10	-1.0820	-1.0802	-0.0071	-0.0032	-0.0019	0.0010
	COMB1	-1.6283	-1.6257	-0.0064	-0.0002	-0.0016	0.0000
	COMB2	-1.9377	-1.9355	-0.0102	-0.0049	-0.0029	0.0009
	COMB3	-2.2013	-2.1991	-0.0125	-0.0071	-0.0037	0.0013
	COMB4	-0.9288	-0.9266	-0.0015	0.0038	-0.0001	-0.0007
1479	COMB5	-1.7872	-1.7850	-0.0089	-0.0036	-0.0025	0.0006
	COMB6	-1.0041	-1.0019	-0.0021	0.0032	-0.0003	-0.0006

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO AS-3 (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames

ELE.	Stat.	OutputCase	P	V2	M3
Text	m	Text	Ton	Ton	Ton-m
	0.50	VIVA	-3.39E-01	-2.92E-03	5.22E-04
	0.00	VIENTO	-4.89E-01	-4.22E-03	-1.37E-03
	0.50	VIENTO	-4.89E-01	-4.22E-03	7.54E-04
	0.00	ESPECTRO	1.45E-01	1.55E-04	4.30E-05
	0.50	ESPECTRO	1.45E-01	1.55E-04	1.13E-04
	0.00	DEAD	-6.65E-01	-3.89E-03	-8.69E-04
	0.50	DEAD	-6.63E-01	6.25E-04	-4.66E-05
	0.00	COBERT	-4.28E-02	-9.49E-04	-3.12E-04
	0.50	COBERT	-4.28E-02	-9.49E-04	1.67E-04
	0.00	CORREAS	-2.67E-01	-7.01E-04	-2.82E-04
1480	0.50	CORREAS	-2.67E-01	-7.01E-04	7.13E-05
	0.00	VIVA	-1.71E-01	-3.80E-03	-1.25E-03
	0.50	VIVA	-1.71E-01	-3.80E-03	6.66E-04
	0.00	VIENTO	-2.47E-01	-5.48E-03	-1.80E-03
	0.50	VIENTO	-2.47E-01	-5.48E-03	9.62E-04
	0.00	ESPECTRO	1.43E-01	1.16E-04	5.17E-05
	0.50	ESPECTRO	1.43E-01	1.16E-04	9.99E-05
	0.00	DEAD	-5.59E-01	-3.86E-03	-8.12E-04
	0.50	DEAD	-5.57E-01	7.15E-04	-1.84E-05
	0.00	COBERT	-5.80E-03	-8.41E-04	-2.67E-04
	0.50	COBERT	-5.80E-03	-8.41E-04	1.57E-04
	0.00	CORREAS	-2.17E-01	-8.33E-04	-2.91E-04
1481	0.50	CORREAS	-2.17E-01	-8.33E-04	1.29E-04
	0.00	VIVA	-2.32E-02	-3.37E-03	-1.07E-03
	0.50	VIVA	-2.32E-02	-3.37E-03	6.29E-04
	0.00	VIENTO	-3.35E-02	-4.86E-03	-1.54E-03
	0.50	VIENTO	-3.35E-02	-4.86E-03	9.09E-04
	0.00	ESPECTRO	1.39E-01	5.11E-05	6.44E-05
	0.50	ESPECTRO	1.39E-01	5.11E-05	8.14E-05
	0.00	DEAD	-4.55E-01	-3.85E-03	-7.66E-04
	0.50	DEAD	-4.54E-01	7.80E-04	8.44E-06
	0.00	COBERT	2.50E-02	-7.32E-04	-2.25E-04
	0.50	COBERT	2.50E-02	-7.32E-04	1.44E-04
	0.00	CORREAS	-1.75E-01	-6.96E-04	-2.44E-04
1482	0.50	CORREAS	-1.75E-01	-6.96E-04	1.08E-04
	0.00	VIVA	1.00E-01	-2.93E-03	-9.00E-04
	0.50	VIVA	1.00E-01	-2.93E-03	5.78E-04
	0.00	VIENTO	1.44E-01	-4.23E-03	-1.30E-03
	0.50	VIENTO	1.44E-01	-4.23E-03	8.34E-04
	0.00	ESPECTRO	1.31E-01	4.12E-05	7.85E-05
	0.50	ESPECTRO	1.31E-01	4.12E-05	6.01E-05
	0.00	DEAD	-3.54E-01	-3.81E-03	-7.11E-04
	0.50	DEAD	-3.53E-01	8.67E-04	3.20E-05
	0.00	COBERT	4.94E-02	-5.79E-04	-1.80E-04
	0.50	COBERT	4.94E-02	-5.79E-04	1.12E-04
	0.00	CORREAS	-1.28E-01	-8.26E-04	-2.54E-04
1483	0.50	CORREAS	-1.28E-01	-8.26E-04	1.63E-04
	0.00	VIVA	1.97E-01	-2.32E-03	-7.19E-04
	0.50	VIVA	1.97E-01	-2.32E-03	4.49E-04
	0.00	VIENTO	2.85E-01	-3.35E-03	-1.04E-03
	0.50	VIENTO	2.85E-01	-3.35E-03	6.48E-04
	0.00	ESPECTRO	1.20E-01	1.21E-04	9.42E-05
	0.50	ESPECTRO	1.20E-01	1.21E-04	3.33E-05
	0.00	DEAD	-2.60E-01	-3.51E-03	-6.16E-04
	0.50	DEAD	-2.59E-01	1.21E-03	-3.84E-05
	0.00	COBERT	6.70E-02	-4.33E-04	-1.50E-04
	0.50	COBERT	6.70E-02	-4.33E-04	6.83E-05
	0.00	CORREAS	-9.24E-02	-5.75E-04	-1.85E-04
1484	0.50	CORREAS	-9.24E-02	-5.75E-04	1.05E-04
	0.00	VIVA	2.68E-01	-1.73E-03	-5.99E-04
	0.50	VIVA	2.68E-01	-1.73E-03	2.73E-04
	0.00	VIENTO	3.87E-01	-2.50E-03	-8.66E-04
	0.50	VIENTO	3.87E-01	-2.50E-03	3.95E-04
	0.00	ESPECTRO	1.05E-01	1.62E-04	1.03E-04
	0.50	ESPECTRO	1.05E-01	1.62E-04	2.16E-05
	0.00	DEAD	-1.74E-01	-4.08E-03	-7.50E-04
	0.50	DEAD	-1.73E-01	6.72E-04	1.09E-04
	0.00	COBERT	7.50E-02	-2.33E-04	-1.12E-04
	0.50	COBERT	7.50E-02	-2.33E-04	5.66E-06
	0.00	CORREAS	-5.29E-02	-8.59E-04	-2.48E-04
1485	0.50	CORREAS	-5.29E-02	-8.59E-04	1.85E-04

ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
	COMB7	-1.6830	-2.0297	-0.0096	-0.0057	-0.0028	0.0010
	COMB8	-0.4105	-0.4088	0.0013	0.0053	0.0007	-0.0010
	COMB9	-1.4199	-1.4177	-0.0068	-0.0015	-0.0018	0.0004
	COMB10	-0.9016	-0.9000	-0.0040	0.0000	-0.0010	0.0001
	COMB1	-1.3635	-1.3612	-0.0078	-0.0014	-0.0020	0.0003
	COMB2	-1.4428	-1.4408	-0.0127	-0.0073	-0.0038	0.0013
	COMB3	-1.5761	-1.5741	-0.0157	-0.0103	-0.0047	0.0018
	COMB4	-0.9327	-0.9307	-0.0014	0.0040	0.0000	-0.0007
1480	COMB5	-1.3667	-1.3647	-0.0110	-0.0056	-0.0032	0.0010
	COMB6	-0.9708	-0.9688	-0.0023	0.0032	-0.0003	-0.0005
	COMB7	-1.1983	-1.4885	-0.0121	-0.0084	-0.0037	0.0015
	COMB8	-0.5549	-0.5534	0.0021	0.0062	0.0010	-0.0011
	COMB9	-1.1110	-1.1090	-0.0084	-0.0030	-0.0023	0.0007
	COMB10	-0.7331	-0.7317	-0.0049	-0.0008	-0.0013	0.0003
	COMB1	-1.0937	-1.0917	-0.0078	-0.0013	-0.0019	0.0004
	COMB2	-0.9746	-0.9729	-0.0120	-0.0065	-0.0034	0.0013
	COMB3	-0.9927	-0.9909	-0.0146	-0.0092	-0.0042	0.0018
	COMB4	-0.9055	-0.9038	-0.0020	0.0035	-0.0002	-0.0005
1481	COMB5	-0.9643	-0.9626	-0.0105	-0.0050	-0.0029	0.0010
	COMB6	-0.9107	-0.9089	-0.0028	0.0027	-0.0004	-0.0004
	COMB7	-0.7467	-0.9793	-0.0113	-0.0075	-0.0032	0.0015
	COMB8	-0.6595	-0.6582	0.0013	0.0055	0.0008	-0.0009
	COMB9	-0.8102	-0.8085	-0.0083	-0.0028	-0.0021	0.0007
	COMB10	-0.5642	-0.5629	-0.0049	-0.0008	-0.0012	0.0003
	COMB1	-0.8469	-0.8451	-0.0074	-0.0009	-0.0017	0.0004
	COMB2	-0.5659	-0.5644	-0.0110	-0.0055	-0.0029	0.0012
	COMB3	-0.4881	-0.4866	-0.0133	-0.0077	-0.0036	0.0017
	COMB4	-0.8637	-0.8622	-0.0023	0.0033	-0.0002	-0.0005
1482	COMB5	-0.6103	-0.6088	-0.0097	-0.0042	-0.0025	0.0010
	COMB6	-0.8415	-0.8400	-0.0030	0.0026	-0.0004	-0.0004
	COMB7	-0.3566	-0.5366	-0.0103	-0.0063	-0.0028	0.0014
	COMB8	-0.7322	-0.7311	0.0007	0.0049	0.0006	-0.0009
	COMB9	-0.5448	-0.5432	-0.0078	-0.0022	-0.0019	0.0007
	COMB10	-0.4133	-0.4121	-0.0047	-0.0005	-0.0010	0.0003
	COMB1	-0.6064	-0.6049	-0.0073	-0.0008	-0.0016	0.0004
	COMB2	-0.2039	-0.2026	-0.0100	-0.0044	-0.0025	0.0011
	COMB3	-0.0502	-0.0489	-0.0118	-0.0062	-0.0031	0.0014
	COMB4	-0.7919	-0.7906	-0.0031	0.0025	-0.0004	-0.0002
1483	COMB5	-0.2916	-0.2903	-0.0089	-0.0033	-0.0022	0.0009
	COMB6	-0.7480	-0.7467	-0.0036	0.0020	-0.0005	-0.0002
	COMB7	-0.0190	-0.1477	-0.0090	-0.0050	-0.0024	0.0012
	COMB8	-0.7607	-0.7597	-0.0003	0.0039	0.0003	-0.0006
	COMB9	-0.3010	-0.2997	-0.0073	-0.0017	-0.0016	0.0006
	COMB10	-0.2698	-0.2688	-0.0046	-0.0004	-0.0009	0.0003
	COMB1	-0.3996	-0.3984	-0.0063	0.0003	-0.0013	0.0002
	COMB2	0.0861	0.0872	-0.0082	-0.0025	-0.0021	0.0006
	COMB3	0.2946	0.2956	-0.0095	-0.0039	-0.0026	0.0008
	COMB4	-0.7117	-0.7106	-0.0030	0.0026	-0.0003	-0.0002
1484	COMB5	-0.0329	-0.0318	-0.0074	-0.0018	-0.0018	0.0005
	COMB6	-0.6521	-0.6511	-0.0034	0.0022	-0.0004	-0.0002
	COMB7	0.2462	0.1617	-0.0073	-0.0030	-0.0020	0.0007
	COMB8	-0.7600	-0.7592	-0.0008	0.0034	0.0003	-0.0004
	COMB9	-0.1033	-0.1022	-0.0061	-0.0005	-0.0013	0.0003
	COMB10	-0.1516	-0.1508	-0.0039	0.0003	-0.0008	0.0001
	COMB1	-0.2126	-0.2116	-0.0072	-0.0006	-0.0016	0.0004
	COMB2	0.2978	0.2986	-0.0077	-0.0020	-0.0020	0.0004
	COMB3	0.5312	0.5321	-0.0084	-0.0027	-0.0024	0.0004
	COMB4	-0.5957	-0.5948	-0.0049	0.0008	-0.0007	0.0003
1485	COMB5	0.1645	0.1653	-0.0073	-0.0016	-0.0018	0.0004

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO AS-3 (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames

ELE.	Stat.	OutputCase	P	V2	M3	ELE.	COMB	Pu_1	Pu_2	$V2_1$	$V2_2$	Mu_1	Mu_2
Text	m	Text	Ton	Ton	Ton-m			(Ton)	(Ton)	(Ton)	(Ton)	(Ton.m)	(Ton.m)
[illegible]	0.00	VIVA	3.00E-01	-9.31E-04	-4.47E-04	[illegible]	COMB6	-0.5290	-0.5281	-0.0051	0.0006	-0.0008	0.0003
	0.50	VIVA	3.00E-01	-9.31E-04	2.26E-05		COMB7	0.4268	0.3820	-0.0064	-0.0023	-0.0018	0.0004
	0.00	VIENTO	4.33E-01	-1.35E-03	-6.46E-04		COMB8	-0.7001	-0.6995	-0.0029	0.0014	-0.0002	0.0002
	0.50	VIENTO	4.33E-01	-1.35E-03	3.27E-05		COMB9	0.0545	0.0554	-0.0063	-0.0006	-0.0014	0.0004
	0.00	ESPECTRO	8.68E-02	4.14E-04	1.64E-04		COMB10	-0.0499	-0.0493	-0.0042	0.0000	-0.0008	0.0003
	0.50	ESPECTRO	8.68E-02	4.14E-04	4.55E-05								
	0.00	DEAD	-9.69E-02	-3.27E-03	-4.62E-04								
	0.50	DEAD	-9.64E-02	1.51E-03	-1.79E-05		COMB1	-0.0790	-0.0783	-0.0049	0.0018	-0.0008	0.0000
	0.00	COBERT	6.78E-02	2.79E-04	3.24E-05		COMB2	0.3663	0.3669	-0.0024	0.0034	-0.0005	-0.0007
	0.50	COBERT	6.78E-02	2.79E-04	-1.08E-04		COMB3	0.5773	0.5779	-0.0015	0.0042	-0.0004	-0.0010
	0.00	CORREAS	-2.74E-02	-4.81E-04	-1.25E-04		COMB4	-0.4415	-0.4409	-0.0057	0.0000	-0.0008	0.0006
1486	0.50	CORREAS	-2.74E-02	-4.81E-04	1.18E-04	1486	COMB5	0.2458	0.2464	-0.0029	0.0029	-0.0005	-0.0005
	0.00	VIVA	2.71E-01	1.12E-03	1.30E-04		COMB6	-0.3812	-0.3806	-0.0055	0.0003	-0.0008	0.0005
	0.50	VIVA	2.71E-01	1.12E-03	-4.33E-04		COMB7	0.4586	0.4423	-0.0010	0.0037	-0.0003	-0.0008
	0.00	VIENTO	3.92E-01	1.61E-03	1.87E-04		COMB8	-0.5602	-0.5598	-0.0052	-0.0009	-0.0007	0.0008
	0.50	VIENTO	3.92E-01	1.61E-03	-6.26E-04		COMB9	0.1327	0.1333	-0.0031	0.0026	-0.0005	-0.0001
	0.00	ESPECTRO	6.48E-02	4.62E-04	1.49E-04		COMB10	0.0140	0.0145	-0.0027	0.0016	-0.0003	0.0001
	0.50	ESPECTRO	6.48E-02	4.62E-04	8.46E-05								
	0.00	DEAD	-3.13E-02	-4.21E-03	-5.34E-04								
	0.50	DEAD	-3.10E-02	5.82E-04	3.81E-04		COMB1	0.0171	0.0175	-0.0073	-0.0006	-0.0009	0.0011
	0.00	COBERT	4.38E-02	-5.38E-05	5.95E-05		COMB2	0.2948	0.2952	-0.0066	-0.0009	-0.0004	0.0015
	0.50	COBERT	4.38E-02	-5.38E-05	8.67E-05		COMB3	0.4310	0.4314	-0.0068	-0.0010	-0.0002	0.0018
	0.00	CORREAS	-2.80E-04	-9.64E-04	-1.61E-04		COMB4	-0.2266	-0.2263	-0.0060	-0.0002	-0.0011	0.0005
1487	0.50	CORREAS	-2.80E-04	-9.64E-04	3.25E-04	1487	COMB5	0.2170	0.2174	-0.0065	-0.0008	-0.0005	0.0014
	0.00	VIVA	1.75E-01	-2.15E-04	2.38E-04		COMB6	-0.1877	-0.1873	-0.0060	-0.0003	-0.0010	0.0006
	0.50	VIVA	1.75E-01	-2.15E-04	3.47E-04		COMB7	0.3398	0.3438	-0.0051	-0.0009	-0.0001	0.0016
	0.00	VIENTO	2.53E-01	-3.11E-04	3.44E-04		COMB8	-0.3178	-0.3176	-0.0043	0.0000	-0.0010	0.0001
	0.50	VIENTO	2.53E-01	-3.11E-04	5.01E-04		COMB9	0.1413	0.1417	-0.0060	-0.0003	-0.0005	0.0012
	0.00	ESPECTRO	3.91E-02	3.52E-04	1.33E-04		COMB10	0.0501	0.0504	-0.0044	0.0000	-0.0004	0.0008
	0.50	ESPECTRO	3.91E-02	3.52E-04	7.35E-05								
	0.00	DEAD	2.24E-02	1.48E-03	8.32E-04								
	0.50	DEAD	2.25E-02	6.28E-03	-1.12E-03		COMB1	0.0597	0.0599	0.0087	0.0154	0.0027	-0.0033
	0.00	COBERT	9.67E-03	2.57E-03	5.90E-04		COMB2	0.1131	0.1132	0.0239	0.0296	0.0061	-0.0074
	0.50	COBERT	9.67E-03	2.57E-03	-7.05E-04		COMB3	0.1432	0.1433	0.0319	0.0376	0.0079	-0.0096
	0.00	CORREAS	1.05E-02	2.14E-03	5.19E-04		COMB4	-0.0021	-0.0020	-0.0067	-0.0010	-0.0009	0.0010
1488	0.50	CORREAS	1.05E-02	2.14E-03	-5.63E-04	1488	COMB5	0.0959	0.0960	0.0193	0.0251	0.0051	-0.0061
	0.00	VIVA	3.87E-02	1.03E-02	2.36E-03		COMB6	0.0065	0.0066	-0.0044	0.0013	-0.0004	0.0004
	0.50	VIVA	3.87E-02	1.03E-02	-2.82E-03		COMB7	0.1111	0.1240	0.0249	0.0325	0.0062	-0.0082
	0.00	VIENTO	5.59E-02	1.48E-02	3.41E-03		COMB8	-0.0343	-0.0342	-0.0137	-0.0094	-0.0027	0.0031
	0.50	VIENTO	5.59E-02	1.48E-02	-4.08E-03		COMB9	0.0806	0.0808	0.0150	0.0207	0.0040	-0.0035
	0.00	ESPECTRO	1.01E-02	2.41E-03	4.50E-04		COMB10	0.0485	0.0486	0.0080	0.0123	0.0022	-0.0014
	0.50	ESPECTRO	1.01E-02	2.41E-03	7.65E-04								
MONTANTE						**MONTANTE**							
	0.00	DEAD	-3.82E-03	-4.33E-03	-7.24E-04								
	1.00	DEAD	-9.07E-03	3.60E-03	-3.59E-04		COMB1	-0.0324	-0.0397	-0.0053	0.0058	-0.0007	-0.0010
	0.00	COBERT	-1.79E-02	4.14E-04	1.72E-04		COMB2	-0.1425	-0.1488	-0.0019	0.0076	0.0005	-0.0024
	1.00	COBERT	-1.79E-02	4.14E-04	-2.42E-04		COMB3	-0.1983	-0.2046	-0.0006	0.0089	0.0010	-0.0031
	0.00	CORREAS	-1.37E-03	1.37E-04	5.78E-05		COMB4	0.0711	0.0648	-0.0068	0.0027	-0.0015	0.0005
311	1.00	CORREAS	-1.37E-03	1.37E-04	-7.88E-05	311	COMB5	-0.1106	-0.1169	-0.0026	0.0069	0.0002	-0.0019
	0.00	VIVA	-7.17E-02	1.66E-03	6.88E-04		COMB6	0.0552	0.0488	-0.0065	0.0031	-0.0014	0.0003
	1.00	VIVA	-7.17E-02	1.66E-03	-9.68E-04		COMB7	-0.1555	-0.1687	-0.0003	0.0081	0.0008	-0.0026
	0.00	VIENTO	-1.04E-01	2.39E-03	9.94E-04		COMB8	0.1139	0.1092	-0.0065	0.0006	-0.0017	0.0012
	1.00	VIENTO	-1.04E-01	2.39E-03	-1.40E-03		COMB9	-0.0621	-0.0684	-0.0036	0.0059	-0.0002	-0.0012
	0.00	ESPECTRO	1.51E-03	1.06E-04	4.58E-05		COMB10	-0.0193	-0.0240	-0.0033	0.0038	-0.0004	-0.0006
	1.00	ESPECTRO	1.51E-03	1.06E-04	6.05E-05								
	0.00	DEAD	5.97E-02	-3.30E-03	-3.07E-04								
	0.99	DEAD	5.42E-02	4.33E-03	-8.14E-04		COMB1	0.2297	0.2220	-0.0033	0.0074	0.0002	-0.0019
	0.00	COBERT	7.69E-02	7.46E-04	3.41E-04		COMB2	0.6889	0.6823	0.0020	0.0111	0.0023	-0.0041
	0.99	COBERT	7.69E-02	7.46E-04	-3.96E-04		COMB3	0.9281	0.9215	0.0043	0.0135	0.0034	-0.0054
	0.00	CORREAS	2.75E-02	2.24E-04	1.02E-04		COMB4	-0.2268	-0.2335	-0.0069	0.0022	-0.0017	0.0006
312	0.99	CORREAS	2.75E-02	2.24E-04	-1.20E-04	312	COMB5	0.5523	0.5457	0.0007	0.0098	0.0017	-0.0034
	0.00	VIVA	3.07E-01	2.98E-03	1.37E-03		COMB6	-0.1585	-0.1651	-0.0062	0.0029	-0.0014	0.0002
	0.99	VIVA	3.07E-01	2.98E-03	-1.59E-03		COMB7	0.7252	0.7678	0.0035	0.0120	0.0027	-0.0046
	0.00	VIENTO	4.44E-01	4.31E-03	1.97E-03		COMB8	-0.4298	-0.4348	-0.0077	-0.0008	-0.0024	0.0018
	0.99	VIENTO	4.44E-01	4.31E-03	-2.29E-03		COMB9	0.3743	0.3677	-0.0011	0.0080	0.0009	-0.0023
	0.00	ESPECTRO	2.37E-02	1.91E-04	8.75E-05		COMB10	0.1713	0.1664	-0.0019	0.0050	0.0002	-0.0011
	0.99	ESPECTRO	2.37E-02	1.91E-04	1.01E-04								
	0.00	DEAD	5.27E-02	-3.34E-03	-3.59E-04								
	0.98	DEAD	4.69E-02	3.97E-03	-6.68E-04		COMB1	0.2243	0.2162	-0.0033	0.0069	0.0002	-0.0016
	0.00	COBERT	7.54E-02	7.62E-04	3.66E-04		COMB2	0.6750	0.6681	0.0020	0.0108	0.0025	-0.0038
	0.98	COBERT	7.54E-02	7.62E-04	-3.78E-04		COMB3	0.9098	0.9029	0.0044	0.0132	0.0036	-0.0050

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO AS-3 (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames

ELE.	Stat.	OutputCase	P	V2	M3
Text	m	Text	Ton	Ton	Ton-m
313	0.00	CORREAS	3.21E-02	2.17E-04	1.06E-04
	0.98	CORREAS	3.21E-02	2.17E-04	-1.06E-04
	0.00	VIVA	3.02E-01	3.05E-03	1.46E-03
	0.98	VIVA	3.02E-01	3.05E-03	-1.51E-03
	0.00	VIENTO	4.36E-01	4.40E-03	2.11E-03
	0.98	VIENTO	4.36E-01	4.40E-03	-2.19E-03
	0.00	ESPECTRO	2.36E-02	2.07E-04	9.99E-05
	0.98	ESPECTRO	2.36E-02	2.07E-04	1.03E-04
314	0.00	DEAD	4.36E-02	-3.25E-03	-3.70E-04
	0.96	DEAD	3.77E-02	3.72E-03	-5.99E-04
	0.00	COBERT	7.28E-02	7.44E-04	3.51E-04
	0.96	COBERT	7.28E-02	7.44E-04	-3.66E-04
	0.00	CORREAS	2.13E-02	1.83E-04	8.82E-05
	0.96	CORREAS	2.13E-02	1.83E-04	-8.81E-05
	0.00	VIVA	2.91E-01	2.97E-03	1.40E-03
	0.96	VIVA	2.91E-01	2.97E-03	-1.47E-03
	0.00	VIENTO	4.21E-01	4.30E-03	2.03E-03
	0.96	VIENTO	4.21E-01	4.30E-03	-2.12E-03
	0.00	ESPECTRO	2.32E-02	2.09E-04	9.89E-05
	0.96	ESPECTRO	2.32E-02	2.09E-04	1.03E-04
315	0.00	DEAD	3.55E-02	-3.19E-03	-3.95E-04
	0.95	DEAD	2.93E-02	3.44E-03	-5.14E-04
	0.00	COBERT	6.89E-02	7.30E-04	3.41E-04
	0.95	COBERT	6.89E-02	7.30E-04	-3.54E-04
	0.00	CORREAS	2.67E-02	1.46E-04	6.98E-05
	0.95	CORREAS	2.67E-02	1.46E-04	-6.88E-05
	0.00	VIVA	2.76E-01	2.92E-03	1.37E-03
	0.95	VIVA	2.76E-01	2.92E-03	-1.41E-03
	0.00	VIENTO	3.98E-01	4.22E-03	1.97E-03
	0.95	VIENTO	3.98E-01	4.22E-03	-2.04E-03
	0.00	ESPECTRO	2.28E-02	2.12E-04	9.94E-05
	0.95	ESPECTRO	2.28E-02	2.12E-04	1.02E-04
316	0.00	DEAD	2.83E-02	-3.13E-03	-4.15E-04
	0.94	DEAD	2.19E-02	3.17E-03	-4.34E-04
	0.00	COBERT	6.43E-02	7.02E-04	3.25E-04
	0.94	COBERT	6.43E-02	7.02E-04	-3.35E-04
	0.00	CORREAS	1.59E-02	1.13E-04	5.51E-05
	0.94	CORREAS	1.59E-02	1.13E-04	-5.12E-05
	0.00	VIVA	2.57E-01	2.81E-03	1.30E-03
	0.94	VIVA	2.57E-01	2.81E-03	-1.34E-03
	0.00	VIENTO	3.71E-01	4.06E-03	1.88E-03
	0.94	VIENTO	3.71E-01	4.06E-03	-1.93E-03
	0.00	ESPECTRO	2.22E-02	2.14E-04	9.92E-05
	0.94	ESPECTRO	2.22E-02	2.14E-04	1.02E-04
317	0.00	DEAD	2.23E-02	-3.05E-03	-4.33E-04
	0.93	DEAD	1.57E-02	2.90E-03	-3.59E-04
	0.00	COBERT	5.98E-02	6.70E-04	3.07E-04
	0.93	COBERT	5.98E-02	6.70E-04	-3.14E-04
	0.00	CORREAS	2.27E-02	8.06E-05	3.91E-05
	0.93	CORREAS	2.27E-02	8.06E-05	-3.57E-05
	0.00	VIVA	2.39E-01	2.68E-03	1.23E-03
	0.93	VIVA	2.39E-01	2.68E-03	-1.26E-03
	0.00	VIENTO	3.45E-01	3.87E-03	1.77E-03
	0.93	VIENTO	3.45E-01	3.87E-03	-1.82E-03
	0.00	ESPECTRO	2.13E-02	2.16E-04	9.89E-05
	0.93	ESPECTRO	2.13E-02	2.16E-04	1.01E-04
318	0.00	DEAD	1.75E-02	-2.97E-03	-4.46E-04
	0.91	DEAD	1.08E-02	2.63E-03	-2.87E-04
	0.00	COBERT	5.57E-02	6.03E-04	2.75E-04
	0.91	COBERT	5.57E-02	6.03E-04	-2.76E-04
	0.00	CORREAS	1.22E-02	4.11E-05	2.31E-05
	0.91	CORREAS	1.22E-02	4.11E-05	-1.45E-05
	0.00	VIVA	2.23E-01	2.41E-03	1.10E-03
	0.91	VIVA	2.23E-01	2.41E-03	-1.10E-03
	0.00	VIENTO	3.22E-01	3.48E-03	1.59E-03
	0.91	VIENTO	3.22E-01	3.48E-03	-1.59E-03
	0.00	ESPECTRO	2.02E-02	2.03E-04	9.30E-05
	0.91	ESPECTRO	2.02E-02	2.03E-04	9.27E-05
	0.00	DEAD	1.39E-02	-2.84E-03	-4.44E-04
	0.90	DEAD	7.07E-03	2.40E-03	-2.44E-04
	0.00	COBERT	5.13E-02	7.48E-04	3.30E-04

ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
313	COMB4	-0.2236	-0.2305	-0.0070	0.0017	-0.0019	0.0007
	COMB5	0.5410	0.5341	0.0007	0.0095	0.0018	-0.0031
	COMB6	-0.1565	-0.1634	-0.0064	0.0024	-0.0016	0.0004
	COMB7	0.7109	0.7520	0.0036	0.0117	0.0029	-0.0042
	COMB8	-0.4225	-0.4277	-0.0078	-0.0013	-0.0026	0.0018
	COMB9	0.3667	0.3598	-0.0011	0.0077	0.0010	-0.0020
	COMB10	0.1677	0.1626	-0.0019	0.0047	0.0002	-0.0009
314							
	COMB1	0.1929	0.1845	-0.0033	0.0065	0.0001	-0.0015
	COMB2	0.6314	0.6242	0.0020	0.0103	0.0023	-0.0036
	COMB3	0.8580	0.8508	0.0043	0.0127	0.0034	-0.0047
	COMB4	-0.2361	-0.2432	-0.0069	0.0015	-0.0019	0.0008
	COMB5	0.5020	0.4948	0.0006	0.0090	0.0017	-0.0030
	COMB6	-0.1713	-0.1785	-0.0062	0.0021	-0.0015	0.0004
	COMB7	0.6710	0.7052	0.0035	0.0112	0.0027	-0.0040
	COMB8	-0.4230	-0.4284	-0.0077	-0.0014	-0.0026	0.0018
	COMB9	0.3342	0.3270	-0.0011	0.0073	0.0009	-0.0019
	COMB10	0.1472	0.1418	-0.0019	0.0044	0.0002	-0.0008
315							
	COMB1	0.1835	0.1749	-0.0032	0.0060	0.0000	-0.0013
	COMB2	0.5985	0.5911	0.0019	0.0099	0.0022	-0.0034
	COMB3	0.8131	0.8057	0.0042	0.0121	0.0033	-0.0045
	COMB4	-0.2227	-0.2301	-0.0068	0.0012	-0.0019	0.0008
	COMB5	0.4760	0.4686	0.0006	0.0086	0.0016	-0.0028
	COMB6	-0.1614	-0.1688	-0.0062	0.0018	-0.0016	0.0005
	COMB7	0.6359	0.6678	0.0034	0.0107	0.0026	-0.0038
	COMB8	-0.3999	-0.4055	-0.0076	-0.0016	-0.0026	0.0018
	COMB9	0.3180	0.3106	-0.0011	0.0069	0.0008	-0.0017
	COMB10	0.1408	0.1352	-0.0019	0.0041	0.0001	-0.0007
316							
	COMB1	0.1518	0.1429	-0.0032	0.0056	0.0000	-0.0011
	COMB2	0.5415	0.5339	0.0017	0.0093	0.0020	-0.0031
	COMB3	0.7416	0.7340	0.0039	0.0115	0.0031	-0.0042
	COMB4	-0.2243	-0.2319	-0.0066	0.0009	-0.0018	0.0009
	COMB5	0.4273	0.4197	0.0005	0.0080	0.0015	-0.0025
	COMB6	-0.1671	-0.1747	-0.0060	0.0015	-0.0015	0.0006
	COMB7	0.5805	0.6054	0.0032	0.0101	0.0024	-0.0035
	COMB8	-0.3854	-0.3911	-0.0074	-0.0017	-0.0025	0.0018
	COMB9	0.2809	0.2732	-0.0012	0.0064	0.0007	-0.0016
	COMB10	0.1198	0.1140	-0.0019	0.0038	0.0001	-0.0006
317							
	COMB1	0.1466	0.1375	-0.0032	0.0051	-0.0001	-0.0010
	COMB2	0.5082	0.5004	0.0015	0.0087	0.0019	-0.0029
	COMB3	0.6942	0.6864	0.0036	0.0107	0.0028	-0.0038
	COMB4	-0.2038	-0.2116	-0.0065	0.0007	-0.0018	0.0009
	COMB5	0.4020	0.3942	0.0003	0.0075	0.0013	-0.0023
	COMB6	-0.1506	-0.1584	-0.0059	0.0013	-0.0015	0.0006
	COMB7	0.5432	0.5668	0.0030	0.0094	0.0022	-0.0032
	COMB8	-0.3547	-0.3606	-0.0071	-0.0017	-0.0024	0.0017
	COMB9	0.2665	0.2587	-0.0012	0.0059	0.0006	-0.0014
	COMB10	0.1156	0.1097	-0.0019	0.0035	0.0000	-0.0005
318							
	COMB1	0.1195	0.1102	-0.0033	0.0046	-0.0002	-0.0008
	COMB2	0.4587	0.4507	0.0011	0.0078	0.0016	-0.0025
	COMB3	0.6319	0.6239	0.0029	0.0097	0.0024	-0.0033
	COMB4	-0.2044	-0.2124	-0.0061	0.0006	-0.0017	0.0008
	COMB5	0.3598	0.3518	0.0000	0.0067	0.0011	-0.0020
	COMB6	-0.1549	-0.1629	-0.0056	0.0011	-0.0015	0.0006
	COMB7	0.4950	0.5126	0.0024	0.0085	0.0019	-0.0028
	COMB8	-0.3413	-0.3473	-0.0066	-0.0016	-0.0022	0.0016
	COMB9	0.2339	0.2259	-0.0014	0.0053	0.0005	-0.0012
	COMB10	0.0970	0.0910	-0.0019	0.0031	0.0000	-0.0004
	COMB1	0.1199	0.1104	-0.0028	0.0045	-0.0001	-0.0009
	COMB2	0.4313	0.4231	0.0024	0.0087	0.0020	-0.0030

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO AS-3 (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames

ELE.	Stat.	OutputCase	P	V2	M3
Text	m	Text	Ton	Ton	Ton-m
319	0.90	COBERT	5.13E-02	7.48E-04	-3.44E-04
	0.00	CORREAS	2.04E-02	1.01E-04	4.53E-05
	0.90	CORREAS	2.04E-02	1.01E-04	-4.55E-05
	0.00	VIVA	2.05E-01	2.99E-03	1.32E-03
	0.90	VIVA	2.05E-01	2.99E-03	-1.38E-03
	0.00	VIENTO	2.97E-01	4.32E-03	1.91E-03
	0.90	VIENTO	2.97E-01	4.32E-03	-1.99E-03
	0.00	ESPECTRO	1.86E-02	2.62E-04	1.16E-04
	0.90	ESPECTRO	1.86E-02	2.62E-04	1.20E-04
320	0.00	DEAD	1.50E-02	-2.73E-03	-4.47E-04
	0.89	DEAD	8.13E-03	2.16E-03	-1.91E-04
	0.00	COBERT	4.67E-02	8.81E-04	3.90E-04
	0.89	COBERT	4.67E-02	8.81E-04	-3.93E-04
	0.00	CORREAS	9.99E-03	1.17E-04	5.52E-05
	0.89	CORREAS	9.99E-03	1.17E-04	-4.88E-05
	0.00	VIVA	1.87E-01	3.52E-03	1.56E-03
	0.89	VIVA	1.87E-01	3.52E-03	-1.57E-03
	0.00	VIENTO	2.70E-01	5.09E-03	2.25E-03
	0.89	VIENTO	2.70E-01	5.09E-03	-2.27E-03
	0.00	ESPECTRO	1.68E-02	3.12E-04	1.38E-04
	0.89	ESPECTRO	1.68E-02	3.12E-04	1.39E-04
321	0.00	DEAD	1.69E-02	-2.55E-03	-4.16E-04
	0.88	DEAD	9.93E-03	1.98E-03	-1.66E-04
	0.00	COBERT	4.24E-02	7.83E-04	3.41E-04
	0.88	COBERT	4.24E-02	7.83E-04	-3.45E-04
	0.00	CORREAS	1.94E-02	9.01E-05	4.12E-05
	0.88	CORREAS	1.94E-02	9.01E-05	-3.77E-05
	0.00	VIVA	1.70E-01	3.13E-03	1.36E-03
	0.88	VIVA	1.70E-01	3.13E-03	-1.38E-03
	0.00	VIENTO	2.45E-01	4.53E-03	1.97E-03
	0.88	VIENTO	2.45E-01	4.53E-03	-1.99E-03
	0.00	ESPECTRO	1.50E-02	2.78E-04	1.21E-04
	0.88	ESPECTRO	1.50E-02	2.78E-04	1.22E-04
322	0.00	DEAD	1.92E-02	-2.36E-03	-3.82E-04
	0.86	DEAD	1.22E-02	1.82E-03	-1.48E-04
	0.00	COBERT	3.76E-02	7.16E-04	3.09E-04
	0.86	COBERT	3.76E-02	7.16E-04	-3.09E-04
	0.00	CORREAS	8.52E-03	7.65E-05	3.69E-05
	0.86	CORREAS	8.52E-03	7.65E-05	-2.92E-05
	0.00	VIVA	1.51E-01	2.86E-03	1.23E-03
	0.86	VIVA	1.51E-01	2.86E-03	-1.24E-03
	0.00	VIENTO	2.17E-01	4.14E-03	1.78E-03
	0.86	VIENTO	2.17E-01	4.14E-03	-1.79E-03
	0.00	ESPECTRO	1.28E-02	2.50E-04	1.08E-04
	0.86	ESPECTRO	1.28E-02	2.50E-04	1.08E-04
323	0.00	DEAD	2.16E-02	-2.16E-03	-3.44E-04
	0.85	DEAD	1.45E-02	1.67E-03	-1.35E-04
	0.00	COBERT	3.26E-02	6.36E-04	2.71E-04
	0.85	COBERT	3.26E-02	6.36E-04	-2.70E-04
	0.00	CORREAS	1.81E-02	5.61E-05	2.66E-05
	0.85	CORREAS	1.81E-02	5.61E-05	-2.11E-05
	0.00	VIVA	1.30E-01	2.54E-03	1.08E-03
	0.85	VIVA	1.30E-01	2.54E-03	-1.08E-03
	0.00	VIENTO	1.88E-01	3.68E-03	1.57E-03
	0.85	VIENTO	1.88E-01	3.68E-03	-1.56E-03
	0.00	ESPECTRO	1.04E-02	2.13E-04	9.09E-05
	0.85	ESPECTRO	1.04E-02	2.13E-04	9.01E-05
324	0.00	DEAD	2.38E-02	-1.95E-03	-3.04E-04
	0.84	DEAD	1.66E-02	1.53E-03	-1.27E-04
	0.00	COBERT	2.72E-02	5.62E-04	2.36E-04
	0.84	COBERT	2.72E-02	5.62E-04	-2.34E-04
	0.00	CORREAS	6.27E-03	4.79E-05	2.42E-05
	0.84	CORREAS	6.27E-03	4.79E-05	-1.59E-05
	0.00	VIVA	1.09E-01	2.25E-03	9.46E-04
	0.84	VIVA	1.09E-01	2.25E-03	-9.36E-04
	0.00	VIENTO	1.57E-01	3.25E-03	1.37E-03
	0.84	VIENTO	1.57E-01	3.25E-03	-1.35E-03
	0.00	ESPECTRO	7.88E-03	1.73E-04	7.32E-05
	0.84	ESPECTRO	7.88E-03	1.73E-04	7.19E-05
	0.00	DEAD	2.58E-02	-1.79E-03	-2.80E-04
	0.82	DEAD	1.86E-02	1.35E-03	-9.77E-05

ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
319	COMB3	0.5911	0.5829	0.0047	0.0110	0.0031	-0.0040
	COMB4	-0.1802	-0.1884	-0.0065	-0.0002	-0.0019	0.0011
	COMB5	0.3401	0.3319	0.0011	0.0074	0.0014	-0.0024
	COMB6	-0.1345	-0.1427	-0.0059	0.0004	-0.0016	0.0008
	COMB7	0.4627	0.4802	0.0038	0.0095	0.0024	-0.0033
	COMB8	-0.3086	-0.3147	-0.0074	-0.0027	-0.0025	0.0020
	COMB9	0.2240	0.2159	-0.0006	0.0057	0.0007	-0.0013
	COMB10	0.0957	0.0896	-0.0015	0.0032	0.0001	-0.0004
320							
	COMB1	0.1004	0.0908	-0.0024	0.0044	0.0000	-0.0009
	COMB2	0.3850	0.3768	0.0036	0.0094	0.0025	-0.0033
	COMB3	0.5304	0.5221	0.0063	0.0122	0.0037	-0.0045
	COMB4	-0.1714	-0.1797	-0.0069	-0.0011	-0.0022	0.0014
	COMB5	0.3020	0.2937	0.0020	0.0079	0.0018	-0.0026
	COMB6	-0.1299	-0.1382	-0.0062	-0.0003	-0.0018	0.0011
	COMB7	0.4155	0.4287	0.0051	0.0104	0.0029	-0.0037
	COMB8	-0.2864	-0.2926	-0.0082	-0.0038	-0.0029	0.0024
	COMB9	0.1964	0.1881	0.0000	0.0059	0.0009	-0.0014
	COMB10	0.0814	0.0752	-0.0012	0.0032	0.0001	-0.0004
321							
	COMB1	0.1102	0.1004	-0.0024	0.0040	0.0000	-0.0008
	COMB2	0.3658	0.3575	0.0030	0.0084	0.0021	-0.0029
	COMB3	0.4978	0.4894	0.0054	0.0109	0.0032	-0.0039
	COMB4	-0.1393	-0.1477	-0.0063	-0.0009	-0.0019	0.0012
	COMB5	0.2905	0.2821	0.0016	0.0070	0.0015	-0.0023
	COMB6	-0.1016	-0.1100	-0.0056	-0.0002	-0.0016	0.0009
	COMB7	0.3894	0.4046	0.0044	0.0093	0.0025	-0.0033
	COMB8	-0.2477	-0.2540	-0.0074	-0.0033	-0.0026	0.0021
	COMB9	0.1943	0.1859	-0.0002	0.0053	0.0008	-0.0012
	COMB10	0.0858	0.0795	-0.0012	0.0028	0.0001	-0.0004
322							
	COMB1	0.0915	0.0816	-0.0022	0.0037	-0.0001	-0.0007
	COMB2	0.3193	0.3108	0.0027	0.0077	0.0019	-0.0026
	COMB3	0.4364	0.4279	0.0049	0.0099	0.0029	-0.0035
	COMB4	-0.1290	-0.1375	-0.0058	-0.0008	-0.0017	0.0011
	COMB5	0.2524	0.2439	0.0014	0.0064	0.0014	-0.0020
	COMB6	-0.0955	-0.1040	-0.0052	-0.0002	-0.0015	0.0008
	COMB7	0.3415	0.3527	0.0040	0.0085	0.0023	-0.0029
	COMB8	-0.2239	-0.2302	-0.0068	-0.0030	-0.0024	0.0019
	COMB9	0.1666	0.1581	-0.0002	0.0048	0.0007	-0.0011
	COMB10	0.0717	0.0653	-0.0012	0.0026	0.0001	-0.0003
323							
	COMB1	0.1012	0.0912	-0.0021	0.0033	-0.0001	-0.0006
	COMB2	0.2954	0.2869	0.0023	0.0069	0.0017	-0.0022
	COMB3	0.3969	0.3883	0.0043	0.0089	0.0025	-0.0031
	COMB4	-0.0930	-0.1016	-0.0053	-0.0007	-0.0015	0.0010
	COMB5	0.2375	0.2289	0.0012	0.0058	0.0012	-0.0018
	COMB6	-0.0640	-0.0726	-0.0047	-0.0001	-0.0013	0.0007
	COMB7	0.3100	0.3231	0.0035	0.0076	0.0020	-0.0025
	COMB8	-0.1799	-0.1863	-0.0061	-0.0027	-0.0021	0.0016
	COMB9	0.1624	0.1538	-0.0003	0.0043	0.0006	-0.0010
	COMB10	0.0755	0.0691	-0.0011	0.0023	0.0000	-0.0003
324							
	COMB1	0.0802	0.0701	-0.0019	0.0030	-0.0001	-0.0005
	COMB2	0.2429	0.2343	0.0020	0.0062	0.0015	-0.0020
	COMB3	0.3276	0.3190	0.0037	0.0079	0.0022	-0.0027
	COMB4	-0.0813	-0.0899	-0.0047	-0.0005	-0.0014	0.0008
	COMB5	0.1945	0.1859	0.0010	0.0052	0.0010	-0.0015
	COMB6	-0.0571	-0.0657	-0.0042	0.0000	-0.0011	0.0006
	COMB7	0.2560	0.2646	0.0030	0.0068	0.0017	-0.0022
	COMB8	-0.1529	-0.1594	-0.0054	-0.0023	-0.0018	0.0014
	COMB9	0.1310	0.1224	-0.0003	0.0039	0.0005	-0.0008
	COMB10	0.0594	0.0530	-0.0010	0.0021	0.0000	-0.0003
	COMB1	0.0879	0.0778	-0.0020	0.0024	-0.0002	-0.0003

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO AS-3 (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames

ELE.	Stat.	OutputCase	P	V2	M3
Text	m	Text	Ton	Ton	Ton-m
325	0.00	COBERT	2.12E-02	4.12E-04	1.76E-04
	0.82	COBERT	2.12E-02	4.12E-04	-1.64E-04
	0.00	CORREAS	1.58E-02	-5.64E-05	-1.71E-05
	0.82	CORREAS	1.58E-02	-5.64E-05	2.93E-05
	0.00	VIVA	8.49E-02	1.65E-03	7.02E-04
	0.82	VIVA	8.49E-02	1.65E-03	-6.55E-04
	0.00	VIENTO	1.23E-01	2.38E-03	1.01E-03
	0.82	VIENTO	1.23E-01	2.38E-03	-9.47E-04
	0.00	ESPECTRO	5.27E-03	1.17E-04	4.99E-05
	0.82	ESPECTRO	5.27E-03	1.17E-04	4.62E-05
326	0.00	DEAD	2.35E-02	-1.68E-03	-2.85E-04
	0.81	DEAD	1.63E-02	1.11E-03	-5.50E-05
	0.00	COBERT	1.40E-02	3.07E-04	1.31E-04
	0.81	COBERT	1.40E-02	3.07E-04	-1.18E-04
	0.00	CORREAS	3.00E-03	-7.79E-05	-2.36E-05
	0.81	CORREAS	3.00E-03	-7.79E-05	3.96E-05
	0.00	VIVA	5.59E-02	1.23E-03	5.23E-04
	0.81	VIVA	5.59E-02	1.23E-03	-4.71E-04
	0.00	VIENTO	8.07E-02	1.77E-03	7.56E-04
	0.81	VIENTO	8.07E-02	1.77E-03	-6.81E-04
	0.00	ESPECTRO	2.74E-03	7.76E-05	3.35E-05
	0.81	ESPECTRO	2.74E-03	7.76E-05	2.95E-05
327	0.00	DEAD	2.06E-02	-1.54E-03	-2.74E-04
	0.80	DEAD	1.35E-02	9.13E-04	-2.33E-05
	0.00	COBERT	4.89E-03	2.49E-04	1.07E-04
	0.80	COBERT	4.89E-03	2.49E-04	-9.18E-05
	0.00	CORREAS	1.20E-02	-1.03E-04	-3.46E-05
	0.80	CORREAS	1.20E-02	-1.03E-04	4.76E-05
	0.00	VIVA	1.96E-02	9.97E-04	4.29E-04
	0.80	VIVA	1.96E-02	9.97E-04	-3.67E-04
	0.00	VIENTO	2.83E-02	1.44E-03	6.20E-04
	0.80	VIENTO	2.83E-02	1.44E-03	-5.30E-04
	0.00	ESPECTRO	2.14E-03	5.79E-05	2.45E-05
	0.80	ESPECTRO	2.14E-03	5.79E-05	2.20E-05
328	0.00	DEAD	1.69E-02	-1.41E-03	-2.66E-04
	0.79	DEAD	9.69E-03	7.10E-04	8.91E-06
	0.00	COBERT	-5.25E-03	1.45E-04	6.56E-05
	0.79	COBERT	-5.25E-03	1.45E-04	-4.86E-05
	0.00	CORREAS	-1.88E-03	-1.27E-04	-4.07E-05
	0.79	CORREAS	-1.88E-03	-1.27E-04	5.87E-05
	0.00	VIVA	-2.10E-02	5.82E-04	2.63E-04
	0.79	VIVA	-2.10E-02	5.82E-04	-1.94E-04
	0.00	VIENTO	-3.04E-02	8.40E-04	3.79E-04
	0.79	VIENTO	-3.04E-02	8.40E-04	-2.81E-04
	0.00	ESPECTRO	4.49E-03	5.21E-05	1.97E-05
	0.79	ESPECTRO	4.49E-03	5.21E-05	2.16E-05
329	0.00	DEAD	1.16E-02	-1.29E-03	-2.61E-04
	0.77	DEAD	4.50E-03	5.07E-04	4.06E-05
	0.00	COBERT	-1.52E-02	2.45E-05	1.87E-05
	0.77	COBERT	-1.52E-02	2.45E-05	-2.23E-07
	0.00	CORREAS	6.13E-03	-1.59E-04	-5.42E-05
	0.77	CORREAS	6.13E-03	-1.59E-04	6.83E-05
	0.00	VIVA	-6.08E-02	9.81E-05	7.49E-05
	0.77	VIVA	-6.08E-02	9.81E-05	-8.90E-07
	0.00	VIENTO	-8.78E-02	1.42E-04	1.08E-04
	0.77	VIENTO	-8.78E-02	1.42E-04	-1.29E-06
	0.00	ESPECTRO	7.38E-03	7.08E-05	2.47E-05
	0.77	ESPECTRO	7.38E-03	7.08E-05	3.02E-05
330	0.00	DEAD	4.38E-03	-1.18E-03	-2.60E-04
	0.76	DEAD	-2.70E-03	2.99E-04	7.39E-05
	0.00	COBERT	-2.49E-02	-6.11E-05	-1.59E-05
	0.76	COBERT	-2.49E-02	-6.11E-05	3.05E-05
	0.00	CORREAS	-9.62E-03	-1.91E-04	-6.34E-05
	0.76	CORREAS	-9.62E-03	-1.91E-04	8.17E-05
	0.00	VIVA	-9.98E-02	-2.44E-04	-6.37E-05
	0.76	VIVA	-9.98E-02	-2.44E-04	1.22E-04
	0.00	VIENTO	-1.44E-01	-3.53E-04	-9.20E-05
	0.76	VIENTO	-1.44E-01	-3.53E-04	1.76E-04
	0.00	ESPECTRO	1.03E-02	1.04E-04	3.65E-05
	0.76	ESPECTRO	1.03E-02	1.04E-04	4.25E-05
	0.00	DEAD	-5.71E-03	-1.10E-03	-2.65E-04

ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
325	COMB2	0.2111	0.2025	0.0009	0.0047	0.0010	-0.0013
	COMB3	0.2772	0.2685	0.0022	0.0060	0.0015	-0.0018
	COMB4	-0.0416	-0.0503	-0.0040	-0.0002	-0.0011	0.0006
	COMB5	0.1734	0.1648	0.0002	0.0039	0.0007	-0.0010
	COMB6	-0.0228	-0.0314	-0.0036	0.0001	-0.0010	0.0005
	COMB7	0.2159	0.2261	0.0018	0.0051	0.0012	-0.0015
	COMB8	-0.1029	-0.1094	-0.0044	-0.0016	-0.0014	0.0010
	COMB9	0.1230	0.1144	-0.0008	0.0030	0.0003	-0.0006
	COMB10	0.0618	0.0553	-0.0012	0.0016	-0.0001	-0.0002
326							
	COMB1	0.0567	0.0466	-0.0020	0.0019	-0.0002	-0.0002
	COMB2	0.1380	0.1293	0.0002	0.0036	0.0006	-0.0009
	COMB3	0.1814	0.1728	0.0012	0.0045	0.0010	-0.0013
	COMB4	-0.0284	-0.0370	-0.0034	-0.0001	-0.0009	0.0005
	COMB5	0.1131	0.1045	-0.0003	0.0030	0.0004	-0.0007
	COMB6	-0.0160	-0.0246	-0.0032	0.0002	-0.0008	0.0004
	COMB7	0.1413	0.1448	0.0010	0.0039	0.0008	-0.0010
	COMB8	-0.0685	-0.0750	-0.0036	-0.0011	-0.0011	0.0008
	COMB9	0.0792	0.0706	-0.0010	0.0023	0.0001	-0.0004
	COMB10	0.0392	0.0327	-0.0012	0.0013	-0.0001	-0.0001
327							
	COMB1	0.0525	0.0425	-0.0020	0.0015	-0.0003	-0.0001
	COMB2	0.0763	0.0677	-0.0001	0.0029	0.0004	-0.0007
	COMB3	0.0916	0.0829	0.0007	0.0036	0.0008	-0.0010
	COMB4	0.0181	0.0094	-0.0030	-0.0001	-0.0008	0.0004
	COMB5	0.0676	0.0590	-0.0005	0.0024	0.0003	-0.0005
	COMB6	0.0224	0.0138	-0.0028	0.0001	-0.0007	0.0003
	COMB7	0.0705	0.0731	0.0006	0.0031	0.0006	-0.0008
	COMB8	-0.0030	-0.0095	-0.0031	-0.0009	-0.0010	0.0006
	COMB9	0.0569	0.0483	-0.0011	0.0018	0.0000	-0.0002
	COMB10	0.0359	0.0294	-0.0012	0.0010	-0.0002	0.0000
328							
	COMB1	0.0136	0.0036	-0.0019	0.0010	-0.0003	0.0000
	COMB2	-0.0219	-0.0306	-0.0007	0.0018	0.0001	-0.0003
	COMB3	-0.0383	-0.0469	-0.0003	0.0023	0.0003	-0.0004
	COMB4	0.0406	0.0320	-0.0025	0.0001	-0.0007	0.0003
	COMB5	-0.0126	-0.0212	-0.0010	0.0015	0.0000	-0.0002
	COMB6	0.0360	0.0274	-0.0023	0.0002	-0.0006	0.0002
	COMB7	-0.0307	-0.0364	-0.0002	0.0020	0.0003	-0.0003
	COMB8	0.0482	0.0418	-0.0023	-0.0004	-0.0007	0.0004
	COMB9	0.0057	-0.0029	-0.0013	0.0012	-0.0001	-0.0001
	COMB10	0.0132	0.0068	-0.0012	0.0007	-0.0002	0.0000
329							
	COMB1	0.0036	-0.0064	-0.0020	0.0005	-0.0004	0.0002
	COMB2	-0.0941	-0.1027	-0.0015	0.0006	-0.0002	0.0001
	COMB3	-0.1414	-0.1499	-0.0015	0.0007	-0.0002	0.0001
	COMB4	0.0868	0.0783	-0.0018	0.0003	-0.0005	0.0001
	COMB5	-0.0671	-0.0757	-0.0016	0.0006	-0.0003	0.0001
	COMB6	0.0733	0.0648	-0.0018	0.0003	-0.0004	0.0001
	COMB7	-0.1118	-0.1196	-0.0011	0.0006	-0.0001	0.0001
	COMB8	0.1164	0.1100	-0.0015	0.0002	-0.0004	0.0001
	COMB9	-0.0199	-0.0285	-0.0016	0.0006	-0.0003	0.0002
	COMB10	0.0097	0.0033	-0.0012	0.0004	-0.0002	0.0001
330							
	COMB1	-0.0423	-0.0522	-0.0020	0.0001	-0.0005	0.0003
	COMB2	-0.1959	-0.2044	-0.0021	-0.0003	-0.0005	0.0004
	COMB3	-0.2735	-0.2820	-0.0023	-0.0005	-0.0006	0.0005
	COMB4	0.1013	0.0928	-0.0014	0.0004	-0.0003	0.0001
	COMB5	-0.1515	-0.1601	-0.0020	-0.0002	-0.0005	0.0004
	COMB6	0.0791	0.0706	-0.0014	0.0003	-0.0003	0.0001
	COMB7	-0.2146	-0.2321	-0.0017	-0.0004	-0.0004	0.0005
	COMB8	0.1603	0.1539	-0.0008	0.0005	-0.0002	-0.0001
	COMB9	-0.0759	-0.0844	-0.0017	0.0000	-0.0004	0.0003
	COMB10	-0.0169	-0.0233	-0.0012	0.0001	-0.0003	0.0002

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO AS-3 (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames

ELE.	Stat.	OutputCase	P	V2	M3
Text	m	Text	Ton	Ton	Ton-m
331	0.75	DEAD	-1.27E-02	6.75E-05	1.20E-04
	0.00	COBERT	-3.85E-02	-1.54E-04	-4.07E-05
	0.75	COBERT	-3.85E-02	-1.54E-04	7.47E-05
	0.00	CORREAS	-3.76E-03	-2.57E-04	-8.48E-05
	0.75	CORREAS	-3.76E-03	-2.57E-04	1.07E-04
	0.00	VIVA	-1.54E-01	-6.18E-04	-1.63E-04
	0.75	VIVA	-1.54E-01	-6.18E-04	2.99E-04
	0.00	VIENTO	-2.23E-01	-8.92E-04	-2.35E-04
	0.75	VIENTO	-2.23E-01	-8.92E-04	4.32E-04
	0.00	ESPECTRO	1.31E-02	1.56E-04	5.23E-05
	0.75	ESPECTRO	1.31E-02	1.56E-04	6.42E-05
332	0.00	DEAD	-1.86E-02	-6.20E-04	-1.80E-04
	0.74	DEAD	-2.22E-02	-1.81E-04	1.14E-04
	0.00	COBERT	-5.83E-02	-3.01E-04	-9.85E-05
	0.74	COBERT	-5.83E-02	-3.01E-04	1.23E-04
	0.00	CORREAS	-2.20E-02	-2.22E-04	-7.47E-05
	0.74	CORREAS	-2.20E-02	-2.22E-04	8.83E-05
	0.00	VIVA	-2.33E-01	-1.20E-03	-3.94E-04
	0.74	VIVA	-2.33E-01	-1.20E-03	4.92E-04
	0.00	VIENTO	-3.37E-01	-1.74E-03	-5.69E-04
	0.74	VIENTO	-3.37E-01	-1.74E-03	7.11E-04
	0.00	ESPECTRO	1.53E-02	1.43E-04	4.89E-05
	0.74	ESPECTRO	1.53E-02	1.43E-04	5.64E-05
333	0.00	DEAD	-3.14E-02	-7.51E-04	-2.35E-04
	0.72	DEAD	-3.49E-02	-4.62E-04	2.04E-04
	0.00	COBERT	-8.00E-02	-6.38E-04	-2.19E-04
	0.72	COBERT	-8.00E-02	-6.38E-04	2.43E-04
	0.00	CORREAS	-1.89E-02	-3.46E-04	-1.17E-04
	0.72	CORREAS	-1.89E-02	-3.46E-04	1.33E-04
	0.00	VIVA	-3.20E-01	-2.55E-03	-8.75E-04
	0.72	VIVA	-3.20E-01	-2.55E-03	9.72E-04
	0.00	VIENTO	-4.62E-01	-3.69E-03	-1.26E-03
	0.72	VIENTO	-4.62E-01	-3.69E-03	1.40E-03
	0.00	ESPECTRO	1.73E-02	1.97E-04	7.09E-05
	0.72	ESPECTRO	1.73E-02	1.97E-04	7.16E-05
334	0.00	DEAD	-4.48E-02	-1.98E-04	-1.07E-04
	0.71	DEAD	-4.82E-02	-5.56E-05	-1.70E-05
	0.00	COBERT	-9.41E-02	-8.55E-04	-3.11E-04
	0.71	COBERT	-9.41E-02	-8.55E-04	2.97E-04
	0.00	CORREAS	-4.01E-02	-1.95E-04	-6.76E-05
	0.71	CORREAS	-4.01E-02	-1.95E-04	7.13E-05
	0.00	VIVA	-3.76E-01	-3.42E-03	-1.24E-03
	0.71	VIVA	-3.76E-01	-3.42E-03	1.19E-03
	0.00	VIENTO	-5.44E-01	-4.94E-03	-1.80E-03
	0.71	VIENTO	-5.44E-01	-4.94E-03	1.72E-03
	0.00	ESPECTRO	2.09E-02	1.94E-04	5.06E-05
	0.71	ESPECTRO	2.09E-02	1.94E-04	8.87E-05
1440	0.00	DEAD	-2.05E-03	-5.31E-03	-1.15E-03
	1.00	DEAD	-7.31E-03	2.63E-03	1.89E-04
	0.00	COBERT	-1.75E-02	-2.50E-05	-2.20E-05
	1.00	COBERT	-1.75E-02	-2.50E-05	3.04E-06
	0.00	CORREAS	-8.59E-04	-3.45E-04	-1.54E-04
	1.00	CORREAS	-8.59E-04	-3.45E-04	1.91E-04
	0.00	VIVA	-7.00E-02	-1.00E-04	-8.79E-05
	1.00	VIVA	-7.00E-02	-1.00E-04	1.22E-05
	0.00	VIENTO	-1.01E-01	-1.45E-04	-1.27E-04
	1.00	VIENTO	-1.01E-01	-1.45E-04	1.76E-05
	0.00	ESPECTRO	3.20E-04	1.09E-04	4.75E-05
	1.00	ESPECTRO	3.20E-04	1.09E-04	6.10E-05
1441	0.00	DEAD	-1.35E-01	-5.58E-03	-1.40E-03
	0.99	DEAD	-1.41E-01	2.05E-03	3.44E-04
	0.00	COBERT	-2.77E-03	-1.82E-04	-1.04E-04
	0.99	COBERT	-2.77E-03	-1.82E-04	7.64E-05
	0.00	CORREAS	-5.68E-02	-7.47E-04	-3.64E-04
	0.99	CORREAS	-5.68E-02	-7.47E-04	3.75E-04
	0.00	VIVA	-1.11E-02	-7.29E-04	-4.16E-04
	0.99	VIVA	-1.11E-02	-7.29E-04	3.05E-04
	0.00	VIENTO	-1.60E-02	-1.05E-03	-6.00E-04
	0.99	VIENTO	-1.60E-02	-1.05E-03	4.41E-04
	0.00	ESPECTRO	2.33E-02	2.04E-04	9.53E-05
	0.99	ESPECTRO	2.33E-02	2.04E-04	1.07E-04

ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
331	COMB1	-0.0672	-0.0771	-0.0021	-0.0005	-0.0005	0.0004
	COMB2	-0.3043	-0.3128	-0.0028	-0.0014	-0.0007	0.0008
	COMB3	-0.4243	-0.4327	-0.0033	-0.0019	-0.0009	0.0011
	COMB4	0.1549	0.1464	-0.0010	0.0004	-0.0002	0.0000
	COMB5	-0.2358	-0.2443	-0.0025	-0.0011	-0.0007	0.0007
	COMB6	0.1206	0.1122	-0.0011	0.0003	-0.0003	0.0000
	COMB7	-0.3328	-0.3556	-0.0025	-0.0016	-0.0007	0.0009
	COMB8	0.2464	0.2400	-0.0002	0.0009	0.0000	-0.0003
	COMB9	-0.1217	-0.1301	-0.0020	-0.0006	-0.0005	0.0006
	COMB10	-0.0302	-0.0365	-0.0012	-0.0002	-0.0003	0.0003
332							
	COMB1	-0.1385	-0.1434	-0.0016	-0.0010	-0.0005	0.0005
	COMB2	-0.4915	-0.4958	-0.0033	-0.0028	-0.0011	0.0012
	COMB3	-0.6729	-0.6771	-0.0042	-0.0037	-0.0014	0.0016
	COMB4	0.2025	0.1982	0.0003	0.0008	0.0001	-0.0003
	COMB5	-0.3880	-0.3923	-0.0028	-0.0022	-0.0009	0.0010
	COMB6	0.1506	0.1464	0.0000	0.0005	0.0000	-0.0002
	COMB7	-0.5267	-0.5606	-0.0033	-0.0031	-0.0011	0.0013
	COMB8	0.3486	0.3455	0.0012	0.0016	0.0004	-0.0006
	COMB9	-0.2199	-0.2241	-0.0018	-0.0013	-0.0006	0.0007
	COMB10	-0.0737	-0.0769	-0.0009	-0.0005	-0.0003	0.0003
333							
	COMB1	-0.1824	-0.1873	-0.0024	-0.0020	-0.0008	0.0008
	COMB2	-0.6682	-0.6725	-0.0062	-0.0058	-0.0021	0.0023
	COMB3	-0.9172	-0.9214	-0.0082	-0.0078	-0.0028	0.0030
	COMB4	0.2845	0.2803	0.0014	0.0018	0.0005	-0.0006
	COMB5	-0.5261	-0.5303	-0.0050	-0.0047	-0.0017	0.0018
	COMB6	0.2134	0.2092	0.0009	0.0012	0.0003	-0.0004
	COMB7	-0.7181	-0.7614	-0.0064	-0.0065	-0.0022	0.0025
	COMB8	0.4836	0.4804	0.0032	0.0035	0.0011	-0.0013
	COMB9	-0.2990	-0.3032	-0.0032	-0.0028	-0.0011	0.0013
	COMB10	-0.0999	-0.1031	-0.0014	-0.0011	-0.0004	0.0006
334							
	COMB1	-0.2505	-0.2553	-0.0017	-0.0015	-0.0007	0.0005
	COMB2	-0.8167	-0.8209	-0.0070	-0.0068	-0.0026	0.0023
	COMB3	-1.1095	-1.1137	-0.0096	-0.0095	-0.0035	0.0032
	COMB4	0.3038	0.2997	0.0032	0.0034	0.0011	-0.0012
	COMB5	-0.6496	-0.6537	-0.0054	-0.0053	-0.0020	0.0018
	COMB6	0.2202	0.2160	0.0025	0.0026	0.0009	-0.0010
	COMB7	-0.8677	-0.9255	-0.0075	-0.0077	-0.0028	0.0027
	COMB8	0.5456	0.5425	0.0053	0.0054	0.0019	-0.0019
	COMB9	-0.3819	-0.3861	-0.0030	-0.0028	-0.0012	0.0011
	COMB10	-0.1401	-0.1432	-0.0009	-0.0008	-0.0004	0.0004
1440							
	COMB1	-0.0286	-0.0359	-0.0080	0.0032	-0.0019	0.0005
	COMB2	-0.1366	-0.1429	-0.0070	0.0026	-0.0017	0.0005
	COMB3	-0.1910	-0.1973	-0.0071	0.0025	-0.0018	0.0005
	COMB4	0.0720	0.0657	-0.0067	0.0028	-0.0015	0.0004
	COMB5	-0.1054	-0.1117	-0.0069	0.0026	-0.0017	0.0005
	COMB6	0.0564	0.0501	-0.0067	0.0028	-0.0015	0.0004
	COMB7	-0.1499	-0.1623	-0.0053	0.0025	-0.0014	0.0005
	COMB8	0.1131	0.1084	-0.0049	0.0022	-0.0010	0.0003
	COMB9	-0.0592	-0.0655	-0.0068	0.0028	-0.0016	0.0005
	COMB10	-0.0181	-0.0228	-0.0050	0.0021	-0.0011	0.0004
1441							
	COMB1	-0.2725	-0.2803	-0.0091	0.0016	-0.0026	0.0011
	COMB2	-0.2513	-0.2579	-0.0090	0.0002	-0.0029	0.0014
	COMB3	-0.2599	-0.2666	-0.0095	-0.0004	-0.0032	0.0017
	COMB4	-0.2183	-0.2250	-0.0068	0.0024	-0.0017	0.0005
	COMB5	-0.2464	-0.2530	-0.0086	0.0005	-0.0027	0.0013
	COMB6	-0.2208	-0.2274	-0.0070	0.0022	-0.0018	0.0006
	COMB7	-0.1960	-0.2610	-0.0072	0.0000	-0.0025	0.0015
	COMB8	-0.1544	-0.1594	-0.0045	0.0024	-0.0009	0.0001
	COMB9	-0.2159	-0.2225	-0.0080	0.0012	-0.0024	0.0012
	COMB10	-0.1519	-0.1569	-0.0057	0.0012	-0.0016	0.0008

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO AS-3 (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames

ELE.	Stat.	OutputCase	P	V2	M3
Text	m	Text	Ton	Ton	Ton-m
1442	0.00	DEAD	-1.12E-01	-5.30E-03	-1.33E-03
	0.98	DEAD	-1.18E-01	2.01E-03	2.78E-04
	0.00	COBERT	8.68E-03	-4.09E-05	-3.16E-05
	0.98	COBERT	8.68E-03	-4.09E-05	8.35E-06
	0.00	CORREAS	-3.89E-02	-6.33E-04	-3.15E-04
	0.98	CORREAS	-3.89E-02	-6.33E-04	3.04E-04
	0.00	VIVA	3.47E-02	-1.64E-04	-1.26E-04
	0.98	VIVA	3.47E-02	-1.64E-04	3.34E-05
	0.00	VIENTO	5.01E-02	-2.36E-04	-1.83E-04
	0.98	VIENTO	5.01E-02	-2.36E-04	4.82E-05
	0.00	ESPECTRO	2.35E-02	2.16E-04	1.05E-04
	0.98	ESPECTRO	2.35E-02	2.16E-04	1.06E-04
1443	0.00	DEAD	-8.85E-02	-4.93E-03	-1.19E-03
	0.96	DEAD	-9.45E-02	2.05E-03	1.98E-04
	0.00	COBERT	1.96E-02	6.23E-05	1.68E-05
	0.96	COBERT	1.96E-02	6.23E-05	-4.33E-05
	0.00	CORREAS	-3.57E-02	-5.42E-04	-2.67E-04
	0.96	CORREAS	-3.57E-02	-5.42E-04	2.56E-04
	0.00	VIVA	7.84E-02	2.49E-04	6.71E-05
	0.96	VIVA	7.84E-02	2.49E-04	-1.73E-04
	0.00	VIENTO	1.13E-01	3.60E-04	9.70E-05
	0.96	VIENTO	1.13E-01	3.60E-04	-2.50E-04
	0.00	ESPECTRO	2.34E-02	2.16E-04	1.03E-04
	0.96	ESPECTRO	2.34E-02	2.16E-04	1.05E-04
1444	0.00	DEAD	-6.60E-02	-4.57E-03	-1.07E-03
	0.95	DEAD	-7.21E-02	2.07E-03	1.22E-04
	0.00	COBERT	2.86E-02	1.76E-04	6.99E-05
	0.95	COBERT	2.86E-02	1.76E-04	-9.77E-05
	0.00	CORREAS	-1.70E-02	-4.48E-04	-2.21E-04
	0.95	CORREAS	-1.70E-02	-4.48E-04	2.06E-04
	0.00	VIVA	1.14E-01	7.04E-04	2.79E-04
	0.95	VIVA	1.14E-01	7.04E-04	-3.91E-04
	0.00	VIENTO	1.65E-01	1.02E-03	4.04E-04
	0.95	VIENTO	1.65E-01	1.02E-03	-5.65E-04
	0.00	ESPECTRO	2.34E-02	2.17E-04	1.03E-04
	0.95	ESPECTRO	2.34E-02	2.17E-04	1.04E-04
1445	0.00	DEAD	-4.40E-02	-4.21E-03	-9.45E-04
	0.94	DEAD	-5.03E-02	2.09E-03	4.99E-05
	0.00	COBERT	3.61E-02	2.73E-04	1.14E-04
	0.94	COBERT	3.61E-02	2.73E-04	-1.43E-04
	0.00	CORREAS	-1.52E-02	-3.52E-04	-1.73E-04
	0.94	CORREAS	-1.52E-02	-3.52E-04	1.57E-04
	0.00	VIVA	1.44E-01	1.09E-03	4.55E-04
	0.94	VIVA	1.44E-01	1.09E-03	-5.71E-04
	0.00	VIENTO	2.09E-01	1.58E-03	6.58E-04
	0.94	VIENTO	2.09E-01	1.58E-03	-8.25E-04
	0.00	ESPECTRO	2.33E-02	2.18E-04	1.02E-04
	0.94	ESPECTRO	2.33E-02	2.18E-04	1.03E-04
1446	0.00	DEAD	-2.26E-02	-3.84E-03	-8.22E-04
	0.93	DEAD	-2.92E-02	2.11E-03	-2.42E-05
	0.00	COBERT	4.29E-02	3.66E-04	1.54E-04
	0.93	COBERT	4.29E-02	3.66E-04	-1.85E-04
	0.00	CORREAS	3.56E-03	-2.55E-04	-1.28E-04
	0.93	CORREAS	3.56E-03	-2.55E-04	1.08E-04
	0.00	VIVA	1.72E-01	1.46E-03	6.16E-04
	0.93	VIVA	1.72E-01	1.46E-03	-7.40E-04
	0.00	VIENTO	2.48E-01	2.11E-03	8.90E-04
	0.93	VIENTO	2.48E-01	2.11E-03	-1.07E-03
	0.00	ESPECTRO	2.30E-02	2.21E-04	1.02E-04
	0.93	ESPECTRO	2.30E-02	2.21E-04	1.03E-04
1447	0.00	DEAD	-2.08E-03	-3.50E-03	-7.15E-04
	0.91	DEAD	-8.74E-03	2.10E-03	-7.70E-05
	0.00	COBERT	4.93E-02	4.06E-04	1.73E-04
	0.91	COBERT	4.93E-02	4.06E-04	-1.98E-04
	0.00	CORREAS	4.09E-03	-1.83E-04	-9.23E-05
	0.91	CORREAS	4.09E-03	-1.83E-04	7.53E-05
	0.00	VIVA	1.97E-01	1.62E-03	6.92E-04
	0.91	VIVA	1.97E-01	1.62E-03	-7.93E-04
	0.00	VIENTO	2.85E-01	2.35E-03	1.00E-03
	0.91	VIENTO	2.85E-01	2.35E-03	-1.15E-03
	0.00	ESPECTRO	2.25E-02	2.11E-04	9.72E-05

ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
1442							
	COMB1	-0.1988	-0.2069	-0.0084	0.0019	-0.0023	0.0008
	COMB2	-0.1149	-0.1218	-0.0074	0.0013	-0.0022	0.0008
	COMB3	-0.0879	-0.0948	-0.0076	0.0012	-0.0023	0.0008
	COMB4	-0.2182	-0.2251	-0.0069	0.0018	-0.0018	0.0007
	COMB5	-0.1303	-0.1372	-0.0074	0.0014	-0.0022	0.0007
	COMB6	-0.2105	-0.2174	-0.0070	0.0018	-0.0019	0.0007
	COMB7	-0.0626	-0.1121	-0.0057	0.0013	-0.0017	0.0008
	COMB8	-0.1930	-0.1982	-0.0051	0.0015	-0.0013	0.0005
	COMB9	-0.1296	-0.1365	-0.0070	0.0017	-0.0020	0.0008
	COMB10	-0.1043	-0.1095	-0.0052	0.0014	-0.0014	0.0006
1443							
	COMB1	-0.1464	-0.1548	-0.0076	0.0022	-0.0020	0.0006
	COMB2	0.0000	-0.0072	-0.0061	0.0023	-0.0016	0.0002
	COMB3	0.0610	0.0538	-0.0059	0.0025	-0.0016	0.0001
	COMB4	-0.2336	-0.2408	-0.0068	0.0015	-0.0018	0.0007
	COMB5	-0.0349	-0.0420	-0.0062	0.0022	-0.0017	0.0003
	COMB6	-0.2162	-0.2233	-0.0068	0.0016	-0.0018	0.0007
	COMB7	0.0532	0.0146	-0.0044	0.0023	-0.0012	0.0002
	COMB8	-0.2414	-0.2468	-0.0053	0.0009	-0.0014	0.0007
	COMB9	-0.0629	-0.0700	-0.0061	0.0022	-0.0016	0.0005
	COMB10	-0.0707	-0.0761	-0.0047	0.0016	-0.0012	0.0005
1444							
	COMB1	-0.0762	-0.0849	-0.0068	0.0025	-0.0017	0.0003
	COMB2	0.1175	0.1101	-0.0047	0.0033	-0.0010	-0.0003
	COMB3	0.2064	0.1990	-0.0041	0.0038	-0.0008	-0.0007
	COMB4	-0.2228	-0.2302	-0.0068	0.0012	-0.0018	0.0008
	COMB5	0.0667	0.0593	-0.0050	0.0030	-0.0011	-0.0002
	COMB6	-0.1974	-0.2048	-0.0066	0.0013	-0.0018	0.0007
	COMB7	0.1656	0.1419	-0.0030	0.0035	-0.0006	-0.0005
	COMB8	-0.2636	-0.2691	-0.0057	0.0003	-0.0016	0.0009
	COMB9	0.0152	0.0078	-0.0052	0.0027	-0.0012	0.0002
	COMB10	-0.0256	-0.0311	-0.0041	0.0018	-0.0010	0.0003
1445							
	COMB1	-0.0322	-0.0411	-0.0060	0.0028	-0.0014	0.0001
	COMB2	0.2034	0.1957	-0.0034	0.0042	-0.0005	-0.0008
	COMB3	0.3157	0.3081	-0.0025	0.0050	-0.0001	-0.0013
	COMB4	-0.2266	-0.2342	-0.0066	0.0009	-0.0018	0.0009
	COMB5	0.1392	0.1316	-0.0039	0.0037	-0.0007	-0.0006
	COMB6	-0.1945	-0.2021	-0.0064	0.0012	-0.0017	0.0007
	COMB7	0.2504	0.2359	-0.0018	0.0045	0.0000	-0.0010
	COMB8	-0.2919	-0.2976	-0.0059	-0.0002	-0.0018	0.0011
	COMB9	0.0678	0.0602	-0.0044	0.0032	-0.0009	-0.0001
	COMB10	0.0025	-0.0032	-0.0036	0.0020	-0.0008	0.0002
1446							
	COMB1	0.0334	0.0242	-0.0052	0.0031	-0.0011	-0.0001
	COMB2	0.3033	0.2954	-0.0021	0.0050	0.0000	-0.0013
	COMB3	0.4368	0.4290	-0.0010	0.0061	0.0005	-0.0019
	COMB4	-0.2080	-0.2158	-0.0065	0.0007	-0.0018	0.0009
	COMB5	0.2270	0.2192	-0.0028	0.0044	-0.0002	-0.0010
	COMB6	-0.1698	-0.1776	-0.0062	0.0010	-0.0017	0.0007
	COMB7	0.3439	0.3432	-0.0006	0.0054	0.0004	-0.0015
	COMB8	-0.3009	-0.3068	-0.0061	-0.0007	-0.0019	0.0013
	COMB9	0.1374	0.1296	-0.0035	0.0036	-0.0005	-0.0004
	COMB10	0.0444	0.0386	-0.0031	0.0022	-0.0006	0.0000
1447							
	COMB1	0.0718	0.0625	-0.0046	0.0033	-0.0009	-0.0003
	COMB2	0.3768	0.3688	-0.0013	0.0054	0.0003	-0.0015
	COMB3	0.5301	0.5221	-0.0001	0.0067	0.0009	-0.0021
	COMB4	-0.2100	-0.2180	-0.0062	0.0006	-0.0017	0.0009
	COMB5	0.2893	0.2813	-0.0021	0.0047	0.0000	-0.0012
	COMB6	-0.1662	-0.1742	-0.0058	0.0009	-0.0016	0.0007
	COMB7	0.4162	0.4236	0.0001	0.0058	0.0007	-0.0017
	COMB8	-0.3239	-0.3299	-0.0060	-0.0010	-0.0019	0.0013
	COMB9	0.1825	0.1745	-0.0029	0.0038	-0.0003	-0.0005
	COMB10	0.0686	0.0626	-0.0027	0.0023	-0.0005	-0.0001

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO AS-3 (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames													
ELE.	Stat.	OutputCase	P	V2	M3	ELE.	COMB	Pu_1	Pu_2	$V2_1$	$V2_2$	Mu_1	Mu_2
Text	m	Text	Ton	Ton	Ton-m			(Ton)	(Ton)	(Ton)	(Ton)	(Ton.m)	(Ton.m)
	0.91	ESPECTRO	2.25E-02	2.11E-04	9.55E-05								
	0.00	DEAD	1.70E-02	-2.93E-03	-5.17E-04								
	0.90	DEAD	1.02E-02	2.31E-03	-2.38E-04		COMB1	0.1306	0.1211	-0.0030	0.0044	-0.0003	-0.0009
	0.00	COBERT	5.41E-02	7.38E-04	3.12E-04		COMB2	0.4584	0.4503	0.0022	0.0085	0.0018	-0.0030
	0.90	COBERT	5.41E-02	7.38E-04	-3.54E-04		COMB3	0.6269	0.6188	0.0045	0.0108	0.0027	-0.0041
	0.00	CORREAS	2.21E-02	6.69E-05	1.55E-05		COMB4	-0.1865	-0.1946	-0.0066	-0.0003	-0.0019	0.0012
1448	0.90	CORREAS	2.21E-02	6.69E-05	-4.48E-05	1448	COMB5	0.3622	0.3541	0.0009	0.0072	0.0012	-0.0024
	0.00	VIVA	2.17E-01	2.95E-03	1.25E-03		COMB6	-0.1383	-0.1465	-0.0060	0.0003	-0.0017	0.0009
	0.90	VIVA	2.17E-01	2.95E-03	-1.42E-03		COMB7	0.4907	0.5105	0.0036	0.0093	0.0022	-0.0034
	0.00	VIENTO	3.13E-01	4.27E-03	1.80E-03		COMB8	-0.3227	-0.3288	-0.0075	-0.0027	-0.0025	0.0021
	0.90	VIENTO	3.13E-01	4.27E-03	-2.05E-03		COMB9	0.2417	0.2336	-0.0008	0.0055	0.0005	-0.0013
	0.00	ESPECTRO	2.15E-02	2.82E-04	1.25E-04		COMB10	0.1055	0.0994	-0.0016	0.0031	0.0000	-0.0004
	0.90	ESPECTRO	2.15E-02	2.82E-04	1.30E-04								
	0.00	DEAD	3.83E-02	-2.20E-03	-2.37E-04								
	0.89	DEAD	3.14E-02	2.69E-03	-4.55E-04		COMB1	0.1627	0.1530	-0.0010	0.0059	0.0006	-0.0016
	0.00	COBERT	5.75E-02	1.13E-03	4.90E-04		COMB2	0.5076	0.4993	0.0064	0.0123	0.0036	-0.0047
	0.89	COBERT	5.75E-02	1.13E-03	-5.17E-04		COMB3	0.6867	0.6784	0.0099	0.0158	0.0051	-0.0063
	0.00	CORREAS	2.04E-02	3.54E-04	1.49E-04		COMB4	-0.1777	-0.1859	-0.0071	-0.0012	-0.0022	0.0015
1449	0.89	CORREAS	2.04E-02	3.54E-04	-1.66E-04	1449	COMB5	0.4054	0.3971	0.0044	0.0103	0.0028	-0.0038
	0.00	VIVA	2.30E-01	4.53E-03	1.96E-03		COMB6	-0.1265	-0.1348	-0.0061	-0.0002	-0.0018	0.0010
	0.89	VIVA	2.30E-01	4.53E-03	-2.07E-03		COMB7	0.5367	0.5633	0.0079	0.0135	0.0040	-0.0052
	0.00	VIENTO	3.32E-01	6.55E-03	2.83E-03		COMB8	-0.3276	-0.3338	-0.0092	-0.0048	-0.0033	0.0029
	0.89	VIENTO	3.32E-01	6.55E-03	-2.99E-03		COMB9	0.2749	0.2666	0.0018	0.0076	0.0016	-0.0022
	0.00	ESPECTRO	2.04E-02	3.48E-04	1.54E-04		COMB10	0.1250	0.1187	-0.0003	0.0041	0.0005	-0.0009
	0.89	ESPECTRO	2.04E-02	3.48E-04	1.55E-04								
	0.00	DEAD	5.87E-02	-1.67E-03	-6.20E-05								
	0.88	DEAD	5.17E-02	2.86E-03	-5.85E-04		COMB1	0.2200	0.2102	0.0000	0.0063	0.0009	-0.0019
	0.00	COBERT	6.06E-02	1.17E-03	4.98E-04		COMB2	0.5765	0.5681	0.0075	0.0129	0.0039	-0.0050
	0.88	COBERT	6.06E-02	1.17E-03	-5.29E-04		COMB3	0.7651	0.7567	0.0111	0.0166	0.0055	-0.0066
	0.00	CORREAS	3.78E-02	4.78E-04	1.97E-04		COMB4	-0.1455	-0.1539	-0.0065	-0.0010	-0.0020	0.0013
1450	0.88	CORREAS	3.78E-02	4.78E-04	-2.22E-04	1450	COMB5	0.4688	0.4604	0.0054	0.0108	0.0031	-0.0040
	0.00	VIVA	2.42E-01	4.69E-03	1.99E-03		COMB6	-0.0916	-0.1000	-0.0054	0.0000	-0.0015	0.0008
	0.88	VIVA	2.42E-01	4.69E-03	-2.12E-03		COMB7	0.5967	0.6355	0.0088	0.0142	0.0043	-0.0056
	0.00	VIENTO	3.50E-01	6.78E-03	2.88E-03		COMB8	-0.3139	-0.3202	-0.0088	-0.0047	-0.0032	0.0028
	0.88	VIENTO	3.50E-01	6.78E-03	-3.06E-03		COMB9	0.3288	0.3204	0.0026	0.0081	0.0019	-0.0025
	0.00	ESPECTRO	1.91E-02	3.23E-04	1.41E-04		COMB10	0.1605	0.1542	0.0003	0.0044	0.0007	-0.0011
	0.88	ESPECTRO	1.91E-02	3.23E-04	1.42E-04								
	0.00	DEAD	7.73E-02	-1.12E-03	1.20E-04								
	0.86	DEAD	7.03E-02	3.06E-03	-7.18E-04		COMB1	0.2432	0.2333	0.0011	0.0069	0.0013	-0.0022
	0.00	COBERT	6.23E-02	1.25E-03	5.25E-04		COMB2	0.6075	0.5990	0.0089	0.0139	0.0044	-0.0054
	0.86	COBERT	6.23E-02	1.25E-03	-5.55E-04		COMB3	0.8016	0.7931	0.0128	0.0178	0.0061	-0.0071
	0.00	CORREAS	3.41E-02	6.21E-04	2.57E-04		COMB4	-0.1352	-0.1437	-0.0060	-0.0010	-0.0018	0.0012
1451	0.86	CORREAS	3.41E-02	6.21E-04	-2.79E-04	1451	COMB5	0.4967	0.4882	0.0067	0.0117	0.0035	-0.0044
	0.00	VIVA	2.49E-01	5.01E-03	2.10E-03		COMB6	-0.0797	-0.0882	-0.0049	0.0001	-0.0013	0.0007
	0.86	VIVA	2.49E-01	5.01E-03	-2.22E-03		COMB7	0.6247	0.6684	0.0101	0.0153	0.0048	-0.0060
	0.00	VIENTO	3.60E-01	7.23E-03	3.04E-03		COMB8	-0.3120	-0.3184	-0.0087	-0.0050	-0.0031	0.0028
	0.86	VIENTO	3.60E-01	7.23E-03	-3.20E-03		COMB9	0.3505	0.3420	0.0037	0.0087	0.0023	-0.0028
	0.00	ESPECTRO	1.73E-02	3.04E-04	1.31E-04		COMB10	0.1736	0.1673	0.0010	0.0047	0.0009	-0.0013
	0.86	ESPECTRO	1.73E-02	3.04E-04	1.31E-04								
	0.00	DEAD	9.41E-02	-6.06E-04	2.83E-04								
	0.85	DEAD	8.70E-02	3.22E-03	-8.30E-04		COMB1	0.2898	0.2799	0.0020	0.0074	0.0016	-0.0024
	0.00	COBERT	6.30E-02	1.30E-03	5.37E-04		COMB2	0.6518	0.6432	0.0100	0.0146	0.0048	-0.0057
	0.85	COBERT	6.30E-02	1.30E-03	-5.64E-04		COMB3	0.8479	0.8393	0.0140	0.0186	0.0065	-0.0074
	0.00	CORREAS	4.99E-02	7.36E-04	3.01E-04		COMB4	-0.0989	-0.1075	-0.0054	-0.0008	-0.0016	0.0010
1452	0.85	CORREAS	4.99E-02	7.36E-04	-3.25E-04	1452	COMB5	0.5398	0.5312	0.0077	0.0123	0.0038	-0.0047
	0.00	VIVA	2.52E-01	5.18E-03	2.15E-03		COMB6	-0.0429	-0.0515	-0.0043	0.0003	-0.0011	0.0005
	0.85	VIVA	2.52E-01	5.18E-03	-2.26E-03		COMB7	0.6597	0.7133	0.0110	0.0160	0.0050	-0.0063
	0.00	VIENTO	3.64E-01	7.49E-03	3.10E-03		COMB8	-0.2871	-0.2935	-0.0085	-0.0050	-0.0030	0.0027
	0.85	VIENTO	3.64E-01	7.49E-03	-3.26E-03		COMB9	0.3896	0.3810	0.0046	0.0092	0.0025	-0.0031
	0.00	ESPECTRO	1.51E-02	2.73E-04	1.17E-04		COMB10	0.2014	0.1950	0.0016	0.0050	0.0011	-0.0014
	0.85	ESPECTRO	1.51E-02	2.73E-04	1.16E-04								
	0.00	DEAD	1.09E-01	-9.12E-06	4.69E-04								
	0.84	DEAD	1.01E-01	3.47E-03	-9.80E-04		COMB1	0.3001	0.2901	0.0032	0.0080	0.0019	-0.0027
	0.00	COBERT	6.23E-02	1.38E-03	5.61E-04		COMB2	0.6561	0.6475	0.0115	0.0157	0.0053	-0.0061
	0.84	COBERT	6.23E-02	1.38E-03	-5.92E-04		COMB3	0.8501	0.8415	0.0158	0.0200	0.0070	-0.0080
	0.00	CORREAS	4.34E-02	8.96E-04	3.62E-04		COMB4	-0.0863	-0.0949	-0.0049	-0.0007	-0.0014	0.0009
1453	0.84	CORREAS	4.34E-02	8.96E-04	-3.88E-04	1453	COMB5	0.5453	0.5367	0.0091	0.0133	0.0043	-0.0051
	0.00	VIVA	2.49E-01	5.51E-03	2.25E-03		COMB6	-0.0309	-0.0395	-0.0037	0.0005	-0.0009	0.0004
	0.84	VIVA	2.49E-01	5.51E-03	-2.37E-03		COMB7	0.6611	0.7168	0.0124	0.0172	0.0055	-0.0068
	0.00	VIENTO	3.60E-01	7.97E-03	3.24E-03		COMB8	-0.2753	-0.2817	-0.0083	-0.0052	-0.0030	0.0027
	0.84	VIENTO	3.60E-01	7.97E-03	-3.42E-03		COMB9	0.3944	0.3857	0.0057	0.0099	0.0029	-0.0034

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO AS-3 (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames

ELE.	Stat.	OutputCase	P	V2	M3
Text	m	Text	Ton	Ton	Ton-m
	0.00	ESPECTRO	1.25E-02	2.39E-04	1.01E-04
	0.84	ESPECTRO	1.25E-02	2.39E-04	9.93E-05
	0.00	DEAD	1.22E-01	-1.45E-04	3.71E-04
	0.82	DEAD	1.15E-01	2.99E-03	-8.01E-04
	0.00	COBERT	6.06E-02	1.10E-03	4.46E-04
	0.82	COBERT	6.06E-02	1.10E-03	-4.56E-04
	0.00	CORREAS	5.78E-02	6.60E-04	2.67E-04
	0.82	CORREAS	5.78E-02	6.60E-04	-2.77E-04
1454	0.00	VIVA	2.43E-01	4.38E-03	1.79E-03
	0.82	VIVA	2.43E-01	4.38E-03	-1.83E-03
	0.00	VIENTO	3.50E-01	6.33E-03	2.58E-03
	0.82	VIENTO	3.50E-01	6.33E-03	-2.64E-03
	0.00	ESPECTRO	9.55E-03	1.66E-04	7.11E-05
	0.82	ESPECTRO	9.55E-03	1.66E-04	6.57E-05
	0.00	DEAD	1.30E-01	-4.84E-04	1.54E-04
	0.81	DEAD	1.23E-01	2.31E-03	-5.84E-04
	0.00	COBERT	5.72E-02	7.99E-04	3.12E-04
	0.81	COBERT	5.72E-02	7.99E-04	-3.36E-04
	0.00	CORREAS	4.94E-02	4.43E-04	1.68E-04
	0.81	CORREAS	4.94E-02	4.43E-04	-1.91E-04
1455	0.00	VIVA	2.29E-01	3.20E-03	1.25E-03
	0.81	VIVA	2.29E-01	3.20E-03	-1.35E-03
	0.00	VIENTO	3.31E-01	4.62E-03	1.80E-03
	0.81	VIENTO	3.31E-01	4.62E-03	-1.94E-03
	0.00	ESPECTRO	5.88E-03	1.09E-04	4.74E-05
	0.81	ESPECTRO	5.88E-03	1.09E-04	4.14E-05
	0.00	DEAD	1.34E-01	-8.07E-05	2.72E-04
	0.80	DEAD	1.26E-01	2.37E-03	-6.43E-04
	0.00	COBERT	5.06E-02	8.43E-04	3.29E-04
	0.80	COBERT	5.06E-02	8.43E-04	-3.44E-04
	0.00	CORREAS	6.11E-02	5.32E-04	2.03E-04
	0.80	CORREAS	6.11E-02	5.32E-04	-2.22E-04
1456	0.00	VIVA	2.02E-01	3.37E-03	1.32E-03
	0.80	VIVA	2.02E-01	3.37E-03	-1.38E-03
	0.00	VIENTO	2.93E-01	4.87E-03	1.90E-03
	0.80	VIENTO	2.93E-01	4.87E-03	-1.99E-03
	0.00	ESPECTRO	1.99E-03	7.56E-05	3.33E-05
	0.80	ESPECTRO	1.99E-03	7.56E-05	2.77E-05
	0.00	DEAD	1.34E-01	1.68E-04	3.17E-04
	0.79	DEAD	1.27E-01	2.29E-03	-6.48E-04
	0.00	COBERT	4.26E-02	7.83E-04	3.01E-04
	0.79	COBERT	4.26E-02	7.83E-04	-3.14E-04
	0.00	CORREAS	4.91E-02	5.60E-04	2.13E-04
	0.79	CORREAS	4.91E-02	5.60E-04	-2.27E-04
1457	0.00	VIVA	1.70E-01	3.13E-03	1.20E-03
	0.79	VIVA	1.70E-01	3.13E-03	-1.26E-03
	0.00	VIENTO	2.46E-01	4.53E-03	1.74E-03
	0.79	VIENTO	2.46E-01	4.53E-03	-1.82E-03
	0.00	ESPECTRO	3.15E-03	4.48E-05	1.80E-05
	0.79	ESPECTRO	3.15E-03	4.48E-05	1.87E-05
	0.00	DEAD	1.32E-01	4.02E-04	3.57E-04
	0.77	DEAD	1.25E-01	2.20E-03	-6.47E-04
	0.00	COBERT	3.42E-02	7.08E-04	2.68E-04
	0.77	COBERT	3.42E-02	7.08E-04	-2.78E-04
	0.00	CORREAS	5.82E-02	5.74E-04	2.14E-04
	0.77	CORREAS	5.82E-02	5.74E-04	-2.30E-04
1458	0.00	VIVA	1.37E-01	2.83E-03	1.07E-03
	0.77	VIVA	1.37E-01	2.83E-03	-1.11E-03
	0.00	VIENTO	1.98E-01	4.09E-03	1.55E-03
	0.77	VIENTO	1.98E-01	4.09E-03	-1.61E-03
	0.00	ESPECTRO	7.86E-03	6.41E-05	1.99E-05
	0.77	ESPECTRO	7.86E-03	6.41E-05	2.99E-05
	0.00	DEAD	1.26E-01	5.89E-04	3.82E-04
	0.76	DEAD	1.19E-01	2.07E-03	-6.27E-04
	0.00	COBERT	2.55E-02	6.59E-04	2.46E-04
	0.76	COBERT	2.55E-02	6.59E-04	-2.55E-04
	0.00	CORREAS	4.30E-02	5.74E-04	2.15E-04
	0.76	CORREAS	4.30E-02	5.74E-04	-2.22E-04
1459	0.00	VIVA	1.02E-01	2.63E-03	9.83E-04
	0.76	VIVA	1.02E-01	2.63E-03	-1.02E-03
	0.00	VIENTO	1.47E-01	3.81E-03	1.42E-03

ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
	COMB10	0.2054	0.1989	0.0023	0.0054	0.0014	-0.0017
	COMB1	0.3370	0.3269	0.0023	0.0066	0.0015	-0.0021
	COMB2	0.6769	0.6683	0.0089	0.0127	0.0042	-0.0048
	COMB3	0.8656	0.8570	0.0124	0.0161	0.0055	-0.0062
	COMB4	-0.0454	-0.0541	-0.0041	-0.0003	-0.0012	0.0007
	COMB5	0.5691	0.5605	0.0070	0.0108	0.0034	-0.0040
1454	COMB6	0.0085	-0.0001	-0.0031	0.0006	-0.0008	0.0003
	COMB7	0.6721	0.7357	0.0097	0.0139	0.0043	-0.0053
	COMB8	-0.2389	-0.2454	-0.0068	-0.0040	-0.0024	0.0020
	COMB9	0.4196	0.4110	0.0043	0.0080	0.0023	-0.0027
	COMB10	0.2262	0.2197	0.0016	0.0044	0.0010	-0.0013
	COMB1	0.3315	0.3214	0.0011	0.0050	0.0009	-0.0016
	COMB2	0.6503	0.6417	0.0060	0.0094	0.0028	-0.0035
	COMB3	0.8284	0.8198	0.0085	0.0119	0.0037	-0.0045
	COMB4	-0.0312	-0.0399	-0.0035	-0.0001	-0.0010	0.0005
	COMB5	0.5487	0.5400	0.0046	0.0080	0.0022	-0.0029
1455	COMB6	0.0197	0.0110	-0.0028	0.0006	-0.0007	0.0002
	COMB7	0.6429	0.7053	0.0067	0.0103	0.0029	-0.0039
	COMB8	-0.2167	-0.2232	-0.0053	-0.0028	-0.0018	0.0015
	COMB9	0.4045	0.3958	0.0026	0.0060	0.0014	-0.0020
	COMB10	0.2190	0.2125	0.0008	0.0033	0.0006	-0.0010
	COMB1	0.3434	0.3334	0.0018	0.0052	0.0011	-0.0017
	COMB2	0.6184	0.6097	0.0069	0.0099	0.0031	-0.0037
	COMB3	0.7759	0.7673	0.0096	0.0125	0.0041	-0.0047
	COMB4	0.0153	0.0067	-0.0031	-0.0001	-0.0008	0.0004
	COMB5	0.5284	0.5198	0.0054	0.0084	0.0025	-0.0030
1456	COMB6	0.0604	0.0517	-0.0023	0.0006	-0.0006	0.0001
	COMB7	0.6011	0.6660	0.0075	0.0108	0.0032	-0.0040
	COMB8	-0.1595	-0.1660	-0.0052	-0.0030	-0.0017	0.0015
	COMB9	0.3976	0.3890	0.0033	0.0063	0.0017	-0.0021
	COMB10	0.2228	0.2163	0.0012	0.0034	0.0008	-0.0011
	COMB1	0.3166	0.3065	0.0021	0.0051	0.0012	-0.0017
	COMB2	0.5438	0.5352	0.0068	0.0094	0.0029	-0.0034
	COMB3	0.6763	0.6677	0.0093	0.0118	0.0039	-0.0044
	COMB4	0.0367	0.0281	-0.0025	0.0000	-0.0007	0.0003
	COMB5	0.4681	0.4595	0.0054	0.0080	0.0024	-0.0029
1457	COMB6	0.0746	0.0660	-0.0018	0.0007	-0.0004	0.0000
	COMB7	0.5233	0.5825	0.0072	0.0102	0.0030	-0.0038
	COMB8	-0.1163	-0.1227	-0.0045	-0.0026	-0.0015	0.0013
	COMB9	0.3596	0.3510	0.0034	0.0060	0.0016	-0.0020
	COMB10	0.2067	0.2002	0.0014	0.0033	0.0008	-0.0011
	COMB1	0.3142	0.3042	0.0024	0.0049	0.0012	-0.0016
	COMB2	0.4882	0.4796	0.0065	0.0087	0.0027	-0.0032
	COMB3	0.5946	0.5860	0.0088	0.0109	0.0036	-0.0040
	COMB4	0.0808	0.0723	-0.0019	0.0003	-0.0005	0.0001
	COMB5	0.4274	0.4188	0.0053	0.0074	0.0022	-0.0027
1458	COMB6	0.1112	0.1027	-0.0013	0.0009	-0.0002	-0.0001
	COMB7	0.4589	0.5176	0.0068	0.0095	0.0028	-0.0035
	COMB8	-0.0549	-0.0613	-0.0038	-0.0022	-0.0013	0.0011
	COMB9	0.3456	0.3370	0.0035	0.0057	0.0016	-0.0019
	COMB10	0.2099	0.2034	0.0016	0.0032	0.0008	-0.0010
	COMB1	0.2726	0.2627	0.0026	0.0046	0.0012	-0.0015
	COMB2	0.3966	0.3881	0.0064	0.0082	0.0026	-0.0030
	COMB3	0.4758	0.4673	0.0085	0.0102	0.0033	-0.0037
	COMB4	0.0933	0.0848	-0.0014	0.0003	-0.0003	0.0001
	COMB5	0.3513	0.3428	0.0052	0.0070	0.0021	-0.0025
1459	COMB6	0.1160	0.1075	-0.0009	0.0009	-0.0001	-0.0001
	COMB7	0.3665	0.4164	0.0066	0.0089	0.0026	-0.0032
	COMB8	-0.0160	-0.0224	-0.0033	-0.0020	-0.0011	0.0009

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO AS-3 (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames													
ELE.	Stat.	OutputCase	P	V2	M3	ELE.	COMB	Pu_1	Pu_2	$V2_1$	$V2_2$	Mu_1	Mu_2
Text	m	Text	Ton	Ton	Ton-m			(Ton)	(Ton)	(Ton)	(Ton)	(Ton.m)	(Ton.m)
	0.76	VIENTO	1.47E-01	3.81E-03	-1.47E-03		COMB9	0.2974	0.2889	0.0036	0.0054	0.0015	-0.0018
	0.00	ESPECTRO	1.29E-02	1.20E-04	4.04E-05		COMB10	0.1881	0.1817	0.0018	0.0031	0.0008	-0.0009
	0.76	ESPECTRO	1.29E-02	1.20E-04	5.09E-05								
	0.00	DEAD	1.18E-01	8.05E-04	3.96E-04								
	0.75	DEAD	1.11E-01	1.97E-03	-6.41E-04		COMB1	0.2523	0.2425	0.0028	0.0044	0.0012	-0.0015
	0.00	COBERT	1.28E-02	6.28E-04	2.31E-04		COMB2	0.2984	0.2899	0.0064	0.0078	0.0025	-0.0028
	0.75	COBERT	1.28E-02	6.28E-04	-2.39E-04		COMB3	0.3383	0.3299	0.0084	0.0098	0.0032	-0.0036
	0.00	CORREAS	4.95E-02	5.65E-04	2.01E-04		COMB4	0.1456	0.1372	-0.0011	0.0003	-0.0003	0.0000
1460	0.75	CORREAS	4.95E-02	5.65E-04	-2.21E-04	1460	COMB5	0.2756	0.2672	0.0053	0.0067	0.0021	-0.0024
	0.00	VIVA	5.13E-02	2.51E-03	9.25E-04		COMB6	0.1570	0.1486	-0.0005	0.0009	-0.0001	-0.0002
	0.75	VIVA	5.13E-02	2.51E-03	-9.54E-04		COMB7	0.2586	0.3042	0.0065	0.0085	0.0025	-0.0031
	0.00	VIENTO	7.41E-02	3.63E-03	1.34E-03		COMB8	0.0659	0.0596	-0.0029	-0.0019	-0.0010	0.0008
	0.75	VIENTO	7.41E-02	3.63E-03	-1.38E-03		COMB9	0.2601	0.2517	0.0039	0.0053	0.0015	-0.0017
	0.00	ESPECTRO	1.82E-02	2.06E-04	6.75E-05		COMB10	0.1804	0.1741	0.0020	0.0031	0.0008	-0.0009
	0.75	ESPECTRO	1.82E-02	2.06E-04	8.68E-05								
	0.00	DEAD	1.04E-01	7.83E-04	3.11E-04								
	0.74	DEAD	1.00E-01	1.22E-03	-4.26E-04		COMB1	0.1788	0.1738	0.0020	0.0026	0.0008	-0.0009
	0.00	COBERT	-7.15E-03	2.80E-04	1.05E-04		COMB2	0.1075	0.1032	0.0035	0.0041	0.0013	-0.0015
	0.74	COBERT	-7.15E-03	2.80E-04	-1.01E-04		COMB3	0.0852	0.0810	0.0044	0.0049	0.0017	-0.0018
	0.00	CORREAS	3.08E-02	3.84E-04	1.38E-04		COMB4	0.1927	0.1884	0.0002	0.0007	0.0001	-0.0002
	0.74	CORREAS	3.08E-02	3.84E-04	-1.45E-04		COMB5	0.1202	0.1159	0.0030	0.0036	0.0012	-0.0013
1461	0.00	VIVA	-2.86E-02	1.12E-03	4.20E-04	1461	COMB6	0.1863	0.1821	0.0004	0.0010	0.0002	-0.0003
	0.74	VIVA	-2.86E-02	1.12E-03	-4.04E-04		COMB7	0.0612	0.0953	0.0034	0.0044	0.0013	-0.0016
	0.00	VIENTO	-4.13E-02	1.62E-03	6.07E-04		COMB8	0.1687	0.1655	-0.0008	-0.0004	-0.0003	0.0002
	0.74	VIENTO	-4.13E-02	1.62E-03	-5.84E-04		COMB9	0.1620	0.1578	0.0025	0.0030	0.0009	-0.0009
	0.00	ESPECTRO	2.31E-02	2.12E-04	7.17E-05		COMB10	0.1380	0.1348	0.0015	0.0019	0.0006	-0.0005
	0.74	ESPECTRO	2.31E-02	2.12E-04	8.43E-05								
	0.00	DEAD	9.27E-02	8.62E-04	3.22E-04								
	0.72	DEAD	8.92E-02	1.15E-03	-4.07E-04		COMB1	0.1384	0.1335	0.0017	0.0021	0.0006	-0.0008
	0.00	COBERT	-2.83E-02	3.32E-05	1.32E-05		COMB2	-0.0624	-0.0666	0.0017	0.0020	0.0006	-0.0007
	0.72	COBERT	-2.83E-02	3.32E-05	-1.08E-05		COMB3	-0.1504	-0.1546	0.0018	0.0021	0.0007	-0.0008
	0.00	CORREAS	3.44E-02	3.43E-04	1.21E-04		COMB4	0.2745	0.2703	0.0013	0.0017	0.0005	-0.0006
	0.72	CORREAS	3.44E-02	3.43E-04	-1.27E-04		COMB5	-0.0121	-0.0163	0.0016	0.0020	0.0006	-0.0007
1462	0.00	VIVA	-1.13E-01	1.33E-04	5.29E-05	1462	COMB6	0.2494	0.2452	0.0013	0.0017	0.0005	-0.0006
	0.72	VIVA	-1.13E-01	1.33E-04	-4.31E-05		COMB7	-0.1235	-0.0981	0.0014	0.0021	0.0005	-0.0007
	0.00	VIENTO	-1.63E-01	1.92E-04	7.64E-05		COMB8	0.3014	0.2983	0.0009	0.0011	0.0003	-0.0004
	0.72	VIENTO	-1.63E-01	1.92E-04	-6.22E-05		COMB9	0.0903	0.0861	0.0018	0.0022	0.0007	-0.0006
	0.00	ESPECTRO	2.82E-02	2.77E-04	9.84E-05		COMB10	0.1172	0.1140	0.0014	0.0017	0.0005	-0.0004
	0.72	ESPECTRO	2.82E-02	2.77E-04	1.02E-04								
	0.00	DEAD	7.65E-02	4.67E-04	2.09E-04								
	0.71	DEAD	7.30E-02	6.09E-04	-1.74E-04		COMB1	0.0627	0.0579	0.0000	0.0002	0.0001	0.0001
	0.00	COBERT	-4.37E-02	-5.78E-04	-1.82E-04		COMB2	-0.2258	-0.2300	-0.0037	-0.0035	-0.0010	0.0015
	0.71	COBERT	-4.37E-02	-5.78E-04	2.29E-04		COMB3	-0.3618	-0.3659	-0.0055	-0.0053	-0.0016	0.0022
	0.00	CORREAS	1.20E-02	1.24E-04	7.73E-05		COMB4	0.2945	0.2904	0.0032	0.0034	0.0011	-0.0012
1463	0.71	CORREAS	1.20E-02	1.24E-04	-1.08E-05	1463	COMB5	-0.1482	-0.1524	-0.0027	-0.0025	-0.0007	0.0011
	0.00	VIVA	-1.75E-01	-2.31E-03	-7.28E-04		COMB6	0.2557	0.2516	0.0027	0.0029	0.0010	-0.0010
	0.71	VIVA	-1.75E-01	-2.31E-03	9.18E-04		COMB7	-0.2879	-0.2786	-0.0043	-0.0042	-0.0013	0.0018
	0.00	VIENTO	-2.52E-01	-3.34E-03	-1.05E-03		COMB8	0.3685	0.3654	0.0044	0.0045	0.0015	-0.0017
	0.71	VIENTO	-2.52E-01	-3.34E-03	1.33E-03		COMB9	0.0007	-0.0035	-0.0007	-0.0006	-0.0001	0.0007
	0.00	ESPECTRO	3.43E-02	4.09E-04	1.25E-04		COMB10	0.0746	0.0715	0.0004	0.0005	0.0002	0.0002
	0.71	ESPECTRO	3.43E-02	4.09E-04	1.66E-04								
DIAGONAL						DIAGONAL							
	0.00	DEAD	-2.50E-03	-4.23E-03	-6.46E-04								
	1.20	DEAD	-2.50E-03	4.43E-03	-7.63E-04		COMB1	-0.0308	-0.0308	-0.0056	0.0065	-0.0008	-0.0014
	0.00	COBERT	-3.63E-03	2.25E-04	8.58E-05		COMB2	-0.0496	-0.0496	-0.0033	0.0070	-0.0001	-0.0023
	1.20	COBERT	-3.63E-03	2.25E-04	-1.84E-04		COMB3	-0.0609	-0.0609	-0.0026	0.0077	0.0001	-0.0029
	0.00	CORREAS	-1.59E-02	1.58E-05	-9.13E-06		COMB4	-0.0064	-0.0064	-0.0060	0.0044	-0.0012	-0.0002
	1.20	CORREAS	-1.59E-02	1.58E-05	-2.80E-05		COMB5	-0.0432	-0.0432	-0.0037	0.0066	-0.0003	-0.0020
1310	0.00	VIVA	-1.45E-02	9.01E-04	3.43E-04	1310	COMB6	-0.0096	-0.0096	-0.0058	0.0046	-0.0011	-0.0003
	1.20	VIVA	-1.45E-02	9.01E-04	-7.34E-04		COMB7	-0.0471	-0.0537	-0.0019	0.0073	0.0001	-0.0025
	0.00	VIENTO	-2.10E-02	1.30E-03	4.96E-04		COMB8	0.0075	0.0075	-0.0053	0.0025	-0.0012	0.0005
	1.20	VIENTO	-2.10E-02	1.30E-03	-1.06E-03		COMB9	-0.0326	-0.0326	-0.0043	0.0061	-0.0005	-0.0015
	0.00	ESPECTRO	1.06E-03	3.22E-05	6.97E-06		COMB10	-0.0187	-0.0187	-0.0036	0.0042	-0.0005	-0.0008
	1.20	ESPECTRO	1.06E-03	3.22E-05	3.16E-05								
	0.00	DEAD	-7.58E-02	-2.40E-03	-2.87E-04								
	1.12	DEAD	-6.63E-02	2.49E-03	-3.37E-04		COMB1	-0.3138	-0.3005	-0.0040	0.0029	-0.0007	-0.0001
	0.00	COBERT	-1.01E-01	-2.95E-04	-1.33E-04		COMB2	-0.9175	-0.9061	-0.0053	0.0006	-0.0015	0.0012
	1.12	COBERT	-1.01E-01	-2.95E-04	1.97E-04		COMB3	-1.2328	-1.2215	-0.0062	-0.0003	-0.0019	0.0018
	0.00	CORREAS	-4.70E-02	-1.48E-04	-8.11E-05		COMB4	0.2896	0.3009	-0.0018	0.0041	0.0001	-0.0012
	1.12	CORREAS	-4.70E-02	-1.48E-04	8.41E-05		COMB5	-0.7374	-0.7260	-0.0048	0.0011	-0.0012	0.0008
3178	0.00	VIVA	-4.05E-01	-1.18E-03	-5.33E-04	3178	COMB6	0.1995	0.2108	-0.0021	0.0038	0.0000	-0.0010

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO AS-3 (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames													
ELE.	Stat.	OutputCase	P	V2	M3	ELE.	COMB	Pu_1	Pu_2	$V2_1$	$V2_2$	Mu_1	Mu_2
Text	m	Text	Ton	Ton	Ton-m			(Ton)	(Ton)	(Ton)	(Ton)	(Ton.m)	(Ton.m)
	1.12	VIVA	-4.05E-01	-1.18E-03	7.88E-04		COMB7	-0.9629	-1.0188	-0.0048	0.0002	-0.0015	0.0014
	0.00	VIENTO	-5.86E-01	-1.71E-03	-7.71E-04		COMB8	0.5595	0.5680	-0.0003	0.0041	0.0006	-0.0015
	1.12	VIENTO	-5.86E-01	-1.71E-03	1.14E-03		COMB9	-0.4437	-0.4324	-0.0039	0.0020	-0.0008	0.0004
	0.00	ESPECTRO	2.79E-02	9.58E-05	4.98E-05		COMB10	-0.1738	-0.1653	-0.0025	0.0019	-0.0004	0.0000
	1.12	ESPECTRO	2.79E-02	9.58E-05	5.75E-05								
	0.00	DEAD	-6.56E-02	-2.61E-03	-5.93E-04								
	1.11	DEAD	-5.61E-02	1.81E-03	-1.50E-04		COMB1	-0.2715	-0.2581	-0.0046	0.0016	-0.0013	0.0003
	0.00	COBERT	-9.35E-02	-4.69E-04	-2.49E-04		COMB2	-0.8311	-0.8196	-0.0069	-0.0016	-0.0027	0.0020
	1.11	COBERT	-9.35E-02	-4.69E-04	2.71E-04		COMB3	-1.1221	-1.1106	-0.0084	-0.0031	-0.0035	0.0029
	0.00	CORREAS	-3.48E-02	-2.09E-04	-1.20E-04		COMB4	0.2827	0.2942	-0.0014	0.0039	0.0002	-0.0012
3179	1.11	CORREAS	-3.48E-02	-2.09E-04	1.11E-04	3179	COMB5	-0.6649	-0.6534	-0.0061	-0.0008	-0.0023	0.0015
	0.00	VIVA	-3.74E-01	-1.88E-03	-9.96E-04		COMB6	0.1995	0.2110	-0.0018	0.0035	0.0000	-0.0010
	1.11	VIVA	-3.74E-01	-1.88E-03	1.08E-03		COMB7	-0.8769	-0.9236	-0.0065	-0.0022	-0.0027	0.0023
	0.00	VIENTO	-5.40E-01	-2.71E-03	-1.44E-03		COMB8	0.5278	0.5365	0.0006	0.0045	0.0010	-0.0018
	1.11	VIENTO	-5.40E-01	-2.71E-03	1.56E-03		COMB9	-0.3926	-0.3811	-0.0047	0.0006	-0.0016	0.0009
	0.00	ESPECTRO	2.71E-02	1.46E-04	8.21E-05		COMB10	-0.1474	-0.1388	-0.0028	0.0012	-0.0008	0.0003
	1.11	ESPECTRO	2.71E-02	1.46E-04	7.97E-05								
	0.00	DEAD	-5.27E-02	-2.24E-03	-4.71E-04								
	1.10	DEAD	-4.30E-02	1.69E-03	-1.70E-04		COMB1	-0.2532	-0.2396	-0.0040	0.0015	-0.0011	0.0002
	0.00	COBERT	-8.92E-02	-4.21E-04	-2.25E-04		COMB2	-0.7880	-0.7763	-0.0061	-0.0014	-0.0024	0.0017
	1.10	COBERT	-8.92E-02	-4.21E-04	2.37E-04		COMB3	-1.0656	-1.0540	-0.0074	-0.0027	-0.0031	0.0024
	0.00	CORREAS	-3.89E-02	-1.73E-04	-1.03E-04		COMB4	0.2748	0.2864	-0.0011	0.0036	0.0003	-0.0011
3180	1.10	CORREAS	-3.89E-02	-1.73E-04	8.69E-05	3180	COMB5	-0.6294	-0.6178	-0.0053	-0.0006	-0.0020	0.0013
	0.00	VIVA	-3.57E-01	-1.68E-03	-9.02E-04		COMB6	0.1954	0.2070	-0.0015	0.0033	0.0001	-0.0009
	1.10	VIVA	-3.57E-01	-1.68E-03	9.47E-04		COMB7	-0.8329	-0.8756	-0.0057	-0.0018	-0.0024	0.0020
	0.00	VIENTO	-5.16E-01	-2.43E-03	-1.30E-03		COMB8	0.5074	0.5161	0.0006	0.0041	0.0010	-0.0016
	1.10	VIENTO	-5.16E-01	-2.43E-03	1.37E-03		COMB9	-0.3690	-0.3574	-0.0041	0.0006	-0.0013	0.0007
	0.00	ESPECTRO	2.64E-02	1.34E-04	7.58E-05		COMB10	-0.1363	-0.1276	-0.0024	0.0011	-0.0006	0.0002
	1.10	ESPECTRO	2.64E-02	1.34E-04	7.13E-05								
	0.00	DEAD	-4.07E-02	-1.95E-03	-4.16E-04								
	1.09	DEAD	-3.09E-02	1.49E-03	-1.62E-04		COMB1	-0.2116	-0.1979	-0.0035	0.0013	-0.0010	0.0002
	0.00	COBERT	-8.45E-02	-4.06E-04	-2.23E-04		COMB2	-0.7221	-0.7104	-0.0056	-0.0015	-0.0023	0.0016
	1.09	COBERT	-8.45E-02	-4.06E-04	2.18E-04		COMB3	-0.9850	-0.9733	-0.0069	-0.0028	-0.0030	0.0022
	0.00	CORREAS	-2.60E-02	-1.65E-04	-1.01E-04		COMB4	0.2843	0.2960	-0.0008	0.0033	0.0003	-0.0010
3181	1.09	CORREAS	-2.60E-02	-1.65E-04	7.82E-05	3181	COMB5	-0.5719	-0.5602	-0.0049	-0.0008	-0.0019	0.0012
	0.00	VIVA	-3.38E-01	-1.63E-03	-8.92E-04		COMB6	0.2092	0.2209	-0.0012	0.0030	0.0001	-0.0008
	1.09	VIVA	-3.38E-01	-1.63E-03	8.74E-04		COMB7	-0.7707	-0.8043	-0.0053	-0.0020	-0.0023	0.0018
	0.00	VIENTO	-4.88E-01	-2.35E-03	-1.29E-03		COMB8	0.4986	0.5074	0.0008	0.0039	0.0010	-0.0015
	1.09	VIENTO	-4.88E-01	-2.35E-03	1.26E-03		COMB9	-0.3247	-0.3130	-0.0037	0.0004	-0.0013	0.0007
	0.00	ESPECTRO	2.56E-02	1.32E-04	7.64E-05		COMB10	-0.1104	-0.1016	-0.0021	0.0010	-0.0006	0.0002
	1.09	ESPECTRO	2.56E-02	1.32E-04	6.76E-05								
	0.00	DEAD	-2.95E-02	-1.67E-03	-3.57E-04								
	1.08	DEAD	-1.97E-02	1.29E-03	-1.54E-04		COMB1	-0.1948	-0.1810	-0.0031	0.0011	-0.0009	0.0001
	0.00	COBERT	-7.82E-02	-3.75E-04	-2.11E-04		COMB2	-0.6675	-0.6558	-0.0050	-0.0015	-0.0021	0.0014
	1.08	COBERT	-7.82E-02	-3.75E-04	1.93E-04		COMB3	-0.9110	-0.8992	-0.0062	-0.0026	-0.0028	0.0020
	0.00	CORREAS	-3.14E-02	-1.44E-04	-9.40E-05		COMB4	0.2642	0.2760	-0.0006	0.0030	0.0004	-0.0009
3182	1.08	CORREAS	-3.14E-02	-1.44E-04	6.14E-05	3182	COMB5	-0.5285	-0.5168	-0.0044	-0.0008	-0.0018	0.0010
	0.00	VIVA	-3.13E-01	-1.50E-03	-8.42E-04		COMB6	0.1947	0.2064	-0.0009	0.0027	0.0002	-0.0008
	1.08	VIVA	-3.13E-01	-1.50E-03	7.72E-04		COMB7	-0.7128	-0.7428	-0.0048	-0.0019	-0.0022	0.0016
	0.00	VIENTO	-4.52E-01	-2.17E-03	-1.22E-03		COMB8	0.4624	0.4712	0.0009	0.0035	0.0010	-0.0014
	1.08	VIENTO	-4.52E-01	-2.17E-03	1.11E-03		COMB9	-0.2986	-0.2869	-0.0032	0.0003	-0.0011	0.0006
	0.00	ESPECTRO	2.47E-02	1.28E-04	7.52E-05		COMB10	-0.1005	-0.0916	-0.0018	0.0008	-0.0005	0.0002
	1.08	ESPECTRO	2.47E-02	1.28E-04	6.26E-05								
	0.00	DEAD	-1.96E-02	-1.39E-03	-3.04E-04								
	1.06	DEAD	-9.82E-03	1.08E-03	-1.42E-04		COMB1	-0.1531	-0.1393	-0.0026	0.0008	-0.0008	0.0001
	0.00	COBERT	-7.12E-02	-3.44E-04	-1.99E-04		COMB2	-0.5870	-0.5752	-0.0044	-0.0015	-0.0020	0.0012
	1.06	COBERT	-7.12E-02	-3.44E-04	1.67E-04		COMB3	-0.8087	-0.7969	-0.0055	-0.0026	-0.0026	0.0017
	0.00	CORREAS	-1.85E-02	-1.41E-04	-9.46E-05		COMB4	0.2613	0.2731	-0.0003	0.0026	0.0004	-0.0008
3183	1.06	CORREAS	-1.85E-02	-1.41E-04	5.54E-05	3183	COMB5	-0.4605	-0.4487	-0.0038	-0.0009	-0.0016	0.0009
	0.00	VIVA	-2.85E-01	-1.38E-03	-7.96E-04		COMB6	0.1980	0.2098	-0.0007	0.0023	0.0002	-0.0007
	1.06	VIVA	-2.85E-01	-1.38E-03	6.69E-04		COMB7	-0.6334	-0.6544	-0.0043	-0.0019	-0.0020	0.0014
	0.00	VIENTO	-4.12E-01	-1.99E-03	-1.15E-03		COMB8	0.4366	0.4454	0.0009	0.0031	0.0010	-0.0012
	1.06	VIENTO	-4.12E-01	-1.99E-03	9.66E-04		COMB9	-0.2501	-0.2383	-0.0028	0.0002	-0.0010	0.0005
	0.00	ESPECTRO	2.36E-02	1.22E-04	7.33E-05		COMB10	-0.0748	-0.0660	-0.0016	0.0007	-0.0005	0.0001
	1.06	ESPECTRO	2.36E-02	1.22E-04	5.71E-05								
	0.00	DEAD	-1.14E-02	-1.12E-03	-2.56E-04								
	1.05	DEAD	-1.59E-03	8.68E-04	-1.25E-04		COMB1	-0.1422	-0.1285	-0.0022	0.0006	-0.0008	0.0001
	0.00	COBERT	-6.44E-02	-3.14E-04	-1.90E-04		COMB2	-0.5340	-0.5222	-0.0039	-0.0015	-0.0019	0.0010
	1.05	COBERT	-6.44E-02	-3.14E-04	1.40E-04		COMB3	-0.7344	-0.7226	-0.0049	-0.0025	-0.0025	0.0014
	0.00	CORREAS	-2.58E-02	-1.24E-04	-9.04E-05		COMB4	0.2330	0.2448	-0.0001	0.0022	0.0004	-0.0007
3184	1.05	CORREAS	-2.58E-02	-1.24E-04	4.05E-05	3184	COMB5	-0.4196	-0.4078	-0.0033	-0.0009	-0.0015	0.0007

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO AS-3 (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames

ELE.	Stat.	OutputCase	P	V2	M3
Text	m	Text	Ton	Ton	Ton-m
[illegible]	0.00	VIVA	-2.58E-01	-1.26E-03	-7.61E-04
	1.05	VIVA	-2.58E-01	-1.26E-03	5.61E-04
	0.00	VIENTO	-3.72E-01	-1.81E-03	-1.10E-03
	1.05	VIENTO	-3.72E-01	-1.81E-03	8.11E-04
	0.00	ESPECTRO	2.22E-02	1.14E-04	7.07E-05
	1.05	ESPECTRO	2.22E-02	1.14E-04	4.99E-05
	0.00	DEAD	-4.93E-03	-8.52E-04	-2.10E-04
	1.04	DEAD	4.88E-03	6.54E-04	-1.06E-04
	0.00	COBERT	-5.86E-02	-3.18E-04	-1.87E-04
	1.04	COBERT	-5.86E-02	-3.18E-04	1.45E-04
	0.00	CORREAS	-1.35E-02	-1.42E-04	-9.65E-05
3185	1.04	CORREAS	-1.35E-02	-1.42E-04	5.11E-05
	0.00	VIVA	-2.35E-01	-1.27E-03	-7.46E-04
	1.04	VIVA	-2.35E-01	-1.27E-03	5.80E-04
	0.00	VIENTO	-3.39E-01	-1.84E-03	-1.08E-03
	1.04	VIENTO	-3.39E-01	-1.84E-03	8.38E-04
	0.00	ESPECTRO	2.06E-02	1.16E-04	6.84E-05
	1.04	ESPECTRO	2.06E-02	1.16E-04	5.23E-05
	0.00	DEAD	3.10E-04	-3.21E-04	-9.82E-05
	1.03	DEAD	5.29E-03	2.06E-04	-3.91E-05
	0.00	COBERT	-5.12E-02	-2.07E-04	-1.24E-04
	1.03	COBERT	-5.12E-02	-2.07E-04	8.99E-05
	0.00	CORREAS	-2.20E-02	-8.61E-05	-6.18E-05
3186	1.03	CORREAS	-2.20E-02	-8.61E-05	2.70E-05
	0.00	VIVA	-2.05E-01	-8.29E-04	-4.95E-04
	1.03	VIVA	-2.05E-01	-8.29E-04	3.60E-04
	0.00	VIENTO	-2.96E-01	-1.20E-03	-7.15E-04
	1.03	VIENTO	-2.96E-01	-1.20E-03	5.20E-04
	0.00	ESPECTRO	1.81E-02	7.46E-05	4.44E-05
	1.03	ESPECTRO	1.81E-02	7.46E-05	3.25E-05
	0.00	DEAD	-2.47E-04	-2.08E-04	-8.40E-05
	1.02	DEAD	4.70E-03	7.92E-05	-1.85E-05
	0.00	COBERT	-4.57E-02	-2.08E-04	-1.34E-04
	1.02	COBERT	-4.57E-02	-2.08E-04	7.81E-05
	0.00	CORREAS	-1.02E-02	-1.00E-04	-7.13E-05
3187	1.02	CORREAS	-1.02E-02	-1.00E-04	3.11E-05
	0.00	VIVA	-1.83E-01	-8.31E-04	-5.35E-04
	1.02	VIVA	-1.83E-01	-8.31E-04	3.12E-04
	0.00	VIENTO	-2.64E-01	-1.20E-03	-7.73E-04
	1.02	VIENTO	-2.64E-01	-1.20E-03	4.51E-04
	0.00	ESPECTRO	1.61E-02	7.34E-05	4.70E-05
	1.02	ESPECTRO	1.61E-02	7.34E-05	2.79E-05
	0.00	DEAD	-1.92E-03	-1.02E-04	-7.39E-05
	1.01	DEAD	2.98E-03	-5.05E-05	2.79E-06
	0.00	COBERT	-3.93E-02	-1.78E-04	-1.20E-04
	1.01	COBERT	-3.93E-02	-1.78E-04	6.00E-05
	0.00	CORREAS	-2.01E-02	-8.33E-05	-6.39E-05
3188	1.01	CORREAS	-2.01E-02	-8.33E-05	2.00E-05
	0.00	VIVA	-1.57E-01	-7.12E-04	-4.78E-04
	1.01	VIVA	-1.57E-01	-7.12E-04	2.40E-04
	0.00	VIENTO	-2.27E-01	-1.03E-03	-6.91E-04
	1.01	VIENTO	-2.27E-01	-1.03E-03	3.47E-04
	0.00	ESPECTRO	1.35E-02	6.09E-05	4.07E-05
	1.01	ESPECTRO	1.35E-02	6.09E-05	2.08E-05
	0.00	DEAD	-4.07E-03	-9.91E-07	6.48E-05
	1.00	DEAD	7.73E-04	1.79E-04	-2.40E-05
	0.00	COBERT	-3.29E-02	1.50E-04	1.07E-04
	1.00	COBERT	-3.29E-02	1.50E-04	-4.23E-05
	0.00	CORREAS	-7.74E-03	9.48E-05	7.02E-05
3189	1.00	CORREAS	-7.74E-03	9.48E-05	-2.43E-05
	0.00	VIVA	-1.31E-01	6.01E-04	4.30E-04
	1.00	VIVA	-1.31E-01	6.01E-04	-1.69E-04
	0.00	VIENTO	-1.90E-01	8.68E-04	6.21E-04
	1.00	VIENTO	-1.90E-01	8.68E-04	-2.45E-04
	0.00	ESPECTRO	1.07E-02	4.82E-05	3.47E-05
	1.00	ESPECTRO	1.07E-02	4.82E-05	1.36E-05
	0.00	DEAD	-6.31E-03	-1.02E-04	5.57E-05
	0.99	DEAD	-1.54E-03	3.04E-04	-4.41E-05
	0.00	COBERT	-2.62E-02	1.21E-04	9.40E-05
	0.99	COBERT	-2.62E-02	1.21E-04	-2.51E-05
	0.00	CORREAS	-1.80E-02	7.41E-05	6.10E-05

ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
[illegible]	COMB6	0.1758	0.1876	-0.0004	0.0020	0.0002	-0.0006
	COMB7	-0.5751	-0.5938	-0.0038	-0.0018	-0.0019	0.0011
	COMB8	0.3923	0.4011	0.0010	0.0027	0.0009	-0.0010
	COMB9	-0.2285	-0.2167	-0.0024	0.0000	-0.0010	0.0004
	COMB10	-0.0693	-0.0604	-0.0013	0.0005	-0.0004	0.0001
	COMB1	-0.1079	-0.0941	-0.0018	0.0003	-0.0007	0.0001
	COMB2	-0.4677	-0.4560	-0.0036	-0.0018	-0.0018	0.0010
	COMB3	-0.6502	-0.6385	-0.0046	-0.0028	-0.0024	0.0015
	COMB4	0.2308	0.2425	0.0002	0.0020	0.0004	-0.0007
3185	COMB5	-0.3635	-0.3518	-0.0030	-0.0012	-0.0015	0.0008
	COMB6	0.1786	0.1904	-0.0001	0.0017	0.0003	-0.0006
	COMB7	-0.5099	-0.5212	-0.0036	-0.0022	-0.0018	0.0012
	COMB8	0.3712	0.3800	0.0012	0.0026	0.0010	-0.0010
	COMB9	-0.1892	-0.1774	-0.0021	-0.0003	-0.0009	0.0004
	COMB10	-0.0488	-0.0399	-0.0011	0.0003	-0.0004	0.0001
	COMB1	-0.1020	-0.0950	-0.0009	-0.0001	-0.0004	0.0001
	COMB2	-0.4152	-0.4092	-0.0021	-0.0014	-0.0011	0.0007
	COMB3	-0.5746	-0.5686	-0.0027	-0.0021	-0.0015	0.0009
	COMB4	0.1948	0.2008	0.0004	0.0010	0.0003	-0.0004
3186	COMB5	-0.3242	-0.3182	-0.0017	-0.0011	-0.0009	0.0005
	COMB6	0.1493	0.1553	0.0002	0.0009	0.0002	-0.0003
	COMB7	-0.4503	-0.4662	-0.0021	-0.0017	-0.0012	0.0008
	COMB8	0.3191	0.3236	0.0010	0.0015	0.0007	-0.0006
	COMB9	-0.1718	-0.1658	-0.0011	-0.0004	-0.0005	0.0003
	COMB10	-0.0475	-0.0430	-0.0005	0.0000	-0.0002	0.0001
	COMB1	-0.0786	-0.0717	-0.0007	-0.0003	-0.0004	0.0001
	COMB2	-0.3598	-0.3538	-0.0019	-0.0016	-0.0012	0.0006
	COMB3	-0.5020	-0.4960	-0.0026	-0.0023	-0.0016	0.0009
	COMB4	0.1845	0.1904	0.0005	0.0009	0.0004	-0.0003
3187	COMB5	-0.2786	-0.2726	-0.0016	-0.0012	-0.0010	0.0005
	COMB6	0.1438	0.1498	0.0003	0.0007	0.0003	-0.0003
	COMB7	-0.3937	-0.4046	-0.0020	-0.0018	-0.0013	0.0007
	COMB8	0.2927	0.2971	0.0011	0.0014	0.0007	-0.0005
	COMB9	-0.1427	-0.1367	-0.0010	-0.0006	-0.0006	0.0003
	COMB10	-0.0345	-0.0300	-0.0004	-0.0001	-0.0002	0.0001
	COMB1	-0.0859	-0.0790	-0.0005	-0.0004	-0.0004	0.0001
	COMB2	-0.3254	-0.3196	-0.0016	-0.0015	-0.0011	0.0005
	COMB3	-0.4479	-0.4420	-0.0021	-0.0021	-0.0014	0.0007
	COMB4	0.1433	0.1491	0.0005	0.0006	0.0004	-0.0002
3188	COMB5	-0.2555	-0.2496	-0.0013	-0.0012	-0.0009	0.0004
	COMB6	0.1083	0.1141	0.0004	0.0004	0.0002	-0.0002
	COMB7	-0.3508	-0.3633	-0.0017	-0.0017	-0.0011	0.0006
	COMB8	0.2403	0.2448	0.0010	0.0011	0.0007	-0.0004
	COMB9	-0.1388	-0.1329	-0.0007	-0.0007	-0.0005	0.0002
	COMB10	-0.0417	-0.0373	-0.0003	-0.0002	-0.0002	0.0001
	COMB1	-0.0625	-0.0558	0.0003	0.0006	0.0003	-0.0001
	COMB2	-0.2639	-0.2581	0.0013	0.0015	0.0010	-0.0004
	COMB3	-0.3662	-0.3604	0.0017	0.0019	0.0013	-0.0005
	COMB4	0.1275	0.1333	-0.0005	-0.0003	-0.0003	0.0001
3189	COMB5	-0.2055	-0.1997	0.0010	0.0012	0.0008	-0.0003
	COMB6	0.0983	0.1041	-0.0004	-0.0002	-0.0002	0.0001
	COMB7	-0.2871	-0.2946	0.0013	0.0016	0.0010	-0.0004
	COMB8	0.2066	0.2110	-0.0009	-0.0007	-0.0006	0.0002
	COMB9	-0.1086	-0.1028	0.0006	0.0009	0.0005	-0.0002
	COMB10	-0.0295	-0.0251	0.0003	0.0004	0.0003	-0.0001
	COMB1	-0.0707	-0.0640	0.0001	0.0007	0.0003	-0.0001
	COMB2	-0.2282	-0.2224	0.0009	0.0014	0.0009	-0.0003
	COMB3	-0.3097	-0.3039	0.0013	0.0017	0.0011	-0.0003
	COMB4	0.0837	0.0895	-0.0006	-0.0001	-0.0003	0.0000

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO AS-3 (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames

ELE.	Stat.	OutputCase	P	V2	M3
Text	m	Text	Ton	Ton	Ton-m
3190	0.99	CORREAS	-1.80E-02	7.41E-05	-1.21E-05
	0.00	VIVA	-1.05E-01	4.83E-04	3.76E-04
	0.99	VIVA	-1.05E-01	4.83E-04	-1.00E-04
	0.00	VIENTO	-1.51E-01	6.98E-04	5.43E-04
	0.99	VIENTO	-1.51E-01	6.98E-04	-1.45E-04
	0.00	ESPECTRO	7.75E-03	3.46E-05	2.82E-05
	0.99	ESPECTRO	7.75E-03	3.46E-05	6.87E-06
3191	0.00	DEAD	-8.29E-03	-2.03E-04	4.72E-05
	0.97	DEAD	-3.59E-03	4.25E-04	-6.09E-05
	0.00	COBERT	-1.91E-02	8.51E-05	7.90E-05
	0.97	COBERT	-1.91E-02	8.51E-05	-4.01E-06
	0.00	CORREAS	-4.37E-03	7.87E-05	6.58E-05
	0.97	CORREAS	-4.37E-03	7.87E-05	-1.09E-05
	0.00	VIVA	-7.62E-02	3.41E-04	3.16E-04
	0.97	VIVA	-7.62E-02	3.41E-04	-1.60E-05
	0.00	VIENTO	-1.10E-01	4.92E-04	4.56E-04
	0.97	VIENTO	-1.10E-01	4.92E-04	-2.32E-05
	0.00	ESPECTRO	4.74E-03	2.04E-05	2.14E-05
	0.97	ESPECTRO	4.74E-03	2.04E-05	4.95E-06
3192	0.00	DEAD	-1.02E-02	-6.49E-04	4.34E-05
	0.96	DEAD	-1.15E-03	1.00E-03	-1.26E-04
	0.00	COBERT	-1.17E-02	7.30E-05	9.93E-05
	0.96	COBERT	-1.17E-02	7.30E-05	2.89E-05
	0.00	CORREAS	-1.50E-02	8.57E-05	8.77E-05
	0.96	CORREAS	-1.50E-02	8.57E-05	5.07E-06
	0.00	VIVA	-4.70E-02	2.92E-04	3.97E-04
	0.96	VIVA	-4.70E-02	2.92E-04	1.15E-04
	0.00	VIENTO	-6.79E-02	4.22E-04	5.74E-04
	0.96	VIENTO	-6.79E-02	4.22E-04	1.67E-04
	0.00	ESPECTRO	2.56E-03	1.32E-05	2.44E-05
	0.96	ESPECTRO	2.56E-03	1.32E-05	1.82E-05
3193	0.00	DEAD	-6.77E-03	-8.67E-04	1.05E-05
	0.95	DEAD	2.07E-03	1.19E-03	-1.44E-04
	0.00	COBERT	-2.50E-03	5.20E-06	6.17E-05
	0.95	COBERT	-2.50E-03	5.20E-06	5.68E-05
	0.00	CORREAS	1.95E-04	9.14E-05	9.06E-05
	0.95	CORREAS	1.95E-04	9.14E-05	3.48E-06
	0.00	VIVA	-1.00E-02	2.08E-05	2.47E-04
	0.95	VIVA	-1.00E-02	2.08E-05	2.27E-04
	0.00	VIENTO	-1.45E-02	3.01E-05	3.57E-04
	0.95	VIENTO	-1.45E-02	3.01E-05	3.28E-04
	0.00	ESPECTRO	3.76E-03	1.62E-05	1.33E-05
	0.95	ESPECTRO	3.76E-03	1.62E-05	2.71E-05
3194	0.00	DEAD	-2.87E-03	-1.08E-03	-2.33E-05
	0.94	DEAD	5.76E-03	1.37E-03	-1.58E-04
	0.00	COBERT	8.40E-03	-5.63E-05	3.18E-05
	0.94	COBERT	8.40E-03	-5.63E-05	8.49E-05
	0.00	CORREAS	-1.03E-02	6.04E-05	7.67E-05
	0.94	CORREAS	-1.03E-02	6.04E-05	1.97E-05
	0.00	VIVA	3.36E-02	-2.25E-04	1.27E-04
	0.94	VIVA	3.36E-02	-2.25E-04	3.39E-04
	0.00	VIENTO	4.86E-02	-3.26E-04	1.84E-04
	0.94	VIENTO	4.86E-02	-3.26E-04	4.90E-04
	0.00	ESPECTRO	6.82E-03	3.19E-05	4.77E-06
	0.94	ESPECTRO	6.82E-03	3.19E-05	3.46E-05
3195	0.00	DEAD	2.01E-03	-1.30E-03	-6.10E-05
	0.93	DEAD	1.04E-02	1.54E-03	-1.70E-04
	0.00	COBERT	2.05E-02	-1.16E-04	2.42E-06
	0.93	COBERT	2.05E-02	-1.16E-04	1.10E-04
	0.00	CORREAS	6.34E-03	6.25E-05	7.64E-05
	0.93	CORREAS	6.34E-03	6.25E-05	1.82E-05
	0.00	VIVA	8.18E-02	-4.63E-04	9.69E-06
	0.93	VIVA	8.18E-02	-4.63E-04	4.41E-04
	0.00	VIENTO	1.18E-01	-6.69E-04	1.40E-05
	0.93	VIENTO	1.18E-01	-6.69E-04	6.38E-04
	0.00	ESPECTRO	1.01E-02	4.86E-05	4.21E-06
	0.93	ESPECTRO	1.01E-02	4.86E-05	4.13E-05
	0.00	DEAD	8.49E-03	-1.52E-03	-1.06E-04
	0.92	DEAD	1.66E-02	1.68E-03	-1.77E-04
	0.00	COBERT	3.20E-02	-1.72E-04	-2.90E-05
	0.92	COBERT	3.20E-02	-1.72E-04	1.30E-04

ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
3190	COMB5	-0.1816	-0.1759	0.0007	0.0012	0.0007	-0.0002
	COMB6	0.0604	0.0662	-0.0004	0.0000	-0.0002	0.0000
	COMB7	-0.2421	-0.2516	0.0010	0.0015	0.0009	-0.0003
	COMB8	0.1512	0.1555	-0.0008	-0.0005	-0.0005	0.0001
	COMB9	-0.1052	-0.0995	0.0004	0.0009	0.0005	-0.0001
	COMB10	-0.0377	-0.0334	0.0001	0.0005	0.0002	-0.0001
3191							
	COMB1	-0.0444	-0.0378	-0.0001	0.0008	0.0003	-0.0001
	COMB2	-0.1600	-0.1544	0.0005	0.0013	0.0007	-0.0001
	COMB3	-0.2193	-0.2136	0.0008	0.0015	0.0010	-0.0001
	COMB4	0.0670	0.0726	-0.0005	0.0002	-0.0002	-0.0001
	COMB5	-0.1261	-0.1205	0.0003	0.0011	0.0006	-0.0001
	COMB6	0.0500	0.0557	-0.0004	0.0003	-0.0001	-0.0001
	COMB7	-0.1717	-0.1755	0.0006	0.0013	0.0008	-0.0001
	COMB8	0.1146	0.1188	-0.0007	-0.0001	-0.0004	0.0000
	COMB9	-0.0714	-0.0658	0.0001	0.0009	0.0004	-0.0001
	COMB10	-0.0238	-0.0196	0.0000	0.0006	0.0002	-0.0001
3192							
	COMB1	-0.0517	-0.0391	-0.0007	0.0016	0.0003	-0.0001
	COMB2	-0.1195	-0.1086	-0.0001	0.0019	0.0009	0.0001
	COMB3	-0.1560	-0.1452	0.0001	0.0021	0.0012	0.0002
	COMB4	0.0204	0.0312	-0.0010	0.0010	-0.0003	-0.0003
	COMB5	-0.0986	-0.0878	-0.0003	0.0017	0.0007	0.0000
	COMB6	0.0100	0.0208	-0.0009	0.0011	-0.0002	-0.0002
	COMB7	-0.1214	-0.1217	0.0001	0.0019	0.0010	0.0001
	COMB8	0.0550	0.0631	-0.0010	0.0005	-0.0005	-0.0003
	COMB9	-0.0652	-0.0544	-0.0004	0.0016	0.0005	0.0000
	COMB10	-0.0307	-0.0226	-0.0004	0.0011	0.0002	-0.0001
3193							
	COMB1	-0.0127	-0.0003	-0.0011	0.0018	0.0002	-0.0001
	COMB2	-0.0269	-0.0163	-0.0009	0.0016	0.0006	0.0003
	COMB3	-0.0347	-0.0241	-0.0009	0.0016	0.0008	0.0004
	COMB4	0.0029	0.0135	-0.0010	0.0015	-0.0001	-0.0004
	COMB5	-0.0224	-0.0118	-0.0009	0.0016	0.0005	0.0002
	COMB6	0.0007	0.0113	-0.0009	0.0015	-0.0001	-0.0004
	COMB7	-0.0270	-0.0191	-0.0007	0.0016	0.0006	0.0003
	COMB8	0.0106	0.0186	-0.0007	0.0011	-0.0003	-0.0005
	COMB9	-0.0121	-0.0015	-0.0009	0.0016	0.0003	0.0000
	COMB10	-0.0044	0.0035	-0.0007	0.0012	0.0002	0.0000
3194							
	COMB1	-0.0066	0.0055	-0.0015	0.0019	0.0001	-0.0001
	COMB2	0.0481	0.0585	-0.0017	0.0013	0.0003	0.0005
	COMB3	0.0743	0.0846	-0.0018	0.0011	0.0004	0.0007
	COMB4	-0.0520	-0.0416	-0.0010	0.0020	-0.0001	-0.0005
	COMB5	0.0332	0.0435	-0.0016	0.0014	0.0002	0.0003
	COMB6	-0.0445	-0.0342	-0.0010	0.0019	0.0000	-0.0005
	COMB7	0.0589	0.0678	-0.0014	0.0012	0.0003	0.0006
	COMB8	-0.0674	-0.0596	-0.0005	0.0017	-0.0002	-0.0007
	COMB9	0.0180	0.0283	-0.0014	0.0016	0.0002	0.0001
	COMB10	0.0026	0.0103	-0.0009	0.0013	0.0001	0.0000
3195							
	COMB1	0.0403	0.0521	-0.0019	0.0021	0.0000	-0.0001
	COMB2	0.1655	0.1756	-0.0024	0.0010	0.0000	0.0007
	COMB3	0.2292	0.2392	-0.0027	0.0007	0.0000	0.0010
	COMB4	-0.0782	-0.0681	-0.0010	0.0024	0.0000	-0.0007
	COMB5	0.1291	0.1392	-0.0022	0.0012	0.0000	0.0005
	COMB6	-0.0600	-0.0499	-0.0011	0.0023	0.0000	-0.0006
	COMB7	0.1796	0.1983	-0.0021	0.0009	0.0000	0.0008
	COMB8	-0.1278	-0.1202	-0.0003	0.0022	0.0000	-0.0009
	COMB9	0.0856	0.0957	-0.0018	0.0016	0.0000	0.0002
	COMB10	0.0361	0.0436	-0.0012	0.0014	0.0000	0.0000
	COMB1	0.0522	0.0637	-0.0024	0.0021	-0.0001	0.0000
	COMB2	0.2496	0.2594	-0.0031	0.0007	-0.0003	0.0008
	COMB3	0.3492	0.3589	-0.0037	0.0002	-0.0004	0.0012

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO AS-3 (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames

ELE.	Stat.	OutputCase	P	V2	M3
Text	m	Text	Ton	Ton	Ton-m
3196	0.00	CORREAS	-3.16E-03	1.79E-05	5.44E-05
	0.92	CORREAS	-3.16E-03	1.79E-05	3.79E-05
	0.00	VIVA	1.28E-01	-6.90E-04	-1.16E-04
	0.92	VIVA	1.28E-01	-6.90E-04	5.19E-04
	0.00	VIENTO	1.85E-01	-9.96E-04	-1.67E-04
	0.92	VIENTO	1.85E-01	-9.96E-04	7.50E-04
	0.00	ESPECTRO	1.35E-02	6.58E-05	1.33E-05
	0.92	ESPECTRO	1.35E-02	6.58E-05	4.76E-05
3197	0.00	DEAD	1.73E-02	-1.74E-03	-1.56E-04
	0.91	DEAD	2.52E-02	1.81E-03	-1.86E-04
	0.00	COBERT	4.33E-02	-2.22E-04	-6.78E-05
	0.91	COBERT	4.33E-02	-2.22E-04	1.35E-04
	0.00	CORREAS	1.58E-02	1.80E-05	4.99E-05
	0.91	CORREAS	1.58E-02	1.80E-05	3.35E-05
	0.00	VIVA	1.73E-01	-8.90E-04	-2.71E-04
	0.91	VIVA	1.73E-01	-8.90E-04	5.39E-04
	0.00	VIENTO	2.50E-01	-1.29E-03	-3.92E-04
	0.91	VIENTO	2.50E-01	-1.29E-03	7.79E-04
	0.00	ESPECTRO	1.67E-02	7.51E-05	1.95E-05
	0.91	ESPECTRO	1.67E-02	7.51E-05	4.92E-05
3198	0.00	DEAD	2.91E-02	-2.05E-03	-2.43E-04
	0.90	DEAD	3.68E-02	1.84E-03	-1.46E-04
	0.00	COBERT	5.84E-02	-4.59E-04	-1.90E-04
	0.90	COBERT	5.84E-02	-4.59E-04	2.23E-04
	0.00	CORREAS	8.34E-03	-9.53E-05	-3.67E-06
	0.90	CORREAS	8.34E-03	-9.53E-05	8.21E-05
	0.00	VIVA	2.34E-01	-1.84E-03	-7.61E-04
	0.90	VIVA	2.34E-01	-1.84E-03	8.93E-04
	0.00	VIENTO	3.37E-01	-2.65E-03	-1.10E-03
	0.90	VIENTO	3.37E-01	-2.65E-03	1.29E-03
	0.00	ESPECTRO	1.95E-02	1.19E-04	3.99E-05
	0.90	ESPECTRO	1.95E-02	1.19E-04	6.70E-05
3199	0.00	DEAD	4.09E-02	-2.36E-03	-3.39E-04
	0.89	DEAD	4.82E-02	1.85E-03	-1.13E-04
	0.00	COBERT	8.20E-02	-7.58E-04	-3.31E-04
	0.89	COBERT	8.20E-02	-7.58E-04	3.44E-04
	0.00	CORREAS	3.08E-02	-1.75E-04	-4.48E-05
	0.89	CORREAS	3.08E-02	-1.75E-04	1.11E-04
	0.00	VIVA	3.28E-01	-3.03E-03	-1.32E-03
	0.89	VIVA	3.28E-01	-3.03E-03	1.38E-03
	0.00	VIENTO	4.74E-01	-4.38E-03	-1.91E-03
	0.89	VIENTO	4.74E-01	-4.38E-03	1.99E-03
	0.00	ESPECTRO	2.20E-02	1.89E-04	7.28E-05
	0.89	ESPECTRO	2.20E-02	1.89E-04	9.57E-05
3200	0.00	DEAD	5.34E-02	-2.64E-03	-4.57E-04
	0.88	DEAD	6.04E-02	1.87E-03	-1.20E-04
	0.00	COBERT	1.06E-01	-9.53E-04	-4.11E-04
	0.88	COBERT	1.06E-01	-9.53E-04	4.28E-04
	0.00	CORREAS	2.55E-02	-2.13E-04	-9.05E-05
	0.88	CORREAS	2.55E-02	-2.13E-04	9.75E-05
	0.00	VIVA	4.25E-01	-3.81E-03	-1.64E-03
	0.88	VIVA	4.25E-01	-3.81E-03	1.71E-03
	0.00	VIENTO	6.13E-01	-5.51E-03	-2.37E-03
	0.88	VIENTO	6.13E-01	-5.51E-03	2.48E-03
	0.00	ESPECTRO	2.40E-02	9.75E-05	4.87E-05
	0.88	ESPECTRO	2.40E-02	9.75E-05	4.15E-05
3201	0.00	DEAD	7.49E-02	-3.52E-03	-6.24E-04
	0.87	DEAD	8.17E-02	1.28E-03	3.51E-04
	0.00	COBERT	1.23E-01	-7.71E-04	-3.12E-04
	0.87	COBERT	1.23E-01	-7.71E-04	3.60E-04
	0.00	CORREAS	5.26E-02	-5.96E-04	-2.04E-04
	0.87	CORREAS	5.26E-02	-5.96E-04	3.15E-04
	0.00	VIVA	4.90E-01	-3.09E-03	-1.25E-03
	0.87	VIVA	4.90E-01	-3.09E-03	1.44E-03
	0.00	VIENTO	7.08E-01	-4.46E-03	-1.80E-03
	0.87	VIENTO	7.08E-01	-4.46E-03	2.08E-03
	0.00	ESPECTRO	2.45E-02	1.15E-03	3.97E-04
	0.87	ESPECTRO	2.45E-02	1.15E-03	6.06E-04
	0.00	DEAD	-2.41E-03	-3.08E-03	-5.24E-04
	1.20	DEAD	-2.41E-03	2.74E-03	-3.20E-04
	0.00	COBERT	-3.76E-03	8.72E-05	4.58E-05

ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
3196	COMB4	-0.1316	-0.1218	-0.0011	0.0028	0.0001	-0.0007
	COMB5	0.1927	0.2025	-0.0028	0.0010	-0.0002	0.0006
	COMB6	-0.1031	-0.0933	-0.0012	0.0026	0.0000	-0.0006
	COMB7	0.2740	0.2950	-0.0028	0.0005	-0.0003	0.0010
	COMB8	-0.2068	-0.1994	-0.0002	0.0027	0.0001	-0.0010
	COMB9	0.1222	0.1320	-0.0023	0.0016	-0.0001	0.0003
	COMB10	0.0471	0.0544	-0.0014	0.0014	-0.0001	0.0000
3197							
	COMB1	0.1069	0.1180	-0.0027	0.0022	-0.0002	0.0000
	COMB2	0.3687	0.3782	-0.0038	0.0005	-0.0006	0.0008
	COMB3	0.5034	0.5129	-0.0045	-0.0002	-0.0009	0.0013
	COMB4	-0.1470	-0.1375	-0.0011	0.0032	0.0002	-0.0008
	COMB5	0.2917	0.3012	-0.0034	0.0009	-0.0005	0.0006
	COMB6	-0.1085	-0.0990	-0.0013	0.0030	0.0001	-0.0006
	COMB7	0.3939	0.4263	-0.0034	0.0003	-0.0007	0.0010
	COMB8	-0.2565	-0.2494	-0.0001	0.0031	0.0004	-0.0010
	COMB9	0.1949	0.2044	-0.0027	0.0016	-0.0003	0.0003
	COMB10	0.0854	0.0925	-0.0017	0.0015	-0.0001	0.0000
3198							
	COMB1	0.1342	0.1449	-0.0037	0.0018	-0.0006	0.0002
	COMB2	0.4888	0.4980	-0.0061	-0.0014	-0.0017	0.0016
	COMB3	0.6706	0.6798	-0.0075	-0.0028	-0.0023	0.0023
	COMB4	-0.2069	-0.1977	-0.0006	0.0041	0.0005	-0.0010
	COMB5	0.3850	0.3942	-0.0053	-0.0006	-0.0014	0.0012
	COMB6	-0.1549	-0.1458	-0.0010	0.0037	0.0004	-0.0008
	COMB7	0.5250	0.5630	-0.0058	-0.0019	-0.0018	0.0019
	COMB8	-0.3524	-0.3456	0.0011	0.0046	0.0010	-0.0015
	COMB9	0.2514	0.2605	-0.0039	0.0007	-0.0009	0.0007
	COMB10	0.1058	0.1127	-0.0022	0.0013	-0.0004	0.0002
3199							
	COMB1	0.2152	0.2255	-0.0046	0.0013	-0.0010	0.0005
	COMB2	0.7092	0.7180	-0.0088	-0.0037	-0.0030	0.0026
	COMB3	0.9644	0.9732	-0.0112	-0.0061	-0.0040	0.0037
	COMB4	-0.2675	-0.2587	0.0002	0.0053	0.0010	-0.0015
	COMB5	0.5635	0.5723	-0.0075	-0.0024	-0.0024	0.0020
	COMB6	-0.1946	-0.1858	-0.0004	0.0046	0.0007	-0.0012
	COMB7	0.7543	0.8092	-0.0087	-0.0046	-0.0031	0.0030
	COMB8	-0.4776	-0.4710	0.0027	0.0065	0.0018	-0.0023
	COMB9	0.3704	0.3793	-0.0053	-0.0002	-0.0014	0.0012
	COMB10	0.1603	0.1670	-0.0028	0.0010	-0.0006	0.0004
3200							
	COMB1	0.2590	0.2688	-0.0053	0.0010	-0.0013	0.0006
	COMB2	0.9012	0.9096	-0.0107	-0.0052	-0.0038	0.0032
	COMB3	1.2315	1.2399	-0.0136	-0.0082	-0.0051	0.0046
	COMB4	-0.3630	-0.3546	0.0007	0.0061	0.0011	-0.0019
	COMB5	0.7126	0.7211	-0.0090	-0.0036	-0.0030	0.0025
	COMB6	-0.2687	-0.2602	-0.0002	0.0053	0.0007	-0.0015
	COMB7	0.9637	1.0277	-0.0106	-0.0063	-0.0039	0.0037
	COMB8	-0.6308	-0.6244	0.0037	0.0078	0.0022	-0.0029
	COMB9	0.4582	0.4666	-0.0064	-0.0010	-0.0019	0.0014
	COMB10	0.1904	0.1968	-0.0033	0.0007	-0.0008	0.0004
3201							
	COMB1	0.3501	0.3596	-0.0068	-0.0001	-0.0016	0.0014
	COMB2	1.0846	1.0927	-0.0108	-0.0050	-0.0034	0.0035
	COMB3	1.4661	1.4742	-0.0132	-0.0074	-0.0043	0.0047
	COMB4	-0.3756	-0.3674	-0.0016	0.0041	0.0004	-0.0008
	COMB5	0.8668	0.8749	-0.0094	-0.0037	-0.0028	0.0029
	COMB6	-0.2665	-0.2584	-0.0023	0.0035	0.0001	-0.0004
	COMB7	1.1459	1.2291	-0.0102	-0.0059	-0.0034	0.0039
	COMB8	-0.6957	-0.6897	0.0014	0.0057	0.0013	-0.0018
	COMB9	0.5698	0.5779	-0.0063	-0.0005	-0.0016	0.0026
	COMB10	0.2496	0.2557	-0.0032	0.0011	-0.0006	0.0015
	COMB1	-0.0310	-0.0310	-0.0043	0.0038	-0.0007	-0.0004
	COMB2	-0.0507	-0.0507	-0.0031	0.0038	-0.0003	-0.0008

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO AS-3 (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames

ELE.	Stat.	OutputCase	P	V2	M3
Text	m	Text	Ton	Ton	Ton-m
1464	1.20	COBERT	-3.76E-03	8.72E-05	-5.85E-05
	0.00	CORREAS	-1.60E-02	-8.26E-05	-3.56E-05
	1.20	CORREAS	-1.60E-02	-8.26E-05	6.31E-05
	0.00	VIVA	-1.51E-02	3.49E-04	1.83E-04
	1.20	VIVA	-1.51E-02	3.49E-04	-2.34E-04
	0.00	VIENTO	-2.17E-02	5.04E-04	2.65E-04
	1.20	VIENTO	-2.17E-02	5.04E-04	-3.38E-04
	0.00	ESPECTRO	9.93E-05	1.82E-05	5.06E-06
	1.20	ESPECTRO	9.93E-05	1.82E-05	1.67E-05
3507	0.00	DEAD	1.34E-01	-1.94E-03	6.12E-05
	1.12	DEAD	1.44E-01	2.96E-03	-5.10E-04
	0.00	COBERT	-1.56E-02	-9.39E-05	2.04E-05
	1.12	COBERT	-1.56E-02	-9.39E-05	1.26E-04
	0.00	CORREAS	4.39E-02	8.05E-05	9.13E-05
	1.12	CORREAS	4.39E-02	8.05E-05	1.28E-06
	0.00	VIVA	-6.23E-02	-3.76E-04	8.17E-05
	1.12	VIVA	-6.23E-02	-3.76E-04	5.02E-04
	0.00	VIENTO	-9.00E-02	-5.43E-04	1.18E-04
	1.12	VIENTO	-9.00E-02	-5.43E-04	7.25E-04
	0.00	ESPECTRO	2.60E-02	8.92E-05	5.22E-05
	1.12	ESPECTRO	2.60E-02	8.92E-05	4.84E-05
3508	0.00	DEAD	1.04E-01	-1.65E-03	1.42E-04
	1.11	DEAD	1.14E-01	2.76E-03	-4.76E-04
	0.00	COBERT	-2.49E-02	-8.26E-05	5.03E-05
	1.11	COBERT	-2.49E-02	-8.26E-05	1.42E-04
	0.00	CORREAS	3.85E-02	2.00E-04	1.94E-04
	1.11	CORREAS	3.85E-02	2.00E-04	-2.81E-05
	0.00	VIVA	-9.95E-02	-3.31E-04	2.01E-04
	1.11	VIVA	-9.95E-02	-3.31E-04	5.68E-04
	0.00	VIENTO	-1.44E-01	-4.77E-04	2.91E-04
	1.11	VIENTO	-1.44E-01	-4.77E-04	8.20E-04
	0.00	ESPECTRO	2.56E-02	1.40E-04	8.61E-05
	1.11	ESPECTRO	2.56E-02	1.40E-04	7.00E-05
3509	0.00	DEAD	7.58E-02	-1.58E-03	9.43E-05
	1.10	DEAD	8.55E-02	2.35E-03	-3.28E-04
	0.00	COBERT	-3.79E-02	-1.57E-04	5.08E-06
	1.10	COBERT	-3.79E-02	-1.57E-04	1.78E-04
	0.00	CORREAS	1.65E-02	1.11E-04	1.42E-04
	1.10	CORREAS	1.65E-02	1.11E-04	1.93E-05
	0.00	VIVA	-1.52E-01	-6.29E-04	2.03E-05
	1.10	VIVA	-1.52E-01	-6.29E-04	7.10E-04
	0.00	VIENTO	-2.19E-01	-9.08E-04	2.94E-05
	1.10	VIENTO	-2.19E-01	-9.08E-04	1.03E-03
	0.00	ESPECTRO	2.53E-02	1.30E-04	8.11E-05
	1.10	ESPECTRO	2.53E-02	1.30E-04	6.37E-05
3510	0.00	DEAD	4.86E-02	-1.46E-03	7.38E-05
	1.09	DEAD	5.84E-02	1.98E-03	-2.07E-04
	0.00	COBERT	-4.96E-02	-2.12E-04	-2.44E-05
	1.09	COBERT	-4.96E-02	-2.12E-04	2.06E-04
	0.00	CORREAS	1.24E-02	4.65E-05	1.10E-04
	1.09	CORREAS	1.24E-02	4.65E-05	5.96E-05
	0.00	VIVA	-1.98E-01	-8.49E-04	-9.75E-05
	1.09	VIVA	-1.98E-01	-8.49E-04	8.25E-04
	0.00	VIENTO	-2.87E-01	-1.23E-03	-1.41E-04
	1.09	VIENTO	-2.87E-01	-1.23E-03	1.19E-03
	0.00	ESPECTRO	2.49E-02	1.31E-04	8.31E-05
	1.09	ESPECTRO	2.49E-02	1.31E-04	6.17E-05
3511	0.00	DEAD	2.26E-02	-1.35E-03	4.86E-05
	1.08	DEAD	3.24E-02	1.61E-03	-8.87E-05
	0.00	COBERT	-5.88E-02	-2.54E-04	-4.72E-05
	1.08	COBERT	-5.88E-02	-2.54E-04	2.26E-04
	0.00	CORREAS	-9.17E-03	-9.06E-06	8.08E-05
	1.08	CORREAS	-9.17E-03	-9.06E-06	9.05E-05
	0.00	VIVA	-2.35E-01	-1.02E-03	-1.89E-04
	1.08	VIVA	-2.35E-01	-1.02E-03	9.06E-04
	0.00	VIENTO	-3.40E-01	-1.47E-03	-2.73E-04
	1.08	VIENTO	-3.40E-01	-1.47E-03	1.31E-03
	0.00	ESPECTRO	2.44E-02	1.30E-04	8.38E-05
	1.08	ESPECTRO	2.44E-02	1.30E-04	5.89E-05
	0.00	DEAD	-2.46E-03	-1.23E-03	2.51E-05
	1.06	DEAD	7.37E-03	1.24E-03	2.31E-05

ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
1464	COMB3	-0.0624	-0.0624	-0.0029	0.0041	-0.0002	-0.0009
	COMB4	-0.0058	-0.0058	-0.0042	0.0028	-0.0009	-0.0001
	COMB5	-0.0440	-0.0440	-0.0033	0.0037	-0.0004	-0.0006
	COMB6	-0.0092	-0.0092	-0.0041	0.0029	-0.0008	-0.0001
	COMB7	-0.0482	-0.0549	-0.0021	0.0039	-0.0001	-0.0008
	COMB8	0.0083	0.0083	-0.0034	0.0018	-0.0008	0.0002
	COMB9	-0.0340	-0.0340	-0.0035	0.0035	-0.0005	-0.0005
	COMB10	-0.0198	-0.0198	-0.0027	0.0025	-0.0005	-0.0003
3507							
	COMB1	0.2277	0.2409	-0.0027	0.0041	0.0002	-0.0005
	COMB2	0.0954	0.1068	-0.0029	0.0029	0.0003	0.0003
	COMB3	0.0469	0.0583	-0.0032	0.0026	0.0004	0.0007
	COMB4	0.2810	0.2924	-0.0018	0.0041	0.0001	-0.0012
	COMB5	0.1231	0.1345	-0.0028	0.0031	0.0003	0.0001
	COMB6	0.2672	0.2785	-0.0019	0.0040	0.0001	-0.0010
	COMB7	0.0293	0.0895	-0.0025	0.0028	0.0003	0.0005
	COMB8	0.2634	0.2719	-0.0011	0.0034	0.0000	-0.0013
	COMB9	0.1899	0.2013	-0.0024	0.0034	0.0003	-0.0002
	COMB10	0.1723	0.1808	-0.0017	0.0027	0.0002	-0.0003
3508							
	COMB1	0.1648	0.1782	-0.0021	0.0040	0.0005	-0.0005
	COMB2	-0.0179	-0.0064	-0.0024	0.0029	0.0008	0.0005
	COMB3	-0.0952	-0.0837	-0.0026	0.0027	0.0009	0.0009
	COMB4	0.2783	0.2898	-0.0014	0.0039	0.0002	-0.0012
	COMB5	0.0263	0.0378	-0.0022	0.0031	0.0007	0.0002
	COMB6	0.2562	0.2677	-0.0015	0.0038	0.0002	-0.0011
	COMB7	-0.0808	-0.0340	-0.0020	0.0028	0.0007	0.0006
	COMB8	0.2927	0.3014	-0.0008	0.0032	0.0000	-0.0014
	COMB9	0.1172	0.1287	-0.0019	0.0034	0.0006	-0.0001
	COMB10	0.1316	0.1402	-0.0012	0.0027	0.0004	-0.0003
3509							
	COMB1	0.0761	0.0896	-0.0023	0.0032	0.0003	-0.0002
	COMB2	-0.1774	-0.1658	-0.0030	0.0018	0.0003	0.0010
	COMB3	-0.2954	-0.2837	-0.0034	0.0013	0.0003	0.0015
	COMB4	0.2741	0.2857	-0.0011	0.0036	0.0003	-0.0011
	COMB5	-0.1100	-0.0984	-0.0027	0.0020	0.0003	0.0007
	COMB6	0.2404	0.2520	-0.0012	0.0035	0.0003	-0.0010
	COMB7	-0.2358	-0.2079	-0.0026	0.0016	0.0003	0.0012
	COMB8	0.3336	0.3423	-0.0003	0.0033	0.0002	-0.0015
	COMB9	0.0147	0.0263	-0.0021	0.0026	0.0004	0.0003
	COMB10	0.0742	0.0829	-0.0013	0.0022	0.0003	-0.0001
3510							
	COMB1	0.0160	0.0297	-0.0023	0.0025	0.0002	0.0001
	COMB2	-0.3036	-0.2919	-0.0033	0.0008	0.0000	0.0014
	COMB3	-0.4579	-0.4462	-0.0040	0.0002	0.0000	0.0020
	COMB4	0.2870	0.2987	-0.0008	0.0033	0.0003	-0.0011
	COMB5	-0.2155	-0.2038	-0.0029	0.0012	0.0001	0.0010
	COMB6	0.2429	0.2546	-0.0010	0.0032	0.0003	-0.0009
	COMB7	-0.3622	-0.3470	-0.0031	0.0006	0.0000	0.0016
	COMB8	0.3827	0.3915	0.0001	0.0032	0.0003	-0.0015
	COMB9	-0.0606	-0.0489	-0.0022	0.0019	0.0002	0.0005
	COMB10	0.0352	0.0439	-0.0013	0.0018	0.0002	0.0001
3511							
	COMB1	-0.0636	-0.0499	-0.0023	0.0019	0.0001	0.0003
	COMB2	-0.4311	-0.4194	-0.0036	0.0000	-0.0002	0.0017
	COMB3	-0.6143	-0.6025	-0.0044	-0.0008	-0.0004	0.0024
	COMB4	0.2698	0.2816	-0.0005	0.0030	0.0004	-0.0010
	COMB5	-0.3266	-0.3148	-0.0031	0.0004	-0.0001	0.0013
	COMB6	0.2175	0.2292	-0.0008	0.0028	0.0003	-0.0008
	COMB7	-0.4829	-0.4848	-0.0034	-0.0003	-0.0003	0.0020
	COMB8	0.4011	0.4099	0.0005	0.0031	0.0004	-0.0015
	COMB9	-0.1478	-0.1360	-0.0023	0.0012	0.0001	0.0008
	COMB10	-0.0165	-0.0077	-0.0013	0.0013	0.0002	0.0003
	COMB1	-0.1122	-0.0984	-0.0022	0.0012	0.0000	0.0005

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO AS-3 (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames

ELE.	Stat.	OutputCase	P	V2	M3
Text	m	Text	Ton	Ton	Ton-m
3512	0.00	COBERT	-6.63E-02	-2.91E-04	-6.75E-05
	1.06	COBERT	-6.63E-02	-2.91E-04	2.42E-04
	0.00	CORREAS	-1.13E-02	-7.59E-05	4.68E-05
	1.06	CORREAS	-1.13E-02	-7.59E-05	1.28E-04
	0.00	VIVA	-2.65E-01	-1.16E-03	-2.70E-04
	1.06	VIVA	-2.65E-01	-1.16E-03	9.67E-04
	0.00	VIENTO	-3.83E-01	-1.68E-03	-3.90E-04
	1.06	VIENTO	-3.83E-01	-1.68E-03	1.40E-03
	0.00	ESPECTRO	2.39E-02	1.28E-04	8.42E-05
	1.06	ESPECTRO	2.39E-02	1.28E-04	5.57E-05
3513	0.00	DEAD	-2.62E-02	-1.11E-03	2.58E-06
	1.05	DEAD	-1.63E-02	8.77E-04	1.24E-04
	0.00	COBERT	-7.27E-02	-3.20E-04	-8.76E-05
	1.05	COBERT	-7.27E-02	-3.20E-04	2.49E-04
	0.00	CORREAS	-3.25E-02	-1.22E-04	2.07E-05
	1.05	CORREAS	-3.25E-02	-1.22E-04	1.49E-04
	0.00	VIVA	-2.91E-01	-1.28E-03	-3.50E-04
	1.05	VIVA	-2.91E-01	-1.28E-03	9.98E-04
	0.00	VIENTO	-4.20E-01	-1.85E-03	-5.06E-04
	1.05	VIENTO	-4.20E-01	-1.85E-03	1.44E-03
	0.00	ESPECTRO	2.31E-02	1.24E-04	8.43E-05
	1.05	ESPECTRO	2.31E-02	1.24E-04	5.08E-05
3514	0.00	DEAD	-4.91E-02	-1.02E-03	-2.48E-05
	1.04	DEAD	-3.93E-02	4.85E-04	2.55E-04
	0.00	COBERT	-7.90E-02	-3.98E-04	-1.14E-04
	1.04	COBERT	-7.90E-02	-3.98E-04	3.01E-04
	0.00	CORREAS	-3.30E-02	-2.17E-04	-1.77E-05
	1.04	CORREAS	-3.30E-02	-2.17E-04	2.08E-04
	0.00	VIVA	-3.16E-01	-1.59E-03	-4.56E-04
	1.04	VIVA	-3.16E-01	-1.59E-03	1.20E-03
	0.00	VIENTO	-4.57E-01	-2.30E-03	-6.59E-04
	1.04	VIENTO	-4.57E-01	-2.30E-03	1.74E-03
	0.00	ESPECTRO	2.22E-02	1.31E-04	8.45E-05
	1.04	ESPECTRO	2.22E-02	1.31E-04	5.64E-05
3515	0.00	DEAD	-6.81E-02	-5.47E-04	-5.53E-05
	1.03	DEAD	-6.31E-02	-2.04E-05	2.37E-04
	0.00	COBERT	-8.13E-02	-3.07E-04	-1.08E-04
	1.03	COBERT	-8.13E-02	-3.07E-04	2.08E-04
	0.00	CORREAS	-5.20E-02	-1.86E-04	-4.41E-05
	1.03	CORREAS	-5.20E-02	-1.86E-04	1.47E-04
	0.00	VIVA	-3.25E-01	-1.23E-03	-4.34E-04
	1.03	VIVA	-3.25E-01	-1.23E-03	8.32E-04
	0.00	VIENTO	-4.70E-01	-1.77E-03	-6.27E-04
	1.03	VIENTO	-4.70E-01	-1.77E-03	1.20E-03
	0.00	ESPECTRO	2.03E-02	8.75E-05	5.58E-05
	1.03	ESPECTRO	2.03E-02	8.75E-05	3.70E-05
3516	0.00	DEAD	-9.18E-02	-5.49E-04	-1.06E-04
	1.02	DEAD	-8.68E-02	-2.62E-04	3.07E-04
	0.00	COBERT	-8.50E-02	-3.54E-04	-1.45E-04
	1.02	COBERT	-8.50E-02	-3.54E-04	2.16E-04
	0.00	CORREAS	-5.02E-02	-2.50E-04	-8.20E-05
	1.02	CORREAS	-5.02E-02	-2.50E-04	1.73E-04
	0.00	VIVA	-3.40E-01	-1.42E-03	-5.82E-04
	1.02	VIVA	-3.40E-01	-1.42E-03	8.63E-04
	0.00	VIENTO	-4.91E-01	-2.05E-03	-8.40E-04
	1.02	VIENTO	-4.91E-01	-2.05E-03	1.25E-03
	0.00	ESPECTRO	1.89E-02	8.98E-05	6.04E-05
	1.02	ESPECTRO	1.89E-02	8.98E-05	3.40E-05
3517	0.00	DEAD	-1.13E-01	-5.24E-04	-1.36E-04
	1.01	DEAD	-1.08E-01	-4.73E-04	3.66E-04
	0.00	COBERT	-8.64E-02	-3.57E-04	-1.47E-04
	1.01	COBERT	-8.64E-02	-3.57E-04	2.13E-04
	0.00	CORREAS	-6.86E-02	-2.68E-04	-9.21E-05
	1.01	CORREAS	-6.86E-02	-2.68E-04	1.78E-04
	0.00	VIVA	-3.46E-01	-1.43E-03	-5.88E-04
	1.01	VIVA	-3.46E-01	-1.43E-03	8.50E-04
	0.00	VIENTO	-4.99E-01	-2.06E-03	-8.49E-04
	1.01	VIENTO	-4.99E-01	-2.06E-03	1.23E-03
	0.00	ESPECTRO	1.68E-02	7.93E-05	5.55E-05
	1.01	ESPECTRO	1.68E-02	7.93E-05	2.80E-05
	0.00	DEAD	-1.32E-01	4.92E-04	1.64E-04

ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
3512	COMB2	-0.5205	-0.5087	-0.0038	-0.0008	-0.0004	0.0020
	COMB3	-0.7268	-0.7151	-0.0047	-0.0017	-0.0006	0.0028
	COMB4	0.2694	0.2812	-0.0003	0.0026	0.0004	-0.0009
	COMB5	-0.4027	-0.3909	-0.0033	-0.0003	-0.0003	0.0016
	COMB6	0.2104	0.2222	-0.0006	0.0024	0.0003	-0.0006
	COMB7	-0.5702	-0.5824	-0.0036	-0.0011	-0.0005	0.0023
	COMB8	0.4260	0.4349	0.0007	0.0030	0.0005	-0.0015
	COMB9	-0.2049	-0.1931	-0.0024	0.0006	0.0000	0.0010
	COMB10	-0.0482	-0.0394	-0.0013	0.0009	0.0001	0.0004
3513							
	COMB1	-0.1839	-0.1701	-0.0022	0.0006	-0.0001	0.0007
	COMB2	-0.6228	-0.6110	-0.0039	-0.0015	-0.0006	0.0022
	COMB3	-0.8490	-0.8372	-0.0049	-0.0025	-0.0009	0.0030
	COMB4	0.2430	0.2548	-0.0001	0.0023	0.0004	-0.0007
	COMB5	-0.4936	-0.4818	-0.0033	-0.0010	-0.0005	0.0018
	COMB6	0.1784	0.1902	-0.0004	0.0020	0.0003	-0.0005
	COMB7	-0.6642	-0.6919	-0.0038	-0.0019	-0.0007	0.0025
	COMB8	0.4278	0.4367	0.0010	0.0028	0.0006	-0.0014
	COMB9	-0.2799	-0.2681	-0.0024	0.0000	-0.0002	0.0012
	COMB10	-0.0952	-0.0863	-0.0013	0.0005	0.0000	0.0005
3514							
	COMB1	-0.2256	-0.2119	-0.0023	-0.0002	-0.0002	0.0011
	COMB2	-0.6992	-0.6874	-0.0045	-0.0027	-0.0009	0.0028
	COMB3	-0.9452	-0.9334	-0.0057	-0.0039	-0.0013	0.0038
	COMB4	0.2423	0.2541	0.0002	0.0020	0.0004	-0.0007
	COMB5	-0.5588	-0.5470	-0.0038	-0.0020	-0.0007	0.0023
	COMB6	0.1720	0.1838	-0.0001	0.0017	0.0003	-0.0005
	COMB7	-0.7388	-0.7754	-0.0045	-0.0031	-0.0010	0.0032
	COMB8	0.4487	0.4575	0.0015	0.0029	0.0007	-0.0016
	COMB9	-0.3293	-0.3175	-0.0026	-0.0008	-0.0003	0.0016
	COMB10	-0.1228	-0.1140	-0.0013	0.0000	-0.0001	0.0007
3515							
	COMB1	-0.2819	-0.2750	-0.0015	-0.0007	-0.0003	0.0008
	COMB2	-0.7621	-0.7562	-0.0032	-0.0026	-0.0009	0.0020
	COMB3	-1.0153	-1.0093	-0.0042	-0.0035	-0.0013	0.0027
	COMB4	0.2066	0.2126	0.0004	0.0011	0.0003	-0.0004
	COMB5	-0.6176	-0.6116	-0.0027	-0.0020	-0.0008	0.0017
	COMB6	0.1343	0.1403	0.0002	0.0008	0.0003	-0.0003
	COMB7	-0.7922	-0.8466	-0.0032	-0.0029	-0.0010	0.0023
	COMB8	0.4297	0.4342	0.0014	0.0018	0.0006	-0.0010
	COMB9	-0.3840	-0.3780	-0.0018	-0.0011	-0.0004	0.0012
	COMB10	-0.1609	-0.1565	-0.0008	-0.0004	-0.0001	0.0006
3516							
	COMB1	-0.3178	-0.3109	-0.0016	-0.0012	-0.0005	0.0010
	COMB2	-0.8165	-0.8105	-0.0037	-0.0033	-0.0013	0.0022
	COMB3	-1.0811	-1.0751	-0.0048	-0.0044	-0.0018	0.0029
	COMB4	0.1962	0.2021	0.0006	0.0009	0.0004	-0.0004
	COMB5	-0.6654	-0.6595	-0.0030	-0.0027	-0.0011	0.0018
	COMB6	0.1206	0.1265	0.0003	0.0006	0.0003	-0.0002
	COMB7	-0.8429	-0.9051	-0.0037	-0.0037	-0.0014	0.0025
	COMB8	0.4343	0.4388	0.0016	0.0019	0.0008	-0.0010
	COMB9	-0.4235	-0.4176	-0.0020	-0.0017	-0.0006	0.0013
	COMB10	-0.1854	-0.1809	-0.0009	-0.0007	-0.0002	0.0007
3517							
	COMB1	-0.3751	-0.3682	-0.0016	-0.0015	-0.0005	0.0011
	COMB2	-0.8743	-0.8684	-0.0037	-0.0036	-0.0014	0.0023
	COMB3	-1.1431	-1.1372	-0.0048	-0.0047	-0.0018	0.0029
	COMB4	0.1547	0.1605	0.0006	0.0006	0.0004	-0.0003
	COMB5	-0.7208	-0.7149	-0.0030	-0.0030	-0.0011	0.0019
	COMB6	0.0778	0.0837	0.0003	0.0003	0.0002	-0.0001
	COMB7	-0.8900	-0.9645	-0.0037	-0.0040	-0.0014	0.0025
	COMB8	0.4078	0.4122	0.0016	0.0017	0.0008	-0.0009
	COMB9	-0.4774	-0.4715	-0.0020	-0.0020	-0.0007	0.0014
	COMB10	-0.2243	-0.2199	-0.0010	-0.0009	-0.0003	0.0007

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO AS-3 (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames

ELE.	Stat.	OutputCase	P	V2	M3
Text	m	Text	Ton	Ton	Ton-m
3518	1.00	DEAD	-1.27E-01	6.72E-04	-4.16E-04
	0.00	COBERT	-8.65E-02	3.56E-04	1.49E-04
	1.00	COBERT	-8.65E-02	3.56E-04	-2.06E-04
	0.00	CORREAS	-6.35E-02	3.10E-04	1.14E-04
	1.00	CORREAS	-6.35E-02	3.10E-04	-1.95E-04
	0.00	VIVA	-3.46E-01	1.42E-03	5.97E-04
	1.00	VIVA	-3.46E-01	1.42E-03	-8.24E-04
	0.00	VIENTO	-5.00E-01	2.06E-03	8.62E-04
	1.00	VIENTO	-5.00E-01	2.06E-03	-1.19E-03
	0.00	ESPECTRO	1.43E-02	6.77E-05	5.04E-05
	1.00	ESPECTRO	1.43E-02	6.77E-05	2.16E-05
3519	0.00	DEAD	-1.48E-01	4.56E-04	1.87E-04
	0.99	DEAD	-1.44E-01	8.63E-04	-4.63E-04
	0.00	COBERT	-8.54E-02	3.52E-04	1.48E-04
	0.99	COBERT	-8.54E-02	3.52E-04	-1.99E-04
	0.00	CORREAS	-7.99E-02	3.18E-04	1.19E-04
	0.99	CORREAS	-7.99E-02	3.18E-04	-1.94E-04
	0.00	VIVA	-3.42E-01	1.41E-03	5.93E-04
	0.99	VIVA	-3.42E-01	1.41E-03	-7.97E-04
	0.00	VIENTO	-4.94E-01	2.04E-03	8.57E-04
	0.99	VIENTO	-4.94E-01	2.04E-03	-1.15E-03
	0.00	ESPECTRO	1.14E-02	5.41E-05	4.42E-05
	0.99	ESPECTRO	1.14E-02	5.41E-05	1.56E-05
3520	0.00	DEAD	-1.61E-01	3.38E-04	1.93E-04
	0.97	DEAD	-1.56E-01	9.66E-04	-4.43E-04
	0.00	COBERT	-8.21E-02	3.07E-04	1.38E-04
	0.97	COBERT	-8.21E-02	3.07E-04	-1.61E-04
	0.00	CORREAS	-7.08E-02	3.14E-04	1.30E-04
	0.97	CORREAS	-7.08E-02	3.14E-04	-1.77E-04
	0.00	VIVA	-3.28E-01	1.23E-03	5.50E-04
	0.97	VIVA	-3.28E-01	1.23E-03	-6.46E-04
	0.00	VIENTO	-4.75E-01	1.77E-03	7.95E-04
	0.97	VIENTO	-4.75E-01	1.77E-03	-9.33E-04
	0.00	ESPECTRO	8.15E-03	3.74E-05	3.74E-05
	0.97	ESPECTRO	8.15E-03	3.74E-05	1.10E-05
3521	0.00	DEAD	-1.76E-01	1.49E-04	2.32E-04
	0.96	DEAD	-1.67E-01	1.80E-03	-7.07E-04
	0.00	COBERT	-7.99E-02	3.98E-04	1.74E-04
	0.96	COBERT	-7.99E-02	3.98E-04	-2.10E-04
	0.00	CORREAS	-8.73E-02	4.33E-04	1.70E-04
	0.96	CORREAS	-8.73E-02	4.33E-04	-2.47E-04
	0.00	VIVA	-3.20E-01	1.59E-03	6.96E-04
	0.96	VIVA	-3.20E-01	1.59E-03	-8.38E-04
	0.00	VIENTO	-4.62E-01	2.30E-03	1.01E-03
	0.96	VIENTO	-4.62E-01	2.30E-03	-1.21E-03
	0.00	ESPECTRO	4.99E-03	3.11E-05	4.91E-05
	0.96	ESPECTRO	4.99E-03	3.11E-05	2.50E-05
3522	0.00	DEAD	-1.78E-01	-1.60E-04	1.28E-04
	0.95	DEAD	-1.69E-01	1.90E-03	-7.01E-04
	0.00	COBERT	-7.24E-02	2.90E-04	1.06E-04
	0.95	COBERT	-7.24E-02	2.90E-04	-1.71E-04
	0.00	CORREAS	-7.42E-02	3.99E-04	1.42E-04
	0.95	CORREAS	-7.42E-02	3.99E-04	-2.38E-04
	0.00	VIVA	-2.89E-01	1.16E-03	4.25E-04
	0.95	VIVA	-2.89E-01	1.16E-03	-6.82E-04
	0.00	VIENTO	-4.18E-01	1.68E-03	6.14E-04
	0.95	VIENTO	-4.18E-01	1.68E-03	-9.85E-04
	0.00	ESPECTRO	3.93E-03	5.17E-06	3.47E-05
	0.95	ESPECTRO	3.93E-03	5.17E-06	3.54E-05
3523	0.00	DEAD	-1.79E-01	-3.53E-04	1.22E-04
	0.94	DEAD	-1.70E-01	2.10E-03	-7.01E-04
	0.00	COBERT	-6.31E-02	2.40E-04	8.95E-05
	0.94	COBERT	-6.31E-02	2.40E-04	-1.37E-04
	0.00	CORREAS	-8.64E-02	3.77E-04	1.40E-04
	0.94	CORREAS	-8.64E-02	3.77E-04	-2.15E-04
	0.00	VIVA	-2.52E-01	9.62E-04	3.58E-04
	0.94	VIVA	-2.52E-01	9.62E-04	-5.48E-04
	0.00	VIENTO	-3.65E-01	1.39E-03	5.17E-04
	0.94	VIENTO	-3.65E-01	1.39E-03	-7.91E-04
	0.00	ESPECTRO	7.41E-03	2.53E-05	2.24E-05
	0.94	ESPECTRO	7.41E-03	2.53E-05	4.61E-05

ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
3518	COMB1	-0.3946	-0.3878	0.0016	0.0019	0.0006	-0.0011
	COMB2	-0.8919	-0.8861	0.0037	0.0039	0.0015	-0.0023
	COMB3	-1.1611	-1.1553	0.0048	0.0050	0.0019	-0.0029
	COMB4	0.1386	0.1444	-0.0006	-0.0004	-0.0003	0.0002
	COMB5	-0.7381	-0.7323	0.0030	0.0033	0.0012	-0.0019
	COMB6	0.0617	0.0675	-0.0003	0.0000	-0.0002	0.0000
	COMB7	-0.9035	-0.9823	0.0037	0.0043	0.0015	-0.0025
	COMB8	0.3962	0.4006	-0.0016	-0.0015	-0.0007	0.0008
	COMB9	-0.4969	-0.4911	0.0022	0.0024	0.0009	-0.0014
	COMB10	-0.2393	-0.2350	0.0011	0.0013	0.0004	-0.0007
3519	COMB1	-0.4394	-0.4327	0.0016	0.0021	0.0006	-0.0012
	COMB2	-0.9235	-0.9177	0.0036	0.0041	0.0015	-0.0023
	COMB3	-1.1894	-1.1836	0.0047	0.0052	0.0020	-0.0029
	COMB4	0.0943	0.1000	-0.0006	-0.0001	-0.0003	0.0001
	COMB5	-0.7716	-0.7659	0.0030	0.0035	0.0012	-0.0019
	COMB6	0.0183	0.0241	-0.0003	0.0002	-0.0001	-0.0001
	COMB7	-0.9243	-1.0128	0.0037	0.0045	0.0015	-0.0025
	COMB8	0.3593	0.3636	-0.0016	-0.0013	-0.0007	0.0007
	COMB9	-0.5361	-0.5304	0.0021	0.0026	0.0009	-0.0014
	COMB10	-0.2711	-0.2668	0.0011	0.0014	0.0005	-0.0008
3520	COMB1	-0.4393	-0.4327	0.0013	0.0022	0.0006	-0.0011
	COMB2	-0.9021	-0.8964	0.0031	0.0039	0.0014	-0.0020
	COMB3	-1.1577	-1.1520	0.0041	0.0048	0.0019	-0.0025
	COMB4	0.0762	0.0818	-0.0005	0.0002	-0.0002	0.0000
	COMB5	-0.7562	-0.7505	0.0026	0.0033	0.0012	-0.0017
	COMB6	0.0031	0.0088	-0.0003	0.0005	-0.0001	-0.0002
	COMB7	-0.8993	-0.9878	0.0032	0.0042	0.0014	-0.0021
	COMB8	0.3345	0.3388	-0.0014	-0.0009	-0.0006	0.0005
	COMB9	-0.5326	-0.5270	0.0018	0.0026	0.0009	-0.0012
	COMB10	-0.2742	-0.2700	0.0009	0.0015	0.0005	-0.0007
3521	COMB1	-0.4809	-0.4683	0.0014	0.0037	0.0008	-0.0016
	COMB2	-0.9235	-0.9127	0.0037	0.0057	0.0018	-0.0027
	COMB3	-1.1721	-1.1613	0.0050	0.0069	0.0023	-0.0034
	COMB4	0.0282	0.0390	-0.0010	0.0010	-0.0003	-0.0002
	COMB5	-0.7815	-0.7707	0.0030	0.0050	0.0015	-0.0024
	COMB6	-0.0429	-0.0321	-0.0007	0.0013	-0.0001	-0.0004
	COMB7	-0.9093	-1.0015	0.0039	0.0061	0.0018	-0.0030
	COMB8	0.2910	0.2991	-0.0021	-0.0006	-0.0008	0.0005
	COMB9	-0.5670	-0.5562	0.0020	0.0040	0.0011	-0.0018
	COMB10	-0.3042	-0.2960	0.0009	0.0024	0.0006	-0.0010
3522	COMB1	-0.4549	-0.4425	0.0007	0.0036	0.0005	-0.0016
	COMB2	-0.8530	-0.8424	0.0025	0.0050	0.0011	-0.0024
	COMB3	-1.0783	-1.0677	0.0034	0.0059	0.0015	-0.0030
	COMB4	0.0090	0.0196	-0.0010	0.0015	-0.0001	-0.0004
	COMB5	-0.7244	-0.7138	0.0020	0.0044	0.0009	-0.0021
	COMB6	-0.0553	-0.0447	-0.0007	0.0018	0.0000	-0.0005
	COMB7	-0.8361	-0.9229	0.0027	0.0053	0.0011	-0.0026
	COMB8	0.2512	0.2592	-0.0017	0.0001	-0.0005	0.0003
	COMB9	-0.5307	-0.5201	0.0012	0.0037	0.0007	-0.0016
	COMB10	-0.2885	-0.2805	0.0005	0.0023	0.0004	-0.0010
3523	COMB1	-0.4595	-0.4474	0.0004	0.0038	0.0005	-0.0015
	COMB2	-0.7977	-0.7873	0.0019	0.0048	0.0010	-0.0021
	COMB3	-0.9941	-0.9837	0.0026	0.0056	0.0013	-0.0026
	COMB4	-0.0461	-0.0357	-0.0010	0.0019	-0.0001	-0.0005
	COMB5	-0.6856	-0.6752	0.0014	0.0044	0.0008	-0.0019
	COMB6	-0.1022	-0.0918	-0.0008	0.0022	0.0000	-0.0006
	COMB7	-0.7694	-0.8575	0.0020	0.0051	0.0010	-0.0023
	COMB8	0.1786	0.1864	-0.0016	0.0006	-0.0004	0.0001
	COMB9	-0.5126	-0.5023	0.0008	0.0038	0.0006	-0.0015
	COMB10	-0.2880	-0.2802	0.0003	0.0025	0.0003	-0.0009

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO AS-3 (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames

ELE.	Stat.	OutputCase	P	V2	M3
Text	m	Text	Ton	Ton	Ton-m
3524	0.00	DEAD	-1.75E-01	-5.70E-04	9.96E-05
	0.93	DEAD	-1.67E-01	2.27E-03	-6.91E-04
	0.00	COBERT	-5.18E-02	1.84E-04	6.79E-05
	0.93	COBERT	-5.18E-02	1.84E-04	-1.03E-04
	0.00	CORREAS	-7.03E-02	3.79E-04	1.46E-04
	0.93	CORREAS	-7.03E-02	3.79E-04	-2.06E-04
	0.00	VIVA	-2.07E-01	7.35E-04	2.72E-04
	0.93	VIVA	-2.07E-01	7.35E-04	-4.13E-04
	0.00	VIENTO	-3.00E-01	1.06E-03	3.92E-04
	0.93	VIENTO	-3.00E-01	1.06E-03	-5.96E-04
	0.00	ESPECTRO	1.24E-02	5.23E-05	9.74E-06
	0.93	ESPECTRO	1.24E-02	5.23E-05	5.69E-05
3525	0.00	DEAD	-1.68E-01	-7.92E-04	7.25E-05
	0.92	DEAD	-1.60E-01	2.41E-03	-6.73E-04
	0.00	COBERT	-4.04E-02	1.31E-04	4.57E-05
	0.92	COBERT	-4.04E-02	1.31E-04	-7.51E-05
	0.00	CORREAS	-7.93E-02	3.34E-04	1.32E-04
	0.92	CORREAS	-7.93E-02	3.34E-04	-1.76E-04
	0.00	VIVA	-1.62E-01	5.25E-04	1.83E-04
	0.92	VIVA	-1.62E-01	5.25E-04	-3.00E-04
	0.00	VIENTO	-2.34E-01	7.58E-04	2.64E-04
	0.92	VIENTO	-2.34E-01	7.58E-04	-4.34E-04
	0.00	ESPECTRO	1.78E-02	8.16E-05	9.43E-06
	0.92	ESPECTRO	1.78E-02	8.16E-05	6.78E-05
3526	0.00	DEAD	-1.57E-01	-1.07E-03	2.15E-05
	0.91	DEAD	-1.49E-01	2.48E-03	-6.22E-04
	0.00	COBERT	-2.87E-02	5.86E-05	7.11E-06
	0.91	COBERT	-2.87E-02	5.86E-05	-4.63E-05
	0.00	CORREAS	-5.93E-02	3.08E-04	1.26E-04
	0.91	CORREAS	-5.93E-02	3.08E-04	-1.54E-04
	0.00	VIVA	-1.15E-01	2.34E-04	2.84E-05
	0.91	VIVA	-1.15E-01	2.34E-04	-1.85E-04
	0.00	VIENTO	-1.66E-01	3.39E-04	4.11E-05
	0.91	VIENTO	-1.66E-01	3.39E-04	-2.67E-04
	0.00	ESPECTRO	2.36E-02	1.02E-04	2.08E-05
	0.91	ESPECTRO	2.36E-02	1.02E-04	7.27E-05
3527	0.00	DEAD	-1.41E-01	-1.09E-03	7.09E-05
	0.90	DEAD	-1.34E-01	2.80E-03	-6.99E-04
	0.00	COBERT	-1.25E-02	-5.72E-05	-5.85E-05
	0.90	COBERT	-1.25E-02	-5.72E-05	-7.02E-06
	0.00	CORREAS	-6.52E-02	3.19E-04	1.32E-04
	0.90	CORREAS	-6.52E-02	3.19E-04	-1.56E-04
	0.00	VIVA	-5.01E-02	-2.29E-04	-2.34E-04
	0.90	VIVA	-5.01E-02	-2.29E-04	-2.81E-05
	0.00	VIENTO	-7.23E-02	-3.30E-04	-3.38E-04
	0.90	VIENTO	-7.23E-02	-3.30E-04	-4.06E-05
	0.00	ESPECTRO	2.93E-02	1.77E-04	5.60E-05
	0.90	ESPECTRO	2.93E-02	1.77E-04	1.03E-04
3528	0.00	DEAD	-1.27E-01	-1.11E-03	1.45E-04
	0.89	DEAD	-1.19E-01	3.10E-03	-7.40E-04
	0.00	COBERT	1.21E-02	-2.35E-04	-1.28E-04
	0.89	COBERT	1.21E-02	-2.35E-04	8.11E-05
	0.00	CORREAS	-4.13E-02	3.63E-04	1.64E-04
	0.89	CORREAS	-4.13E-02	3.63E-04	-1.59E-04
	0.00	VIVA	4.86E-02	-9.39E-04	-5.11E-04
	0.89	VIVA	4.86E-02	-9.39E-04	3.25E-04
	0.00	VIENTO	7.02E-02	-1.36E-03	-7.39E-04
	0.89	VIENTO	7.02E-02	-1.36E-03	4.69E-04
	0.00	ESPECTRO	3.46E-02	2.83E-04	1.10E-04
	0.89	ESPECTRO	3.46E-02	2.83E-04	1.42E-04
3529	0.00	DEAD	-1.07E-01	-1.33E-03	1.09E-04
	0.88	DEAD	-1.00E-01	3.18E-03	-7.05E-04
	0.00	COBERT	3.92E-02	-4.21E-04	-1.79E-04
	0.88	COBERT	3.92E-02	-4.21E-04	1.92E-04
	0.00	CORREAS	-4.37E-02	3.48E-04	1.51E-04
	0.88	CORREAS	-4.37E-02	3.48E-04	-1.55E-04
	0.00	VIVA	1.57E-01	-1.68E-03	-7.15E-04
	0.88	VIVA	1.57E-01	-1.68E-03	7.69E-04
	0.00	VIENTO	2.26E-01	-2.43E-03	-1.03E-03
	0.88	VIENTO	2.26E-01	-2.43E-03	1.11E-03
	0.00	ESPECTRO	4.04E-02	2.63E-04	1.11E-04

ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
3524	COMB1	-0.4161	-0.4044	0.0000	0.0040	0.0004	-0.0014
	COMB2	-0.6884	-0.6783	0.0012	0.0046	0.0008	-0.0019
	COMB3	-0.8497	-0.8397	0.0017	0.0051	0.0010	-0.0022
	COMB4	-0.0710	-0.0609	-0.0010	0.0024	0.0000	-0.0006
	COMB5	-0.5963	-0.5862	0.0008	0.0042	0.0007	-0.0017
	COMB6	-0.1171	-0.1070	-0.0009	0.0025	0.0001	-0.0007
	COMB7	-0.6569	-0.7360	0.0014	0.0048	0.0008	-0.0020
	COMB8	0.1219	0.1294	-0.0014	0.0012	-0.0002	-0.0001
	COMB9	-0.4480	-0.4379	0.0004	0.0038	0.0005	-0.0014
	COMB10	-0.2551	-0.2476	0.0000	0.0026	0.0003	-0.0008
3525	COMB1	-0.4024	-0.3910	-0.0005	0.0040	0.0003	-0.0013
	COMB2	-0.6037	-0.5939	0.0004	0.0043	0.0006	-0.0016
	COMB3	-0.7296	-0.7198	0.0009	0.0047	0.0007	-0.0018
	COMB4	-0.1220	-0.1122	-0.0011	0.0027	0.0000	-0.0007
	COMB5	-0.5319	-0.5221	0.0002	0.0041	0.0005	-0.0015
	COMB6	-0.1580	-0.1482	-0.0010	0.0028	0.0001	-0.0008
	COMB7	-0.5625	-0.6389	0.0007	0.0044	0.0006	-0.0017
	COMB8	0.0451	0.0524	-0.0013	0.0016	-0.0001	-0.0003
	COMB9	-0.4080	-0.3982	0.0000	0.0038	0.0004	-0.0012
	COMB10	-0.2409	-0.2335	-0.0002	0.0027	0.0002	-0.0008
3526	COMB1	-0.3426	-0.3315	-0.0010	0.0040	0.0002	-0.0012
	COMB2	-0.4775	-0.4680	-0.0005	0.0038	0.0002	-0.0013
	COMB3	-0.5669	-0.5574	-0.0003	0.0040	0.0003	-0.0014
	COMB4	-0.1352	-0.1258	-0.0012	0.0031	0.0001	-0.0007
	COMB5	-0.4264	-0.4169	-0.0006	0.0037	0.0002	-0.0012
	COMB6	-0.1608	-0.1513	-0.0011	0.0032	0.0002	-0.0008
	COMB7	-0.4360	-0.5000	-0.0002	0.0039	0.0002	-0.0013
	COMB8	-0.0044	0.0027	-0.0011	0.0021	0.0001	-0.0004
	COMB9	-0.3275	-0.3180	-0.0006	0.0036	0.0002	-0.0010
	COMB10	-0.1966	-0.1895	-0.0005	0.0027	0.0002	-0.0007
3527	COMB1	-0.3067	-0.2960	-0.0012	0.0043	0.0002	-0.0012
	COMB2	-0.3430	-0.3339	-0.0014	0.0033	-0.0002	-0.0011
	COMB3	-0.3820	-0.3728	-0.0015	0.0031	-0.0004	-0.0011
	COMB4	-0.1939	-0.1848	-0.0007	0.0040	0.0005	-0.0010
	COMB5	-0.3208	-0.3116	-0.0013	0.0034	-0.0001	-0.0011
	COMB6	-0.2050	-0.1959	-0.0007	0.0039	0.0004	-0.0010
	COMB7	-0.2912	-0.3478	-0.0012	0.0032	-0.0003	-0.0011
	COMB8	-0.1031	-0.0963	-0.0003	0.0032	0.0006	-0.0007
	COMB9	-0.2587	-0.2495	-0.0009	0.0037	0.0001	-0.0009
	COMB10	-0.1679	-0.1610	-0.0006	0.0029	0.0002	-0.0007
3528	COMB1	-0.2183	-0.2080	-0.0014	0.0045	0.0003	-0.0011
	COMB2	-0.1094	-0.1006	-0.0027	0.0024	-0.0006	-0.0005
	COMB3	-0.0716	-0.0628	-0.0034	0.0016	-0.0010	-0.0002
	COMB4	-0.2541	-0.2452	0.0001	0.0052	0.0009	-0.0014
	COMB5	-0.1310	-0.1222	-0.0023	0.0028	-0.0004	-0.0006
	COMB6	-0.2433	-0.2344	-0.0001	0.0050	0.0008	-0.0014
	COMB7	-0.0491	-0.0871	-0.0026	0.0021	-0.0008	-0.0004
	COMB8	-0.2316	-0.2249	0.0009	0.0047	0.0011	-0.0013
	COMB9	-0.1282	-0.1194	-0.0014	0.0037	0.0001	-0.0007
	COMB10	-0.1057	-0.0991	-0.0006	0.0032	0.0003	-0.0006
3529	COMB1	-0.1564	-0.1465	-0.0020	0.0044	0.0001	-0.0009
	COMB2	0.1166	0.1251	-0.0044	0.0010	-0.0010	0.0004
	COMB3	0.2386	0.2470	-0.0057	-0.0003	-0.0016	0.0010
	COMB4	-0.3499	-0.3415	0.0006	0.0061	0.0011	-0.0019
	COMB5	0.0470	0.0555	-0.0036	0.0018	-0.0007	0.0001
	COMB6	-0.3151	-0.3066	0.0003	0.0057	0.0009	-0.0017
	COMB7	0.1937	0.1687	-0.0044	0.0006	-0.0013	0.0006
	COMB8	-0.3948	-0.3884	0.0019	0.0060	0.0014	-0.0020
	COMB9	-0.0153	-0.0068	-0.0023	0.0032	-0.0001	-0.0003
	COMB10	-0.0601	-0.0538	-0.0010	0.0031	0.0002	-0.0005

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO AS-3 (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames

ELE.	Stat.	OutputCase	P	V2	M3
Text	m	Text	Ton	Ton	Ton-m
	0.88	ESPECTRO	4.04E-02	2.63E-04	1.20E-04
3530	0.00	DEAD	-9.09E-02	-3.53E-03	-6.25E-04
	0.87	DEAD	-8.42E-02	1.27E-03	3.59E-04
	0.00	COBERT	5.38E-02	-6.70E-04	-2.74E-04
	0.87	COBERT	5.38E-02	-6.70E-04	3.10E-04
	0.00	CORREAS	-1.83E-02	-6.40E-04	-2.04E-04
	0.87	CORREAS	-1.83E-02	-6.40E-04	3.53E-04
	0.00	VIVA	2.15E-01	-2.68E-03	-1.09E-03
	0.87	VIVA	2.15E-01	-2.68E-03	1.24E-03
	0.00	VIENTO	3.11E-01	-3.87E-03	-1.58E-03
	0.87	VIENTO	3.11E-01	-3.87E-03	1.79E-03
	0.00	ESPECTRO	4.47E-02	6.69E-04	2.75E-04
	0.87	ESPECTRO	4.47E-02	6.69E-04	3.08E-04

ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
3530	COMB1	-0.0776	-0.0682	-0.0068	-0.0001	-0.0015	0.0014
	COMB2	0.2779	0.2860	-0.0101	-0.0043	-0.0031	0.0032
	COMB3	0.4454	0.4535	-0.0122	-0.0064	-0.0039	0.0042
	COMB4	-0.3632	-0.3551	-0.0021	0.0036	0.0002	-0.0005
	COMB5	0.1823	0.1904	-0.0089	-0.0031	-0.0026	0.0027
	COMB6	-0.3154	-0.3072	-0.0027	0.0031	-0.0001	-0.0002
	COMB7	0.3544	0.3459	-0.0094	-0.0051	-0.0030	0.0036
	COMB8	-0.4542	-0.4481	0.0007	0.0050	0.0011	-0.0014
	COMB9	0.0858	0.0939	-0.0065	-0.0007	-0.0016	0.0022
	COMB10	-0.0053	0.0008	-0.0037	0.0006	-0.0007	0.0012

BRIDAS SUPERIORES						
MAX. VALOR:	3.3141	3.3183	0.0110	0.0171	0.0041	0.0043
MIN. VALOR:	-2.1744	-2.1719	-0.0237	-0.0180	-0.0080	-0.0047
BRIDAS INFERIORES						
MAX. VALOR:	3.4014	3.4033	0.0319	0.0376	0.0079	0.0049
MIN. VALOR:	-8.7696	-8.7648	-0.0266	-0.0229	-0.0079	-0.0096
MONTANTES						
MAX. VALOR:	0.9281	0.9215	0.0158	0.0200	0.0070	0.0032
MIN. VALOR:	-1.1095	-1.1137	-0.0096	-0.0095	-0.0035	-0.0080
DIAGONALES						
MAX. VALOR:	1.4661	1.4742	0.0050	0.0078	0.0023	0.0047
MIN. VALOR:	-1.2328	-1.2215	-0.0136	-0.0082	-0.0051	-0.0034

ARCO METALICO AS-4

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO AS-4 (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames													
ELE.	Stat.	OutputCase	P	V2	M3	ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
Text	m	Text	Ton	Ton	Ton-m								
BRIDA SUPERIOR						BRIDA SUPERIOR							
	0.00	DEAD	1.03E-01	7.18E-04	7.41E-04								
	0.73	DEAD	1.08E-01	4.94E-03	-1.34E-03		COMB1	0.3866	0.3944	0.0036	0.0095	0.0017	-0.0031
	0.00	COBERT	1.06E-01	1.05E-03	2.92E-04		COMB2	1.0114	1.0181	0.0097	0.0148	0.0033	-0.0057
	0.73	COBERT	1.06E-01	1.05E-03	-4.77E-04		COMB3	1.3421	1.3488	0.0130	0.0181	0.0042	-0.0072
	0.00	CORREAS	6.71E-02	7.75E-04	1.67E-04		COMB4	-0.2543	-0.2476	-0.0027	0.0023	-0.0002	0.0000
	0.73	CORREAS	6.71E-02	7.75E-04	-4.03E-04		COMB5	0.8226	0.8293	0.0079	0.0129	0.0028	-0.0049
1972	0.00	VIVA	4.25E-01	4.18E-03	1.17E-03	1972	COMB6	-0.1598	-0.1531	-0.0018	0.0033	0.0001	-0.0005
	0.73	VIVA	4.25E-01	4.18E-03	-1.91E-03		COMB7	1.0468	1.1363	0.0101	0.0160	0.0033	-0.0062
	0.00	VIENTO	6.14E-01	6.05E-03	1.69E-03		COMB8	-0.5497	-0.5446	-0.0056	-0.0018	-0.0011	0.0016
	0.73	VIENTO	6.14E-01	6.05E-03	-2.75E-03		COMB9	0.5709	0.5776	0.0055	0.0105	0.0021	-0.0035
	0.00	ESPECTRO	2.70E-02	3.30E-04	1.06E-04		COMB10	0.2755	0.2806	0.0026	0.0064	0.0012	-0.0019
	0.73	ESPECTRO	2.70E-02	3.30E-04	1.36E-04								
	0.00	DEAD	2.93E-01	-1.39E-03	-3.42E-04								
	0.53	DEAD	2.97E-01	1.83E-03	-4.58E-04		COMB1	0.9578	0.9633	-0.0027	0.0018	-0.0009	-0.0007
	0.00	COBERT	2.46E-01	5.35E-05	-5.53E-05		COMB2	2.3937	2.3984	-0.0020	0.0019	-0.0011	-0.0011
	0.53	COBERT	2.46E-01	5.35E-05	-8.37E-05		COMB3	3.1584	3.1631	-0.0018	0.0021	-0.0013	-0.0014
	0.00	CORREAS	1.45E-01	-5.77E-04	-2.53E-04		COMB4	-0.5335	-0.5288	-0.0026	0.0013	-0.0005	-0.0001
1973	0.53	CORREAS	1.45E-01	-5.77E-04	5.41E-05	1973	COMB5	1.9570	1.9617	-0.0021	0.0018	-0.0010	-0.0010
	0.00	VIVA	9.83E-01	2.14E-04	-2.21E-04		COMB6	-0.3150	-0.3103	-0.0025	0.0013	-0.0005	-0.0002
	0.53	VIVA	9.83E-01	2.14E-04	-3.35E-04		COMB7	2.4617	2.6717	-0.0013	0.0020	-0.0010	-0.0012
	0.00	VIENTO	1.42E+00	3.09E-04	-3.19E-04		COMB8	-1.2302	-1.2267	-0.0021	0.0008	-0.0002	0.0002
	0.53	VIENTO	1.42E+00	3.09E-04	-4.84E-04		COMB9	1.3790	1.3837	-0.0017	0.0022	-0.0007	-0.0007
	0.00	ESPECTRO	6.66E-02	4.78E-04	2.07E-04		COMB10	0.6823	0.6858	-0.0012	0.0017	-0.0004	-0.0004
	0.53	ESPECTRO	6.66E-02	4.78E-04	7.41E-05								
	0.00	DEAD	3.90E-01	-3.86E-03	-8.54E-04								
	0.53	DEAD	3.94E-01	-5.02E-04	3.05E-04		COMB1	1.2123	1.2177	-0.0098	-0.0051	-0.0026	0.0013
	0.00	COBERT	2.86E-01	-1.60E-03	-5.35E-04		COMB2	2.8689	2.8734	-0.0186	-0.0145	-0.0057	0.0031
	0.53	COBERT	2.86E-01	-1.60E-03	3.13E-04		COMB3	3.7587	3.7632	-0.0235	-0.0195	-0.0073	0.0041
	0.00	CORREAS	1.90E-01	-1.52E-03	-4.80E-04		COMB4	-0.5368	-0.5322	0.0004	0.0045	0.0007	-0.0006
1974	0.53	CORREAS	1.90E-01	-1.52E-03	3.26E-04	1974	COMB5	2.3608	2.3654	-0.0157	-0.0117	-0.0047	0.0026
	0.00	VIVA	1.14E+00	-6.38E-03	-2.14E-03		COMB6	-0.2825	-0.2780	-0.0010	0.0030	0.0002	-0.0003
	0.53	VIVA	1.14E+00	-6.38E-03	1.25E-03		COMB7	2.9271	3.1914	-0.0183	-0.0163	-0.0057	0.0035
	0.00	VIENTO	1.65E+00	-9.22E-03	-3.09E-03		COMB8	-1.3684	-1.3650	0.0057	0.0087	0.0023	-0.0015
	0.53	VIENTO	1.65E+00	-9.22E-03	1.81E-03		COMB9	1.7230	1.7275	-0.0110	-0.0070	-0.0031	0.0019
	0.00	ESPECTRO	1.12E-01	5.38E-04	1.88E-04		COMB10	0.8914	0.8948	-0.0057	-0.0027	-0.0015	0.0010
	0.53	ESPECTRO	1.12E-01	5.38E-04	1.05E-04								
	0.00	DEAD	4.43E-01	-3.25E-03	-5.16E-04								
	0.53	DEAD	4.47E-01	2.40E-04	2.84E-04		COMB1	1.3311	1.3362	-0.0083	-0.0034	-0.0018	0.0013
	0.00	COBERT	3.05E-01	-1.21E-03	-3.57E-04		COMB2	3.0904	3.0948	-0.0149	-0.0107	-0.0038	0.0030
	0.53	COBERT	3.05E-01	-1.21E-03	2.88E-04		COMB3	4.0384	4.0428	-0.0186	-0.0144	-0.0049	0.0039
	0.00	CORREAS	2.03E-01	-1.45E-03	-3.81E-04		COMB4	-0.5381	-0.5337	-0.0004	0.0038	0.0005	-0.0004
1975	0.53	CORREAS	2.03E-01	-1.45E-03	3.90E-04	1975	COMB5	2.5491	2.5535	-0.0127	-0.0085	-0.0032	0.0025
	0.00	VIVA	1.22E+00	-4.85E-03	-1.43E-03		COMB6	-0.2672	-0.2628	-0.0015	0.0027	0.0001	-0.0002
	0.53	VIVA	1.22E+00	-4.85E-03	1.15E-03		COMB7	3.1440	3.4336	-0.0144	-0.0120	-0.0038	0.0033
	0.00	VIENTO	1.76E+00	-7.01E-03	-2.06E-03		COMB8	-1.4326	-1.4293	0.0038	0.0069	0.0016	-0.0013
	0.53	VIENTO	1.76E+00	-7.01E-03	1.66E-03		COMB9	1.9123	1.9167	-0.0091	-0.0049	-0.0021	0.0018
	0.00	ESPECTRO	1.62E-01	4.10E-04	1.10E-04		COMB10	1.0179	1.0212	-0.0049	-0.0018	-0.0010	0.0010
	0.53	ESPECTRO	1.62E-01	4.10E-04	1.09E-04								
	0.00	DEAD	4.29E-01	-3.34E-03	-5.33E-04								
	0.53	DEAD	4.33E-01	2.74E-04	2.82E-04		COMB1	1.3339	1.3389	-0.0080	-0.0029	-0.0017	0.0012
	0.00	COBERT	3.24E-01	-1.24E-03	-3.58E-04		COMB2	3.2200	3.2243	-0.0148	-0.0104	-0.0037	0.0030
	0.53	COBERT	3.24E-01	-1.24E-03	3.01E-04		COMB3	4.2299	4.2341	-0.0186	-0.0143	-0.0048	0.0039
	0.00	CORREAS	1.99E-01	-1.12E-03	-2.97E-04		COMB4	-0.6453	-0.6410	0.0000	0.0043	0.0005	-0.0006
1976	0.53	CORREAS	1.99E-01	-1.12E-03	2.97E-04	1976	COMB5	2.6434	2.6476	-0.0126	-0.0082	-0.0031	0.0024
	0.00	VIVA	1.30E+00	-4.96E-03	-1.43E-03		COMB6	-0.3567	-0.3525	-0.0011	0.0032	0.0002	-0.0003
	0.53	VIVA	1.30E+00	-4.96E-03	1.20E-03		COMB7	3.2951	3.5852	-0.0144	-0.0118	-0.0038	0.0033
	0.00	VIENTO	1.88E+00	-7.17E-03	-2.07E-03		COMB8	-1.5801	-1.5769	0.0042	0.0074	0.0016	-0.0015
	0.53	VIENTO	1.88E+00	-7.17E-03	1.74E-03		COMB9	1.9990	2.0032	-0.0089	-0.0045	-0.0020	0.0018
	0.00	ESPECTRO	2.07E-01	4.68E-04	1.17E-04		COMB10	1.0642	1.0674	-0.0047	-0.0014	-0.0010	0.0009
	0.53	ESPECTRO	2.07E-01	4.68E-04	1.34E-04								
	0.00	DEAD	3.51E-01	-3.13E-03	-4.36E-04								
	0.53	DEAD	3.54E-01	6.13E-04	2.31E-04		COMB1	1.1626	1.1674	-0.0079	-0.0027	-0.0015	0.0013
	0.00	COBERT	3.22E-01	-1.21E-03	-3.34E-04		COMB2	3.0594	3.0635	-0.0145	-0.0100	-0.0035	0.0030
	0.53	COBERT	3.22E-01	-1.21E-03	3.06E-04		COMB3	4.0626	4.0667	-0.0182	-0.0138	-0.0045	0.0040
	0.00	CORREAS	1.57E-01	-1.31E-03	-3.35E-04		COMB4	-0.7802	-0.7761	-0.0001	0.0044	0.0005	-0.0006
1977	0.53	CORREAS	1.57E-01	-1.31E-03	3.63E-04	1977	COMB5	2.4867	2.4907	-0.0123	-0.0079	-0.0029	0.0025
	0.00	VIVA	1.29E+00	-4.82E-03	-1.34E-03		COMB6	-0.4936	-0.4895	-0.0012	0.0033	0.0002	-0.0003
	0.53	VIVA	1.29E+00	-4.82E-03	1.22E-03		COMB7	3.1688	3.4220	-0.0141	-0.0113	-0.0035	0.0034
	0.00	VIENTO	1.86E+00	-6.96E-03	-1.93E-03		COMB8	-1.6740	-1.6709	0.0040	0.0073	0.0015	-0.0015
	0.53	VIENTO	1.86E+00	-6.96E-03	1.77E-03		COMB9	1.8711	1.8752	-0.0087	-0.0042	-0.0019	0.0018
	0.00	ESPECTRO	2.30E-01	4.58E-04	1.07E-04		COMB10	0.9773	0.9804	-0.0046	-0.0013	-0.0009	0.0009
	0.53	ESPECTRO	2.30E-01	4.58E-04	1.39E-04								
	0.00	DEAD	2.35E-01	-2.72E-03	-3.23E-04								
	0.53	DEAD	2.39E-01	1.14E-03	9.70E-05		COMB1	0.8917	0.8962	-0.0064	-0.0010	-0.0011	0.0008

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO AS-4 (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames

ELE.	Stat.	OutputCase	P	V2	M3
Text	m	Text	Ton	Ton	Ton-m
1978	0.00	COBERT	2.92E-01	-1.10E-03	-3.12E-04
	0.53	COBERT	2.92E-01	-1.10E-03	2.70E-04
	0.00	CORREAS	1.10E-01	-7.35E-04	-1.82E-04
	0.53	CORREAS	1.10E-01	-7.35E-04	2.08E-04
	0.00	VIVA	1.17E+00	-4.38E-03	-1.25E-03
	0.53	VIVA	1.17E+00	-4.38E-03	1.08E-03
	0.00	VIENTO	1.68E+00	-6.33E-03	-1.80E-03
	0.53	VIENTO	1.68E+00	-6.33E-03	1.56E-03
	0.00	ESPECTRO	2.27E-01	4.04E-04	8.78E-05
	0.53	ESPECTRO	2.27E-01	4.04E-04	1.33E-04
1979	0.00	DEAD	1.09E-01	-2.34E-03	-1.72E-04
	0.53	DEAD	1.13E-01	1.63E-03	1.65E-05
	0.00	COBERT	2.44E-01	-9.03E-04	-2.50E-04
	0.53	COBERT	2.44E-01	-9.03E-04	2.28E-04
	0.00	CORREAS	4.98E-02	-8.69E-04	-2.01E-04
	0.53	CORREAS	4.98E-02	-8.69E-04	2.60E-04
	0.00	VIVA	9.76E-01	-3.61E-03	-1.00E-03
	0.53	VIVA	9.76E-01	-3.61E-03	9.14E-04
	0.00	VIENTO	1.41E+00	-5.22E-03	-1.45E-03
	0.53	VIENTO	1.41E+00	-5.22E-03	1.32E-03
	0.00	ESPECTRO	1.98E-01	2.59E-04	5.05E-05
	0.53	ESPECTRO	1.98E-01	2.59E-04	8.95E-05
1980	0.00	DEAD	-1.06E-02	-1.53E-03	6.75E-05
	0.53	DEAD	-7.65E-03	2.54E-03	-2.01E-04
	0.00	COBERT	1.92E-01	-6.58E-04	-1.82E-04
	0.53	COBERT	1.92E-01	-6.58E-04	1.67E-04
	0.00	CORREAS	1.11E-03	-1.40E-04	-6.92E-06
	0.53	CORREAS	1.11E-03	-1.40E-04	6.70E-05
	0.00	VIVA	7.67E-01	-2.63E-03	-7.27E-04
	0.53	VIVA	7.67E-01	-2.63E-03	6.68E-04
	0.00	VIENTO	1.11E+00	-3.80E-03	-1.05E-03
	0.53	VIENTO	1.11E+00	-3.80E-03	9.65E-04
	0.00	ESPECTRO	1.51E-01	6.06E-04	1.47E-04
	0.53	ESPECTRO	1.51E-01	6.06E-04	1.78E-04
1981	0.00	DEAD	-1.10E-01	-1.16E-03	1.67E-04
	0.53	DEAD	-1.08E-01	3.02E-03	-3.27E-04
	0.00	COBERT	1.47E-01	-3.40E-04	-8.82E-05
	0.53	COBERT	1.47E-01	-3.40E-04	9.18E-05
	0.00	CORREAS	-4.58E-02	-3.89E-04	-5.90E-05
	0.53	CORREAS	-4.58E-02	-3.89E-04	1.47E-04
	0.00	VIVA	5.87E-01	-1.36E-03	-3.53E-04
	0.53	VIVA	5.87E-01	-1.36E-03	3.67E-04
	0.00	VIENTO	8.49E-01	-1.96E-03	-5.09E-04
	0.53	VIENTO	8.49E-01	-1.96E-03	5.30E-04
	0.00	ESPECTRO	9.17E-02	5.91E-04	1.39E-04
	0.53	ESPECTRO	9.17E-02	5.91E-04	1.86E-04
1982	0.00	DEAD	-2.03E-01	-5.47E-04	3.22E-04
	0.53	DEAD	-2.00E-01	3.73E-03	-5.19E-04
	0.00	COBERT	1.03E-01	-6.82E-06	-8.12E-06
	0.53	COBERT	1.03E-01	-6.82E-06	-4.51E-06
	0.00	CORREAS	-8.16E-02	5.28E-04	1.77E-04
	0.53	CORREAS	-8.16E-02	5.28E-04	-1.03E-04
	0.00	VIVA	4.14E-01	-2.73E-05	-3.25E-05
	0.53	VIVA	4.14E-01	-2.73E-05	-1.80E-05
	0.00	VIENTO	5.98E-01	-3.94E-05	-4.69E-05
	0.53	VIENTO	5.98E-01	-3.94E-05	-2.61E-05
	0.00	ESPECTRO	3.04E-02	8.24E-04	2.08E-04
	0.53	ESPECTRO	3.04E-02	8.24E-04	2.40E-04
1983	0.00	DEAD	-2.86E-01	-2.08E-04	4.47E-04
	0.53	DEAD	-2.84E-01	4.15E-03	-5.98E-04
	0.00	COBERT	5.97E-02	2.41E-04	7.09E-05
	0.53	COBERT	5.97E-02	2.41E-04	-5.68E-05
	0.00	CORREAS	-1.19E-01	1.39E-04	8.57E-05
	0.53	CORREAS	-1.19E-01	1.39E-04	1.22E-05
	0.00	VIVA	2.39E-01	9.65E-04	2.84E-04
	0.53	VIVA	2.39E-01	9.65E-04	-2.27E-04
	0.00	VIENTO	3.45E-01	1.39E-03	4.10E-04
	0.53	VIENTO	3.45E-01	1.39E-03	-3.28E-04
	0.00	ESPECTRO	6.08E-02	9.00E-04	2.47E-04
	0.53	ESPECTRO	6.08E-02	9.00E-04	2.42E-04
	0.00	DEAD	-3.54E-01	1.87E-03	7.77E-04
	0.53	DEAD	-3.52E-01	6.31E-03	-1.39E-03
	0.00	COBERT	1.45E-02	1.37E-03	2.60E-04
	0.53	COBERT	1.45E-02	1.37E-03	-4.65E-04
	0.00	CORREAS	-1.44E-01	1.73E-03	4.13E-04

ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
1978	COMB2	2.6305	2.6344	-0.0125	-0.0078	-0.0030	0.0024
	COMB3	3.5380	3.5419	-0.0159	-0.0113	-0.0039	0.0033
	COMB4	-0.8430	-0.8391	0.0006	0.0052	0.0007	-0.0008
	COMB5	2.1123	2.1162	-0.0105	-0.0059	-0.0024	0.0019
	COMB6	-0.5837	-0.5798	-0.0004	0.0042	0.0005	-0.0006
	COMB7	2.7637	2.9587	-0.0123	-0.0091	-0.0031	0.0027
	COMB8	-1.6173	-1.6143	0.0041	0.0076	0.0016	-0.0015
	COMB9	1.5740	1.5780	-0.0072	-0.0026	-0.0015	0.0014
	COMB10	0.7998	0.8027	-0.0037	-0.0002	-0.0006	0.0007
1979	COMB1	0.5645	0.5688	-0.0058	-0.0002	-0.0009	0.0007
	COMB2	2.0449	2.0486	-0.0107	-0.0059	-0.0024	0.0021
	COMB3	2.8040	2.8077	-0.0135	-0.0088	-0.0031	0.0028
	COMB4	-0.8607	-0.8569	0.0000	0.0048	0.0006	-0.0007
	COMB5	1.6114	1.6152	-0.0091	-0.0043	-0.0019	0.0017
	COMB6	-0.6438	-0.6400	-0.0008	0.0040	0.0004	-0.0005
	COMB7	2.1952	2.3199	-0.0105	-0.0070	-0.0024	0.0023
	COMB8	-1.4695	-1.4667	0.0031	0.0067	0.0013	-0.0013
	COMB9	1.1697	1.1735	-0.0065	-0.0017	-0.0012	0.0012
	COMB10	0.5610	0.5638	-0.0034	0.0001	-0.0005	0.0005
1980	COMB1	0.2553	0.2594	-0.0033	0.0024	-0.0002	0.0000
	COMB2	1.4467	1.4503	-0.0070	-0.0021	-0.0013	0.0011
	COMB3	2.0439	2.0475	-0.0091	-0.0042	-0.0019	0.0016
	COMB4	-0.8388	-0.8352	0.0008	0.0057	0.0009	-0.0009
	COMB5	1.1058	1.1094	-0.0058	-0.0009	-0.0010	0.0008
	COMB6	-0.6682	-0.6646	0.0002	0.0051	0.0007	-0.0007
	COMB7	1.6054	1.6637	-0.0070	-0.0028	-0.0015	0.0013
	COMB8	-1.2772	-1.2746	0.0028	0.0065	0.0013	-0.0012
	COMB9	0.7533	0.7569	-0.0035	0.0014	-0.0004	0.0006
	COMB10	0.3149	0.3175	-0.0015	0.0022	0.0000	0.0002
1981	COMB1	-0.0131	-0.0091	-0.0026	0.0032	0.0000	-0.0001
	COMB2	0.9287	0.9321	-0.0044	0.0006	-0.0005	0.0005
	COMB3	1.3858	1.3892	-0.0055	-0.0005	-0.0008	0.0008
	COMB4	-0.8207	-0.8173	-0.0004	0.0046	0.0005	-0.0006
	COMB5	0.6677	0.6711	-0.0038	0.0012	-0.0004	0.0003
	COMB6	-0.6901	-0.6867	-0.0007	0.0043	0.0004	-0.0005
	COMB7	1.0949	1.0955	-0.0042	0.0002	-0.0006	0.0006
	COMB8	-1.1117	-1.1091	0.0009	0.0046	0.0007	-0.0008
	COMB9	0.3742	0.3776	-0.0023	0.0027	0.0000	0.0003
	COMB10	0.0833	0.0858	-0.0011	0.0027	0.0002	0.0001
1982	COMB1	-0.2535	-0.2498	0.0000	0.0059	0.0007	-0.0009
	COMB2	0.4448	0.4481	-0.0001	0.0051	0.0005	-0.0008
	COMB3	0.7668	0.7700	-0.0001	0.0050	0.0005	-0.0008
	COMB4	-0.7876	-0.7844	0.0000	0.0051	0.0006	-0.0007
	COMB5	0.2610	0.2642	-0.0001	0.0051	0.0006	-0.0008
	COMB6	-0.6956	-0.6924	0.0000	0.0051	0.0006	-0.0007
	COMB7	0.6142	0.5631	-0.0001	0.0050	0.0004	-0.0008
	COMB8	-0.9402	-0.9378	0.0000	0.0039	0.0005	-0.0005
	COMB9	0.0201	0.0233	0.0008	0.0059	0.0008	-0.0005
	COMB10	-0.1325	-0.1301	0.0008	0.0046	0.0006	-0.0003
1983	COMB1	-0.4845	-0.4810	0.0002	0.0063	0.0008	-0.0009
	COMB2	-0.0333	-0.0302	0.0018	0.0070	0.0012	-0.0011
	COMB3	0.1525	0.1556	0.0025	0.0077	0.0014	-0.0013
	COMB4	-0.7444	-0.7414	-0.0011	0.0041	0.0003	-0.0005
	COMB5	-0.1393	-0.1363	0.0013	0.0066	0.0011	-0.0010
	COMB6	-0.6913	-0.6883	-0.0009	0.0043	0.0004	-0.0005
	COMB7	0.1370	0.0362	0.0020	0.0073	0.0011	-0.0012
	COMB8	-0.7599	-0.7577	-0.0017	0.0023	0.0000	-0.0002
	COMB9	-0.2351	-0.2321	0.0016	0.0068	0.0011	-0.0006
	COMB10	-0.2507	-0.2484	0.0011	0.0050	0.0008	-0.0003
	COMB1	-0.6764	-0.6731	0.0070	0.0132	0.0020	-0.0033
	COMB2	-0.4867	-0.4839	0.0147	0.0201	0.0034	-0.0058
	COMB3	-0.4414	-0.4386	0.0190	0.0243	0.0042	-0.0072
	COMB4	-0.6600	-0.6571	-0.0016	0.0037	0.0003	-0.0003

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO AS-4 (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames

ELE.	Stat.	OutputCase	P	V2	M3
Text	m	Text	Ton	Ton	Ton-m
1984	0.53	CORREAS	-1.44E-01	1.73E-03	-5.02E-04
	0.00	VIVA	5.82E-02	5.48E-03	1.04E-03
	0.53	VIVA	5.82E-02	5.48E-03	-1.86E-03
	0.00	VIENTO	8.41E-02	7.92E-03	1.50E-03
	0.53	VIENTO	8.41E-02	7.92E-03	-2.68E-03
	0.00	ESPECTRO	1.37E-01	1.33E-03	3.11E-04
	0.53	ESPECTRO	1.37E-01	1.33E-03	4.10E-04
1985	0.00	DEAD	-4.57E-01	-2.51E-03	4.88E-04
	0.53	DEAD	-4.55E-01	2.01E-03	6.21E-04
	0.00	COBERT	-5.58E-02	-6.08E-04	1.63E-04
	0.53	COBERT	-5.58E-02	-6.08E-04	4.85E-04
	0.00	CORREAS	-1.88E-01	-7.21E-04	1.32E-04
	0.53	CORREAS	-1.88E-01	-7.21E-04	5.14E-04
	0.00	VIVA	-2.23E-01	-2.43E-03	6.53E-04
	0.53	VIVA	-2.23E-01	-2.43E-03	1.94E-03
	0.00	VIENTO	-3.23E-01	-3.51E-03	9.44E-04
	0.53	VIENTO	-3.23E-01	-3.51E-03	2.80E-03
	0.00	ESPECTRO	2.29E-01	1.02E-03	3.34E-04
	0.53	ESPECTRO	2.29E-01	1.02E-03	2.67E-04
1986	0.00	DEAD	-6.74E-01	5.21E-03	1.60E-03
	0.53	DEAD	-6.72E-01	9.80E-03	-2.37E-03
	0.00	COBERT	-1.77E-01	2.93E-03	6.60E-04
	0.53	COBERT	-1.77E-01	2.93E-03	-8.88E-04
	0.00	CORREAS	-2.79E-01	3.27E-03	7.88E-04
	0.53	CORREAS	-2.79E-01	3.27E-03	-9.40E-04
	0.00	VIVA	-7.08E-01	1.17E-02	2.64E-03
	0.53	VIVA	-7.08E-01	1.17E-02	-3.55E-03
	0.00	VIENTO	-1.02E+00	1.69E-02	3.81E-03
	0.53	VIENTO	-1.02E+00	1.69E-02	-5.13E-03
	0.00	ESPECTRO	2.76E-01	2.38E-03	6.54E-04
	0.53	ESPECTRO	2.76E-01	2.38E-03	6.22E-04
1987	0.00	DEAD	-8.37E-01	3.51E-03	1.64E-03
	0.53	DEAD	-8.35E-01	8.17E-03	-1.44E-03
	0.00	COBERT	-2.24E-01	2.18E-03	6.81E-04
	0.53	COBERT	-2.24E-01	2.18E-03	-4.67E-04
	0.00	CORREAS	-3.50E-01	2.17E-03	6.92E-04
	0.53	CORREAS	-3.50E-01	2.17E-03	-4.51E-04
	0.00	VIVA	-8.98E-01	8.70E-03	2.72E-03
	0.53	VIVA	-8.98E-01	8.70E-03	-1.87E-03
	0.00	VIENTO	-1.30E+00	1.26E-02	3.94E-03
	0.53	VIENTO	-1.30E+00	1.26E-02	-2.70E-03
	0.00	ESPECTRO	3.43E-01	1.50E-03	5.12E-04
	0.53	ESPECTRO	3.43E-01	1.50E-03	2.82E-04
1988	0.00	DEAD	-1.01E+00	1.29E-03	1.05E-03
	0.53	DEAD	-1.01E+00	6.02E-03	-8.74E-04
	0.00	COBERT	-2.85E-01	1.51E-03	4.58E-04
	0.53	COBERT	-2.85E-01	1.51E-03	-3.37E-04
	0.00	CORREAS	-4.20E-01	1.75E-03	5.86E-04
	0.53	CORREAS	-4.20E-01	1.75E-03	-3.37E-04
	0.00	VIVA	-1.14E+00	6.02E-03	1.83E-03
	0.53	VIVA	-1.14E+00	6.02E-03	-1.35E-03
	0.00	VIENTO	-1.65E+00	8.70E-03	2.64E-03
	0.53	VIENTO	-1.65E+00	8.70E-03	-1.95E-03
	0.00	ESPECTRO	4.16E-01	1.54E-04	1.85E-04
	0.53	ESPECTRO	4.16E-01	1.54E-04	1.10E-04
1989	0.00	DEAD	-1.19E+00	1.03E-03	8.77E-04
	0.53	DEAD	-1.19E+00	5.81E-03	-9.27E-04
	0.00	COBERT	-4.03E-01	1.28E-03	4.21E-04
	0.53	COBERT	-4.03E-01	1.28E-03	-2.52E-04
	0.00	CORREAS	-4.99E-01	1.36E-03	4.17E-04
	0.53	CORREAS	-4.99E-01	1.36E-03	-3.02E-04
	0.00	VIVA	-1.61E+00	5.11E-03	1.68E-03
	0.53	VIVA	-1.61E+00	5.11E-03	-1.01E-03
	0.00	VIENTO	-2.33E+00	7.38E-03	2.43E-03
	0.53	VIENTO	-2.33E+00	7.38E-03	-1.46E-03
	0.00	ESPECTRO	4.72E-01	2.44E-03	4.62E-04
	0.53	ESPECTRO	4.72E-01	2.44E-03	8.23E-04
1990	0.00	DEAD	-6.29E-01	1.13E-02	1.16E-03
	0.35	DEAD	-6.28E-01	1.45E-02	-3.34E-03
	0.00	COBERT	-2.50E-01	5.25E-03	4.78E-04
	0.35	COBERT	-2.50E-01	5.25E-03	-1.35E-03
	0.00	CORREAS	-2.62E-01	5.61E-03	4.85E-04
	0.35	CORREAS	-2.62E-01	5.61E-03	-1.47E-03
	0.00	VIVA	-1.00E+00	2.10E-02	1.91E-03
	0.35	VIVA	-1.00E+00	2.10E-02	-5.39E-03

ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
1984	COMB5	-0.5126	-0.5097	0.0123	0.0176	0.0029	-0.0050
	COMB6	-0.6470	-0.6442	-0.0004	0.0050	0.0005	-0.0007
	COMB7	-0.3256	-0.4677	0.0148	0.0216	0.0033	-0.0063
	COMB8	-0.5441	-0.5420	-0.0058	-0.0018	-0.0006	0.0014
	COMB9	-0.4142	-0.4114	0.0100	0.0154	0.0026	-0.0033
	COMB10	-0.2983	-0.2962	0.0058	0.0098	0.0016	-0.0017
1985							
	COMB1	-0.9810	-0.9780	-0.0054	0.0010	0.0011	0.0023
	COMB2	-1.1981	-1.1955	-0.0085	-0.0031	0.0020	0.0050
	COMB3	-1.3719	-1.3692	-0.0104	-0.0050	0.0025	0.0066
	COMB4	-0.5332	-0.5306	-0.0013	0.0042	0.0000	-0.0007
	COMB5	-1.0990	-1.0963	-0.0074	-0.0020	0.0017	0.0042
	COMB6	-0.5828	-0.5802	-0.0018	0.0036	0.0002	-0.0003
	COMB7	-1.0500	-1.2576	-0.0080	-0.0038	0.0019	0.0056
	COMB8	-0.2113	-0.2094	0.0011	0.0052	-0.0005	-0.0022
	COMB9	-0.7236	-0.7210	-0.0048	0.0006	0.0016	0.0032
	COMB10	-0.4017	-0.3997	-0.0024	0.0016	0.0010	0.0017
1986							
	COMB1	-1.5822	-1.5794	0.0160	0.0224	0.0043	-0.0059
	COMB2	-2.4884	-2.4860	0.0324	0.0380	0.0079	-0.0107
	COMB3	-3.0390	-3.0366	0.0416	0.0471	0.0099	-0.0135
	COMB4	-0.3810	-0.3785	-0.0025	0.0031	0.0000	-0.0001
	COMB5	-2.1740	-2.1716	0.0272	0.0327	0.0067	-0.0091
	COMB6	-0.5383	-0.5359	0.0001	0.0057	0.0006	-0.0009
	COMB7	-2.3462	-2.6827	0.0323	0.0412	0.0077	-0.0117
	COMB8	0.3119	0.3137	-0.0117	-0.0076	-0.0022	0.0029
	COMB9	-1.4339	-1.4315	0.0219	0.0274	0.0056	-0.0062
	COMB10	-0.7411	-0.7392	0.0126	0.0168	0.0034	-0.0032
1987							
	COMB1	-1.9762	-1.9736	0.0110	0.0175	0.0042	-0.0033
	COMB2	-3.1300	-3.1278	0.0233	0.0289	0.0080	-0.0058
	COMB3	-3.8284	-3.8262	0.0301	0.0357	0.0101	-0.0073
	COMB4	-0.4570	-0.4548	-0.0026	0.0030	-0.0001	-0.0003
	COMB5	-2.7313	-2.7290	0.0195	0.0251	0.0068	-0.0050
	COMB6	-0.6566	-0.6543	-0.0006	0.0050	0.0005	-0.0007
	COMB7	-2.9561	-3.3774	0.0234	0.0314	0.0078	-0.0063
	COMB8	0.4152	0.4169	-0.0093	-0.0051	-0.0024	0.0014
	COMB9	-1.7996	-1.7974	0.0153	0.0209	0.0055	-0.0035
	COMB10	-0.9273	-0.9257	0.0086	0.0128	0.0032	-0.0018
1988							
	COMB1	-2.4032	-2.4008	0.0064	0.0130	0.0029	-0.0022
	COMB2	-3.8867	-3.8847	0.0151	0.0208	0.0054	-0.0040
	COMB3	-4.7751	-4.7731	0.0198	0.0255	0.0069	-0.0051
	COMB4	-0.4864	-0.4844	-0.0028	0.0028	0.0000	0.0000
	COMB5	-3.3795	-3.3774	0.0124	0.0181	0.0046	-0.0034
	COMB6	-0.7403	-0.7382	-0.0015	0.0042	0.0004	-0.0003
	COMB7	-3.6893	-4.2022	0.0154	0.0224	0.0053	-0.0044
	COMB8	0.5994	0.6010	-0.0072	-0.0030	-0.0016	0.0011
	COMB9	-2.2147	-2.2126	0.0086	0.0143	0.0036	-0.0024
	COMB10	-1.1288	-1.1273	0.0042	0.0085	0.0021	-0.0013
1989							
	COMB1	-2.9339	-2.9317	0.0051	0.0118	0.0024	-0.0021
	COMB2	-5.0919	-5.0900	0.0126	0.0183	0.0048	-0.0034
	COMB3	-6.3451	-6.3432	0.0166	0.0223	0.0061	-0.0042
	COMB4	-0.2951	-0.2933	-0.0026	0.0031	-0.0003	-0.0004
	COMB5	-4.3763	-4.3744	0.0103	0.0160	0.0040	-0.0029
	COMB6	-0.6533	-0.6514	-0.0015	0.0042	0.0001	-0.0006
	COMB7	-4.9110	-5.5379	0.0129	0.0197	0.0047	-0.0037
	COMB8	1.1389	1.1403	-0.0063	-0.0020	-0.0016	0.0006
	COMB9	-2.8481	-2.8462	0.0094	0.0151	0.0034	-0.0015
	COMB10	-1.4141	-1.4127	0.0057	0.0100	0.0020	-0.0005
1990							
	COMB1	-1.5975	-1.5962	0.0311	0.0355	0.0030	-0.0086
	COMB2	-2.9719	-2.9708	0.0602	0.0641	0.0056	-0.0160
	COMB3	-3.7512	-3.7501	0.0766	0.0804	0.0071	-0.0202
	COMB4	0.0111	0.0121	-0.0023	0.0015	-0.0001	0.0000
	COMB5	-2.5269	-2.5258	0.0509	0.0547	0.0048	-0.0136
	COMB6	-0.2116	-0.2105	0.0024	0.0062	0.0003	-0.0012
	COMB7	-2.9081	-3.2493	0.0594	0.0699	0.0055	-0.0175

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO AS-4 (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames													
ELE.	Stat.	OutputCase	P	V2	M3	ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
Text	m	Text	Ton	Ton	Ton-m								
	0.00	VIENTO	-1.45E+00	3.03E-02	2.76E-03		COMB8	0.8542	0.8550	-0.0194	-0.0166	-0.0017	0.0046
	0.35	VIENTO	-1.45E+00	3.03E-02	-7.78E-03		COMB9	-1.6216	-1.6205	0.0560	0.0599	0.0053	-0.0053
	0.00	ESPECTRO	2.48E-01	1.89E-02	1.78E-03		COMB10	-0.7784	-0.7776	0.0389	0.0417	0.0037	-0.0007
	0.35	ESPECTRO	2.48E-01	1.89E-02	4.81E-03								
	0.00	DEAD	-8.26E-02	-7.25E-04	9.83E-04								
	0.73	DEAD	-7.70E-02	3.49E-03	-3.26E-05		COMB1	-0.0949	-0.0871	-0.0007	0.0052	0.0022	0.0005
	0.00	COBERT	2.82E-02	2.57E-04	3.62E-04		COMB2	0.0993	0.1060	0.0011	0.0061	0.0042	0.0016
	0.73	COBERT	2.82E-02	2.57E-04	1.74E-04		COMB3	0.1871	0.1938	0.0019	0.0069	0.0053	0.0021
	0.00	CORREAS	-1.34E-02	-6.46E-06	2.22E-04		COMB4	-0.2370	-0.2303	-0.0020	0.0031	-0.0001	-0.0005
2346	0.73	CORREAS	-1.34E-02	-6.46E-06	2.27E-04	2346	COMB5	0.0491	0.0558	0.0006	0.0057	0.0036	0.0012
	0.00	VIVA	1.13E-01	1.03E-03	1.45E-03		COMB6	-0.2119	-0.2052	-0.0018	0.0033	0.0002	-0.0004
	0.73	VIVA	1.13E-01	1.03E-03	6.95E-04		COMB7	0.1510	0.1374	0.0015	0.0064	0.0041	0.0017
	0.00	VIENTO	1.63E-01	1.48E-03	2.09E-03		COMB8	-0.2731	-0.2681	-0.0024	0.0014	-0.0013	-0.0010
	0.73	VIENTO	1.63E-01	1.48E-03	1.00E-03		COMB9	0.0039	0.0106	0.0000	0.0050	0.0028	0.0010
	0.00	ESPECTRO	2.88E-02	4.42E-05	1.69E-04		COMB10	-0.0322	-0.0272	-0.0004	0.0034	0.0016	0.0005
	0.73	ESPECTRO	2.88E-02	4.42E-05	1.89E-04								
	0.00	DEAD	-1.47E-01	3.73E-03	8.55E-04								
	0.53	DEAD	-1.43E-01	6.95E-03	-1.98E-03		COMB1	-0.1336	-0.1281	0.0106	0.0151	0.0021	-0.0047
	0.00	COBERT	7.62E-02	1.87E-03	3.30E-04		COMB2	0.3733	0.3780	0.0211	0.0249	0.0040	-0.0083
	0.53	COBERT	7.62E-02	1.87E-03	-6.65E-04		COMB3	0.6105	0.6152	0.0269	0.0308	0.0050	-0.0104
	0.00	CORREAS	-2.43E-02	1.97E-03	3.46E-04		COMB4	-0.5347	-0.5300	-0.0012	0.0026	0.0000	-0.0004
2347	0.53	CORREAS	-2.43E-02	1.97E-03	-7.02E-04	2347	COMB5	0.2378	0.2425	0.0177	0.0216	0.0034	-0.0071
	0.00	VIVA	3.05E-01	7.49E-03	1.32E-03		COMB6	-0.4669	-0.4622	0.0004	0.0043	0.0003	-0.0009
	0.53	VIVA	3.05E-01	7.49E-03	-2.66E-03		COMB7	0.4867	0.4628	0.0209	0.0270	0.0039	-0.0090
	0.00	VIENTO	4.40E-01	1.08E-02	1.91E-03		COMB8	-0.6585	-0.6550	-0.0073	-0.0044	-0.0011	0.0020
	0.53	VIENTO	4.40E-01	1.08E-02	-3.85E-03		COMB9	0.0916	0.0963	0.0143	0.0182	0.0028	-0.0049
	0.00	ESPECTRO	5.37E-02	1.47E-03	3.30E-04		COMB10	-0.0322	-0.0287	0.0083	0.0112	0.0017	-0.0026
	0.53	ESPECTRO	5.37E-02	1.47E-03	4.58E-04								
	0.00	DEAD	1.69E-01	6.25E-03	9.07E-04								
	0.53	DEAD	1.73E-01	9.61E-03	-3.31E-03		COMB1	0.6631	0.6684	0.0165	0.0212	0.0019	-0.0081
	0.00	COBERT	2.03E-01	2.98E-03	2.41E-04		COMB2	1.8670	1.8716	0.0332	0.0372	0.0032	-0.0155
	0.53	COBERT	2.03E-01	2.98E-03	-1.34E-03		COMB3	2.4985	2.5031	0.0424	0.0465	0.0039	-0.0197
	0.00	CORREAS	1.02E-01	2.54E-03	2.00E-04		COMB4	-0.5501	-0.5456	-0.0023	0.0017	0.0003	0.0004
2348	0.53	CORREAS	1.02E-01	2.54E-03	-1.15E-03	2348	COMB5	1.5064	1.5110	0.0279	0.0319	0.0027	-0.0132
	0.00	VIVA	8.12E-01	1.19E-02	9.66E-04		COMB6	-0.3697	-0.3651	0.0004	0.0044	0.0005	-0.0008
	0.53	VIVA	8.12E-01	1.19E-02	-5.37E-03		COMB7	1.9506	2.0973	0.0330	0.0405	0.0030	-0.0170
	0.00	VIENTO	1.17E+00	1.72E-02	1.40E-03		COMB8	-1.0981	-1.0947	-0.0118	-0.0088	-0.0006	0.0049
	0.53	VIENTO	1.17E+00	1.72E-02	-7.75E-03		COMB9	1.0226	1.0271	0.0225	0.0265	0.0025	-0.0087
	0.00	ESPECTRO	4.84E-02	2.39E-03	3.75E-04		COMB10	0.4746	0.4780	0.0130	0.0160	0.0016	-0.0043
	0.53	ESPECTRO	4.84E-02	2.39E-03	9.14E-04								
	0.00	DEAD	7.10E-01	4.16E-03	3.64E-04								
	0.53	DEAD	7.13E-01	7.65E-03	-2.77E-03		COMB1	2.0977	2.1028	0.0119	0.0168	0.0008	-0.0069
	0.00	COBERT	4.47E-01	2.24E-03	8.07E-05		COMB2	4.6602	4.6646	0.0245	0.0287	0.0012	-0.0130
	0.53	COBERT	4.47E-01	2.24E-03	-1.11E-03		COMB3	6.0521	6.0565	0.0315	0.0357	0.0014	-0.0164
	0.00	CORREAS	3.42E-01	2.09E-03	9.38E-05		COMB4	-0.6671	-0.6627	-0.0022	0.0020	0.0002	0.0002
2349	0.53	CORREAS	3.42E-01	2.09E-03	-1.02E-03	2349	COMB5	3.8655	3.8699	0.0205	0.0247	0.0010	-0.0110
	0.00	VIVA	1.79E+00	8.96E-03	3.23E-04		COMB6	-0.2694	-0.2650	-0.0002	0.0040	0.0003	-0.0008
	0.53	VIVA	1.79E+00	8.96E-03	-4.44E-03		COMB7	4.7081	5.1620	0.0245	0.0312	0.0011	-0.0142
	0.00	VIENTO	2.58E+00	1.29E-02	4.67E-04		COMB8	-2.0111	-2.0078	-0.0092	-0.0060	-0.0001	0.0039
	0.53	VIENTO	2.58E+00	1.29E-02	-6.41E-03		COMB9	2.9058	2.9102	0.0165	0.0207	0.0010	-0.0073
	0.00	ESPECTRO	2.13E-01	1.80E-03	2.01E-04		COMB10	1.5618	1.5651	0.0094	0.0126	0.0007	-0.0036
	0.53	ESPECTRO	2.13E-01	1.80E-03	7.71E-04								
	0.00	DEAD	1.27E+00	1.40E-03	-3.61E-04								
	0.53	DEAD	1.27E+00	5.02E-03	-2.07E-03		COMB1	3.6039	3.6089	0.0041	0.0091	-0.0013	-0.0048
	0.00	COBERT	7.28E-01	9.13E-04	-2.81E-04		COMB2	7.7502	7.7545	0.0093	0.0137	-0.0029	-0.0090
	0.53	COBERT	7.28E-01	9.13E-04	-7.66E-04		COMB3	10.0169	10.0211	0.0122	0.0165	-0.0038	-0.0114
	0.00	CORREAS	5.78E-01	5.84E-04	-3.11E-04		COMB4	-0.9255	-0.9213	-0.0016	0.0028	0.0004	0.0001
2350	0.53	CORREAS	5.78E-01	5.84E-04	-6.21E-04	2350	COMB5	6.4560	6.4602	0.0077	0.0120	-0.0024	-0.0077
	0.00	VIVA	2.91E+00	3.65E-03	-1.12E-03		COMB6	-0.2778	-0.2736	-0.0007	0.0036	0.0002	-0.0006
	0.53	VIVA	2.91E+00	3.65E-03	-3.06E-03		COMB7	7.7880	8.5645	0.0095	0.0147	-0.0030	-0.0099
	0.00	VIENTO	4.21E+00	5.27E-03	-1.63E-03		COMB8	-3.1544	-3.1512	-0.0042	-0.0010	0.0013	0.0026
	0.53	VIENTO	4.21E+00	5.27E-03	-4.43E-03		COMB9	4.9323	4.9365	0.0064	0.0107	-0.0016	-0.0051
	0.00	ESPECTRO	3.87E-01	1.07E-03	1.16E-04		COMB10	2.7034	2.7066	0.0037	0.0069	-0.0007	-0.0025
	0.53	ESPECTRO	3.87E-01	1.07E-03	5.73E-04								
	0.00	DEAD	1.74E+00	-6.69E-04	-1.02E-03								
	0.53	DEAD	1.74E+00	3.07E-03	-1.66E-03		COMB1	4.9002	4.9050	-0.0009	0.0043	-0.0030	-0.0038
	0.00	COBERT	9.75E-01	-7.45E-05	-5.94E-04		COMB2	10.4386	10.4427	-0.0013	0.0032	-0.0063	-0.0068
	0.53	COBERT	9.75E-01	-7.45E-05	-5.55E-04		COMB3	13.4723	13.4763	-0.0015	0.0030	-0.0082	-0.0086
	0.00	CORREAS	7.86E-01	7.42E-05	-4.97E-04		COMB4	-1.1729	-1.1688	-0.0004	0.0041	0.0007	-0.0002
2351	0.53	CORREAS	7.86E-01	7.42E-05	-5.37E-04	2351	COMB5	8.7064	8.7105	-0.0011	0.0033	-0.0053	-0.0059
	0.00	VIVA	3.90E+00	-2.98E-04	-2.38E-03		COMB6	-0.3060	-0.3019	-0.0005	0.0040	0.0002	-0.0007
	0.53	VIVA	3.90E+00	-2.98E-04	-2.22E-03		COMB7	10.4727	11.5268	-0.0012	0.0031	-0.0064	-0.0075
	0.00	VIENTO	5.63E+00	-4.31E-04	-3.43E-03		COMB8	-4.1724	-4.1693	0.0000	0.0033	0.0026	0.0017
	0.53	VIENTO	5.63E+00	-4.31E-04	-3.20E-03		COMB9	6.6848	6.6888	-0.0004	0.0041	-0.0035	-0.0040
	0.00	ESPECTRO	5.35E-01	5.65E-04	2.64E-04		COMB10	3.6852	3.6883	0.0000	0.0033	-0.0016	-0.0020

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO AS-4 (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames													
ELE.	Stat.	OutputCase	P	V2	M3	ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
Text	m	Text	Ton	Ton	Ton-m								
	0.53	ESPECTRO	5.35E-01	5.65E-04	4.51E-04								
	0.00	DEAD	2.05E+00	-3.79E-03	-1.93E-03								
	0.53	DEAD	2.05E+00	6.36E-05	-9.43E-04		COMB1	5.7387	5.7432	-0.0097	-0.0043	-0.0055	-0.0018
	0.00	COBERT	1.14E+00	-1.57E-03	-1.04E-03		COMB2	12.1863	12.1902	-0.0184	-0.0138	-0.0114	-0.0028
	0.53	COBERT	1.14E+00	-1.57E-03	-2.04E-04		COMB3	15.7204	15.7244	-0.0233	-0.0187	-0.0146	-0.0035
	0.00	CORREAS	9.13E-01	-1.59E-03	-9.78E-04		COMB4	-1.3406	-1.3366	0.0003	0.0050	0.0010	-0.0004
2352	0.53	CORREAS	9.13E-01	-1.59E-03	-1.33E-04	2352	COMB5	10.1684	10.1723	-0.0156	-0.0110	-0.0095	-0.0025
	0.00	VIVA	4.54E+00	-6.30E-03	-4.16E-03		COMB6	-0.3307	-0.3268	-0.0011	0.0036	0.0001	-0.0006
	0.53	VIVA	4.54E+00	-6.30E-03	-8.17E-04		COMB7	12.2196	13.4533	-0.0181	-0.0156	-0.0114	-0.0031
	0.00	VIENTO	6.56E+00	-9.10E-03	-6.01E-03		COMB8	-4.8414	-4.8384	0.0056	0.0090	0.0043	0.0004
	0.53	VIENTO	6.56E+00	-9.10E-03	-1.18E-03		COMB9	7.8251	7.8290	-0.0108	-0.0062	-0.0063	-0.0017
	0.00	ESPECTRO	6.35E-01	6.60E-04	5.18E-04		COMB10	4.3243	4.3273	-0.0056	-0.0021	-0.0030	-0.0009
	0.53	ESPECTRO	6.35E-01	6.60E-04	2.54E-04								
	0.00	DEAD	2.18E+00	-4.58E-03	-2.29E-03								
	0.53	DEAD	2.19E+00	-6.14E-04	-9.07E-04		COMB1	6.0993	6.1037	-0.0111	-0.0056	-0.0063	-0.0019
	0.00	COBERT	1.20E+00	-1.92E-03	-1.21E-03		COMB2	12.9228	12.9266	-0.0219	-0.0171	-0.0132	-0.0028
	0.53	COBERT	1.20E+00	-1.92E-03	-1.90E-04		COMB3	16.6647	16.6685	-0.0279	-0.0231	-0.0169	-0.0034
	0.00	CORREAS	9.72E-01	-1.46E-03	-1.02E-03		COMB4	-1.3995	-1.3958	0.0011	0.0058	0.0013	-0.0006
2353	0.53	CORREAS	9.72E-01	-1.46E-03	-2.43E-04	2353	COMB5	10.7862	10.7900	-0.0185	-0.0137	-0.0110	-0.0025
	0.00	VIVA	4.81E+00	-7.70E-03	-4.84E-03		COMB6	-0.3303	-0.3265	-0.0007	0.0041	0.0002	-0.0007
	0.53	VIVA	4.81E+00	-7.70E-03	-7.58E-04		COMB7	12.9531	14.2638	-0.0216	-0.0193	-0.0132	-0.0030
	0.00	VIENTO	6.95E+00	-1.11E-02	-7.00E-03		COMB8	-5.1111	-5.1083	0.0073	0.0109	0.0050	0.0002
	0.53	VIENTO	6.95E+00	-1.11E-02	-1.10E-03		COMB9	8.3133	8.3171	-0.0125	-0.0078	-0.0072	-0.0018
	0.00	ESPECTRO	6.81E-01	8.63E-04	6.31E-04		COMB10	4.6017	4.6045	-0.0063	-0.0027	-0.0034	-0.0010
	0.53	ESPECTRO	6.81E-01	8.63E-04	2.12E-04								
	0.00	DEAD	2.15E+00	-1.01E-02	-3.85E-03								
	0.53	DEAD	2.15E+00	-5.99E-03	4.08E-04		COMB1	5.9902	5.9943	-0.0265	-0.0208	-0.0107	0.0019
	0.00	COBERT	1.18E+00	-4.49E-03	-1.95E-03		COMB2	12.7161	12.7196	-0.0515	-0.0466	-0.0216	0.0044
	0.53	COBERT	1.18E+00	-4.49E-03	4.33E-04		COMB3	16.4030	16.4065	-0.0654	-0.0605	-0.0277	0.0057
	0.00	CORREAS	9.48E-01	-4.40E-03	-1.84E-03		COMB4	-1.3956	-1.3920	0.0020	0.0069	0.0016	-0.0008
2354	0.53	CORREAS	9.48E-01	-4.40E-03	4.89E-04	2354	COMB5	10.6109	10.6145	-0.0435	-0.0386	-0.0182	0.0036
	0.00	VIVA	4.74E+00	-1.80E-02	-7.79E-03		COMB6	-0.3420	-0.3385	-0.0020	0.0029	-0.0002	-0.0004
	0.53	VIVA	4.74E+00	-1.80E-02	1.73E-03		COMB7	12.7501	14.0373	-0.0508	-0.0516	-0.0215	0.0048
	0.00	VIENTO	6.85E+00	-2.59E-02	-1.12E-02		COMB8	-5.0485	-5.0458	0.0167	0.0203	0.0077	-0.0021
	0.53	VIENTO	6.85E+00	-2.59E-02	2.50E-03		COMB9	8.1781	8.1817	-0.0295	-0.0246	-0.0120	0.0026
	0.00	ESPECTRO	6.74E-01	2.23E-03	1.03E-03		COMB10	4.5252	4.5279	-0.0148	-0.0112	-0.0058	0.0014
	0.53	ESPECTRO	6.74E-01	2.23E-03	1.69E-04								
	0.00	DEAD	1.97E+00	-8.85E-03	-3.36E-03								
	0.53	DEAD	1.98E+00	-4.67E-03	2.19E-04		COMB1	5.5320	5.5359	-0.0221	-0.0163	-0.0091	0.0011
	0.00	COBERT	1.10E+00	-3.81E-03	-1.69E-03		COMB2	11.7953	11.7987	-0.0434	-0.0384	-0.0186	0.0031
	0.53	COBERT	1.10E+00	-3.81E-03	3.34E-04		COMB3	15.2255	15.2289	-0.0552	-0.0502	-0.0238	0.0041
	0.00	CORREAS	8.75E-01	-3.15E-03	-1.43E-03		COMB4	-1.3335	-1.3301	0.0021	0.0071	0.0015	-0.0009
2355	0.53	CORREAS	8.75E-01	-3.15E-03	2.34E-04	2355	COMB5	9.8368	9.8402	-0.0366	-0.0316	-0.0156	0.0025
	0.00	VIVA	4.41E+00	-1.53E-02	-6.75E-03		COMB6	-0.3534	-0.3500	-0.0013	0.0037	0.0000	-0.0006
	0.53	VIVA	4.41E+00	-1.53E-02	1.33E-03		COMB7	11.8358	13.0246	-0.0429	-0.0426	-0.0185	0.0034
	0.00	VIENTO	6.37E+00	-2.20E-02	-9.75E-03		COMB8	-4.7232	-4.7207	0.0144	0.0182	0.0068	-0.0018
	0.53	VIENTO	6.37E+00	-2.20E-02	1.93E-03		COMB9	7.5719	7.5753	-0.0247	-0.0197	-0.0102	0.0017
	0.00	ESPECTRO	6.26E-01	1.92E-03	9.22E-04		COMB10	4.1822	4.1848	-0.0123	-0.0085	-0.0049	0.0008
	0.53	ESPECTRO	6.26E-01	1.92E-03	1.13E-04								
	0.00	DEAD	1.70E+00	-1.15E-02	-4.05E-03								
	0.53	DEAD	1.70E+00	-7.20E-03	8.91E-04		COMB1	4.7937	4.7975	-0.0297	-0.0237	-0.0111	0.0031
	0.00	COBERT	9.72E-01	-4.92E-03	-1.98E-03		COMB2	10.3275	10.3307	-0.0569	-0.0518	-0.0222	0.0066
	0.53	COBERT	9.72E-01	-4.92E-03	6.22E-04		COMB3	13.3515	13.3547	-0.0722	-0.0671	-0.0284	0.0085
	0.00	CORREAS	7.51E-01	-4.80E-03	-1.87E-03		COMB4	-1.2470	-1.2438	0.0017	0.0068	0.0014	-0.0008
2356	0.53	CORREAS	7.51E-01	-4.80E-03	6.69E-04	2356	COMB5	8.6008	8.6040	-0.0482	-0.0430	-0.0187	0.0055
	0.00	VIVA	3.89E+00	-1.97E-02	-7.93E-03		COMB6	-0.3829	-0.3797	-0.0027	0.0024	-0.0003	-0.0003
	0.53	VIVA	3.89E+00	-1.97E-02	2.49E-03		COMB7	10.3810	11.4114	-0.0560	-0.0573	-0.0220	0.0073
	0.00	VIENTO	5.61E+00	-2.84E-02	-1.15E-02		COMB8	-4.2176	-4.2152	0.0179	0.0217	0.0078	-0.0027
	0.53	VIENTO	5.61E+00	-2.84E-02	3.59E-03		COMB9	6.5982	6.6014	-0.0326	-0.0275	-0.0123	0.0042
	0.00	ESPECTRO	5.46E-01	2.65E-03	1.12E-03		COMB10	3.6277	3.6301	-0.0164	-0.0126	-0.0060	0.0023
	0.53	ESPECTRO	5.46E-01	2.65E-03	2.88E-04								
	0.00	DEAD	1.35E+00	-1.19E-02	-4.17E-03								
	0.53	DEAD	1.36E+00	-7.56E-03	9.83E-04		COMB1	3.8637	3.8672	-0.0298	-0.0237	-0.0111	0.0030
	0.00	COBERT	8.05E-01	-5.06E-03	-2.02E-03		COMB2	8.4607	8.4637	-0.0579	-0.0527	-0.0224	0.0068
	0.53	COBERT	8.05E-01	-5.06E-03	6.61E-04		COMB3	10.9646	10.9677	-0.0736	-0.0684	-0.0287	0.0089
	0.00	CORREAS	6.01E-01	-4.29E-03	-1.74E-03		COMB4	-1.1231	-1.1200	0.0024	0.0076	0.0016	-0.0010
2357	0.53	CORREAS	6.01E-01	-4.29E-03	5.32E-04	2357	COMB5	7.0310	7.0340	-0.0489	-0.0437	-0.0188	0.0057
	0.00	VIVA	3.22E+00	-2.02E-02	-8.07E-03		COMB6	-0.4076	-0.4045	-0.0021	0.0031	-0.0002	-0.0004
	0.53	VIVA	3.22E+00	-2.02E-02	2.64E-03		COMB7	8.5276	9.3586	-0.0571	-0.0583	-0.0223	0.0076
	0.00	VIENTO	4.65E+00	-2.92E-02	-1.17E-02		COMB8	-3.5600	-3.5578	0.0189	0.0228	0.0080	-0.0030
	0.53	VIENTO	4.65E+00	-2.92E-02	3.82E-03		COMB9	5.3633	5.3663	-0.0329	-0.0276	-0.0124	0.0042
	0.00	ESPECTRO	4.42E-01	2.78E-03	1.16E-03		COMB10	2.9263	2.9285	-0.0164	-0.0124	-0.0060	0.0023
	0.53	ESPECTRO	4.42E-01	2.78E-03	3.15E-04								
	0.00	DEAD	9.24E-01	-1.71E-02	-5.00E-03								
	0.53	DEAD	9.26E-01	-1.27E-02	2.88E-03		COMB1	2.6970	2.7003	-0.0440	-0.0377	-0.0134	0.0082

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO AS-4 (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames

ELE.	Stat.	OutputCase	P	V2	M3	ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
Text	m	Text	Ton	Ton	Ton-m								
2358	0.00	COBERT	5.92E-01	-7.22E-03	-2.36E-03	2358	COMB2	6.0987	6.1016	-0.0839	-0.0785	-0.0266	0.0164
	0.53	COBERT	5.92E-01	-7.22E-03	1.46E-03		COMB3	7.9404	7.9432	-0.1063	-0.1010	-0.0339	0.0209
	0.00	CORREAS	4.11E-01	-7.06E-03	-2.24E-03		COMB4	-0.9501	-0.9472	0.0021	0.0075	0.0015	-0.0011
	0.53	CORREAS	4.11E-01	-7.06E-03	1.50E-03		COMB5	5.0472	5.0500	-0.0710	-0.0657	-0.0224	0.0138
	0.00	VIVA	2.37E+00	-2.89E-02	-9.43E-03		COMB6	-0.4238	-0.4210	-0.0043	0.0010	-0.0006	0.0002
	0.53	VIVA	2.37E+00	-2.89E-02	5.85E-03		COMB7	6.1790	6.7597	-0.0825	-0.0866	-0.0263	0.0180
	0.00	VIENTO	3.42E+00	-4.17E-02	-1.36E-02		COMB8	-2.7115	-2.7093	0.0260	0.0300	0.0091	-0.0057
	0.53	VIENTO	3.42E+00	-4.17E-02	8.45E-03		COMB9	3.8093	3.8121	-0.0478	-0.0425	-0.0148	0.0108
	0.00	ESPECTRO	3.14E-01	4.26E-03	1.40E-03		COMB10	2.0479	2.0500	-0.0240	-0.0200	-0.0072	0.0061
	0.53	ESPECTRO	3.14E-01	4.26E-03	8.59E-04								
2359	0.00	DEAD	4.22E-01	-8.78E-03	-3.08E-03	2359							
	0.53	DEAD	4.24E-01	-4.26E-03	3.64E-04		COMB1	1.3419	1.3450	-0.0201	-0.0138	-0.0079	0.0011
	0.00	COBERT	3.41E-01	-2.89E-03	-1.35E-03		COMB2	3.3337	3.3363	-0.0358	-0.0303	-0.0154	0.0020
	0.53	COBERT	3.41E-01	-2.89E-03	1.78E-04		COMB3	4.3955	4.3981	-0.0448	-0.0393	-0.0196	0.0026
	0.00	CORREAS	1.96E-01	-2.69E-03	-1.21E-03		COMB4	-0.7304	-0.7278	-0.0013	0.0041	0.0007	-0.0001
	0.53	CORREAS	1.96E-01	-2.69E-03	2.09E-04		COMB5	2.7274	2.7300	-0.0306	-0.0252	-0.0130	0.0017
	0.00	VIVA	1.36E+00	-1.16E-02	-5.41E-03		COMB6	-0.4270	-0.4244	-0.0039	0.0016	-0.0005	0.0001
	0.53	VIVA	1.36E+00	-1.16E-02	7.12E-04		COMB7	3.4256	3.7158	-0.0347	-0.0335	-0.0152	0.0022
	0.00	VIENTO	1.97E+00	-1.67E-02	-7.81E-03		COMB8	-1.7003	-1.6983	0.0088	0.0129	0.0051	-0.0007
	0.53	VIENTO	1.97E+00	-1.67E-02	1.03E-03		COMB9	1.9973	1.9999	-0.0209	-0.0155	-0.0086	0.0015
	0.00	ESPECTRO	1.65E-01	2.12E-03	8.93E-04		COMB10	1.0274	1.0294	-0.0108	-0.0067	-0.0042	0.0009
	0.53	ESPECTRO	1.65E-01	2.12E-03	2.32E-04								
2360	0.00	DEAD	-2.31E-01	-1.60E-02	-3.89E-03	2360							
	0.53	DEAD	-2.29E-01	-1.14E-02	3.35E-03		COMB1	-0.4168	-0.4140	-0.0395	-0.0330	-0.0100	0.0091
	0.00	COBERT	2.25E-02	-5.93E-03	-1.59E-03		COMB2	-0.2135	-0.2111	-0.0718	-0.0663	-0.0188	0.0177
	0.53	COBERT	2.25E-02	-5.93E-03	1.54E-03		COMB3	-0.1436	-0.1411	-0.0903	-0.0847	-0.0237	0.0225
	0.00	CORREAS	-8.96E-02	-6.28E-03	-1.67E-03		COMB4	-0.4811	-0.4787	-0.0011	0.0044	0.0002	-0.0007
	0.53	CORREAS	-8.96E-02	-6.28E-03	1.64E-03		COMB5	-0.2534	-0.2510	-0.0613	-0.0557	-0.0159	0.0150
	0.00	VIVA	8.99E-02	-2.37E-02	-6.36E-03		COMB6	-0.4612	-0.4587	-0.0064	-0.0009	-0.0012	0.0007
	0.53	VIVA	8.99E-02	-2.37E-02	6.17E-03		COMB7	-0.0992	-0.1861	-0.0699	-0.0729	-0.0184	0.0194
	0.00	VIENTO	1.30E-01	-3.43E-02	-9.19E-03		COMB8	-0.4367	-0.4349	0.0192	0.0233	0.0055	-0.0057
	0.53	VIENTO	1.30E-01	-3.43E-02	8.91E-03		COMB9	-0.2904	-0.2880	-0.0415	-0.0360	-0.0106	0.0120
	0.00	ESPECTRO	2.19E-02	4.16E-03	1.17E-03		COMB10	-0.2461	-0.2442	-0.0212	-0.0171	-0.0053	0.0069
	0.53	ESPECTRO	2.19E-02	4.16E-03	1.04E-03								
2361	0.00	DEAD	-5.50E-01	-1.56E-02	-4.23E-03	2361							
	0.53	DEAD	-5.49E-01	-1.09E-02	2.76E-03		COMB1	-1.2228	-1.2202	-0.0384	-0.0319	-0.0110	0.0075
	0.00	COBERT	-9.56E-02	-6.29E-03	-1.93E-03		COMB2	-1.6599	-1.6577	-0.0732	-0.0676	-0.0218	0.0154
	0.53	COBERT	-9.56E-02	-6.29E-03	1.39E-03		COMB3	-1.9575	-1.9552	-0.0927	-0.0871	-0.0278	0.0197
	0.00	CORREAS	-2.27E-01	-5.59E-03	-1.71E-03		COMB4	-0.5212	-0.5189	0.0017	0.0073	0.0012	-0.0012
	0.53	CORREAS	-2.27E-01	-5.59E-03	1.24E-03		COMB5	-1.4901	-1.4878	-0.0620	-0.0564	-0.0184	0.0129
	0.00	VIVA	-3.82E-01	-2.51E-02	-7.72E-03		COMB6	-0.6062	-0.6040	-0.0039	0.0017	-0.0005	0.0000
	0.53	VIVA	-3.82E-01	-2.51E-02	5.56E-03		COMB7	-1.5042	-1.7640	-0.0719	-0.0746	-0.0216	0.0169
	0.00	VIENTO	-5.52E-01	-3.63E-02	-1.11E-02		COMB8	-0.0680	-0.0663	0.0225	0.0267	0.0074	-0.0056
	0.53	VIENTO	-5.52E-01	-3.63E-02	8.03E-03		COMB9	-1.1303	-1.1281	-0.0416	-0.0360	-0.0121	0.0101
	0.00	ESPECTRO	1.09E-01	3.91E-03	1.20E-03		COMB10	-0.6771	-0.6754	-0.0208	-0.0166	-0.0059	0.0057
	0.53	ESPECTRO	1.09E-01	3.91E-03	8.66E-04								
2362	0.00	DEAD	-1.09E+00	-1.80E-02	-4.14E-03	2362							
	0.53	DEAD	-1.09E+00	-1.33E-02	4.13E-03		COMB1	-2.5980	-2.5956	-0.0456	-0.0390	-0.0110	0.0113
	0.00	COBERT	-3.02E-01	-7.57E-03	-1.96E-03		COMB2	-4.1609	-4.1589	-0.0876	-0.0819	-0.0219	0.0228
	0.53	COBERT	-3.02E-01	-7.57E-03	2.04E-03		COMB3	-5.1014	-5.0994	-0.1112	-0.1055	-0.0280	0.0291
	0.00	CORREAS	-4.61E-01	-6.98E-03	-1.76E-03		COMB4	-0.5611	-0.5590	0.0026	0.0083	0.0014	-0.0015
	0.53	CORREAS	-4.61E-01	-6.98E-03	1.93E-03		COMB5	-3.6239	-3.6218	-0.0741	-0.0685	-0.0185	0.0191
	0.00	VIVA	-1.21E+00	-3.03E-02	-7.82E-03		COMB6	-0.8298	-0.8278	-0.0041	0.0016	-0.0004	0.0003
	0.53	VIVA	-1.21E+00	-3.03E-02	8.16E-03		COMB7	-3.9403	-4.4950	-0.0862	-0.0903	-0.0218	0.0250
	0.00	VIENTO	-1.75E+00	-4.38E-02	-1.13E-02		COMB8	0.6001	0.6016	0.0276	0.0318	0.0076	-0.0080
	0.53	VIENTO	-1.75E+00	-4.38E-02	1.18E-02		COMB9	-2.5605	-2.5585	-0.0495	-0.0439	-0.0121	0.0151
	0.00	ESPECTRO	2.71E-01	4.73E-03	1.21E-03		COMB10	-1.3994	-1.3979	-0.0246	-0.0204	-0.0059	0.0086
	0.53	ESPECTRO	2.71E-01	4.73E-03	1.29E-03								
2363	0.00	DEAD	-1.50E+00	-8.00E-03	-2.27E-03	2363							
	0.53	DEAD	-1.50E+00	-3.22E-03	6.85E-04		COMB1	-3.6144	-3.6122	-0.0181	-0.0114	-0.0059	0.0019
	0.00	COBERT	-4.43E-01	-2.80E-03	-1.11E-03		COMB2	-5.9303	-5.9285	-0.0335	-0.0277	-0.0121	0.0040
	0.53	COBERT	-4.43E-01	-2.80E-03	3.69E-04		COMB3	-7.3076	-7.3058	-0.0422	-0.0364	-0.0156	0.0051
	0.00	CORREAS	-6.36E-01	-2.16E-03	-8.26E-04		COMB4	-0.6586	-0.6567	-0.0001	0.0056	0.0011	-0.0004
	0.53	CORREAS	-6.36E-01	-2.16E-03	3.12E-04		COMB5	-5.1439	-5.1420	-0.0285	-0.0227	-0.0102	0.0033
	0.00	VIVA	-1.77E+00	-1.12E-02	-4.43E-03		COMB6	-1.0522	-1.0503	-0.0026	0.0031	0.0001	-0.0001
	0.53	VIVA	-1.77E+00	-1.12E-02	1.47E-03		COMB7	-5.6480	-6.4207	-0.0327	-0.0308	-0.0121	0.0044
	0.00	VIENTO	-2.56E+00	-1.62E-02	-6.39E-03		COMB8	1.0010	1.0024	0.0094	0.0137	0.0045	-0.0015
	0.53	VIENTO	-2.56E+00	-1.62E-02	2.13E-03		COMB9	-3.5814	-3.5795	-0.0197	-0.0139	-0.0067	0.0026
	0.00	ESPECTRO	4.02E-01	1.48E-03	6.03E-04		COMB10	-1.9218	-1.9204	-0.0102	-0.0059	-0.0032	0.0014
	0.53	ESPECTRO	4.02E-01	1.48E-03	1.91E-04								
	0.00	DEAD	-2.34E+00	-2.13E-01	-1.32E-02								
	0.32	DEAD	-2.34E+00	-2.06E-01	5.48E-02		COMB1	-5.9018	-5.8990	-0.5644	-0.5551	-0.0350	0.1467
	0.00	COBERT	-8.76E-01	-1.00E-01	-6.11E-03		COMB2	-10.6642	-10.6618	-1.1267	-1.1188	-0.0691	0.2953
	0.32	COBERT	-8.76E-01	-1.00E-01	2.65E-02		COMB3	-13.3902	-13.3877	-1.4394	-1.4314	-0.0881	0.3777
	0.00	CORREAS	-9.96E-01	-8.99E-02	-5.68E-03		COMB4	-0.2307	-0.2283	0.0701	0.0780	0.0037	-0.0203

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO AS-4 (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames													
ELE.	Stat.	OutputCase	P	V2	M3	ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
Text	m	Text	Ton	Ton	Ton-m								
2364	0.32	CORREAS	-9.96E-01	-8.99E-02	2.35E-02	2364	COMB5	-9.1078	-9.1053	-0.9482	-0.9402	-0.0582	0.2482
	0.00	VIVA	-3.50E+00	-4.02E-01	-2.44E-02		COMB6	-1.0097	-1.0072	-0.0193	-0.0113	-0.0018	0.0032
	0.32	VIVA	-3.50E+00	-4.02E-01	1.06E-01		COMB7	-10.3738	-11.6360	-1.1175	-1.2305	-0.0684	0.3248
	0.00	VIENTO	-5.06E+00	-5.81E-01	-3.53E-02		COMB8	2.7857	2.7875	0.3919	0.3979	0.0234	-0.1048
	0.32	VIENTO	-5.06E+00	-5.81E-01	1.53E-01		COMB9	-6.1497	-6.1473	-0.6135	-0.6056	-0.0381	0.1977
	0.00	ESPECTRO	6.61E-01	7.11E-02	4.15E-03		COMB10	-3.1333	-3.1315	-0.2917	-0.2857	-0.0183	0.1132
	0.32	ESPECTRO	6.61E-01	7.11E-02	1.90E-02								
BRIDA INFERIOR						BRIDA INFERIOR							
	0.00	DEAD	-1.94E-01	-6.74E-02	2.56E-03								
	0.09	DEAD	-1.94E-01	-6.66E-02	8.50E-03		COMB1	-0.4940	-0.4943	-0.1702	-0.1690	0.0066	0.0217
	0.00	COBERT	-6.96E-02	-3.31E-02	6.60E-04		COMB2	-0.8691	-0.8694	-0.3575	-0.3566	0.0099	0.0416
	0.09	COBERT	-6.96E-02	-3.31E-02	3.60E-03		COMB3	-1.0858	-1.0861	-0.4605	-0.4595	0.0120	0.0528
	0.00	CORREAS	-8.90E-02	-2.11E-02	1.50E-03		COMB4	-0.0396	-0.0399	0.0365	0.0374	0.0020	-0.0013
585	0.09	CORREAS	-8.90E-02	-2.11E-02	3.38E-03	585	COMB5	-0.7453	-0.7456	-0.2988	-0.2978	0.0087	0.0352
	0.00	VIVA	-2.79E-01	-1.32E-01	2.64E-03		COMB6	-0.1015	-0.1018	0.0071	0.0080	0.0026	0.0019
	0.09	VIVA	-2.79E-01	-1.32E-01	1.44E-02		COMB7	-0.8407	-0.9468	-0.3579	-0.3934	0.0092	0.0456
	0.00	VIENTO	-4.02E-01	-1.91E-01	3.82E-03		COMB8	0.2056	0.2053	0.1391	0.1398	-0.0007	-0.0131
	0.09	VIENTO	-4.02E-01	-1.91E-01	2.08E-02		COMB9	-0.4707	-0.4711	-0.1526	-0.1516	0.0105	0.0283
	0.00	ESPECTRO	9.19E-02	5.94E-02	3.47E-03		COMB10	-0.2256	-0.2259	-0.0500	-0.0492	0.0077	0.0165
	0.09	ESPECTRO	9.19E-02	5.94E-02	2.58E-03								
	0.00	DEAD	-2.03E-01	7.38E-03	3.82E-03								
	0.50	DEAD	-2.05E-01	1.19E-02	-9.77E-04		COMB1	-0.5208	-0.5230	0.0213	0.0276	0.0098	-0.0023
	0.00	COBERT	-7.33E-02	3.99E-03	1.63E-03		COMB2	-0.9157	-0.9176	0.0438	0.0492	0.0189	-0.0043
	0.50	COBERT	-7.33E-02	3.99E-03	-3.55E-04		COMB3	-1.1439	-1.1458	0.0562	0.0616	0.0240	-0.0054
	0.00	CORREAS	-9.54E-02	3.84E-03	1.58E-03		COMB4	-0.0422	-0.0441	-0.0037	0.0016	-0.0006	0.0000
586	0.50	CORREAS	-9.54E-02	3.84E-03	-3.38E-04	586	COMB5	-0.7854	-0.7873	0.0367	0.0421	0.0160	-0.0036
	0.00	VIVA	-2.93E-01	1.60E-02	6.53E-03		COMB6	-0.1074	-0.1093	-0.0002	0.0052	0.0009	-0.0004
	0.50	VIVA	-2.93E-01	1.60E-02	-1.42E-03		COMB7	-0.8857	-0.9991	0.0436	0.0536	0.0186	-0.0047
	0.00	VIENTO	-4.24E-01	2.30E-02	9.44E-03		COMB8	0.2160	0.2146	-0.0163	-0.0122	-0.0059	0.0012
	0.50	VIENTO	-4.24E-01	2.30E-02	-2.05E-03		COMB9	-0.4957	-0.4975	0.0298	0.0352	0.0131	-0.0023
	0.00	ESPECTRO	9.74E-02	3.62E-03	1.37E-03		COMB10	-0.2374	-0.2388	0.0173	0.0213	0.0077	-0.0011
	0.50	ESPECTRO	9.74E-02	3.62E-03	4.46E-04								
	0.00	DEAD	-1.52E-01	-5.68E-03	-9.90E-04								
	0.50	DEAD	-1.54E-01	-1.25E-03	7.35E-04		COMB1	-0.3902	-0.3926	-0.0122	-0.0060	-0.0024	0.0021
	0.00	COBERT	-5.12E-02	-1.42E-03	-3.63E-04		COMB2	-0.6620	-0.6640	-0.0195	-0.0142	-0.0044	0.0040
	0.50	COBERT	-5.12E-02	-1.42E-03	3.46E-04		COMB3	-0.8213	-0.8233	-0.0240	-0.0186	-0.0055	0.0051
	0.00	CORREAS	-7.52E-02	-1.60E-03	-3.76E-04		COMB4	-0.0523	-0.0544	-0.0026	0.0027	-0.0001	-0.0001
587	0.50	CORREAS	-7.52E-02	-1.60E-03	4.19E-04	587	COMB5	-0.5710	-0.5731	-0.0170	-0.0117	-0.0038	0.0034
	0.00	VIVA	-2.05E-01	-5.69E-03	-1.45E-03		COMB6	-0.0978	-0.0999	-0.0039	0.0015	-0.0004	0.0002
	0.50	VIVA	-2.05E-01	-5.69E-03	1.38E-03		COMB7	-0.6353	-0.7210	-0.0185	-0.0158	-0.0043	0.0044
	0.00	VIENTO	-2.96E-01	-8.22E-03	-2.10E-03		COMB8	0.1337	0.1321	0.0029	0.0068	0.0012	-0.0012
	0.50	VIENTO	-2.96E-01	-8.22E-03	2.00E-03		COMB9	-0.3149	-0.3170	-0.0131	-0.0078	-0.0027	0.0026
	0.00	ESPECTRO	1.22E-01	1.43E-04	6.60E-05		COMB10	-0.1289	-0.1305	-0.0077	-0.0037	-0.0015	0.0015
	0.50	ESPECTRO	1.22E-01	1.43E-04	1.14E-04								
	0.00	DEAD	-8.03E-02	-2.96E-03	-2.73E-04								
	0.50	DEAD	-8.22E-02	1.40E-03	1.16E-04		COMB1	-0.1903	-0.1929	-0.0052	0.0009	-0.0006	0.0005
	0.00	COBERT	-1.67E-02	-4.07E-04	-9.35E-05		COMB2	-0.2702	-0.2724	-0.0071	-0.0018	-0.0011	0.0011
	0.50	COBERT	-1.67E-02	-4.07E-04	1.09E-04		COMB3	-0.3223	-0.3245	-0.0083	-0.0031	-0.0014	0.0015
	0.00	CORREAS	-3.89E-02	-3.58E-04	-4.68E-05		COMB4	-0.0708	-0.0731	-0.0022	0.0030	0.0000	-0.0002
588	0.50	CORREAS	-3.89E-02	-3.58E-04	1.32E-04	588	COMB5	-0.2405	-0.2427	-0.0064	-0.0011	-0.0009	0.0009
	0.00	VIVA	-6.69E-02	-1.63E-03	-3.74E-04		COMB6	-0.0857	-0.0880	-0.0026	0.0026	-0.0001	-0.0001
	0.50	VIVA	-6.69E-02	-1.63E-03	4.37E-04		COMB7	-0.2481	-0.2911	-0.0064	-0.0023	-0.0011	0.0013
	0.00	VIENTO	-9.67E-02	-2.35E-03	-5.40E-04		COMB8	0.0034	0.0017	-0.0003	0.0036	0.0003	-0.0005
	0.50	VIENTO	-9.67E-02	-2.35E-03	6.32E-04		COMB9	-0.0598	-0.0620	-0.0051	0.0002	-0.0006	0.0007
	0.00	ESPECTRO	1.37E-01	2.06E-04	8.64E-05		COMB10	0.0145	0.0128	-0.0032	0.0008	-0.0003	0.0004
	0.50	ESPECTRO	1.37E-01	2.06E-04	7.51E-05								
	0.00	DEAD	1.33E-02	-7.60E-03	-1.27E-03								
	0.50	DEAD	1.13E-02	-3.30E-03	1.45E-03		COMB1	0.0541	0.0513	-0.0178	-0.0118	-0.0033	0.0041
	0.00	COBERT	2.58E-02	-2.52E-03	-5.35E-04		COMB2	0.2118	0.2093	-0.0314	-0.0262	-0.0062	0.0081
	0.50	COBERT	2.58E-02	-2.52E-03	7.22E-04		COMB3	0.2922	0.2898	-0.0392	-0.0341	-0.0079	0.0104
	0.00	CORREAS	-5.43E-04	-2.60E-03	-5.29E-04		COMB4	-0.0961	-0.0985	-0.0014	0.0038	0.0001	-0.0005
589	0.50	CORREAS	-5.43E-04	-2.60E-03	7.68E-04	589	COMB5	0.1658	0.1634	-0.0269	-0.0218	-0.0053	0.0069
	0.00	VIVA	1.03E-01	-1.01E-02	-2.14E-03		COMB6	-0.0731	-0.0755	-0.0036	0.0015	-0.0003	0.0002
	0.50	VIVA	1.03E-01	-1.01E-02	2.89E-03		COMB7	0.2289	0.2381	-0.0304	-0.0290	-0.0061	0.0089
	0.00	VIENTO	1.49E-01	-1.46E-02	-3.09E-03		COMB8	-0.1593	-0.1611	0.0075	0.0113	0.0019	-0.0028
	0.50	VIENTO	1.49E-01	-1.46E-02	4.17E-03		COMB9	0.2403	0.2378	-0.0195	-0.0143	-0.0037	0.0053
	0.00	ESPECTRO	1.42E-01	8.55E-04	1.45E-04		COMB10	0.1770	0.1752	-0.0106	-0.0067	-0.0020	0.0029
	0.50	ESPECTRO	1.42E-01	8.55E-04	2.90E-04								
	0.00	DEAD	1.22E-01	-2.05E-03	2.18E-04								
	0.50	DEAD	1.20E-01	2.18E-03	1.85E-04		COMB1	0.3453	0.3423	-0.0026	0.0033	0.0008	0.0006
	0.00	COBERT	7.47E-02	7.55E-05	1.58E-04		COMB2	0.7738	0.7713	-0.0018	0.0033	0.0017	0.0013
	0.50	COBERT	7.47E-02	7.55E-05	1.21E-04		COMB3	1.0062	1.0036	-0.0015	0.0035	0.0022	0.0017
	0.00	CORREAS	4.95E-02	9.73E-05	1.90E-04		COMB4	-0.1156	-0.1182	-0.0027	0.0024	-0.0002	-0.0001
	0.50	CORREAS	4.95E-02	9.73E-05	1.41E-04		COMB5	0.6412	0.6386	-0.0019	0.0032	0.0014	0.0011
590	0.00	VIVA	2.99E-01	3.02E-04	6.34E-04	590	COMB6	-0.0492	-0.0518	-0.0026	0.0025	-0.0001	0.0000

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO AS-4 (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames													
ELE.	Stat.	OutputCase	P	V2	M3	ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
Text	m	Text	Ton	Ton	Ton-m								
	0.50	VIVA	2.99E-01	3.02E-04	4.83E-04		COMB7	0.7829	0.8543	-0.0011	0.0034	0.0017	0.0014
	0.00	VIENTO	4.31E-01	4.36E-04	9.16E-04		COMB8	-0.3390	-0.3409	-0.0023	0.0016	-0.0007	-0.0005
	0.50	VIENTO	4.31E-01	4.36E-04	6.98E-04		COMB9	0.5854	0.5828	-0.0019	0.0031	0.0011	0.0009
	0.00	ESPECTRO	1.40E-01	1.59E-04	1.23E-04		COMB10	0.3621	0.3601	-0.0015	0.0023	0.0006	0.0005
	0.50	ESPECTRO	1.40E-01	1.59E-04	8.08E-05								
	0.00	DEAD	1.37E-01	-1.97E-03	-5.96E-06								
	0.50	DEAD	1.35E-01	2.17E-03	-5.58E-05		COMB1	0.3764	0.3732	-0.0030	0.0028	0.0001	0.0001
	0.00	COBERT	7.93E-02	8.63E-05	4.60E-05		COMB2	0.8304	0.8277	-0.0020	0.0030	0.0003	0.0001
	0.50	COBERT	7.93E-02	8.63E-05	2.96E-06		COMB3	1.0774	1.0746	-0.0017	0.0033	0.0005	0.0001
	0.00	CORREAS	5.21E-02	-2.27E-04	5.23E-06		COMB4	-0.1148	-0.1175	-0.0030	0.0020	-0.0002	0.0001
591	0.50	CORREAS	5.21E-02	-2.27E-04	1.18E-04	591	COMB5	0.6894	0.6867	-0.0021	0.0028	0.0003	0.0001
	0.00	VIVA	3.17E-01	3.45E-04	1.84E-04		COMB6	-0.0442	-0.0470	-0.0029	0.0020	-0.0002	0.0001
	0.50	VIVA	3.17E-01	3.45E-04	1.18E-05		COMB7	0.8380	0.9159	-0.0013	0.0031	0.0004	0.0001
	0.00	VIENTO	4.59E-01	4.99E-04	2.66E-04		COMB8	-0.3541	-0.3562	-0.0026	0.0012	-0.0003	0.0000
	0.50	VIENTO	4.59E-01	4.99E-04	1.71E-05		COMB9	0.6292	0.6264	-0.0022	0.0028	0.0002	0.0002
	0.00	ESPECTRO	1.48E-01	1.53E-04	4.69E-05		COMB10	0.3899	0.3878	-0.0018	0.0020	0.0001	0.0001
	0.50	ESPECTRO	1.48E-01	1.53E-04	8.92E-05								
	0.00	DEAD	1.60E-01	-2.49E-03	-1.64E-04								
	0.50	DEAD	1.57E-01	1.57E-03	6.55E-05		COMB1	0.4333	0.4298	-0.0039	0.0018	-0.0002	0.0003
	0.00	COBERT	8.72E-02	-2.08E-04	-4.20E-05		COMB2	0.9296	0.9267	-0.0047	0.0002	-0.0005	0.0006
	0.50	COBERT	8.72E-02	-2.08E-04	6.17E-05		COMB3	1.2011	1.1982	-0.0053	-0.0005	-0.0006	0.0008
	0.00	CORREAS	6.25E-02	-9.32E-05	3.31E-05		COMB4	-0.1095	-0.1124	-0.0022	0.0027	0.0000	-0.0001
592	0.50	CORREAS	6.25E-02	-9.32E-05	7.96E-05	592	COMB5	0.7746	0.7717	-0.0043	0.0006	-0.0004	0.0005
	0.00	VIVA	3.49E-01	-8.32E-04	-1.68E-04		COMB6	-0.0319	-0.0348	-0.0024	0.0025	0.0000	0.0000
	0.50	VIVA	3.49E-01	-8.32E-04	2.47E-04		COMB7	0.9338	1.0237	-0.0041	0.0000	-0.0005	0.0007
	0.00	VIENTO	5.04E-01	-1.20E-03	-2.43E-04		COMB8	-0.3768	-0.3790	-0.0010	0.0027	0.0002	-0.0003
	0.50	VIENTO	5.04E-01	-1.20E-03	3.57E-04		COMB9	0.6979	0.6950	-0.0032	0.0017	-0.0001	0.0005
	0.00	ESPECTRO	1.52E-01	5.49E-04	1.57E-04		COMB10	0.4306	0.4284	-0.0020	0.0017	0.0000	0.0003
	0.50	ESPECTRO	1.52E-01	5.49E-04	1.37E-04								
	0.00	DEAD	1.88E-01	-2.44E-03	-1.57E-04								
	0.50	DEAD	1.86E-01	1.53E-03	7.06E-05		COMB1	0.4968	0.4932	-0.0043	0.0012	-0.0004	0.0004
	0.00	COBERT	9.77E-02	-2.18E-04	-4.55E-05		COMB2	1.0514	1.0483	-0.0051	-0.0003	-0.0006	0.0008
	0.50	COBERT	9.77E-02	-2.18E-04	6.29E-05		COMB3	1.3556	1.3525	-0.0058	-0.0010	-0.0007	0.0010
	0.00	CORREAS	6.88E-02	-4.35E-04	-5.67E-05		COMB4	-0.1129	-0.1160	-0.0025	0.0023	-0.0001	0.0000
593	0.50	CORREAS	6.88E-02	-4.35E-04	1.60E-04	593	COMB5	0.8777	0.8746	-0.0047	0.0001	-0.0005	0.0006
	0.00	VIVA	3.91E-01	-8.70E-04	-1.82E-04		COMB6	-0.0260	-0.0291	-0.0027	0.0021	-0.0001	0.0001
	0.50	VIVA	3.91E-01	-8.70E-04	2.52E-04		COMB7	1.0536	1.1570	-0.0044	-0.0006	-0.0006	0.0008
	0.00	VIENTO	5.65E-01	-1.26E-03	-2.63E-04		COMB8	-0.4149	-0.4172	-0.0012	0.0024	0.0001	-0.0002
	0.50	VIENTO	5.65E-01	-1.26E-03	3.64E-04		COMB9	0.7745	0.7714	-0.0034	0.0013	-0.0002	0.0006
	0.00	ESPECTRO	1.53E-01	7.16E-04	2.06E-04		COMB10	0.4725	0.4702	-0.0021	0.0015	0.0000	0.0004
	0.50	ESPECTRO	1.53E-01	7.16E-04	1.63E-04								
	0.00	DEAD	2.16E-01	-2.15E-03	-9.29E-05								
	0.50	DEAD	2.14E-01	1.73E-03	1.21E-05		COMB1	0.5644	0.5605	-0.0032	0.0023	-0.0001	0.0001
	0.00	COBERT	1.07E-01	-1.17E-04	-2.13E-05		COMB2	1.1699	1.1667	-0.0035	0.0012	-0.0002	0.0004
	0.50	COBERT	1.07E-01	-1.17E-04	3.73E-05		COMB3	1.5037	1.5004	-0.0038	0.0008	-0.0003	0.0005
	0.00	CORREAS	7.95E-02	-5.34E-06	5.38E-05		COMB4	-0.1073	-0.1106	-0.0021	0.0026	0.0000	-0.0001
594	0.50	CORREAS	7.95E-02	-5.34E-06	5.65E-05	594	COMB5	0.9794	0.9761	-0.0033	0.0014	-0.0002	0.0003
	0.00	VIVA	4.29E-01	-4.70E-04	-8.51E-05		COMB6	-0.0119	-0.0152	-0.0022	0.0025	0.0000	0.0000
	0.50	VIVA	4.29E-01	-4.70E-04	1.49E-04		COMB7	1.1683	1.2859	-0.0029	0.0010	-0.0002	0.0004
	0.00	VIENTO	6.20E-01	-6.79E-04	-1.23E-04		COMB8	-0.4427	-0.4451	-0.0012	0.0023	0.0001	-0.0002
	0.50	VIENTO	6.20E-01	-6.79E-04	2.15E-04		COMB9	0.8509	0.8476	-0.0022	0.0025	0.0001	0.0004
	0.00	ESPECTRO	1.53E-01	7.80E-04	2.29E-04		COMB10	0.5155	0.5130	-0.0013	0.0022	0.0002	0.0003
	0.50	ESPECTRO	1.53E-01	7.80E-04	1.68E-04								
	0.00	DEAD	2.39E-01	-1.81E-03	-1.08E-05								
	0.50	DEAD	2.36E-01	1.98E-03	-5.39E-05		COMB1	0.6080	0.6039	-0.0026	0.0027	0.0000	0.0000
	0.00	COBERT	1.13E-01	7.27E-05	1.86E-05		COMB2	1.2475	1.2441	-0.0018	0.0028	0.0001	-0.0001
	0.50	COBERT	1.13E-01	7.27E-05	-1.76E-05		COMB3	1.6007	1.5973	-0.0015	0.0030	0.0002	-0.0002
	0.00	CORREAS	8.19E-02	-1.31E-04	6.76E-06		COMB4	-0.1045	-0.1080	-0.0026	0.0019	-0.0001	0.0001
595	0.50	CORREAS	8.19E-02	-1.31E-04	7.23E-05	595	COMB5	1.0458	1.0424	-0.0019	0.0026	0.0001	-0.0001
	0.00	VIVA	4.54E-01	2.91E-04	7.46E-05		COMB6	-0.0036	-0.0070	-0.0026	0.0020	-0.0001	0.0001
	0.50	VIVA	4.54E-01	2.91E-04	-7.04E-05		COMB7	1.2435	1.3703	-0.0011	0.0029	0.0002	-0.0001
	0.00	VIENTO	6.56E-01	4.20E-04	1.08E-04		COMB8	-0.4618	-0.4644	-0.0022	0.0012	-0.0001	0.0001
	0.50	VIENTO	6.56E-01	4.20E-04	-1.02E-04		COMB9	0.8987	0.8953	-0.0011	0.0034	0.0003	0.0002
	0.00	ESPECTRO	1.51E-01	9.51E-04	2.58E-04		COMB10	0.5414	0.5389	-0.0007	0.0027	0.0003	0.0002
	0.50	ESPECTRO	1.51E-01	9.51E-04	2.19E-04								
	0.00	DEAD	2.52E-01	-8.70E-04	1.91E-04								
	0.50	DEAD	2.49E-01	2.81E-03	-2.94E-04		COMB1	0.6327	0.6285	-0.0006	0.0045	0.0005	-0.0005
	0.00	COBERT	1.15E-01	2.26E-04	4.58E-05		COMB2	1.2780	1.2744	0.0009	0.0053	0.0007	-0.0009
	0.50	COBERT	1.15E-01	2.26E-04	-6.67E-05		COMB3	1.6358	1.6322	0.0016	0.0060	0.0008	-0.0011
	0.00	CORREAS	8.52E-02	2.08E-04	8.75E-05		COMB4	-0.0914	-0.0949	-0.0018	0.0027	0.0001	-0.0001
596	0.50	CORREAS	8.52E-02	2.08E-04	-1.60E-05	596	COMB5	1.0737	1.0701	0.0005	0.0049	0.0006	-0.0008
	0.00	VIVA	4.60E-01	9.02E-04	1.83E-04		COMB6	0.0109	0.0073	-0.0016	0.0029	0.0002	-0.0001
	0.50	VIVA	4.60E-01	9.02E-04	-2.67E-04		COMB7	1.2703	1.4023	0.0013	0.0056	0.0006	-0.0010
	0.00	VIENTO	6.64E-01	1.30E-03	2.65E-04		COMB8	-0.4568	-0.4595	-0.0021	0.0012	-0.0001	0.0002
	0.50	VIENTO	6.64E-01	1.30E-03	-3.85E-04		COMB9	0.9178	0.9142	0.0004	0.0049	0.0006	-0.0005

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO AS-4 (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames													
ELE.	Stat.	OutputCase	P	V2	M3	ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
Text	m	Text	Ton	Ton	Ton-m								
	0.00	ESPECTRO	1.46E-01	5.12E-04	1.44E-04		COMB10	0.5523	0.5496	0.0001	0.0034	0.0004	-0.0002
	0.50	ESPECTRO	1.46E-01	5.12E-04	1.12E-04								
	0.00	DEAD	2.48E-01	-3.29E-04	2.76E-04								
	0.50	DEAD	2.45E-01	3.25E-03	-4.51E-04		COMB1	0.6087	0.6044	0.0005	0.0056	0.0006	-0.0009
	0.00	COBERT	1.09E-01	4.22E-04	8.19E-05		COMB2	1.2226	1.2188	0.0032	0.0075	0.0011	-0.0016
	0.50	COBERT	1.09E-01	4.22E-04	-1.29E-04		COMB3	1.5633	1.5596	0.0045	0.0088	0.0013	-0.0020
	0.00	CORREAS	7.70E-02	2.98E-04	9.14E-05		COMB4	-0.0818	-0.0855	-0.0019	0.0024	0.0001	-0.0001
597	0.50	CORREAS	7.70E-02	2.98E-04	-5.73E-05	597	COMB5	1.0280	1.0242	0.0024	0.0067	0.0009	-0.0014
	0.00	VIVA	4.38E-01	1.69E-03	3.28E-04		COMB6	0.0156	0.0118	-0.0015	0.0028	0.0002	-0.0002
	0.50	VIVA	4.38E-01	1.69E-03	-5.15E-04		COMB7	1.2139	1.3406	0.0035	0.0079	0.0010	-0.0017
	0.00	VIENTO	6.33E-01	2.44E-03	4.73E-04		COMB8	-0.4312	-0.4340	-0.0028	0.0004	-0.0002	0.0004
	0.50	VIENTO	6.33E-01	2.44E-03	-7.43E-04		COMB9	0.8758	0.8720	0.0021	0.0064	0.0009	-0.0009
	0.00	ESPECTRO	1.35E-01	7.80E-04	2.29E-04		COMB10	0.5263	0.5235	0.0011	0.0044	0.0006	-0.0004
	0.50	ESPECTRO	1.35E-01	7.80E-04	1.61E-04								
	0.00	DEAD	2.23E-01	5.38E-04	4.60E-04								
	0.50	DEAD	2.20E-01	4.00E-03	-6.72E-04		COMB1	0.5370	0.5325	0.0027	0.0075	0.0011	-0.0015
	0.00	COBERT	9.47E-02	7.27E-04	1.49E-04		COMB2	1.0666	1.0627	0.0069	0.0111	0.0019	-0.0026
	0.50	COBERT	9.47E-02	7.27E-04	-2.13E-04		COMB3	1.3615	1.3576	0.0092	0.0134	0.0023	-0.0033
	0.00	CORREAS	6.57E-02	6.47E-04	1.69E-04		COMB4	-0.0619	-0.0658	-0.0017	0.0024	0.0001	-0.0001
598	0.50	CORREAS	6.57E-02	6.47E-04	-1.53E-04	598	COMB5	0.8983	0.8944	0.0057	0.0098	0.0016	-0.0022
	0.00	VIVA	3.79E-01	2.91E-03	5.96E-04		COMB6	0.0223	0.0184	-0.0011	0.0031	0.0002	-0.0003
	0.50	VIVA	3.79E-01	2.91E-03	-8.53E-04		COMB7	1.0569	1.1681	0.0072	0.0119	0.0018	-0.0028
	0.00	VIENTO	5.47E-01	4.20E-03	8.60E-04		COMB8	-0.3665	-0.3694	-0.0037	-0.0006	-0.0004	0.0007
	0.50	VIENTO	5.47E-01	4.20E-03	-1.23E-03		COMB9	0.7662	0.7624	0.0047	0.0088	0.0015	-0.0015
	0.00	ESPECTRO	1.16E-01	9.15E-04	2.48E-04		COMB10	0.4617	0.4588	0.0026	0.0058	0.0009	-0.0007
	0.50	ESPECTRO	1.16E-01	9.15E-04	2.11E-04								
	0.00	DEAD	1.70E-01	1.53E-03	6.70E-04								
	0.50	DEAD	1.67E-01	4.88E-03	-9.28E-04		COMB1	0.3869	0.3821	0.0049	0.0096	0.0016	-0.0021
	0.00	COBERT	6.79E-02	1.09E-03	2.31E-04		COMB2	0.7662	0.7622	0.0112	0.0152	0.0028	-0.0038
	0.50	COBERT	6.79E-02	1.09E-03	-3.12E-04		COMB3	0.9775	0.9735	0.0146	0.0186	0.0035	-0.0047
	0.00	CORREAS	3.85E-02	9.15E-04	2.20E-04		COMB4	-0.0427	-0.0468	-0.0018	0.0023	0.0001	-0.0001
599	0.50	CORREAS	3.85E-02	9.15E-04	-2.36E-04	599	COMB5	0.6455	0.6415	0.0093	0.0133	0.0024	-0.0032
	0.00	VIVA	2.72E-01	4.35E-03	9.23E-04		COMB6	0.0177	0.0136	-0.0008	0.0032	0.0003	-0.0003
	0.50	VIVA	2.72E-01	4.35E-03	-1.25E-03		COMB7	0.7588	0.8377	0.0114	0.0164	0.0027	-0.0041
	0.00	VIENTO	3.92E-01	6.29E-03	1.33E-03		COMB8	-0.2614	-0.2645	-0.0050	-0.0020	-0.0007	0.0010
	0.50	VIENTO	3.92E-01	6.29E-03	-1.80E-03		COMB9	0.5560	0.5520	0.0075	0.0116	0.0021	-0.0021
	0.00	ESPECTRO	8.86E-02	1.12E-03	2.88E-04		COMB10	0.3373	0.3343	0.0043	0.0073	0.0013	-0.0011
	0.50	ESPECTRO	8.86E-02	1.12E-03	2.72E-04								
	0.00	DEAD	8.31E-02	2.76E-03	9.24E-04								
	0.50	DEAD	7.96E-02	5.99E-03	-1.26E-03		COMB1	0.1582	0.1533	0.0079	0.0124	0.0022	-0.0029
	0.00	COBERT	2.74E-02	1.48E-03	3.13E-04		COMB2	0.3112	0.3070	0.0163	0.0201	0.0039	-0.0052
	0.50	COBERT	2.74E-02	1.48E-03	-4.25E-04		COMB3	0.3966	0.3924	0.0209	0.0247	0.0049	-0.0065
	0.00	CORREAS	2.50E-03	1.41E-03	3.28E-04		COMB4	-0.0156	-0.0198	-0.0014	0.0025	0.0002	-0.0001
600	0.50	CORREAS	2.50E-03	1.41E-03	-3.75E-04	600	COMB5	0.2624	0.2583	0.0136	0.0175	0.0033	-0.0044
	0.00	VIVA	1.10E-01	5.92E-03	1.25E-03		COMB6	0.0088	0.0046	-0.0001	0.0038	0.0004	-0.0005
	0.50	VIVA	1.10E-01	5.92E-03	-1.70E-03		COMB7	0.3078	0.3375	0.0162	0.0218	0.0038	-0.0057
	0.00	VIENTO	1.59E-01	8.55E-03	1.81E-03		COMB8	-0.1044	-0.1075	-0.0060	-0.0031	-0.0009	0.0013
	0.50	VIENTO	1.59E-01	8.55E-03	-2.45E-03		COMB9	0.2425	0.2384	0.0110	0.0149	0.0028	-0.0030
	0.00	ESPECTRO	5.21E-02	1.28E-03	3.16E-04		COMB10	0.1538	0.1506	0.0064	0.0093	0.0017	-0.0015
	0.50	ESPECTRO	5.21E-02	1.28E-03	3.26E-04								
	0.00	DEAD	-4.03E-02	3.36E-03	1.09E-03								
	0.50	DEAD	-4.39E-02	6.47E-03	-1.36E-03		COMB1	-0.1656	-0.1706	0.0091	0.0135	0.0025	-0.0031
	0.00	COBERT	-2.51E-02	1.57E-03	3.39E-04		COMB2	-0.3023	-0.3067	0.0178	0.0216	0.0043	-0.0055
	0.50	COBERT	-2.51E-02	1.57E-03	-4.42E-04		COMB3	-0.3804	-0.3847	0.0227	0.0265	0.0054	-0.0069
	0.00	CORREAS	-5.29E-02	1.59E-03	3.73E-04		COMB4	-0.0038	-0.0081	-0.0008	0.0029	0.0003	-0.0002
601	0.50	CORREAS	-5.29E-02	1.59E-03	-4.21E-04	601	COMB5	-0.2578	-0.2621	0.0151	0.0188	0.0037	-0.0047
	0.00	VIVA	-1.00E-01	6.26E-03	1.36E-03		COMB6	-0.0260	-0.0304	0.0006	0.0043	0.0006	-0.0006
	0.50	VIVA	-1.00E-01	6.26E-03	-1.77E-03		COMB7	-0.2947	-0.3345	0.0176	0.0233	0.0042	-0.0060
	0.00	VIENTO	-1.45E-01	9.05E-03	1.96E-03		COMB8	0.0819	0.0786	-0.0059	-0.0031	-0.0009	0.0013
	0.50	VIENTO	-1.45E-01	9.05E-03	-2.55E-03		COMB9	-0.1805	-0.1848	0.0122	0.0159	0.0031	-0.0032
	0.00	ESPECTRO	1.15E-02	1.26E-03	3.03E-04		COMB10	-0.0949	-0.0982	0.0071	0.0099	0.0019	-0.0017
	0.50	ESPECTRO	1.15E-02	1.26E-03	3.25E-04								
	0.00	DEAD	-1.95E-01	6.75E-03	1.53E-03								
	0.50	DEAD	-1.99E-01	9.73E-03	-2.58E-03		COMB1	-0.5559	-0.5610	0.0164	0.0205	0.0035	-0.0057
	0.00	COBERT	-8.50E-02	2.38E-03	4.34E-04		COMB2	-1.0203	-1.0247	0.0292	0.0328	0.0057	-0.0097
	0.50	COBERT	-8.50E-02	2.38E-03	-7.51E-04		COMB3	-1.2847	-1.2892	0.0366	0.0402	0.0071	-0.0121
	0.00	CORREAS	-1.17E-01	2.55E-03	5.06E-04		COMB4	-0.0081	-0.0125	0.0009	0.0045	0.0006	-0.0008
602	0.50	CORREAS	-1.17E-01	2.55E-03	-7.67E-04	602	COMB5	-0.8693	-0.8737	0.0250	0.0286	0.0050	-0.0084
	0.00	VIVA	-3.40E-01	9.51E-03	1.74E-03		COMB6	-0.0836	-0.0881	0.0030	0.0066	0.0010	-0.0014
	0.50	VIVA	-3.40E-01	9.51E-03	-3.00E-03		COMB7	-0.9957	-1.1192	0.0284	0.0355	0.0055	-0.0106
	0.00	VIENTO	-4.91E-01	1.37E-02	2.51E-03		COMB8	0.2810	0.2777	-0.0073	-0.0047	-0.0010	0.0020
	0.50	VIENTO	-4.91E-01	1.37E-02	-4.34E-03		COMB9	-0.6135	-0.6180	0.0201	0.0236	0.0041	-0.0060
	0.00	ESPECTRO	3.29E-02	1.29E-03	2.68E-04		COMB10	-0.3245	-0.3278	0.0118	0.0145	0.0025	-0.0033
	0.50	ESPECTRO	3.29E-02	1.29E-03	3.75E-04								
	0.00	DEAD	2.25E-01	4.55E-01	1.08E-02								

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO AS-4 (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames													
ELE.	Stat.	OutputCase	P	V2	M3	ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
Text	m	Text	Ton	Ton	Ton-m								
3074	0.04	DEAD	2.24E-01	4.56E-01	-6.41E-03	3074	COMB1	0.6161	0.6159	1.2073	1.2080	0.0284	-0.0173
	0.00	COBERT	1.19E-01	2.10E-01	4.78E-03		COMB2	1.2897	1.2895	2.3775	2.3781	0.0549	-0.0350
	0.04	COBERT	1.19E-01	2.10E-01	-3.16E-03		COMB3	1.6600	1.6598	3.0305	3.0311	0.0698	-0.0448
	0.00	CORREAS	9.64E-02	1.97E-01	4.68E-03		COMB4	-0.1279	-0.1281	-0.1216	-0.1211	-0.0020	0.0026
	0.04	CORREAS	9.64E-02	1.97E-01	-2.78E-03		COMB5	1.0782	1.0780	2.0047	2.0053	0.0465	-0.0294
	0.00	VIVA	4.76E-01	8.39E-01	1.91E-02		COMB6	-0.0220	-0.0222	0.0649	0.0655	0.0022	-0.0002
	0.04	VIVA	4.76E-01	8.39E-01	-1.26E-02		COMB7	1.2900	1.4218	2.3522	2.6115	0.0542	-0.0385
	0.00	VIENTO	6.88E-01	1.21E+00	2.76E-02		COMB8	-0.4979	-0.4980	-0.7999	-0.7995	-0.0177	0.0126
	0.04	VIENTO	6.88E-01	1.21E+00	-1.82E-02		COMB9	0.8563	0.8561	1.5842	1.5848	0.0371	-0.0193
	0.00	ESPECTRO	9.02E-02	1.30E-01	3.18E-03		COMB10	0.4863	0.4861	0.9059	0.9064	0.0214	-0.0093
	0.04	ESPECTRO	9.02E-02	1.30E-01	1.85E-03								
3075	0.00	DEAD	-6.60E-02	1.02E-02	3.53E-03	3075							
	0.53	DEAD	-6.77E-02	1.50E-02	-3.11E-03		COMB1	-0.1522	-0.1545	0.0295	0.0362	0.0093	-0.0080
	0.00	COBERT	-1.35E-02	5.63E-03	1.57E-03		COMB2	-0.2170	-0.2191	0.0613	0.0670	0.0180	-0.0158
	0.53	COBERT	-1.35E-02	5.63E-03	-1.39E-03		COMB3	-0.2592	-0.2612	0.0789	0.0845	0.0229	-0.0201
	0.00	CORREAS	-2.92E-02	5.24E-03	1.54E-03		COMB4	-0.0558	-0.0579	-0.0057	0.0000	-0.0007	0.0008
	0.53	CORREAS	-2.92E-02	5.24E-03	-1.22E-03		COMB5	-0.1930	-0.1950	0.0513	0.0570	0.0152	-0.0133
	0.00	VIVA	-5.41E-02	2.25E-02	6.29E-03		COMB6	-0.0679	-0.0699	-0.0007	0.0050	0.0007	-0.0004
	0.53	VIVA	-5.41E-02	2.25E-02	-5.57E-03		COMB7	-0.1995	-0.2341	0.0613	0.0733	0.0178	-0.0173
	0.00	VIENTO	-7.82E-02	3.25E-02	9.09E-03		COMB8	0.0038	0.0023	-0.0233	-0.0190	-0.0058	0.0053
	0.53	VIENTO	-7.82E-02	3.25E-02	-8.05E-03		COMB9	-0.1031	-0.1051	0.0402	0.0459	0.0122	-0.0088
	0.00	ESPECTRO	5.44E-02	3.64E-03	1.05E-03		COMB10	-0.0434	-0.0449	0.0226	0.0269	0.0070	-0.0043
	0.53	ESPECTRO	5.44E-02	3.64E-03	8.68E-04								
2082	0.00	DEAD	-9.10E-01	1.95E-02	5.65E-03	2082							
	0.50	DEAD	-9.12E-01	2.39E-02	-5.18E-03		COMB1	-2.3678	-2.3702	0.0542	0.0604	0.0151	-0.0135
	0.00	COBERT	-3.95E-01	9.82E-03	2.59E-03		COMB2	-4.5569	-4.5589	0.1093	0.1146	0.0295	-0.0264
	0.50	COBERT	-3.95E-01	9.82E-03	-2.31E-03		COMB3	-5.7859	-5.7880	0.1399	0.1452	0.0375	-0.0336
	0.00	CORREAS	-3.86E-01	9.38E-03	2.52E-03		COMB4	0.1473	0.1452	-0.0077	-0.0024	-0.0013	0.0012
	0.50	CORREAS	-3.86E-01	9.38E-03	-2.15E-03		COMB5	-3.8551	-3.8572	0.0919	0.0972	0.0249	-0.0223
	0.00	VIVA	-1.58E+00	3.93E-02	1.03E-02		COMB6	-0.2039	-0.2060	0.0010	0.0064	0.0010	-0.0009
	0.50	VIVA	-1.58E+00	3.93E-02	-9.25E-03		COMB7	-4.4887	-4.9982	0.1086	0.1256	0.0291	-0.0290
	0.00	VIENTO	-2.28E+00	5.68E-02	1.49E-02		COMB8	1.4445	1.4429	-0.0390	-0.0350	-0.0097	0.0087
	0.50	VIENTO	-2.28E+00	5.68E-02	-1.34E-02		COMB9	-2.5502	-2.5522	0.0726	0.0779	0.0198	-0.0147
	0.00	ESPECTRO	2.69E-01	6.46E-03	1.73E-03		COMB10	-1.2530	-1.2545	0.0413	0.0453	0.0114	-0.0072
	0.50	ESPECTRO	2.69E-01	6.46E-03	1.49E-03								
2083	0.00	DEAD	-1.66E+00	1.16E-02	2.94E-03	2083							
	0.50	DEAD	-1.67E+00	1.60E-02	-3.95E-03		COMB1	-4.3554	-4.3580	0.0330	0.0392	0.0078	-0.0102
	0.00	COBERT	-7.34E-01	6.17E-03	1.34E-03		COMB2	-8.4322	-8.4344	0.0678	0.0731	0.0153	-0.0198
	0.50	COBERT	-7.34E-01	6.17E-03	-1.73E-03		COMB3	-10.7173	-10.7195	0.0870	0.0923	0.0195	-0.0252
	0.00	CORREAS	-7.12E-01	5.79E-03	1.30E-03		COMB4	0.3140	0.3118	-0.0057	-0.0005	-0.0007	0.0008
	0.50	CORREAS	-7.12E-01	5.79E-03	-1.58E-03		COMB5	-7.1274	-7.1297	0.0569	0.0621	0.0129	-0.0167
	0.00	VIVA	-2.94E+00	2.47E-02	5.38E-03		COMB6	-0.3390	-0.3412	-0.0002	0.0050	0.0005	-0.0007
	0.50	VIVA	-2.94E+00	2.47E-02	-6.93E-03		COMB7	-8.3155	-9.2511	0.0676	0.0799	0.0151	-0.0217
	0.00	VIENTO	-4.24E+00	3.57E-02	7.77E-03		COMB8	2.7157	2.7140	-0.0251	-0.0212	-0.0051	0.0065
	0.50	VIENTO	-4.24E+00	3.57E-02	-1.00E-02		COMB9	-4.7151	-4.7173	0.0447	0.0499	0.0103	-0.0111
	0.00	ESPECTRO	4.87E-01	3.99E-03	8.77E-04		COMB10	-2.3134	-2.3150	0.0252	0.0292	0.0059	-0.0054
	0.50	ESPECTRO	4.87E-01	3.99E-03	1.11E-03								
2084	0.00	DEAD	-2.35E+00	1.54E-02	3.62E-03	2084							
	0.50	DEAD	-2.36E+00	1.97E-02	-5.14E-03		COMB1	-6.1653	-6.1681	0.0432	0.0492	0.0097	-0.0133
	0.00	COBERT	-1.04E+00	7.88E-03	1.67E-03		COMB2	-11.9723	-11.9747	0.0874	0.0926	0.0190	-0.0259
	0.50	COBERT	-1.04E+00	7.88E-03	-2.26E-03		COMB3	-15.2246	-15.2270	0.1119	0.1171	0.0242	-0.0329
	0.00	CORREAS	-1.00E+00	7.56E-03	1.64E-03		COMB4	0.4756	0.4732	-0.0064	-0.0012	-0.0009	0.0010
	0.50	CORREAS	-1.00E+00	7.56E-03	-2.13E-03		COMB5	-10.1153	-10.1178	0.0734	0.0786	0.0160	-0.0219
	0.00	VIVA	-4.18E+00	3.15E-02	6.67E-03		COMB6	-0.4537	-0.4561	0.0006	0.0058	0.0006	-0.0010
	0.50	VIVA	-4.18E+00	3.15E-02	-9.04E-03		COMB7	-11.8135	-13.1370	0.0869	0.1014	0.0188	-0.0284
	0.00	VIENTO	-6.04E+00	4.55E-02	9.64E-03		COMB8	3.8867	3.8849	-0.0314	-0.0275	-0.0063	0.0084
	0.50	VIENTO	-6.04E+00	4.55E-02	-1.31E-02		COMB9	-6.6898	-6.6922	0.0577	0.0629	0.0127	-0.0145
	0.00	ESPECTRO	6.85E-01	4.98E-03	1.05E-03		COMB10	-3.2788	-3.2806	0.0327	0.0366	0.0073	-0.0071
	0.50	ESPECTRO	6.85E-01	4.98E-03	1.43E-03								
2085	0.00	DEAD	-2.97E+00	9.00E-03	1.77E-03	2085							
	0.50	DEAD	-2.98E+00	1.32E-02	-3.77E-03		COMB1	-7.8007	-7.8037	0.0261	0.0320	0.0048	-0.0097
	0.00	COBERT	-1.32E+00	5.10E-03	8.76E-04		COMB2	-15.1597	-15.1623	0.0550	0.0601	0.0097	-0.0190
	0.50	COBERT	-1.32E+00	5.10E-03	-1.67E-03		COMB3	-19.2803	-19.2829	0.0709	0.0760	0.0125	-0.0242
	0.00	CORREAS	-1.27E+00	4.55E-03	7.91E-04		COMB4	0.6118	0.6092	-0.0057	-0.0007	-0.0007	0.0009
	0.50	CORREAS	-1.27E+00	4.55E-03	-1.48E-03		COMB5	-12.8070	-12.8095	0.0460	0.0510	0.0082	-0.0160
	0.00	VIVA	-5.30E+00	2.04E-02	3.51E-03		COMB6	-0.5657	-0.5683	-0.0012	0.0039	0.0001	-0.0006
	0.50	VIVA	-5.30E+00	2.04E-02	-6.67E-03		COMB7	-14.9608	-16.6349	0.0551	0.0658	0.0097	-0.0208
	0.00	VIENTO	-7.65E+00	2.95E-02	5.06E-03		COMB8	4.9313	4.9293	-0.0215	-0.0177	-0.0035	0.0063
	0.50	VIENTO	-7.65E+00	2.95E-02	-9.63E-03		COMB9	-8.4744	-8.4770	0.0356	0.0407	0.0064	-0.0106
	0.00	ESPECTRO	8.60E-01	3.01E-03	4.95E-04		COMB10	-4.1549	-4.1568	0.0198	0.0236	0.0036	-0.0052
	0.50	ESPECTRO	8.60E-01	3.01E-03	1.01E-03								
	0.00	DEAD	-3.52E+00	1.64E-02	3.49E-03								
	0.50	DEAD	-3.53E+00	2.15E-02	-5.95E-03		COMB1	-9.2472	-9.2512	0.0466	0.0537	0.0095	-0.0155
	0.00	COBERT	-1.57E+00	8.61E-03	1.64E-03		COMB2	-18.0003	-18.0037	0.0950	0.1011	0.0186	-0.0303
	0.50	COBERT	-1.57E+00	8.61E-03	-2.65E-03		COMB3	-22.8992	-22.9026	0.1218	0.1279	0.0237	-0.0385

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO AS-4 (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames													
ELE.	Stat.	OutputCase	P	V2	M3	ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
Text	m	Text	Ton	Ton	Ton-m								
2086	0.00	CORREAS	-1.51E+00	8.27E-03	1.63E-03	2086	COMB4	0.7505	0.7471	-0.0075	-0.0014	-0.0009	0.0013
	0.50	CORREAS	-1.51E+00	8.27E-03	-2.50E-03		COMB5	-15.2030	-15.2064	0.0797	0.0858	0.0157	-0.0256
	0.00	VIVA	-6.30E+00	3.44E-02	6.56E-03		COMB6	-0.6493	-0.6527	0.0001	0.0062	0.0005	-0.0011
	0.50	VIVA	-6.30E+00	3.44E-02	-1.06E-02		COMB7	-17.7695	-19.7545	0.0946	0.1107	0.0184	-0.0332
	0.00	VIENTO	-9.10E+00	4.97E-02	9.48E-03		COMB8	5.8802	5.8777	-0.0347	-0.0301	-0.0062	0.0099
	0.50	VIENTO	-9.10E+00	4.97E-02	-1.53E-02		COMB9	-10.0619	-10.0653	0.0623	0.0683	0.0123	-0.0170
	0.00	ESPECTRO	1.01E+00	5.13E-03	9.59E-04		COMB10	-4.9322	-4.9348	0.0351	0.0396	0.0070	-0.0084
	0.50	ESPECTRO	1.01E+00	5.13E-03	1.60E-03								
2087	0.00	DEAD	-3.98E+00	8.65E-03	7.22E-04	2087							
	0.50	DEAD	-3.98E+00	1.36E-02	-4.83E-03		COMB1	-10.4590	-10.4632	0.0254	0.0324	0.0020	-0.0124
	0.00	COBERT	-1.78E+00	4.98E-03	3.51E-04		COMB2	-20.3671	-20.3707	0.0537	0.0596	0.0039	-0.0243
	0.50	COBERT	-1.78E+00	4.98E-03	-2.13E-03		COMB3	-25.9119	-25.9155	0.0692	0.0751	0.0050	-0.0310
	0.00	CORREAS	-1.71E+00	4.51E-03	3.34E-04		COMB4	0.8557	0.8522	-0.0057	0.0003	-0.0002	0.0011
	0.50	CORREAS	-1.71E+00	4.51E-03	-1.91E-03		COMB5	-17.2011	-17.2047	0.0448	0.0508	0.0033	-0.0205
	0.00	VIVA	-7.13E+00	1.99E-02	1.40E-03		COMB6	-0.7287	-0.7323	-0.0013	0.0047	0.0001	-0.0008
	0.50	VIVA	-7.13E+00	1.99E-02	-8.54E-03		COMB7	-20.1075	-22.3523	0.0538	0.0652	0.0039	-0.0267
	0.00	VIENTO	-1.03E+01	2.88E-02	2.03E-03		COMB8	6.6602	6.6575	-0.0211	-0.0166	-0.0014	0.0080
	0.50	VIENTO	-1.03E+01	2.88E-02	-1.23E-02		COMB9	-11.3911	-11.3947	0.0346	0.0406	0.0026	-0.0137
	0.00	ESPECTRO	1.14E+00	2.87E-03	1.68E-04		COMB10	-5.5867	-5.5894	0.0192	0.0237	0.0014	-0.0067
	0.50	ESPECTRO	1.14E+00	2.87E-03	1.27E-03								
2088	0.00	DEAD	-4.37E+00	8.73E-03	6.92E-04	2088							
	0.50	DEAD	-4.38E+00	1.45E-02	-5.10E-03		COMB1	-11.4913	-11.4966	0.0267	0.0347	0.0021	-0.0133
	0.00	COBERT	-1.96E+00	5.17E-03	3.34E-04		COMB2	-22.3904	-22.3948	0.0560	0.0629	0.0039	-0.0257
	0.50	COBERT	-1.96E+00	5.17E-03	-2.25E-03		COMB3	-28.4888	-28.4933	0.0721	0.0790	0.0049	-0.0327
	0.00	CORREAS	-1.88E+00	5.15E-03	4.40E-04		COMB4	0.9514	0.9469	-0.0056	0.0013	-0.0001	0.0010
	0.50	CORREAS	-1.88E+00	5.15E-03	-2.13E-03		COMB5	-18.9082	-18.9127	0.0468	0.0537	0.0033	-0.0217
	0.00	VIVA	-7.84E+00	2.07E-02	1.33E-03		COMB6	-0.7912	-0.7957	-0.0010	0.0059	0.0002	-0.0010
	0.50	VIVA	-7.84E+00	2.07E-02	-8.98E-03		COMB7	-22.1074	-24.5743	0.0560	0.0686	0.0038	-0.0282
	0.00	VIENTO	-1.13E+01	2.99E-02	1.93E-03		COMB8	7.3328	7.3294	-0.0217	-0.0165	-0.0012	0.0083
	0.50	VIENTO	-1.13E+01	2.99E-02	-1.30E-02		COMB9	-12.5278	-12.5323	0.0361	0.0430	0.0026	-0.0146
	0.00	ESPECTRO	1.24E+00	2.87E-03	1.39E-04		COMB10	-6.1464	-6.1498	0.0200	0.0252	0.0015	-0.0072
	0.50	ESPECTRO	1.24E+00	2.87E-03	1.30E-03								
2089	0.00	DEAD	-4.70E+00	5.25E-03	-4.15E-04	2089							
	0.50	DEAD	-4.70E+00	1.09E-02	-4.44E-03		COMB1	-12.3642	-12.3697	0.0168	0.0247	-0.0010	-0.0114
	0.00	COBERT	-2.11E+00	3.61E-03	-1.66E-04		COMB2	-24.0932	-24.0980	0.0375	0.0443	-0.0019	-0.0223
	0.50	COBERT	-2.11E+00	3.61E-03	-1.97E-03		COMB3	-30.6559	-30.6607	0.0488	0.0555	-0.0025	-0.0285
	0.00	CORREAS	-2.02E+00	3.15E-03	-1.55E-04		COMB4	1.0256	1.0208	-0.0055	0.0013	0.0000	0.0011
	0.50	CORREAS	-2.02E+00	3.15E-03	-1.72E-03		COMB5	-20.3460	-20.3508	0.0311	0.0378	-0.0016	-0.0188
	0.00	VIVA	-8.43E+00	1.44E-02	-6.63E-04		COMB6	-0.8497	-0.8545	-0.0023	0.0045	-0.0001	-0.0007
	0.50	VIVA	-8.43E+00	1.44E-02	-7.86E-03		COMB7	-23.7892	-26.4434	0.0379	0.0483	-0.0019	-0.0245
	0.00	VIENTO	-1.22E+01	2.09E-02	-9.58E-04		COMB8	7.8923	7.8888	-0.0163	-0.0113	0.0006	0.0075
	0.50	VIENTO	-1.22E+01	2.09E-02	-1.14E-02		COMB9	-13.4904	-13.4951	0.0235	0.0303	-0.0010	-0.0125
	0.00	ESPECTRO	1.32E+00	1.92E-03	2.00E-04		COMB10	-6.6236	-6.6272	0.0127	0.0178	-0.0005	-0.0062
	0.50	ESPECTRO	1.32E+00	1.92E-03	1.14E-03								
2090	0.00	DEAD	-4.98E+00	1.26E-02	-4.63E-04	2090							
	0.50	DEAD	-4.98E+00	1.95E-02	-8.46E-03		COMB1	-13.0990	-13.1064	0.0380	0.0478	-0.0010	-0.0224
	0.00	COBERT	-2.24E+00	7.34E-03	-2.21E-04		COMB2	-25.5356	-25.5419	0.0796	0.0879	-0.0023	-0.0440
	0.50	COBERT	-2.24E+00	7.34E-03	-3.88E-03		COMB3	-32.4934	-32.4997	0.1024	0.1108	-0.0030	-0.0561
	0.00	CORREAS	-2.14E+00	7.25E-03	-2.74E-05		COMB4	1.0955	1.0891	-0.0079	0.0005	0.0004	0.0022
	0.50	CORREAS	-2.14E+00	7.25E-03	-3.64E-03		COMB5	-21.5628	-21.5691	0.0665	0.0749	-0.0019	-0.0371
	0.00	VIVA	-8.94E+00	2.94E-02	-8.85E-04		COMB6	-0.8927	-0.8991	-0.0014	0.0070	0.0002	-0.0012
	0.50	VIVA	-8.94E+00	2.94E-02	-1.55E-02		COMB7	-25.2152	-28.0285	0.0796	0.0961	-0.0023	-0.0483
	0.00	VIENTO	-1.29E+01	4.24E-02	-1.28E-03		COMB8	8.3736	8.3688	-0.0307	-0.0244	0.0010	0.0148
	0.50	VIENTO	-1.29E+01	4.24E-02	-2.24E-02		COMB9	-14.3061	-14.3125	0.0511	0.0595	-0.0010	-0.0248
	0.00	ESPECTRO	1.39E+00	3.82E-03	3.13E-04		COMB10	-7.0280	-7.0327	0.0282	0.0345	-0.0003	-0.0122
	0.50	ESPECTRO	1.39E+00	3.82E-03	2.16E-03								
2091	0.00	DEAD	-5.20E+00	-4.38E-03	-5.45E-03	2091							
	0.50	DEAD	-5.21E+00	2.42E-03	-4.97E-03		COMB1	-13.7115	-13.7192	-0.0086	0.0009	-0.0147	-0.0128
	0.00	COBERT	-2.34E+00	-7.97E-04	-2.60E-03		COMB2	-26.7296	-26.7362	-0.0124	-0.0043	-0.0292	-0.0251
	0.50	COBERT	-2.34E+00	-7.97E-04	-2.21E-03		COMB3	-34.0127	-34.0194	-0.0149	-0.0068	-0.0373	-0.0319
	0.00	CORREAS	-2.25E+00	-9.51E-04	-2.42E-03		COMB4	1.1468	1.1402	-0.0030	0.0052	0.0018	0.0012
	0.50	CORREAS	-2.25E+00	-9.51E-04	-1.94E-03		COMB5	-22.5710	-22.5776	-0.0110	-0.0029	-0.0246	-0.0211
	0.00	VIVA	-9.36E+00	-3.19E-03	-1.04E-02		COMB6	-0.9344	-0.9410	-0.0037	0.0045	-0.0005	-0.0007
	0.50	VIVA	-9.36E+00	-3.19E-03	-8.82E-03		COMB7	-26.3943	-29.3391	-0.0115	-0.0052	-0.0290	-0.0275
	0.00	VIENTO	-1.35E+01	-4.60E-03	-1.50E-02		COMB8	8.7652	8.7603	0.0005	0.0066	0.0101	0.0084
	0.50	VIENTO	-1.35E+01	-4.60E-03	-1.27E-02		COMB9	-14.9872	-14.9938	-0.0083	-0.0001	-0.0162	-0.0141
	0.00	ESPECTRO	1.45E+00	6.88E-04	1.57E-03		COMB10	-7.3687	-7.3737	-0.0048	0.0013	-0.0079	-0.0070
	0.50	ESPECTRO	1.45E+00	6.88E-04	1.25E-03								
2092	0.00	DEAD	-5.41E+00	8.91E-04	-3.17E-03	2092							
	0.50	DEAD	-5.42E+00	7.49E-03	-5.26E-03		COMB1	-14.2630	-14.2710	0.0057	0.0149	-0.0084	-0.0136
	0.00	COBERT	-2.44E+00	1.54E-03	-1.55E-03		COMB2	-27.8105	-27.8174	0.0147	0.0226	-0.0172	-0.0265
	0.50	COBERT	-2.44E+00	1.54E-03	-2.32E-03		COMB3	-35.3894	-35.3963	0.0195	0.0274	-0.0220	-0.0337
	0.00	CORREAS	-2.34E+00	1.63E-03	-1.31E-03		COMB4	1.1979	1.1910	-0.0036	0.0043	0.0013	0.0011
	0.50	CORREAS	-2.34E+00	1.63E-03	-2.12E-03		COMB5	-23.4830	-23.4900	0.0120	0.0199	-0.0144	-0.0224
	0.00	VIVA	-9.74E+00	6.15E-03	-6.21E-03		COMB6	-0.9678	-0.9747	-0.0022	0.0057	-0.0001	-0.0009

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO AS-4 (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames

ELE.	Stat.	OutputCase	P	V2	M3
Text	m	Text	Ton	Ton	Ton-m
	0.50	VIVA	-9.74E+00	6.15E-03	-9.28E-03
	0.00	VIENTO	-1.41E+01	8.88E-03	-8.97E-03
	0.50	VIENTO	-1.41E+01	8.88E-03	-1.34E-02
	0.00	ESPECTRO	1.49E+00	7.72E-04	1.05E-03
	0.50	ESPECTRO	1.49E+00	7.72E-04	1.28E-03
	0.00	DEAD	-5.59E+00	-1.03E-04	-3.71E-03
	0.50	DEAD	-5.60E+00	6.30E-03	-5.25E-03
	0.00	COBERT	-2.52E+00	1.10E-03	-1.80E-03
	0.50	COBERT	-2.52E+00	1.10E-03	-2.34E-03
	0.00	CORREAS	-2.42E+00	9.00E-04	-1.63E-03
2093	0.50	CORREAS	-2.42E+00	9.00E-04	-2.08E-03
	0.00	VIVA	-1.01E+01	4.40E-03	-7.19E-03
	0.50	VIVA	-1.01E+01	4.40E-03	-9.38E-03
	0.00	VIENTO	-1.45E+01	6.35E-03	-1.04E-02
	0.50	VIENTO	-1.45E+01	6.35E-03	-1.35E-02
	0.00	ESPECTRO	1.53E+00	6.78E-04	1.17E-03
	0.50	ESPECTRO	1.53E+00	6.78E-04	1.29E-03
	0.00	DEAD	-5.74E+00	2.48E-03	-4.34E-03
	0.50	DEAD	-5.74E+00	1.00E-02	-7.46E-03
	0.00	COBERT	-2.58E+00	2.41E-03	-2.16E-03
	0.50	COBERT	-2.58E+00	2.41E-03	-3.36E-03
	0.00	CORREAS	-2.48E+00	2.33E-03	-1.89E-03
2094	0.50	CORREAS	-2.48E+00	2.33E-03	-3.05E-03
	0.00	VIVA	-1.03E+01	9.64E-03	-8.65E-03
	0.50	VIVA	-1.03E+01	9.64E-03	-1.35E-02
	0.00	VIENTO	-1.49E+01	1.39E-02	-1.25E-02
	0.50	VIENTO	-1.49E+01	1.39E-02	-1.94E-02
	0.00	ESPECTRO	1.55E+00	1.26E-03	1.42E-03
	0.50	ESPECTRO	1.55E+00	1.26E-03	1.84E-03
	0.00	DEAD	-5.84E+00	-5.09E-03	-6.82E-03
	0.50	DEAD	-5.84E+00	2.16E-03	-6.09E-03
	0.00	COBERT	-2.63E+00	-1.29E-03	-3.35E-03
	0.50	COBERT	-2.63E+00	-1.29E-03	-2.70E-03
	0.00	CORREAS	-2.53E+00	-1.28E-03	-3.03E-03
2095	0.50	CORREAS	-2.53E+00	-1.28E-03	-2.39E-03
	0.00	VIVA	-1.05E+01	-5.16E-03	-1.34E-02
	0.50	VIVA	-1.05E+01	-5.16E-03	-1.08E-02
	0.00	VIENTO	-1.52E+01	-7.45E-03	-1.93E-02
	0.50	VIENTO	-1.52E+01	-7.45E-03	-1.56E-02
	0.00	ESPECTRO	1.56E+00	1.64E-03	2.08E-03
	0.50	ESPECTRO	1.56E+00	1.64E-03	1.42E-03
	0.00	DEAD	-5.87E+00	-4.51E-03	-6.81E-03
	0.50	DEAD	-5.87E+00	2.46E-03	-6.29E-03
	0.00	COBERT	-2.63E+00	-1.16E-03	-3.39E-03
	0.50	COBERT	-2.63E+00	-1.16E-03	-2.81E-03
	0.00	CORREAS	-2.54E+00	-7.68E-04	-2.97E-03
2096	0.50	CORREAS	-2.54E+00	-7.68E-04	-2.59E-03
	0.00	VIVA	-1.05E+01	-4.64E-03	-1.36E-02
	0.50	VIVA	-1.05E+01	-4.64E-03	-1.12E-02
	0.00	VIENTO	-1.52E+01	-6.70E-03	-1.96E-02
	0.50	VIENTO	-1.52E+01	-6.70E-03	-1.62E-02
	0.00	ESPECTRO	1.55E+00	1.39E-03	2.05E-03
	0.50	ESPECTRO	1.55E+00	1.39E-03	1.50E-03
	0.00	DEAD	-5.79E+00	-2.74E-02	-9.22E-03
	0.50	DEAD	-5.80E+00	-2.07E-02	2.79E-03
	0.00	COBERT	-2.59E+00	-1.35E-02	-4.66E-03
	0.50	COBERT	-2.59E+00	-1.35E-02	2.09E-03
	0.00	CORREAS	-2.51E+00	-1.22E-02	-4.20E-03
2097	0.50	CORREAS	-2.51E+00	-1.22E-02	1.91E-03
	0.00	VIVA	-1.03E+01	-5.41E-02	-1.86E-02
	0.50	VIVA	-1.03E+01	-5.41E-02	8.36E-03
	0.00	VIENTO	-1.49E+01	-7.82E-02	-2.69E-02
	0.50	VIENTO	-1.49E+01	-7.82E-02	1.21E-02
	0.00	ESPECTRO	1.51E+00	8.94E-03	2.82E-03
	0.50	ESPECTRO	1.51E+00	8.94E-03	1.65E-03
MONTANTE					
	0.00	DEAD	2.76E-02	-7.86E-03	-2.36E-03
	0.95	DEAD	2.20E-02	-6.96E-04	1.72E-03
	0.00	COBERT	2.09E-03	-1.79E-03	-7.66E-04
	0.95	COBERT	2.09E-03	-1.79E-03	9.47E-04
	0.00	CORREAS	-2.69E-03	-1.69E-03	-7.31E-04
2041	0.95	CORREAS	-2.69E-03	-1.69E-03	8.78E-04
	0.00	VIVA	8.37E-03	-7.18E-03	-3.06E-03
	0.95	VIVA	8.37E-03	-7.18E-03	3.79E-03
	0.00	VIENTO	1.21E-02	-1.04E-02	-4.43E-03

ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
	COMB7	-27.4627	-30.5260	0.0152	0.0243	-0.0171	-0.0291
	COMB8	9.1246	9.1194	-0.0079	-0.0020	0.0062	0.0087
	COMB9	-15.6047	-15.6116	0.0087	0.0166	-0.0093	-0.0150
	COMB10	-7.6780	-7.6832	0.0044	0.0104	-0.0044	-0.0075
	COMB1	-14.7383	-14.7467	0.0027	0.0116	-0.0100	-0.0135
	COMB2	-28.7336	-28.7408	0.0093	0.0170	-0.0201	-0.0266
	COMB3	-36.5633	-36.5705	0.0127	0.0204	-0.0256	-0.0339
	COMB4	1.2347	1.2275	-0.0038	0.0039	0.0013	0.0013
2093	COMB5	-24.2630	-24.2702	0.0074	0.0150	-0.0169	-0.0224
	COMB6	-1.0026	-1.0098	-0.0028	0.0049	-0.0003	-0.0008
	COMB7	-28.3736	-31.5390	0.0100	0.0182	-0.0199	-0.0292
	COMB8	9.4244	9.4190	-0.0066	-0.0008	0.0071	0.0089
	COMB9	-16.1377	-16.1449	0.0052	0.0128	-0.0110	-0.0150
	COMB10	-7.9480	-7.9534	0.0024	0.0081	-0.0052	-0.0074
	COMB1	-15.1241	-15.1346	0.0101	0.0206	-0.0118	-0.0194
	COMB2	-29.4885	-29.4976	0.0241	0.0331	-0.0239	-0.0382
	COMB3	-37.5245	-37.5335	0.0316	0.0406	-0.0306	-0.0486
	COMB4	1.2694	1.2603	-0.0046	0.0044	0.0018	0.0019
2094	COMB5	-24.9001	-24.9091	0.0198	0.0288	-0.0201	-0.0322
	COMB6	-1.0269	-1.0360	-0.0025	0.0066	-0.0001	-0.0011
	COMB7	-29.1196	-32.3695	0.0246	0.0358	-0.0238	-0.0419
	COMB8	9.6743	9.6675	-0.0116	-0.0048	0.0087	0.0128
	COMB9	-16.5752	-16.5843	0.0147	0.0238	-0.0130	-0.0215
	COMB10	-8.1703	-8.1770	0.0078	0.0145	-0.0061	-0.0106
	COMB1	-15.3892	-15.4001	-0.0107	-0.0006	-0.0185	-0.0157
	COMB2	-29.9932	-30.0026	-0.0175	-0.0087	-0.0373	-0.0307
	COMB3	-38.1641	-38.1735	-0.0215	-0.0128	-0.0477	-0.0392
	COMB4	1.2811	1.2717	-0.0021	0.0066	0.0026	0.0015
2095	COMB5	-25.3277	-25.3371	-0.0152	-0.0065	-0.0313	-0.0259
	COMB6	-1.0538	-1.0631	-0.0032	0.0055	-0.0004	-0.0009
	COMB7	-29.6157	-32.9227	-0.0166	-0.0102	-0.0370	-0.0337
	COMB8	9.8295	9.8225	0.0028	0.0093	0.0133	0.0103
	COMB9	-16.8778	-16.8871	-0.0101	-0.0014	-0.0205	-0.0174
	COMB10	-8.3293	-8.3363	-0.0053	0.0013	-0.0098	-0.0086
	COMB1	-15.4582	-15.4695	-0.0090	0.0008	-0.0184	-0.0164
	COMB2	-30.1042	-30.1139	-0.0152	-0.0068	-0.0375	-0.0320
	COMB3	-38.3004	-38.3100	-0.0188	-0.0104	-0.0480	-0.0408
	COMB4	1.2666	1.2569	-0.0013	0.0070	0.0029	0.0015
2096	COMB5	-25.4244	-25.4340	-0.0131	-0.0047	-0.0315	-0.0270
	COMB6	-1.0755	-1.0851	-0.0024	0.0060	-0.0001	-0.0010
	COMB7	-29.7209	-33.0430	-0.0145	-0.0081	-0.0373	-0.0351
	COMB8	9.8460	9.8388	0.0029	0.0092	0.0136	0.0106
	COMB9	-16.9626	-16.9723	-0.0087	-0.0003	-0.0205	-0.0182
	COMB10	-8.3831	-8.3904	-0.0044	0.0019	-0.0098	-0.0090
	COMB1	-15.2343	-15.2460	-0.0745	-0.0651	-0.0253	0.0095
	COMB2	-29.6055	-29.6154	-0.1504	-0.1424	-0.0515	0.0215
	COMB3	-37.6523	-37.6623	-0.1925	-0.1845	-0.0660	0.0280
	COMB4	1.1942	1.1842	0.0107	0.0188	0.0040	-0.0034
2097	COMB5	-25.0108	-25.0207	-0.1264	-0.1184	-0.0432	0.0178
	COMB6	-1.1052	-1.1152	-0.0013	0.0067	-0.0002	-0.0015
	COMB7	-29.2168	-32.4912	-0.1495	-0.1574	-0.0512	0.0238
	COMB8	9.6298	9.6223	0.0538	0.0598	0.0187	-0.0096
	COMB9	-16.7165	-16.7265	-0.0820	-0.0739	-0.0282	0.0140
	COMB10	-8.2810	-8.2884	-0.0389	-0.0329	-0.0134	0.0078
MONTANTE							
	COMB1	0.0378	0.0300	-0.0159	-0.0058	-0.0054	0.0050
	COMB2	0.0458	0.0391	-0.0251	-0.0165	-0.0095	0.0103
	COMB3	0.0523	0.0456	-0.0307	-0.0221	-0.0119	0.0133
	COMB4	0.0209	0.0142	-0.0037	0.0049	-0.0004	-0.0010
2041	COMB5	0.0421	0.0354	-0.0219	-0.0133	-0.0082	0.0086
	COMB6	0.0228	0.0161	-0.0053	0.0033	-0.0011	-0.0001
	COMB7	0.0400	0.0414	-0.0237	-0.0185	-0.0092	0.0114
	COMB8	0.0086	0.0036	0.0033	0.0097	0.0023	-0.0039

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO AS-4 (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames													
ELE.	Stat.	OutputCase	P	V2	M3	ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
Text	m	Text	Ton	Ton	Ton-m								
	0.95	VIENTO	1.21E-02	-1.04E-02	5.47E-03		COMB9	0.0470	0.0403	-0.0159	-0.0073	-0.0056	0.0069
	0.00	ESPECTRO	1.04E-02	1.34E-03	5.67E-04		COMB10	0.0347	0.0297	-0.0089	-0.0024	-0.0029	0.0039
	0.95	ESPECTRO	1.04E-02	1.34E-03	7.17E-04								
	0.00	DEAD	-3.19E-01	-8.45E-03	-2.73E-03								
	0.95	DEAD	-3.25E-01	-1.52E-03	2.00E-03		COMB1	-0.8481	-0.8562	-0.0183	-0.0086	-0.0067	0.0060
	0.00	COBERT	-1.57E-01	-2.45E-03	-1.11E-03		COMB2	-1.7326	-1.7395	-0.0313	-0.0230	-0.0129	0.0129
	0.95	COBERT	-1.57E-01	-2.45E-03	1.21E-03		COMB3	-2.2216	-2.2285	-0.0390	-0.0307	-0.0163	0.0167
	0.00	CORREAS	-1.30E-01	-2.16E-03	-9.69E-04		COMB4	0.1391	0.1322	-0.0022	0.0061	0.0003	-0.0015
2042	0.95	CORREAS	-1.30E-01	-2.16E-03	1.08E-03	2042	COMB5	-1.4533	-1.4603	-0.0270	-0.0187	-0.0109	0.0108
	0.00	VIVA	-6.28E-01	-9.80E-03	-4.44E-03		COMB6	-0.0006	-0.0076	-0.0043	0.0040	-0.0006	-0.0005
	0.95	VIVA	-6.28E-01	-9.80E-03	4.85E-03		COMB7	-1.7256	-1.9143	-0.0302	-0.0258	-0.0127	0.0143
	0.00	VIENTO	-9.08E-01	-1.42E-02	-6.41E-03		COMB8	0.6351	0.6299	0.0066	0.0129	0.0040	-0.0053
	0.95	VIENTO	-9.08E-01	-1.42E-02	7.01E-03		COMB9	-0.9198	-0.9267	-0.0188	-0.0105	-0.0072	0.0085
	0.00	ESPECTRO	1.21E-01	1.76E-03	7.77E-04		COMB10	-0.4238	-0.4290	-0.0100	-0.0038	-0.0036	0.0047
	0.95	ESPECTRO	1.21E-01	1.76E-03	8.88E-04								
	0.00	DEAD	-1.59E-01	-5.31E-03	-1.33E-03								
	0.94	DEAD	-1.65E-01	1.36E-03	5.29E-04		COMB1	-0.4266	-0.4350	-0.0097	-0.0004	-0.0029	0.0019
	0.00	COBERT	-7.66E-02	-8.60E-04	-3.67E-04		COMB2	-0.8558	-0.8630	-0.0139	-0.0058	-0.0048	0.0045
	0.94	COBERT	-7.66E-02	-8.60E-04	4.44E-04		COMB3	-1.0942	-1.1013	-0.0165	-0.0085	-0.0059	0.0059
	0.00	CORREAS	-6.92E-02	-7.86E-04	-3.38E-04		COMB4	0.0565	0.0493	-0.0036	0.0044	-0.0004	-0.0008
2043	0.94	CORREAS	-6.92E-02	-7.86E-04	4.03E-04	2043	COMB5	-0.7197	-0.7269	-0.0123	-0.0043	-0.0041	0.0037
	0.00	VIVA	-3.06E-01	-3.44E-03	-1.47E-03		COMB6	-0.0116	-0.0188	-0.0044	0.0036	-0.0007	-0.0004
	0.94	VIVA	-3.06E-01	-3.44E-03	1.78E-03		COMB7	-0.8496	-0.9482	-0.0127	-0.0068	-0.0046	0.0050
	0.00	VIENTO	-4.43E-01	-4.97E-03	-2.12E-03		COMB8	0.3011	0.2957	0.0002	0.0062	0.0009	-0.0021
	0.94	VIENTO	-4.43E-01	-4.97E-03	2.56E-03		COMB9	-0.4378	-0.4450	-0.0091	-0.0011	-0.0028	0.0030
	0.00	ESPECTRO	8.10E-02	9.65E-04	4.23E-04		COMB10	-0.1932	-0.1986	-0.0053	0.0007	-0.0014	0.0017
	0.94	ESPECTRO	8.10E-02	9.65E-04	4.86E-04								
	0.00	DEAD	-3.20E-02	-3.13E-03	-3.93E-04								
	0.94	DEAD	-3.82E-02	3.29E-03	-4.65E-04		COMB1	-0.0710	-0.0797	-0.0040	0.0050	-0.0004	-0.0008
	0.00	COBERT	-1.35E-02	1.57E-04	8.59E-05		COMB2	-0.1472	-0.1547	-0.0025	0.0053	0.0002	-0.0011
	0.94	COBERT	-1.35E-02	1.57E-04	-6.06E-05		COMB3	-0.1893	-0.1967	-0.0020	0.0057	0.0005	-0.0013
	0.00	CORREAS	-5.19E-03	9.77E-05	5.60E-05		COMB4	0.0135	0.0061	-0.0043	0.0034	-0.0008	-0.0003
2044	0.94	CORREAS	-5.19E-03	9.77E-05	-3.54E-05	2044	COMB5	-0.1233	-0.1307	-0.0027	0.0050	0.0001	-0.0010
	0.00	VIVA	-5.40E-02	6.26E-04	3.44E-04		COMB6	0.0015	-0.0059	-0.0042	0.0035	-0.0007	-0.0004
	0.94	VIVA	-5.40E-02	6.26E-04	-2.43E-04		COMB7	-0.1470	-0.1697	-0.0014	0.0054	0.0004	-0.0011
	0.00	VIENTO	-7.80E-02	9.05E-04	4.96E-04		COMB8	0.0557	0.0502	-0.0038	0.0020	-0.0009	0.0000
	0.94	VIENTO	-7.80E-02	9.05E-04	-3.50E-04		COMB9	-0.0364	-0.0438	-0.0026	0.0051	0.0001	-0.0005
	0.00	ESPECTRO	5.15E-02	5.75E-04	2.55E-04		COMB10	0.0058	0.0003	-0.0020	0.0038	0.0000	-0.0002
	0.94	ESPECTRO	5.15E-02	5.75E-04	2.84E-04								
	0.00	DEAD	4.18E-02	-2.23E-03	-2.75E-06								
	0.93	DEAD	3.54E-02	3.92E-03	-7.85E-04		COMB1	0.1148	0.1059	-0.0017	0.0069	0.0007	-0.0017
	0.00	COBERT	2.14E-02	5.62E-04	2.80E-04		COMB2	0.2354	0.2278	0.0021	0.0095	0.0024	-0.0030
	0.93	COBERT	2.14E-02	5.62E-04	-2.42E-04		COMB3	0.3020	0.2944	0.0039	0.0113	0.0033	-0.0038
	0.00	CORREAS	1.88E-02	4.50E-04	2.24E-04		COMB4	-0.0196	-0.0272	-0.0046	0.0028	-0.0009	-0.0001
2045	0.93	CORREAS	1.88E-02	4.50E-04	-1.94E-04	2045	COMB5	0.1974	0.1897	0.0011	0.0085	0.0019	-0.0026
	0.00	VIVA	8.56E-02	2.25E-03	1.12E-03		COMB6	-0.0005	-0.0082	-0.0041	0.0033	-0.0007	-0.0003
	0.93	VIVA	8.56E-02	2.25E-03	-9.66E-04		COMB7	0.2346	0.2516	0.0031	0.0101	0.0026	-0.0033
	0.00	VIENTO	1.24E-01	3.25E-03	1.62E-03		COMB8	-0.0870	-0.0927	-0.0053	0.0002	-0.0017	0.0007
	0.93	VIENTO	1.24E-01	3.25E-03	-1.40E-03		COMB9	0.1784	0.1708	0.0002	0.0075	0.0014	-0.0017
	0.00	ESPECTRO	3.72E-02	5.07E-04	2.31E-04		COMB10	0.1110	0.1053	-0.0006	0.0049	0.0007	-0.0009
	0.93	ESPECTRO	3.72E-02	5.07E-04	2.41E-04								
	0.00	DEAD	1.01E-01	-1.31E-03	2.52E-04								
	0.92	DEAD	9.47E-02	4.56E-03	-1.24E-03		COMB1	0.2847	0.2756	0.0006	0.0088	0.0014	-0.0030
	0.00	COBERT	4.83E-02	9.40E-04	3.88E-04		COMB2	0.5531	0.5453	0.0065	0.0136	0.0036	-0.0056
	0.92	COBERT	4.83E-02	9.40E-04	-4.78E-04		COMB3	0.7035	0.6957	0.0094	0.0165	0.0049	-0.0071
	0.00	CORREAS	5.38E-02	7.96E-04	3.27E-04		COMB4	-0.0222	-0.0300	-0.0047	0.0024	-0.0010	0.0001
2046	0.92	CORREAS	5.38E-02	7.96E-04	-4.07E-04	2046	COMB5	0.4673	0.4595	0.0049	0.0119	0.0030	-0.0048
	0.00	VIVA	1.93E-01	3.76E-03	1.55E-03		COMB6	0.0207	0.0129	-0.0038	0.0032	-0.0006	-0.0003
	0.92	VIVA	1.93E-01	3.76E-03	-1.91E-03		COMB7	0.5459	0.5991	0.0074	0.0146	0.0038	-0.0061
	0.00	VIENTO	2.79E-01	5.43E-03	2.24E-03		COMB8	-0.1798	-0.1857	-0.0067	-0.0014	-0.0020	0.0017
	0.92	VIENTO	2.79E-01	5.43E-03	-2.76E-03		COMB9	0.3716	0.3638	0.0029	0.0100	0.0022	-0.0033
	0.00	ESPECTRO	3.10E-02	5.28E-04	2.30E-04		COMB10	0.2140	0.2081	0.0009	0.0062	0.0011	-0.0017
	0.92	ESPECTRO	3.10E-02	5.28E-04	2.58E-04								
	0.00	DEAD	1.52E-01	-8.45E-04	3.99E-04								
	0.91	DEAD	1.45E-01	4.75E-03	-1.39E-03		COMB1	0.4063	0.3970	0.0016	0.0095	0.0017	-0.0034
	0.00	COBERT	7.14E-02	1.08E-03	4.37E-04		COMB2	0.8050	0.7970	0.0083	0.0150	0.0043	-0.0064
	0.91	COBERT	7.14E-02	1.08E-03	-5.50E-04		COMB3	1.0271	1.0191	0.0117	0.0184	0.0056	-0.0081
	0.00	CORREAS	6.70E-02	9.39E-04	3.81E-04		COMB4	-0.0451	-0.0531	-0.0045	0.0022	-0.0009	0.0001
2047	0.91	CORREAS	6.70E-02	9.39E-04	-4.77E-04	2047	COMB5	0.6782	0.6702	0.0064	0.0131	0.0035	-0.0054
	0.00	VIVA	2.85E-01	4.32E-03	1.75E-03		COMB6	0.0184	0.0104	-0.0036	0.0031	-0.0006	-0.0004
	0.91	VIVA	2.85E-01	4.32E-03	-2.20E-03		COMB7	0.7973	0.8763	0.0092	0.0162	0.0044	-0.0070
	0.00	VIENTO	4.12E-01	6.24E-03	2.53E-03		COMB8	-0.2749	-0.2809	-0.0071	-0.0020	-0.0022	0.0020
	0.91	VIENTO	4.12E-01	6.24E-03	-3.18E-03		COMB9	0.5241	0.5161	0.0041	0.0108	0.0026	-0.0037
	0.00	ESPECTRO	3.31E-02	5.42E-04	2.25E-04		COMB10	0.2943	0.2883	0.0016	0.0066	0.0013	-0.0019
	0.91	ESPECTRO	3.31E-02	5.42E-04	2.70E-04								

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO AS-4 (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames													
ELE.	Stat.	OutputCase	P	V2	M3	ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
Text	m	Text	Ton	Ton	Ton-m								
2048	0.00	DEAD	2.10E-01	1.36E-03	1.22E-03	2048							
	0.91	DEAD	2.03E-01	6.68E-03	-2.41E-03		COMB1	0.5744	0.5650	0.0074	0.0149	0.0039	-0.0062
	0.00	COBERT	9.81E-02	2.05E-03	8.13E-04		COMB2	1.1202	1.1121	0.0195	0.0258	0.0086	-0.0120
	0.91	COBERT	9.81E-02	2.05E-03	-1.04E-03		COMB3	1.4256	1.4174	0.0258	0.0322	0.0111	-0.0152
	0.00	CORREAS	1.02E-01	1.90E-03	7.57E-04		COMB4	-0.0484	-0.0565	-0.0049	0.0015	-0.0011	0.0004
	0.91	CORREAS	1.02E-01	1.90E-03	-9.63E-04		COMB5	0.9459	0.9378	0.0158	0.0222	0.0071	-0.0101
	0.00	VIVA	3.92E-01	8.19E-03	3.25E-03		COMB6	0.0389	0.0307	-0.0031	0.0033	-0.0004	-0.0005
	0.91	VIVA	3.92E-01	8.19E-03	-4.16E-03		COMB7	1.1063	1.2212	0.0202	0.0281	0.0086	-0.0131
	0.00	VIENTO	5.67E-01	1.18E-02	4.70E-03		COMB8	-0.3677	-0.3738	-0.0106	-0.0058	-0.0036	0.0038
	0.91	VIENTO	5.67E-01	1.18E-02	-6.01E-03		COMB9	0.7338	0.7257	0.0115	0.0178	0.0054	-0.0069
	0.00	ESPECTRO	4.53E-02	1.00E-03	3.97E-04		COMB10	0.4145	0.4084	0.0058	0.0106	0.0029	-0.0035
	0.91	ESPECTRO	4.53E-02	1.00E-03	5.11E-04								
2049	0.00	DEAD	2.70E-01	3.41E-03	2.18E-03	2049							
	0.90	DEAD	2.63E-01	8.43E-03	-3.13E-03		COMB1	0.7144	0.7047	0.0128	0.0198	0.0064	-0.0082
	0.00	COBERT	1.24E-01	2.94E-03	1.25E-03		COMB2	1.4047	1.3964	0.0297	0.0358	0.0135	-0.0159
	0.90	COBERT	1.24E-01	2.94E-03	-1.39E-03		COMB3	1.7901	1.7818	0.0389	0.0449	0.0174	-0.0202
	0.00	CORREAS	1.17E-01	2.78E-03	1.18E-03		COMB4	-0.0702	-0.0785	-0.0053	0.0008	-0.0014	0.0007
	0.90	CORREAS	1.17E-01	2.78E-03	-1.31E-03		COMB5	1.1847	1.1764	0.0245	0.0306	0.0113	-0.0134
	0.00	VIVA	4.95E-01	1.18E-02	4.99E-03		COMB6	0.0399	0.0316	-0.0026	0.0034	-0.0002	-0.0006
	0.90	VIVA	4.95E-01	1.18E-02	-5.55E-03		COMB7	1.3894	1.5342	0.0303	0.0391	0.0135	-0.0174
	0.00	VIENTO	7.15E-01	1.70E-02	7.21E-03		COMB8	-0.4709	-0.4771	-0.0139	-0.0093	-0.0052	0.0052
	0.90	VIENTO	7.15E-01	1.70E-02	-8.02E-03		COMB9	0.9218	0.9135	0.0183	0.0243	0.0087	-0.0091
	0.00	ESPECTRO	6.19E-02	1.48E-03	6.30E-04		COMB10	0.5211	0.5149	0.0097	0.0142	0.0048	-0.0045
	0.90	ESPECTRO	6.19E-02	1.48E-03	6.98E-04								
2050	0.00	DEAD	3.68E-01	4.55E-03	2.55E-03	2050							
	0.89	DEAD	3.61E-01	9.29E-03	-3.59E-03		COMB1	0.9840	0.9742	0.0155	0.0222	0.0074	-0.0094
	0.00	COBERT	1.67E-01	3.38E-03	1.40E-03		COMB2	1.9147	1.9063	0.0349	0.0406	0.0153	-0.0183
	0.89	COBERT	1.67E-01	3.38E-03	-1.60E-03		COMB3	2.4357	2.4273	0.0454	0.0511	0.0196	-0.0233
	0.00	CORREAS	1.68E-01	3.16E-03	1.31E-03		COMB4	-0.0792	-0.0876	-0.0053	0.0004	-0.0014	0.0008
	0.89	CORREAS	1.68E-01	3.16E-03	-1.49E-03		COMB5	1.6173	1.6089	0.0289	0.0346	0.0128	-0.0154
	0.00	VIVA	6.70E-01	1.35E-02	5.60E-03		COMB6	0.0696	0.0612	-0.0023	0.0034	-0.0001	-0.0006
	0.89	VIVA	6.70E-01	1.35E-02	-6.41E-03		COMB7	1.8900	2.0925	0.0354	0.0444	0.0153	-0.0201
	0.00	VIENTO	9.67E-01	1.95E-02	8.09E-03		COMB8	-0.6249	-0.6312	-0.0154	-0.0111	-0.0058	0.0060
	0.89	VIENTO	9.67E-01	1.95E-02	-9.25E-03		COMB9	1.2689	1.2605	0.0219	0.0276	0.0099	-0.0104
	0.00	ESPECTRO	9.07E-02	1.80E-03	7.45E-04		COMB10	0.7233	0.7170	0.0118	0.0160	0.0055	-0.0052
	0.89	ESPECTRO	9.07E-02	1.80E-03	8.57E-04								
2051	0.00	DEAD	4.73E-01	6.12E-03	3.20E-03	2051							
	0.88	DEAD	4.66E-01	1.06E-02	-4.13E-03		COMB1	1.2431	1.2332	0.0194	0.0257	0.0090	-0.0108
	0.00	COBERT	2.14E-01	4.01E-03	1.68E-03		COMB2	2.4348	2.4263	0.0423	0.0477	0.0185	-0.0211
	0.88	COBERT	2.14E-01	4.01E-03	-1.85E-03		COMB3	3.1007	3.0922	0.0548	0.0602	0.0237	-0.0268
	0.00	CORREAS	2.01E-01	3.76E-03	1.58E-03		COMB4	-0.1139	-0.1224	-0.0055	-0.0001	-0.0015	0.0009
	0.88	CORREAS	2.01E-01	3.76E-03	-1.73E-03		COMB5	2.0546	2.0461	0.0352	0.0405	0.0155	-0.0178
	0.00	VIVA	8.56E-01	1.60E-02	6.71E-03		COMB6	0.0764	0.0679	-0.0019	0.0034	0.0000	-0.0007
	0.88	VIVA	8.56E-01	1.60E-02	-7.39E-03		COMB7	2.4064	2.6643	0.0426	0.0521	0.0184	-0.0231
	0.00	VIENTO	1.24E+00	2.32E-02	9.70E-03		COMB8	-0.8082	-0.8145	-0.0176	-0.0136	-0.0068	0.0070
	0.88	VIENTO	1.24E+00	2.32E-02	-1.07E-02		COMB9	1.6164	1.6079	0.0269	0.0323	0.0120	-0.0119
	0.00	ESPECTRO	1.23E-01	2.24E-03	9.35E-04		COMB10	0.9221	0.9157	0.0147	0.0187	0.0067	-0.0059
	0.88	ESPECTRO	1.23E-01	2.24E-03	1.03E-03								
2052	0.00	DEAD	5.91E-01	8.48E-03	4.11E-03	2052							
	0.87	DEAD	5.84E-01	1.26E-02	-5.06E-03		COMB1	1.5671	1.5571	0.0254	0.0312	0.0114	-0.0132
	0.00	COBERT	2.67E-01	4.98E-03	2.07E-03		COMB2	3.0545	3.0459	0.0537	0.0586	0.0230	-0.0258
	0.87	COBERT	2.67E-01	4.98E-03	-2.27E-03		COMB3	3.8867	3.8781	0.0692	0.0741	0.0294	-0.0329
	0.00	CORREAS	2.61E-01	4.67E-03	1.94E-03		COMB4	-0.1306	-0.1392	-0.0057	-0.0007	-0.0016	0.0012
	0.87	CORREAS	2.61E-01	4.67E-03	-2.12E-03		COMB5	2.5793	2.5707	0.0448	0.0498	0.0193	-0.0218
	0.00	VIVA	1.07E+00	1.99E-02	8.27E-03		COMB6	0.1071	0.0985	-0.0013	0.0037	0.0002	-0.0009
	0.87	VIVA	1.07E+00	1.99E-02	-9.07E-03		COMB7	3.0161	3.3433	0.0538	0.0642	0.0228	-0.0284
	0.00	VIENTO	1.55E+00	2.88E-02	1.19E-02		COMB8	-1.0012	-1.0077	-0.0211	-0.0174	-0.0082	0.0085
	0.87	VIENTO	1.55E+00	2.88E-02	-1.31E-02		COMB9	2.0374	2.0288	0.0346	0.0396	0.0151	-0.0145
	0.00	ESPECTRO	1.59E-01	2.91E-03	1.21E-03		COMB10	1.1668	1.1604	0.0192	0.0230	0.0085	-0.0072
	0.87	ESPECTRO	1.59E-01	2.91E-03	1.32E-03								
2053	0.00	DEAD	7.30E-01	7.67E-03	3.71E-03	2053							
	0.86	DEAD	7.23E-01	1.15E-02	-4.54E-03		COMB1	1.9159	1.9058	0.0231	0.0285	0.0103	-0.0119
	0.00	COBERT	3.31E-01	4.58E-03	1.90E-03		COMB2	3.7580	3.7493	0.0491	0.0537	0.0210	-0.0232
	0.86	COBERT	3.31E-01	4.58E-03	-2.04E-03		COMB3	4.7869	4.7783	0.0634	0.0680	0.0269	-0.0296
	0.00	CORREAS	3.08E-01	4.23E-03	1.75E-03		COMB4	-0.1802	-0.1888	-0.0055	-0.0009	-0.0016	0.0011
	0.86	CORREAS	3.08E-01	4.23E-03	-1.89E-03		COMB5	3.1705	3.1618	0.0410	0.0456	0.0176	-0.0196
	0.00	VIVA	1.32E+00	1.83E-02	7.60E-03		COMB6	0.1138	0.1052	-0.0014	0.0032	0.0001	-0.0007
	0.86	VIVA	1.32E+00	1.83E-02	-8.17E-03		COMB7	3.7152	4.1171	0.0493	0.0588	0.0209	-0.0255
	0.00	VIENTO	1.91E+00	2.65E-02	1.10E-02		COMB8	-1.2519	-1.2584	-0.0196	-0.0161	-0.0076	0.0077
	0.86	VIENTO	1.91E+00	2.65E-02	-1.18E-02		COMB9	2.5050	2.4963	0.0317	0.0363	0.0138	-0.0130
	0.00	ESPECTRO	2.02E-01	2.70E-03	1.11E-03		COMB10	1.4332	1.4267	0.0175	0.0210	0.0077	-0.0064
	0.86	ESPECTRO	2.02E-01	2.70E-03	1.21E-03								
	0.00	DEAD	8.68E-01	8.87E-03	4.37E-03								
	0.85	DEAD	8.61E-01	1.24E-02	-4.68E-03		COMB1	2.2833	2.2731	0.0261	0.0311	0.0121	-0.0122
	0.00	COBERT	3.88E-01	5.12E-03	2.24E-03		COMB2	4.4385	4.4298	0.0551	0.0594	0.0247	-0.0240

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO AS-4 (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames													
ELE.	Stat.	OutputCase	P	V2	M3	ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
Text	m	Text	Ton	Ton	Ton-m								
2054	0.85	COBERT	3.88E-01	5.12E-03	-2.11E-03	2054	COMB3	5.6452	5.6365	0.0711	0.0753	0.0316	-0.0306
	0.00	CORREAS	3.75E-01	4.65E-03	2.01E-03		COMB4	-0.1801	-0.1888	-0.0059	-0.0016	-0.0020	0.0012
	0.85	CORREAS	3.75E-01	4.65E-03	-1.94E-03		COMB5	3.7495	3.7408	0.0460	0.0503	0.0207	-0.0203
	0.00	VIVA	1.55E+00	2.05E-02	8.95E-03		COMB6	0.1647	0.1560	-0.0013	0.0030	0.0000	-0.0007
	0.85	VIVA	1.55E+00	2.05E-02	-8.46E-03		COMB7	4.3805	4.8611	0.0552	0.0651	0.0246	-0.0264
	0.00	VIENTO	2.24E+00	2.96E-02	1.29E-02		COMB8	-1.4448	-1.4514	-0.0217	-0.0185	-0.0090	0.0080
	0.85	VIENTO	2.24E+00	2.96E-02	-1.22E-02		COMB9	2.9773	2.9686	0.0356	0.0399	0.0161	-0.0134
	0.00	ESPECTRO	2.45E-01	3.00E-03	1.28E-03		COMB10	1.7126	1.7061	0.0198	0.0230	0.0090	-0.0066
	0.85	ESPECTRO	2.45E-01	3.00E-03	1.26E-03								
2055	0.00	DEAD	9.77E-01	7.34E-03	3.34E-03	2055							
	0.84	DEAD	9.70E-01	1.06E-02	-4.20E-03		COMB1	2.5539	2.5437	0.0216	0.0261	0.0091	-0.0109
	0.00	COBERT	4.37E-01	4.21E-03	1.67E-03		COMB2	4.9868	4.9780	0.0455	0.0494	0.0185	-0.0213
	0.84	COBERT	4.37E-01	4.21E-03	-1.87E-03		COMB3	6.3473	6.3386	0.0586	0.0625	0.0237	-0.0271
	0.00	CORREAS	4.10E-01	3.85E-03	1.52E-03		COMB4	-0.2206	-0.2294	-0.0047	-0.0008	-0.0014	0.0010
	0.84	CORREAS	4.10E-01	3.85E-03	-1.71E-03		COMB5	4.2100	4.2012	0.0380	0.0419	0.0156	-0.0180
	0.00	VIVA	1.75E+00	1.69E-02	6.68E-03		COMB6	0.1682	0.1594	-0.0010	0.0029	0.0001	-0.0007
	0.84	VIVA	1.75E+00	1.69E-02	-7.47E-03		COMB7	4.9258	5.4643	0.0455	0.0540	0.0184	-0.0234
	0.00	VIENTO	2.53E+00	2.43E-02	9.65E-03		COMB8	-1.6422	-1.6487	-0.0178	-0.0149	-0.0067	0.0070
	0.84	VIENTO	2.53E+00	2.43E-02	-1.08E-02		COMB9	3.3438	3.3351	0.0296	0.0335	0.0122	-0.0119
	0.00	ESPECTRO	2.80E-01	2.64E-03	1.05E-03		COMB10	1.9223	1.9157	0.0165	0.0194	0.0069	-0.0058
	0.84	ESPECTRO	2.80E-01	2.64E-03	1.17E-03								
2056	0.00	DEAD	1.10E+00	9.20E-03	4.16E-03	2056							
	0.83	DEAD	1.09E+00	1.22E-02	-4.70E-03		COMB1	2.8862	2.8760	0.0263	0.0304	0.0113	-0.0122
	0.00	COBERT	4.91E-01	4.97E-03	2.02E-03		COMB2	5.6160	5.6072	0.0544	0.0579	0.0226	-0.0240
	0.83	COBERT	4.91E-01	4.97E-03	-2.11E-03		COMB3	7.1440	7.1352	0.0698	0.0734	0.0289	-0.0305
	0.00	CORREAS	4.72E-01	4.59E-03	1.87E-03		COMB4	-0.2324	-0.2412	-0.0049	-0.0013	-0.0015	0.0011
	0.83	CORREAS	4.72E-01	4.59E-03	-1.93E-03		COMB5	4.7435	4.7348	0.0455	0.0491	0.0190	-0.0202
	0.00	VIVA	1.96E+00	1.99E-02	8.07E-03		COMB6	0.2042	0.1955	-0.0005	0.0031	0.0003	-0.0007
	0.83	VIVA	1.96E+00	1.99E-02	-8.43E-03		COMB7	5.5436	6.1533	0.0543	0.0634	0.0224	-0.0263
	0.00	VIENTO	2.84E+00	2.87E-02	1.17E-02		COMB8	-1.8328	-1.8393	-0.0205	-0.0178	-0.0079	0.0080
	0.83	VIENTO	2.84E+00	2.87E-02	-1.22E-02		COMB9	3.7745	3.7658	0.0356	0.0392	0.0150	-0.0134
	0.00	ESPECTRO	3.19E-01	3.16E-03	1.29E-03		COMB10	2.1742	2.1676	0.0201	0.0227	0.0085	-0.0065
	0.83	ESPECTRO	3.19E-01	3.16E-03	1.34E-03								
2057	0.00	DEAD	1.23E+00	7.88E-03	3.65E-03	2057							
	0.82	DEAD	1.22E+00	1.06E-02	-3.89E-03		COMB1	3.2092	3.1990	0.0226	0.0263	0.0099	-0.0101
	0.00	COBERT	5.50E-01	4.30E-03	1.77E-03		COMB2	6.2727	6.2640	0.0469	0.0501	0.0198	-0.0199
	0.82	COBERT	5.50E-01	4.30E-03	-1.75E-03		COMB3	7.9855	7.9767	0.0602	0.0634	0.0253	-0.0253
	0.00	CORREAS	5.15E-01	3.93E-03	1.64E-03		COMB4	-0.2827	-0.2914	-0.0044	-0.0012	-0.0013	0.0010
	0.82	CORREAS	5.15E-01	3.93E-03	-1.58E-03		COMB5	5.2948	5.2860	0.0392	0.0424	0.0167	-0.0168
	0.00	VIVA	2.20E+00	1.72E-02	7.08E-03		COMB6	0.2067	0.1980	-0.0005	0.0027	0.0003	-0.0006
	0.82	VIVA	2.20E+00	1.72E-02	-7.00E-03		COMB7	6.1971	6.8761	0.0468	0.0548	0.0196	-0.0218
	0.00	VIENTO	3.18E+00	2.48E-02	1.02E-02		COMB8	-2.0710	-2.0776	-0.0178	-0.0154	-0.0069	0.0066
	0.82	VIENTO	3.18E+00	2.48E-02	-1.01E-02		COMB9	4.2111	4.2024	0.0306	0.0338	0.0131	-0.0111
	0.00	ESPECTRO	3.60E-01	2.71E-03	1.13E-03		COMB10	2.4228	2.4162	0.0172	0.0196	0.0075	-0.0054
	0.82	ESPECTRO	3.60E-01	2.71E-03	1.09E-03								
2366	0.00	DEAD	1.09E+00	1.62E-02	7.78E-03	2366							
	0.80	DEAD	1.08E+00	1.94E-02	-6.48E-03		COMB1	2.8810	2.8687	0.0456	0.0501	0.0211	-0.0172
	0.00	COBERT	4.96E-01	8.64E-03	3.84E-03		COMB2	5.6441	5.6336	0.0944	0.0982	0.0426	-0.0345
	0.80	COBERT	4.96E-01	8.64E-03	-3.09E-03		COMB3	7.1879	7.1774	0.1212	0.1251	0.0546	-0.0442
	0.00	CORREAS	4.69E-01	7.73E-03	3.46E-03		COMB4	-0.2650	-0.2755	-0.0086	-0.0047	-0.0031	0.0023
	0.80	CORREAS	4.69E-01	7.73E-03	-2.74E-03		COMB5	4.7626	4.7521	0.0790	0.0828	0.0358	-0.0291
	0.00	VIVA	1.98E+00	3.46E-02	1.53E-02		COMB6	0.1762	0.1657	-0.0009	0.0030	0.0003	-0.0005
	0.80	VIVA	1.98E+00	3.46E-02	-1.24E-02		COMB7	5.5785	6.1853	0.0942	0.1078	0.0424	-0.0380
	0.00	VIENTO	2.87E+00	4.99E-02	2.22E-02		COMB8	-1.8744	-1.8823	-0.0356	-0.0327	-0.0153	0.0121
	0.80	VIENTO	2.87E+00	4.99E-02	-1.79E-02		COMB9	3.7789	3.7683	0.0619	0.0658	0.0283	-0.0190
	0.00	ESPECTRO	3.17E-01	5.59E-03	2.51E-03		COMB10	2.1694	2.1615	0.0349	0.0378	0.0161	-0.0091
	0.80	ESPECTRO	3.17E-01	5.59E-03	1.98E-03								
382	0.00	DEAD	-1.08E-02	-2.27E-03	1.49E-04	382							
	0.95	DEAD	-1.64E-02	4.90E-03	-1.11E-03		COMB1	-0.0449	-0.0528	-0.0008	0.0093	0.0014	-0.0027
	0.00	COBERT	-1.66E-02	9.12E-04	4.52E-04		COMB2	-0.1445	-0.1512	0.0052	0.0138	0.0041	-0.0050
	0.95	COBERT	-1.66E-02	9.12E-04	-4.18E-04		COMB3	-0.1960	-0.2027	0.0080	0.0166	0.0055	-0.0063
	0.00	CORREAS	-4.71E-03	8.09E-04	3.78E-04		COMB4	0.0528	0.0461	-0.0057	0.0029	-0.0013	0.0000
	0.95	CORREAS	-4.71E-03	8.09E-04	-3.94E-04		COMB5	-0.1151	-0.1218	0.0036	0.0122	0.0033	-0.0042
	0.00	VIVA	-6.62E-02	3.65E-03	1.81E-03		COMB6	0.0380	0.0313	-0.0049	0.0037	-0.0009	-0.0004
	0.95	VIVA	-6.62E-02	3.65E-03	-1.67E-03		COMB7	-0.1533	-0.1696	0.0064	0.0148	0.0043	-0.0054
	0.00	VIENTO	-9.57E-02	5.27E-03	2.61E-03		COMB8	0.0955	0.0905	-0.0073	-0.0009	-0.0025	0.0014
	0.95	VIENTO	-9.57E-02	5.27E-03	-2.42E-03		COMB9	-0.0626	-0.0693	0.0015	0.0101	0.0022	-0.0030
	0.00	ESPECTRO	9.00E-03	2.96E-04	1.30E-04		COMB10	-0.0199	-0.0249	-0.0002	0.0063	0.0010	-0.0016
	0.95	ESPECTRO	9.00E-03	2.96E-04	1.57E-04								
383	0.00	DEAD	2.49E-01	-7.42E-04	7.69E-04	383							
	0.95	DEAD	2.43E-01	6.18E-03	-1.81E-03		COMB1	0.6336	0.6255	0.0022	0.0119	0.0025	-0.0041
	0.00	COBERT	9.90E-02	1.13E-03	5.06E-04		COMB2	1.1767	1.1697	0.0091	0.0174	0.0054	-0.0071
	0.95	COBERT	9.90E-02	1.13E-03	-5.61E-04		COMB3	1.4848	1.4779	0.0126	0.0209	0.0070	-0.0089
	0.00	CORREAS	1.05E-01	1.16E-03	5.29E-04		COMB4	-0.0026	-0.0096	-0.0044	0.0040	-0.0006	-0.0004
	0.95	CORREAS	1.05E-01	1.16E-03	-5.71E-04		COMB5	1.0008	0.9938	0.0071	0.0154	0.0045	-0.0061

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO AS-4 (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames

ELE.	Stat.	OutputCase	P	V2	M3	ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
Text	m	Text	Ton	Ton	Ton-m								
	0.00	VIVA	3.96E-01	4.50E-03	2.03E-03		COMB6	0.0854	0.0785	-0.0034	0.0050	-0.0002	-0.0009
	0.95	VIVA	3.96E-01	4.50E-03	-2.24E-03		COMB7	1.1510	1.2799	0.0098	0.0186	0.0054	-0.0077
	0.00	VIENTO	5.72E-01	6.50E-03	2.93E-03		COMB8	-0.3364	-0.3416	-0.0071	-0.0008	-0.0022	0.0016
	0.95	VIENTO	5.72E-01	6.50E-03	-3.24E-03		COMB9	0.8113	0.8043	0.0048	0.0131	0.0035	-0.0043
	0.00	ESPECTRO	7.02E-02	7.04E-04	3.33E-04		COMB10	0.4775	0.4723	0.0021	0.0083	0.0020	-0.0023
	0.95	ESPECTRO	7.02E-02	7.04E-04	3.34E-04								
	0.00	DEAD	2.03E-01	-8.29E-04	7.50E-04								
	0.94	DEAD	1.97E-01	5.85E-03	-1.61E-03		COMB1	0.5372	0.5288	0.0020	0.0114	0.0026	-0.0037
	0.00	COBERT	8.84E-02	1.17E-03	5.60E-04		COMB2	1.0264	1.0192	0.0093	0.0173	0.0058	-0.0067
	0.94	COBERT	8.84E-02	1.17E-03	-5.44E-04		COMB3	1.3016	1.2944	0.0129	0.0209	0.0075	-0.0084
	0.00	CORREAS	9.26E-02	1.12E-03	5.37E-04		COMB4	-0.0270	-0.0342	-0.0047	0.0033	-0.0009	-0.0002
384	0.94	CORREAS	9.26E-02	1.12E-03	-5.18E-04	384	COMB5	0.8693	0.8621	0.0072	0.0152	0.0048	-0.0057
	0.00	VIVA	3.54E-01	4.69E-03	2.24E-03		COMB6	0.0517	0.0445	-0.0037	0.0043	-0.0004	-0.0007
	0.94	VIVA	3.54E-01	4.69E-03	-2.18E-03		COMB7	1.0096	1.1176	0.0101	0.0186	0.0059	-0.0073
	0.00	VIENTO	5.11E-01	6.77E-03	3.24E-03		COMB8	-0.3189	-0.3243	-0.0075	-0.0015	-0.0025	0.0017
	0.94	VIENTO	5.11E-01	6.77E-03	-3.14E-03		COMB9	0.7098	0.7026	0.0050	0.0130	0.0038	-0.0039
	0.00	ESPECTRO	7.25E-02	8.86E-04	4.38E-04		COMB10	0.4178	0.4124	0.0022	0.0082	0.0021	-0.0020
	0.94	ESPECTRO	7.25E-02	8.86E-04	3.97E-04								
	0.00	DEAD	1.44E-01	-1.32E-03	4.37E-04								
	0.94	DEAD	1.38E-01	5.10E-03	-1.33E-03		COMB1	0.3829	0.3742	0.0008	0.0097	0.0018	-0.0031
	0.00	COBERT	6.89E-02	1.01E-03	4.72E-04		COMB2	0.7691	0.7617	0.0071	0.0148	0.0046	-0.0057
	0.94	COBERT	6.89E-02	1.01E-03	-4.75E-04		COMB3	0.9835	0.9761	0.0103	0.0180	0.0061	-0.0072
	0.00	CORREAS	6.03E-02	8.52E-04	3.93E-04		COMB4	-0.0516	-0.0590	-0.0049	0.0028	-0.0010	0.0000
	0.94	CORREAS	6.03E-02	8.52E-04	-4.04E-04		COMB5	0.6467	0.6393	0.0053	0.0130	0.0037	-0.0048
385	0.00	VIVA	2.76E-01	4.05E-03	1.89E-03	385	COMB6	0.0097	0.0023	-0.0040	0.0037	-0.0006	-0.0005
	0.94	VIVA	2.76E-01	4.05E-03	-1.90E-03		COMB7	0.7637	0.8383	0.0081	0.0160	0.0047	-0.0062
	0.00	VIENTO	3.98E-01	5.85E-03	2.73E-03		COMB8	-0.2714	-0.2770	-0.0071	-0.0013	-0.0024	0.0016
	0.94	VIENTO	3.98E-01	5.85E-03	-2.75E-03		COMB9	0.5312	0.5238	0.0036	0.0113	0.0029	-0.0032
	0.00	ESPECTRO	6.52E-02	8.76E-04	4.26E-04		COMB10	0.3113	0.3058	0.0014	0.0071	0.0016	-0.0016
	0.94	ESPECTRO	6.52E-02	8.76E-04	3.93E-04								
	0.00	DEAD	9.09E-02	-1.80E-03	1.58E-04								
	0.93	DEAD	8.46E-02	4.35E-03	-1.03E-03		COMB1	0.2589	0.2500	-0.0006	0.0081	0.0011	-0.0024
	0.00	COBERT	4.69E-02	8.00E-04	3.64E-04		COMB2	0.5220	0.5144	0.0046	0.0120	0.0033	-0.0045
	0.93	COBERT	4.69E-02	8.00E-04	-3.78E-04		COMB3	0.6680	0.6604	0.0071	0.0145	0.0044	-0.0056
	0.00	CORREAS	4.71E-02	6.01E-04	2.69E-04		COMB4	-0.0367	-0.0443	-0.0049	0.0025	-0.0011	0.0000
386	0.93	CORREAS	4.71E-02	6.01E-04	-2.89E-04	386	COMB5	0.4387	0.4311	0.0032	0.0106	0.0026	-0.0038
	0.00	VIVA	1.88E-01	3.20E-03	1.46E-03		COMB6	0.0051	-0.0026	-0.0042	0.0032	-0.0007	-0.0003
	0.93	VIVA	1.88E-01	3.20E-03	-1.51E-03		COMB7	0.5187	0.5666	0.0057	0.0129	0.0034	-0.0049
	0.00	VIENTO	2.71E-01	4.62E-03	2.10E-03		COMB8	-0.1859	-0.1916	-0.0064	-0.0008	-0.0020	0.0013
	0.93	VIENTO	2.71E-01	4.62E-03	-2.19E-03		COMB9	0.3694	0.3618	0.0019	0.0093	0.0021	-0.0024
	0.00	ESPECTRO	5.38E-02	7.82E-04	3.76E-04		COMB10	0.2202	0.2144	0.0004	0.0060	0.0011	-0.0012
	0.93	ESPECTRO	5.38E-02	7.82E-04	3.50E-04								
	0.00	DEAD	4.68E-02	-2.26E-03	-1.13E-04								
	0.92	DEAD	4.03E-02	3.62E-03	-7.41E-04		COMB1	0.1328	0.1237	-0.0019	0.0063	0.0004	-0.0017
	0.00	COBERT	2.74E-02	5.44E-04	2.34E-04		COMB2	0.2894	0.2816	0.0019	0.0089	0.0018	-0.0031
	0.92	COBERT	2.74E-02	5.44E-04	-2.67E-04		COMB3	0.3748	0.3670	0.0035	0.0106	0.0026	-0.0040
	0.00	CORREAS	2.07E-02	3.61E-04	1.52E-04		COMB4	-0.0374	-0.0452	-0.0046	0.0024	-0.0010	0.0000
387	0.92	CORREAS	2.07E-02	3.61E-04	-1.80E-04	387	COMB5	0.2407	0.2329	0.0009	0.0079	0.0014	-0.0027
	0.00	VIVA	1.10E-01	2.18E-03	9.36E-04		COMB6	-0.0130	-0.0208	-0.0041	0.0029	-0.0008	-0.0002
	0.92	VIVA	1.10E-01	2.18E-03	-1.07E-03		COMB7	0.2915	0.3121	0.0029	0.0095	0.0020	-0.0034
	0.00	VIENTO	1.59E-01	3.14E-03	1.35E-03		COMB8	-0.1207	-0.1265	-0.0053	0.0000	-0.0015	0.0009
	0.92	VIENTO	1.59E-01	3.14E-03	-1.54E-03		COMB9	0.2124	0.2046	0.0001	0.0072	0.0011	-0.0017
	0.00	ESPECTRO	4.37E-02	6.50E-04	3.10E-04		COMB10	0.1291	0.1232	-0.0006	0.0047	0.0006	-0.0008
	0.92	ESPECTRO	4.37E-02	6.50E-04	2.89E-04								
	0.00	DEAD	1.29E-02	-2.54E-03	-2.82E-04								
	0.91	DEAD	6.26E-03	3.06E-03	-5.21E-04		COMB1	0.0583	0.0490	-0.0028	0.0051	-0.0001	-0.0011
	0.00	COBERT	1.25E-02	3.54E-04	1.45E-04		COMB2	0.1299	0.1219	-0.0001	0.0066	0.0009	-0.0021
	0.91	COBERT	1.25E-02	3.54E-04	-1.79E-04		COMB3	0.1687	0.1607	0.0010	0.0077	0.0013	-0.0027
	0.00	CORREAS	1.63E-02	1.91E-04	7.49E-05		COMB4	-0.0188	-0.0268	-0.0043	0.0024	-0.0009	0.0000
388	0.91	CORREAS	1.63E-02	1.91E-04	-9.95E-05	388	COMB5	0.1077	0.0997	-0.0008	0.0060	0.0006	-0.0018
	0.00	VIVA	4.99E-02	1.42E-03	5.79E-04		COMB6	-0.0077	-0.0157	-0.0040	0.0027	-0.0007	-0.0001
	0.91	VIVA	4.99E-02	1.42E-03	-7.17E-04		COMB7	0.1313	0.1358	0.0009	0.0070	0.0010	-0.0023
	0.00	VIENTO	7.21E-02	2.05E-03	8.36E-04		COMB8	-0.0563	-0.0622	-0.0045	0.0006	-0.0011	0.0006
	0.91	VIENTO	7.21E-02	2.05E-03	-1.04E-03		COMB9	0.1135	0.1055	-0.0012	0.0056	0.0005	-0.0011
	0.00	ESPECTRO	3.85E-02	5.14E-04	2.43E-04		COMB10	0.0760	0.0700	-0.0013	0.0038	0.0002	-0.0005
	0.91	ESPECTRO	3.85E-02	5.14E-04	2.26E-04								
	0.00	DEAD	-1.25E-02	-2.88E-03	-4.78E-04								
	0.91	DEAD	-1.93E-02	2.44E-03	-2.77E-04		COMB1	-0.0199	-0.0294	-0.0038	0.0037	-0.0006	-0.0005
	0.00	COBERT	1.25E-03	1.73E-04	6.17E-05		COMB2	-0.0091	-0.0172	-0.0021	0.0043	-0.0001	-0.0011
	0.91	COBERT	1.25E-03	1.73E-04	-9.51E-05		COMB3	-0.0052	-0.0133	-0.0016	0.0048	0.0001	-0.0014
	0.00	CORREAS	-2.98E-03	1.81E-05	-1.80E-06		COMB4	-0.0240	-0.0321	-0.0042	0.0022	-0.0008	0.0001
389	0.91	CORREAS	-2.98E-03	1.81E-05	-1.82E-05	389	COMB5	-0.0113	-0.0194	-0.0024	0.0040	-0.0002	-0.0009
	0.00	VIVA	5.00E-03	6.93E-04	2.47E-04		COMB6	-0.0229	-0.0310	-0.0040	0.0024	-0.0008	0.0000
	0.91	VIVA	5.00E-03	6.93E-04	-3.80E-04		COMB7	-0.0034	-0.0158	-0.0011	0.0045	0.0001	-0.0012
	0.00	VIENTO	7.23E-03	1.00E-03	3.57E-04		COMB8	-0.0222	-0.0283	-0.0037	0.0011	-0.0008	0.0004

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO AS-4 (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames													
ELE.	Stat.	OutputCase	P	V2	M3	ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
Text	m	Text	Ton	Ton	Ton-m								
	0.91	VIENTO	7.23E-03	1.00E-03	-5.50E-04		COMB9	0.0229	0.0148	-0.0023	0.0041	-0.0001	-0.0004
	0.00	ESPECTRO	3.75E-02	5.63E-04	2.60E-04		COMB10	0.0247	0.0186	-0.0019	0.0029	-0.0001	-0.0001
	0.91	ESPECTRO	3.75E-02	5.63E-04	2.50E-04								
	0.00	DEAD	-2.66E-02	-3.17E-03	-6.42E-04								
	0.90	DEAD	-3.35E-02	1.86E-03	-5.75E-05		COMB1	-0.0474	-0.0570	-0.0045	0.0025	-0.0010	-0.0001
	0.00	COBERT	-6.60E-03	2.99E-05	1.17E-06		COMB2	-0.0829	-0.0911	-0.0037	0.0024	-0.0008	-0.0002
	0.90	COBERT	-6.60E-03	2.99E-05	-2.56E-05		COMB3	-0.1034	-0.1117	-0.0036	0.0025	-0.0008	-0.0003
	0.00	CORREAS	-6.33E-04	-8.73E-05	-4.50E-05		COMB4	-0.0042	-0.0125	-0.0040	0.0020	-0.0008	0.0001
390	0.90	CORREAS	-6.33E-04	-8.73E-05	3.33E-05	390	COMB5	-0.0711	-0.0794	-0.0037	0.0023	-0.0008	-0.0002
	0.00	VIVA	-2.64E-02	1.19E-04	4.68E-06		COMB6	-0.0101	-0.0183	-0.0040	0.0020	-0.0008	0.0001
	0.90	VIVA	-2.64E-02	1.19E-04	-1.03E-04		COMB7	-0.0801	-0.0985	-0.0027	0.0024	-0.0006	-0.0003
	0.00	VIENTO	-3.82E-02	1.73E-04	6.76E-06		COMB8	0.0192	0.0130	-0.0031	0.0014	-0.0006	0.0001
	0.90	VIENTO	-3.82E-02	1.73E-04	-1.48E-04		COMB9	-0.0168	-0.0251	-0.0031	0.0029	-0.0005	0.0002
	0.00	ESPECTRO	3.70E-02	6.80E-04	3.09E-04		COMB10	0.0065	0.0003	-0.0022	0.0023	-0.0003	0.0003
	0.90	ESPECTRO	3.70E-02	6.80E-04	3.00E-04								
	0.00	DEAD	-3.47E-02	-3.25E-03	-7.11E-04								
	0.89	DEAD	-4.17E-02	1.48E-03	7.38E-05		COMB1	-0.0861	-0.0959	-0.0050	0.0016	-0.0012	0.0003
	0.00	COBERT	-1.17E-02	-1.05E-04	-5.54E-05		COMB2	-0.1489	-0.1573	-0.0050	0.0007	-0.0014	0.0005
	0.89	COBERT	-1.17E-02	-1.05E-04	3.76E-05		COMB3	-0.1854	-0.1938	-0.0053	0.0004	-0.0016	0.0006
	0.00	CORREAS	-1.51E-02	-2.15E-04	-9.66E-05		COMB4	-0.0092	-0.0176	-0.0037	0.0020	-0.0007	0.0000
391	0.89	CORREAS	-1.51E-02	-2.15E-04	9.42E-05	391	COMB5	-0.1280	-0.1364	-0.0048	0.0009	-0.0013	0.0004
	0.00	VIVA	-4.69E-02	-4.19E-04	-2.22E-04		COMB6	-0.0196	-0.0280	-0.0038	0.0019	-0.0008	0.0001
	0.89	VIVA	-4.69E-02	-4.19E-04	1.50E-04		COMB7	-0.1435	-0.1703	-0.0040	0.0006	-0.0012	0.0005
	0.00	VIENTO	-6.78E-02	-6.05E-04	-3.20E-04		COMB8	0.0327	0.0264	-0.0024	0.0018	-0.0004	-0.0001
	0.89	VIENTO	-6.78E-02	-6.05E-04	2.17E-04		COMB9	-0.0628	-0.0712	-0.0039	0.0018	-0.0009	0.0006
	0.00	ESPECTRO	3.45E-02	6.42E-04	2.85E-04		COMB10	-0.0209	-0.0272	-0.0026	0.0017	-0.0005	0.0005
	0.89	ESPECTRO	3.45E-02	6.42E-04	2.85E-04								
	0.00	DEAD	-3.51E-02	-3.15E-03	-6.85E-04								
	0.88	DEAD	-4.22E-02	1.30E-03	1.28E-04		COMB1	-0.0777	-0.0877	-0.0050	0.0013	-0.0012	0.0004
	0.00	COBERT	-1.34E-02	-1.43E-04	-6.29E-05		COMB2	-0.1526	-0.1611	-0.0052	0.0002	-0.0014	0.0008
	0.88	COBERT	-1.34E-02	-1.43E-04	6.24E-05		COMB3	-0.1944	-0.2029	-0.0056	-0.0003	-0.0016	0.0010
	0.00	CORREAS	-6.96E-03	-2.53E-04	-1.06E-04		COMB4	0.0074	-0.0011	-0.0035	0.0019	-0.0007	0.0000
392	0.88	CORREAS	-6.96E-03	-2.53E-04	1.17E-04	392	COMB5	-0.1287	-0.1372	-0.0049	0.0004	-0.0013	0.0007
	0.00	VIVA	-5.37E-02	-5.70E-04	-2.52E-04		COMB6	-0.0045	-0.0131	-0.0036	0.0017	-0.0007	0.0001
	0.88	VIVA	-5.37E-02	-5.70E-04	2.49E-04		COMB7	-0.1509	-0.1761	-0.0043	0.0000	-0.0012	0.0008
	0.00	VIENTO	-7.76E-02	-8.24E-04	-3.64E-04		COMB8	0.0509	0.0445	-0.0021	0.0019	-0.0003	-0.0002
	0.88	VIENTO	-7.76E-02	-8.24E-04	3.60E-04		COMB9	-0.0658	-0.0743	-0.0040	0.0014	-0.0009	0.0007
	0.00	ESPECTRO	2.77E-02	5.64E-04	2.41E-04		COMB10	-0.0222	-0.0286	-0.0026	0.0014	-0.0005	0.0005
	0.88	ESPECTRO	2.77E-02	5.64E-04	2.55E-04								
	0.00	DEAD	-2.47E-02	-3.01E-03	-6.61E-04								
	0.87	DEAD	-3.19E-02	1.14E-03	1.51E-04		COMB1	-0.0684	-0.0784	-0.0048	0.0010	-0.0012	0.0005
	0.00	COBERT	-9.43E-03	-1.66E-04	-7.13E-05		COMB2	-0.1190	-0.1276	-0.0052	-0.0002	-0.0015	0.0009
	0.87	COBERT	-9.43E-03	-1.66E-04	7.34E-05		COMB3	-0.1483	-0.1569	-0.0057	-0.0008	-0.0017	0.0011
	0.00	CORREAS	-1.47E-02	-2.83E-04	-1.15E-04		COMB4	-0.0066	-0.0152	-0.0032	0.0017	-0.0006	0.0000
393	0.87	CORREAS	-1.47E-02	-2.83E-04	1.31E-04	393	COMB5	-0.1022	-0.1108	-0.0049	0.0001	-0.0013	0.0008
	0.00	VIVA	-3.77E-02	-6.66E-04	-2.85E-04		COMB6	-0.0150	-0.0236	-0.0034	0.0016	-0.0007	0.0001
	0.87	VIVA	-3.77E-02	-6.66E-04	2.94E-04		COMB7	-0.1148	-0.1380	-0.0044	-0.0004	-0.0013	0.0010
	0.00	VIENTO	-5.45E-02	-9.62E-04	-4.12E-04		COMB8	0.0269	0.0204	-0.0019	0.0019	-0.0002	-0.0002
	0.87	VIENTO	-5.45E-02	-9.62E-04	4.24E-04		COMB9	-0.0615	-0.0701	-0.0040	0.0009	-0.0010	0.0008
	0.00	ESPECTRO	1.60E-02	4.43E-04	1.84E-04		COMB10	-0.0280	-0.0344	-0.0027	0.0011	-0.0006	0.0005
	0.87	ESPECTRO	1.60E-02	4.43E-04	2.01E-04								
	0.00	DEAD	-1.27E-02	-1.88E-03	-6.18E-05								
	0.86	DEAD	-2.00E-02	1.97E-03	-1.00E-04		COMB1	-0.0263	-0.0364	-0.0021	0.0033	0.0004	-0.0002
	0.00	COBERT	-4.55E-03	3.00E-04	2.07E-04		COMB2	-0.0516	-0.0603	0.0001	0.0048	0.0016	-0.0005
	0.86	COBERT	-4.55E-03	3.00E-04	-5.09E-05		COMB3	-0.0658	-0.0744	0.0011	0.0057	0.0023	-0.0006
	0.00	CORREAS	-1.49E-03	9.45E-05	1.12E-04		COMB4	0.0025	-0.0061	-0.0034	0.0012	-0.0008	0.0001
394	0.86	CORREAS	-1.49E-03	9.45E-05	3.10E-05	394	COMB5	-0.0435	-0.0522	-0.0004	0.0042	0.0013	-0.0004
	0.00	VIVA	-1.82E-02	1.20E-03	8.29E-04		COMB6	-0.0015	-0.0102	-0.0032	0.0015	-0.0006	0.0001
	0.86	VIVA	-1.82E-02	1.20E-03	-2.04E-04		COMB7	-0.0510	-0.0653	0.0009	0.0051	0.0018	-0.0005
	0.00	VIENTO	-2.63E-02	1.73E-03	1.20E-03		COMB8	0.0173	0.0108	-0.0036	-0.0001	-0.0013	0.0003
	0.86	VIENTO	-2.63E-02	1.73E-03	-2.94E-04		COMB9	-0.0253	-0.0339	-0.0011	0.0036	0.0008	-0.0002
	0.00	ESPECTRO	6.36E-03	1.29E-04	6.36E-05		COMB10	-0.0105	-0.0170	-0.0012	0.0023	0.0003	0.0000
	0.86	ESPECTRO	6.36E-03	1.29E-04	8.42E-05								
	0.00	DEAD	-1.63E-01	-5.16E-03	-1.74E-03								
	0.85	DEAD	-1.70E-01	-1.61E-03	1.14E-03		COMB1	-0.4436	-0.4538	-0.0111	-0.0061	-0.0042	0.0031
	0.00	COBERT	-7.54E-02	-1.36E-03	-6.18E-04		COMB2	-0.8627	-0.8715	-0.0182	-0.0140	-0.0075	0.0061
	0.85	COBERT	-7.54E-02	-1.36E-03	5.37E-04		COMB3	-1.0974	-1.1061	-0.0225	-0.0182	-0.0095	0.0078
	0.00	CORREAS	-7.83E-02	-1.41E-03	-6.31E-04		COMB4	0.0353	0.0266	-0.0020	0.0022	-0.0002	-0.0003
395	0.85	CORREAS	-7.83E-02	-1.41E-03	5.68E-04	395	COMB5	-0.7288	-0.7375	-0.0158	-0.0115	-0.0064	0.0052
	0.00	VIVA	-3.02E-01	-5.44E-03	-2.47E-03		COMB6	-0.0317	-0.0404	-0.0032	0.0010	-0.0007	0.0002
	0.85	VIVA	-3.02E-01	-5.44E-03	2.15E-03		COMB7	-0.8515	-0.9553	-0.0174	-0.0155	-0.0073	0.0067
	0.00	VIENTO	-4.36E-01	-7.86E-03	-3.57E-03		COMB8	0.2812	0.2746	0.0031	0.0063	0.0020	-0.0020
	0.85	VIENTO	-4.36E-01	-7.86E-03	3.10E-03		COMB9	-0.5036	-0.5124	-0.0117	-0.0074	-0.0046	0.0040
	0.00	ESPECTRO	2.74E-02	5.44E-04	2.39E-04		COMB10	-0.2578	-0.2643	-0.0066	-0.0034	-0.0025	0.0023
	0.85	ESPECTRO	2.74E-02	5.44E-04	2.33E-04								

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO AS-4 (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames													
ELE.	Stat.	OutputCase	P	V2	M3	ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
Text	m	Text	Ton	Ton	Ton-m								
396	0.00	DEAD	-1.30E-01	-3.76E-03	-9.03E-04	396							
	0.84	DEAD	-1.37E-01	-5.07E-04	8.91E-04		COMB1	-0.3463	-0.3565	-0.0077	-0.0032	-0.0021	0.0025
	0.00	COBERT	-6.18E-02	-8.12E-04	-2.55E-04		COMB2	-0.6923	-0.7010	-0.0118	-0.0079	-0.0034	0.0049
	0.84	COBERT	-6.18E-02	-8.12E-04	4.27E-04		COMB3	-0.8846	-0.8934	-0.0144	-0.0105	-0.0042	0.0062
	0.00	CORREAS	-5.58E-02	-9.51E-04	-3.12E-04		COMB4	0.0438	0.0351	-0.0022	0.0018	-0.0004	-0.0002
	0.84	CORREAS	-5.58E-02	-9.51E-04	4.86E-04		COMB5	-0.5825	-0.5912	-0.0104	-0.0065	-0.0029	0.0041
	0.00	VIVA	-2.47E-01	-3.25E-03	-1.02E-03		COMB6	-0.0111	-0.0199	-0.0029	0.0010	-0.0006	0.0002
	0.84	VIVA	-2.47E-01	-3.25E-03	1.71E-03		COMB7	-0.6868	-0.7698	-0.0111	-0.0088	-0.0032	0.0054
	0.00	VIENTO	-3.57E-01	-4.69E-03	-1.47E-03		COMB8	0.2416	0.2351	0.0011	0.0041	0.0006	-0.0016
	0.84	VIENTO	-3.57E-01	-4.69E-03	2.47E-03		COMB9	-0.4115	-0.4203	-0.0080	-0.0041	-0.0022	0.0032
	0.00	ESPECTRO	8.87E-03	2.60E-04	4.37E-05		COMB10	-0.2137	-0.2203	-0.0047	-0.0018	-0.0013	0.0018
	0.84	ESPECTRO	8.87E-03	2.60E-04	1.76E-04								
397	0.00	DEAD	-1.05E-01	-3.60E-03	-9.91E-04	397							
	0.83	DEAD	-1.12E-01	-6.35E-04	7.64E-04		COMB1	-0.3016	-0.3118	-0.0075	-0.0033	-0.0023	0.0022
	0.00	COBERT	-5.34E-02	-8.36E-04	-3.22E-04		COMB2	-0.6004	-0.6092	-0.0118	-0.0082	-0.0041	0.0042
	0.83	COBERT	-5.34E-02	-8.36E-04	3.71E-04		COMB3	-0.7667	-0.7755	-0.0144	-0.0108	-0.0051	0.0054
	0.00	CORREAS	-5.72E-02	-9.18E-04	-3.43E-04		COMB4	0.0360	0.0272	-0.0018	0.0017	-0.0002	-0.0002
	0.83	CORREAS	-5.72E-02	-9.18E-04	4.17E-04		COMB5	-0.5055	-0.5143	-0.0103	-0.0067	-0.0035	0.0036
	0.00	VIVA	-2.14E-01	-3.34E-03	-1.29E-03		COMB6	-0.0115	-0.0203	-0.0026	0.0010	-0.0005	0.0001
	0.83	VIVA	-2.14E-01	-3.34E-03	1.48E-03		COMB7	-0.5952	-0.6686	-0.0111	-0.0091	-0.0039	0.0046
	0.00	VIENTO	-3.09E-01	-4.83E-03	-1.86E-03		COMB8	0.2075	0.2009	0.0015	0.0041	0.0009	-0.0014
	0.83	VIENTO	-3.09E-01	-4.83E-03	2.14E-03		COMB9	-0.3470	-0.3558	-0.0079	-0.0043	-0.0026	0.0027
	0.00	ESPECTRO	1.84E-02	2.35E-04	7.86E-05		COMB10	-0.1755	-0.1821	-0.0046	-0.0019	-0.0014	0.0015
	0.83	ESPECTRO	1.84E-02	2.35E-04	1.17E-04								
398	0.00	DEAD	-6.02E-02	-2.87E-03	-8.74E-04	398							
	0.82	DEAD	-6.76E-02	-1.97E-04	3.80E-04		COMB1	-0.1655	-0.1757	-0.0057	-0.0019	-0.0020	0.0011
	0.00	COBERT	-3.01E-02	-4.87E-04	-2.19E-04		COMB2	-0.3342	-0.3430	-0.0080	-0.0048	-0.0031	0.0021
	0.82	COBERT	-3.01E-02	-4.87E-04	1.79E-04		COMB3	-0.4277	-0.4365	-0.0095	-0.0063	-0.0038	0.0027
	0.00	CORREAS	-2.79E-02	-7.03E-04	-3.17E-04		COMB4	0.0239	0.0151	-0.0022	0.0010	-0.0005	0.0000
	0.82	CORREAS	-2.79E-02	-7.03E-04	2.58E-04		COMB5	-0.2808	-0.2896	-0.0071	-0.0039	-0.0027	0.0018
	0.00	VIVA	-1.20E-01	-1.95E-03	-8.76E-04		COMB6	-0.0029	-0.0116	-0.0026	0.0006	-0.0007	0.0002
	0.82	VIVA	-1.20E-01	-1.95E-03	7.18E-04		COMB7	-0.3322	-0.3764	-0.0073	-0.0053	-0.0029	0.0023
	0.00	VIENTO	-1.74E-01	-2.81E-03	-1.27E-03		COMB8	0.1194	0.1129	0.0000	0.0024	0.0004	-0.0006
	0.82	VIENTO	-1.74E-01	-2.81E-03	1.04E-03		COMB9	-0.1577	-0.1665	-0.0056	-0.0024	-0.0020	0.0014
	0.00	ESPECTRO	4.42E-02	2.88E-04	1.37E-04		COMB10	-0.0622	-0.0688	-0.0034	-0.0010	-0.0011	0.0008
	0.82	ESPECTRO	4.42E-02	2.88E-04	1.03E-04								
399	0.00	DEAD	-3.36E-02	-8.13E-03	-2.15E-03	399							
	0.81	DEAD	-4.09E-02	-5.75E-03	3.45E-03		COMB1	-0.0856	-0.0958	-0.0191	-0.0158	-0.0052	0.0088
	0.00	COBERT	-2.22E-02	-2.86E-03	-8.37E-04		COMB2	-0.2155	-0.2243	-0.0347	-0.0319	-0.0099	0.0170
	0.81	COBERT	-2.22E-02	-2.86E-03	1.48E-03		COMB3	-0.2847	-0.2934	-0.0436	-0.0408	-0.0125	0.0216
	0.00	CORREAS	-5.29E-03	-2.65E-03	-7.57E-04		COMB4	0.0491	0.0403	-0.0006	0.0023	0.0001	-0.0006
	0.81	CORREAS	-5.29E-03	-2.65E-03	1.39E-03		COMB5	-0.1760	-0.1848	-0.0296	-0.0268	-0.0084	0.0144
	0.00	VIVA	-8.89E-02	-1.15E-02	-3.35E-03		COMB6	0.0293	0.0206	-0.0031	-0.0003	-0.0006	0.0007
	0.81	VIVA	-8.89E-02	-1.15E-02	5.90E-03		COMB7	-0.2219	-0.2490	-0.0338	-0.0350	-0.0097	0.0187
	0.00	VIENTO	-1.28E-01	-1.66E-02	-4.84E-03		COMB8	0.1119	0.1053	0.0092	0.0114	0.0029	-0.0054
	0.81	VIENTO	-1.28E-01	-1.66E-02	8.53E-03		COMB9	-0.0641	-0.0729	-0.0218	-0.0189	-0.0059	0.0110
	0.00	ESPECTRO	5.36E-02	3.48E-04	3.01E-04		COMB10	-0.0014	-0.0080	-0.0119	-0.0098	-0.0031	0.0062
	0.81	ESPECTRO	5.36E-02	3.48E-04	4.72E-04								
DIAGONAL						DIAGONAL							
2970	0.00	DEAD	1.52E-02	-3.37E-03	-8.27E-04	2970							
	0.40	DEAD	1.52E-02	-1.42E-03	1.30E-04		COMB1	0.0218	0.0218	-0.0053	-0.0025	-0.0016	0.0000
	0.00	COBERT	1.08E-02	-2.37E-04	-1.65E-04		COMB2	0.0879	0.0879	-0.0060	-0.0037	-0.0024	-0.0005
	0.40	COBERT	1.08E-02	-2.37E-04	-7.04E-05		COMB3	0.1215	0.1215	-0.0068	-0.0044	-0.0029	-0.0007
	0.00	CORREAS	-1.05E-02	-1.59E-04	-1.38E-04		COMB4	-0.0409	-0.0409	-0.0032	-0.0009	-0.0004	0.0004
	0.40	CORREAS	-1.05E-02	-1.59E-04	-7.46E-05		COMB5	0.0687	0.0687	-0.0056	-0.0033	-0.0021	-0.0003
	0.00	VIVA	4.33E-02	-9.46E-04	-6.60E-04		COMB6	-0.0313	-0.0313	-0.0034	-0.0011	-0.0006	0.0003
	0.40	VIVA	4.33E-02	-9.46E-04	-2.82E-04		COMB7	0.0952	0.0999	-0.0052	-0.0040	-0.0023	-0.0005
	0.00	VIENTO	6.25E-02	-1.37E-03	-9.54E-04		COMB8	-0.0672	-0.0672	-0.0016	0.0001	0.0002	0.0005
	0.40	VIENTO	6.25E-02	-1.37E-03	-4.07E-04		COMB9	0.0455	0.0455	-0.0049	-0.0026	-0.0016	-0.0001
	0.00	ESPECTRO	5.22E-03	6.69E-05	5.51E-05		COMB10	0.0192	0.0192	-0.0033	-0.0016	-0.0010	0.0000
	0.40	ESPECTRO	5.22E-03	6.69E-05	2.91E-05								
2971	0.00	DEAD	1.52E-02	-1.42E-03	1.30E-04	2971							
	0.80	DEAD	1.52E-02	2.45E-03	-2.79E-04		COMB1	0.0218	0.0218	-0.0025	0.0029	0.0000	-0.0002
	0.00	COBERT	1.08E-02	-2.37E-04	-7.04E-05		COMB2	0.0879	0.0879	-0.0037	0.0009	-0.0005	0.0006
	0.80	COBERT	1.08E-02	-2.37E-04	1.18E-04		COMB3	0.1215	0.1215	-0.0044	0.0002	-0.0007	0.0010
	0.00	CORREAS	-1.05E-02	-1.59E-04	-7.46E-05		COMB4	-0.0409	-0.0409	-0.0009	0.0038	0.0004	-0.0008
	0.80	CORREAS	-1.05E-02	-1.59E-04	5.20E-05		COMB5	0.0687	0.0687	-0.0033	0.0014	-0.0003	0.0004
	0.00	VIVA	4.33E-02	-9.46E-04	-2.82E-04		COMB6	-0.0313	-0.0313	-0.0011	0.0036	0.0003	-0.0007
	0.80	VIVA	4.33E-02	-9.46E-04	4.72E-04		COMB7	0.0952	0.0999	-0.0034	0.0007	-0.0005	0.0008
	0.00	VIENTO	6.25E-02	-1.37E-03	-4.07E-04		COMB8	-0.0672	-0.0672	0.0001	0.0036	0.0005	-0.0010
	0.80	VIENTO	6.25E-02	-1.37E-03	6.81E-04		COMB9	0.0453	0.0453	-0.0026	0.0021	-0.0001	0.0001
	0.00	ESPECTRO	5.00E-03	8.28E-05	2.91E-05		COMB10	0.0190	0.0190	-0.0016	0.0019	0.0000	-0.0001
	0.80	ESPECTRO	5.00E-03	8.28E-05	3.97E-05								
	0.00	DEAD	-3.26E-01	-2.89E-03	-6.42E-04								
	1.08	DEAD	-3.17E-01	1.06E-03	3.45E-04		COMB1	-0.8515	-0.8382	-0.0053	0.0002	-0.0015	0.0013

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO AS-4 (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames

ELE.	Stat.	OutputCase	P	V2	M3
Text	m	Text	Ton	Ton	Ton-m
3608	0.00	COBERT	-1.31E-01	-4.02E-04	-1.68E-04
	1.08	COBERT	-1.31E-01	-4.02E-04	2.66E-04
	0.00	CORREAS	-1.51E-01	-5.13E-04	-2.35E-04
	1.08	CORREAS	-1.51E-01	-5.13E-04	3.18E-04
	0.00	VIVA	-5.23E-01	-1.61E-03	-6.71E-04
	1.08	VIVA	-5.23E-01	-1.61E-03	1.06E-03
	0.00	VIENTO	-7.55E-01	-2.32E-03	-9.69E-04
	1.08	VIENTO	-7.55E-01	-2.32E-03	1.54E-03
	0.00	ESPECTRO	6.98E-02	3.57E-04	1.70E-04
	1.08	ESPECTRO	6.98E-02	3.57E-04	2.16E-04
3609	0.00	DEAD	-2.87E-01	-3.37E-03	-1.08E-03
	1.07	DEAD	-2.77E-01	2.00E-04	6.16E-04
	0.00	COBERT	-1.17E-01	-6.45E-04	-3.15E-04
	1.07	COBERT	-1.17E-01	-6.45E-04	3.77E-04
	0.00	CORREAS	-1.25E-01	-7.00E-04	-3.57E-04
	1.07	CORREAS	-1.25E-01	-7.00E-04	3.95E-04
	0.00	VIVA	-4.70E-01	-2.58E-03	-1.26E-03
	1.07	VIVA	-4.70E-01	-2.58E-03	1.51E-03
	0.00	VIENTO	-6.79E-01	-3.73E-03	-1.82E-03
	1.07	VIENTO	-6.79E-01	-3.73E-03	2.18E-03
	0.00	ESPECTRO	8.19E-02	5.29E-04	2.62E-04
	1.07	ESPECTRO	8.19E-02	5.29E-04	3.07E-04
3610	0.00	DEAD	-2.24E-01	-2.55E-03	-7.32E-04
	1.07	DEAD	-2.15E-01	6.37E-04	2.89E-04
	0.00	COBERT	-1.02E-01	-4.57E-04	-2.19E-04
	1.07	COBERT	-1.02E-01	-4.57E-04	2.68E-04
	0.00	CORREAS	-1.08E-01	-4.42E-04	-2.30E-04
	1.07	CORREAS	-1.08E-01	-4.42E-04	2.42E-04
	0.00	VIVA	-4.09E-01	-1.83E-03	-8.78E-04
	1.07	VIVA	-4.09E-01	-1.83E-03	1.07E-03
	0.00	VIENTO	-5.91E-01	-2.64E-03	-1.27E-03
	1.07	VIENTO	-5.91E-01	-2.64E-03	1.55E-03
	0.00	ESPECTRO	8.27E-02	4.78E-04	2.40E-04
	1.07	ESPECTRO	8.27E-02	4.78E-04	2.72E-04
3611	0.00	DEAD	-1.53E-01	-1.97E-03	-5.22E-04
	1.06	DEAD	-1.43E-01	8.27E-04	8.63E-05
	0.00	COBERT	-7.83E-02	-3.06E-04	-1.50E-04
	1.06	COBERT	-7.83E-02	-3.06E-04	1.75E-04
	0.00	CORREAS	-6.96E-02	-2.91E-04	-1.59E-04
	1.06	CORREAS	-6.96E-02	-2.91E-04	1.49E-04
	0.00	VIVA	-3.13E-01	-1.22E-03	-5.99E-04
	1.06	VIVA	-3.13E-01	-1.22E-03	7.00E-04
	0.00	VIENTO	-4.52E-01	-1.77E-03	-8.65E-04
	1.06	VIENTO	-4.52E-01	-1.77E-03	1.01E-03
	0.00	ESPECTRO	7.28E-02	4.03E-04	2.07E-04
	1.06	ESPECTRO	7.28E-02	4.03E-04	2.21E-04
3612	0.00	DEAD	-8.79E-02	-1.40E-03	-3.13E-04
	1.06	DEAD	-7.81E-02	1.01E-03	-1.05E-04
	0.00	COBERT	-5.15E-02	-1.26E-04	-6.58E-05
	1.06	COBERT	-5.15E-02	-1.26E-04	6.73E-05
	0.00	CORREAS	-5.28E-02	-1.31E-04	-8.48E-05
	1.06	CORREAS	-5.28E-02	-1.31E-04	5.32E-05
	0.00	VIVA	-2.06E-01	-5.05E-04	-2.63E-04
	1.06	VIVA	-2.06E-01	-5.05E-04	2.69E-04
	0.00	VIENTO	-2.97E-01	-7.29E-04	-3.80E-04
	1.06	VIENTO	-2.97E-01	-7.29E-04	3.89E-04
	0.00	ESPECTRO	5.84E-02	3.22E-04	1.72E-04
	1.06	ESPECTRO	5.84E-02	3.22E-04	1.68E-04
3613	0.00	DEAD	-3.46E-02	-9.85E-04	-1.71E-04
	1.05	DEAD	-2.49E-02	1.04E-03	-1.98E-04
	0.00	COBERT	-2.80E-02	-1.26E-05	-1.05E-05
	1.05	COBERT	-2.80E-02	-1.26E-05	2.69E-06
	0.00	CORREAS	-2.15E-02	-5.14E-05	-4.58E-05
	1.05	CORREAS	-2.15E-02	-5.14E-05	8.08E-06
	0.00	VIVA	-1.12E-01	-5.03E-05	-4.19E-05
	1.05	VIVA	-1.12E-01	-5.03E-05	1.08E-05
	0.00	VIENTO	-1.62E-01	-7.26E-05	-6.06E-05
	1.05	VIENTO	-1.62E-01	-7.26E-05	1.56E-05
	0.00	ESPECTRO	4.64E-02	2.68E-04	1.50E-04
	1.05	ESPECTRO	4.64E-02	2.68E-04	1.31E-04
	0.00	DEAD	6.13E-03	-5.83E-04	-4.87E-05
	1.04	DEAD	1.59E-02	1.05E-03	-2.91E-04
	0.00	COBERT	-1.01E-02	7.70E-05	3.06E-05
	1.04	COBERT	-1.01E-02	7.70E-05	-4.96E-05
	0.00	CORREAS	-1.57E-02	3.44E-05	-7.92E-06

ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
3608	COMB2	-1.5659	-1.5545	-0.0071	-0.0024	-0.0023	0.0028
	COMB3	-1.9725	-1.9611	-0.0084	-0.0037	-0.0028	0.0036
	COMB4	-0.0097	0.0016	-0.0023	0.0024	-0.0003	-0.0004
	COMB5	-1.3337	-1.3224	-0.0064	-0.0017	-0.0020	0.0023
	COMB6	-0.1259	-0.1145	-0.0027	0.0020	-0.0005	-0.0001
	COMB7	-1.5287	-1.6998	-0.0064	-0.0028	-0.0022	0.0031
	COMB8	0.4340	0.4425	-0.0004	0.0031	0.0003	-0.0012
	COMB9	-0.9213	-0.9100	-0.0050	-0.0003	-0.0014	0.0019
	COMB10	-0.4776	-0.4691	-0.0031	0.0005	-0.0008	0.0011
3609							
	COMB1	-0.7416	-0.7282	-0.0066	-0.0016	-0.0025	0.0019
	COMB2	-1.3874	-1.3759	-0.0098	-0.0055	-0.0041	0.0041
	COMB3	-1.7529	-1.7414	-0.0118	-0.0075	-0.0051	0.0053
	COMB4	0.0118	0.0233	-0.0021	0.0022	-0.0004	-0.0004
	COMB5	-1.1786	-1.1671	-0.0086	-0.0044	-0.0036	0.0034
	COMB6	-0.0926	-0.0811	-0.0027	0.0016	-0.0007	-0.0001
	COMB7	-1.3591	-1.5065	-0.0091	-0.0062	-0.0040	0.0045
	COMB8	0.4056	0.4143	0.0006	0.0038	0.0008	-0.0016
	COMB9	-0.7886	-0.7772	-0.0064	-0.0021	-0.0025	0.0027
	COMB10	-0.3948	-0.3862	-0.0037	-0.0005	-0.0013	0.0016
3610							
	COMB1	-0.6088	-0.5953	-0.0048	-0.0004	-0.0017	0.0011
	COMB2	-1.1763	-1.1647	-0.0071	-0.0032	-0.0028	0.0027
	COMB3	-1.4945	-1.4829	-0.0085	-0.0047	-0.0035	0.0035
	COMB4	0.0418	0.0534	-0.0016	0.0022	-0.0002	-0.0005
	COMB5	-0.9946	-0.9830	-0.0062	-0.0024	-0.0024	0.0022
	COMB6	-0.0492	-0.0376	-0.0020	0.0018	-0.0004	-0.0003
	COMB7	-1.1595	-1.2784	-0.0065	-0.0037	-0.0027	0.0030
	COMB8	0.3767	0.3854	0.0003	0.0032	0.0006	-0.0013
	COMB9	-0.6437	-0.6321	-0.0046	-0.0008	-0.0016	0.0018
	COMB10	-0.3087	-0.3001	-0.0026	0.0002	-0.0008	0.0010
3611							
	COMB1	-0.4214	-0.4078	-0.0036	0.0003	-0.0012	0.0006
	COMB2	-0.8620	-0.8504	-0.0050	-0.0017	-0.0020	0.0016
	COMB3	-1.1056	-1.0940	-0.0060	-0.0026	-0.0024	0.0022
	COMB4	0.0702	0.0819	-0.0014	0.0020	-0.0002	-0.0005
	COMB5	-0.7230	-0.7113	-0.0045	-0.0011	-0.0017	0.0013
	COMB6	0.0006	0.0123	-0.0017	0.0017	-0.0003	-0.0003
	COMB7	-0.8588	-0.9374	-0.0046	-0.0020	-0.0019	0.0018
	COMB8	0.3171	0.3258	0.0000	0.0025	0.0004	-0.0009
	COMB9	-0.4449	-0.4332	-0.0033	0.0001	-0.0011	0.0011
	COMB10	-0.1981	-0.1893	-0.0019	0.0006	-0.0005	0.0006
3612							
	COMB1	-0.2690	-0.2553	-0.0023	0.0011	-0.0006	0.0000
	COMB2	-0.5599	-0.5482	-0.0028	0.0001	-0.0010	0.0004
	COMB3	-0.7201	-0.7084	-0.0032	-0.0003	-0.0012	0.0007
	COMB4	0.0531	0.0648	-0.0013	0.0016	-0.0002	-0.0004
	COMB5	-0.4685	-0.4568	-0.0026	0.0003	-0.0009	0.0003
	COMB6	0.0074	0.0191	-0.0014	0.0015	-0.0003	-0.0003
	COMB7	-0.5595	-0.6055	-0.0024	0.0000	-0.0009	0.0005
	COMB8	0.2137	0.2225	-0.0005	0.0016	0.0001	-0.0005
	COMB9	-0.2751	-0.2634	-0.0019	0.0010	-0.0005	0.0003
	COMB10	-0.1145	-0.1057	-0.0012	0.0010	-0.0002	0.0002
3613							
	COMB1	-0.1178	-0.1041	-0.0015	0.0014	-0.0003	-0.0003
	COMB2	-0.2803	-0.2686	-0.0013	0.0011	-0.0003	-0.0002
	COMB3	-0.3676	-0.3558	-0.0014	0.0010	-0.0004	-0.0002
	COMB4	0.0535	0.0652	-0.0012	0.0012	-0.0002	-0.0002
	COMB5	-0.2305	-0.2188	-0.0013	0.0011	-0.0003	-0.0002
	COMB6	0.0286	0.0403	-0.0012	0.0012	-0.0002	-0.0002
	COMB7	-0.2863	-0.2998	-0.0010	0.0011	-0.0003	-0.0002
	COMB8	0.1348	0.1436	-0.0008	0.0010	-0.0001	-0.0002
	COMB9	-0.1107	-0.0989	-0.0010	0.0014	-0.0001	-0.0001
	COMB10	-0.0294	-0.0206	-0.0007	0.0011	-0.0001	0.0000
	COMB1	-0.0276	-0.0139	-0.0007	0.0016	0.0000	-0.0005
	COMB2	-0.0884	-0.0767	-0.0001	0.0019	0.0002	-0.0008
	COMB3	-0.1199	-0.1082	0.0002	0.0021	0.0003	-0.0009
	COMB4	0.0322	0.0439	-0.0010	0.0010	-0.0002	-0.0002

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO AS-4 (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames

ELE.	Stat.	OutputCase	P	V2	M3	ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
Text	m	Text	Ton	Ton	Ton-m								
3614	1.04	CORREAS	-1.57E-02	3.44E-05	-4.37E-05	3614	COMB5	-0.0704	-0.0587	-0.0002	0.0017	0.0001	-0.0007
	0.00	VIVA	-4.05E-02	3.08E-04	1.22E-04		COMB6	0.0232	0.0349	-0.0009	0.0010	-0.0002	-0.0002
	1.04	VIVA	-4.05E-02	3.08E-04	-1.98E-04		COMB7	-0.0938	-0.0879	0.0002	0.0020	0.0002	-0.0008
	0.00	VIENTO	-5.85E-02	4.45E-04	1.77E-04		COMB8	0.0583	0.0671	-0.0010	0.0005	-0.0003	0.0000
	1.04	VIENTO	-5.85E-02	4.45E-04	-2.87E-04		COMB9	-0.0022	0.0095	-0.0001	0.0018	0.0002	-0.0004
	0.00	ESPECTRO	4.17E-02	2.88E-04	1.51E-04		COMB10	0.0240	0.0328	-0.0001	0.0013	0.0001	-0.0002
	1.04	ESPECTRO	4.17E-02	2.88E-04	1.49E-04								
3615	0.00	DEAD	3.57E-02	-1.09E-04	3.25E-05	3615							
	1.03	DEAD	4.06E-02	5.25E-04	-1.83E-04		COMB1	0.0633	0.0703	0.0000	0.0009	0.0001	-0.0004
	0.00	COBERT	3.06E-03	7.28E-05	3.17E-05		COMB2	0.0739	0.0798	0.0005	0.0012	0.0003	-0.0006
	1.03	COBERT	3.06E-03	7.28E-05	-4.36E-05		COMB3	0.0834	0.0894	0.0007	0.0014	0.0004	-0.0007
	0.00	CORREAS	6.50E-03	3.15E-05	3.08E-06		COMB4	0.0374	0.0434	-0.0004	0.0004	-0.0001	-0.0001
	1.03	CORREAS	6.50E-03	3.15E-05	-2.95E-05		COMB5	0.0684	0.0744	0.0003	0.0011	0.0002	-0.0005
	0.00	VIVA	1.22E-02	2.91E-04	1.27E-04		COMB6	0.0401	0.0461	-0.0003	0.0004	-0.0001	-0.0001
	1.03	VIVA	1.22E-02	2.91E-04	-1.74E-04		COMB7	0.0637	0.0832	0.0005	0.0013	0.0003	-0.0006
	0.00	VIENTO	1.77E-02	4.21E-04	1.83E-04		COMB8	0.0177	0.0222	-0.0006	0.0000	-0.0002	0.0001
	1.03	VIENTO	1.77E-02	4.21E-04	-2.52E-04		COMB9	0.1015	0.1075	0.0003	0.0011	0.0002	-0.0003
	0.00	ESPECTRO	4.12E-02	1.96E-04	1.03E-04		COMB10	0.0818	0.0863	0.0002	0.0008	0.0002	-0.0001
	1.03	ESPECTRO	4.12E-02	1.96E-04	1.00E-04								
3616	0.00	DEAD	5.25E-02	4.48E-05	8.04E-05	3616							
	1.03	DEAD	5.75E-02	4.80E-04	-1.89E-04		COMB1	0.0963	0.1032	0.0003	0.0009	0.0002	-0.0004
	0.00	COBERT	1.21E-02	9.86E-05	4.43E-05		COMB2	0.1597	0.1656	0.0009	0.0014	0.0005	-0.0007
	1.03	COBERT	1.21E-02	9.86E-05	-5.70E-05		COMB3	0.1972	0.2031	0.0012	0.0017	0.0006	-0.0009
	0.00	CORREAS	4.22E-03	6.18E-05	1.65E-05		COMB4	0.0161	0.0220	-0.0003	0.0002	-0.0001	0.0000
	1.03	CORREAS	4.22E-03	6.18E-05	-4.70E-05		COMB5	0.1382	0.1442	0.0007	0.0012	0.0004	-0.0006
	0.00	VIVA	4.82E-02	3.95E-04	1.77E-04		COMB6	0.0268	0.0328	-0.0002	0.0003	0.0000	-0.0001
	1.03	VIVA	4.82E-02	3.95E-04	-2.28E-04		COMB7	0.1524	0.1790	0.0009	0.0015	0.0005	-0.0008
	0.00	VIENTO	6.97E-02	5.70E-04	2.56E-04		COMB8	-0.0287	-0.0242	-0.0006	-0.0002	-0.0002	0.0002
	1.03	VIENTO	6.97E-02	5.70E-04	-3.29E-04		COMB9	0.1490	0.1550	0.0006	0.0012	0.0004	-0.0004
	0.00	ESPECTRO	4.24E-02	2.01E-04	1.11E-04		COMB10	0.1043	0.1088	0.0004	0.0008	0.0002	-0.0002
	1.03	ESPECTRO	4.24E-02	2.01E-04	9.69E-05								
3617	0.00	DEAD	6.14E-02	1.17E-04	8.97E-05	3617							
	1.02	DEAD	6.64E-02	3.55E-04	-1.51E-04		COMB1	0.1393	0.1463	0.0004	0.0007	0.0002	-0.0003
	0.00	COBERT	1.79E-02	9.64E-05	4.66E-05		COMB2	0.2338	0.2397	0.0009	0.0012	0.0005	-0.0006
	1.02	COBERT	1.79E-02	9.64E-05	-5.16E-05		COMB3	0.2894	0.2953	0.0012	0.0015	0.0006	-0.0008
	0.00	CORREAS	2.03E-02	4.63E-05	1.24E-05		COMB4	0.0210	0.0269	-0.0002	0.0001	-0.0001	0.0000
	1.02	CORREAS	2.03E-02	4.63E-05	-3.47E-05		COMB5	0.2020	0.2080	0.0008	0.0010	0.0004	-0.0005
	0.00	VIVA	7.15E-02	3.86E-04	1.87E-04		COMB6	0.0368	0.0428	-0.0001	0.0002	0.0000	0.0000
	1.02	VIVA	7.15E-02	3.86E-04	-2.06E-04		COMB7	0.2238	0.2596	0.0010	0.0013	0.0005	-0.0007
	0.00	VIENTO	1.03E-01	5.57E-04	2.69E-04		COMB8	-0.0446	-0.0402	-0.0005	-0.0003	-0.0002	0.0002
	1.02	VIENTO	1.03E-01	5.57E-04	-2.98E-04		COMB9	0.1952	0.2011	0.0007	0.0010	0.0004	-0.0003
	0.00	ESPECTRO	4.00E-02	1.61E-04	8.97E-05		COMB10	0.1296	0.1341	0.0004	0.0006	0.0002	-0.0001
	1.02	ESPECTRO	4.00E-02	1.61E-04	7.52E-05								
3618	0.00	DEAD	6.15E-02	1.94E-04	9.42E-05	3618							
	1.01	DEAD	6.64E-02	2.36E-04	-1.23E-04		COMB1	0.1294	0.1363	0.0005	0.0005	0.0002	-0.0003
	0.00	COBERT	1.96E-02	9.32E-05	4.49E-05		COMB2	0.2366	0.2425	0.0010	0.0011	0.0005	-0.0006
	1.01	COBERT	1.96E-02	9.32E-05	-4.92E-05		COMB3	0.2977	0.3036	0.0013	0.0014	0.0006	-0.0007
	0.00	CORREAS	1.13E-02	6.01E-05	1.91E-05		COMB4	0.0027	0.0086	-0.0001	0.0000	-0.0001	0.0000
	1.01	CORREAS	1.13E-02	6.01E-05	-4.16E-05		COMB5	0.2017	0.2076	0.0008	0.0009	0.0004	-0.0005
	0.00	VIVA	7.85E-02	3.73E-04	1.80E-04		COMB6	0.0202	0.0261	0.0000	0.0000	0.0000	0.0000
	1.01	VIVA	7.85E-02	3.73E-04	-1.97E-04		COMB7	0.2307	0.2643	0.0010	0.0012	0.0005	-0.0006
	0.00	VIENTO	1.13E-01	5.38E-04	2.59E-04		COMB8	-0.0643	-0.0599	-0.0004	-0.0003	-0.0002	0.0002
	1.01	VIENTO	1.13E-01	5.38E-04	-2.84E-04		COMB9	0.1831	0.1890	0.0007	0.0008	0.0003	-0.0003
	0.00	ESPECTRO	3.29E-02	1.13E-04	6.16E-05		COMB10	0.1161	0.1205	0.0004	0.0005	0.0002	-0.0001
	1.01	ESPECTRO	3.29E-02	1.13E-04	5.54E-05								
3619	0.00	DEAD	4.90E-02	1.41E-04	4.28E-05	3619							
	1.00	DEAD	5.39E-02	2.93E-04	-1.74E-04		COMB1	0.1165	0.1234	0.0005	0.0007	0.0002	-0.0005
	0.00	COBERT	1.48E-02	1.17E-04	2.84E-05		COMB2	0.1946	0.2005	0.0012	0.0014	0.0003	-0.0010
	1.00	COBERT	1.48E-02	1.17E-04	-8.85E-05		COMB3	0.2407	0.2466	0.0016	0.0018	0.0004	-0.0013
	0.00	CORREAS	1.94E-02	1.26E-04	4.62E-05		COMB4	0.0183	0.0241	-0.0002	0.0000	0.0000	0.0001
	1.00	CORREAS	1.94E-02	1.26E-04	-7.99E-05		COMB5	0.1683	0.1742	0.0010	0.0012	0.0003	-0.0008
	0.00	VIVA	5.92E-02	4.67E-04	1.14E-04		COMB6	0.0315	0.0373	-0.0001	0.0001	0.0000	0.0000
	1.00	VIVA	5.92E-02	4.67E-04	-3.54E-04		COMB7	0.1861	0.2169	0.0012	0.0015	0.0003	-0.0011
	0.00	VIENTO	8.56E-02	6.75E-04	1.64E-04		COMB8	-0.0363	-0.0319	-0.0005	-0.0004	-0.0001	0.0004
	1.00	VIENTO	8.56E-02	6.75E-04	-5.11E-04		COMB9	0.1504	0.1563	0.0008	0.0010	0.0002	-0.0005
	0.00	ESPECTRO	2.09E-02	9.19E-05	2.00E-05		COMB10	0.0959	0.1002	0.0004	0.0006	0.0001	-0.0002
	1.00	ESPECTRO	2.09E-02	9.19E-05	7.22E-05								
3620	0.00	DEAD	3.44E-02	-9.57E-04	-2.91E-04	3620							
	0.99	DEAD	3.92E-02	-6.13E-04	4.88E-04		COMB1	0.0667	0.0734	-0.0023	-0.0018	-0.0007	0.0013
	0.00	COBERT	8.77E-03	-3.69E-04	-1.26E-04		COMB2	0.1133	0.1190	-0.0043	-0.0039	-0.0014	0.0027
	0.99	COBERT	8.77E-03	-3.69E-04	2.40E-04		COMB3	0.1406	0.1463	-0.0055	-0.0051	-0.0018	0.0034
	0.00	CORREAS	4.45E-03	-3.32E-04	-1.05E-04		COMB4	0.0088	0.0146	0.0000	0.0005	0.0001	-0.0002
	0.99	CORREAS	4.45E-03	-3.32E-04	2.25E-04		COMB5	0.0977	0.1035	-0.0037	-0.0033	-0.0012	0.0023
	0.00	VIVA	3.51E-02	-1.47E-03	-5.03E-04		COMB6	0.0166	0.0224	-0.0003	0.0001	0.0000	0.0000
	0.99	VIVA	3.51E-02	-1.47E-03	9.61E-04		COMB7	0.1087	0.1288	-0.0043	-0.0043	-0.0014	0.0030

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO AS-4 (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames

ELE.	Stat.	OutputCase	P	V2	M3	ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
Text	m	Text	Ton	Ton	Ton-m								
	0.00	VIENTO	5.07E-02	-2.13E-03	-7.27E-04		COMB8	-0.0230	-0.0187	0.0013	0.0016	0.0005	-0.0009
	0.99	VIENTO	5.07E-02	-2.13E-03	1.39E-03		COMB9	0.0883	0.0941	-0.0026	-0.0022	-0.0008	0.0017
	0.00	ESPECTRO	1.36E-02	7.91E-05	2.77E-05		COMB10	0.0565	0.0608	-0.0014	-0.0011	-0.0004	0.0009
	0.99	ESPECTRO	1.36E-02	7.91E-05	5.38E-05								
	0.00	DEAD	2.03E-01	-2.97E-04	-8.93E-05								
	0.98	DEAD	2.08E-01	2.35E-04	-5.88E-05		COMB1	0.5353	0.5420	-0.0005	0.0003	-0.0002	-0.0001
	0.00	COBERT	8.84E-02	-2.37E-05	-2.60E-05		COMB2	1.0244	1.0301	-0.0005	0.0001	-0.0003	-0.0001
	0.98	COBERT	8.84E-02	-2.37E-05	-2.73E-06		COMB3	1.2993	1.3050	-0.0006	0.0000	-0.0004	-0.0001
	0.00	CORREAS	9.06E-02	-6.55E-06	-1.07E-05		COMB4	-0.0282	-0.0225	-0.0003	0.0004	0.0000	-0.0001
3621	0.98	CORREAS	9.06E-02	-6.55E-06	-4.22E-06	3621	COMB5	0.8673	0.8730	-0.0005	0.0001	-0.0003	-0.0001
	0.00	VIVA	3.53E-01	-9.47E-05	-1.04E-04		COMB6	0.0504	0.0561	-0.0003	0.0004	0.0000	-0.0001
	0.98	VIVA	3.53E-01	-9.47E-05	-1.09E-05		COMB7	1.0079	1.1283	-0.0005	0.0001	-0.0003	-0.0001
	0.00	VIENTO	5.11E-01	-1.37E-04	-1.50E-04		COMB8	-0.3196	-0.3153	-0.0001	0.0004	0.0001	0.0000
	0.98	VIENTO	5.11E-01	-1.37E-04	-1.58E-05		COMB9	0.6661	0.6718	-0.0003	0.0003	-0.0001	0.0000
	0.00	ESPECTRO	3.05E-02	1.49E-04	6.01E-05		COMB10	0.3746	0.3789	-0.0001	0.0003	-0.0001	0.0000
	0.98	ESPECTRO	3.05E-02	1.49E-04	8.74E-05								
	0.00	DEAD	1.73E-01	-1.44E-03	-5.01E-04								
	0.98	DEAD	1.82E-01	-3.95E-05	2.23E-04		COMB1	0.4452	0.4581	-0.0031	-0.0011	-0.0012	0.0008
	0.00	COBERT	7.64E-02	-4.10E-04	-2.17E-04		COMB2	0.8709	0.8819	-0.0053	-0.0036	-0.0025	0.0018
	0.98	COBERT	7.64E-02	-4.10E-04	1.84E-04		COMB3	1.1088	1.1198	-0.0065	-0.0048	-0.0031	0.0024
	0.00	CORREAS	6.84E-02	-3.38E-04	-1.74E-04		COMB4	-0.0398	-0.0288	-0.0004	0.0013	0.0001	-0.0003
3622	0.98	CORREAS	6.84E-02	-3.38E-04	1.55E-04	3622	COMB5	0.7350	0.7460	-0.0045	-0.0028	-0.0021	0.0015
	0.00	VIVA	3.06E-01	-1.64E-03	-8.66E-04		COMB6	0.0282	0.0392	-0.0007	0.0010	-0.0001	-0.0002
	0.98	VIVA	3.06E-01	-1.64E-03	7.34E-04		COMB7	0.8605	0.9669	-0.0051	-0.0040	-0.0024	0.0021
	0.00	VIENTO	4.42E-01	-2.37E-03	-1.25E-03		COMB8	-0.2881	-0.2798	0.0011	0.0024	0.0008	-0.0009
	0.98	VIENTO	4.42E-01	-2.37E-03	1.06E-03		COMB9	0.5493	0.5603	-0.0033	-0.0017	-0.0015	0.0011
	0.00	ESPECTRO	1.48E-02	1.09E-04	4.53E-05		COMB10	0.3010	0.3093	-0.0019	-0.0006	-0.0008	0.0006
	0.98	ESPECTRO	1.48E-02	1.09E-04	6.76E-05								
	0.00	DEAD	1.32E-01	-1.26E-03	-2.43E-04								
	0.97	DEAD	1.41E-01	4.95E-04	1.28E-04		COMB1	0.3606	0.3732	-0.0023	0.0002	-0.0005	0.0005
	0.00	COBERT	6.12E-02	-1.67E-04	-6.86E-05		COMB2	0.7010	0.7119	-0.0030	-0.0009	-0.0009	0.0010
	0.97	COBERT	6.12E-02	-1.67E-04	9.31E-05		COMB3	0.8916	0.9025	-0.0035	-0.0014	-0.0011	0.0013
	0.00	CORREAS	6.45E-02	-1.77E-04	-4.90E-05		COMB4	-0.0285	-0.0177	-0.0010	0.0011	-0.0001	-0.0001
	0.97	CORREAS	6.45E-02	-1.77E-04	1.22E-04		COMB5	0.5922	0.6030	-0.0027	-0.0006	-0.0008	0.0008
3623	0.00	VIVA	2.45E-01	-6.70E-04	-2.74E-04	3623	COMB6	0.0260	0.0368	-0.0012	0.0010	-0.0001	0.0000
	0.97	VIVA	2.45E-01	-6.70E-04	3.73E-04		COMB7	0.6919	0.7800	-0.0027	-0.0011	-0.0008	0.0011
	0.00	VIENTO	3.54E-01	-9.68E-04	-3.96E-04		COMB8	-0.2283	-0.2201	-0.0002	0.0014	0.0002	-0.0004
	0.97	VIENTO	3.54E-01	-9.68E-04	5.38E-04		COMB9	0.4584	0.4693	-0.0020	0.0001	-0.0004	0.0007
	0.00	ESPECTRO	2.69E-02	2.19E-04	1.37E-04		COMB10	0.2587	0.2668	-0.0012	0.0004	-0.0002	0.0004
	0.97	ESPECTRO	2.69E-02	2.19E-04	1.08E-04								
	0.00	DEAD	9.47E-02	-2.63E-04	3.67E-04								
	0.96	DEAD	1.04E-01	1.84E-03	-3.89E-04		COMB1	0.2387	0.2511	0.0004	0.0034	0.0011	-0.0008
	0.00	COBERT	3.97E-02	2.24E-04	1.71E-04		COMB2	0.4589	0.4696	0.0018	0.0043	0.0020	-0.0009
	0.96	COBERT	3.97E-02	2.24E-04	-4.37E-05		COMB3	0.5826	0.5932	0.0025	0.0050	0.0025	-0.0011
	0.00	CORREAS	3.61E-02	3.42E-04	2.21E-04		COMB4	-0.0144	-0.0038	-0.0009	0.0017	0.0000	-0.0004
3624	0.96	CORREAS	3.61E-02	3.42E-04	-1.07E-04	3624	COMB5	0.3883	0.3989	0.0014	0.0039	0.0017	-0.0008
	0.00	VIVA	1.59E-01	8.97E-04	6.83E-04		COMB6	0.0209	0.0315	-0.0007	0.0019	0.0001	-0.0004
	0.96	VIVA	1.59E-01	8.97E-04	-1.75E-04		COMB7	0.4520	0.5138	0.0020	0.0046	0.0020	-0.0010
	0.00	VIENTO	2.30E-01	1.30E-03	9.87E-04		COMB8	-0.1451	-0.1371	-0.0014	0.0005	-0.0006	-0.0002
	0.96	VIENTO	2.30E-01	1.30E-03	-2.53E-04		COMB9	0.3367	0.3473	0.0021	0.0046	0.0018	-0.0001
	0.00	ESPECTRO	5.26E-02	1.27E-03	5.42E-04		COMB10	0.2060	0.2140	0.0015	0.0034	0.0012	0.0002
	0.96	ESPECTRO	5.26E-02	1.27E-03	6.77E-04								
	0.00	DEAD	-3.99E-02	-1.53E-03	-1.23E-03								
	0.87	DEAD	-3.57E-02	-1.12E-03	-8.44E-05		COMB1	-0.1133	-0.1074	-0.0034	-0.0028	-0.0030	-0.0003
	0.00	COBERT	-1.76E-02	-5.24E-04	-4.85E-04		COMB2	-0.2099	-0.2048	-0.0062	-0.0057	-0.0057	-0.0005
	0.87	COBERT	-1.76E-02	-5.24E-04	-3.08E-05		COMB3	-0.2647	-0.2596	-0.0079	-0.0074	-0.0072	-0.0006
	0.00	CORREAS	-2.34E-02	-3.38E-04	-4.14E-04		COMB4	0.0000	0.0050	0.0000	0.0005	0.0001	-0.0001
3625	0.87	CORREAS	-2.34E-02	-3.38E-04	-1.21E-04	3625	COMB5	-0.1786	-0.1735	-0.0053	-0.0048	-0.0048	-0.0004
	0.00	VIVA	-7.05E-02	-2.10E-03	-1.94E-03		COMB6	-0.0157	-0.0107	-0.0004	0.0000	-0.0003	-0.0001
	0.87	VIVA	-7.05E-02	-2.10E-03	-1.23E-04		COMB7	-0.2052	-0.2244	-0.0061	-0.0063	-0.0056	-0.0005
	0.00	VIENTO	-1.02E-01	-3.03E-03	-2.80E-03		COMB8	0.0595	0.0632	0.0018	0.0022	0.0017	0.0000
	0.87	VIENTO	-1.02E-01	-3.03E-03	-1.78E-04		COMB9	-0.0433	-0.0383	-0.0016	-0.0011	-0.0027	0.0008
	0.00	ESPECTRO	8.91E-02	2.30E-03	8.34E-04		COMB10	0.0162	0.0200	0.0001	0.0005	-0.0011	0.0010
	0.87	ESPECTRO	8.91E-02	2.30E-03	1.17E-03								
	0.00	DEAD	-2.09E-02	-4.16E-03	1.90E-04								
	0.40	DEAD	-2.09E-02	-5.19E-04	1.13E-03		COMB1	-0.0721	-0.0721	-0.0044	0.0007	0.0018	0.0025
	0.00	COBERT	-4.68E-03	4.77E-04	5.46E-04		COMB2	-0.0918	-0.0918	-0.0007	0.0037	0.0050	0.0045
	0.40	COBERT	-4.68E-03	4.77E-04	3.56E-04		COMB3	-0.1063	-0.1063	0.0008	0.0051	0.0067	0.0056
	0.00	CORREAS	-2.59E-02	5.45E-04	5.55E-04		COMB4	-0.0360	-0.0360	-0.0064	-0.0020	-0.0015	0.0002
3070	0.40	CORREAS	-2.59E-02	5.45E-04	3.37E-04	3070	COMB5	-0.0834	-0.0834	-0.0016	0.0028	0.0041	0.0038
	0.00	VIVA	-1.87E-02	1.91E-03	2.19E-03		COMB6	-0.0402	-0.0402	-0.0060	-0.0016	-0.0010	0.0005
	0.40	VIVA	-1.87E-02	1.91E-03	1.42E-03		COMB7	-0.0815	-0.0970	0.0008	0.0042	0.0053	0.0049
	0.00	VIENTO	-2.71E-02	2.76E-03	3.16E-03		COMB8	-0.0112	-0.0112	-0.0064	-0.0031	-0.0029	-0.0010
	0.40	VIENTO	-2.71E-02	2.76E-03	2.05E-03		COMB9	-0.0655	-0.0655	-0.0023	0.0021	0.0031	0.0032
	0.00	ESPECTRO	5.65E-03	5.10E-04	5.04E-04		COMB10	-0.0407	-0.0407	-0.0023	0.0010	0.0017	0.0019

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO AS-4 (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames													
ELE.	Stat.	OutputCase	P	V2	M3	ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
Text	m	Text	Ton	Ton	Ton-m								
	0.40	ESPECTRO	5.65E-03	5.10E-04	3.00E-04								
	0.00	DEAD	-2.09E-02	-5.19E-04	1.13E-03								
	0.80	DEAD	-2.09E-02	5.25E-03	-7.55E-04		COMB1	-0.0721	-0.0721	0.0007	0.0088	0.0025	-0.0012
	0.00	COBERT	-4.68E-03	4.77E-04	3.56E-04		COMB2	-0.0918	-0.0918	0.0037	0.0106	0.0045	-0.0012
	0.80	COBERT	-4.68E-03	4.77E-04	-2.43E-05		COMB3	-0.1063	-0.1063	0.0051	0.0121	0.0056	-0.0013
	0.00	CORREAS	-2.59E-02	5.45E-04	3.37E-04		COMB4	-0.0360	-0.0360	-0.0020	0.0049	0.0002	-0.0009
	0.80	CORREAS	-2.59E-02	5.45E-04	-9.75E-05		COMB5	-0.0834	-0.0834	0.0028	0.0097	0.0038	-0.0012
3071	0.00	VIVA	-1.87E-02	1.91E-03	1.42E-03	3071	COMB6	-0.0402	-0.0402	-0.0016	0.0053	0.0005	-0.0009
	0.80	VIVA	-1.87E-02	1.91E-03	-9.72E-05		COMB7	-0.0815	-0.0970	0.0040	0.0111	0.0043	-0.0012
	0.00	VIENTO	-2.71E-02	2.76E-03	2.05E-03		COMB8	-0.0112	-0.0112	-0.0031	0.0021	-0.0010	-0.0006
	0.80	VIENTO	-2.71E-02	2.76E-03	-1.40E-04		COMB9	-0.0655	-0.0655	0.0021	0.0090	0.0032	-0.0010
	0.00	ESPECTRO	5.65E-03	5.07E-04	3.00E-04		COMB10	-0.0407	-0.0407	0.0010	0.0061	0.0019	-0.0007
	0.80	ESPECTRO	5.65E-03	5.07E-04	1.04E-04								
	0.00	DEAD	4.03E-01	-4.81E-04	8.78E-04								
	1.08	DEAD	4.13E-01	3.47E-03	-7.32E-04		COMB1	1.0747	1.0880	0.0013	0.0068	0.0027	-0.0016
	0.00	COBERT	1.96E-01	8.05E-04	5.97E-04		COMB2	2.1769	2.1883	0.0063	0.0110	0.0062	-0.0031
	1.08	COBERT	1.96E-01	8.05E-04	-2.72E-04		COMB3	2.7876	2.7990	0.0088	0.0135	0.0080	-0.0040
	0.00	CORREAS	1.68E-01	5.92E-04	4.72E-04		COMB4	-0.1604	-0.1491	-0.0033	0.0014	-0.0010	0.0001
3394	1.08	CORREAS	1.68E-01	5.92E-04	-1.67E-04	3394	COMB5	1.8282	1.8396	0.0048	0.0096	0.0051	-0.0027
	0.00	VIVA	7.85E-01	3.22E-03	2.39E-03		COMB6	0.0141	0.0254	-0.0026	0.0021	-0.0004	-0.0001
	1.08	VIVA	7.85E-01	3.22E-03	-1.09E-03		COMB7	2.1649	2.4065	0.0069	0.0119	0.0062	-0.0034
	0.00	VIENTO	1.13E+00	4.65E-03	3.45E-03		COMB8	-0.7832	-0.7746	-0.0052	-0.0017	-0.0027	0.0010
	1.08	VIENTO	1.13E+00	4.65E-03	-1.57E-03		COMB9	1.4651	1.4765	0.0033	0.0081	0.0040	-0.0017
	0.00	ESPECTRO	1.52E-01	6.09E-04	4.28E-04		COMB10	0.8424	0.8510	0.0014	0.0050	0.0022	-0.0008
	1.08	ESPECTRO	1.52E-01	6.09E-04	2.30E-04								
	0.00	DEAD	1.73E-01	-7.29E-04	9.28E-04								
	1.07	DEAD	1.83E-01	2.84E-03	-2.05E-04		COMB1	0.4543	0.4677	0.0004	0.0054	0.0029	-0.0002
	0.00	COBERT	9.04E-02	5.86E-04	6.33E-04		COMB2	0.9677	0.9791	0.0041	0.0084	0.0066	-0.0002
	1.07	COBERT	9.04E-02	5.86E-04	3.31E-06		COMB3	1.2489	1.2604	0.0060	0.0102	0.0085	-0.0002
	0.00	CORREAS	6.11E-02	4.60E-04	5.31E-04		COMB4	-0.1087	-0.0972	-0.0029	0.0014	-0.0010	-0.0002
3395	1.07	CORREAS	6.11E-02	4.60E-04	3.66E-05	3395	COMB5	0.8071	0.8186	0.0031	0.0074	0.0054	-0.0002
	0.00	VIVA	3.61E-01	2.35E-03	2.53E-03		COMB6	-0.0283	-0.0168	-0.0023	0.0020	-0.0004	-0.0002
	1.07	VIVA	3.61E-01	2.35E-03	1.32E-05		COMB7	0.9708	1.0796	0.0047	0.0091	0.0066	-0.0002
	0.00	VIENTO	5.22E-01	3.39E-03	3.66E-03		COMB8	-0.3867	-0.3781	-0.0041	-0.0009	-0.0029	-0.0002
	1.07	VIENTO	5.22E-01	3.39E-03	1.91E-05		COMB9	0.6621	0.6736	0.0022	0.0064	0.0043	0.0000
	0.00	ESPECTRO	9.20E-02	6.12E-04	5.02E-04		COMB10	0.3840	0.3927	0.0009	0.0041	0.0024	0.0000
	1.07	ESPECTRO	9.20E-02	6.12E-04	1.90E-04								
	0.00	DEAD	-3.93E-02	-1.90E-03	1.85E-04								
	1.07	DEAD	-2.97E-02	1.29E-03	5.08E-04		COMB1	-0.1127	-0.0991	-0.0030	0.0015	0.0008	0.0017
	0.00	COBERT	-1.79E-02	-9.39E-05	2.40E-04		COMB2	-0.2114	-0.1998	-0.0032	0.0007	0.0023	0.0036
	1.07	COBERT	-1.79E-02	-9.39E-05	3.40E-04		COMB3	-0.2672	-0.2556	-0.0035	0.0004	0.0030	0.0047
	0.00	CORREAS	-2.32E-02	-1.48E-04	1.80E-04		COMB4	0.0023	0.0139	-0.0020	0.0018	-0.0006	-0.0005
3396	1.07	CORREAS	-2.32E-02	-1.48E-04	3.38E-04	3396	COMB5	-0.1795	-0.1679	-0.0030	0.0008	0.0018	0.0030
	0.00	VIVA	-7.17E-02	-3.75E-04	9.60E-04		COMB6	-0.0136	-0.0021	-0.0021	0.0017	-0.0004	-0.0001
	1.07	VIVA	-7.17E-02	-3.75E-04	1.36E-03		COMB7	-0.2072	-0.2197	-0.0026	0.0006	0.0023	0.0040
	0.00	VIENTO	-1.04E-01	-5.42E-04	1.39E-03		COMB8	0.0623	0.0710	-0.0012	0.0016	-0.0013	-0.0015
	1.07	VIENTO	-1.04E-01	-5.42E-04	1.97E-03		COMB9	-0.0814	-0.0699	-0.0024	0.0014	0.0015	0.0023
	0.00	ESPECTRO	5.10E-02	3.46E-04	2.93E-04		COMB10	-0.0214	-0.0127	-0.0016	0.0013	0.0008	0.0013
	1.07	ESPECTRO	5.10E-02	3.46E-04	2.11E-04								
	0.00	DEAD	-1.74E-01	-2.36E-03	-1.69E-04								
	1.06	DEAD	-1.64E-01	4.37E-04	8.53E-04		COMB1	-0.4909	-0.4773	-0.0045	-0.0006	-0.0002	0.0026
	0.00	COBERT	-8.56E-02	-4.31E-04	4.45E-05		COMB2	-0.9683	-0.9567	-0.0066	-0.0033	0.0002	0.0054
	1.06	COBERT	-8.56E-02	-4.31E-04	5.02E-04		COMB3	-1.2346	-1.2229	-0.0080	-0.0046	0.0003	0.0070
	0.00	CORREAS	-9.14E-02	-4.30E-04	1.37E-05		COMB4	0.0509	0.0625	-0.0015	0.0019	-0.0004	-0.0006
3397	1.06	CORREAS	-9.14E-02	-4.30E-04	4.70E-04	3397	COMB5	-0.8163	-0.8046	-0.0059	-0.0025	0.0001	0.0045
	0.00	VIVA	-3.42E-01	-1.72E-03	1.78E-04		COMB6	-0.0252	-0.0135	-0.0019	0.0015	-0.0003	-0.0001
	1.06	VIVA	-3.42E-01	-1.72E-03	2.01E-03		COMB7	-0.9583	-1.0518	-0.0061	-0.0037	0.0002	0.0060
	0.00	VIENTO	-4.94E-01	-2.49E-03	2.57E-04		COMB8	0.3272	0.3359	0.0003	0.0029	-0.0004	-0.0021
	1.06	VIENTO	-4.94E-01	-2.49E-03	2.90E-03		COMB9	-0.5401	-0.5284	-0.0044	-0.0010	0.0002	0.0035
	0.00	ESPECTRO	5.18E-02	3.22E-04	2.07E-04		COMB10	-0.2638	-0.2550	-0.0026	-0.0001	0.0001	0.0019
	1.06	ESPECTRO	5.18E-02	3.22E-04	2.68E-04								
	0.00	DEAD	-2.67E-01	-2.29E-03	-1.22E-04								
	1.06	DEAD	-2.57E-01	1.19E-04	1.02E-03		COMB1	-0.7279	-0.7142	-0.0046	-0.0012	-0.0001	0.0030
	0.00	COBERT	-1.30E-01	-4.68E-04	5.92E-05		COMB2	-1.4540	-1.4423	-0.0069	-0.0040	0.0003	0.0061
	1.06	COBERT	-1.30E-01	-4.68E-04	5.53E-04		COMB3	-1.8577	-1.8460	-0.0084	-0.0055	0.0005	0.0078
	0.00	CORREAS	-1.23E-01	-5.03E-04	8.00E-06		COMB4	0.0911	0.1028	-0.0013	0.0016	-0.0004	-0.0005
3398	1.06	CORREAS	-1.23E-01	-5.03E-04	5.39E-04	3398	COMB5	-1.2235	-1.2118	-0.0061	-0.0032	0.0002	0.0051
	0.00	VIVA	-5.19E-01	-1.87E-03	2.37E-04		COMB6	-0.0243	-0.0126	-0.0018	0.0011	-0.0003	0.0000
	1.06	VIVA	-5.19E-01	-1.87E-03	2.21E-03		COMB7	-1.4423	-1.5866	-0.0065	-0.0045	0.0004	0.0067
	0.00	VIENTO	-7.50E-01	-2.70E-03	3.42E-04		COMB8	0.5064	0.5152	0.0006	0.0027	-0.0005	-0.0022
	1.06	VIENTO	-7.50E-01	-2.70E-03	3.20E-03		COMB9	-0.8176	-0.8059	-0.0046	-0.0017	0.0002	0.0039
	0.00	ESPECTRO	6.58E-02	2.89E-04	1.81E-04		COMB10	-0.4022	-0.3934	-0.0026	-0.0005	0.0001	0.0022
	1.06	ESPECTRO	6.58E-02	2.89E-04	2.91E-04								
	0.00	DEAD	-3.26E-01	-2.41E-03	-3.09E-04								
	1.05	DEAD	-3.16E-01	-3.90E-04	1.16E-03		COMB1	-0.8965	-0.8828	-0.0051	-0.0023	-0.0006	0.0033

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO AS-4 (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames													
ELE.	Stat.	OutputCase	P	V2	M3	ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
Text	m	Text	Ton	Ton	Ton-m								
3399	0.00	COBERT	-1.56E-01	-6.11E-04	-4.46E-05	3399	COMB2	-1.7683	-1.7566	-0.0083	-0.0059	-0.0008	0.0066
	1.05	COBERT	-1.56E-01	-6.11E-04	5.96E-04		COMB3	-2.2545	-2.2428	-0.0102	-0.0078	-0.0010	0.0085
	0.00	CORREAS	-1.58E-01	-6.37E-04	-8.78E-05		COMB4	0.0928	0.1045	-0.0010	0.0014	-0.0003	-0.0005
	1.05	CORREAS	-1.58E-01	-6.37E-04	5.80E-04		COMB5	-1.4907	-1.4789	-0.0072	-0.0048	-0.0007	0.0056
	0.00	VIVA	-6.25E-01	-2.44E-03	-1.78E-04		COMB6	-0.0461	-0.0344	-0.0016	0.0009	-0.0003	0.0000
	1.05	VIVA	-6.25E-01	-2.44E-03	2.38E-03		COMB7	-1.7500	-1.9303	-0.0079	-0.0066	-0.0007	0.0073
	0.00	VIENTO	-9.03E-01	-3.53E-03	-2.58E-04		COMB8	0.5974	0.6062	0.0013	0.0031	-0.0001	-0.0024
	1.05	VIENTO	-9.03E-01	-3.53E-03	3.44E-03		COMB9	-1.0034	-0.9917	-0.0053	-0.0029	-0.0005	0.0043
	0.00	ESPECTRO	7.75E-02	3.07E-04	1.12E-04		COMB10	-0.4988	-0.4900	-0.0030	-0.0012	-0.0003	0.0024
	1.05	ESPECTRO	7.75E-02	3.07E-04	3.13E-04								
3400	0.00	DEAD	-3.84E-01	-2.61E-03	-4.10E-04	3400							
	1.04	DEAD	-3.75E-01	-9.76E-04	1.46E-03		COMB1	-1.0389	-1.0252	-0.0059	-0.0036	-0.0009	0.0040
	0.00	COBERT	-1.83E-01	-7.88E-04	-1.03E-04		COMB2	-2.0625	-2.0507	-0.0101	-0.0082	-0.0015	0.0081
	1.04	COBERT	-1.83E-01	-7.88E-04	7.18E-04		COMB3	-2.6324	-2.6207	-0.0126	-0.0106	-0.0018	0.0103
	0.00	CORREAS	-1.75E-01	-8.34E-04	-1.56E-04		COMB4	0.1190	0.1307	-0.0007	0.0012	-0.0002	-0.0005
	1.04	CORREAS	-1.75E-01	-8.34E-04	7.13E-04		COMB5	-1.7370	-1.7253	-0.0087	-0.0068	-0.0013	0.0068
	0.00	VIVA	-7.32E-01	-3.15E-03	-4.12E-04		COMB6	-0.0439	-0.0322	-0.0014	0.0005	-0.0003	0.0001
	1.04	VIVA	-7.32E-01	-3.15E-03	2.87E-03		COMB7	-2.0435	-2.2544	-0.0097	-0.0090	-0.0014	0.0089
	0.00	VIENTO	-1.06E+00	-4.55E-03	-5.96E-04		COMB8	0.7078	0.7166	0.0021	0.0036	0.0002	-0.0028
	1.04	VIENTO	-1.06E+00	-4.55E-03	4.15E-03		COMB9	-1.1648	-1.1531	-0.0063	-0.0043	-0.0009	0.0053
	0.00	ESPECTRO	9.19E-02	3.81E-04	7.51E-05		COMB10	-0.5759	-0.5671	-0.0034	-0.0020	-0.0005	0.0030
	1.04	ESPECTRO	9.19E-02	3.81E-04	3.78E-04								
3401	0.00	DEAD	-4.18E-01	-2.02E-03	-5.98E-04	3401							
	1.03	DEAD	-4.13E-01	-1.39E-03	1.17E-03		COMB1	-1.1415	-1.1345	-0.0050	-0.0041	-0.0015	0.0032
	0.00	COBERT	-1.98E-01	-7.68E-04	-2.39E-04		COMB2	-2.2484	-2.2424	-0.0092	-0.0084	-0.0028	0.0063
	1.03	COBERT	-1.98E-01	-7.68E-04	5.55E-04		COMB3	-2.8659	-2.8599	-0.0116	-0.0108	-0.0036	0.0080
	0.00	CORREAS	-1.99E-01	-7.77E-04	-2.61E-04		COMB4	0.1153	0.1213	0.0000	0.0007	0.0000	-0.0003
	1.03	CORREAS	-1.99E-01	-7.77E-04	5.42E-04		COMB5	-1.8958	-1.8898	-0.0078	-0.0071	-0.0024	0.0053
	0.00	VIVA	-7.94E-01	-3.07E-03	-9.57E-04		COMB6	-0.0611	-0.0551	-0.0007	0.0000	-0.0002	0.0002
	1.03	VIVA	-7.94E-01	-3.07E-03	2.22E-03		COMB7	-2.2245	-2.4631	-0.0090	-0.0093	-0.0028	0.0069
	0.00	VIENTO	-1.15E+00	-4.44E-03	-1.38E-03		COMB8	0.7568	0.7613	0.0026	0.0031	0.0008	-0.0021
	1.03	VIENTO	-1.15E+00	-4.44E-03	3.21E-03		COMB9	-1.2725	-1.2665	-0.0054	-0.0047	-0.0017	0.0041
	0.00	ESPECTRO	1.03E-01	3.94E-04	1.09E-04		COMB10	-0.6310	-0.6266	-0.0028	-0.0022	-0.0009	0.0023
	1.03	ESPECTRO	1.03E-01	3.94E-04	2.99E-04								
3402	0.00	DEAD	-5.08E-01	-2.45E-03	-8.40E-04	3402							
	1.03	DEAD	-5.03E-01	-2.01E-03	1.45E-03		COMB1	-1.3621	-1.3551	-0.0063	-0.0057	-0.0022	0.0039
	0.00	COBERT	-2.38E-01	-1.00E-03	-3.57E-04		COMB2	-2.6920	-2.6861	-0.0118	-0.0113	-0.0042	0.0076
	1.03	COBERT	-2.38E-01	-1.00E-03	6.72E-04		COMB3	-3.4334	-3.4275	-0.0149	-0.0144	-0.0053	0.0097
	0.00	CORREAS	-2.27E-01	-1.03E-03	-3.87E-04		COMB4	0.1456	0.1516	0.0002	0.0007	0.0001	-0.0004
	1.03	CORREAS	-2.27E-01	-1.03E-03	6.65E-04		COMB5	-2.2687	-2.2628	-0.0100	-0.0095	-0.0036	0.0065
	0.00	VIVA	-9.53E-01	-4.01E-03	-1.43E-03		COMB6	-0.0662	-0.0603	-0.0007	-0.0002	-0.0002	0.0002
	1.03	VIVA	-9.53E-01	-4.01E-03	2.69E-03		COMB7	-2.6651	-2.9510	-0.0116	-0.0124	-0.0041	0.0084
	0.00	VIENTO	-1.38E+00	-5.80E-03	-2.06E-03		COMB8	0.9139	0.9184	0.0035	0.0039	0.0013	-0.0025
	1.03	VIENTO	-1.38E+00	-5.80E-03	3.89E-03		COMB9	-1.5149	-1.5089	-0.0068	-0.0063	-0.0024	0.0051
	0.00	ESPECTRO	1.29E-01	5.40E-04	1.78E-04		COMB10	-0.7466	-0.7421	-0.0035	-0.0031	-0.0012	0.0029
	1.03	ESPECTRO	1.29E-01	5.40E-04	3.77E-04								
3403	0.00	DEAD	-5.99E-01	-2.84E-03	-1.09E-03	3403							
	1.02	DEAD	-5.94E-01	-2.60E-03	1.68E-03		COMB1	-1.6124	-1.6054	-0.0074	-0.0070	-0.0029	0.0045
	0.00	COBERT	-2.78E-01	-1.23E-03	-4.78E-04		COMB2	-3.1621	-3.1561	-0.0142	-0.0139	-0.0055	0.0088
	1.02	COBERT	-2.78E-01	-1.23E-03	7.69E-04		COMB3	-4.0277	-4.0218	-0.0180	-0.0177	-0.0070	0.0111
	0.00	CORREAS	-2.75E-01	-1.20E-03	-4.85E-04		COMB4	0.1511	0.1571	0.0004	0.0007	0.0002	-0.0004
	1.02	CORREAS	-2.75E-01	-1.20E-03	7.42E-04		COMB5	-2.6678	-2.6619	-0.0120	-0.0117	-0.0047	0.0074
	0.00	VIVA	-1.11E+00	-4.90E-03	-1.91E-03		COMB6	-0.0962	-0.0903	-0.0007	-0.0004	-0.0002	0.0003
	1.02	VIVA	-1.11E+00	-4.90E-03	3.08E-03		COMB7	-3.1259	-3.4655	-0.0139	-0.0152	-0.0054	0.0096
	0.00	VIENTO	-1.61E+00	-7.08E-03	-2.76E-03		COMB8	1.0529	1.0573	0.0045	0.0047	0.0017	-0.0029
	1.02	VIENTO	-1.61E+00	-7.08E-03	4.45E-03		COMB9	-1.7811	-1.7751	-0.0081	-0.0078	-0.0032	0.0058
	0.00	ESPECTRO	1.57E-01	7.01E-04	2.65E-04		COMB10	-0.8793	-0.8748	-0.0040	-0.0038	-0.0016	0.0033
	1.02	ESPECTRO	1.57E-01	7.01E-04	4.48E-04								
3404	0.00	DEAD	-5.27E-01	-5.85E-03	-9.84E-04	3404							
	0.30	DEAD	-5.25E-01	-5.85E-03	7.69E-04		COMB1	-1.4364	-1.4344	-0.0171	-0.0171	-0.0029	0.0022
	0.00	COBERT	-2.41E-01	-2.91E-03	-4.90E-04		COMB2	-2.7710	-2.7693	-0.0333	-0.0333	-0.0056	0.0044
	0.30	COBERT	-2.41E-01	-2.91E-03	3.84E-04		COMB3	-3.5198	-3.5181	-0.0424	-0.0424	-0.0071	0.0056
	0.00	CORREAS	-2.59E-01	-3.48E-03	-5.92E-04		COMB4	0.0950	0.0968	0.0014	0.0014	0.0002	-0.0002
	0.30	CORREAS	-2.59E-01	-3.48E-03	4.53E-04		COMB5	-2.3435	-2.3417	-0.0281	-0.0281	-0.0047	0.0037
	0.00	VIVA	-9.62E-01	-1.16E-02	-1.96E-03		COMB6	-0.1190	-0.1172	-0.0012	-0.0012	-0.0002	0.0002
	0.30	VIVA	-9.62E-01	-1.16E-02	1.54E-03		COMB7	-2.7308	-3.0369	-0.0329	-0.0366	-0.0055	0.0048
	0.00	VIENTO	-1.39E+00	-1.68E-02	-2.83E-03		COMB8	0.8840	0.8853	0.0109	0.0109	0.0018	-0.0014
	0.30	VIENTO	-1.39E+00	-1.68E-02	2.22E-03		COMB9	-1.6331	-1.6314	-0.0199	-0.0199	-0.0033	0.0028
	0.00	ESPECTRO	7.93E-02	6.40E-04	1.67E-04		COMB10	-0.8441	-0.8428	-0.0104	-0.0104	-0.0017	0.0015
	0.30	ESPECTRO	7.93E-02	6.40E-04	7.38E-05								
	0.00	DEAD	-7.15E-01	-3.43E-03	-1.39E-03								
	1.01	DEAD	-7.10E-01	-3.39E-03	2.06E-03		COMB1	-1.8971	-1.8903	-0.0091	-0.0090	-0.0037	0.0054
	0.00	COBERT	-3.29E-01	-1.53E-03	-6.19E-04		COMB2	-3.7324	-3.7265	-0.0176	-0.0175	-0.0071	0.0106
	1.01	COBERT	-3.29E-01	-1.53E-03	9.27E-04		COMB3	-4.7567	-4.7508	-0.0223	-0.0223	-0.0091	0.0135
	0.00	CORREAS	-3.11E-01	-1.51E-03	-6.27E-04		COMB4	0.1880	0.1939	0.0007	0.0007	0.0002	-0.0004

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO AS-4 (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames

ELE.	Stat.	OutputCase	P	V2	M3	ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
Text	m	Text	Ton	Ton	Ton-m								
3405	1.01	CORREAS	-3.11E-01	-1.51E-03	9.02E-04	3405	COMB5	-3.1476	-3.1417	-0.0148	-0.0148	-0.0060	0.0089
	0.00	VIVA	-1.32E+00	-6.12E-03	-2.48E-03		COMB6	-0.1047	-0.0988	-0.0007	-0.0006	-0.0003	0.0004
	1.01	VIVA	-1.32E+00	-6.12E-03	3.71E-03		COMB7	-3.6920	-4.0926	-0.0173	-0.0192	-0.0070	0.0116
	0.00	VIENTO	-1.90E+00	-8.84E-03	-3.58E-03		COMB8	1.2528	1.2572	0.0057	0.0057	0.0023	-0.0035
	1.01	VIENTO	-1.90E+00	-8.84E-03	5.35E-03		COMB9	-2.0913	-2.0854	-0.0099	-0.0099	-0.0040	0.0071
	0.00	ESPECTRO	1.93E-01	9.16E-04	3.65E-04		COMB10	-1.0266	-1.0221	-0.0049	-0.0049	-0.0020	0.0041
	1.01	ESPECTRO	1.93E-01	9.16E-04	5.61E-04								
3406	0.00	DEAD	-8.29E-01	3.50E-03	1.61E-03	3406							
	1.00	DEAD	-8.25E-01	3.65E-03	-1.97E-03		COMB1	-2.2115	-2.2047	0.0094	0.0096	0.0043	-0.0052
	0.00	COBERT	-3.81E-01	1.63E-03	7.34E-04		COMB2	-4.3317	-4.3258	0.0184	0.0186	0.0084	-0.0102
	1.00	COBERT	-3.81E-01	1.63E-03	-8.97E-04		COMB3	-5.5163	-5.5105	0.0235	0.0237	0.0107	-0.0130
	0.00	CORREAS	-3.70E-01	1.56E-03	7.13E-04		COMB4	0.2026	0.2084	-0.0010	-0.0008	-0.0004	0.0005
	1.00	CORREAS	-3.70E-01	1.56E-03	-8.45E-04		COMB5	-3.6552	-3.6494	0.0156	0.0157	0.0071	-0.0086
	0.00	VIVA	-1.52E+00	6.52E-03	2.94E-03		COMB6	-0.1359	-0.1301	0.0005	0.0007	0.0003	-0.0003
	1.00	VIVA	-1.52E+00	6.52E-03	-3.59E-03		COMB7	-4.2811	-4.7492	0.0183	0.0204	0.0083	-0.0112
	0.00	VIENTO	-2.20E+00	9.41E-03	4.24E-03		COMB8	1.4377	1.4421	-0.0062	-0.0061	-0.0028	0.0034
	1.00	VIENTO	-2.20E+00	9.41E-03	-5.19E-03		COMB9	-2.4277	-2.4219	0.0123	0.0124	0.0056	-0.0057
	0.00	ESPECTRO	2.29E-01	9.81E-04	4.40E-04		COMB10	-1.1925	-1.1882	0.0070	0.0071	0.0032	-0.0028
	1.00	ESPECTRO	2.29E-01	9.81E-04	5.42E-04								
3407	0.00	DEAD	-9.96E-01	6.08E-03	2.71E-03	3407							
	0.99	DEAD	-9.88E-01	6.59E-03	-3.58E-03		COMB1	-2.6304	-2.6204	0.0165	0.0172	0.0073	-0.0095
	0.00	COBERT	-4.56E-01	2.94E-03	1.26E-03		COMB2	-5.1749	-5.1663	0.0330	0.0336	0.0143	-0.0187
	0.99	COBERT	-4.56E-01	2.94E-03	-1.66E-03		COMB3	-6.5950	-6.5863	0.0422	0.0428	0.0183	-0.0239
	0.00	CORREAS	-4.27E-01	2.78E-03	1.22E-03		COMB4	0.2605	0.2691	-0.0021	-0.0015	-0.0007	0.0010
	0.99	CORREAS	-4.27E-01	2.78E-03	-1.54E-03		COMB5	-4.3640	-4.3554	0.0278	0.0284	0.0121	-0.0158
	0.00	VIVA	-1.83E+00	1.18E-02	5.06E-03		COMB6	-0.1453	-0.1367	0.0006	0.0012	0.0004	-0.0005
	0.99	VIVA	-1.83E+00	1.18E-02	-6.63E-03		COMB7	-5.1187	-5.6738	0.0327	0.0369	0.0142	-0.0206
	0.00	VIENTO	-2.64E+00	1.70E-02	7.31E-03		COMB8	1.7367	1.7432	-0.0115	-0.0110	-0.0048	0.0064
	0.99	VIENTO	-2.64E+00	1.70E-02	-9.58E-03		COMB9	-2.8877	-2.8791	0.0218	0.0224	0.0095	-0.0105
	0.00	ESPECTRO	2.79E-01	1.74E-03	7.57E-04		COMB10	-1.4115	-1.4051	0.0124	0.0128	0.0054	-0.0051
	0.99	ESPECTRO	2.79E-01	1.74E-03	9.74E-04								
3408	0.00	DEAD	-1.12E+00	4.47E-03	2.23E-03	3408							
	0.98	DEAD	-1.11E+00	5.26E-03	-2.55E-03		COMB1	-2.9634	-2.9534	0.0122	0.0133	0.0059	-0.0066
	0.00	COBERT	-5.07E-01	2.18E-03	1.02E-03		COMB2	-5.7823	-5.7738	0.0244	0.0254	0.0116	-0.0129
	0.98	COBERT	-5.07E-01	2.18E-03	-1.12E-03		COMB3	-7.3590	-7.3505	0.0312	0.0322	0.0148	-0.0164
	0.00	CORREAS	-4.90E-01	2.07E-03	9.85E-04		COMB4	0.2526	0.2611	-0.0016	-0.0006	-0.0005	0.0005
	0.98	CORREAS	-4.90E-01	2.07E-03	-1.05E-03		COMB5	-4.8820	-4.8735	0.0205	0.0215	0.0098	-0.0109
	0.00	VIVA	-2.03E+00	8.72E-03	4.09E-03		COMB6	-0.1980	-0.1895	0.0004	0.0013	0.0004	-0.0005
	0.98	VIVA	-2.03E+00	8.72E-03	-4.50E-03		COMB7	-5.7108	-6.3373	0.0242	0.0278	0.0115	-0.0141
	0.00	VIENTO	-2.93E+00	1.26E-02	5.90E-03		COMB8	1.9008	1.9071	-0.0085	-0.0078	-0.0039	0.0042
	0.98	VIENTO	-2.93E+00	1.26E-02	-6.50E-03		COMB9	-3.2336	-3.2251	0.0162	0.0172	0.0078	-0.0072
	0.00	ESPECTRO	3.20E-01	1.40E-03	6.55E-04		COMB10	-1.5853	-1.5790	0.0093	0.0100	0.0045	-0.0035
	0.98	ESPECTRO	3.20E-01	1.40E-03	7.24E-04								
3409	0.00	DEAD	-1.24E+00	6.70E-03	3.38E-03	3409							
	0.98	DEAD	-1.23E+00	8.10E-03	-3.84E-03		COMB1	-3.2601	-3.2473	0.0184	0.0204	0.0090	-0.0099
	0.00	COBERT	-5.61E-01	3.27E-03	1.53E-03		COMB2	-6.3844	-6.3734	0.0367	0.0384	0.0175	-0.0191
	0.98	COBERT	-5.61E-01	3.27E-03	-1.66E-03		COMB3	-8.1301	-8.1191	0.0469	0.0486	0.0223	-0.0243
	0.00	CORREAS	-5.27E-01	3.19E-03	1.51E-03		COMB4	0.2976	0.3086	-0.0022	-0.0006	-0.0007	0.0006
	0.98	CORREAS	-5.27E-01	3.19E-03	-1.60E-03		COMB5	-5.3875	-5.3765	0.0309	0.0326	0.0148	-0.0162
	0.00	VIVA	-2.24E+00	1.31E-02	6.13E-03		COMB6	-0.2012	-0.1902	0.0007	0.0024	0.0006	-0.0009
	0.98	VIVA	-2.24E+00	1.31E-02	-6.62E-03		COMB7	-6.3097	-6.9973	0.0364	0.0420	0.0173	-0.0209
	0.00	VIENTO	-3.24E+00	1.89E-02	8.86E-03		COMB8	2.1181	2.1263	-0.0127	-0.0115	-0.0057	0.0061
	0.98	VIENTO	-3.24E+00	1.89E-02	-9.57E-03		COMB9	-3.5570	-3.5460	0.0244	0.0261	0.0118	-0.0107
	0.00	ESPECTRO	3.59E-01	2.12E-03	9.96E-04		COMB10	-1.7365	-1.7283	0.0140	0.0152	0.0068	-0.0053
	0.98	ESPECTRO	3.59E-01	2.12E-03	1.07E-03								
3410	0.00	DEAD	-1.35E+00	6.17E-03	3.42E-03	3410							
	0.97	DEAD	-1.34E+00	7.93E-03	-3.38E-03		COMB1	-3.5513	-3.5387	0.0172	0.0196	0.0091	-0.0087
	0.00	COBERT	-6.07E-01	3.08E-03	1.55E-03		COMB2	-6.9299	-6.9190	0.0344	0.0366	0.0177	-0.0166
	0.97	COBERT	-6.07E-01	3.08E-03	-1.43E-03		COMB3	-8.8195	-8.8087	0.0440	0.0462	0.0225	-0.0210
	0.00	CORREAS	-5.84E-01	3.01E-03	1.52E-03		COMB4	0.3029	0.3137	-0.0023	-0.0002	-0.0008	0.0004
	0.97	CORREAS	-5.84E-01	3.01E-03	-1.38E-03		COMB5	-5.8509	-5.8401	0.0290	0.0311	0.0150	-0.0140
	0.00	VIVA	-2.43E+00	1.23E-02	6.20E-03		COMB6	-0.2371	-0.2263	0.0005	0.0026	0.0006	-0.0008
	0.97	VIVA	-2.43E+00	1.23E-02	-5.71E-03		COMB7	-6.8442	-7.5944	0.0342	0.0400	0.0175	-0.0181
	0.00	VIENTO	-3.51E+00	1.78E-02	8.96E-03		COMB8	2.2782	2.2863	-0.0121	-0.0106	-0.0058	0.0052
	0.97	VIENTO	-3.51E+00	1.78E-02	-8.25E-03		COMB9	-3.8650	-3.8542	0.0229	0.0250	0.0119	-0.0093
	0.00	ESPECTRO	3.93E-01	2.05E-03	1.03E-03		COMB10	-1.8897	-1.8816	0.0131	0.0147	0.0069	-0.0046
	0.97	ESPECTRO	3.93E-01	2.05E-03	9.43E-04								
3411	0.00	DEAD	-1.49E+00	1.02E-02	4.86E-03	3411							
	0.96	DEAD	-1.48E+00	1.28E-02	-6.17E-03		COMB1	-3.9242	-3.9090	0.0285	0.0321	0.0130	-0.0161
	0.00	COBERT	-6.76E-01	5.19E-03	2.23E-03		COMB2	-7.6912	-7.6782	0.0577	0.0608	0.0254	-0.0313
	0.96	COBERT	-6.76E-01	5.19E-03	-2.74E-03		COMB3	-9.7957	-9.7827	0.0739	0.0769	0.0323	-0.0398
	0.00	CORREAS	-6.33E-01	4.95E-03	2.17E-03		COMB4	0.3637	0.3767	-0.0042	-0.0011	-0.0012	0.0013
	0.96	CORREAS	-6.33E-01	4.95E-03	-2.56E-03		COMB5	-6.4896	-6.4766	0.0485	0.0516	0.0214	-0.0264
	0.00	VIVA	-2.70E+00	2.08E-02	8.92E-03		COMB6	-0.2376	-0.2246	0.0005	0.0036	0.0008	-0.0011
	0.96	VIVA	-2.70E+00	2.08E-02	-1.09E-02		COMB7	-7.6024	-8.4303	0.0574	0.0666	0.0251	-0.0343

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO AS-4 (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames					
ELE.	Stat.	OutputCase	P	V2	M3
Text	m	Text	Ton	Ton	Ton-m
	0.00	VIENTO	-3.91E+00	3.00E-02	1.29E-02
	0.96	VIENTO	-3.91E+00	3.00E-02	-1.58E-02
	0.00	ESPECTRO	4.41E-01	3.48E-03	1.50E-03
	0.96	ESPECTRO	4.41E-01	3.48E-03	1.83E-03
	0.00	DEAD	-6.91E-01	4.71E-03	3.46E-03
	0.85	DEAD	-6.83E-01	5.03E-03	-6.73E-04
	0.00	COBERT	-3.16E-01	2.11E-03	1.64E-03
	0.85	COBERT	-3.16E-01	2.11E-03	-1.50E-04
	0.00	CORREAS	-3.00E-01	2.27E-03	1.57E-03
3412	0.85	CORREAS	-3.00E-01	2.27E-03	-3.55E-04
	0.00	VIVA	-1.26E+00	8.43E-03	6.55E-03
	0.85	VIVA	-1.26E+00	8.43E-03	-6.00E-04
	0.00	VIENTO	-1.82E+00	1.22E-02	9.47E-03
	0.85	VIENTO	-1.82E+00	1.22E-02	-8.66E-04
	0.00	ESPECTRO	2.08E-01	1.07E-03	9.16E-04
	0.85	ESPECTRO	2.08E-01	1.07E-03	4.46E-04

ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
	COMB8	2.5570	2.5668	-0.0207	-0.0183	-0.0084	0.0102
	COMB9	-4.2749	-4.2619	0.0383	0.0414	0.0171	-0.0174
	COMB10	-2.0817	-2.0719	0.0218	0.0242	0.0098	-0.0085
	COMB1	-1.8284	-1.8176	0.0127	0.0132	0.0093	-0.0016
	COMB2	-3.5877	-3.5784	0.0244	0.0248	0.0185	-0.0024
	COMB3	-4.5703	-4.5610	0.0310	0.0313	0.0236	-0.0028
	COMB4	0.1730	0.1823	-0.0007	-0.0003	-0.0010	-0.0006
3412	COMB5	-3.0267	-3.0174	0.0206	0.0210	0.0156	-0.0021
	COMB6	-0.1077	-0.0985	0.0012	0.0016	0.0004	-0.0007
	COMB7	-3.5471	-3.9296	0.0240	0.0271	0.0183	-0.0025
	COMB8	1.1962	1.2032	-0.0077	-0.0074	-0.0063	0.0001
	COMB9	-1.9909	-1.9816	0.0162	0.0166	0.0122	-0.0013
	COMB10	-0.9677	-0.9607	0.0092	0.0095	0.0069	-0.0006

BRIDAS SUPERIORES						
MAX. VALOR:	16.6647	16.6685	0.3919	0.3979	0.0234	0.3777
MIN. VALOR:	-13.3902	-13.3877	-1.4394	-1.4314	-0.0881	-0.1048
BRIDAS INFERIORES						
MAX. VALOR:	9.8460	9.8388	3.0305	3.0311	0.0698	0.0528
MIN. VALOR:	-38.3004	-38.3100	-0.7999	-0.7995	-0.0660	-0.0561
MONTANTES						
MAX. VALOR:	7.9855	7.9767	0.1212	0.1251	0.0546	0.0216
MIN. VALOR:	-2.2216	-2.2285	-0.0436	-0.0408	-0.0163	-0.0442
DIAGONALES						
MAX. VALOR:	2.7876	2.7990	0.0739	0.0769	0.0323	0.0135
MIN. VALOR:	-9.7957	-9.7827	-0.0424	-0.0424	-0.0091	-0.0398

ARCO METALICO AS-5

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO AS-5 (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames													
ELE.	Stat.	OutputCase	P	V2	M3	ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
Text	m	Text	Ton	Ton	Ton-m								
BRIDAS SUPERIORES						BRIDAS SUPERIORES							
	0.00	DEAD	-5.82E-02	7.49E-04	4.72E-04								
	0.66	DEAD	-5.30E-02	4.20E-03	-1.16E-03		COMB1	-0.0293	-0.0219	0.0033	0.0081	0.0010	-0.0028
	0.00	COBERT	4.15E-02	1.09E-03	2.05E-04		COMB2	0.2405	0.2468	0.0098	0.0139	0.0022	-0.0057
	0.66	COBERT	4.15E-02	1.09E-03	-5.14E-04		COMB3	0.3696	0.3759	0.0132	0.0173	0.0028	-0.0073
	0.00	CORREAS	-4.19E-03	5.10E-04	2.97E-05		COMB4	-0.2538	-0.2475	-0.0032	0.0009	-0.0003	0.0005
1331	0.66	CORREAS	-4.19E-03	5.10E-04	-3.07E-04	1331	COMB5	0.1667	0.1730	0.0079	0.0120	0.0018	-0.0048
	0.00	VIVA	1.66E-01	4.36E-03	8.22E-04		COMB6	-0.2169	-0.2106	-0.0022	0.0019	-0.0001	0.0000
	0.66	VIVA	1.66E-01	4.36E-03	-2.06E-03		COMB7	0.2929	0.2929	0.0103	0.0151	0.0022	-0.0062
	0.00	VIENTO	2.40E-01	6.30E-03	1.19E-03		COMB8	-0.3306	-0.3258	-0.0061	-0.0030	-0.0009	0.0021
	0.66	VIENTO	2.40E-01	6.30E-03	-2.97E-03		COMB9	0.0787	0.0850	0.0053	0.0094	0.0013	-0.0033
	0.00	ESPECTRO	2.08E-02	2.99E-04	5.68E-05		COMB10	0.0020	0.0067	0.0024	0.0055	0.0007	-0.0016
	0.66	ESPECTRO	2.08E-02	2.99E-04	1.42E-04								
	0.00	DEAD	1.63E-02	-4.05E-03	-1.63E-03								
	0.55	DEAD	2.05E-02	-1.01E-03	-2.49E-04		COMB1	0.2724	0.2783	-0.0093	-0.0050	-0.0041	-0.0002
	0.00	COBERT	1.37E-01	-9.88E-04	-5.38E-04		COMB2	1.1102	1.1152	-0.0143	-0.0106	-0.0070	-0.0002
	0.55	COBERT	1.37E-01	-9.88E-04	3.86E-07		COMB3	1.5365	1.5416	-0.0173	-0.0137	-0.0087	-0.0002
	0.00	CORREAS	4.13E-02	-1.58E-03	-7.87E-04		COMB4	-0.5216	-0.5165	-0.0025	0.0012	-0.0006	-0.0002
1332	0.55	CORREAS	4.13E-02	-1.58E-03	7.55E-05	1332	COMB5	0.8668	0.8718	-0.0125	-0.0089	-0.0060	-0.0002
	0.00	VIVA	5.48E-01	-3.95E-03	-2.15E-03		COMB6	-0.3997	-0.3947	-0.0034	0.0003	-0.0011	-0.0002
	0.55	VIVA	5.48E-01	-3.95E-03	1.54E-06		COMB7	1.2042	1.2676	-0.0134	-0.0117	-0.0067	-0.0002
	0.00	VIENTO	7.92E-01	-5.71E-03	-3.11E-03		COMB8	-0.8539	-0.8501	0.0015	0.0042	0.0014	-0.0002
	0.55	VIENTO	7.92E-01	-5.71E-03	2.23E-06		COMB9	0.5114	0.5165	-0.0092	-0.0056	-0.0042	-0.0002
	0.00	ESPECTRO	3.94E-03	7.02E-04	3.79E-04		COMB10	0.1791	0.1829	-0.0053	-0.0025	-0.0023	-0.0001
	0.55	ESPECTRO	3.94E-03	7.02E-04	1.12E-05								
	0.00	DEAD	3.82E-02	-7.19E-03	-2.01E-03								
	0.54	DEAD	4.23E-02	-3.98E-03	1.03E-03		COMB1	0.3143	0.3200	-0.0194	-0.0149	-0.0059	0.0034
	0.00	COBERT	1.41E-01	-3.27E-03	-1.10E-03		COMB2	1.1729	1.1778	-0.0375	-0.0337	-0.0121	0.0073
	0.54	COBERT	1.41E-01	-3.27E-03	6.81E-04		COMB3	1.6122	1.6171	-0.0477	-0.0439	-0.0155	0.0094
	0.00	CORREAS	4.51E-02	-3.40E-03	-1.11E-03		COMB4	-0.5088	-0.5039	0.0014	0.0052	0.0010	-0.0008
1333	0.54	CORREAS	4.51E-02	-3.40E-03	7.43E-04	1333	COMB5	0.9220	0.9269	-0.0317	-0.0279	-0.0101	0.0061
	0.00	VIVA	5.65E-01	-1.31E-02	-4.40E-03		COMB6	-0.3832	-0.3784	-0.0015	0.0023	0.0000	-0.0002
	0.54	VIVA	5.65E-01	-1.31E-02	2.72E-03		COMB7	1.2626	1.3348	-0.0370	-0.0373	-0.0121	0.0081
	0.00	VIENTO	8.16E-01	-1.89E-02	-6.36E-03		COMB8	-0.8585	-0.8548	0.0121	0.0150	0.0045	-0.0029
	0.54	VIENTO	8.16E-01	-1.89E-02	3.93E-03		COMB9	0.5895	0.5943	-0.0220	-0.0181	-0.0068	0.0045
	0.00	ESPECTRO	3.77E-02	1.18E-03	4.23E-04		COMB10	0.2398	0.2434	-0.0113	-0.0084	-0.0034	0.0024
	0.54	ESPECTRO	3.77E-02	1.18E-03	2.22E-04								
	0.00	DEAD	2.42E-01	-5.97E-03	-1.27E-03								
	0.54	DEAD	2.46E-01	-2.59E-03	1.06E-03		COMB1	0.8281	0.8336	-0.0153	-0.0105	-0.0037	0.0033
	0.00	COBERT	2.09E-01	-2.52E-03	-7.27E-04		COMB2	2.0462	2.0509	-0.0292	-0.0252	-0.0078	0.0070
	0.54	COBERT	2.09E-01	-2.52E-03	6.44E-04		COMB3	2.6961	2.7008	-0.0370	-0.0330	-0.0101	0.0090
	0.00	CORREAS	1.41E-01	-2.42E-03	-6.58E-04		COMB4	-0.4412	-0.4365	0.0008	0.0048	0.0008	-0.0007
1334	0.54	CORREAS	1.41E-01	-2.42E-03	6.60E-04	1334	COMB5	1.6751	1.6798	-0.0247	-0.0207	-0.0066	0.0058
	0.00	VIVA	8.35E-01	-1.01E-02	-2.91E-03		COMB6	-0.2555	-0.2508	-0.0014	0.0026	0.0002	-0.0001
	0.54	VIVA	8.35E-01	-1.01E-02	2.57E-03		COMB7	2.1010	2.2832	-0.0287	-0.0280	-0.0079	0.0077
	0.00	VIENTO	1.21E+00	-1.46E-02	-4.20E-03		COMB8	-1.0363	-1.0328	0.0091	0.0121	0.0031	-0.0027
	0.54	VIENTO	1.21E+00	-1.46E-02	3.72E-03		COMB9	1.2534	1.2581	-0.0172	-0.0132	-0.0044	0.0044
	0.00	ESPECTRO	1.26E-01	9.16E-04	2.49E-04		COMB10	0.6583	0.6618	-0.0089	-0.0059	-0.0021	0.0024
	0.54	ESPECTRO	1.26E-01	9.16E-04	2.50E-04								
	0.00	DEAD	4.78E-01	-6.41E-03	-1.25E-03								
	0.54	DEAD	4.82E-01	-2.87E-03	1.28E-03		COMB1	1.4616	1.4669	-0.0166	-0.0117	-0.0037	0.0040
	0.00	COBERT	3.27E-01	-2.59E-03	-6.74E-04		COMB2	3.3458	3.3503	-0.0308	-0.0266	-0.0075	0.0081
	0.54	COBERT	3.27E-01	-2.59E-03	7.35E-04		COMB3	4.3636	4.3682	-0.0389	-0.0346	-0.0096	0.0104
	0.00	CORREAS	2.39E-01	-2.87E-03	-7.24E-04		COMB4	-0.5500	-0.5454	0.0000	0.0043	0.0005	-0.0006
1335	0.54	CORREAS	2.39E-01	-2.87E-03	8.37E-04	1335	COMB5	2.7646	2.7692	-0.0262	-0.0220	-0.0063	0.0068
	0.00	VIVA	1.31E+00	-1.04E-02	-2.70E-03		COMB6	-0.2591	-0.2546	-0.0023	0.0020	-0.0001	0.0000
	0.54	VIVA	1.31E+00	-1.04E-02	2.94E-03		COMB7	3.3964	3.7141	-0.0301	-0.0295	-0.0074	0.0089
	0.00	VIENTO	1.89E+00	-1.50E-02	-3.90E-03		COMB8	-1.5172	-1.5138	0.0088	0.0120	0.0027	-0.0030
	0.54	VIENTO	1.89E+00	-1.50E-02	4.25E-03		COMB9	2.1242	2.1287	-0.0183	-0.0141	-0.0043	0.0052
	0.00	ESPECTRO	2.17E-01	1.08E-03	2.61E-04		COMB10	1.1569	1.1603	-0.0096	-0.0064	-0.0021	0.0029
	0.54	ESPECTRO	2.17E-01	1.08E-03	3.24E-04								
	0.00	DEAD	6.51E-01	-6.43E-03	-1.10E-03								
	0.54	DEAD	6.54E-01	-2.74E-03	1.39E-03		COMB1	1.9653	1.9704	-0.0161	-0.0110	-0.0032	0.0042
	0.00	COBERT	4.35E-01	-2.60E-03	-6.05E-04		COMB2	4.4663	4.4707	-0.0305	-0.0261	-0.0066	0.0088
	0.54	COBERT	4.35E-01	-2.60E-03	8.08E-04		COMB3	5.8190	5.8234	-0.0386	-0.0341	-0.0085	0.0113
	0.00	CORREAS	3.19E-01	-2.50E-03	-5.61E-04		COMB4	-0.7113	-0.7069	0.0005	0.0049	0.0006	-0.0009
1336	0.54	CORREAS	3.19E-01	-2.50E-03	7.96E-04	1336	COMB5	3.6939	3.6983	-0.0259	-0.0214	-0.0055	0.0073
	0.00	VIVA	1.74E+00	-1.04E-02	-2.42E-03		COMB6	-0.3248	-0.3204	-0.0018	0.0026	0.0001	-0.0001
	0.54	VIVA	1.74E+00	-1.04E-02	3.23E-03		COMB7	4.5286	4.9541	-0.0299	-0.0289	-0.0066	0.0097
	0.00	VIENTO	2.51E+00	-1.50E-02	-3.50E-03		COMB8	-2.0017	-1.9985	0.0092	0.0125	0.0025	-0.0034
	0.54	VIENTO	2.51E+00	-1.50E-02	4.67E-03		COMB9	2.8330	2.8374	-0.0179	-0.0135	-0.0037	0.0056
	0.00	ESPECTRO	2.79E-01	1.12E-03	2.39E-04		COMB10	1.5426	1.5458	-0.0093	-0.0059	-0.0018	0.0031
	0.54	ESPECTRO	2.79E-01	1.12E-03	3.69E-04								
	0.00	DEAD	6.93E-01	-6.16E-03	-9.47E-04								
	0.54	DEAD	6.97E-01	-2.33E-03	1.36E-03		COMB1	2.1009	2.1058	-0.0159	-0.0105	-0.0029	0.0043
	0.00	COBERT	4.78E-01	-2.54E-03	-5.62E-04		COMB2	4.8570	4.8612	-0.0299	-0.0253	-0.0061	0.0089

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO AS-5 (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames													
ELE.	Stat.	OutputCase	P	V2	M3	ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
Text	m	Text	Ton	Ton	Ton-m								
1337	0.54	COBERT	4.78E-01	-2.54E-03	8.17E-04	1337	COMB3	6.3432	6.3474	-0.0378	-0.0332	-0.0078	0.0114
	0.00	CORREAS	3.30E-01	-2.64E-03	-5.71E-04		COMB4	-0.8315	-0.8274	0.0004	0.0050	0.0006	-0.0009
	0.54	CORREAS	3.30E-01	-2.64E-03	8.64E-04		COMB5	4.0084	4.0126	-0.0253	-0.0208	-0.0051	0.0074
	0.00	VIVA	1.91E+00	-1.02E-02	-2.25E-03		COMB6	-0.4068	-0.4027	-0.0019	0.0027	0.0001	-0.0001
	0.54	VIVA	1.91E+00	-1.02E-02	3.27E-03		COMB7	4.9380	5.3923	-0.0293	-0.0281	-0.0061	0.0098
	0.00	VIENTO	2.76E+00	-1.47E-02	-3.25E-03		COMB8	-2.2368	-2.2337	0.0089	0.0123	0.0023	-0.0034
	0.54	VIENTO	2.76E+00	-1.47E-02	4.72E-03		COMB9	3.0463	3.0504	-0.0176	-0.0130	-0.0034	0.0056
	0.00	ESPECTRO	2.90E-01	1.07E-03	2.17E-04		COMB10	1.6410	1.6441	-0.0091	-0.0057	-0.0017	0.0031
	0.54	ESPECTRO	2.90E-01	1.07E-03	3.65E-04								
1338	0.00	DEAD	6.03E-01	-5.23E-03	-6.49E-04	1338							
	0.54	DEAD	6.06E-01	-1.27E-03	1.11E-03		COMB1	1.8816	1.8863	-0.0129	-0.0074	-0.0020	0.0035
	0.00	COBERT	4.49E-01	-2.16E-03	-4.49E-04		COMB2	4.4864	4.4903	-0.0249	-0.0201	-0.0046	0.0076
	0.54	COBERT	4.49E-01	-2.16E-03	7.23E-04		COMB3	5.8837	5.8877	-0.0316	-0.0269	-0.0060	0.0099
	0.00	CORREAS	2.92E-01	-1.83E-03	-3.35E-04		COMB4	-0.8621	-0.8581	0.0008	0.0056	0.0008	-0.0010
	0.54	CORREAS	2.92E-01	-1.83E-03	6.60E-04		COMB5	3.6885	3.6925	-0.0211	-0.0163	-0.0038	0.0063
	0.00	VIVA	1.80E+00	-8.64E-03	-1.80E-03		COMB6	-0.4628	-0.4588	-0.0011	0.0037	0.0004	-0.0003
	0.54	VIVA	1.80E+00	-8.64E-03	2.89E-03		COMB7	4.5826	4.9897	-0.0245	-0.0226	-0.0047	0.0084
	0.00	VIENTO	2.59E+00	-1.25E-02	-2.60E-03		COMB8	-2.1633	-2.1603	0.0079	0.0115	0.0021	-0.0032
	0.54	VIENTO	2.59E+00	-1.25E-02	4.18E-03		COMB9	2.7627	2.7667	-0.0146	-0.0098	-0.0025	0.0047
	0.00	ESPECTRO	2.52E-01	8.00E-04	1.43E-04		COMB10	1.4615	1.4645	-0.0075	-0.0039	-0.0011	0.0025
	0.54	ESPECTRO	2.52E-01	8.00E-04	2.92E-04								
1339	0.00	DEAD	4.06E-01	-3.96E-03	-2.47E-04	1339							
	0.54	DEAD	4.09E-01	1.37E-04	7.87E-04		COMB1	1.3572	1.3616	-0.0098	-0.0041	-0.0010	0.0027
	0.00	COBERT	3.67E-01	-1.53E-03	-2.64E-04		COMB2	3.5109	3.5147	-0.0182	-0.0133	-0.0026	0.0059
	0.54	COBERT	3.67E-01	-1.53E-03	5.62E-04		COMB3	4.6526	4.6563	-0.0229	-0.0180	-0.0034	0.0077
	0.00	CORREAS	1.97E-01	-1.54E-03	-2.37E-04		COMB4	-0.8586	-0.8549	0.0000	0.0049	0.0006	-0.0008
	0.54	CORREAS	1.97E-01	-1.54E-03	5.98E-04		COMB5	2.8591	2.8629	-0.0155	-0.0106	-0.0021	0.0049
	0.00	VIVA	1.47E+00	-6.10E-03	-1.06E-03		COMB6	-0.5324	-0.5286	-0.0014	0.0035	0.0003	-0.0003
	0.54	VIVA	1.47E+00	-6.10E-03	2.25E-03		COMB7	3.6281	3.9227	-0.0178	-0.0150	-0.0027	0.0066
	0.00	VIENTO	2.12E+00	-8.81E-03	-1.53E-03		COMB8	-1.8831	-1.8803	0.0051	0.0088	0.0013	-0.0025
	0.54	VIENTO	2.12E+00	-8.81E-03	3.25E-03		COMB9	2.0705	2.0743	-0.0110	-0.0061	-0.0014	0.0037
	0.00	ESPECTRO	1.74E-01	5.11E-04	5.36E-05		COMB10	1.0461	1.0489	-0.0058	-0.0021	-0.0006	0.0020
	0.54	ESPECTRO	1.74E-01	5.11E-04	2.31E-04								
1340	0.00	DEAD	1.41E-01	-2.35E-03	2.62E-04	1340							
	0.54	DEAD	1.44E-01	1.87E-03	3.92E-04		COMB1	0.6591	0.6633	-0.0053	0.0006	0.0004	0.0016
	0.00	COBERT	2.50E-01	-9.53E-04	-7.90E-05		COMB2	2.1632	2.1668	-0.0106	-0.0055	-0.0002	0.0042
	0.54	COBERT	2.50E-01	-9.53E-04	4.37E-04		COMB3	2.9404	2.9440	-0.0136	-0.0085	-0.0004	0.0055
	0.00	CORREAS	7.96E-02	-4.53E-04	8.02E-05		COMB4	-0.8116	-0.8081	0.0008	0.0058	0.0008	-0.0010
	0.54	CORREAS	7.96E-02	-4.53E-04	3.25E-04		COMB5	1.7194	1.7230	-0.0089	-0.0039	0.0000	0.0034
	0.00	VIVA	9.99E-01	-3.81E-03	-3.16E-04		COMB6	-0.5895	-0.5860	-0.0001	0.0050	0.0007	-0.0006
	0.54	VIVA	9.99E-01	-3.81E-03	1.75E-03		COMB7	2.2997	2.4445	-0.0105	-0.0066	-0.0004	0.0047
	0.00	VIENTO	1.44E+00	-5.51E-03	-4.56E-04		COMB8	-1.4523	-1.4497	0.0038	0.0076	0.0008	-0.0022
	0.54	VIENTO	1.44E+00	-5.51E-03	2.52E-03		COMB9	1.1409	1.1444	-0.0060	-0.0009	0.0004	0.0023
	0.00	ESPECTRO	7.64E-02	4.17E-04	2.15E-04		COMB10	0.5002	0.5028	-0.0030	0.0008	0.0005	0.0011
	0.54	ESPECTRO	7.64E-02	4.17E-04	6.57E-05								
1341	0.00	DEAD	-1.53E-01	-2.79E-04	8.87E-04	1341							
	0.54	DEAD	-1.50E-01	4.05E-03	-1.33E-04		COMB1	-0.1470	-0.1431	-0.0001	0.0060	0.0020	0.0004
	0.00	COBERT	1.07E-01	1.31E-04	2.55E-04		COMB2	0.5574	0.5608	0.0007	0.0059	0.0033	0.0015
	0.54	COBERT	1.07E-01	1.31E-04	1.85E-04		COMB3	0.8898	0.8931	0.0011	0.0063	0.0041	0.0021
	0.00	CORREAS	-5.86E-02	7.26E-05	2.64E-04		COMB4	-0.7146	-0.7113	-0.0008	0.0044	0.0003	-0.0007
	0.54	CORREAS	-5.86E-02	7.26E-05	2.25E-04		COMB5	0.3677	0.3710	0.0005	0.0057	0.0029	0.0012
	0.00	VIVA	4.27E-01	5.22E-04	1.02E-03		COMB6	-0.6197	-0.6163	-0.0007	0.0045	0.0005	-0.0005
	0.54	VIVA	4.27E-01	5.22E-04	7.38E-04		COMB7	0.7077	0.6796	0.0009	0.0061	0.0032	0.0017
	0.00	VIENTO	6.17E-01	7.54E-04	1.47E-03		COMB8	-0.8967	-0.8942	-0.0010	0.0028	-0.0007	-0.0011
	0.54	VIENTO	6.17E-01	7.54E-04	1.07E-03		COMB9	0.1686	0.1719	0.0009	0.0061	0.0025	0.0008
	0.00	ESPECTRO	8.10E-02	7.62E-04	3.13E-04		COMB10	-0.0135	-0.0110	0.0007	0.0046	0.0016	0.0004
	0.54	ESPECTRO	8.10E-02	7.62E-04	1.04E-04								
1342	0.00	DEAD	-4.77E-01	1.50E-03	1.35E-03	1342							
	0.54	DEAD	-4.75E-01	5.94E-03	-6.60E-04		COMB1	-1.0446	-1.0409	0.0056	0.0118	0.0035	-0.0013
	0.00	COBERT	-6.60E-02	1.03E-03	4.83E-04		COMB2	-1.3180	-1.3149	0.0114	0.0167	0.0061	-0.0015
	0.54	COBERT	-6.60E-02	1.03E-03	-7.26E-05		COMB3	-1.5236	-1.5204	0.0146	0.0199	0.0076	-0.0018
	0.00	CORREAS	-2.03E-01	1.50E-03	6.37E-04		COMB4	-0.5313	-0.5282	-0.0008	0.0045	0.0003	-0.0007
	0.54	CORREAS	-2.03E-01	1.50E-03	-1.71E-04		COMB5	-1.2007	-1.1975	0.0096	0.0149	0.0052	-0.0014
	0.00	VIVA	-2.64E-01	4.12E-03	1.93E-03		COMB6	-0.5900	-0.5869	0.0001	0.0054	0.0007	-0.0007
	0.54	VIVA	-2.64E-01	4.12E-03	-2.90E-04		COMB7	-1.1676	-1.3883	0.0114	0.0179	0.0059	-0.0016
	0.00	VIENTO	-3.82E-01	5.95E-03	2.79E-03		COMB8	-0.1754	-0.1730	-0.0041	-0.0001	-0.0014	-0.0003
	0.54	VIENTO	-3.82E-01	5.95E-03	-4.20E-04		COMB9	-0.8194	-0.8162	0.0081	0.0134	0.0044	-0.0010
	0.00	ESPECTRO	2.08E-01	1.20E-03	4.32E-04		COMB10	-0.4634	-0.4611	0.0048	0.0088	0.0027	-0.0006
	0.54	ESPECTRO	2.08E-01	1.20E-03	2.17E-04								
1343	0.00	DEAD	-7.57E-01	2.77E-03	1.74E-03	1343							
	0.54	DEAD	-7.54E-01	7.31E-03	-9.77E-04		COMB1	-1.8293	-1.8260	0.0084	0.0147	0.0043	-0.0019
	0.00	COBERT	-2.16E-01	1.66E-03	6.82E-04		COMB2	-2.9515	-2.9486	0.0178	0.0232	0.0081	-0.0030
	0.54	COBERT	-2.16E-01	1.66E-03	-2.14E-04		COMB3	-3.6243	-3.6214	0.0230	0.0284	0.0102	-0.0037
	0.00	CORREAS	-3.34E-01	1.53E-03	6.68E-04		COMB4	-0.3764	-0.3735	-0.0020	0.0035	0.0000	-0.0004
	0.54	CORREAS	-3.34E-01	1.53E-03	-1.59E-04		COMB5	-2.5673	-2.5644	0.0148	0.0203	0.0069	-0.0026
	0.00	VIVA	-8.65E-01	6.64E-03	2.73E-03		COMB6	-0.5687	-0.5658	-0.0005	0.0049	0.0006	-0.0006

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO AS-5 (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames													
ELE.	Stat.	OutputCase	P	V2	M3	ELE.	COMB	Pu_1	Pu_2	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1	Mu_2
Text	m	Text	Ton	Ton	Ton-m			(Ton)	(Ton)			(Ton.m)	(Ton.m)
	0.54	VIVA	-8.65E-01	6.64E-03	-8.57E-04		COMB7	-2.7999	-3.1890	0.0178	0.0251	0.0079	-0.0032
	0.00	VIENTO	-1.25E+00	9.59E-03	3.94E-03		COMB8	0.4479	0.4501	-0.0071	-0.0030	-0.0023	0.0004
	0.54	VIENTO	-1.25E+00	9.59E-03	-1.24E-03		COMB9	-1.6665	-1.6636	0.0118	0.0173	0.0056	-0.0018
	0.00	ESPECTRO	3.34E-01	1.34E-03	4.99E-04		COMB10	-0.8421	-0.8400	0.0067	0.0108	0.0033	-0.0010
	0.54	ESPECTRO	3.34E-01	1.34E-03	2.25E-04								
	0.00	DEAD	-1.13E+00	4.49E-03	2.16E-03								
	0.54	DEAD	-1.13E+00	9.12E-03	-1.51E-03		COMB1	-2.7702	-2.7671	0.0143	0.0208	0.0057	-0.0037
	0.00	COBERT	-3.48E-01	2.74E-03	9.01E-04		COMB2	-4.6008	-4.5981	0.0298	0.0353	0.0107	-0.0069
	0.54	COBERT	-3.48E-01	2.74E-03	-5.75E-04		COMB3	-5.6834	-5.6808	0.0383	0.0439	0.0135	-0.0087
	0.00	CORREAS	-5.01E-01	2.99E-03	1.04E-03		COMB4	-0.4569	-0.4543	-0.0028	0.0027	-0.0001	0.0000
1344	0.54	CORREAS	-5.01E-01	2.99E-03	-5.74E-04	1344	COMB5	-3.9826	-3.9799	0.0249	0.0305	0.0091	-0.0059
	0.00	VIVA	-1.39E+00	1.10E-02	3.61E-03		COMB6	-0.7663	-0.7636	-0.0004	0.0052	0.0007	-0.0005
	0.54	VIVA	-1.39E+00	1.10E-02	-2.30E-03		COMB7	-4.3941	-4.9850	0.0298	0.0384	0.0105	-0.0075
	0.00	VIENTO	-2.01E+00	1.58E-02	5.21E-03		COMB8	0.8324	0.8344	-0.0114	-0.0072	-0.0031	0.0019
	0.54	VIENTO	-2.01E+00	1.58E-02	-3.32E-03		COMB9	-2.5738	-2.5712	0.0196	0.0251	0.0073	-0.0040
	0.00	ESPECTRO	4.96E-01	1.84E-03	5.98E-04		COMB10	-1.2845	-1.2825	0.0110	0.0152	0.0043	-0.0020
	0.54	ESPECTRO	4.96E-01	1.84E-03	3.92E-04								
	0.00	DEAD	-1.29E+00	9.74E-03	3.75E-03								
	0.54	DEAD	-1.29E+00	1.44E-02	-2.77E-03		COMB1	-3.1401	-3.1372	0.0267	0.0333	0.0096	-0.0065
	0.00	COBERT	-3.76E-01	4.61E-03	1.56E-03		COMB2	-5.0981	-5.0956	0.0524	0.0580	0.0183	-0.0115
	0.54	COBERT	-3.76E-01	4.61E-03	-9.21E-04		COMB3	-6.2684	-6.2659	0.0667	0.0723	0.0231	-0.0143
	0.00	CORREAS	-5.77E-01	4.70E-03	1.58E-03		COMB4	-0.6187	-0.6163	-0.0026	0.0031	-0.0003	-0.0005
1345	0.54	CORREAS	-5.77E-01	4.70E-03	-9.49E-04	1345	COMB5	-4.4298	-4.4274	0.0442	0.0498	0.0155	-0.0098
	0.00	VIVA	-1.50E+00	1.84E-02	6.25E-03		COMB6	-0.9531	-0.9507	0.0015	0.0072	0.0010	-0.0013
	0.54	VIVA	-1.50E+00	1.84E-02	-3.68E-03		COMB7	-4.8434	-5.5139	0.0518	0.0631	0.0179	-0.0125
	0.00	VIENTO	-2.17E+00	2.66E-02	9.03E-03		COMB8	0.8062	0.8081	-0.0175	-0.0132	-0.0055	0.0027
	0.54	VIENTO	-2.17E+00	2.66E-02	-5.32E-03		COMB9	-2.8737	-2.8713	0.0350	0.0407	0.0125	-0.0069
	0.00	ESPECTRO	5.70E-01	2.95E-03	1.06E-03		COMB10	-1.4488	-1.4469	0.0201	0.0243	0.0073	-0.0036
	0.54	ESPECTRO	5.70E-01	2.95E-03	5.36E-04								
	0.00	DEAD	-1.42E+00	1.08E-03	1.38E-03								
	0.54	DEAD	-1.42E+00	5.86E-03	-4.88E-04		COMB1	-3.5024	-3.4999	0.0054	0.0121	0.0038	-0.0009
	0.00	COBERT	-4.41E-01	8.54E-04	5.34E-04		COMB2	-5.8239	-5.8217	0.0101	0.0158	0.0066	-0.0003
	0.54	COBERT	-4.41E-01	8.54E-04	7.45E-05		COMB3	-7.1962	-7.1940	0.0127	0.0185	0.0083	-0.0001
	0.00	CORREAS	-6.39E-01	1.92E-03	7.77E-04		COMB4	-0.5716	-0.5694	-0.0001	0.0057	0.0003	-0.0012
1346	0.54	CORREAS	-6.39E-01	1.92E-03	-2.55E-04	1346	COMB5	-5.0404	-5.0382	0.0086	0.0143	0.0057	-0.0005
	0.00	VIVA	-1.76E+00	3.41E-03	2.14E-03		COMB6	-0.9638	-0.9616	0.0007	0.0064	0.0008	-0.0011
	0.54	VIVA	-1.76E+00	3.41E-03	2.98E-04		COMB7	-5.5638	-6.3122	0.0099	0.0168	0.0064	-0.0002
	0.00	VIENTO	-2.55E+00	4.93E-03	3.08E-03		COMB8	1.0607	1.0624	-0.0029	0.0014	-0.0016	-0.0012
	0.54	VIENTO	-2.55E+00	4.93E-03	4.31E-04		COMB9	-3.2153	-3.2131	0.0072	0.0129	0.0047	-0.0006
	0.00	ESPECTRO	6.69E-01	8.82E-04	4.42E-04		COMB10	-1.5830	-1.5813	0.0043	0.0087	0.0029	-0.0006
	0.54	ESPECTRO	6.69E-01	8.82E-04	4.50E-05								
	0.00	DEAD	-1.39E+00	-3.40E-04	1.72E-03								
	0.24	DEAD	-1.39E+00	1.84E-03	1.54E-03		COMB1	-3.5145	-3.5134	0.0037	0.0068	0.0048	0.0035
	0.00	COBERT	-4.85E-01	3.74E-03	1.11E-03		COMB2	-6.1156	-6.1147	0.0271	0.0297	0.0112	0.0044
	0.24	COBERT	-4.85E-01	3.74E-03	2.08E-04		COMB3	-7.6247	-7.6238	0.0388	0.0414	0.0147	0.0050
	0.00	CORREAS	-6.31E-01	-7.27E-04	6.04E-04		COMB4	-0.3396	-0.3387	-0.0174	-0.0148	-0.0020	0.0019
1347	0.24	CORREAS	-6.31E-01	-7.27E-04	7.80E-04	1347	COMB5	-5.2540	-5.2531	0.0205	0.0231	0.0093	0.0040
	0.00	VIVA	-1.94E+00	1.49E-02	4.45E-03		COMB6	-0.7708	-0.7700	-0.0141	-0.0115	-0.0010	0.0021
	0.24	VIVA	-1.94E+00	1.49E-02	8.34E-04		COMB7	-5.9018	-6.6541	0.0305	0.0339	0.0114	0.0046
	0.00	VIENTO	-2.80E+00	2.16E-02	6.42E-03		COMB8	1.3832	1.3839	-0.0257	-0.0237	-0.0053	0.0007
	0.24	VIENTO	-2.80E+00	2.16E-02	1.20E-03		COMB9	-3.2622	-3.2613	0.0141	0.0167	0.0071	0.0036
	0.00	ESPECTRO	7.20E-01	3.40E-03	7.64E-04		COMB10	-1.5393	-1.5386	0.0058	0.0078	0.0039	0.0025
	0.24	ESPECTRO	7.20E-01	3.40E-03	1.94E-04								
	0.00	DEAD	-6.21E-02	5.64E-04	3.54E-04								
	0.66	DEAD	-5.69E-02	4.01E-03	-1.16E-03		COMB1	-0.0357	-0.0284	0.0029	0.0078	0.0007	-0.0028
	0.00	COBERT	4.19E-02	1.04E-03	1.56E-04		COMB2	0.2374	0.2437	0.0092	0.0133	0.0016	-0.0058
	0.66	COBERT	4.19E-02	1.04E-03	-5.28E-04		COMB3	0.3677	0.3740	0.0124	0.0165	0.0021	-0.0075
	0.00	CORREAS	-5.26E-03	5.06E-04	-9.92E-06		COMB4	-0.2614	-0.2551	-0.0032	0.0010	-0.0003	0.0005
1748	0.66	CORREAS	-5.26E-03	5.06E-04	-3.44E-04	1748	COMB5	0.1630	0.1693	0.0073	0.0115	0.0013	-0.0049
	0.00	VIVA	1.67E-01	4.15E-03	6.24E-04		COMB6	-0.2242	-0.2179	-0.0023	0.0019	-0.0001	0.0000
	0.66	VIVA	1.67E-01	4.15E-03	-2.11E-03		COMB7	0.2916	0.2903	0.0097	0.0145	0.0016	-0.0064
	0.00	VIENTO	2.42E-01	5.99E-03	9.01E-04		COMB8	-0.3375	-0.3328	-0.0059	-0.0028	-0.0007	0.0021
	0.66	VIENTO	2.42E-01	5.99E-03	-3.05E-03		COMB9	0.0740	0.0803	0.0048	0.0090	0.0010	-0.0033
	0.00	ESPECTRO	2.09E-02	2.31E-04	4.39E-05		COMB10	-0.0021	0.0027	0.0021	0.0052	0.0005	-0.0016
	0.66	ESPECTRO	2.09E-02	2.31E-04	1.96E-04								
	0.00	DEAD	-2.00E-02	-5.55E-03	-1.91E-03								
	0.55	DEAD	-1.57E-02	-2.51E-03	2.93E-04		COMB1	0.1609	0.1668	-0.0136	-0.0094	-0.0050	0.0013
	0.00	COBERT	1.25E-01	-1.71E-03	-6.73E-04		COMB2	0.9380	0.9430	-0.0227	-0.0190	-0.0086	0.0028
	0.55	COBERT	1.25E-01	-1.71E-03	2.61E-04		COMB3	1.3271	1.3321	-0.0280	-0.0243	-0.0106	0.0036
	0.00	CORREAS	9.88E-03	-2.48E-03	-9.58E-04		COMB4	-0.5512	-0.5461	-0.0022	0.0014	-0.0005	-0.0003
1749	0.55	CORREAS	9.88E-03	-2.48E-03	3.93E-04	1749	COMB5	0.7158	0.7209	-0.0196	-0.0160	-0.0074	0.0023
	0.00	VIVA	5.00E-01	-6.85E-03	-2.69E-03		COMB6	-0.4400	-0.4349	-0.0038	-0.0001	-0.0011	-0.0001
	0.55	VIVA	5.00E-01	-6.85E-03	1.04E-03		COMB7	1.0426	1.0821	-0.0216	-0.0209	-0.0082	0.0031
	0.00	VIENTO	7.22E-01	-9.90E-03	-3.89E-03		COMB8	-0.8357	-0.8319	0.0041	0.0068	0.0019	-0.0011
	0.55	VIENTO	7.22E-01	-9.90E-03	1.51E-03		COMB9	0.3985	0.4036	-0.0130	-0.0094	-0.0049	0.0021
	0.00	ESPECTRO	1.06E-02	2.09E-03	7.16E-04		COMB10	0.1140	0.1178	-0.0067	-0.0039	-0.0025	0.0013

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO AS-5 (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames													
ELE.	Stat.	OutputCase	P	V2	M3	ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
Text	m	Text	Ton	Ton	Ton-m								
	0.55	ESPECTRO	1.06E-02	2.09E-03	4.28E-04								
	0.00	DEAD	-6.25E-02	-8.24E-03	-2.01E-03								
	0.54	DEAD	-5.84E-02	-5.02E-03	1.60E-03		COMB1	0.0493	0.0550	-0.0218	-0.0173	-0.0058	0.0049
	0.00	COBERT	9.84E-02	-3.84E-03	-1.12E-03		COMB2	0.6722	0.6771	-0.0433	-0.0394	-0.0122	0.0104
	0.54	COBERT	9.84E-02	-3.84E-03	9.73E-04		COMB3	0.9785	0.9834	-0.0553	-0.0514	-0.0156	0.0134
	0.00	CORREAS	-7.20E-04	-3.49E-03	-1.01E-03		COMB4	-0.5002	-0.4953	0.0025	0.0064	0.0012	-0.0012
1750	0.54	CORREAS	-7.20E-04	-3.49E-03	8.96E-04	1750	COMB5	0.4973	0.5022	-0.0365	-0.0326	-0.0102	0.0087
	0.00	VIVA	3.94E-01	-1.54E-02	-4.49E-03		COMB6	-0.4127	-0.4078	-0.0009	0.0029	0.0002	-0.0003
	0.54	VIVA	3.94E-01	-1.54E-02	3.89E-03		COMB7	0.7711	0.7865	-0.0429	-0.0437	-0.0122	0.0115
	0.00	VIENTO	5.69E-01	-2.22E-02	-6.48E-03		COMB8	-0.7076	-0.7040	0.0149	0.0178	0.0047	-0.0042
	0.54	VIENTO	5.69E-01	-2.22E-02	5.62E-03		COMB9	0.2736	0.2785	-0.0236	-0.0198	-0.0065	0.0069
	0.00	ESPECTRO	3.45E-02	2.77E-03	6.92E-04		COMB10	0.0662	0.0699	-0.0113	-0.0084	-0.0030	0.0039
	0.54	ESPECTRO	3.45E-02	2.77E-03	8.19E-04								
	0.00	DEAD	7.00E-02	-6.66E-03	-1.17E-03								
	0.54	DEAD	7.40E-02	-3.28E-03	1.53E-03		COMB1	0.3519	0.3574	-0.0175	-0.0128	-0.0036	0.0047
	0.00	COBERT	1.30E-01	-2.91E-03	-6.98E-04		COMB2	1.1316	1.1363	-0.0337	-0.0296	-0.0075	0.0097
	0.54	COBERT	1.30E-01	-2.91E-03	8.89E-04		COMB3	1.5352	1.5400	-0.0428	-0.0387	-0.0097	0.0125
	0.00	CORREAS	5.16E-02	-2.96E-03	-6.82E-04		COMB4	-0.4133	-0.4086	0.0010	0.0051	0.0008	-0.0009
1751	0.54	CORREAS	5.16E-02	-2.96E-03	9.32E-04	1751	COMB5	0.9011	0.9059	-0.0285	-0.0245	-0.0063	0.0081
	0.00	VIVA	5.19E-01	-1.17E-02	-2.79E-03		COMB6	-0.2980	-0.2932	-0.0016	0.0025	0.0002	-0.0001
	0.54	VIVA	5.19E-01	-1.17E-02	3.56E-03		COMB7	1.2005	1.2806	-0.0332	-0.0329	-0.0075	0.0107
	0.00	VIENTO	7.49E-01	-1.68E-02	-4.03E-03		COMB8	-0.7481	-0.7445	0.0106	0.0137	0.0029	-0.0037
	0.54	VIENTO	7.49E-01	-1.68E-02	5.14E-03		COMB9	0.5983	0.6030	-0.0188	-0.0147	-0.0041	0.0066
	0.00	ESPECTRO	3.73E-02	2.08E-03	3.79E-04		COMB10	0.2635	0.2671	-0.0092	-0.0062	-0.0019	0.0038
	0.54	ESPECTRO	3.73E-02	2.08E-03	7.58E-04								
	0.00	DEAD	2.39E-01	-6.67E-03	-1.03E-03								
	0.54	DEAD	2.43E-01	-3.14E-03	1.63E-03		COMB1	0.8149	0.8202	-0.0169	-0.0120	-0.0030	0.0048
	0.00	COBERT	2.12E-01	-2.79E-03	-5.90E-04		COMB2	2.0569	2.0614	-0.0323	-0.0281	-0.0064	0.0101
	0.54	COBERT	2.12E-01	-2.79E-03	9.25E-04		COMB3	2.7175	2.7220	-0.0410	-0.0368	-0.0082	0.0129
	0.00	CORREAS	1.31E-01	-2.63E-03	-5.37E-04		COMB4	-0.4715	-0.4669	0.0009	0.0051	0.0007	-0.0010
1752	0.54	CORREAS	1.31E-01	-2.63E-03	8.91E-04	1752	COMB5	1.6797	1.6842	-0.0274	-0.0231	-0.0053	0.0084
	0.00	VIVA	8.49E-01	-1.11E-02	-2.36E-03		COMB6	-0.2827	-0.2782	-0.0016	0.0026	0.0001	-0.0001
	0.54	VIVA	8.49E-01	-1.11E-02	3.70E-03		COMB7	2.1183	2.2975	-0.0318	-0.0312	-0.0064	0.0111
	0.00	VIENTO	1.23E+00	-1.61E-02	-3.41E-03		COMB8	-1.0706	-1.0672	0.0100	0.0132	0.0025	-0.0038
	0.54	VIENTO	1.23E+00	-1.61E-02	5.34E-03		COMB9	1.2018	1.2064	-0.0181	-0.0139	-0.0035	0.0067
	0.00	ESPECTRO	7.88E-02	1.94E-03	3.05E-04		COMB10	0.6027	0.6061	-0.0089	-0.0058	-0.0016	0.0039
	0.54	ESPECTRO	7.88E-02	1.94E-03	7.56E-04								
	0.00	DEAD	3.57E-01	-6.26E-03	-7.68E-04								
	0.54	DEAD	3.60E-01	-2.57E-03	1.63E-03		COMB1	1.1541	1.1592	-0.0162	-0.0110	-0.0024	0.0050
	0.00	COBERT	2.91E-01	-2.58E-03	-4.64E-04		COMB2	2.8529	2.8572	-0.0304	-0.0259	-0.0050	0.0102
	0.54	COBERT	2.91E-01	-2.58E-03	9.38E-04		COMB3	3.7591	3.7635	-0.0384	-0.0340	-0.0065	0.0132
	0.00	CORREAS	1.77E-01	-2.70E-03	-4.95E-04		COMB4	-0.6159	-0.6115	0.0004	0.0048	0.0005	-0.0009
1753	0.54	CORREAS	1.77E-01	-2.70E-03	9.71E-04	1753	COMB5	2.3354	2.3397	-0.0258	-0.0213	-0.0042	0.0086
	0.00	VIVA	1.16E+00	-1.03E-02	-1.86E-03		COMB6	-0.3569	-0.3526	-0.0019	0.0025	0.0001	-0.0001
	0.54	VIVA	1.16E+00	-1.03E-02	3.75E-03		COMB7	2.9294	3.1811	-0.0298	-0.0288	-0.0050	0.0113
	0.00	VIENTO	1.68E+00	-1.49E-02	-2.68E-03		COMB8	-1.4456	-1.4423	0.0090	0.0123	0.0019	-0.0039
	0.54	VIENTO	1.68E+00	-1.49E-02	5.42E-03		COMB9	1.6848	1.6892	-0.0173	-0.0129	-0.0028	0.0068
	0.00	ESPECTRO	1.13E-01	1.67E-03	1.97E-04		COMB10	0.8552	0.8584	-0.0087	-0.0054	-0.0014	0.0039
	0.54	ESPECTRO	1.13E-01	1.67E-03	7.20E-04								
	0.00	DEAD	3.64E-01	-5.57E-03	-5.08E-04								
	0.54	DEAD	3.68E-01	-1.74E-03	1.48E-03		COMB1	1.2128	1.2176	-0.0139	-0.0085	-0.0016	0.0044
	0.00	COBERT	3.18E-01	-2.31E-03	-3.66E-04		COMB2	3.0725	3.0766	-0.0267	-0.0221	-0.0037	0.0095
	0.54	COBERT	3.18E-01	-2.31E-03	8.88E-04		COMB3	4.0611	4.0653	-0.0339	-0.0293	-0.0049	0.0123
	0.00	CORREAS	1.84E-01	-2.01E-03	-2.83E-04		COMB4	-0.7115	-0.7073	0.0009	0.0055	0.0006	-0.0011
1754	0.54	CORREAS	1.84E-01	-2.01E-03	8.11E-04	1754	COMB5	2.5080	2.5122	-0.0226	-0.0180	-0.0031	0.0079
	0.00	VIVA	1.27E+00	-9.24E-03	-1.46E-03		COMB6	-0.4290	-0.4248	-0.0012	0.0034	0.0003	-0.0003
	0.54	VIVA	1.27E+00	-9.24E-03	3.55E-03		COMB7	3.1659	3.4300	-0.0263	-0.0246	-0.0038	0.0105
	0.00	VIENTO	1.84E+00	-1.34E-02	-2.11E-03		COMB8	-1.6066	-1.6035	0.0085	0.0119	0.0017	-0.0038
	0.54	VIENTO	1.84E+00	-1.34E-02	5.13E-03		COMB9	1.7912	1.7954	-0.0152	-0.0106	-0.0020	0.0062
	0.00	ESPECTRO	1.16E-01	1.32E-03	1.15E-04		COMB10	0.8960	0.8992	-0.0076	-0.0041	-0.0009	0.0035
	0.54	ESPECTRO	1.16E-01	1.32E-03	6.39E-04								
	0.00	DEAD	2.61E-01	-4.26E-03	-1.12E-04								
	0.54	DEAD	2.64E-01	-2.94E-04	1.12E-03		COMB1	0.9541	0.9588	-0.0108	-0.0053	-0.0007	0.0037
	0.00	COBERT	2.87E-01	-1.75E-03	-2.07E-04		COMB2	2.6528	2.6568	-0.0205	-0.0157	-0.0019	0.0079
	0.54	COBERT	2.87E-01	-1.75E-03	7.43E-04		COMB3	3.5452	3.5492	-0.0259	-0.0212	-0.0026	0.0102
	0.00	CORREAS	1.34E-01	-1.73E-03	-1.93E-04		COMB4	-0.7627	-0.7587	0.0004	0.0051	0.0005	-0.0010
1755	0.54	CORREAS	1.34E-01	-1.73E-03	7.48E-04	1755	COMB5	2.1433	2.1473	-0.0174	-0.0126	-0.0016	0.0066
	0.00	VIVA	1.15E+00	-7.00E-03	-8.27E-04		COMB6	-0.5077	-0.5037	-0.0012	0.0036	0.0003	-0.0003
	0.54	VIVA	1.15E+00	-7.00E-03	2.97E-03		COMB7	2.7673	2.9757	-0.0201	-0.0177	-0.0020	0.0087
	0.00	VIENTO	1.66E+00	-1.01E-02	-1.19E-03		COMB8	-1.5406	-1.5376	0.0062	0.0097	0.0011	-0.0032
	0.54	VIENTO	1.66E+00	-1.01E-02	4.29E-03		COMB9	1.4814	1.4853	-0.0120	-0.0072	-0.0009	0.0051
	0.00	ESPECTRO	9.01E-02	7.87E-04	1.25E-04		COMB10	0.7035	0.7064	-0.0062	-0.0026	-0.0003	0.0028
	0.54	ESPECTRO	9.01E-02	7.87E-04	4.91E-04								
	0.00	DEAD	7.39E-02	-2.99E-03	3.11E-04								
	0.54	DEAD	7.70E-02	1.11E-03	8.21E-04		COMB1	0.4815	0.4858	-0.0068	-0.0010	0.0006	0.0027
	0.00	COBERT	2.14E-01	-1.13E-03	-1.23E-05		COMB2	1.7833	1.7871	-0.0130	-0.0081	0.0004	0.0061

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO AS-5 (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames													
ELE.	Stat.	OutputCase	P	V2	M3	ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
Text	m	Text	Ton	Ton	Ton-m								
1756	0.54	COBERT	2.14E-01	-1.13E-03	5.99E-04	1756	COMB3	2.4499	2.4536	-0.0165	-0.0116	0.0004	0.0080
	0.00	CORREAS	5.58E-02	-7.13E-04	1.07E-04		COMB4	-0.7679	-0.7641	0.0004	0.0053	0.0006	-0.0010
	0.54	CORREAS	5.58E-02	-7.13E-04	4.93E-04		COMB5	1.4027	1.4065	-0.0110	-0.0061	0.0004	0.0051
	0.00	VIVA	8.57E-01	-4.51E-03	-4.90E-05		COMB6	-0.5774	-0.5736	-0.0006	0.0043	0.0005	-0.0005
	0.54	VIVA	8.57E-01	-4.51E-03	2.40E-03		COMB7	1.9184	2.0253	-0.0128	-0.0094	0.0003	0.0068
	0.00	VIENTO	1.24E+00	-6.52E-03	-7.08E-05		COMB8	-1.2993	-1.2965	0.0041	0.0078	0.0005	-0.0028
	0.54	VIENTO	1.24E+00	-6.52E-03	3.46E-03		COMB9	0.9012	0.9050	-0.0077	-0.0028	0.0007	0.0039
	0.00	ESPECTRO	6.02E-02	3.86E-04	2.37E-04		COMB10	0.3697	0.3726	-0.0040	-0.0003	0.0006	0.0021
	0.54	ESPECTRO	6.02E-02	3.86E-04	4.07E-04								
1757	0.00	DEAD	-1.56E-01	-7.53E-05	1.20E-03	1757							
	0.54	DEAD	-1.53E-01	4.14E-03	9.69E-05		COMB1	-0.1297	-0.1256	-0.0001	0.0058	0.0026	0.0011
	0.00	COBERT	1.13E-01	8.58E-06	3.37E-04		COMB2	0.6139	0.6175	0.0000	0.0050	0.0044	0.0031
	0.54	COBERT	1.13E-01	8.58E-06	3.33E-04		COMB3	0.9665	0.9701	0.0000	0.0051	0.0055	0.0041
	0.00	CORREAS	-5.00E-02	-5.32E-06	3.39E-04		COMB4	-0.7357	-0.7321	-0.0001	0.0049	0.0004	-0.0009
	0.54	CORREAS	-5.00E-02	-5.32E-06	3.42E-04		COMB5	0.4126	0.4161	0.0000	0.0050	0.0038	0.0025
	0.00	VIVA	4.53E-01	3.43E-05	1.35E-03		COMB6	-0.6349	-0.6314	-0.0001	0.0049	0.0007	-0.0006
	0.54	VIVA	4.53E-01	3.43E-05	1.33E-03		COMB7	0.7677	0.7435	0.0000	0.0050	0.0042	0.0034
	0.00	VIENTO	6.55E-01	4.96E-05	1.95E-03		COMB8	-0.9345	-0.9318	-0.0001	0.0037	-0.0008	-0.0018
	0.54	VIENTO	6.55E-01	4.96E-05	1.92E-03		COMB9	0.2019	0.2055	0.0010	0.0061	0.0036	0.0017
	0.00	ESPECTRO	8.65E-02	1.11E-03	6.46E-04		COMB10	0.0031	0.0058	0.0010	0.0048	0.0023	0.0008
	0.54	ESPECTRO	8.65E-02	1.11E-03	6.65E-05								
1758	0.00	DEAD	-3.89E-01	1.79E-03	1.65E-03	1758							
	0.54	DEAD	-3.86E-01	6.12E-03	-4.90E-04		COMB1	-0.7599	-0.7560	0.0061	0.0121	0.0042	-0.0007
	0.00	COBERT	-5.23E-03	1.04E-03	6.02E-04		COMB2	-0.6848	-0.6815	0.0119	0.0171	0.0074	-0.0004
	0.54	COBERT	-5.23E-03	1.04E-03	3.80E-05		COMB3	-0.7011	-0.6978	0.0151	0.0203	0.0093	-0.0003
	0.00	CORREAS	-1.49E-01	1.52E-03	7.37E-04		COMB4	-0.6224	-0.6191	-0.0005	0.0047	0.0003	-0.0009
	0.54	CORREAS	-1.49E-01	1.52E-03	-8.36E-05		COMB5	-0.6755	-0.6722	0.0100	0.0152	0.0064	-0.0005
	0.00	VIVA	-2.09E-02	4.17E-03	2.41E-03		COMB6	-0.6271	-0.6238	0.0004	0.0056	0.0008	-0.0008
	0.54	VIVA	-2.09E-02	4.17E-03	1.52E-04		COMB7	-0.5278	-0.6873	0.0117	0.0182	0.0072	-0.0004
	0.00	VIENTO	-3.02E-02	6.02E-03	3.48E-03		COMB8	-0.4492	-0.4466	-0.0039	0.0000	-0.0018	-0.0008
	0.54	VIENTO	-3.02E-02	6.02E-03	2.19E-04		COMB9	-0.5149	-0.5116	0.0089	0.0141	0.0055	-0.0004
	0.00	ESPECTRO	1.47E-01	1.64E-03	7.37E-04		COMB10	-0.3416	-0.3391	0.0055	0.0094	0.0034	-0.0003
	0.54	ESPECTRO	1.47E-01	1.64E-03	1.49E-04								
1759	0.00	DEAD	-6.02E-01	3.69E-03	2.15E-03	1759							
	0.54	DEAD	-5.99E-01	8.13E-03	-1.04E-03		COMB1	-1.3500	-1.3464	0.0106	0.0168	0.0053	-0.0021
	0.00	COBERT	-1.16E-01	2.05E-03	8.55E-04		COMB2	-1.9017	-1.8985	0.0222	0.0275	0.0101	-0.0034
	0.54	COBERT	-1.16E-01	2.05E-03	-2.54E-04		COMB3	-2.2637	-2.2606	0.0286	0.0339	0.0127	-0.0042
	0.00	CORREAS	-2.46E-01	1.82E-03	8.10E-04		COMB4	-0.5159	-0.5128	-0.0022	0.0031	-0.0001	-0.0004
	0.54	CORREAS	-2.46E-01	1.82E-03	-1.75E-04		COMB5	-1.6949	-1.6918	0.0186	0.0239	0.0085	-0.0029
	0.00	VIVA	-4.65E-01	8.21E-03	3.42E-03		COMB6	-0.6194	-0.6163	-0.0004	0.0049	0.0006	-0.0006
	0.54	VIVA	-4.65E-01	8.21E-03	-1.02E-03		COMB7	-1.7418	-2.0279	0.0222	0.0298	0.0099	-0.0037
	0.00	VIENTO	-6.72E-01	1.19E-02	4.94E-03		COMB8	0.0060	0.0084	-0.0086	-0.0046	-0.0030	0.0006
	0.54	VIENTO	-6.72E-01	1.19E-02	-1.47E-03		COMB9	-1.1829	-1.1798	0.0156	0.0209	0.0072	-0.0019
	0.00	ESPECTRO	2.07E-01	2.37E-03	9.24E-04		COMB10	-0.6610	-0.6586	0.0092	0.0132	0.0044	-0.0010
	0.54	ESPECTRO	2.07E-01	2.37E-03	3.57E-04								
1760	0.00	DEAD	-7.74E-01	5.16E-03	2.52E-03	1760							
	0.54	DEAD	-7.72E-01	9.70E-03	-1.49E-03		COMB1	-1.7570	-1.7536	0.0154	0.0218	0.0066	-0.0035
	0.00	COBERT	-1.61E-01	2.71E-03	1.03E-03		COMB2	-2.5381	-2.5352	0.0305	0.0360	0.0122	-0.0058
	0.54	COBERT	-1.61E-01	2.71E-03	-4.36E-04		COMB3	-3.0400	-3.0371	0.0390	0.0444	0.0154	-0.0071
	0.00	CORREAS	-3.19E-01	3.13E-03	1.15E-03		COMB4	-0.6170	-0.6141	-0.0017	0.0037	0.0000	-0.0006
	0.54	CORREAS	-3.19E-01	3.13E-03	-5.41E-04		COMB5	-2.2515	-2.2486	0.0257	0.0312	0.0104	-0.0050
	0.00	VIVA	-6.45E-01	1.08E-02	4.10E-03		COMB6	-0.7604	-0.7575	0.0007	0.0061	0.0009	-0.0009
	0.54	VIVA	-6.45E-01	1.08E-02	-1.74E-03		COMB7	-2.3410	-2.7146	0.0302	0.0390	0.0119	-0.0062
	0.00	VIENTO	-9.32E-01	1.56E-02	5.92E-03		COMB8	0.0820	0.0842	-0.0104	-0.0064	-0.0035	0.0011
	0.54	VIENTO	-9.32E-01	1.56E-02	-2.52E-03		COMB9	-1.5732	-1.5703	0.0216	0.0270	0.0087	-0.0033
	0.00	ESPECTRO	2.55E-01	2.94E-03	1.05E-03		COMB10	-0.8741	-0.8720	0.0128	0.0169	0.0053	-0.0017
	0.54	ESPECTRO	2.55E-01	2.94E-03	5.40E-04								
1761	0.00	DEAD	-9.23E-01	5.26E-03	2.61E-03	1761							
	0.54	DEAD	-9.21E-01	9.89E-03	-1.47E-03		COMB1	-2.0093	-2.0062	0.0157	0.0221	0.0067	-0.0035
	0.00	COBERT	-1.24E-01	3.23E-03	1.11E-03		COMB2	-2.5144	-2.5117	0.0341	0.0397	0.0128	-0.0070
	0.54	COBERT	-1.24E-01	3.23E-03	-6.32E-04		COMB3	-2.8995	-2.8969	0.0442	0.0497	0.0163	-0.0090
	0.00	CORREAS	-3.88E-01	2.69E-03	1.05E-03		COMB4	-1.0400	-1.0374	-0.0044	0.0012	-0.0004	0.0005
	0.54	CORREAS	-3.88E-01	2.69E-03	-3.96E-04		COMB5	-2.2944	-2.2917	0.0284	0.0339	0.0109	-0.0059
	0.00	VIVA	-4.95E-01	1.29E-02	4.44E-03		COMB6	-1.1501	-1.1474	-0.0015	0.0040	0.0006	-0.0001
	0.54	VIVA	-4.95E-01	1.29E-02	-2.53E-03		COMB7	-2.2214	-2.6493	0.0343	0.0432	0.0126	-0.0077
	0.00	VIENTO	-7.15E-01	1.87E-02	6.42E-03		COMB8	-0.3619	-0.3599	-0.0142	-0.0101	-0.0040	0.0025
	0.54	VIENTO	-7.15E-01	1.87E-02	-3.65E-03		COMB9	-1.6749	-1.6722	0.0229	0.0284	0.0090	-0.0037
	0.00	ESPECTRO	2.95E-01	2.99E-03	1.08E-03		COMB10	-0.9968	-0.9948	0.0131	0.0172	0.0054	-0.0017
	0.54	ESPECTRO	2.95E-01	2.99E-03	5.33E-04								
1762	0.00	DEAD	-8.40E-01	7.72E-03	2.85E-03	1762							
	0.54	DEAD	-8.38E-01	1.24E-02	-2.57E-03		COMB1	-1.8674	-1.8645	0.0218	0.0284	0.0076	-0.0059
	0.00	COBERT	-1.38E-01	3.53E-03	1.25E-03		COMB2	-2.4816	-2.4791	0.0413	0.0470	0.0145	-0.0093
	0.54	COBERT	-1.38E-01	3.53E-03	-6.59E-04		COMB3	-2.9100	-2.9075	0.0523	0.0580	0.0184	-0.0113
	0.00	CORREAS	-3.56E-01	4.32E-03	1.33E-03		COMB4	-0.8418	-0.8394	-0.0008	0.0049	-0.0003	-0.0014
	0.54	CORREAS	-3.56E-01	4.32E-03	-9.94E-04		COMB5	-2.2369	-2.2345	0.0350	0.0407	0.0123	-0.0081
	0.00	VIVA	-5.51E-01	1.41E-02	4.98E-03		COMB6	-0.9643	-0.9618	0.0024	0.0080	0.0008	-0.0020

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO AS-5 (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames													
ELE.	Stat.	OutputCase	P	V2	M3	ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
Text	m	Text	Ton	Ton	Ton-m								
	0.54	VIVA	-5.51E-01	1.41E-02	-2.64E-03		COMB7	-2.2345	-2.6322	0.0406	0.0509	0.0142	-0.0100
	0.00	VIENTO	-7.95E-01	2.04E-02	7.19E-03		COMB8	-0.1664	-0.1646	-0.0125	-0.0083	-0.0045	0.0011
	0.54	VIENTO	-7.95E-01	2.04E-02	-3.81E-03		COMB9	-1.6239	-1.6215	0.0298	0.0354	0.0102	-0.0054
	0.00	ESPECTRO	2.52E-01	4.01E-03	1.15E-03		COMB10	-0.9485	-0.9466	0.0180	0.0223	0.0060	-0.0028
	0.54	ESPECTRO	2.52E-01	4.01E-03	1.01E-03								
	0.00	DEAD	-7.68E-01	2.44E-03	1.19E-03								
	0.54	DEAD	-7.66E-01	7.22E-03	-1.41E-03		COMB1	-1.7789	-1.7763	0.0085	0.0152	0.0028	-0.0036
	0.00	COBERT	-1.72E-01	1.50E-03	2.70E-04		COMB2	-2.6278	-2.6256	0.0169	0.0227	0.0042	-0.0065
	0.54	COBERT	-1.72E-01	1.50E-03	-5.39E-04		COMB3	-3.1642	-3.1620	0.0216	0.0273	0.0050	-0.0082
	0.00	CORREAS	-3.30E-01	2.14E-03	5.59E-04		COMB4	-0.5747	-0.5725	-0.0010	0.0047	0.0009	-0.0001
	0.54	CORREAS	-3.30E-01	2.14E-03	-5.91E-04		COMB5	-2.3215	-2.3193	0.0143	0.0200	0.0037	-0.0055
1763	0.00	VIVA	-6.89E-01	6.02E-03	1.08E-03	1763	COMB6	-0.7280	-0.7258	0.0003	0.0061	0.0012	-0.0006
	0.54	VIVA	-6.89E-01	6.02E-03	-2.16E-03		COMB7	-2.4383	-2.8173	0.0168	0.0243	0.0038	-0.0071
	0.00	VIENTO	-9.96E-01	8.69E-03	1.56E-03		COMB8	0.1512	0.1529	-0.0058	-0.0015	-0.0002	0.0018
	0.54	VIENTO	-9.96E-01	8.69E-03	-3.12E-03		COMB9	-1.6428	-1.6406	0.0122	0.0180	0.0035	-0.0036
	0.00	ESPECTRO	2.27E-01	1.91E-03	4.97E-04		COMB10	-0.9169	-0.9153	0.0074	0.0117	0.0023	-0.0018
	0.54	ESPECTRO	2.27E-01	1.91E-03	5.33E-04								
	0.00	DEAD	-2.75E-01	1.70E-02	3.63E-03								
	0.24	DEAD	-2.75E-01	1.92E-02	-7.41E-04		COMB1	-0.6310	-0.6300	0.0463	0.0494	0.0096	-0.0019
	0.00	COBERT	-5.11E-02	1.01E-02	1.93E-03		COMB2	-0.8678	-0.8669	0.1043	0.1069	0.0206	-0.0049
	0.24	COBERT	-5.11E-02	1.01E-02	-5.07E-04		COMB3	-1.0267	-1.0259	0.1357	0.1383	0.0266	-0.0065
	0.00	CORREAS	-1.24E-01	6.02E-03	1.33E-03		COMB4	-0.2593	-0.2584	-0.0159	-0.0133	-0.0024	0.0012
	0.24	CORREAS	-1.24E-01	6.02E-03	-1.22E-04		COMB5	-0.7770	-0.7761	0.0864	0.0890	0.0172	-0.0040
1764	0.00	VIVA	-2.04E-01	4.04E-02	7.72E-03	1764	COMB6	-0.3047	-0.3038	-0.0069	-0.0043	-0.0007	0.0007
	0.24	VIVA	-2.04E-01	4.04E-02	-2.03E-03		COMB7	-0.7894	-0.9237	0.1056	0.1181	0.0207	-0.0055
	0.00	VIENTO	-2.95E-01	5.83E-02	1.12E-02		COMB8	-0.0219	-0.0213	-0.0460	-0.0440	-0.0083	0.0026
	0.24	VIENTO	-2.95E-01	5.83E-02	-2.93E-03		COMB9	-0.5031	-0.5022	0.0674	0.0700	0.0135	-0.0022
	0.00	ESPECTRO	1.40E-01	7.51E-03	1.35E-03		COMB10	-0.2657	-0.2651	0.0373	0.0393	0.0075	-0.0008
	0.24	ESPECTRO	1.40E-01	7.51E-03	4.69E-04								
BRIDA INFERIOR						**BRIDA INFERIOR**							
	0.00	DEAD	-5.86E-01	-1.70E-02	-4.71E-03								
	0.50	DEAD	-5.82E-01	-1.42E-02	3.15E-03		COMB1	-1.6054	-1.5999	-0.0393	-0.0355	-0.0113	0.0076
	0.00	COBERT	-2.58E-01	-5.50E-03	-1.66E-03		COMB2	-3.0292	-3.0245	-0.0689	-0.0656	-0.0203	0.0136
	0.50	COBERT	-2.58E-01	-5.50E-03	1.11E-03		COMB3	-3.8331	-3.8284	-0.0860	-0.0827	-0.0255	0.0171
	0.00	CORREAS	-3.03E-01	-5.62E-03	-1.67E-03		COMB4	0.0478	0.0525	-0.0034	-0.0001	-0.0005	0.0004
	0.50	CORREAS	-3.03E-01	-5.62E-03	1.16E-03		COMB5	-2.5702	-2.5654	-0.0591	-0.0558	-0.0173	0.0116
570	0.00	VIVA	-1.03E+00	-2.20E-02	-6.65E-03	570	COMB6	-0.1820	-0.1772	-0.0083	-0.0050	-0.0020	0.0014
	0.50	VIVA	-1.03E+00	-2.20E-02	4.44E-03		COMB7	-2.9725	-3.3118	-0.0666	-0.0717	-0.0197	0.0148
	0.00	VIENTO	-1.49E+00	-3.18E-02	-9.61E-03		COMB8	0.9084	0.9119	0.0160	0.0185	0.0053	-0.0035
	0.50	VIENTO	-1.49E+00	-3.18E-02	6.41E-03		COMB9	-1.7902	-1.7855	-0.0419	-0.0386	-0.0122	0.0093
	0.00	ESPECTRO	1.02E-01	2.76E-03	8.15E-04		COMB10	-0.9296	-0.9260	-0.0225	-0.0200	-0.0064	0.0055
	0.50	ESPECTRO	1.02E-01	2.76E-03	5.77E-04								
	0.00	DEAD	-1.64E-01	-1.45E-02	-3.45E-03								
	0.50	DEAD	-1.61E-01	-1.16E-02	3.15E-03		COMB1	-0.5103	-0.5049	-0.0346	-0.0305	-0.0085	0.0079
	0.00	COBERT	-8.31E-02	-4.99E-03	-1.32E-03		COMB2	-0.9692	-0.9646	-0.0615	-0.0581	-0.0157	0.0144
	0.50	COBERT	-8.31E-02	-4.99E-03	1.20E-03		COMB3	-1.2278	-1.2232	-0.0770	-0.0736	-0.0198	0.0182
	0.00	CORREAS	-1.17E-01	-5.16E-03	-1.34E-03		COMB4	0.0207	0.0253	-0.0021	0.0013	-0.0001	0.0001
571	0.50	CORREAS	-1.17E-01	-5.16E-03	1.27E-03	571	COMB5	-0.8215	-0.8169	-0.0527	-0.0492	-0.0134	0.0123
	0.00	VIVA	-3.32E-01	-1.99E-02	-5.26E-03		COMB6	-0.0532	-0.0486	-0.0066	-0.0031	-0.0012	0.0012
	0.50	VIVA	-3.32E-01	-1.99E-02	4.80E-03		COMB7	-0.9523	-1.0570	-0.0597	-0.0636	-0.0154	0.0158
	0.00	VIENTO	-4.80E-01	-2.88E-02	-7.60E-03		COMB8	0.2963	0.2997	0.0152	0.0178	0.0044	-0.0040
	0.50	VIENTO	-4.80E-01	-2.88E-02	6.93E-03		COMB9	-0.5958	-0.5912	-0.0368	-0.0333	-0.0092	0.0098
	0.00	ESPECTRO	7.80E-03	2.77E-03	7.21E-04		COMB10	-0.3202	-0.3168	-0.0194	-0.0168	-0.0048	0.0057
	0.50	ESPECTRO	7.80E-03	2.77E-03	6.74E-04								
	0.00	DEAD	2.67E-01	-1.53E-02	-3.58E-03								
	0.50	DEAD	2.70E-01	-1.23E-02	3.37E-03		COMB1	0.6176	0.6228	-0.0368	-0.0325	-0.0089	0.0085
	0.00	COBERT	1.04E-01	-5.55E-03	-1.43E-03		COMB2	1.1955	1.1999	-0.0671	-0.0634	-0.0168	0.0161
	0.50	COBERT	1.04E-01	-5.55E-03	1.37E-03		COMB3	1.5194	1.5238	-0.0843	-0.0807	-0.0213	0.0203
	0.00	CORREAS	7.03E-02	-5.42E-03	-1.38E-03		COMB4	-0.0444	-0.0399	-0.0010	0.0027	0.0002	-0.0002
	0.50	CORREAS	7.03E-02	-5.42E-03	1.36E-03		COMB5	1.0105	1.0149	-0.0572	-0.0535	-0.0143	0.0136
572	0.00	VIVA	4.16E-01	-2.22E-02	-5.72E-03	572	COMB6	0.0482	0.0526	-0.0059	-0.0022	-0.0011	0.0010
	0.50	VIVA	4.16E-01	-2.22E-02	5.47E-03		COMB7	1.1789	1.3157	-0.0654	-0.0696	-0.0165	0.0176
	0.00	VIENTO	6.01E-01	-3.21E-02	-8.27E-03		COMB8	-0.3849	-0.3815	0.0180	0.0208	0.0050	-0.0048
	0.50	VIENTO	6.01E-01	-3.21E-02	7.91E-03		COMB9	0.8295	0.8340	-0.0397	-0.0361	-0.0098	0.0108
	0.00	ESPECTRO	9.20E-02	2.92E-03	7.43E-04		COMB10	0.4890	0.4924	-0.0207	-0.0180	-0.0050	0.0062
	0.50	ESPECTRO	9.20E-02	2.92E-03	7.31E-04								
	0.00	DEAD	6.66E-01	-1.40E-02	-3.10E-03								
	0.50	DEAD	6.69E-01	-1.08E-02	3.16E-03		COMB1	1.6766	1.6817	-0.0337	-0.0293	-0.0078	0.0081
	0.00	COBERT	2.83E-01	-5.14E-03	-1.26E-03		COMB2	3.2511	3.2554	-0.0618	-0.0580	-0.0148	0.0155
	0.50	COBERT	2.83E-01	-5.14E-03	1.33E-03		COMB3	4.1332	4.1375	-0.0778	-0.0740	-0.0187	0.0196
	0.00	CORREAS	2.48E-01	-4.95E-03	-1.19E-03		COMB4	-0.1252	-0.1209	-0.0006	0.0032	0.0003	-0.0004
573	0.50	CORREAS	2.48E-01	-4.95E-03	1.31E-03	573	COMB5	2.7474	2.7517	-0.0527	-0.0488	-0.0125	0.0131
	0.00	VIVA	1.13E+00	-2.06E-02	-5.06E-03		COMB6	0.1268	0.1311	-0.0052	-0.0013	-0.0008	0.0008
	0.50	VIVA	1.13E+00	-2.06E-02	5.31E-03		COMB7	3.2071	3.5707	-0.0603	-0.0637	-0.0145	0.0169
	0.00	VIENTO	1.64E+00	-2.97E-02	-7.30E-03		COMB8	-1.0514	-1.0482	0.0169	0.0198	0.0045	-0.0048
	0.50	VIENTO	1.64E+00	-2.97E-02	7.67E-03		COMB9	2.1869	2.1911	-0.0366	-0.0328	-0.0086	0.0103

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO AS-5 (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames													
ELE.	Stat.	OutputCase	P	V2	M3	ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
Text	m	Text	Ton	Ton	Ton-m								
	0.00	ESPECTRO	1.83E-01	2.55E-03	6.19E-04		COMB10	1.2607	1.2639	-0.0191	-0.0163	-0.0044	0.0059
	0.50	ESPECTRO	1.83E-01	2.55E-03	6.68E-04								
	0.00	DEAD	9.97E-01	-1.20E-02	-2.48E-03								
	0.50	DEAD	1.00E+00	-8.65E-03	2.73E-03		COMB1	2.5544	2.5592	-0.0285	-0.0238	-0.0062	0.0070
	0.00	COBERT	4.35E-01	-4.29E-03	-1.01E-03		COMB2	4.9740	4.9781	-0.0519	-0.0479	-0.0118	0.0134
	0.50	COBERT	4.35E-01	-4.29E-03	1.16E-03		COMB3	6.3280	6.3322	-0.0652	-0.0612	-0.0149	0.0170
	0.00	CORREAS	3.93E-01	-4.05E-03	-9.24E-04		COMB4	-0.2088	-0.2046	-0.0007	0.0033	0.0003	-0.0004
574	0.50	CORREAS	3.93E-01	-4.05E-03	1.12E-03	574	COMB5	4.2008	4.2049	-0.0443	-0.0402	-0.0100	0.0113
	0.00	VIVA	1.74E+00	-1.72E-02	-4.04E-03		COMB6	0.1782	0.1823	-0.0046	-0.0005	-0.0006	0.0007
	0.50	VIVA	1.74E+00	-1.72E-02	4.62E-03		COMB7	4.9105	5.4620	-0.0506	-0.0526	-0.0116	0.0147
	0.00	VIENTO	2.51E+00	-2.48E-02	-5.83E-03		COMB8	-1.6263	-1.6232	0.0140	0.0170	0.0036	-0.0042
	0.50	VIENTO	2.51E+00	-2.48E-02	6.68E-03		COMB9	3.3132	3.3173	-0.0310	-0.0270	-0.0069	0.0088
	0.00	ESPECTRO	2.54E-01	1.95E-03	4.47E-04		COMB10	1.8957	1.8988	-0.0164	-0.0134	-0.0035	0.0050
	0.50	ESPECTRO	2.54E-01	1.95E-03	5.35E-04								
	0.00	DEAD	1.24E+00	-9.60E-03	-1.78E-03								
	0.50	DEAD	1.24E+00	-6.12E-03	2.18E-03		COMB1	3.2091	3.2137	-0.0223	-0.0175	-0.0044	0.0056
	0.00	COBERT	5.48E-01	-3.25E-03	-7.12E-04		COMB2	6.2584	6.2624	-0.0399	-0.0358	-0.0083	0.0108
	0.50	COBERT	5.48E-01	-3.25E-03	9.27E-04		COMB3	7.9642	7.9682	-0.0501	-0.0459	-0.0105	0.0137
	0.00	CORREAS	5.05E-01	-3.11E-03	-6.46E-04		COMB4	-0.2706	-0.2666	-0.0012	0.0029	0.0002	-0.0003
575	0.50	CORREAS	5.05E-01	-3.11E-03	9.21E-04	575	COMB5	5.2844	5.2884	-0.0342	-0.0300	-0.0071	0.0091
	0.00	VIVA	2.19E+00	-1.30E-02	-2.85E-03		COMB6	0.2168	0.2208	-0.0041	0.0001	-0.0005	0.0006
	0.50	VIVA	2.19E+00	-1.30E-02	3.71E-03		COMB7	6.1804	6.8720	-0.0388	-0.0394	-0.0082	0.0118
	0.00	VIENTO	3.17E+00	-1.88E-02	-4.12E-03		COMB8	-2.0545	-2.0515	0.0101	0.0132	0.0025	-0.0033
	0.50	VIENTO	3.17E+00	-1.88E-02	5.36E-03		COMB9	4.1456	4.1496	-0.0244	-0.0202	-0.0049	0.0071
	0.00	ESPECTRO	2.99E-01	1.26E-03	2.58E-04		COMB10	2.3617	2.3647	-0.0131	-0.0100	-0.0026	0.0040
	0.50	ESPECTRO	2.99E-01	1.26E-03	3.80E-04								
	0.00	DEAD	1.39E+00	-7.25E-03	-1.11E-03								
	0.50	DEAD	1.39E+00	-3.63E-03	1.63E-03		COMB1	3.6150	3.6194	-0.0162	-0.0111	-0.0026	0.0042
	0.00	COBERT	6.20E-01	-2.25E-03	-4.31E-04		COMB2	7.0695	7.0733	-0.0283	-0.0239	-0.0050	0.0081
	0.50	COBERT	6.20E-01	-2.25E-03	7.05E-04		COMB3	9.0005	9.0043	-0.0353	-0.0309	-0.0064	0.0103
	0.00	CORREAS	5.71E-01	-2.05E-03	-3.51E-04		COMB4	-0.3216	-0.3178	-0.0014	0.0029	0.0001	-0.0003
576	0.50	CORREAS	5.71E-01	-2.05E-03	6.83E-04	576	COMB5	5.9669	5.9707	-0.0243	-0.0199	-0.0043	0.0069
	0.00	VIVA	2.48E+00	-9.01E-03	-1.72E-03		COMB6	0.2302	0.2340	-0.0035	0.0009	-0.0003	0.0004
	0.50	VIVA	2.48E+00	-9.01E-03	2.82E-03		COMB7	6.9850	7.7634	-0.0273	-0.0264	-0.0049	0.0089
	0.00	VIENTO	3.59E+00	-1.30E-02	-2.49E-03		COMB8	-2.3372	-2.3343	0.0065	0.0098	0.0015	-0.0026
	0.50	VIENTO	3.59E+00	-1.30E-02	4.07E-03		COMB9	4.6578	4.6616	-0.0178	-0.0134	-0.0030	0.0053
	0.00	ESPECTRO	3.18E-01	6.04E-04	8.82E-05		COMB10	2.6423	2.6451	-0.0098	-0.0065	-0.0016	0.0029
	0.50	ESPECTRO	3.18E-01	6.04E-04	2.20E-04								
	0.00	DEAD	1.46E+00	-5.13E-03	-5.09E-04								
	0.50	DEAD	1.46E+00	-1.39E-03	1.14E-03		COMB1	3.8039	3.8081	-0.0107	-0.0055	-0.0011	0.0030
	0.00	COBERT	6.55E-01	-1.30E-03	-1.72E-04		COMB2	7.4538	7.4574	-0.0175	-0.0130	-0.0021	0.0056
	0.50	COBERT	6.55E-01	-1.30E-03	4.84E-04		COMB3	9.4930	9.4966	-0.0216	-0.0171	-0.0026	0.0071
	0.00	CORREAS	6.07E-01	-1.22E-03	-1.16E-04		COMB4	-0.3512	-0.3476	-0.0020	0.0025	0.0000	-0.0001
577	0.50	CORREAS	6.07E-01	-1.22E-03	5.01E-04	577	COMB5	6.2895	6.2931	-0.0152	-0.0107	-0.0018	0.0048
	0.00	VIVA	2.62E+00	-5.20E-03	-6.89E-04		COMB6	0.2315	0.2351	-0.0032	0.0013	-0.0002	0.0003
	0.50	VIVA	2.62E+00	-5.20E-03	1.93E-03		COMB7	7.3674	8.1862	-0.0167	-0.0145	-0.0020	0.0062
	0.00	VIENTO	3.79E+00	-7.51E-03	-9.95E-04		COMB8	-2.4767	-2.4740	0.0029	0.0062	0.0006	-0.0017
	0.50	VIENTO	3.79E+00	-7.51E-03	2.79E-03		COMB9	4.8866	4.8903	-0.0115	-0.0070	-0.0012	0.0037
	0.00	ESPECTRO	3.16E-01	2.75E-04	6.69E-05		COMB10	2.7611	2.7638	-0.0066	-0.0033	-0.0007	0.0021
	0.50	ESPECTRO	3.16E-01	2.75E-04	1.71E-04								
	0.00	DEAD	1.45E+00	-3.35E-03	5.57E-05								
	0.50	DEAD	1.45E+00	5.11E-04	7.71E-04		COMB1	3.7916	3.7956	-0.0064	-0.0010	0.0003	0.0021
	0.00	COBERT	6.57E-01	-7.52E-04	1.65E-05		COMB2	7.4558	7.4593	-0.0103	-0.0057	0.0003	0.0044
	0.50	COBERT	6.57E-01	-7.52E-04	3.96E-04		COMB3	9.5011	9.5045	-0.0126	-0.0080	0.0004	0.0056
	0.00	CORREAS	6.05E-01	-4.62E-04	1.16E-04		COMB4	-0.3725	-0.3691	-0.0013	0.0033	0.0001	-0.0004
578	0.50	CORREAS	6.05E-01	-4.62E-04	3.49E-04	578	COMB5	6.2880	6.2914	-0.0090	-0.0043	0.0003	0.0036
	0.00	VIVA	2.63E+00	-3.01E-03	6.58E-05		COMB6	0.2119	0.2153	-0.0020	0.0026	0.0002	0.0000
	0.50	VIVA	2.63E+00	-3.01E-03	1.58E-03		COMB7	7.3743	8.1902	-0.0098	-0.0065	0.0003	0.0048
	0.00	VIENTO	3.80E+00	-4.34E-03	9.51E-05		COMB8	-2.4994	-2.4968	0.0015	0.0050	0.0000	-0.0016
	0.50	VIENTO	3.80E+00	-4.34E-03	2.29E-03		COMB9	4.8608	4.8643	-0.0064	-0.0017	0.0005	0.0027
	0.00	ESPECTRO	2.97E-01	6.27E-04	2.78E-04		COMB10	2.7340	2.7366	-0.0035	0.0000	0.0004	0.0014
	0.50	ESPECTRO	2.97E-01	6.27E-04	6.53E-05								
	0.00	DEAD	1.38E+00	-1.25E-03	6.45E-04								
	0.50	DEAD	1.38E+00	2.72E-03	2.74E-04		COMB1	3.6389	3.6426	-0.0011	0.0045	0.0018	0.0009
	0.00	COBERT	6.33E-01	2.86E-04	3.15E-04		COMB2	7.1724	7.1756	0.0009	0.0057	0.0036	0.0019
	0.50	COBERT	6.33E-01	2.86E-04	1.71E-04		COMB3	9.1435	9.1467	0.0018	0.0066	0.0045	0.0024
	0.00	CORREAS	5.85E-01	2.12E-04	3.27E-04		COMB4	-0.3721	-0.3688	-0.0025	0.0023	-0.0002	-0.0001
579	0.50	CORREAS	5.85E-01	2.12E-04	2.20E-04	579	COMB5	6.0469	6.0501	0.0004	0.0052	0.0030	0.0016
	0.00	VIVA	2.53E+00	1.14E-03	1.26E-03		COMB6	0.1912	0.1944	-0.0022	0.0025	0.0001	0.0000
	0.50	VIVA	2.53E+00	1.14E-03	6.83E-04		COMB7	7.0970	7.8800	0.0015	0.0060	0.0035	0.0021
	0.00	VIENTO	3.66E+00	1.65E-03	1.82E-03		COMB8	-2.4185	-2.4161	-0.0028	0.0008	-0.0012	-0.0007
	0.50	VIENTO	3.66E+00	1.65E-03	9.86E-04		COMB9	4.6526	4.6558	0.0005	0.0053	0.0025	0.0012
	0.00	ESPECTRO	2.67E-01	8.56E-04	3.39E-04		COMB10	2.6062	2.6086	0.0002	0.0038	0.0015	0.0007
	0.50	ESPECTRO	2.67E-01	8.56E-04	9.71E-05								
	0.00	DEAD	1.27E+00	1.67E-04	1.01E-03								
	0.50	DEAD	1.28E+00	4.25E-03	-1.02E-04		COMB1	3.3673	3.3709	0.0031	0.0088	0.0029	-0.0001

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO AS-5 (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames													
ELE.	Stat.	OutputCase	P	V2	M3	ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
Text	m	Text	Ton	Ton	Ton-m								
580	0.00	COBERT	5.91E-01	9.03E-04	4.76E-04	580	COMB2	6.6660	6.6690	0.0085	0.0134	0.0055	0.0000
	0.50	COBERT	5.91E-01	9.03E-04	2.02E-05		COMB3	8.5040	8.5070	0.0113	0.0162	0.0070	0.0001
	0.00	CORREAS	5.40E-01	1.17E-03	5.64E-04		COMB4	-0.3691	-0.3661	-0.0023	0.0026	-0.0002	-0.0002
	0.50	CORREAS	5.40E-01	1.17E-03	-2.32E-05		COMB5	5.6165	5.6195	0.0069	0.0118	0.0047	0.0000
	0.00	VIVA	2.36E+00	3.61E-03	1.90E-03		COMB6	0.1561	0.1591	-0.0015	0.0034	0.0003	-0.0002
	0.50	VIVA	2.36E+00	3.61E-03	8.10E-05		COMB7	6.6013	7.3259	0.0088	0.0144	0.0054	0.0000
	0.00	VIENTO	3.41E+00	5.22E-03	2.75E-03		COMB8	-2.2718	-2.2696	-0.0048	-0.0011	-0.0017	-0.0002
	0.50	VIENTO	3.41E+00	5.22E-03	1.17E-04		COMB9	4.3005	4.3036	0.0055	0.0104	0.0038	0.0000
	0.00	ESPECTRO	2.33E-01	1.01E-03	3.85E-04		COMB10	2.3978	2.4001	0.0030	0.0067	0.0022	0.0000
	0.50	ESPECTRO	2.33E-01	1.01E-03	1.23E-04								
581	0.00	DEAD	1.14E+00	8.22E-04	1.21E-03	581							
	0.50	DEAD	1.14E+00	5.00E-03	-2.59E-04		COMB1	3.0359	3.0392	0.0044	0.0102	0.0033	-0.0004
	0.00	COBERT	5.37E-01	1.20E-03	5.61E-04		COMB2	6.0395	6.0424	0.0114	0.0164	0.0064	-0.0006
	0.50	COBERT	5.37E-01	1.20E-03	-4.38E-05		COMB3	7.7111	7.7139	0.0151	0.0202	0.0081	-0.0008
	0.00	CORREAS	4.89E-01	1.10E-03	5.66E-04		COMB4	-0.3584	-0.3556	-0.0029	0.0022	-0.0003	-0.0001
	0.50	CORREAS	4.89E-01	1.10E-03	1.26E-05		COMB5	5.0851	5.0879	0.0093	0.0143	0.0054	-0.0006
	0.00	VIVA	2.15E+00	4.79E-03	2.24E-03		COMB6	0.1192	0.1221	-0.0018	0.0032	0.0002	-0.0001
	0.50	VIVA	2.15E+00	4.79E-03	-1.75E-04		COMB7	5.9864	6.6398	0.0118	0.0178	0.0063	-0.0007
	0.00	VIENTO	3.10E+00	6.92E-03	3.24E-03		COMB8	-2.0831	-2.0810	-0.0062	-0.0024	-0.0021	0.0001
	0.50	VIENTO	3.10E+00	6.92E-03	-2.53E-04		COMB9	3.8775	3.8803	0.0070	0.0120	0.0043	-0.0004
	0.00	ESPECTRO	2.01E-01	8.35E-04	3.61E-04		COMB10	2.1528	2.1549	0.0036	0.0074	0.0025	-0.0002
	0.50	ESPECTRO	2.01E-01	8.35E-04	6.12E-05								
582	0.00	DEAD	9.96E-01	9.87E-04	1.45E-03	582							
	0.50	DEAD	9.98E-01	5.26E-03	-1.22E-04		COMB1	2.6621	2.6652	0.0051	0.0111	0.0040	-0.0001
	0.00	COBERT	4.79E-01	1.13E-03	6.23E-04		COMB2	5.3452	5.3478	0.0116	0.0168	0.0074	0.0002
	0.50	COBERT	4.79E-01	1.13E-03	5.30E-05		COMB3	6.8349	6.8375	0.0151	0.0203	0.0093	0.0004
	0.00	CORREAS	4.27E-01	1.54E-03	7.60E-04		COMB4	-0.3566	-0.3540	-0.0018	0.0033	0.0000	-0.0004
	0.50	CORREAS	4.27E-01	1.54E-03	-1.49E-05		COMB5	4.4946	4.4972	0.0096	0.0147	0.0063	0.0001
	0.00	VIVA	1.91E+00	4.52E-03	2.49E-03		COMB6	0.0691	0.0717	-0.0008	0.0043	0.0005	-0.0003
	0.50	VIVA	1.91E+00	4.52E-03	2.12E-04		COMB7	5.3071	5.8802	0.0118	0.0180	0.0072	0.0003
	0.00	VIENTO	2.77E+00	6.53E-03	3.60E-03		COMB8	-1.8844	-1.8824	-0.0052	-0.0014	-0.0021	-0.0005
	0.50	VIENTO	2.77E+00	6.53E-03	3.06E-04		COMB9	3.4157	3.4183	0.0071	0.0123	0.0050	0.0001
	0.00	ESPECTRO	1.77E-01	4.76E-04	3.48E-04		COMB10	1.8879	1.8899	0.0038	0.0076	0.0029	0.0001
	0.50	ESPECTRO	1.77E-01	4.76E-04	1.36E-04								
583	0.00	DEAD	7.91E-01	6.10E-03	2.33E-03	583							
	0.50	DEAD	7.93E-01	1.05E-02	-1.84E-03		COMB1	2.1425	2.1453	0.0182	0.0243	0.0062	-0.0045
	0.00	COBERT	3.96E-01	3.48E-03	1.02E-03		COMB2	4.3721	4.3745	0.0379	0.0431	0.0118	-0.0086
	0.50	COBERT	3.96E-01	3.48E-03	-7.34E-04		COMB3	5.6052	5.6076	0.0487	0.0539	0.0150	-0.0109
	0.00	CORREAS	3.44E-01	3.41E-03	1.06E-03		COMB4	-0.3475	-0.3451	-0.0036	0.0016	-0.0003	0.0002
	0.50	CORREAS	3.44E-01	3.41E-03	-6.62E-04		COMB5	3.6681	3.6705	0.0317	0.0369	0.0100	-0.0073
	0.00	VIVA	1.58E+00	1.39E-02	4.09E-03		COMB6	0.0048	0.0072	-0.0005	0.0047	0.0006	-0.0005
	0.50	VIVA	1.58E+00	1.39E-02	-2.94E-03		COMB7	4.3537	4.8152	0.0378	0.0470	0.0116	-0.0094
	0.00	VIENTO	2.29E+00	2.01E-02	5.90E-03		COMB8	-1.5991	-1.5973	-0.0145	-0.0105	-0.0037	0.0026
	0.50	VIENTO	2.29E+00	2.01E-02	-4.24E-03		COMB9	2.7723	2.7747	0.0246	0.0298	0.0079	-0.0049
	0.00	ESPECTRO	1.43E-01	2.02E-03	5.87E-04		COMB10	1.5208	1.5226	0.0137	0.0176	0.0046	-0.0025
	0.50	ESPECTRO	1.43E-01	2.02E-03	4.33E-04								
584	0.00	DEAD	5.77E-01	-5.88E-03	8.03E-04	584							
	0.44	DEAD	5.79E-01	-1.20E-03	2.35E-03		COMB1	1.5724	1.5751	-0.0141	-0.0075	0.0022	0.0069
	0.00	COBERT	2.95E-01	-2.36E-03	3.62E-04		COMB2	3.2384	3.2407	-0.0272	-0.0216	0.0042	0.0148
	0.44	COBERT	2.95E-01	-2.36E-03	1.39E-03		COMB3	4.1578	4.1601	-0.0345	-0.0289	0.0053	0.0191
	0.00	CORREAS	2.50E-01	-1.83E-03	4.08E-04		COMB4	-0.2806	-0.2782	0.0009	0.0065	-0.0001	-0.0017
	0.44	CORREAS	2.50E-01	-1.83E-03	1.21E-03		COMB5	2.7134	2.7158	-0.0230	-0.0174	0.0036	0.0123
	0.00	VIVA	1.18E+00	-9.43E-03	1.45E-03		COMB6	-0.0178	-0.0155	-0.0012	0.0044	0.0002	-0.0005
	0.44	VIVA	1.18E+00	-9.43E-03	5.55E-03		COMB7	3.2300	3.5693	-0.0268	-0.0242	0.0041	0.0164
	0.00	VIENTO	1.71E+00	-1.36E-02	2.09E-03		COMB8	-1.2083	-1.2066	0.0086	0.0129	-0.0013	-0.0060
	0.44	VIENTO	1.71E+00	-1.36E-02	8.02E-03		COMB9	2.0598	2.0621	-0.0104	-0.0048	0.0031	0.0110
	0.00	ESPECTRO	1.21E-01	6.36E-03	5.33E-04		COMB10	1.1320	1.1338	-0.0027	0.0015	0.0019	0.0067
	0.44	ESPECTRO	1.21E-01	6.36E-03	2.25E-03								
1701	0.00	DEAD	3.22E-01	-1.90E-02	-5.04E-03	1701							
	0.50	DEAD	3.26E-01	-1.63E-02	3.85E-03		COMB1	0.8222	0.8278	-0.0447	-0.0409	-0.0121	0.0095
	0.00	COBERT	1.74E-01	-6.56E-03	-1.85E-03		COMB2	1.8174	1.8221	-0.0803	-0.0771	-0.0222	0.0175
	0.50	COBERT	1.74E-01	-6.56E-03	1.46E-03		COMB3	2.3584	2.3632	-0.1008	-0.0975	-0.0280	0.0220
	0.00	CORREAS	9.17E-02	-6.40E-03	-1.78E-03		COMB4	-0.2535	-0.2488	-0.0022	0.0011	-0.0002	0.0001
	0.50	CORREAS	9.17E-02	-6.40E-03	1.45E-03		COMB5	1.5084	1.5132	-0.0687	-0.0654	-0.0189	0.0149
	0.00	VIVA	6.95E-01	-2.62E-02	-7.38E-03		COMB6	-0.0989	-0.0942	-0.0080	-0.0047	-0.0019	0.0014
	0.50	VIVA	6.95E-01	-2.62E-02	5.85E-03		COMB7	1.8345	2.0155	-0.0780	-0.0844	-0.0217	0.0191
	0.00	VIENTO	1.00E+00	-3.79E-02	-1.07E-02		COMB8	-0.7774	-0.7738	0.0205	0.0230	0.0061	-0.0049
	0.50	VIENTO	1.00E+00	-3.79E-02	8.45E-03		COMB9	1.5089	1.5137	-0.0462	-0.0430	-0.0127	0.0123
	0.00	ESPECTRO	4.56E-01	5.23E-03	1.36E-03		COMB10	0.9851	0.9886	-0.0235	-0.0211	-0.0064	0.0074
	0.50	ESPECTRO	4.56E-01	5.23E-03	1.28E-03								
1702	0.00	DEAD	7.47E-01	-1.51E-02	-3.28E-03	1702							
	0.50	DEAD	7.50E-01	-1.22E-02	3.62E-03		COMB1	1.9198	1.9251	-0.0360	-0.0319	-0.0080	0.0091
	0.00	COBERT	3.53E-01	-5.31E-03	-1.24E-03		COMB2	3.9036	3.9082	-0.0648	-0.0614	-0.0149	0.0170
	0.50	COBERT	3.53E-01	-5.31E-03	1.43E-03		COMB3	5.0017	5.0063	-0.0813	-0.0779	-0.0187	0.0214
	0.00	CORREAS	2.72E-01	-5.27E-03	-1.23E-03		COMB4	-0.2994	-0.2948	-0.0016	0.0019	0.0000	-0.0001
	0.50	CORREAS	2.72E-01	-5.27E-03	1.43E-03		COMB5	3.2766	3.2812	-0.0554	-0.0519	-0.0127	0.0144

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO AS-5 (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames													
ELE.	Stat.	OutputCase	P	V2	M3	ELE.	COMB	Pu_1	Pu_2	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1	Mu_2
Text	m	Text	Ton	Ton	Ton-m			(Ton)	(Ton)			(Ton.m)	(Ton.m)
	0.00	VIVA	1.41E+00	-2.12E-02	-4.98E-03		COMB6	0.0144	0.0190	-0.0063	-0.0028	-0.0011	0.0012
	0.50	VIVA	1.41E+00	-2.12E-02	5.74E-03		COMB7	3.8847	4.3007	-0.0630	-0.0673	-0.0145	0.0186
	0.00	VIENTO	2.04E+00	-3.07E-02	-7.19E-03		COMB8	-1.4164	-1.4130	0.0168	0.0194	0.0042	-0.0049
	0.50	VIENTO	2.04E+00	-3.07E-02	8.29E-03		COMB9	2.9276	2.9322	-0.0374	-0.0340	-0.0086	0.0118
	0.00	ESPECTRO	5.76E-01	4.03E-03	8.35E-04		COMB10	1.8106	1.8141	-0.0191	-0.0165	-0.0043	0.0070
	0.50	ESPECTRO	5.76E-01	4.03E-03	1.20E-03								
	0.00	DEAD	1.16E+00	-1.56E-02	-3.35E-03								
	0.50	DEAD	1.17E+00	-1.26E-02	3.76E-03		COMB1	3.0164	3.0216	-0.0376	-0.0333	-0.0083	0.0096
	0.00	COBERT	5.35E-01	-5.73E-03	-1.33E-03		COMB2	6.0118	6.0163	-0.0689	-0.0653	-0.0156	0.0182
	0.50	COBERT	5.35E-01	-5.73E-03	1.56E-03		COMB3	7.6780	7.6824	-0.0868	-0.0831	-0.0198	0.0231
	0.00	CORREAS	4.54E-01	-5.51E-03	-1.26E-03		COMB4	-0.3656	-0.3612	-0.0006	0.0030	0.0002	-0.0004
1703	0.50	CORREAS	4.54E-01	-5.51E-03	1.52E-03	1703	COMB5	5.0604	5.0649	-0.0587	-0.0551	-0.0133	0.0154
	0.00	VIVA	2.14E+00	-2.29E-02	-5.32E-03		COMB6	0.1105	0.1150	-0.0057	-0.0021	-0.0010	0.0010
	0.50	VIVA	2.14E+00	-2.29E-02	6.25E-03		COMB7	5.9609	6.6117	-0.0672	-0.0716	-0.0153	0.0199
	0.00	VIENTO	3.09E+00	-3.31E-02	-7.68E-03		COMB8	-2.0827	-2.0794	0.0189	0.0216	0.0046	-0.0056
	0.50	VIENTO	3.09E+00	-3.31E-02	9.03E-03		COMB9	4.3496	4.3540	-0.0396	-0.0360	-0.0090	0.0126
	0.00	ESPECTRO	6.93E-01	4.08E-03	8.35E-04		COMB10	2.6325	2.6358	-0.0201	-0.0174	-0.0045	0.0074
	0.50	ESPECTRO	6.93E-01	4.08E-03	1.23E-03								
	0.00	DEAD	1.54E+00	-1.40E-02	-2.77E-03								
	0.50	DEAD	1.54E+00	-1.08E-02	3.47E-03		COMB1	3.9980	4.0030	-0.0335	-0.0290	-0.0069	0.0089
	0.00	COBERT	7.04E-01	-5.16E-03	-1.12E-03		COMB2	7.9312	7.9355	-0.0617	-0.0579	-0.0130	0.0171
	0.50	COBERT	7.04E-01	-5.16E-03	1.49E-03		COMB3	10.1216	10.1259	-0.0778	-0.0740	-0.0165	0.0218
	0.00	CORREAS	6.14E-01	-4.80E-03	-1.02E-03		COMB4	-0.4526	-0.4483	-0.0003	0.0036	0.0003	-0.0006
1704	0.50	CORREAS	6.14E-01	-4.80E-03	1.40E-03	1704	COMB5	6.6805	6.6848	-0.0526	-0.0487	-0.0111	0.0145
	0.00	VIVA	2.82E+00	-2.06E-02	-4.47E-03		COMB6	0.1733	0.1776	-0.0049	-0.0010	-0.0007	0.0008
	0.50	VIVA	2.82E+00	-2.06E-02	5.95E-03		COMB7	7.8573	8.7183	-0.0603	-0.0637	-0.0128	0.0188
	0.00	VIENTO	4.07E+00	-2.98E-02	-6.45E-03		COMB8	-2.7170	-2.7137	0.0172	0.0201	0.0040	-0.0054
	0.50	VIENTO	4.07E+00	-2.98E-02	8.59E-03		COMB9	5.6291	5.6334	-0.0356	-0.0317	-0.0075	0.0117
	0.00	ESPECTRO	7.95E-01	3.48E-03	6.40E-04		COMB10	3.3647	3.3680	-0.0181	-0.0152	-0.0038	0.0068
	0.50	ESPECTRO	7.95E-01	3.48E-03	1.12E-03								
	0.00	DEAD	1.83E+00	-1.17E-02	-2.09E-03								
	0.50	DEAD	1.84E+00	-8.37E-03	2.98E-03		COMB1	4.7864	4.7913	-0.0278	-0.0231	-0.0052	0.0077
	0.00	COBERT	8.40E-01	-4.22E-03	-8.37E-04		COMB2	9.4795	9.4836	-0.0508	-0.0468	-0.0098	0.0148
	0.50	COBERT	8.40E-01	-4.22E-03	1.29E-03		COMB3	12.0942	12.0983	-0.0639	-0.0599	-0.0124	0.0189
	0.00	CORREAS	7.46E-01	-3.93E-03	-7.56E-04		COMB4	-0.5284	-0.5242	-0.0006	0.0034	0.0002	-0.0005
1705	0.50	CORREAS	7.46E-01	-3.93E-03	1.23E-03	1705	COMB5	7.9865	7.9907	-0.0433	-0.0393	-0.0083	0.0126
	0.00	VIVA	3.36E+00	-1.69E-02	-3.35E-03		COMB6	0.2188	0.2229	-0.0043	-0.0003	-0.0006	0.0006
	0.50	VIVA	3.36E+00	-1.69E-02	5.16E-03		COMB7	9.3883	10.4181	-0.0496	-0.0515	-0.0096	0.0163
	0.00	VIENTO	4.85E+00	-2.44E-02	-4.83E-03		COMB8	-3.2343	-3.2312	0.0138	0.0168	0.0030	-0.0047
	0.50	VIENTO	4.85E+00	-2.44E-02	7.45E-03		COMB9	6.6525	6.6566	-0.0296	-0.0256	-0.0057	0.0101
	0.00	ESPECTRO	8.70E-01	2.69E-03	4.16E-04		COMB10	3.9465	3.9496	-0.0152	-0.0122	-0.0029	0.0059
	0.50	ESPECTRO	8.70E-01	2.69E-03	9.50E-04								
	0.00	DEAD	2.03E+00	-9.14E-03	-1.35E-03								
	0.50	DEAD	2.04E+00	-5.66E-03	2.39E-03		COMB1	5.3194	5.3241	-0.0211	-0.0162	-0.0032	0.0062
	0.00	COBERT	9.35E-01	-3.11E-03	-5.23E-04		COMB2	10.5419	10.5458	-0.0379	-0.0338	-0.0061	0.0120
	0.50	COBERT	9.35E-01	-3.11E-03	1.04E-03		COMB3	13.4510	13.4550	-0.0476	-0.0434	-0.0077	0.0152
	0.00	CORREAS	8.32E-01	-2.80E-03	-4.38E-04		COMB4	-0.5930	-0.5890	-0.0009	0.0032	0.0001	-0.0005
1706	0.50	CORREAS	8.32E-01	-2.80E-03	9.75E-04	1706	COMB5	8.8808	8.8847	-0.0324	-0.0283	-0.0052	0.0101
	0.00	VIVA	3.74E+00	-1.24E-02	-2.09E-03		COMB6	0.2383	0.2423	-0.0037	0.0005	-0.0004	0.0005
	0.50	VIVA	3.74E+00	-1.24E-02	4.18E-03		COMB7	10.4417	11.5855	-0.0369	-0.0372	-0.0060	0.0131
	0.00	VIENTO	5.40E+00	-1.80E-02	-3.02E-03		COMB8	-3.6024	-3.5994	0.0098	0.0129	0.0019	-0.0039
	0.50	VIENTO	5.40E+00	-1.80E-02	6.03E-03		COMB9	7.3416	7.3455	-0.0225	-0.0183	-0.0036	0.0081
	0.00	ESPECTRO	9.13E-01	1.82E-03	1.84E-04		COMB10	4.3322	4.3352	-0.0117	-0.0086	-0.0019	0.0047
	0.50	ESPECTRO	9.13E-01	1.82E-03	7.54E-04								
	0.00	DEAD	2.13E+00	-6.50E-03	-6.28E-04								
	0.50	DEAD	2.14E+00	-2.88E-03	1.74E-03		COMB1	5.6020	5.6064	-0.0144	-0.0093	-0.0014	0.0046
	0.00	COBERT	9.86E-01	-1.98E-03	-2.21E-04		COMB2	11.1121	11.1159	-0.0250	-0.0207	-0.0026	0.0089
	0.50	COBERT	9.86E-01	-1.98E-03	7.80E-04		COMB3	14.1808	14.1846	-0.0312	-0.0269	-0.0033	0.0113
	0.00	CORREAS	8.82E-01	-1.80E-03	-1.59E-04		COMB4	-0.6334	-0.6296	-0.0014	0.0029	0.0000	-0.0004
1707	0.50	CORREAS	8.82E-01	-1.80E-03	7.46E-04	1707	COMB5	9.3599	9.3637	-0.0215	-0.0172	-0.0022	0.0075
	0.00	VIVA	3.94E+00	-7.93E-03	-8.83E-04		COMB6	0.2435	0.2473	-0.0032	0.0012	-0.0002	0.0003
	0.50	VIVA	3.94E+00	-7.93E-03	3.12E-03		COMB7	11.0084	12.2126	-0.0241	-0.0229	-0.0026	0.0098
	0.00	VIENTO	5.70E+00	-1.15E-02	-1.28E-03		COMB8	-3.8058	-3.8029	0.0057	0.0089	0.0008	-0.0029
	0.50	VIENTO	5.70E+00	-1.15E-02	4.51E-03		COMB9	7.6963	7.7001	-0.0154	-0.0111	-0.0015	0.0060
	0.00	ESPECTRO	9.23E-01	8.97E-04	1.08E-04		COMB10	4.5239	4.5268	-0.0084	-0.0051	-0.0008	0.0035
	0.50	ESPECTRO	9.23E-01	8.97E-04	5.23E-04								
	0.00	DEAD	2.14E+00	-4.72E-03	-5.51E-05								
	0.50	DEAD	2.14E+00	-9.78E-04	1.38E-03		COMB1	5.6345	5.6387	-0.0095	-0.0043	0.0001	0.0036
	0.00	COBERT	9.96E-01	-1.16E-03	2.94E-05		COMB2	11.2051	11.2087	-0.0156	-0.0111	0.0003	0.0070
	0.50	COBERT	9.96E-01	-1.16E-03	6.16E-04		COMB3	14.3055	14.3091	-0.0192	-0.0147	0.0004	0.0089
	0.00	CORREAS	8.88E-01	-9.04E-04	1.01E-04		COMB4	-0.6616	-0.6580	-0.0017	0.0028	-0.0001	-0.0003
1708	0.50	CORREAS	8.88E-01	-9.04E-04	5.57E-04	1708	COMB5	9.4348	9.4384	-0.0135	-0.0090	0.0002	0.0059
	0.00	VIVA	3.98E+00	-4.65E-03	1.18E-04		COMB6	0.2243	0.2279	-0.0028	0.0017	0.0000	0.0002
	0.50	VIVA	3.98E+00	-4.65E-03	2.47E-03		COMB7	11.1057	12.3167	-0.0148	-0.0124	0.0003	0.0077
	0.00	VIENTO	5.76E+00	-6.72E-03	1.70E-04		COMB8	-3.8614	-3.8587	0.0026	0.0060	-0.0002	-0.0023
	0.50	VIENTO	5.76E+00	-6.72E-03	3.56E-03		COMB9	7.7234	7.7270	-0.0100	-0.0055	0.0004	0.0048

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO AS-5 (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames													
ELE.	Stat.	OutputCase	P	V2	M3	ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
Text	m	Text	Ton	Ton	Ton-m								
	0.00	ESPECTRO	9.02E-01	4.86E-04	2.42E-04		COMB10	4.5237	4.5264	-0.0056	-0.0023	0.0003	0.0028
	0.50	ESPECTRO	9.02E-01	4.86E-04	4.78E-04								
	0.00	DEAD	2.07E+00	-1.28E-03	8.97E-04								
	0.50	DEAD	2.07E+00	2.59E-03	5.67E-04		COMB1	5.4651	5.4690	-0.0014	0.0040	0.0024	0.0017
	0.00	COBERT	9.70E-01	1.42E-04	3.97E-04		COMB2	10.8929	10.8964	-0.0003	0.0044	0.0046	0.0036
	0.50	COBERT	9.70E-01	1.42E-04	3.25E-04		COMB3	13.9121	13.9156	0.0002	0.0048	0.0058	0.0046
	0.00	CORREAS	8.65E-01	1.43E-04	4.11E-04		COMB4	-0.6631	-0.6597	-0.0020	0.0027	-0.0001	-0.0003
1709	0.50	CORREAS	8.65E-01	1.43E-04	3.39E-04	1709	COMB5	9.1690	9.1724	-0.0005	0.0041	0.0039	0.0030
	0.00	VIVA	3.88E+00	5.67E-04	1.59E-03		COMB6	0.1996	0.2031	-0.0018	0.0028	0.0002	0.0000
	0.50	VIVA	3.88E+00	5.67E-04	1.30E-03		COMB7	10.8009	11.9754	0.0002	0.0045	0.0045	0.0039
	0.00	VIENTO	5.61E+00	8.18E-04	2.29E-03		COMB8	-3.7744	-3.7718	-0.0020	0.0015	-0.0014	-0.0013
	0.50	VIENTO	5.61E+00	8.18E-04	1.88E-03		COMB9	7.4789	7.4824	0.0002	0.0049	0.0035	0.0022
	0.00	ESPECTRO	8.54E-01	1.15E-03	6.58E-04		COMB10	4.3677	4.3702	0.0003	0.0037	0.0022	0.0012
	0.50	ESPECTRO	8.54E-01	1.15E-03	8.56E-05								
	0.00	DEAD	1.93E+00	7.90E-04	1.39E-03								
	0.50	DEAD	1.93E+00	4.76E-03	-8.49E-06		COMB1	5.1134	5.1172	0.0047	0.0103	0.0039	0.0001
	0.00	COBERT	9.13E-01	1.19E-03	6.60E-04		COMB2	10.2279	10.2312	0.0117	0.0165	0.0076	0.0004
	0.50	COBERT	9.13E-01	1.19E-03	5.89E-05		COMB3	13.0703	13.0735	0.0154	0.0202	0.0096	0.0006
	0.00	CORREAS	8.08E-01	1.41E-03	7.18E-04		COMB4	-0.6513	-0.6480	-0.0025	0.0023	-0.0003	-0.0003
1710	0.50	CORREAS	8.08E-01	1.41E-03	8.11E-06	1710	COMB5	8.6050	8.6082	0.0096	0.0144	0.0064	0.0003
	0.00	VIVA	3.65E+00	4.77E-03	2.64E-03		COMB6	0.1609	0.1642	-0.0014	0.0033	0.0003	-0.0002
	0.50	VIVA	3.65E+00	4.77E-03	2.35E-04		COMB7	10.1480	11.2470	0.0120	0.0178	0.0075	0.0005
	0.00	VIENTO	5.28E+00	6.89E-03	3.82E-03		COMB8	-3.5736	-3.5711	-0.0059	-0.0023	-0.0025	-0.0004
	0.50	VIENTO	5.28E+00	6.89E-03	3.40E-04		COMB9	6.9940	6.9972	0.0082	0.0130	0.0054	0.0003
	0.00	ESPECTRO	7.84E-01	1.73E-03	7.67E-04		COMB10	4.0717	4.0741	0.0048	0.0084	0.0033	0.0002
	0.50	ESPECTRO	7.84E-01	1.73E-03	1.10E-04								
	0.00	DEAD	1.74E+00	2.56E-03	1.82E-03								
	0.50	DEAD	1.74E+00	6.64E-03	-5.04E-04		COMB1	4.6319	4.6355	0.0089	0.0146	0.0049	-0.0011
	0.00	COBERT	8.33E-01	1.98E-03	8.45E-04		COMB2	9.2999	9.3029	0.0204	0.0252	0.0096	-0.0019
	0.50	COBERT	8.33E-01	1.98E-03	-1.56E-04		COMB3	11.8916	11.8946	0.0265	0.0314	0.0122	-0.0024
	0.00	CORREAS	7.34E-01	1.84E-03	8.19E-04		COMB4	-0.6201	-0.6171	-0.0033	0.0016	-0.0005	-0.0001
1711	0.50	CORREAS	7.34E-01	1.84E-03	-1.07E-04	1711	COMB5	7.8200	7.8230	0.0168	0.0217	0.0081	-0.0016
	0.00	VIVA	3.33E+00	7.93E-03	3.38E-03		COMB6	0.1205	0.1235	-0.0015	0.0034	0.0003	-0.0002
	0.50	VIVA	3.33E+00	7.93E-03	-6.23E-04		COMB7	9.2335	10.2291	0.0206	0.0275	0.0095	-0.0021
	0.00	VIENTO	4.81E+00	1.15E-02	4.88E-03		COMB8	-3.2782	-3.2759	-0.0092	-0.0055	-0.0032	0.0005
	0.50	VIENTO	4.81E+00	1.15E-02	-9.00E-04		COMB9	6.3321	6.3351	0.0140	0.0189	0.0068	-0.0009
	0.00	ESPECTRO	6.96E-01	2.37E-03	9.08E-04		COMB10	3.6740	3.6763	0.0081	0.0118	0.0040	-0.0004
	0.50	ESPECTRO	6.96E-01	2.37E-03	2.87E-04								
	0.00	DEAD	1.51E+00	4.12E-03	2.16E-03								
	0.50	DEAD	1.51E+00	8.30E-03	-9.75E-04		COMB1	4.0327	4.0360	0.0136	0.0195	0.0059	-0.0025
	0.00	COBERT	7.33E-01	2.74E-03	9.94E-04		COMB2	8.1508	8.1537	0.0292	0.0342	0.0114	-0.0046
	0.50	COBERT	7.33E-01	2.74E-03	-3.88E-04		COMB3	10.4336	10.4364	0.0377	0.0428	0.0145	-0.0058
	0.00	CORREAS	6.36E-01	2.88E-03	1.05E-03		COMB4	-0.5864	-0.5836	-0.0034	0.0016	-0.0004	0.0000
1712	0.50	CORREAS	6.36E-01	2.88E-03	-4.00E-04	1712	COMB5	6.8474	6.8502	0.0243	0.0294	0.0096	-0.0039
	0.00	VIVA	2.93E+00	1.10E-02	3.97E-03		COMB6	0.0659	0.0687	-0.0010	0.0040	0.0004	-0.0003
	0.50	VIVA	2.93E+00	1.10E-02	-1.55E-03		COMB7	8.1025	8.9695	0.0293	0.0373	0.0112	-0.0050
	0.00	VIENTO	4.24E+00	1.58E-02	5.74E-03		COMB8	-2.9175	-2.9154	-0.0118	-0.0081	-0.0037	0.0013
	0.50	VIENTO	4.24E+00	1.58E-02	-2.24E-03		COMB9	5.5173	5.5202	0.0201	0.0251	0.0080	-0.0024
	0.00	ESPECTRO	5.94E-01	2.93E-03	1.01E-03		COMB10	3.1863	3.1884	0.0117	0.0155	0.0048	-0.0011
	0.50	ESPECTRO	5.94E-01	2.93E-03	4.64E-04								
	0.00	DEAD	1.25E+00	4.69E-03	2.37E-03								
	0.50	DEAD	1.25E+00	8.96E-03	-1.07E-03		COMB1	3.3498	3.3528	0.0144	0.0204	0.0063	-0.0025
	0.00	COBERT	6.16E-01	2.86E-03	1.05E-03		COMB2	6.8123	6.8149	0.0306	0.0358	0.0121	-0.0046
	0.50	COBERT	6.16E-01	2.86E-03	-3.87E-04		COMB3	8.7288	8.7314	0.0395	0.0447	0.0154	-0.0058
	0.00	CORREAS	5.29E-01	2.74E-03	1.06E-03		COMB4	-0.5232	-0.5206	-0.0034	0.0017	-0.0004	0.0000
1713	0.50	CORREAS	5.29E-01	2.74E-03	-3.26E-04	1713	COMB5	5.7180	5.7206	0.0256	0.0307	0.0103	-0.0039
	0.00	VIVA	2.46E+00	1.14E-02	4.22E-03		COMB6	0.0245	0.0271	-0.0009	0.0043	0.0005	-0.0003
	0.50	VIVA	2.46E+00	1.14E-02	-1.55E-03		COMB7	6.7794	7.4998	0.0307	0.0389	0.0120	-0.0050
	0.00	VIENTO	3.56E+00	1.65E-02	6.09E-03		COMB8	-2.4726	-2.4706	-0.0122	-0.0084	-0.0039	0.0013
	0.50	VIENTO	3.56E+00	1.65E-02	-2.24E-03		COMB9	4.5822	4.5848	0.0212	0.0263	0.0086	-0.0024
	0.00	ESPECTRO	4.79E-01	3.13E-03	1.07E-03		COMB10	2.6328	2.6348	0.0124	0.0162	0.0051	-0.0011
	0.50	ESPECTRO	4.79E-01	3.13E-03	5.08E-04								
	0.00	DEAD	9.49E-01	1.00E-02	3.28E-03								
	0.50	DEAD	9.51E-01	1.54E-02	-3.12E-03		COMB1	2.5526	2.5560	0.0306	0.0380	0.0091	-0.0082
	0.00	COBERT	4.76E-01	6.04E-03	1.62E-03		COMB2	5.2322	5.2352	0.0649	0.0713	0.0181	-0.0162
	0.50	COBERT	4.76E-01	6.04E-03	-1.43E-03		COMB3	6.7127	6.7156	0.0837	0.0901	0.0232	-0.0206
	0.00	CORREAS	3.99E-01	5.77E-03	1.58E-03		COMB4	-0.4341	-0.4312	-0.0071	-0.0007	-0.0012	0.0008
1714	0.50	CORREAS	3.99E-01	5.77E-03	-1.33E-03	1714	COMB5	4.3869	4.3899	0.0541	0.0605	0.0153	-0.0137
	0.00	VIVA	1.90E+00	2.42E-02	6.48E-03		COMB6	-0.0111	-0.0081	-0.0017	0.0047	0.0003	-0.0005
	0.50	VIVA	1.90E+00	2.42E-02	-5.71E-03		COMB7	5.2143	5.7643	0.0651	0.0780	0.0180	-0.0178
	0.00	VIENTO	2.75E+00	3.49E-02	9.36E-03		COMB8	-1.9325	-1.9302	-0.0257	-0.0209	-0.0063	0.0054
	0.50	VIENTO	2.75E+00	3.49E-02	-8.25E-03		COMB9	3.4932	3.4961	0.0434	0.0498	0.0124	-0.0087
	0.00	ESPECTRO	3.54E-01	5.10E-03	1.37E-03		COMB10	1.9948	1.9970	0.0248	0.0296	0.0072	-0.0041
	0.50	ESPECTRO	3.54E-01	5.10E-03	1.20E-03								
	0.00	DEAD	6.22E-01	-9.52E-03	1.36E-03								
	0.44	DEAD	6.25E-01	-3.55E-03	4.21E-03		COMB1	1.6691	1.6725	-0.0214	-0.0130	0.0038	0.0113

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO AS-5 (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames													
ELE.	Stat.	OutputCase	P	V2	M3	ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
Text	m	Text	Ton	Ton	Ton-m								
1715	0.00	COBERT	3.08E-01	-2.01E-03	8.51E-04	1715	COMB2	3.3988	3.4018	-0.0312	-0.0240	0.0087	0.0207
	0.44	COBERT	3.08E-01	-2.01E-03	1.73E-03		COMB3	4.3559	4.3589	-0.0375	-0.0303	0.0114	0.0261
	0.00	CORREAS	2.62E-01	-3.72E-03	5.19E-04		COMB4	-0.2645	-0.2616	-0.0072	0.0000	-0.0014	0.0002
	0.44	CORREAS	2.62E-01	-3.72E-03	2.14E-03		COMB5	2.8523	2.8553	-0.0276	-0.0205	0.0072	0.0177
	0.00	VIVA	1.23E+00	-8.05E-03	3.40E-03		COMB6	0.0090	0.0119	-0.0090	-0.0018	-0.0007	0.0017
	0.44	VIVA	1.23E+00	-8.05E-03	6.91E-03		COMB7	3.3832	3.7438	-0.0289	-0.0263	0.0088	0.0227
	0.00	VIENTO	1.78E+00	-1.16E-02	4.92E-03		COMB8	-1.2372	-1.2350	0.0014	0.0068	-0.0039	-0.0057
	0.44	VIENTO	1.78E+00	-1.16E-02	9.98E-03		COMB9	2.2676	2.2706	-0.0187	-0.0116	0.0058	0.0146
	0.00	ESPECTRO	2.22E-01	3.59E-03	7.99E-04		COMB10	1.2949	1.2971	-0.0101	-0.0048	0.0033	0.0087
	0.44	ESPECTRO	2.22E-01	3.59E-03	1.42E-03								
MONTANTE						MONTANTE							
362	0.00	DEAD	3.11E-02	-1.78E-03	3.22E-04	362							
	1.00	DEAD	2.59E-02	6.15E-03	-1.86E-03		COMB1	0.0398	0.0324	0.0011	0.0122	0.0020	-0.0046
	0.00	COBERT	-2.65E-03	1.39E-03	6.36E-04		COMB2	0.0171	0.0108	0.0098	0.0193	0.0058	-0.0088
	1.00	COBERT	-2.65E-03	1.39E-03	-7.54E-04		COMB3	0.0089	0.0026	0.0141	0.0237	0.0078	-0.0111
	0.00	CORREAS	-7.75E-05	1.17E-03	4.77E-04		COMB4	0.0487	0.0424	-0.0067	0.0028	-0.0018	0.0002
	1.00	CORREAS	-7.75E-05	1.17E-03	-6.92E-04		COMB5	0.0218	0.0155	0.0074	0.0169	0.0047	-0.0075
	0.00	VIVA	-1.06E-02	5.56E-03	2.54E-03		COMB6	0.0463	0.0400	-0.0055	0.0040	-0.0012	-0.0005
	1.00	VIVA	-1.06E-02	5.56E-03	-3.01E-03		COMB7	0.0056	0.0079	0.0111	0.0209	0.0061	-0.0096
	0.00	VIENTO	-1.53E-02	8.03E-03	3.67E-03		COMB8	0.0455	0.0407	-0.0097	-0.0026	-0.0035	0.0027
	1.00	VIENTO	-1.53E-02	8.03E-03	-4.36E-03		COMB9	0.0437	0.0374	0.0043	0.0138	0.0032	-0.0052
	0.00	ESPECTRO	1.50E-02	5.52E-04	2.26E-04		COMB10	0.0405	0.0358	0.0012	0.0084	0.0015	-0.0027
	1.00	ESPECTRO	1.50E-02	5.52E-04	3.26E-04								
363	0.00	DEAD	6.97E-01	2.30E-03	2.39E-03	363							
	0.99	DEAD	6.92E-01	9.93E-03	-3.66E-03		COMB1	1.8230	1.8153	0.0106	0.0213	0.0069	-0.0089
	0.00	COBERT	2.94E-01	2.60E-03	1.23E-03		COMB2	3.4437	3.4370	0.0257	0.0349	0.0138	-0.0162
	0.99	COBERT	2.94E-01	2.60E-03	-1.34E-03		COMB3	4.3584	4.3518	0.0338	0.0429	0.0176	-0.0203
	0.00	CORREAS	3.11E-01	2.67E-03	1.28E-03		COMB4	-0.0576	-0.0642	-0.0052	0.0039	-0.0009	-0.0003
	0.99	CORREAS	3.11E-01	2.67E-03	-1.36E-03		COMB5	2.9213	2.9147	0.0211	0.0302	0.0116	-0.0138
	0.00	VIVA	1.18E+00	1.04E-02	4.93E-03		COMB6	0.2038	0.1972	-0.0029	0.0062	0.0002	-0.0015
	0.99	VIVA	1.18E+00	1.04E-02	-5.34E-03		COMB7	3.3799	3.7640	0.0263	0.0377	0.0137	-0.0177
	0.00	VIENTO	1.70E+00	1.50E-02	7.12E-03		COMB8	-1.0361	-1.0411	-0.0127	-0.0058	-0.0048	0.0043
	0.99	VIENTO	1.70E+00	1.50E-02	-7.72E-03		COMB9	2.3060	2.2994	0.0157	0.0248	0.0090	-0.0096
	0.00	ESPECTRO	1.56E-01	1.41E-03	6.90E-04		COMB10	1.3275	1.3226	0.0082	0.0151	0.0051	-0.0050
	0.99	ESPECTRO	1.56E-01	1.41E-03	7.06E-04								
364	0.00	DEAD	7.27E-01	3.74E-03	3.19E-03	364							
	0.98	DEAD	7.21E-01	1.10E-02	-4.03E-03		COMB1	1.9084	1.9004	0.0144	0.0247	0.0091	-0.0100
	0.00	COBERT	3.19E-01	3.28E-03	1.63E-03		COMB2	3.6762	3.6693	0.0334	0.0421	0.0182	-0.0186
	0.98	COBERT	3.19E-01	3.28E-03	-1.57E-03		COMB3	4.6684	4.6615	0.0436	0.0523	0.0233	-0.0235
	0.00	CORREAS	3.17E-01	3.30E-03	1.65E-03		COMB4	-0.1216	-0.1285	-0.0057	0.0031	-0.0012	0.0000
	0.98	CORREAS	3.17E-01	3.30E-03	-1.57E-03		COMB5	3.1096	3.1027	0.0275	0.0363	0.0153	-0.0159
	0.00	VIVA	1.28E+00	1.31E-02	6.54E-03		COMB6	0.1619	0.1550	-0.0028	0.0060	0.0002	-0.0014
	0.98	VIVA	1.28E+00	1.31E-02	-6.27E-03		COMB7	3.6218	4.0239	0.0339	0.0458	0.0181	-0.0204
	0.00	VIENTO	1.84E+00	1.89E-02	9.45E-03		COMB8	-1.1682	-1.1733	-0.0153	-0.0088	-0.0065	0.0053
	0.98	VIENTO	1.84E+00	1.89E-02	-9.06E-03		COMB9	2.4397	2.4328	0.0208	0.0295	0.0120	-0.0109
	0.00	ESPECTRO	1.66E-01	1.83E-03	9.31E-04		COMB10	1.3931	1.3879	0.0111	0.0177	0.0068	-0.0056
	0.98	ESPECTRO	1.66E-01	1.83E-03	8.59E-04								
365	0.00	DEAD	6.80E-01	4.08E-03	3.25E-03	365							
	0.96	DEAD	6.74E-01	1.11E-02	-4.05E-03		COMB1	1.8098	1.8015	0.0153	0.0251	0.0093	-0.0102
	0.00	COBERT	3.08E-01	3.51E-03	1.73E-03		COMB2	3.5224	3.5152	0.0356	0.0440	0.0191	-0.0193
	0.96	COBERT	3.08E-01	3.51E-03	-1.65E-03		COMB3	4.4809	4.4737	0.0465	0.0549	0.0245	-0.0245
	0.00	CORREAS	3.05E-01	3.37E-03	1.66E-03		COMB4	-0.1464	-0.1536	-0.0062	0.0022	-0.0016	0.0004
	0.96	CORREAS	3.05E-01	3.37E-03	-1.59E-03		COMB5	2.9751	2.9679	0.0294	0.0377	0.0160	-0.0164
	0.00	VIVA	1.23E+00	1.40E-02	6.94E-03		COMB6	0.1275	0.1203	-0.0031	0.0053	0.0000	-0.0011
	0.96	VIVA	1.23E+00	1.40E-02	-6.60E-03		COMB7	3.4771	3.8578	0.0362	0.0479	0.0190	-0.0211
	0.00	VIENTO	1.78E+00	2.03E-02	1.00E-02		COMB8	-1.1502	-1.1556	-0.0165	-0.0102	-0.0070	0.0058
	0.96	VIENTO	1.78E+00	2.03E-02	-9.54E-03		COMB9	2.3198	2.3127	0.0220	0.0304	0.0124	-0.0112
	0.00	ESPECTRO	1.53E-01	1.88E-03	9.38E-04		COMB10	1.3161	1.3107	0.0117	0.0180	0.0069	-0.0057
	0.96	ESPECTRO	1.53E-01	1.88E-03	8.73E-04								
366	0.00	DEAD	5.74E-01	3.72E-03	2.97E-03	366							
	0.95	DEAD	5.68E-01	1.04E-02	-3.73E-03		COMB1	1.5250	1.5164	0.0143	0.0236	0.0086	-0.0095
	0.00	COBERT	2.64E-01	3.37E-03	1.65E-03		COMB2	2.9992	2.9918	0.0338	0.0418	0.0179	-0.0181
	0.95	COBERT	2.64E-01	3.37E-03	-1.56E-03		COMB3	3.8221	3.8147	0.0443	0.0523	0.0230	-0.0230
	0.00	CORREAS	2.51E-01	3.15E-03	1.53E-03		COMB4	-0.1502	-0.1576	-0.0063	0.0017	-0.0017	0.0005
	0.95	CORREAS	2.51E-01	3.15E-03	-1.46E-03		COMB5	2.5294	2.5220	0.0279	0.0358	0.0150	-0.0153
	0.00	VIVA	1.06E+00	1.35E-02	6.58E-03		COMB6	0.0849	0.0775	-0.0033	0.0047	-0.0002	-0.0009
	0.95	VIVA	1.06E+00	1.35E-02	-6.25E-03		COMB7	2.9665	3.2859	0.0345	0.0456	0.0179	-0.0198
	0.00	VIENTO	1.53E+00	1.95E-02	9.51E-03		COMB8	-1.0058	-1.0113	-0.0161	-0.0101	-0.0068	0.0057
	0.95	VIENTO	1.53E+00	1.95E-02	-9.03E-03		COMB9	1.9565	1.9491	0.0207	0.0287	0.0115	-0.0105
	0.00	ESPECTRO	1.21E-01	1.70E-03	8.37E-04		COMB10	1.1010	1.0954	0.0109	0.0169	0.0064	-0.0053
	0.95	ESPECTRO	1.21E-01	1.70E-03	7.80E-04								
	0.00	DEAD	4.36E-01	2.72E-03	2.37E-03								
	0.94	DEAD	4.29E-01	9.02E-03	-3.14E-03		COMB1	1.1736	1.1647	0.0115	0.0203	0.0070	-0.0080
	0.00	COBERT	2.03E-01	2.87E-03	1.37E-03		COMB2	2.3058	2.2981	0.0283	0.0358	0.0148	-0.0153
	0.94	COBERT	2.03E-01	2.87E-03	-1.33E-03		COMB3	2.9378	2.9302	0.0372	0.0448	0.0191	-0.0195
	0.00	CORREAS	1.99E-01	2.64E-03	1.26E-03		COMB4	-0.1135	-0.1212	-0.0060	0.0016	-0.0016	0.0005

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO AS-5 (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames						ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
ELE.	Stat.	OutputCase	P	V2	M3								
Text	m	Text	Ton	Ton	Ton-m								
367	0.94	CORREAS	1.99E-01	2.64E-03	-1.22E-03	367	COMB5	1.9448	1.9372	0.0232	0.0307	0.0124	-0.0130
	0.00	VIVA	8.12E-01	1.15E-02	5.49E-03		COMB6	0.0671	0.0594	-0.0034	0.0042	-0.0003	-0.0007
	0.94	VIVA	8.12E-01	1.15E-02	-5.31E-03		COMB7	2.2802	2.5240	0.0290	0.0390	0.0148	-0.0168
	0.00	VIENTO	1.17E+00	1.66E-02	7.93E-03		COMB8	-0.7712	-0.7769	-0.0142	-0.0085	-0.0058	0.0048
	0.94	VIENTO	1.17E+00	1.66E-02	-7.67E-03		COMB9	1.4922	1.4845	0.0169	0.0245	0.0094	-0.0089
	0.00	ESPECTRO	8.00E-02	1.32E-03	6.34E-04		COMB10	0.8345	0.8288	0.0087	0.0144	0.0051	-0.0045
	0.94	ESPECTRO	8.00E-02	1.32E-03	6.05E-04								
368	0.00	DEAD	2.91E-01	1.46E-03	1.67E-03								
	0.93	DEAD	2.84E-01	7.41E-03	-2.44E-03		COMB1	0.7804	0.7713	0.0080	0.0163	0.0051	-0.0062
	0.00	COBERT	1.39E-01	2.24E-03	1.04E-03		COMB2	1.5571	1.5492	0.0212	0.0283	0.0111	-0.0119
	0.93	COBERT	1.39E-01	2.24E-03	-1.03E-03		COMB3	1.9889	1.9811	0.0281	0.0353	0.0143	-0.0151
	0.00	CORREAS	1.28E-01	2.02E-03	9.46E-04		COMB4	-0.0960	-0.1038	-0.0055	0.0017	-0.0014	0.0004
	0.93	CORREAS	1.28E-01	2.02E-03	-9.28E-04	368	COMB5	1.3105	1.3026	0.0172	0.0243	0.0092	-0.0100
	0.00	VIVA	5.55E-01	8.94E-03	4.17E-03		COMB6	0.0274	0.0196	-0.0035	0.0037	-0.0004	-0.0005
	0.93	VIVA	5.55E-01	8.94E-03	-4.12E-03		COMB7	1.5442	1.7036	0.0219	0.0308	0.0111	-0.0130
	0.00	VIENTO	8.02E-01	1.29E-02	6.03E-03		COMB8	-0.5407	-0.5466	-0.0116	-0.0063	-0.0045	0.0038
	0.93	VIENTO	8.02E-01	1.29E-02	-5.95E-03		COMB9	0.9864	0.9786	0.0122	0.0193	0.0069	-0.0069
	0.00	ESPECTRO	3.99E-02	8.72E-04	4.09E-04		COMB10	0.5416	0.5358	0.0060	0.0114	0.0037	-0.0036
	0.93	ESPECTRO	3.99E-02	8.72E-04	4.00E-04								
369	0.00	DEAD	1.56E-01	1.80E-04	1.00E-03								
	0.91	DEAD	1.50E-01	5.78E-03	-1.73E-03		COMB1	0.4407	0.4314	0.0044	0.0123	0.0033	-0.0043
	0.00	COBERT	7.94E-02	1.59E-03	7.30E-04		COMB2	0.8859	0.8779	0.0140	0.0207	0.0075	-0.0083
	0.91	COBERT	7.94E-02	1.59E-03	-7.26E-04		COMB3	1.1329	1.1249	0.0189	0.0257	0.0098	-0.0106
	0.00	CORREAS	7.89E-02	1.39E-03	6.38E-04		COMB4	-0.0599	-0.0679	-0.0050	0.0017	-0.0012	0.0003
	0.91	CORREAS	7.89E-02	1.39E-03	-6.30E-04	369	COMB5	0.7448	0.7368	0.0111	0.0179	0.0062	-0.0071
	0.00	VIVA	3.18E-01	6.37E-03	2.92E-03		COMB6	0.0107	0.0027	-0.0036	0.0032	-0.0005	-0.0003
	0.91	VIVA	3.18E-01	6.37E-03	-2.91E-03		COMB7	0.8797	0.9662	0.0148	0.0225	0.0076	-0.0092
	0.00	VIENTO	4.59E-01	9.20E-03	4.22E-03		COMB8	-0.3131	-0.3191	-0.0091	-0.0041	-0.0033	0.0027
	0.91	VIENTO	4.59E-01	9.20E-03	-4.20E-03		COMB9	0.5479	0.5399	0.0074	0.0142	0.0045	-0.0049
	0.00	ESPECTRO	1.13E-02	4.72E-04	2.14E-04		COMB10	0.2947	0.2886	0.0033	0.0084	0.0023	-0.0026
	0.91	ESPECTRO	1.13E-02	4.72E-04	2.17E-04								
370	0.00	DEAD	4.18E-02	-1.05E-03	3.70E-04								
	0.90	DEAD	3.50E-02	4.20E-03	-1.05E-03		COMB1	0.1260	0.1165	0.0011	0.0084	0.0017	-0.0026
	0.00	COBERT	2.80E-02	1.02E-03	4.59E-04		COMB2	0.2875	0.2793	0.0074	0.0137	0.0044	-0.0052
	0.90	COBERT	2.80E-02	1.02E-03	-4.60E-04		COMB3	0.3747	0.3666	0.0106	0.0169	0.0058	-0.0066
	0.00	CORREAS	2.02E-02	8.02E-04	3.65E-04		COMB4	-0.0465	-0.0547	-0.0047	0.0016	-0.0011	0.0003
	0.90	CORREAS	2.02E-02	8.02E-04	-3.58E-04	370	COMB5	0.2376	0.2295	0.0056	0.0119	0.0036	-0.0044
	0.00	VIVA	1.12E-01	4.07E-03	1.83E-03		COMB6	-0.0216	-0.0298	-0.0038	0.0025	-0.0007	-0.0001
	0.90	VIVA	1.12E-01	4.07E-03	-1.84E-03		COMB7	0.2917	0.3105	0.0083	0.0149	0.0045	-0.0057
	0.00	VIENTO	1.62E-01	5.89E-03	2.65E-03		COMB8	-0.1296	-0.1357	-0.0070	-0.0022	-0.0024	0.0018
	0.90	VIENTO	1.62E-01	5.89E-03	-2.66E-03		COMB9	0.1891	0.1809	0.0032	0.0095	0.0024	-0.0031
	0.00	ESPECTRO	2.50E-02	1.93E-04	8.49E-05		COMB10	0.1060	0.0999	0.0009	0.0056	0.0012	-0.0016
	0.90	ESPECTRO	2.50E-02	1.93E-04	8.91E-05								
371	0.00	DEAD	-4.45E-02	-2.47E-03	-3.05E-04								
	0.89	DEAD	-5.14E-02	2.42E-03	-2.84E-04		COMB1	-0.0926	-0.1023	-0.0027	0.0041	-0.0001	-0.0007
	0.00	COBERT	-1.28E-02	3.47E-04	1.62E-04		COMB2	-0.1612	-0.1695	-0.0001	0.0058	0.0010	-0.0015
	0.89	COBERT	-1.28E-02	3.47E-04	-1.47E-04		COMB3	-0.2010	-0.2093	0.0010	0.0068	0.0015	-0.0020
	0.00	CORREAS	-8.86E-03	1.83E-04	9.38E-05		COMB4	-0.0089	-0.0172	-0.0042	0.0016	-0.0010	0.0002
	0.89	CORREAS	-8.86E-03	1.83E-04	-6.93E-05	371	COMB5	-0.1385	-0.1468	-0.0007	0.0051	0.0007	-0.0013
	0.00	VIVA	-5.11E-02	1.39E-03	6.46E-04		COMB6	-0.0203	-0.0286	-0.0039	0.0019	-0.0008	0.0001
	0.89	VIVA	-5.11E-02	1.39E-03	-5.88E-04		COMB7	-0.1556	-0.1837	0.0009	0.0061	0.0012	-0.0017
	0.00	VIENTO	-7.39E-02	2.01E-03	9.33E-04		COMB8	0.0365	0.0303	-0.0044	0.0001	-0.0013	0.0007
	0.89	VIENTO	-7.39E-02	2.01E-03	-8.49E-04		COMB9	-0.0655	-0.0737	-0.0011	0.0048	0.0005	-0.0006
	0.00	ESPECTRO	3.95E-02	5.82E-04	2.53E-04		COMB10	-0.0200	-0.0262	-0.0012	0.0032	0.0002	-0.0002
	0.89	ESPECTRO	3.95E-02	5.82E-04	2.64E-04								
372	0.00	DEAD	-1.08E-01	-3.89E-03	-9.64E-04								
	0.88	DEAD	-1.15E-01	6.50E-04	4.54E-04		COMB1	-0.2747	-0.2845	-0.0068	-0.0004	-0.0019	0.0013
	0.00	COBERT	-4.16E-02	-4.14E-04	-1.70E-04		COMB2	-0.5020	-0.5104	-0.0085	-0.0030	-0.0027	0.0023
	0.88	COBERT	-4.16E-02	-4.14E-04	1.93E-04		COMB3	-0.6316	-0.6400	-0.0097	-0.0043	-0.0032	0.0029
	0.00	CORREAS	-4.70E-02	-5.37E-04	-2.17E-04		COMB4	-0.0058	-0.0142	-0.0035	0.0019	-0.0007	0.0000
	0.88	CORREAS	-4.70E-02	-5.37E-04	2.54E-04	372	COMB5	-0.4280	-0.4364	-0.0077	-0.0023	-0.0024	0.0020
	0.00	VIVA	-1.67E-01	-1.66E-03	-6.79E-04		COMB6	-0.0429	-0.0513	-0.0039	0.0016	-0.0008	0.0002
	0.88	VIVA	-1.67E-01	-1.66E-03	7.71E-04		COMB7	-0.4894	-0.5567	-0.0075	-0.0035	-0.0025	0.0025
	0.00	VIENTO	-2.41E-01	-2.39E-03	-9.81E-04		COMB8	0.1363	0.1300	-0.0012	0.0028	0.0001	-0.0006
	0.88	VIENTO	-2.41E-01	-2.39E-03	1.11E-03		COMB9	-0.2734	-0.2818	-0.0058	-0.0003	-0.0016	0.0018
	0.00	ESPECTRO	4.53E-02	8.50E-04	3.62E-04		COMB10	-0.1313	-0.1376	-0.0035	0.0006	-0.0009	0.0012
	0.88	ESPECTRO	4.53E-02	8.50E-04	3.83E-04								
373	0.00	DEAD	-1.47E-01	-4.74E-03	-1.34E-03								
	0.86	DEAD	-1.54E-01	-5.59E-04	9.46E-04		COMB1	-0.3648	-0.3747	-0.0092	-0.0034	-0.0029	0.0025
	0.00	COBERT	-5.82E-02	-8.67E-04	-3.46E-04		COMB2	-0.6852	-0.6937	-0.0135	-0.0085	-0.0047	0.0047
	0.86	COBERT	-5.82E-02	-8.67E-04	4.02E-04		COMB3	-0.8663	-0.8748	-0.0162	-0.0112	-0.0058	0.0060
	0.00	CORREAS	-5.50E-02	-9.98E-04	-3.99E-04		COMB4	0.0081	-0.0004	-0.0032	0.0019	-0.0006	0.0000
	0.86	CORREAS	-5.50E-02	-9.98E-04	4.62E-04	373	COMB5	-0.5817	-0.5902	-0.0119	-0.0069	-0.0041	0.0040
	0.00	VIVA	-2.33E-01	-3.47E-03	-1.38E-03		COMB6	-0.0436	-0.0521	-0.0039	0.0011	-0.0009	0.0003
	0.86	VIVA	-2.33E-01	-3.47E-03	1.61E-03		COMB7	-0.6717	-0.7584	-0.0125	-0.0094	-0.0045	0.0052
	0.00	VIENTO	-3.36E-01	-5.01E-03	-2.00E-03		COMB8	0.2027	0.1963	0.0006	0.0043	0.0007	-0.0014

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO AS-5 (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames													
ELE.	Stat.	OutputCase	P	V2	M3	ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
Text	m	Text	Ton	Ton	Ton-m								
	0.86	VIENTO	-3.36E-01	-5.01E-03	2.32E-03		COMB9	-0.3875	-0.3960	-0.0087	-0.0037	-0.0028	0.0034
	0.00	ESPECTRO	4.16E-02	9.17E-04	3.76E-04		COMB10	-0.1929	-0.1993	-0.0050	-0.0013	-0.0015	0.0020
	0.86	ESPECTRO	4.16E-02	9.17E-04	4.15E-04								
	0.00	DEAD	-1.67E-01	-5.53E-03	-1.69E-03								
	0.85	DEAD	-1.75E-01	-1.70E-03	1.38E-03		COMB1	-0.4319	-0.4418	-0.0115	-0.0062	-0.0039	0.0036
	0.00	COBERT	-6.62E-02	-1.26E-03	-5.01E-04		COMB2	-0.7936	-0.8022	-0.0179	-0.0133	-0.0065	0.0068
	0.85	COBERT	-6.62E-02	-1.26E-03	5.68E-04		COMB3	-0.9995	-1.0081	-0.0218	-0.0172	-0.0081	0.0085
	0.00	CORREAS	-7.49E-02	-1.43E-03	-5.68E-04		COMB4	-0.0055	-0.0140	-0.0029	0.0017	-0.0006	0.0000
374	0.85	CORREAS	-7.49E-02	-1.43E-03	6.51E-04	374	COMB5	-0.6760	-0.6846	-0.0157	-0.0111	-0.0056	0.0057
	0.00	VIVA	-2.65E-01	-5.03E-03	-2.00E-03		COMB6	-0.0643	-0.0729	-0.0041	0.0005	-0.0010	0.0005
	0.85	VIVA	-2.65E-01	-5.03E-03	2.27E-03		COMB7	-0.7747	-0.8758	-0.0168	-0.0147	-0.0062	0.0074
	0.00	VIENTO	-3.82E-01	-7.26E-03	-2.89E-03		COMB8	0.2194	0.2130	0.0020	0.0055	0.0013	-0.0019
	0.85	VIENTO	-3.82E-01	-7.26E-03	3.28E-03		COMB9	-0.4722	-0.4808	-0.0114	-0.0068	-0.0039	0.0047
	0.00	ESPECTRO	3.03E-02	9.48E-04	3.81E-04		COMB10	-0.2474	-0.2538	-0.0065	-0.0030	-0.0021	0.0028
	0.85	ESPECTRO	3.03E-02	9.48E-04	4.25E-04								
	0.00	DEAD	-2.64E-01	-6.29E-03	-1.86E-03								
	0.84	DEAD	-2.71E-01	-2.81E-03	1.95E-03		COMB1	-0.6678	-0.6778	-0.0135	-0.0086	-0.0042	0.0050
	0.00	COBERT	-1.06E-01	-1.47E-03	-4.84E-04		COMB2	-1.2482	-1.2568	-0.0210	-0.0168	-0.0067	0.0091
	0.84	COBERT	-1.06E-01	-1.47E-03	7.49E-04		COMB3	-1.5769	-1.5855	-0.0256	-0.0214	-0.0082	0.0114
	0.00	CORREAS	-1.08E-01	-1.85E-03	-6.57E-04		COMB4	0.0097	0.0011	-0.0034	0.0008	-0.0009	0.0002
	0.84	CORREAS	-1.08E-01	-1.85E-03	8.92E-04		COMB5	-1.0606	-1.0692	-0.0184	-0.0142	-0.0058	0.0078
375	0.00	VIVA	-4.22E-01	-5.89E-03	-1.94E-03	375	COMB6	-0.0843	-0.0929	-0.0047	-0.0006	-0.0014	0.0008
	0.84	VIVA	-4.22E-01	-5.89E-03	3.00E-03		COMB7	-1.2226	-1.3743	-0.0197	-0.0184	-0.0063	0.0099
	0.00	VIENTO	-6.10E-01	-8.51E-03	-2.80E-03		COMB8	0.3640	0.3575	0.0024	0.0055	0.0009	-0.0024
	0.84	VIENTO	-6.10E-01	-8.51E-03	4.33E-03		COMB9	-0.7381	-0.7467	-0.0137	-0.0095	-0.0043	0.0062
	0.00	ESPECTRO	4.55E-02	8.27E-04	2.54E-04		COMB10	-0.3838	-0.3902	-0.0078	-0.0047	-0.0024	0.0037
	0.84	ESPECTRO	4.55E-02	8.27E-04	4.41E-04								
	0.00	DEAD	-2.60E-01	-6.15E-03	-2.01E-03								
	0.82	DEAD	-2.67E-01	-3.01E-03	1.77E-03		COMB1	-0.7055	-0.7155	-0.0137	-0.0093	-0.0048	0.0046
	0.00	COBERT	-1.26E-01	-1.71E-03	-6.91E-04		COMB2	-1.4120	-1.4207	-0.0227	-0.0189	-0.0086	0.0086
	0.82	COBERT	-1.26E-01	-1.71E-03	7.17E-04		COMB3	-1.8046	-1.8133	-0.0280	-0.0242	-0.0107	0.0108
	0.00	CORREAS	-1.18E-01	-1.92E-03	-7.57E-04		COMB4	0.0907	0.0820	-0.0023	0.0015	-0.0003	0.0000
376	0.82	CORREAS	-1.18E-01	-1.92E-03	8.24E-04	376	COMB5	-1.1879	-1.1965	-0.0196	-0.0159	-0.0073	0.0073
	0.00	VIVA	-5.05E-01	-6.84E-03	-2.77E-03		COMB6	-0.0215	-0.0302	-0.0038	-0.0001	-0.0009	0.0007
	0.82	VIVA	-5.05E-01	-6.84E-03	2.87E-03		COMB7	-1.4012	-1.5610	-0.0216	-0.0208	-0.0083	0.0094
	0.00	VIENTO	-7.29E-01	-9.88E-03	-3.99E-03		COMB8	0.4941	0.4876	0.0040	0.0069	0.0021	-0.0024
	0.82	VIENTO	-7.29E-01	-9.88E-03	4.14E-03		COMB9	-0.8279	-0.8365	-0.0145	-0.0108	-0.0052	0.0056
	0.00	ESPECTRO	2.91E-02	6.31E-04	2.79E-04		COMB10	-0.4244	-0.4309	-0.0082	-0.0053	-0.0028	0.0032
	0.82	ESPECTRO	2.91E-02	6.31E-04	2.43E-04								
	0.00	DEAD	-2.62E-01	-6.99E-04	-8.79E-04								
	0.63	DEAD	-2.68E-01	1.48E-03	-1.13E-03		COMB1	-0.6992	-0.7071	-0.0007	0.0023	-0.0023	-0.0028
	0.00	COBERT	-1.29E-01	1.11E-04	-4.24E-04		COMB2	-1.4227	-1.4294	0.0001	0.0027	-0.0047	-0.0055
	0.63	COBERT	-1.29E-01	1.11E-04	-4.95E-04		COMB3	-1.8230	-1.8298	0.0004	0.0031	-0.0060	-0.0071
	0.00	CORREAS	-1.09E-01	7.84E-05	-3.12E-04		COMB4	0.1098	0.1030	-0.0012	0.0014	0.0004	0.0003
377	0.63	CORREAS	-1.09E-01	7.84E-05	-3.62E-04	377	COMB5	-1.1941	-1.2008	-0.0001	0.0025	-0.0039	-0.0047
	0.00	VIVA	-5.15E-01	4.45E-04	-1.70E-03		COMB6	-0.0046	-0.0114	-0.0011	0.0015	0.0000	-0.0001
	0.63	VIVA	-5.15E-01	4.45E-04	-1.98E-03		COMB7	-1.4159	-1.5725	0.0004	0.0028	-0.0046	-0.0061
	0.00	VIENTO	-7.43E-01	6.43E-04	-2.45E-03		COMB8	0.5169	0.5119	-0.0013	0.0007	0.0017	0.0019
	0.63	VIENTO	-7.43E-01	6.43E-04	-2.86E-03		COMB9	-0.8260	-0.8327	0.0022	0.0048	-0.0020	-0.0025
	0.00	ESPECTRO	3.06E-02	2.57E-03	7.57E-04		COMB10	-0.4189	-0.4239	0.0021	0.0041	-0.0007	-0.0009
	0.63	ESPECTRO	3.06E-02	2.57E-03	8.79E-04								
	0.00	DEAD	2.80E-02	-1.43E-03	4.70E-04								
	1.00	DEAD	2.28E-02	6.51E-03	-2.07E-03		COMB1	0.0496	0.0423	0.0021	0.0132	0.0024	-0.0052
	0.00	COBERT	-4.75E-03	1.59E-03	7.23E-04		COMB2	0.0121	0.0058	0.0120	0.0215	0.0067	-0.0100
	1.00	COBERT	-4.75E-03	1.59E-03	-8.69E-04		COMB3	-0.0027	-0.0090	0.0169	0.0265	0.0090	-0.0127
	0.00	CORREAS	1.22E-02	1.32E-03	5.44E-04		COMB4	0.0687	0.0624	-0.0070	0.0025	-0.0019	0.0003
1668	1.00	CORREAS	1.22E-02	1.32E-03	-7.75E-04	1668	COMB5	0.0206	0.0143	0.0091	0.0187	0.0054	-0.0085
	0.00	VIVA	-1.90E-02	6.37E-03	2.89E-03		COMB6	0.0645	0.0582	-0.0056	0.0039	-0.0013	-0.0004
	1.00	VIVA	-1.90E-02	6.37E-03	-3.48E-03		COMB7	-0.0038	0.0005	0.0133	0.0233	0.0070	-0.0110
	0.00	VIENTO	-2.75E-02	9.20E-03	4.18E-03		COMB8	0.0676	0.0629	-0.0106	-0.0035	-0.0039	0.0032
	1.00	VIENTO	-2.75E-02	9.20E-03	-5.02E-03		COMB9	0.0431	0.0368	0.0060	0.0156	0.0040	-0.0056
	0.00	ESPECTRO	1.01E-02	1.06E-03	4.41E-04		COMB10	0.0420	0.0372	0.0024	0.0095	0.0020	-0.0027
	1.00	ESPECTRO	1.01E-02	1.06E-03	6.17E-04								
	0.00	DEAD	7.38E-01	3.07E-03	2.75E-03								
	0.99	DEAD	7.33E-01	1.07E-02	-4.05E-03		COMB1	1.9192	1.9115	0.0126	0.0233	0.0078	-0.0099
	0.00	COBERT	3.17E-01	3.00E-03	1.42E-03		COMB2	3.6735	3.6669	0.0300	0.0391	0.0158	-0.0184
	0.99	COBERT	3.17E-01	3.00E-03	-1.54E-03		COMB3	4.6599	4.6532	0.0393	0.0485	0.0202	-0.0231
	0.00	CORREAS	3.16E-01	2.94E-03	1.41E-03		COMB4	-0.1020	-0.1086	-0.0057	0.0034	-0.0011	0.0000
1669	0.99	CORREAS	3.16E-01	2.94E-03	-1.50E-03	1669	COMB5	3.1103	3.1036	0.0247	0.0338	0.0133	-0.0156
	0.00	VIVA	1.27E+00	1.20E-02	5.69E-03		COMB6	0.1799	0.1733	-0.0030	0.0061	0.0001	-0.0014
	0.99	VIVA	1.27E+00	1.20E-02	-6.16E-03		COMB7	3.6147	4.0194	0.0306	0.0425	0.0157	-0.0201
	0.00	VIENTO	1.83E+00	1.73E-02	8.22E-03		COMB8	-1.1471	-1.1521	-0.0144	-0.0075	-0.0057	0.0052
	0.99	VIENTO	1.83E+00	1.73E-02	-8.90E-03		COMB9	2.5203	2.5136	0.0192	0.0283	0.0107	-0.0104
	0.00	ESPECTRO	2.41E-01	2.39E-03	1.15E-03		COMB10	1.4751	1.4701	0.0105	0.0174	0.0062	-0.0052
	0.99	ESPECTRO	2.41E-01	2.39E-03	1.21E-03								
	0.00	DEAD	7.41E-01	4.13E-03	3.38E-03								

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO AS-5 (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames													
ELE.	Stat.	OutputCase	P	V2	M3	ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
Text	m	Text	Ton	Ton	Ton-m								
1670	0.98	DEAD	7.35E-01	1.14E-02	-4.23E-03	1670	COMB1	1.9516	1.9436	0.0154	0.0257	0.0095	-0.0105
	0.00	COBERT	3.28E-01	3.49E-03	1.74E-03		COMB2	3.7727	3.7658	0.0356	0.0444	0.0193	-0.0197
	0.98	COBERT	3.28E-01	3.49E-03	-1.67E-03		COMB3	4.7939	4.7870	0.0465	0.0552	0.0247	-0.0250
	0.00	CORREAS	3.25E-01	3.40E-03	1.70E-03		COMB4	-0.1359	-0.1428	-0.0060	0.0027	-0.0014	0.0002
	0.98	CORREAS	3.25E-01	3.40E-03	-1.62E-03		COMB5	3.1897	3.1828	0.0294	0.0381	0.0162	-0.0168
	0.00	VIVA	1.31E+00	1.40E-02	6.95E-03		COMB6	0.1559	0.1490	-0.0029	0.0059	0.0001	-0.0013
	0.98	VIVA	1.31E+00	1.40E-02	-6.70E-03		COMB7	3.7195	4.1308	0.0362	0.0482	0.0192	-0.0216
	0.00	VIENTO	1.90E+00	2.02E-02	1.00E-02		COMB8	-1.2103	-1.2155	-0.0163	-0.0097	-0.0069	0.0058
	0.98	VIENTO	1.90E+00	2.02E-02	-9.67E-03		COMB9	2.5643	2.5574	0.0228	0.0316	0.0130	-0.0111
	0.00	ESPECTRO	2.35E-01	2.62E-03	1.31E-03		COMB10	1.4899	1.4847	0.0125	0.0191	0.0074	-0.0055
	0.98	ESPECTRO	2.35E-01	2.62E-03	1.25E-03								
1671	0.00	DEAD	6.71E-01	4.21E-03	3.31E-03	1671							
	0.96	DEAD	6.65E-01	1.12E-02	-4.12E-03		COMB1	1.7726	1.7643	0.0156	0.0254	0.0094	-0.0104
	0.00	COBERT	3.06E-01	3.60E-03	1.77E-03		COMB2	3.4809	3.4738	0.0364	0.0448	0.0194	-0.0197
	0.96	COBERT	3.06E-01	3.60E-03	-1.70E-03		COMB3	4.4348	4.4277	0.0476	0.0560	0.0250	-0.0250
	0.00	CORREAS	2.88E-01	3.37E-03	1.66E-03		COMB4	-0.1701	-0.1772	-0.0064	0.0020	-0.0017	0.0005
	0.96	CORREAS	2.88E-01	3.37E-03	-1.59E-03		COMB5	2.9363	2.9291	0.0300	0.0384	0.0163	-0.0167
	0.00	VIVA	1.23E+00	1.44E-02	7.09E-03		COMB6	0.1025	0.0954	-0.0032	0.0052	-0.0001	-0.0010
	0.96	VIVA	1.23E+00	1.44E-02	-6.78E-03		COMB7	3.4420	3.8147	0.0371	0.0488	0.0194	-0.0216
	0.00	VIENTO	1.77E+00	2.08E-02	1.02E-02		COMB8	-1.1629	-1.1683	-0.0170	-0.0107	-0.0073	0.0061
	0.96	VIENTO	1.77E+00	2.08E-02	-9.80E-03		COMB9	2.3393	2.3321	0.0231	0.0315	0.0129	-0.0111
	0.00	ESPECTRO	2.07E-01	2.53E-03	1.25E-03		COMB10	1.3465	1.3411	0.0126	0.0189	0.0073	-0.0055
	0.96	ESPECTRO	2.07E-01	2.53E-03	1.19E-03								
1672	0.00	DEAD	5.48E-01	3.65E-03	2.94E-03	1672							
	0.95	DEAD	5.42E-01	1.03E-02	-3.69E-03		COMB1	1.4676	1.4589	0.0141	0.0234	0.0085	-0.0093
	0.00	COBERT	2.55E-01	3.36E-03	1.64E-03		COMB2	2.8923	2.8849	0.0336	0.0416	0.0178	-0.0180
	0.95	COBERT	2.55E-01	3.36E-03	-1.56E-03		COMB3	3.6870	3.6796	0.0441	0.0520	0.0229	-0.0228
	0.00	CORREAS	2.44E-01	3.06E-03	1.49E-03		COMB4	-0.1497	-0.1571	-0.0064	0.0015	-0.0018	0.0006
	0.95	CORREAS	2.44E-01	3.06E-03	-1.42E-03		COMB5	2.4385	2.4311	0.0276	0.0356	0.0149	-0.0152
	0.00	VIVA	1.02E+00	1.34E-02	6.57E-03		COMB6	0.0774	0.0700	-0.0035	0.0045	-0.0003	-0.0008
	0.95	VIVA	1.02E+00	1.34E-02	-6.23E-03		COMB7	2.8618	3.1689	0.0343	0.0453	0.0178	-0.0197
	0.00	VIENTO	1.48E+00	1.94E-02	9.49E-03		COMB8	-0.9749	-0.9805	-0.0162	-0.0102	-0.0069	0.0057
	0.95	VIENTO	1.48E+00	1.94E-02	-9.01E-03		COMB9	1.9308	1.9234	0.0210	0.0290	0.0117	-0.0101
	0.00	ESPECTRO	1.62E-01	2.24E-03	1.10E-03		COMB10	1.1056	1.1000	0.0113	0.0173	0.0066	-0.0050
	0.95	ESPECTRO	1.62E-01	2.24E-03	1.03E-03								
1673	0.00	DEAD	3.97E-01	2.50E-03	2.28E-03	1673							
	0.94	DEAD	3.90E-01	8.80E-03	-3.03E-03		COMB1	1.0597	1.0508	0.0109	0.0198	0.0068	-0.0077
	0.00	COBERT	1.89E-01	2.81E-03	1.35E-03		COMB2	2.1155	2.1079	0.0273	0.0349	0.0144	-0.0148
	0.94	COBERT	1.89E-01	2.81E-03	-1.29E-03		COMB3	2.7025	2.6949	0.0361	0.0436	0.0186	-0.0188
	0.00	CORREAS	1.72E-01	2.51E-03	1.20E-03		COMB4	-0.1314	-0.1390	-0.0061	0.0015	-0.0016	0.0005
	0.94	CORREAS	1.72E-01	2.51E-03	-1.15E-03		COMB5	1.7803	1.7727	0.0223	0.0299	0.0120	-0.0125
	0.00	VIVA	7.54E-01	1.12E-02	5.38E-03		COMB6	0.0364	0.0287	-0.0036	0.0040	-0.0004	-0.0006
	0.94	VIVA	7.54E-01	1.12E-02	-5.16E-03		COMB7	2.0982	2.3177	0.0281	0.0380	0.0145	-0.0163
	0.00	VIENTO	1.09E+00	1.62E-02	7.78E-03		COMB8	-0.7357	-0.7414	-0.0140	-0.0084	-0.0058	0.0048
	0.94	VIENTO	1.09E+00	1.62E-02	-7.46E-03		COMB9	1.3945	1.3869	0.0168	0.0243	0.0093	-0.0083
	0.00	ESPECTRO	1.09E-01	1.76E-03	8.50E-04		COMB10	0.7902	0.7845	0.0088	0.0145	0.0052	-0.0041
	0.94	ESPECTRO	1.09E-01	1.76E-03	8.05E-04								
1674	0.00	DEAD	2.40E-01	1.11E-03	1.53E-03	1674							
	0.93	DEAD	2.33E-01	7.06E-03	-2.26E-03		COMB1	0.6622	0.6531	0.0071	0.0154	0.0048	-0.0057
	0.00	COBERT	1.19E-01	2.12E-03	1.00E-03		COMB2	1.3319	1.3241	0.0197	0.0268	0.0105	-0.0111
	0.93	COBERT	1.19E-01	2.12E-03	-9.67E-04		COMB3	1.7036	1.6958	0.0263	0.0334	0.0136	-0.0141
	0.00	CORREAS	1.14E-01	1.84E-03	8.72E-04		COMB4	-0.0907	-0.0986	-0.0056	0.0015	-0.0014	0.0005
	0.93	CORREAS	1.14E-01	1.84E-03	-8.39E-04		COMB5	1.1197	1.1119	0.0159	0.0230	0.0087	-0.0093
	0.00	VIVA	4.78E-01	8.49E-03	4.00E-03		COMB6	0.0155	0.0076	-0.0037	0.0034	-0.0005	-0.0004
	0.93	VIVA	4.78E-01	8.49E-03	-3.87E-03		COMB7	1.3229	1.4570	0.0205	0.0292	0.0106	-0.0121
	0.00	VIENTO	6.90E-01	1.23E-02	5.78E-03		COMB8	-0.4715	-0.4774	-0.0114	-0.0060	-0.0044	0.0036
	0.93	VIENTO	6.90E-01	1.23E-02	-5.59E-03		COMB9	0.8615	0.8537	0.0115	0.0187	0.0067	-0.0063
	0.00	ESPECTRO	5.50E-02	1.21E-03	5.78E-04		COMB10	0.4807	0.4748	0.0058	0.0111	0.0036	-0.0031
	0.93	ESPECTRO	5.50E-02	1.21E-03	5.43E-04								
1675	0.00	DEAD	9.38E-02	-2.31E-04	8.32E-04	1675							
	0.91	DEAD	8.71E-02	5.37E-03	-1.52E-03		COMB1	0.2667	0.2574	0.0034	0.0112	0.0029	-0.0038
	0.00	COBERT	5.43E-02	1.46E-03	6.78E-04		COMB2	0.5762	0.5682	0.0122	0.0189	0.0068	-0.0074
	0.91	COBERT	5.43E-02	1.46E-03	-6.54E-04		COMB3	0.7452	0.7372	0.0168	0.0235	0.0089	-0.0095
	0.00	CORREAS	4.24E-02	1.19E-03	5.60E-04		COMB4	-0.0707	-0.0787	-0.0051	0.0016	-0.0013	0.0004
	0.91	CORREAS	4.24E-02	1.19E-03	-5.31E-04		COMB5	0.4797	0.4717	0.0096	0.0164	0.0056	-0.0063
	0.00	VIVA	2.17E-01	5.83E-03	2.71E-03		COMB6	-0.0224	-0.0304	-0.0038	0.0029	-0.0007	-0.0002
	0.91	VIVA	2.17E-01	5.83E-03	-2.62E-03		COMB7	0.5794	0.6286	0.0131	0.0206	0.0070	-0.0082
	0.00	VIENTO	3.14E-01	8.42E-03	3.92E-03		COMB8	-0.2365	-0.2425	-0.0088	-0.0037	-0.0032	0.0025
	0.91	VIENTO	3.14E-01	8.42E-03	-3.78E-03		COMB9	0.3468	0.3388	0.0065	0.0132	0.0042	-0.0042
	0.00	ESPECTRO	9.57E-03	7.00E-04	3.34E-04		COMB10	0.1810	0.1750	0.0029	0.0079	0.0022	-0.0021
	0.91	ESPECTRO	9.57E-03	7.00E-04	3.06E-04								
	0.00	DEAD	-3.30E-02	-1.93E-03	1.07E-05								
	0.90	DEAD	-3.98E-02	3.31E-03	-6.13E-04		COMB1	-0.0547	-0.0643	-0.0011	0.0062	0.0008	-0.0015
	0.00	COBERT	-3.80E-03	6.62E-04	3.15E-04		COMB2	-0.0712	-0.0794	0.0033	0.0096	0.0027	-0.0031
	0.90	COBERT	-3.80E-03	6.62E-04	-2.82E-04		COMB3	-0.0830	-0.0912	0.0053	0.0116	0.0037	-0.0040
	0.00	CORREAS	-2.27E-03	4.58E-04	2.25E-04		COMB4	-0.0260	-0.0341	-0.0046	0.0017	-0.0011	0.0003

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO AS-5 (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames													
ELE.	Stat.	OutputCase	P	V2	M3	ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
Text	m	Text	Ton	Ton	Ton-m								
1676	0.90	CORREAS	-2.27E-03	4.58E-04	-1.88E-04	1676	COMB5	-0.0645	-0.0726	0.0021	0.0084	0.0021	-0.0026
	0.00	VIVA	-1.52E-02	2.65E-03	1.26E-03		COMB6	-0.0294	-0.0375	-0.0040	0.0023	-0.0008	0.0000
	0.90	VIVA	-1.52E-02	2.65E-03	-1.13E-03		COMB7	-0.0637	-0.0836	0.0042	0.0103	0.0029	-0.0034
	0.00	VIENTO	-2.19E-02	3.82E-03	1.82E-03		COMB8	-0.0067	-0.0128	-0.0057	-0.0010	-0.0019	0.0011
	0.90	VIENTO	-2.19E-02	3.82E-03	-1.63E-03		COMB9	-0.0143	-0.0224	0.0005	0.0068	0.0013	-0.0018
	0.00	ESPECTRO	4.02E-02	1.26E-04	4.18E-05		COMB10	0.0050	-0.0011	-0.0006	0.0041	0.0005	-0.0009
	0.90	ESPECTRO	4.02E-02	1.26E-04	7.71E-05								
1677	0.00	DEAD	-1.33E-01	-4.02E-03	-9.70E-04	1677							
	0.89	DEAD	-1.40E-01	8.72E-04	4.30E-04		COMB1	-0.3375	-0.3472	-0.0068	0.0001	-0.0018	0.0012
	0.00	COBERT	-5.18E-02	-3.30E-04	-1.29E-04		COMB2	-0.6208	-0.6291	-0.0079	-0.0020	-0.0024	0.0020
	0.89	COBERT	-5.18E-02	-3.30E-04	1.64E-04		COMB3	-0.7820	-0.7902	-0.0089	-0.0031	-0.0028	0.0026
	0.00	CORREAS	-5.61E-02	-4.76E-04	-1.87E-04		COMB4	-0.0038	-0.0121	-0.0040	0.0019	-0.0008	0.0001
	0.89	CORREAS	-5.61E-02	-4.76E-04	2.36E-04		COMB5	-0.5287	-0.5370	-0.0073	-0.0014	-0.0021	0.0018
	0.00	VIVA	-2.07E-01	-1.32E-03	-5.16E-04		COMB6	-0.0499	-0.0582	-0.0043	0.0016	-0.0009	0.0002
	0.89	VIVA	-2.07E-01	-1.32E-03	6.56E-04		COMB7	-0.6060	-0.6867	-0.0068	-0.0024	-0.0021	0.0022
	0.00	VIENTO	-2.99E-01	-1.91E-03	-7.46E-04		COMB8	0.1721	0.1659	-0.0019	0.0025	-0.0002	-0.0005
	0.89	VIENTO	-2.99E-01	-1.91E-03	9.48E-04		COMB9	-0.3179	-0.3262	-0.0054	0.0004	-0.0014	0.0018
	0.00	ESPECTRO	7.50E-02	1.01E-03	4.24E-04		COMB10	-0.1420	-0.1482	-0.0033	0.0011	-0.0007	0.0012
	0.89	ESPECTRO	7.50E-02	1.01E-03	4.70E-04								
1678	0.00	DEAD	-2.14E-01	-5.59E-03	-1.68E-03	1678							
	0.88	DEAD	-2.21E-01	-1.05E-03	1.23E-03		COMB1	-0.5390	-0.5488	-0.0112	-0.0049	-0.0037	0.0033
	0.00	COBERT	-8.89E-02	-1.16E-03	-4.82E-04		COMB2	-1.0307	-1.0391	-0.0170	-0.0116	-0.0063	0.0063
	0.88	COBERT	-8.89E-02	-1.16E-03	5.36E-04		COMB3	-1.3073	-1.3157	-0.0207	-0.0152	-0.0078	0.0079
	0.00	CORREAS	-8.22E-02	-1.25E-03	-5.17E-04		COMB4	0.0279	0.0195	-0.0032	0.0022	-0.0006	-0.0001
	0.88	CORREAS	-8.22E-02	-1.25E-03	5.81E-04		COMB5	-0.8728	-0.8812	-0.0150	-0.0095	-0.0054	0.0053
	0.00	VIVA	-3.55E-01	-4.65E-03	-1.93E-03		COMB6	-0.0512	-0.0596	-0.0042	0.0012	-0.0010	0.0003
	0.88	VIVA	-3.55E-01	-4.65E-03	2.15E-03		COMB7	-1.0141	-1.1380	-0.0159	-0.0129	-0.0060	0.0068
	0.00	VIENTO	-5.14E-01	-6.71E-03	-2.78E-03		COMB8	0.3211	0.3148	0.0015	0.0056	0.0012	-0.0019
	0.88	VIENTO	-5.14E-01	-6.71E-03	3.10E-03		COMB9	-0.5357	-0.5441	-0.0103	-0.0049	-0.0035	0.0046
	0.00	ESPECTRO	1.04E-01	1.60E-03	6.70E-04		COMB10	-0.2424	-0.2487	-0.0056	-0.0015	-0.0017	0.0028
	0.88	ESPECTRO	1.04E-01	1.60E-03	7.33E-04								
1679	0.00	DEAD	-2.78E-01	-6.94E-03	-2.27E-03	1679							
	0.86	DEAD	-2.85E-01	-2.76E-03	1.92E-03		COMB1	-0.7249	-0.7348	-0.0150	-0.0091	-0.0053	0.0051
	0.00	COBERT	-1.19E-01	-1.81E-03	-7.39E-04		COMB2	-1.3804	-1.3889	-0.0244	-0.0194	-0.0093	0.0096
	0.86	COBERT	-1.19E-01	-1.81E-03	8.21E-04		COMB3	-1.7495	-1.7580	-0.0300	-0.0250	-0.0116	0.0121
	0.00	CORREAS	-1.21E-01	-1.93E-03	-7.91E-04		COMB4	0.0325	0.0240	-0.0029	0.0022	-0.0005	-0.0002
	0.86	CORREAS	-1.21E-01	-1.93E-03	8.74E-04		COMB5	-1.1696	-1.1781	-0.0212	-0.0161	-0.0080	0.0081
	0.00	VIVA	-4.74E-01	-7.23E-03	-2.95E-03		COMB6	-0.0730	-0.0815	-0.0045	0.0006	-0.0011	0.0005
	0.86	VIVA	-4.74E-01	-7.23E-03	3.28E-03		COMB7	-1.3570	-1.5208	-0.0232	-0.0214	-0.0090	0.0105
	0.00	VIENTO	-6.85E-01	-1.04E-02	-4.27E-03		COMB8	0.4250	0.4187	0.0040	0.0077	0.0021	-0.0029
	0.86	VIENTO	-6.85E-01	-1.04E-02	4.74E-03		COMB9	-0.7310	-0.7395	-0.0143	-0.0092	-0.0051	0.0069
	0.00	ESPECTRO	1.28E-01	2.16E-03	8.95E-04		COMB10	-0.3385	-0.3448	-0.0075	-0.0037	-0.0025	0.0042
	0.86	ESPECTRO	1.28E-01	2.16E-03	9.68E-04								
1680	0.00	DEAD	-3.28E-01	-8.02E-03	-2.74E-03	1680							
	0.85	DEAD	-3.36E-01	-4.19E-03	2.45E-03		COMB1	-0.8543	-0.8642	-0.0181	-0.0127	-0.0066	0.0064
	0.00	COBERT	-1.47E-01	-2.39E-03	-9.83E-04		COMB2	-1.6749	-1.6835	-0.0308	-0.0262	-0.0120	0.0123
	0.85	COBERT	-1.47E-01	-2.39E-03	1.05E-03		COMB3	-2.1334	-2.1419	-0.0383	-0.0337	-0.0150	0.0155
	0.00	CORREAS	-1.34E-01	-2.50E-03	-1.02E-03		COMB4	0.0797	0.0712	-0.0023	0.0023	-0.0003	-0.0003
	0.85	CORREAS	-1.34E-01	-2.50E-03	1.10E-03		COMB5	-1.4132	-1.4217	-0.0266	-0.0220	-0.0102	0.0104
	0.00	VIVA	-5.89E-01	-9.57E-03	-3.93E-03		COMB6	-0.0513	-0.0598	-0.0044	0.0002	-0.0011	0.0007
	0.85	VIVA	-5.89E-01	-9.57E-03	4.20E-03		COMB7	-1.6557	-1.8473	-0.0296	-0.0289	-0.0116	0.0134
	0.00	VIENTO	-8.51E-01	-1.38E-02	-5.68E-03		COMB8	0.5574	0.5510	0.0064	0.0098	0.0031	-0.0038
	0.85	VIENTO	-8.51E-01	-1.38E-02	6.07E-03		COMB9	-0.8799	-0.8885	-0.0177	-0.0131	-0.0066	0.0088
	0.00	ESPECTRO	1.47E-01	2.61E-03	1.07E-03		COMB10	-0.4023	-0.4087	-0.0090	-0.0056	-0.0032	0.0053
	0.85	ESPECTRO	1.47E-01	2.61E-03	1.15E-03								
1681	0.00	DEAD	-3.89E-01	-9.95E-03	-3.55E-03	1681							
	0.84	DEAD	-3.96E-01	-6.47E-03	3.32E-03		COMB1	-1.0465	-1.0565	-0.0233	-0.0184	-0.0087	0.0088
	0.00	COBERT	-1.85E-01	-3.26E-03	-1.28E-03		COMB2	-2.0805	-2.0891	-0.0408	-0.0366	-0.0157	0.0167
	0.84	COBERT	-1.85E-01	-3.26E-03	1.44E-03		COMB3	-2.6560	-2.6646	-0.0510	-0.0468	-0.0197	0.0212
	0.00	CORREAS	-1.74E-01	-3.43E-03	-1.38E-03		COMB4	0.1223	0.1137	-0.0020	0.0022	-0.0004	-0.0005
	0.84	CORREAS	-1.74E-01	-3.43E-03	1.49E-03		COMB5	-1.7519	-1.7605	-0.0350	-0.0309	-0.0134	0.0142
	0.00	VIVA	-7.40E-01	-1.30E-02	-5.13E-03		COMB6	-0.0421	-0.0507	-0.0049	-0.0007	-0.0015	0.0008
	0.84	VIVA	-7.40E-01	-1.30E-02	5.78E-03		COMB7	-2.0619	-2.2948	-0.0395	-0.0403	-0.0152	0.0184
	0.00	VIENTO	-1.07E+00	-1.88E-02	-7.41E-03		COMB8	0.7164	0.7100	0.0095	0.0126	0.0040	-0.0052
	0.84	VIENTO	-1.07E+00	-1.88E-02	8.35E-03		COMB9	-1.0994	-1.1080	-0.0231	-0.0189	-0.0086	0.0118
	0.00	ESPECTRO	1.67E-01	3.39E-03	1.38E-03		COMB10	-0.5053	-0.5117	-0.0116	-0.0085	-0.0042	0.0071
	0.84	ESPECTRO	1.67E-01	3.39E-03	1.45E-03								
1682	0.00	DEAD	-4.11E-01	-8.84E-03	-3.16E-03	1682							
	0.82	DEAD	-4.18E-01	-5.70E-03	2.84E-03		COMB1	-1.1242	-1.1343	-0.0221	-0.0177	-0.0085	0.0079
	0.00	COBERT	-2.18E-01	-3.85E-03	-1.64E-03		COMB2	-2.3607	-2.3693	-0.0436	-0.0398	-0.0178	0.0165
	0.82	COBERT	-2.18E-01	-3.85E-03	1.52E-03		COMB3	-3.0401	-3.0487	-0.0555	-0.0518	-0.0229	0.0213
	0.00	CORREAS	-1.74E-01	-3.11E-03	-1.28E-03		COMB4	0.2397	0.2311	0.0023	0.0060	0.0018	-0.0016
	0.82	CORREAS	-1.74E-01	-3.11E-03	1.28E-03		COMB5	-1.9728	-1.9814	-0.0367	-0.0330	-0.0149	0.0138
	0.00	VIVA	-8.73E-01	-1.54E-02	-6.58E-03		COMB6	0.0456	0.0370	-0.0012	0.0026	0.0003	-0.0003
	0.82	VIVA	-8.73E-01	-1.54E-02	6.10E-03		COMB7	-2.3626	-2.6121	-0.0431	-0.0441	-0.0178	0.0182
	0.00	VIENTO	-1.26E+00	-2.22E-02	-9.50E-03		COMB8	0.9172	0.9107	0.0147	0.0175	0.0069	-0.0064

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO AS-5 (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames													
ELE.	Stat.	OutputCase	P	V2	M3	ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
Text	m	Text	Ton	Ton	Ton-m								
	0.82	VIENTO	-1.26E+00	-2.22E-02	8.81E-03		COMB9	-1.2241	-1.2327	-0.0237	-0.0199	-0.0094	0.0111
	0.00	ESPECTRO	1.76E-01	2.96E-03	1.19E-03		COMB10	-0.5466	-0.5531	-0.0112	-0.0084	-0.0043	0.0063
	0.82	ESPECTRO	1.76E-01	2.96E-03	1.26E-03								
	0.00	DEAD	-4.49E-01	8.93E-03	4.58E-03								
	0.81	DEAD	-4.42E-01	1.11E-02	-3.59E-03		COMB1	-1.1826	-1.1722	0.0246	0.0277	0.0122	-0.0091
	0.00	COBERT	-2.17E-01	4.59E-03	2.18E-03		COMB2	-2.4024	-2.3935	0.0505	0.0531	0.0244	-0.0178
	0.81	COBERT	-2.17E-01	4.59E-03	-1.56E-03		COMB3	-3.0778	-3.0689	0.0648	0.0674	0.0312	-0.0226
	0.00	CORREAS	-1.79E-01	4.06E-03	1.96E-03		COMB4	0.1825	0.1915	-0.0042	-0.0016	-0.0016	0.0008
3124	0.81	CORREAS	-1.79E-01	4.06E-03	-1.35E-03	3124	COMB5	-2.0168	-2.0079	0.0423	0.0450	0.0205	-0.0150
	0.00	VIVA	-8.68E-01	1.84E-02	8.72E-03		COMB6	-0.0105	-0.0015	-0.0001	0.0025	0.0004	-0.0006
	0.81	VIVA	-8.68E-01	1.84E-02	-6.24E-03		COMB7	-2.3904	-2.6349	0.0503	0.0582	0.0242	-0.0195
	0.00	VIENTO	-1.25E+00	2.65E-02	1.26E-02		COMB8	0.8699	0.8766	-0.0187	-0.0167	-0.0085	0.0059
	0.81	VIENTO	-1.25E+00	2.65E-02	-9.01E-03		COMB9	-1.2628	-1.2539	0.0337	0.0363	0.0164	-0.0097
	0.00	ESPECTRO	1.85E-01	3.42E-03	1.58E-03		COMB10	-0.5754	-0.5687	0.0192	0.0212	0.0094	-0.0046
	0.81	ESPECTRO	1.85E-01	3.42E-03	1.20E-03								
DIAGONAL						DIAGONAL							
	0.00	DEAD	-1.21E-02	-2.32E-03	-3.27E-04								
	1.20	DEAD	-1.21E-02	3.49E-03	-1.02E-03		COMB1	-0.0433	-0.0433	-0.0024	0.0057	-0.0002	-0.0022
	0.00	COBERT	1.61E-03	3.29E-04	1.23E-04		COMB2	-0.0268	-0.0268	0.0000	0.0070	0.0006	-0.0036
	1.20	COBERT	1.61E-03	3.29E-04	-2.70E-04		COMB3	-0.0218	-0.0218	0.0011	0.0080	0.0010	-0.0044
	0.00	CORREAS	-2.04E-02	2.66E-04	6.81E-05		COMB4	-0.0460	-0.0460	-0.0039	0.0031	-0.0008	-0.0004
1348	1.20	CORREAS	-2.04E-02	2.66E-04	-2.50E-04	1348	COMB5	-0.0296	-0.0296	-0.0006	0.0064	0.0004	-0.0031
	0.00	VIVA	6.44E-03	1.32E-03	4.93E-04		COMB6	-0.0445	-0.0445	-0.0036	0.0034	-0.0007	-0.0006
	1.20	VIVA	6.44E-03	1.32E-03	-1.08E-03		COMB7	-0.0157	-0.0250	0.0009	0.0074	0.0008	-0.0039
	0.00	VIENTO	9.30E-03	1.90E-03	7.12E-04		COMB8	-0.0399	-0.0399	-0.0040	0.0012	-0.0010	0.0006
	1.20	VIENTO	9.30E-03	1.90E-03	-1.56E-03		COMB9	-0.0319	-0.0319	-0.0013	0.0057	0.0001	-0.0023
	0.00	ESPECTRO	1.98E-03	1.34E-04	4.38E-05		COMB10	-0.0258	-0.0258	-0.0014	0.0038	-0.0001	-0.0013
	1.20	ESPECTRO	1.98E-03	1.34E-04	1.16E-04								
	0.00	DEAD	-7.33E-01	-5.41E-03	-1.82E-03								
	1.12	DEAD	-7.24E-01	-5.17E-04	1.50E-03		COMB1	-1.9188	-1.9056	-0.0114	-0.0045	-0.0045	0.0044
	0.00	COBERT	-3.13E-01	-1.28E-03	-6.39E-04		COMB2	-3.6469	-3.6355	-0.0180	-0.0121	-0.0079	0.0089
	1.12	COBERT	-3.13E-01	-1.28E-03	7.95E-04		COMB3	-4.6205	-4.6091	-0.0219	-0.0161	-0.0099	0.0114
	0.00	CORREAS	-3.25E-01	-1.43E-03	-7.25E-04		COMB4	0.0797	0.0911	-0.0027	0.0032	-0.0003	-0.0006
3253	1.12	CORREAS	-3.25E-01	-1.43E-03	8.79E-04	3253	COMB5	-3.0909	-3.0796	-0.0157	-0.0098	-0.0068	0.0075
	0.00	VIVA	-1.25E+00	-5.12E-03	-2.55E-03		COMB6	-0.1985	-0.1871	-0.0038	0.0020	-0.0009	0.0001
	1.12	VIVA	-1.25E+00	-5.12E-03	3.18E-03		COMB7	-3.5836	-3.9835	-0.0169	-0.0135	-0.0077	0.0098
	0.00	VIENTO	-1.81E+00	-7.40E-03	-3.69E-03		COMB8	1.1166	1.1251	0.0023	0.0067	0.0019	-0.0031
	1.12	VIENTO	-1.81E+00	-7.40E-03	4.60E-03		COMB9	-2.1172	-2.1058	-0.0116	-0.0057	-0.0047	0.0059
	0.00	ESPECTRO	1.53E-01	7.48E-04	3.72E-04		COMB10	-1.0803	-1.0718	-0.0066	-0.0022	-0.0025	0.0033
	1.12	ESPECTRO	1.53E-01	7.48E-04	4.65E-04								
	0.00	DEAD	-8.15E-01	-7.06E-03	-2.94E-03								
	1.11	DEAD	-8.06E-01	-2.65E-03	2.45E-03		COMB1	-2.1437	-2.1303	-0.0158	-0.0096	-0.0072	0.0068
	0.00	COBERT	-3.47E-01	-2.07E-03	-1.09E-03		COMB2	-4.0597	-4.0482	-0.0268	-0.0215	-0.0132	0.0136
	1.11	COBERT	-3.47E-01	-2.07E-03	1.20E-03		COMB3	-5.1404	-5.1289	-0.0332	-0.0279	-0.0166	0.0173
	0.00	CORREAS	-3.69E-01	-2.15E-03	-1.14E-03		COMB4	0.0766	0.0881	-0.0021	0.0032	-0.0002	-0.0008
3254	1.11	CORREAS	-3.69E-01	-2.15E-03	1.24E-03	3254	COMB5	-3.4427	-3.4312	-0.0231	-0.0178	-0.0112	0.0114
	0.00	VIVA	-1.39E+00	-8.27E-03	-4.36E-03		COMB6	-0.2322	-0.2207	-0.0040	0.0013	-0.0012	0.0003
	1.11	VIVA	-1.39E+00	-8.27E-03	4.81E-03		COMB7	-3.9866	-4.4345	-0.0257	-0.0238	-0.0128	0.0149
	0.00	VIENTO	-2.01E+00	-1.19E-02	-6.29E-03		COMB8	1.2304	1.2390	0.0054	0.0093	0.0035	-0.0046
	1.11	VIENTO	-2.01E+00	-1.19E-02	6.94E-03		COMB9	-2.3476	-2.3361	-0.0165	-0.0112	-0.0078	0.0089
	0.00	ESPECTRO	1.84E-01	1.14E-03	5.92E-04		COMB10	-1.1938	-1.1851	-0.0090	-0.0050	-0.0041	0.0051
	1.11	ESPECTRO	1.84E-01	1.14E-03	6.76E-04								
	0.00	DEAD	-8.28E-01	-6.47E-03	-2.70E-03								
	1.10	DEAD	-8.18E-01	-2.54E-03	2.24E-03		COMB1	-2.1863	-2.1728	-0.0147	-0.0092	-0.0068	0.0064
	0.00	COBERT	-3.67E-01	-2.03E-03	-1.06E-03		COMB2	-4.2232	-4.2115	-0.0256	-0.0209	-0.0126	0.0129
	1.10	COBERT	-3.67E-01	-2.03E-03	1.17E-03		COMB3	-5.3655	-5.3539	-0.0319	-0.0272	-0.0159	0.0165
	0.00	CORREAS	-3.67E-01	-2.02E-03	-1.07E-03		COMB4	0.1493	0.1609	-0.0014	0.0033	0.0001	-0.0010
3255	1.10	CORREAS	-3.67E-01	-2.02E-03	1.14E-03	3255	COMB5	-3.5709	-3.5593	-0.0220	-0.0173	-0.0107	0.0108
	0.00	VIVA	-1.47E+00	-8.12E-03	-4.25E-03		COMB6	-0.1771	-0.1655	-0.0032	0.0015	-0.0009	0.0001
	1.10	VIVA	-1.47E+00	-8.12E-03	4.66E-03		COMB7	-4.1629	-4.6198	-0.0247	-0.0232	-0.0123	0.0142
	0.00	VIENTO	-2.12E+00	-1.17E-02	-6.14E-03		COMB8	1.3519	1.3606	0.0058	0.0093	0.0036	-0.0047
	1.10	VIENTO	-2.12E+00	-1.17E-02	6.73E-03		COMB9	-2.4161	-2.4045	-0.0156	-0.0109	-0.0074	0.0084
	0.00	ESPECTRO	1.92E-01	1.07E-03	5.58E-04		COMB10	-1.2135	-1.2048	-0.0084	-0.0049	-0.0038	0.0047
	1.10	ESPECTRO	1.92E-01	1.07E-03	6.21E-04								
	0.00	DEAD	-7.57E-01	-5.70E-03	-2.42E-03								
	1.09	DEAD	-7.47E-01	-2.26E-03	1.90E-03		COMB1	-2.0318	-2.0181	-0.0131	-0.0082	-0.0061	0.0055
	0.00	COBERT	-3.48E-01	-1.85E-03	-9.81E-04		COMB2	-3.9686	-3.9569	-0.0230	-0.0189	-0.0115	0.0112
	1.09	COBERT	-3.48E-01	-1.85E-03	1.02E-03		COMB3	-5.0516	-5.0399	-0.0288	-0.0246	-0.0146	0.0144
	0.00	CORREAS	-3.46E-01	-1.78E-03	-9.65E-04		COMB4	0.1766	0.1883	-0.0010	0.0031	0.0002	-0.0010
3256	1.09	CORREAS	-3.46E-01	-1.78E-03	9.74E-04	3256	COMB5	-3.3502	-3.3385	-0.0197	-0.0156	-0.0098	0.0094
	0.00	VIVA	-1.39E+00	-7.38E-03	-3.93E-03		COMB6	-0.1328	-0.1211	-0.0027	0.0015	-0.0007	-0.0001
	1.09	VIVA	-1.39E+00	-7.38E-03	4.10E-03		COMB7	-3.9203	-4.3439	-0.0223	-0.0209	-0.0113	0.0124
	0.00	VIENTO	-2.01E+00	-1.07E-02	-5.67E-03		COMB8	1.3080	1.3167	0.0055	0.0086	0.0034	-0.0042
	1.09	VIENTO	-2.01E+00	-1.07E-02	5.92E-03		COMB9	-2.2650	-2.2533	-0.0140	-0.0099	-0.0067	0.0072
	0.00	ESPECTRO	1.73E-01	9.04E-04	4.78E-04		COMB10	-1.1336	-1.1248	-0.0075	-0.0044	-0.0035	0.0040
	1.09	ESPECTRO	1.73E-01	9.04E-04	5.05E-04								

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO AS-5 (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames													
ELE.	Stat.	OutputCase	P	V2	M3	ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
Text	m	Text	Ton	Ton	Ton-m								
3257	0.00	DEAD	-6.19E-01	-4.49E-03	-1.91E-03	3257							
	1.08	DEAD	-6.09E-01	-1.53E-03	1.33E-03		COMB1	-1.6625	-1.6488	-0.0102	-0.0060	-0.0048	0.0039
	0.00	COBERT	-2.91E-01	-1.41E-03	-7.74E-04		COMB2	-3.2871	-3.2753	-0.0178	-0.0142	-0.0091	0.0081
	1.08	COBERT	-2.91E-01	-1.41E-03	7.46E-04		COMB3	-4.1926	-4.1808	-0.0222	-0.0186	-0.0115	0.0104
	0.00	CORREAS	-2.77E-01	-1.37E-03	-7.66E-04		COMB4	0.1788	0.1905	-0.0009	0.0026	0.0001	-0.0008
	1.08	CORREAS	-2.77E-01	-1.37E-03	7.09E-04		COMB5	-2.7700	-2.7583	-0.0153	-0.0117	-0.0077	0.0068
	0.00	VIVA	-1.16E+00	-5.65E-03	-3.10E-03		COMB6	-0.0800	-0.0682	-0.0022	0.0014	-0.0006	-0.0001
	1.08	VIVA	-1.16E+00	-5.65E-03	2.98E-03		COMB7	-3.2544	-3.5989	-0.0172	-0.0158	-0.0089	0.0089
	0.00	VIENTO	-1.68E+00	-8.17E-03	-4.48E-03		COMB8	1.1169	1.1258	0.0041	0.0067	0.0027	-0.0031
	1.08	VIENTO	-1.68E+00	-8.17E-03	4.31E-03		COMB9	-1.8749	-1.8631	-0.0109	-0.0074	-0.0054	0.0051
	0.00	ESPECTRO	1.32E-01	6.07E-04	3.35E-04		COMB10	-0.9368	-0.9279	-0.0059	-0.0033	-0.0028	0.0028
	1.08	ESPECTRO	1.32E-01	6.07E-04	3.18E-04								
3258	0.00	DEAD	-4.46E-01	-3.21E-03	-1.37E-03	3258							
	1.06	DEAD	-4.36E-01	-7.39E-04	7.35E-04		COMB1	-1.2217	-1.2079	-0.0071	-0.0036	-0.0034	0.0023
	0.00	COBERT	-2.14E-01	-9.33E-04	-5.41E-04		COMB2	-2.4187	-2.4069	-0.0120	-0.0091	-0.0064	0.0048
	1.06	COBERT	-2.14E-01	-9.33E-04	4.52E-04		COMB3	-3.0857	-3.0739	-0.0149	-0.0120	-0.0081	0.0062
	0.00	CORREAS	-2.12E-01	-9.12E-04	-5.43E-04		COMB4	0.1342	0.1459	-0.0009	0.0020	0.0000	-0.0006
	1.06	CORREAS	-2.12E-01	-9.12E-04	4.28E-04		COMB5	-2.0379	-2.0261	-0.0104	-0.0074	-0.0054	0.0040
	0.00	VIVA	-8.57E-01	-3.73E-03	-2.17E-03		COMB6	-0.0564	-0.0446	-0.0018	0.0012	-0.0004	-0.0002
	1.06	VIVA	-8.57E-01	-3.73E-03	1.81E-03		COMB7	-2.3953	-2.6453	-0.0116	-0.0101	-0.0063	0.0053
	0.00	VIENTO	-1.24E+00	-5.39E-03	-3.13E-03		COMB8	0.8246	0.8334	0.0025	0.0047	0.0019	-0.0019
	1.06	VIENTO	-1.24E+00	-5.39E-03	2.61E-03		COMB9	-1.3936	-1.3818	-0.0076	-0.0047	-0.0038	0.0030
	0.00	ESPECTRO	8.22E-02	3.04E-04	1.87E-04		COMB10	-0.7032	-0.6943	-0.0042	-0.0020	-0.0020	0.0016
	1.06	ESPECTRO	8.22E-02	3.04E-04	1.37E-04								
3259	0.00	DEAD	-2.68E-01	-2.02E-03	-8.56E-04	3259							
	1.05	DEAD	-2.58E-01	-3.04E-05	2.22E-04		COMB1	-0.7399	-0.7261	-0.0042	-0.0015	-0.0021	0.0009
	0.00	COBERT	-1.35E-01	-5.01E-04	-3.28E-04		COMB2	-1.5000	-1.4882	-0.0068	-0.0045	-0.0039	0.0020
	1.05	COBERT	-1.35E-01	-5.01E-04	2.00E-04		COMB3	-1.9210	-1.9092	-0.0084	-0.0060	-0.0050	0.0026
	0.00	CORREAS	-1.25E-01	-5.08E-04	-3.44E-04		COMB4	0.1115	0.1233	-0.0009	0.0015	0.0000	-0.0004
	1.05	CORREAS	-1.25E-01	-5.08E-04	1.92E-04		COMB5	-1.2596	-1.2478	-0.0059	-0.0036	-0.0034	0.0017
	0.00	VIVA	-5.41E-01	-2.01E-03	-1.31E-03		COMB6	-0.0088	0.0030	-0.0013	0.0011	-0.0003	-0.0002
	1.05	VIVA	-5.41E-01	-2.01E-03	7.99E-04		COMB7	-1.4919	-1.6386	-0.0065	-0.0050	-0.0038	0.0022
	0.00	VIENTO	-7.82E-01	-2.90E-03	-1.90E-03		COMB8	0.5406	0.5495	0.0010	0.0028	0.0011	-0.0009
	1.05	VIENTO	-7.82E-01	-2.90E-03	1.15E-03		COMB9	-0.8706	-0.8588	-0.0046	-0.0022	-0.0024	0.0012
	0.00	ESPECTRO	3.42E-02	7.20E-05	6.38E-05		COMB10	-0.4415	-0.4326	-0.0027	-0.0009	-0.0013	0.0006
	1.05	ESPECTRO	3.42E-02	7.20E-05	3.56E-05								
3260	0.00	DEAD	-1.06E-01	-9.58E-04	-4.18E-04	3260							
	1.04	DEAD	-9.59E-02	5.48E-04	-2.04E-04		COMB1	-0.3279	-0.3141	-0.0018	0.0004	-0.0010	-0.0003
	0.00	COBERT	-6.34E-02	-1.44E-04	-1.51E-04		COMB2	-0.6871	-0.6753	-0.0024	-0.0006	-0.0019	-0.0003
	1.04	COBERT	-6.34E-02	-1.44E-04	-9.78E-07		COMB3	-0.8845	-0.8727	-0.0029	-0.0011	-0.0023	-0.0003
	0.00	CORREAS	-6.51E-02	-1.51E-04	-1.69E-04		COMB4	0.0687	0.0804	-0.0007	0.0011	-0.0001	-0.0003
	1.04	CORREAS	-6.51E-02	-1.51E-04	-1.13E-05		COMB5	-0.5743	-0.5626	-0.0022	-0.0004	-0.0016	-0.0003
	0.00	VIVA	-2.54E-01	-5.75E-04	-6.03E-04		COMB6	0.0123	0.0240	-0.0008	0.0010	-0.0002	-0.0003
	1.04	VIVA	-2.54E-01	-5.75E-04	-3.91E-06		COMB7	-0.6874	-0.7459	-0.0022	-0.0008	-0.0018	-0.0003
	0.00	VIENTO	-3.67E-01	-8.31E-04	-8.72E-04		COMB8	0.2658	0.2746	0.0000	0.0013	0.0005	-0.0002
	1.04	VIENTO	-3.67E-01	-8.31E-04	-5.65E-06		COMB9	-0.3920	-0.3803	-0.0016	0.0002	-0.0011	-0.0001
	0.00	ESPECTRO	1.59E-02	1.91E-04	5.33E-05		COMB10	-0.1949	-0.1860	-0.0009	0.0004	-0.0006	0.0000
	1.04	ESPECTRO	1.59E-02	1.91E-04	1.49E-04								
3261	0.00	DEAD	3.12E-02	-2.89E-06	-3.31E-05	3261							
	1.03	DEAD	3.62E-02	5.23E-04	-3.01E-04		COMB1	0.0477	0.0547	0.0002	0.0009	-0.0001	-0.0007
	0.00	COBERT	-1.86E-03	8.63E-05	-7.20E-06		COMB2	0.0289	0.0349	0.0007	0.0014	-0.0001	-0.0012
	1.03	COBERT	-1.86E-03	8.63E-05	-9.61E-05		COMB3	0.0232	0.0291	0.0010	0.0016	-0.0001	-0.0015
	0.00	CORREAS	4.67E-03	5.80E-05	-2.66E-05		COMB4	0.0511	0.0571	-0.0003	0.0003	0.0000	-0.0001
	1.03	CORREAS	4.67E-03	5.80E-05	-8.64E-05		COMB5	0.0323	0.0382	0.0006	0.0012	-0.0001	-0.0010
	0.00	VIVA	-7.45E-03	3.45E-04	-2.88E-05		COMB6	0.0495	0.0555	-0.0002	0.0004	0.0000	-0.0001
	1.03	VIVA	-7.45E-03	3.45E-04	-3.85E-04		COMB7	0.0167	0.0329	0.0008	0.0014	-0.0001	-0.0013
	0.00	VIENTO	-1.08E-02	4.99E-04	-4.16E-05		COMB8	0.0446	0.0491	-0.0005	0.0000	0.0000	0.0003
	1.03	VIENTO	-1.08E-02	4.99E-04	-5.56E-04		COMB9	0.0789	0.0849	0.0005	0.0012	0.0000	-0.0006
	0.00	ESPECTRO	4.17E-02	2.05E-04	7.51E-05		COMB10	0.0724	0.0769	0.0003	0.0008	0.0000	-0.0003
	1.03	ESPECTRO	4.17E-02	2.05E-04	1.36E-04								
3262	0.00	DEAD	1.32E-01	4.75E-04	1.57E-04	3262							
	1.02	DEAD	1.36E-01	7.62E-04	-4.73E-04		COMB1	0.3016	0.3085	0.0013	0.0017	0.0004	-0.0012
	0.00	COBERT	4.53E-02	2.48E-04	6.62E-05		COMB2	0.5482	0.5541	0.0027	0.0031	0.0007	-0.0022
	1.02	COBERT	4.53E-02	2.48E-04	-1.87E-04		COMB3	0.6890	0.6949	0.0035	0.0038	0.0010	-0.0028
	0.00	CORREAS	3.86E-02	2.20E-04	4.69E-05		COMB4	0.0090	0.0149	-0.0002	0.0001	0.0000	0.0000
	1.02	CORREAS	3.86E-02	2.20E-04	-1.77E-04		COMB5	0.4677	0.4737	0.0023	0.0026	0.0006	-0.0019
	0.00	VIVA	1.81E-01	9.92E-04	2.65E-04		COMB6	0.0493	0.0552	0.0000	0.0003	0.0000	-0.0001
	1.02	VIVA	1.81E-01	9.92E-04	-7.47E-04		COMB7	0.5339	0.6044	0.0027	0.0033	0.0007	-0.0024
	0.00	VIENTO	2.62E-01	1.43E-03	3.83E-04		COMB8	-0.1461	-0.1417	-0.0010	-0.0008	-0.0003	0.0006
	1.02	VIENTO	2.62E-01	1.43E-03	-1.08E-03		COMB9	0.4084	0.4144	0.0019	0.0022	0.0006	-0.0012
	0.00	ESPECTRO	5.94E-02	2.65E-04	1.07E-04		COMB10	0.2533	0.2577	0.0011	0.0014	0.0003	-0.0006
	1.02	ESPECTRO	5.94E-02	2.65E-04	1.64E-04								
	0.00	DEAD	2.04E-01	7.91E-04	2.84E-04								
	1.01	DEAD	2.09E-01	8.42E-04	-5.39E-04		COMB1	0.5101	0.5169	0.0020	0.0021	0.0007	-0.0014
	0.00	COBERT	7.85E-02	3.31E-04	1.12E-04		COMB2	0.9399	0.9457	0.0038	0.0039	0.0013	-0.0026
	1.01	COBERT	7.85E-02	3.31E-04	-2.22E-04		COMB3	1.1843	1.1902	0.0049	0.0049	0.0017	-0.0033

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO AS-5 (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames													
ELE.	Stat.	OutputCase	P	V2	M3	ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
Text	m	Text	Ton	Ton	Ton-m								
3263	0.00	CORREAS	8.21E-02	2.97E-04	9.02E-05	3263	COMB4	0.0043	0.0101	-0.0001	-0.0001	0.0000	0.0001
	1.01	CORREAS	8.21E-02	2.97E-04	-2.09E-04		COMB5	0.8003	0.8062	0.0032	0.0033	0.0011	-0.0022
	0.00	VIVA	3.14E-01	1.32E-03	4.49E-04		COMB6	0.0741	0.0800	0.0002	0.0002	0.0001	-0.0001
	1.01	VIVA	3.14E-01	1.32E-03	-8.87E-04		COMB7	0.9179	1.0331	0.0038	0.0043	0.0013	-0.0028
	0.00	VIENTO	4.54E-01	1.91E-03	6.49E-04		COMB8	-0.2621	-0.2577	-0.0012	-0.0012	-0.0004	0.0008
	1.01	VIENTO	4.54E-01	1.91E-03	-1.28E-03		COMB9	0.6598	0.6656	0.0026	0.0027	0.0009	-0.0015
	0.00	ESPECTRO	6.55E-02	2.41E-04	9.47E-05		COMB10	0.3934	0.3978	0.0015	0.0016	0.0005	-0.0007
	1.01	ESPECTRO	6.55E-02	2.41E-04	1.48E-04								
3264	0.00	DEAD	2.47E-01	-1.05E-03	-3.66E-04								
	1.00	DEAD	2.52E-01	-8.66E-04	5.87E-04		COMB1	0.6088	0.6156	-0.0025	-0.0023	-0.0009	0.0015
	0.00	COBERT	9.66E-02	-3.90E-04	-1.38E-04		COMB2	1.1402	1.1460	-0.0047	-0.0045	-0.0016	0.0029
	1.00	COBERT	9.66E-02	-3.90E-04	2.50E-04		COMB3	1.4409	1.4467	-0.0059	-0.0057	-0.0021	0.0037
	0.00	CORREAS	9.08E-02	-3.76E-04	-1.27E-04		COMB4	-0.0107	-0.0049	0.0000	0.0002	0.0000	-0.0001
	1.00	CORREAS	9.08E-02	-3.76E-04	2.48E-04	3264	COMB5	0.9685	0.9743	-0.0040	-0.0038	-0.0014	0.0025
	0.00	VIVA	3.86E-01	-1.56E-03	-5.54E-04		COMB6	0.0752	0.0810	-0.0004	-0.0002	-0.0001	0.0001
	1.00	VIVA	3.86E-01	-1.56E-03	1.00E-03		COMB7	1.1172	1.2535	-0.0046	-0.0049	-0.0016	0.0032
	0.00	VIENTO	5.58E-01	-2.25E-03	-8.00E-04		COMB8	-0.3344	-0.3301	0.0013	0.0015	0.0005	-0.0009
	1.00	VIENTO	5.58E-01	-2.25E-03	1.45E-03		COMB9	0.7755	0.7813	-0.0028	-0.0025	-0.0010	0.0019
	0.00	ESPECTRO	6.05E-02	2.02E-04	7.08E-05		COMB10	0.4518	0.4562	-0.0014	-0.0013	-0.0005	0.0011
	1.00	ESPECTRO	6.05E-02	2.02E-04	1.32E-04								
3265	0.00	DEAD	2.66E-01	-1.01E-03	-3.29E-04								
	0.99	DEAD	2.71E-01	-6.06E-04	4.69E-04		COMB1	0.6748	0.6815	-0.0022	-0.0016	-0.0007	0.0012
	0.00	COBERT	1.04E-01	-2.69E-04	-9.94E-05		COMB2	1.2450	1.2508	-0.0036	-0.0031	-0.0013	0.0021
	0.99	COBERT	1.04E-01	-2.69E-04	1.65E-04		COMB3	1.5692	1.5749	-0.0044	-0.0040	-0.0016	0.0026
	0.00	CORREAS	1.12E-01	-2.96E-04	-9.65E-05		COMB4	0.0043	0.0100	-0.0004	0.0001	-0.0001	0.0001
	0.99	CORREAS	1.12E-01	-2.96E-04	1.96E-04	3265	COMB5	1.0599	1.0657	-0.0031	-0.0026	-0.0011	0.0018
	0.00	VIVA	4.17E-01	-1.07E-03	-3.98E-04		COMB6	0.0969	0.1027	-0.0007	-0.0002	-0.0002	0.0002
	0.99	VIVA	4.17E-01	-1.07E-03	6.62E-04		COMB7	1.2163	1.3666	-0.0034	-0.0034	-0.0012	0.0022
	0.00	VIENTO	6.02E-01	-1.55E-03	-5.74E-04		COMB8	-0.3486	-0.3443	0.0006	0.0010	0.0003	-0.0005
	0.99	VIENTO	6.02E-01	-1.55E-03	9.56E-04		COMB9	0.8328	0.8386	-0.0023	-0.0018	-0.0008	0.0014
	0.00	ESPECTRO	4.61E-02	9.64E-05	4.97E-05		COMB10	0.4799	0.4842	-0.0013	-0.0010	-0.0004	0.0008
	0.99	ESPECTRO	4.61E-02	9.64E-05	5.38E-05								
3266	0.00	DEAD	3.69E-01	-1.41E-03	-5.06E-04								
	0.97	DEAD	3.73E-01	-7.79E-04	5.59E-04		COMB1	0.9250	0.9316	-0.0033	-0.0025	-0.0013	0.0016
	0.00	COBERT	1.46E-01	-5.21E-04	-2.19E-04		COMB2	1.7254	1.7311	-0.0062	-0.0054	-0.0025	0.0032
	0.97	COBERT	1.46E-01	-5.21E-04	2.88E-04		COMB3	2.1789	2.1846	-0.0078	-0.0071	-0.0032	0.0041
	0.00	CORREAS	1.46E-01	-4.56E-04	-1.82E-04		COMB4	-0.0103	-0.0047	0.0000	0.0008	0.0001	-0.0003
	0.97	CORREAS	1.46E-01	-4.56E-04	2.63E-04	3266	COMB5	1.4665	1.4721	-0.0053	-0.0045	-0.0021	0.0027
	0.00	VIVA	5.83E-01	-2.08E-03	-8.77E-04		COMB6	0.1193	0.1249	-0.0005	0.0003	-0.0001	0.0000
	0.97	VIVA	5.83E-01	-2.08E-03	1.15E-03		COMB7	1.6893	1.8931	-0.0061	-0.0060	-0.0025	0.0035
	0.00	VIENTO	8.42E-01	-3.01E-03	-1.27E-03		COMB8	-0.5000	-0.4957	0.0018	0.0023	0.0008	-0.0012
	0.97	VIENTO	8.42E-01	-3.01E-03	1.67E-03		COMB9	1.1455	1.1511	-0.0038	-0.0030	-0.0015	0.0020
	0.00	ESPECTRO	6.11E-02	1.44E-04	5.18E-05		COMB10	0.6558	0.6600	-0.0020	-0.0014	-0.0008	0.0011
	0.97	ESPECTRO	6.11E-02	1.44E-04	9.73E-05								
1683	0.00	DEAD	-1.10E-02	-2.28E-03	-3.31E-04								
	1.20	DEAD	-1.10E-02	3.54E-03	-1.08E-03		COMB1	-0.0395	-0.0395	-0.0023	0.0058	-0.0002	-0.0023
	0.00	COBERT	2.51E-03	3.58E-04	1.25E-04		COMB2	-0.0178	-0.0178	0.0003	0.0073	0.0006	-0.0039
	1.20	COBERT	2.51E-03	3.58E-04	-3.04E-04		COMB3	-0.0100	-0.0100	0.0014	0.0084	0.0010	-0.0049
	0.00	CORREAS	-1.97E-02	2.64E-04	5.19E-05		COMB4	-0.0477	-0.0477	-0.0040	0.0030	-0.0009	-0.0003
	1.20	CORREAS	-1.97E-02	2.64E-04	-2.64E-04	1683	COMB5	-0.0223	-0.0223	-0.0003	0.0066	0.0004	-0.0034
	0.00	VIVA	1.01E-02	1.43E-03	4.98E-04		COMB6	-0.0455	-0.0455	-0.0036	0.0033	-0.0008	-0.0006
	1.20	VIVA	1.01E-02	1.43E-03	-1.21E-03		COMB7	-0.0065	-0.0150	0.0012	0.0077	0.0008	-0.0043
	0.00	VIENTO	1.45E-02	2.07E-03	7.20E-04		COMB8	-0.0443	-0.0443	-0.0042	0.0011	-0.0011	0.0008
	1.20	VIENTO	1.45E-02	2.07E-03	-1.75E-03		COMB9	-0.0262	-0.0262	-0.0011	0.0059	0.0001	-0.0024
	0.00	ESPECTRO	2.63E-03	2.15E-04	5.20E-05		COMB10	-0.0228	-0.0228	-0.0013	0.0040	-0.0001	-0.0013
	1.20	ESPECTRO	2.63E-03	2.15E-04	2.05E-04								
3428	0.00	DEAD	-7.76E-01	-5.36E-03	-1.88E-03								
	1.12	DEAD	-7.67E-01	-4.59E-04	1.37E-03		COMB1	-2.0427	-2.0294	-0.0112	-0.0044	-0.0046	0.0041
	0.00	COBERT	-3.39E-01	-1.27E-03	-6.73E-04		COMB2	-3.9179	-3.9065	-0.0177	-0.0118	-0.0083	0.0083
	1.12	COBERT	-3.39E-01	-1.27E-03	7.44E-04		COMB3	-4.9717	-4.9603	-0.0216	-0.0158	-0.0104	0.0106
	0.00	CORREAS	-3.44E-01	-1.38E-03	-7.39E-04		COMB4	0.1156	0.1269	-0.0026	0.0033	-0.0002	-0.0006
	1.12	CORREAS	-3.44E-01	-1.38E-03	8.08E-04	3428	COMB5	-3.3162	-3.3048	-0.0155	-0.0096	-0.0071	0.0069
	0.00	VIVA	-1.35E+00	-5.06E-03	-2.69E-03		COMB6	-0.1856	-0.1742	-0.0038	0.0021	-0.0008	0.0001
	1.12	VIVA	-1.35E+00	-5.06E-03	2.97E-03		COMB7	-3.8568	-4.2832	-0.0167	-0.0132	-0.0080	0.0091
	0.00	VIENTO	-1.96E+00	-7.32E-03	-3.89E-03		COMB8	1.2305	1.2390	0.0023	0.0067	0.0021	-0.0030
	1.12	VIENTO	-1.96E+00	-7.32E-03	4.30E-03		COMB9	-2.1779	-2.1665	-0.0112	-0.0053	-0.0048	0.0055
	0.00	ESPECTRO	2.50E-01	9.64E-04	5.44E-04		COMB10	-1.0630	-1.0545	-0.0062	-0.0018	-0.0024	0.0032
	1.12	ESPECTRO	2.50E-01	9.64E-04	5.36E-04								
3429	0.00	DEAD	-8.21E-01	-7.05E-03	-3.08E-03								
	1.11	DEAD	-8.12E-01	-2.64E-03	2.29E-03		COMB1	-2.1442	-2.1308	-0.0157	-0.0096	-0.0076	0.0064
	0.00	COBERT	-3.54E-01	-2.08E-03	-1.17E-03		COMB2	-4.1038	-4.0923	-0.0268	-0.0215	-0.0140	0.0128
	1.11	COBERT	-3.54E-01	-2.08E-03	1.14E-03		COMB3	-5.2056	-5.1941	-0.0333	-0.0280	-0.0176	0.0163
	0.00	CORREAS	-3.56E-01	-2.11E-03	-1.18E-03		COMB4	0.1136	0.1251	-0.0020	0.0033	-0.0001	-0.0008
	1.11	CORREAS	-3.56E-01	-2.11E-03	1.16E-03	3429	COMB5	-3.4746	-3.4631	-0.0231	-0.0178	-0.0119	0.0108
	0.00	VIVA	-1.42E+00	-8.31E-03	-4.67E-03		COMB6	-0.2012	-0.1897	-0.0039	0.0014	-0.0011	0.0003
	1.11	VIVA	-1.42E+00	-8.31E-03	4.55E-03		COMB7	-4.0381	-4.4861	-0.0257	-0.0238	-0.0137	0.0140

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO AS-5 (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames													
ELE.	Stat.	OutputCase	P	V2	M3	ELE.	COMB	Pu_1	Pu_2	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1	Mu_2
Text	m	Text	Ton	Ton	Ton-m			(Ton)	(Ton)			(Ton.m)	(Ton.m)
	0.00	VIENTO	-2.05E+00	-1.20E-02	-6.74E-03		COMB8	1.2812	1.2898	0.0055	0.0095	0.0039	-0.0044
	1.11	VIENTO	-2.05E+00	-1.20E-02	6.57E-03		COMB9	-2.2896	-2.2781	-0.0161	-0.0108	-0.0080	0.0086
	0.00	ESPECTRO	2.56E-01	1.51E-03	8.93E-04		COMB10	-1.1220	-1.1134	-0.0086	-0.0046	-0.0040	0.0049
	1.11	ESPECTRO	2.56E-01	1.51E-03	7.85E-04								
	0.00	DEAD	-8.01E-01	-6.28E-03	-2.74E-03								
	1.10	DEAD	-7.91E-01	-2.35E-03	1.99E-03		COMB1	-2.1223	-2.1087	-0.0142	-0.0087	-0.0069	0.0057
	0.00	COBERT	-3.57E-01	-1.95E-03	-1.09E-03		COMB2	-4.1063	-4.0947	-0.0246	-0.0199	-0.0128	0.0116
	1.10	COBERT	-3.57E-01	-1.95E-03	1.05E-03		COMB3	-5.2185	-5.2069	-0.0307	-0.0260	-0.0162	0.0149
	0.00	CORREAS	-3.58E-01	-1.90E-03	-1.07E-03		COMB4	0.1508	0.1625	-0.0014	0.0033	0.0001	-0.0009
3430	1.10	CORREAS	-3.58E-01	-1.90E-03	1.01E-03	3430	COMB5	-3.4712	-3.4596	-0.0212	-0.0164	-0.0109	0.0097
	0.00	VIVA	-1.43E+00	-7.79E-03	-4.35E-03		COMB6	-0.1670	-0.1554	-0.0031	0.0016	-0.0008	0.0000
	1.10	VIVA	-1.43E+00	-7.79E-03	4.20E-03		COMB7	-4.0490	-4.4922	-0.0237	-0.0221	-0.0126	0.0128
	0.00	VIENTO	-2.07E+00	-1.13E-02	-6.29E-03		COMB8	1.3204	1.3291	0.0055	0.0091	0.0038	-0.0042
	1.10	VIENTO	-2.07E+00	-1.13E-02	6.07E-03		COMB9	-2.2910	-2.2794	-0.0147	-0.0100	-0.0073	0.0076
	0.00	ESPECTRO	2.43E-01	1.31E-03	7.82E-04		COMB10	-1.1215	-1.1128	-0.0078	-0.0043	-0.0036	0.0043
	1.10	ESPECTRO	2.43E-01	1.31E-03	6.58E-04								
	0.00	DEAD	-7.06E-01	-5.41E-03	-2.41E-03								
	1.09	DEAD	-6.96E-01	-1.97E-03	1.60E-03		COMB1	-1.8776	-1.8640	-0.0123	-0.0075	-0.0061	0.0047
	0.00	COBERT	-3.26E-01	-1.72E-03	-9.85E-04		COMB2	-3.6969	-3.6852	-0.0216	-0.0174	-0.0115	0.0097
	1.09	COBERT	-3.26E-01	-1.72E-03	8.87E-04		COMB3	-4.7120	-4.7003	-0.0269	-0.0228	-0.0146	0.0124
	0.00	CORREAS	-3.09E-01	-1.64E-03	-9.50E-04		COMB4	0.1885	0.2002	-0.0010	0.0031	0.0002	-0.0009
3431	1.09	CORREAS	-3.09E-01	-1.64E-03	8.35E-04	3431	COMB5	-3.1173	-3.1056	-0.0185	-0.0144	-0.0098	0.0081
	0.00	VIVA	-1.30E+00	-6.89E-03	-3.94E-03		COMB6	-0.1015	-0.0898	-0.0026	0.0016	-0.0007	-0.0001
	1.09	VIVA	-1.30E+00	-6.89E-03	3.55E-03		COMB7	-3.6573	-4.0480	-0.0208	-0.0193	-0.0113	0.0107
	0.00	VIENTO	-1.88E+00	-9.95E-03	-5.69E-03		COMB8	1.2432	1.2520	0.0050	0.0081	0.0035	-0.0037
	1.09	VIENTO	-1.88E+00	-9.95E-03	5.13E-03		COMB9	-2.0558	-2.0441	-0.0129	-0.0088	-0.0065	0.0063
	0.00	ESPECTRO	2.06E-01	1.08E-03	6.71E-04		COMB10	-1.0011	-0.9923	-0.0068	-0.0037	-0.0032	0.0035
	1.09	ESPECTRO	2.06E-01	1.08E-03	5.05E-04								
	0.00	DEAD	-5.49E-01	-4.15E-03	-1.87E-03								
	1.08	DEAD	-5.39E-01	-1.19E-03	1.00E-03		COMB1	-1.4876	-1.4738	-0.0093	-0.0051	-0.0047	0.0030
	0.00	COBERT	-2.61E-01	-1.27E-03	-7.65E-04		COMB2	-2.9448	-2.9330	-0.0161	-0.0125	-0.0089	0.0064
	1.08	COBERT	-2.61E-01	-1.27E-03	6.00E-04		COMB3	-3.7568	-3.7450	-0.0200	-0.0165	-0.0113	0.0083
	0.00	CORREAS	-2.53E-01	-1.20E-03	-7.34E-04		COMB4	0.1631	0.1748	-0.0009	0.0026	0.0002	-0.0007
	1.08	CORREAS	-2.53E-01	-1.20E-03	5.56E-04		COMB5	-2.4812	-2.4694	-0.0138	-0.0103	-0.0076	0.0054
3432	0.00	VIVA	-1.04E+00	-5.07E-03	-3.06E-03	3432	COMB6	-0.0690	-0.0572	-0.0021	0.0015	-0.0005	-0.0002
	1.08	VIVA	-1.04E+00	-5.07E-03	2.40E-03		COMB7	-2.9162	-3.2232	-0.0155	-0.0139	-0.0088	0.0071
	0.00	VIENTO	-1.51E+00	-7.33E-03	-4.42E-03		COMB8	1.0036	1.0124	0.0036	0.0062	0.0027	-0.0026
	1.08	VIENTO	-1.51E+00	-7.33E-03	3.47E-03		COMB9	-1.6463	-1.6346	-0.0097	-0.0062	-0.0051	0.0041
	0.00	ESPECTRO	1.51E-01	7.24E-04	4.94E-04		COMB10	-0.8058	-0.7970	-0.0052	-0.0026	-0.0025	0.0022
	1.08	ESPECTRO	1.51E-01	7.24E-04	2.89E-04								
	0.00	DEAD	-3.62E-01	-2.83E-03	-1.30E-03								
	1.06	DEAD	-3.52E-01	-3.56E-04	3.99E-04		COMB1	-0.9858	-0.9720	-0.0061	-0.0026	-0.0033	0.0014
	0.00	COBERT	-1.79E-01	-7.77E-04	-5.22E-04		COMB2	-1.9878	-1.9760	-0.0102	-0.0072	-0.0061	0.0031
	1.06	COBERT	-1.79E-01	-7.77E-04	3.04E-04		COMB3	-2.5436	-2.5318	-0.0126	-0.0096	-0.0078	0.0041
	0.00	CORREAS	-1.64E-01	-7.48E-04	-5.11E-04		COMB4	0.1394	0.1512	-0.0009	0.0020	0.0001	-0.0005
3433	1.06	CORREAS	-1.64E-01	-7.48E-04	2.85E-04	3433	COMB5	-1.6705	-1.6587	-0.0088	-0.0058	-0.0052	0.0026
	0.00	VIVA	-7.14E-01	-3.11E-03	-2.09E-03		COMB6	-0.0194	-0.0076	-0.0016	0.0013	-0.0004	-0.0002
	1.06	VIVA	-7.14E-01	-3.11E-03	1.22E-03		COMB7	-1.9752	-2.1747	-0.0097	-0.0081	-0.0060	0.0035
	0.00	VIENTO	-1.03E+00	-4.49E-03	-3.02E-03		COMB8	0.7078	0.7166	0.0019	0.0041	0.0018	-0.0014
	1.06	VIENTO	-1.03E+00	-4.49E-03	1.76E-03		COMB9	-1.1156	-1.1038	-0.0064	-0.0035	-0.0035	0.0019
	0.00	ESPECTRO	8.65E-02	3.58E-04	3.11E-04		COMB10	-0.5472	-0.5384	-0.0036	-0.0013	-0.0018	0.0010
	1.06	ESPECTRO	8.65E-02	3.58E-04	8.91E-05								
	0.00	DEAD	-1.72E-01	-1.59E-03	-7.57E-04								
	1.05	DEAD	-1.62E-01	3.91E-04	-1.23E-04		COMB1	-0.5038	-0.4900	-0.0031	-0.0004	-0.0019	0.0000
	0.00	COBERT	-9.48E-02	-3.30E-04	-2.97E-04		COMB2	-1.0383	-1.0265	-0.0048	-0.0024	-0.0035	0.0003
	1.05	COBERT	-9.48E-02	-3.30E-04	5.02E-05		COMB3	-1.3333	-1.3215	-0.0058	-0.0034	-0.0044	0.0004
	0.00	CORREAS	-9.28E-02	-3.17E-04	-2.95E-04		COMB4	0.0906	0.1023	-0.0009	0.0015	0.0000	-0.0003
3434	1.05	CORREAS	-9.28E-02	-3.17E-04	3.87E-05	3434	COMB5	-0.8699	-0.8581	-0.0042	-0.0018	-0.0030	0.0002
	0.00	VIVA	-3.79E-01	-1.32E-03	-1.19E-03		COMB6	0.0063	0.0181	-0.0012	0.0012	-0.0002	-0.0003
	1.05	VIVA	-3.79E-01	-1.32E-03	2.01E-04		COMB7	-1.0358	-1.1319	-0.0045	-0.0028	-0.0034	0.0003
	0.00	VIENTO	-5.48E-01	-1.90E-03	-1.72E-03		COMB8	0.3880	0.3969	0.0005	0.0022	0.0010	-0.0004
	1.05	VIENTO	-5.48E-01	-1.90E-03	2.90E-04		COMB9	-0.5954	-0.5836	-0.0033	-0.0009	-0.0021	0.0002
	0.00	ESPECTRO	2.60E-02	6.52E-05	1.40E-04		COMB10	-0.2979	-0.2891	-0.0020	-0.0002	-0.0011	0.0001
	1.05	ESPECTRO	2.60E-02	6.52E-05	1.33E-04								
	0.00	DEAD	2.76E-03	-4.26E-04	-2.77E-04								
	1.04	DEAD	1.26E-02	1.08E-03	-6.18E-04		COMB1	-0.0310	-0.0173	-0.0004	0.0017	-0.0007	-0.0014
	0.00	COBERT	-1.68E-02	8.88E-05	-9.58E-05		COMB2	-0.1342	-0.1224	0.0002	0.0020	-0.0012	-0.0024
	1.04	COBERT	-1.68E-02	8.88E-05	-1.88E-04		COMB3	-0.1865	-0.1748	0.0005	0.0023	-0.0015	-0.0030
	0.00	CORREAS	-8.12E-03	5.55E-05	-1.14E-04		COMB4	0.0661	0.0778	-0.0008	0.0010	-0.0001	-0.0001
3435	1.04	CORREAS	-8.12E-03	5.55E-05	-1.72E-04	3435	COMB5	-0.1043	-0.0926	0.0001	0.0019	-0.0010	-0.0020
	0.00	VIVA	-6.73E-02	3.55E-04	-3.83E-04		COMB6	0.0511	0.0629	-0.0007	0.0011	-0.0001	-0.0003
	1.04	VIVA	-6.73E-02	3.55E-04	-7.54E-04		COMB7	-0.1463	-0.1411	0.0004	0.0021	-0.0012	-0.0026
	0.00	VIENTO	-9.72E-02	5.13E-04	-5.54E-04		COMB8	0.1063	0.1152	-0.0009	0.0004	0.0003	0.0005
	1.04	VIENTO	-9.72E-02	5.13E-04	-1.09E-03		COMB9	-0.0177	-0.0060	0.0002	0.0020	-0.0008	-0.0012
	0.00	ESPECTRO	4.25E-02	3.25E-04	2.24E-05		COMB10	0.0225	0.0314	0.0001	0.0014	-0.0004	-0.0006
	1.04	ESPECTRO	4.25E-02	3.25E-04	3.21E-04								

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO AS-5 (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames						ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
ELE.	Stat.	OutputCase	P	V2	M3								
Text	m	Text	Ton	Ton	Ton-m								
	0.00	DEAD	1.49E-01	4.53E-04	1.29E-04								
	1.03	DEAD	1.54E-01	9.80E-04	-6.10E-04		COMB1	0.3408	0.3478	0.0014	0.0021	0.0003	-0.0015
	0.00	COBERT	5.05E-02	2.93E-04	6.27E-05		COMB2	0.6156	0.6216	0.0031	0.0037	0.0007	-0.0028
	1.03	COBERT	5.05E-02	2.93E-04	-2.39E-04		COMB3	0.7729	0.7789	0.0040	0.0046	0.0009	-0.0036
	0.00	CORREAS	4.39E-02	2.56E-04	4.28E-05		COMB4	0.0135	0.0195	-0.0004	0.0002	-0.0001	0.0000
3436	1.03	CORREAS	4.39E-02	2.56E-04	-2.21E-04	3436	COMB5	0.5258	0.5318	0.0026	0.0032	0.0006	-0.0024
	0.00	VIVA	2.02E-01	1.17E-03	2.51E-04		COMB6	0.0585	0.0645	-0.0002	0.0005	0.0000	-0.0002
	1.03	VIVA	2.02E-01	1.17E-03	-9.58E-04		COMB7	0.5988	0.6778	0.0031	0.0040	0.0007	-0.0031
	0.00	VIENTO	2.92E-01	1.69E-03	3.63E-04		COMB8	-0.1606	-0.1561	-0.0013	-0.0008	-0.0003	0.0008
	1.03	VIENTO	2.92E-01	1.69E-03	-1.38E-03		COMB9	0.4819	0.4879	0.0022	0.0028	0.0005	-0.0015
	0.00	ESPECTRO	8.87E-02	3.98E-04	1.18E-04		COMB10	0.3078	0.3123	0.0013	0.0018	0.0003	-0.0007
	1.03	ESPECTRO	8.87E-02	3.98E-04	2.93E-04								
	0.00	DEAD	2.65E-01	1.03E-03	3.96E-04								
	1.02	DEAD	2.70E-01	1.32E-03	-8.06E-04		COMB1	0.6665	0.6734	0.0028	0.0032	0.0010	-0.0020
	0.00	COBERT	1.06E-01	5.01E-04	1.71E-04		COMB2	1.2481	1.2540	0.0056	0.0059	0.0019	-0.0039
	1.02	COBERT	1.06E-01	5.01E-04	-3.40E-04		COMB3	1.5772	1.5831	0.0071	0.0075	0.0025	-0.0050
	0.00	CORREAS	1.06E-01	4.43E-04	1.43E-04		COMB4	-0.0116	-0.0057	-0.0004	0.0000	-0.0001	0.0001
3437	1.02	CORREAS	1.06E-01	4.43E-04	-3.09E-04	3437	COMB5	1.0602	1.0661	0.0047	0.0050	0.0016	-0.0033
	0.00	VIVA	4.23E-01	2.00E-03	6.83E-04		COMB6	0.0824	0.0884	0.0001	0.0004	0.0001	-0.0002
	1.02	VIVA	4.23E-01	2.00E-03	-1.36E-03		COMB7	1.2229	1.3716	0.0055	0.0065	0.0019	-0.0043
	0.00	VIENTO	6.11E-01	2.89E-03	9.87E-04		COMB8	-0.3660	-0.3615	-0.0020	-0.0017	-0.0006	0.0012
	1.02	VIENTO	6.11E-01	2.89E-03	-1.96E-03		COMB9	0.9115	0.9175	0.0040	0.0043	0.0014	-0.0021
	0.00	ESPECTRO	1.29E-01	5.75E-04	2.19E-04		COMB10	0.5572	0.5617	0.0024	0.0026	0.0009	-0.0009
	1.02	ESPECTRO	1.29E-01	5.75E-04	3.68E-04								
	0.00	DEAD	3.54E-01	1.49E-03	5.92E-04								
	1.01	DEAD	3.59E-01	1.54E-03	-9.38E-04		COMB1	0.8907	0.8976	0.0038	0.0039	0.0015	-0.0024
	0.00	COBERT	1.47E-01	6.44E-04	2.50E-04		COMB2	1.7051	1.7110	0.0074	0.0075	0.0029	-0.0046
	1.01	COBERT	1.47E-01	6.44E-04	-4.00E-04		COMB3	2.1630	2.1689	0.0094	0.0095	0.0037	-0.0059
	0.00	CORREAS	1.35E-01	6.10E-04	2.30E-04		COMB4	-0.0475	-0.0416	-0.0003	-0.0002	-0.0001	0.0001
3438	1.01	CORREAS	1.35E-01	6.10E-04	-3.85E-04	3438	COMB5	1.4436	1.4495	0.0063	0.0063	0.0024	-0.0039
	0.00	VIVA	5.88E-01	2.57E-03	9.98E-04		COMB6	0.0834	0.0892	0.0003	0.0004	0.0001	-0.0002
	1.01	VIVA	5.88E-01	2.57E-03	-1.60E-03		COMB7	1.6779	1.8746	0.0073	0.0082	0.0028	-0.0051
	0.00	VIENTO	8.50E-01	3.72E-03	1.44E-03		COMB8	-0.5326	-0.5282	-0.0024	-0.0023	-0.0009	0.0015
	1.01	VIENTO	8.50E-01	3.72E-03	-2.31E-03		COMB9	1.2177	1.2236	0.0053	0.0053	0.0021	-0.0024
	0.00	ESPECTRO	1.60E-01	6.95E-04	2.83E-04		COMB10	0.7325	0.7370	0.0032	0.0032	0.0012	-0.0011
	1.01	ESPECTRO	1.60E-01	6.95E-04	4.18E-04								
	0.00	DEAD	4.22E-01	-1.86E-03	-7.43E-04								
	1.00	DEAD	4.27E-01	-1.68E-03	1.02E-03		COMB1	1.0893	1.0961	-0.0047	-0.0045	-0.0019	0.0027
	0.00	COBERT	1.79E-01	-7.95E-04	-3.29E-04		COMB2	2.0783	2.0841	-0.0091	-0.0089	-0.0037	0.0053
	1.00	COBERT	1.79E-01	-7.95E-04	4.64E-04		COMB3	2.6349	2.6407	-0.0116	-0.0114	-0.0048	0.0067
	0.00	CORREAS	1.77E-01	-7.12E-04	-2.85E-04		COMB4	-0.0521	-0.0463	0.0003	0.0006	0.0002	-0.0003
3439	1.00	CORREAS	1.77E-01	-7.12E-04	4.26E-04	3439	COMB5	1.7605	1.7663	-0.0077	-0.0075	-0.0031	0.0044
	0.00	VIVA	7.15E-01	-3.18E-03	-1.31E-03		COMB6	0.1069	0.1127	-0.0004	-0.0001	-0.0001	0.0001
	1.00	VIVA	7.15E-01	-3.18E-03	1.86E-03		COMB7	2.0438	2.2830	-0.0090	-0.0098	-0.0037	0.0058
	0.00	VIENTO	1.03E+00	-4.59E-03	-1.90E-03		COMB8	-0.6433	-0.6389	0.0029	0.0031	0.0012	-0.0018
	1.00	VIENTO	1.03E+00	-4.59E-03	2.68E-03		COMB9	1.4754	1.4812	-0.0048	-0.0046	-0.0020	0.0037
	0.00	ESPECTRO	1.84E-01	7.84E-04	3.33E-04		COMB10	0.8843	0.8886	-0.0022	-0.0021	-0.0009	0.0022
	1.00	ESPECTRO	1.84E-01	7.84E-04	4.49E-04								
	0.00	DEAD	4.74E-01	-2.31E-03	-9.00E-04								
	0.99	DEAD	4.79E-01	-1.91E-03	1.18E-03		COMB1	1.2227	1.2294	-0.0057	-0.0052	-0.0023	0.0031
	0.00	COBERT	2.09E-01	-9.07E-04	-3.92E-04		COMB2	2.3882	2.3939	-0.0107	-0.0102	-0.0045	0.0059
	0.99	COBERT	2.09E-01	-9.07E-04	5.03E-04		COMB3	3.0398	3.0456	-0.0135	-0.0131	-0.0057	0.0074
	0.00	CORREAS	1.90E-01	-8.77E-04	-3.54E-04		COMB4	-0.1062	-0.1005	0.0001	0.0006	0.0002	-0.0001
3440	0.99	CORREAS	1.90E-01	-8.77E-04	5.11E-04	3440	COMB5	2.0161	2.0218	-0.0091	-0.0086	-0.0038	0.0050
	0.00	VIVA	8.38E-01	-3.63E-03	-1.57E-03		COMB6	0.0800	0.0858	-0.0007	-0.0002	-0.0002	0.0003
	0.99	VIVA	8.38E-01	-3.63E-03	2.01E-03		COMB7	2.3590	2.6268	-0.0105	-0.0112	-0.0044	0.0064
	0.00	VIENTO	1.21E+00	-5.24E-03	-2.26E-03		COMB8	-0.7870	-0.7827	0.0031	0.0035	0.0015	-0.0018
	0.99	VIENTO	1.21E+00	-5.24E-03	2.91E-03		COMB9	1.6699	1.6756	-0.0058	-0.0053	-0.0024	0.0042
	0.00	ESPECTRO	2.03E-01	9.21E-04	3.91E-04		COMB10	0.9891	0.9934	-0.0028	-0.0024	-0.0011	0.0025
	0.99	ESPECTRO	2.03E-01	9.21E-04	5.17E-04								
	0.00	DEAD	5.30E-01	-2.42E-03	-1.03E-03								
	0.97	DEAD	5.34E-01	-1.79E-03	1.02E-03		COMB1	1.4045	1.4111	-0.0064	-0.0055	-0.0028	0.0030
	0.00	COBERT	2.46E-01	-1.26E-03	-5.62E-04		COMB2	2.7761	2.7818	-0.0135	-0.0128	-0.0060	0.0068
	0.97	COBERT	2.46E-01	-1.26E-03	6.63E-04		COMB3	3.5407	3.5463	-0.0175	-0.0167	-0.0078	0.0089
	0.00	CORREAS	2.28E-01	-9.07E-04	-4.15E-04		COMB4	-0.1503	-0.1446	0.0014	0.0022	0.0007	-0.0011
3441	0.97	CORREAS	2.28E-01	-9.07E-04	4.69E-04	3441	COMB5	2.3396	2.3452	-0.0113	-0.0106	-0.0050	0.0056
	0.00	VIVA	9.83E-01	-5.03E-03	-2.25E-03		COMB6	0.0682	0.0738	0.0003	0.0011	0.0002	-0.0005
	0.97	VIVA	9.83E-01	-5.03E-03	2.65E-03		COMB7	2.7484	3.0550	-0.0136	-0.0142	-0.0060	0.0076
	0.00	VIENTO	1.42E+00	-7.26E-03	-3.25E-03		COMB8	-0.9426	-0.9383	0.0053	0.0059	0.0024	-0.0030
	0.97	VIENTO	1.42E+00	-7.26E-03	3.83E-03		COMB9	1.9159	1.9215	-0.0071	-0.0064	-0.0031	0.0043
	0.00	ESPECTRO	2.21E-01	8.75E-04	4.22E-04		COMB10	1.1236	1.1278	-0.0032	-0.0027	-0.0014	0.0024
	0.97	ESPECTRO	2.21E-01	8.75E-04	4.31E-04								
	0.00	DEAD	5.73E-01	-3.99E-03	-1.65E-03								
	0.96	DEAD	5.82E-01	-2.34E-03	1.40E-03		COMB1	1.5433	1.5559	-0.0093	-0.0070	-0.0042	0.0037
	0.00	COBERT	2.92E-01	-1.51E-03	-7.54E-04		COMB2	3.1921	3.2029	-0.0177	-0.0157	-0.0084	0.0077
	0.96	COBERT	2.92E-01	-1.51E-03	7.06E-04		COMB3	4.1011	4.1119	-0.0224	-0.0204	-0.0107	0.0099

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO AS-5 (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames					
ELE.	Stat.	OutputCase	P	V2	M3
Text	m	Text	Ton	Ton	Ton-m
3442	0.00	CORREAS	2.37E-01	-1.16E-03	-5.71E-04
	0.96	CORREAS	2.37E-01	-1.16E-03	5.48E-04
	0.00	VIVA	1.17E+00	-6.06E-03	-3.01E-03
	0.96	VIVA	1.17E+00	-6.06E-03	2.82E-03
	0.00	VIENTO	1.69E+00	-8.75E-03	-4.36E-03
	0.96	VIENTO	1.69E+00	-8.75E-03	4.08E-03
	0.00	ESPECTRO	2.33E-01	1.43E-03	7.30E-04
	0.96	ESPECTRO	2.33E-01	1.43E-03	6.47E-04

ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
3442	COMB4	-0.2871	-0.2763	0.0003	0.0023	0.0006	-0.0007
	COMB5	2.6731	2.6839	-0.0150	-0.0130	-0.0070	0.0065
	COMB6	-0.0274	-0.0166	-0.0010	0.0010	-0.0001	-0.0001
	COMB7	3.1863	3.5278	-0.0174	-0.0174	-0.0083	0.0085
	COMB8	-1.2020	-1.1939	0.0054	0.0069	0.0030	-0.0029
	COMB9	2.1400	2.1508	-0.0096	-0.0076	-0.0043	0.0052
	COMB10	1.2252	1.2333	-0.0046	-0.0031	-0.0019	0.0030

BRIDAS SUPERIORES						
MAX. VALOR:	6.3432	6.3474	0.1357	0.1383	0.0266	0.0134
MIN. VALOR:	-7.6247	-7.6238	-0.0553	-0.0514	-0.0156	-0.0143
BRIDAS INFERIORES						
MAX. VALOR:	14.3055	14.3091	0.0837	0.0901	0.0232	0.0261
MIN. VALOR:	-3.8614	-3.8587	-0.1008	-0.0975	-0.0280	-0.0206
MONTANTES						
MAX. VALOR:	4.7939	4.7870	0.0648	0.0674	0.0312	0.0213
MIN. VALOR:	-3.0778	-3.0689	-0.0555	-0.0518	-0.0229	-0.0250
DIAGONALES						
MAX. VALOR:	4.1011	4.1119	0.0094	0.0095	0.0039	0.0173
MIN. VALOR:	-5.3655	-5.3539	-0.0333	-0.0280	-0.0176	-0.0059

VIGA METALICA

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO VIGA (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames													
ELE.	Stat.	OutputCase	P	V2	M3	ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
Text	m	Text	Ton	Ton	Ton-m								
BRIDA SUPERIOR						BRIDA SUPERIOR							
2848	0.00	DEAD	-1.77E+00	1.49E+00	1.59E-01	2848							
	0.40	DEAD	-1.77E+00	1.51E+00	-8.10E-02		COMB1	-4.5715	-4.5715	3.8746	3.8902	0.4129	-0.2082
	0.00	COBERT	-7.38E-01	6.26E-01	6.66E-02		COMB2	-8.6407	-8.6407	7.3276	7.3410	0.7802	-0.3931
	0.40	COBERT	-7.38E-01	6.26E-01	-3.35E-02		COMB3	-10.9371	-10.9371	9.2759	9.2893	0.9875	-0.4975
	0.00	CORREAS	-7.59E-01	6.47E-01	6.93E-02		COMB4	0.1488	0.1488	-0.1297	-0.1163	-0.0133	0.0064
	0.40	CORREAS	-7.59E-01	6.47E-01	-3.41E-02		COMB5	-7.3295	-7.3295	6.2151	6.2285	0.6618	-0.3335
	0.00	VIVA	-2.95E+00	2.50E+00	2.66E-01		COMB6	-0.5074	-0.5074	0.4271	0.4404	0.0460	-0.0234
	0.40	VIVA	-2.95E+00	2.50E+00	-1.34E-01		COMB7	-8.4818	-9.4614	7.1936	8.0373	0.7658	-0.4304
	0.00	VIENTO	-4.26E+00	3.62E+00	3.85E-01		COMB8	2.6041	2.6041	-2.2120	-2.2019	-0.2349	0.1181
	0.40	VIENTO	-4.26E+00	3.62E+00	-1.94E-01		COMB9	-5.1831	-5.1831	4.7839	4.7972	0.5137	-0.2379
	0.00	ESPECTRO	2.11E-01	2.11E-01	2.66E-02		COMB10	-2.7277	-2.7277	2.7016	2.7116	0.2920	-0.1263
	0.40	ESPECTRO	2.11E-01	2.11E-01	7.58E-03								
2849	0.00	DEAD	-2.24E+00	-2.36E-01	-8.32E-02	2849							
	0.10	DEAD	-2.24E+00	-2.34E-01	-7.42E-02		COMB1	-5.8089	-5.8089	-0.5284	-0.5247	-0.2127	-0.1927
	0.00	COBERT	-9.44E-01	-7.97E-02	-3.42E-02		COMB2	-11.0219	-11.0219	-0.9629	-0.9597	-0.4011	-0.3645
	0.10	COBERT	-9.44E-01	-7.97E-02	-3.12E-02		COMB3	-13.9604	-13.9604	-1.2109	-1.2077	-0.5075	-0.4615
	0.00	CORREAS	-9.65E-01	-6.14E-02	-3.46E-02		COMB4	0.2256	0.2256	-0.0137	-0.0105	0.0062	0.0066
	0.10	CORREAS	-9.65E-01	-6.14E-02	-3.22E-02		COMB5	-9.3440	-9.3440	-0.8213	-0.8181	-0.3403	-0.3092
	0.00	VIVA	-3.78E+00	-3.19E-01	-1.37E-01		COMB6	-0.6141	-0.6141	-0.0846	-0.0814	-0.0242	-0.0211
	0.10	VIVA	-3.78E+00	-3.19E-01	-1.25E-01		COMB7	-10.8273	-12.0721	-0.9383	-1.0484	-0.3935	-0.3992
	0.00	VIENTO	-5.46E+00	-4.60E-01	-1.98E-01		COMB8	3.3587	3.3587	0.2589	0.2613	0.1201	0.1102
	0.10	VIENTO	-5.46E+00	-4.60E-01	-1.80E-01		COMB9	-6.5120	-6.5120	-0.6085	-0.6053	-0.2446	-0.2215
	0.00	ESPECTRO	3.55E-01	3.81E-03	6.06E-03		COMB10	-3.3789	-3.3789	-0.3359	-0.3335	-0.1307	-0.1179
	0.10	ESPECTRO	3.55E-01	3.81E-03	5.92E-03								
2850	0.00	DEAD	-2.24E+00	-3.57E-01	-6.20E-02	2850							
	0.50	DEAD	-2.24E+00	-3.43E-01	7.31E-03		COMB1	-5.7431	-5.7431	-0.9124	-0.8931	-0.1600	0.0188
	0.00	COBERT	-8.99E-01	-1.45E-01	-2.57E-02		COMB2	-10.6773	-10.6773	-1.7106	-1.6940	-0.3017	0.0353
	0.50	COBERT	-8.99E-01	-1.45E-01	3.01E-03		COMB3	-13.4757	-13.4757	-2.1621	-2.1456	-0.3817	0.0447
	0.00	CORREAS	-9.65E-01	-1.50E-01	-2.65E-02		COMB4	0.0338	0.0338	0.0177	0.0342	0.0046	-0.0005
	0.50	CORREAS	-9.65E-01	-1.50E-01	3.08E-03		COMB5	-9.0794	-9.0794	-1.4527	-1.4362	-0.2560	0.0300
	0.00	VIVA	-3.60E+00	-5.80E-01	-1.03E-01		COMB6	-0.7659	-0.7659	-0.1113	-0.0948	-0.0182	0.0022
	0.50	VIVA	-3.60E+00	-5.80E-01	1.20E-02		COMB7	-10.4467	-11.6774	-1.6764	-1.8554	-0.2960	0.0387
	0.00	VIENTO	-5.20E+00	-8.38E-01	-1.49E-01		COMB8	3.0628	3.0628	0.5034	0.5158	0.0904	-0.0105
	0.50	VIENTO	-5.20E+00	-8.38E-01	1.74E-02		COMB9	-6.3490	-6.3490	-1.0447	-1.0281	-0.1836	0.0226
	0.00	ESPECTRO	3.72E-01	2.75E-02	4.90E-03		COMB10	-3.3200	-3.3200	-0.5590	-0.5466	-0.0979	0.0126
	0.50	ESPECTRO	3.72E-01	2.75E-02	5.51E-04								
2851	0.00	DEAD	-1.65E+00	1.46E-02	2.65E-03	2851							
	0.49	DEAD	-1.65E+00	1.82E-02	-6.01E-04		COMB1	-4.1657	-4.1657	0.0406	0.0456	0.0069	-0.0016
	0.00	COBERT	-6.30E-01	6.90E-03	1.11E-03		COMB2	-7.6050	-7.6050	0.0789	0.0832	0.0131	-0.0030
	0.49	COBERT	-6.30E-01	6.90E-03	-2.50E-04		COMB3	-9.5669	-9.5669	0.1004	0.1047	0.0165	-0.0038
	0.00	CORREAS	-6.98E-01	7.48E-03	1.19E-03		COMB4	-0.0958	-0.0958	-0.0032	0.0011	-0.0002	0.0000
	0.49	CORREAS	-6.98E-01	7.48E-03	-2.92E-04		COMB5	-6.4848	-6.4848	0.0667	0.0710	0.0111	-0.0025
	0.00	VIVA	-2.52E+00	2.76E-02	4.46E-03		COMB6	-0.6564	-0.6564	0.0029	0.0072	0.0008	-0.0002
	0.49	VIVA	-2.52E+00	2.76E-02	-1.00E-03		COMB7	-7.4135	-8.3062	0.0779	0.0909	0.0128	-0.0033
	0.00	VIENTO	-3.64E+00	3.99E-02	6.44E-03		COMB8	2.0576	2.0576	-0.0257	-0.0225	-0.0039	0.0009
	0.49	VIENTO	-3.64E+00	3.99E-02	-1.45E-03		COMB9	-4.5513	-4.5513	0.0502	0.0545	0.0084	-0.0018
	0.00	ESPECTRO	2.80E-01	1.62E-03	2.50E-04		COMB10	-2.3979	-2.3979	0.0277	0.0309	0.0047	-0.0010
	0.49	ESPECTRO	2.80E-01	1.62E-03	7.28E-05								
2852	0.00	DEAD	-1.61E+00	-5.64E-03	-2.94E-04	2852							
	0.49	DEAD	-1.61E+00	-2.05E-03	4.68E-04		COMB1	-4.0383	-4.0383	-0.0117	-0.0067	-0.0007	0.0012
	0.00	COBERT	-5.99E-01	-1.53E-03	-1.04E-04		COMB2	-7.2946	-7.2946	-0.0199	-0.0156	-0.0012	0.0023
	0.49	COBERT	-5.99E-01	-1.53E-03	2.00E-04		COMB3	-9.1586	-9.1586	-0.0247	-0.0203	-0.0015	0.0029
	0.00	CORREAS	-6.77E-01	-1.21E-03	-6.93E-05		COMB4	-0.1600	-0.1600	-0.0016	0.0027	0.0000	-0.0001
	0.49	CORREAS	-6.77E-01	-1.21E-03	1.71E-04		COMB5	-6.2302	-6.2302	-0.0172	-0.0129	-0.0010	0.0019
	0.00	VIVA	-2.40E+00	-6.13E-03	-4.15E-04		COMB6	-0.6926	-0.6926	-0.0030	0.0013	-0.0001	0.0001
	0.49	VIVA	-2.40E+00	-6.13E-03	7.99E-04		COMB7	-7.0954	-7.9607	-0.0191	-0.0173	-0.0012	0.0025
	0.00	VIENTO	-3.46E+00	-8.86E-03	-6.00E-04		COMB8	1.9033	1.9033	0.0040	0.0072	0.0004	-0.0007
	0.49	VIENTO	-3.46E+00	-8.86E-03	1.15E-03		COMB9	-4.3960	-4.3960	-0.0128	-0.0085	-0.0007	0.0014
	0.00	ESPECTRO	2.63E-01	3.61E-04	6.49E-05		COMB10	-2.3327	-2.3327	-0.0072	-0.0040	-0.0004	0.0008
	0.49	ESPECTRO	2.63E-01	3.61E-04	1.09E-05								
2853	0.00	DEAD	-1.58E+00	-2.99E-03	9.83E-05	2853							
	0.50	DEAD	-1.58E+00	5.96E-04	3.35E-04		COMB1	-3.9482	-3.9482	-0.0053	-0.0003	0.0003	0.0009
	0.00	COBERT	-5.79E-01	-5.93E-04	4.43E-05		COMB2	-7.0880	-7.0880	-0.0084	-0.0041	0.0006	0.0018
	0.50	COBERT	-5.79E-01	-5.93E-04	1.62E-04		COMB3	-8.8891	-8.8891	-0.0102	-0.0059	0.0007	0.0023
	0.00	CORREAS	-6.64E-01	-2.23E-04	8.23E-05		COMB4	-0.1942	-0.1942	-0.0013	0.0030	0.0000	-0.0001
	0.50	CORREAS	-6.64E-01	-2.23E-04	1.26E-04		COMB5	-6.0596	-6.0596	-0.0073	-0.0030	0.0005	0.0015
	0.00	VIVA	-2.31E+00	-2.37E-03	1.77E-04		COMB6	-0.7088	-0.7088	-0.0018	0.0025	0.0001	0.0000
	0.50	VIVA	-2.31E+00	-2.37E-03	6.47E-04		COMB7	-6.8856	-7.7317	-0.0079	-0.0047	0.0005	0.0020
	0.00	VIENTO	-3.34E+00	-3.43E-03	2.56E-04		COMB8	1.8093	1.8093	0.0010	0.0043	-0.0001	-0.0007
	0.50	VIENTO	-3.34E+00	-3.43E-03	9.35E-04		COMB9	-4.2889	-4.2889	-0.0053	-0.0010	0.0004	0.0011
	0.00	ESPECTRO	2.53E-01	4.62E-04	7.64E-05		COMB10	-2.2854	-2.2854	-0.0030	0.0003	0.0003	0.0006
	0.50	ESPECTRO	2.53E-01	4.62E-04	1.54E-05								
	0.00	DEAD	-1.60E+00	-3.03E-03	1.14E-04								
	0.50	DEAD	-1.60E+00	5.59E-04	3.58E-04		COMB1	-3.9906	-3.9906	-0.0056	-0.0006	0.0003	0.0010
	0.00	COBERT	-5.84E-01	-6.24E-04	5.23E-05		COMB2	-7.1602	-7.1602	-0.0088	-0.0045	0.0006	0.0019

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO VIGA (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames

ELE.	Stat.	OutputCase	P	V2	M3	ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
Text	m	Text	Ton	Ton	Ton-m								
2854	0.50	COBERT	-5.84E-01	-6.24E-04	1.76E-04	2854	COMB3	-8.9788	-8.9788	-0.0107	-0.0064	0.0008	0.0025
	0.00	CORREAS	-6.71E-01	-3.58E-04	7.79E-05		COMB4	-0.1996	-0.1996	-0.0014	0.0029	0.0000	-0.0002
	0.50	CORREAS	-6.71E-01	-3.58E-04	1.49E-04		COMB5	-6.1218	-6.1218	-0.0077	-0.0034	0.0005	0.0016
	0.00	VIVA	-2.34E+00	-2.50E-03	2.09E-04		COMB6	-0.7192	-0.7192	-0.0019	0.0024	0.0001	0.0000
	0.50	VIVA	-2.34E+00	-2.50E-03	7.03E-04		COMB7	-6.9550	-7.8102	-0.0083	-0.0052	0.0006	0.0021
	0.00	VIENTO	-3.38E+00	-3.61E-03	3.02E-04		COMB8	1.8242	1.8242	0.0011	0.0043	-0.0002	-0.0007
	0.50	VIENTO	-3.38E+00	-3.61E-03	1.02E-03		COMB9	-4.3372	-4.3372	-0.0056	-0.0013	0.0005	0.0012
	0.00	ESPECTRO	2.52E-01	4.95E-04	7.79E-05		COMB10	-2.3134	-2.3134	-0.0031	0.0001	0.0003	0.0006
	0.50	ESPECTRO	2.52E-01	4.95E-04	2.08E-05								
2855	0.00	DEAD	-1.68E+00	-2.34E-03	1.98E-04	2855							
	0.49	DEAD	-1.68E+00	1.25E-03	3.05E-04		COMB1	-4.2181	-4.2181	-0.0042	0.0009	0.0005	0.0009
	0.00	COBERT	-6.22E-01	-4.60E-04	7.66E-05		COMB2	-7.5960	-7.5960	-0.0065	-0.0022	0.0009	0.0018
	0.49	COBERT	-6.22E-01	-4.60E-04	1.68E-04		COMB3	-9.5316	-9.5316	-0.0079	-0.0036	0.0012	0.0023
	0.00	CORREAS	-7.08E-01	-1.79E-04	1.03E-04		COMB4	-0.1872	-0.1872	-0.0010	0.0033	0.0000	-0.0002
	0.49	CORREAS	-7.08E-01	-1.79E-04	1.39E-04		COMB5	-6.4907	-6.4907	-0.0057	-0.0014	0.0008	0.0015
	0.00	VIVA	-2.49E+00	-1.84E-03	3.06E-04		COMB6	-0.7403	-0.7403	-0.0014	0.0029	0.0001	0.0000
	0.49	VIVA	-2.49E+00	-1.84E-03	6.71E-04		COMB7	-7.3839	-8.2877	-0.0061	-0.0027	0.0009	0.0020
	0.00	VIENTO	-3.59E+00	-2.66E-03	4.43E-04		COMB8	1.9606	1.9606	0.0008	0.0040	-0.0002	-0.0007
	0.49	VIENTO	-3.59E+00	-2.66E-03	9.69E-04		COMB9	-4.5981	-4.5981	-0.0040	0.0003	0.0007	0.0011
	0.00	ESPECTRO	2.61E-01	5.14E-04	7.99E-05		COMB10	-2.4503	-2.4503	-0.0022	0.0011	0.0004	0.0006
	0.49	ESPECTRO	2.61E-01	5.14E-04	2.21E-05								
2856	0.00	DEAD	-1.82E+00	-4.90E-03	1.22E-04	2856							
	0.49	DEAD	-1.82E+00	-1.31E-03	7.36E-04		COMB1	-4.5817	-4.5817	-0.0114	-0.0064	0.0003	0.0021
	0.00	COBERT	-6.84E-01	-1.76E-03	3.38E-05		COMB2	-8.3034	-8.3034	-0.0210	-0.0167	0.0005	0.0042
	0.49	COBERT	-6.84E-01	-1.76E-03	3.81E-04		COMB3	-10.4315	-10.4315	-0.0265	-0.0222	0.0006	0.0054
	0.00	CORREAS	-7.70E-01	-1.48E-03	5.76E-05		COMB4	-0.1580	-0.1580	-0.0001	0.0042	0.0001	-0.0003
	0.49	CORREAS	-7.70E-01	-1.48E-03	3.51E-04		COMB5	-7.0883	-7.0883	-0.0179	-0.0136	0.0004	0.0035
	0.00	VIVA	-2.74E+00	-7.02E-03	1.35E-04		COMB6	-0.7661	-0.7661	-0.0016	0.0027	0.0001	0.0000
	0.49	VIVA	-2.74E+00	-7.02E-03	1.52E-03		COMB7	-8.0821	-9.0639	-0.0205	-0.0186	0.0004	0.0046
	0.00	VIENTO	-3.95E+00	-1.01E-02	1.95E-04		COMB8	2.1914	2.1914	0.0059	0.0091	-0.0001	-0.0015
	0.49	VIENTO	-3.95E+00	-1.01E-02	2.20E-03		COMB9	-5.0190	-5.0190	-0.0124	-0.0081	0.0004	0.0026
	0.00	ESPECTRO	2.76E-01	8.70E-04	9.68E-05		COMB10	-2.6696	-2.6696	-0.0064	-0.0032	0.0003	0.0014
	0.49	ESPECTRO	2.76E-01	8.70E-04	8.44E-05								
2857	0.00	DEAD	-2.13E+00	1.93E-02	1.35E-03	2857							
	0.50	DEAD	-2.13E+00	2.40E-02	-2.94E-03		COMB1	-5.3965	-5.3965	0.0534	0.0600	0.0036	-0.0077
	0.00	COBERT	-8.19E-01	9.29E-03	5.89E-04		COMB2	-9.8677	-9.8677	0.1052	0.1109	0.0068	-0.0146
	0.50	COBERT	-8.19E-01	9.29E-03	-1.25E-03		COMB3	-12.4169	-12.4169	0.1341	0.1398	0.0087	-0.0184
	0.00	CORREAS	-9.10E-01	9.55E-03	6.07E-04		COMB4	-0.1106	-0.1106	-0.0054	0.0002	-0.0002	0.0003
	0.50	CORREAS	-9.10E-01	9.55E-03	-1.28E-03		COMB5	-8.4121	-8.4121	0.0887	0.0944	0.0058	-0.0123
	0.00	VIVA	-3.28E+00	3.71E-02	2.36E-03		COMB6	-0.8390	-0.8390	0.0028	0.0085	0.0003	-0.0008
	0.50	VIVA	-3.28E+00	3.71E-02	-5.00E-03		COMB7	-9.6223	-10.7787	0.1041	0.1212	0.0067	-0.0160
	0.00	VIENTO	-4.73E+00	5.37E-02	3.40E-03		COMB8	2.6840	2.6840	-0.0354	-0.0312	-0.0021	0.0045
	0.50	VIENTO	-4.73E+00	5.37E-02	-7.22E-03		COMB9	-5.9497	-5.9497	0.0672	0.0729	0.0044	-0.0086
	0.00	ESPECTRO	3.14E-01	2.86E-03	1.42E-04		COMB10	-3.1552	-3.1552	0.0372	0.0414	0.0024	-0.0045
	0.50	ESPECTRO	3.14E-01	2.86E-03	4.39E-04								
2858	0.00	DEAD	-2.47E+00	-3.96E-01	-6.48E-03	2858							
	0.29	DEAD	-2.47E+00	-3.90E-01	3.99E-02		COMB1	-6.3403	-6.3403	-1.0496	-1.0408	-0.0173	0.1060
	0.00	COBERT	-9.83E-01	-1.78E-01	-2.94E-03		COMB2	-11.7265	-11.7265	-2.0358	-2.0283	-0.0336	0.2061
	0.29	COBERT	-9.83E-01	-1.78E-01	1.80E-02		COMB3	-14.7862	-14.7862	-2.5883	-2.5808	-0.0428	0.2622
	0.00	CORREAS	-1.08E+00	-1.76E-01	-2.92E-03		COMB4	-0.0154	-0.0154	0.0789	0.0864	0.0014	-0.0084
	0.29	CORREAS	-1.08E+00	-1.76E-01	1.78E-02		COMB5	-9.9794	-9.9794	-1.7204	-1.7128	-0.0284	0.1741
	0.00	VIVA	-3.93E+00	-7.10E-01	-1.18E-02		COMB6	-0.8897	-0.8897	-0.0790	-0.0714	-0.0012	0.0076
	0.29	VIVA	-3.93E+00	-7.10E-01	7.20E-02		COMB7	-11.4613	-12.8200	-2.0084	-2.2257	-0.0332	0.2261
	0.00	VIENTO	-5.68E+00	-1.03E+00	-1.70E-02		COMB8	3.3095	3.3095	0.6588	0.6645	0.0110	-0.0671
	0.29	VIENTO	-5.68E+00	-1.03E+00	1.04E-01		COMB9	-7.0491	-7.0491	-1.2023	-1.1947	-0.0197	0.1321
	0.00	ESPECTRO	3.52E-01	5.24E-02	9.83E-04		COMB10	-3.7242	-3.7242	-0.6223	-0.6167	-0.0101	0.0734
	0.29	ESPECTRO	3.52E-01	5.24E-02	5.20E-03								
2859	0.00	DEAD	-2.31E+00	4.09E-01	2.44E-02	2859							
	0.20	DEAD	-2.31E+00	4.12E-01	-8.46E-03		COMB1	-5.9222	-5.9222	1.0913	1.0962	0.0649	-0.0226
	0.00	COBERT	-9.12E-01	1.79E-01	1.09E-02		COMB2	-10.9104	-10.9104	2.0812	2.0854	0.1257	-0.0410
	0.20	COBERT	-9.12E-01	1.79E-01	-3.38E-03		COMB3	-13.7476	-13.7476	2.6384	2.6426	0.1597	-0.0515
	0.00	CORREAS	-1.01E+00	1.92E-01	1.11E-02		COMB4	-0.0512	-0.0512	-0.0514	-0.0472	-0.0047	-0.0007
	0.20	CORREAS	-1.01E+00	1.92E-01	-4.28E-03		COMB5	-9.2905	-9.2905	1.7631	1.7673	0.1062	-0.0349
	0.00	VIVA	-3.65E+00	7.16E-01	4.38E-02		COMB6	-0.8619	-0.8619	0.1078	0.1120	0.0051	-0.0037
	0.20	VIVA	-3.65E+00	7.16E-01	-1.35E-02		COMB7	-10.6553	-11.9244	2.0465	2.2846	0.1239	-0.0447
	0.00	VIENTO	-5.27E+00	1.03E+00	6.32E-02		COMB8	3.0411	3.0411	-0.6434	-0.6402	-0.0405	0.0109
	0.20	VIENTO	-5.27E+00	1.03E+00	-1.95E-02		COMB9	-6.5496	-6.5496	1.3626	1.3669	0.0812	-0.0242
	0.00	ESPECTRO	3.50E-01	6.92E-02	3.69E-03		COMB10	-3.4573	-3.4573	0.7707	0.7739	0.0454	-0.0127
	0.20	ESPECTRO	3.50E-01	6.92E-02	1.85E-03								
2860	0.00	DEAD	-2.18E+00	4.47E-01	4.56E-03	2860							
	0.20	DEAD	-2.18E+00	4.51E-01	-3.14E-02		COMB1	-5.6481	-5.6481	1.1248	1.1308	0.0113	-0.0789
	0.00	COBERT	-8.86E-01	1.94E-01	2.31E-03		COMB2	-10.5114	-10.5114	2.2044	2.2095	0.0245	-0.1521
	0.20	COBERT	-8.86E-01	1.94E-01	-1.32E-02		COMB3	-13.2687	-13.2687	2.8075	2.8127	0.0316	-0.1931
	0.00	CORREAS	-9.68E-01	1.62E-01	1.21E-03		COMB4	0.0425	0.0425	-0.1041	-0.0989	-0.0030	0.0051
	0.20	CORREAS	-9.68E-01	1.62E-01	-1.18E-02		COMB5	-8.9369	-8.9369	1.8600	1.8652	0.0204	-0.1286
	0.00	VIVA	-3.54E+00	7.75E-01	9.23E-03		COMB6	-0.7454	-0.7454	0.0683	0.0734	-0.0010	-0.0066

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO VIGA (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames

ELE.	Stat.	OutputCase	P	V2	M3
Text	m	Text	Ton	Ton	Ton-m
	0.20	VIVA	-3.54E+00	7.75E-01	-5.28E-02
	0.00	VIENTO	-5.12E+00	1.12E+00	1.33E-02
	0.20	VIENTO	-5.12E+00	1.12E+00	-7.62E-02
	0.00	ESPECTRO	3.58E-01	6.53E-02	1.05E-03
	0.20	ESPECTRO	3.58E-01	6.53E-02	4.21E-03
	0.00	DEAD	-2.05E+00	-4.42E-01	-4.29E-02
	0.30	DEAD	-2.05E+00	-4.33E-01	8.70E-03
	0.00	COBERT	-8.33E-01	-1.82E-01	-1.78E-02
	0.30	COBERT	-8.33E-01	-1.82E-01	3.60E-03
	0.00	CORREAS	-9.20E-01	-1.67E-01	-1.64E-02
2861	0.30	CORREAS	-9.20E-01	-1.67E-01	3.30E-03
	0.00	VIVA	-3.33E+00	-7.26E-01	-7.13E-02
	0.30	VIVA	-3.33E+00	-7.26E-01	1.44E-02
	0.00	VIENTO	-4.82E+00	-1.05E+00	-1.03E-01
	0.30	VIENTO	-4.82E+00	-1.05E+00	2.08E-02
	0.00	ESPECTRO	3.75E-01	5.87E-02	5.92E-03
	0.30	ESPECTRO	3.75E-01	5.87E-02	1.00E-03
	0.00	DEAD	-1.73E+00	2.87E-02	5.16E-03
	0.49	DEAD	-1.73E+00	3.32E-02	-9.79E-04
	0.00	COBERT	-6.97E-01	1.37E-02	2.26E-03
	0.49	COBERT	-6.97E-01	1.37E-02	-4.55E-04
	0.00	CORREAS	-7.62E-01	1.30E-02	2.12E-03
2862	0.49	CORREAS	-7.62E-01	1.30E-02	-4.43E-04
	0.00	VIVA	-2.79E+00	5.49E-02	9.04E-03
	0.49	VIVA	-2.79E+00	5.49E-02	-1.82E-03
	0.00	VIENTO	-4.03E+00	7.93E-02	1.31E-02
	0.49	VIENTO	-4.03E+00	7.93E-02	-2.63E-03
	0.00	ESPECTRO	3.31E-01	3.43E-03	5.32E-04
	0.49	ESPECTRO	3.31E-01	3.43E-03	1.47E-04
	0.00	DEAD	-1.67E+00	-3.82E-03	-1.44E-04
	0.50	DEAD	-1.67E+00	-2.37E-04	2.57E-04
	0.00	COBERT	-6.74E-01	-4.19E-04	7.38E-06
	0.50	COBERT	-6.74E-01	-4.19E-04	9.03E-05
	0.00	CORREAS	-7.19E-01	-1.58E-04	3.24E-05
2863	0.50	CORREAS	-7.19E-01	-1.58E-04	6.36E-05
	0.00	VIVA	-2.70E+00	-1.68E-03	2.95E-05
	0.50	VIVA	-2.70E+00	-1.68E-03	3.61E-04
	0.00	VIENTO	-3.90E+00	-2.42E-03	4.26E-05
	0.50	VIENTO	-3.90E+00	-2.42E-03	5.22E-04
	0.00	ESPECTRO	2.87E-01	8.27E-04	1.21E-04
	0.50	ESPECTRO	2.87E-01	8.27E-04	4.30E-05
	0.00	DEAD	-1.66E+00	-6.49E-04	3.32E-04
	0.49	DEAD	-1.66E+00	2.94E-03	1.05E-04
	0.00	COBERT	-6.77E-01	8.55E-04	2.01E-04
	0.49	COBERT	-6.77E-01	8.55E-04	3.23E-05
	0.00	CORREAS	-7.10E-01	9.72E-04	2.07E-04
2864	0.49	CORREAS	-7.10E-01	9.72E-04	1.48E-05
	0.00	VIVA	-2.71E+00	3.42E-03	8.06E-04
	0.49	VIVA	-2.71E+00	3.42E-03	1.29E-04
	0.00	VIENTO	-3.91E+00	4.94E-03	1.16E-03
	0.49	VIENTO	-3.91E+00	4.94E-03	1.86E-04
	0.00	ESPECTRO	2.67E-01	5.34E-04	7.95E-05
	0.49	ESPECTRO	2.67E-01	5.34E-04	2.62E-05
	0.00	DEAD	-1.65E+00	1.65E-03	4.28E-04
	0.50	DEAD	-1.65E+00	5.23E-03	-2.53E-04
	0.00	COBERT	-6.78E-01	1.48E-03	2.19E-04
	0.50	COBERT	-6.78E-01	1.48E-03	-7.40E-05
	0.00	CORREAS	-7.04E-01	1.78E-03	2.33E-04
2865	0.50	CORREAS	-7.04E-01	1.78E-03	-1.20E-04
	0.00	VIVA	-2.71E+00	5.92E-03	8.75E-04
	0.50	VIVA	-2.71E+00	5.92E-03	-2.96E-04
	0.00	VIENTO	-3.92E+00	8.55E-03	1.26E-03
	0.50	VIENTO	-3.92E+00	8.55E-03	-4.28E-04
	0.00	ESPECTRO	2.54E-01	1.14E-03	1.09E-04
	0.50	ESPECTRO	2.54E-01	1.14E-03	1.16E-04
	0.00	DEAD	-1.64E+00	-4.17E-03	-1.46E-04
	0.50	DEAD	-1.64E+00	-5.89E-04	3.26E-04
	0.00	COBERT	-6.76E-01	-1.13E-03	-3.89E-05
	0.50	COBERT	-6.76E-01	-1.13E-03	1.86E-04
	0.00	CORREAS	-7.00E-01	-1.32E-03	-7.30E-05
2866	0.50	CORREAS	-7.00E-01	-1.32E-03	1.88E-04
	0.00	VIVA	-2.70E+00	-4.54E-03	-1.55E-04
	0.50	VIVA	-2.70E+00	-4.54E-03	7.43E-04
	0.00	VIENTO	-3.91E+00	-6.56E-03	-2.25E-04
	0.50	VIENTO	-3.91E+00	-6.56E-03	1.07E-03
	0.00	ESPECTRO	2.45E-01	3.26E-04	3.69E-05

ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
	COMB7	-10.2865	-11.4968	2.1789	2.4251	0.0246	-0.1667
	COMB8	3.0247	3.0247	-0.7327	-0.7288	-0.0101	0.0484
	COMB9	-6.2551	-6.2551	1.4170	1.4221	0.0154	-0.0898
	COMB10	-3.2729	-3.2729	0.7884	0.7922	0.0083	-0.0465
	COMB1	-5.3292	-5.3292	-1.1063	-1.0948	-0.1080	0.0218
	COMB2	-9.9007	-9.9007	-2.1101	-2.1002	-0.2066	0.0417
	COMB3	-12.4940	-12.4940	-2.6751	-2.6652	-0.2621	0.0529
	COMB4	0.0252	0.0252	0.0524	0.0623	0.0057	-0.0011
2861	COMB5	-8.4199	-8.4199	-1.7875	-1.7776	-0.1750	0.0353
	COMB6	-0.7158	-0.7158	-0.1090	-0.0991	-0.0102	0.0021
	COMB7	-9.6855	-10.8275	-2.0749	-2.3021	-0.2033	0.0457
	COMB8	2.8337	2.8337	0.6526	0.6600	0.0644	-0.0130
	COMB9	-5.8596	-5.8596	-1.2526	-1.2428	-0.1223	0.0269
	COMB10	-3.0511	-3.0511	-0.6525	-0.6451	-0.0635	0.0150
	COMB1	-4.4613	-4.4613	0.0776	0.0839	0.0134	-0.0026
	COMB2	-8.2836	-8.2836	0.1543	0.1597	0.0259	-0.0052
	COMB3	-10.4523	-10.4523	0.1970	0.2024	0.0330	-0.0066
	COMB4	0.0171	0.0171	-0.0091	-0.0037	-0.0010	0.0003
2862	COMB5	-7.0453	-7.0453	0.1299	0.1353	0.0219	-0.0044
	COMB6	-0.6026	-0.6026	0.0031	0.0085	0.0010	-0.0002
	COMB7	-8.1027	-9.0587	0.1529	0.1750	0.0256	-0.0057
	COMB8	2.3668	2.3668	-0.0532	-0.0491	-0.0084	0.0017
	COMB9	-4.8866	-4.8866	0.0974	0.1028	0.0165	-0.0030
	COMB10	-2.5370	-2.5370	0.0533	0.0574	0.0091	-0.0015
	COMB1	-4.2816	-4.2816	-0.0062	-0.0011	-0.0001	0.0006
	COMB2	-7.9865	-7.9865	-0.0080	-0.0037	-0.0001	0.0011
	COMB3	-10.0856	-10.0856	-0.0093	-0.0050	-0.0001	0.0014
	COMB4	0.0479	0.0479	-0.0030	0.0013	-0.0002	0.0000
2863	COMB5	-6.7879	-6.7879	-0.0072	-0.0029	-0.0001	0.0009
	COMB6	-0.5520	-0.5520	-0.0033	0.0010	-0.0002	0.0001
	COMB7	-7.8192	-8.7367	-0.0071	-0.0041	0.0000	0.0012
	COMB8	2.3143	2.3143	-0.0008	0.0024	-0.0001	-0.0003
	COMB9	-4.7318	-4.7318	-0.0053	-0.0010	0.0000	0.0007
	COMB10	-2.4654	-2.4654	-0.0031	0.0001	0.0000	0.0004
	COMB1	-4.2657	-4.2657	0.0016	0.0067	0.0010	0.0002
	COMB2	-7.9875	-7.9875	0.0069	0.0112	0.0022	0.0004
	COMB3	-10.0937	-10.0937	0.0095	0.0138	0.0028	0.0005
	COMB4	0.0741	0.0741	-0.0033	0.0010	-0.0002	0.0000
2864	COMB5	-6.7849	-6.7849	0.0054	0.0097	0.0018	0.0003
	COMB6	-0.5277	-0.5277	-0.0025	0.0018	0.0000	0.0000
	COMB7	-7.8262	-8.7402	0.0075	0.0121	0.0022	0.0004
	COMB8	2.3417	2.3417	-0.0054	-0.0021	-0.0008	-0.0001
	COMB9	-4.7426	-4.7426	0.0037	0.0080	0.0014	0.0003
	COMB10	-2.4750	-2.4750	0.0016	0.0048	0.0007	0.0002
	COMB1	-4.2492	-4.2492	0.0069	0.0119	0.0012	-0.0006
	COMB2	-7.9824	-7.9824	0.0154	0.0197	0.0025	-0.0010
	COMB3	-10.0931	-10.0931	0.0200	0.0243	0.0031	-0.0012
	COMB4	0.0961	0.0961	-0.0023	0.0020	-0.0002	-0.0001
2865	COMB5	-6.7773	-6.7773	0.0127	0.0170	0.0021	-0.0009
	COMB6	-0.5070	-0.5070	-0.0009	0.0034	0.0000	-0.0002
	COMB7	-7.8262	-8.7367	0.0155	0.0213	0.0024	-0.0011
	COMB8	2.3629	2.3629	-0.0067	-0.0035	-0.0009	0.0002
	COMB9	-4.7444	-4.7444	0.0100	0.0143	0.0016	-0.0006
	COMB10	-2.4775	-2.4775	0.0056	0.0088	0.0009	-0.0003
	COMB1	-4.2302	-4.2302	-0.0093	-0.0043	-0.0004	0.0010
	COMB2	-7.9537	-7.9537	-0.0152	-0.0109	-0.0006	0.0020
	COMB3	-10.0583	-10.0583	-0.0187	-0.0144	-0.0007	0.0026
	COMB4	0.1016	0.1016	-0.0017	0.0026	-0.0001	-0.0002
2866	COMB5	-6.7520	-6.7520	-0.0132	-0.0089	-0.0005	0.0017
	COMB6	-0.4997	-0.4997	-0.0027	0.0016	-0.0001	0.0000
	COMB7	-7.7993	-8.7058	-0.0145	-0.0122	-0.0005	0.0022
	COMB8	2.3606	2.3606	0.0026	0.0058	0.0001	-0.0008
	COMB9	-4.7329	-4.7329	-0.0099	-0.0056	-0.0003	0.0012
	COMB10	-2.4740	-2.4740	-0.0056	-0.0024	-0.0002	0.0007

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO VIGA (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames													
ELE.	Stat.	OutputCase	P	V2	M3	ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
Text	m	Text	Ton	Ton	Ton-m								
	0.50	ESPECTRO	2.45E-01	3.26E-04	2.78E-05								
	0.00	DEAD	-1.65E+00	-1.70E-03	2.06E-04								
	0.49	DEAD	-1.65E+00	1.88E-03	1.87E-04		COMB1	-4.2497	-4.2497	-0.0036	0.0015	0.0005	0.0007
	0.00	COBERT	-6.77E-01	-4.19E-04	6.69E-05		COMB2	-7.9774	-7.9774	-0.0057	-0.0014	0.0008	0.0015
	0.49	COBERT	-6.77E-01	-4.19E-04	1.50E-04		COMB3	-10.0854	-10.0854	-0.0070	-0.0027	0.0010	0.0020
	0.00	CORREAS	-7.05E-01	-4.26E-04	5.87E-05		COMB4	0.0910	0.0910	-0.0007	0.0036	0.0000	-0.0002
2867	0.49	CORREAS	-7.05E-01	-4.26E-04	1.43E-04	2867	COMB5	-6.7738	-6.7738	-0.0050	-0.0007	0.0007	0.0013
	0.00	VIVA	-2.71E+00	-1.68E-03	2.68E-04		COMB6	-0.5114	-0.5114	-0.0011	0.0032	0.0001	-0.0001
	0.49	VIVA	-2.71E+00	-1.68E-03	6.00E-04		COMB7	-7.8202	-8.7308	-0.0054	-0.0019	0.0008	0.0017
	0.00	VIENTO	-3.91E+00	-2.42E-03	3.86E-04		COMB8	2.3562	2.3562	0.0009	0.0041	-0.0002	-0.0007
	0.49	VIENTO	-3.91E+00	-2.42E-03	8.66E-04		COMB9	-4.7490	-4.7490	-0.0037	0.0006	0.0006	0.0009
	0.00	ESPECTRO	2.48E-01	1.60E-04	3.65E-05		COMB10	-2.4838	-2.4838	-0.0021	0.0011	0.0003	0.0004
	0.49	ESPECTRO	2.48E-01	1.60E-04	5.94E-06								
	0.00	DEAD	-1.66E+00	-1.27E-03	2.14E-04								
	0.49	DEAD	-1.66E+00	2.31E-03	1.11E-04		COMB1	-4.2683	-4.2683	-0.0030	0.0020	0.0004	0.0006
	0.00	COBERT	-6.79E-01	-3.67E-04	6.15E-05		COMB2	-8.0025	-8.0025	-0.0050	-0.0007	0.0008	0.0013
	0.49	COBERT	-6.79E-01	-3.67E-04	1.34E-04		COMB3	-10.1150	-10.1150	-0.0061	-0.0018	0.0010	0.0017
	0.00	CORREAS	-7.12E-01	-5.36E-04	4.27E-05		COMB4	0.0830	0.0830	-0.0006	0.0037	0.0000	-0.0003
2868	0.49	CORREAS	-7.12E-01	-5.36E-04	1.49E-04	2868	COMB5	-6.7963	-6.7963	-0.0043	0.0000	0.0007	0.0011
	0.00	VIVA	-2.72E+00	-1.47E-03	2.46E-04		COMB6	-0.5207	-0.5207	-0.0009	0.0034	0.0001	-0.0001
	0.49	VIVA	-2.72E+00	-1.47E-03	5.37E-04		COMB7	-7.8428	-8.7575	-0.0047	-0.0011	0.0007	0.0015
	0.00	VIENTO	-3.92E+00	-2.12E-03	3.55E-04		COMB8	2.3551	2.3551	0.0008	0.0040	-0.0002	-0.0007
	0.49	VIENTO	-3.92E+00	-2.12E-03	7.75E-04		COMB9	-4.7648	-4.7648	-0.0026	0.0017	0.0006	0.0008
	0.00	ESPECTRO	2.51E-01	7.15E-04	5.92E-05		COMB10	-2.4927	-2.4927	-0.0012	0.0020	0.0003	0.0004
	0.49	ESPECTRO	2.51E-01	7.15E-04	8.34E-05								
	0.00	DEAD	-1.65E+00	-3.50E-03	1.12E-04								
	0.50	DEAD	-1.65E+00	8.24E-05	4.50E-04		COMB1	-4.2801	-4.2801	-0.0075	-0.0025	0.0002	0.0012
	0.00	COBERT	-6.80E-01	-1.31E-03	1.35E-05		COMB2	-8.0225	-8.0225	-0.0148	-0.0105	0.0003	0.0028
	0.50	COBERT	-6.80E-01	-1.31E-03	2.72E-04		COMB3	-10.1398	-10.1398	-0.0189	-0.0146	0.0003	0.0036
	0.00	CORREAS	-7.23E-01	-5.77E-04	4.10E-05		COMB4	0.0813	0.0813	0.0007	0.0050	0.0001	-0.0004
2869	0.50	CORREAS	-7.23E-01	-5.77E-04	1.55E-04	2869	COMB5	-6.8136	-6.8136	-0.0125	-0.0082	0.0003	0.0023
	0.00	VIVA	-2.72E+00	-5.23E-03	5.39E-05		COMB6	-0.5237	-0.5237	-0.0004	0.0039	0.0001	-0.0002
	0.50	VIVA	-2.72E+00	-5.23E-03	1.09E-03		COMB7	-7.8620	-8.7792	-0.0147	-0.0120	0.0003	0.0031
	0.00	VIENTO	-3.93E+00	-7.56E-03	7.78E-05		COMB8	2.3590	2.3590	0.0050	0.0082	0.0000	-0.0013
	0.50	VIENTO	-3.93E+00	-7.56E-03	1.57E-03		COMB9	-4.7759	-4.7759	-0.0056	-0.0013	0.0004	0.0021
	0.00	ESPECTRO	2.53E-01	3.50E-03	1.59E-04		COMB10	-2.4982	-2.4982	-0.0013	0.0019	0.0003	0.0013
	0.50	ESPECTRO	2.53E-01	3.50E-03	5.35E-04								
	0.00	DEAD	-1.67E+00	1.59E-02	1.02E-03								
	0.29	DEAD	-1.67E+00	1.80E-02	-9.80E-04		COMB1	-4.3533	-4.3533	0.0286	0.0316	0.0020	-0.0015
	0.00	COBERT	-6.94E-01	5.90E-03	3.58E-04		COMB2	-8.1743	-8.1743	0.0622	0.0648	0.0040	-0.0035
	0.29	COBERT	-6.94E-01	5.90E-03	-3.38E-04		COMB3	-10.3349	-10.3349	0.0806	0.0831	0.0051	-0.0045
	0.00	CORREAS	-7.46E-01	-1.36E-03	5.97E-05		COMB4	0.0952	0.0952	-0.0080	-0.0054	-0.0002	0.0005
2870	0.29	CORREAS	-7.46E-01	-1.36E-03	2.20E-04	2870	COMB5	-6.9407	-6.9407	0.0517	0.0543	0.0034	-0.0029
	0.00	VIVA	-2.78E+00	2.36E-02	1.43E-03		COMB6	-0.5222	-0.5222	-0.0028	-0.0002	0.0001	0.0002
	0.29	VIVA	-2.78E+00	2.36E-02	-1.35E-03		COMB7	-8.0136	-8.9465	0.0627	0.0713	0.0040	-0.0039
	0.00	VIENTO	-4.01E+00	3.41E-02	2.07E-03		COMB8	2.4165	2.4165	-0.0259	-0.0240	-0.0014	0.0016
	0.29	VIENTO	-4.01E+00	3.41E-02	-1.95E-03		COMB9	-4.8465	-4.8465	0.0696	0.0721	0.0038	0.0006
	0.00	ESPECTRO	2.73E-01	3.33E-02	1.34E-03		COMB10	-2.5253	-2.5253	0.0517	0.0536	0.0026	0.0016
	0.29	ESPECTRO	2.73E-01	3.33E-02	2.59E-03								
	0.00	DEAD	-1.64E+00	-6.84E-02	-2.95E-03								
	0.20	DEAD	-1.64E+00	-6.66E-02	2.46E-03		COMB1	-4.2755	-4.2755	-0.1382	-0.1357	-0.0063	0.0047
	0.00	COBERT	-6.82E-01	-2.53E-02	-1.10E-03		COMB2	-8.0278	-8.0278	-0.2807	-0.2785	-0.0125	0.0099
	0.20	COBERT	-6.82E-01	-2.53E-02	9.24E-04		COMB3	-10.1495	-10.1495	-0.3595	-0.3574	-0.0159	0.0128
	0.00	CORREAS	-7.34E-01	-4.94E-03	-4.51E-04		COMB4	0.0931	0.0931	0.0212	0.0234	0.0007	-0.0011
2871	0.20	CORREAS	-7.34E-01	-4.94E-03	-5.56E-05	2871	COMB5	-6.8163	-6.8163	-0.2356	-0.2334	-0.0105	0.0083
	0.00	VIVA	-2.73E+00	-1.01E-01	-4.41E-03		COMB6	-0.5132	-0.5132	-0.0013	0.0009	-0.0003	-0.0003
	0.20	VIVA	-2.73E+00	-1.01E-01	3.70E-03		COMB7	-7.8699	-8.7861	-0.2792	-0.3067	-0.0123	0.0109
	0.00	VIENTO	-3.94E+00	-1.46E-01	-6.37E-03		COMB8	2.3727	2.3727	0.1015	0.1032	0.0042	-0.0039
	0.20	VIENTO	-3.94E+00	-1.46E-01	5.34E-03		COMB9	-4.7552	-4.7552	-0.1213	-0.1191	-0.0055	0.0075
	0.00	ESPECTRO	2.73E-01	4.79E-02	2.15E-03		COMB10	-2.4756	-2.4756	-0.0410	-0.0393	-0.0019	0.0047
	0.20	ESPECTRO	2.73E-01	4.79E-02	1.69E-03								
	0.00	DEAD	-1.64E+00	3.60E-02	1.83E-03								
	0.20	DEAD	-1.64E+00	3.74E-02	-1.11E-03		COMB1	-4.2011	-4.2011	0.0339	0.0359	0.0023	-0.0004
	0.00	COBERT	-6.49E-01	4.07E-03	3.77E-04		COMB2	-7.7538	-7.7538	0.0551	0.0568	0.0044	-0.0001
	0.20	COBERT	-6.49E-01	4.07E-03	5.09E-05		COMB3	-9.7732	-9.7732	0.0678	0.0695	0.0056	0.0001
	0.00	CORREAS	-7.15E-01	-1.59E-02	-5.30E-04		COMB4	-0.0242	-0.0242	0.0066	0.0083	-0.0001	-0.0007
2872	0.20	CORREAS	-7.15E-01	-1.59E-02	7.39E-04	2872	COMB5	-6.6007	-6.6007	0.0479	0.0496	0.0038	-0.0001
	0.00	VIVA	-2.60E+00	1.63E-02	1.51E-03		COMB6	-0.6013	-0.6013	0.0102	0.0119	0.0003	-0.0006
	0.20	VIVA	-2.60E+00	1.63E-02	2.03E-04		COMB7	-7.5752	-8.4755	0.0524	0.0614	0.0043	0.0000
	0.00	VIENTO	-3.75E+00	2.35E-02	2.18E-03		COMB8	2.1738	2.1738	-0.0088	-0.0075	-0.0013	-0.0007
	0.20	VIENTO	-3.75E+00	2.35E-02	2.94E-04		COMB9	-4.6255	-4.6255	0.0860	0.0878	0.0047	0.0017
	0.00	ESPECTRO	2.73E-01	4.89E-02	1.89E-03		COMB10	-2.4275	-2.4275	0.0706	0.0719	0.0034	0.0017
	0.20	ESPECTRO	2.73E-01	4.89E-02	2.02E-03								
	0.00	DEAD	-1.67E+00	-1.55E-03	2.06E-04								
	0.30	DEAD	-1.67E+00	5.90E-04	2.63E-04		COMB1	-4.2999	-4.2999	0.0345	0.0375	0.0034	-0.0009
	0.00	COBERT	-6.67E-01	1.05E-02	8.98E-04		COMB2	-7.9566	-7.9566	0.0970	0.0996	0.0086	-0.0030

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO VIGA (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames

ELE.	Stat.	OutputCase	P	V2	M3	ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
Text	m	Text	Ton	Ton	Ton-m								
2873	0.30	COBERT	-6.67E-01	1.05E-02	-3.44E-04	2873	COMB3	-10.0335	-10.0335	0.1298	0.1323	0.0114	-0.0040
	0.00	CORREAS	-7.31E-01	1.57E-02	1.29E-03		COMB4	-0.0071	-0.0071	-0.0284	-0.0259	-0.0021	0.0011
	0.30	CORREAS	-7.31E-01	1.57E-02	-5.61E-04		COMB5	-6.7707	-6.7707	0.0783	0.0808	0.0070	-0.0024
	0.00	VIVA	-2.67E+00	4.21E-02	3.59E-03		COMB6	-0.6006	-0.6006	-0.0191	-0.0165	-0.0013	0.0008
	0.30	VIVA	-2.67E+00	4.21E-02	-1.37E-03		COMB7	-7.7774	-8.6988	0.1013	0.1113	0.0089	-0.0034
	0.00	VIENTO	-3.86E+00	6.08E-02	5.19E-03		COMB8	2.2490	2.2490	-0.0569	-0.0550	-0.0046	0.0020
	0.30	VIENTO	-3.86E+00	6.08E-02	-1.99E-03		COMB9	-4.7258	-4.7258	0.0938	0.0964	0.0080	0.0003
	0.00	ESPECTRO	2.94E-01	4.32E-02	3.34E-03		COMB10	-2.4698	-2.4698	0.0654	0.0673	0.0055	0.0012
	0.30	ESPECTRO	2.94E-01	4.32E-02	1.76E-03								
2874	0.00	DEAD	-1.69E+00	-8.50E-04	2.67E-04	2874							
	0.49	DEAD	-1.69E+00	2.73E-03	8.07E-05		COMB1	-4.2738	-4.2738	-0.0028	0.0022	0.0003	0.0003
	0.00	COBERT	-6.46E-01	-1.21E-04	2.58E-05		COMB2	-7.7981	-7.7981	-0.0032	0.0011	0.0004	0.0006
	0.49	COBERT	-6.46E-01	-1.21E-04	4.97E-05		COMB3	-9.8088	-9.8088	-0.0036	0.0007	0.0005	0.0008
	0.00	CORREAS	-7.14E-01	-1.04E-03	-1.00E-04		COMB4	-0.1020	-0.1020	-0.0018	0.0025	0.0001	0.0000
	0.49	CORREAS	-7.14E-01	-1.04E-03	1.07E-04		COMB5	-6.6500	-6.6500	-0.0030	0.0013	0.0004	0.0005
	0.00	VIVA	-2.58E+00	-4.83E-04	1.03E-04		COMB6	-0.6766	-0.6766	-0.0019	0.0024	0.0001	0.0001
	0.49	VIVA	-2.58E+00	-4.83E-04	1.99E-04		COMB7	-7.6008	-8.5167	-0.0027	0.0010	0.0004	0.0007
	0.00	VIENTO	-3.73E+00	-6.98E-04	1.49E-04		COMB8	2.1059	2.1059	-0.0009	0.0023	0.0000	-0.0002
	0.49	VIENTO	-3.73E+00	-6.98E-04	2.87E-04		COMB9	-4.6932	-4.6932	0.0013	0.0056	0.0009	0.0005
	0.00	ESPECTRO	2.62E-01	3.96E-03	6.29E-04		COMB10	-2.4853	-2.4853	0.0021	0.0054	0.0008	0.0004
	0.49	ESPECTRO	2.62E-01	3.96E-03	1.59E-04								
2875	0.00	DEAD	-1.70E+00	-9.75E-04	2.25E-04	2875							
	0.50	DEAD	-1.70E+00	2.61E-03	6.31E-05		COMB1	-4.2410	-4.2410	0.0014	0.0065	0.0008	0.0001
	0.00	COBERT	-6.30E-01	1.08E-03	1.92E-04		COMB2	-7.6682	-7.6682	0.0081	0.0124	0.0019	-0.0001
	0.50	COBERT	-6.30E-01	1.08E-03	-2.15E-05		COMB3	-9.6294	-9.6294	0.0115	0.0158	0.0025	-0.0002
	0.00	CORREAS	-7.03E-01	9.24E-04	1.82E-04		COMB4	-0.1615	-0.1615	-0.0047	-0.0004	-0.0003	0.0002
	0.50	CORREAS	-7.03E-01	9.24E-04	-1.32E-06		COMB5	-6.5483	-6.5483	0.0062	0.0105	0.0016	-0.0001
	0.00	VIVA	-2.52E+00	4.32E-03	7.68E-04		COMB6	-0.7219	-0.7219	-0.0038	0.0005	-0.0002	0.0001
	0.50	VIVA	-2.52E+00	4.32E-03	-8.61E-05		COMB7	-7.4603	-8.3691	0.0090	0.0136	0.0020	-0.0001
	0.00	VIENTO	-3.64E+00	6.24E-03	1.11E-03		COMB8	2.0076	2.0076	-0.0072	-0.0040	-0.0009	0.0002
	0.50	VIENTO	-3.64E+00	6.24E-03	-1.24E-04		COMB9	-4.6484	-4.6484	0.0051	0.0094	0.0013	0.0002
	0.00	ESPECTRO	2.47E-01	1.68E-03	1.83E-04		COMB10	-2.4793	-2.4793	0.0026	0.0058	0.0007	0.0002
	0.50	ESPECTRO	2.47E-01	1.68E-03	1.52E-04								
2876	0.00	DEAD	-1.69E+00	-5.96E-04	2.56E-04	2876							
	0.50	DEAD	-1.69E+00	2.99E-03	1.93E-05		COMB1	-4.2030	-4.2030	0.0014	0.0064	0.0008	0.0000
	0.00	COBERT	-6.19E-01	9.21E-04	1.60E-04		COMB2	-7.5611	-7.5611	0.0070	0.0114	0.0017	-0.0001
	0.50	COBERT	-6.19E-01	9.21E-04	-2.26E-05		COMB3	-9.4860	-9.4860	0.0099	0.0142	0.0022	-0.0002
	0.00	CORREAS	-6.95E-01	6.40E-04	1.33E-04		COMB4	-0.1932	-0.1932	-0.0039	0.0004	-0.0002	0.0001
	0.50	CORREAS	-6.95E-01	6.40E-04	6.29E-06		COMB5	-6.4619	-6.4619	0.0054	0.0097	0.0014	-0.0001
	0.00	VIVA	-2.47E+00	3.68E-03	6.38E-04		COMB6	-0.7433	-0.7433	-0.0031	0.0012	-0.0001	0.0001
	0.50	VIVA	-2.47E+00	3.68E-03	-9.05E-05		COMB7	-7.3484	-8.2490	0.0078	0.0124	0.0017	-0.0002
	0.00	VIENTO	-3.57E+00	5.32E-03	9.22E-04		COMB8	1.9445	1.9445	-0.0060	-0.0028	-0.0007	0.0002
	0.50	VIENTO	-3.57E+00	5.32E-03	-1.31E-04		COMB9	-4.6007	-4.6007	0.0040	0.0083	0.0010	0.0001
	0.00	ESPECTRO	2.39E-01	9.64E-04	6.53E-05		COMB10	-2.4630	-2.4630	0.0018	0.0051	0.0006	0.0001
	0.50	ESPECTRO	2.39E-01	9.64E-04	1.26E-04								
2877	0.00	DEAD	-1.68E+00	-1.85E-04	2.78E-04	2877							
	0.50	DEAD	-1.68E+00	3.40E-03	-3.96E-05		COMB1	-4.1691	-4.1691	0.0021	0.0071	0.0008	-0.0001
	0.00	COBERT	-6.11E-01	9.62E-04	1.55E-04		COMB2	-7.4830	-7.4830	0.0079	0.0122	0.0017	-0.0003
	0.50	COBERT	-6.11E-01	9.62E-04	-3.52E-05		COMB3	-9.3842	-9.3842	0.0109	0.0152	0.0022	-0.0004
	0.00	CORREAS	-6.89E-01	7.13E-04	1.32E-04		COMB4	-0.2064	-0.2064	-0.0035	0.0008	-0.0002	0.0001
	0.50	CORREAS	-6.89E-01	7.13E-04	-9.11E-06		COMB5	-6.3975	-6.3975	0.0062	0.0105	0.0014	-0.0003
	0.00	VIVA	-2.44E+00	3.85E-03	6.21E-04		COMB6	-0.7496	-0.7496	-0.0027	0.0016	0.0000	0.0001
	0.50	VIVA	-2.44E+00	3.85E-03	-1.41E-04		COMB7	-7.2691	-8.1624	0.0086	0.0133	0.0017	-0.0004
	0.00	VIENTO	-3.53E+00	5.56E-03	8.97E-04		COMB8	1.9087	1.9087	-0.0059	-0.0027	-0.0007	0.0002
	0.50	VIENTO	-3.53E+00	5.56E-03	-2.04E-04		COMB9	-4.5606	-4.5606	0.0048	0.0091	0.0011	0.0000
	0.00	ESPECTRO	2.35E-01	1.09E-03	7.33E-05		COMB10	-2.4456	-2.4456	0.0024	0.0057	0.0006	0.0001
	0.50	ESPECTRO	2.35E-01	1.09E-03	1.42E-04								
2878	0.00	DEAD	-1.70E+00	-1.23E-04	2.87E-04	2878							
	0.49	DEAD	-1.70E+00	3.46E-03	-4.36E-05		COMB1	-4.2168	-4.2168	0.0019	0.0069	0.0008	-0.0001
	0.00	COBERT	-6.19E-01	9.40E-04	1.52E-04		COMB2	-7.5792	-7.5792	0.0077	0.0120	0.0016	-0.0003
	0.49	COBERT	-6.19E-01	9.40E-04	-3.43E-05		COMB3	-9.5072	-9.5072	0.0106	0.0149	0.0021	-0.0004
	0.00	CORREAS	-6.96E-01	5.59E-04	1.18E-04		COMB4	-0.1995	-0.1995	-0.0035	0.0008	-0.0002	0.0001
	0.49	CORREAS	-6.96E-01	5.59E-04	7.39E-06		COMB5	-6.4783	-6.4783	0.0060	0.0103	0.0014	-0.0002
	0.00	VIVA	-2.48E+00	3.76E-03	6.07E-04		COMB6	-0.7505	-0.7505	-0.0027	0.0016	0.0000	0.0001
	0.49	VIVA	-2.48E+00	3.76E-03	-1.37E-04		COMB7	-7.3646	-8.2682	0.0083	0.0130	0.0016	-0.0003
	0.00	VIENTO	-3.58E+00	5.43E-03	8.77E-04		COMB8	1.9430	1.9430	-0.0058	-0.0026	-0.0006	0.0002
	0.49	VIENTO	-3.58E+00	5.43E-03	-1.98E-04		COMB9	-4.6142	-4.6142	0.0045	0.0088	0.0010	0.0000
	0.00	ESPECTRO	2.39E-01	9.74E-04	6.05E-05		COMB10	-2.4716	-2.4716	0.0022	0.0054	0.0006	0.0001
	0.49	ESPECTRO	2.39E-01	9.74E-04	1.33E-04								
2879	0.00	DEAD	-1.78E+00	2.26E-04	3.32E-04	2879							
	0.50	DEAD	-1.78E+00	3.81E-03	-6.75E-05		COMB1	-4.4291	-4.4291	0.0026	0.0076	0.0009	-0.0001
	0.00	COBERT	-6.60E-01	9.43E-04	1.54E-04		COMB2	-8.0199	-8.0199	0.0082	0.0125	0.0017	-0.0003
	0.50	COBERT	-6.60E-01	9.43E-04	-3.27E-05		COMB3	-10.0737	-10.0737	0.0112	0.0155	0.0022	-0.0004
	0.00	CORREAS	-7.27E-01	6.59E-04	1.29E-04		COMB4	-0.1587	-0.1587	-0.0030	0.0013	-0.0001	0.0001
	0.50	CORREAS	-7.27E-01	6.59E-04	-1.25E-06		COMB5	-6.8471	-6.8471	0.0066	0.0109	0.0014	-0.0003
	0.00	VIVA	-2.64E+00	3.77E-03	6.16E-04		COMB6	-0.7456	-0.7456	-0.0022	0.0021	0.0000	0.0000

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO VIGA (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames

ELE.	Stat.	OutputCase	P	V2	M3	ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
Text	m	Text	Ton	Ton	Ton-m								
	0.50	VIVA	-2.64E+00	3.77E-03	-1.31E-04		COMB7	-7.8048	-8.7539	0.0087	0.0136	0.0017	-0.0004
	0.00	VIENTO	-3.81E+00	5.45E-03	8.90E-04		COMB8	2.1102	2.1102	-0.0054	-0.0022	-0.0006	0.0002
	0.50	VIENTO	-3.81E+00	5.45E-03	-1.89E-04		COMB9	-4.8566	-4.8566	0.0052	0.0095	0.0011	0.0000
	0.00	ESPECTRO	2.60E-01	1.13E-03	7.44E-05		COMB10	-2.5877	-2.5877	0.0028	0.0060	0.0006	0.0001
	0.50	ESPECTRO	2.60E-01	1.13E-03	1.50E-04								
	0.00	DEAD	-2.04E+00	-4.52E-05	5.26E-04								
	0.50	DEAD	-2.04E+00	4.47E-03	8.83E-05		COMB1	-5.1167	-5.1167	0.0016	0.0079	0.0013	0.0003
	0.00	COBERT	-7.80E-01	8.47E-04	2.10E-04		COMB2	-9.3754	-9.3754	0.0068	0.0122	0.0024	0.0005
	0.50	COBERT	-7.80E-01	8.47E-04	4.23E-05		COMB3	-11.8018	-11.8018	0.0094	0.0148	0.0031	0.0007
	0.00	CORREAS	-8.36E-01	3.46E-04	1.70E-04		COMB4	-0.0883	-0.0883	-0.0033	0.0021	-0.0001	0.0000
2880	0.50	CORREAS	-8.36E-01	3.46E-04	1.02E-04	2880	COMB5	-7.9899	-7.9899	0.0053	0.0107	0.0021	0.0005
	0.00	VIVA	-3.12E+00	3.39E-03	8.40E-04		COMB6	-0.7816	-0.7816	-0.0025	0.0029	0.0001	0.0001
	0.50	VIVA	-3.12E+00	3.39E-03	1.69E-04		COMB7	-9.1461	-10.2425	0.0074	0.0132	0.0024	0.0006
	0.00	VIENTO	-4.51E+00	4.89E-03	1.21E-03		COMB8	2.5674	2.5674	-0.0053	-0.0013	-0.0008	-0.0001
	0.50	VIENTO	-4.51E+00	4.89E-03	2.45E-04		COMB9	-5.6289	-5.6289	0.0044	0.0098	0.0016	0.0006
	0.00	ESPECTRO	3.16E-01	1.36E-03	7.13E-05		COMB10	-2.9732	-2.9732	0.0024	0.0064	0.0009	0.0004
	0.50	ESPECTRO	3.16E-01	1.36E-03	2.04E-04								
	0.00	DEAD	-2.11E+00	-5.96E-03	2.40E-04								
	0.50	DEAD	-2.11E+00	-1.45E-03	9.74E-04		COMB1	-5.3559	-5.3559	-0.0137	-0.0074	0.0005	0.0026
	0.00	COBERT	-8.42E-01	-1.69E-03	8.01E-05		COMB2	-9.9780	-9.9780	-0.0225	-0.0171	0.0010	0.0049
	0.50	COBERT	-8.42E-01	-1.69E-03	4.14E-04		COMB3	-12.5978	-12.5978	-0.0277	-0.0223	0.0012	0.0062
	0.00	CORREAS	-8.73E-01	-2.12E-03	4.57E-05		COMB4	0.0493	0.0493	-0.0024	0.0030	0.0000	-0.0001
2881	0.50	CORREAS	-8.73E-01	-2.12E-03	4.65E-04	2881	COMB5	-8.4822	-8.4822	-0.0195	-0.0141	0.0008	0.0041
	0.00	VIVA	-3.37E+00	-6.74E-03	3.20E-04		COMB6	-0.6993	-0.6993	-0.0039	0.0015	0.0001	0.0003
	0.50	VIVA	-3.37E+00	-6.74E-03	1.65E-03		COMB7	-9.7666	-10.9143	-0.0214	-0.0190	0.0009	0.0053
	0.00	VIENTO	-4.86E+00	-9.74E-03	4.63E-04		COMB8	2.8805	2.8805	0.0039	0.0079	-0.0003	-0.0014
	0.50	VIENTO	-4.86E+00	-9.74E-03	2.39E-03		COMB9	-5.9177	-5.9177	-0.0140	-0.0086	0.0006	0.0033
	0.00	ESPECTRO	3.57E-01	1.06E-03	1.16E-05		COMB10	-3.0865	-3.0865	-0.0077	-0.0037	0.0003	0.0019
	0.50	ESPECTRO	3.57E-01	1.06E-03	2.02E-04								
	0.00	DEAD	-3.78E+00	2.06E+00	2.94E-03								
	0.09	DEAD	-3.78E+00	2.06E+00	-7.54E-02		COMB1	-9.7144	-9.7144	5.2646	5.2683	0.0073	-0.1928
	0.00	COBERT	-1.56E+00	8.10E-01	1.13E-03		COMB2	-18.2824	-18.2824	9.6936	9.6967	0.0135	-0.3548
	0.09	COBERT	-1.56E+00	8.10E-01	-2.96E-02		COMB3	-23.1238	-23.1238	12.2130	12.2162	0.0170	-0.4470
	0.00	CORREAS	-1.60E+00	8.89E-01	1.15E-03		COMB4	0.2483	0.2483	0.0502	0.0533	0.0000	-0.0019
2882	0.09	CORREAS	-1.60E+00	8.89E-01	-3.26E-02	2882	COMB5	-15.5180	-15.5180	8.2550	8.2581	0.0115	-0.3022
	0.00	VIVA	-6.22E+00	3.24E+00	4.53E-03		COMB6	-1.1352	-1.1352	0.7701	0.7733	0.0010	-0.0283
	0.09	VIVA	-6.22E+00	3.24E+00	-1.18E-01		COMB7	-17.9310	-20.0126	9.4658	10.5971	0.0132	-0.3878
	0.00	VIENTO	-8.99E+00	4.68E+00	6.54E-03		COMB8	5.4411	5.4411	-2.6970	-2.6946	-0.0038	0.0986
	0.09	VIENTO	-8.99E+00	4.68E+00	-1.71E-01		COMB9	-10.8430	-10.8430	6.4907	6.4938	0.0089	-0.2112
	0.00	ESPECTRO	5.95E-01	3.59E-01	3.69E-04		COMB10	-5.6502	-5.6502	3.7435	3.7458	0.0051	-0.1106
	0.09	ESPECTRO	5.95E-01	3.59E-01	1.33E-02								
	0.00	DEAD	-4.51E+00	-3.14E-01	-2.98E-02								
	0.40	DEAD	-4.51E+00	-3.03E-01	1.96E-02		COMB1	-11.6043	-11.6043	-0.7985	-0.7829	-0.0761	0.0504
	0.00	COBERT	-1.84E+00	-1.22E-01	-1.17E-02		COMB2	-21.7233	-21.7233	-1.4658	-1.4525	-0.1404	0.0930
	0.40	COBERT	-1.84E+00	-1.22E-01	7.78E-03		COMB3	-27.4503	-27.4503	-1.8458	-1.8325	-0.1770	0.1172
	0.00	CORREAS	-1.94E+00	-1.34E-01	-1.28E-02		COMB4	0.1967	0.1967	-0.0114	0.0020	-0.0004	0.0003
2883	0.40	CORREAS	-1.94E+00	-1.34E-01	8.64E-03	2883	COMB5	-18.4533	-18.4533	-1.2489	-1.2355	-0.1195	0.0792
	0.00	VIVA	-7.36E+00	-4.88E-01	-4.70E-02		COMB6	-1.4398	-1.4398	-0.1200	-0.1066	-0.0109	0.0072
	0.40	VIVA	-7.36E+00	-4.88E-01	3.11E-02		COMB7	-21.2834	-23.7700	-1.4305	-1.5883	-0.1372	0.1017
	0.00	VIENTO	-1.06E+01	-7.06E-01	-6.79E-02		COMB8	6.3635	6.3635	0.4039	0.4139	0.0394	-0.0260
	0.40	VIENTO	-1.06E+01	-7.06E-01	4.50E-02		COMB9	-12.9369	-12.9369	-0.8708	-0.8574	-0.0832	0.0626
	0.00	ESPECTRO	6.90E-01	5.78E-02	5.47E-03		COMB10	-6.7701	-6.7701	-0.4555	-0.4455	-0.0434	0.0362
	0.40	ESPECTRO	6.90E-01	5.78E-02	3.78E-03								
			BRIDA INFERIOR						**BRIDA INFERIOR**				
	0.00	DEAD	0.00E+00	-8.88E-16	-2.22E-16								
	0.47	DEAD	-8.04E-15	2.29E-03	-5.39E-04		COMB1	0.0000	0.0000	0.0000	0.0032	0.0000	-0.0008
	0.00	COBERT	-1.42E-14	0.00E+00	0.00E+00		COMB2	0.0000	0.0000	0.0000	0.0027	0.0000	-0.0006
	0.47	COBERT	-1.42E-14	0.00E+00	0.00E+00		COMB3	0.0000	0.0000	0.0000	0.0027	0.0000	-0.0006
	0.00	CORREAS	-1.42E-14	4.44E-16	1.11E-16		COMB4	0.0000	0.0000	0.0000	0.0027	0.0000	-0.0006
2782	0.47	CORREAS	-1.42E-14	4.44E-16	-9.81E-17	2782	COMB5	0.0000	0.0000	0.0000	0.0027	0.0000	-0.0006
	0.00	VIVA	-5.68E-14	0.00E+00	0.00E+00		COMB6	0.0000	0.0000	0.0000	0.0027	0.0000	-0.0006
	0.47	VIVA	-5.68E-14	0.00E+00	0.00E+00		COMB7	0.0000	0.0000	0.0000	0.0027	0.0000	-0.0006
	0.00	VIENTO	0.00E+00	0.00E+00	0.00E+00		COMB8	0.0000	0.0000	0.0000	0.0021	0.0000	-0.0005
	0.47	VIENTO	0.00E+00	0.00E+00	0.00E+00		COMB9	0.0001	0.0001	0.0002	0.0029	0.0000	-0.0006
	0.00	ESPECTRO	1.22E-04	1.89E-04	8.50E-17		COMB10	0.0001	0.0001	0.0002	0.0022	0.0000	-0.0004
	0.47	ESPECTRO	1.22E-04	1.89E-04	8.91E-05								
	0.00	DEAD	-1.38E-01	6.05E-03	2.96E-03								
	0.50	DEAD	-1.38E-01	8.45E-03	-6.24E-04		COMB1	-0.3865	-0.3865	0.0178	0.0212	0.0080	-0.0016
	0.00	COBERT	-6.11E-02	3.09E-03	1.30E-03		COMB2	-0.7226	-0.7226	0.0351	0.0380	0.0152	-0.0029
	0.50	COBERT	-6.11E-02	3.09E-03	-2.31E-04		COMB3	-0.9128	-0.9128	0.0447	0.0476	0.0192	-0.0036
	0.00	CORREAS	-7.74E-02	3.60E-03	1.46E-03		COMB4	0.0057	0.0057	-0.0018	0.0011	-0.0003	-0.0001
2783	0.50	CORREAS	-7.74E-02	3.60E-03	-3.20E-04	2783	COMB5	-0.6139	-0.6139	0.0296	0.0325	0.0129	-0.0025
	0.00	VIVA	-2.45E-01	1.24E-02	5.20E-03		COMB6	-0.0487	-0.0487	0.0010	0.0039	0.0009	-0.0003
	0.50	VIVA	-2.45E-01	1.24E-02	-9.22E-04		COMB7	-0.7077	-0.7906	0.0347	0.0414	0.0149	-0.0031
	0.00	VIENTO	-3.53E-01	1.79E-02	7.51E-03		COMB8	0.2108	0.2108	-0.0118	-0.0096	-0.0046	0.0007
	0.50	VIENTO	-3.53E-01	1.79E-02	-1.33E-03		COMB9	-0.4320	-0.4320	0.0223	0.0252	0.0098	-0.0017

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO VIGA (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames

ELE.	Stat.	OutputCase	P	V2	M3	ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
Text	m	Text	Ton	Ton	Ton-m								
	0.00	ESPECTRO	2.16E-02	8.64E-04	3.18E-04		COMB10	-0.2269	-0.2269	0.0123	0.0145	0.0055	-0.0009
	0.50	ESPECTRO	2.16E-02	8.64E-04	1.27E-04								
	0.00	DEAD	4.33E-03	-5.56E-03	-1.09E-03								
	0.49	DEAD	4.33E-03	-3.16E-03	1.07E-03		COMB1	-0.0344	-0.0344	-0.0134	-0.0100	-0.0029	0.0029
	0.00	COBERT	-4.39E-04	-2.10E-03	-5.09E-04		COMB2	-0.0323	-0.0323	-0.0249	-0.0220	-0.0057	0.0059
	0.49	COBERT	-4.39E-04	-2.10E-03	5.31E-04		COMB3	-0.0337	-0.0337	-0.0314	-0.0285	-0.0073	0.0075
	0.00	CORREAS	-2.85E-02	-1.87E-03	-4.49E-04		COMB4	-0.0271	-0.0271	0.0001	0.0030	0.0003	-0.0004
2784	0.49	CORREAS	-2.85E-02	-1.87E-03	4.77E-04	2784	COMB5	-0.0316	-0.0316	-0.0211	-0.0183	-0.0048	0.0049
	0.00	VIVA	-1.76E-03	-8.40E-03	-2.03E-03		COMB6	-0.0275	-0.0275	-0.0017	0.0012	-0.0001	0.0000
	0.49	VIVA	-1.76E-03	-8.40E-03	2.12E-03		COMB7	-0.0254	-0.0328	-0.0244	-0.0243	-0.0057	0.0065
	0.00	VIENTO	-2.54E-03	-1.21E-02	-2.94E-03		COMB8	-0.0188	-0.0188	0.0072	0.0094	0.0020	-0.0021
	0.49	VIENTO	-2.54E-03	-1.21E-02	3.07E-03		COMB9	-0.0083	-0.0083	-0.0154	-0.0125	-0.0034	0.0036
	0.00	ESPECTRO	2.21E-02	2.66E-04	1.20E-04		COMB10	-0.0001	-0.0001	-0.0083	-0.0062	-0.0017	0.0019
	0.49	ESPECTRO	2.21E-02	2.66E-04	4.27E-05								
	0.00	DEAD	1.19E-01	-2.40E-03	9.31E-05								
	0.49	DEAD	1.19E-01	3.34E-06	6.87E-04		COMB1	0.2618	0.2618	-0.0054	-0.0020	0.0001	0.0020
	0.00	COBERT	5.38E-02	-8.74E-04	-3.48E-05		COMB2	0.5686	0.5686	-0.0102	-0.0073	-0.0001	0.0042
	0.49	COBERT	5.38E-02	-8.74E-04	3.98E-04		COMB3	0.7360	0.7360	-0.0129	-0.0101	-0.0002	0.0055
	0.00	CORREAS	1.42E-02	-5.73E-04	4.67E-05		COMB4	-0.0721	-0.0721	0.0002	0.0031	0.0003	-0.0005
2785	0.49	CORREAS	1.42E-02	-5.73E-04	3.30E-04	2785	COMB5	0.4730	0.4730	-0.0087	-0.0058	0.0000	0.0035
	0.00	VIVA	2.15E-01	-3.50E-03	-1.39E-04		COMB6	-0.0242	-0.0242	-0.0006	0.0023	0.0003	-0.0001
	0.49	VIVA	2.15E-01	-3.50E-03	1.59E-03		COMB7	0.5723	0.6284	-0.0100	-0.0083	-0.0002	0.0047
	0.00	VIENTO	3.11E-01	-5.05E-03	-2.01E-04		COMB8	-0.2357	-0.2357	0.0031	0.0053	0.0004	-0.0017
	0.49	VIENTO	3.11E-01	-5.05E-03	2.30E-03		COMB9	0.3586	0.3586	-0.0061	-0.0032	0.0002	0.0025
	0.00	ESPECTRO	2.66E-02	2.33E-04	1.17E-04		COMB10	0.1949	0.1949	-0.0032	-0.0011	0.0002	0.0013
	0.49	ESPECTRO	2.66E-02	2.33E-04	4.66E-06								
	0.00	DEAD	2.23E-01	-2.87E-03	-5.27E-05								
	0.50	DEAD	2.23E-01	-4.59E-04	7.70E-04		COMB1	0.5434	0.5434	-0.0069	-0.0035	-0.0003	0.0023
	0.00	COBERT	1.08E-01	-1.15E-03	-1.14E-04		COMB2	1.1574	1.1574	-0.0133	-0.0104	-0.0010	0.0049
	0.50	COBERT	1.08E-01	-1.15E-03	4.57E-04		COMB3	1.4937	1.4937	-0.0169	-0.0140	-0.0013	0.0063
	0.00	CORREAS	5.75E-02	-8.81E-04	-4.45E-05		COMB4	-0.1298	-0.1298	0.0005	0.0034	0.0004	-0.0006
2786	0.50	CORREAS	5.75E-02	-8.81E-04	3.91E-04	2786	COMB5	0.9653	0.9653	-0.0112	-0.0083	-0.0008	0.0041
	0.00	VIVA	4.32E-01	-4.62E-03	-4.56E-04		COMB6	-0.0337	-0.0337	-0.0005	0.0023	0.0003	-0.0002
	0.50	VIVA	4.32E-01	-4.62E-03	1.83E-03		COMB7	1.1611	1.2776	-0.0131	-0.0117	-0.0010	0.0054
	0.00	VIENTO	6.24E-01	-6.67E-03	-6.58E-04		COMB8	-0.4624	-0.4624	0.0043	0.0064	0.0007	-0.0020
	0.50	VIENTO	6.24E-01	-6.67E-03	2.64E-03		COMB9	0.7160	0.7160	-0.0079	-0.0050	-0.0004	0.0029
	0.00	ESPECTRO	3.41E-02	2.58E-04	1.16E-04		COMB10	0.3835	0.3835	-0.0042	-0.0020	-0.0001	0.0015
	0.50	ESPECTRO	3.41E-02	2.58E-04	1.52E-05								
	0.00	DEAD	3.14E-01	-2.82E-03	3.01E-05								
	0.50	DEAD	3.14E-01	-4.15E-04	8.31E-04		COMB1	0.8033	0.8033	-0.0070	-0.0037	-0.0001	0.0025
	0.00	COBERT	1.59E-01	-1.23E-03	-9.81E-05		COMB2	1.7092	1.7092	-0.0139	-0.0110	-0.0008	0.0054
	0.50	COBERT	1.59E-01	-1.23E-03	5.10E-04		COMB3	2.2056	2.2056	-0.0177	-0.0148	-0.0011	0.0070
	0.00	CORREAS	1.01E-01	-9.77E-04	-3.64E-05		COMB4	-0.1906	-0.1906	0.0007	0.0036	0.0004	-0.0007
2787	0.50	CORREAS	1.01E-01	-9.77E-04	4.47E-04	2787	COMB5	1.4258	1.4258	-0.0117	-0.0088	-0.0006	0.0045
	0.00	VIVA	6.38E-01	-4.91E-03	-3.92E-04		COMB6	-0.0487	-0.0487	-0.0004	0.0025	0.0003	-0.0002
	0.50	VIVA	6.38E-01	-4.91E-03	2.04E-03		COMB7	1.7145	1.8866	-0.0137	-0.0124	-0.0008	0.0060
	0.00	VIENTO	9.22E-01	-7.10E-03	-5.67E-04		COMB8	-0.6817	-0.6817	0.0047	0.0069	0.0006	-0.0022
	0.50	VIENTO	9.22E-01	-7.10E-03	2.95E-03		COMB9	1.0517	1.0517	-0.0082	-0.0053	-0.0002	0.0032
	0.00	ESPECTRO	4.42E-02	3.18E-04	1.26E-04		COMB10	0.5606	0.5606	-0.0042	-0.0020	0.0000	0.0016
	0.50	ESPECTRO	4.42E-02	3.18E-04	3.48E-05								
	0.00	DEAD	3.93E-01	-2.03E-03	2.00E-04								
	0.49	DEAD	3.93E-01	3.81E-04	6.07E-04		COMB1	1.0470	1.0470	-0.0053	-0.0019	0.0002	0.0020
	0.00	COBERT	2.11E-01	-9.97E-04	-4.93E-05		COMB2	2.2461	2.2461	-0.0109	-0.0080	-0.0001	0.0046
	0.49	COBERT	2.11E-01	-9.97E-04	4.44E-04		COMB3	2.9020	2.9020	-0.0140	-0.0111	-0.0003	0.0059
	0.00	CORREAS	1.44E-01	-7.44E-04	1.10E-05		COMB4	-0.2642	-0.2642	0.0010	0.0039	0.0005	-0.0007
2788	0.49	CORREAS	1.44E-01	-7.44E-04	3.79E-04	2788	COMB5	1.8716	1.8716	-0.0091	-0.0062	0.0000	0.0038
	0.00	VIVA	8.43E-01	-3.99E-03	-1.97E-04		COMB6	-0.0768	-0.0768	0.0001	0.0030	0.0004	-0.0003
	0.49	VIVA	8.43E-01	-3.99E-03	1.78E-03		COMB7	2.2561	2.4805	-0.0109	-0.0091	-0.0002	0.0051
	0.00	VIENTO	1.22E+00	-5.76E-03	-2.85E-04		COMB8	-0.9100	-0.9100	0.0041	0.0063	0.0005	-0.0020
	0.49	VIENTO	1.22E+00	-5.76E-03	2.57E-03		COMB9	1.3755	1.3755	-0.0062	-0.0033	0.0002	0.0026
	0.00	ESPECTRO	5.66E-02	3.14E-04	1.31E-04		COMB10	0.7297	0.7297	-0.0031	-0.0009	0.0003	0.0013
	0.49	ESPECTRO	5.66E-02	3.14E-04	2.56E-05								
	0.00	DEAD	4.55E-01	-4.74E-03	-3.61E-05								
	0.49	DEAD	4.55E-01	-2.33E-03	1.71E-03		COMB1	1.2597	1.2597	-0.0129	-0.0095	-0.0005	0.0051
	0.00	COBERT	2.59E-01	-2.37E-03	-1.83E-04		COMB2	2.7393	2.7393	-0.0262	-0.0233	-0.0016	0.0107
	0.49	COBERT	2.59E-01	-2.37E-03	9.88E-04		COMB3	3.5463	3.5463	-0.0335	-0.0307	-0.0021	0.0137
	0.00	CORREAS	1.86E-01	-2.09E-03	-1.22E-04		COMB4	-0.3495	-0.3495	0.0020	0.0049	0.0006	-0.0011
2789	0.49	CORREAS	1.86E-01	-2.09E-03	9.10E-04	2789	COMB5	2.2785	2.2785	-0.0220	-0.0191	-0.0013	0.0089
	0.00	VIVA	1.04E+00	-9.47E-03	-7.32E-04		COMB6	-0.1189	-0.1189	-0.0001	0.0028	0.0004	-0.0002
	0.49	VIVA	1.04E+00	-9.47E-03	3.95E-03		COMB7	2.7577	3.0277	-0.0260	-0.0259	-0.0017	0.0118
	0.00	VIENTO	1.50E+00	-1.37E-02	-1.06E-03		COMB8	-1.1381	-1.1381	0.0095	0.0117	0.0011	-0.0042
	0.49	VIENTO	1.50E+00	-1.37E-02	5.71E-03		COMB9	1.6691	1.6691	-0.0151	-0.0122	-0.0006	0.0065
	0.00	ESPECTRO	7.07E-02	7.01E-04	1.75E-04		COMB10	0.8806	0.8806	-0.0076	-0.0054	-0.0001	0.0034
	0.49	ESPECTRO	7.07E-02	7.01E-04	1.89E-04								
	0.00	DEAD	5.33E-01	9.97E-04	7.29E-04								
	0.50	DEAD	5.33E-01	3.40E-03	-3.60E-04		COMB1	1.5296	1.5296	0.0015	0.0049	0.0014	-0.0002

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO VIGA (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames

ELE.	Stat.	OutputCase	P	V2	M3	ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
Text	m	Text	Ton	Ton	Ton-m								
	0.00	COBERT	3.20E-01	-6.80E-05	1.23E-04		COMB2	3.3603	3.3603	0.0009	0.0037	0.0020	0.0009
	0.50	COBERT	3.20E-01	-6.80E-05	1.56E-04		COMB3	4.3567	4.3567	0.0006	0.0035	0.0024	0.0014
	0.00	CORREAS	2.40E-01	1.48E-04	1.67E-04		COMB4	-0.4539	-0.4539	0.0017	0.0046	0.0005	-0.0010
2790	0.50	CORREAS	2.40E-01	1.48E-04	9.33E-05	2790	COMB5	2.7913	2.7913	0.0010	0.0039	0.0018	0.0006
	0.00	VIVA	1.28E+00	-2.72E-04	4.91E-04		COMB6	-0.1691	-0.1691	0.0016	0.0045	0.0007	-0.0009
	0.50	VIVA	1.28E+00	-2.72E-04	6.25E-04		COMB7	3.3886	3.7164	0.0005	0.0037	0.0018	0.0010
	0.00	VIENTO	1.85E+00	-3.93E-04	7.09E-04		COMB8	-1.4220	-1.4220	0.0015	0.0036	0.0000	-0.0013
	0.50	VIENTO	1.85E+00	-3.93E-04	9.03E-04		COMB9	2.0400	2.0400	0.0017	0.0046	0.0016	0.0003
	0.00	ESPECTRO	8.86E-02	5.78E-04	1.60E-04		COMB10	1.0719	1.0719	0.0015	0.0037	0.0011	0.0000
	0.50	ESPECTRO	8.86E-02	5.78E-04	1.29E-04								
	0.00	DEAD	2.88E-01	7.08E-03	2.42E-03								
	0.50	DEAD	2.88E-01	9.48E-03	-1.68E-03		COMB1	0.9590	0.9590	0.0183	0.0217	0.0062	-0.0037
	0.00	COBERT	2.41E-01	2.95E-03	1.01E-03		COMB2	2.3674	2.3674	0.0346	0.0375	0.0118	-0.0061
	0.50	COBERT	2.41E-01	2.95E-03	-4.52E-04		COMB3	3.1189	3.1189	0.0438	0.0467	0.0149	-0.0075
	0.00	CORREAS	1.56E-01	3.05E-03	9.93E-04		COMB4	-0.5091	-0.5091	-0.0006	0.0023	-0.0003	-0.0007
2791	0.50	CORREAS	1.56E-01	3.05E-03	-5.19E-04	2791	COMB5	1.9383	1.9383	0.0294	0.0322	0.0100	-0.0053
	0.00	VIVA	9.66E-01	1.18E-02	4.04E-03		COMB6	-0.2943	-0.2943	0.0020	0.0049	0.0006	-0.0011
	0.50	VIVA	9.66E-01	1.18E-02	-1.81E-03		COMB7	2.4305	2.6360	0.0340	0.0408	0.0116	-0.0066
	0.00	VIENTO	1.40E+00	1.71E-02	5.84E-03		COMB8	-1.1975	-1.1975	-0.0104	-0.0082	-0.0036	0.0010
	0.50	VIENTO	1.40E+00	1.71E-02	-2.61E-03		COMB9	1.3988	1.3988	0.0227	0.0255	0.0076	-0.0038
	0.00	ESPECTRO	9.39E-02	1.05E-03	2.74E-04		COMB10	0.7104	0.7104	0.0128	0.0150	0.0043	-0.0021
	0.50	ESPECTRO	9.39E-02	1.05E-03	2.48E-04								
	0.00	DEAD	3.08E-03	1.57E-03	1.41E-03								
	0.49	DEAD	3.08E-03	6.08E-03	-4.88E-04		COMB1	0.1746	0.1746	0.0084	0.0147	0.0045	-0.0013
	0.00	COBERT	1.01E-01	2.20E-03	8.89E-04		COMB2	0.7977	0.7977	0.0213	0.0267	0.0095	-0.0024
	0.49	COBERT	1.01E-01	2.20E-03	-1.98E-04		COMB3	1.1129	1.1129	0.0281	0.0335	0.0123	-0.0030
	0.00	CORREAS	2.03E-02	2.25E-03	8.96E-04		COMB4	-0.4086	-0.4086	-0.0049	0.0005	-0.0011	0.0000
2792	0.49	CORREAS	2.03E-02	2.25E-03	-2.16E-04	2792	COMB5	0.6178	0.6178	0.0174	0.0228	0.0079	-0.0020
	0.00	VIVA	4.05E-01	8.79E-03	3.56E-03		COMB6	-0.3185	-0.3185	-0.0029	0.0025	-0.0003	-0.0002
	0.49	VIVA	4.05E-01	8.79E-03	-7.93E-04		COMB7	0.8729	0.9103	0.0219	0.0291	0.0096	-0.0026
	0.00	VIENTO	5.85E-01	1.27E-02	5.14E-03		COMB8	-0.6485	-0.6485	-0.0111	-0.0070	-0.0038	0.0007
	0.49	VIENTO	5.85E-01	1.27E-02	-1.15E-03		COMB9	0.4607	0.4607	0.0126	0.0180	0.0058	-0.0012
	0.00	ESPECTRO	1.09E-01	9.68E-04	1.94E-04		COMB10	0.2208	0.2208	0.0064	0.0104	0.0031	-0.0005
	0.49	ESPECTRO	1.09E-01	9.68E-04	2.99E-04								
	0.00	DEAD	5.36E-02	-6.87E-03	-7.13E-04								
	0.49	DEAD	5.36E-02	-2.36E-03	1.57E-03		COMB1	0.2520	0.2520	-0.0145	-0.0082	-0.0015	0.0041
	0.00	COBERT	1.06E-01	-1.94E-03	-2.19E-04		COMB2	0.8975	0.8975	-0.0248	-0.0194	-0.0027	0.0083
	0.49	COBERT	1.06E-01	-1.94E-03	7.40E-04		COMB3	1.2289	1.2289	-0.0309	-0.0255	-0.0033	0.0106
	0.00	CORREAS	1.99E-02	-1.56E-03	-1.21E-04		COMB4	-0.3710	-0.3710	-0.0018	0.0036	-0.0001	-0.0005
2793	0.49	CORREAS	1.99E-02	-1.56E-03	6.52E-04	2793	COMB5	0.7083	0.7083	-0.0214	-0.0160	-0.0023	0.0070
	0.00	VIVA	4.26E-01	-7.75E-03	-8.74E-04		COMB6	-0.2763	-0.2763	-0.0035	0.0019	-0.0003	0.0001
	0.49	VIVA	4.26E-01	-7.75E-03	2.96E-03		COMB7	0.9619	1.0159	-0.0239	-0.0216	-0.0026	0.0091
	0.00	VIENTO	6.15E-01	-1.12E-02	-1.26E-03		COMB8	-0.6379	-0.6379	0.0052	0.0093	0.0007	-0.0029
	0.49	VIENTO	6.15E-01	-1.12E-02	4.28E-03		COMB9	0.5448	0.5448	-0.0155	-0.0100	-0.0013	0.0051
	0.00	ESPECTRO	1.16E-01	8.66E-04	4.20E-04		COMB10	0.2779	0.2779	-0.0085	-0.0044	-0.0005	0.0027
	0.49	ESPECTRO	1.16E-01	8.66E-04	5.96E-05								
	0.00	DEAD	6.68E-02	-2.89E-04	1.70E-03								
	0.50	DEAD	6.68E-02	4.22E-03	7.31E-04		COMB1	0.2505	0.2505	0.0019	0.0082	0.0046	0.0021
	0.00	COBERT	1.02E-01	7.26E-04	7.74E-04		COMB2	0.8649	0.8649	0.0063	0.0117	0.0089	0.0044
	0.50	COBERT	1.02E-01	7.26E-04	4.15E-04		COMB3	1.1810	1.1810	0.0085	0.0140	0.0113	0.0057
	0.00	CORREAS	1.06E-02	9.28E-04	7.93E-04		COMB4	-0.3452	-0.3452	-0.0024	0.0030	-0.0003	-0.0005
2794	0.50	CORREAS	1.06E-02	9.28E-04	3.34E-04	2794	COMB5	0.6843	0.6843	0.0050	0.0104	0.0075	0.0037
	0.00	VIVA	4.06E-01	2.91E-03	3.10E-03		COMB6	-0.2548	-0.2548	-0.0017	0.0037	0.0003	-0.0001
	0.50	VIVA	4.06E-01	2.91E-03	1.66E-03		COMB7	0.9242	0.9778	0.0067	0.0125	0.0088	0.0049
	0.00	VIENTO	5.87E-01	4.20E-03	4.47E-03		COMB8	-0.6020	-0.6020	-0.0042	-0.0002	-0.0029	-0.0018
	0.50	VIENTO	5.87E-01	4.20E-03	2.40E-03		COMB9	0.5440	0.5440	0.0036	0.0090	0.0057	0.0026
	0.00	ESPECTRO	1.26E-01	5.11E-04	2.56E-04		COMB10	0.2871	0.2871	0.0017	0.0058	0.0032	0.0014
	0.50	ESPECTRO	1.26E-01	5.11E-04	2.87E-05								
	0.00	DEAD	6.67E-02	-2.18E-03	1.16E-03								
	0.49	DEAD	6.67E-02	2.33E-03	1.12E-03		COMB1	0.2307	0.2307	-0.0034	0.0029	0.0031	0.0032
	0.00	COBERT	9.65E-02	-2.26E-04	5.05E-04		COMB2	0.8155	0.8155	-0.0044	0.0010	0.0059	0.0067
	0.49	COBERT	9.65E-02	-2.26E-04	6.17E-04		COMB3	1.1160	1.1160	-0.0051	0.0003	0.0074	0.0086
	0.00	CORREAS	1.50E-03	-4.12E-05	5.22E-04		COMB4	-0.3344	-0.3344	-0.0017	0.0037	-0.0002	-0.0007
2795	0.49	CORREAS	1.50E-03	-4.12E-05	5.43E-04	2795	COMB5	0.6440	0.6440	-0.0040	0.0014	0.0050	0.0056
	0.00	VIVA	3.86E-01	-9.02E-04	2.02E-03		COMB6	-0.2485	-0.2485	-0.0019	0.0035	0.0003	-0.0001
	0.49	VIVA	3.86E-01	-9.02E-04	2.47E-03		COMB7	0.8735	0.9229	-0.0039	0.0008	0.0058	0.0074
	0.00	VIENTO	5.58E-01	-1.30E-03	2.92E-03		COMB8	-0.5769	-0.5769	-0.0005	0.0036	-0.0018	-0.0026
	0.49	VIENTO	5.58E-01	-1.30E-03	3.56E-03		COMB9	0.5293	0.5293	-0.0029	0.0026	0.0039	0.0040
	0.00	ESPECTRO	1.39E-01	5.27E-04	2.59E-04		COMB10	0.2868	0.2868	-0.0017	0.0024	0.0022	0.0021
	0.49	ESPECTRO	1.39E-01	5.27E-04	1.83E-05								
	0.00	DEAD	5.82E-02	2.49E-03	1.59E-03								
	0.50	DEAD	5.82E-02	7.00E-03	-7.52E-04		COMB1	0.2044	0.2044	0.0086	0.0149	0.0042	-0.0017
	0.00	COBERT	9.30E-02	1.66E-03	6.92E-04		COMB2	0.7706	0.7706	0.0180	0.0234	0.0080	-0.0023
	0.50	COBERT	9.30E-02	1.66E-03	-1.30E-04		COMB3	1.0602	1.0602	0.0232	0.0286	0.0102	-0.0027
	0.00	CORREAS	-5.23E-03	2.01E-03	6.97E-04		COMB4	-0.3376	-0.3376	-0.0018	0.0037	-0.0002	-0.0007
2796	0.50	CORREAS	-5.23E-03	2.01E-03	-3.00E-04	2796	COMB5	0.6053	0.6053	0.0151	0.0205	0.0068	-0.0020

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO VIGA (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames													
ELE.	Stat.	OutputCase	P	V2	M3	ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
Text	m	Text	Ton	Ton	Ton-m								
	0.00	VIVA	3.72E-01	6.64E-03	2.77E-03		COMB6	-0.2549	-0.2549	-0.0003	0.0051	0.0004	-0.0008
	0.50	VIVA	3.72E-01	6.64E-03	-5.21E-04		COMB7	0.8303	0.8741	0.0180	0.0253	0.0079	-0.0024
	0.00	VIENTO	5.38E-01	9.60E-03	4.00E-03		COMB8	-0.5675	-0.5675	-0.0069	-0.0029	-0.0025	-0.0001
	0.50	VIENTO	5.38E-01	9.60E-03	-7.53E-04		COMB9	0.5131	0.5131	0.0118	0.0173	0.0052	-0.0013
	0.00	ESPECTRO	1.52E-01	1.13E-03	2.19E-04		COMB10	0.2833	0.2833	0.0067	0.0107	0.0029	-0.0007
	0.50	ESPECTRO	1.52E-01	1.13E-03	3.39E-04								
	0.00	DEAD	5.80E-02	-6.82E-03	-6.79E-04								
	0.50	DEAD	5.80E-02	-2.31E-03	1.58E-03		COMB1	0.2038	0.2038	-0.0145	-0.0082	-0.0015	0.0041
	0.00	COBERT	9.30E-02	-1.60E-03	-1.06E-04		COMB2	0.7697	0.7697	-0.0227	-0.0172	-0.0019	0.0079
	0.50	COBERT	9.30E-02	-1.60E-03	6.85E-04		COMB3	1.0590	1.0590	-0.0276	-0.0222	-0.0023	0.0101
	0.00	CORREAS	-5.32E-03	-1.94E-03	-2.69E-04		COMB4	-0.3377	-0.3377	-0.0036	0.0018	-0.0007	-0.0002
2797	0.50	CORREAS	-5.32E-03	-1.94E-03	6.89E-04	2797	COMB5	0.6045	0.6045	-0.0198	-0.0144	-0.0018	0.0067
	0.00	VIVA	3.72E-01	-6.40E-03	-4.26E-04		COMB6	-0.2550	-0.2550	-0.0050	0.0004	-0.0008	0.0004
	0.50	VIVA	3.72E-01	-6.40E-03	2.74E-03		COMB7	0.8294	0.8731	-0.0213	-0.0190	-0.0017	0.0087
	0.00	VIENTO	5.37E-01	-9.24E-03	-6.15E-04		COMB8	-0.5673	-0.5673	0.0027	0.0068	-0.0002	-0.0025
	0.50	VIENTO	5.37E-01	-9.24E-03	3.96E-03		COMB9	0.5132	0.5132	-0.0146	-0.0092	-0.0012	0.0051
	0.00	ESPECTRO	1.53E-01	1.02E-03	2.88E-04		COMB10	0.2836	0.2836	-0.0083	-0.0042	-0.0007	0.0029
	0.50	ESPECTRO	1.53E-01	1.02E-03	2.18E-04								
	0.00	DEAD	2.57E-02	-1.11E-03	1.47E-03								
	0.49	DEAD	2.57E-02	3.40E-03	9.04E-04		COMB1	0.1294	0.1294	0.0001	0.0064	0.0041	0.0024
	0.00	COBERT	8.31E-02	6.01E-04	7.29E-04		COMB2	0.6426	0.6426	0.0039	0.0093	0.0081	0.0049
	0.49	COBERT	8.31E-02	6.01E-04	4.32E-04		COMB3	0.9011	0.9011	0.0058	0.0112	0.0104	0.0062
	0.00	CORREAS	-1.63E-02	5.77E-04	6.95E-04		COMB4	-0.3470	-0.3470	-0.0032	0.0022	-0.0005	-0.0003
2798	0.49	CORREAS	-1.63E-02	5.77E-04	4.09E-04	2798	COMB5	0.4949	0.4949	0.0029	0.0083	0.0068	0.0041
	0.00	VIVA	3.32E-01	2.40E-03	2.92E-03		COMB6	-0.2731	-0.2731	-0.0027	0.0027	0.0001	0.0001
	0.49	VIVA	3.32E-01	2.40E-03	1.73E-03		COMB7	0.7072	0.7350	0.0046	0.0100	0.0081	0.0053
	0.00	VIENTO	4.80E-01	3.47E-03	4.21E-03		COMB8	-0.5409	-0.5409	-0.0045	-0.0004	-0.0029	-0.0017
	0.49	VIENTO	4.80E-01	3.47E-03	2.49E-03		COMB9	0.4472	0.4472	0.0019	0.0074	0.0052	0.0030
	0.00	ESPECTRO	1.70E-01	6.55E-04	2.90E-04		COMB10	0.2533	0.2533	0.0007	0.0048	0.0029	0.0016
	0.49	ESPECTRO	1.70E-01	6.55E-04	4.25E-05								
	0.00	DEAD	-1.47E-02	-2.15E-03	1.02E-03								
	0.49	DEAD	-1.47E-02	2.36E-03	9.70E-04		COMB1	0.0498	0.0498	-0.0030	0.0033	0.0028	0.0027
	0.00	COBERT	7.49E-02	4.47E-05	5.22E-04		COMB2	0.5220	0.5220	-0.0023	0.0031	0.0057	0.0055
	0.49	COBERT	7.49E-02	4.47E-05	5.00E-04		COMB3	0.7552	0.7552	-0.0022	0.0032	0.0074	0.0071
	0.00	CORREAS	-2.47E-02	-4.89E-05	4.56E-04		COMB4	-0.3702	-0.3702	-0.0028	0.0026	-0.0005	-0.0004
2799	0.49	CORREAS	-2.47E-02	-4.89E-05	4.80E-04	2799	COMB5	0.3889	0.3889	-0.0024	0.0030	0.0048	0.0046
	0.00	VIVA	3.00E-01	1.79E-04	2.09E-03		COMB6	-0.3036	-0.3036	-0.0028	0.0026	0.0000	0.0000
	0.49	VIVA	3.00E-01	1.79E-04	2.00E-03		COMB7	0.5947	0.6054	-0.0016	0.0032	0.0057	0.0061
	0.00	VIENTO	4.33E-01	2.58E-04	3.02E-03		COMB8	-0.5307	-0.5307	-0.0023	0.0018	-0.0021	-0.0020
	0.49	VIENTO	4.33E-01	2.58E-04	2.89E-03		COMB9	0.3805	0.3805	-0.0024	0.0030	0.0035	0.0034
	0.00	ESPECTRO	1.88E-01	1.02E-04	1.05E-04		COMB10	0.2201	0.2201	-0.0018	0.0022	0.0019	0.0018
	0.49	ESPECTRO	1.88E-01	1.02E-04	5.49E-05								
	0.00	DEAD	-6.97E-02	-1.36E-03	1.19E-03								
	0.50	DEAD	-6.97E-02	3.15E-03	7.50E-04		COMB1	-0.0522	-0.0522	-0.0013	0.0050	0.0032	0.0023
	0.00	COBERT	6.59E-02	3.20E-04	5.76E-04		COMB2	0.3772	0.3772	0.0009	0.0063	0.0064	0.0046
	0.50	COBERT	6.59E-02	3.20E-04	4.18E-04		COMB3	0.5824	0.5824	0.0019	0.0073	0.0082	0.0059
	0.00	CORREAS	-3.36E-02	9.26E-05	5.03E-04		COMB4	-0.4082	-0.4082	-0.0029	0.0025	-0.0005	-0.0004
2800	0.50	CORREAS	-3.36E-02	9.26E-05	4.57E-04	2800	COMB5	0.2600	0.2600	0.0003	0.0058	0.0054	0.0039
	0.00	VIVA	2.64E-01	1.28E-03	2.30E-03		COMB6	-0.3496	-0.3496	-0.0026	0.0028	0.0001	0.0000
	0.50	VIVA	2.64E-01	1.28E-03	1.67E-03		COMB7	0.4617	0.4505	0.0015	0.0067	0.0064	0.0051
	0.00	VIENTO	3.81E-01	1.85E-03	3.33E-03		COMB8	-0.5289	-0.5289	-0.0033	0.0008	-0.0023	-0.0017
	0.50	VIENTO	3.81E-01	1.85E-03	2.41E-03		COMB9	0.2949	0.2949	0.0003	0.0057	0.0041	0.0030
	0.00	ESPECTRO	2.08E-01	8.02E-04	1.89E-04		COMB10	0.1742	0.1742	-0.0001	0.0040	0.0022	0.0017
	0.50	ESPECTRO	2.08E-01	8.02E-04	2.21E-04								
	0.00	DEAD	-1.41E-01	-3.84E-04	1.28E-03								
	0.50	DEAD	-1.41E-01	4.13E-03	3.57E-04		COMB1	-0.1784	-0.1784	-0.0008	0.0055	0.0032	0.0021
	0.00	COBERT	5.58E-02	-3.27E-05	5.29E-04		COMB2	0.2041	0.2041	-0.0009	0.0045	0.0061	0.0052
	0.50	COBERT	5.58E-02	-3.27E-05	5.45E-04		COMB3	0.3777	0.3777	-0.0010	0.0044	0.0078	0.0069
	0.00	CORREAS	-4.24E-02	-1.82E-04	4.72E-04		COMB4	-0.4604	-0.4604	-0.0005	0.0049	-0.0002	-0.0012
2801	0.50	CORREAS	-4.24E-02	-1.82E-04	5.62E-04	2801	COMB5	0.1050	0.1050	-0.0009	0.0045	0.0052	0.0043
	0.00	VIVA	2.23E-01	-1.31E-04	2.12E-03		COMB6	-0.4108	-0.4108	-0.0006	0.0048	0.0003	-0.0008
	0.50	VIVA	2.23E-01	-1.31E-04	2.18E-03		COMB7	0.3044	0.2662	-0.0008	0.0045	0.0060	0.0059
	0.00	VIENTO	3.22E-01	-1.89E-04	3.06E-03		COMB8	-0.5337	-0.5337	-0.0003	0.0038	-0.0019	-0.0028
	0.50	VIENTO	3.22E-01	-1.89E-04	3.15E-03		COMB9	0.1906	0.1906	-0.0004	0.0051	0.0039	0.0029
	0.00	ESPECTRO	2.32E-01	4.32E-04	1.32E-04		COMB10	0.1172	0.1172	-0.0001	0.0040	0.0022	0.0014
	0.50	ESPECTRO	2.32E-01	4.32E-04	8.35E-05								
	0.00	DEAD	-2.04E-01	-2.31E-03	8.30E-04								
	0.49	DEAD	-2.04E-01	2.20E-03	8.58E-04		COMB1	-0.2780	-0.2780	-0.0027	0.0036	0.0030	0.0028
	0.00	COBERT	5.36E-02	2.88E-04	7.11E-04		COMB2	0.1047	0.1047	-0.0004	0.0050	0.0071	0.0060
	0.49	COBERT	5.36E-02	2.88E-04	5.68E-04		COMB3	0.2715	0.2715	0.0004	0.0059	0.0093	0.0078
	0.00	CORREAS	-4.83E-02	1.12E-04	6.00E-04		COMB4	-0.5337	-0.5337	-0.0039	0.0015	-0.0013	-0.0008
2802	0.49	CORREAS	-4.83E-02	1.12E-04	5.45E-04	2802	COMB5	0.0095	0.0095	-0.0010	0.0045	0.0059	0.0050
	0.00	VIVA	2.14E-01	1.15E-03	2.84E-03		COMB6	-0.4861	-0.4861	-0.0036	0.0018	-0.0007	-0.0003
	0.49	VIVA	2.14E-01	1.15E-03	2.27E-03		COMB7	0.2239	0.1643	0.0004	0.0053	0.0073	0.0066
	0.00	VIENTO	3.10E-01	1.67E-03	4.11E-03		COMB8	-0.5813	-0.5813	-0.0039	0.0002	-0.0034	-0.0025
	0.49	VIENTO	3.10E-01	1.67E-03	3.28E-03		COMB9	0.1102	0.1102	-0.0004	0.0050	0.0042	0.0040

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO VIGA (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames													
ELE.	Stat.	OutputCase	P	V2	M3	ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
Text	m	Text	Ton	Ton	Ton-m								
	0.00	ESPECTRO	2.41E-01	1.31E-03	1.99E-04		COMB10	0.0626	0.0626	-0.0004	0.0036	0.0021	0.0022
	0.49	ESPECTRO	2.41E-01	1.31E-03	4.49E-04								
	0.00	DEAD	-2.62E-01	-2.35E-03	7.92E-04								
	0.49	DEAD	-2.62E-01	2.16E-03	8.40E-04		COMB1	-0.5068	-0.5068	0.0018	0.0081	0.0037	0.0012
	0.00	COBERT	-3.73E-03	1.90E-03	9.44E-04		COMB2	-0.4583	-0.4583	0.0137	0.0192	0.0092	0.0011
	0.49	COBERT	-3.73E-03	1.90E-03	1.11E-06		COMB3	-0.4699	-0.4699	0.0197	0.0251	0.0121	0.0011
	0.00	CORREAS	-9.67E-02	1.74E-03	9.02E-04		COMB4	-0.4139	-0.4139	-0.0089	-0.0035	-0.0020	0.0010
2803	0.49	CORREAS	-9.67E-02	1.74E-03	3.86E-05	2803	COMB5	-0.4516	-0.4516	0.0104	0.0158	0.0075	0.0011
	0.00	VIVA	-1.49E-02	7.62E-03	3.77E-03		COMB6	-0.4172	-0.4172	-0.0072	-0.0018	-0.0012	0.0011
	0.49	VIVA	-1.49E-02	7.62E-03	4.45E-06		COMB7	-0.3538	-0.4624	0.0155	0.0213	0.0095	0.0011
	0.00	VIENTO	-2.15E-02	1.10E-02	5.45E-03		COMB8	-0.2978	-0.2978	-0.0131	-0.0091	-0.0047	0.0008
	0.49	VIENTO	-2.15E-02	1.10E-02	6.42E-06		COMB9	-0.1958	-0.1958	0.0067	0.0122	0.0053	0.0014
	0.00	ESPECTRO	2.46E-01	1.38E-03	2.95E-04		COMB10	-0.0797	-0.0797	0.0025	0.0066	0.0027	0.0012
	0.49	ESPECTRO	2.46E-01	1.38E-03	3.89E-04								
	0.00	DEAD	-3.33E-01	-1.32E-03	1.10E-03								
	0.50	DEAD	-3.33E-01	3.20E-03	6.32E-04		COMB1	-0.7850	-0.7850	0.0028	0.0091	0.0039	0.0009
	0.00	COBERT	-6.99E-02	1.72E-03	8.45E-04		COMB2	-1.1201	-1.1201	0.0134	0.0188	0.0087	0.0007
	0.50	COBERT	-6.99E-02	1.72E-03	-8.89E-06		COMB3	-1.3375	-1.3375	0.0188	0.0242	0.0114	0.0007
	0.00	CORREAS	-1.58E-01	1.56E-03	8.21E-04		COMB4	-0.2877	-0.2877	-0.0071	-0.0017	-0.0013	0.0009
2804	0.50	CORREAS	-1.58E-01	1.56E-03	4.82E-05	2804	COMB5	-0.9959	-0.9959	0.0103	0.0158	0.0072	0.0008
	0.00	VIVA	-2.80E-01	6.90E-03	3.38E-03		COMB6	-0.3498	-0.3498	-0.0056	-0.0002	-0.0006	0.0008
	0.50	VIVA	-2.80E-01	6.90E-03	-3.56E-05		COMB7	-1.0296	-1.1978	0.0147	0.0207	0.0088	0.0007
	0.00	VIENTO	-4.04E-01	9.97E-03	4.88E-03		COMB8	0.0203	0.0203	-0.0112	-0.0071	-0.0039	0.0007
	0.50	VIENTO	-4.04E-01	9.97E-03	-5.14E-05		COMB9	-0.5330	-0.5330	0.0077	0.0131	0.0055	0.0012
	0.00	ESPECTRO	2.80E-01	1.91E-03	5.34E-04		COMB10	-0.2250	-0.2250	0.0037	0.0077	0.0030	0.0010
	0.50	ESPECTRO	2.80E-01	1.91E-03	4.26E-04								
	0.00	DEAD	-4.19E-01	-1.07E-03	1.10E-03								
	0.50	DEAD	-4.19E-01	3.44E-03	5.17E-04		COMB1	-1.0783	-1.0783	0.0022	0.0085	0.0034	0.0008
	0.00	COBERT	-1.35E-01	1.46E-03	7.05E-04		COMB2	-1.7893	-1.7893	0.0112	0.0166	0.0074	0.0005
	0.50	COBERT	-1.35E-01	1.46E-03	-2.00E-05		COMB3	-2.2100	-2.2100	0.0158	0.0212	0.0096	0.0005
	0.00	CORREAS	-2.16E-01	1.15E-03	6.30E-04		COMB4	-0.1792	-0.1792	-0.0062	-0.0008	-0.0010	0.0008
2805	0.50	CORREAS	-2.16E-01	1.15E-03	5.97E-05	2805	COMB5	-1.5491	-1.5491	0.0086	0.0140	0.0062	0.0006
	0.00	VIVA	-5.41E-01	5.86E-03	2.82E-03		COMB6	-0.2994	-0.2994	-0.0049	0.0005	-0.0003	0.0008
	0.50	VIVA	-5.41E-01	5.86E-03	-8.01E-05		COMB7	-1.7086	-1.9397	0.0124	0.0183	0.0075	0.0005
	0.00	VIENTO	-7.81E-01	8.46E-03	4.07E-03		COMB8	0.3222	0.3222	-0.0096	-0.0055	-0.0031	0.0007
	0.50	VIENTO	-7.81E-01	8.46E-03	-1.16E-04		COMB9	-0.8817	-0.8817	0.0055	0.0110	0.0044	0.0010
	0.00	ESPECTRO	3.13E-01	7.55E-04	2.59E-05		COMB10	-0.3803	-0.3803	0.0021	0.0062	0.0022	0.0009
	0.50	ESPECTRO	3.13E-01	7.55E-04	3.53E-04								
	0.00	DEAD	-5.18E-01	-6.65E-04	1.12E-03								
	0.50	DEAD	-5.18E-01	3.85E-03	3.33E-04		COMB1	-1.3930	-1.3930	0.0029	0.0093	0.0034	0.0004
	0.00	COBERT	-2.01E-01	1.51E-03	6.76E-04		COMB2	-2.4820	-2.4820	0.0122	0.0176	0.0072	-0.0001
	0.50	COBERT	-2.01E-01	1.51E-03	-7.12E-05		COMB3	-3.1083	-3.1083	0.0169	0.0223	0.0093	-0.0004
	0.00	CORREAS	-2.75E-01	1.26E-03	6.25E-04		COMB4	-0.0846	-0.0846	-0.0058	-0.0004	-0.0008	0.0007
2806	0.50	CORREAS	-2.75E-01	1.26E-03	2.62E-06	2806	COMB5	-2.1244	-2.1244	0.0095	0.0149	0.0060	0.0000
	0.00	VIVA	-8.05E-01	6.04E-03	2.70E-03		COMB6	-0.2636	-0.2636	-0.0045	0.0010	-0.0002	0.0006
	0.50	VIVA	-8.05E-01	6.04E-03	-2.85E-04		COMB7	-2.4073	-2.7058	0.0132	0.0193	0.0073	-0.0002
	0.00	VIENTO	-1.16E+00	8.72E-03	3.91E-03		COMB8	0.6164	0.6164	-0.0095	-0.0054	-0.0029	0.0008
	0.50	VIENTO	-1.16E+00	8.72E-03	-4.12E-04		COMB9	-1.2454	-1.2454	0.0066	0.0120	0.0044	0.0006
	0.00	ESPECTRO	3.51E-01	1.03E-03	1.03E-04		COMB10	-0.5444	-0.5444	0.0029	0.0070	0.0023	0.0007
	0.50	ESPECTRO	3.51E-01	1.03E-03	4.17E-04								
	0.00	DEAD	-6.31E-01	-1.22E-03	1.02E-03								
	0.49	DEAD	-6.31E-01	3.30E-03	5.07E-04		COMB1	-1.7269	-1.7269	0.0010	0.0073	0.0030	0.0009
	0.00	COBERT	-2.68E-01	1.12E-03	5.90E-04		COMB2	-3.1934	-3.1934	0.0080	0.0134	0.0063	0.0010
	0.49	COBERT	-2.68E-01	1.12E-03	3.66E-05		COMB3	-4.0265	-4.0265	0.0115	0.0169	0.0082	0.0012
	0.00	CORREAS	-3.34E-01	7.91E-04	5.23E-04		COMB4	-0.0047	-0.0047	-0.0053	0.0001	-0.0007	0.0006
2807	0.49	CORREAS	-3.34E-01	7.91E-04	1.31E-04	2807	COMB5	-2.7177	-2.7177	0.0060	0.0114	0.0053	0.0010
	0.00	VIVA	-1.07E+00	4.47E-03	2.36E-03		COMB6	-0.2427	-0.2427	-0.0043	0.0011	-0.0002	0.0006
	0.49	VIVA	-1.07E+00	4.47E-03	1.46E-04		COMB7	-3.1211	-3.4911	0.0090	0.0146	0.0064	0.0011
	0.00	VIENTO	-1.55E+00	6.46E-03	3.41E-03		COMB8	0.9008	0.9008	-0.0078	-0.0037	-0.0025	0.0003
	0.49	VIENTO	-1.55E+00	6.46E-03	2.11E-04		COMB9	-1.6242	-1.6242	0.0039	0.0093	0.0038	0.0013
	0.00	ESPECTRO	3.91E-01	7.85E-04	1.38E-05		COMB10	-0.7187	-0.7187	0.0014	0.0055	0.0019	0.0010
	0.49	ESPECTRO	3.91E-01	7.85E-04	3.84E-04								
	0.00	DEAD	-7.60E-01	-1.32E-04	1.54E-03								
	0.50	DEAD	-7.60E-01	5.83E-03	1.27E-04		COMB1	-2.0875	-2.0875	0.0045	0.0128	0.0043	0.0000
	0.00	COBERT	-3.37E-01	1.83E-03	7.86E-04		COMB2	-3.9489	-3.9489	0.0155	0.0227	0.0087	-0.0008
	0.50	COBERT	-3.37E-01	1.83E-03	-1.18E-04		COMB3	-4.9991	-4.9991	0.0212	0.0284	0.0111	-0.0011
	0.00	CORREAS	-3.94E-01	1.50E-03	7.31E-04		COMB4	0.0707	0.0707	-0.0062	0.0009	-0.0007	0.0006
2808	0.50	CORREAS	-3.94E-01	1.50E-03	-9.55E-06	2808	COMB5	-3.3492	-3.3492	0.0123	0.0194	0.0073	-0.0005
	0.00	VIVA	-1.35E+00	7.31E-03	3.15E-03		COMB6	-0.2294	-0.2294	-0.0046	0.0025	0.0000	0.0005
	0.50	VIVA	-1.35E+00	7.31E-03	-4.71E-04		COMB7	-3.8769	-4.3242	0.0166	0.0247	0.0087	-0.0009
	0.00	VIENTO	-1.95E+00	1.06E-02	4.54E-03		COMB8	1.1929	1.1929	-0.0108	-0.0055	-0.0032	0.0009
	0.50	VIENTO	-1.95E+00	1.06E-02	-6.80E-04		COMB9	-2.0299	-2.0299	0.0087	0.0159	0.0054	0.0003
	0.00	ESPECTRO	4.34E-01	1.26E-03	1.38E-04		COMB10	-0.9077	-0.9077	0.0041	0.0095	0.0029	0.0005
	0.50	ESPECTRO	4.34E-01	1.26E-03	5.44E-04								
	0.00	DEAD	-9.01E-01	-5.73E-03	1.03E-03								
	0.50	DEAD	-9.01E-01	2.37E-04	2.39E-03		COMB1	-2.4642	-2.4642	-0.0106	-0.0022	0.0028	0.0060

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO VIGA (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames

ELE.	Stat.	OutputCase	P	V2	M3	ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
Text	m	Text	Ton	Ton	Ton-m								
2809	0.00	COBERT	-4.07E-01	-6.58E-04	5.16E-04	2809	COMB2	-4.7163	-4.7163	-0.0133	-0.0061	0.0057	0.0105
	0.50	COBERT	-4.07E-01	-6.58E-04	8.42E-04		COMB3	-5.9826	-5.9826	-0.0153	-0.0082	0.0073	0.0131
	0.00	CORREAS	-4.53E-01	-1.16E-03	4.49E-04		COMB4	0.1307	0.1307	-0.0054	0.0017	-0.0005	0.0005
	0.50	CORREAS	-4.53E-01	-1.16E-03	1.02E-03		COMB5	-3.9932	-3.9932	-0.0121	-0.0049	0.0048	0.0090
	0.00	VIVA	-1.63E+00	-2.63E-03	2.06E-03		COMB6	-0.2312	-0.2312	-0.0060	0.0011	0.0000	0.0012
	0.50	VIVA	-1.63E+00	-2.63E-03	3.37E-03		COMB7	-4.6408	-5.1689	-0.0117	-0.0068	0.0057	0.0114
	0.00	VIENTO	-2.35E+00	-3.80E-03	2.98E-03		COMB8	1.4725	1.4725	-0.0018	0.0035	-0.0021	-0.0025
	0.50	VIENTO	-2.35E+00	-3.80E-03	4.86E-03		COMB9	-2.4479	-2.4479	-0.0095	-0.0024	0.0035	0.0073
	0.00	ESPECTRO	4.78E-01	8.29E-04	1.10E-04		COMB10	-1.1061	-1.1061	-0.0060	-0.0006	0.0019	0.0043
	0.50	ESPECTRO	4.78E-01	8.29E-04	5.02E-04								
2810	0.00	DEAD	-1.06E+00	3.61E-02	5.07E-03	2810							
	0.50	DEAD	-1.06E+00	4.33E-02	-1.46E-02		COMB1	-2.8836	-2.8836	0.0972	0.1073	0.0130	-0.0376
	0.00	COBERT	-4.80E-01	1.60E-02	2.09E-03		COMB2	-5.5439	-5.5439	0.1858	0.1945	0.0246	-0.0696
	0.50	COBERT	-4.80E-01	1.60E-02	-5.84E-03		COMB3	-7.0379	-7.0379	0.2357	0.2444	0.0311	-0.0877
	0.00	CORREAS	-5.15E-01	1.73E-02	2.15E-03		COMB4	0.1744	0.1744	-0.0050	0.0036	-0.0004	0.0000
	0.50	CORREAS	-5.15E-01	1.73E-02	-6.40E-03		COMB5	-4.6908	-4.6908	0.1574	0.1660	0.0209	-0.0592
	0.00	VIVA	-1.92E+00	6.41E-02	8.38E-03		COMB6	-0.2525	-0.2525	0.0092	0.0179	0.0015	-0.0052
	0.50	VIVA	-1.92E+00	6.41E-02	-2.33E-02		COMB7	-5.4599	-6.0778	0.1828	0.2123	0.0241	-0.0760
	0.00	VIENTO	-2.77E+00	9.26E-02	1.21E-02		COMB8	1.7524	1.7524	-0.0579	-0.0514	-0.0074	0.0197
	0.50	VIENTO	-2.77E+00	9.26E-02	-3.37E-02		COMB9	-2.9073	-2.9073	0.1229	0.1315	0.0160	-0.0407
	0.00	ESPECTRO	5.24E-01	7.54E-03	6.53E-04		COMB10	-1.3293	-1.3293	0.0700	0.0765	0.0090	-0.0210
	0.50	ESPECTRO	5.24E-01	7.54E-03	3.14E-03								
2811	0.00	DEAD	-1.21E+00	-9.26E-02	-1.79E-02	2811							
	0.49	DEAD	-1.21E+00	-8.53E-02	2.61E-02		COMB1	-3.2296	-3.2296	-0.2356	-0.2255	-0.0462	0.0679
	0.00	COBERT	-5.39E-01	-3.53E-02	-7.04E-03		COMB2	-6.2167	-6.2167	-0.4281	-0.4195	-0.0846	0.1252
	0.49	COBERT	-5.39E-01	-3.53E-02	1.05E-02		COMB3	-7.8937	-7.8937	-0.5381	-0.5295	-0.1065	0.1577
	0.00	CORREAS	-5.61E-01	-4.04E-02	-8.01E-03		COMB4	0.2019	0.2019	-0.0072	0.0015	-0.0008	0.0006
	0.49	CORREAS	-5.61E-01	-4.04E-02	1.20E-02		COMB5	-5.2592	-5.2592	-0.3653	-0.3567	-0.0721	0.1066
	0.00	VIVA	-2.16E+00	-1.41E-01	-2.81E-02		COMB6	-0.2773	-0.2773	-0.0386	-0.0299	-0.0071	0.0099
	0.49	VIVA	-2.16E+00	-1.41E-01	4.18E-02		COMB7	-6.1240	-6.8160	-0.4169	-0.4588	-0.0826	0.1368
	0.00	VIENTO	-3.11E+00	-2.04E-01	-4.07E-02		COMB8	1.9716	1.9716	0.1140	0.1205	0.0232	-0.0349
	0.49	VIENTO	-3.11E+00	-2.04E-01	6.04E-02		COMB9	-3.2803	-3.2803	-0.2572	-0.2486	-0.0501	0.0834
	0.00	ESPECTRO	5.66E-01	1.54E-02	3.57E-03		COMB10	-1.5106	-1.5106	-0.1361	-0.1296	-0.0261	0.0479
	0.49	ESPECTRO	5.66E-01	1.54E-02	4.22E-03								
MONTANTE						**MONTANTE**							
3252	0.00	DEAD	-4.66E-02	-4.79E-02	-5.66E-03	3252							
	0.70	DEAD	-4.02E-02	-4.79E-02	2.77E-02		COMB1	-0.1254	-0.1165	-0.1250	-0.1250	-0.0146	0.0725
	0.00	COBERT	-2.02E-02	-1.99E-02	-2.35E-03		COMB2	-0.2367	-0.2290	-0.2346	-0.2345	-0.0276	0.1358
	0.70	COBERT	-2.02E-02	-1.99E-02	1.15E-02		COMB3	-0.2995	-0.2918	-0.2965	-0.2965	-0.0349	0.1717
	0.00	CORREAS	-2.28E-02	-2.15E-02	-2.43E-03		COMB4	0.0037	0.0113	0.0026	0.0026	0.0004	-0.0014
	0.70	CORREAS	-2.28E-02	-2.15E-02	1.25E-02		COMB5	-0.2008	-0.1932	-0.1992	-0.1992	-0.0234	0.1154
	0.00	VIVA	-8.07E-02	-7.96E-02	-9.40E-03		COMB6	-0.0142	-0.0066	-0.0151	-0.0151	-0.0017	0.0089
	0.70	VIVA	-8.07E-02	-7.96E-02	4.61E-02		COMB7	-0.2322	-0.2515	-0.2299	-0.2567	-0.0271	0.1487
	0.00	VIENTO	-1.17E-01	-1.15E-01	-1.36E-02		COMB8	0.0710	0.0767	0.0692	0.0692	0.0083	-0.0400
	0.70	VIENTO	-1.17E-01	-1.15E-01	6.66E-02		COMB9	-0.1344	-0.1268	-0.1337	-0.1337	-0.0156	0.0928
	0.00	ESPECTRO	1.34E-02	1.33E-02	1.62E-03		COMB10	-0.0672	-0.0615	-0.0671	-0.0671	-0.0078	0.0543
	0.70	ESPECTRO	1.34E-02	1.33E-02	7.67E-03								
3558	0.00	DEAD	-3.97E+00	1.57E-01	3.91E-02	3558							
	0.70	DEAD	-3.95E+00	1.57E-01	-7.08E-02		COMB1	-10.2447	-10.2174	0.4054	0.4054	0.1013	-0.1825
	0.00	COBERT	-1.56E+00	6.25E-02	1.56E-02		COMB2	-18.7634	-18.7400	0.7477	0.7477	0.1868	-0.3366
	0.70	COBERT	-1.56E+00	6.25E-02	-2.81E-02		COMB3	-23.6176	-23.5942	0.9423	0.9423	0.2354	-0.4242
	0.00	CORREAS	-1.79E+00	7.01E-02	1.76E-02		COMB4	-0.1836	-0.1602	0.0028	0.0028	0.0007	-0.0013
	0.70	CORREAS	-1.79E+00	7.01E-02	-3.14E-02		COMB5	-15.9916	-15.9682	0.6366	0.6366	0.1590	-0.2866
	0.00	VIVA	-6.24E+00	2.50E-01	6.25E-02		COMB6	-1.5707	-1.5473	0.0584	0.0584	0.0146	-0.0263
	0.70	VIVA	-6.24E+00	2.50E-01	-1.13E-01		COMB7	-18.3029	-20.4748	0.7304	0.8173	0.1825	-0.3679
	0.00	VIENTO	-9.01E+00	3.61E-01	9.03E-02		COMB8	5.1312	5.1487	-0.2091	-0.2091	-0.0522	0.0941
	0.70	VIENTO	-9.01E+00	3.61E-01	-1.63E-01		COMB9	-11.2365	-11.2132	0.4987	0.4987	0.1249	-0.2012
	0.00	ESPECTRO	6.64E-01	2.61E-02	6.79E-03		COMB10	-5.9218	-5.9043	0.2868	0.2868	0.0719	-0.1058
	0.70	ESPECTRO	6.64E-01	2.61E-02	1.15E-02								
54	0.00	DEAD	3.49E-01	2.41E-03	1.62E-03	54							
	0.70	DEAD	3.52E-01	2.41E-03	-6.86E-05		COMB1	0.8570	0.8618	0.0068	0.0068	0.0044	-0.0004
	0.00	COBERT	1.37E-01	1.02E-03	6.61E-04		COMB2	1.6127	1.6168	0.0124	0.0124	0.0080	-0.0007
	0.70	COBERT	1.37E-01	1.02E-03	-5.11E-05		COMB3	2.0397	2.0438	0.0155	0.0155	0.0100	-0.0008
	0.00	CORREAS	1.26E-01	1.45E-03	8.44E-04		COMB4	-0.0217	-0.0176	0.0002	0.0002	0.0001	-0.0001
	0.70	CORREAS	1.26E-01	1.45E-03	-1.73E-04		COMB5	1.3689	1.3729	0.0106	0.0106	0.0068	-0.0006
	0.00	VIVA	5.49E-01	4.07E-03	2.64E-03		COMB6	0.1003	0.1044	0.0012	0.0012	0.0007	-0.0001
	0.70	VIVA	5.49E-01	4.07E-03	-2.04E-04		COMB7	1.5816	1.7694	0.0120	0.0135	0.0078	-0.0007
	0.00	VIENTO	7.93E-01	5.88E-03	3.82E-03		COMB8	-0.4798	-0.4767	-0.0033	-0.0033	-0.0022	0.0001
	0.70	VIENTO	7.93E-01	5.88E-03	-2.95E-04		COMB9	1.0866	1.0907	0.0087	0.0087	0.0054	-0.0002
	0.00	ESPECTRO	7.76E-02	8.16E-04	3.67E-04		COMB10	0.6286	0.6316	0.0052	0.0052	0.0032	0.0000
	0.70	ESPECTRO	7.76E-02	8.16E-04	2.42E-04								
	0.00	DEAD	1.91E-01	-1.41E-03	-6.20E-04								
	0.70	DEAD	1.94E-01	-1.41E-03	3.65E-04		COMB1	0.4754	0.4802	-0.0034	-0.0034	-0.0015	0.0009
	0.00	COBERT	8.27E-02	-6.33E-04	-2.71E-04		COMB2	0.9365	0.9406	-0.0070	-0.0070	-0.0030	0.0019
	0.70	COBERT	8.27E-02	-6.33E-04	1.72E-04		COMB3	1.1938	1.1978	-0.0090	-0.0090	-0.0039	0.0024
	0.00	CORREAS	6.61E-02	-4.04E-04	-1.93E-04		COMB4	-0.0481	-0.0440	0.0006	0.0006	0.0002	-0.0002

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO VIGA (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames

ELE.	Stat.	OutputCase	P	V2	M3	ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
Text	m	Text	Ton	Ton	Ton-m								
55	0.70	CORREAS	6.61E-02	-4.04E-04	9.01E-05	55	COMB5	0.7896	0.7937	-0.0059	-0.0059	-0.0026	0.0016
	0.00	VIVA	3.31E-01	-2.53E-03	-1.08E-03		COMB6	0.0254	0.0295	0.0000	0.0000	0.0000	0.0000
	0.70	VIVA	3.31E-01	-2.53E-03	6.90E-04		COMB7	0.9266	1.0325	-0.0070	-0.0077	-0.0030	0.0020
	0.00	VIENTO	4.78E-01	-3.66E-03	-1.56E-03		COMB8	-0.3153	-0.3122	0.0026	0.0026	0.0011	-0.0007
	0.70	VIENTO	4.78E-01	-3.66E-03	9.96E-04		COMB9	0.6307	0.6348	-0.0035	-0.0035	-0.0016	0.0013
	0.00	ESPECTRO	5.78E-02	7.23E-04	2.64E-04		COMB10	0.3635	0.3665	-0.0015	-0.0015	-0.0007	0.0008
	0.70	ESPECTRO	5.78E-02	7.23E-04	2.43E-04								
56	0.00	DEAD	2.11E-01	5.41E-04	1.99E-04								
	0.70	DEAD	2.15E-01	5.41E-04	-1.80E-04		COMB1	0.5517	0.5564	0.0012	0.0012	0.0005	-0.0004
	0.00	COBERT	9.86E-02	1.11E-05	6.38E-06		COMB2	1.1037	1.1078	0.0011	0.0011	0.0004	-0.0004
	0.70	COBERT	9.86E-02	1.11E-05	-1.37E-06		COMB3	1.4105	1.4146	0.0012	0.0012	0.0005	-0.0004
	0.00	CORREAS	8.42E-02	3.30E-04	1.20E-04		COMB4	-0.0705	-0.0664	0.0010	0.0010	0.0004	-0.0003
	0.70	CORREAS	8.42E-02	3.30E-04	-1.10E-04	56	COMB5	0.9285	0.9326	0.0011	0.0011	0.0004	-0.0004
	0.00	VIVA	3.94E-01	4.42E-05	2.55E-05		COMB6	0.0172	0.0213	0.0010	0.0010	0.0004	-0.0003
	0.70	VIVA	3.94E-01	4.42E-05	-5.47E-06		COMB7	1.0951	1.2174	0.0009	0.0011	0.0003	-0.0004
	0.00	VIENTO	5.70E-01	6.39E-05	3.68E-05		COMB8	-0.3858	-0.3828	0.0007	0.0007	0.0002	-0.0003
	0.70	VIENTO	5.70E-01	6.39E-05	-7.90E-06		COMB9	0.7337	0.7378	0.0017	0.0017	0.0006	-0.0002
	0.00	ESPECTRO	6.37E-02	6.07E-04	2.26E-04		COMB10	0.4184	0.4214	0.0014	0.0014	0.0005	-0.0001
	0.70	ESPECTRO	6.37E-02	6.07E-04	1.99E-04								
57	0.00	DEAD	1.85E-01	4.15E-04	1.25E-04								
	0.70	DEAD	1.88E-01	4.15E-04	-1.66E-04		COMB1	0.5068	0.5115	0.0006	0.0006	0.0002	-0.0002
	0.00	COBERT	9.54E-02	-1.52E-04	-6.18E-05		COMB2	1.0451	1.0492	-0.0005	-0.0005	-0.0003	0.0001
	0.70	COBERT	9.54E-02	-1.52E-04	4.47E-05		COMB3	1.3421	1.3462	-0.0010	-0.0010	-0.0005	0.0002
	0.00	CORREAS	8.17E-02	1.47E-04	4.63E-05		COMB4	-0.0916	-0.0875	0.0013	0.0013	0.0005	-0.0005
	0.70	CORREAS	8.17E-02	1.47E-04	-5.66E-05	57	COMB5	0.8755	0.8796	-0.0002	-0.0002	-0.0002	0.0000
	0.00	VIVA	3.82E-01	-6.09E-04	-2.47E-04		COMB6	-0.0068	-0.0027	0.0012	0.0012	0.0004	-0.0004
	0.70	VIVA	3.82E-01	-6.09E-04	1.79E-04		COMB7	1.0426	1.1553	-0.0008	-0.0007	-0.0004	0.0001
	0.00	VIENTO	5.51E-01	-8.80E-04	-3.57E-04		COMB8	-0.3911	-0.3880	0.0015	0.0015	0.0006	-0.0005
	0.70	VIENTO	5.51E-01	-8.80E-04	2.59E-04		COMB9	0.6876	0.6917	0.0008	0.0008	0.0002	0.0001
	0.00	ESPECTRO	6.24E-02	5.80E-04	2.14E-04		COMB10	0.3882	0.3912	0.0009	0.0009	0.0003	0.0000
	0.70	ESPECTRO	6.24E-02	5.80E-04	1.93E-04								
58	0.00	DEAD	1.66E-01	7.80E-04	2.64E-04								
	0.70	DEAD	1.70E-01	7.80E-04	-2.82E-04		COMB1	0.4770	0.4818	0.0013	0.0013	0.0004	-0.0005
	0.00	COBERT	9.21E-02	-7.82E-05	-3.10E-05		COMB2	0.9986	1.0027	0.0006	0.0006	0.0002	-0.0003
	0.70	COBERT	9.21E-02	-7.82E-05	2.37E-05		COMB3	1.2854	1.2895	0.0004	0.0004	0.0001	-0.0002
	0.00	CORREAS	8.22E-02	2.23E-04	7.62E-05		COMB4	-0.0991	-0.0950	0.0015	0.0015	0.0005	-0.0005
	0.70	CORREAS	8.22E-02	2.23E-04	-8.01E-05	58	COMB5	0.8349	0.8390	0.0007	0.0007	0.0002	-0.0003
	0.00	VIVA	3.69E-01	-3.13E-04	-1.24E-04		COMB6	-0.0171	-0.0130	0.0015	0.0015	0.0005	-0.0005
	0.70	VIVA	3.69E-01	-3.13E-04	9.47E-05		COMB7	0.9989	1.1052	0.0002	0.0005	0.0000	-0.0002
	0.00	VIENTO	5.32E-01	-4.52E-04	-1.79E-04		COMB8	-0.3856	-0.3825	0.0014	0.0014	0.0005	-0.0005
	0.70	VIENTO	5.32E-01	-4.52E-04	1.37E-04		COMB9	0.6554	0.6595	0.0015	0.0015	0.0005	-0.0002
	0.00	ESPECTRO	6.22E-02	5.81E-04	2.14E-04		COMB10	0.3689	0.3719	0.0014	0.0014	0.0005	-0.0001
	0.70	ESPECTRO	6.22E-02	5.81E-04	1.93E-04								
59	0.00	DEAD	1.47E-01	8.39E-04	2.89E-04								
	0.70	DEAD	1.50E-01	8.39E-04	-2.98E-04		COMB1	0.4474	0.4521	0.0012	0.0012	0.0004	-0.0004
	0.00	COBERT	9.11E-02	-1.40E-04	-5.21E-05		COMB2	0.9667	0.9708	0.0001	0.0001	0.0000	-0.0001
	0.70	COBERT	9.11E-02	-1.40E-04	4.59E-05		COMB3	1.2504	1.2545	-0.0003	-0.0003	-0.0002	0.0001
	0.00	CORREAS	8.18E-02	1.44E-04	5.00E-05		COMB4	-0.1189	-0.1149	0.0018	0.0018	0.0006	-0.0006
	0.70	CORREAS	8.18E-02	1.44E-04	-5.08E-05	59	COMB5	0.8048	0.8089	0.0004	0.0004	0.0001	-0.0002
	0.00	VIVA	3.65E-01	-5.60E-04	-2.08E-04		COMB6	-0.0379	-0.0338	0.0017	0.0017	0.0006	-0.0006
	0.70	VIVA	3.65E-01	-5.60E-04	1.83E-04		COMB7	0.9723	1.0722	-0.0003	0.0000	-0.0001	0.0000
	0.00	VIENTO	5.27E-01	-8.09E-04	-3.01E-04		COMB8	-0.3971	-0.3940	0.0018	0.0018	0.0006	-0.0006
	0.70	VIENTO	5.27E-01	-8.09E-04	2.65E-04		COMB9	0.6272	0.6313	0.0013	0.0013	0.0005	-0.0001
	0.00	ESPECTRO	6.15E-02	6.02E-04	2.20E-04		COMB10	0.3491	0.3521	0.0014	0.0014	0.0005	-0.0001
	0.70	ESPECTRO	6.15E-02	6.02E-04	2.02E-04								
60	0.00	DEAD	1.28E-01	9.98E-04	3.48E-04								
	0.70	DEAD	1.31E-01	9.98E-04	-3.51E-04		COMB1	0.4196	0.4244	0.0012	0.0012	0.0004	-0.0004
	0.00	COBERT	9.04E-02	-2.06E-04	-7.53E-05		COMB2	0.9380	0.9421	-0.0003	-0.0003	-0.0001	0.0001
	0.70	COBERT	9.04E-02	-2.06E-04	6.90E-05		COMB3	1.2193	1.2233	-0.0009	-0.0009	-0.0004	0.0003
	0.00	CORREAS	8.17E-02	6.06E-05	1.99E-05		COMB4	-0.1385	-0.1344	0.0022	0.0022	0.0008	-0.0007
	0.70	CORREAS	8.17E-02	6.06E-05	-2.26E-05	60	COMB5	0.7774	0.7815	0.0001	0.0001	0.0000	0.0000
	0.00	VIVA	3.61E-01	-8.25E-04	-3.01E-04		COMB6	-0.0581	-0.0540	0.0020	0.0020	0.0007	-0.0007
	0.70	VIVA	3.61E-01	-8.25E-04	2.76E-04		COMB7	0.9486	1.0426	-0.0008	-0.0005	-0.0003	0.0002
	0.00	VIENTO	5.22E-01	-1.19E-03	-4.35E-04		COMB8	-0.4091	-0.4061	0.0023	0.0023	0.0008	-0.0008
	0.70	VIENTO	5.22E-01	-1.19E-03	3.99E-04		COMB9	0.6008	0.6049	0.0013	0.0013	0.0005	0.0000
	0.00	ESPECTRO	6.04E-02	7.03E-04	2.59E-04		COMB10	0.3302	0.3332	0.0015	0.0015	0.0005	0.0000
	0.70	ESPECTRO	6.04E-02	7.03E-04	2.34E-04								
61	0.00	DEAD	1.08E-01	1.12E-03	3.99E-04								
	0.70	DEAD	1.12E-01	1.12E-03	-3.84E-04		COMB1	0.3948	0.3996	0.0017	0.0017	0.0006	-0.0006
	0.00	COBERT	9.06E-02	-1.28E-04	-5.01E-05		COMB2	0.9186	0.9226	0.0006	0.0006	0.0002	-0.0003
	0.70	COBERT	9.06E-02	-1.28E-04	3.97E-05		COMB3	1.2007	1.2048	0.0002	0.0002	0.0000	-0.0001
	0.00	CORREAS	8.32E-02	2.12E-04	6.90E-05		COMB4	-0.1613	-0.1572	0.0022	0.0022	0.0008	-0.0007
	0.70	CORREAS	8.32E-02	2.12E-04	-7.96E-05	61	COMB5	0.7575	0.7616	0.0009	0.0009	0.0003	-0.0003
	0.00	VIVA	3.63E-01	-5.13E-04	-2.00E-04		COMB6	-0.0806	-0.0766	0.0020	0.0020	0.0007	-0.0007
	0.70	VIVA	3.63E-01	-5.13E-04	1.59E-04		COMB7	0.9348	1.0235	0.0001	0.0005	0.0000	-0.0002
	0.00	VIENTO	5.24E-01	-7.41E-04	-2.90E-04		COMB8	-0.4272	-0.4241	0.0020	0.0020	0.0008	-0.0007

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO VIGA (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames

ELE.	Stat.	OutputCase	P	V2	M3	ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
Text	m	Text	Ton	Ton	Ton-m								
	0.70	VIENTO	5.24E-01	-7.41E-04	2.29E-04		COMB9	0.5839	0.5880	0.0017	0.0017	0.0006	-0.0002
	0.00	ESPECTRO	6.42E-02	5.39E-04	1.91E-04		COMB10	0.3180	0.3210	0.0016	0.0016	0.0006	-0.0002
	0.70	ESPECTRO	6.42E-02	5.39E-04	1.88E-04								
	0.00	DEAD	9.17E-02	1.29E-03	4.19E-04								
	0.70	DEAD	9.51E-02	1.29E-03	-4.85E-04		COMB1	0.3319	0.3367	0.0001	0.0001	0.0002	0.0002
	0.00	COBERT	7.92E-02	-6.23E-04	-1.53E-04		COMB2	0.7911	0.7952	-0.0039	-0.0039	-0.0008	0.0020
	0.70	COBERT	7.92E-02	-6.23E-04	2.83E-04		COMB3	1.0374	1.0415	-0.0059	-0.0059	-0.0013	0.0028
	0.00	CORREAS	6.63E-02	-6.24E-04	-1.12E-04		COMB4	-0.1518	-0.1477	0.0035	0.0035	0.0010	-0.0014
62	0.70	CORREAS	6.63E-02	-6.24E-04	3.25E-04	62	COMB5	0.6504	0.6545	-0.0028	-0.0028	-0.0005	0.0015
	0.00	VIVA	3.17E-01	-2.49E-03	-6.14E-04		COMB6	-0.0814	-0.0773	0.0029	0.0029	0.0009	-0.0012
	0.70	VIVA	3.17E-01	-2.49E-03	1.13E-03		COMB7	0.8080	0.8832	-0.0046	-0.0046	-0.0010	0.0023
	0.00	VIENTO	4.57E-01	-3.60E-03	-8.87E-04		COMB8	-0.3812	-0.3782	0.0047	0.0047	0.0013	-0.0020
	0.70	VIENTO	4.57E-01	-3.60E-03	1.63E-03		COMB9	0.4604	0.4645	0.0012	0.0012	0.0005	0.0018
	0.00	ESPECTRO	1.76E-02	2.40E-03	5.83E-04		COMB10	0.2310	0.2341	0.0024	0.0024	0.0007	0.0012
	0.70	ESPECTRO	1.76E-02	2.40E-03	1.10E-03								
	0.00	DEAD	1.11E-01	2.19E-03	6.16E-04								
	0.70	DEAD	1.14E-01	2.19E-03	-9.19E-04		COMB1	0.1875	0.1923	0.0066	0.0066	0.0019	-0.0027
	0.00	COBERT	9.01E-03	1.25E-03	3.48E-04		COMB2	0.2184	0.2225	0.0136	0.0136	0.0038	-0.0057
	0.70	COBERT	9.01E-03	1.25E-03	-5.24E-04		COMB3	0.2465	0.2505	0.0175	0.0175	0.0049	-0.0073
	0.00	CORREAS	1.43E-02	1.24E-03	3.61E-04		COMB4	0.1110	0.1151	-0.0013	-0.0013	-0.0003	0.0005
63	0.70	CORREAS	1.43E-02	1.24E-03	-5.07E-04	63	COMB5	0.2024	0.2065	0.0114	0.0114	0.0032	-0.0048
	0.00	VIVA	3.61E-02	4.99E-03	1.39E-03		COMB6	0.1191	0.1231	-0.0001	-0.0001	0.0000	0.0001
	0.70	VIVA	3.61E-02	4.99E-03	-2.10E-03		COMB7	0.1882	0.2325	0.0136	0.0150	0.0038	-0.0063
	0.00	VIENTO	5.21E-02	7.20E-03	2.01E-03		COMB8	0.0528	0.0559	-0.0052	-0.0052	-0.0014	0.0022
	0.70	VIENTO	5.21E-02	7.20E-03	-3.03E-03		COMB9	0.1957	0.1998	0.0110	0.0110	0.0030	-0.0020
	0.00	ESPECTRO	1.69E-02	2.93E-03	7.12E-04		COMB10	0.1375	0.1405	0.0071	0.0071	0.0019	-0.0004
	0.70	ESPECTRO	1.69E-02	2.93E-03	1.34E-03								
	0.00	DEAD	1.06E-01	-2.57E-05	1.16E-04								
	0.70	DEAD	1.09E-01	-2.57E-05	1.34E-04		COMB1	0.1875	0.1923	0.0014	0.0014	0.0008	-0.0002
	0.00	COBERT	1.47E-02	2.76E-04	1.56E-04		COMB2	0.2549	0.2590	0.0030	0.0030	0.0017	-0.0004
	0.70	COBERT	1.47E-02	2.76E-04	-3.69E-05		COMB3	0.3008	0.3048	0.0038	0.0038	0.0022	-0.0005
	0.00	CORREAS	1.32E-02	7.71E-04	2.85E-04		COMB4	0.0796	0.0837	-0.0003	-0.0003	-0.0002	0.0000
64	0.70	CORREAS	1.32E-02	7.71E-04	-2.55E-04	64	COMB5	0.2288	0.2329	0.0025	0.0025	0.0014	-0.0004
	0.00	VIVA	5.89E-02	1.10E-03	6.25E-04		COMB6	0.0927	0.0968	0.0000	0.0000	-0.0001	0.0000
	0.70	VIVA	5.89E-02	1.10E-03	-1.48E-04		COMB7	0.2311	0.2754	0.0030	0.0033	0.0017	-0.0005
	0.00	VIENTO	8.51E-02	1.59E-03	9.02E-04		COMB8	0.0100	0.0130	-0.0012	-0.0012	-0.0007	0.0001
	0.70	VIENTO	8.51E-02	1.59E-03	-2.13E-04		COMB9	0.2237	0.2278	0.0032	0.0032	0.0013	0.0004
	0.00	ESPECTRO	3.36E-02	1.44E-03	2.99E-04		COMB10	0.1541	0.1572	0.0024	0.0024	0.0008	0.0006
	0.70	ESPECTRO	3.36E-02	1.44E-03	7.08E-04								
	0.00	DEAD	8.51E-02	1.23E-03	4.22E-04								
	0.70	DEAD	8.85E-02	1.23E-03	-4.41E-04		COMB1	0.1551	0.1598	0.0037	0.0037	0.0013	-0.0013
	0.00	COBERT	1.28E-02	6.52E-04	2.34E-04		COMB2	0.2146	0.2187	0.0073	0.0073	0.0026	-0.0025
	0.70	COBERT	1.28E-02	6.52E-04	-2.22E-04		COMB3	0.2544	0.2585	0.0094	0.0094	0.0033	-0.0032
	0.00	CORREAS	1.29E-02	7.59E-04	2.78E-04		COMB4	0.0625	0.0666	-0.0004	-0.0004	-0.0002	0.0001
65	0.70	CORREAS	1.29E-02	7.59E-04	-2.53E-04	65	COMB5	0.1919	0.1960	0.0062	0.0062	0.0022	-0.0021
	0.00	VIVA	5.11E-02	2.61E-03	9.36E-04		COMB6	0.0739	0.0780	0.0002	0.0002	0.0000	-0.0001
	0.70	VIVA	5.11E-02	2.61E-03	-8.89E-04		COMB7	0.1956	0.2329	0.0073	0.0081	0.0026	-0.0028
	0.00	VIENTO	7.38E-02	3.76E-03	1.35E-03		COMB8	0.0038	0.0068	-0.0025	-0.0025	-0.0009	0.0008
	0.70	VIENTO	7.38E-02	3.76E-03	-1.28E-03		COMB9	0.1859	0.1900	0.0048	0.0048	0.0017	-0.0014
	0.00	ESPECTRO	2.75E-02	3.38E-04	9.47E-05		COMB10	0.1272	0.1302	0.0027	0.0027	0.0009	-0.0007
	0.70	ESPECTRO	2.75E-02	3.38E-04	1.45E-04								
	0.00	DEAD	6.66E-02	1.19E-03	4.24E-04								
	0.70	DEAD	7.00E-02	1.19E-03	-4.08E-04		COMB1	0.1288	0.1336	0.0035	0.0035	0.0013	-0.0012
	0.00	COBERT	1.24E-02	5.77E-04	2.13E-04		COMB2	0.1900	0.1941	0.0067	0.0067	0.0024	-0.0022
	0.70	COBERT	1.24E-02	5.77E-04	-1.91E-04		COMB3	0.2287	0.2328	0.0085	0.0085	0.0031	-0.0028
	0.00	CORREAS	1.29E-02	7.09E-04	2.58E-04		COMB4	0.0419	0.0460	-0.0002	-0.0002	-0.0001	0.0000
66	0.70	CORREAS	1.29E-02	7.09E-04	-2.38E-04	66	COMB5	0.1679	0.1720	0.0056	0.0056	0.0021	-0.0019
	0.00	VIVA	4.98E-02	2.31E-03	8.53E-04		COMB6	0.0529	0.0570	0.0003	0.0003	0.0001	-0.0001
	0.70	VIVA	4.98E-02	2.31E-03	-7.63E-04		COMB7	0.1763	0.2079	0.0066	0.0073	0.0024	-0.0024
	0.00	VIENTO	7.19E-02	3.33E-03	1.23E-03		COMB8	-0.0106	-0.0076	-0.0021	-0.0021	-0.0008	0.0007
	0.70	VIENTO	7.19E-02	3.33E-03	-1.10E-03		COMB9	0.1618	0.1659	0.0043	0.0043	0.0016	-0.0013
	0.00	ESPECTRO	2.65E-02	1.78E-04	6.31E-05		COMB10	0.1093	0.1124	0.0024	0.0024	0.0009	-0.0007
	0.70	ESPECTRO	2.65E-02	1.78E-04	6.15E-05								
	0.00	DEAD	4.84E-02	1.81E-03	6.66E-04								
	0.70	DEAD	5.18E-02	1.81E-03	-6.02E-04		COMB1	0.1030	0.1078	0.0048	0.0048	0.0018	-0.0016
	0.00	COBERT	1.19E-02	7.39E-04	2.79E-04		COMB2	0.1647	0.1688	0.0089	0.0089	0.0033	-0.0029
	0.70	COBERT	1.19E-02	7.39E-04	-2.38E-04		COMB3	0.2019	0.2060	0.0112	0.0112	0.0042	-0.0036
	0.00	CORREAS	1.32E-02	8.85E-04	3.31E-04		COMB4	0.0225	0.0266	0.0000	0.0000	0.0000	0.0000
67	0.70	CORREAS	1.32E-02	8.85E-04	-2.88E-04	67	COMB5	0.1435	0.1476	0.0075	0.0075	0.0028	-0.0025
	0.00	VIVA	4.78E-02	2.96E-03	1.12E-03		COMB6	0.0331	0.0372	0.0007	0.0007	0.0002	-0.0003
	0.70	VIVA	4.78E-02	2.96E-03	-9.52E-04		COMB7	0.1560	0.1821	0.0086	0.0097	0.0032	-0.0031
	0.00	VIENTO	6.90E-02	4.27E-03	1.61E-03		COMB8	-0.0235	-0.0204	-0.0025	-0.0025	-0.0010	0.0008
	0.70	VIENTO	6.90E-02	4.27E-03	-1.38E-03		COMB9	0.1364	0.1405	0.0059	0.0059	0.0022	-0.0017
	0.00	ESPECTRO	2.42E-02	3.07E-04	1.15E-04		COMB10	0.0904	0.0935	0.0034	0.0034	0.0013	-0.0009
	0.70	ESPECTRO	2.42E-02	3.07E-04	9.96E-05								
	0.00	DEAD	1.38E-02	-2.21E-04	-7.26E-05								

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO VIGA (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames

ELE.	Stat.	OutputCase	P	V2	M3	ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
Text	m	Text	Ton	Ton	Ton-m								
68	0.70	DEAD	1.72E-02	-2.21E-04	8.20E-05	68	COMB1	0.0294	0.0342	-0.0005	-0.0005	-0.0002	0.0002
	0.00	COBERT	3.26E-03	-7.24E-05	-2.38E-05		COMB2	0.0461	0.0502	-0.0009	-0.0009	-0.0003	0.0003
	0.70	COBERT	3.26E-03	-7.24E-05	2.69E-05		COMB3	0.0562	0.0603	-0.0012	-0.0012	-0.0004	0.0004
	0.00	CORREAS	3.95E-03	-9.58E-05	-3.15E-05		COMB4	0.0073	0.0113	-0.0001	-0.0001	0.0000	0.0000
	0.70	CORREAS	3.95E-03	-9.58E-05	3.56E-05		COMB5	0.0403	0.0444	-0.0008	-0.0008	-0.0003	0.0003
	0.00	VIVA	1.30E-02	-2.90E-04	-9.53E-05		COMB6	0.0102	0.0142	-0.0001	-0.0001	0.0000	0.0000
	0.70	VIVA	1.30E-02	-2.90E-04	1.07E-04		COMB7	0.0434	0.0538	-0.0009	-0.0010	-0.0003	0.0004
	0.00	VIENTO	1.88E-02	-4.19E-04	-1.38E-04		COMB8	-0.0056	-0.0025	0.0002	0.0002	0.0001	-0.0001
	0.70	VIENTO	1.88E-02	-4.19E-04	1.55E-04		COMB9	0.0346	0.0387	-0.0004	-0.0004	-0.0001	0.0003
	0.00	ESPECTRO	2.88E-03	1.67E-04	5.49E-05		COMB10	0.0218	0.0249	-0.0002	-0.0002	-0.0001	0.0002
	0.70	ESPECTRO	2.88E-03	1.67E-04	6.21E-05								
69	0.00	DEAD	-6.79E-03	-2.36E-03	-8.53E-04	69							
	0.70	DEAD	-3.39E-03	-2.36E-03	8.00E-04		COMB1	-0.0332	-0.0284	-0.0062	-0.0062	-0.0022	0.0021
	0.00	COBERT	-6.18E-03	-9.18E-04	-3.40E-04		COMB2	-0.0680	-0.0639	-0.0112	-0.0112	-0.0041	0.0037
	0.70	COBERT	-6.18E-03	-9.18E-04	3.03E-04		COMB3	-0.0872	-0.0831	-0.0140	-0.0140	-0.0052	0.0047
	0.00	CORREAS	-1.07E-02	-1.12E-03	-4.12E-04		COMB4	0.0056	0.0097	-0.0002	-0.0002	-0.0001	0.0001
	0.70	CORREAS	-1.07E-02	-1.12E-03	3.75E-04		COMB5	-0.0570	-0.0529	-0.0095	-0.0095	-0.0035	0.0032
	0.00	VIVA	-2.47E-02	-3.67E-03	-1.36E-03		COMB6	0.0001	0.0042	-0.0010	-0.0010	-0.0004	0.0004
	0.70	VIVA	-2.47E-02	-3.67E-03	1.21E-03		COMB7	-0.0677	-0.0707	-0.0109	-0.0122	-0.0040	0.0040
	0.00	VIENTO	-3.57E-02	-5.31E-03	-1.96E-03		COMB8	0.0251	0.0281	0.0029	0.0029	0.0011	-0.0009
	0.70	VIENTO	-3.57E-02	-5.31E-03	1.75E-03		COMB9	-0.0225	-0.0184	-0.0064	-0.0064	-0.0023	0.0026
	0.00	ESPECTRO	1.83E-02	7.15E-04	2.56E-04		COMB10	-0.0030	0.0001	-0.0032	-0.0032	-0.0012	0.0016
	0.70	ESPECTRO	1.83E-02	7.15E-04	2.44E-04								
70	0.00	DEAD	1.24E-02	-1.73E-03	-6.46E-04	70							
	0.70	DEAD	1.58E-02	-1.73E-03	5.63E-04		COMB1	-0.0046	0.0001	-0.0048	-0.0048	-0.0018	0.0015
	0.00	COBERT	-5.20E-03	-7.39E-04	-2.83E-04		COMB2	-0.0372	-0.0331	-0.0088	-0.0088	-0.0033	0.0028
	0.70	COBERT	-5.20E-03	-7.39E-04	2.34E-04		COMB3	-0.0534	-0.0493	-0.0111	-0.0111	-0.0042	0.0036
	0.00	CORREAS	-1.06E-02	-9.40E-04	-3.53E-04		COMB4	0.0247	0.0287	0.0000	0.0000	0.0000	0.0000
	0.70	CORREAS	-1.06E-02	-9.40E-04	3.05E-04		COMB5	-0.0280	-0.0239	-0.0075	-0.0075	-0.0028	0.0024
	0.00	VIVA	-2.08E-02	-2.96E-03	-1.13E-03		COMB6	0.0200	0.0241	-0.0007	-0.0007	-0.0002	0.0002
	0.70	VIVA	-2.08E-02	-2.96E-03	9.37E-04		COMB7	-0.0420	-0.0389	-0.0086	-0.0096	-0.0033	0.0031
	0.00	VIENTO	-3.00E-02	-4.27E-03	-1.63E-03		COMB8	0.0360	0.0391	0.0025	0.0025	0.0010	-0.0008
	0.70	VIENTO	-3.00E-02	-4.27E-03	1.35E-03		COMB9	0.0023	0.0064	-0.0049	-0.0049	-0.0019	0.0020
	0.00	ESPECTRO	1.67E-02	6.44E-04	2.33E-04		COMB10	0.0137	0.0167	-0.0024	-0.0024	-0.0009	0.0012
	0.70	ESPECTRO	1.67E-02	6.44E-04	2.18E-04								
71	0.00	DEAD	2.23E-02	-2.61E-03	-7.50E-04	71							
	0.70	DEAD	2.57E-02	-2.61E-03	1.07E-03		COMB1	-0.0004	0.0043	-0.0073	-0.0073	-0.0021	0.0029
	0.00	COBERT	-8.48E-03	-1.19E-03	-3.55E-04		COMB2	-0.0546	-0.0505	-0.0138	-0.0138	-0.0041	0.0056
	0.70	COBERT	-8.48E-03	-1.19E-03	4.79E-04		COMB3	-0.0810	-0.0769	-0.0176	-0.0176	-0.0052	0.0071
	0.00	CORREAS	-1.42E-02	-1.38E-03	-4.29E-04		COMB4	0.0463	0.0504	0.0004	0.0004	0.0001	-0.0001
	0.70	CORREAS	-1.42E-02	-1.38E-03	5.40E-04		COMB5	-0.0396	-0.0355	-0.0117	-0.0117	-0.0035	0.0047
	0.00	VIVA	-3.39E-02	-4.77E-03	-1.42E-03		COMB6	0.0388	0.0429	-0.0007	-0.0007	-0.0002	0.0003
	0.70	VIVA	-3.39E-02	-4.77E-03	1.92E-03		COMB7	-0.0640	-0.0600	-0.0136	-0.0152	-0.0040	0.0061
	0.00	VIENTO	-4.90E-02	-6.89E-03	-2.05E-03		COMB8	0.0634	0.0664	0.0043	0.0043	0.0013	-0.0017
	0.70	VIENTO	-4.90E-02	-6.89E-03	2.77E-03		COMB9	-0.0036	0.0005	-0.0080	-0.0080	-0.0023	0.0037
	0.00	ESPECTRO	1.37E-02	6.14E-04	2.26E-04		COMB10	0.0134	0.0165	-0.0041	-0.0041	-0.0012	0.0021
	0.70	ESPECTRO	1.37E-02	6.14E-04	2.08E-04								
72	0.00	DEAD	8.39E-02	5.67E-03	9.64E-04	72							
	0.70	DEAD	8.73E-02	5.67E-03	-3.00E-03		COMB1	0.1360	0.1408	0.0133	0.0133	0.0021	-0.0072
	0.00	COBERT	1.05E-02	2.13E-03	3.16E-04		COMB2	0.1835	0.1876	0.0250	0.0250	0.0038	-0.0137
	0.70	COBERT	1.05E-02	2.13E-03	-1.18E-03		COMB3	0.2161	0.2202	0.0317	0.0317	0.0048	-0.0174
	0.00	CORREAS	2.74E-03	1.68E-03	1.90E-04		COMB4	0.0589	0.0630	-0.0004	-0.0004	0.0000	0.0003
	0.70	CORREAS	2.74E-03	1.68E-03	-9.83E-04		COMB5	0.1649	0.1690	0.0212	0.0212	0.0032	-0.0116
	0.00	VIVA	4.18E-02	8.53E-03	1.27E-03		COMB6	0.0682	0.0723	0.0015	0.0015	0.0003	-0.0008
	0.70	VIVA	4.18E-02	8.53E-03	-4.71E-03		COMB7	0.1660	0.1993	0.0246	0.0274	0.0037	-0.0150
	0.00	VIENTO	6.05E-02	1.23E-02	1.83E-03		COMB8	0.0089	0.0119	-0.0075	-0.0075	-0.0011	0.0042
	0.70	VIENTO	6.05E-02	1.23E-02	-6.80E-03		COMB9	0.1527	0.1568	0.0167	0.0167	0.0027	-0.0081
	0.00	ESPECTRO	1.52E-02	1.08E-03	2.76E-04		COMB10	0.1027	0.1057	0.0096	0.0096	0.0016	-0.0042
	0.70	ESPECTRO	1.52E-02	1.08E-03	4.88E-04								
73	0.00	DEAD	-3.44E-01	-2.32E-02	-5.67E-03	73							
	0.70	DEAD	-3.39E-01	-2.32E-02	1.06E-02		COMB1	-0.9686	-0.9615	-0.0601	-0.0601	-0.0148	0.0273
	0.00	COBERT	-1.77E-01	-9.97E-03	-2.46E-03		COMB2	-1.9650	-1.9589	-0.1153	-0.1153	-0.0284	0.0523
	0.70	COBERT	-1.77E-01	-9.97E-03	4.52E-03		COMB3	-2.5168	-2.5107	-0.1463	-0.1463	-0.0361	0.0664
	0.00	CORREAS	-1.71E-01	-9.74E-03	-2.42E-03		COMB4	0.1471	0.1532	0.0034	0.0034	0.0009	-0.0015
	0.70	CORREAS	-1.71E-01	-9.74E-03	4.40E-03		COMB5	-1.6499	-1.6438	-0.0976	-0.0976	-0.0240	0.0443
	0.00	VIVA	-7.09E-01	-3.99E-02	-9.84E-03		COMB6	-0.0106	-0.0045	-0.0054	-0.0054	-0.0013	0.0025
	0.70	VIVA	-7.09E-01	-3.99E-02	1.81E-02		COMB7	-1.9546	-2.1561	-0.1135	-0.1264	-0.0280	0.0573
	0.00	VIENTO	-1.02E+00	-5.76E-02	-1.42E-02		COMB8	0.7092	0.7138	0.0363	0.0363	0.0090	-0.0164
	0.70	VIENTO	-1.02E+00	-5.76E-02	2.61E-02		COMB9	-1.1363	-1.1302	-0.0687	-0.0687	-0.0169	0.0337
	0.00	ESPECTRO	4.85E-02	2.78E-03	6.77E-04		COMB10	-0.5741	-0.5696	-0.0359	-0.0359	-0.0088	0.0188
	0.70	ESPECTRO	4.85E-02	2.78E-03	1.27E-03								
	0.00	DEAD	-3.28E-01	7.81E-03	1.77E-03								
	0.70	DEAD	-3.25E-01	7.81E-03	-3.70E-03		COMB1	-0.7694	-0.7646	0.0220	0.0220	0.0051	-0.0103
	0.00	COBERT	-1.07E-01	4.11E-03	9.76E-04		COMB2	-1.3458	-1.3417	0.0452	0.0452	0.0106	-0.0210
	0.70	COBERT	-1.07E-01	4.11E-03	-1.90E-03		COMB3	-1.6795	-1.6754	0.0580	0.0580	0.0136	-0.0270
	0.00	CORREAS	-1.14E-01	3.78E-03	8.62E-04		COMB4	-0.0684	-0.0643	-0.0038	-0.0038	-0.0011	0.0016

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO VIGA (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames

ELE.	Stat.	OutputCase	P	V2	M3	ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
Text	m	Text	Ton	Ton	Ton-m								
74	0.70	CORREAS	-1.14E-01	3.78E-03	-1.78E-03	74	COMB5	-1.1552	-1.1511	0.0379	0.0379	0.0088	-0.0177
	0.00	VIVA	-4.29E-01	1.64E-02	3.90E-03		COMB6	-0.1638	-0.1597	-0.0002	-0.0002	-0.0002	-0.0001
	0.70	VIVA	-4.29E-01	1.64E-02	-7.61E-03		COMB7	-1.3002	-1.4610	0.0450	0.0497	0.0106	-0.0232
	0.00	VIENTO	-6.20E-01	2.38E-02	5.64E-03		COMB8	0.3109	0.3140	-0.0168	-0.0168	-0.0041	0.0076
	0.70	VIENTO	-6.20E-01	2.38E-02	-1.10E-02		COMB9	-0.8308	-0.8267	0.0285	0.0285	0.0066	-0.0120
	0.00	ESPECTRO	4.31E-02	1.41E-03	3.56E-04		COMB10	-0.4515	-0.4484	0.0155	0.0155	0.0036	-0.0060
	0.70	ESPECTRO	4.31E-02	1.41E-03	6.36E-04								
75	0.00	DEAD	1.01E-01	-3.21E-03	-1.20E-03	75							
	0.70	DEAD	1.04E-01	-3.21E-03	1.05E-03		COMB1	0.3462	0.3510	-0.0074	-0.0074	-0.0028	0.0024
	0.00	COBERT	7.79E-02	-8.85E-04	-3.55E-04		COMB2	0.7955	0.7995	-0.0120	-0.0120	-0.0047	0.0037
	0.70	COBERT	7.79E-02	-8.85E-04	2.64E-04		COMB3	1.0380	1.0421	-0.0148	-0.0148	-0.0058	0.0045
	0.00	CORREAS	6.88E-02	-1.20E-03	-4.60E-04		COMB4	-0.1328	-0.1287	-0.0015	-0.0015	-0.0005	0.0006
	0.70	CORREAS	6.88E-02	-1.20E-03	3.78E-04		COMB5	0.6570	0.6611	-0.0104	-0.0104	-0.0041	0.0033
	0.00	VIVA	3.12E-01	-3.54E-03	-1.42E-03		COMB6	-0.0635	-0.0594	-0.0023	-0.0023	-0.0008	0.0008
	0.70	VIVA	3.12E-01	-3.54E-03	1.06E-03		COMB7	0.8080	0.8862	-0.0114	-0.0130	-0.0045	0.0040
	0.00	VIENTO	4.50E-01	-5.11E-03	-2.05E-03		COMB8	-0.3628	-0.3598	0.0019	0.0019	0.0009	-0.0005
	0.70	VIENTO	4.50E-01	-5.11E-03	1.53E-03		COMB9	0.4744	0.4785	-0.0075	-0.0075	-0.0029	0.0028
	0.00	ESPECTRO	2.18E-02	5.95E-04	2.09E-04		COMB10	0.2443	0.2474	-0.0042	-0.0042	-0.0016	0.0017
	0.70	ESPECTRO	2.18E-02	5.95E-04	2.07E-04								
76	0.00	DEAD	9.66E-02	1.24E-04	3.35E-05	76							
	0.70	DEAD	1.00E-01	1.24E-04	-5.34E-05		COMB1	0.3144	0.3192	0.0012	0.0012	0.0004	-0.0005
	0.00	COBERT	6.89E-02	5.30E-04	1.69E-04		COMB2	0.7104	0.7145	0.0044	0.0044	0.0014	-0.0017
	0.70	COBERT	6.89E-02	5.30E-04	-2.02E-04		COMB3	0.9248	0.9289	0.0061	0.0061	0.0019	-0.0023
	0.00	CORREAS	5.91E-02	2.03E-04	5.68E-05		COMB4	-0.1103	-0.1062	-0.0019	-0.0019	-0.0006	0.0007
	0.70	CORREAS	5.91E-02	2.03E-04	-8.51E-05		COMB5	0.5880	0.5920	0.0035	0.0035	0.0011	-0.0013
	0.00	VIVA	2.76E-01	2.12E-03	6.77E-04		COMB6	-0.0490	-0.0449	-0.0014	-0.0014	-0.0005	0.0005
	0.70	VIVA	2.76E-01	2.12E-03	-8.08E-04		COMB7	0.7196	0.7911	0.0048	0.0050	0.0015	-0.0019
	0.00	VIENTO	3.98E-01	3.06E-03	9.78E-04		COMB8	-0.3154	-0.3124	-0.0032	-0.0032	-0.0010	0.0012
	0.70	VIENTO	3.98E-01	3.06E-03	-1.17E-03		COMB9	0.4246	0.4287	0.0027	0.0027	0.0009	-0.0006
	0.00	ESPECTRO	1.74E-02	6.42E-04	2.29E-04		COMB10	0.2195	0.2226	0.0014	0.0014	0.0005	-0.0001
	0.70	ESPECTRO	1.74E-02	6.42E-04	2.21E-04								
77	0.00	DEAD	1.16E-01	-2.60E-04	-1.29E-04	77							
	0.70	DEAD	1.19E-01	-2.60E-04	5.34E-05		COMB1	0.3453	0.3501	-0.0001	-0.0001	-0.0002	-0.0001
	0.00	COBERT	7.06E-02	2.50E-04	6.00E-05		COMB2	0.7479	0.7520	0.0015	0.0015	0.0002	-0.0008
	0.70	COBERT	7.06E-02	2.50E-04	-1.15E-04		COMB3	0.9677	0.9718	0.0023	0.0023	0.0004	-0.0012
	0.00	CORREAS	6.02E-02	-6.68E-05	-4.87E-05		COMB4	-0.0932	-0.0892	-0.0015	-0.0015	-0.0005	0.0006
	0.70	CORREAS	6.02E-02	-6.68E-05	-1.94E-06		COMB5	0.6224	0.6265	0.0011	0.0011	0.0001	-0.0006
	0.00	VIVA	2.82E-01	9.99E-04	2.40E-04		COMB6	-0.0304	-0.0264	-0.0012	-0.0012	-0.0004	0.0005
	0.70	VIVA	2.82E-01	9.99E-04	-4.59E-04		COMB7	0.7525	0.8306	0.0018	0.0018	0.0003	-0.0009
	0.00	VIENTO	4.08E-01	1.44E-03	3.47E-04		COMB8	-0.3085	-0.3054	-0.0019	-0.0019	-0.0006	0.0008
	0.70	VIENTO	4.08E-01	1.44E-03	-6.63E-04		COMB9	0.4524	0.4565	0.0009	0.0009	0.0002	-0.0001
	0.00	ESPECTRO	1.52E-02	5.35E-04	1.89E-04		COMB10	0.2372	0.2403	0.0005	0.0005	0.0001	0.0001
	0.70	ESPECTRO	1.52E-02	5.35E-04	1.86E-04								
78	0.00	DEAD	1.33E-01	-5.20E-05	-4.51E-05	78							
	0.70	DEAD	1.36E-01	-5.20E-05	-8.71E-06		COMB1	0.3695	0.3743	0.0002	0.0002	0.0000	-0.0002
	0.00	COBERT	7.12E-02	2.64E-04	7.01E-05		COMB2	0.7723	0.7764	0.0019	0.0019	0.0004	-0.0009
	0.70	COBERT	7.12E-02	2.64E-04	-1.15E-04		COMB3	0.9938	0.9979	0.0027	0.0027	0.0006	-0.0012
	0.00	CORREAS	6.01E-02	-5.99E-05	-4.07E-05		COMB4	-0.0756	-0.0715	-0.0013	-0.0013	-0.0004	0.0005
	0.70	CORREAS	6.01E-02	-5.99E-05	1.24E-06		COMB5	0.6458	0.6499	0.0014	0.0014	0.0003	-0.0007
	0.00	VIVA	2.85E-01	1.06E-03	2.80E-04		COMB6	-0.0123	-0.0082	-0.0010	-0.0010	-0.0003	0.0004
	0.70	VIVA	2.85E-01	1.06E-03	-4.60E-04		COMB7	0.7723	0.8555	0.0021	0.0022	0.0005	-0.0010
	0.00	VIENTO	4.11E-01	1.53E-03	4.05E-04		COMB8	-0.2971	-0.2941	-0.0018	-0.0018	-0.0005	0.0008
	0.70	VIENTO	4.11E-01	1.53E-03	-6.64E-04		COMB9	0.4718	0.4759	0.0012	0.0012	0.0003	-0.0002
	0.00	ESPECTRO	1.27E-02	4.85E-04	1.73E-04		COMB10	0.2503	0.2534	0.0006	0.0006	0.0002	0.0001
	0.70	ESPECTRO	1.27E-02	4.85E-04	1.67E-04								
79	0.00	DEAD	1.51E-01	-2.66E-05	-5.25E-05	79							
	0.70	DEAD	1.54E-01	-2.66E-05	-3.38E-05		COMB1	0.4014	0.4062	0.0001	0.0001	-0.0001	-0.0002
	0.00	COBERT	7.54E-02	2.01E-04	4.26E-05		COMB2	0.8269	0.8310	0.0013	0.0013	0.0002	-0.0008
	0.70	COBERT	7.54E-02	2.01E-04	-9.85E-05		COMB3	1.0617	1.0658	0.0020	0.0020	0.0003	-0.0011
	0.00	CORREAS	6.05E-02	-1.27E-04	-7.00E-05		COMB4	-0.0718	-0.0677	-0.0011	-0.0011	-0.0003	0.0004
	0.70	CORREAS	6.05E-02	-1.27E-04	1.86E-05		COMB5	0.6928	0.6969	0.0010	0.0010	0.0001	-0.0006
	0.00	VIVA	3.02E-01	8.06E-04	1.70E-04		COMB6	-0.0047	-0.0006	-0.0009	-0.0009	-0.0003	0.0003
	0.70	VIVA	3.02E-01	8.06E-04	-3.94E-04		COMB7	0.8248	0.9149	0.0016	0.0016	0.0002	-0.0009
	0.00	VIENTO	4.36E-01	1.16E-03	2.46E-04		COMB8	-0.3087	-0.3057	-0.0015	-0.0015	-0.0004	0.0006
	0.70	VIENTO	4.36E-01	1.16E-03	-5.69E-04		COMB9	0.5052	0.5093	0.0009	0.0009	0.0001	-0.0002
	0.00	ESPECTRO	1.02E-02	4.47E-04	1.60E-04		COMB10	0.2683	0.2713	0.0005	0.0005	0.0001	0.0001
	0.70	ESPECTRO	1.02E-02	4.47E-04	1.53E-04								
80	0.00	DEAD	1.62E-01	-7.86E-04	-1.53E-04	80							
	0.70	DEAD	1.66E-01	-7.86E-04	3.98E-04		COMB1	0.4125	0.4173	-0.0021	-0.0021	-0.0004	0.0010
	0.00	COBERT	7.39E-02	-1.93E-04	-2.61E-05		COMB2	0.8268	0.8309	-0.0030	-0.0030	-0.0005	0.0016
	0.70	COBERT	7.39E-02	-1.93E-04	1.09E-04		COMB3	1.0569	1.0610	-0.0036	-0.0036	-0.0006	0.0019
	0.00	CORREAS	5.82E-02	-5.06E-04	-1.32E-04		COMB4	-0.0540	-0.0499	-0.0007	-0.0007	-0.0002	0.0003
	0.70	CORREAS	5.82E-02	-5.06E-04	2.22E-04		COMB5	0.6954	0.6995	-0.0027	-0.0027	-0.0005	0.0014
	0.00	VIVA	2.96E-01	-7.72E-04	-1.05E-04		COMB6	0.0118	0.0158	-0.0009	-0.0009	-0.0003	0.0004
	0.70	VIVA	2.96E-01	-7.72E-04	4.36E-04		COMB7	0.8206	0.9131	-0.0028	-0.0032	-0.0005	0.0017
	0.00	VIENTO	4.27E-01	-1.12E-03	-1.51E-04		COMB8	-0.2903	-0.2872	0.0001	0.0001	-0.0001	-0.0002

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO VIGA (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames

ELE.	Stat.	OutputCase	P	V2	M3	ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
Text	m	Text	Ton	Ton	Ton-m								
	0.70	VIENTO	4.27E-01	-1.12E-03	6.29E-04		COMB9	0.5093	0.5133	-0.0017	-0.0017	-0.0003	0.0013
	0.00	ESPECTRO	7.79E-03	4.59E-04	1.58E-04		COMB10	0.2730	0.2760	-0.0009	-0.0009	-0.0001	0.0008
	0.70	ESPECTRO	7.79E-03	4.59E-04	1.64E-04								
	0.00	DEAD	2.12E-01	6.05E-03	9.67E-04								
	0.70	DEAD	2.15E-01	6.05E-03	-3.27E-03		COMB1	0.5217	0.5264	0.0152	0.0152	0.0023	-0.0083
	0.00	COBERT	8.82E-02	2.49E-03	3.88E-04		COMB2	1.0119	1.0160	0.0289	0.0289	0.0045	-0.0158
	0.70	COBERT	8.82E-02	2.49E-03	-1.36E-03		COMB3	1.2865	1.2906	0.0367	0.0367	0.0057	-0.0200
	0.00	CORREAS	7.24E-02	2.28E-03	3.01E-04		COMB4	-0.0393	-0.0352	-0.0007	-0.0007	-0.0002	0.0004
81	0.70	CORREAS	7.24E-02	2.28E-03	-1.30E-03	81	COMB5	0.8551	0.8592	0.0245	0.0245	0.0038	-0.0134
	0.00	VIVA	3.53E-01	9.96E-03	1.55E-03		COMB6	0.0392	0.0433	0.0015	0.0015	0.0002	-0.0008
	0.70	VIVA	3.53E-01	9.96E-03	-5.42E-03		COMB7	0.9983	1.1141	0.0285	0.0317	0.0044	-0.0173
	0.00	VIENTO	5.10E-01	1.44E-02	2.24E-03		COMB8	-0.3276	-0.3245	-0.0090	-0.0090	-0.0014	0.0049
	0.70	VIENTO	5.10E-01	1.44E-02	-7.83E-03		COMB9	0.6299	0.6340	0.0184	0.0184	0.0029	-0.0096
	0.00	ESPECTRO	6.28E-03	4.20E-04	1.13E-04		COMB10	0.3416	0.3447	0.0102	0.0102	0.0016	-0.0051
	0.70	ESPECTRO	6.28E-03	4.20E-04	2.17E-04								
	0.00	DEAD	-1.38E-01	-6.14E-02	-1.04E-02								
	0.70	DEAD	-1.32E-01	-6.14E-02	3.26E-02		COMB1	-0.4096	-0.4007	-0.1596	-0.1596	-0.0271	0.0846
	0.00	COBERT	-6.62E-02	-2.57E-02	-4.34E-03		COMB2	-0.7747	-0.7671	-0.3011	-0.3011	-0.0510	0.1597
	0.70	COBERT	-6.62E-02	-2.57E-02	1.36E-02		COMB3	-0.9807	-0.9731	-0.3809	-0.3809	-0.0646	0.2021
	0.00	CORREAS	-8.82E-02	-2.69E-02	-4.59E-03		COMB4	0.0137	0.0214	0.0047	0.0047	0.0007	-0.0025
	0.70	CORREAS	-8.82E-02	-2.69E-02	1.42E-02		COMB5	-0.6571	-0.6495	-0.2555	-0.2555	-0.0433	0.1355
82	0.00	VIVA	-2.65E-01	-1.03E-01	-1.74E-02	82	COMB6	-0.0451	-0.0375	-0.0182	-0.0182	-0.0032	0.0096
	0.70	VIVA	-2.65E-01	-1.03E-01	5.45E-02		COMB7	-0.7606	-0.8407	-0.2954	-0.3296	-0.0501	0.1749
	0.00	VIENTO	-3.82E-01	-1.48E-01	-2.51E-02		COMB8	0.2339	0.2396	0.0902	0.0902	0.0152	-0.0479
	0.70	VIENTO	-3.82E-01	-1.48E-01	7.87E-02		COMB9	-0.4584	-0.4508	-0.1830	-0.1830	-0.0310	0.1025
	0.00	ESPECTRO	2.51E-02	5.16E-03	9.09E-04		COMB10	-0.2383	-0.2325	-0.0975	-0.0975	-0.0165	0.0571
	0.70	ESPECTRO	2.51E-02	5.16E-03	2.71E-03								
		DIAGONAL							DIAGONAL				
	0.00	DEAD	2.09E+00	-1.20E-02	-4.91E-03								
	0.86	DEAD	2.08E+00	-7.27E-03	3.34E-03		COMB1	5.3789	5.3696	-0.0276	-0.0210	-0.0120	0.0088
	0.00	COBERT	8.22E-01	-3.81E-03	-1.81E-03		COMB2	9.8694	9.8614	-0.0480	-0.0424	-0.0219	0.0168
	0.86	COBERT	8.22E-01	-3.81E-03	1.45E-03		COMB3	12.4267	12.4187	-0.0599	-0.0542	-0.0275	0.0214
	0.00	CORREAS	9.34E-01	-3.92E-03	-1.86E-03		COMB4	0.0811	0.0731	-0.0027	0.0030	-0.0003	-0.0005
3557	0.86	CORREAS	9.34E-01	-3.92E-03	1.50E-03	3557	COMB5	8.4092	8.4012	-0.0412	-0.0356	-0.0187	0.0143
	0.00	VIVA	3.29E+00	-1.52E-02	-7.25E-03		COMB6	0.8119	0.8039	-0.0061	-0.0004	-0.0019	0.0008
	0.86	VIVA	3.29E+00	-1.52E-02	5.81E-03		COMB7	9.6307	10.7753	-0.0463	-0.0466	-0.0213	0.0185
	0.00	VIENTO	4.75E+00	-2.20E-02	-1.05E-02		COMB8	-2.7149	-2.7209	0.0109	0.0151	0.0059	-0.0052
	0.86	VIENTO	4.75E+00	-2.20E-02	8.39E-03		COMB9	6.6098	6.6018	-0.0296	-0.0239	-0.0130	0.0110
	0.00	ESPECTRO	3.56E-01	1.68E-03	8.86E-04		COMB10	3.8137	3.8077	-0.0161	-0.0118	-0.0068	0.0062
	0.86	ESPECTRO	3.56E-01	1.68E-03	5.63E-04								
	0.00	DEAD	-5.35E-02	-3.92E-03	-7.79E-04								
	0.86	DEAD	-6.02E-02	7.94E-04	5.60E-04		COMB1	-0.1273	-0.1366	-0.0071	-0.0005	-0.0015	0.0017
	0.00	COBERT	-1.77E-02	-5.11E-04	-1.15E-04		COMB2	-0.2223	-0.2303	-0.0093	-0.0037	-0.0020	0.0035
	0.86	COBERT	-1.77E-02	-5.11E-04	3.23E-04		COMB3	-0.2773	-0.2853	-0.0109	-0.0053	-0.0024	0.0045
	0.00	CORREAS	-1.97E-02	-6.12E-04	-1.88E-04		COMB4	-0.0116	-0.0196	-0.0032	0.0024	-0.0007	-0.0003
84	0.86	CORREAS	-1.97E-02	-6.12E-04	3.37E-04	84	COMB5	-0.1909	-0.1989	-0.0084	-0.0028	-0.0018	0.0030
	0.00	VIVA	-7.07E-02	-2.04E-03	-4.59E-04		COMB6	-0.0274	-0.0354	-0.0037	0.0020	-0.0008	0.0000
	0.86	VIVA	-7.07E-02	-2.04E-03	1.29E-03		COMB7	-0.2147	-0.2500	-0.0084	-0.0042	-0.0018	0.0039
	0.00	VIENTO	-1.02E-01	-2.95E-03	-6.63E-04		COMB8	0.0510	0.0450	-0.0007	0.0035	-0.0001	-0.0013
	0.86	VIENTO	-1.02E-01	-2.95E-03	1.87E-03		COMB9	-0.1140	-0.1220	-0.0066	-0.0010	-0.0013	0.0023
	0.00	ESPECTRO	3.05E-02	4.60E-04	2.15E-04		COMB10	-0.0513	-0.0573	-0.0041	0.0002	-0.0008	0.0013
	0.86	ESPECTRO	3.05E-02	4.60E-04	1.80E-04								
	0.00	DEAD	-6.72E-02	-3.33E-03	-2.97E-04								
	0.86	DEAD	-7.38E-02	1.38E-03	5.40E-04		COMB1	-0.1361	-0.1455	-0.0055	0.0011	-0.0003	0.0016
	0.00	COBERT	-1.48E-02	-2.81E-04	6.22E-05		COMB2	-0.2111	-0.2191	-0.0065	-0.0009	0.0002	0.0033
	0.86	COBERT	-1.48E-02	-2.81E-04	3.03E-04		COMB3	-0.2570	-0.2650	-0.0074	-0.0017	0.0004	0.0043
	0.00	CORREAS	-1.53E-02	-3.09E-04	3.88E-05		COMB4	-0.0354	-0.0434	-0.0032	0.0025	-0.0006	-0.0003
85	0.86	CORREAS	-1.53E-02	-3.09E-04	3.04E-04	85	COMB5	-0.1849	-0.1929	-0.0060	-0.0004	0.0001	0.0028
	0.00	VIVA	-5.90E-02	-1.13E-03	2.49E-04		COMB6	-0.0485	-0.0565	-0.0034	0.0022	-0.0005	0.0000
	0.86	VIVA	-5.90E-02	-1.13E-03	1.21E-03		COMB7	-0.1983	-0.2355	-0.0056	-0.0012	0.0003	0.0037
	0.00	VIENTO	-8.52E-02	-1.63E-03	3.59E-04		COMB8	0.0233	0.0173	-0.0014	0.0028	-0.0006	-0.0012
	0.86	VIENTO	-8.52E-02	-1.63E-03	1.75E-03		COMB9	-0.1155	-0.1235	-0.0049	0.0007	0.0000	0.0022
	0.00	ESPECTRO	3.06E-02	3.55E-04	1.17E-04		COMB10	-0.0569	-0.0629	-0.0032	0.0011	-0.0001	0.0012
	0.86	ESPECTRO	3.06E-02	3.55E-04	1.87E-04								
	0.00	DEAD	-9.22E-02	-3.66E-03	-4.73E-04								
	0.86	DEAD	-9.89E-02	1.05E-03	6.44E-04		COMB1	-0.1745	-0.1839	-0.0060	0.0006	-0.0006	0.0018
	0.00	COBERT	-1.62E-02	-3.24E-04	3.22E-05		COMB2	-0.2533	-0.2613	-0.0073	-0.0016	-0.0003	0.0035
	0.86	COBERT	-1.62E-02	-3.24E-04	3.10E-04		COMB3	-0.3037	-0.3117	-0.0083	-0.0026	-0.0002	0.0045
	0.00	CORREAS	-1.62E-02	-3.35E-04	1.44E-05		COMB4	-0.0603	-0.0683	-0.0034	0.0023	-0.0007	-0.0002
86	0.86	CORREAS	-1.62E-02	-3.35E-04	3.01E-04	86	COMB5	-0.2245	-0.2325	-0.0067	-0.0010	-0.0004	0.0029
	0.00	VIVA	-6.48E-02	-1.30E-03	1.29E-04		COMB6	-0.0747	-0.0827	-0.0037	0.0020	-0.0007	0.0001
	0.86	VIVA	-6.48E-02	-1.30E-03	1.24E-03		COMB7	-0.2339	-0.2793	-0.0063	-0.0020	-0.0001	0.0038
	0.00	VIENTO	-9.36E-02	-1.87E-03	1.86E-04		COMB8	0.0095	0.0035	-0.0014	0.0028	-0.0006	-0.0012
	0.86	VIENTO	-9.36E-02	-1.87E-03	1.79E-03		COMB9	-0.1486	-0.1566	-0.0054	0.0003	-0.0003	0.0024
	0.00	ESPECTRO	3.34E-02	4.59E-04	1.70E-04		COMB10	-0.0788	-0.0848	-0.0034	0.0008	-0.0002	0.0014
	0.86	ESPECTRO	3.34E-02	4.59E-04	2.23E-04								

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO VIGA (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames

ELE.	Stat.	OutputCase	P	V2	M3	ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
Text	m	Text	Ton	Ton	Ton-m								
	0.00	DEAD	-1.18E-01	-3.63E-03	-4.42E-04								
	0.86	DEAD	-1.25E-01	1.08E-03	6.49E-04		COMB1	-0.2127	-0.2220	-0.0058	0.0007	-0.0005	0.0017
	0.00	COBERT	-1.78E-02	-2.18E-04	8.05E-05		COMB2	-0.2959	-0.3039	-0.0064	-0.0008	0.0001	0.0032
	0.86	COBERT	-1.78E-02	-2.18E-04	2.68E-04		COMB3	-0.3511	-0.3591	-0.0071	-0.0014	0.0004	0.0040
	0.00	CORREAS	-1.61E-02	-3.29E-04	1.73E-05		COMB4	-0.0844	-0.0924	-0.0038	0.0018	-0.0009	0.0000
87	0.86	CORREAS	-1.61E-02	-3.29E-04	3.00E-04	87	COMB5	-0.2644	-0.2723	-0.0060	-0.0004	0.0000	0.0027
	0.00	VIVA	-7.10E-02	-8.74E-04	3.22E-04		COMB6	-0.1002	-0.1082	-0.0040	0.0017	-0.0008	0.0002
	0.86	VIVA	-7.10E-02	-8.74E-04	1.07E-03		COMB7	-0.2701	-0.3236	-0.0054	-0.0010	0.0003	0.0035
	0.00	VIENTO	-1.03E-01	-1.26E-03	4.65E-04		COMB8	-0.0034	-0.0094	-0.0021	0.0021	-0.0009	-0.0009
	0.86	VIENTO	-1.03E-01	-1.26E-03	1.55E-03		COMB9	-0.1783	-0.1863	-0.0052	0.0005	-0.0001	0.0021
	0.00	ESPECTRO	3.95E-02	2.46E-04	1.06E-04		COMB10	-0.0973	-0.1033	-0.0035	0.0007	-0.0002	0.0012
	0.86	ESPECTRO	3.95E-02	2.46E-04	1.21E-04								
	0.00	DEAD	-1.18E-01	-5.00E-03	-1.29E-03								
	0.86	DEAD	-1.25E-01	-2.90E-04	9.82E-04		COMB1	-0.2047	-0.2141	-0.0088	-0.0022	-0.0022	0.0025
	0.00	COBERT	-1.06E-02	-8.32E-04	-2.48E-04		COMB2	-0.2434	-0.2514	-0.0128	-0.0072	-0.0034	0.0051
	0.86	COBERT	-1.06E-02	-8.32E-04	4.65E-04		COMB3	-0.2764	-0.2844	-0.0154	-0.0098	-0.0042	0.0066
	0.00	CORREAS	-1.75E-02	-4.28E-04	-1.55E-05		COMB4	-0.1170	-0.1250	-0.0029	0.0027	-0.0005	-0.0004
88	0.86	CORREAS	-1.75E-02	-4.28E-04	3.52E-04	88	COMB5	-0.2245	-0.2325	-0.0114	-0.0057	-0.0030	0.0043
	0.00	VIVA	-4.24E-02	-3.33E-03	-9.92E-04		COMB6	-0.1265	-0.1344	-0.0037	0.0020	-0.0007	0.0000
	0.86	VIVA	-4.24E-02	-3.33E-03	1.86E-03		COMB7	-0.2113	-0.2631	-0.0119	-0.0081	-0.0033	0.0057
	0.00	VIENTO	-6.13E-02	-4.81E-03	-1.43E-03		COMB8	-0.0519	-0.0579	0.0006	0.0049	0.0005	-0.0019
	0.86	VIENTO	-6.13E-02	-4.81E-03	2.69E-03		COMB9	-0.1761	-0.1841	-0.0068	-0.0012	-0.0011	0.0038
	0.00	ESPECTRO	2.06E-02	2.35E-03	1.30E-03		COMB10	-0.1110	-0.1170	-0.0033	0.0009	-0.0001	0.0023
	0.86	ESPECTRO	2.06E-02	2.35E-03	7.08E-04								
	0.00	DEAD	-9.85E-02	-2.55E-03	1.84E-04								
	0.86	DEAD	-1.05E-01	2.16E-03	3.53E-04		COMB1	-0.3923	-0.4017	-0.0029	0.0037	0.0015	0.0011
	0.00	COBERT	-9.87E-02	3.38E-04	5.12E-04		COMB2	-0.9679	-0.9759	-0.0003	0.0054	0.0046	0.0024
	0.86	COBERT	-9.87E-02	3.38E-04	2.22E-04		COMB3	-1.2750	-1.2830	0.0008	0.0064	0.0062	0.0031
	0.00	CORREAS	-8.31E-02	1.71E-04	3.93E-04		COMB4	0.2077	0.1997	-0.0043	0.0013	-0.0015	-0.0002
89	0.86	CORREAS	-8.31E-02	1.71E-04	2.46E-04	89	COMB5	-0.7925	-0.8005	-0.0009	0.0048	0.0037	0.0020
	0.00	VIVA	-3.95E-01	1.35E-03	2.05E-03		COMB6	0.1199	0.1119	-0.0040	0.0016	-0.0011	0.0000
	0.86	VIVA	-3.95E-01	1.35E-03	8.87E-04		COMB7	-0.9936	-1.0856	0.0007	0.0057	0.0048	0.0027
	0.00	VIENTO	-5.70E-01	1.95E-03	2.96E-03		COMB8	0.4891	0.4831	-0.0044	-0.0001	-0.0029	-0.0009
	0.86	VIENTO	-5.70E-01	1.95E-03	1.28E-03		COMB9	-0.5111	-0.5191	0.0011	0.0068	0.0041	0.0021
	0.00	ESPECTRO	2.25E-02	2.87E-03	1.75E-03		COMB10	-0.2297	-0.2357	0.0010	0.0053	0.0027	0.0015
	0.86	ESPECTRO	2.25E-02	2.87E-03	7.13E-04								
	0.00	DEAD	-1.21E-01	-3.70E-03	-4.94E-04								
	0.86	DEAD	-1.27E-01	1.01E-03	6.57E-04		COMB1	-0.4702	-0.4796	-0.0103	-0.0037	-0.0027	0.0032
	0.00	COBERT	-1.12E-01	-1.67E-03	-6.39E-04		COMB2	-1.1198	-1.1278	-0.0195	-0.0138	-0.0064	0.0078
	0.86	COBERT	-1.12E-01	-1.67E-03	7.94E-04		COMB3	-1.4683	-1.4763	-0.0247	-0.0190	-0.0084	0.0103
	0.00	CORREAS	-1.03E-01	-1.95E-03	-8.24E-04		COMB4	0.2142	0.2062	0.0004	0.0061	0.0012	-0.0016
90	0.86	CORREAS	-1.03E-01	-1.95E-03	8.51E-04	90	COMB5	-0.9208	-0.9288	-0.0165	-0.0109	-0.0053	0.0064
	0.00	VIVA	-4.48E-01	-6.69E-03	-2.56E-03		COMB6	0.1146	0.1066	-0.0011	0.0046	0.0006	-0.0009
	0.86	VIVA	-4.48E-01	-6.69E-03	3.17E-03		COMB7	-1.1436	-1.2523	-0.0191	-0.0157	-0.0066	0.0087
	0.00	VIENTO	-6.47E-01	-9.66E-03	-3.69E-03		COMB8	0.5390	0.5330	0.0060	0.0102	0.0030	-0.0039
	0.86	VIENTO	-6.47E-01	-9.66E-03	4.59E-03		COMB9	-0.5460	-0.5540	-0.0091	-0.0034	-0.0019	0.0053
	0.00	ESPECTRO	8.10E-02	3.06E-03	1.72E-03		COMB10	-0.2213	-0.2273	-0.0035	0.0007	0.0000	0.0030
	0.86	ESPECTRO	8.10E-02	3.06E-03	9.01E-04								
	0.00	DEAD	-1.44E-01	-4.18E-03	-7.40E-04								
	0.86	DEAD	-1.51E-01	5.37E-04	8.19E-04		COMB1	-0.4977	-0.5070	-0.0088	-0.0022	-0.0018	0.0029
	0.00	COBERT	-1.11E-01	-1.11E-03	-3.15E-04		COMB2	-1.1379	-1.1459	-0.0147	-0.0090	-0.0036	0.0066
	0.86	COBERT	-1.11E-01	-1.11E-03	6.38E-04		COMB3	-1.4838	-1.4918	-0.0181	-0.0125	-0.0046	0.0085
	0.00	CORREAS	-1.00E-01	-1.01E-03	-2.66E-04		COMB4	0.1861	0.1781	-0.0014	0.0042	0.0002	-0.0010
91	0.86	CORREAS	-1.00E-01	-1.01E-03	6.01E-04	91	COMB5	-0.9404	-0.9484	-0.0127	-0.0070	-0.0030	0.0054
	0.00	VIVA	-4.45E-01	-4.45E-03	-1.26E-03		COMB6	0.0872	0.0792	-0.0024	0.0032	-0.0001	-0.0005
	0.86	VIVA	-4.45E-01	-4.45E-03	2.55E-03		COMB7	-1.1549	-1.2695	-0.0140	-0.0103	-0.0036	0.0073
	0.00	VIENTO	-6.42E-01	-6.43E-03	-1.82E-03		COMB8	0.5150	0.5090	0.0027	0.0069	0.0012	-0.0029
	0.86	VIENTO	-6.42E-01	-6.43E-03	3.69E-03		COMB9	-0.5764	-0.5844	-0.0093	-0.0037	-0.0021	0.0040
	0.00	ESPECTRO	7.25E-02	4.39E-04	1.33E-04		COMB10	-0.2475	-0.2535	-0.0052	-0.0010	-0.0011	0.0021
	0.86	ESPECTRO	7.25E-02	4.39E-04	2.44E-04								
	0.00	DEAD	-1.68E-01	-4.36E-03	-8.28E-04								
	0.86	DEAD	-1.74E-01	3.49E-04	8.93E-04		COMB1	-0.5338	-0.5431	-0.0094	-0.0028	-0.0022	0.0030
	0.00	COBERT	-1.13E-01	-1.20E-03	-3.83E-04		COMB2	-1.1777	-1.1857	-0.0157	-0.0100	-0.0043	0.0067
	0.86	COBERT	-1.13E-01	-1.20E-03	6.44E-04		COMB3	-1.5279	-1.5359	-0.0194	-0.0138	-0.0055	0.0087
	0.00	CORREAS	-1.01E-01	-1.13E-03	-3.57E-04		COMB4	0.1628	0.1548	-0.0014	0.0042	0.0002	-0.0010
92	0.86	CORREAS	-1.01E-01	-1.13E-03	6.15E-04	92	COMB5	-0.9777	-0.9857	-0.0136	-0.0079	-0.0037	0.0056
	0.00	VIVA	-4.50E-01	-4.79E-03	-1.53E-03		COMB6	0.0627	0.0547	-0.0025	0.0032	-0.0001	-0.0004
	0.86	VIVA	-4.50E-01	-4.79E-03	2.58E-03		COMB7	-1.1885	-1.3108	-0.0150	-0.0114	-0.0043	0.0074
	0.00	VIENTO	-6.50E-01	-6.92E-03	-2.21E-03		COMB8	0.5022	0.4962	0.0030	0.0072	0.0015	-0.0029
	0.86	VIENTO	-6.50E-01	-6.92E-03	3.72E-03		COMB9	-0.6067	-0.6147	-0.0097	-0.0040	-0.0023	0.0042
	0.00	ESPECTRO	7.58E-02	7.57E-04	3.59E-04		COMB10	-0.2673	-0.2733	-0.0053	-0.0010	-0.0011	0.0022
	0.86	ESPECTRO	7.58E-02	7.57E-04	2.92E-04								
	0.00	DEAD	-1.91E-01	-4.57E-03	-9.42E-04								
	0.86	DEAD	-1.97E-01	1.46E-04	9.53E-04		COMB1	-0.5669	-0.5763	-0.0096	-0.0030	-0.0024	0.0031
	0.00	COBERT	-1.13E-01	-1.20E-03	-3.98E-04		COMB2	-1.2106	-1.2186	-0.0159	-0.0103	-0.0046	0.0066
	0.86	COBERT	-1.13E-01	-1.20E-03	6.30E-04		COMB3	-1.5630	-1.5710	-0.0197	-0.0140	-0.0058	0.0086

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO VIGA (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames													
ELE.	Stat.	OutputCase	P	V2	M3	ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
Text	m	Text	Ton	Ton	Ton-m								
93	0.00	CORREAS	-1.01E-01	-1.12E-03	-3.64E-04	93	COMB4	0.1382	0.1302	-0.0017	0.0040	0.0001	-0.0009
	0.86	CORREAS	-1.01E-01	-1.12E-03	5.96E-04		COMB5	-1.0094	-1.0174	-0.0138	-0.0082	-0.0039	0.0055
	0.00	VIVA	-4.53E-01	-4.80E-03	-1.59E-03		COMB6	0.0375	0.0295	-0.0027	0.0029	-0.0002	-0.0003
	0.86	VIVA	-4.53E-01	-4.80E-03	2.52E-03		COMB7	-1.2151	-1.3445	-0.0152	-0.0116	-0.0045	0.0073
	0.00	VIENTO	-6.54E-01	-6.93E-03	-2.30E-03		COMB8	0.4862	0.4802	0.0028	0.0071	0.0015	-0.0028
	0.86	VIENTO	-6.54E-01	-6.93E-03	3.64E-03		COMB9	-0.6364	-0.6444	-0.0099	-0.0043	-0.0025	0.0042
	0.00	ESPECTRO	7.60E-02	7.37E-04	3.55E-04		COMB10	-0.2884	-0.2944	-0.0055	-0.0012	-0.0012	0.0022
	0.86	ESPECTRO	7.60E-02	7.37E-04	2.79E-04								
94	0.00	DEAD	-2.16E-01	-4.99E-03	-1.10E-03	94							
	0.86	DEAD	-2.22E-01	-2.75E-04	1.15E-03		COMB1	-0.6107	-0.6200	-0.0105	-0.0039	-0.0027	0.0035
	0.00	COBERT	-1.19E-01	-1.32E-03	-4.46E-04		COMB2	-1.2830	-1.2910	-0.0175	-0.0119	-0.0052	0.0074
	0.86	COBERT	-1.19E-01	-1.32E-03	6.88E-04		COMB3	-1.6523	-1.6603	-0.0216	-0.0160	-0.0066	0.0095
	0.00	CORREAS	-1.02E-01	-1.22E-03	-4.00E-04		COMB4	0.1307	0.1227	-0.0017	0.0039	0.0001	-0.0008
	0.86	CORREAS	-1.02E-01	-1.22E-03	6.46E-04		COMB5	-1.0721	-1.0801	-0.0152	-0.0095	-0.0044	0.0062
	0.00	VIVA	-4.75E-01	-5.29E-03	-1.79E-03		COMB6	0.0252	0.0172	-0.0029	0.0027	-0.0003	-0.0002
	0.86	VIVA	-4.75E-01	-5.29E-03	2.75E-03		COMB7	-1.2841	-1.4230	-0.0167	-0.0133	-0.0051	0.0082
	0.00	VIENTO	-6.86E-01	-7.65E-03	-2.58E-03		COMB8	0.4989	0.4929	0.0032	0.0074	0.0016	-0.0029
	0.86	VIENTO	-6.86E-01	-7.65E-03	3.98E-03		COMB9	-0.6835	-0.6915	-0.0109	-0.0052	-0.0029	0.0047
	0.00	ESPECTRO	7.73E-02	7.90E-04	3.79E-04		COMB10	-0.3153	-0.3213	-0.0060	-0.0017	-0.0014	0.0025
	0.86	ESPECTRO	7.73E-02	7.90E-04	3.02E-04								
95	0.00	DEAD	-2.38E-01	-4.92E-03	-1.10E-03	95							
	0.86	DEAD	-2.45E-01	-2.09E-04	1.10E-03		COMB1	-0.6402	-0.6496	-0.0102	-0.0036	-0.0026	0.0032
	0.00	COBERT	-1.19E-01	-1.24E-03	-4.24E-04		COMB2	-1.3075	-1.3155	-0.0166	-0.0110	-0.0050	0.0069
	0.86	COBERT	-1.19E-01	-1.24E-03	6.40E-04		COMB3	-1.6765	-1.6845	-0.0205	-0.0149	-0.0063	0.0089
	0.00	CORREAS	-1.01E-01	-1.09E-03	-3.58E-04		COMB4	0.1048	0.0968	-0.0019	0.0038	0.0001	-0.0007
	0.86	CORREAS	-1.01E-01	-1.09E-03	5.79E-04		COMB5	-1.0968	-1.1048	-0.0144	-0.0088	-0.0042	0.0057
	0.00	VIVA	-4.74E-01	-4.96E-03	-1.70E-03		COMB6	-0.0007	-0.0087	-0.0030	0.0027	-0.0003	-0.0002
	0.86	VIVA	-4.74E-01	-4.96E-03	2.56E-03		COMB7	-1.3022	-1.4474	-0.0159	-0.0124	-0.0049	0.0076
	0.00	VIENTO	-6.85E-01	-7.17E-03	-2.45E-03		COMB8	0.4791	0.4731	0.0028	0.0070	0.0015	-0.0027
	0.86	VIENTO	-6.85E-01	-7.17E-03	3.70E-03		COMB9	-0.7089	-0.7169	-0.0104	-0.0048	-0.0027	0.0043
	0.00	ESPECTRO	7.70E-02	7.49E-04	3.62E-04		COMB10	-0.3346	-0.3406	-0.0058	-0.0015	-0.0013	0.0024
	0.86	ESPECTRO	7.70E-02	7.49E-04	2.83E-04								
96	0.00	DEAD	-2.72E-01	-6.68E-03	-1.65E-03	96							
	0.86	DEAD	-2.79E-01	-1.97E-03	2.06E-03		COMB1	-0.7002	-0.7095	-0.0143	-0.0077	-0.0039	0.0056
	0.00	COBERT	-1.23E-01	-1.85E-03	-6.03E-04		COMB2	-1.3872	-1.3952	-0.0241	-0.0185	-0.0072	0.0111
	0.86	COBERT	-1.23E-01	-1.85E-03	9.82E-04		COMB3	-1.7699	-1.7779	-0.0299	-0.0242	-0.0091	0.0141
	0.00	CORREAS	-1.05E-01	-1.71E-03	-5.33E-04		COMB4	0.0777	0.0697	-0.0021	0.0036	0.0000	-0.0006
	0.86	CORREAS	-1.05E-01	-1.71E-03	9.36E-04		COMB5	-1.1686	-1.1766	-0.0208	-0.0152	-0.0061	0.0093
	0.00	VIVA	-4.92E-01	-7.40E-03	-2.41E-03		COMB6	-0.0317	-0.0397	-0.0037	0.0019	-0.0006	0.0002
	0.86	VIVA	-4.92E-01	-7.40E-03	3.93E-03		COMB7	-1.3739	-1.5319	-0.0231	-0.0205	-0.0070	0.0122
	0.00	VIENTO	-7.11E-01	-1.07E-02	-3.49E-03		COMB8	0.4737	0.4677	0.0047	0.0089	0.0020	-0.0038
	0.86	VIENTO	-7.11E-01	-1.07E-02	5.68E-03		COMB9	-0.7673	-0.7753	-0.0151	-0.0094	-0.0041	0.0071
	0.00	ESPECTRO	7.88E-02	9.39E-04	4.17E-04		COMB10	-0.3713	-0.3773	-0.0083	-0.0040	-0.0021	0.0040
	0.86	ESPECTRO	7.88E-02	9.39E-04	3.99E-04								
97	0.00	DEAD	-2.51E-01	-3.40E-04	-1.94E-06	97							
	0.86	DEAD	-2.58E-01	4.37E-03	-1.73E-03		COMB1	-0.6141	-0.6235	0.0022	0.0088	0.0004	-0.0043
	0.00	COBERT	-1.05E-01	7.26E-04	8.30E-05		COMB2	-1.1960	-1.2040	0.0065	0.0122	0.0009	-0.0071
	0.86	COBERT	-1.05E-01	7.26E-04	-5.39E-04		COMB3	-1.5216	-1.5296	0.0088	0.0144	0.0012	-0.0088
	0.00	CORREAS	-8.32E-02	1.17E-03	2.35E-04		COMB4	0.0503	0.0423	-0.0021	0.0035	-0.0001	-0.0007
	0.86	CORREAS	-8.32E-02	1.17E-03	-7.67E-04		COMB5	-1.0101	-1.0181	0.0052	0.0109	0.0008	-0.0061
	0.00	VIVA	-4.18E-01	2.90E-03	3.32E-04		COMB6	-0.0427	-0.0507	-0.0015	0.0042	0.0000	-0.0012
	0.86	VIVA	-4.18E-01	2.90E-03	-2.16E-03		COMB7	-1.1808	-1.3204	0.0069	0.0130	0.0009	-0.0077
	0.00	VIENTO	-6.05E-01	4.20E-03	4.79E-04		COMB8	0.3911	0.3851	-0.0041	0.0002	-0.0003	0.0013
	0.86	VIENTO	-6.05E-01	4.20E-03	-3.12E-03		COMB9	-0.6637	-0.6717	0.0039	0.0095	0.0008	-0.0044
	0.00	ESPECTRO	7.20E-02	5.44E-04	2.99E-04		COMB10	-0.3228	-0.3288	0.0019	0.0062	0.0006	-0.0024
	0.86	ESPECTRO	7.20E-02	5.44E-04	2.92E-04								
99	0.00	DEAD	1.57E-02	-3.49E-03	-5.92E-04	99							
	0.86	DEAD	8.99E-03	1.22E-03	3.80E-04		COMB1	0.0433	0.0340	-0.0060	0.0006	-0.0011	0.0013
	0.00	COBERT	4.99E-03	-3.71E-04	-5.36E-05		COMB2	0.0691	0.0611	-0.0075	-0.0019	-0.0012	0.0028
	0.86	COBERT	4.99E-03	-3.71E-04	2.65E-04		COMB3	0.0847	0.0767	-0.0087	-0.0030	-0.0014	0.0036
	0.00	CORREAS	1.03E-02	-4.25E-04	-1.06E-04		COMB4	0.0096	0.0016	-0.0031	0.0026	-0.0006	-0.0004
	0.86	CORREAS	1.03E-02	-4.25E-04	2.58E-04		COMB5	0.0602	0.0522	-0.0069	-0.0012	-0.0011	0.0023
	0.00	VIVA	2.00E-02	-1.49E-03	-2.14E-04		COMB6	0.0141	0.0061	-0.0034	0.0022	-0.0007	-0.0001
	0.86	VIVA	2.00E-02	-1.49E-03	1.06E-03		COMB7	0.0654	0.0667	-0.0066	-0.0023	-0.0011	0.0031
	0.00	VIENTO	2.89E-02	-2.15E-03	-3.10E-04		COMB8	-0.0096	-0.0156	-0.0011	0.0032	-0.0003	-0.0012
	0.86	VIENTO	2.89E-02	-2.15E-03	1.53E-03		COMB9	0.0703	0.0623	-0.0057	-0.0001	-0.0009	0.0017
	0.00	ESPECTRO	2.32E-02	1.42E-04	7.94E-05		COMB10	0.0510	0.0450	-0.0037	0.0005	-0.0006	0.0009
	0.86	ESPECTRO	2.32E-02	1.42E-04	4.26E-05								
100	0.00	DEAD	7.55E-04	-2.60E-03	7.61E-06	100							
	0.86	DEAD	-5.91E-03	2.11E-03	2.18E-04		COMB1	0.0314	0.0220	-0.0037	0.0029	0.0005	0.0008
	0.00	COBERT	7.51E-03	-3.25E-05	1.65E-04		COMB2	0.0749	0.0669	-0.0034	0.0023	0.0015	0.0019
	0.86	COBERT	7.51E-03	-3.25E-05	1.93E-04		COMB3	0.0983	0.0903	-0.0035	0.0022	0.0020	0.0025
	0.00	CORREAS	1.41E-02	7.47E-06	1.71E-04		COMB4	-0.0145	-0.0225	-0.0030	0.0027	-0.0005	-0.0004
	0.86	CORREAS	1.41E-02	7.47E-06	1.65E-04		COMB5	0.0616	0.0536	-0.0033	0.0024	0.0012	0.0016
	0.00	VIVA	3.00E-02	-1.30E-04	6.59E-04		COMB6	-0.0078	-0.0158	-0.0030	0.0027	-0.0003	-0.0002
	0.86	VIVA	3.00E-02	-1.30E-04	7.71E-04		COMB7	0.0765	0.0753	-0.0026	0.0023	0.0015	0.0021

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO VIGA (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames													
ELE.	Stat.	OutputCase	P	V2	M3	ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
Text	m	Text	Ton	Ton	Ton-m								
	0.00	VIENTO	4.34E-02	-1.88E-04	9.53E-04		COMB8	-0.0362	-0.0422	-0.0021	0.0021	-0.0009	-0.0009
	0.86	VIENTO	4.34E-02	-1.88E-04	1.11E-03		COMB9	0.0638	0.0558	-0.0031	0.0026	0.0008	0.0011
	0.00	ESPECTRO	2.19E-02	1.31E-04	9.43E-05		COMB10	0.0421	0.0361	-0.0022	0.0020	0.0004	0.0005
	0.86	ESPECTRO	2.19E-02	1.31E-04	2.00E-05								
	0.00	DEAD	-2.24E-02	-3.52E-03	-3.79E-04								
	0.86	DEAD	-2.91E-02	1.19E-03	6.17E-04		COMB1	-0.0019	-0.0112	-0.0058	0.0008	-0.0004	0.0017
	0.00	COBERT	6.89E-03	-3.24E-04	4.38E-05		COMB2	0.0425	0.0345	-0.0070	-0.0014	-0.0001	0.0035
	0.86	COBERT	6.89E-03	-3.24E-04	3.21E-04		COMB3	0.0639	0.0559	-0.0080	-0.0024	0.0001	0.0045
	0.00	CORREAS	1.41E-02	-2.73E-04	5.43E-05		COMB4	-0.0396	-0.0476	-0.0032	0.0025	-0.0006	-0.0003
101	0.86	CORREAS	1.41E-02	-2.73E-04	2.88E-04	101	COMB5	0.0302	0.0222	-0.0064	-0.0008	-0.0001	0.0030
	0.00	VIVA	2.76E-02	-1.29E-03	1.75E-04		COMB6	-0.0335	-0.0415	-0.0034	0.0022	-0.0005	0.0000
	0.86	VIVA	2.76E-02	-1.29E-03	1.28E-03		COMB7	0.0505	0.0421	-0.0061	-0.0017	0.0001	0.0039
	0.00	VIENTO	3.98E-02	-1.87E-03	2.53E-04		COMB8	-0.0530	-0.0590	-0.0013	0.0030	-0.0006	-0.0013
	0.86	VIENTO	3.98E-02	-1.87E-03	1.86E-03		COMB9	0.0309	0.0229	-0.0054	0.0002	-0.0002	0.0022
	0.00	ESPECTRO	1.88E-02	1.40E-04	8.91E-05		COMB10	0.0175	0.0116	-0.0036	0.0007	-0.0002	0.0011
	0.86	ESPECTRO	1.88E-02	1.40E-04	4.56E-05								
	0.00	DEAD	-7.72E-02	-3.26E-04	1.00E-03								
	0.86	DEAD	-8.38E-02	4.39E-03	-7.38E-04		COMB1	-0.1149	-0.1242	0.0026	0.0092	0.0033	-0.0018
	0.00	COBERT	-6.95E-03	1.13E-03	6.73E-04		COMB2	-0.1430	-0.1510	0.0095	0.0152	0.0071	-0.0035
	0.86	COBERT	-6.95E-03	1.13E-03	-2.96E-04		COMB3	-0.1646	-0.1726	0.0130	0.0187	0.0092	-0.0044
	0.00	CORREAS	2.07E-03	1.09E-03	6.47E-04		COMB4	-0.0602	-0.0682	-0.0040	0.0017	-0.0009	0.0000
102	0.86	CORREAS	2.07E-03	1.09E-03	-2.85E-04	102	COMB5	-0.1306	-0.1386	0.0075	0.0132	0.0059	-0.0030
	0.00	VIVA	-2.78E-02	4.52E-03	2.69E-03		COMB6	-0.0663	-0.0743	-0.0030	0.0027	-0.0003	-0.0002
	0.86	VIVA	-2.78E-02	4.52E-03	-1.18E-03		COMB7	-0.1261	-0.1587	0.0102	0.0164	0.0071	-0.0038
	0.00	VIENTO	-4.02E-02	6.53E-03	3.89E-03		COMB8	-0.0216	-0.0276	-0.0068	-0.0025	-0.0030	0.0010
	0.86	VIENTO	-4.02E-02	6.53E-03	-1.71E-03		COMB9	-0.0945	-0.1024	0.0049	0.0105	0.0043	-0.0020
	0.00	ESPECTRO	1.79E-02	3.22E-04	1.35E-04		COMB10	-0.0559	-0.0619	0.0020	0.0063	0.0022	-0.0010
	0.86	ESPECTRO	1.79E-02	3.22E-04	1.55E-04								
	0.00	DEAD	4.50E-01	-1.22E-02	-5.83E-03								
	0.86	DEAD	4.44E-01	-7.46E-03	2.59E-03		COMB1	1.2429	1.2336	-0.0272	-0.0206	-0.0139	0.0066
	0.00	COBERT	2.23E-01	-3.82E-03	-2.15E-03		COMB2	2.4912	2.4832	-0.0478	-0.0421	-0.0257	0.0129
	0.86	COBERT	2.23E-01	-3.82E-03	1.12E-03		COMB3	3.1845	3.1765	-0.0597	-0.0540	-0.0324	0.0163
	0.00	CORREAS	2.15E-01	-3.45E-03	-1.95E-03		COMB4	-0.1627	-0.1707	-0.0023	0.0034	0.0000	-0.0005
103	0.86	CORREAS	2.15E-01	-3.45E-03	1.01E-03	103	COMB5	2.0953	2.0873	-0.0410	-0.0354	-0.0219	0.0109
	0.00	VIVA	8.91E-01	-1.53E-02	-8.62E-03		COMB6	0.0354	0.0274	-0.0057	0.0000	-0.0020	0.0005
	0.86	VIVA	8.91E-01	-1.53E-02	4.49E-03		COMB7	2.4726	2.7310	-0.0462	-0.0464	-0.0251	0.0141
	0.00	VIENTO	1.29E+00	-2.21E-02	-1.24E-02		COMB8	-0.8746	-0.8806	0.0112	0.0155	0.0072	-0.0042
	0.86	VIENTO	1.29E+00	-2.21E-02	6.49E-03		COMB9	1.5727	1.5647	-0.0297	-0.0240	-0.0155	0.0083
	0.00	ESPECTRO	6.18E-02	1.29E-03	7.58E-04		COMB10	0.8608	0.8548	-0.0162	-0.0120	-0.0082	0.0046
	0.86	ESPECTRO	6.18E-02	1.29E-03	3.51E-04								
	0.00	DEAD	4.17E-01	1.46E-02	9.98E-03								
	0.86	DEAD	4.11E-01	1.93E-02	-4.55E-03		COMB1	0.9687	0.9594	0.0408	0.0474	0.0264	-0.0114
	0.00	COBERT	1.33E-01	7.46E-03	4.56E-03		COMB2	1.6809	1.6729	0.0827	0.0883	0.0518	-0.0215
	0.86	COBERT	1.33E-01	7.46E-03	-1.83E-03		COMB3	2.0946	2.0866	0.1059	0.1116	0.0660	-0.0272
	0.00	CORREAS	1.42E-01	7.09E-03	4.32E-03		COMB4	0.0977	0.0897	-0.0061	-0.0005	-0.0025	0.0003
104	0.86	CORREAS	1.42E-01	7.09E-03	-1.76E-03	104	COMB5	1.4447	1.4368	0.0694	0.0751	0.0437	-0.0182
	0.00	VIVA	5.32E-01	2.98E-02	1.83E-02		COMB6	0.2159	0.2079	0.0005	0.0061	0.0015	-0.0013
	0.86	VIVA	5.32E-01	2.98E-02	-7.32E-03		COMB7	1.6212	1.8208	0.0822	0.0966	0.0513	-0.0235
	0.00	VIENTO	7.68E-01	4.31E-02	2.64E-02		COMB8	-0.3757	-0.3817	-0.0298	-0.0256	-0.0173	0.0064
	0.86	VIENTO	7.68E-01	4.31E-02	-1.06E-02		COMB9	1.1495	1.1415	0.0520	0.0577	0.0330	-0.0128
	0.00	ESPECTRO	5.33E-02	2.13E-03	1.24E-03		COMB10	0.6761	0.6701	0.0283	0.0326	0.0182	-0.0067
	0.86	ESPECTRO	5.33E-02	2.13E-03	5.81E-04								
	0.00	DEAD	-1.25E-01	-1.09E-02	-5.14E-03								
	0.86	DEAD	-1.32E-01	-6.18E-03	2.18E-03		COMB1	-0.4424	-0.4517	-0.0267	-0.0201	-0.0137	0.0064
	0.00	COBERT	-1.01E-01	-4.12E-03	-2.31E-03		COMB2	-1.0267	-1.0347	-0.0493	-0.0436	-0.0265	0.0133
	0.86	COBERT	-1.01E-01	-4.12E-03	1.22E-03		COMB3	-1.3415	-1.3495	-0.0621	-0.0564	-0.0337	0.0171
	0.00	CORREAS	-8.99E-02	-4.09E-03	-2.30E-03		COMB4	0.1784	0.1704	-0.0002	0.0054	0.0010	-0.0012
105	0.86	CORREAS	-8.99E-02	-4.09E-03	1.20E-03	105	COMB5	-0.8469	-0.8549	-0.0420	-0.0363	-0.0224	0.0112
	0.00	VIVA	-4.05E-01	-1.65E-02	-9.24E-03		COMB6	0.0885	0.0805	-0.0039	0.0018	-0.0010	-0.0001
	0.86	VIVA	-4.05E-01	-1.65E-02	4.88E-03		COMB7	-1.0444	-1.1472	-0.0481	-0.0482	-0.0261	0.0147
	0.00	VIENTO	-5.85E-01	-2.38E-02	-1.33E-02		COMB8	0.4756	0.4696	0.0137	0.0180	0.0086	-0.0050
	0.86	VIENTO	-5.85E-01	-2.38E-02	7.06E-03		COMB9	-0.5526	-0.5606	-0.0300	-0.0243	-0.0156	0.0082
	0.00	ESPECTRO	2.89E-02	1.17E-03	7.46E-04		COMB10	-0.2555	-0.2615	-0.0160	-0.0118	-0.0080	0.0044
	0.86	ESPECTRO	2.89E-02	1.17E-03	2.60E-04								
	0.00	DEAD	-1.04E-01	-2.50E-03	4.86E-04								
	0.86	DEAD	-1.10E-01	2.21E-03	6.10E-04		COMB1	-0.3606	-0.3699	-0.0041	0.0025	0.0014	0.0021
	0.00	COBERT	-8.29E-02	-2.33E-04	2.58E-04		COMB2	-0.8394	-0.8474	-0.0050	0.0006	0.0029	0.0047
	0.86	COBERT	-8.29E-02	-2.33E-04	4.58E-04		COMB3	-1.0973	-1.1053	-0.0058	-0.0001	0.0037	0.0062
	0.00	CORREAS	-7.09E-02	-2.09E-04	2.65E-04		COMB4	0.1477	0.1397	-0.0022	0.0034	-0.0002	-0.0007
106	0.86	CORREAS	-7.09E-02	-2.09E-04	4.44E-04	106	COMB5	-0.6921	-0.7001	-0.0046	0.0010	0.0024	0.0039
	0.00	VIVA	-3.31E-01	-9.33E-04	1.03E-03		COMB6	0.0740	0.0660	-0.0025	0.0032	0.0000	-0.0003
	0.86	VIVA	-3.31E-01	-9.33E-04	1.83E-03		COMB7	-0.8543	-0.9395	-0.0044	0.0004	0.0028	0.0053
	0.00	VIENTO	-4.79E-01	-1.35E-03	1.49E-03		COMB8	0.3907	0.3847	-0.0009	0.0033	-0.0010	-0.0021
	0.86	VIENTO	-4.79E-01	-1.35E-03	2.64E-03		COMB9	-0.4525	-0.4605	-0.0039	0.0017	0.0018	0.0028
	0.00	ESPECTRO	2.23E-02	8.70E-05	8.52E-05		COMB10	-0.2095	-0.2155	-0.0026	0.0017	0.0010	0.0014
	0.86	ESPECTRO	2.23E-02	8.70E-05	3.36E-05								

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO VIGA (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames

ELE.	Stat.	OutputCase	P	V2	M3	ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
Text	m	Text	Ton	Ton	Ton-m								
	0.00	DEAD	-1.33E-01	-3.71E-03	-4.01E-04								
	0.86	DEAD	-1.39E-01	1.00E-03	7.60E-04		COMB1	-0.4121	-0.4214	-0.0072	-0.0006	-0.0009	0.0024
	0.00	COBERT	-8.73E-02	-7.35E-04	-1.31E-04		COMB2	-0.9119	-0.9199	-0.0109	-0.0052	-0.0016	0.0053
	0.86	COBERT	-8.73E-02	-7.35E-04	4.99E-04		COMB3	-1.1835	-1.1915	-0.0132	-0.0075	-0.0020	0.0068
	0.00	CORREAS	-7.45E-02	-7.00E-04	-1.15E-04		COMB4	0.1279	0.1199	-0.0021	0.0035	-0.0001	-0.0007
107	0.86	CORREAS	-7.45E-02	-7.00E-04	4.85E-04	107	COMB5	-0.7568	-0.7647	-0.0096	-0.0039	-0.0014	0.0044
	0.00	VIVA	-3.49E-01	-2.94E-03	-5.24E-04		COMB6	0.0503	0.0423	-0.0028	0.0029	-0.0002	-0.0002
	0.86	VIVA	-3.49E-01	-2.94E-03	2.00E-03		COMB7	-0.9207	-1.0170	-0.0102	-0.0060	-0.0016	0.0058
	0.00	VIENTO	-5.04E-01	-4.25E-03	-7.57E-04		COMB8	0.3908	0.3848	0.0009	0.0051	0.0004	-0.0022
	0.86	VIENTO	-5.04E-01	-4.25E-03	2.88E-03		COMB9	-0.5077	-0.5157	-0.0076	-0.0019	-0.0010	0.0031
	0.00	ESPECTRO	2.01E-02	7.13E-05	7.55E-05		COMB10	-0.2448	-0.2508	-0.0046	-0.0003	-0.0005	0.0016
	0.86	ESPECTRO	2.01E-02	7.13E-05	3.69E-05								
	0.00	DEAD	-1.52E-01	-3.80E-03	-4.51E-04								
	0.86	DEAD	-1.59E-01	9.14E-04	7.85E-04		COMB1	-0.4394	-0.4487	-0.0073	-0.0007	-0.0010	0.0024
	0.00	COBERT	-8.76E-02	-7.21E-04	-1.32E-04		COMB2	-0.9372	-0.9452	-0.0108	-0.0052	-0.0017	0.0052
	0.86	COBERT	-8.76E-02	-7.21E-04	4.85E-04		COMB3	-1.2099	-1.2179	-0.0131	-0.0074	-0.0021	0.0067
	0.00	CORREAS	-7.39E-02	-6.75E-04	-1.10E-04		COMB4	0.1062	0.0982	-0.0023	0.0034	-0.0001	-0.0006
108	0.86	CORREAS	-7.39E-02	-6.75E-04	4.68E-04	108	COMB5	-0.7816	-0.7896	-0.0096	-0.0039	-0.0014	0.0043
	0.00	VIVA	-3.50E-01	-2.88E-03	-5.29E-04		COMB6	0.0283	0.0203	-0.0029	0.0028	-0.0002	-0.0002
	0.86	VIVA	-3.50E-01	-2.88E-03	1.94E-03		COMB7	-0.9405	-1.0427	-0.0101	-0.0060	-0.0016	0.0057
	0.00	VIENTO	-5.06E-01	-4.16E-03	-7.65E-04		COMB8	0.3756	0.3696	0.0007	0.0050	0.0004	-0.0021
	0.86	VIENTO	-5.06E-01	-4.16E-03	2.81E-03		COMB9	-0.5348	-0.5428	-0.0076	-0.0020	-0.0010	0.0031
	0.00	ESPECTRO	1.70E-02	4.96E-05	6.37E-05		COMB10	-0.2655	-0.2715	-0.0046	-0.0004	-0.0006	0.0016
	0.86	ESPECTRO	1.70E-02	4.96E-05	4.12E-05								
	0.00	DEAD	-1.74E-01	-3.96E-03	-5.79E-04								
	0.86	DEAD	-1.81E-01	7.57E-04	7.92E-04		COMB1	-0.4770	-0.4864	-0.0075	-0.0009	-0.0012	0.0024
	0.00	COBERT	-9.26E-02	-7.50E-04	-1.74E-04		COMB2	-1.0015	-1.0095	-0.0113	-0.0056	-0.0022	0.0051
	0.86	COBERT	-9.26E-02	-7.50E-04	4.69E-04		COMB3	-1.2897	-1.2977	-0.0136	-0.0079	-0.0027	0.0065
	0.00	CORREAS	-7.42E-02	-6.79E-04	-1.37E-04		COMB4	0.1015	0.0935	-0.0023	0.0033	-0.0001	-0.0005
109	0.86	CORREAS	-7.42E-02	-6.79E-04	4.45E-04	109	COMB5	-0.8369	-0.8449	-0.0099	-0.0043	-0.0019	0.0042
	0.00	VIVA	-3.70E-01	-3.00E-03	-6.94E-04		COMB6	0.0192	0.0112	-0.0030	0.0027	-0.0003	-0.0001
	0.86	VIVA	-3.70E-01	-3.00E-03	1.88E-03		COMB7	-1.0022	-1.1125	-0.0105	-0.0064	-0.0021	0.0056
	0.00	VIENTO	-5.35E-01	-4.33E-03	-1.00E-03		COMB8	0.3889	0.3829	0.0008	0.0050	0.0005	-0.0020
	0.86	VIENTO	-5.35E-01	-4.33E-03	2.71E-03		COMB9	-0.5801	-0.5881	-0.0079	-0.0023	-0.0014	0.0030
	0.00	ESPECTRO	1.40E-02	3.62E-05	5.68E-05		COMB10	-0.2927	-0.2987	-0.0048	-0.0006	-0.0007	0.0016
	0.86	ESPECTRO	1.40E-02	3.62E-05	4.91E-05								
	0.00	DEAD	-1.93E-01	-4.71E-03	-8.94E-04								
	0.86	DEAD	-2.00E-01	8.42E-07	1.13E-03		COMB1	-0.5035	-0.5128	-0.0094	-0.0028	-0.0020	0.0032
	0.00	COBERT	-9.28E-02	-1.03E-03	-2.92E-04		COMB2	-1.0254	-1.0334	-0.0146	-0.0090	-0.0036	0.0065
	0.86	COBERT	-9.28E-02	-1.03E-03	5.92E-04		COMB3	-1.3142	-1.3222	-0.0178	-0.0122	-0.0045	0.0084
	0.00	CORREAS	-7.36E-02	-9.37E-04	-2.41E-04		COMB4	0.0799	0.0719	-0.0023	0.0033	-0.0001	-0.0005
110	0.86	CORREAS	-7.36E-02	-9.37E-04	5.63E-04	110	COMB5	-0.8605	-0.8685	-0.0128	-0.0071	-0.0031	0.0055
	0.00	VIVA	-3.71E-01	-4.12E-03	-1.17E-03		COMB6	-0.0026	-0.0106	-0.0033	0.0024	-0.0004	0.0000
	0.86	VIVA	-3.71E-01	-4.12E-03	2.37E-03		COMB7	-1.0207	-1.1366	-0.0138	-0.0101	-0.0035	0.0072
	0.00	VIENTO	-5.36E-01	-5.95E-03	-1.69E-03		COMB8	0.3734	0.3674	0.0017	0.0060	0.0009	-0.0024
	0.86	VIENTO	-5.36E-01	-5.95E-03	3.42E-03		COMB9	-0.6061	-0.6141	-0.0100	-0.0043	-0.0022	0.0040
	0.00	ESPECTRO	1.10E-02	7.76E-05	5.25E-05		COMB10	-0.3127	-0.3187	-0.0059	-0.0017	-0.0012	0.0021
	0.86	ESPECTRO	1.10E-02	7.76E-05	7.68E-05								
	0.00	DEAD	-2.33E-01	-1.34E-03	3.71E-04								
	0.86	DEAD	-2.40E-01	3.37E-03	-4.98E-04		COMB1	-0.5829	-0.5923	-0.0005	0.0061	0.0013	-0.0011
	0.00	COBERT	-1.01E-01	4.29E-04	2.57E-04		COMB2	-1.1487	-1.1567	0.0024	0.0080	0.0028	-0.0016
	0.86	COBERT	-1.01E-01	4.29E-04	-1.10E-04		COMB3	-1.4644	-1.4723	0.0037	0.0093	0.0036	-0.0020
	0.00	CORREAS	-8.16E-02	5.93E-04	3.36E-04		COMB4	0.0594	0.0514	-0.0027	0.0029	-0.0003	-0.0003
111	0.86	CORREAS	-8.16E-02	5.93E-04	-1.72E-04	111	COMB5	-0.9685	-0.9765	0.0016	0.0073	0.0023	-0.0014
	0.00	VIVA	-4.06E-01	1.72E-03	1.03E-03		COMB6	-0.0308	-0.0388	-0.0024	0.0033	0.0000	-0.0004
	0.86	VIVA	-4.06E-01	1.72E-03	-4.41E-04		COMB7	-1.1366	-1.2695	0.0029	0.0085	0.0028	-0.0018
	0.00	VIENTO	-5.86E-01	2.48E-03	1.49E-03		COMB8	0.3871	0.3811	-0.0035	0.0007	-0.0011	0.0001
	0.86	VIENTO	-5.86E-01	2.48E-03	-6.37E-04		COMB9	-0.6946	-0.7026	0.0007	0.0063	0.0018	-0.0011
	0.00	ESPECTRO	7.89E-03	2.06E-04	1.11E-04		COMB10	-0.3669	-0.3728	-0.0001	0.0042	0.0010	-0.0006
	0.86	ESPECTRO	7.89E-03	2.06E-04	1.05E-04								
	0.00	DEAD	1.60E-01	-2.02E-02	-8.36E-03								
	0.86	DEAD	1.54E-01	-1.55E-02	6.93E-03		COMB1	0.4629	0.4535	-0.0494	-0.0428	-0.0212	0.0183
	0.00	COBERT	7.20E-02	-7.47E-03	-3.36E-03		COMB2	0.8575	0.8495	-0.0901	-0.0845	-0.0397	0.0352
	0.86	COBERT	7.20E-02	-7.47E-03	3.04E-03		COMB3	1.0816	1.0736	-0.1134	-0.1077	-0.0501	0.0447
	0.00	CORREAS	9.82E-02	-7.63E-03	-3.41E-03		COMB4	-0.0001	-0.0081	-0.0012	0.0045	0.0004	-0.0011
112	0.86	CORREAS	9.82E-02	-7.63E-03	3.13E-03	112	COMB5	0.7296	0.7216	-0.0769	-0.0712	-0.0337	0.0298
	0.00	VIVA	2.88E-01	-2.99E-02	-1.34E-02		COMB6	0.0639	0.0559	-0.0078	-0.0022	-0.0026	0.0016
	0.86	VIVA	2.88E-01	-2.99E-02	1.22E-02		COMB7	0.8384	0.9296	-0.0879	-0.0928	-0.0389	0.0386
	0.00	VIENTO	4.16E-01	-4.32E-02	-1.94E-02		COMB8	-0.2433	-0.2493	0.0244	0.0286	0.0116	-0.0111
	0.86	VIENTO	4.16E-01	-4.32E-02	1.76E-02		COMB9	0.5704	0.5624	-0.0559	-0.0503	-0.0243	0.0224
	0.00	ESPECTRO	2.97E-02	1.34E-03	5.99E-04		COMB10	0.3273	0.3213	-0.0304	-0.0262	-0.0130	0.0123
	0.86	ESPECTRO	2.97E-02	1.34E-03	5.53E-04								
	0.00	DEAD	6.63E-03	-4.69E-03	-2.00E-03								
	0.85	DEAD	-1.11E-13	-1.02E-15	1.44E-16		COMB1	0.0093	0.0000	-0.0066	0.0000	-0.0028	0.0000
	0.00	COBERT	0.00E+00	0.00E+00	-1.67E-16		COMB2	0.0080	0.0000	-0.0056	0.0000	-0.0024	0.0000
	0.85	COBERT	0.00E+00	0.00E+00	-1.67E-16		COMB3	0.0080	0.0000	-0.0056	0.0000	-0.0024	0.0000

RESULTADO DE ANALISIS ESTRUCTURAL - ARCO METALICO VIGA (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames

ELE.	Stat.	OutputCase	P	V2	M3
Text	m	Text	Ton	Ton	Ton-m
2884	0.00	CORREAS	0.00E+00	1.11E-16	-1.11E-16
	0.85	CORREAS	0.00E+00	1.11E-16	-2.06E-16
	0.00	VIVA	0.00E+00	0.00E+00	-6.66E-16
	0.85	VIVA	0.00E+00	0.00E+00	-6.66E-16
	0.00	VIENTO	-4.55E-13	-8.88E-16	-1.33E-15
	0.85	VIENTO	-4.55E-13	-8.88E-16	-5.75E-16
	0.00	ESPECTRO	3.04E-04	7.43E-04	6.34E-04
	0.85	ESPECTRO	3.04E-04	7.43E-04	5.73E-17

ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
2884	COMB4	0.0080	0.0000	-0.0056	0.0000	-0.0024	0.0000
	COMB5	0.0080	0.0000	-0.0056	0.0000	-0.0024	0.0000
	COMB6	0.0080	0.0000	-0.0056	0.0000	-0.0024	0.0000
	COMB7	0.0060	0.0000	-0.0042	0.0000	-0.0018	0.0000
	COMB8	0.0060	0.0000	-0.0042	0.0000	-0.0018	0.0000
	COMB9	0.0083	0.0003	-0.0049	0.0007	-0.0018	0.0000
	COMB10	0.0063	0.0003	-0.0035	0.0007	-0.0012	0.0000

BRIDAS SUPERIORES						
MAX. VALOR:	6.3635	6.3635	12.2130	12.2162	0.9875	0.2622
MIN. VALOR:	-27.4503	-27.4503	-2.6970	-2.6946	-0.5075	-0.4975
BRIDAS INFERIORES						
MAX. VALOR:	4.3567	4.3567	0.2357	0.2444	0.0311	0.1577
MIN. VALOR:	-7.8937	-7.8937	-0.5381	-0.5295	-0.1065	-0.0877
MONTANTES						
MAX. VALOR:	5.1312	5.1487	0.9423	0.9423	0.2354	0.2021
MIN. VALOR:	-23.6176	-23.5942	-0.3809	-0.3809	-0.0646	-0.4242
DIAGONALES						
MAX. VALOR:	12.4267	12.4187	0.1059	0.1116	0.0660	0.0447
MIN. VALOR:	-2.7149	-2.7209	-0.1134	-0.1077	-0.0501	-0.0272

ARCO ORNAMENTAL

RESULTADO DE ANALISIS ESTRUCTURAL - TECHO ARNAMENTAL (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames

ELE.	Stat.	OutputCase	P	V2	M3
Text	m	Text	Ton	Ton	Ton-m
		BRIDA SUPERIOR			
2701	0.00	DEAD	3.35E-01	1.69E-02	-7.44E-04
	0.50	DEAD	3.39E-01	2.02E-02	-1.00E-02
	0.00	COBERT	1.24E-01	1.13E-02	-2.77E-04
	0.50	COBERT	1.24E-01	1.13E-02	-5.93E-03
	0.00	CORREAS	6.85E-02	2.54E-02	-5.83E-04
	0.50	CORREAS	6.85E-02	2.54E-02	-1.33E-02
	0.00	VIVA	4.96E-01	4.53E-02	-1.11E-03
	0.50	VIVA	4.96E-01	4.53E-02	-2.37E-02
	0.00	VIENTO	7.17E-01	6.55E-02	-1.60E-03
	0.50	VIENTO	7.17E-01	6.55E-02	-3.43E-02
	0.00	ESPECTRO	2.20E-02	2.15E-03	2.20E-04
	0.50	ESPECTRO	2.20E-02	2.15E-03	1.02E-03
741	0.00	DEAD	6.42E-02	-3.81E-02	-1.26E-02
	0.50	DEAD	6.76E-02	-3.48E-02	5.58E-03
	0.00	COBERT	3.04E-02	-1.78E-02	-6.25E-03
	0.50	COBERT	3.04E-02	-1.78E-02	2.63E-03
	0.00	CORREAS	6.07E-02	-3.05E-02	-1.10E-02
	0.50	CORREAS	6.07E-02	-3.05E-02	4.22E-03
	0.00	VIVA	1.22E-01	-7.12E-02	-2.50E-02
	0.50	VIVA	1.22E-01	-7.12E-02	1.05E-02
	0.00	VIENTO	1.76E-01	-1.03E-01	-3.61E-02
	0.50	VIENTO	1.76E-01	-1.03E-01	1.52E-02
	0.00	ESPECTRO	3.73E-02	3.05E-03	1.11E-03
	0.50	ESPECTRO	3.73E-02	3.05E-03	4.42E-04
1008	0.00	DEAD	-4.40E-01	1.74E-03	7.72E-04
	0.37	DEAD	-4.40E-01	5.28E-03	-5.34E-04
	0.00	COBERT	-3.55E-01	1.71E-03	5.68E-04
	0.37	COBERT	-3.55E-01	1.71E-03	-6.66E-05
	0.00	CORREAS	-2.35E-01	6.21E-04	2.39E-04
	0.37	CORREAS	-2.35E-01	6.21E-04	8.13E-06
	0.00	VIVA	-1.42E+00	6.83E-03	2.27E-03
	0.37	VIVA	-1.42E+00	6.83E-03	-2.66E-04
	0.00	VIENTO	-2.05E+00	9.86E-03	3.28E-03
	0.37	VIENTO	-2.05E+00	9.86E-03	-3.85E-04
	0.00	ESPECTRO	6.28E-02	4.33E-04	1.36E-04
	0.37	ESPECTRO	6.28E-02	4.33E-04	3.54E-05
1009	0.00	DEAD	-3.49E-01	-9.62E-04	-7.11E-05
	0.37	DEAD	-3.49E-01	2.57E-03	-3.71E-04
	0.00	COBERT	-3.01E-01	2.22E-04	1.07E-04
	0.37	COBERT	-3.01E-01	2.22E-04	2.42E-05
	0.00	CORREAS	-2.01E-01	-9.54E-04	-1.27E-04
	0.37	CORREAS	-2.01E-01	-9.54E-04	2.28E-04
	0.00	VIVA	-1.20E+00	8.88E-04	4.27E-04
	0.37	VIVA	-1.20E+00	8.88E-04	9.69E-05
	0.00	VIENTO	-1.74E+00	1.28E-03	6.16E-04
	0.37	VIENTO	-1.74E+00	1.28E-03	1.40E-04
	0.00	ESPECTRO	5.45E-02	5.94E-05	1.58E-05
	0.37	ESPECTRO	5.45E-02	5.94E-05	3.06E-05
1010	0.00	DEAD	-2.87E-01	-1.07E-03	-1.89E-04
	0.37	DEAD	-2.87E-01	2.46E-03	-4.47E-04
	0.00	COBERT	-2.33E-01	2.23E-04	4.84E-05
	0.37	COBERT	-2.33E-01	2.23E-04	-3.46E-05
	0.00	CORREAS	-1.74E-01	1.79E-04	3.25E-05
	0.37	CORREAS	-1.74E-01	1.79E-04	-3.41E-05
	0.00	VIVA	-9.33E-01	8.93E-04	1.94E-04
	0.37	VIVA	-9.33E-01	8.93E-04	-1.38E-04
	0.00	VIENTO	-1.35E+00	1.29E-03	2.80E-04
	0.37	VIENTO	-1.35E+00	1.29E-03	-2.00E-04
	0.00	ESPECTRO	4.54E-02	4.98E-05	1.56E-05
	0.37	ESPECTRO	4.54E-02	4.98E-05	3.08E-05
1011	0.00	DEAD	-2.67E-01	-1.63E-03	-3.37E-04
	0.37	DEAD	-2.68E-01	1.89E-03	-3.86E-04
	0.00	COBERT	-1.66E-01	2.52E-05	-4.36E-05
	0.37	COBERT	-1.66E-01	2.52E-05	-5.30E-05
	0.00	CORREAS	-1.71E-01	-9.25E-04	-1.68E-04
	0.37	CORREAS	-1.71E-01	-9.25E-04	1.76E-04
	0.00	VIVA	-6.64E-01	1.01E-04	-1.75E-04
	0.37	VIVA	-6.64E-01	1.01E-04	-2.12E-04
	0.00	VIENTO	-9.60E-01	1.46E-04	-2.52E-04
	0.37	VIENTO	-9.60E-01	1.46E-04	-3.06E-04
	0.00	ESPECTRO	4.22E-02	1.57E-05	2.41E-05
	0.37	ESPECTRO	4.22E-02	1.57E-05	2.73E-05
	0.00	DEAD	-2.69E-01	-2.58E-03	-5.44E-04
	0.37	DEAD	-2.70E-01	9.36E-04	-2.39E-04
	0.00	COBERT	-1.45E-01	-4.19E-04	-1.66E-04

ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
		BRIDA SUPERIOR					
2701	COMB1	0.7390	0.7437	0.0751	0.0797	-0.0022	-0.0409
	COMB2	1.4278	1.4318	0.1369	0.1409	-0.0037	-0.0730
	COMB3	1.8140	1.8181	0.1721	0.1761	-0.0046	-0.0915
	COMB4	-0.0508	-0.0467	0.0019	0.0059	-0.0004	-0.0023
	COMB5	1.2072	1.2112	0.1167	0.1207	-0.0032	-0.0625
	COMB6	0.0596	0.0637	0.0120	0.0160	-0.0006	-0.0076
	COMB7	1.4075	1.5699	0.1334	0.1535	-0.0035	-0.0796
	COMB8	-0.4574	-0.4543	-0.0369	-0.0339	0.0006	0.0183
	COMB9	0.9036	0.9076	0.0892	0.0932	-0.0023	-0.0459
	COMB10	0.4970	0.5000	0.0504	0.0534	-0.0012	-0.0253
741	COMB1	0.2176	0.2223	-0.1209	-0.1162	-0.0418	0.0174
	COMB2	0.3813	0.3854	-0.2175	-0.2135	-0.0758	0.0318
	COMB3	0.4761	0.4801	-0.2729	-0.2689	-0.0953	0.0400
	COMB4	0.0187	0.0228	-0.0056	-0.0016	-0.0014	0.0004
	COMB5	0.3272	0.3313	-0.1859	-0.1819	-0.0647	0.0271
	COMB6	0.0458	0.0498	-0.0214	-0.0174	-0.0069	0.0027
	COMB7	0.3686	0.4193	-0.2114	-0.2333	-0.0738	0.0347
	COMB8	-0.0888	-0.0858	0.0559	0.0589	0.0201	-0.0086
	COMB9	0.2847	0.2887	-0.1362	-0.1322	-0.0472	0.0206
	COMB10	0.1772	0.1802	-0.0747	-0.0717	-0.0258	0.0116
1008	COMB1	-1.4423	-1.4423	0.0057	0.0107	0.0022	-0.0008
	COMB2	-3.5100	-3.5100	0.0158	0.0201	0.0055	-0.0011
	COMB3	-4.6157	-4.6157	0.0211	0.0254	0.0073	-0.0013
	COMB4	0.7221	0.7221	-0.0045	-0.0003	-0.0012	-0.0003
	COMB5	-2.8786	-2.8787	0.0128	0.0170	0.0045	-0.0010
	COMB6	0.4062	0.4061	-0.0030	0.0012	-0.0007	-0.0004
	COMB7	-3.5961	-3.9052	0.0165	0.0220	0.0057	-0.0012
	COMB8	1.7417	1.7417	-0.0092	-0.0060	-0.0028	0.0000
	COMB9	-1.8840	-1.8841	0.0087	0.0130	0.0032	-0.0008
	COMB10	-0.8644	-0.8644	0.0041	0.0073	0.0016	-0.0005
1009	COMB1	-1.1917	-1.1919	-0.0024	0.0026	-0.0001	-0.0002
	COMB2	-2.9474	-2.9475	-0.0006	0.0036	0.0006	0.0000
	COMB3	-3.8840	-3.8841	0.0001	0.0043	0.0009	0.0001
	COMB4	0.6374	0.6372	-0.0033	0.0010	-0.0007	-0.0003
	COMB5	-2.4126	-2.4128	-0.0010	0.0032	0.0004	0.0000
	COMB6	0.3698	0.3696	-0.0031	0.0012	-0.0006	-0.0003
	COMB7	-3.0267	-3.2823	0.0001	0.0039	0.0007	0.0000
	COMB8	1.4946	1.4945	-0.0032	0.0000	-0.0009	-0.0003
	COMB9	-1.5688	-1.5690	-0.0015	0.0027	0.0001	-0.0001
	COMB10	-0.7116	-0.7117	-0.0015	0.0017	-0.0001	-0.0001
1010	COMB1	-0.9725	-0.9728	-0.0009	0.0040	-0.0002	-0.0007
	COMB2	-2.3258	-2.3261	0.0006	0.0049	0.0002	-0.0008
	COMB3	-3.0514	-3.0517	0.0013	0.0056	0.0003	-0.0009
	COMB4	0.4516	0.4513	-0.0020	0.0022	-0.0004	-0.0004
	COMB5	-1.9114	-1.9117	0.0002	0.0045	0.0001	-0.0008
	COMB6	0.2443	0.2440	-0.0018	0.0024	-0.0004	-0.0005
	COMB7	-2.3767	-2.5854	0.0011	0.0051	0.0003	-0.0009
	COMB8	1.1263	1.1261	-0.0023	0.0009	-0.0005	-0.0002
	COMB9	-1.2545	-1.2548	-0.0003	0.0039	0.0000	-0.0007
	COMB10	-0.5798	-0.5800	-0.0006	0.0026	-0.0001	-0.0004
1011	COMB1	-0.8470	-0.8474	-0.0035	0.0014	-0.0008	-0.0004
	COMB2	-1.7889	-1.7893	-0.0029	0.0014	-0.0009	-0.0007
	COMB3	-2.3058	-2.3062	-0.0028	0.0014	-0.0011	-0.0008
	COMB4	0.1896	0.1892	-0.0032	0.0011	-0.0004	0.0000
	COMB5	-1.4938	-1.4942	-0.0029	0.0013	-0.0009	-0.0006
	COMB6	0.0418	0.0415	-0.0032	0.0011	-0.0005	-0.0001
	COMB7	-1.7922	-1.9740	-0.0021	0.0014	-0.0008	-0.0007
	COMB8	0.7032	0.7029	-0.0025	0.0007	-0.0002	0.0002
	COMB9	-1.0159	-1.0163	-0.0030	0.0013	-0.0007	-0.0004
	COMB10	-0.5023	-0.5026	-0.0023	0.0009	-0.0005	-0.0002
	COMB1	-0.8181	-0.8186	-0.0046	0.0003	-0.0011	-0.0003
	COMB2	-1.6276	-1.6281	-0.0066	-0.0024	-0.0020	-0.0003

RESULTADO DE ANALISIS ESTRUCTURAL - TECHO ARNAMENTAL (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames

ELE.	Stat.	OutputCase	P	V2	M3	ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
Text	m	Text	Ton	Ton	Ton-m								
	0.37	COBERT	-1.45E-01	-4.19E-04	-1.06E-05		COMB3	-2.0780	-2.0785	-0.0079	-0.0037	-0.0025	-0.0003
	0.00	CORREAS	-1.70E-01	-3.05E-04	-6.85E-05		COMB4	0.0967	0.0962	-0.0017	0.0026	0.0000	-0.0002
1012	0.37	CORREAS	-1.70E-01	-3.05E-04	4.49E-05	1012	COMB5	-1.3703	-1.3708	-0.0059	-0.0017	-0.0017	-0.0003
	0.00	VIVA	-5.79E-01	-1.67E-03	-6.65E-04		COMB6	-0.0320	-0.0325	-0.0020	0.0022	-0.0002	-0.0002
	0.37	VIVA	-5.79E-01	-1.67E-03	-4.25E-05		COMB7	-1.6133	-1.7890	-0.0061	-0.0029	-0.0020	-0.0003
	0.00	VIENTO	-8.36E-01	-2.42E-03	-9.61E-04		COMB8	0.5615	0.5611	0.0002	0.0033	0.0005	-0.0001
	0.37	VIENTO	-8.36E-01	-2.42E-03	-6.13E-05		COMB9	-0.9468	-0.9473	-0.0047	-0.0005	-0.0012	-0.0002
	0.00	ESPECTRO	4.39E-02	6.00E-05	3.93E-05		COMB10	-0.4820	-0.4824	-0.0029	0.0003	-0.0007	-0.0002
	0.37	ESPECTRO	4.39E-02	6.00E-05	2.22E-05								
	0.00	DEAD	-2.91E-01	-4.12E-03	-7.88E-04								
	0.37	DEAD	-2.92E-01	-6.15E-04	9.15E-05		COMB1	-0.8557	-0.8564	-0.0097	-0.0048	-0.0019	0.0007
	0.00	COBERT	-1.42E-01	-9.57E-04	-2.56E-04		COMB2	-1.6400	-1.6406	-0.0144	-0.0102	-0.0033	0.0013
	0.37	COBERT	-1.42E-01	-9.57E-04	9.97E-05		COMB3	-2.0808	-2.0814	-0.0174	-0.0132	-0.0041	0.0016
	0.00	CORREAS	-1.78E-01	-1.83E-03	-3.45E-04		COMB4	0.0473	0.0467	-0.0030	0.0012	-0.0003	0.0001
1013	0.37	CORREAS	-1.78E-01	-1.83E-03	3.34E-04	1013	COMB5	-1.3883	-1.3889	-0.0127	-0.0085	-0.0029	0.0011
	0.00	VIVA	-5.67E-01	-3.83E-03	-1.02E-03		COMB6	-0.0787	-0.0793	-0.0039	0.0003	-0.0005	0.0002
	0.37	VIVA	-5.67E-01	-3.83E-03	3.99E-04		COMB7	-1.6142	-1.7981	-0.0134	-0.0113	-0.0032	0.0014
	0.00	VIENTO	-8.18E-01	-5.53E-03	-1.48E-03		COMB8	0.5139	0.5135	0.0010	0.0041	0.0007	-0.0003
	0.37	VIENTO	-8.18E-01	-5.53E-03	5.76E-04		COMB9	-0.9728	-0.9735	-0.0100	-0.0058	-0.0021	0.0009
	0.00	ESPECTRO	4.39E-02	2.08E-04	5.52E-05		COMB10	-0.5062	-0.5066	-0.0060	-0.0029	-0.0012	0.0005
	0.37	ESPECTRO	4.39E-02	2.08E-04	3.41E-05								
	0.00	DEAD	-2.23E-01	-4.62E-03	-9.50E-04								
	0.37	DEAD	-2.24E-01	-1.13E-03	1.20E-04		COMB1	-0.6437	-0.6445	-0.0095	-0.0046	-0.0021	0.0005
	0.00	COBERT	-1.05E-01	-1.19E-03	-3.31E-04		COMB2	-1.2244	-1.2251	-0.0158	-0.0116	-0.0039	0.0012
	0.37	COBERT	-1.05E-01	-1.19E-03	1.13E-04		COMB3	-1.5515	-1.5522	-0.0195	-0.0153	-0.0050	0.0015
	0.00	CORREAS	-1.32E-01	-9.67E-04	-2.28E-04		COMB4	0.0276	0.0269	-0.0016	0.0026	0.0000	-0.0002
1014	0.37	CORREAS	-1.32E-01	-9.67E-04	1.32E-04	1014	COMB5	-1.0376	-1.0384	-0.0137	-0.0095	-0.0033	0.0010
	0.00	VIVA	-4.20E-01	-4.77E-03	-1.32E-03		COMB6	-0.0659	-0.0666	-0.0026	0.0016	-0.0003	-0.0001
	0.37	VIVA	-4.20E-01	-4.77E-03	4.51E-04		COMB7	-1.2034	-1.3420	-0.0151	-0.0129	-0.0038	0.0013
	0.00	VIENTO	-6.07E-01	-6.90E-03	-1.91E-03		COMB8	0.3757	0.3752	0.0029	0.0060	0.0011	-0.0005
	0.37	VIENTO	-6.07E-01	-6.90E-03	6.52E-04		COMB9	-0.7275	-0.7282	-0.0102	-0.0061	-0.0024	0.0007
	0.00	ESPECTRO	3.44E-02	2.86E-04	7.84E-05		COMB10	-0.3794	-0.3799	-0.0058	-0.0027	-0.0013	0.0004
	0.37	ESPECTRO	3.44E-02	2.86E-04	3.61E-05								
	0.00	DEAD	-2.32E-01	-4.93E-03	-1.03E-03								
	0.37	DEAD	-2.33E-01	-1.46E-03	1.60E-04		COMB1	-0.6605	-0.6615	-0.0113	-0.0065	-0.0025	0.0008
	0.00	COBERT	-1.07E-01	-1.30E-03	-3.63E-04		COMB2	-1.2481	-1.2489	-0.0180	-0.0138	-0.0045	0.0014
	0.37	COBERT	-1.07E-01	-1.30E-03	1.19E-04		COMB3	-1.5797	-1.5806	-0.0220	-0.0179	-0.0056	0.0018
	0.00	CORREAS	-1.33E-01	-1.86E-03	-4.12E-04		COMB4	0.0212	0.0204	-0.0026	0.0016	-0.0002	0.0000
1015	0.37	CORREAS	-1.33E-01	-1.86E-03	2.79E-04	1015	COMB5	-1.0587	-1.0596	-0.0157	-0.0115	-0.0038	0.0012
	0.00	VIVA	-4.26E-01	-5.18E-03	-1.45E-03		COMB6	-0.0735	-0.0744	-0.0037	0.0005	-0.0005	0.0001
	0.37	VIVA	-4.26E-01	-5.18E-03	4.77E-04		COMB7	-1.2251	-1.3675	-0.0170	-0.0153	-0.0043	0.0016
	0.00	VIENTO	-6.16E-01	-7.49E-03	-2.10E-03		COMB8	0.3759	0.3752	0.0025	0.0056	0.0011	-0.0004
	0.37	VIENTO	-6.16E-01	-7.49E-03	6.89E-04		COMB9	-0.7437	-0.7445	-0.0119	-0.0078	-0.0028	0.0010
	0.00	ESPECTRO	3.56E-02	3.48E-04	9.00E-05		COMB10	-0.3890	-0.3896	-0.0069	-0.0038	-0.0015	0.0005
	0.37	ESPECTRO	3.56E-02	3.48E-04	4.70E-05								
	0.00	DEAD	-2.81E-01	-5.11E-03	-9.81E-04								
	0.37	DEAD	-2.82E-01	-1.66E-03	2.78E-04		COMB1	-0.7718	-0.7729	-0.0104	-0.0056	-0.0022	0.0008
	0.00	COBERT	-1.22E-01	-1.37E-03	-3.40E-04		COMB2	-1.4428	-1.4438	-0.0177	-0.0136	-0.0040	0.0018
	0.37	COBERT	-1.22E-01	-1.37E-03	1.69E-04		COMB3	-1.8228	-1.8237	-0.0220	-0.0178	-0.0051	0.0023
	0.00	CORREAS	-1.48E-01	-9.78E-04	-2.29E-04		COMB4	0.0114	0.0104	-0.0014	0.0027	0.0000	-0.0002
1016	0.37	CORREAS	-1.48E-01	-9.78E-04	1.35E-04	1016	COMB5	-1.2259	-1.2268	-0.0153	-0.0111	-0.0034	0.0015
	0.00	VIVA	-4.88E-01	-5.48E-03	-1.36E-03		COMB6	-0.0972	-0.0982	-0.0026	0.0015	-0.0003	-0.0001
	0.37	VIVA	-4.88E-01	-5.48E-03	6.76E-04		COMB7	-1.4132	-1.5795	-0.0170	-0.0151	-0.0040	0.0020
	0.00	VIENTO	-7.05E-01	-7.91E-03	-1.97E-03		COMB8	0.4209	0.4202	0.0036	0.0067	0.0012	-0.0007
	0.37	VIENTO	-7.05E-01	-7.91E-03	9.77E-04		COMB9	-0.8658	-0.8668	-0.0113	-0.0072	-0.0025	0.0011
	0.00	ESPECTRO	3.99E-02	3.68E-04	8.59E-05		COMB10	-0.4563	-0.4570	-0.0063	-0.0032	-0.0013	0.0006
	0.37	ESPECTRO	3.99E-02	3.68E-04	5.57E-05								
	0.00	DEAD	-2.29E-01	-4.77E-03	-9.22E-04								
	0.37	DEAD	-2.30E-01	-1.34E-03	2.15E-04		COMB1	-0.5966	-0.5978	-0.0104	-0.0056	-0.0022	0.0008
	0.00	COBERT	-8.92E-02	-1.08E-03	-2.95E-04		COMB2	-1.0820	-1.0831	-0.0159	-0.0117	-0.0038	0.0014
	0.37	COBERT	-8.92E-02	-1.08E-03	1.07E-04		COMB3	-1.3595	-1.3606	-0.0192	-0.0151	-0.0047	0.0017
	0.00	CORREAS	-1.08E-01	-1.59E-03	-3.52E-04		COMB4	-0.0199	-0.0209	-0.0030	0.0011	-0.0003	0.0001
1017	0.37	CORREAS	-1.08E-01	-1.59E-03	2.40E-04	1017	COMB5	-0.9236	-0.9246	-0.0139	-0.0098	-0.0032	0.0012
	0.00	VIVA	-3.57E-01	-4.32E-03	-1.18E-03		COMB6	-0.0992	-0.1002	-0.0039	0.0002	-0.0005	0.0002
	0.37	VIVA	-3.57E-01	-4.32E-03	4.29E-04		COMB7	-1.0534	-1.1823	-0.0148	-0.0129	-0.0036	0.0015
	0.00	VIENTO	-5.15E-01	-6.25E-03	-1.70E-03		COMB8	0.2863	0.2855	0.0014	0.0045	0.0008	-0.0003
	0.37	VIENTO	-5.15E-01	-6.25E-03	6.20E-04		COMB9	-0.6526	-0.6537	-0.0108	-0.0067	-0.0024	0.0009
	0.00	ESPECTRO	3.71E-02	2.95E-04	7.42E-05		COMB10	-0.3464	-0.3472	-0.0064	-0.0033	-0.0013	0.0005
	0.37	ESPECTRO	3.71E-02	2.95E-04	4.22E-05								
	0.00	DEAD	-3.20E-01	-4.78E-03	-8.30E-04								
	0.37	DEAD	-3.21E-01	-1.37E-03	3.14E-04		COMB1	-0.8161	-0.8174	-0.0092	-0.0044	-0.0018	0.0007
	0.00	COBERT	-1.19E-01	-1.14E-03	-2.72E-04		COMB2	-1.4604	-1.4616	-0.0152	-0.0111	-0.0033	0.0016
	0.37	COBERT	-1.19E-01	-1.14E-03	1.51E-04		COMB3	-1.8304	-1.8316	-0.0187	-0.0146	-0.0041	0.0021
	0.00	CORREAS	-1.44E-01	-6.55E-04	-1.81E-04		COMB4	-0.0442	-0.0453	-0.0016	0.0025	0.0000	-0.0002
1018	0.37	CORREAS	-1.44E-01	-6.55E-04	6.29E-05	1018	COMB5	-1.2491	-1.2503	-0.0131	-0.0090	-0.0028	0.0013
	0.00	VIVA	-4.76E-01	-4.55E-03	-1.09E-03		COMB6	-0.1499	-0.1510	-0.0026	0.0015	-0.0003	-0.0001

RESULTADO DE ANALISIS ESTRUCTURAL - TECHO ARNAMENTAL (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames													
ELE.	Stat.	OutputCase	P	V2	M3	ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
Text	m	Text	Ton	Ton	Ton-m								
	0.37	VIVA	-4.76E-01	-4.55E-03	6.03E-04		COMB7	-1.4178	-1.5938	-0.0145	-0.0123	-0.0032	0.0018
	0.00	VIENTO	-6.87E-01	-6.57E-03	-1.57E-03		COMB8	0.3685	0.3676	0.0026	0.0057	0.0009	-0.0007
	0.37	VIENTO	-6.87E-01	-6.57E-03	8.72E-04		COMB9	-0.8876	-0.8888	-0.0099	-0.0058	-0.0020	0.0010
	0.00	ESPECTRO	4.97E-02	2.57E-04	4.73E-05		COMB10	-0.4750	-0.4758	-0.0057	-0.0026	-0.0011	0.0005
	0.37	ESPECTRO	4.97E-02	2.57E-04	5.01E-05								
	0.00	DEAD	-2.12E-01	-4.31E-03	-6.54E-04								
	0.37	DEAD	-2.13E-01	-9.24E-04	3.20E-04		COMB1	-0.5084	-0.5099	-0.0088	-0.0040	-0.0015	0.0009
	0.00	COBERT	-7.45E-02	-9.82E-04	-2.17E-04		COMB2	-0.9129	-0.9141	-0.0138	-0.0097	-0.0027	0.0017
	0.37	COBERT	-7.45E-02	-9.82E-04	1.48E-04		COMB3	-1.1449	-1.1462	-0.0169	-0.0128	-0.0033	0.0022
	0.00	CORREAS	-7.70E-02	-9.76E-04	-1.98E-04		COMB4	-0.0248	-0.0261	-0.0021	0.0020	-0.0001	-0.0001
1019	0.37	CORREAS	-7.70E-02	-9.76E-04	1.66E-04	1019	COMB5	-0.7804	-0.7817	-0.0121	-0.0080	-0.0023	0.0014
	0.00	VIVA	-2.98E-01	-3.93E-03	-8.69E-04		COMB6	-0.0911	-0.0924	-0.0030	0.0011	-0.0003	0.0001
	0.37	VIVA	-2.98E-01	-3.93E-03	5.94E-04		COMB7	-0.8869	-0.9971	-0.0130	-0.0108	-0.0026	0.0019
	0.00	VIENTO	-4.31E-01	-5.68E-03	-1.26E-03		COMB8	0.2332	0.2323	0.0017	0.0048	0.0007	-0.0005
	0.37	VIENTO	-4.31E-01	-5.68E-03	8.58E-04		COMB9	-0.5475	-0.5488	-0.0091	-0.0051	-0.0017	0.0011
	0.00	ESPECTRO	3.74E-02	3.59E-04	5.76E-05		COMB10	-0.2895	-0.2904	-0.0053	-0.0022	-0.0009	0.0006
	0.37	ESPECTRO	3.74E-02	3.59E-04	7.75E-05								
	0.00	DEAD	-1.63E-01	-2.51E-03	-4.83E-04								
	0.37	DEAD	-1.64E-01	8.51E-04	-1.75E-04		COMB1	-0.3676	-0.3692	-0.0013	0.0034	-0.0007	-0.0011
	0.00	COBERT	-4.70E-02	7.59E-06	-1.21E-04		COMB2	-0.6162	-0.6176	-0.0011	0.0030	-0.0014	-0.0017
	0.37	COBERT	-4.70E-02	7.59E-06	-1.24E-04		COMB3	-0.7627	-0.7640	-0.0011	0.0030	-0.0018	-0.0021
	0.00	CORREAS	-5.26E-02	1.56E-03	9.10E-05		COMB4	-0.0558	-0.0572	-0.0012	0.0029	0.0001	-0.0003
	0.37	CORREAS	-5.26E-02	1.56E-03	-4.90E-04		COMB5	-0.5326	-0.5340	-0.0011	0.0029	-0.0012	-0.0015
1020	0.00	VIVA	-1.88E-01	3.04E-05	-4.86E-04	1020	COMB6	-0.0976	-0.0990	-0.0012	0.0029	-0.0001	-0.0004
	0.37	VIVA	-1.88E-01	3.04E-05	-4.97E-04		COMB7	-0.5898	-0.6699	-0.0008	0.0030	-0.0014	-0.0019
	0.00	VIENTO	-2.72E-01	4.39E-05	-7.02E-04		COMB8	0.1171	0.1161	-0.0009	0.0021	0.0004	0.0002
	0.37	VIENTO	-2.72E-01	4.39E-05	-7.18E-04		COMB9	-0.3796	-0.3810	-0.0008	0.0032	-0.0009	-0.0011
	0.00	ESPECTRO	2.96E-02	2.65E-04	5.57E-06		COMB10	-0.2067	-0.2078	-0.0006	0.0024	-0.0005	-0.0006
	0.37	ESPECTRO	2.96E-02	2.65E-04	9.80E-05								
	0.00	DEAD	-6.45E-01	1.37E-03	7.74E-04								
	0.37	DEAD	-6.46E-01	4.70E-03	-3.58E-04		COMB1	-1.6301	-1.6319	-0.0002	0.0044	0.0015	0.0007
	0.00	COBERT	-2.50E-01	5.15E-04	2.57E-04		COMB2	-2.9999	-3.0013	0.0031	0.0071	0.0029	0.0010
	0.37	COBERT	-2.50E-01	5.15E-04	6.52E-05		COMB3	-3.7792	-3.7807	0.0047	0.0087	0.0037	0.0012
	0.00	CORREAS	-2.69E-01	-2.04E-03	5.21E-05		COMB4	-0.0170	-0.0184	-0.0030	0.0010	-0.0001	0.0003
	0.37	CORREAS	-2.69E-01	-2.04E-03	8.11E-04		COMB5	-2.5549	-2.5564	0.0022	0.0062	0.0025	0.0009
1021	0.00	VIVA	-1.00E+00	2.06E-03	1.03E-03	1021	COMB6	-0.2397	-0.2411	-0.0026	0.0014	0.0001	0.0003
	0.37	VIVA	-1.00E+00	2.06E-03	2.61E-04		COMB7	-2.9291	-3.2799	0.0037	0.0077	0.0029	0.0011
	0.00	VIENTO	-1.45E+00	2.98E-03	1.49E-03		COMB8	0.8332	0.8321	-0.0040	-0.0010	-0.0010	0.0000
	0.37	VIENTO	-1.45E+00	2.98E-03	3.77E-04		COMB9	-1.7743	-1.7758	0.0020	0.0059	0.0020	0.0011
	0.00	ESPECTRO	1.24E-01	1.10E-03	1.46E-04		COMB10	-0.9242	-0.9253	0.0010	0.0040	0.0011	0.0008
	0.37	ESPECTRO	1.24E-01	1.10E-03	3.05E-04								
	0.00	DEAD	-6.87E-01	1.58E-03	6.77E-04								
	0.35	DEAD	-6.87E-01	3.30E-03	-1.84E-04		COMB1	-1.9745	-1.9745	0.0088	0.0113	0.0027	-0.0008
	0.00	COBERT	-3.38E-01	2.34E-03	6.12E-04		COMB2	-3.8538	-3.8538	0.0226	0.0246	0.0063	-0.0021
	0.35	COBERT	-3.38E-01	2.34E-03	-2.16E-04		COMB3	-4.9048	-4.9048	0.0298	0.0319	0.0082	-0.0027
	0.00	CORREAS	-3.86E-01	2.40E-03	6.67E-04		COMB4	0.1691	0.1691	-0.0053	-0.0033	-0.0010	0.0005
2992	0.35	CORREAS	-3.86E-01	2.40E-03	-1.82E-04	2992	COMB5	-3.2536	-3.2536	0.0184	0.0205	0.0052	-0.0017
	0.00	VIVA	-1.35E+00	9.36E-03	2.45E-03		COMB6	-0.1312	-0.1312	-0.0032	-0.0012	-0.0005	0.0003
	0.35	VIVA	-1.35E+00	9.36E-03	-8.62E-04		COMB7	-3.8063	-4.2294	0.0233	0.0272	0.0064	-0.0023
	0.00	VIENTO	-1.95E+00	1.35E-02	3.54E-03		COMB8	1.2677	1.2677	-0.0119	-0.0103	-0.0028	0.0011
	0.35	VIENTO	-1.95E+00	1.35E-02	-1.25E-03		COMB9	-2.2788	-2.2788	0.0127	0.0148	0.0037	-0.0011
	0.00	ESPECTRO	8.90E-02	4.27E-04	1.13E-04		COMB10	-1.1803	-1.1803	0.0061	0.0077	0.0019	-0.0005
	0.35	ESPECTRO	8.90E-02	4.27E-04	3.92E-05								
	0.00	DEAD	-6.83E-01	-2.10E-04	2.49E-04								
	0.35	DEAD	-6.83E-01	1.51E-03	1.98E-05		COMB1	-1.7625	-1.7625	0.0021	0.0045	0.0010	-0.0002
	0.00	COBERT	-2.22E-01	4.19E-04	8.80E-05		COMB2	-2.9308	-2.9308	0.0045	0.0065	0.0014	-0.0005
	0.35	COBERT	-2.22E-01	4.19E-04	-6.00E-05		COMB3	-3.6213	-3.6213	0.0058	0.0078	0.0017	-0.0007
	0.00	CORREAS	-3.54E-01	1.28E-03	3.58E-04		COMB4	-0.2876	-0.2876	-0.0005	0.0015	0.0003	0.0002
2993	0.35	CORREAS	-3.54E-01	1.28E-03	-9.45E-05	2993	COMB5	-2.5365	-2.5365	0.0037	0.0058	0.0012	-0.0004
	0.00	VIVA	-8.88E-01	1.67E-03	3.52E-04		COMB6	-0.4850	-0.4850	-0.0002	0.0019	0.0004	0.0001
	0.35	VIVA	-8.88E-01	1.67E-03	-2.40E-04		COMB7	-2.7999	-3.1776	0.0045	0.0070	0.0013	-0.0006
	0.00	VIENTO	-1.28E+00	2.42E-03	5.09E-04		COMB8	0.5338	0.5338	-0.0018	-0.0003	0.0000	0.0003
	0.35	VIENTO	-1.28E+00	2.42E-03	-3.47E-04		COMB9	-1.8642	-1.8642	0.0028	0.0048	0.0011	-0.0003
	0.00	ESPECTRO	9.03E-02	1.52E-04	4.93E-05		COMB10	-1.0428	-1.0428	0.0015	0.0030	0.0007	-0.0001
	0.35	ESPECTRO	9.03E-02	1.52E-04	1.23E-05								
	0.00	DEAD	-6.76E-01	4.62E-04	4.46E-04								
	0.35	DEAD	-6.76E-01	2.18E-03	-2.07E-05		COMB1	-1.6691	-1.6691	0.0033	0.0057	0.0013	-0.0003
	0.00	COBERT	-1.75E-01	4.75E-04	1.06E-04		COMB2	-2.5526	-2.5526	0.0059	0.0080	0.0018	-0.0006
	0.35	COBERT	-1.75E-01	4.75E-04	-6.21E-05		COMB3	-3.0982	-3.0982	0.0074	0.0094	0.0022	-0.0008
	0.00	CORREAS	-3.41E-01	1.45E-03	4.02E-04		COMB4	-0.4644	-0.4644	0.0002	0.0023	0.0006	0.0001
2994	0.35	CORREAS	-3.41E-01	1.45E-03	-1.10E-04	2994	COMB5	-2.2411	-2.2411	0.0051	0.0071	0.0016	-0.0005
	0.00	VIVA	-7.01E-01	1.90E-03	4.24E-04		COMB6	-0.6203	-0.6203	0.0007	0.0027	0.0007	0.0001
	0.35	VIVA	-7.01E-01	1.90E-03	-2.48E-04		COMB7	-2.3899	-2.7476	0.0057	0.0085	0.0017	-0.0007
	0.00	VIENTO	-1.01E+00	2.75E-03	6.13E-04		COMB8	0.2439	0.2439	-0.0014	0.0001	0.0001	0.0003
	0.35	VIENTO	-1.01E+00	2.75E-03	-3.59E-04		COMB9	-1.6912	-1.6912	0.0041	0.0061	0.0014	-0.0003
	0.00	ESPECTRO	9.01E-02	2.43E-04	7.51E-05		COMB10	-0.9829	-0.9829	0.0024	0.0039	0.0009	-0.0002

RESULTADO DE ANALISIS ESTRUCTURAL - TECHO ARNAMENTAL (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames

ELE.	Stat.	OutputCase	P	V2	M3	ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
Text	m	Text	Ton	Ton	Ton-m								
	0.35	ESPECTRO	9.01E-02	2.43E-04	1.65E-05								
	0.00	DEAD	-6.71E-01	6.81E-04	5.16E-04								
	0.35	DEAD	-6.71E-01	2.40E-03	-2.82E-05		COMB1	-1.6309	-1.6309	0.0034	0.0058	0.0014	-0.0002
	0.00	COBERT	-1.58E-01	3.25E-04	7.61E-05		COMB2	-2.4087	-2.4087	0.0050	0.0070	0.0017	-0.0005
	0.35	COBERT	-1.58E-01	3.25E-04	-3.86E-05		COMB3	-2.9003	-2.9003	0.0060	0.0081	0.0019	-0.0006
	0.00	CORREAS	-3.36E-01	1.42E-03	3.95E-04		COMB4	-0.5273	-0.5273	0.0011	0.0032	0.0008	0.0000
2995	0.35	CORREAS	-3.36E-01	1.42E-03	-1.06E-04	2995	COMB5	-2.1281	-2.1281	0.0044	0.0065	0.0015	-0.0004
	0.00	VIVA	-6.32E-01	1.30E-03	3.04E-04		COMB6	-0.6678	-0.6678	0.0014	0.0035	0.0008	0.0000
	0.35	VIVA	-6.32E-01	1.30E-03	-1.55E-04		COMB7	-2.2349	-2.5844	0.0046	0.0074	0.0015	-0.0005
	0.00	VIENTO	-9.13E-01	1.88E-03	4.40E-04		COMB8	0.1380	0.1380	-0.0003	0.0013	0.0003	0.0001
	0.35	VIENTO	-9.13E-01	1.88E-03	-2.23E-04		COMB9	-1.6240	-1.6240	0.0038	0.0059	0.0014	-0.0003
	0.00	ESPECTRO	8.98E-02	2.66E-04	8.30E-05		COMB10	-0.9587	-0.9587	0.0024	0.0040	0.0010	-0.0001
	0.35	ESPECTRO	8.98E-02	2.66E-04	1.72E-05								
	0.00	DEAD	-6.67E-01	9.99E-04	6.00E-04								
	0.35	DEAD	-6.67E-01	2.72E-03	-5.67E-05		COMB1	-1.6125	-1.6125	0.0037	0.0061	0.0015	-0.0002
	0.00	COBERT	-1.51E-01	1.97E-04	6.04E-05		COMB2	-2.3461	-2.3461	0.0044	0.0065	0.0017	-0.0003
	0.35	COBERT	-1.51E-01	1.97E-04	-9.37E-06		COMB3	-2.8149	-2.8149	0.0050	0.0071	0.0018	-0.0003
	0.00	CORREAS	-3.34E-01	1.44E-03	4.01E-04		COMB4	-0.5518	-0.5518	0.0021	0.0041	0.0009	-0.0002
2996	0.35	CORREAS	-3.34E-01	1.44E-03	-1.09E-04	2996	COMB5	-2.0785	-2.0785	0.0041	0.0061	0.0016	-0.0003
	0.00	VIVA	-6.03E-01	7.89E-04	2.42E-04		COMB6	-0.6858	-0.6858	0.0023	0.0043	0.0010	-0.0002
	0.35	VIVA	-6.03E-01	7.89E-04	-3.75E-05		COMB7	-2.1682	-2.5137	0.0039	0.0067	0.0014	-0.0003
	0.00	VIENTO	-8.70E-01	1.14E-03	3.49E-04		COMB8	0.0950	0.0950	0.0009	0.0024	0.0005	-0.0001
	0.35	VIENTO	-8.70E-01	1.14E-03	-5.42E-05		COMB9	-1.5939	-1.5939	0.0039	0.0059	0.0015	-0.0002
	0.00	ESPECTRO	8.94E-02	3.01E-04	9.24E-05		COMB10	-0.9471	-0.9471	0.0027	0.0042	0.0010	-0.0001
	0.35	ESPECTRO	8.94E-02	3.01E-04	2.00E-05								
	0.00	DEAD	-6.65E-01	6.83E-04	6.17E-04								
	0.35	DEAD	-6.65E-01	2.40E-03	7.14E-05		COMB1	-1.6021	-1.6021	0.0032	0.0056	0.0015	-0.0001
	0.00	COBERT	-1.47E-01	4.61E-04	8.26E-05		COMB2	-2.3147	-2.3147	0.0057	0.0078	0.0018	-0.0006
	0.35	COBERT	-1.47E-01	4.61E-04	-8.03E-05		COMB3	-2.7725	-2.7725	0.0071	0.0092	0.0021	-0.0008
	0.00	CORREAS	-3.33E-01	1.16E-03	3.79E-04		COMB4	-0.5623	-0.5623	0.0002	0.0023	0.0008	0.0004
2997	0.35	CORREAS	-3.33E-01	1.16E-03	-3.05E-05	2997	COMB5	-2.0533	-2.0533	0.0049	0.0070	0.0017	-0.0004
	0.00	VIVA	-5.88E-01	1.84E-03	3.30E-04		COMB6	-0.6932	-0.6932	0.0006	0.0027	0.0009	0.0003
	0.35	VIVA	-5.88E-01	1.84E-03	-3.21E-04		COMB7	-2.1350	-2.4783	0.0055	0.0083	0.0016	-0.0007
	0.00	VIENTO	-8.50E-01	2.66E-03	4.77E-04		COMB8	0.0752	0.0752	-0.0014	0.0002	0.0004	0.0006
	0.35	VIENTO	-8.50E-01	2.66E-03	-4.64E-04		COMB9	-1.5783	-1.5783	0.0039	0.0060	0.0016	-0.0002
	0.00	ESPECTRO	8.92E-02	2.60E-04	9.38E-05		COMB10	-0.9407	-0.9407	0.0023	0.0039	0.0011	0.0000
	0.35	ESPECTRO	8.92E-02	2.60E-04	1.23E-05								
	0.00	DEAD	-6.70E-01	3.41E-03	8.49E-04								
	0.35	DEAD	-6.70E-01	5.13E-03	-6.60E-04		COMB1	-1.6189	-1.6189	0.0104	0.0128	0.0022	-0.0019
	0.00	COBERT	-1.53E-01	1.54E-03	2.62E-04		COMB2	-2.3642	-2.3642	0.0188	0.0208	0.0036	-0.0034
	0.35	COBERT	-1.53E-01	1.54E-03	-2.81E-04		COMB3	-2.8391	-2.8391	0.0235	0.0256	0.0044	-0.0043
	0.00	CORREAS	-3.34E-01	2.49E-03	4.77E-04		COMB4	-0.5464	-0.5464	0.0005	0.0025	0.0005	-0.0001
2998	0.35	CORREAS	-3.34E-01	2.49E-03	-4.05E-04	2998	COMB5	-2.0930	-2.0930	0.0160	0.0181	0.0031	-0.0029
	0.00	VIVA	-6.10E-01	6.14E-03	1.05E-03		COMB6	-0.6821	-0.6821	0.0018	0.0039	0.0007	-0.0003
	0.35	VIVA	-6.10E-01	6.14E-03	-1.13E-03		COMB7	-2.1870	-2.5339	0.0182	0.0225	0.0034	-0.0037
	0.00	VIENTO	-8.82E-01	8.87E-03	1.51E-03		COMB8	0.1057	0.1057	-0.0048	-0.0033	-0.0005	0.0009
	0.35	VIENTO	-8.82E-01	8.87E-03	-1.63E-03		COMB9	-1.6011	-1.6011	0.0127	0.0147	0.0026	-0.0021
	0.00	ESPECTRO	9.16E-02	6.65E-04	1.31E-04		COMB10	-0.9490	-0.9490	0.0074	0.0089	0.0016	-0.0011
	0.35	ESPECTRO	9.16E-02	6.65E-04	1.07E-04								
	0.00	DEAD	-6.68E-01	-6.02E-03	-8.13E-04								
	0.35	DEAD	-6.68E-01	-4.30E-03	1.01E-03		COMB1	-1.6010	-1.6010	-0.0151	-0.0127	-0.0023	0.0026
	0.00	COBERT	-1.44E-01	-1.90E-03	-3.50E-04		COMB2	-2.2942	-2.2942	-0.0251	-0.0230	-0.0042	0.0043
	0.35	COBERT	-1.44E-01	-1.90E-03	3.20E-04		COMB3	-2.7425	-2.7425	-0.0310	-0.0289	-0.0053	0.0053
	0.00	CORREAS	-3.32E-01	-2.87E-03	-4.70E-04		COMB4	-0.5783	-0.5783	-0.0025	-0.0004	0.0000	0.0005
2999	0.35	CORREAS	-3.32E-01	-2.87E-03	5.43E-04	2999	COMB5	-2.0382	-2.0382	-0.0217	-0.0196	-0.0036	0.0037
	0.00	VIVA	-5.76E-01	-7.58E-03	-1.40E-03		COMB6	-0.7064	-0.7064	-0.0042	-0.0021	-0.0003	0.0008
	0.35	VIVA	-5.76E-01	-7.58E-03	1.28E-03		COMB7	-2.1113	-2.4544	-0.0239	-0.0251	-0.0041	0.0047
	0.00	VIENTO	-8.32E-01	-1.10E-02	-2.02E-03		COMB8	0.0529	0.0529	0.0045	0.0061	0.0012	-0.0007
	0.35	VIENTO	-8.32E-01	-1.10E-02	1.85E-03		COMB9	-1.5727	-1.5727	-0.0160	-0.0139	-0.0025	0.0030
	0.00	ESPECTRO	8.77E-02	7.35E-04	1.18E-04		COMB10	-0.9416	-0.9416	-0.0090	-0.0074	-0.0014	0.0018
	0.35	ESPECTRO	8.77E-02	7.35E-04	1.44E-04								
	0.00	DEAD	-6.65E-01	-3.20E-03	-2.62E-05								
	0.35	DEAD	-6.65E-01	-1.48E-03	8.01E-04		COMB1	-1.6038	-1.6038	-0.0077	-0.0053	-0.0003	0.0020
	0.00	COBERT	-1.47E-01	-8.21E-04	-1.25E-04		COMB2	-2.3164	-2.3164	-0.0119	-0.0098	-0.0011	0.0028
	0.35	COBERT	-1.47E-01	-8.21E-04	1.66E-04		COMB3	-2.7744	-2.7744	-0.0144	-0.0124	-0.0015	0.0033
	0.00	CORREAS	-3.33E-01	-1.50E-03	-7.20E-05		COMB4	-0.5635	-0.5635	-0.0021	0.0000	0.0004	0.0008
3000	0.35	CORREAS	-3.33E-01	-1.50E-03	4.58E-04	3000	COMB5	-2.0549	-2.0549	-0.0104	-0.0084	-0.0008	0.0025
	0.00	VIVA	-5.89E-01	-3.29E-03	-4.99E-04		COMB6	-0.6944	-0.6944	-0.0028	-0.0008	0.0003	0.0009
	0.35	VIVA	-5.89E-01	-3.29E-03	6.62E-04		COMB7	-2.1364	-2.4801	-0.0111	-0.0107	-0.0011	0.0030
	0.00	VIENTO	-8.50E-01	-4.75E-03	-7.21E-04		COMB8	0.0744	0.0744	0.0012	0.0027	0.0007	0.0000
	0.35	VIENTO	-8.50E-01	-4.75E-03	9.57E-04		COMB9	-1.5797	-1.5797	-0.0079	-0.0058	-0.0005	0.0022
	0.00	ESPECTRO	8.93E-02	3.61E-04	1.16E-05		COMB10	-0.9417	-0.9417	-0.0046	-0.0031	-0.0002	0.0014
	0.35	ESPECTRO	8.93E-02	3.61E-04	1.17E-04								
	0.00	DEAD	-6.69E-01	-3.58E-03	-1.43E-04								
	0.35	DEAD	-6.69E-01	-1.86E-03	8.18E-04		COMB1	-1.6137	-1.6137	-0.0084	-0.0059	-0.0005	0.0021
	0.00	COBERT	-1.50E-01	-5.80E-04	-4.82E-05		COMB2	-2.3439	-2.3439	-0.0109	-0.0088	-0.0007	0.0028

RESULTADO DE ANALISIS ESTRUCTURAL - TECHO ARNAMENTAL (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames													
ELE.	Stat.	OutputCase	P	V2	M3	ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
Text	m	Text	Ton	Ton	Ton-m								
3001	0.35	COBERT	-1.50E-01	-5.80E-04	1.57E-04	3001	COMB3	-2.8110	-2.8110	-0.0127	-0.0106	-0.0009	0.0033
	0.00	CORREAS	-3.34E-01	-1.81E-03	-1.46E-04		COMB4	-0.5557	-0.5557	-0.0040	-0.0019	-0.0001	0.0009
	0.35	CORREAS	-3.34E-01	-1.81E-03	4.95E-04		COMB5	-2.0771	-2.0771	-0.0098	-0.0078	-0.0006	0.0025
	0.00	VIVA	-6.00E-01	-2.32E-03	-1.93E-04		COMB6	-0.6892	-0.6892	-0.0045	-0.0024	-0.0002	0.0010
	0.35	VIVA	-6.00E-01	-2.32E-03	6.28E-04		COMB7	-2.1650	-2.5108	-0.0097	-0.0095	-0.0007	0.0029
	0.00	VIENTO	-8.67E-01	-3.35E-03	-2.78E-04		COMB8	0.0903	0.0903	-0.0010	0.0005	0.0001	0.0001
	0.35	VIENTO	-8.67E-01	-3.35E-03	9.07E-04		COMB9	-1.5937	-1.5937	-0.0079	-0.0059	-0.0005	0.0022
	0.00	ESPECTRO	8.97E-02	3.98E-04	2.40E-05		COMB10	-0.9477	-0.9477	-0.0050	-0.0034	-0.0003	0.0014
	0.35	ESPECTRO	8.97E-02	3.98E-04	1.19E-04								
3002	0.00	DEAD	-6.73E-01	-3.26E-03	-8.73E-05	3002							
	0.35	DEAD	-6.73E-01	-1.54E-03	7.62E-04		COMB1	-1.6313	-1.6313	-0.0081	-0.0056	-0.0004	0.0020
	0.00	COBERT	-1.56E-01	-7.03E-04	-6.49E-05		COMB2	-2.3982	-2.3982	-0.0114	-0.0093	-0.0008	0.0029
	0.35	COBERT	-1.56E-01	-7.03E-04	1.83E-04		COMB3	-2.8845	-2.8845	-0.0136	-0.0115	-0.0010	0.0035
	0.00	CORREAS	-3.36E-01	-1.79E-03	-1.31E-04		COMB4	-0.5370	-0.5370	-0.0030	-0.0010	0.0000	0.0007
	0.35	CORREAS	-3.36E-01	-1.79E-03	5.00E-04		COMB5	-2.1206	-2.1206	-0.0101	-0.0081	-0.0006	0.0026
	0.00	VIVA	-6.25E-01	-2.81E-03	-2.60E-04		COMB6	-0.6760	-0.6760	-0.0037	-0.0016	0.0000	0.0009
	0.35	VIVA	-6.25E-01	-2.81E-03	7.34E-04		COMB7	-2.2224	-2.5720	-0.0105	-0.0101	-0.0007	0.0031
	0.00	VIENTO	-9.03E-01	-4.06E-03	-3.75E-04		COMB8	0.1250	0.1250	0.0001	0.0016	0.0002	-0.0001
	0.35	VIENTO	-9.03E-01	-4.06E-03	1.06E-03		COMB9	-1.6206	-1.6206	-0.0079	-0.0059	-0.0005	0.0022
	0.00	ESPECTRO	9.02E-02	3.64E-04	1.81E-05		COMB10	-0.9585	-0.9585	-0.0048	-0.0033	-0.0002	0.0014
	0.35	ESPECTRO	9.02E-02	3.64E-04	1.13E-04								
3003	0.00	DEAD	-6.79E-01	-3.04E-03	-5.28E-05	3003							
	0.35	DEAD	-6.79E-01	-1.32E-03	7.18E-04		COMB1	-1.6676	-1.6676	-0.0080	-0.0056	-0.0004	0.0020
	0.00	COBERT	-1.71E-01	-8.35E-04	-7.53E-05		COMB2	-2.5223	-2.5223	-0.0122	-0.0101	-0.0008	0.0032
	0.35	COBERT	-1.71E-01	-8.35E-04	2.20E-04		COMB3	-3.0538	-3.0538	-0.0148	-0.0127	-0.0010	0.0038
	0.00	CORREAS	-3.41E-01	-1.81E-03	-1.23E-04		COMB4	-0.4880	-0.4880	-0.0022	-0.0002	0.0001	0.0005
	0.35	CORREAS	-3.41E-01	-1.81E-03	5.17E-04		COMB5	-2.2188	-2.2188	-0.0107	-0.0086	-0.0006	0.0028
	0.00	VIVA	-6.83E-01	-3.34E-03	-3.01E-04		COMB6	-0.6399	-0.6399	-0.0030	-0.0009	0.0000	0.0007
	0.35	VIVA	-6.83E-01	-3.34E-03	8.79E-04		COMB7	-2.3549	-2.7122	-0.0114	-0.0110	-0.0008	0.0034
	0.00	VIENTO	-9.87E-01	-4.82E-03	-4.35E-04		COMB8	0.2109	0.2109	0.0012	0.0027	0.0003	-0.0003
	0.35	VIENTO	-9.87E-01	-4.82E-03	1.27E-03		COMB9	-1.6800	-1.6800	-0.0082	-0.0061	-0.0004	0.0023
	0.00	ESPECTRO	9.09E-02	3.41E-04	1.45E-05		COMB10	-0.9811	-0.9811	-0.0048	-0.0032	-0.0002	0.0014
	0.35	ESPECTRO	9.09E-02	3.41E-04	1.09E-04								
3004	0.00	DEAD	-6.90E-01	-2.51E-03	2.20E-06	3004							
	0.35	DEAD	-6.90E-01	-7.95E-04	5.87E-04		COMB1	-1.7551	-1.7551	-0.0071	-0.0047	-0.0002	0.0018
	0.00	COBERT	-2.10E-01	-8.31E-04	-6.74E-05		COMB2	-2.8458	-2.8458	-0.0114	-0.0093	-0.0006	0.0030
	0.35	COBERT	-2.10E-01	-8.31E-04	2.26E-04		COMB3	-3.4981	-3.4981	-0.0140	-0.0119	-0.0008	0.0037
	0.00	CORREAS	-3.54E-01	-1.70E-03	-1.02E-04		COMB4	-0.3490	-0.3490	-0.0015	0.0006	0.0002	0.0003
	0.35	CORREAS	-3.54E-01	-1.70E-03	5.00E-04		COMB5	-2.4733	-2.4733	-0.0099	-0.0078	-0.0005	0.0026
	0.00	VIVA	-8.38E-01	-3.32E-03	-2.69E-04		COMB6	-0.5354	-0.5354	-0.0022	-0.0002	0.0001	0.0005
	0.35	VIVA	-8.38E-01	-3.32E-03	9.06E-04		COMB7	-2.7028	-3.0789	-0.0108	-0.0102	-0.0007	0.0033
	0.00	VIENTO	-1.21E+00	-4.80E-03	-3.89E-04		COMB8	0.4462	0.4462	0.0017	0.0032	0.0004	-0.0005
	0.35	VIENTO	-1.21E+00	-4.80E-03	1.31E-03		COMB9	-1.8315	-1.8315	-0.0074	-0.0054	-0.0003	0.0021
	0.00	ESPECTRO	9.21E-02	2.86E-04	8.71E-06		COMB10	-1.0362	-1.0362	-0.0043	-0.0027	-0.0001	0.0013
	0.35	ESPECTRO	9.21E-02	2.86E-04	9.62E-05								
3005	0.00	DEAD	-7.05E-01	-3.70E-03	-1.09E-04	3005							
	0.35	DEAD	-7.05E-01	-1.98E-03	8.93E-04		COMB1	-1.9537	-1.9537	-0.0118	-0.0094	-0.0006	0.0032
	0.00	COBERT	-3.06E-01	-2.22E-03	-1.63E-04		COMB2	-3.6335	-3.6335	-0.0244	-0.0223	-0.0016	0.0067
	0.35	COBERT	-3.06E-01	-2.22E-03	6.21E-04		COMB3	-4.5860	-4.5860	-0.0313	-0.0292	-0.0021	0.0086
	0.00	CORREAS	-3.85E-01	-2.55E-03	-1.50E-04		COMB4	0.0126	0.0126	0.0021	0.0041	0.0004	-0.0007
	0.35	CORREAS	-3.85E-01	-2.55E-03	7.51E-04		COMB5	-3.0895	-3.0895	-0.0204	-0.0183	-0.0013	0.0056
	0.00	VIVA	-1.22E+00	-8.87E-03	-6.54E-04		COMB6	-0.2596	-0.2596	0.0001	0.0022	0.0002	-0.0002
	0.35	VIVA	-1.22E+00	-8.87E-03	2.48E-03		COMB7	-3.5552	-3.9739	-0.0243	-0.0248	-0.0016	0.0074
	0.00	VIENTO	-1.77E+00	-1.28E-02	-9.44E-04		COMB8	1.0434	1.0434	0.0091	0.0106	0.0008	-0.0026
	0.35	VIENTO	-1.77E+00	-1.28E-02	3.59E-03		COMB9	-2.1930	-2.1930	-0.0142	-0.0122	-0.0008	0.0041
	0.00	ESPECTRO	9.37E-02	3.58E-04	1.74E-05		COMB10	-1.1622	-1.1622	-0.0073	-0.0057	-0.0004	0.0022
	0.35	ESPECTRO	9.37E-02	3.58E-04	1.14E-04								
1050	0.00	DEAD	-5.97E-01	3.97E-04	9.41E-04	1050							
	0.37	DEAD	-5.96E-01	3.72E-03	1.73E-04		COMB1	-1.5090	-1.5073	0.0079	0.0126	0.0039	0.0001
	0.00	COBERT	-2.33E-01	1.41E-03	5.56E-04		COMB2	-2.7877	-2.7863	0.0158	0.0198	0.0069	0.0002
	0.37	COBERT	-2.33E-01	1.41E-03	3.00E-05		COMB3	-3.5144	-3.5129	0.0202	0.0242	0.0086	0.0003
	0.00	CORREAS	-2.47E-01	3.86E-03	1.28E-03		COMB4	-0.0064	-0.0049	-0.0010	0.0030	0.0003	-0.0001
	0.37	CORREAS	-2.47E-01	3.86E-03	-1.60E-04		COMB5	-2.3728	-2.3713	0.0133	0.0173	0.0059	0.0002
	0.00	VIVA	-9.34E-01	5.64E-03	2.22E-03		COMB6	-0.2141	-0.2126	0.0003	0.0043	0.0008	-0.0001
	0.37	VIVA	-9.34E-01	5.64E-03	1.20E-04		COMB7	-2.7241	-3.0459	0.0157	0.0214	0.0067	0.0003
	0.00	VIENTO	-1.35E+00	8.15E-03	3.21E-03		COMB8	0.7839	0.7850	-0.0055	-0.0025	-0.0017	-0.0002
	0.37	VIENTO	-1.35E+00	8.15E-03	1.74E-04		COMB9	-1.6818	-1.6804	0.0105	0.0145	0.0047	0.0002
	0.00	ESPECTRO	7.86E-02	8.78E-04	2.67E-04		COMB10	-0.8915	-0.8904	0.0060	0.0090	0.0028	0.0001
	0.37	ESPECTRO	7.86E-02	8.78E-04	7.89E-05								
1051	0.00	DEAD	-4.92E-03	-4.74E-03	-9.93E-04	1051							
	0.37	DEAD	-3.78E-03	-1.39E-03	1.48E-04		COMB1	0.0284	0.0300	-0.0136	-0.0089	-0.0032	0.0010
	0.00	COBERT	1.39E-02	-1.63E-03	-4.57E-04		COMB2	0.1133	0.1146	-0.0221	-0.0181	-0.0057	0.0018
	0.37	COBERT	1.39E-02	-1.63E-03	1.51E-04		COMB3	0.1565	0.1579	-0.0272	-0.0232	-0.0071	0.0023
	0.00	CORREAS	1.14E-02	-3.37E-03	-8.58E-04		COMB4	-0.0522	-0.0508	-0.0027	0.0013	-0.0002	0.0000
	0.37	CORREAS	1.14E-02	-3.37E-03	3.97E-04		COMB5	0.0886	0.0900	-0.0192	-0.0152	-0.0049	0.0015
	0.00	VIVA	5.55E-02	-6.53E-03	-1.83E-03		COMB6	-0.0398	-0.0384	-0.0041	-0.0001	-0.0007	0.0001

RESULTADO DE ANALISIS ESTRUCTURAL - TECHO ARNAMENTAL (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames

ELE.	Stat.	OutputCase	P	V2	M3
Text	m	Text	Ton	Ton	Ton-m
	0.37	VIVA	5.55E-02	-6.53E-03	6.04E-04
	0.00	VIENTO	8.02E-02	-9.44E-03	-2.64E-03
	0.37	VIENTO	8.02E-02	-9.44E-03	8.73E-04
	0.00	ESPECTRO	1.87E-02	5.20E-04	1.38E-04
	0.37	ESPECTRO	1.87E-02	5.20E-04	6.28E-05
	0.00	DEAD	-6.82E-02	-1.47E-03	-3.27E-05
	0.37	DEAD	-6.72E-02	1.92E-03	-1.16E-04
	0.00	COBERT	-2.01E-02	-4.43E-05	6.32E-06
	0.37	COBERT	-2.01E-02	-4.43E-05	2.28E-05
	0.00	CORREAS	-1.63E-02	-3.52E-04	-3.39E-05
1052	0.37	CORREAS	-1.63E-02	-3.52E-04	9.72E-05
	0.00	VIVA	-8.06E-02	-1.77E-04	2.53E-05
	0.37	VIVA	-8.06E-02	-1.77E-04	9.13E-05
	0.00	VIENTO	-1.16E-01	-2.56E-04	3.65E-05
	0.37	VIENTO	-1.16E-01	-2.56E-04	1.32E-04
	0.00	ESPECTRO	7.38E-03	1.82E-04	4.27E-05
	0.37	ESPECTRO	7.38E-03	1.82E-04	5.32E-05
	0.00	DEAD	-1.16E-01	-2.79E-03	-2.68E-04
	0.37	DEAD	-1.15E-01	6.23E-04	1.34E-04
	0.00	COBERT	-4.61E-02	-5.08E-04	-7.13E-05
	0.37	COBERT	-4.61E-02	-5.08E-04	1.18E-04
	0.00	CORREAS	-6.00E-02	-1.84E-03	-2.82E-04
1053	0.37	CORREAS	-6.00E-02	-1.84E-03	4.04E-04
	0.00	VIVA	-1.84E-01	-2.03E-03	-2.85E-04
	0.37	VIVA	-1.84E-01	-2.03E-03	4.71E-04
	0.00	VIENTO	-2.66E-01	-2.94E-03	-4.12E-04
	0.37	VIENTO	-2.66E-01	-2.94E-03	6.80E-04
	0.00	ESPECTRO	1.29E-02	2.90E-04	2.42E-05
	0.37	ESPECTRO	1.29E-02	2.90E-04	8.38E-05
	0.00	DEAD	-7.57E-02	-5.05E-03	-7.02E-04
	0.37	DEAD	-7.48E-02	-1.63E-03	5.34E-04
	0.00	COBERT	-3.38E-02	-1.18E-03	-1.98E-04
	0.37	COBERT	-3.38E-02	-1.18E-03	2.41E-04
	0.00	CORREAS	-5.02E-02	-2.34E-03	-3.55E-04
1054	0.37	CORREAS	-5.02E-02	-2.34E-03	5.12E-04
	0.00	VIVA	-1.35E-01	-4.74E-03	-7.92E-04
	0.37	VIVA	-1.35E-01	-4.74E-03	9.64E-04
	0.00	VIENTO	-1.95E-01	-6.84E-03	-1.14E-03
	0.37	VIENTO	-1.95E-01	-6.84E-03	1.39E-03
	0.00	ESPECTRO	1.57E-02	6.25E-04	1.02E-04
	0.37	ESPECTRO	1.57E-02	6.25E-04	1.32E-04
	0.00	DEAD	-1.50E-01	-4.65E-03	-6.71E-04
	0.37	DEAD	-1.50E-01	-1.17E-03	4.16E-04
	0.00	COBERT	-6.35E-02	-1.09E-03	-2.07E-04
	0.37	COBERT	-6.35E-02	-1.09E-03	2.01E-04
	0.00	CORREAS	-1.03E-01	-2.89E-03	-4.63E-04
1055	0.37	CORREAS	-1.03E-01	-2.89E-03	6.18E-04
	0.00	VIVA	-2.54E-01	-4.37E-03	-8.28E-04
	0.37	VIVA	-2.54E-01	-4.37E-03	8.02E-04
	0.00	VIENTO	-3.67E-01	-6.31E-03	-1.20E-03
	0.37	VIENTO	-3.67E-01	-6.31E-03	1.16E-03
	0.00	ESPECTRO	2.24E-02	5.30E-04	8.52E-05
	0.37	ESPECTRO	2.24E-02	5.30E-04	1.18E-04
	0.00	DEAD	-1.49E-01	-3.94E-03	-5.04E-04
	0.37	DEAD	-1.48E-01	-4.72E-04	3.17E-04
	0.00	COBERT	-6.71E-02	-7.71E-04	-1.28E-04
	0.37	COBERT	-6.71E-02	-7.71E-04	1.58E-04
	0.00	CORREAS	-1.12E-01	-1.01E-03	-6.25E-05
1056	0.37	CORREAS	-1.12E-01	-1.01E-03	3.13E-04
	0.00	VIVA	-2.68E-01	-3.08E-03	-5.13E-04
	0.37	VIVA	-2.68E-01	-3.08E-03	6.34E-04
	0.00	VIENTO	-3.88E-01	-4.46E-03	-7.42E-04
	0.37	VIENTO	-3.88E-01	-4.46E-03	9.15E-04
	0.00	ESPECTRO	1.98E-02	4.14E-04	5.48E-05
	0.37	ESPECTRO	1.98E-02	4.14E-04	1.08E-04
	0.00	DEAD	-1.92E-01	-3.74E-03	-4.32E-04
	0.37	DEAD	-1.92E-01	-2.54E-04	3.11E-04
	0.00	COBERT	-8.39E-02	-7.40E-04	-1.09E-04
	0.37	COBERT	-8.39E-02	-7.40E-04	1.66E-04
	0.00	CORREAS	-1.37E-01	-1.77E-03	-2.06E-04
1057	0.37	CORREAS	-1.37E-01	-1.77E-03	4.52E-04
	0.00	VIVA	-3.36E-01	-2.96E-03	-4.36E-04
	0.37	VIVA	-3.36E-01	-2.96E-03	6.65E-04
	0.00	VIENTO	-4.85E-01	-4.28E-03	-6.30E-04
	0.37	VIENTO	-4.85E-01	-4.28E-03	9.61E-04
	0.00	ESPECTRO	2.43E-02	3.66E-04	4.18E-05

ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
	COMB7	0.1226	0.1301	-0.0210	-0.0199	-0.0055	0.0020
	COMB8	-0.0860	-0.0850	0.0035	0.0065	0.0014	-0.0005
	COMB9	0.0708	0.0722	-0.0144	-0.0104	-0.0035	0.0012
	COMB10	0.0369	0.0380	-0.0082	-0.0052	-0.0019	0.0007
	COMB1	-0.1465	-0.1450	-0.0026	0.0021	-0.0001	0.0000
	COMB2	-0.2545	-0.2532	-0.0025	0.0015	0.0000	0.0002
	COMB3	-0.3172	-0.3159	-0.0027	0.0014	0.0000	0.0002
	COMB4	-0.0145	-0.0133	-0.0020	0.0021	-0.0001	-0.0001
1052	COMB5	-0.2187	-0.2174	-0.0024	0.0016	0.0000	0.0001
	COMB6	-0.0324	-0.0312	-0.0020	0.0020	-0.0001	-0.0001
	COMB7	-0.2455	-0.2756	-0.0020	0.0015	0.0000	0.0002
	COMB8	0.0572	0.0581	-0.0013	0.0017	-0.0001	-0.0002
	COMB9	-0.1585	-0.1572	-0.0021	0.0019	0.0000	0.0001
	COMB10	-0.0868	-0.0858	-0.0015	0.0016	0.0000	0.0001
	COMB1	-0.3107	-0.3094	-0.0072	-0.0024	-0.0009	0.0009
	COMB2	-0.5612	-0.5601	-0.0094	-0.0053	-0.0012	0.0015
	COMB3	-0.7046	-0.7035	-0.0110	-0.0069	-0.0014	0.0019
	COMB4	-0.0124	-0.0112	-0.0034	0.0007	-0.0004	0.0001
1053	COMB5	-0.4793	-0.4782	-0.0085	-0.0044	-0.0011	0.0013
	COMB6	-0.0533	-0.0522	-0.0038	0.0003	-0.0004	0.0002
	COMB7	-0.5459	-0.6113	-0.0084	-0.0059	-0.0011	0.0017
	COMB8	0.1464	0.1472	-0.0008	0.0023	0.0000	-0.0003
	COMB9	-0.3456	-0.3445	-0.0069	-0.0028	-0.0009	0.0011
	COMB10	-0.1869	-0.1860	-0.0043	-0.0013	-0.0005	0.0007
	COMB1	-0.2235	-0.2223	-0.0120	-0.0072	-0.0018	0.0018
	COMB2	-0.4077	-0.4067	-0.0179	-0.0138	-0.0028	0.0031
	COMB3	-0.5128	-0.5118	-0.0216	-0.0174	-0.0034	0.0038
	COMB4	-0.0054	-0.0043	-0.0038	0.0003	-0.0004	0.0002
1054	COMB5	-0.3477	-0.3467	-0.0158	-0.0117	-0.0024	0.0027
	COMB6	-0.0354	-0.0344	-0.0048	-0.0007	-0.0006	0.0004
	COMB7	-0.3974	-0.4442	-0.0166	-0.0151	-0.0026	0.0034
	COMB8	0.1101	0.1108	0.0012	0.0043	0.0004	-0.0007
	COMB9	-0.2434	-0.2424	-0.0120	-0.0079	-0.0018	0.0022
	COMB10	-0.1280	-0.1272	-0.0071	-0.0040	-0.0010	0.0013
	COMB1	-0.4431	-0.4421	-0.0121	-0.0072	-0.0019	0.0017
	COMB2	-0.7865	-0.7856	-0.0173	-0.0132	-0.0029	0.0028
	COMB3	-0.9843	-0.9834	-0.0207	-0.0166	-0.0036	0.0034
	COMB4	-0.0296	-0.0287	-0.0043	-0.0002	-0.0005	0.0004
1055	COMB5	-0.6736	-0.6727	-0.0154	-0.0112	-0.0026	0.0024
	COMB6	-0.0861	-0.0852	-0.0053	-0.0011	-0.0007	0.0006
	COMB7	-0.7622	-0.8563	-0.0160	-0.0144	-0.0028	0.0030
	COMB8	0.1925	0.1932	0.0004	0.0036	0.0003	-0.0004
	COMB9	-0.4845	-0.4836	-0.0120	-0.0078	-0.0019	0.0020
	COMB10	-0.2625	-0.2618	-0.0072	-0.0041	-0.0011	0.0012
	COMB1	-0.4599	-0.4589	-0.0080	-0.0032	-0.0010	0.0011
	COMB2	-0.8234	-0.8226	-0.0118	-0.0076	-0.0017	0.0020
	COMB3	-1.0321	-1.0313	-0.0142	-0.0100	-0.0021	0.0025
	COMB4	-0.0245	-0.0236	-0.0026	0.0015	-0.0001	0.0001
1056	COMB5	-0.7042	-0.7034	-0.0104	-0.0063	-0.0014	0.0017
	COMB6	-0.0841	-0.0833	-0.0033	0.0009	-0.0002	0.0002
	COMB7	-0.7995	-0.8972	-0.0109	-0.0085	-0.0016	0.0021
	COMB8	0.2082	0.2089	0.0006	0.0038	0.0003	-0.0005
	COMB9	-0.5085	-0.5076	-0.0080	-0.0038	-0.0010	0.0014
	COMB10	-0.2758	-0.2752	-0.0047	-0.0016	-0.0006	0.0008
	COMB1	-0.5786	-0.5778	-0.0088	-0.0039	-0.0010	0.0013
	COMB2	-1.0330	-1.0322	-0.0122	-0.0081	-0.0016	0.0022
	COMB3	-1.2941	-1.2934	-0.0145	-0.0104	-0.0019	0.0027
	COMB4	-0.0335	-0.0327	-0.0034	0.0008	-0.0003	0.0002
1057	COMB5	-0.8839	-0.8831	-0.0109	-0.0067	-0.0014	0.0019
	COMB6	-0.1081	-0.1074	-0.0041	0.0001	-0.0004	0.0003
	COMB7	-1.0023	-1.1256	-0.0112	-0.0089	-0.0015	0.0024
	COMB8	0.2583	0.2589	-0.0001	0.0031	0.0001	-0.0004
	COMB9	-0.6395	-0.6387	-0.0086	-0.0044	-0.0011	0.0016
	COMB10	-0.3477	-0.3471	-0.0053	-0.0021	-0.0006	0.0009

RESULTADO DE ANALISIS ESTRUCTURAL - TECHO ARNAMENTAL (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames													
ELE.	Stat.	OutputCase	P	V2	M3	ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
Text	m	Text	Ton	Ton	Ton-m								
	0.37	ESPECTRO	2.43E-02	3.66E-04	1.05E-04								
	0.00	DEAD	-2.46E-01	-3.24E-03	-2.98E-04								
	0.37	DEAD	-2.46E-01	2.61E-04	2.56E-04		COMB1	-0.7509	-0.7502	-0.0058	-0.0009	-0.0004	0.0009
	0.00	COBERT	-1.19E-01	-5.41E-04	-4.74E-05		COMB2	-1.4083	-1.4077	-0.0085	-0.0043	-0.0006	0.0017
	0.37	COBERT	-1.19E-01	-5.41E-04	1.54E-04		COMB3	-1.7802	-1.7796	-0.0102	-0.0060	-0.0008	0.0022
	0.00	CORREAS	-1.71E-01	-3.92E-04	8.00E-05		COMB4	0.0150	0.0156	-0.0020	0.0022	-0.0001	-0.0001
1058	0.37	CORREAS	-1.71E-01	-3.92E-04	2.26E-04	1058	COMB5	-1.1960	-1.1954	-0.0075	-0.0033	-0.0005	0.0015
	0.00	VIVA	-4.78E-01	-2.16E-03	-1.90E-04		COMB6	-0.0912	-0.0906	-0.0025	0.0017	-0.0001	0.0001
	0.37	VIVA	-4.78E-01	-2.16E-03	6.15E-04		COMB7	-1.3803	-1.5406	-0.0078	-0.0049	-0.0006	0.0019
	0.00	VIENTO	-6.90E-01	-3.13E-03	-2.74E-04		COMB8	0.4149	0.4154	0.0003	0.0035	0.0001	-0.0006
	0.37	VIENTO	-6.90E-01	-3.13E-03	8.88E-04		COMB9	-0.8466	-0.8460	-0.0059	-0.0017	-0.0004	0.0012
	0.00	ESPECTRO	3.60E-02	2.37E-04	1.78E-05		COMB10	-0.4467	-0.4463	-0.0035	-0.0004	-0.0002	0.0007
	0.37	ESPECTRO	3.60E-02	2.37E-04	8.67E-05								
	0.00	DEAD	-2.78E-01	-3.11E-03	-2.58E-04								
	0.37	DEAD	-2.78E-01	4.04E-04	2.45E-04		COMB1	-0.8598	-0.8592	-0.0063	-0.0014	-0.0004	0.0010
	0.00	COBERT	-1.52E-01	-4.64E-04	-1.14E-05		COMB2	-1.7112	-1.7107	-0.0084	-0.0042	-0.0004	0.0019
	0.37	COBERT	-1.52E-01	-4.64E-04	1.61E-04		COMB3	-2.1850	-2.1845	-0.0098	-0.0056	-0.0005	0.0024
	0.00	CORREAS	-1.84E-01	-9.42E-04	-1.83E-05		COMB4	0.1021	0.1026	-0.0029	0.0014	-0.0003	0.0000
1059	0.37	CORREAS	-1.84E-01	-9.42E-04	3.32E-04	1059	COMB5	-1.4407	-1.4402	-0.0076	-0.0033	-0.0004	0.0016
	0.00	VIVA	-6.09E-01	-1.86E-03	-4.57E-05		COMB6	-0.0333	-0.0328	-0.0033	0.0009	-0.0003	0.0001
	0.37	VIVA	-6.09E-01	-1.86E-03	6.44E-04		COMB7	-1.6963	-1.8800	-0.0075	-0.0047	-0.0003	0.0021
	0.00	VIENTO	-8.80E-01	-2.68E-03	-6.60E-05		COMB8	0.5908	0.5912	-0.0006	0.0026	-0.0002	-0.0005
	0.37	VIENTO	-8.80E-01	-2.68E-03	9.31E-04		COMB9	-0.9999	-0.9994	-0.0062	-0.0019	-0.0003	0.0013
	0.00	ESPECTRO	4.16E-02	1.83E-04	3.38E-05		COMB10	-0.5112	-0.5108	-0.0039	-0.0007	-0.0002	0.0007
	0.37	ESPECTRO	4.16E-02	1.83E-04	8.34E-05								
	0.00	DEAD	-3.10E-01	-2.84E-03	-1.65E-04								
	0.37	DEAD	-3.10E-01	6.81E-04	2.37E-04		COMB1	-0.9800	-0.9796	-0.0040	0.0010	0.0002	0.0007
	0.00	COBERT	-1.90E-01	-4.18E-04	3.93E-05		COMB2	-2.0576	-2.0572	-0.0061	-0.0018	0.0004	0.0019
	0.37	COBERT	-1.90E-01	-4.18E-04	1.95E-04		COMB3	-2.6497	-2.6493	-0.0074	-0.0031	0.0005	0.0025
	0.00	CORREAS	-1.99E-01	4.28E-04	2.57E-04		COMB4	0.2087	0.2091	-0.0011	0.0031	-0.0001	-0.0004
1060	0.37	CORREAS	-1.99E-01	4.28E-04	9.74E-05	1060	COMB5	-1.7195	-1.7191	-0.0053	-0.0011	0.0003	0.0015
	0.00	VIVA	-7.61E-01	-1.67E-03	1.57E-04		COMB6	0.0395	0.0399	-0.0015	0.0028	0.0000	-0.0003
	0.37	VIVA	-7.61E-01	-1.67E-03	7.78E-04		COMB7	-2.0592	-2.2688	-0.0057	-0.0023	0.0004	0.0021
	0.00	VIENTO	-1.10E+00	-2.41E-03	2.27E-04		COMB8	0.7992	0.7995	0.0006	0.0038	-0.0002	-0.0010
	0.37	VIENTO	-1.10E+00	-2.41E-03	1.12E-03		COMB9	-1.1743	-1.1740	-0.0041	0.0001	0.0003	0.0011
	0.00	ESPECTRO	4.62E-02	1.32E-04	4.26E-05		COMB10	-0.5838	-0.5835	-0.0024	0.0008	0.0002	0.0006
	0.37	ESPECTRO	4.62E-02	1.32E-04	7.93E-05								
	0.00	DEAD	-3.50E-01	-2.40E-03	-4.81E-05								
	0.37	DEAD	-3.50E-01	1.13E-03	1.88E-04		COMB1	-1.1158	-1.1155	-0.0041	0.0009	0.0002	0.0008
	0.00	COBERT	-2.39E-01	-3.74E-04	8.25E-05		COMB2	-2.4874	-2.4871	-0.0059	-0.0016	0.0007	0.0021
	0.37	COBERT	-2.39E-01	-3.74E-04	2.22E-04		COMB3	-3.2319	-3.2316	-0.0070	-0.0028	0.0010	0.0028
	0.00	CORREAS	-2.08E-01	-1.31E-04	1.40E-04		COMB4	0.3622	0.3625	-0.0014	0.0028	-0.0002	-0.0005
1061	0.37	CORREAS	-2.08E-01	-1.31E-04	1.89E-04	1061	COMB5	-2.0623	-2.0620	-0.0052	-0.0010	0.0006	0.0017
	0.00	VIVA	-9.57E-01	-1.50E-03	3.30E-04		COMB6	0.1494	0.1497	-0.0018	0.0025	-0.0002	-0.0003
	0.37	VIVA	-9.57E-01	-1.50E-03	8.86E-04		COMB7	-2.5144	-2.7532	-0.0054	-0.0021	0.0008	0.0024
	0.00	VIENTO	-1.38E+00	-2.16E-03	4.77E-04		COMB8	1.0797	1.0799	0.0002	0.0034	-0.0005	-0.0011
	0.37	VIENTO	-1.38E+00	-2.16E-03	1.28E-03		COMB9	-1.3817	-1.3814	-0.0042	0.0001	0.0004	0.0012
	0.00	ESPECTRO	5.31E-02	6.22E-05	5.51E-05		COMB10	-0.6642	-0.6640	-0.0026	0.0006	0.0002	0.0006
	0.37	ESPECTRO	5.31E-02	6.22E-05	7.15E-05								
	0.00	DEAD	-3.88E-01	-1.80E-03	9.96E-05								
	0.37	DEAD	-3.88E-01	1.74E-03	1.11E-04		COMB1	-1.2515	-1.2513	-0.0009	0.0041	0.0010	0.0004
	0.00	COBERT	-2.87E-01	-1.70E-04	1.57E-04		COMB2	-2.9096	-2.9094	-0.0018	0.0024	0.0018	0.0017
	0.37	COBERT	-2.87E-01	-1.70E-04	2.20E-04		COMB3	-3.8029	-3.8027	-0.0023	0.0019	0.0023	0.0024
	0.00	CORREAS	-2.19E-01	1.36E-03	4.34E-04		COMB4	0.5094	0.5096	0.0002	0.0045	0.0000	-0.0009
1062	0.37	CORREAS	-2.19E-01	1.36E-03	-7.15E-05	1062	COMB5	-2.3995	-2.3994	-0.0015	0.0027	0.0016	0.0013
	0.00	VIVA	-1.15E+00	-6.80E-04	6.27E-04		COMB6	0.2542	0.2543	0.0001	0.0043	0.0001	-0.0007
	0.37	VIVA	-1.15E+00	-6.80E-04	8.80E-04		COMB7	-2.9607	-3.2287	-0.0018	0.0022	0.0018	0.0020
	0.00	VIENTO	-1.66E+00	-9.83E-04	9.05E-04		COMB8	1.3516	1.3517	0.0007	0.0039	-0.0006	-0.0014
	0.37	VIENTO	-1.66E+00	-9.83E-04	1.27E-03		COMB9	-1.5874	-1.5873	-0.0010	0.0032	0.0012	0.0008
	0.00	ESPECTRO	5.93E-02	5.76E-05	7.33E-05		COMB10	-0.7452	-0.7451	-0.0005	0.0027	0.0007	0.0003
	0.37	ESPECTRO	5.93E-02	5.76E-05	5.36E-05								
	0.00	DEAD	-4.26E-01	-3.24E-03	5.16E-05								
	0.37	DEAD	-4.26E-01	3.01E-04	5.97E-04		COMB1	-1.3799	-1.3799	-0.0052	-0.0002	0.0007	0.0017
	0.00	COBERT	-3.43E-01	-1.08E-03	1.46E-04		COMB2	-3.3804	-3.3803	-0.0113	-0.0071	0.0015	0.0049
	0.37	COBERT	-3.43E-01	-1.08E-03	5.46E-04		COMB3	-4.4490	-4.4490	-0.0147	-0.0104	0.0020	0.0066
	0.00	CORREAS	-2.16E-01	6.02E-04	2.80E-04		COMB4	0.7099	0.7100	0.0015	0.0057	-0.0002	-0.0016
1063	0.37	CORREAS	-2.16E-01	6.02E-04	5.57E-05	1063	COMB5	-2.7702	-2.7701	-0.0094	-0.0052	0.0012	0.0040
	0.00	VIVA	-1.37E+00	-4.30E-03	5.85E-04		COMB6	0.4046	0.4046	0.0005	0.0048	-0.0001	-0.0011
	0.37	VIVA	-1.37E+00	-4.30E-03	2.18E-03		COMB7	-3.4666	-3.7622	-0.0114	-0.0083	0.0015	0.0055
	0.00	VIENTO	-1.98E+00	-6.22E-03	8.45E-04		COMB8	1.6924	1.6924	0.0047	0.0079	-0.0007	-0.0030
	0.37	VIENTO	-1.98E+00	-6.22E-03	3.16E-03		COMB9	-1.8043	-1.8042	-0.0062	-0.0020	0.0009	0.0027
	0.00	ESPECTRO	6.52E-02	3.83E-04	5.76E-05		COMB10	-0.8219	-0.8218	-0.0030	0.0002	0.0005	0.0013
	0.37	ESPECTRO	6.52E-02	3.83E-04	1.73E-04								
	0.00	DEAD	2.21E-02	-3.02E-02	-1.04E-02								
	0.50	DEAD	2.55E-02	-2.68E-02	3.83E-03		COMB1	0.0910	0.0957	-0.0998	-0.0951	-0.0358	0.0129
	0.00	COBERT	8.03E-03	-1.37E-02	-5.04E-03		COMB2	0.1293	0.1334	-0.1734	-0.1694	-0.0629	0.0226

RESULTADO DE ANALISIS ESTRUCTURAL - TECHO ARNAMENTAL (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames

ELE.	Stat.	OutputCase	P	V2	M3
Text	m	Text	Ton	Ton	Ton-m
757	0.50	COBERT	8.03E-03	-1.37E-02	1.82E-03
	0.00	CORREAS	3.48E-02	-2.74E-02	-1.01E-02
	0.50	CORREAS	3.48E-02	-2.74E-02	3.53E-03
	0.00	VIVA	3.21E-02	-5.49E-02	-2.01E-02
	0.50	VIVA	3.21E-02	-5.49E-02	7.27E-03
	0.00	VIENTO	4.64E-02	-7.93E-02	-2.91E-02
	0.50	VIENTO	4.64E-02	-7.93E-02	1.05E-02
	0.00	ESPECTRO	2.85E-02	4.52E-03	1.59E-03
	0.50	ESPECTRO	2.85E-02	4.52E-03	6.65E-04
2706	0.00	DEAD	-3.14E-02	2.01E-02	3.49E-04
	0.50	DEAD	-2.81E-02	2.35E-02	-1.05E-02
	0.00	COBERT	-2.72E-02	1.19E-02	2.07E-04
	0.50	COBERT	-2.72E-02	1.19E-02	-5.74E-03
	0.00	CORREAS	-8.67E-02	2.69E-02	-1.14E-04
	0.50	CORREAS	-8.67E-02	2.69E-02	-1.36E-02
	0.00	VIVA	-1.09E-01	4.77E-02	8.27E-04
	0.50	VIVA	-1.09E-01	4.77E-02	-2.30E-02
	0.00	VIENTO	-1.57E-01	6.89E-02	1.19E-03
	0.50	VIENTO	-1.57E-01	6.89E-02	-3.32E-02
	0.00	ESPECTRO	5.02E-02	2.82E-03	4.53E-04
	0.50	ESPECTRO	5.02E-02	2.82E-03	1.61E-03
BRIDA INFERIOR					
742	0.00	DEAD	-1.64E-01	-1.87E-02	-6.12E-03
	0.49	DEAD	-1.64E-01	-1.64E-02	2.51E-03
	0.00	COBERT	-9.13E-02	-8.51E-03	-2.96E-03
	0.49	COBERT	-9.13E-02	-8.51E-03	1.23E-03
	0.00	CORREAS	-1.34E-01	-1.69E-02	-5.90E-03
	0.49	CORREAS	-1.34E-01	-1.69E-02	2.41E-03
	0.00	VIVA	-3.65E-01	-3.40E-02	-1.18E-02
	0.49	VIVA	-3.65E-01	-3.40E-02	4.92E-03
	0.00	VIENTO	-5.28E-01	-4.92E-02	-1.71E-02
	0.49	VIENTO	-5.28E-01	-4.92E-02	7.11E-03
	0.00	ESPECTRO	2.97E-02	2.53E-03	8.97E-04
	0.49	ESPECTRO	2.97E-02	2.53E-03	3.50E-04
1036	0.00	DEAD	-2.25E-02	9.07E-04	9.21E-04
	0.36	DEAD	-2.26E-02	4.35E-03	-3.19E-05
	0.00	COBERT	6.63E-02	1.55E-03	6.97E-04
	0.36	COBERT	6.63E-02	1.55E-03	1.35E-04
	0.00	CORREAS	3.19E-03	8.76E-04	4.34E-04
	0.36	CORREAS	3.19E-03	8.76E-04	1.17E-04
	0.00	VIVA	2.65E-01	6.20E-03	2.79E-03
	0.36	VIVA	2.65E-01	6.20E-03	5.40E-04
	0.00	VIENTO	3.83E-01	8.96E-03	4.03E-03
	0.36	VIENTO	3.83E-01	8.96E-03	7.80E-04
	0.00	ESPECTRO	6.29E-02	4.35E-04	1.87E-04
	0.36	ESPECTRO	6.29E-02	4.35E-04	3.58E-05
1037	0.00	DEAD	-3.89E-02	-2.09E-03	3.20E-05
	0.36	DEAD	-3.90E-02	1.36E-03	1.65E-04
	0.00	COBERT	3.24E-02	9.64E-04	3.92E-04
	0.36	COBERT	3.24E-02	9.64E-04	4.32E-05
	0.00	CORREAS	2.07E-02	-9.66E-04	-2.16E-05
	0.36	CORREAS	2.07E-02	-9.66E-04	3.28E-04
	0.00	VIVA	1.30E-01	3.85E-03	1.57E-03
	0.36	VIVA	1.30E-01	3.85E-03	1.73E-04
	0.00	VIENTO	1.87E-01	5.57E-03	2.27E-03
	0.36	VIENTO	1.87E-01	5.57E-03	2.50E-04
	0.00	ESPECTRO	6.52E-02	1.23E-04	8.57E-05
	0.36	ESPECTRO	6.52E-02	1.23E-04	4.34E-05
1038	0.00	DEAD	-6.08E-02	-1.59E-03	1.36E-04
	0.36	DEAD	-6.11E-02	1.85E-03	9.02E-05
	0.00	COBERT	4.99E-03	6.18E-04	2.80E-04
	0.36	COBERT	4.99E-03	6.18E-04	5.64E-05
	0.00	CORREAS	4.14E-02	-1.46E-04	1.73E-04
	0.36	CORREAS	4.14E-02	-1.46E-04	2.26E-04
	0.00	VIVA	2.00E-02	2.47E-03	1.12E-03
	0.36	VIVA	2.00E-02	2.47E-03	2.26E-04
	0.00	VIENTO	2.88E-02	3.57E-03	1.62E-03
	0.36	VIENTO	2.88E-02	3.57E-03	3.26E-04
	0.00	ESPECTRO	6.65E-02	2.00E-04	1.04E-04
	0.36	ESPECTRO	6.65E-02	2.00E-04	3.15E-05
1039	0.00	DEAD	-8.03E-02	-1.84E-03	3.95E-05
	0.36	DEAD	-8.06E-02	1.60E-03	8.28E-05
	0.00	COBERT	-1.45E-02	3.60E-04	1.88E-04
	0.36	COBERT	-1.45E-02	3.60E-04	5.81E-05
	0.00	CORREAS	4.55E-02	-3.13E-04	1.23E-04
	0.36	CORREAS	4.55E-02	-3.13E-04	2.37E-04

ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
757	COMB3	0.1543	0.1584	-0.2161	-0.2121	-0.0786	0.0283
	COMB4	0.0337	0.0378	-0.0099	-0.0059	-0.0029	0.0010
	COMB5	0.1151	0.1191	-0.1490	-0.1450	-0.0540	0.0194
	COMB6	0.0408	0.0449	-0.0221	-0.0181	-0.0074	0.0026
	COMB7	0.1188	0.1423	-0.1673	-0.1847	-0.0608	0.0247
	COMB8	-0.0018	0.0012	0.0390	0.0420	0.0148	-0.0054
	COMB9	0.1225	0.1266	-0.1085	-0.1045	-0.0392	0.0153
	COMB10	0.0870	0.0900	-0.0596	-0.0566	-0.0214	0.0089
2706							
	COMB1	-0.2034	-0.1986	0.0826	0.0873	0.0006	-0.0418
	COMB2	-0.3482	-0.3441	0.1471	0.1511	0.0019	-0.0726
	COMB3	-0.4327	-0.4287	0.1842	0.1882	0.0025	-0.0904
	COMB4	-0.0246	-0.0205	0.0051	0.0091	-0.0006	-0.0041
	COMB5	-0.2999	-0.2958	0.1259	0.1299	0.0015	-0.0624
	COMB6	-0.0487	-0.0447	0.0157	0.0197	-0.0004	-0.0092
	COMB7	-0.3348	-0.3743	0.1426	0.1643	0.0020	-0.0790
	COMB8	0.0733	0.0764	-0.0365	-0.0335	-0.0012	0.0163
	COMB9	-0.1784	-0.1744	0.0974	0.1014	0.0014	-0.0457
	COMB10	-0.0805	-0.0775	0.0559	0.0589	0.0009	-0.0252
BRIDA INFERIOR							
742							
	COMB1	-0.5452	-0.5452	-0.0618	-0.0585	-0.0210	0.0086
	COMB2	-1.0519	-1.0519	-0.1074	-0.1046	-0.0369	0.0153
	COMB3	-1.3361	-1.3361	-0.1339	-0.1311	-0.0461	0.0191
	COMB4	0.0362	0.0362	-0.0061	-0.0032	-0.0017	0.0006
	COMB5	-0.8895	-0.8895	-0.0923	-0.0894	-0.0317	0.0131
	COMB6	-0.0450	-0.0450	-0.0136	-0.0108	-0.0043	0.0017
	COMB7	-1.0366	-1.1535	-0.1037	-0.1140	-0.0357	0.0166
	COMB8	0.3357	0.3357	0.0242	0.0263	0.0087	-0.0037
	COMB9	-0.6203	-0.6203	-0.0675	-0.0646	-0.0230	0.0102
	COMB10	-0.3208	-0.3208	-0.0372	-0.0351	-0.0126	0.0059
1036							
	COMB1	0.0657	0.0657	0.0047	0.0095	0.0029	0.0003
	COMB2	0.4806	0.4806	0.0139	0.0181	0.0069	0.0011
	COMB3	0.6869	0.6869	0.0188	0.0229	0.0091	0.0015
	COMB4	-0.3091	-0.3091	-0.0046	-0.0004	-0.0014	-0.0005
	COMB5	0.3628	0.3628	0.0112	0.0153	0.0057	0.0009
	COMB6	-0.2501	-0.2502	-0.0032	0.0010	-0.0008	-0.0004
	COMB7	0.5403	0.5543	0.0147	0.0198	0.0071	0.0013
	COMB8	-0.4558	-0.4558	-0.0087	-0.0055	-0.0034	-0.0008
	COMB9	0.2519	0.2518	0.0075	0.0117	0.0040	0.0006
	COMB10	0.1052	0.1052	0.0034	0.0065	0.0020	0.0002
1037							
	COMB1	0.0199	0.0197	-0.0029	0.0019	0.0006	0.0008
	COMB2	0.2245	0.2243	0.0037	0.0078	0.0030	0.0009
	COMB3	0.3253	0.3252	0.0067	0.0108	0.0042	0.0011
	COMB4	-0.1616	-0.1618	-0.0078	-0.0037	-0.0017	0.0004
	COMB5	0.1669	0.1667	0.0019	0.0061	0.0023	0.0008
	COMB6	-0.1328	-0.1329	-0.0070	-0.0028	-0.0013	0.0004
	COMB7	0.2562	0.2603	0.0054	0.0089	0.0033	0.0010
	COMB8	-0.2307	-0.2308	-0.0091	-0.0060	-0.0026	0.0002
	COMB9	0.1471	0.1469	-0.0005	0.0037	0.0014	0.0008
	COMB10	0.0780	0.0779	-0.0018	0.0013	0.0004	0.0005
1038							
	COMB1	-0.0202	-0.0205	-0.0016	0.0032	0.0008	0.0005
	COMB2	0.0147	0.0144	0.0026	0.0067	0.0025	0.0008
	COMB3	0.0302	0.0299	0.0045	0.0087	0.0034	0.0010
	COMB4	-0.0448	-0.0451	-0.0048	-0.0006	-0.0008	0.0001
	COMB5	0.0058	0.0055	0.0015	0.0056	0.0020	0.0007
	COMB6	-0.0404	-0.0406	-0.0042	-0.0001	-0.0006	0.0002
	COMB7	0.0245	0.0199	0.0036	0.0074	0.0026	0.0009
	COMB8	-0.0504	-0.0507	-0.0057	-0.0026	-0.0016	-0.0001
	COMB9	0.0592	0.0589	0.0001	0.0042	0.0014	0.0006
	COMB10	0.0536	0.0534	-0.0008	0.0023	0.0006	0.0004
1039							
	COMB1	-0.0689	-0.0694	-0.0025	0.0023	0.0005	0.0005
	COMB2	-0.1518	-0.1522	0.0002	0.0043	0.0016	0.0008
	COMB3	-0.1969	-0.1973	0.0013	0.0054	0.0022	0.0010
	COMB4	0.0208	0.0204	-0.0041	0.0000	-0.0006	0.0001
	COMB5	-0.1260	-0.1264	-0.0005	0.0036	0.0013	0.0007

RESULTADO DE ANALISIS ESTRUCTURAL - TECHO ARNAMENTAL (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames

ELE.	Stat.	OutputCase	P	V2	M3
Text	m	Text	Ton	Ton	Ton-m
[illegible]	0.00	VIVA	-5.79E-02	1.44E-03	7.54E-04
	0.36	VIVA	-5.79E-02	1.44E-03	2.33E-04
	0.00	VIENTO	-8.37E-02	2.08E-03	1.09E-03
	0.36	VIENTO	-8.37E-02	2.08E-03	3.36E-04
	0.00	ESPECTRO	6.71E-02	2.05E-04	9.84E-05
	0.36	ESPECTRO	6.71E-02	2.05E-04	2.63E-05
	0.00	DEAD	-9.72E-02	-2.03E-03	-3.55E-05
	0.36	DEAD	-9.76E-02	1.40E-03	7.84E-05
	0.00	COBERT	-2.79E-02	1.58E-04	1.15E-04
	0.36	COBERT	-2.79E-02	1.58E-04	5.77E-05
	0.00	CORREAS	5.60E-02	7.68E-05	1.96E-04
1040	0.36	CORREAS	5.60E-02	7.68E-05	1.68E-04
	0.00	VIVA	-1.11E-01	6.33E-04	4.60E-04
	0.36	VIVA	-1.11E-01	6.33E-04	2.31E-04
	0.00	VIENTO	-1.61E-01	9.15E-04	6.65E-04
	0.36	VIENTO	-1.61E-01	9.15E-04	3.34E-04
	0.00	ESPECTRO	6.69E-02	2.19E-04	9.60E-05
	0.36	ESPECTRO	6.69E-02	2.19E-04	2.30E-05
	0.00	DEAD	-1.09E-01	-2.41E-03	-1.14E-04
	0.36	DEAD	-1.10E-01	1.00E-03	1.40E-04
	0.00	COBERT	-3.65E-02	-7.38E-05	5.50E-05
	0.36	COBERT	-3.65E-02	-7.38E-05	8.18E-05
	0.00	CORREAS	5.20E-02	-2.19E-04	1.31E-04
1041	0.36	CORREAS	5.20E-02	-2.19E-04	2.10E-04
	0.00	VIVA	-1.46E-01	-2.95E-04	2.20E-04
	0.36	VIVA	-1.46E-01	-2.95E-04	3.27E-04
	0.00	VIENTO	-2.11E-01	-4.26E-04	3.18E-04
	0.36	VIENTO	-2.11E-01	-4.26E-04	4.72E-04
	0.00	ESPECTRO	6.58E-02	2.96E-04	9.84E-05
	0.36	ESPECTRO	6.58E-02	2.96E-04	2.77E-05
	0.00	DEAD	-1.17E-01	-2.73E-03	-2.29E-04
	0.36	DEAD	-1.17E-01	6.66E-04	1.45E-04
	0.00	COBERT	-4.15E-02	-2.93E-04	-1.93E-05
	0.36	COBERT	-4.15E-02	-2.93E-04	8.66E-05
	0.00	CORREAS	5.58E-02	1.84E-04	1.81E-04
1042	0.36	CORREAS	5.58E-02	1.84E-04	1.14E-04
	0.00	VIVA	-1.66E-01	-1.17E-03	-7.73E-05
	0.36	VIVA	-1.66E-01	-1.17E-03	3.46E-04
	0.00	VIENTO	-2.40E-01	-1.69E-03	-1.12E-04
	0.36	VIENTO	-2.40E-01	-1.69E-03	5.01E-04
	0.00	ESPECTRO	6.36E-02	3.11E-04	9.88E-05
	0.36	ESPECTRO	6.36E-02	3.11E-04	2.49E-05
	0.00	DEAD	-1.23E-01	-2.79E-03	-2.75E-04
	0.36	DEAD	-1.24E-01	5.84E-04	1.24E-04
	0.00	COBERT	-4.42E-02	-3.69E-04	-4.84E-05
	0.36	COBERT	-4.42E-02	-3.69E-04	8.51E-05
	0.00	CORREAS	4.49E-02	-2.83E-04	6.65E-05
1043	0.36	CORREAS	4.49E-02	-2.83E-04	1.69E-04
	0.00	VIVA	-1.77E-01	-1.47E-03	-1.94E-04
	0.36	VIVA	-1.77E-01	-1.47E-03	3.41E-04
	0.00	VIENTO	-2.55E-01	-2.13E-03	-2.80E-04
	0.36	VIENTO	-2.55E-01	-2.13E-03	4.92E-04
	0.00	ESPECTRO	6.07E-02	3.37E-04	9.79E-05
	0.36	ESPECTRO	6.07E-02	3.37E-04	2.96E-05
	0.00	DEAD	-1.25E-01	-3.04E-03	-3.21E-04
	0.36	DEAD	-1.26E-01	3.18E-04	1.72E-04
	0.00	COBERT	-4.52E-02	-4.43E-04	-6.24E-05
	0.36	COBERT	-4.52E-02	-4.43E-04	9.82E-05
	0.00	CORREAS	4.25E-02	5.24E-04	2.19E-04
1044	0.36	CORREAS	4.25E-02	5.24E-04	2.93E-05
	0.00	VIVA	-1.81E-01	-1.77E-03	-2.50E-04
	0.36	VIVA	-1.81E-01	-1.77E-03	3.93E-04
	0.00	VIENTO	-2.61E-01	-2.56E-03	-3.61E-04
	0.36	VIENTO	-2.61E-01	-2.56E-03	5.67E-04
	0.00	ESPECTRO	5.70E-02	3.72E-04	9.65E-05
	0.36	ESPECTRO	5.70E-02	3.72E-04	4.25E-05
	0.00	DEAD	-1.29E-01	-2.62E-03	-2.94E-04
	0.36	DEAD	-1.29E-01	7.11E-04	5.22E-05
	0.00	COBERT	-4.65E-02	-3.28E-04	-5.91E-05
	0.36	COBERT	-4.65E-02	-3.28E-04	5.98E-05
	0.00	CORREAS	1.31E-02	3.65E-04	1.17E-04
1045	0.36	CORREAS	1.31E-02	3.65E-04	-1.56E-05
	0.00	VIVA	-1.86E-01	-1.31E-03	-2.37E-04
	0.36	VIVA	-1.86E-01	-1.31E-03	2.39E-04
	0.00	VIENTO	-2.69E-01	-1.90E-03	-3.42E-04
	0.36	VIENTO	-2.69E-01	-1.90E-03	3.46E-04

ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
[illegible]	COMB6	0.0079	0.0075	-0.0038	0.0003	-0.0004	0.0002
	COMB7	-0.1531	-0.1683	0.0011	0.0047	0.0017	0.0009
	COMB8	0.0645	0.0642	-0.0043	-0.0012	-0.0011	-0.0001
	COMB9	-0.0209	-0.0213	-0.0012	0.0029	0.0009	0.0006
	COMB10	0.0228	0.0225	-0.0014	0.0017	0.0004	0.0004
	COMB1	-0.0966	-0.0972	-0.0025	0.0023	0.0004	0.0004
	COMB2	-0.2612	-0.2617	-0.0011	0.0030	0.0011	0.0007
	COMB3	-0.3480	-0.3485	-0.0006	0.0035	0.0014	0.0009
	COMB4	0.0708	0.0703	-0.0030	0.0011	-0.0003	0.0000
1040	COMB5	-0.2117	-0.2122	-0.0014	0.0027	0.0009	0.0006
	COMB6	0.0460	0.0455	-0.0029	0.0012	-0.0002	0.0001
	COMB7	-0.2715	-0.2927	-0.0004	0.0031	0.0011	0.0008
	COMB8	0.1473	0.1469	-0.0028	0.0003	-0.0006	-0.0002
	COMB9	-0.0716	-0.0721	-0.0016	0.0025	0.0007	0.0005
	COMB10	0.0048	0.0044	-0.0014	0.0017	0.0003	0.0003
	COMB1	-0.1312	-0.1319	-0.0038	0.0010	0.0001	0.0006
	COMB2	-0.3464	-0.3470	-0.0037	0.0004	0.0004	0.0010
	COMB3	-0.4601	-0.4608	-0.0039	0.0002	0.0006	0.0013
	COMB4	0.0890	0.0884	-0.0028	0.0013	-0.0002	0.0001
1041	COMB5	-0.2814	-0.2821	-0.0036	0.0005	0.0003	0.0009
	COMB6	0.0565	0.0559	-0.0029	0.0012	-0.0002	0.0001
	COMB7	-0.3589	-0.3877	-0.0030	0.0003	0.0005	0.0011
	COMB8	0.1902	0.1898	-0.0019	0.0012	-0.0003	-0.0002
	COMB9	-0.1197	-0.1204	-0.0031	0.0010	0.0003	0.0007
	COMB10	-0.0185	-0.0190	-0.0021	0.0009	0.0002	0.0004
	COMB1	-0.1433	-0.1442	-0.0040	0.0008	-0.0001	0.0005
	COMB2	-0.3882	-0.3889	-0.0053	-0.0012	-0.0002	0.0010
	COMB3	-0.5172	-0.5180	-0.0062	-0.0021	-0.0003	0.0012
	COMB4	0.1057	0.1050	-0.0018	0.0023	0.0000	-0.0001
1042	COMB5	-0.3145	-0.3152	-0.0048	-0.0007	-0.0002	0.0008
	COMB6	0.0688	0.0681	-0.0021	0.0020	0.0000	0.0000
	COMB7	-0.4036	-0.4350	-0.0048	-0.0015	-0.0002	0.0011
	COMB8	0.2193	0.2188	-0.0004	0.0027	0.0001	-0.0003
	COMB9	-0.1421	-0.1429	-0.0037	0.0004	0.0000	0.0006
	COMB10	-0.0285	-0.0290	-0.0022	0.0008	0.0000	0.0003
	COMB1	-0.1710	-0.1719	-0.0048	-0.0001	-0.0004	0.0005
	COMB2	-0.4293	-0.4301	-0.0065	-0.0024	-0.0006	0.0010
	COMB3	-0.5668	-0.5676	-0.0076	-0.0036	-0.0008	0.0013
	COMB4	0.0970	0.0962	-0.0021	0.0020	0.0000	0.0000
1043	COMB5	-0.3508	-0.3516	-0.0058	-0.0018	-0.0005	0.0008
	COMB6	0.0577	0.0569	-0.0024	0.0016	-0.0001	0.0001
	COMB7	-0.4418	-0.4793	-0.0059	-0.0028	-0.0006	0.0011
	COMB8	0.2220	0.2214	-0.0003	0.0027	0.0001	-0.0003
	COMB9	-0.1742	-0.1750	-0.0045	-0.0005	-0.0003	0.0007
	COMB10	-0.0492	-0.0498	-0.0028	0.0003	-0.0001	0.0004
	COMB1	-0.1788	-0.1799	-0.0041	0.0006	-0.0002	0.0004
	COMB2	-0.4423	-0.4432	-0.0064	-0.0024	-0.0006	0.0010
	COMB3	-0.5828	-0.5838	-0.0078	-0.0037	-0.0008	0.0013
	COMB4	0.0956	0.0947	-0.0011	0.0029	0.0001	-0.0002
1044	COMB5	-0.3620	-0.3630	-0.0056	-0.0016	-0.0005	0.0008
	COMB6	0.0555	0.0545	-0.0015	0.0025	0.0001	-0.0001
	COMB7	-0.4542	-0.4935	-0.0060	-0.0029	-0.0006	0.0011
	COMB8	0.2242	0.2235	0.0007	0.0037	0.0003	-0.0005
	COMB9	-0.1866	-0.1876	-0.0041	0.0000	-0.0002	0.0006
	COMB10	-0.0580	-0.0587	-0.0023	0.0007	-0.0001	0.0003
	COMB1	-0.2268	-0.2280	-0.0036	0.0010	-0.0003	0.0001
	COMB2	-0.4921	-0.4931	-0.0052	-0.0012	-0.0007	0.0005
	COMB3	-0.6368	-0.6379	-0.0062	-0.0022	-0.0008	0.0007
	COMB4	0.0620	0.0610	-0.0013	0.0027	0.0000	-0.0002
1045	COMB5	-0.4094	-0.4104	-0.0046	-0.0006	-0.0006	0.0004
	COMB6	0.0207	0.0196	-0.0016	0.0024	0.0000	-0.0002
	COMB7	-0.4952	-0.5448	-0.0048	-0.0016	-0.0007	0.0006
	COMB8	0.2037	0.2029	0.0001	0.0031	0.0002	-0.0004
	COMB9	-0.2349	-0.2360	-0.0034	0.0006	-0.0003	0.0003

RESULTADO DE ANALISIS ESTRUCTURAL - TECHO ARNAMENTAL (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames

ELE.	Stat.	OutputCase	P	V2	M3
Text	m	Text	Ton	Ton	Ton-m
	0.00	ESPECTRO	5.25E-02	3.49E-04	8.75E-05
	0.36	ESPECTRO	5.25E-02	3.49E-04	3.91E-05
1046	0.00	DEAD	-1.32E-01	-3.05E-03	-3.92E-04
	0.36	DEAD	-1.33E-01	2.60E-04	1.13E-04
	0.00	COBERT	-4.83E-02	-3.28E-04	-6.45E-05
	0.36	COBERT	-4.83E-02	-3.28E-04	5.45E-05
	0.00	CORREAS	-8.90E-03	5.38E-04	1.22E-04
	0.36	CORREAS	-8.90E-03	5.38E-04	-7.26E-05
	0.00	VIVA	-1.93E-01	-1.31E-03	-2.58E-04
	0.36	VIVA	-1.93E-01	-1.31E-03	2.18E-04
	0.00	VIENTO	-2.79E-01	-1.90E-03	-3.73E-04
	0.36	VIENTO	-2.79E-01	-1.90E-03	3.15E-04
	0.00	ESPECTRO	4.73E-02	3.32E-04	8.45E-05
	0.36	ESPECTRO	4.73E-02	3.32E-04	3.57E-05
1047	0.00	DEAD	-1.32E-01	-2.38E-03	-2.64E-04
	0.36	DEAD	-1.33E-01	9.03E-04	3.40E-06
	0.00	COBERT	-5.39E-02	3.13E-05	-6.13E-06
	0.36	COBERT	-5.39E-02	3.13E-05	-1.75E-05
	0.00	CORREAS	-4.22E-02	5.73E-04	9.13E-05
	0.36	CORREAS	-4.22E-02	5.73E-04	-1.16E-04
	0.00	VIVA	-2.16E-01	1.25E-04	-2.45E-05
	0.36	VIVA	-2.16E-01	1.25E-04	-6.98E-05
	0.00	VIENTO	-3.12E-01	1.81E-04	-3.54E-05
	0.36	VIENTO	-3.12E-01	1.81E-04	-1.01E-04
	0.00	ESPECTRO	4.11E-02	3.61E-04	8.77E-05
	0.36	ESPECTRO	4.11E-02	3.61E-04	4.34E-05
1048	0.00	DEAD	-1.33E-01	-1.74E-03	-2.04E-04
	0.36	DEAD	-1.34E-01	1.51E-03	-1.63E-04
	0.00	COBERT	-6.34E-02	3.64E-04	2.11E-05
	0.36	COBERT	-6.34E-02	3.64E-04	-1.11E-04
	0.00	CORREAS	-6.93E-02	1.13E-03	1.56E-04
	0.36	CORREAS	-6.93E-02	1.13E-03	-2.55E-04
	0.00	VIVA	-2.54E-01	1.46E-03	8.44E-05
	0.36	VIVA	-2.54E-01	1.46E-03	-4.43E-04
	0.00	VIENTO	-3.67E-01	2.11E-03	1.22E-04
	0.36	VIENTO	-3.67E-01	2.11E-03	-6.41E-04
	0.00	ESPECTRO	3.42E-02	3.95E-04	8.83E-05
	0.36	ESPECTRO	3.42E-02	3.95E-04	5.75E-05
1049	0.00	DEAD	-1.32E-01	-7.51E-03	-8.14E-04
	0.36	DEAD	-1.33E-01	-4.29E-03	1.32E-03
	0.00	COBERT	-7.57E-02	-2.09E-03	-2.47E-04
	0.36	COBERT	-7.57E-02	-2.09E-03	5.12E-04
	0.00	CORREAS	-1.07E-01	-2.77E-03	-3.06E-04
	0.36	CORREAS	-1.07E-01	-2.77E-03	6.96E-04
	0.00	VIVA	-3.03E-01	-8.38E-03	-9.87E-04
	0.36	VIVA	-3.03E-01	-8.38E-03	2.05E-03
	0.00	VIENTO	-4.37E-01	-1.21E-02	-1.43E-03
	0.36	VIENTO	-4.37E-01	-1.21E-02	2.96E-03
	0.00	ESPECTRO	2.75E-02	8.42E-04	1.09E-04
	0.36	ESPECTRO	2.75E-02	8.42E-04	1.97E-04
3006	0.00	DEAD	-4.31E-01	9.33E-04	5.41E-04
	0.35	DEAD	-4.31E-01	2.65E-03	-9.30E-05
	0.00	COBERT	-1.63E-01	1.63E-03	4.27E-04
	0.35	COBERT	-1.63E-01	1.63E-03	-1.48E-04
	0.00	CORREAS	-1.48E-01	1.46E-03	4.75E-04
	0.35	CORREAS	-1.48E-01	1.46E-03	-4.32E-05
	0.00	VIVA	-6.52E-01	6.51E-03	1.71E-03
	0.35	VIVA	-6.52E-01	6.51E-03	-5.92E-04
	0.00	VIENTO	-9.41E-01	9.40E-03	2.47E-03
	0.35	VIENTO	-9.41E-01	9.40E-03	-8.55E-04
	0.00	ESPECTRO	6.16E-02	2.61E-04	7.72E-05
	0.35	ESPECTRO	6.16E-02	2.61E-04	2.50E-05
3007	0.00	DEAD	-3.62E-01	-3.39E-04	2.63E-04
	0.35	DEAD	-3.62E-01	1.38E-03	7.86E-05
	0.00	COBERT	-1.51E-01	5.76E-04	1.29E-04
	0.35	COBERT	-1.51E-01	5.76E-04	-7.44E-05
	0.00	CORREAS	-1.43E-01	6.67E-04	2.62E-04
	0.35	CORREAS	-1.43E-01	6.67E-04	2.60E-05
	0.00	VIVA	-6.04E-01	2.30E-03	5.16E-04
	0.35	VIVA	-6.04E-01	2.30E-03	-2.98E-04
	0.00	VIENTO	-8.73E-01	3.33E-03	7.46E-04
	0.35	VIENTO	-8.73E-01	3.33E-03	-4.30E-04
	0.00	ESPECTRO	5.38E-02	1.00E-04	4.04E-05
	0.35	ESPECTRO	5.38E-02	1.00E-04	2.41E-05
	0.00	DEAD	-3.02E-01	-3.10E-04	3.15E-04
	0.35	DEAD	-3.02E-01	1.41E-03	1.21E-04

ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
	COMB10	-0.0933	-0.0941	-0.0020	0.0010	-0.0001	0.0001
1046	COMB1	-0.2648	-0.2661	-0.0040	0.0007	-0.0005	0.0001
	COMB2	-0.5358	-0.5370	-0.0055	-0.0015	-0.0008	0.0005
	COMB3	-0.6860	-0.6872	-0.0065	-0.0026	-0.0010	0.0006
	COMB4	0.0391	0.0379	-0.0016	0.0024	0.0000	-0.0002
	COMB5	-0.4501	-0.4512	-0.0049	-0.0010	-0.0007	0.0004
	COMB6	-0.0038	-0.0050	-0.0019	0.0021	-0.0001	-0.0001
	COMB7	-0.5328	-0.5907	-0.0050	-0.0019	-0.0008	0.0005
	COMB8	0.1923	0.1915	-0.0001	0.0029	0.0002	-0.0003
	COMB9	-0.2762	-0.2773	-0.0037	0.0002	-0.0004	0.0003
	COMB10	-0.1229	-0.1238	-0.0022	0.0008	-0.0002	0.0001
1047	COMB1	-0.3190	-0.3204	-0.0025	0.0021	-0.0003	-0.0002
	COMB2	-0.6186	-0.6199	-0.0019	0.0020	-0.0003	-0.0003
	COMB3	-0.7865	-0.7878	-0.0018	0.0021	-0.0003	-0.0003
	COMB4	0.0240	0.0227	-0.0023	0.0016	-0.0002	-0.0001
	COMB5	-0.5228	-0.5240	-0.0020	0.0020	-0.0002	-0.0002
	COMB6	-0.0240	-0.0253	-0.0023	0.0017	-0.0002	-0.0001
	COMB7	-0.6103	-0.6799	-0.0014	0.0020	-0.0002	-0.0003
	COMB8	0.2002	0.1992	-0.0018	0.0011	-0.0001	0.0000
	COMB9	-0.3402	-0.3414	-0.0017	0.0022	-0.0001	-0.0001
	COMB10	-0.1639	-0.1649	-0.0012	0.0017	-0.0001	-0.0001
1048	COMB1	-0.3715	-0.3731	-0.0003	0.0042	0.0000	-0.0007
	COMB2	-0.7245	-0.7259	0.0020	0.0059	0.0001	-0.0013
	COMB3	-0.9220	-0.9233	0.0032	0.0071	0.0002	-0.0017
	COMB4	0.0313	0.0299	-0.0023	0.0016	-0.0001	0.0000
	COMB5	-0.6117	-0.6131	0.0014	0.0053	0.0001	-0.0011
	COMB6	-0.0251	-0.0265	-0.0020	0.0019	-0.0001	-0.0001
	COMB7	-0.7155	-0.7964	0.0025	0.0064	0.0001	-0.0015
	COMB8	0.2378	0.2368	-0.0030	0.0000	-0.0002	0.0004
	COMB9	-0.4112	-0.4125	0.0008	0.0047	0.0001	-0.0008
	COMB10	-0.2047	-0.2057	0.0002	0.0031	0.0001	-0.0004
1049	COMB1	-0.4414	-0.4432	-0.0173	-0.0128	-0.0019	0.0035
	COMB2	-0.8627	-0.8642	-0.0283	-0.0244	-0.0032	0.0063
	COMB3	-1.0982	-1.0997	-0.0348	-0.0309	-0.0040	0.0079
	COMB4	0.0388	0.0373	-0.0033	0.0006	-0.0003	0.0002
	COMB5	-0.7282	-0.7297	-0.0245	-0.0207	-0.0028	0.0054
	COMB6	-0.0285	-0.0300	-0.0052	-0.0013	-0.0005	0.0007
	COMB7	-0.8523	-0.9484	-0.0269	-0.0267	-0.0031	0.0069
	COMB8	0.2847	0.2836	0.0046	0.0075	0.0006	-0.0016
	COMB9	-0.5022	-0.5037	-0.0182	-0.0143	-0.0020	0.0043
	COMB10	-0.2563	-0.2574	-0.0103	-0.0074	-0.0011	0.0025
3006	COMB1	-1.0389	-1.0389	0.0056	0.0080	0.0020	-0.0004
	COMB2	-1.9332	-1.9332	0.0152	0.0173	0.0045	-0.0013
	COMB3	-2.4402	-2.4402	0.0203	0.0224	0.0058	-0.0017
	COMB4	0.0075	0.0075	-0.0041	-0.0021	-0.0006	0.0005
	COMB5	-1.6437	-1.6437	0.0123	0.0144	0.0037	-0.0010
	COMB6	-0.1374	-0.1374	-0.0027	-0.0006	-0.0002	0.0003
	COMB7	-1.8917	-2.1144	0.0158	0.0191	0.0045	-0.0015
	COMB8	0.5560	0.5560	-0.0086	-0.0071	-0.0019	0.0009
	COMB9	-1.1547	-1.1547	0.0083	0.0104	0.0027	-0.0006
	COMB10	-0.6062	-0.6062	0.0039	0.0054	0.0014	-0.0002
3007	COMB1	-0.9192	-0.9192	0.0013	0.0037	0.0009	0.0000
	COMB2	-1.7543	-1.7543	0.0048	0.0068	0.0016	-0.0004
	COMB3	-2.2242	-2.2242	0.0066	0.0086	0.0020	-0.0007
	COMB4	0.0444	0.0444	-0.0021	0.0000	0.0001	0.0004
	COMB5	-1.4860	-1.4860	0.0037	0.0058	0.0014	-0.0003
	COMB6	-0.0899	-0.0899	-0.0016	0.0005	0.0002	0.0004
	COMB7	-1.7252	-1.9222	0.0051	0.0075	0.0016	-0.0005
	COMB8	0.5434	0.5434	-0.0035	-0.0020	-0.0004	0.0006
	COMB9	-1.0361	-1.0361	0.0023	0.0044	0.0011	-0.0001
	COMB10	-0.5372	-0.5372	0.0009	0.0025	0.0006	0.0001
	COMB1	-0.8112	-0.8112	0.0012	0.0036	0.0009	0.0001

RESULTADO DE ANALISIS ESTRUCTURAL - TECHO ARNAMENTAL (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames

ELE.	Stat.	OutputCase	P	V2	M3
Text	m	Text	Ton	Ton	Ton-m
3008	0.00	COBERT	-1.39E-01	4.85E-04	1.03E-04
	0.35	COBERT	-1.39E-01	4.85E-04	-6.85E-05
	0.00	CORREAS	-1.38E-01	6.48E-04	2.60E-04
	0.35	CORREAS	-1.38E-01	6.48E-04	3.04E-05
	0.00	VIVA	-5.57E-01	1.94E-03	4.12E-04
	0.35	VIVA	-5.57E-01	1.94E-03	-2.74E-04
	0.00	VIENTO	-8.04E-01	2.80E-03	5.95E-04
	0.35	VIENTO	-8.04E-01	2.80E-03	-3.96E-04
	0.00	ESPECTRO	4.70E-02	1.06E-04	4.74E-05
	0.35	ESPECTRO	4.70E-02	1.06E-04	2.74E-05
3009	0.00	DEAD	-2.52E-01	-3.39E-04	3.47E-04
	0.35	DEAD	-2.52E-01	1.38E-03	1.63E-04
	0.00	COBERT	-1.28E-01	4.40E-04	9.40E-05
	0.35	COBERT	-1.28E-01	4.40E-04	-6.16E-05
	0.00	CORREAS	-1.32E-01	5.86E-04	2.51E-04
	0.35	CORREAS	-1.32E-01	5.86E-04	4.36E-05
	0.00	VIVA	-5.12E-01	1.76E-03	3.76E-04
	0.35	VIVA	-5.12E-01	1.76E-03	-2.46E-04
	0.00	VIENTO	-7.40E-01	2.54E-03	5.43E-04
	0.35	VIENTO	-7.40E-01	2.54E-03	-3.56E-04
	0.00	ESPECTRO	4.14E-02	1.05E-04	5.14E-05
	0.35	ESPECTRO	4.14E-02	1.05E-04	3.11E-05
3010	0.00	DEAD	-2.12E-01	-1.48E-04	3.95E-04
	0.35	DEAD	-2.12E-01	1.57E-03	1.44E-04
	0.00	COBERT	-1.18E-01	4.01E-04	9.24E-05
	0.35	COBERT	-1.18E-01	4.01E-04	-4.92E-05
	0.00	CORREAS	-1.26E-01	6.20E-04	2.53E-04
	0.35	CORREAS	-1.26E-01	6.20E-04	3.33E-05
	0.00	VIVA	-4.72E-01	1.60E-03	3.70E-04
	0.35	VIVA	-4.72E-01	1.60E-03	-1.97E-04
	0.00	VIENTO	-6.81E-01	2.31E-03	5.34E-04
	0.35	VIENTO	-6.81E-01	2.31E-03	-2.84E-04
	0.00	ESPECTRO	3.70E-02	1.31E-04	5.77E-05
	0.35	ESPECTRO	3.70E-02	1.31E-04	2.99E-05
3011	0.00	DEAD	-1.82E-01	-8.22E-04	3.72E-04
	0.35	DEAD	-1.82E-01	8.97E-04	3.59E-04
	0.00	COBERT	-1.08E-01	1.53E-05	5.05E-05
	0.35	COBERT	-1.08E-01	1.53E-05	4.51E-05
	0.00	CORREAS	-1.20E-01	1.76E-04	2.17E-04
	0.35	CORREAS	-1.20E-01	1.76E-04	1.54E-04
	0.00	VIVA	-4.32E-01	6.12E-05	2.02E-04
	0.35	VIVA	-4.32E-01	6.12E-05	1.80E-04
	0.00	VIENTO	-6.24E-01	8.84E-05	2.92E-04
	0.35	VIENTO	-6.24E-01	8.84E-05	2.61E-04
	0.00	ESPECTRO	3.40E-02	7.65E-05	5.22E-05
	0.35	ESPECTRO	3.40E-02	7.65E-05	5.71E-05
3012	0.00	DEAD	-1.51E-01	2.83E-03	6.88E-04
	0.35	DEAD	-1.51E-01	4.55E-03	-6.16E-04
	0.00	COBERT	-9.61E-02	1.11E-03	1.50E-04
	0.35	COBERT	-9.61E-02	1.11E-03	-2.43E-04
	0.00	CORREAS	-1.08E-01	2.04E-03	3.62E-04
	0.35	CORREAS	-1.08E-01	2.04E-03	-3.58E-04
	0.00	VIVA	-3.84E-01	4.45E-03	6.01E-04
	0.35	VIVA	-3.84E-01	4.45E-03	-9.73E-04
	0.00	VIENTO	-5.55E-01	6.43E-03	8.68E-04
	0.35	VIENTO	-5.55E-01	6.43E-03	-1.41E-03
	0.00	ESPECTRO	3.09E-02	5.39E-04	9.79E-05
	0.35	ESPECTRO	3.09E-02	5.39E-04	9.53E-05
3013	0.00	DEAD	-1.51E-01	-4.96E-03	-6.89E-04
	0.35	DEAD	-1.51E-01	-3.24E-03	7.62E-04
	0.00	COBERT	-9.59E-02	-1.27E-03	-2.73E-04
	0.35	COBERT	-9.59E-02	-1.27E-03	1.74E-04
	0.00	CORREAS	-1.08E-01	-2.21E-03	-3.89E-04
	0.35	CORREAS	-1.08E-01	-2.21E-03	3.93E-04
	0.00	VIVA	-3.84E-01	-5.06E-03	-1.09E-03
	0.35	VIVA	-3.84E-01	-5.06E-03	6.96E-04
	0.00	VIENTO	-5.54E-01	-7.31E-03	-1.58E-03
	0.35	VIENTO	-5.54E-01	-7.31E-03	1.01E-03
	0.00	ESPECTRO	3.07E-02	5.69E-04	1.01E-04
	0.35	ESPECTRO	3.07E-02	5.69E-04	1.02E-04
3015	0.00	DEAD	-1.57E-01	-1.66E-03	1.92E-04
	0.35	DEAD	-1.57E-01	5.89E-05	4.75E-04
	0.00	COBERT	-7.36E-02	-5.85E-04	-3.72E-05
	0.35	COBERT	-7.36E-02	-5.85E-04	1.70E-04
	0.00	CORREAS	-7.48E-02	-7.53E-04	6.10E-05
	0.35	CORREAS	-7.48E-02	-7.53E-04	3.27E-04

ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
3008	COMB2	-1.5858	-1.5858	0.0041	0.0062	0.0015	-0.0003
	COMB3	-2.0188	-2.0188	0.0056	0.0077	0.0018	-0.0006
	COMB4	0.0717	0.0717	-0.0017	0.0004	0.0002	0.0005
	COMB5	-1.3385	-1.3385	0.0032	0.0053	0.0013	-0.0002
	COMB6	-0.0520	-0.0520	-0.0013	0.0008	0.0003	0.0004
	COMB7	-1.5667	-1.7405	0.0044	0.0067	0.0014	-0.0004
	COMB8	0.5238	0.5238	-0.0029	-0.0014	-0.0002	0.0006
	COMB9	-0.9266	-0.9266	0.0021	0.0041	0.0011	0.0000
	COMB10	-0.4745	-0.4745	0.0008	0.0024	0.0007	0.0001
3009							
	COMB1	-0.7178	-0.7178	0.0010	0.0034	0.0010	0.0002
	COMB2	-1.4351	-1.4351	0.0036	0.0057	0.0014	-0.0002
	COMB3	-1.8339	-1.8339	0.0050	0.0071	0.0017	-0.0004
	COMB4	0.0909	0.0909	-0.0016	0.0005	0.0003	0.0005
	COMB5	-1.2075	-1.2075	0.0029	0.0049	0.0013	-0.0001
	COMB6	-0.0230	-0.0230	-0.0012	0.0009	0.0004	0.0005
	COMB7	-1.4238	-1.5776	0.0039	0.0062	0.0013	-0.0003
	COMB8	0.5009	0.5009	-0.0027	-0.0011	-0.0001	0.0006
	COMB9	-0.8301	-0.8301	0.0018	0.0039	0.0011	0.0001
	COMB10	-0.4200	-0.4200	0.0007	0.0023	0.0007	0.0002
3010							
	COMB1	-0.6377	-0.6377	0.0012	0.0036	0.0010	0.0002
	COMB2	-1.3012	-1.3012	0.0036	0.0057	0.0015	-0.0002
	COMB3	-1.6682	-1.6682	0.0049	0.0069	0.0018	-0.0003
	COMB4	0.1033	0.1033	-0.0012	0.0009	0.0004	0.0004
	COMB5	-1.0917	-1.0917	0.0029	0.0050	0.0013	-0.0001
	COMB6	-0.0016	-0.0016	-0.0008	0.0013	0.0005	0.0004
	COMB7	-1.2957	-1.4324	0.0038	0.0061	0.0014	-0.0002
	COMB8	0.4758	0.4758	-0.0022	-0.0007	0.0000	0.0005
	COMB9	-0.7454	-0.7454	0.0020	0.0040	0.0011	0.0001
	COMB10	-0.3730	-0.3730	0.0009	0.0025	0.0007	0.0001
3011							
	COMB1	-0.5732	-0.5732	-0.0009	0.0015	0.0009	0.0008
	COMB2	-1.1823	-1.1823	-0.0007	0.0014	0.0011	0.0010
	COMB3	-1.5183	-1.5183	-0.0006	0.0015	0.0012	0.0011
	COMB4	0.1037	0.1037	-0.0008	0.0012	0.0005	0.0004
	COMB5	-0.9904	-0.9904	-0.0007	0.0014	0.0010	0.0009
	COMB6	0.0077	0.0077	-0.0008	0.0012	0.0005	0.0005
	COMB7	-1.1795	-1.3024	-0.0005	0.0014	0.0010	0.0010
	COMB8	0.4425	0.4425	-0.0007	0.0009	0.0002	0.0002
	COMB9	-0.6733	-0.6733	-0.0006	0.0014	0.0009	0.0008
	COMB10	-0.3345	-0.3345	-0.0005	0.0011	0.0006	0.0006
3012							
	COMB1	-0.4983	-0.4983	0.0084	0.0108	0.0017	-0.0017
	COMB2	-1.0420	-1.0420	0.0143	0.0164	0.0024	-0.0030
	COMB3	-1.3410	-1.3410	0.0178	0.0198	0.0029	-0.0038
	COMB4	0.1025	0.1025	0.0010	0.0031	0.0006	-0.0001
	COMB5	-0.8713	-0.8713	0.0123	0.0144	0.0021	-0.0026
	COMB6	0.0170	0.0170	0.0020	0.0041	0.0007	-0.0003
	COMB7	-1.0421	-1.1488	0.0137	0.0176	0.0022	-0.0033
	COMB8	0.4014	0.4014	-0.0030	-0.0014	0.0000	0.0007
	COMB9	-0.5884	-0.5884	0.0099	0.0120	0.0018	-0.0019
	COMB10	-0.2895	-0.2895	0.0059	0.0075	0.0012	-0.0010
3013							
	COMB1	-0.4972	-0.4972	-0.0118	-0.0094	-0.0019	0.0019
	COMB2	-1.0398	-1.0398	-0.0182	-0.0162	-0.0034	0.0027
	COMB3	-1.3383	-1.3383	-0.0222	-0.0201	-0.0042	0.0033
	COMB4	0.1024	0.1024	-0.0032	-0.0011	-0.0001	0.0006
	COMB5	-0.8694	-0.8694	-0.0160	-0.0139	-0.0029	0.0024
	COMB6	0.0172	0.0172	-0.0043	-0.0022	-0.0004	0.0008
	COMB7	-1.0400	-1.1465	-0.0171	-0.0176	-0.0033	0.0029
	COMB8	0.4008	0.4008	0.0019	0.0035	0.0008	-0.0001
	COMB9	-0.5872	-0.5872	-0.0121	-0.0100	-0.0021	0.0020
	COMB10	-0.2889	-0.2889	-0.0070	-0.0055	-0.0011	0.0013
3015							
	COMB1	-0.4271	-0.4271	-0.0042	-0.0018	0.0003	0.0014
	COMB2	-0.8371	-0.8371	-0.0073	-0.0053	0.0000	0.0023
	COMB3	-1.0661	-1.0661	-0.0092	-0.0071	-0.0001	0.0028
	COMB4	0.0396	0.0396	-0.0004	0.0017	0.0005	0.0002
	COMB5	-0.7063	-0.7063	-0.0063	-0.0042	0.0001	0.0020

RESULTADO DE ANALISIS ESTRUCTURAL - TECHO ARNAMENTAL (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames

ELE.	Stat.	OutputCase	P	V2	M3	ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
Text	m	Text	Ton	Ton	Ton-m								
	0.00	VIVA	-2.94E-01	-2.34E-03	-1.49E-04		COMB6	-0.0258	-0.0258	-0.0009	0.0012	0.0004	0.0004
	0.35	VIVA	-2.94E-01	-2.34E-03	6.79E-04		COMB7	-0.8274	-0.9189	-0.0071	-0.0059	-0.0001	0.0024
	0.00	VIENTO	-4.25E-01	-3.38E-03	-2.15E-04		COMB8	0.2783	0.2783	0.0017	0.0032	0.0005	-0.0004
	0.35	VIENTO	-4.25E-01	-3.38E-03	9.81E-04		COMB9	-0.4786	-0.4786	-0.0047	-0.0026	0.0002	0.0016
	0.00	ESPECTRO	3.46E-02	1.08E-04	3.48E-05		COMB10	-0.2399	-0.2399	-0.0026	-0.0010	0.0002	0.0009
	0.35	ESPECTRO	3.46E-02	1.08E-04	6.56E-05								
	0.00	DEAD	-1.80E-01	-1.50E-03	2.03E-04								
	0.35	DEAD	-1.80E-01	2.14E-04	4.31E-04		COMB1	-0.4375	-0.4375	-0.0039	-0.0015	0.0004	0.0013
	0.00	COBERT	-6.88E-02	-5.99E-04	-2.02E-05		COMB2	-0.8152	-0.8152	-0.0072	-0.0052	0.0002	0.0024
	0.35	COBERT	-6.88E-02	-5.99E-04	1.92E-04		COMB3	-1.0292	-1.0292	-0.0091	-0.0070	0.0001	0.0030
	0.00	CORREAS	-6.42E-02	-7.15E-04	7.92E-05		COMB4	0.0040	0.0040	-0.0001	0.0020	0.0004	0.0001
3016	0.35	CORREAS	-6.42E-02	-7.15E-04	3.32E-04	3016	COMB5	-0.6930	-0.6930	-0.0062	-0.0041	0.0002	0.0020
	0.00	VIVA	-2.75E-01	-2.40E-03	-8.09E-05		COMB6	-0.0571	-0.0571	-0.0006	0.0014	0.0004	0.0003
	0.35	VIVA	-2.75E-01	-2.40E-03	7.67E-04		COMB7	-0.7979	-0.8916	-0.0070	-0.0058	0.0001	0.0026
	0.00	VIENTO	-3.97E-01	-3.46E-03	-1.17E-04		COMB8	0.2353	0.2353	0.0020	0.0035	0.0004	-0.0006
	0.35	VIENTO	-3.97E-01	-3.46E-03	1.11E-03		COMB9	-0.4745	-0.4745	-0.0045	-0.0024	0.0003	0.0016
	0.00	ESPECTRO	3.81E-02	8.67E-05	3.72E-05		COMB10	-0.2432	-0.2432	-0.0025	-0.0009	0.0003	0.0009
	0.35	ESPECTRO	3.81E-02	8.67E-05	6.02E-05								
	0.00	DEAD	-2.12E-01	-2.31E-03	1.18E-04								
	0.35	DEAD	-2.12E-01	-5.95E-04	6.32E-04		COMB1	-0.4598	-0.4598	-0.0069	-0.0045	0.0002	0.0022
	0.00	COBERT	-6.41E-02	-1.33E-03	-5.21E-05		COMB2	-0.8041	-0.8041	-0.0144	-0.0124	-0.0002	0.0045
	0.35	COBERT	-6.41E-02	-1.33E-03	4.19E-04		COMB3	-1.0034	-1.0034	-0.0186	-0.0165	-0.0004	0.0058
	0.00	CORREAS	-5.27E-02	-1.27E-03	4.94E-05		COMB4	-0.0410	-0.0410	0.0015	0.0035	0.0004	-0.0005
	0.35	CORREAS	-5.27E-02	-1.27E-03	4.98E-04		COMB5	-0.6902	-0.6902	-0.0121	-0.0100	-0.0001	0.0038
3017	0.00	VIVA	-2.56E-01	-5.33E-03	-2.08E-04	3017	COMB6	-0.0980	-0.0980	0.0003	0.0023	0.0004	-0.0001
	0.35	VIVA	-2.56E-01	-5.33E-03	1.68E-03		COMB7	-0.7768	-0.8753	-0.0144	-0.0139	-0.0003	0.0050
	0.00	VIENTO	-3.70E-01	-7.71E-03	-3.01E-04		COMB8	0.1856	0.1856	0.0056	0.0071	0.0005	-0.0018
	0.35	VIENTO	-3.70E-01	-7.71E-03	2.42E-03		COMB9	-0.4796	-0.4796	-0.0083	-0.0063	0.0001	0.0028
	0.00	ESPECTRO	4.26E-02	2.18E-04	3.27E-05		COMB10	-0.2530	-0.2530	-0.0042	-0.0027	0.0001	0.0015
	0.35	ESPECTRO	4.26E-02	2.18E-04	9.09E-05								
	0.00	DEAD	-3.80E-01	1.09E-03	7.04E-04								
	0.36	DEAD	-3.80E-01	4.54E-03	-3.17E-04		COMB1	-0.8465	-0.8466	0.0056	0.0105	0.0025	-0.0005
	0.00	COBERT	-9.23E-02	1.77E-03	6.41E-04		COMB2	-1.3162	-1.3163	0.0161	0.0203	0.0062	-0.0004
	0.36	COBERT	-9.23E-02	1.77E-03	7.29E-07		COMB3	-1.6034	-1.6035	0.0216	0.0258	0.0082	-0.0004
	0.00	CORREAS	-1.32E-01	1.17E-03	4.16E-04		COMB4	-0.2169	-0.2169	-0.0049	-0.0008	-0.0014	-0.0004
1022	0.36	CORREAS	-1.32E-01	1.17E-03	-7.58E-06	1022	COMB5	-1.1522	-1.1523	0.0130	0.0171	0.0051	-0.0004
	0.00	VIVA	-3.69E-01	7.07E-03	2.56E-03		COMB6	-0.2989	-0.2990	-0.0033	0.0008	-0.0008	-0.0004
	0.36	VIVA	-3.69E-01	7.07E-03	2.91E-06		COMB7	-1.2375	-1.4189	0.0169	0.0222	0.0064	-0.0004
	0.00	VIENTO	-5.33E-01	1.02E-02	3.70E-03		COMB8	0.1491	0.1491	-0.0096	-0.0065	-0.0032	-0.0003
	0.36	VIENTO	-5.33E-01	1.02E-02	4.21E-06		COMB9	-0.8788	-0.8789	0.0088	0.0130	0.0035	-0.0004
	0.00	ESPECTRO	3.13E-02	4.74E-04	1.51E-04		COMB10	-0.5128	-0.5129	0.0041	0.0072	0.0017	-0.0003
	0.36	ESPECTRO	3.13E-02	4.74E-04	2.90E-05								
	0.00	DEAD	-4.65E-01	-1.33E-03	-1.57E-04								
	0.36	DEAD	-4.65E-01	2.12E-03	-3.00E-04		COMB1	-1.0735	-1.0737	-0.0009	0.0039	0.0001	-0.0004
	0.00	COBERT	-1.52E-01	1.05E-03	2.77E-04		COMB2	-1.8905	-1.8907	0.0059	0.0100	0.0019	-0.0010
	0.36	COBERT	-1.52E-01	1.05E-03	-1.02E-04		COMB3	-2.3625	-2.3626	0.0092	0.0133	0.0027	-0.0013
	0.00	CORREAS	-1.50E-01	-3.83E-04	-4.67E-05		COMB4	-0.0843	-0.0845	-0.0066	-0.0024	-0.0014	0.0002
1023	0.36	CORREAS	-1.50E-01	-3.83E-04	9.21E-05	1023	COMB5	-1.6211	-1.6213	0.0040	0.0082	0.0014	-0.0008
	0.00	VIVA	-6.07E-01	4.18E-03	1.11E-03		COMB6	-0.2192	-0.2193	-0.0056	-0.0015	-0.0012	0.0001
	0.36	VIVA	-6.07E-01	4.18E-03	-4.08E-04		COMB7	-1.8292	-2.0594	0.0073	0.0112	0.0021	-0.0011
	0.00	VIENTO	-8.76E-01	6.05E-03	1.60E-03		COMB8	0.4490	0.4489	-0.0085	-0.0054	-0.0020	0.0005
	0.36	VIENTO	-8.76E-01	6.05E-03	-5.89E-04		COMB9	-1.1825	-1.1827	0.0014	0.0055	0.0007	-0.0006
	0.00	ESPECTRO	4.09E-02	1.20E-04	3.58E-05		COMB10	-0.6492	-0.6494	-0.0005	0.0026	0.0001	-0.0003
	0.36	ESPECTRO	4.09E-02	1.20E-04	2.39E-05								
	0.00	DEAD	-5.43E-01	-1.57E-03	-2.67E-04								
	0.36	DEAD	-5.43E-01	1.87E-03	-3.22E-04		COMB1	-1.2618	-1.2622	-0.0013	0.0035	-0.0002	-0.0006
	0.00	COBERT	-1.99E-01	5.57E-04	1.18E-04		COMB2	-2.3559	-2.3562	0.0025	0.0066	0.0006	-0.0010
	0.36	COBERT	-1.99E-01	5.57E-04	-8.34E-05		COMB3	-2.9756	-2.9758	0.0042	0.0083	0.0010	-0.0013
	0.00	CORREAS	-1.59E-01	9.19E-05	4.07E-05		COMB4	0.0160	0.0157	-0.0042	0.0000	-0.0008	0.0000
1024	0.36	CORREAS	-1.59E-01	9.19E-05	7.42E-06	1024	COMB5	-2.0020	-2.0023	0.0015	0.0056	0.0004	-0.0009
	0.00	VIVA	-7.96E-01	2.23E-03	4.74E-04		COMB6	-0.1611	-0.1614	-0.0037	0.0004	-0.0007	-0.0001
	0.36	VIVA	-7.96E-01	2.23E-03	-3.34E-04		COMB7	-2.3069	-2.5776	0.0034	0.0072	0.0008	-0.0011
	0.00	VIENTO	-1.15E+00	3.22E-03	6.84E-04		COMB8	0.6846	0.6844	-0.0050	-0.0019	-0.0010	0.0003
	0.36	VIENTO	-1.15E+00	3.22E-03	-4.82E-04		COMB9	-1.4299	-1.4302	0.0001	0.0043	0.0001	-0.0006
	0.00	ESPECTRO	4.99E-02	1.25E-04	3.65E-05		COMB10	-0.7613	-0.7615	-0.0007	0.0024	-0.0001	-0.0003
	0.36	ESPECTRO	4.99E-02	1.25E-04	2.71E-05								
	0.00	DEAD	-6.05E-01	-2.40E-03	-4.94E-04								
	0.36	DEAD	-6.05E-01	1.03E-03	-2.47E-04		COMB1	-1.4250	-1.4255	-0.0037	0.0012	-0.0008	-0.0004
	0.00	COBERT	-2.33E-01	1.25E-04	-2.85E-05		COMB2	-2.7136	-2.7140	-0.0023	0.0018	-0.0009	-0.0008
	0.36	COBERT	-2.33E-01	1.25E-04	-7.37E-05		COMB3	-3.4393	-3.4397	-0.0019	0.0022	-0.0010	-0.0010
	0.00	CORREAS	-1.80E-01	-3.37E-04	-7.42E-05		COMB4	0.0638	0.0634	-0.0038	0.0003	-0.0006	0.0001
1025	0.36	CORREAS	-1.80E-01	-3.37E-04	4.78E-05	1025	COMB5	-2.2993	-2.2997	-0.0026	0.0016	-0.0008	-0.0007
	0.00	VIVA	-9.33E-01	4.99E-04	-1.14E-04		COMB6	-0.1436	-0.1440	-0.0037	0.0004	-0.0006	0.0000
	0.36	VIVA	-9.33E-01	4.99E-04	-2.95E-04		COMB7	-2.6676	-2.9734	-0.0014	0.0019	-0.0008	-0.0009
	0.00	VIENTO	-1.35E+00	7.21E-04	-1.65E-04		COMB8	0.8354	0.8351	-0.0033	-0.0002	-0.0003	0.0003
	0.36	VIENTO	-1.35E+00	7.21E-04	-4.26E-04		COMB9	-1.6305	-1.6309	-0.0028	0.0013	-0.0007	-0.0005

RESULTADO DE ANALISIS ESTRUCTURAL - TECHO ARNAMENTAL (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames

ELE.	Stat.	OutputCase	P	V2	M3
Text	m	Text	Ton	Ton	Ton-m
	0.00	ESPECTRO	5.73E-02	5.25E-05	3.46E-05
	0.36	ESPECTRO	5.73E-02	5.25E-05	2.01E-05
	0.00	DEAD	-6.50E-01	-2.98E-03	-6.43E-04
	0.36	DEAD	-6.51E-01	4.40E-04	-1.83E-04
	0.00	COBERT	-2.56E-01	-3.20E-04	-1.54E-04
	0.36	COBERT	-2.56E-01	-3.20E-04	-3.80E-05
	0.00	CORREAS	-1.88E-01	-1.20E-04	-3.95E-05
1026	0.36	CORREAS	-1.88E-01	-1.20E-04	3.89E-06
	0.00	VIVA	-1.02E+00	-1.28E-03	-6.16E-04
	0.36	VIVA	-1.02E+00	-1.28E-03	-1.52E-04
	0.00	VIENTO	-1.48E+00	-1.85E-03	-8.90E-04
	0.36	VIENTO	-1.48E+00	-1.85E-03	-2.19E-04
	0.00	ESPECTRO	6.28E-02	9.80E-05	4.76E-05
	0.36	ESPECTRO	6.28E-02	9.80E-05	1.42E-05
	0.00	DEAD	-6.76E-01	-4.24E-03	-8.20E-04
	0.36	DEAD	-6.76E-01	-8.33E-04	9.95E-05
	0.00	COBERT	-2.68E-01	-8.98E-04	-2.43E-04
	0.36	COBERT	-2.68E-01	-8.98E-04	8.18E-05
	0.00	CORREAS	-2.04E-01	-7.41E-04	-1.47E-04
1027	0.36	CORREAS	-2.04E-01	-7.41E-04	1.22E-04
	0.00	VIVA	-1.07E+00	-3.59E-03	-9.74E-04
	0.36	VIVA	-1.07E+00	-3.59E-03	3.27E-04
	0.00	VIENTO	-1.55E+00	-5.19E-03	-1.41E-03
	0.36	VIENTO	-1.55E+00	-5.19E-03	4.73E-04
	0.00	ESPECTRO	6.60E-02	2.38E-04	6.54E-05
	0.36	ESPECTRO	6.60E-02	2.38E-04	2.80E-05
	0.00	DEAD	-6.80E-01	-4.87E-03	-9.96E-04
	0.36	DEAD	-6.80E-01	-1.47E-03	1.53E-04
	0.00	COBERT	-2.71E-01	-1.21E-03	-3.35E-04
	0.36	COBERT	-2.71E-01	-1.21E-03	1.05E-04
	0.00	CORREAS	-2.05E-01	-4.72E-04	-1.27E-04
1028	0.36	CORREAS	-2.05E-01	-4.72E-04	4.37E-05
	0.00	VIVA	-1.08E+00	-4.86E-03	-1.34E-03
	0.36	VIVA	-1.08E+00	-4.86E-03	4.19E-04
	0.00	VIENTO	-1.56E+00	-7.02E-03	-1.94E-03
	0.36	VIENTO	-1.56E+00	-7.02E-03	6.06E-04
	0.00	ESPECTRO	6.67E-02	3.15E-04	8.57E-05
	0.36	ESPECTRO	6.67E-02	3.15E-04	3.23E-05
	0.00	DEAD	-6.65E-01	-5.52E-03	-1.11E-03
	0.36	DEAD	-6.66E-01	-2.14E-03	2.81E-04
	0.00	COBERT	-2.65E-01	-1.49E-03	-3.83E-04
	0.36	COBERT	-2.65E-01	-1.49E-03	1.56E-04
	0.00	CORREAS	-2.13E-01	-1.17E-03	-2.75E-04
1029	0.36	CORREAS	-2.13E-01	-1.17E-03	1.48E-04
	0.00	VIVA	-1.06E+00	-5.95E-03	-1.53E-03
	0.36	VIVA	-1.06E+00	-5.95E-03	6.23E-04
	0.00	VIENTO	-1.53E+00	-8.59E-03	-2.21E-03
	0.36	VIENTO	-1.53E+00	-8.59E-03	9.00E-04
	0.00	ESPECTRO	6.54E-02	3.97E-04	9.92E-05
	0.36	ESPECTRO	6.54E-02	3.97E-04	4.73E-05
	0.00	DEAD	-6.30E-01	-6.11E-03	-1.16E-03
	0.36	DEAD	-6.31E-01	-2.75E-03	4.47E-04
	0.00	COBERT	-2.51E-01	-1.73E-03	-4.04E-04
	0.36	COBERT	-2.51E-01	-1.73E-03	2.22E-04
	0.00	CORREAS	-2.05E-01	-9.36E-04	-2.07E-04
1030	0.36	CORREAS	-2.05E-01	-9.36E-04	1.31E-04
	0.00	VIVA	-1.00E+00	-6.91E-03	-1.61E-03
	0.36	VIVA	-1.00E+00	-6.91E-03	8.87E-04
	0.00	VIENTO	-1.45E+00	-9.98E-03	-2.33E-03
	0.36	VIENTO	-1.45E+00	-9.98E-03	1.28E-03
	0.00	ESPECTRO	6.16E-02	4.61E-04	1.05E-04
	0.36	ESPECTRO	6.16E-02	4.61E-04	6.42E-05
	0.00	DEAD	-5.77E-01	-6.11E-03	-1.13E-03
	0.36	DEAD	-5.78E-01	-2.77E-03	4.79E-04
	0.00	COBERT	-2.30E-01	-1.60E-03	-3.73E-04
	0.36	COBERT	-2.30E-01	-1.60E-03	2.05E-04
	0.00	CORREAS	-2.03E-01	-1.26E-03	-2.87E-04
1031	0.36	CORREAS	-2.03E-01	-1.26E-03	1.70E-04
	0.00	VIVA	-9.22E-01	-6.39E-03	-1.49E-03
	0.36	VIVA	-9.22E-01	-6.39E-03	8.21E-04
	0.00	VIENTO	-1.33E+00	-9.23E-03	-2.16E-03
	0.36	VIENTO	-1.33E+00	-9.23E-03	1.19E-03
	0.00	ESPECTRO	5.58E-02	5.03E-04	1.07E-04
	0.36	ESPECTRO	5.58E-02	5.03E-04	7.67E-05
	0.00	DEAD	-5.04E-01	-6.96E-03	-1.20E-03
	0.36	DEAD	-5.05E-01	-3.65E-03	7.21E-04

ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
	COMB10	-0.8588	-0.8591	-0.0023	0.0008	-0.0005	-0.0002
	COMB1	-1.5316	-1.5322	-0.0048	0.0000	-0.0012	-0.0003
	COMB2	-2.9496	-2.9501	-0.0062	-0.0020	-0.0020	-0.0005
	COMB3	-3.7456	-3.7461	-0.0072	-0.0030	-0.0025	-0.0006
	COMB4	0.0969	0.0964	-0.0023	0.0018	-0.0002	-0.0001
1026	COMB5	-2.4952	-2.4957	-0.0056	-0.0015	-0.0017	-0.0004
	COMB6	-0.1305	-0.1310	-0.0026	0.0015	-0.0003	-0.0001
	COMB7	-2.9059	-3.2346	-0.0055	-0.0024	-0.0019	-0.0005
	COMB8	0.9366	0.9363	-0.0007	0.0024	0.0004	0.0001
	COMB9	-1.7616	-1.7621	-0.0046	-0.0005	-0.0013	-0.0003
	COMB10	-0.9219	-0.9222	-0.0030	0.0001	-0.0007	-0.0002
	COMB1	-1.6078	-1.6085	-0.0082	-0.0035	-0.0017	0.0004
	COMB2	-3.0944	-3.0950	-0.0128	-0.0087	-0.0030	0.0009
	COMB3	-3.9290	-3.9297	-0.0156	-0.0115	-0.0038	0.0011
	COMB4	0.1002	0.0996	-0.0021	0.0020	-0.0001	-0.0001
1027	COMB5	-2.6178	-2.6185	-0.0112	-0.0071	-0.0026	0.0007
	COMB6	-0.1383	-0.1389	-0.0029	0.0012	-0.0003	0.0000
	COMB7	-3.0482	-3.3933	-0.0120	-0.0097	-0.0029	0.0010
	COMB8	0.9810	0.9806	0.0015	0.0045	0.0007	-0.0003
	COMB9	-1.8484	-1.8491	-0.0086	-0.0045	-0.0019	0.0006
	COMB10	-0.9676	-0.9680	-0.0051	-0.0020	-0.0010	0.0003
	COMB1	-1.6176	-1.6185	-0.0092	-0.0044	-0.0020	0.0004
	COMB2	-3.1191	-3.1199	-0.0156	-0.0116	-0.0039	0.0010
	COMB3	-3.9617	-3.9624	-0.0194	-0.0153	-0.0049	0.0014
	COMB4	0.1058	0.1050	-0.0012	0.0029	0.0001	-0.0002
1028	COMB5	-2.6381	-2.6388	-0.0135	-0.0094	-0.0033	0.0008
	COMB6	-0.1350	-0.1357	-0.0023	0.0018	-0.0002	-0.0001
	COMB7	-3.0736	-3.4210	-0.0150	-0.0129	-0.0038	0.0011
	COMB8	0.9938	0.9933	0.0032	0.0063	0.0012	-0.0005
	COMB9	-1.8612	-1.8619	-0.0100	-0.0059	-0.0023	0.0006
	COMB10	-0.9731	-0.9737	-0.0056	-0.0025	-0.0012	0.0003
	COMB1	-1.5996	-1.6006	-0.0114	-0.0067	-0.0025	0.0008
	COMB2	-3.0650	-3.0658	-0.0193	-0.0153	-0.0046	0.0017
	COMB3	-3.8887	-3.8895	-0.0239	-0.0199	-0.0058	0.0022
	COMB4	0.0878	0.0870	-0.0016	0.0024	0.0000	-0.0002
1029	COMB5	-2.5946	-2.5955	-0.0167	-0.0126	-0.0039	0.0014
	COMB6	-0.1476	-0.1484	-0.0029	0.0011	-0.0003	0.0000
	COMB7	-3.0166	-3.3602	-0.0185	-0.0169	-0.0045	0.0019
	COMB8	0.9599	0.9593	0.0038	0.0068	0.0013	-0.0006
	COMB9	-1.8351	-1.8359	-0.0124	-0.0083	-0.0028	0.0011
	COMB10	-0.9630	-0.9636	-0.0070	-0.0039	-0.0015	0.0006
	COMB1	-1.5198	-1.5209	-0.0123	-0.0076	-0.0025	0.0011
	COMB2	-2.9078	-2.9087	-0.0216	-0.0176	-0.0047	0.0024
	COMB3	-3.6884	-3.6893	-0.0270	-0.0229	-0.0060	0.0031
	COMB4	0.0798	0.0789	-0.0010	0.0030	0.0001	-0.0003
1030	COMB5	-2.4621	-2.4630	-0.0185	-0.0145	-0.0040	0.0020
	COMB6	-0.1432	-0.1442	-0.0025	0.0015	-0.0003	-0.0001
	COMB7	-2.8611	-3.1877	-0.0209	-0.0195	-0.0046	0.0026
	COMB8	0.9071	0.9064	0.0051	0.0081	0.0014	-0.0009
	COMB9	-1.7427	-1.7436	-0.0135	-0.0095	-0.0028	0.0015
	COMB10	-0.9154	-0.9161	-0.0074	-0.0044	-0.0015	0.0008
	COMB1	-1.4157	-1.4169	-0.0126	-0.0079	-0.0025	0.0012
	COMB2	-2.6879	-2.6890	-0.0210	-0.0170	-0.0045	0.0023
	COMB3	-3.4050	-3.4060	-0.0260	-0.0220	-0.0057	0.0030
	COMB4	0.0565	0.0554	-0.0020	0.0020	-0.0001	-0.0001
1031	COMB5	-2.2785	-2.2796	-0.0182	-0.0141	-0.0039	0.0020
	COMB6	-0.1484	-0.1495	-0.0034	0.0006	-0.0004	0.0001
	COMB7	-2.6408	-2.9452	-0.0201	-0.0188	-0.0044	0.0026
	COMB8	0.8206	0.8198	0.0039	0.0069	0.0012	-0.0008
	COMB9	-1.6184	-1.6195	-0.0135	-0.0095	-0.0028	0.0015
	COMB10	-0.8543	-0.8551	-0.0076	-0.0046	-0.0015	0.0008
	COMB1	-1.2521	-1.2534	-0.0142	-0.0095	-0.0026	0.0017

RESULTADO DE ANALISIS ESTRUCTURAL - TECHO ARNAMENTAL (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames

ELE.	Stat.	OutputCase	P	V2	M3
Text	m	Text	Ton	Ton	Ton-m
1032	0.00	COBERT	-2.05E-01	-1.90E-03	-4.05E-04
	0.36	COBERT	-2.05E-01	-1.90E-03	2.83E-04
	0.00	CORREAS	-1.86E-01	-1.25E-03	-2.54E-04
	0.36	CORREAS	-1.86E-01	-1.25E-03	2.00E-04
	0.00	VIVA	-8.19E-01	-7.60E-03	-1.62E-03
	0.36	VIVA	-8.19E-01	-7.60E-03	1.13E-03
	0.00	VIENTO	-1.18E+00	-1.10E-02	-2.34E-03
	0.36	VIENTO	-1.18E+00	-1.10E-02	1.64E-03
	0.00	ESPECTRO	4.73E-02	5.97E-04	1.12E-04
	0.36	ESPECTRO	4.73E-02	5.97E-04	1.06E-04
1033	0.00	DEAD	-4.18E-01	-6.29E-03	-1.03E-03
	0.36	DEAD	-4.19E-01	-3.01E-03	6.52E-04
	0.00	COBERT	-1.76E-01	-1.59E-03	-3.34E-04
	0.36	COBERT	-1.76E-01	-1.59E-03	2.42E-04
	0.00	CORREAS	-1.76E-01	-1.27E-03	-2.72E-04
	0.36	CORREAS	-1.76E-01	-1.27E-03	1.88E-04
	0.00	VIVA	-7.05E-01	-6.36E-03	-1.34E-03
	0.36	VIVA	-7.05E-01	-6.36E-03	9.67E-04
	0.00	VIENTO	-1.02E+00	-9.19E-03	-1.93E-03
	0.36	VIENTO	-1.02E+00	-9.19E-03	1.40E-03
	0.00	ESPECTRO	3.76E-02	5.35E-04	9.56E-05
	0.36	ESPECTRO	3.76E-02	5.35E-04	9.94E-05
1034	0.00	DEAD	-3.21E-01	-5.57E-03	-9.53E-04
	0.36	DEAD	-3.22E-01	-2.31E-03	4.74E-04
	0.00	COBERT	-1.46E-01	-1.24E-03	-3.00E-04
	0.36	COBERT	-1.46E-01	-1.24E-03	1.50E-04
	0.00	CORREAS	-1.56E-01	-6.66E-04	-1.97E-04
	0.36	CORREAS	-1.56E-01	-6.66E-04	4.42E-05
	0.00	VIVA	-5.82E-01	-4.96E-03	-1.20E-03
	0.36	VIVA	-5.82E-01	-4.96E-03	5.98E-04
	0.00	VIENTO	-8.41E-01	-7.17E-03	-1.73E-03
	0.36	VIENTO	-8.41E-01	-7.17E-03	8.64E-04
	0.00	ESPECTRO	2.66E-02	3.46E-04	7.06E-05
	0.36	ESPECTRO	2.66E-02	3.46E-04	5.78E-05
1035	0.00	DEAD	-2.14E-01	-1.31E-02	-1.61E-03
	0.36	DEAD	-2.15E-01	-9.83E-03	2.53E-03
	0.00	COBERT	-1.13E-01	-4.49E-03	-5.95E-04
	0.36	COBERT	-1.13E-01	-4.49E-03	1.03E-03
	0.00	CORREAS	-1.43E-01	-5.25E-03	-6.72E-04
	0.36	CORREAS	-1.43E-01	-5.25E-03	1.23E-03
	0.00	VIVA	-4.51E-01	-1.79E-02	-2.38E-03
	0.36	VIVA	-4.51E-01	-1.79E-02	4.12E-03
	0.00	VIENTO	-6.51E-01	-2.59E-02	-3.44E-03
	0.36	VIENTO	-6.51E-01	-2.59E-02	5.95E-03
	0.00	ESPECTRO	1.45E-02	1.34E-03	1.79E-04
	0.36	ESPECTRO	1.45E-02	1.34E-03	3.05E-04
725	0.00	DEAD	-2.27E-01	-2.19E-02	-7.23E-03
	0.49	DEAD	-2.27E-01	-1.95E-02	2.98E-03
	0.00	COBERT	-1.21E-01	-1.03E-02	-3.59E-03
	0.49	COBERT	-1.21E-01	-1.03E-02	1.49E-03
	0.00	CORREAS	-1.58E-01	-1.81E-02	-6.32E-03
	0.49	CORREAS	-1.58E-01	-1.81E-02	2.60E-03
	0.00	VIVA	-4.83E-01	-4.13E-02	-1.43E-02
	0.49	VIVA	-4.83E-01	-4.13E-02	5.97E-03
	0.00	VIENTO	-6.98E-01	-5.96E-02	-2.07E-02
	0.49	VIENTO	-6.98E-01	-5.96E-02	8.62E-03
	0.00	ESPECTRO	1.53E-02	1.97E-03	6.60E-04
	0.49	ESPECTRO	1.53E-02	1.97E-03	3.15E-04
MONTANTES					
726	0.00	DEAD	2.34E-01	-6.17E-03	-1.44E-03
	0.38	DEAD	2.30E-01	-4.82E-03	6.59E-04
	0.00	COBERT	8.03E-02	-8.69E-04	-2.73E-04
	0.38	COBERT	8.03E-02	-8.69E-04	5.92E-05
	0.00	CORREAS	6.86E-02	3.52E-03	7.10E-04
	0.38	CORREAS	6.86E-02	3.52E-03	-6.38E-04
	0.00	VIVA	3.21E-01	-3.48E-03	-1.09E-03
	0.38	VIVA	3.21E-01	-3.48E-03	2.37E-04
	0.00	VIENTO	4.64E-01	-5.02E-03	-1.58E-03
	0.38	VIENTO	4.64E-01	-5.02E-03	3.42E-04
	0.00	ESPECTRO	2.13E-02	1.32E-03	3.09E-04
	0.38	ESPECTRO	2.13E-02	1.32E-03	2.07E-04
	0.00	DEAD	5.41E-02	4.59E-03	8.20E-04
	0.35	DEAD	5.58E-02	4.59E-03	-7.86E-04
	0.00	COBERT	7.77E-03	2.12E-03	4.19E-04
	0.35	COBERT	7.77E-03	2.12E-03	-3.22E-04
	0.00	CORREAS	3.03E-03	2.73E-03	5.19E-04

ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
1032	COMB2	-2.3840	-2.3852	-0.0243	-0.0203	-0.0048	0.0033
	COMB3	-3.0214	-3.0226	-0.0302	-0.0262	-0.0061	0.0041
	COMB4	0.0558	0.0546	-0.0017	0.0023	0.0000	-0.0001
	COMB5	-2.0200	-2.0212	-0.0209	-0.0170	-0.0041	0.0028
	COMB6	-0.1264	-0.1275	-0.0034	0.0006	-0.0004	0.0001
	COMB7	-2.3435	-2.6130	-0.0234	-0.0224	-0.0047	0.0036
	COMB8	0.7337	0.7328	0.0052	0.0081	0.0014	-0.0010
	COMB9	-1.4355	-1.4367	-0.0153	-0.0114	-0.0029	0.0021
	COMB10	-0.7576	-0.7585	-0.0085	-0.0055	-0.0016	0.0012
1033	COMB1	-1.0791	-1.0805	-0.0128	-0.0082	-0.0023	0.0015
	COMB2	-2.0532	-2.0544	-0.0212	-0.0172	-0.0041	0.0028
	COMB3	-2.6018	-2.6031	-0.0261	-0.0222	-0.0051	0.0036
	COMB4	0.0469	0.0456	-0.0022	0.0017	-0.0001	0.0000
	COMB5	-1.7399	-1.7412	-0.0183	-0.0144	-0.0035	0.0024
	COMB6	-0.1099	-0.1112	-0.0036	0.0003	-0.0004	0.0002
	COMB7	-2.0180	-2.2505	-0.0202	-0.0190	-0.0040	0.0031
	COMB8	0.6307	0.6297	0.0037	0.0067	0.0010	-0.0008
	COMB9	-1.2399	-1.2411	-0.0136	-0.0097	-0.0025	0.0019
	COMB10	-0.6561	-0.6570	-0.0077	-0.0047	-0.0014	0.0011
1034	COMB1	-0.8711	-0.8727	-0.0105	-0.0059	-0.0020	0.0009
	COMB2	-1.6785	-1.6799	-0.0169	-0.0130	-0.0037	0.0018
	COMB3	-2.1317	-2.1331	-0.0208	-0.0169	-0.0046	0.0022
	COMB4	0.0559	0.0546	-0.0021	0.0018	-0.0001	0.0000
	COMB5	-1.4198	-1.4212	-0.0147	-0.0108	-0.0031	0.0015
	COMB6	-0.0736	-0.0749	-0.0032	0.0007	-0.0004	0.0001
	COMB7	-1.6538	-1.8419	-0.0160	-0.0144	-0.0036	0.0019
	COMB8	0.5338	0.5328	0.0026	0.0055	0.0009	-0.0005
	COMB9	-1.0113	-1.0126	-0.0111	-0.0072	-0.0023	0.0012
	COMB10	-0.5334	-0.5344	-0.0064	-0.0035	-0.0012	0.0007
1035	COMB1	-0.6569	-0.6586	-0.0319	-0.0274	-0.0040	0.0067
	COMB2	-1.2843	-1.2858	-0.0561	-0.0522	-0.0073	0.0123
	COMB3	-1.6351	-1.6365	-0.0700	-0.0662	-0.0091	0.0155
	COMB4	0.0582	0.0567	-0.0026	0.0013	-0.0002	0.0001
	COMB5	-1.0840	-1.0855	-0.0481	-0.0442	-0.0062	0.0105
	COMB6	-0.0421	-0.0435	-0.0066	-0.0027	-0.0007	0.0010
	COMB7	-1.2689	-1.4111	-0.0542	-0.0572	-0.0071	0.0135
	COMB8	0.4243	0.4232	0.0132	0.0161	0.0019	-0.0034
	COMB9	-0.7740	-0.7754	-0.0350	-0.0311	-0.0045	0.0081
	COMB10	-0.4078	-0.4089	-0.0192	-0.0163	-0.0024	0.0046
725	COMB1	-0.7077	-0.7077	-0.0705	-0.0672	-0.0240	0.0099
	COMB2	-1.3797	-1.3797	-0.1265	-0.1236	-0.0435	0.0180
	COMB3	-1.7556	-1.7556	-0.1586	-0.1557	-0.0547	0.0227
	COMB4	0.0592	0.0592	-0.0036	-0.0007	-0.0008	0.0003
	COMB5	-1.1650	-1.1650	-0.1082	-0.1053	-0.0371	0.0154
	COMB6	-0.0482	-0.0482	-0.0128	-0.0099	-0.0040	0.0016
	COMB7	-1.3624	-1.5140	-0.1229	-0.1351	-0.0424	0.0197
	COMB8	0.4524	0.4524	0.0322	0.0343	0.0115	-0.0048
	COMB9	-0.8329	-0.8329	-0.0791	-0.0763	-0.0271	0.0118
	COMB10	-0.4397	-0.4397	-0.0434	-0.0412	-0.0148	0.0067
MONTANTES							
726	COMB1	0.5357	0.5310	-0.0049	-0.0030	-0.0014	0.0001
	COMB2	0.9731	0.9690	-0.0098	-0.0082	-0.0030	0.0005
	COMB3	1.2230	1.2189	-0.0125	-0.0109	-0.0038	0.0007
	COMB4	0.0166	0.0125	0.0006	0.0022	0.0003	-0.0002
	COMB5	0.8304	0.8263	-0.0082	-0.0066	-0.0025	0.0004
	COMB6	0.0880	0.0839	-0.0002	0.0014	0.0001	-0.0002
	COMB7	0.9476	1.0583	-0.0097	-0.0091	-0.0030	0.0005
	COMB8	-0.2588	-0.2619	0.0034	0.0046	0.0011	-0.0004
	COMB9	0.6411	0.6370	-0.0046	-0.0030	-0.0014	0.0004
	COMB10	0.3657	0.3627	-0.0018	-0.0006	-0.0006	0.0003
	COMB1	0.0908	0.0932	0.0132	0.0132	0.0025	-0.0022
	COMB2	0.1275	0.1296	0.0249	0.0249	0.0048	-0.0039
	COMB3	0.1517	0.1538	0.0314	0.0314	0.0061	-0.0049
	COMB4	0.0350	0.0371	-0.0003	-0.0003	-0.0002	-0.0001

RESULTADO DE ANALISIS ESTRUCTURAL - TECHO ARNAMENTAL (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames

ELE.	Stat.	OutputCase	P	V2	M3
Text	m	Text	Ton	Ton	Ton-m
727	0.35	CORREAS	3.03E-03	2.73E-03	-4.36E-04
	0.00	VIVA	3.11E-02	8.46E-03	1.67E-03
	0.35	VIVA	3.11E-02	8.46E-03	-1.29E-03
	0.00	VIENTO	4.49E-02	1.22E-02	2.42E-03
	0.35	VIENTO	4.49E-02	1.22E-02	-1.86E-03
	0.00	ESPECTRO	5.43E-03	6.22E-04	1.15E-04
	0.35	ESPECTRO	5.43E-03	6.22E-04	1.03E-04
728	0.00	DEAD	-8.84E-02	-1.06E-02	-2.06E-03
	0.38	DEAD	-9.18E-02	-9.37E-03	1.72E-03
	0.00	COBERT	-2.88E-02	-3.70E-03	-7.59E-04
	0.38	COBERT	-2.88E-02	-3.70E-03	6.41E-04
	0.00	CORREAS	-8.07E-03	-4.09E-03	-8.96E-04
	0.38	CORREAS	-8.07E-03	-4.09E-03	6.50E-04
	0.00	VIVA	-1.15E-01	-1.48E-02	-3.04E-03
	0.38	VIVA	-1.15E-01	-1.48E-02	2.57E-03
	0.00	VIENTO	-1.66E-01	-2.14E-02	-4.38E-03
	0.38	VIENTO	-1.66E-01	-2.14E-02	3.71E-03
	0.00	ESPECTRO	1.05E-02	1.20E-03	2.60E-04
	0.38	ESPECTRO	1.05E-02	1.20E-03	1.96E-04
729	0.00	DEAD	-1.81E-03	-7.08E-03	-1.24E-03
	0.36	DEAD	-5.15E-03	-6.53E-03	1.19E-03
	0.00	COBERT	-2.67E-03	-2.91E-03	-5.20E-04
	0.36	COBERT	-2.67E-03	-2.91E-03	5.17E-04
	0.00	CORREAS	-4.09E-03	-2.23E-03	-3.67E-04
	0.36	CORREAS	-4.09E-03	-2.23E-03	4.28E-04
	0.00	VIVA	-1.07E-02	-1.16E-02	-2.08E-03
	0.36	VIVA	-1.07E-02	-1.16E-02	2.07E-03
	0.00	VIENTO	-1.54E-02	-1.68E-02	-3.00E-03
	0.36	VIENTO	-1.54E-02	-1.68E-02	2.99E-03
	0.00	ESPECTRO	1.36E-03	7.57E-04	1.36E-04
	0.36	ESPECTRO	1.36E-03	7.57E-04	1.34E-04
730	0.00	DEAD	1.57E-02	-3.88E-03	-6.85E-04
	0.35	DEAD	1.40E-02	-3.65E-03	6.50E-04
	0.00	COBERT	5.86E-03	-1.63E-03	-2.90E-04
	0.35	COBERT	5.86E-03	-1.63E-03	2.88E-04
	0.00	CORREAS	1.12E-02	-1.32E-03	-2.21E-04
	0.35	CORREAS	1.12E-02	-1.32E-03	2.46E-04
	0.00	VIVA	2.34E-02	-6.54E-03	-1.16E-03
	0.35	VIVA	2.34E-02	-6.54E-03	1.15E-03
	0.00	VIENTO	3.39E-02	-9.44E-03	-1.68E-03
	0.35	VIENTO	3.39E-02	-9.44E-03	1.67E-03
	0.00	ESPECTRO	2.35E-03	4.39E-04	7.96E-05
	0.35	ESPECTRO	2.35E-03	4.39E-04	7.61E-05
731	0.00	DEAD	-3.64E-02	-8.57E-03	-1.53E-03
	0.36	DEAD	-3.98E-02	-7.83E-03	1.43E-03
	0.00	COBERT	-1.73E-02	-3.41E-03	-6.25E-04
	0.36	COBERT	-1.73E-02	-3.41E-03	6.05E-04
	0.00	CORREAS	-1.22E-02	-2.55E-03	-4.43E-04
	0.36	CORREAS	-1.22E-02	-2.55E-03	4.77E-04
	0.00	VIVA	-6.93E-02	-1.36E-02	-2.50E-03
	0.36	VIVA	-6.93E-02	-1.36E-02	2.42E-03
	0.00	VIENTO	-1.00E-01	-1.97E-02	-3.61E-03
	0.36	VIENTO	-1.00E-01	-1.97E-02	3.50E-03
	0.00	ESPECTRO	4.66E-03	9.12E-04	1.67E-04
	0.36	ESPECTRO	4.66E-03	9.12E-04	1.62E-04
732	0.00	DEAD	-1.86E-02	-7.49E-03	-1.31E-03
	0.36	DEAD	-2.20E-02	-6.84E-03	1.26E-03
	0.00	COBERT	-1.05E-02	-3.00E-03	-5.35E-04
	0.36	COBERT	-1.05E-02	-3.00E-03	5.39E-04
	0.00	CORREAS	3.81E-03	-2.16E-03	-3.64E-04
	0.36	CORREAS	3.81E-03	-2.16E-03	4.09E-04
	0.00	VIVA	-4.22E-02	-1.20E-02	-2.14E-03
	0.36	VIVA	-4.22E-02	-1.20E-02	2.15E-03
	0.00	VIENTO	-6.09E-02	-1.73E-02	-3.09E-03
	0.36	VIENTO	-6.09E-02	-1.73E-02	3.11E-03
	0.00	ESPECTRO	2.67E-03	8.01E-04	1.44E-04
	0.36	ESPECTRO	2.67E-03	8.01E-04	1.43E-04
733	0.00	DEAD	-6.94E-02	-9.45E-03	-1.73E-03
	0.37	DEAD	-7.28E-02	-8.51E-03	1.56E-03
	0.00	COBERT	-2.72E-02	-3.39E-03	-6.42E-04
	0.37	COBERT	-2.72E-02	-3.39E-03	6.03E-04
	0.00	CORREAS	-2.05E-02	-2.59E-03	-4.67E-04
	0.37	CORREAS	-2.05E-02	-2.59E-03	4.83E-04
	0.00	VIVA	-1.09E-01	-1.36E-02	-2.57E-03
	0.37	VIVA	-1.09E-01	-1.36E-02	2.41E-03
	0.00	VIENTO	-1.57E-01	-1.96E-02	-3.71E-03

ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
727	COMB5	0.1137	0.1158	0.0211	0.0211	0.0040	-0.0033
	COMB6	0.0419	0.0440	0.0015	0.0015	0.0002	-0.0004
	COMB7	0.1167	0.1382	0.0244	0.0272	0.0047	-0.0043
	COMB8	0.0000	0.0016	-0.0074	-0.0074	-0.0016	0.0010
	COMB9	0.0988	0.1008	0.0162	0.0162	0.0031	-0.0024
	COMB10	0.0638	0.0653	0.0091	0.0091	0.0017	-0.0013
728	COMB1	-0.1754	-0.1801	-0.0258	-0.0240	-0.0052	0.0042
	COMB2	-0.3347	-0.3387	-0.0458	-0.0443	-0.0093	0.0077
	COMB3	-0.4243	-0.4284	-0.0573	-0.0558	-0.0117	0.0097
	COMB4	0.0085	0.0044	-0.0017	-0.0002	-0.0003	0.0001
	COMB5	-0.2835	-0.2875	-0.0392	-0.0377	-0.0080	0.0066
	COMB6	-0.0172	-0.0212	-0.0050	-0.0035	-0.0009	0.0007
	COMB7	-0.3291	-0.3708	-0.0444	-0.0484	-0.0090	0.0084
	COMB8	0.1036	0.1006	0.0113	0.0124	0.0024	-0.0021
	COMB9	-0.1974	-0.2015	-0.0283	-0.0268	-0.0057	0.0051
	COMB10	-0.1022	-0.1053	-0.0154	-0.0142	-0.0031	0.0029
729	COMB1	-0.0120	-0.0167	-0.0171	-0.0163	-0.0030	0.0030
	COMB2	-0.0274	-0.0314	-0.0333	-0.0326	-0.0059	0.0059
	COMB3	-0.0357	-0.0397	-0.0424	-0.0417	-0.0075	0.0075
	COMB4	0.0044	0.0004	0.0014	0.0020	0.0003	-0.0003
	COMB5	-0.0226	-0.0266	-0.0281	-0.0275	-0.0049	0.0049
	COMB6	0.0021	-0.0020	-0.0012	-0.0006	-0.0001	0.0002
	COMB7	-0.0277	-0.0343	-0.0329	-0.0359	-0.0058	0.0064
	COMB8	0.0123	0.0093	0.0109	0.0114	0.0020	-0.0020
	COMB9	-0.0143	-0.0183	-0.0197	-0.0191	-0.0035	0.0037
	COMB10	-0.0064	-0.0094	-0.0102	-0.0098	-0.0018	0.0021
730	COMB1	0.0459	0.0435	-0.0096	-0.0092	-0.0017	0.0017
	COMB2	0.0768	0.0748	-0.0187	-0.0184	-0.0033	0.0033
	COMB3	0.0951	0.0930	-0.0237	-0.0235	-0.0042	0.0042
	COMB4	0.0070	0.0050	0.0008	0.0011	0.0002	-0.0002
	COMB5	0.0664	0.0644	-0.0158	-0.0155	-0.0028	0.0028
	COMB6	0.0122	0.0102	-0.0007	-0.0004	-0.0001	0.0001
	COMB7	0.0735	0.0813	-0.0184	-0.0202	-0.0033	0.0036
	COMB8	-0.0145	-0.0161	0.0061	0.0063	0.0011	-0.0011
	COMB9	0.0534	0.0514	-0.0110	-0.0108	-0.0019	0.0021
	COMB10	0.0319	0.0303	-0.0057	-0.0055	-0.0010	0.0011
731	COMB1	-0.0923	-0.0970	-0.0203	-0.0193	-0.0036	0.0035
	COMB2	-0.1899	-0.1939	-0.0393	-0.0384	-0.0071	0.0069
	COMB3	-0.2438	-0.2478	-0.0499	-0.0490	-0.0091	0.0088
	COMB4	0.0164	0.0123	0.0014	0.0022	0.0003	-0.0003
	COMB5	-0.1591	-0.1632	-0.0332	-0.0323	-0.0060	0.0058
	COMB6	0.0010	-0.0031	-0.0017	-0.0008	-0.0002	0.0002
	COMB7	-0.1894	-0.2132	-0.0387	-0.0422	-0.0070	0.0076
	COMB8	0.0708	0.0677	0.0125	0.0132	0.0024	-0.0023
	COMB9	-0.1091	-0.1131	-0.0233	-0.0225	-0.0042	0.0044
	COMB10	-0.0547	-0.0577	-0.0122	-0.0115	-0.0022	0.0024
732	COMB1	-0.0355	-0.0402	-0.0177	-0.0168	-0.0031	0.0031
	COMB2	-0.0979	-0.1019	-0.0344	-0.0336	-0.0061	0.0061
	COMB3	-0.1307	-0.1347	-0.0437	-0.0429	-0.0077	0.0078
	COMB4	0.0277	0.0236	0.0014	0.0021	0.0003	-0.0003
	COMB5	-0.0791	-0.0832	-0.0290	-0.0283	-0.0051	0.0051
	COMB6	0.0183	0.0143	-0.0013	-0.0005	-0.0002	0.0002
	COMB7	-0.1020	-0.1136	-0.0339	-0.0369	-0.0060	0.0067
	COMB8	0.0563	0.0533	0.0111	0.0117	0.0020	-0.0021
	COMB9	-0.0488	-0.0528	-0.0204	-0.0196	-0.0036	0.0039
	COMB10	-0.0201	-0.0232	-0.0106	-0.0100	-0.0018	0.0021
733	COMB1	-0.1639	-0.1686	-0.0216	-0.0203	-0.0040	0.0037
	COMB2	-0.3144	-0.3184	-0.0402	-0.0391	-0.0075	0.0070
	COMB3	-0.3989	-0.4030	-0.0508	-0.0497	-0.0095	0.0089
	COMB4	0.0093	0.0053	0.0002	0.0013	0.0001	-0.0001
	COMB5	-0.2661	-0.2701	-0.0342	-0.0331	-0.0064	0.0060
	COMB6	-0.0149	-0.0189	-0.0028	-0.0017	-0.0004	0.0004
	COMB7	-0.3095	-0.3486	-0.0394	-0.0429	-0.0074	0.0077
	COMB8	0.0988	0.0957	0.0116	0.0124	0.0023	-0.0021

RESULTADO DE ANALISIS ESTRUCTURAL - TECHO ARNAMENTAL (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames													
ELE.	Stat.	OutputCase	P	V2	M3	ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
Text	m	Text	Ton	Ton	Ton-m								
	0.37	VIENTO	-1.57E-01	-1.96E-02	3.48E-03		COMB9	-0.1862	-0.1903	-0.0242	-0.0231	-0.0045	0.0046
	0.00	ESPECTRO	8.60E-03	1.11E-03	2.16E-04		COMB10	-0.0968	-0.0998	-0.0128	-0.0119	-0.0023	0.0026
	0.37	ESPECTRO	8.60E-03	1.11E-03	1.93E-04								
	0.00	DEAD	-5.20E-02	-9.22E-03	-1.65E-03								
	0.36	DEAD	-5.54E-02	-8.38E-03	1.55E-03		COMB1	-0.1118	-0.1165	-0.0217	-0.0205	-0.0039	0.0038
	0.00	COBERT	-2.33E-02	-3.51E-03	-6.46E-04		COMB2	-0.2447	-0.2487	-0.0411	-0.0401	-0.0075	0.0073
	0.36	COBERT	-2.33E-02	-3.51E-03	6.32E-04		COMB3	-0.3171	-0.3211	-0.0520	-0.0510	-0.0095	0.0092
	0.00	CORREAS	-4.55E-03	-2.74E-03	-4.91E-04		COMB4	0.0325	0.0284	0.0008	0.0018	0.0002	-0.0003
734	0.36	CORREAS	-4.55E-03	-2.74E-03	5.04E-04	734	COMB5	-0.2033	-0.2074	-0.0348	-0.0338	-0.0063	0.0061
	0.00	VIVA	-9.31E-02	-1.41E-02	-2.58E-03		COMB6	0.0118	0.0077	-0.0023	-0.0013	-0.0004	0.0003
	0.36	VIVA	-9.31E-02	-1.41E-02	2.53E-03		COMB7	-0.2466	-0.2746	-0.0403	-0.0440	-0.0074	0.0080
	0.00	VIENTO	-1.34E-01	-2.03E-02	-3.73E-03		COMB8	0.1030	0.0999	0.0125	0.0132	0.0023	-0.0023
	0.36	VIENTO	-1.34E-01	-2.03E-02	3.65E-03		COMB9	-0.1359	-0.1400	-0.0246	-0.0236	-0.0045	0.0047
	0.00	ESPECTRO	6.37E-03	9.99E-04	1.84E-04		COMB10	-0.0655	-0.0685	-0.0129	-0.0122	-0.0023	0.0026
	0.36	ESPECTRO	6.37E-03	9.99E-04	1.79E-04								
	0.00	DEAD	-9.10E-02	-8.41E-03	-1.55E-03								
	0.37	DEAD	-9.43E-02	-7.28E-03	1.39E-03		COMB1	-0.2050	-0.2097	-0.0185	-0.0169	-0.0034	0.0032
	0.00	COBERT	-3.20E-02	-2.73E-03	-5.21E-04		COMB2	-0.3804	-0.3844	-0.0333	-0.0320	-0.0063	0.0059
	0.37	COBERT	-3.20E-02	-2.73E-03	5.01E-04		COMB3	-0.4799	-0.4840	-0.0418	-0.0405	-0.0079	0.0075
	0.00	CORREAS	-2.35E-02	-2.05E-03	-3.82E-04		COMB4	0.0005	-0.0035	-0.0008	0.0006	-0.0001	0.0000
735	0.37	CORREAS	-2.35E-02	-2.05E-03	3.83E-04	735	COMB5	-0.3236	-0.3276	-0.0285	-0.0271	-0.0053	0.0050
	0.00	VIVA	-1.28E-01	-1.09E-02	-2.08E-03		COMB6	-0.0279	-0.0320	-0.0032	-0.0018	-0.0005	0.0004
	0.37	VIVA	-1.28E-01	-1.09E-02	2.00E-03		COMB7	-0.3720	-0.4200	-0.0324	-0.0350	-0.0061	0.0065
	0.00	VIENTO	-1.85E-01	-1.58E-02	-3.01E-03		COMB8	0.1084	0.1054	0.0087	0.0097	0.0017	-0.0017
	0.37	VIENTO	-1.85E-01	-1.58E-02	2.90E-03		COMB9	-0.2285	-0.2326	-0.0204	-0.0191	-0.0038	0.0039
	0.00	ESPECTRO	1.12E-02	8.72E-04	1.64E-04		COMB10	-0.1206	-0.1237	-0.0110	-0.0100	-0.0020	0.0022
	0.37	ESPECTRO	1.12E-02	8.72E-04	1.63E-04								
	0.00	DEAD	-8.07E-02	-1.02E-02	-1.89E-03								
	0.37	DEAD	-8.41E-02	-9.14E-03	1.69E-03		COMB1	-0.1708	-0.1756	-0.0235	-0.0220	-0.0044	0.0040
	0.00	COBERT	-3.00E-02	-3.51E-03	-6.70E-04		COMB2	-0.3381	-0.3422	-0.0426	-0.0413	-0.0081	0.0075
	0.37	COBERT	-3.00E-02	-3.51E-03	6.29E-04		COMB3	-0.4313	-0.4354	-0.0535	-0.0522	-0.0102	0.0094
	0.00	CORREAS	-1.14E-02	-3.08E-03	-5.94E-04		COMB4	0.0187	0.0146	-0.0008	0.0005	-0.0001	0.0000
736	0.37	CORREAS	-1.14E-02	-3.08E-03	5.45E-04	736	COMB5	-0.2849	-0.2889	-0.0363	-0.0351	-0.0069	0.0063
	0.00	VIVA	-1.20E-01	-1.40E-02	-2.68E-03		COMB6	-0.0080	-0.0120	-0.0039	-0.0027	-0.0007	0.0005
	0.37	VIVA	-1.20E-01	-1.40E-02	2.52E-03		COMB7	-0.3348	-0.3755	-0.0414	-0.0452	-0.0079	0.0082
	0.00	VIENTO	-1.73E-01	-2.03E-02	-3.87E-03		COMB8	0.1152	0.1121	0.0113	0.0122	0.0022	-0.0022
	0.37	VIENTO	-1.73E-01	-2.03E-02	3.63E-03		COMB9	-0.1967	-0.2007	-0.0260	-0.0247	-0.0049	0.0049
	0.00	ESPECTRO	9.69E-03	1.15E-03	2.21E-04		COMB10	-0.1001	-0.1032	-0.0139	-0.0130	-0.0026	0.0028
	0.37	ESPECTRO	9.69E-03	1.15E-03	2.03E-04								
	0.00	DEAD	6.48E-02	-1.76E-03	-3.16E-04								
	0.35	DEAD	6.31E-02	-1.67E-03	2.85E-04		COMB1	0.1511	0.1487	-0.0054	-0.0052	-0.0009	0.0009
	0.00	COBERT	3.89E-02	-8.85E-04	-1.54E-04		COMB2	0.3782	0.3762	-0.0102	-0.0101	-0.0018	0.0018
	0.35	COBERT	3.89E-02	-8.85E-04	1.56E-04		COMB3	0.4991	0.4971	-0.0130	-0.0129	-0.0023	0.0023
	0.00	CORREAS	4.31E-03	-1.18E-03	-1.92E-04		COMB4	-0.0847	-0.0867	0.0003	0.0004	0.0001	-0.0001
737	0.35	CORREAS	4.31E-03	-1.18E-03	2.20E-04	737	COMB5	0.3092	0.3071	-0.0087	-0.0086	-0.0015	0.0015
	0.00	VIVA	1.55E-01	-3.54E-03	-6.16E-04		COMB6	-0.0501	-0.0521	-0.0005	-0.0004	-0.0001	0.0001
	0.35	VIVA	1.55E-01	-3.54E-03	6.25E-04		COMB7	0.3891	0.4194	-0.0101	-0.0111	-0.0018	0.0020
	0.00	VIENTO	2.25E-01	-5.11E-03	-8.91E-04		COMB8	-0.1947	-0.1963	0.0032	0.0033	0.0006	-0.0006
	0.35	VIENTO	2.25E-01	-5.11E-03	9.02E-04		COMB9	0.2152	0.2131	-0.0062	-0.0061	-0.0011	0.0011
	0.00	ESPECTRO	7.91E-03	1.70E-04	2.89E-05		COMB10	0.1051	0.1035	-0.0033	-0.0032	-0.0006	0.0006
	0.35	ESPECTRO	7.91E-03	1.70E-04	3.10E-05								
	0.00	DEAD	7.68E-02	-8.97E-04	-1.73E-04								
	0.35	DEAD	7.51E-02	-8.51E-04	1.33E-04		COMB1	0.2009	0.1985	-0.0034	-0.0033	-0.0006	0.0006
	0.00	COBERT	5.18E-02	-3.49E-04	-4.86E-05		COMB2	0.5037	0.5017	-0.0051	-0.0051	-0.0008	0.0010
	0.35	COBERT	5.18E-02	-3.49E-04	7.36E-05		COMB3	0.6649	0.6629	-0.0062	-0.0061	-0.0010	0.0012
	0.00	CORREAS	1.49E-02	-1.16E-03	-2.05E-04		COMB4	-0.1134	-0.1154	-0.0010	-0.0009	-0.0002	0.0001
738	0.35	CORREAS	1.49E-02	-1.16E-03	2.00E-04	738	COMB5	0.4117	0.4096	-0.0045	-0.0044	-0.0007	0.0008
	0.00	VIVA	2.07E-01	-1.40E-03	-1.94E-04		COMB6	-0.0673	-0.0693	-0.0013	-0.0012	-0.0003	0.0001
	0.35	VIVA	2.07E-01	-1.40E-03	2.94E-04		COMB7	0.5183	0.5593	-0.0048	-0.0054	-0.0007	0.0010
	0.00	VIENTO	2.99E-01	-2.02E-03	-2.81E-04		COMB8	-0.2600	-0.2615	0.0005	0.0005	0.0000	-0.0002
	0.35	VIENTO	2.99E-01	-2.02E-03	4.25E-04		COMB9	0.2850	0.2830	-0.0035	-0.0035	-0.0006	0.0006
	0.00	ESPECTRO	9.26E-03	5.15E-05	9.54E-06		COMB10	0.1384	0.1369	-0.0021	-0.0021	-0.0004	0.0004
	0.35	ESPECTRO	9.26E-03	5.15E-05	8.76E-06								
	0.00	DEAD	3.36E-02	-3.08E-03	-5.53E-04								
	0.35	DEAD	3.19E-02	-2.89E-03	4.99E-04		COMB1	0.0720	0.0696	-0.0078	-0.0076	-0.0014	0.0013
	0.00	COBERT	1.52E-02	-1.29E-03	-2.31E-04		COMB2	0.1587	0.1567	-0.0150	-0.0147	-0.0027	0.0026
	0.35	COBERT	1.52E-02	-1.29E-03	2.23E-04		COMB3	0.2059	0.2038	-0.0190	-0.0188	-0.0034	0.0033
	0.00	CORREAS	2.70E-03	-1.23E-03	-2.07E-04		COMB4	-0.0219	-0.0239	0.0004	0.0006	0.0001	-0.0001
739	0.35	CORREAS	2.70E-03	-1.23E-03	2.26E-04	739	COMB5	0.1318	0.1297	-0.0127	-0.0125	-0.0023	0.0022
	0.00	VIVA	6.06E-02	-5.16E-03	-9.26E-04		COMB6	-0.0084	-0.0104	-0.0008	-0.0005	-0.0001	0.0001
	0.35	VIVA	6.06E-02	-5.16E-03	8.94E-04		COMB7	0.1601	0.1735	-0.0147	-0.0162	-0.0026	0.0028
	0.00	VIENTO	8.76E-02	-7.45E-03	-1.34E-03		COMB8	-0.0676	-0.0691	0.0047	0.0048	0.0008	-0.0008
	0.35	VIENTO	8.76E-02	-7.45E-03	1.29E-03		COMB9	0.0963	0.0942	-0.0090	-0.0088	-0.0016	0.0016
	0.00	ESPECTRO	4.26E-03	3.17E-04	5.71E-05		COMB10	0.0505	0.0490	-0.0047	-0.0046	-0.0008	0.0009
	0.35	ESPECTRO	4.26E-03	3.17E-04	5.49E-05								
	0.00	DEAD	4.98E-02	-2.39E-03	-4.38E-04								

RESULTADO DE ANALISIS ESTRUCTURAL - TECHO ARNAMENTAL (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames													
ELE.	Stat.	OutputCase	P	V2	M3	ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
Text	m	Text	Ton	Ton	Ton-m								
740	0.35	DEAD	4.81E-02	-2.25E-03	3.77E-04	740	COMB1	0.1274	0.1251	-0.0066	-0.0064	-0.0012	0.0011
	0.00	COBERT	2.60E-02	-1.15E-03	-2.08E-04		COMB2	0.2757	0.2736	-0.0131	-0.0129	-0.0024	0.0022
	0.35	COBERT	2.60E-02	-1.15E-03	1.98E-04		COMB3	0.3566	0.3545	-0.0167	-0.0165	-0.0030	0.0028
	0.00	CORREAS	1.52E-02	-1.20E-03	-2.11E-04		COMB4	-0.0341	-0.0361	0.0007	0.0008	0.0001	-0.0001
	0.35	CORREAS	1.52E-02	-1.20E-03	2.11E-04		COMB5	0.2295	0.2274	-0.0110	-0.0109	-0.0020	0.0019
	0.00	VIVA	1.04E-01	-4.62E-03	-8.31E-04		COMB6	-0.0110	-0.0130	-0.0004	-0.0002	-0.0001	0.0000
	0.35	VIVA	1.04E-01	-4.62E-03	7.92E-04		COMB7	0.2773	0.3025	-0.0129	-0.0142	-0.0023	0.0024
	0.00	VIENTO	1.50E-01	-6.67E-03	-1.20E-03		COMB8	-0.1134	-0.1149	0.0044	0.0045	0.0008	-0.0008
	0.35	VIENTO	1.50E-01	-6.67E-03	1.14E-03		COMB9	0.1674	0.1653	-0.0078	-0.0076	-0.0014	0.0014
	0.00	ESPECTRO	6.13E-03	2.30E-04	4.12E-05		COMB10	0.0881	0.0865	-0.0040	-0.0039	-0.0007	0.0007
	0.35	ESPECTRO	6.13E-03	2.30E-04	3.96E-05								
758	0.00	DEAD	7.63E-02	7.66E-03	1.33E-03	758							
	0.35	DEAD	7.80E-02	7.66E-03	-1.35E-03		COMB1	0.1383	0.1407	0.0217	0.0217	0.0038	-0.0038
	0.00	COBERT	1.47E-02	3.39E-03	5.83E-04		COMB2	0.2124	0.2144	0.0403	0.0403	0.0070	-0.0071
	0.35	COBERT	1.47E-02	3.39E-03	-6.04E-04		COMB3	0.2580	0.2601	0.0508	0.0508	0.0088	-0.0090
	0.00	CORREAS	7.82E-03	4.42E-03	7.89E-04		COMB4	0.0378	0.0398	-0.0001	-0.0001	0.0000	0.0001
	0.35	CORREAS	7.82E-03	4.42E-03	-7.60E-04		COMB5	0.1864	0.1884	0.0343	0.0343	0.0059	-0.0060
	0.00	VIVA	5.86E-02	1.36E-02	2.33E-03		COMB6	0.0508	0.0528	0.0029	0.0029	0.0006	-0.0005
	0.35	VIVA	5.86E-02	1.36E-02	-2.42E-03		COMB7	0.1991	0.2308	0.0394	0.0441	0.0068	-0.0078
	0.00	VIENTO	8.47E-02	1.96E-02	3.37E-03		COMB8	-0.0212	-0.0197	-0.0116	-0.0116	-0.0019	0.0021
	0.35	VIENTO	8.47E-02	1.96E-02	-3.49E-03		COMB9	0.1568	0.1589	0.0264	0.0264	0.0046	-0.0043
	0.00	ESPECTRO	8.92E-03	1.09E-03	1.92E-04		COMB10	0.0979	0.0994	0.0150	0.0150	0.0026	-0.0022
	0.35	ESPECTRO	8.92E-03	1.09E-03	1.90E-04								
759	0.00	DEAD	6.56E-02	6.72E-03	1.21E-03	759							
	0.35	DEAD	6.73E-02	6.72E-03	-1.15E-03		COMB1	0.1202	0.1226	0.0183	0.0183	0.0033	-0.0031
	0.00	COBERT	1.30E-02	2.44E-03	4.29E-04		COMB2	0.1860	0.1880	0.0313	0.0313	0.0056	-0.0054
	0.35	COBERT	1.30E-02	2.44E-03	-4.24E-04		COMB3	0.2263	0.2283	0.0389	0.0389	0.0069	-0.0067
	0.00	CORREAS	7.35E-03	3.92E-03	7.13E-04		COMB4	0.0316	0.0337	0.0023	0.0023	0.0005	-0.0003
	0.35	CORREAS	7.35E-03	3.92E-03	-6.59E-04		COMB5	0.1629	0.1650	0.0270	0.0270	0.0048	-0.0046
	0.00	VIVA	5.18E-02	9.74E-03	1.72E-03		COMB6	0.0431	0.0452	0.0044	0.0044	0.0008	-0.0007
	0.35	VIVA	5.18E-02	9.74E-03	-1.69E-03		COMB7	0.1746	0.2024	0.0301	0.0340	0.0053	-0.0059
	0.00	VIENTO	7.49E-02	1.41E-02	2.48E-03		COMB8	-0.0201	-0.0185	-0.0065	-0.0065	-0.0011	0.0012
	0.35	VIENTO	7.49E-02	1.41E-02	-2.45E-03		COMB9	0.1366	0.1386	0.0215	0.0215	0.0039	-0.0034
	0.00	ESPECTRO	7.65E-03	9.74E-04	1.76E-04		COMB10	0.0849	0.0865	0.0127	0.0127	0.0023	-0.0018
	0.35	ESPECTRO	7.65E-03	9.74E-04	1.65E-04								
760	0.00	DEAD	5.59E-02	6.52E-03	1.18E-03	760							
	0.35	DEAD	5.76E-02	6.52E-03	-1.11E-03		COMB1	0.1057	0.1081	0.0176	0.0176	0.0032	-0.0030
	0.00	COBERT	1.20E-02	2.23E-03	3.88E-04		COMB2	0.1677	0.1697	0.0294	0.0294	0.0052	-0.0051
	0.35	COBERT	1.20E-02	2.23E-03	-3.92E-04		COMB3	0.2052	0.2072	0.0363	0.0363	0.0064	-0.0063
	0.00	CORREAS	7.58E-03	3.84E-03	6.98E-04		COMB4	0.0242	0.0262	0.0028	0.0028	0.0006	-0.0004
	0.35	CORREAS	7.58E-03	3.84E-03	-6.46E-04		COMB5	0.1463	0.1483	0.0254	0.0254	0.0045	-0.0044
	0.00	VIVA	4.82E-02	8.91E-03	1.55E-03		COMB6	0.0349	0.0369	0.0048	0.0048	0.0009	-0.0008
	0.35	VIVA	4.82E-02	8.91E-03	-1.57E-03		COMB7	0.1584	0.1831	0.0281	0.0318	0.0049	-0.0055
	0.00	VIENTO	6.96E-02	1.29E-02	2.24E-03		COMB8	-0.0226	-0.0210	-0.0054	-0.0054	-0.0009	0.0010
	0.35	VIENTO	6.96E-02	1.29E-02	-2.26E-03		COMB9	0.1212	0.1232	0.0205	0.0205	0.0037	-0.0032
	0.00	ESPECTRO	6.51E-03	9.55E-04	1.73E-04		COMB10	0.0744	0.0760	0.0123	0.0123	0.0022	-0.0018
	0.35	ESPECTRO	6.51E-03	9.55E-04	1.61E-04								
761	0.00	DEAD	4.66E-02	6.36E-03	1.16E-03	761							
	0.35	DEAD	4.83E-02	6.36E-03	-1.07E-03		COMB1	0.0921	0.0945	0.0171	0.0171	0.0031	-0.0029
	0.00	COBERT	1.13E-02	2.10E-03	3.62E-04		COMB2	0.1510	0.1531	0.0281	0.0281	0.0050	-0.0049
	0.35	COBERT	1.13E-02	2.10E-03	-3.71E-04		COMB3	0.1860	0.1881	0.0346	0.0346	0.0061	-0.0060
	0.00	CORREAS	8.00E-03	3.75E-03	6.85E-04		COMB4	0.0169	0.0190	0.0031	0.0031	0.0007	-0.0004
	0.35	CORREAS	8.00E-03	3.75E-03	-6.28E-04		COMB5	0.1310	0.1331	0.0243	0.0243	0.0043	-0.0042
	0.00	VIVA	4.50E-02	8.38E-03	1.45E-03		COMB6	0.0269	0.0290	0.0050	0.0050	0.0010	-0.0008
	0.35	VIVA	4.50E-02	8.38E-03	-1.48E-03		COMB7	0.1438	0.1656	0.0267	0.0304	0.0047	-0.0053
	0.00	VIENTO	6.50E-02	1.21E-02	2.09E-03		COMB8	-0.0253	-0.0238	-0.0048	-0.0048	-0.0007	0.0009
	0.35	VIENTO	6.50E-02	1.21E-02	-2.15E-03		COMB9	0.1069	0.1090	0.0198	0.0198	0.0035	-0.0031
	0.00	ESPECTRO	5.42E-03	9.39E-04	1.72E-04		COMB10	0.0647	0.0662	0.0119	0.0119	0.0022	-0.0017
	0.35	ESPECTRO	5.42E-03	9.39E-04	1.57E-04								
762	0.00	DEAD	3.74E-02	6.01E-03	1.09E-03	762							
	0.35	DEAD	3.91E-02	6.01E-03	-1.01E-03		COMB1	0.0794	0.0818	0.0163	0.0163	0.0029	-0.0028
	0.00	COBERT	1.09E-02	2.09E-03	3.56E-04		COMB2	0.1379	0.1400	0.0273	0.0273	0.0048	-0.0048
	0.35	COBERT	1.09E-02	2.09E-03	-3.73E-04		COMB3	0.1719	0.1739	0.0338	0.0338	0.0059	-0.0059
	0.00	CORREAS	8.42E-03	3.53E-03	6.44E-04		COMB4	0.0079	0.0099	0.0025	0.0025	0.0005	-0.0003
	0.35	CORREAS	8.42E-03	3.53E-03	-5.93E-04		COMB5	0.1185	0.1206	0.0236	0.0236	0.0042	-0.0041
	0.00	VIVA	4.37E-02	8.34E-03	1.43E-03		COMB6	0.0176	0.0196	0.0043	0.0043	0.0009	-0.0006
	0.35	VIVA	4.37E-02	8.34E-03	-1.49E-03		COMB7	0.1330	0.1521	0.0261	0.0296	0.0046	-0.0052
	0.00	VIENTO	6.31E-02	1.21E-02	2.06E-03		COMB8	-0.0310	-0.0295	-0.0052	-0.0052	-0.0008	0.0010
	0.35	VIENTO	6.31E-02	1.21E-02	-2.16E-03		COMB9	0.0942	0.0963	0.0190	0.0190	0.0034	-0.0030
	0.00	ESPECTRO	4.36E-03	8.97E-04	1.64E-04		COMB10	0.0554	0.0569	0.0114	0.0114	0.0020	-0.0016
	0.35	ESPECTRO	4.36E-03	8.97E-04	1.50E-04								
	0.00	DEAD	3.16E-02	7.63E-03	1.40E-03								
	0.35	DEAD	3.33E-02	7.63E-03	-1.27E-03		COMB1	0.0738	0.0762	0.0194	0.0194	0.0036	-0.0032
	0.00	COBERT	1.07E-02	1.96E-03	3.82E-04		COMB2	0.1317	0.1337	0.0292	0.0292	0.0055	-0.0047
	0.35	COBERT	1.07E-02	1.96E-03	-3.04E-04		COMB3	0.1650	0.1670	0.0353	0.0353	0.0067	-0.0056
	0.00	CORREAS	1.05E-02	4.29E-03	7.89E-04		COMB4	0.0044	0.0064	0.0059	0.0059	0.0010	-0.0011

RESULTADO DE ANALISIS ESTRUCTURAL - TECHO ARNAMENTAL (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames

ELE.	Stat.	OutputCase	P	V2	M3
Text	m	Text	Ton	Ton	Ton-m
763	0.35	CORREAS	1.05E-02	4.29E-03	-7.14E-04
	0.00	VIVA	4.27E-02	7.84E-03	1.53E-03
	0.35	VIVA	4.27E-02	7.84E-03	-1.22E-03
	0.00	VIENTO	6.18E-02	1.13E-02	2.20E-03
	0.35	VIENTO	6.18E-02	1.13E-02	-1.76E-03
	0.00	ESPECTRO	3.88E-03	1.13E-03	2.08E-04
	0.35	ESPECTRO	3.88E-03	1.13E-03	1.87E-04
764	0.00	DEAD	9.51E-03	-4.47E-04	-7.27E-05
	0.35	DEAD	1.12E-02	-4.47E-04	8.38E-05
	0.00	COBERT	2.38E-03	-1.81E-04	-3.00E-05
	0.35	COBERT	2.38E-03	-1.81E-04	3.33E-05
	0.00	CORREAS	4.25E-03	-1.91E-04	-3.11E-05
	0.35	CORREAS	4.25E-03	-1.91E-04	3.59E-05
	0.00	VIVA	9.51E-03	-7.23E-04	-1.20E-04
	0.35	VIVA	9.51E-03	-7.23E-04	1.33E-04
	0.00	VIENTO	1.37E-02	-1.04E-03	-1.73E-04
	0.35	VIENTO	1.37E-02	-1.04E-03	1.92E-04
	0.00	ESPECTRO	1.40E-03	5.97E-05	9.07E-06
	0.35	ESPECTRO	1.40E-03	5.97E-05	1.18E-05
765	0.00	DEAD	-3.25E-03	-8.41E-03	-1.53E-03
	0.35	DEAD	-1.55E-03	-8.41E-03	1.41E-03
	0.00	COBERT	-5.02E-03	-2.26E-03	-4.29E-04
	0.35	COBERT	-5.02E-03	-2.26E-03	3.63E-04
	0.00	CORREAS	-4.62E-03	-4.62E-03	-8.42E-04
	0.35	CORREAS	-4.62E-03	-4.62E-03	7.76E-04
	0.00	VIVA	-2.01E-02	-9.05E-03	-1.72E-03
	0.35	VIVA	-2.01E-02	-9.05E-03	1.45E-03
	0.00	VIENTO	-2.90E-02	-1.31E-02	-2.48E-03
	0.35	VIENTO	-2.90E-02	-1.31E-02	2.10E-03
	0.00	ESPECTRO	1.52E-03	1.16E-03	2.14E-04
	0.35	ESPECTRO	1.52E-03	1.16E-03	1.94E-04
13	0.00	DEAD	3.09E-03	-6.53E-03	-1.20E-03
	0.35	DEAD	4.79E-03	-6.53E-03	1.09E-03
	0.00	COBERT	-4.47E-03	-2.32E-03	-4.02E-04
	0.35	COBERT	-4.47E-03	-2.32E-03	4.11E-04
	0.00	CORREAS	-6.37E-03	-3.76E-03	-6.87E-04
	0.35	CORREAS	-6.37E-03	-3.76E-03	6.29E-04
	0.00	VIVA	-1.79E-02	-9.28E-03	-1.61E-03
	0.35	VIVA	-1.79E-02	-9.28E-03	1.64E-03
	0.00	VIENTO	-2.58E-02	-1.34E-02	-2.32E-03
	0.35	VIENTO	-2.58E-02	-1.34E-02	2.37E-03
	0.00	ESPECTRO	1.91E-03	9.40E-04	1.73E-04
	0.35	ESPECTRO	1.91E-03	9.40E-04	1.56E-04
50	0.00	DEAD	1.17E-02	-6.59E-03	-1.21E-03
	0.35	DEAD	1.34E-02	-6.59E-03	1.09E-03
	0.00	COBERT	-4.41E-03	-2.19E-03	-3.84E-04
	0.35	COBERT	-4.41E-03	-2.19E-03	3.82E-04
	0.00	CORREAS	-7.05E-03	-3.85E-03	-7.08E-04
	0.35	CORREAS	-7.05E-03	-3.85E-03	6.39E-04
	0.00	VIVA	-1.77E-02	-8.75E-03	-1.54E-03
	0.35	VIVA	-1.77E-02	-8.75E-03	1.53E-03
	0.00	VIENTO	-2.55E-02	-1.26E-02	-2.22E-03
	0.35	VIENTO	-2.55E-02	-1.26E-02	2.21E-03
	0.00	ESPECTRO	2.71E-03	9.47E-04	1.75E-04
	0.35	ESPECTRO	2.71E-03	9.47E-04	1.57E-04
768	0.00	DEAD	2.04E-02	-6.46E-03	-1.18E-03
	0.35	DEAD	2.21E-02	-6.46E-03	1.08E-03
	0.00	COBERT	-3.93E-03	-2.17E-03	-3.86E-04
	0.35	COBERT	-3.93E-03	-2.17E-03	3.74E-04
	0.00	CORREAS	-7.74E-03	-3.80E-03	-6.99E-04
	0.35	CORREAS	-7.74E-03	-3.80E-03	6.32E-04
	0.00	VIVA	-1.57E-02	-8.69E-03	-1.54E-03
	0.35	VIVA	-1.57E-02	-8.69E-03	1.50E-03
	0.00	VIENTO	-2.27E-02	-1.25E-02	-2.23E-03
	0.35	VIENTO	-2.27E-02	-1.25E-02	2.16E-03
	0.00	ESPECTRO	3.64E-03	9.32E-04	1.71E-04
	0.35	ESPECTRO	3.64E-03	9.32E-04	1.55E-04
769	0.00	DEAD	2.96E-02	-6.39E-03	-1.17E-03
	0.35	DEAD	3.13E-02	-6.39E-03	1.07E-03
	0.00	COBERT	-3.31E-03	-2.22E-03	-4.01E-04
	0.35	COBERT	-3.31E-03	-2.22E-03	3.77E-04
	0.00	CORREAS	-8.21E-03	-3.76E-03	-6.95E-04
	0.35	CORREAS	-8.21E-03	-3.76E-03	6.22E-04
	0.00	VIVA	-1.32E-02	-8.89E-03	-1.60E-03
	0.35	VIVA	-1.32E-02	-8.89E-03	1.51E-03
	0.00	VIENTO	-1.91E-02	-1.28E-02	-2.32E-03

ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
763	COMB5	0.1127	0.1147	0.0257	0.0257	0.0048	-0.0042
	COMB6	0.0139	0.0159	0.0076	0.0076	0.0013	-0.0013
	COMB7	0.1278	0.1456	0.0272	0.0314	0.0052	-0.0050
	COMB8	-0.0328	-0.0313	-0.0022	-0.0022	-0.0006	0.0002
	COMB9	0.0886	0.0906	0.0217	0.0217	0.0041	-0.0032
	COMB10	0.0514	0.0529	0.0136	0.0136	0.0025	-0.0019
764	COMB1	0.0226	0.0250	-0.0011	-0.0011	-0.0002	0.0002
	COMB2	0.0346	0.0366	-0.0021	-0.0021	-0.0004	0.0004
	COMB3	0.0420	0.0440	-0.0027	-0.0027	-0.0004	0.0005
	COMB4	0.0063	0.0083	0.0000	0.0000	0.0000	0.0000
	COMB5	0.0304	0.0324	-0.0018	-0.0018	-0.0003	0.0003
	COMB6	0.0084	0.0104	-0.0001	-0.0001	0.0000	0.0000
	COMB7	0.0324	0.0393	-0.0021	-0.0023	-0.0003	0.0004
	COMB8	-0.0033	-0.0018	0.0006	0.0006	0.0001	-0.0001
	COMB9	0.0255	0.0276	-0.0013	-0.0013	-0.0002	0.0003
	COMB10	0.0159	0.0175	-0.0007	-0.0007	-0.0001	0.0001
765	COMB1	-0.0181	-0.0157	-0.0214	-0.0214	-0.0039	0.0036
	COMB2	-0.0476	-0.0456	-0.0328	-0.0328	-0.0061	0.0054
	COMB3	-0.0633	-0.0612	-0.0399	-0.0399	-0.0074	0.0065
	COMB4	0.0122	0.0143	-0.0059	-0.0059	-0.0010	0.0011
	COMB5	-0.0387	-0.0367	-0.0288	-0.0288	-0.0053	0.0047
	COMB6	0.0077	0.0098	-0.0079	-0.0079	-0.0014	0.0014
	COMB7	-0.0494	-0.0512	-0.0308	-0.0353	-0.0057	0.0058
	COMB8	0.0261	0.0277	0.0032	0.0032	0.0007	-0.0004
	COMB9	-0.0240	-0.0220	-0.0217	-0.0217	-0.0040	0.0040
	COMB10	-0.0101	-0.0086	-0.0126	-0.0126	-0.0023	0.0025
13	COMB1	-0.0108	-0.0085	-0.0177	-0.0177	-0.0032	0.0030
	COMB2	-0.0379	-0.0358	-0.0300	-0.0300	-0.0053	0.0052
	COMB3	-0.0518	-0.0497	-0.0372	-0.0372	-0.0066	0.0065
	COMB4	0.0153	0.0174	-0.0023	-0.0023	-0.0005	0.0003
	COMB5	-0.0299	-0.0279	-0.0259	-0.0259	-0.0046	0.0045
	COMB6	0.0114	0.0134	-0.0044	-0.0044	-0.0009	0.0007
	COMB7	-0.0405	-0.0408	-0.0288	-0.0326	-0.0051	0.0056
	COMB8	0.0266	0.0281	0.0061	0.0061	0.0010	-0.0012
	COMB9	-0.0163	-0.0143	-0.0188	-0.0188	-0.0034	0.0035
	COMB10	-0.0051	-0.0035	-0.0104	-0.0104	-0.0019	0.0021
50	COMB1	0.0003	0.0027	-0.0177	-0.0177	-0.0032	0.0030
	COMB2	-0.0280	-0.0259	-0.0292	-0.0292	-0.0052	0.0050
	COMB3	-0.0417	-0.0397	-0.0360	-0.0360	-0.0064	0.0062
	COMB4	0.0246	0.0267	-0.0031	-0.0031	-0.0006	0.0004
	COMB5	-0.0201	-0.0181	-0.0253	-0.0253	-0.0045	0.0043
	COMB6	0.0207	0.0227	-0.0050	-0.0050	-0.0010	0.0008
	COMB7	-0.0330	-0.0308	-0.0278	-0.0316	-0.0050	0.0054
	COMB8	0.0334	0.0349	0.0051	0.0051	0.0008	-0.0010
	COMB9	-0.0058	-0.0038	-0.0186	-0.0186	-0.0034	0.0035
	COMB10	0.0029	0.0044	-0.0104	-0.0104	-0.0019	0.0021
768	COMB1	0.0122	0.0146	-0.0174	-0.0174	-0.0032	0.0029
	COMB2	-0.0147	-0.0126	-0.0288	-0.0288	-0.0052	0.0049
	COMB3	-0.0269	-0.0249	-0.0356	-0.0356	-0.0064	0.0061
	COMB4	0.0321	0.0341	-0.0029	-0.0029	-0.0006	0.0004
	COMB5	-0.0077	-0.0057	-0.0250	-0.0250	-0.0045	0.0042
	COMB6	0.0286	0.0306	-0.0049	-0.0049	-0.0009	0.0008
	COMB7	-0.0217	-0.0170	-0.0275	-0.0312	-0.0049	0.0053
	COMB8	0.0373	0.0389	0.0051	0.0051	0.0009	-0.0009
	COMB9	0.0062	0.0083	-0.0183	-0.0183	-0.0033	0.0034
	COMB10	0.0115	0.0130	-0.0103	-0.0103	-0.0019	0.0020
769	COMB1	0.0253	0.0276	-0.0173	-0.0173	-0.0032	0.0029
	COMB2	0.0005	0.0025	-0.0291	-0.0291	-0.0053	0.0049
	COMB3	-0.0098	-0.0078	-0.0360	-0.0360	-0.0065	0.0061
	COMB4	0.0399	0.0419	-0.0026	-0.0026	-0.0005	0.0004
	COMB5	0.0063	0.0084	-0.0251	-0.0251	-0.0046	0.0042
	COMB6	0.0370	0.0390	-0.0046	-0.0046	-0.0009	0.0007
	COMB7	-0.0086	-0.0012	-0.0278	-0.0315	-0.0050	0.0053
	COMB8	0.0411	0.0426	0.0056	0.0056	0.0010	-0.0010

RESULTADO DE ANALISIS ESTRUCTURAL - TECHO ARNAMENTAL (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames													
ELE.	Stat.	OutputCase	P	V2	M3	ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
Text	m	Text	Ton	Ton	Ton-m								
	0.35	VIENTO	-1.91E-02	-1.28E-02	2.18E-03		COMB9	0.0197	0.0217	-0.0184	-0.0184	-0.0033	0.0034
	0.00	ESPECTRO	4.67E-03	9.24E-04	1.70E-04		COMB10	0.0209	0.0224	-0.0102	-0.0102	-0.0019	0.0020
	0.35	ESPECTRO	4.67E-03	9.24E-04	1.53E-04								
	0.00	DEAD	3.97E-02	-6.88E-03	-1.23E-03								
	0.35	DEAD	4.14E-02	-6.88E-03	1.17E-03		COMB1	0.0415	0.0438	-0.0193	-0.0193	-0.0035	0.0033
	0.00	COBERT	-2.04E-03	-2.84E-03	-5.03E-04		COMB2	0.0225	0.0245	-0.0347	-0.0347	-0.0062	0.0060
	0.35	COBERT	-2.04E-03	-2.84E-03	4.92E-04		COMB3	0.0161	0.0182	-0.0436	-0.0436	-0.0078	0.0075
	0.00	CORREAS	-8.06E-03	-4.04E-03	-7.37E-04		COMB4	0.0468	0.0488	-0.0008	-0.0008	-0.0002	0.0001
770	0.35	CORREAS	-8.06E-03	-4.04E-03	6.78E-04	770	COMB5	0.0261	0.0282	-0.0297	-0.0297	-0.0053	0.0051
	0.00	VIVA	-8.16E-03	-1.14E-02	-2.01E-03		COMB6	0.0450	0.0470	-0.0034	-0.0034	-0.0006	0.0005
	0.35	VIVA	-8.16E-03	-1.14E-02	1.97E-03		COMB7	0.0113	0.0223	-0.0337	-0.0379	-0.0060	0.0065
	0.00	VIENTO	-1.18E-02	-1.64E-02	-2.91E-03		COMB8	0.0420	0.0435	0.0090	0.0090	0.0016	-0.0016
	0.35	VIENTO	-1.18E-02	-1.64E-02	2.84E-03		COMB9	0.0373	0.0394	-0.0212	-0.0212	-0.0038	0.0040
	0.00	ESPECTRO	5.88E-03	9.87E-04	1.78E-04		COMB10	0.0325	0.0341	-0.0114	-0.0114	-0.0020	0.0023
	0.35	ESPECTRO	5.88E-03	9.87E-04	1.67E-04								
	0.00	DEAD	2.93E-02	-4.60E-03	-8.52E-04								
	0.35	DEAD	3.10E-02	-4.60E-03	7.57E-04		COMB1	0.0248	0.0271	-0.0129	-0.0129	-0.0025	0.0020
	0.00	COBERT	-3.74E-03	-1.93E-03	-3.89E-04		COMB2	-0.0027	-0.0007	-0.0234	-0.0234	-0.0046	0.0036
	0.35	COBERT	-3.74E-03	-1.93E-03	2.86E-04		COMB3	-0.0144	-0.0123	-0.0294	-0.0294	-0.0058	0.0045
	0.00	CORREAS	-7.87E-03	-2.66E-03	-5.22E-04		COMB4	0.0418	0.0439	-0.0004	-0.0004	0.0000	0.0002
722	0.35	CORREAS	-7.87E-03	-2.66E-03	4.10E-04	722	COMB5	0.0039	0.0060	-0.0199	-0.0199	-0.0039	0.0031
	0.00	VIVA	-1.50E-02	-7.72E-03	-1.56E-03		COMB6	0.0385	0.0406	-0.0021	-0.0021	-0.0003	0.0004
	0.35	VIVA	-1.50E-02	-7.72E-03	1.15E-03		COMB7	-0.0122	-0.0048	-0.0228	-0.0255	-0.0045	0.0039
	0.00	VIENTO	-2.16E-02	-1.11E-02	-2.25E-03		COMB8	0.0440	0.0456	0.0062	0.0062	0.0013	-0.0008
	0.35	VIENTO	-2.16E-02	-1.11E-02	1.66E-03		COMB9	0.0177	0.0197	-0.0141	-0.0141	-0.0028	0.0024
	0.00	ESPECTRO	3.94E-03	7.54E-04	1.32E-04		COMB10	0.0199	0.0214	-0.0075	-0.0075	-0.0015	0.0014
	0.35	ESPECTRO	3.94E-03	7.54E-04	1.32E-04								
	0.00	DEAD	8.83E-02	1.03E-03	3.79E-04								
	0.38	DEAD	8.49E-02	2.38E-03	-2.74E-04		COMB1	0.1661	0.1614	0.0132	0.0151	0.0032	-0.0023
	0.00	COBERT	1.95E-02	1.86E-03	4.23E-04		COMB2	0.2670	0.2629	0.0232	0.0249	0.0054	-0.0038
	0.38	COBERT	1.95E-02	1.86E-03	-2.88E-04		COMB3	0.3276	0.3235	0.0290	0.0306	0.0067	-0.0047
	0.00	CORREAS	1.09E-02	6.57E-03	1.46E-03		COMB4	0.0351	0.0311	0.0011	0.0027	0.0004	-0.0004
743	0.38	CORREAS	1.09E-02	6.57E-03	-1.05E-03	743	COMB5	0.2324	0.2283	0.0199	0.0216	0.0047	-0.0033
	0.00	VIVA	7.79E-02	7.43E-03	1.69E-03		COMB6	0.0524	0.0484	0.0028	0.0044	0.0008	-0.0006
	0.38	VIVA	7.79E-02	7.43E-03	-1.15E-03		COMB7	0.2530	0.2846	0.0225	0.0269	0.0052	-0.0041
	0.00	VIENTO	1.12E-01	1.07E-02	2.44E-03		COMB8	-0.0394	-0.0425	-0.0054	-0.0042	-0.0011	0.0007
	0.38	VIENTO	1.12E-01	1.07E-02	-1.66E-03		COMB9	0.2051	0.2010	0.0154	0.0170	0.0037	-0.0025
	0.00	ESPECTRO	2.37E-02	3.22E-04	1.34E-04		COMB10	0.1305	0.1275	0.0088	0.0101	0.0022	-0.0014
	0.38	ESPECTRO	2.37E-02	3.22E-04	4.86E-05								
	0.00	DEAD	1.21E-02	-4.84E-03	-1.05E-03								
	0.38	DEAD	8.76E-03	-3.60E-03	5.42E-04		COMB1	0.0923	0.0876	-0.0105	-0.0087	-0.0025	0.0011
	0.00	COBERT	1.37E-02	-1.26E-03	-3.31E-04		COMB2	0.1668	0.1627	-0.0170	-0.0155	-0.0043	0.0019
	0.38	COBERT	1.37E-02	-1.26E-03	1.44E-04		COMB3	0.2094	0.2054	-0.0209	-0.0194	-0.0053	0.0023
	0.00	CORREAS	4.01E-02	-1.39E-03	-4.21E-04		COMB4	0.0036	-0.0004	-0.0021	-0.0006	-0.0003	0.0002
744	0.38	CORREAS	4.01E-02	-1.39E-03	1.06E-04	744	COMB5	0.1424	0.1384	-0.0148	-0.0133	-0.0037	0.0016
	0.00	VIVA	5.48E-02	-5.03E-03	-1.32E-03		COMB6	0.0158	0.0117	-0.0032	-0.0017	-0.0006	0.0003
	0.38	VIVA	5.48E-02	-5.03E-03	5.77E-04		COMB7	0.1622	0.1780	-0.0162	-0.0169	-0.0041	0.0020
	0.00	VIENTO	7.91E-02	-7.26E-03	-1.91E-03		COMB8	-0.0436	-0.0466	0.0027	0.0038	0.0009	-0.0004
	0.38	VIENTO	7.91E-02	-7.26E-03	8.34E-04		COMB9	0.1140	0.1100	-0.0109	-0.0094	-0.0027	0.0014
	0.00	ESPECTRO	7.51E-03	5.82E-04	1.13E-04		COMB10	0.0669	0.0638	-0.0062	-0.0050	-0.0015	0.0008
	0.38	ESPECTRO	7.51E-03	5.82E-04	1.16E-04								
	0.00	DEAD	1.50E-02	-3.38E-03	-6.67E-04								
	0.36	DEAD	1.16E-02	-2.83E-03	4.38E-04		COMB1	0.0257	0.0210	-0.0082	-0.0074	-0.0016	0.0011
	0.00	COBERT	4.82E-03	-1.29E-03	-2.63E-04		COMB2	0.0529	0.0489	-0.0153	-0.0146	-0.0031	0.0022
	0.36	COBERT	4.82E-03	-1.29E-03	1.95E-04		COMB3	0.0679	0.0639	-0.0193	-0.0186	-0.0039	0.0028
	0.00	CORREAS	-1.46E-03	-1.19E-03	-2.48E-04		COMB4	-0.0046	-0.0086	0.0001	0.0007	0.0000	-0.0001
745	0.36	CORREAS	-1.46E-03	-1.19E-03	1.76E-04	745	COMB5	0.0443	0.0403	-0.0130	-0.0123	-0.0026	0.0019
	0.00	VIVA	1.93E-02	-5.15E-03	-1.05E-03		COMB6	-0.0003	-0.0043	-0.0011	-0.0004	-0.0002	0.0001
	0.36	VIVA	1.93E-02	-5.15E-03	7.79E-04		COMB7	0.0527	0.0542	-0.0149	-0.0160	-0.0030	0.0024
	0.00	VIENTO	2.79E-02	-7.43E-03	-1.52E-03		COMB8	-0.0197	-0.0227	0.0044	0.0049	0.0009	-0.0007
	0.36	VIENTO	2.79E-02	-7.43E-03	1.12E-03		COMB9	0.0352	0.0312	-0.0089	-0.0083	-0.0018	0.0015
	0.00	ESPECTRO	3.56E-03	6.51E-04	1.23E-04		COMB10	0.0201	0.0171	-0.0046	-0.0041	-0.0009	0.0008
	0.36	ESPECTRO	3.56E-03	6.51E-04	1.09E-04								
	0.00	DEAD	1.67E-02	-1.92E-03	-3.66E-04								
	0.35	DEAD	1.50E-02	-1.69E-03	2.74E-04		COMB1	0.0436	0.0412	-0.0049	-0.0046	-0.0009	0.0007
	0.00	COBERT	7.91E-03	-7.65E-04	-1.47E-04		COMB2	0.0880	0.0859	-0.0091	-0.0089	-0.0017	0.0014
	0.35	COBERT	7.91E-03	-7.65E-04	1.24E-04		COMB3	0.1126	0.1105	-0.0115	-0.0112	-0.0022	0.0018
	0.00	CORREAS	6.52E-03	-8.40E-04	-1.61E-04		COMB4	-0.0062	-0.0082	0.0000	0.0003	0.0000	0.0000
746	0.35	CORREAS	6.52E-03	-8.40E-04	1.37E-04	746	COMB5	0.0739	0.0719	-0.0078	-0.0075	-0.0015	0.0012
	0.00	VIVA	3.16E-02	-3.06E-03	-5.87E-04		COMB6	0.0008	-0.0012	-0.0007	-0.0004	-0.0001	0.0001
	0.35	VIVA	3.16E-02	-3.06E-03	4.97E-04		COMB7	0.0874	0.0947	-0.0089	-0.0097	-0.0017	0.0016
	0.00	VIENTO	4.57E-02	-4.42E-03	-8.47E-04		COMB8	-0.0314	-0.0329	0.0026	0.0028	0.0005	-0.0005
	0.35	VIENTO	4.57E-02	-4.42E-03	7.19E-04		COMB9	0.0565	0.0545	-0.0054	-0.0051	-0.0010	0.0010
	0.00	ESPECTRO	3.31E-03	4.02E-04	7.49E-05		COMB10	0.0313	0.0298	-0.0028	-0.0026	-0.0005	0.0005
	0.35	ESPECTRO	3.31E-03	4.02E-04	6.75E-05								
	0.00	DEAD	1.33E-02	-3.35E-03	-6.70E-04								

RESULTADO DE ANALISIS ESTRUCTURAL - TECHO ARNAMENTAL (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames

ELE.	Stat.	OutputCase	P	V2	M3
Text	m	Text	Ton	Ton	Ton-m
748	0.36	DEAD	9.97E-03	-2.70E-03	4.13E-04
	0.00	COBERT	2.66E-03	-1.22E-03	-2.56E-04
	0.36	COBERT	2.66E-03	-1.22E-03	1.80E-04
	0.00	CORREAS	1.33E-02	-1.01E-03	-2.38E-04
	0.36	CORREAS	1.33E-02	-1.01E-03	1.24E-04
	0.00	VIVA	1.06E-02	-4.87E-03	-1.03E-03
	0.36	VIVA	1.06E-02	-4.87E-03	7.18E-04
	0.00	VIENTO	1.54E-02	-7.03E-03	-1.48E-03
	0.36	VIENTO	1.54E-02	-7.03E-03	1.04E-03
	0.00	ESPECTRO	3.96E-03	6.50E-04	1.24E-04
	0.36	ESPECTRO	3.96E-03	6.50E-04	1.10E-04
749	0.00	DEAD	1.05E-02	-2.76E-03	-5.73E-04
	0.37	DEAD	7.13E-03	-1.83E-03	2.68E-04
	0.00	COBERT	1.52E-03	-7.64E-04	-1.80E-04
	0.37	COBERT	1.52E-03	-7.64E-04	1.00E-04
	0.00	CORREAS	2.13E-02	2.68E-04	-1.02E-05
	0.37	CORREAS	2.13E-02	2.68E-04	-1.08E-04
	0.00	VIVA	6.09E-03	-3.06E-03	-7.21E-04
	0.37	VIVA	6.09E-03	-3.06E-03	4.00E-04
	0.00	VIENTO	8.80E-03	-4.42E-03	-1.04E-03
	0.37	VIENTO	8.80E-03	-4.42E-03	5.78E-04
	0.00	ESPECTRO	5.79E-03	6.70E-04	1.28E-04
	0.37	ESPECTRO	5.79E-03	6.70E-04	1.19E-04
750	0.00	DEAD	1.03E-02	-3.80E-03	-8.06E-04
	0.36	DEAD	6.94E-03	-2.95E-03	4.21E-04
	0.00	COBERT	1.33E-03	-1.34E-03	-3.06E-04
	0.36	COBERT	1.33E-03	-1.34E-03	1.82E-04
	0.00	CORREAS	2.95E-02	-4.08E-04	-1.64E-04
	0.36	CORREAS	2.95E-02	-4.08E-04	-1.57E-05
	0.00	VIVA	5.32E-03	-5.38E-03	-1.23E-03
	0.36	VIVA	5.32E-03	-5.38E-03	7.30E-04
	0.00	VIENTO	7.69E-03	-7.77E-03	-1.77E-03
	0.36	VIENTO	7.69E-03	-7.77E-03	1.05E-03
	0.00	ESPECTRO	5.05E-03	7.47E-04	1.47E-04
	0.36	ESPECTRO	5.05E-03	7.47E-04	1.27E-04
751	0.00	DEAD	4.06E-03	-1.35E-03	-1.66E-04
	0.37	DEAD	6.89E-04	-2.14E-04	1.27E-04
	0.00	COBERT	7.11E-03	1.92E-04	5.05E-05
	0.37	COBERT	7.11E-03	1.92E-04	-2.14E-05
	0.00	CORREAS	2.30E-02	1.22E-03	2.50E-04
	0.37	CORREAS	2.30E-02	1.22E-03	-2.06E-04
	0.00	VIVA	2.85E-02	7.69E-04	2.02E-04
	0.37	VIVA	2.85E-02	7.69E-04	-8.56E-05
	0.00	VIENTO	4.11E-02	1.11E-03	2.92E-04
	0.37	VIENTO	4.11E-02	1.11E-03	-1.24E-04
	0.00	ESPECTRO	7.12E-03	7.03E-04	1.48E-04
	0.37	ESPECTRO	7.12E-03	7.03E-04	1.16E-04
752	0.00	DEAD	4.57E-03	-2.49E-03	-4.42E-04
	0.37	DEAD	1.20E-03	-1.46E-03	2.88E-04
	0.00	COBERT	4.29E-03	-4.61E-04	-9.68E-05
	0.37	COBERT	4.29E-03	-4.61E-04	7.38E-05
	0.00	CORREAS	3.12E-02	5.11E-04	7.29E-05
	0.37	CORREAS	3.12E-02	5.11E-04	-1.16E-04
	0.00	VIVA	1.72E-02	-1.84E-03	-3.87E-04
	0.37	VIVA	1.72E-02	-1.84E-03	2.95E-04
	0.00	VIENTO	2.48E-02	-2.66E-03	-5.59E-04
	0.37	VIENTO	2.48E-02	-2.66E-03	4.26E-04
	0.00	ESPECTRO	6.32E-03	6.12E-04	1.16E-04
	0.37	ESPECTRO	6.32E-03	6.12E-04	1.10E-04
753	0.00	DEAD	2.60E-02	-1.54E-03	-2.66E-04
	0.35	DEAD	2.43E-02	-1.45E-03	2.59E-04
	0.00	COBERT	2.57E-02	-5.18E-04	-8.78E-05
	0.35	COBERT	2.57E-02	-5.18E-04	9.37E-05
	0.00	CORREAS	-1.79E-02	-1.38E-03	-2.25E-04
	0.35	CORREAS	-1.79E-02	-1.38E-03	2.57E-04
	0.00	VIVA	1.03E-01	-2.07E-03	-3.51E-04
	0.35	VIVA	1.03E-01	-2.07E-03	3.75E-04
	0.00	VIENTO	1.49E-01	-2.99E-03	-5.07E-04
	0.35	VIENTO	1.49E-01	-2.99E-03	5.42E-04
	0.00	ESPECTRO	4.27E-03	2.78E-04	5.04E-05
	0.35	ESPECTRO	4.27E-03	2.78E-04	4.74E-05
	0.00	DEAD	2.55E-02	-9.42E-04	-1.73E-04
	0.35	DEAD	2.38E-02	-8.96E-04	1.49E-04
	0.00	COBERT	3.31E-02	-2.07E-04	-1.95E-05
	0.35	COBERT	3.31E-02	-2.07E-04	5.31E-05
	0.00	CORREAS	-1.27E-02	-1.44E-03	-2.54E-04

ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
748	COMB1	0.0410	0.0363	-0.0078	-0.0069	-0.0016	0.0010
	COMB2	0.0522	0.0482	-0.0145	-0.0137	-0.0030	0.0020
	COMB3	0.0604	0.0564	-0.0183	-0.0175	-0.0038	0.0026
	COMB4	0.0205	0.0165	0.0000	0.0008	0.0000	-0.0001
	COMB5	0.0475	0.0434	-0.0123	-0.0115	-0.0026	0.0017
	COMB6	0.0229	0.0189	-0.0011	-0.0003	-0.0002	0.0000
	COMB7	0.0463	0.0511	-0.0142	-0.0151	-0.0030	0.0022
	COMB8	0.0064	0.0034	0.0041	0.0047	0.0009	-0.0007
	COMB9	0.0445	0.0404	-0.0085	-0.0077	-0.0018	0.0013
	COMB10	0.0303	0.0273	-0.0044	-0.0038	-0.0009	0.0008
749							
	COMB1	0.0466	0.0419	-0.0046	-0.0033	-0.0011	0.0004
	COMB2	0.0497	0.0457	-0.0088	-0.0077	-0.0021	0.0010
	COMB3	0.0545	0.0504	-0.0112	-0.0101	-0.0026	0.0013
	COMB4	0.0316	0.0275	0.0003	0.0014	0.0001	-0.0002
	COMB5	0.0470	0.0430	-0.0074	-0.0063	-0.0017	0.0008
	COMB6	0.0329	0.0289	-0.0004	0.0007	-0.0001	-0.0002
	COMB7	0.0414	0.0474	-0.0087	-0.0085	-0.0020	0.0011
	COMB8	0.0185	0.0155	0.0028	0.0037	0.0007	-0.0005
	COMB9	0.0488	0.0448	-0.0048	-0.0036	-0.0011	0.0006
	COMB10	0.0358	0.0327	-0.0023	-0.0014	-0.0006	0.0004
750							
	COMB1	0.0576	0.0529	-0.0078	-0.0066	-0.0018	0.0008
	COMB2	0.0579	0.0539	-0.0153	-0.0143	-0.0035	0.0019
	COMB3	0.0620	0.0580	-0.0195	-0.0184	-0.0044	0.0024
	COMB4	0.0421	0.0380	0.0007	0.0018	0.0002	-0.0003
	COMB5	0.0555	0.0515	-0.0129	-0.0119	-0.0029	0.0015
	COMB6	0.0432	0.0392	-0.0004	0.0006	-0.0001	-0.0001
	COMB7	0.0470	0.0553	-0.0151	-0.0157	-0.0035	0.0021
	COMB8	0.0270	0.0240	0.0051	0.0059	0.0012	-0.0008
	COMB9	0.0571	0.0531	-0.0086	-0.0076	-0.0020	0.0012
	COMB10	0.0421	0.0391	-0.0043	-0.0035	-0.0010	0.0007
751							
	COMB1	0.0478	0.0431	0.0001	0.0017	0.0002	-0.0001
	COMB2	0.0865	0.0825	0.0013	0.0027	0.0005	-0.0003
	COMB3	0.1087	0.1046	0.0019	0.0033	0.0006	-0.0003
	COMB4	0.0018	-0.0023	-0.0010	0.0004	-0.0001	0.0000
	COMB5	0.0739	0.0698	0.0010	0.0023	0.0004	-0.0002
	COMB6	0.0081	0.0040	-0.0008	0.0005	-0.0001	0.0000
	COMB7	0.0842	0.0904	0.0015	0.0029	0.0005	-0.0003
	COMB8	-0.0227	-0.0257	-0.0014	-0.0004	-0.0003	0.0001
	COMB9	0.0623	0.0583	0.0012	0.0025	0.0004	0.0000
	COMB10	0.0379	0.0348	0.0008	0.0018	0.0003	0.0000
752							
	COMB1	0.0561	0.0513	-0.0034	-0.0020	-0.0007	0.0003
	COMB2	0.0755	0.0715	-0.0059	-0.0046	-0.0012	0.0008
	COMB3	0.0889	0.0849	-0.0073	-0.0061	-0.0015	0.0010
	COMB4	0.0244	0.0203	-0.0004	0.0009	0.0000	-0.0001
	COMB5	0.0679	0.0639	-0.0051	-0.0038	-0.0010	0.0006
	COMB6	0.0282	0.0242	-0.0008	0.0004	-0.0001	0.0000
	COMB7	0.0683	0.0763	-0.0057	-0.0051	-0.0011	0.0008
	COMB8	0.0038	0.0008	0.0013	0.0022	0.0003	-0.0003
	COMB9	0.0630	0.0589	-0.0032	-0.0020	-0.0006	0.0006
	COMB10	0.0424	0.0393	-0.0016	-0.0007	-0.0003	0.0003
753							
	COMB1	0.0474	0.0450	-0.0048	-0.0047	-0.0008	0.0009
	COMB2	0.2052	0.2031	-0.0074	-0.0073	-0.0013	0.0013
	COMB3	0.2852	0.2832	-0.0090	-0.0089	-0.0015	0.0016
	COMB4	-0.1011	-0.1032	-0.0013	-0.0012	-0.0002	0.0002
	COMB5	0.1595	0.1574	-0.0065	-0.0064	-0.0011	0.0012
	COMB6	-0.0783	-0.0803	-0.0017	-0.0016	-0.0003	0.0003
	COMB7	0.2236	0.2318	-0.0070	-0.0079	-0.0012	0.0014
	COMB8	-0.1627	-0.1643	0.0008	0.0009	0.0001	-0.0002
	COMB9	0.0963	0.0943	-0.0049	-0.0048	-0.0008	0.0010
	COMB10	0.0347	0.0332	-0.0028	-0.0027	-0.0005	0.0006
	COMB1	0.0643	0.0619	-0.0036	-0.0036	-0.0006	0.0006
	COMB2	0.2671	0.2650	-0.0044	-0.0044	-0.0007	0.0009
	COMB3	0.3701	0.3681	-0.0051	-0.0050	-0.0007	0.0010
	COMB4	-0.1274	-0.1295	-0.0020	-0.0019	-0.0004	0.0002

RESULTADO DE ANALISIS ESTRUCTURAL - TECHO ARNAMENTAL (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames

ELE.	Stat.	OutputCase	P	V2	M3	ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
Text	m	Text	Ton	Ton	Ton-m								
754	0.35	CORREAS	-1.27E-02	-1.44E-03	2.49E-04	754	COMB5	0.2082	0.2062	-0.0041	-0.0040	-0.0006	0.0008
	0.00	VIVA	1.32E-01	-8.28E-04	-7.78E-05		COMB6	-0.0980	-0.1000	-0.0021	-0.0021	-0.0004	0.0003
	0.35	VIVA	1.32E-01	-8.28E-04	2.12E-04		COMB7	0.2901	0.3018	-0.0039	-0.0046	-0.0005	0.0009
	0.00	VIENTO	1.91E-01	-1.20E-03	-1.12E-04		COMB8	-0.2074	-0.2090	-0.0008	-0.0007	-0.0003	0.0000
	0.35	VIENTO	1.91E-01	-1.20E-03	3.07E-04		COMB9	0.1257	0.1237	-0.0033	-0.0032	-0.0005	0.0007
	0.00	ESPECTRO	4.36E-03	2.15E-04	4.03E-05		COMB10	0.0457	0.0442	-0.0021	-0.0021	-0.0004	0.0004
	0.35	ESPECTRO	4.36E-03	2.15E-04	3.52E-05								
755	0.00	DEAD	2.13E-02	-1.70E-03	-3.18E-04	755							
	0.35	DEAD	1.96E-02	-1.52E-03	2.50E-04		COMB1	0.0360	0.0336	-0.0047	-0.0044	-0.0009	0.0007
	0.00	COBERT	1.23E-02	-6.82E-04	-1.26E-04		COMB2	0.1096	0.1076	-0.0084	-0.0082	-0.0015	0.0014
	0.35	COBERT	1.23E-02	-6.82E-04	1.14E-04		COMB3	0.1480	0.1459	-0.0105	-0.0103	-0.0019	0.0017
	0.00	CORREAS	-7.89E-03	-9.60E-04	-1.70E-04		COMB4	-0.0370	-0.0391	-0.0003	0.0000	0.0000	0.0000
	0.35	CORREAS	-7.89E-03	-9.60E-04	1.69E-04		COMB5	0.0878	0.0857	-0.0072	-0.0069	-0.0013	0.0012
	0.00	VIVA	4.93E-02	-2.73E-03	-5.04E-04		COMB6	-0.0261	-0.0281	-0.0009	-0.0006	-0.0002	0.0001
	0.35	VIVA	4.93E-02	-2.73E-03	4.58E-04		COMB7	0.1156	0.1213	-0.0081	-0.0089	-0.0015	0.0015
	0.00	VIENTO	7.12E-02	-3.94E-03	-7.28E-04		COMB8	-0.0694	-0.0709	0.0021	0.0023	0.0004	-0.0004
	0.35	VIENTO	7.12E-02	-3.94E-03	6.61E-04		COMB9	0.0590	0.0570	-0.0050	-0.0048	-0.0009	0.0009
	0.00	ESPECTRO	3.54E-03	3.48E-04	6.47E-05		COMB10	0.0267	0.0251	-0.0027	-0.0025	-0.0005	0.0005
	0.35	ESPECTRO	3.54E-03	3.48E-04	5.79E-05								
756	0.00	DEAD	2.40E-02	-1.60E-03	-2.93E-04	756							
	0.35	DEAD	2.23E-02	-1.47E-03	2.46E-04		COMB1	0.0572	0.0548	-0.0048	-0.0046	-0.0009	0.0008
	0.00	COBERT	1.82E-02	-6.64E-04	-1.21E-04		COMB2	0.1652	0.1632	-0.0084	-0.0082	-0.0015	0.0014
	0.35	COBERT	1.82E-02	-6.64E-04	1.13E-04		COMB3	0.2217	0.2197	-0.0104	-0.0103	-0.0019	0.0017
	0.00	CORREAS	-1.26E-03	-1.17E-03	-2.07E-04		COMB4	-0.0510	-0.0531	-0.0005	-0.0003	-0.0001	0.0001
	0.35	CORREAS	-1.26E-03	-1.17E-03	2.04E-04		COMB5	0.1330	0.1309	-0.0072	-0.0070	-0.0013	0.0012
	0.00	VIVA	7.26E-02	-2.66E-03	-4.83E-04		COMB6	-0.0349	-0.0369	-0.0011	-0.0009	-0.0002	0.0002
	0.35	VIVA	7.26E-02	-2.66E-03	4.51E-04		COMB7	0.1732	0.1834	-0.0081	-0.0089	-0.0015	0.0015
	0.00	VIENTO	1.05E-01	-3.84E-03	-6.98E-04		COMB8	-0.0996	-0.1011	0.0019	0.0020	0.0003	-0.0003
	0.35	VIENTO	1.05E-01	-3.84E-03	6.52E-04		COMB9	0.0892	0.0871	-0.0051	-0.0050	-0.0009	0.0010
	0.00	ESPECTRO	3.81E-03	3.11E-04	5.76E-05		COMB10	0.0406	0.0391	-0.0028	-0.0027	-0.0005	0.0006
	0.35	ESPECTRO	3.81E-03	3.11E-04	5.19E-05								
3018	0.00	DEAD	1.03E-02	-2.79E-03	-1.61E-03	3018							
	0.00	DEAD	1.03E-02	-2.79E-03	-1.60E-03		COMB1	0.0471	0.0471	-0.0323	-0.0323	-0.0043	-0.0042
	0.00	COBERT	-2.64E-04	-4.73E-03	-5.96E-04		COMB2	0.0387	0.0387	-0.0580	-0.0580	-0.0075	-0.0074
	0.00	COBERT	-2.64E-04	-4.73E-03	-5.86E-04		COMB3	0.0379	0.0378	-0.0727	-0.0727	-0.0093	-0.0092
	0.00	CORREAS	2.36E-02	-1.56E-02	-8.51E-04		COMB4	0.0418	0.0418	-0.0016	-0.0016	-0.0004	-0.0004
	0.00	CORREAS	2.36E-02	-1.56E-02	-8.17E-04		COMB5	0.0392	0.0391	-0.0496	-0.0496	-0.0064	-0.0063
	0.00	VIVA	-1.06E-03	-1.89E-02	-2.38E-03		COMB6	0.0416	0.0416	-0.0058	-0.0058	-0.0009	-0.0009
	0.00	VIVA	-1.06E-03	-1.89E-02	-2.34E-03		COMB7	0.0283	0.0384	-0.0563	-0.0632	-0.0072	-0.0080
	0.00	VIENTO	-1.53E-03	-2.73E-02	-3.45E-03		COMB8	0.0323	0.0323	0.0148	0.0148	0.0017	0.0017
	0.00	VIENTO	-1.53E-03	-2.73E-02	-3.38E-03		COMB9	0.0439	0.0439	-0.0307	-0.0307	-0.0047	-0.0046
	0.00	ESPECTRO	4.09E-03	6.45E-03	2.06E-04		COMB10	0.0344	0.0344	-0.0143	-0.0143	-0.0025	-0.0025
	0.00	ESPECTRO	4.09E-03	6.45E-03	2.05E-04								
3019	0.00	DEAD	9.64E-03	-3.37E-03	-6.81E-04	3019							
	0.36	DEAD	6.31E-03	-2.63E-03	3.94E-04		COMB1	0.0195	0.0149	-0.0071	-0.0061	-0.0015	0.0009
	0.00	COBERT	1.01E-03	-1.20E-03	-2.57E-04		COMB2	0.0232	0.0192	-0.0138	-0.0129	-0.0029	0.0018
	0.36	COBERT	1.01E-03	-1.20E-03	1.74E-04		COMB3	0.0264	0.0224	-0.0175	-0.0166	-0.0037	0.0024
	0.00	CORREAS	3.30E-03	-5.06E-04	-1.37E-04		COMB4	0.0112	0.0072	0.0005	0.0014	0.0001	-0.0002
	0.36	CORREAS	3.30E-03	-5.06E-04	4.47E-05		COMB5	0.0214	0.0174	-0.0116	-0.0108	-0.0025	0.0015
	0.00	VIVA	4.05E-03	-4.81E-03	-1.03E-03		COMB6	0.0121	0.0081	-0.0005	0.0003	-0.0001	-0.0001
	0.36	VIVA	4.05E-03	-4.81E-03	6.96E-04		COMB7	0.0202	0.0204	-0.0136	-0.0142	-0.0029	0.0020
	0.00	VIENTO	5.86E-03	-6.94E-03	-1.48E-03		COMB8	0.0049	0.0019	0.0045	0.0051	0.0010	-0.0008
	0.36	VIENTO	5.86E-03	-6.94E-03	1.01E-03		COMB9	0.0231	0.0191	-0.0078	-0.0069	-0.0017	0.0012
	0.00	ESPECTRO	4.33E-03	7.00E-04	1.34E-04		COMB10	0.0169	0.0139	-0.0039	-0.0032	-0.0008	0.0007
	0.36	ESPECTRO	4.33E-03	7.00E-04	1.19E-04								
DIAGONAL						**DIAGONAL**							
46	0.00	DEAD	1.46E-01	1.21E-03	9.67E-04	46							
	0.53	DEAD	1.51E-01	3.19E-03	-1.93E-04		COMB1	0.2832	0.2897	0.0051	0.0079	0.0029	-0.0005
	0.00	COBERT	3.89E-02	1.06E-03	4.71E-04		COMB2	0.4919	0.4974	0.0112	0.0135	0.0055	-0.0010
	0.53	COBERT	3.89E-02	1.06E-03	-8.82E-05		COMB3	0.6130	0.6185	0.0145	0.0169	0.0070	-0.0013
	0.00	CORREAS	1.71E-02	1.38E-03	6.42E-04		COMB4	0.0282	0.0337	-0.0015	0.0009	-0.0001	0.0000
	0.53	CORREAS	1.71E-02	1.38E-03	-8.36E-05		COMB5	0.4227	0.4282	0.0093	0.0117	0.0047	-0.0008
	0.00	VIVA	1.56E-01	4.25E-03	1.89E-03		COMB6	0.0628	0.0683	-0.0005	0.0018	0.0003	0.0000
	0.53	VIVA	1.56E-01	4.25E-03	-3.53E-04		COMB7	0.4745	0.5407	0.0113	0.0147	0.0054	-0.0011
	0.00	VIENTO	2.25E-01	6.14E-03	2.72E-03		COMB8	-0.1103	-0.1062	-0.0047	-0.0029	-0.0017	0.0003
	0.53	VIENTO	2.25E-01	6.14E-03	-5.10E-04		COMB9	0.3375	0.3430	0.0066	0.0090	0.0035	-0.0006
	0.00	ESPECTRO	1.69E-02	1.43E-04	1.02E-04		COMB10	0.1989	0.2031	0.0034	0.0052	0.0020	-0.0003
	0.53	ESPECTRO	1.69E-02	1.43E-04	3.81E-05								
47	0.00	DEAD	1.37E-01	-1.85E-03	-3.66E-04	47							
	0.52	DEAD	1.42E-01	2.68E-04	4.72E-05		COMB1	0.2663	0.2727	-0.0030	0.0000	-0.0007	0.0000
	0.00	COBERT	4.08E-02	-2.22E-04	-1.03E-04		COMB2	0.4893	0.4947	-0.0040	-0.0014	-0.0013	0.0001
	0.52	COBERT	4.08E-02	-2.22E-04	1.33E-05		COMB3	0.6163	0.6217	-0.0047	-0.0021	-0.0016	0.0002
	0.00	CORREAS	1.23E-02	-4.95E-05	-6.62E-05		COMB4	0.0035	0.0089	-0.0013	0.0012	-0.0001	0.0000
	0.52	CORREAS	1.23E-02	-4.95E-05	-4.02E-05		COMB5	0.4168	0.4223	-0.0036	-0.0010	-0.0011	0.0001
	0.00	VIVA	1.63E-01	-8.88E-04	-4.12E-04		COMB6	0.0397	0.0452	-0.0015	0.0010	-0.0002	0.0000
	0.52	VIVA	1.63E-01	-8.88E-04	5.31E-05		COMB7	0.4776	0.5401	-0.0036	-0.0017	-0.0013	0.0001

RESULTADO DE ANALISIS ESTRUCTURAL - TECHO ARNAMENTAL (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames													
ELE.	Stat.	OutputCase	P	V2	M3	ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
Text	m	Text	Ton	Ton	Ton-m								
	0.00	VIENTO	2.36E-01	-1.28E-03	-5.96E-04		COMB8	-0.1352	-0.1311	-0.0002	0.0017	0.0003	-0.0001
	0.52	VIENTO	2.36E-01	-1.28E-03	7.67E-05		COMB9	0.3261	0.3315	-0.0029	-0.0003	-0.0008	0.0001
	0.00	ESPECTRO	1.62E-02	1.21E-04	4.16E-05		COMB10	0.1875	0.1915	-0.0018	0.0001	-0.0004	0.0000
	0.52	ESPECTRO	1.62E-02	1.21E-04	2.43E-05								
	0.00	DEAD	1.26E-01	-1.53E-03	-2.17E-04								
	0.52	DEAD	1.30E-01	7.18E-04	-5.32E-06		COMB1	0.2672	0.2734	-0.0022	0.0009	-0.0004	0.0000
	0.00	COBERT	3.90E-02	-8.67E-05	-4.02E-05		COMB2	0.4788	0.4841	-0.0024	0.0003	-0.0006	0.0000
	0.52	COBERT	3.90E-02	-8.67E-05	5.02E-06		COMB3	0.6002	0.6055	-0.0027	0.0000	-0.0007	0.0000
	0.00	CORREAS	2.62E-02	4.11E-05	-1.21E-06		COMB4	0.0139	0.0192	-0.0014	0.0013	-0.0001	-0.0001
48	0.52	CORREAS	2.62E-02	4.11E-05	-2.26E-05	48	COMB5	0.4094	0.4147	-0.0023	0.0004	-0.0005	0.0000
	0.00	VIVA	1.56E-01	-3.47E-04	-1.61E-04		COMB6	0.0486	0.0539	-0.0015	0.0012	-0.0001	-0.0001
	0.52	VIVA	1.56E-01	-3.47E-04	2.01E-05		COMB7	0.4649	0.5275	-0.0021	0.0002	-0.0005	0.0000
	0.00	VIENTO	2.26E-01	-5.01E-04	-2.32E-04		COMB8	-0.1214	-0.1174	-0.0008	0.0013	0.0001	-0.0001
	0.52	VIENTO	2.26E-01	-5.01E-04	2.90E-05		COMB9	0.3222	0.3275	-0.0020	0.0007	-0.0004	0.0000
	0.00	ESPECTRO	1.51E-02	6.29E-05	1.22E-05		COMB10	0.1869	0.1909	-0.0014	0.0007	-0.0002	0.0000
	0.52	ESPECTRO	1.51E-02	6.29E-05	2.53E-05								
	0.00	DEAD	1.07E-01	-8.17E-04	-6.61E-05								
	0.52	DEAD	1.12E-01	1.56E-03	-2.59E-04		COMB1	0.2117	0.2177	-0.0004	0.0029	0.0000	-0.0006
	0.00	COBERT	3.50E-02	1.56E-04	1.15E-05		COMB2	0.4052	0.4104	0.0007	0.0035	0.0001	-0.0010
	0.52	COBERT	3.50E-02	1.56E-04	-6.92E-05		COMB3	0.5140	0.5192	0.0011	0.0040	0.0001	-0.0012
	0.00	CORREAS	8.92E-03	3.77E-04	7.32E-05		COMB4	-0.0113	-0.0061	-0.0012	0.0017	0.0000	-0.0002
49	0.52	CORREAS	8.92E-03	3.77E-04	-1.23E-04	49	COMB5	0.3431	0.3483	0.0004	0.0032	0.0001	-0.0009
	0.00	VIVA	1.40E-01	6.22E-04	4.59E-05		COMB6	0.0198	0.0250	-0.0011	0.0018	0.0000	-0.0002
	0.52	VIVA	1.40E-01	6.22E-04	-2.77E-04		COMB7	0.3987	0.4493	0.0009	0.0037	0.0001	-0.0011
	0.00	VIENTO	2.02E-01	8.99E-04	6.63E-05		COMB8	-0.1266	-0.1227	-0.0014	0.0007	-0.0001	0.0001
	0.52	VIENTO	2.02E-01	8.99E-04	-4.00E-04		COMB9	0.2642	0.2694	0.0000	0.0029	0.0001	-0.0007
	0.00	ESPECTRO	1.29E-02	6.84E-05	2.36E-05		COMB10	0.1489	0.1528	-0.0002	0.0020	0.0000	-0.0004
	0.52	ESPECTRO	1.29E-02	6.84E-05	1.41E-05								
	0.00	DEAD	9.06E-02	-7.42E-04	-1.16E-04								
	0.52	DEAD	9.48E-02	1.76E-03	-3.78E-04		COMB1	0.2001	0.2061	-0.0002	0.0033	-0.0001	-0.0009
	0.00	COBERT	3.09E-02	1.81E-04	-7.20E-06		COMB2	0.3694	0.3744	0.0010	0.0040	-0.0001	-0.0014
	0.52	COBERT	3.09E-02	1.81E-04	-1.01E-04		COMB3	0.4656	0.4706	0.0015	0.0045	-0.0001	-0.0017
	0.00	CORREAS	2.15E-02	4.07E-04	5.92E-05		COMB4	0.0012	0.0062	-0.0012	0.0018	0.0000	-0.0002
52	0.52	CORREAS	2.15E-02	4.07E-04	-1.51E-04	52	COMB5	0.3144	0.3195	0.0007	0.0037	-0.0001	-0.0012
	0.00	VIVA	1.24E-01	7.24E-04	-2.88E-05		COMB6	0.0287	0.0337	-0.0010	0.0020	0.0000	-0.0003
	0.52	VIVA	1.24E-01	7.24E-04	-4.03E-04		COMB7	0.3609	0.4088	0.0012	0.0042	-0.0001	-0.0015
	0.00	VIENTO	1.79E-01	1.05E-03	-4.16E-05		COMB8	-0.1035	-0.0997	-0.0015	0.0008	0.0000	0.0002
	0.52	VIENTO	1.79E-01	1.05E-03	-5.82E-04		COMB9	0.2445	0.2496	0.0002	0.0032	-0.0001	-0.0009
	0.00	ESPECTRO	1.12E-02	6.44E-05	1.58E-05		COMB10	0.1398	0.1436	-0.0001	0.0022	0.0000	-0.0005
	0.52	ESPECTRO	1.12E-02	6.44E-05	2.20E-05								
	0.00	DEAD	6.17E-02	-3.63E-04	-2.77E-05								
	0.51	DEAD	6.58E-02	2.26E-03	-5.15E-04		COMB1	0.1174	0.1232	0.0007	0.0043	0.0001	-0.0012
	0.00	COBERT	2.37E-02	3.64E-04	3.67E-05		COMB2	0.2521	0.2571	0.0029	0.0061	0.0003	-0.0020
	0.51	COBERT	2.37E-02	3.64E-04	-1.51E-04		COMB3	0.3258	0.3308	0.0040	0.0072	0.0005	-0.0024
	0.00	CORREAS	-1.45E-03	4.83E-04	8.54E-05		COMB4	-0.0298	-0.0248	-0.0014	0.0017	-0.0001	-0.0002
53	0.51	CORREAS	-1.45E-03	4.83E-04	-1.63E-04	53	COMB5	0.2101	0.2150	0.0023	0.0054	0.0003	-0.0017
	0.00	VIVA	9.47E-02	1.46E-03	1.47E-04		COMB6	-0.0088	-0.0038	-0.0011	0.0020	-0.0001	-0.0003
	0.51	VIVA	9.47E-02	1.46E-03	-6.02E-04		COMB7	0.2533	0.2834	0.0032	0.0065	0.0004	-0.0021
	0.00	VIENTO	1.37E-01	2.10E-03	2.12E-04		COMB8	-0.1023	-0.0986	-0.0023	0.0001	-0.0002	0.0004
	0.51	VIENTO	1.37E-01	2.10E-03	-8.70E-04		COMB9	0.1556	0.1606	0.0014	0.0045	0.0002	-0.0013
	0.00	ESPECTRO	7.62E-03	9.69E-05	2.06E-05		COMB10	0.0831	0.0868	0.0005	0.0029	0.0001	-0.0007
	0.51	ESPECTRO	7.62E-03	9.69E-05	3.49E-05								
	0.00	DEAD	3.81E-02	-1.11E-04	-1.14E-05								
	0.51	DEAD	4.22E-02	2.62E-03	-6.56E-04		COMB1	0.0859	0.0916	0.0015	0.0054	0.0002	-0.0015
	0.00	COBERT	1.48E-02	4.95E-04	4.55E-05		COMB2	0.1686	0.1734	0.0045	0.0078	0.0005	-0.0027
	0.51	COBERT	1.48E-02	4.95E-04	-2.08E-04		COMB3	0.2147	0.2196	0.0060	0.0093	0.0006	-0.0033
	0.00	CORREAS	8.38E-03	7.10E-04	1.22E-04		COMB4	-0.0081	-0.0033	-0.0014	0.0019	-0.0001	-0.0002
113	0.51	CORREAS	8.38E-03	7.10E-04	-2.42E-04	113	COMB5	0.1422	0.1471	0.0036	0.0069	0.0004	-0.0023
	0.00	VIVA	5.93E-02	1.98E-03	1.82E-04		COMB6	0.0051	0.0099	-0.0010	0.0023	0.0000	-0.0004
	0.51	VIVA	5.93E-02	1.98E-03	-8.32E-04		COMB7	0.1666	0.1899	0.0047	0.0083	0.0005	-0.0029
	0.00	VIENTO	8.57E-02	2.86E-03	2.63E-04		COMB8	-0.0562	-0.0526	-0.0027	-0.0003	-0.0002	0.0006
	0.51	VIENTO	8.57E-02	2.86E-03	-1.20E-03		COMB9	0.1083	0.1131	0.0024	0.0057	0.0003	-0.0017
	0.00	ESPECTRO	5.00E-03	1.26E-04	2.26E-05		COMB10	0.0602	0.0639	0.0011	0.0036	0.0002	-0.0009
	0.51	ESPECTRO	5.00E-03	1.26E-04	4.85E-05								
	0.00	DEAD	1.15E-02	-8.69E-05	3.43E-08								
	0.51	DEAD	1.54E-02	2.76E-03	-6.83E-04		COMB1	0.0038	0.0093	0.0014	0.0054	0.0002	-0.0015
	0.00	COBERT	4.64E-03	5.16E-04	5.13E-05		COMB2	0.0330	0.0377	0.0045	0.0079	0.0005	-0.0027
	0.51	COBERT	4.64E-03	5.16E-04	-2.12E-04		COMB3	0.0474	0.0521	0.0061	0.0095	0.0007	-0.0033
	0.00	CORREAS	-1.34E-02	5.54E-04	9.07E-05		COMB4	-0.0223	-0.0176	-0.0017	0.0018	-0.0001	-0.0001
157	0.51	CORREAS	-1.34E-02	5.54E-04	-1.93E-04	157	COMB5	0.0247	0.0295	0.0036	0.0070	0.0004	-0.0023
	0.00	VIVA	1.86E-02	2.06E-03	2.05E-04		COMB6	-0.0182	-0.0134	-0.0012	0.0022	-0.0001	-0.0003
	0.51	VIVA	1.86E-02	2.06E-03	-8.50E-04		COMB7	0.0373	0.0429	0.0048	0.0085	0.0005	-0.0029
	0.00	VIENTO	2.68E-02	2.98E-03	2.96E-04		COMB8	-0.0324	-0.0288	-0.0030	-0.0004	-0.0003	0.0006
	0.51	VIENTO	2.68E-02	2.98E-03	-1.23E-03		COMB9	0.0146	0.0194	0.0023	0.0058	0.0003	-0.0017
	0.00	ESPECTRO	2.06E-03	1.31E-04	2.22E-05		COMB10	0.0045	0.0081	0.0010	0.0036	0.0002	-0.0009
	0.51	ESPECTRO	2.06E-03	1.31E-04	5.07E-05								

RESULTADO DE ANALISIS ESTRUCTURAL - TECHO ARNAMENTAL (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames

ELE.	Stat.	OutputCase	P	V2	M3	ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
Text	m	Text	Ton	Ton	Ton-m								
172	0.00	DEAD	-1.34E-02	3.68E-05	9.14E-05	172							
	0.51	DEAD	-9.59E-03	2.99E-03	-6.81E-04		COMB1	-0.0333	-0.0279	0.0020	0.0062	0.0005	-0.0016
	0.00	COBERT	-6.95E-03	6.11E-04	9.99E-05		COMB2	-0.0730	-0.0684	0.0057	0.0092	0.0011	-0.0027
	0.51	COBERT	-6.95E-03	6.11E-04	-2.12E-04		COMB3	-0.0947	-0.0900	0.0076	0.0111	0.0014	-0.0034
	0.00	CORREAS	-3.37E-03	8.02E-04	1.79E-04		COMB4	0.0098	0.0144	-0.0016	0.0019	-0.0001	-0.0002
	0.51	CORREAS	-3.37E-03	8.02E-04	-2.30E-04		COMB5	-0.0607	-0.0560	0.0046	0.0081	0.0009	-0.0023
	0.00	VIVA	-2.78E-02	2.45E-03	3.99E-04		COMB6	0.0036	0.0082	-0.0011	0.0025	0.0000	-0.0004
	0.51	VIVA	-2.78E-02	2.45E-03	-8.48E-04		COMB7	-0.0736	-0.0761	0.0059	0.0099	0.0011	-0.0029
	0.00	VIENTO	-4.02E-02	3.53E-03	5.77E-04		COMB8	0.0308	0.0343	-0.0033	-0.0006	-0.0004	0.0006
	0.51	VIENTO	-4.02E-02	3.53E-03	-1.22E-03		COMB9	-0.0407	-0.0361	0.0031	0.0067	0.0007	-0.0017
	0.00	ESPECTRO	1.73E-03	1.42E-04	3.26E-05		COMB10	-0.0197	-0.0162	0.0014	0.0041	0.0004	-0.0010
	0.51	ESPECTRO	1.73E-03	1.42E-04	4.59E-05								
197	0.00	DEAD	-3.97E-02	-2.08E-04	1.34E-05	197							
	0.51	DEAD	-3.60E-02	2.85E-03	-6.59E-04		COMB1	-0.1151	-0.1099	0.0012	0.0055	0.0003	-0.0014
	0.00	COBERT	-1.87E-02	5.74E-04	8.29E-05		COMB2	-0.2186	-0.2141	0.0047	0.0084	0.0008	-0.0026
	0.51	COBERT	-1.87E-02	5.74E-04	-2.09E-04		COMB3	-0.2769	-0.2724	0.0065	0.0101	0.0010	-0.0032
	0.00	CORREAS	-2.38E-02	4.73E-04	9.55E-05		COMB4	0.0046	0.0091	-0.0022	0.0015	-0.0002	-0.0001
	0.51	CORREAS	-2.38E-02	4.73E-04	-1.45E-04		COMB5	-0.1853	-0.1808	0.0037	0.0073	0.0006	-0.0022
	0.00	VIVA	-7.49E-02	2.30E-03	3.31E-04		COMB6	-0.0121	-0.0076	-0.0016	0.0020	-0.0002	-0.0002
	0.51	VIVA	-7.49E-02	2.30E-03	-8.37E-04		COMB7	-0.2148	-0.2349	0.0051	0.0090	0.0008	-0.0028
	0.00	VIENTO	-1.08E-01	3.32E-03	4.79E-04		COMB8	0.0667	0.0701	-0.0036	-0.0008	-0.0004	0.0007
	0.51	VIENTO	-1.08E-01	3.32E-03	-1.21E-03		COMB9	-0.1316	-0.1271	0.0023	0.0060	0.0004	-0.0016
	0.00	ESPECTRO	4.56E-03	1.51E-04	3.18E-05		COMB10	-0.0695	-0.0661	0.0009	0.0037	0.0002	-0.0009
	0.51	ESPECTRO	4.56E-03	1.51E-04	5.19E-05								
221	0.00	DEAD	-6.57E-02	-3.30E-05	1.02E-04	221							
	0.51	DEAD	-6.21E-02	3.13E-03	-6.84E-04		COMB1	-0.1539	-0.1488	0.0017	0.0062	0.0005	-0.0015
	0.00	COBERT	-3.20E-02	6.82E-04	1.43E-04		COMB2	-0.3369	-0.3325	0.0058	0.0096	0.0014	-0.0026
	0.51	COBERT	-3.20E-02	6.82E-04	-2.04E-04		COMB3	-0.4365	-0.4321	0.0080	0.0118	0.0018	-0.0032
	0.00	CORREAS	-1.22E-02	5.83E-04	1.39E-04		COMB4	0.0446	0.0489	-0.0023	0.0015	-0.0003	-0.0001
	0.51	CORREAS	-1.22E-02	5.83E-04	-1.58E-04		COMB5	-0.2800	-0.2756	0.0046	0.0084	0.0011	-0.0022
	0.00	VIVA	-1.28E-01	2.73E-03	5.72E-04		COMB6	0.0161	0.0205	-0.0017	0.0021	-0.0002	-0.0003
	0.51	VIVA	-1.28E-01	2.73E-03	-8.14E-04		COMB7	-0.3395	-0.3681	0.0062	0.0104	0.0014	-0.0028
	0.00	VIENTO	-1.85E-01	3.94E-03	8.27E-04		COMB8	0.1416	0.1449	-0.0040	-0.0012	-0.0007	0.0006
	0.51	VIENTO	-1.85E-01	3.94E-03	-1.18E-03		COMB9	-0.1885	-0.1841	0.0030	0.0068	0.0008	-0.0016
	0.00	ESPECTRO	7.51E-03	1.81E-04	4.03E-05		COMB10	-0.0915	-0.0882	0.0013	0.0041	0.0004	-0.0009
	0.51	ESPECTRO	7.51E-03	1.81E-04	5.62E-05								
229	0.00	DEAD	-8.74E-02	1.94E-04	2.05E-04	229							
	0.51	DEAD	-8.38E-02	3.45E-03	-7.20E-04		COMB1	-0.2290	-0.2240	0.0023	0.0069	0.0008	-0.0015
	0.00	COBERT	-4.72E-02	9.53E-04	2.53E-04		COMB2	-0.4982	-0.4939	0.0081	0.0120	0.0023	-0.0028
	0.51	COBERT	-4.72E-02	9.53E-04	-2.31E-04		COMB3	-0.6450	-0.6407	0.0111	0.0150	0.0031	-0.0035
	0.00	CORREAS	-2.90E-02	5.12E-04	1.30E-04		COMB4	0.0637	0.0680	-0.0033	0.0007	-0.0007	0.0000
	0.51	CORREAS	-2.90E-02	5.12E-04	-1.30E-04		COMB5	-0.4144	-0.4101	0.0064	0.0103	0.0019	-0.0024
	0.00	VIVA	-1.89E-01	3.81E-03	1.01E-03		COMB6	0.0217	0.0260	-0.0024	0.0015	-0.0005	-0.0002
	0.51	VIVA	-1.89E-01	3.81E-03	-9.22E-04		COMB7	-0.5016	-0.5464	0.0087	0.0131	0.0024	-0.0030
	0.00	VIENTO	-2.73E-01	5.51E-03	1.46E-03		COMB8	0.2071	0.2103	-0.0057	-0.0027	-0.0014	0.0008
	0.51	VIENTO	-2.73E-01	5.51E-03	-1.33E-03		COMB9	-0.2806	-0.2763	0.0041	0.0080	0.0013	-0.0017
	0.00	ESPECTRO	1.00E-02	2.13E-04	5.23E-05		COMB10	-0.1372	-0.1340	0.0017	0.0046	0.0006	-0.0009
	0.51	ESPECTRO	1.00E-02	2.13E-04	5.90E-05								
254	0.00	DEAD	-1.08E-01	3.93E-04	3.18E-04	254							
	0.51	DEAD	-1.04E-01	3.75E-03	-7.32E-04		COMB1	-0.2609	-0.2560	0.0032	0.0079	0.0012	-0.0016
	0.00	COBERT	-6.48E-02	1.30E-03	3.77E-04		COMB2	-0.6381	-0.6339	0.0111	0.0151	0.0034	-0.0032
	0.51	COBERT	-6.48E-02	1.30E-03	-2.83E-04		COMB3	-0.8396	-0.8355	0.0151	0.0191	0.0046	-0.0041
	0.00	CORREAS	-1.38E-02	5.88E-04	1.69E-04		COMB4	0.1334	0.1375	-0.0044	-0.0004	-0.0010	0.0002
	0.51	CORREAS	-1.38E-02	5.88E-04	-1.30E-04		COMB5	-0.5230	-0.5188	0.0088	0.0128	0.0028	-0.0027
	0.00	VIVA	-2.59E-01	5.20E-03	1.51E-03		COMB6	0.0758	0.0799	-0.0033	0.0008	-0.0007	-0.0001
	0.51	VIVA	-2.59E-01	5.20E-03	-1.13E-03		COMB7	-0.6542	-0.7060	0.0118	0.0165	0.0036	-0.0035
	0.00	VIENTO	-3.74E-01	7.52E-03	2.18E-03		COMB8	0.3188	0.3219	-0.0077	-0.0047	-0.0021	0.0011
	0.51	VIENTO	-3.74E-01	7.52E-03	-1.64E-03		COMB9	-0.3406	-0.3364	0.0056	0.0096	0.0019	-0.0019
	0.00	ESPECTRO	1.25E-02	2.51E-04	6.75E-05		COMB10	-0.1552	-0.1520	0.0023	0.0053	0.0008	-0.0010
	0.51	ESPECTRO	1.25E-02	2.51E-04	6.23E-05								
255	0.00	DEAD	-1.18E-01	-7.50E-04	2.92E-04	255							
	0.51	DEAD	-1.14E-01	2.70E-03	-2.01E-04		COMB1	-0.3136	-0.3089	0.0003	0.0052	0.0011	-0.0003
	0.00	COBERT	-8.07E-02	7.17E-04	3.50E-04		COMB2	-0.7854	-0.7813	0.0049	0.0090	0.0032	-0.0003
	0.51	COBERT	-8.07E-02	7.17E-04	-1.39E-05		COMB3	-1.0366	-1.0325	0.0071	0.0112	0.0043	-0.0004
	0.00	CORREAS	-2.56E-02	2.64E-04	1.61E-04		COMB4	0.1761	0.1802	-0.0037	0.0005	-0.0010	-0.0001
	0.51	CORREAS	-2.56E-02	2.64E-04	2.70E-05		COMB5	-0.6419	-0.6379	0.0036	0.0077	0.0026	-0.0003
	0.00	VIVA	-3.23E-01	2.87E-03	1.40E-03		COMB6	0.1043	0.1084	-0.0030	0.0011	-0.0007	-0.0002
	0.51	VIVA	-3.23E-01	2.87E-03	-5.57E-05		COMB7	-0.8079	-0.8711	0.0056	0.0098	0.0034	-0.0003
	0.00	VIENTO	-4.66E-01	4.14E-03	2.02E-03		COMB8	0.4048	0.4078	-0.0052	-0.0021	-0.0019	-0.0001
	0.51	VIENTO	-4.66E-01	4.14E-03	-8.04E-05		COMB9	-0.4168	-0.4127	0.0018	0.0059	0.0017	-0.0002
	0.00	ESPECTRO	1.34E-02	9.07E-05	5.66E-05		COMB10	-0.1882	-0.1851	0.0003	0.0034	0.0008	-0.0001
	0.51	ESPECTRO	1.34E-02	9.07E-05	3.67E-05								
	0.00	DEAD	-4.71E-02	-6.13E-03	-1.14E-03								
	0.50	DEAD	-5.05E-02	-2.77E-03	1.07E-03		COMB1	-0.1192	-0.1238	-0.0138	-0.0091	-0.0030	0.0027
	0.00	COBERT	-1.81E-02	-1.36E-03	-4.02E-04		COMB2	-0.2182	-0.2222	-0.0205	-0.0165	-0.0051	0.0041
	0.50	COBERT	-1.81E-02	-1.36E-03	2.76E-04		COMB3	-0.2746	-0.2786	-0.0248	-0.0207	-0.0064	0.0049

RESULTADO DE ANALISIS ESTRUCTURAL - TECHO ARNAMENTAL (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames

ELE.	Stat.	OutputCase	P	V2	M3	ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
Text	m	Text	Ton	Ton	Ton-m								
717	0.00	CORREAS	-1.99E-02	-2.34E-03	-5.83E-04	717	COMB4	-0.0022	-0.0062	-0.0043	-0.0002	-0.0003	0.0008
	0.50	CORREAS	-1.99E-02	-2.34E-03	5.81E-04		COMB5	-0.1860	-0.1900	-0.0181	-0.0141	-0.0044	0.0036
	0.00	VIVA	-7.25E-02	-5.45E-03	-1.61E-03		COMB6	-0.0183	-0.0223	-0.0055	-0.0015	-0.0007	0.0010
	0.50	VIVA	-7.25E-02	-5.45E-03	1.11E-03		COMB7	-0.2128	-0.2423	-0.0191	-0.0180	-0.0049	0.0044
	0.00	VIENTO	-1.05E-01	-7.88E-03	-2.32E-03		COMB8	0.0596	0.0566	0.0014	0.0044	0.0011	-0.0003
	0.50	VIENTO	-1.05E-01	-7.88E-03	1.60E-03		COMB9	-0.1323	-0.1363	-0.0139	-0.0099	-0.0032	0.0030
	0.00	ESPECTRO	6.14E-03	6.34E-04	1.57E-04		COMB10	-0.0705	-0.0735	-0.0082	-0.0052	-0.0018	0.0019
	0.50	ESPECTRO	6.14E-03	6.34E-04	1.61E-04								
718	0.00	DEAD	-4.69E-02	-3.89E-03	-2.32E-04	718							
	0.50	DEAD	-5.02E-02	-5.25E-04	8.67E-04		COMB1	-0.1054	-0.1101	-0.0083	-0.0036	-0.0008	0.0022
	0.00	COBERT	-1.60E-02	-9.82E-04	-2.32E-04		COMB2	-0.1925	-0.1965	-0.0134	-0.0094	-0.0021	0.0035
	0.50	COBERT	-1.60E-02	-9.82E-04	2.57E-04		COMB3	-0.2422	-0.2462	-0.0165	-0.0124	-0.0028	0.0043
	0.00	CORREAS	-1.24E-02	-1.07E-03	-7.37E-05		COMB4	-0.0023	-0.0063	-0.0017	0.0023	0.0006	0.0005
	0.50	CORREAS	-1.24E-02	-1.07E-03	4.61E-04		COMB5	-0.1641	-0.1681	-0.0117	-0.0076	-0.0017	0.0031
	0.00	VIVA	-6.39E-02	-3.93E-03	-9.27E-04		COMB6	-0.0165	-0.0205	-0.0026	0.0014	0.0004	0.0007
	0.50	VIVA	-6.39E-02	-3.93E-03	1.03E-03		COMB7	-0.1877	-0.2143	-0.0127	-0.0105	-0.0022	0.0038
	0.00	VIENTO	-9.23E-02	-5.67E-03	-1.34E-03		COMB8	0.0522	0.0492	0.0020	0.0051	0.0013	-0.0005
	0.50	VIENTO	-9.23E-02	-5.67E-03	1.48E-03		COMB9	-0.1167	-0.1207	-0.0088	-0.0048	-0.0011	0.0025
	0.00	ESPECTRO	5.61E-03	3.06E-04	2.69E-05		COMB10	-0.0622	-0.0652	-0.0050	-0.0020	-0.0005	0.0016
	0.50	ESPECTRO	5.61E-03	3.06E-04	1.29E-04								
719	0.00	DEAD	-6.18E-02	-4.52E-03	-4.86E-04	719							
	0.50	DEAD	-6.52E-02	-1.16E-03	9.26E-04		COMB1	-0.1277	-0.1324	-0.0091	-0.0044	-0.0011	0.0023
	0.00	COBERT	-1.66E-02	-6.80E-04	-1.30E-04		COMB2	-0.2159	-0.2199	-0.0122	-0.0081	-0.0018	0.0033
	0.50	COBERT	-1.66E-02	-6.80E-04	2.08E-04		COMB3	-0.2676	-0.2716	-0.0143	-0.0102	-0.0022	0.0039
	0.00	CORREAS	-1.27E-02	-1.30E-03	-1.71E-04		COMB4	-0.0178	-0.0218	-0.0041	0.0000	-0.0002	0.0008
	0.50	CORREAS	-1.27E-02	-1.30E-03	4.76E-04		COMB5	-0.1863	-0.1903	-0.0109	-0.0069	-0.0015	0.0029
	0.00	VIVA	-6.65E-02	-2.72E-03	-5.20E-04		COMB6	-0.0326	-0.0366	-0.0047	-0.0006	-0.0003	0.0010
	0.50	VIVA	-6.65E-02	-2.72E-03	8.32E-04		COMB7	-0.2070	-0.2384	-0.0110	-0.0089	-0.0017	0.0035
	0.00	VIENTO	-9.61E-02	-3.93E-03	-7.51E-04		COMB8	0.0428	0.0398	-0.0007	0.0023	0.0003	-0.0001
	0.50	VIENTO	-9.61E-02	-3.93E-03	1.20E-03		COMB9	-0.1353	-0.1393	-0.0088	-0.0047	-0.0011	0.0025
	0.00	ESPECTRO	7.37E-03	3.80E-04	5.62E-05		COMB10	-0.0747	-0.0777	-0.0055	-0.0024	-0.0007	0.0016
	0.50	ESPECTRO	7.37E-03	3.80E-04	1.35E-04								
720	0.00	DEAD	-7.49E-02	-4.71E-03	-5.54E-04	720							
	0.50	DEAD	-7.83E-02	-1.34E-03	9.51E-04		COMB1	-0.1467	-0.1514	-0.0095	-0.0048	-0.0013	0.0023
	0.00	COBERT	-1.79E-02	-7.97E-04	-1.71E-04		COMB2	-0.2401	-0.2441	-0.0133	-0.0092	-0.0022	0.0034
	0.50	COBERT	-1.79E-02	-7.97E-04	2.25E-04		COMB3	-0.2957	-0.2997	-0.0157	-0.0117	-0.0027	0.0041
	0.00	CORREAS	-1.20E-02	-1.30E-03	-1.69E-04		COMB4	-0.0273	-0.0313	-0.0038	0.0003	-0.0001	0.0007
	0.50	CORREAS	-1.20E-02	-1.30E-03	4.77E-04		COMB5	-0.2084	-0.2124	-0.0119	-0.0078	-0.0019	0.0030
	0.00	VIVA	-7.15E-02	-3.19E-03	-6.86E-04		COMB6	-0.0432	-0.0471	-0.0045	-0.0004	-0.0003	0.0009
	0.50	VIVA	-7.15E-02	-3.19E-03	9.01E-04		COMB7	-0.2285	-0.2640	-0.0121	-0.0101	-0.0021	0.0037
	0.00	VIENTO	-1.03E-01	-4.61E-03	-9.90E-04		COMB8	0.0399	0.0369	-0.0001	0.0029	0.0005	-0.0002
	0.50	VIENTO	-1.03E-01	-4.61E-03	1.30E-03		COMB9	-0.1526	-0.1566	-0.0094	-0.0053	-0.0014	0.0026
	0.00	ESPECTRO	8.90E-03	4.03E-04	6.43E-05		COMB10	-0.0854	-0.0884	-0.0057	-0.0027	-0.0007	0.0016
	0.50	ESPECTRO	8.90E-03	4.03E-04	1.38E-04								
721	0.00	DEAD	-8.90E-02	-4.93E-03	-6.43E-04	721							
	0.50	DEAD	-9.24E-02	-1.56E-03	9.71E-04		COMB1	-0.1680	-0.1726	-0.0100	-0.0053	-0.0014	0.0024
	0.00	COBERT	-1.92E-02	-9.10E-04	-2.01E-04		COMB2	-0.2669	-0.2709	-0.0144	-0.0104	-0.0025	0.0037
	0.50	COBERT	-1.92E-02	-9.10E-04	2.51E-04		COMB3	-0.3267	-0.3307	-0.0172	-0.0132	-0.0031	0.0044
	0.00	CORREAS	-1.17E-02	-1.31E-03	-1.70E-04		COMB4	-0.0381	-0.0421	-0.0036	0.0005	-0.0001	0.0007
	0.50	CORREAS	-1.17E-02	-1.31E-03	4.80E-04		COMB5	-0.2328	-0.2368	-0.0128	-0.0087	-0.0021	0.0032
	0.00	VIVA	-7.68E-02	-3.64E-03	-8.05E-04		COMB6	-0.0552	-0.0592	-0.0044	-0.0003	-0.0003	0.0009
	0.50	VIVA	-7.68E-02	-3.64E-03	1.01E-03		COMB7	-0.2523	-0.2923	-0.0133	-0.0114	-0.0024	0.0039
	0.00	VIENTO	-1.11E-01	-5.26E-03	-1.16E-03		COMB8	0.0363	0.0333	0.0004	0.0034	0.0006	-0.0004
	0.50	VIENTO	-1.11E-01	-5.26E-03	1.45E-03		COMB9	-0.1718	-0.1758	-0.0100	-0.0059	-0.0015	0.0027
	0.00	ESPECTRO	1.06E-02	4.29E-04	7.46E-05		COMB10	-0.0974	-0.1004	-0.0060	-0.0030	-0.0008	0.0017
	0.50	ESPECTRO	1.06E-02	4.29E-04	1.40E-04								
723	0.00	DEAD	-1.03E-01	-5.18E-03	-7.60E-04	723							
	0.50	DEAD	-1.06E-01	-1.81E-03	9.79E-04		COMB1	-0.1884	-0.1930	-0.0107	-0.0059	-0.0017	0.0025
	0.00	COBERT	-2.05E-02	-1.10E-03	-2.42E-04		COMB2	-0.2924	-0.2964	-0.0162	-0.0121	-0.0030	0.0041
	0.50	COBERT	-2.05E-02	-1.10E-03	3.06E-04		COMB3	-0.3560	-0.3600	-0.0196	-0.0156	-0.0037	0.0050
	0.00	CORREAS	-1.13E-02	-1.33E-03	-1.79E-04		COMB4	-0.0487	-0.0527	-0.0031	0.0010	-0.0001	0.0004
	0.50	CORREAS	-1.13E-02	-1.33E-03	4.83E-04		COMB5	-0.2560	-0.2600	-0.0142	-0.0102	-0.0025	0.0035
	0.00	VIVA	-8.18E-02	-4.40E-03	-9.67E-04		COMB6	-0.0669	-0.0709	-0.0040	0.0000	-0.0003	0.0007
	0.50	VIVA	-8.18E-02	-4.40E-03	1.22E-03		COMB7	-0.2748	-0.3191	-0.0151	-0.0134	-0.0029	0.0044
	0.00	VIENTO	-1.18E-01	-6.36E-03	-1.40E-03		COMB8	0.0326	0.0296	0.0014	0.0045	0.0008	-0.0007
	0.50	VIENTO	-1.18E-01	-6.36E-03	1.77E-03		COMB9	-0.1902	-0.1942	-0.0109	-0.0068	-0.0018	0.0029
	0.00	ESPECTRO	1.21E-02	4.58E-04	8.86E-05		COMB10	-0.1089	-0.1119	-0.0064	-0.0034	-0.0010	0.0017
	0.50	ESPECTRO	1.21E-02	4.58E-04	1.41E-04								
724	0.00	DEAD	-1.23E-01	-6.34E-03	-9.33E-04	724							
	0.50	DEAD	-1.26E-01	-2.97E-03	1.38E-03		COMB1	-0.2296	-0.2343	-0.0145	-0.0098	-0.0021	0.0040
	0.00	COBERT	-2.66E-02	-2.04E-03	-3.11E-04		COMB2	-0.3668	-0.3707	-0.0255	-0.0214	-0.0038	0.0079
	0.50	COBERT	-2.66E-02	-2.04E-03	7.02E-04		COMB3	-0.4494	-0.4534	-0.0318	-0.0278	-0.0047	0.0101
	0.00	CORREAS	-1.45E-02	-1.97E-03	-2.29E-04		COMB4	-0.0504	-0.0544	-0.0012	0.0029	-0.0001	-0.0005
	0.50	CORREAS	-1.45E-02	-1.97E-03	7.52E-04		COMB5	-0.3196	-0.3236	-0.0218	-0.0178	-0.0032	0.0067
	0.00	VIVA	-1.06E-01	-8.15E-03	-1.25E-03		COMB6	-0.0740	-0.0780	-0.0030	0.0010	-0.0003	0.0002
	0.50	VIVA	-1.06E-01	-8.15E-03	2.81E-03		COMB7	-0.3471	-0.4003	-0.0246	-0.0237	-0.0037	0.0087

RESULTADO DE ANALISIS ESTRUCTURAL - TECHO ARNAMENTAL (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames													
ELE.	Stat.	OutputCase	P	V2	M3	ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
Text	m	Text	Ton	Ton	Ton-m								
	0.00	VIENTO	-1.53E-01	-1.18E-02	-1.80E-03		COMB8	0.0519	0.0489	0.0060	0.0090	0.0010	-0.0027
	0.50	VIENTO	-1.53E-01	-1.18E-02	4.06E-03		COMB9	-0.2353	-0.2393	-0.0159	-0.0119	-0.0023	0.0050
	0.00	ESPECTRO	1.46E-02	6.01E-04	1.08E-04		COMB10	-0.1330	-0.1360	-0.0087	-0.0057	-0.0012	0.0027
	0.50	ESPECTRO	1.46E-02	6.01E-04	1.91E-04								
	0.00	DEAD	3.26E-03	-5.83E-03	-1.05E-03								
	0.50	DEAD	-6.80E-05	-2.47E-03	1.01E-03		COMB1	0.0139	0.0092	-0.0130	-0.0082	-0.0027	0.0025
	0.00	COBERT	4.69E-03	-1.22E-03	-3.65E-04		COMB2	0.0419	0.0379	-0.0189	-0.0149	-0.0047	0.0037
	0.50	COBERT	4.69E-03	-1.22E-03	2.41E-04		COMB3	0.0565	0.0525	-0.0227	-0.0186	-0.0058	0.0045
	0.00	CORREAS	1.95E-03	-2.20E-03	-5.43E-04		COMB4	-0.0140	-0.0180	-0.0044	-0.0004	-0.0003	0.0008
747	0.50	CORREAS	1.95E-03	-2.20E-03	5.53E-04	747	COMB5	0.0336	0.0296	-0.0167	-0.0127	-0.0040	0.0033
	0.00	VIVA	1.88E-02	-4.87E-03	-1.46E-03		COMB6	-0.0098	-0.0138	-0.0055	-0.0014	-0.0007	0.0011
	0.50	VIVA	1.88E-02	-4.87E-03	9.62E-04		COMB7	0.0441	0.0431	-0.0175	-0.0162	-0.0045	0.0040
	0.00	VIENTO	2.71E-02	-7.04E-03	-2.11E-03		COMB8	-0.0263	-0.0293	0.0008	0.0038	0.0010	-0.0002
	0.50	VIENTO	2.71E-02	-7.04E-03	1.39E-03		COMB9	0.0235	0.0195	-0.0130	-0.0089	-0.0029	0.0028
	0.00	ESPECTRO	2.20E-03	5.84E-04	1.46E-04		COMB10	0.0111	0.0081	-0.0077	-0.0047	-0.0016	0.0018
	0.50	ESPECTRO	2.20E-03	5.84E-04	1.47E-04								
	0.00	DEAD	2.04E-03	-3.30E-03	-3.83E-05								
	0.50	DEAD	-1.29E-03	6.90E-05	7.65E-04		COMB1	0.0234	0.0187	-0.0068	-0.0020	-0.0002	0.0019
	0.00	COBERT	5.95E-03	-7.12E-04	-1.45E-04		COMB2	0.0581	0.0541	-0.0103	-0.0063	-0.0011	0.0030
	0.50	COBERT	5.95E-03	-7.12E-04	2.09E-04		COMB3	0.0766	0.0726	-0.0126	-0.0085	-0.0016	0.0037
	0.00	CORREAS	8.69E-03	-8.15E-04	1.08E-05		COMB4	-0.0128	-0.0168	-0.0019	0.0022	0.0006	0.0005
812	0.50	CORREAS	8.69E-03	-8.15E-04	4.16E-04	812	COMB5	0.0475	0.0435	-0.0091	-0.0050	-0.0009	0.0026
	0.00	VIVA	2.38E-02	-2.85E-03	-5.80E-04		COMB6	-0.0075	-0.0115	-0.0025	0.0015	0.0005	0.0007
	0.50	VIVA	2.38E-02	-2.85E-03	8.38E-04		COMB7	0.0597	0.0607	-0.0097	-0.0071	-0.0012	0.0032
	0.00	VIENTO	3.44E-02	-4.12E-03	-8.38E-04		COMB8	-0.0297	-0.0327	0.0010	0.0040	0.0009	-0.0003
	0.50	VIENTO	3.44E-02	-4.12E-03	1.21E-03		COMB9	0.0342	0.0302	-0.0070	-0.0029	-0.0005	0.0022
	0.00	ESPECTRO	2.33E-03	2.56E-04	2.46E-05		COMB10	0.0173	0.0143	-0.0041	-0.0011	-0.0001	0.0014
	0.50	ESPECTRO	2.33E-03	2.56E-04	1.20E-04								
	0.00	DEAD	-1.19E-02	-3.90E-03	-2.62E-04								
	0.50	DEAD	-1.52E-02	-5.33E-04	8.41E-04		COMB1	0.0040	-0.0007	-0.0075	-0.0027	-0.0005	0.0020
	0.00	COBERT	5.84E-03	-3.99E-04	-2.96E-05		COMB2	0.0408	0.0368	-0.0089	-0.0049	-0.0006	0.0028
	0.50	COBERT	5.84E-03	-3.99E-04	1.69E-04		COMB3	0.0590	0.0550	-0.0102	-0.0061	-0.0007	0.0033
	0.00	CORREAS	8.84E-03	-1.03E-03	-7.36E-05		COMB4	-0.0288	-0.0328	-0.0042	-0.0002	-0.0003	0.0008
824	0.50	CORREAS	8.84E-03	-1.03E-03	4.39E-04	824	COMB5	0.0304	0.0264	-0.0082	-0.0042	-0.0006	0.0025
	0.00	VIVA	2.34E-02	-1.59E-03	-1.19E-04		COMB6	-0.0236	-0.0276	-0.0046	-0.0005	-0.0003	0.0010
	0.50	VIVA	2.34E-02	-1.59E-03	6.75E-04		COMB7	0.0465	0.0433	-0.0078	-0.0053	-0.0006	0.0030
	0.00	VIENTO	3.38E-02	-2.30E-03	-1.71E-04		COMB8	-0.0414	-0.0444	-0.0018	0.0012	-0.0001	0.0000
	0.50	VIENTO	3.38E-02	-2.30E-03	9.75E-04		COMB9	0.0185	0.0145	-0.0069	-0.0028	-0.0005	0.0022
	0.00	ESPECTRO	3.46E-03	3.21E-04	4.26E-05		COMB10	0.0060	0.0030	-0.0045	-0.0014	-0.0003	0.0014
	0.50	ESPECTRO	3.46E-03	3.21E-04	1.27E-04								
	0.00	DEAD	-2.40E-02	-3.99E-03	-2.77E-04								
	0.50	DEAD	-2.73E-02	-6.22E-04	8.70E-04		COMB1	-0.0125	-0.0171	-0.0076	-0.0029	-0.0005	0.0021
	0.00	COBERT	5.07E-03	-4.67E-04	-4.64E-05		COMB2	0.0218	0.0178	-0.0095	-0.0055	-0.0007	0.0030
	0.50	COBERT	5.07E-03	-4.67E-04	1.86E-04		COMB3	0.0375	0.0335	-0.0110	-0.0069	-0.0009	0.0036
	0.00	CORREAS	1.00E-02	-9.86E-04	-4.88E-05		COMB4	-0.0386	-0.0426	-0.0040	0.0001	-0.0002	0.0008
845	0.50	CORREAS	1.00E-02	-9.86E-04	4.42E-04	845	COMB5	0.0127	0.0087	-0.0087	-0.0046	-0.0007	0.0027
	0.00	VIVA	2.03E-02	-1.87E-03	-1.86E-04		COMB6	-0.0341	-0.0381	-0.0044	-0.0003	-0.0002	0.0009
	0.50	VIVA	2.03E-02	-1.87E-03	7.43E-04		COMB7	0.0301	0.0234	-0.0084	-0.0060	-0.0007	0.0032
	0.00	VIENTO	2.93E-02	-2.70E-03	-2.68E-04		COMB8	-0.0461	-0.0491	-0.0014	0.0016	0.0000	0.0000
	0.50	VIENTO	2.93E-02	-2.70E-03	1.07E-03		COMB9	0.0042	0.0002	-0.0071	-0.0031	-0.0005	0.0023
	0.00	ESPECTRO	4.73E-03	3.33E-04	4.61E-05		COMB10	-0.0033	-0.0063	-0.0046	-0.0015	-0.0003	0.0015
	0.50	ESPECTRO	4.73E-03	3.33E-04	1.31E-04								
	0.00	DEAD	-3.72E-02	-4.12E-03	-3.15E-04								
	0.50	DEAD	-4.06E-02	-7.55E-04	8.98E-04		COMB1	-0.0313	-0.0360	-0.0078	-0.0031	-0.0006	0.0022
	0.00	COBERT	4.19E-03	-5.30E-04	-5.32E-05		COMB2	0.0000	-0.0040	-0.0101	-0.0061	-0.0008	0.0032
	0.50	COBERT	4.19E-03	-5.30E-04	2.11E-04		COMB3	0.0130	0.0090	-0.0118	-0.0077	-0.0010	0.0039
	0.00	CORREAS	1.06E-02	-9.54E-04	-2.82E-05		COMB4	-0.0500	-0.0540	-0.0038	0.0002	-0.0002	0.0007
846	0.50	CORREAS	1.06E-02	-9.54E-04	4.46E-04	846	COMB5	-0.0075	-0.0115	-0.0092	-0.0051	-0.0007	0.0028
	0.00	VIVA	1.68E-02	-2.12E-03	-2.13E-04		COMB6	-0.0462	-0.0502	-0.0043	-0.0002	-0.0002	0.0009
	0.50	VIVA	1.68E-02	-2.12E-03	8.43E-04		COMB7	0.0113	0.0006	-0.0090	-0.0067	-0.0008	0.0034
	0.00	VIENTO	2.42E-02	-3.06E-03	-3.07E-04		COMB8	-0.0516	-0.0546	-0.0011	0.0020	0.0000	-0.0002
	0.50	VIENTO	2.42E-02	-3.06E-03	1.22E-03		COMB9	-0.0123	-0.0163	-0.0074	-0.0034	-0.0005	0.0024
	0.00	ESPECTRO	6.21E-03	3.50E-04	5.17E-05		COMB10	-0.0139	-0.0169	-0.0047	-0.0017	-0.0003	0.0015
	0.50	ESPECTRO	6.21E-03	3.50E-04	1.34E-04								
	0.00	DEAD	-5.05E-02	-4.29E-03	-3.79E-04								
	0.50	DEAD	-5.38E-02	-9.28E-04	9.20E-04		COMB1	-0.0503	-0.0549	-0.0082	-0.0035	-0.0006	0.0023
	0.00	COBERT	3.28E-03	-6.55E-04	-6.68E-05		COMB2	-0.0221	-0.0261	-0.0113	-0.0072	-0.0010	0.0036
	0.50	COBERT	3.28E-03	-6.55E-04	2.59E-04		COMB3	-0.0119	-0.0159	-0.0133	-0.0093	-0.0012	0.0044
	0.00	CORREAS	1.13E-02	-9.40E-04	-1.33E-05		COMB4	-0.0612	-0.0652	-0.0035	0.0006	-0.0002	0.0005
867	0.50	CORREAS	1.13E-02	-9.40E-04	4.54E-04	867	COMB5	-0.0279	-0.0319	-0.0101	-0.0061	-0.0009	0.0032
	0.00	VIVA	1.31E-02	-2.62E-03	-2.67E-04		COMB6	-0.0582	-0.0622	-0.0040	0.0000	-0.0002	0.0008
	0.50	VIVA	1.31E-02	-2.62E-03	1.04E-03		COMB7	-0.0077	-0.0224	-0.0102	-0.0080	-0.0009	0.0039
	0.00	VIENTO	1.90E-02	-3.79E-03	-3.86E-04		COMB8	-0.0569	-0.0599	-0.0004	0.0027	0.0001	-0.0005
	0.50	VIENTO	1.90E-02	-3.79E-03	1.50E-03		COMB9	-0.0288	-0.0328	-0.0080	-0.0040	-0.0006	0.0026
	0.00	ESPECTRO	7.72E-03	3.68E-04	5.96E-05		COMB10	-0.0246	-0.0276	-0.0049	-0.0019	-0.0004	0.0016
	0.50	ESPECTRO	7.72E-03	3.68E-04	1.35E-04								

' RESULTADO DE ANALISIS ESTRUCTURAL - TECHO ARNAMENTAL (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames

ELE.	Stat.	OutputCase	P	V2	M3
Text	m	Text	Ton	Ton	Ton-m
887	0.00	DEAD	-6.84E-02	-5.17E-03	-4.92E-04
	0.50	DEAD	-7.18E-02	-1.80E-03	1.24E-03
	0.00	COBERT	-1.19E-03	-1.36E-03	-1.07E-04
	0.50	COBERT	-1.19E-03	-1.36E-03	5.70E-04
	0.00	CORREAS	9.13E-03	-1.41E-03	-3.33E-05
	0.50	CORREAS	9.13E-03	-1.41E-03	6.69E-04
	0.00	VIVA	-4.76E-03	-5.44E-03	-4.26E-04
	0.50	VIVA	-4.76E-03	-5.44E-03	2.28E-03
	0.00	VIENTO	-6.87E-03	-7.86E-03	-6.16E-04
	0.50	VIENTO	-6.87E-03	-7.86E-03	3.29E-03
	0.00	ESPECTRO	9.83E-03	5.10E-04	7.83E-05
	0.50	ESPECTRO	9.83E-03	5.10E-04	1.85E-04
2098	0.00	DEAD	-2.50E-02	-1.62E-03	2.12E-04
	0.51	DEAD	-2.16E-02	1.83E-03	1.60E-04
	0.00	COBERT	-4.62E-02	3.06E-04	3.10E-04
	0.51	COBERT	-4.62E-02	3.06E-04	1.55E-04
	0.00	CORREAS	2.19E-02	-5.80E-05	1.11E-04
	0.51	CORREAS	2.19E-02	-5.80E-05	1.41E-04
	0.00	VIVA	-1.85E-01	1.23E-03	1.24E-03
	0.51	VIVA	-1.85E-01	1.23E-03	6.19E-04
	0.00	VIENTO	-2.67E-01	1.77E-03	1.79E-03
	0.51	VIENTO	-2.67E-01	1.77E-03	8.95E-04
	0.00	ESPECTRO	5.87E-03	1.62E-04	3.75E-05
	0.51	ESPECTRO	5.87E-03	1.62E-04	1.15E-04
2080	0.00	DEAD	-2.91E-02	-9.30E-04	1.95E-04
	0.51	DEAD	-2.56E-02	2.33E-03	-1.59E-04
	0.00	COBERT	-2.70E-02	5.06E-04	2.45E-04
	0.51	COBERT	-2.70E-02	5.06E-04	-1.20E-05
	0.00	CORREAS	3.92E-03	-8.39E-05	1.01E-04
	0.51	CORREAS	3.92E-03	-8.39E-05	1.43E-04
	0.00	VIVA	-1.08E-01	2.02E-03	9.79E-04
	0.51	VIVA	-1.08E-01	2.02E-03	-4.79E-05
	0.00	VIENTO	-1.56E-01	2.92E-03	1.41E-03
	0.51	VIENTO	-1.56E-01	2.92E-03	-6.91E-05
	0.00	ESPECTRO	4.82E-03	1.18E-04	5.54E-05
	0.51	ESPECTRO	4.82E-03	1.18E-04	4.97E-05
2081	0.00	DEAD	-3.25E-02	-8.33E-04	2.31E-04
	0.51	DEAD	-2.90E-02	2.52E-03	-1.98E-04
	0.00	COBERT	-3.74E-02	7.75E-04	3.31E-04
	0.51	COBERT	-3.74E-02	7.75E-04	-6.24E-05
	0.00	CORREAS	2.64E-02	-3.93E-05	1.02E-04
	0.51	CORREAS	2.64E-02	-3.93E-05	1.22E-04
	0.00	VIVA	-1.49E-01	3.10E-03	1.32E-03
	0.51	VIVA	-1.49E-01	3.10E-03	-2.49E-04
	0.00	VIENTO	-2.16E-01	4.48E-03	1.91E-03
	0.51	VIENTO	-2.16E-01	4.48E-03	-3.60E-04
	0.00	ESPECTRO	5.95E-03	1.56E-04	6.27E-05
	0.51	ESPECTRO	5.95E-03	1.56E-04	5.12E-05
2058	0.00	DEAD	-1.27E-02	-1.41E-03	-7.19E-06
	0.51	DEAD	-8.78E-03	1.43E-03	-1.26E-05
	0.00	COBERT	-5.44E-03	-1.25E-05	4.46E-05
	0.51	COBERT	-5.44E-03	-1.25E-05	5.10E-05
	0.00	CORREAS	-1.65E-02	-2.10E-04	7.58E-05
	0.51	CORREAS	-1.65E-02	-2.10E-04	1.83E-04
	0.00	VIVA	-2.17E-02	-5.01E-05	1.78E-04
	0.51	VIVA	-2.17E-02	-5.01E-05	2.04E-04
	0.00	VIENTO	-3.14E-02	-7.24E-05	2.57E-04
	0.51	VIENTO	-3.14E-02	-7.24E-05	2.94E-04
	0.00	ESPECTRO	3.91E-03	7.78E-05	1.74E-05
	0.51	ESPECTRO	3.91E-03	7.78E-05	5.19E-05
2059	0.00	DEAD	-1.47E-02	-1.23E-03	6.93E-05
	0.51	DEAD	-1.08E-02	1.72E-03	-5.58E-05
	0.00	COBERT	-8.40E-03	1.21E-04	9.36E-05
	0.51	COBERT	-8.40E-03	1.21E-04	3.19E-05
	0.00	CORREAS	3.63E-03	4.33E-05	1.47E-04
	0.51	CORREAS	3.63E-03	4.33E-05	1.25E-04
	0.00	VIVA	-3.36E-02	4.84E-04	3.74E-04
	0.51	VIVA	-3.36E-02	4.84E-04	1.28E-04
	0.00	VIENTO	-4.85E-02	6.99E-04	5.41E-04
	0.51	VIENTO	-4.85E-02	6.99E-04	1.84E-04
	0.00	ESPECTRO	3.28E-03	6.85E-05	3.27E-05
	0.51	ESPECTRO	3.28E-03	6.85E-05	4.41E-05
	0.00	DEAD	-1.92E-02	-1.19E-03	8.14E-05
	0.51	DEAD	-1.55E-02	1.87E-03	-9.14E-05
	0.00	COBERT	-1.27E-02	2.08E-04	1.22E-04
	0.51	COBERT	-1.27E-02	2.08E-04	1.60E-05

ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
887	COMB1	-0.0847	-0.0894	-0.0111	-0.0064	-0.0009	0.0035
	COMB2	-0.0802	-0.0842	-0.0182	-0.0142	-0.0014	0.0066
	COMB3	-0.0839	-0.0879	-0.0225	-0.0184	-0.0018	0.0084
	COMB4	-0.0660	-0.0700	-0.0020	0.0020	-0.0002	-0.0002
	COMB5	-0.0781	-0.0821	-0.0158	-0.0118	-0.0013	0.0056
	COMB6	-0.0671	-0.0711	-0.0032	0.0008	-0.0003	0.0003
	COMB7	-0.0634	-0.0855	-0.0174	-0.0157	-0.0014	0.0073
	COMB8	-0.0455	-0.0485	0.0031	0.0061	0.0002	-0.0020
	COMB9	-0.0651	-0.0691	-0.0117	-0.0077	-0.0009	0.0043
	COMB10	-0.0446	-0.0476	-0.0066	-0.0036	-0.0005	0.0024
2098	COMB1	-0.0690	-0.0643	-0.0019	0.0029	0.0009	0.0006
	COMB2	-0.3547	-0.3506	0.0003	0.0045	0.0027	0.0015
	COMB3	-0.4984	-0.4943	0.0013	0.0054	0.0037	0.0020
	COMB4	0.1954	0.1995	-0.0033	0.0008	-0.0009	-0.0003
	COMB5	-0.2726	-0.2686	-0.0002	0.0039	0.0022	0.0013
	COMB6	0.1544	0.1584	-0.0031	0.0011	-0.0007	-0.0002
	COMB7	-0.3913	-0.4020	0.0011	0.0048	0.0029	0.0017
	COMB8	0.3026	0.3056	-0.0035	-0.0004	-0.0018	-0.0008
	COMB9	-0.1456	-0.1416	-0.0009	0.0033	0.0014	0.0010
	COMB10	-0.0385	-0.0354	-0.0011	0.0020	0.0006	0.0005
2080	COMB1	-0.0731	-0.0681	-0.0007	0.0039	0.0008	0.0000
	COMB2	-0.2355	-0.2312	0.0026	0.0065	0.0022	-0.0001
	COMB3	-0.3196	-0.3153	0.0042	0.0081	0.0030	-0.0001
	COMB4	0.0862	0.0905	-0.0034	0.0005	-0.0007	0.0000
	COMB5	-0.1875	-0.1832	0.0017	0.0056	0.0018	-0.0001
	COMB6	0.0622	0.0665	-0.0029	0.0010	-0.0005	0.0000
	COMB7	-0.2499	-0.2613	0.0033	0.0071	0.0023	-0.0001
	COMB8	0.1559	0.1591	-0.0043	-0.0013	-0.0014	0.0001
	COMB9	-0.1119	-0.1076	0.0005	0.0044	0.0012	0.0000
	COMB10	-0.0422	-0.0390	-0.0003	0.0026	0.0005	0.0000
2081	COMB1	-0.0609	-0.0560	-0.0001	0.0046	0.0009	-0.0002
	COMB2	-0.2914	-0.2872	0.0048	0.0089	0.0029	-0.0006
	COMB3	-0.4077	-0.4035	0.0073	0.0113	0.0039	-0.0008
	COMB4	0.1538	0.1580	-0.0044	-0.0004	-0.0010	0.0002
	COMB5	-0.2250	-0.2208	0.0035	0.0075	0.0023	-0.0005
	COMB6	0.1206	0.1247	-0.0037	0.0003	-0.0007	0.0001
	COMB7	-0.3199	-0.3288	0.0057	0.0097	0.0031	-0.0006
	COMB8	0.2416	0.2447	-0.0059	-0.0029	-0.0019	0.0003
	COMB9	-0.1210	-0.1168	0.0016	0.0056	0.0015	-0.0002
	COMB10	-0.0332	-0.0301	0.0001	0.0031	0.0007	-0.0001
2058	COMB1	-0.0486	-0.0430	-0.0023	0.0017	0.0002	0.0003
	COMB2	-0.0764	-0.0717	-0.0020	0.0014	0.0004	0.0006
	COMB3	-0.0933	-0.0886	-0.0021	0.0013	0.0006	0.0008
	COMB4	-0.0117	-0.0069	-0.0019	0.0015	-0.0001	0.0000
	COMB5	-0.0668	-0.0620	-0.0020	0.0014	0.0003	0.0005
	COMB6	-0.0165	-0.0118	-0.0019	0.0015	-0.0001	0.0000
	COMB7	-0.0721	-0.0777	-0.0016	0.0014	0.0004	0.0006
	COMB8	0.0096	0.0132	-0.0014	0.0012	-0.0002	-0.0002
	COMB9	-0.0486	-0.0439	-0.0019	0.0015	0.0002	0.0004
	COMB10	-0.0273	-0.0238	-0.0014	0.0012	0.0001	0.0003
2059	COMB1	-0.0273	-0.0219	-0.0015	0.0026	0.0004	0.0001
	COMB2	-0.0771	-0.0725	-0.0005	0.0030	0.0010	0.0003
	COMB3	-0.1032	-0.0986	-0.0001	0.0034	0.0013	0.0004
	COMB4	0.0229	0.0276	-0.0019	0.0016	-0.0001	-0.0001
	COMB5	-0.0622	-0.0576	-0.0007	0.0028	0.0008	0.0003
	COMB6	0.0155	0.0201	-0.0018	0.0017	-0.0001	0.0000
	COMB7	-0.0806	-0.0818	-0.0001	0.0032	0.0010	0.0004
	COMB8	0.0456	0.0490	-0.0019	0.0008	-0.0004	-0.0001
	COMB9	-0.0369	-0.0323	-0.0010	0.0026	0.0006	0.0002
	COMB10	-0.0142	-0.0108	-0.0009	0.0018	0.0003	0.0001
	COMB1	-0.0543	-0.0491	-0.0015	0.0027	0.0004	0.0001
	COMB2	-0.1281	-0.1236	0.0000	0.0037	0.0011	0.0002
	COMB3	-0.1677	-0.1632	0.0006	0.0043	0.0015	0.0003

RESULTADO DE ANALISIS ESTRUCTURAL - TECHO ARNAMENTAL (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames													
ELE.	Stat.	OutputCase	P	V2	M3	ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
Text	m	Text	Ton	Ton	Ton-m								
2060	0.00	CORREAS	-6.84E-03	-1.23E-04	9.88E-05	2060	COMB4	0.0236	0.0281	-0.0025	0.0012	-0.0003	0.0000
	0.51	CORREAS	-6.84E-03	-1.23E-04	1.61E-04		COMB5	-0.1054	-0.1009	-0.0004	0.0033	0.0009	0.0002
	0.00	VIVA	-5.09E-02	8.30E-04	4.87E-04		COMB6	0.0123	0.0168	-0.0023	0.0014	-0.0002	0.0000
	0.51	VIVA	-5.09E-02	8.30E-04	6.40E-05		COMB7	-0.1306	-0.1377	0.0006	0.0039	0.0012	0.0002
	0.00	VIENTO	-7.36E-02	1.20E-03	7.03E-04		COMB8	0.0607	0.0641	-0.0026	0.0002	-0.0006	0.0000
	0.51	VIENTO	-7.36E-02	1.20E-03	9.24E-05		COMB9	-0.0688	-0.0643	-0.0008	0.0028	0.0006	0.0002
	0.00	ESPECTRO	3.23E-03	6.46E-05	4.20E-05		COMB10	-0.0317	-0.0283	-0.0009	0.0018	0.0003	0.0001
	0.51	ESPECTRO	3.23E-03	6.46E-05	4.26E-05								
2061	0.00	DEAD	-2.57E-02	-1.09E-03	1.32E-04	2061							
	0.51	DEAD	-2.21E-02	2.07E-03	-1.15E-04		COMB1	-0.0443	-0.0392	-0.0011	0.0033	0.0006	0.0000
	0.00	COBERT	-1.89E-02	3.09E-04	1.71E-04		COMB2	-0.1592	-0.1548	0.0010	0.0048	0.0016	0.0001
	0.51	COBERT	-1.89E-02	3.09E-04	1.45E-05		COMB3	-0.2181	-0.2137	0.0020	0.0058	0.0021	0.0002
	0.00	CORREAS	1.30E-02	-4.08E-06	1.29E-04		COMB4	0.0664	0.0708	-0.0026	0.0011	-0.0004	0.0000
	0.51	CORREAS	1.30E-02	-4.08E-06	1.31E-04		COMB5	-0.1255	-0.1211	0.0005	0.0043	0.0013	0.0001
	0.00	VIVA	-7.57E-02	1.23E-03	6.85E-04		COMB6	0.0496	0.0539	-0.0024	0.0014	-0.0003	0.0000
	0.51	VIVA	-7.57E-02	1.23E-03	5.80E-05		COMB7	-0.1707	-0.1758	0.0016	0.0052	0.0017	0.0001
	0.00	VIENTO	-1.09E-01	1.78E-03	9.90E-04		COMB8	0.1138	0.1171	-0.0030	-0.0002	-0.0009	-0.0001
	0.51	VIENTO	-1.09E-01	1.78E-03	8.38E-05		COMB9	-0.0719	-0.0675	-0.0002	0.0035	0.0009	0.0001
	0.00	ESPECTRO	3.99E-03	8.67E-05	4.65E-05		COMB10	-0.0245	-0.0212	-0.0006	0.0022	0.0004	0.0001
	0.51	ESPECTRO	3.99E-03	8.67E-05	4.69E-05								
2037	0.00	DEAD	-1.67E-03	-1.37E-03	-8.90E-05	2037							
	0.52	DEAD	2.66E-03	1.01E-03	3.35E-06		COMB1	-0.0784	-0.0724	-0.0020	0.0013	0.0000	0.0002
	0.00	COBERT	-8.62E-03	-4.48E-05	1.32E-05		COMB2	-0.1224	-0.1172	-0.0020	0.0008	0.0001	0.0004
	0.52	COBERT	-8.62E-03	-4.48E-05	3.65E-05		COMB3	-0.1492	-0.1440	-0.0022	0.0007	0.0001	0.0005
	0.00	CORREAS	-4.57E-02	-4.56E-05	4.74E-05		COMB4	-0.0197	-0.0145	-0.0015	0.0014	-0.0001	-0.0001
	0.52	CORREAS	-4.57E-02	-4.56E-05	7.11E-05		COMB5	-0.1071	-0.1019	-0.0020	0.0009	0.0000	0.0003
	0.00	VIVA	-3.45E-02	-1.79E-04	5.28E-05		COMB6	-0.0274	-0.0222	-0.0015	0.0013	-0.0001	0.0000
	0.52	VIVA	-3.45E-02	-1.79E-04	1.46E-04		COMB7	-0.1151	-0.1268	-0.0016	0.0008	0.0001	0.0004
	0.00	VIENTO	-4.98E-02	-2.59E-04	7.63E-05		COMB8	0.0143	0.0182	-0.0010	0.0012	-0.0001	-0.0002
	0.52	VIENTO	-4.98E-02	-2.59E-04	2.11E-04		COMB9	-0.0760	-0.0708	-0.0018	0.0011	0.0000	0.0002
	0.00	ESPECTRO	8.43E-03	4.62E-05	1.18E-05		COMB10	-0.0420	-0.0381	-0.0013	0.0009	0.0000	0.0001
	0.52	ESPECTRO	8.43E-03	4.62E-05	2.97E-05								
2038	0.00	DEAD	-7.96E-03	-1.91E-03	-1.76E-04	2038							
	0.52	DEAD	-3.73E-03	5.74E-04	1.69E-04		COMB1	-0.0591	-0.0532	-0.0034	0.0001	-0.0002	0.0006
	0.00	COBERT	-3.76E-03	-2.65E-04	-2.43E-05		COMB2	-0.0747	-0.0697	-0.0046	-0.0016	-0.0004	0.0013
	0.52	COBERT	-3.76E-03	-2.65E-04	1.12E-04		COMB3	-0.0864	-0.0814	-0.0055	-0.0025	-0.0004	0.0016
	0.00	CORREAS	-3.05E-02	-2.70E-04	2.94E-05		COMB4	-0.0299	-0.0248	-0.0015	0.0015	-0.0001	-0.0001
	0.52	CORREAS	-3.05E-02	-2.70E-04	1.69E-04		COMB5	-0.0680	-0.0630	-0.0042	-0.0012	-0.0003	0.0011
	0.00	VIVA	-1.51E-02	-1.06E-03	-9.72E-05		COMB6	-0.0333	-0.0282	-0.0017	0.0013	-0.0001	0.0000
	0.52	VIVA	-1.51E-02	-1.06E-03	4.49E-04		COMB7	-0.0663	-0.0738	-0.0042	-0.0019	-0.0003	0.0014
	0.00	VIENTO	-2.17E-02	-1.53E-03	-1.40E-04		COMB8	-0.0097	-0.0059	-0.0002	0.0020	0.0000	-0.0004
	0.52	VIENTO	-2.17E-02	-1.53E-03	6.48E-04		COMB9	-0.0511	-0.0460	-0.0033	-0.0004	-0.0002	0.0008
	0.00	ESPECTRO	7.07E-03	1.16E-04	1.09E-05		COMB10	-0.0309	-0.0271	-0.0021	0.0002	-0.0001	0.0005
	0.52	ESPECTRO	7.07E-03	1.16E-04	5.20E-05								
2039	0.00	DEAD	-9.24E-03	-1.48E-03	-4.51E-05	2039							
	0.51	DEAD	-5.10E-03	1.14E-03	4.17E-05		COMB1	-0.0760	-0.0702	-0.0025	0.0012	0.0001	0.0004
	0.00	COBERT	-3.82E-03	-7.32E-05	2.51E-05		COMB2	-0.0896	-0.0846	-0.0026	0.0006	0.0002	0.0007
	0.51	COBERT	-3.82E-03	-7.32E-05	6.28E-05		COMB3	-0.1014	-0.0965	-0.0028	0.0003	0.0003	0.0009
	0.00	CORREAS	-4.12E-02	-1.99E-04	7.18E-05		COMB4	-0.0441	-0.0391	-0.0017	0.0014	-0.0001	0.0000
	0.51	CORREAS	-4.12E-02	-1.99E-04	1.74E-04		COMB5	-0.0828	-0.0778	-0.0024	0.0007	0.0002	0.0006
	0.00	VIVA	-1.53E-02	-2.93E-04	1.01E-04		COMB6	-0.0475	-0.0425	-0.0018	0.0014	-0.0001	0.0000
	0.51	VIVA	-1.53E-02	-2.93E-04	2.51E-04		COMB7	-0.0775	-0.0888	-0.0021	0.0005	0.0002	0.0008
	0.00	VIENTO	-2.21E-02	-4.23E-04	1.45E-04		COMB8	-0.0201	-0.0164	-0.0010	0.0013	-0.0001	-0.0002
	0.51	VIENTO	-2.21E-02	-4.23E-04	3.63E-04		COMB9	-0.0669	-0.0619	-0.0022	0.0010	0.0001	0.0005
	0.00	ESPECTRO	5.87E-03	7.93E-05	9.67E-06		COMB10	-0.0430	-0.0392	-0.0015	0.0009	0.0001	0.0003
	0.51	ESPECTRO	5.87E-03	7.93E-05	4.66E-05								
2040	0.00	DEAD	-7.22E-03	-1.48E-03	-5.13E-05	2040							
	0.51	DEAD	-3.18E-03	1.25E-03	8.05E-06		COMB1	-0.0202	-0.0145	-0.0023	0.0015	0.0001	0.0003
	0.00	COBERT	-3.06E-03	-5.24E-05	2.64E-05		COMB2	-0.0369	-0.0321	-0.0023	0.0010	0.0003	0.0006
	0.51	COBERT	-3.06E-03	-5.24E-05	5.33E-05		COMB3	-0.0465	-0.0416	-0.0025	0.0008	0.0003	0.0008
	0.00	CORREAS	-4.13E-03	-1.09E-04	9.50E-05		COMB4	-0.0004	0.0044	-0.0017	0.0016	-0.0001	0.0000
	0.51	CORREAS	-4.13E-03	-1.09E-04	1.51E-04		COMB5	-0.0315	-0.0266	-0.0022	0.0011	0.0002	0.0005
	0.00	VIVA	-1.23E-02	-2.10E-04	1.06E-04		COMB6	-0.0031	0.0017	-0.0017	0.0016	0.0000	0.0000
	0.51	VIVA	-1.23E-02	-2.10E-04	2.13E-04		COMB7	-0.0360	-0.0355	-0.0019	0.0009	0.0003	0.0007
	0.00	VIENTO	-1.77E-02	-3.03E-04	1.53E-04		COMB8	0.0101	0.0137	-0.0011	0.0014	-0.0001	-0.0002
	0.51	VIENTO	-1.77E-02	-3.03E-04	3.08E-04		COMB9	-0.0188	-0.0139	-0.0020	0.0013	0.0001	0.0004
	0.00	ESPECTRO	4.63E-03	7.94E-05	1.14E-05		COMB10	-0.0083	-0.0047	-0.0014	0.0011	0.0001	0.0002
	0.51	ESPECTRO	4.63E-03	7.94E-05	4.94E-05								
2008	0.00	DEAD	-1.54E-02	4.88E-04	7.00E-04	2008							
	0.53	DEAD	-1.08E-02	2.47E-03	-7.89E-05		COMB1	-0.1431	-0.1366	0.0033	0.0061	0.0022	-0.0002
	0.00	COBERT	-2.88E-02	7.45E-04	3.54E-04		COMB2	-0.3068	-0.3013	0.0076	0.0100	0.0042	-0.0005
	0.53	COBERT	-2.88E-02	7.45E-04	-3.83E-05		COMB3	-0.3964	-0.3909	0.0099	0.0123	0.0053	-0.0006
	0.00	CORREAS	-5.80E-02	1.15E-03	5.50E-04		COMB4	0.0360	0.0415	-0.0012	0.0011	0.0000	0.0000
	0.53	CORREAS	-5.80E-02	1.15E-03	-5.64E-05		COMB5	-0.2557	-0.2502	0.0063	0.0087	0.0036	-0.0004
	0.00	VIVA	-1.15E-01	2.98E-03	1.42E-03		COMB6	0.0104	0.0159	-0.0006	0.0018	0.0003	0.0000
	0.53	VIVA	-1.15E-01	2.98E-03	-1.53E-04		COMB7	-0.3082	-0.3333	0.0077	0.0108	0.0041	-0.0005

RESULTADO DE ANALISIS ESTRUCTURAL - TECHO ARNAMENTAL (EXPORTACION SAP 2000)

TABLE: Element Forces - Frames

ELE.	Stat.	OutputCase	P	V2	M3
Text	m	Text	Ton	Ton	Ton-m
	0.00	VIENTO	-1.66E-01	4.30E-03	2.05E-03
	0.53	VIENTO	-1.66E-01	4.30E-03	-2.21E-04
	0.00	ESPECTRO	1.21E-02	3.27E-04	1.16E-04
	0.53	ESPECTRO	1.21E-02	3.27E-04	6.99E-05
	0.00	DEAD	-3.89E-03	-8.54E-04	-1.09E-04
	0.52	DEAD	6.33E-04	1.26E-03	-2.16E-04
	0.00	COBERT	-1.88E-02	1.90E-04	8.28E-06
	0.52	COBERT	-1.88E-02	1.90E-04	-9.11E-05
	0.00	CORREAS	-5.52E-02	4.00E-04	5.47E-05
2009	0.52	CORREAS	-5.52E-02	4.00E-04	-1.55E-04
	0.00	VIVA	-7.53E-02	7.58E-04	3.31E-05
	0.52	VIVA	-7.53E-02	7.58E-04	-3.64E-04
	0.00	VIENTO	-1.09E-01	1.10E-03	4.79E-05
	0.52	VIENTO	-1.09E-01	1.10E-03	-5.26E-04
	0.00	ESPECTRO	1.08E-02	1.32E-04	3.08E-05
	0.52	ESPECTRO	1.08E-02	1.32E-04	4.30E-05
	0.00	DEAD	-1.22E-03	-1.10E-03	-8.06E-05
	0.52	DEAD	3.20E-03	1.15E-03	-9.39E-05
	0.00	COBERT	-1.30E-02	6.59E-05	1.72E-05
	0.52	COBERT	-1.30E-02	6.59E-05	-1.72E-05
	0.00	CORREAS	-3.60E-02	2.27E-04	6.59E-05
2010	0.52	CORREAS	-3.60E-02	2.27E-04	-5.24E-05
	0.00	VIVA	-5.19E-02	2.64E-04	6.86E-05
	0.52	VIVA	-5.19E-02	2.64E-04	-6.89E-05
	0.00	VIENTO	-7.50E-02	3.81E-04	9.92E-05
	0.52	VIENTO	-7.50E-02	3.81E-04	-9.95E-05
	0.00	ESPECTRO	9.92E-03	4.30E-05	1.74E-05
	0.52	ESPECTRO	9.92E-03	4.30E-05	1.78E-05

ELE.	COMB	Pu_1 (Ton)	Pu_2 (Ton)	$V2_1$ (Ton)	$V2_2$ (Ton)	Mu_1 (Ton.m)	Mu_2 (Ton.m)
	COMB8	0.1242	0.1284	-0.0034	-0.0017	-0.0012	0.0001
	COMB9	-0.1681	-0.1626	0.0047	0.0070	0.0027	-0.0002
	COMB10	-0.0799	-0.0757	0.0025	0.0043	0.0016	-0.0001
	COMB1	-0.1091	-0.1028	-0.0004	0.0026	-0.0001	-0.0006
	COMB2	-0.2141	-0.2086	0.0009	0.0034	0.0000	-0.0011
	COMB3	-0.2727	-0.2672	0.0015	0.0040	0.0000	-0.0014
	COMB4	0.0103	0.0157	-0.0014	0.0012	-0.0001	-0.0001
2009	COMB5	-0.1806	-0.1752	0.0006	0.0031	0.0000	-0.0010
	COMB6	-0.0065	-0.0010	-0.0012	0.0013	-0.0001	-0.0001
	COMB7	-0.2116	-0.2296	0.0012	0.0036	0.0000	-0.0012
	COMB8	0.0713	0.0754	-0.0017	0.0002	-0.0001	0.0003
	COMB9	-0.1204	-0.1150	0.0002	0.0027	0.0000	-0.0007
	COMB10	-0.0594	-0.0553	-0.0001	0.0018	0.0000	-0.0004
	COMB1	-0.0703	-0.0641	-0.0011	0.0020	0.0000	-0.0002
	COMB2	-0.1432	-0.1379	-0.0005	0.0022	0.0001	-0.0003
	COMB3	-0.1836	-0.1783	-0.0003	0.0024	0.0002	-0.0004
	COMB4	0.0113	0.0166	-0.0013	0.0014	-0.0001	-0.0001
2010	COMB5	-0.1202	-0.1149	-0.0007	0.0020	0.0001	-0.0003
	COMB6	-0.0003	0.0051	-0.0013	0.0014	-0.0001	-0.0001
	COMB7	-0.1426	-0.1524	-0.0002	0.0022	0.0001	-0.0003
	COMB8	0.0523	0.0563	-0.0012	0.0008	-0.0001	0.0000
	COMB9	-0.0762	-0.0709	-0.0008	0.0019	0.0001	-0.0002
	COMB10	-0.0352	-0.0313	-0.0007	0.0013	0.0000	-0.0001

BRIDAS SUPERIORES						
MAX. VALOR:	1.8140	1.8181	0.1842	0.1882	0.0201	0.0400
MIN. VALOR:	-4.9048	-4.9048	-0.2729	-0.2689	-0.0953	-0.0915
BRIDAS INFERIORES						
MAX. VALOR:	0.9938	0.9933	0.0322	0.0343	0.0115	0.0227
MIN. VALOR:	-3.9617	-3.9624	-0.1586	-0.1557	-0.0547	-0.0048
MONTANTES						
MAX. VALOR:	1.2230	1.2189	0.0508	0.0508	0.0088	0.0097
MIN. VALOR:	-0.4799	-0.4840	-0.0727	-0.0727	-0.0117	-0.0092
DIAGONALES						
MAX. VALOR:	0.6163	0.6217	0.0151	0.0191	0.0070	0.0101
MIN. VALOR:	-1.0366	-1.0325	-0.0318	-0.0278	-0.0064	-0.0041

ANEXO VI

DISEÑO DE CORREAS METALICAS CON CRITERIO ASD

Diseño Estructural de Correas Metálicas por el Método ASD

Brida Superior

Datos del Elemento:

Esfuerzo de Fluencia (kg/cm2):	$fy := 4200$
Módulo de Elásticidad (kg/cm2):	$E := 2040000$
Coeficiente de Esbeltez:	$k := 0.50$
Longitud del Elemento (cm):	$L := 49.50$
Radio de Giro (cm):	$r := 0.316$
Sección del Elemento (cm2):	$Ag := 1.27$
Esfuerzo Axial Último (kg):	$Pu := 915.35$
Momento Flector Último (kg.cm):	$Mu := 44.56$
Cortante Ultimo (kg):	$Vu := 1.43$
Momento de Inercia (cm4):	$I := 0.128$
Distancia de la fibra extrema al eje neutro (cm):	$c := 0.635$

a. Diseño a Tensión

Determinamos la relación de Esbeltez Cc

$$cc := \left[\frac{\left(2\cdot 3.1416^2 E\right)}{fy}\right]^{0.5} = 97.917$$

Determinamos el esfuerzo a ténsión adminisble del elemento:

$$fa := \frac{\left[\left[1 - \frac{\left(\frac{k\cdot L}{r}\right)^2}{2cc^2}\right] fy\right]}{\frac{5}{3} + 3\frac{\left(\frac{k\cdot L}{r}\right)}{8\cdot cc} - \frac{\left(\frac{k\cdot L}{r}\right)^3}{8\cdot cc^3}} = 1501.252$$

Determinamos la carga axial admisible:

$$Padm := fa\cdot Ag = 1906.59$$

$Padm > 915.35$ ok !!!!!

b. Diseño por Momento Flector

Determinamos el momento admisible para flexión:

$$fb := 0.66\cdot fy = 2772$$

Determinamos el módulo de sección requerido:

$$Sreq := \frac{Mu}{fb} = 0.01608$$

Para la sección propuesta determinamos el módulo de sección requerido:

$$S := \frac{I}{c} = 0.2016$$

$S > Sreq$ ok !!!!!

b. Diseño por Esfuerzo Cortante:

Tenemos en cuenta el cortante admisible determinada según el ASD:

$$fv := 0.40 \cdot fy = 1680.00$$

Para la sección del elemento tenemos que el esfuerzo último a la cortante es:

$$Vadm := Ag \cdot fv = 2133.60$$

$Vadm > Vu$ ok !!!!!

Diseño Estructural de Correas Metálicas por el Método ASD

Diagonales

Datos del Elemento:

Esfuerzo de Fluencia (kg/cm2):	$fy := 4200$
Módulo de Elásticidad (kg/cm2):	$E := 2040000$
Coeficiente de Esbeltez:	$k := 0.50$
Longitud del Elemento (cm):	$L := 40.20$
Radio de Giro (cm):	$r := 0.237$
Sección del Elemento (cm2):	$Ag := 0.713$
Esfuerzo Axial Último (kg):	$Pu := 134.16$
Momento Flector Último (kg.cm):	$Mu := 13.77$
Cortante Ultimo (kg):	$Vu := 0.51$
Momento de Inercia (cm4):	$I := 0.040$
Distancia de la fibra extrema al eje neutro (cm):	$c := 0.476$

a. Diseño a Tensión

Determinamos la relación de Esbeltez Cc

$$cc := \left[\frac{\left(2\cdot 3.1416^2 E\right)}{fy}\right]^{0.5} = 97.917$$

Determinamos el esfuerzo a ténsión adminisble del elemento:

$$fa := \frac{\left[\left[1 - \frac{\left(\frac{k\cdot L}{r}\right)^2}{2cc^2}\right]^1 fy\right]}{\frac{5}{3} + 3\frac{\left(\frac{k\cdot L}{r}\right)}{8\cdot cc} - \frac{\left(\frac{k\cdot L}{r}\right)^3}{8\cdot cc^3}} = 1373.937$$

Determinamos la carga axial admisible:

$$Padm := fa\cdot Ag = 979.62$$

$Padm > 134.16$. ok !!!!!

b. Diseño por Momento Flector

Determinamos el momento admisible para flexión:

$$fb := 0.66\cdot fy = 2772$$

Determinamos el módulo de sección requerido:

$$Sreq := \frac{Mu}{fb} = 0.00497$$

Para la sección propuesta determinamos el módulo de sección requerido:

$$S := \frac{I}{c} = 0.084$$

$S > Sreq$ ok !!!!!

b. Diseño por Esfuerzo Cortante:

Tenemos en cuenta el cortante admisible determinada según el ASD:

$$fv := 0.40 \cdot fy = 1680.00$$

Para la sección del elemento tenemos que el esfuerzo último a la cortante es:

$$Vadm := Ag \cdot fv = 1197.84$$

$Vadm > Vu$ ok !!!!!

ANEXO VII

DISEÑO DE ARCOS METALICOS CON CRITERIO LRFD

DISEÑO ESTRUCTURAL DE ARCOS METALICOS

A. ARCO METALICO AP-1:

A.1. DISEÑO DE BRIDA SUPERIOR:

Como podemos observar tenemos valores de carga axial a compresión y tensión, los mismos que tendrán que diseñarse de manera separada, adjuntando para cada caso el momento flector y fuerza cortante actuante.

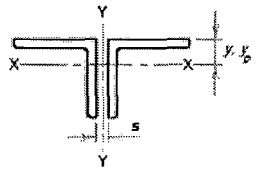
Considerando el diseño del elemento actuando a tensión, tenemos las siguientes cargas de diseño:

$$P_u = 4{,}318.20kg.\text{(Fuerza Tensión)}$$

$$V_u = 4{,}800.50kg.\text{(Fuerza Cortante)}$$

$$M_u = 73{,}592.00kg.cm \text{ (Momento Flector)}$$

Así mismo, utilizaremos perfiles tipo doble ángulo de 3.1/2"x3.1/2"x3/8" para realizar un primer tanteo, considerando las siguientes propiedades geométricas que tiene el perfil en mención, sacadas del manual LRFD:



DOUBLE ANGLES
Two equal leg angles
Properties of sections

	Wt. per ft 2 Angles	Area of 2 Angles	Axis X-X					
			I	*S*	*r*	*y*	*Z*	y_p
Designation	lb	in.^{2}	in.^{4}	in.^{3}	in.	in.	in.^{3}	in.
L3½×3½×⅜	17.0	4.97	5.73	2.30	1.07	1.01	4.15	0.355
5/16	14.4	4.18	4.90	1.95	1.08	0.990	3.52	0.299
¼	11.6	3.38	4.02	1.59	1.09	0.968	2.86	0.241

Tabla 8.1: Propiedades de la Sección 2L3.1/2"x3.1/2" del manual LRFD.

Donde:

$A_g = 4.97 pu\lg^2 = 32.064cm^2$ (Sección Transversal)

$Z_x = 4.15 pu\lg^3 = 68.006cm^3$ (Módulo de Sección)

$I_x = 5.73 pu\lg^4 = 238.501cm^4$ (Módulo de Inercia)

Determinando la carga axial nominal de la sección:

$$\phi_t P_n = \phi_t f_y A_g$$

$$\phi_t P_n = 0.90 \times 2{,}530kg/cm^2 \times 32.064cm^2$$

$$\phi_t P_n = 73{,}010.76kg$$

Entonces:

$$\frac{P_u}{\phi_t P_n} = \frac{4{,}318.20kg.}{73{,}010.76kg.}$$

$$\frac{P_u}{\phi_t P_n} = 0.059 < 0.20$$

Entonces utilizaremos la formula H1.1b del LRFD, además:

$$\phi_t M_{ny} = \phi_b f_y Z_y$$

$$\phi_t M_{ny} = 0.90 \times 2{,}530 kg/cm^2 \times 68.006 cm^3$$

$$\phi_t M_{ny} = 154{,}850.38 kg.cm$$

Reemplazando datos en la formula H1.1b:

$$\frac{P_u}{2\phi_t P_n} + \left(\frac{M_{ux}}{\phi_b M_{nx}} + \frac{M_{uy}}{\phi_b M_{ny}} \right)$$

$$\frac{4{,}318.20 kg.}{2(73{,}010.76 kg.)} + \left(0 + \frac{73{,}592.00 kg.cm}{154{,}850.38 kg.cm} \right) = 0.505 < 1.00$$

Entonces se deduce que la sección propuesta cumple con las solicitaciones actuantes. Ahora verificaremos al mismo elemento pero con la carga a compresión, momentos y cortante de diseño:

$P_u = 17{,}252.30 kg.$ (Fuerza Compresión)

$V_u = 4{,}800.50 kg.$ (Fuerza Cortante)

$M_u = 73{,}592.00 kg.cm$ (Momento Flector)

Además:

$\phi_c = 0.75$ (Factor de Carga a Compresión)

$L = 0.50 m.$ (Longitud del elemento)

$k = 1.00$ (Coeficiente de Esbeltez)

Determinamos la longitud efectiva:

$$KL = 1.00 \times 50.00 cm = 50.00 cm$$

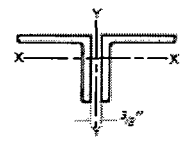
Haciendo la conversión de la longitud efectiva de centímetros a pie, tenemos:

$$50.00 cm. \times 0.0328 = 1.64 pie$$

Con este valor y teniendo en cuenta que se trata se una acero A36 tipo 2L3.1/2"x3.1/2"x3/8", tabulamos para hallar el valor de la carga nominal $\phi_c P_n$ (tabla 8.2):

F_y = 36 ksi
F_y = 50 ksi

COLUMNS
Double angles
Design axial strength in kips (ϕ = 0.85)
Equal legs
3/8 in. back to back of angles



Size			3½×3½						No. of Connectors[a]
Thickness			3/8		5/16		1/4		
Wt./ft			17.0		14.4		11.6		
F_y			36	50	36	50	36	50	
		0	152	211	128	175	100	129	
		2	148	204	125	169	97	125	
		4	137	182	116	152	90	114	
		6	120	152	101	127	80	97	
	X AXIS	8	100	117	84	99	67	77	
		10	78	84	67	72	54	58	b

Tabla 8.2: Tabla de tabulación para la determinación de $\phi_t P_n$ en Perfil 2L3.5"x3.5"

De esta tabulación obtenemos el valor de la carga nominal:

$$\phi_c P_n = 148.72 Klb.$$

Convirtiendo a kilogramos:

$$\phi_c P_n = 67{,}457.82 Kg.$$

Entonces:

$$\frac{P_u}{\phi_t P_n} = \frac{17{,}252.30kg.}{67{,}457.82kg.}$$

$$\frac{P_u}{\phi_t P_n} = 0.256 > 0.20$$

Por lo tanto utilizaremos la formula H1.1a del LRFD:

$$\frac{P_u}{\phi_t P_n} + \frac{8}{9}\left(\frac{M_{ux}}{\phi_b M_{nx}} + \frac{M_{uy}}{\phi_b M_{ny}}\right)$$

Amplificaremos el momento actuante con la fórmula:

$$M_u = B_1 M_{nt} + B_2 M_{lt}$$

Donde:

$$M_{lt} = 0$$

Determinamos C_m:

$$C_m = 0.60 - 0.40\left(-\frac{M_1}{M_2}\right)$$

Teniendo en cuenta la curvatura simple del elemento y el valor del momento:

$$M_1 = M_2 = 73{,}592.00kg.cm$$

Reemplazando el valor tenemos:

$$C_m = 1.00$$

Calculamos el valor de P_{el} :

$$P_{el} = \frac{\pi^2 EI_x}{(K_x L_x)^2}$$

$$P_{el} = \frac{\pi^2 \times (20.39 \times 10^5 kg/cm^2) \times 238.501cm^4}{(50.00cm)^2}$$

$$P_{el} = 1'919{,}855.23kg.$$

Calculamos el valor del coeficiente B_1:

$$B_1 = \frac{C_m}{1 - \frac{P_u}{P_{el}}}$$

$$B_1 = \frac{1.00}{1 - \frac{17{,}252.30kg}{1'919{,}855.23kg}} = 1.009$$

Por lo tanto el momento amplificado será:

$$M_{uy} = 1.009 \times 73{,}592.00$$

$$M_{uy} = 74{,}259.31kg.cm$$

Reemplazando todos los valores a la formula H1.1a del LRFD, tenemos:

$$\frac{17{,}252.30kg}{67{,}457.82kg} + \frac{8}{9}\left(0 + \frac{74{,}259.31kg.cm}{154{,}850.38kg.cm}\right) = 0.682 < 1.00$$

Verificamos cortante:

$$V_u = 0.60\phi_c A_g f_y$$

$$V_u = 0.60 \times 0.75 \times 32.064cm^2 \times 2{,}530kg/cm^2$$

$$V_u = 36{,}505.38kg. > 4{,}800.50kg$$

Se concluye que la sección propuesta satisface con las solicitaciones del elemento estructural, pero intentaremos optimizar el diseño con la verificación con otro tipo de perfil de menor peso.

A continuación utilizaremos un perfil de 2L3"x3"x3/8", considerando el diseño del elemento actuando a tensión, tenemos las siguientes cargas:

$$P_u = 4{,}318.20kg.\ \text{(Fuerza Tensión)}$$

$$V_u = 4{,}800.50kg.\ \text{(Fuerza Cortante)}$$

$$M_u = 73{,}592.00kg.cm\ \text{(Momento Flector)}$$

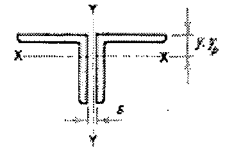
Considerando las siguientes propiedades geométricas que tiene el perfil en mención, sacadas del manual LRFD (ver tabla 8.3):

Donde:

$A_g = 4.22pu\lg^2 = 27.226cm^2$ (Sección Transversal)

$Z_x = 3.00pu\lg^3 = 49.161cm^3$ (Módulo de Sección)

$I_x = 3.52pu\lg^4 = 146.513cm^4$ (Módulo de Inercia)



DOUBLE ANGLES
Two equal leg angles
Properties of sections

Designation	Wt. per ft 2 Angles	Area of 2 Angles	Axis X-X					
			I	*S*	*r*	*y*	*Z*	y_p
	lb	in.^{2}	in.^{4}	in.^{3}	in.	in.	in.^{3}	in.
L3½×3½×⅜	17.0	4.97	5.73	2.30	1.07	1.01	4.15	0.355
5/16	14.4	4.18	4.90	1.95	1.08	0.990	3.52	0.299
¼	11.8	3.38	4.02	1.59	1.09	0.968	2.86	0.241
L3×3×½	18.8	5.50	4.43	2.14	0.898	0.932	3.87	0.458
⅜	14.4	4.22	3.52	1.67	0.913	0.888	3.00	0.352
5/16	12.2	3.55	3.02	1.41	0.922	0.865	2.55	0.298
¼	9.80	2.86	2.49	1.15	0.930	0.842	2.08	0.240
3/16	7.42	2.16	1.92	0.862	0.939	0.820	1.59	0.182

Tabla 8.3: Propiedades de la Sección 2L3"x3" del manual LRFD.

Determinando la carga axial nominal de la sección:

$$\phi_t P_n = \phi_t f_y A_g$$

$$\phi_t P_n = 0.90 \times 2{,}530kg/cm^2 \times 27.226cm^2$$

$$\phi_t P_n = 61{,}993.04kg$$

Entonces:

$$\frac{P_u}{\phi_t P_n} = \frac{4{,}318.20kg.}{61{,}993.04kg.}$$

$$\frac{P_u}{\phi_t P_n} = 0.070 < 0.20$$

Entonces utilizaremos la formula H1.1b del LRFD, además:

$$\phi_t M_{ny} = \phi_b f_y Z_y$$

$$\phi_t M_{ny} = 0.90 \times 2{,}530kg/cm^2 \times 49.161cm^3$$

$$\phi_t M_{ny} = 111{,}940.03kg.cm$$

Reemplazando datos en la formula H1.1b:

$$\frac{P_u}{2\phi_t P_n}+\left(\frac{M_{ux}}{\phi_b M_{nx}}+\frac{M_{uy}}{\phi_b M_{ny}}\right)$$

$$\frac{4{,}318.20kg.}{2(61{,}993.04kg.)}+\left(0+\frac{73{,}592.00kg.cm}{111{,}940.03kg.cm}\right)=0.692<1.00$$

Entonces se deduce que la sección propuesta cumple con las solicitaciones actuantes. Ahora verificaremos al mismo elemento pero con la carga a compresión, momentos y cortante de diseño:

$P_u = 17{,}252.30kg.$ (Fuerza Compresión)

$V_u = 4{,}800.50kg.$ (Fuerza Cortante)

$M_u = 73{,}592.00kg.cm$ (Momento Flector)

Además:

$\phi_c = 0.75$ (Factor de Carga a Compresión)

$L = 0.50m.$ (Longitud del elemento)

$k = 1.00$ (Coeficiente de Esbeltez)

Determinamos la longitud efectiva:

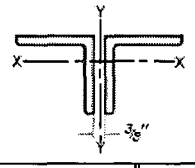
$$KL = 1.00 \times 50.00cm = 50.00cm$$

Haciendo la conversión de la longitud efectiva de centímetros a pie, tenemos:

$$50.00cm. \times 0.0328 = 1.64pie$$

Con este valor y teniendo en cuenta que se trata se una acero A36 tipo 2L3"x3"x3/8", tabulamos para hallar el valor de la carga nominal $\phi_c P_n$ (Tabla 8.4):

F_y = 36 ksi
F_y = 50 ksi



COLUMNS
Double angles
Design axial strength in kips (ϕ = 0.85)
Equal legs
3/8 in. back to back of angles

Size			3x3										No. of Connectors[a]
Thickness			1/2		3/8		5/16		1/4		3/16		
Wt./ft			18.8		14.4		12.2		9.8		7.42		
F_y			36	50	36	50	36	50	36	50	36	50	
		0	168	234	129	179	109	151	88	118	61	77	
		2	162	222	125	171	105	144	85	112	59	74	
		4	145	190	112	147	94	124	77	98	54	66	

Tabla 8.4: Tabla de tabulación para la determinación de $\emptyset_t P_n$ en un Perfil 2L3"x3"

De esta tabulación obtenemos el valor de la carga nominal:

$$\phi_c P_n = 125.72Klb.$$

Convirtiendo a kilogramos:

$$\phi_c P_n = 57{,}025.21Kgr.$$

Entonces:

$$\frac{P_u}{\phi_t P_n}=\frac{17{,}252.30kg.}{57{,}025.21kg.}$$

$$\frac{P_u}{\phi_t P_n}=0.303>0.20$$

Por lo tanto utilizaremos la formula H1.1a del LRFD:

$$\frac{P_u}{\phi_t P_n}+\frac{8}{9}\left(\frac{M_{ux}}{\phi_b M_{nx}}+\frac{M_{uy}}{\phi_b M_{ny}}\right)$$

Amplificaremos el momento actuante con la fórmula:

$$M_u = B_1 M_{nt} + B_2 M_{lt}$$

Donde:

$$M_{lt} = 0$$

Determinamos C_m:

$$C_m = 0.60 - 0.40\left(-\frac{M_1}{M_2}\right)$$

Teniendo en cuenta la curvatura simple del elemento y el valor del momento:

$$M_1 = M_2 = 73{,}592.00 kg.cm$$

Reemplazando el valor tenemos:

$$C_m = 1.00$$

Calculamos el valor de P_{el} :

$$P_{el} = \frac{\pi^2 E I_x}{(K_x L_x)^2}$$

$$P_{el} = \frac{\pi^2 \times (20.39\times 10^5 kg/cm^2)\times 146.513 cm^4}{(50.00cm)^2}$$

$$P_{el} = 1'179{,}387.51 kg.$$

Calculamos el valor del coeficiente B_1:

$$B_1 = \frac{C_m}{1-\frac{P_u}{P_{el}}}$$

$$B_1 = \frac{1.00}{1-\frac{17{,}252.30kg}{1'179{,}387.51kg}} = 1.015$$

Por lo tanto el momento amplificado será:

$$M_{uy} = 1.015 \times 73{,}592.00$$

$$M_{uy} = 74{,}684.50 kg.cm$$

Reemplazando todos los valores a la formula H1.1a del LRFD, tenemos:

$$\frac{17{,}252.30kg}{57{,}025.21kg}+\frac{8}{9}\left(0+\frac{74{,}684.50kg.cm}{111{,}940.03kg.cm}\right) = 0.896 < 1.00$$

Verificamos cortante:

$$V_u = 0.60\phi_c A_g f_y$$

$$V_u = 0.60\times 0.75 \times 27.226cm^2 \times 2{,}530 kg/cm^2$$

$$V_u = 30{,}996.52kg. > 4{,}800.50kg$$

Podemos observar que la sección propuesta satisface con las solicitaciones del elemento estructural.

A.2. DISEÑO DE BRIDA INFERIOR:

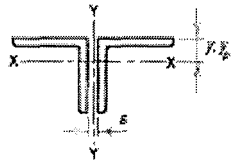
Considerando el diseño del elemento actuando a tensión, tenemos las siguientes cargas de diseño:

$$P_u = 13{,}876.30kg.\text{(Fuerza Tensión)}$$

$$V_u = 236.90kg.\ \text{(Fuerza Cortante)}$$

$$M_u = 7{,}630.00kg.cm\ \text{(Momento Flector)}$$

Utilizaremos perfil 2L2.1/2"x2.1/2"x3/16", considerando las siguientes propiedades geométricas que tiene el perfil en mención, sacadas del manual LRFD:



DOUBLE ANGLES
Two equal leg angles
Properties of sections

Designation	Wt. per ft 2 Angles	Area of 2 Angles	Axis X-X					
			I	*S*	*r*	*y*	*Z*	*yp*
	lb	in.^{2}	in.^{4}	in.^{3}	in.	in.	in.^{3}	in.
L2½x2½x$^3/_8$	11.8	3.47	1.97	1.13	0.753	0.762	2.04	0.347
$^5/_{16}$	10.0	2.93	1.70	0.964	0.761	0.740	1.74	0.293
¼	8.20	2.36	1.41	0.789	0.769	0.717	1.42	0.238
$^3/_{16}$	6.14	1.80	1.09	0.606	0.778	0.694	1.09	0.180

Tabla 8.5: Propiedades de la Sección 2L2.1/2"x2.1/2" del manual LRFD.

Donde:

$A_g = 1.80 pu\,\mathrm{lg}^2 = 11.613cm^2$ (Sección Transversal)

$Z_x = 1.09 pu\,\mathrm{lg}^3 = 17.862cm^3$ (Módulo de Sección)

$I_x = 1.09 pu\,\mathrm{lg}^4 = 45.369m^4$ (Módulo de Inercia)

Determinando la carga axial nominal de la sección:

$$\phi_t P_n = \phi_t f_y A_g$$

$$\phi_t P_n = 0.90 \times 2{,}530kg/cm^2 \times 11.613cm^2$$

$$\phi_t P_n = 26{,}442.53kg$$

Entonces:

$$\frac{P_u}{\phi_t P_n} = \frac{13{,}876.30kg.}{26{,}442.53kg.}$$

$$\frac{P_u}{\phi_t P_n} = 0.525 < 0.20$$

Entonces utilizaremos la formula H1.1a del LRFD, además:

$$\phi_t M_{ny} = \phi_b f_y Z_y$$

$$\phi_t M_{ny} = 0.90 \times 2{,}530kg/cm^2 \times 17.862cm^3$$

$$\phi_t M_{ny} = 40{,}671.55kg.cm$$

Reemplazando datos en la formula H1.1a :

$$\frac{P_u}{\phi_t P_n} + \frac{8}{9}\left(\frac{M_{ux}}{\phi_b M_{nx}} + \frac{M_{uy}}{\phi_b M_{ny}}\right)$$

$$\frac{13{,}876.30kg.}{(26{,}442.53kg.)} + \frac{8}{9}\left(0 + \frac{7{,}630.00kg.cm}{40{,}671.55kg.cm}\right) = 0.692 < 1.00$$

Entonces se deduce que la sección propuesta cumple con las solicitaciones actuantes. Ahora verificaremos al mismo elemento pero con la carga a compresión, momentos y cortante de diseño:

$$P_u = 13{,}890.70kg.\text{(Fuerza Compresión)}$$

$$V_u = 236.90kg.\text{(Fuerza Cortante)}$$
$$M_u = 7{,}630.00kg.cm\text{ (Momento Flector)}$$

Además:

$$\phi_c = 0.75\text{ (Factor Carga a Compresión)}$$
$$L = 0.50m.\text{(Longitud del Elemento)}$$
$$k = 1.00\text{ (Coeficiente de Esbeltez)}$$

Determinamos la longitud efectiva:

$$KL = 1.00 \times 50.00cm = 50.00cm$$

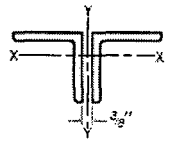
Haciendo la conversión de la longitud efectiva de centímetros a pie, tenemos:

$$50.00cm. \times 0.0328 = 1.64pie$$

Con este valor y teniendo en cuenta que se trata se una acero A36 tipo 2L2.1/2"x2.1/2"x3/16", tabulamos para hallar el valor de la carga nominal $\phi_c P_n$ (Tabla 8.6):

F_y = 36 ksi
F_y = 50 ksi

COLUMNS
Double angles
Design axial strength in kips (ϕ = 0.85)
Equal legs
3/8 in. back to back of angles



Size			2½x2½								No. of Connectors
Thickness			3/8		5/16		1/4		3/16		
Wt./ft			11.8		10.0		8.2		6.14		
F_y			36	50	36	50	36	50	36	50	
		0	106	147	90	125	73	101	54	70	
		2	101	137	85	116	69	94	52	66	

Tabla 8.6: Tabla de tabulación para la determinación de $\emptyset_t P_n$ en Perfil 2L2.1/2"x2.1/2"

De esta tabulación obtenemos el valor de la carga nominal:

$$\phi_c P_n = 52.36Klb.$$

Convirtiendo a kilogramos:

$$\phi_c P_n = 23{,}749.89Kg.$$

Entonces:

$$\frac{P_u}{\phi_t P_n} = \frac{13{,}890.70kg.}{23{,}749.89kg.}$$
$$\frac{P_u}{\phi_t P_n} = 0.585 > 0.20$$

Por lo tanto utilizaremos la formula H1.1a del LRFD:

$$\frac{P_u}{\phi_t P_n} + \frac{8}{9}\left(\frac{M_{ux}}{\phi_b M_{nx}} + \frac{M_{uy}}{\phi_b M_{ny}}\right)$$

Amplificaremos el momento actuante con la fórmula:

$$M_u = B_1 M_{nt} + B_2 M_{lt}$$

Donde:

$$M_{lt} = 0$$

Determinamos C_m:

$$C_m = 0.60 - 0.40\left(-\frac{M_1}{M_2}\right)$$

Teniendo en cuenta la curvatura simple del elemento y el valor del momento:

$$M_1 = M_2 = 7{,}630.00 kg.cm$$

Reemplazando el valor tenemos:

$$C_m = 1.00$$

Calculamos el valor de P_{el} :

$$P_{el} = \frac{\pi^2 EI_x}{(K_x L_x)^2}$$

$$P_{el} = \frac{\pi^2 \times (20.39 \times 10^5 kg/cm^2) \times 45.369 cm^4}{(50.00 cm)^2}$$

$$P_{el} = 365{,}208.06 kg.$$

Calculamos el valor del coeficiente B_1:

$$B_1 = \frac{C_m}{1 - \frac{P_u}{P_{el}}}$$

$$B_1 = \frac{1.00}{1 - \frac{13{,}890.70 kg}{365{,}208.06 kg}} = 1.04$$

Por lo tanto el momento amplificado será:

$$M_{uy} = 1.04 \times 7{,}630.00$$

$$M_{uy} = 7{,}931.68 kg.cm$$

Reemplazando todos los valores a la formula H1.1a del LRFD, tenemos:

$$\frac{13{,}890.70 kg}{23{,}749.89 kg} + \frac{8}{9}\left(0 + \frac{7{,}931.68 kg.cm}{40{,}671.55 kg.cm}\right) = 0.758 < 1.00$$

Verificamos cortante:

$$V_u = 0.60 \phi_c A_g f_y$$

$$V_u = 0.60 \times 0.75 \times 11.613 cm^2 \times 2{,}530 kg/cm^2$$

$$V_u = 13{,}221.26 kg. > 236.90 kg$$

Podemos observar que la sección propuesta satisface con las solicitaciones del elemento estructural, inclusive es posible reducir aun más, pero en este caso no lo haremos para no varia mucho la sección entre la brida superior y la brida inferior.

A.3. DISEÑO DE MONTANTE:

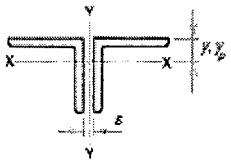
Considerando el diseño del elemento actuando a tensión, tenemos las siguientes cargas de diseño:

$P_u = 3{,}931.30 kg.$ (Fuerza Tensión)

$V_u = 294.00 kg.$ (Fuerza Cortante)

$M_u = 10{,}870.00 kg.cm$ (Momento Flector)

Utilizaremos perfil 2L2"x2"x1/8", considerando las siguientes propiedades geométricas que tiene el perfil en mención, sacadas del manual LRFD (Tabla 8.7):



DOUBLE ANGLES
Two equal leg angles
Properties of sections

Designation	Wt. per ft 2 Angles	Area of 2 Angles	Axis X-X					
			I	*S*	*r*	*y*	*Z*	y_p
	lb	in.^{2}	in.^{4}	in.^{3}	in.	in.	in.^{3}	in.
L2×2×3/8	9.40	2.72	0.958	0.702	0.594	0.638	1.27	0.340
5/16	7.84	2.30	0.832	0.681	0.601	0.614	1.08	0.288
1/4	6.38	1.86	0.695	0.494	0.609	0.592	0.890	0.234
3/16	4.88	1.43	0.545	0.381	0.617	0.569	0.686	0.179
1/8	3.30	0.960	0.380	0.261	0.626	0.546	0.471	0.121

Tabla 8.7: Propiedades de la Sección 2L2"x2" del manual LRFD.

Donde:

$A_g = 0.96 pu\lg^2 = 6.194 cm^2$ (Sección Transversal)

$Z_x = 0.47 pu\lg^3 = 7.718 cm^3$ (Módulo de Sección)

$I_x = 0.38 pu\lg^4 = 15.817 cm^4$ (Módulo de Inercia)

Determinando la carga axial nominal de la sección:

$$\phi_t P_n = \phi_t f_y A_g$$

$$\phi_t P_n = 0.90 \times 2{,}530 kg/cm^2 \times 6.194 cm^2$$

$$\phi_t P_n = 14{,}103.78 kg$$

Entonces:

$$\frac{P_u}{\phi_t P_n} = \frac{3{,}931.30 kg.}{14{,}103.78 kg.}$$

$$\frac{P_u}{\phi_t P_n} = 0.279 > 0.20$$

Entonces utilizaremos la formula H1.1a del LRFD, además:

$$\phi_t M_{ny} = \phi_b f_y Z_y$$

$$\phi_t M_{ny} = 0.90 \times 2{,}530 kg/cm^2 \times 7.718 cm^3$$

$$\phi_t M_{ny} = 17{,}574.59 kg.cm$$

Reemplazando datos en la formula H1.1a :

$$\frac{P_u}{\phi_t P_n} + \frac{8}{9}\left(\frac{M_{ux}}{\phi_b M_{nx}} + \frac{M_{uy}}{\phi_b M_{ny}}\right)$$

$$\frac{3{,}931.30 kg.}{(14{,}102.68 kg.)} + \frac{8}{9}\left(0 + \frac{10{,}870.00 kg.cm}{17{,}574.59 kg.cm}\right) = 0.829 < 1.000$$

Entonces se deduce que la sección propuesta cumple con las solicitaciones actuantes. Ahora verificaremos al mismo elemento pero con la carga a compresión, momentos y cortante de diseño:

$P_u = 2{,}026.80 kg.$ (Fuerza Compresión)

$V_u = 294.00 kg.$ (Fuerza Cortante)

$M_u = 10{,}870.00 kg.cm$ (Momento Flector)

Además:

$\phi_c = 0.75$ (Factor de Carga a Compresión)

$L = 0.85 m.$ (Longitud del Elemento)

$$k = 1.00 \text{ (Coeficiente de Esbeltez)}$$

Determinamos la longitud efectiva:

$$KL = 1.00 \times 85.00cm = 85.00cm$$

Haciendo la conversión de la longitud efectiva de centímetros a pie, tenemos:

$$85.00cm. \times 0.0328 = 2.789pie$$

Con este valor y teniendo en cuenta que se trata se una acero A36 tipo 2L2"x2"x1/8", tabulamos para hallar el valor de la carga nominal $\phi_c P_n$ (Tabla 8.8).

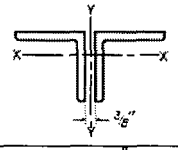
De esta tabulación obtenemos el valor de la carga nominal:

$$\phi_c P_n = 48.85Klb.$$

Convirtiendo a kilogramos:

$$\phi_c P_n = 22{,}155.77Kg.$$

F_y = 36 ksi
F_y = 50 ksi



COLUMNS
Double angles
Design axial strength in kips (ϕ = 0.85)
Equal legs
3/8 in. back to back of angles

Size			2×2										No. of Connectors[a]
Thickness			3/8		5/16		1/4		3/16		1/8		
Wt./ft			9.4		7.84		6.38		4.88		3.30		
F_y			36	50	36	50	36	50	36	50	36	50	
		0	83	116	70	98	58	80	44	61	27	34	
		2	76	103	65	87	53	71	40	54	25	31	
		3	69	88	58	75	48	62	37	47	23	28	
		4	59	72	50	61	41	51	32	39	20	24	

Tabla 8.8: Tabla de tabulación para la determinación de $\emptyset_t P_n$ en Perfil 2L2"x2"

Entonces:

$$\frac{P_u}{\phi_t P_n} = \frac{2{,}026.80kg.}{22{,}155.77kg.}$$

$$\frac{P_u}{\phi_t P_n} = 0.091 < 0.20$$

Por lo tanto utilizaremos la formula H1.1b del LRFD:

$$\frac{P_u}{2\phi_t P_n} + \left(\frac{M_{ux}}{\phi_b M_{nx}} + \frac{M_{uy}}{\phi_b M_{ny}} \right)$$

Amplificaremos el momento actuante con la fórmula:

$$M_u = B_1 M_{nt} + B_2 M_{lt}$$

Donde:

$$M_{lt} = 0$$

Determinamos C_m:

$$C_m = 0.60 - 0.40\left(-\frac{M_1}{M_2} \right)$$

Teniendo en cuenta la curvatura simple del elemento y el valor del momento:

$$M_1 = M_2 = 10{,}870.00kg.cm$$

Reemplazando el valor tenemos:

$$C_m = 1.00$$

Calculamos el valor de P_{el} :

$$P_{el} = \frac{\pi^2 EI_x}{(K_x L_x)^2}$$

$$P_{el} = \frac{\pi^2 \times (20.39 \times 10^5 kg/cm^2) \times 15.817 cm^4}{(85.00 cm)^2}$$

$$P_{el} = 44{,}055.45 kg.$$

Calculamos el valor del coeficiente B_1:

$$B_1 = \frac{C_m}{1 - \frac{P_u}{P_{el}}}$$

$$B_1 = \frac{1.00}{1 - \frac{2{,}026.80 kg}{44{,}055.45 kg}} = 1.048$$

Por lo tanto el momento amplificado será:

$$M_{uy} = 1.048 \times 10{,}870.00$$

$$M_{uy} = 11{,}394.20 kg.cm$$

Reemplazando todos los valores a la formula H1.1a del LRFD, tenemos:

$$\frac{2{,}026.80 kg}{14{,}102.68 kg} + \frac{8}{9}\left(0 + \frac{11{,}394.20 kg.cm}{17{,}574.59 kg.cm}\right) = 0.694 < 1.00$$

Verificamos cortante:

$$V_u = 0.60 \phi_c A_g f_y$$

$$V_u = 0.60 \times 0.75 \times 6.194 cm^2 \times 2{,}530 kg/cm^2$$

$$V_u = 7{,}051.34 kg > 236.90 kg$$

Podemos observar que la sección propuesta satisface con las solicitaciones del elemento estructural, inclusive es posible reducir aun más, pero en este caso no lo haremos para no varia mucho la sección entre la brida superior y la montante.

A.4. DISEÑO DE DIAGONALES:

Considerando el diseño del elemento actuando a tensión, tenemos las siguientes cargas de diseño:

$P_u = 2{,}119.70 kg.$ (Fuerza Tensión)

$V_u = 1{,}564.10 kg.$ (Fuerza Cortante)

$M_u = 45{,}100.00 kg.cm$ (Momento Flector)

Utilizaremos perfil 2L2.5"x2.5"x1/4", considerando las siguientes propiedades geométricas que tiene el perfil en mención, sacadas del manual LRFD (Tabla 8.5):

Donde:

$A_g = 2.38 pu\lg^2 = 15.355 cm^2$ (Sección Transversal)

$Z_x = 1.42 pu\lg^3 = 23.270 cm^3$ (Módulo de Sección)

$I_x = 1.41 pu\lg^4 = 58.689 cm^4$ (Módulo de Inercia)

Determinando la carga axial nominal de la sección:

$$\phi_t P_n = \phi_t f_y A_g$$
$$\phi_t P_n = 0.90 \times 2{,}530 kg/cm^2 \times 15.355 cm^2$$
$$\phi_t P_n = 34{,}962.90 kg$$

Entonces:

$$\frac{P_u}{\phi_t P_n} = \frac{2{,}119.70 kg}{34{,}962.90 kg}$$
$$\frac{P_u}{\phi_t P_n} = 0.061 < 0.20$$

Entonces utilizaremos la formula H1.1b del LRFD, además:

$$\phi_t M_{ny} = \phi_b f_y Z_y$$
$$\phi_t M_{ny} = 0.90 \times 2{,}530 kg/cm^2 \times 23.270 cm^3$$
$$\phi_t M_{ny} = 52{,}984.95 kg.cm$$

Reemplazando datos en la formula H1.1b:

$$\frac{P_u}{2\phi_t P_n} + \left(\frac{M_{ux}}{\phi_b M_{nx}} + \frac{M_{uy}}{\phi_b M_{ny}} \right)$$
$$\frac{2{,}119.70 kg}{2 \times (34{,}962.90 kg)} + \left(0 + \frac{45{,}100.00 kg.cm}{52{,}984.95 kg.cm} \right) = 0.881 < 1.000$$

Entonces se deduce que la sección propuesta cumple con las solicitaciones actuantes. Ahora verificaremos al mismo elemento pero con la carga a compresión, momentos y cortante de diseño:

$P_u = 5{,}319.60 kg.$(Fuerza Compresión)
$V_u = 1{,}564.10 kg.$ (Fuerza Cortante)
$M_u = 45{,}100.00 kg.cm$ (Momento Flector)

Además:

$\phi_c = 0.75$ (Factor de Carga a Compresión)
$L = 0.975 m.$ (Longitud del Elemento)
$k = 1.00$ (Coeficiente de Esbeltez)

Determinamos la longitud efectiva:

$$KL = 1.00 \times 97.50 cm = 97.50 cm$$

Haciendo la conversión de la longitud efectiva de centímetros a pie, tenemos:

$$97.50 cm. \times 0.0328 = 3.199 pie$$

Con este valor y teniendo en cuenta que se trata se una acero A36 tipo 2L2.5"x2.5"x1/4", tabulamos para hallar el valor de la carga nominal $\phi_c P_n$ (Tabla 8.9).

De esta tabulación obtenemos el valor de la carga nominal:

$$\phi_c P_n = 63.91 Klb.$$

Convirtiendo a kilogramos:

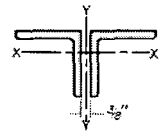
$$\phi_c P_n = 28{,}942.38 Kgr.$$

Entonces:

$$\frac{P_u}{\phi_t P_n} = \frac{5{,}319.60 kg/cm^2}{28{,}942.38 kg/cm^2}$$

F_y = 36 ksi
F_y = 50 ksi

COLUMNS
Double angles
Design axial strength in kips (ϕ = 0.85)
Equal legs
3/8 in. back to back of angles



Size			2½x2½								No. of Connectors
Thickness			3/8		5/16		1/4		3/16		
Wt./ft.			11.8		10.0		8.2		6.14		
F_y			36	50	36	50	36	50	36	50	
		0	106	147	90	125	73	101	54	70	
		2	101	137	85	116	69	94	52	66	
		3	94	125	80	106	65	86	48	61	
		4	86	110	73	93	59	76	44	54	
		5	76	93	65	79	53	65	40	47	

Tabla 4.11: Tabla de tabulación para la determinación de $\emptyset_t P_n$ en Perfil 2L2.1/2"x2.1/2"

Entonces tenemos:

$$\frac{P_u}{\phi_t P_n} = 0.184 < 0.20$$

Por lo tanto utilizaremos la formula H1.1b del LRFD:

$$\frac{P_u}{2\phi_t P_n} + \left(\frac{M_{ux}}{\phi_b M_{nx}} + \frac{M_{uy}}{\phi_b M_{ny}} \right)$$

Amplificaremos el momento actuante con la fórmula:

$$M_u = B_1 M_{nt} + B_2 M_{lt}$$

Donde:

$$M_{lt} = 0$$

Determinamos C_m:

$$C_m = 0.60 - 0.40\left(-\frac{M_1}{M_2} \right)$$

Teniendo en cuenta la curvatura simple del elemento y el valor del momento:

$$M_1 = M_2 = 45{,}100.00 kg.cm$$

Reemplazando el valor tenemos:

$$C_m = 1.00$$

Calculamos el valor de P_{el} :

$$P_{el} = \frac{\pi^2 E I_x}{(K_x L_x)^2}$$

$$P_{el} = \frac{\pi^2 \times (20.39 \times 10^5 kg/cm^2) \times 58.689 cm^4}{(97.50 cm)^2}$$

$$P_{el} = 124{,}240.66 kg.$$

Calculamos el valor del coeficiente B_1:

$$B_1 = \frac{C_m}{1 - \frac{P_u}{P_{el}}}$$

$$B_1 = \frac{1.00}{1 - \frac{5{,}319.60 kg}{124{,}240.66 kg}} = 1.045$$

Por lo tanto el momento amplificado será:

$$M_{uy} = 1.045 \times 45{,}100.00$$

$$M_{uy} = 47{,}117.42 kg.cm$$

Reemplazando todos los valores a la formula H1.1b del LRFD, tenemos:

$$\frac{5{,}319.60 kg}{2(34{,}962.90 kg)} + \left(0 + \frac{47{,}117.42}{52{,}984.95}\right) = 0.981 < 1.00$$

Verificamos cortante:

$$V_u = 0.60 \phi_c A_g f_y$$

$$V_u = 0.60 \times 0.75 \times 15.355 cm^2 \times 2{,}530 kg/cm^2$$

$$V_u = 17{,}481.45 kg > 1{,}564.00 kg$$

Podemos observar que la sección propuesta satisface con las solicitaciones del elemento estructural.

A continuación realizaremos el diseño de los elementos de los demás arcos, con ayuda de la hoja de cálculo elaborada por el tesista.

ELEMENTO : BRIDA SUPERIOR DE ARCO METALICO AP-2

DETERMINACION DE CARACTERISTICAS GEOMETRICAS DE LA SECCION (DEL LRFD)

CALCULO DE AREA

SI : 3"x3"x3/8" ENTONCES :

A =	4.22 pulg^2	⟶	27.226 cm^2	
A =	0.00 pulg^2	⟶	0.000 cm^2	
A =	0.00 pulg^2	⟶	0.000 cm^2	ENTONCES: 27.226 cm^2

CALCULO DE MODULO DE SECCION PLASTICO

ENTONCES :

Z =	3.00 pulg^3	⟶	49.161 cm^3	
Z =	0.00 pulg^3	⟶	0.000 cm^3	
Z =	0.00 pulg^3	⟶	0.000 cm^3	ENTONCES: 49.161 cm^3

CALCULO DE INERCIA

ENTONCES :

I =	3.52 pulg^4	⟶	146.513 cm^4	
I =	0.00 pulg^4	⟶	0.000 cm^4	
I =	0.00 pulg^4	⟶	0.000 cm^4	ENTONCES: 146.513 cm^4

DISEÑO DEL ELEMENTO CONSIDERANDO CARGAS DE TENSIÓN Y MOMENTO FLECTOR ACTUANTE:

SOLICITACIONES:

TENSIÓN : 6,626.00 kg
MOMENTO : 56,990.00 kg.cm
CORTANTE : 1,226.80 kg
K : 1.00

CARACTERISTICAS :

Øt : 0.90
Fy : 2,530.00 kg/cm2

CALCULO : ØtxPn = 61,993.04 kg

$\frac{Pu}{ØtxPn} = 0.107 < 0.20$ UTILIZAMOS FORMULA H1.1b DEL LRFD

$$\frac{P_u}{2\phi_t P_n} + \left(\frac{M_{ux}}{\phi_b M_{nx}} + \frac{M_{uy}}{\phi_b M_{ny}}\right) \qquad \frac{P_u}{\phi_t P_n} + \frac{8}{9}\left(\frac{M_{ux}}{\phi_b M_{nx}} + \frac{M_{uy}}{\phi_b M_{ny}}\right)$$

CALCULO : ØtxMn = 111,940.03 kg.cm

0.563 < 1.00 OK

DISEÑO DEL ELEMENTO CONSIDERANDO CARGAS DE COMPRESION Y MOMENTO FLECTOR ACTUANTE:

SOLICITACIONES:

COMPRESION : 26,249.50 kg
MOMENTO : 56,990.00 kg.cm
CORTANTE : 1,226.80 kg
Øc : 0.75

CARACTERISTICAS :

LONGITUD (L) : 52.50 cm.
Fy : 2,530.00 kg/cm2

LONGITUD EQUIVALENTE :

KxL = 52.50 cm. = 1.722 pie

CON ESTE VALOR HACEMOS LAS TABULACIONES (VER CUADROS)

1.000 ⟶	175.00
2.000 ⟶	171.00
1.722 ⟶	172.11

POR LO TANTO:

Øt x Pn : 172.11 Klb
Øt x Pn : 172,110.24 lb
Øt x Pn : 78,067.83 kg

ENTONCES : $\frac{Pu}{ØtxPn} = 0.336 > 0.20$ UTILIZAMOS FORMULA H1.1a DEL LRFD

TENEMOS QUE :

$$M_U = B_1 M_{nt} + B_2 M_{lt}$$

DONDE:

B1 Y B2 = FACTORES DE AMPLIFICACION
Mnt = MOMENTO DE ALABEO
Mlt = MOMENTO DE MARCO NO ARRIOSTRADO

PERO : Mlt = 0.00

CALCULAREMOS: $C_m = 0.6 - 0.4\left(\frac{M_1}{M_2}\right)$ Cm = 1.00

TAMBIEN: $P_{el} = \frac{\pi^2 E I_x}{(K_x L_x)2}$ Pel = 1069,739.24 kg.

POR LO TANTO : $B_1 = \frac{C_m}{1 - \frac{P_U}{P_{el}}}$ B1= 1.025

ENTONCES EL MOMENTO AMPLIFICADO SERA : Mux = 58,423.61 kg.cm

REEMPLAZANDO EN LA FORMULA :

0.800 < 1.00 OK

VERIFICANDO DE FUERZA CORTANTE:

VERIFICACION DE CORTANTE:

$$V_U = 0.60 \phi_C A_g F_Y$$

Vu = 30,996.52 > 1,226.80 CUMPLE

ELEMENTO : BRIDA INFERIOR DE ARCO METALICO AP-2

DETERMINACION DE CARACTERISTICAS GEOMETRICAS DE LA SECCION (DEL LRFD)

CALCULO DE AREA

SI : 2.5"x2.5"x5/16" ENTONCES :

A =	0 pulg^2	0.000 cm^2		
A =	2.93 pulg^2	18.903 cm^2		
A =	0.00 pulg^2	0.000 cm^2	ENTONCES:	18.903 cm^2

CALCULO DE MODULO DE SECCION PLASTICO

ENTONCES :

Z =	0.00 pulg^3	0.000 cm^3		
Z =	1.74 pulg^3	28.513 cm^3		
Z =	0.00 pulg^3	0.000 cm^3	ENTONCES:	28.513 cm^3

CALCULO DE INERCIA

ENTONCES :

I =	0.00 pulg^4	0.000 cm^4		
I =	1.70 pulg^4	70.759 cm^4		
I =	0.00 pulg^4	0.000 cm^4	ENTONCES:	70.759 cm^4

SOLICITACIONES:

TENSIÓN : 32,914.60 kg
MOMENTO : 9,940.00 kg.cm
CORTANTE : 262.90 kg
K : 1.00

CARACTERISTICAS :

Øt : 0.90
Fy : 2,530.00 kg/cm2

CALCULO : ØtxPn = 43,042.56 kg

$\frac{Pu}{ØtxPn}$ = 0.765 > 0.20 UTILIZAMOS FORMULA H1.1a DEL LRFD

$$\frac{P_u}{2\phi_t P_n} + \left(\frac{M_{ux}}{\phi_b M_{nx}} + \frac{M_{uy}}{\phi_b M_{ny}} \right) \qquad \frac{P_u}{\phi_t P_n} + \frac{8}{9} \left(\frac{M_{ux}}{\phi_b M_{nx}} + \frac{M_{uy}}{\phi_b M_{ny}} \right)$$

CALCULO : ØtxMn = 64,925.22 kg.cm

0.901 < 1.00 OK

SOLICITACIONES:

COMPRESION : 7,957.80 kg
MOMENTO : 9,940.00 kg.cm
CORTANTE : 262.90 kg
Øc : 0.75

CARACTERISTICAS :

LONGITUD (L) : 50.00 cm.
Fy : 2,530.00 kg/cm2

LONGITUD EQUIVALENTE :

KxL = 50.00 cm. = 1.640 pie

CON ESTE VALOR HACEMOS LAS TABULACIONES (VER CUADROS)

1.000 →	87.50
2.000 →	85.00
1.640 →	85.90

POR LO TANTO:

Øt x Pn : 85.90 Klb
Øt x Pn : 85,898.95 lb
Øt x Pn : 38,963.08 kg

ENTONCES : $\frac{Pu}{\emptyset t x Pn}$ = 0.204 > 0.20 UTILIZAMOS FORMULA H1.1a DEL LRFD

TENEMOS QUE :

$$M_U = B_1 M_{nt} + B_2 M_{lt}$$

DONDE:

B1 Y B2 = FACTORES DE AMPLIFICACION
Mnt = MOMENTO DE ALABEO
Mlt = MOMENTO DE MARCO NO ARRIOSTRADO

PERO : Mlt = 0.00

CALCULAREMOS: $C_m = 0.6 - 0.4\left(\frac{M_1}{M_2}\right)$ Cm = 1.00

TAMBIEN: $P_{el} = \frac{\pi^2 E I_x}{(K_x L_x)2}$ Pel = 569,590.56 kg.

POR LO TANTO : $B_1 = \frac{C_m}{1 - \frac{P_U}{P_{el}}}$ B1= 1.014

ENTONCES EL MOMENTO AMPLIFICADO SERA : Mux = 10,080.84 kg.cm

REEMPLAZANDO EN LA FORMULA :

0.342 < 1.00 OK

VERIFICACION DE CORTANTE:

$$V_U = 0.60 \phi_C A_g F_Y$$

Vu = 21,521.28 > 262.90 CUMPLE

ELEMENTO : MONTANTE DE ARCO METALICO AP-2

DETERMINACION DE CARACTERISTICAS GEOMETRICAS DE LA SECCION (DEL LRFD)

CALCULO DE AREA

SI :	2"x2"x1/8"	ENTONCES :	A =	0 pulg^2	0.000 cm^2	
			A =	0.00 pulg^2	0.000 cm^2	
			A =	0.96 pulg^2	6.194 cm^2	ENTONCES: 6.194 cm^2

CALCULO DE MODULO DE SECCION PLASTICO

ENTONCES :	Z =	0.00 pulg^3	0.000 cm^3		
	Z =	0.00 pulg^3	0.000 cm^3		
	Z =	0.47 pulg^3	7.718 cm^3	ENTONCES:	7.718 cm^3

CALCULO DE INERCIA

ENTONCES :	I =	0.00 pulg^4	0.000 cm^4		
	I =	0.00 pulg^4	0.000 cm^4		
	I =	0.38 pulg^4	15.817 cm^4	ENTONCES:	15.817 cm^4

SOLICITACIONES:

TENSIÓN : 5,037.50 kg
MOMENTO : 2,910.00 kg.cm
CORTANTE : 71.40 kg
K : 1.00

CARACTERISTICAS :

Øt : 0.90
Fy : 2,530.00 kg/cm2

CALCULO : ØtxPn = 14,102.68 kg

$\frac{Pu}{\emptyset t x Pn}$ = 0.357 > 0.20 UTILIZAMOS FORMULA H1.1a DEL LRFD

$$\frac{P_u}{2\phi_t P_n} + \left(\frac{M_{ux}}{\phi_b M_{nx}} + \frac{M_{uy}}{\phi_b M_{ny}}\right) \qquad \frac{P_u}{\phi_t P_n} + \frac{8}{9}\left(\frac{M_{ux}}{\phi_b M_{nx}} + \frac{M_{uy}}{\phi_b M_{ny}}\right)$$

CALCULO : ØtxMn = 17,574.59 kg.cm

0.504 < 1.00 OK

SOLICITACIONES:

COMPRESION : 1,671.50 kg
MOMENTO : 2,910.00 kg.cm
CORTANTE : 71.40 kg
Øc : 0.75

CARACTERISTICAS :

LONGITUD (L) : 85.00 cm.

Fy : 2,530.00 kg/cm2

LONGITUD EQUIVALENTE :

KxL = 85.00 cm. = 2.789 pie

CON ESTE VALOR HACEMOS LAS TABULACIONES (VER CUADROS)

2.000 → 25.00

3.000 → 23.00

2.789 → 23.42

POR LO TANTO:

Øt x Pn : 23.42 Klb

Øt x Pn : 23,422.57 lb

Øt x Pn : 10,624.29 kg

ENTONCES : $\frac{Pu}{\emptyset t x Pn}$ = 0.157 < 0.20 UTILIZAMOS FORMULA H1.1b DEL LRFD

TENEMOS QUE :

$$M_U = B_1 M_{nt} + B_2 M_{lt}$$

DONDE:

B1 Y B2 = FACTORES DE AMPLIFICACION

Mnt = MOMENTO DE ALABEO

Mlt = MOMENTO DE MARCO NO ARRIOSTRADO

PERO : Mlt = 0.00

CALCULAREMOS: $C_m = 0.6 - 0.4\left(\frac{M_1}{M_2}\right)$ Cm = 1.00

TAMBIEN: $P_{el} = \frac{\pi^2 E I_x}{(K_x L_x)2}$ Pel = 44,055.45 kg.

POR LO TANTO : $B_1 = \frac{C_m}{1 - \frac{P_U}{P_{el}}}$ B1= 1.039

ENTONCES EL MOMENTO AMPLIFICADO SERA : Mux = 3,024.76 kg.cm

REEMPLAZANDO EN LA FORMULA :

0.251 < 1.00 OK

VERIFICACION DE CORTANTE:

$$V_{rl} = 0.60 \phi_c A_g F_y$$

Vu = 7,051.34 > 71.40 CUMPLE

ELEMENTO : DIAGONAL DE ARCO METALICO AP-2

DETERMINACION DE CARACTERISTICAS GEOMETRICAS DE LA SECCION (DEL LRFD)

CALCULO DE AREA

SI : 2"x2"x1/8" ENTONCES :

A = 0 pulg^2 0.000 cm^2

A = 0.00 pulg^2 0.000 cm^2

A = 0.96 pulg^2 6.194 cm^2 ENTONCES: 6.194 cm^2

CALCULO DE MODULO DE SECCION PLASTICO

ENTONCES :

Z = 0.00 pulg^3 0.000 cm^3

Z = 0.00 pulg^3 0.000 cm^3

Z = 0.47 pulg^3 7.718 cm^3 ENTONCES: 7.718 cm^3

CALCULO DE INERCIA

ENTONCES :

I = 0.00 pulg^4 0.000 cm^4

I = 0.00 pulg^4 0.000 cm^4

I = 0.38 pulg^4 15.817 cm^4 ENTONCES: 15.817 cm^4

SOLICITACIONES:

TENSIÓN : 857.60 kg

MOMENTO : 7,260.00 kg.cm

CORTANTE : 114.90 kg

K : 1.00

CARACTERISTICAS :

Øt : 0.90

Fy : 2,530.00 kg/cm2

CALCULO : ØtxPn = 14,102.68 kg

$\frac{Pu}{\emptyset t x Pn}$ = 0.061 < 0.20 UTILIZAMOS FORMULA H1.1b DEL LRFD

$$\frac{P_u}{2\phi_t P_n} + \left(\frac{M_{ux}}{\phi_b M_{nx}} + \frac{M_{uy}}{\phi_b M_{ny}}\right) \qquad \frac{P_u}{\phi_t P_n} + \frac{8}{9}\left(\frac{M_{ux}}{\phi_b M_{nx}} + \frac{M_{uy}}{\phi_b M_{ny}}\right)$$

CALCULO : ØtxMn = 17,574.59 kg.cm

0.444 < 1.00 OK

SOLICITACIONES:

COMPRESION : 4,697.80 kg
MOMENTO : 7,260.00 kg.cm
CORTANTE : 114.90 kg
Øc : 0.75

CARACTERISTICAS :

LONGITUD (L) : 97.50 cm.
Fy : 2,530.00 kg/cm2

LONGITUD EQUIVALENTE :

KxL = 97.50 cm. = 3.199 pie CON ESTE VALOR HACEMOS LAS TABULACIONES (VER CUADROS)

3.000 → 25.00
4.000 → 23.00
3.199 → 24.60

POR LO TANTO:

Øt x Pn : 24.60 Klb
Øt x Pn : 24,602.36 lb
Øt x Pn : 11,159.43 kg

ENTONCES : $\frac{Pu}{\text{ØtxPn}}$ = 0.421 > 0.20 UTILIZAMOS FORMULA H1.1a DEL LRFD

TENEMOS QUE :

$$M_U = B_1 M_m + B_2 M_{lt}$$

DONDE:

B1 Y B2 = FACTORES DE AMPLIFICACION
Mnt = MOMENTO DE ALABEO
Mlt = MOMENTO DE MARCO NO ARRIOSTRADO

PERO : Mlt = 0.00

CALCULAREMOS: $C_m = 0.6 - 0.4\left(\frac{M_1}{M_2}\right)$ Cm = 1.00

TAMBIEN: $P_{el} = \frac{\pi^2 E I_x}{(K_x L_x)2}$ Pel = 33,483.30 kg.

POR LO TANTO : $B_1 = \frac{C_m}{1 - \frac{P_U}{P_{el}}}$ B1= 1.163

ENTONCES EL MOMENTO AMPLIFICADO SERA : Mux = 8,444.83 kg.cm

REEMPLAZANDO EN LA FORMULA :

0.848 < 1.00 OK

VERIFICACION DE CORTANTE:

$$V_U = 0.60\phi_C A_g F_Y$$

Vu = 7,051.34 > 114.90 CUMPLE

ELEMENTO : BRIDA SUPERIOR DE ARCO METALICO AS-1

DETERMINACION DE CARACTERISTICAS GEOMETRICAS DE LA SECCION (DEL LRFD)

CALCULO DE AREA

SI : 3"x3"x1/2" ENTONCES :

A =	5.50 pulg^2	→	35.484 cm^2	
A =	0.00 pulg^2	→	0.000 cm^2	
A =	0.00 pulg^2	→	0.000 cm^2	ENTONCES: 35.484 cm^2

CALCULO DE MODULO DE SECCION PLASTICO

ENTONCES :

Z =	3.87 pulg^3	→	63.418 cm^3	
Z =	0.00 pulg^3	→	0.000 cm^3	
Z =	0.00 pulg^3	→	0.000 cm^3	ENTONCES: 63.418 cm^3

CALCULO DE INERCIA

ENTONCES :

I =	4.43 pulg^4	→	184.391 cm^4	
I =	0.00 pulg^4	→	0.000 cm^4	
I =	0.00 pulg^4	→	0.000 cm^4	ENTONCES: 184.391 cm^4

SOLICITACIONES:

TENSIÓN : 33,885.00 kg
MOMENTO : 69,200.00 kg.cm
CORTANTE : 2,953.70 kg
K : 1.00

CARACTERISTICAS :

Øt : 0.90
Fy : 2,530.00 kg/cm2

CALCULO : ØtxPn = 80,796.61 kg

$\frac{Pu}{\emptyset t Pn} = 0.419 > 0.20$ UTILIZAMOS FORMULA H1.1a DEL LRFD

$$\frac{P_u}{2\phi_t P_n} + \left(\frac{M_{ux}}{\phi_b M_{nx}} + \frac{M_{uy}}{\phi_b M_{ny}}\right) \qquad \frac{P_u}{\phi_t P_n} + \frac{8}{9}\left(\frac{M_{ux}}{\phi_b M_{nx}} + \frac{M_{uy}}{\phi_b M_{ny}}\right)$$

CALCULO : ØtxMn = 144,402.64 kg.cm

0.845 < 1.00 OK

SOLICITACIONES:

COMPRESION : 17,903.20 kg
MOMENTO : 69,200.00 kg.cm
CORTANTE : 2,953.70 kg
Øc : 0.75

CARACTERISTICAS :

LONGITUD (L) : 52.50 cm.
Fy : 2,530.00 kg/cm2

LONGITUD EQUIVALENTE :

KxL = 52.50 cm. = 1.722 pie

CON ESTE VALOR HACEMOS LAS TABULACIONES (VER CUADROS)

1.000	→	165.00
2.000	→	162.00
1.722	→	162.83

POR LO TANTO:

Øt x Pn : 162.83 Klb
Øt x Pn : 162,832.68 lb
Øt x Pn : 73,859.60 kg

ENTONCES : $\frac{Pu}{\emptyset t Pn} = 0.242 > 0.20$ UTILIZAMOS FORMULA H1.1a DEL LRFD

TENEMOS QUE :

$$M_U = B_1 M_{nt} + B_2 M_{lt}$$

DONDE:

B1 Y B2 = FACTORES DE AMPLIFICACION
Mnt = MOMENTO DE ALABEO
Mlt = MOMENTO DE MARCO NO ARRIOSTRADO

PERO : Mlt = 0.00

CALCULAREMOS: $C_m = 0.6 - 0.4\left(\frac{M_1}{M_2}\right)$ Cm = 1.00

TAMBIEN: $P_{el} = \frac{\pi^2 E I_x}{(K_x L_x)2}$ Pel = 1346,291.14 kg.

POR LO TANTO : $B_1 = \frac{C_m}{1 - \frac{P_U}{P_{el}}}$ B1= 1.013

ENTONCES EL MOMENTO AMPLIFICADO SERA : Mux = 70,132.64 kg.cm

REEMPLAZANDO EN LA FORMULA :

0.674 < 1.00 OK

VERIFICACION DE CORTANTE:

$$V_U = 0.60\phi_C A_g F_Y$$

Vu = 40,398.31 > 2,953.70 CUMPLE

ELEMENTO : BRIDA INFERIOR DE ARCO METALICO AS-1

DETERMINACION DE CARACTERISTICAS GEOMETRICAS DE LA SECCION (DEL LRFD)

CALCULO DE AREA

SI : 3"x3"x1/2"	ENTONCES :	A =	5.5 pulg^2	35.484 cm^2	
		A =	0.00 pulg^2	0.000 cm^2	
		A =	0.00 pulg^2	0.000 cm^2	ENTONCES: 35.484 cm^2

CALCULO DE MODULO DE SECCION PLASTICO

	ENTONCES :	Z =	3.87 pulg^3	63.418 cm^3	
		Z =	0.00 pulg^3	0.000 cm^3	
		Z =	0.00 pulg^3	0.000 cm^3	ENTONCES: 63.418 cm^3

CALCULO DE INERCIA

	ENTONCES :	I =	4.43 pulg^4	184.391 cm^4	
		I =	0.00 pulg^4	0.000 cm^4	
		I =	0.00 pulg^4	0.000 cm^4	ENTONCES: 184.391 cm^4

SOLICITACIONES:

TENSIÓN : 21,738.30 kg
MOMENTO : 29,940.00 kg.cm
CORTANTE : 911.10 kg
K : 1.00

CARACTERISTICAS :

Øt : 0.90
Fy : 2,530.00 kg/cm2

CALCULO : ØtxPn = 80,796.61 kg

$\frac{Pu}{ØtxPn}$ = 0.269 > 0.20 UTILIZAMOS FORMULA H1.1a DEL LRFD

$$\frac{P_u}{2\phi_t P_n} + \left(\frac{M_{ux}}{\phi_b M_{nx}} + \frac{M_{uy}}{\phi_b M_{ny}}\right) \qquad \frac{P_u}{\phi_t P_n} + \frac{8}{9}\left(\frac{M_{ux}}{\phi_b M_{nx}} + \frac{M_{uy}}{\phi_b M_{ny}}\right)$$

CALCULO : ØtxMn = 144,402.64 kg.cm

0.453 < 1.00 OK

SOLICITACIONES:

COMPRESION : 57,183.50 kg
MOMENTO : 29,940.00 kg.cm
CORTANTE : 911.10 kg
Øc : 0.75

CARACTERISTICAS :

LONGITUD (L) : 50.00 cm.
Fy : 2,530.00 kg/cm2

LONGITUD EQUIVALENTE :

KxL = 50.00 cm. = 1.640 pie

CON ESTE VALOR HACEMOS LAS TABULACIONES (VER CUADROS)

1.000	→	165.00
2.000	→	162.00
1.640	→	163.08

POR LO TANTO:

Øt x Pn : 163.08 Klb
Øt x Pn : 163,078.74 lb
Øt x Pn : 73,971.21 kg

ENTONCES : $\frac{Pu}{ØtxPn}$ = 0.773 > 0.20 UTILIZAMOS FORMULA H1.1a DEL LRFD

TENEMOS QUE :

$$M_U = B_1 M_{nt} + B_2 M_{lt}$$

DONDE:

B1 Y B2 = FACTORES DE AMPLIFICACION
Mnt = MOMENTO DE ALABEO
Mlt = MOMENTO DE MARCO NO ARRIOSTRADO

PERO : Mlt = 0.00

CALCULAREMOS: $C_m = 0.6 - 0.4\left(\frac{M_1}{M_2}\right)$ Cm = 1.00

TAMBIEN: $P_{el} = \frac{\pi^2 E I_x}{(K_x L_x)^2}$ Pel = 1484,285.98 kg.

POR LO TANTO : $B_1 = \frac{C_m}{1 - \frac{P_U}{P_{el}}}$ B1= 1.040

ENTONCES EL MOMENTO AMPLIFICADO SERA : Mux = 31,139.69 kg.cm

REEMPLAZANDO EN LA FORMULA :

0.965 < 1.00 OK

VERIFICACION DE CORTANTE:

$$V_U = 0.60\phi_C A_g F_Y$$

Vu = 40,398.31 > 911.10 CUMPLE

ELEMENTO : MONTANTE DE ARCO METALICO AS-1

DETERMINACION DE CARACTERISTICAS GEOMETRICAS DE LA SECCION (DEL LRFD)

CALCULO DE AREA

SI : 2.5"x2.5"x1/4" ENTONCES :

A =	0 pulg^2	0.000 cm^2	
A =	2.38 pulg^2	15.355 cm^2	
A =	0.00 pulg^2	0.000 cm^2	ENTONCES: 15.355 cm^2

CALCULO DE MODULO DE SECCION PLASTICO

ENTONCES :

Z =	0.00 pulg^3	0.000 cm^3	
Z =	1.42 pulg^3	23.270 cm^3	
Z =	0.00 pulg^3	0.000 cm^3	ENTONCES: 23.270 cm^3

CALCULO DE INERCIA

ENTONCES :

I =	0.00 pulg^4	0.000 cm^4	
I =	1.41 pulg^4	58.689 cm^4	
I =	0.00 pulg^4	0.000 cm^4	ENTONCES: 58.689 cm^4

SOLICITACIONES:

TENSIÓN : 15,124.60 kg
MOMENTO : 15,130.00 kg.cm
CORTANTE : 339.34 kg
K : 1.00

CARACTERISTICAS :

Øt : 0.90
Fy : 2,530.00 kg/cm2

CALCULO : ØtxPn = 34,962.90 kg

$\frac{Pu}{ØtxPn}$ = 0.433 > 0.20 UTILIZAMOS FORMULA H1.1a DEL LRFD

$\frac{P_u}{2\phi_t P_n} + \left(\frac{M_{ux}}{\phi_b M_{nx}} + \frac{M_{uy}}{\phi_b M_{ny}}\right)$ $\frac{P_u}{\phi_t P_n} + \frac{8}{9}\left(\frac{M_{ux}}{\phi_b M_{nx}} + \frac{M_{uy}}{\phi_b M_{ny}}\right)$

CALCULO : ØtxMn = 52,984.95 kg.cm

0.686 < 1.00 OK

SOLICITACIONES:

COMPRESION : 15,843.70 kg
MOMENTO : 15,130.00 kg.cm
CORTANTE : 339.34 kg
Øc : 0.75

CARACTERISTICAS :

LONGITUD (L) : 85.00 cm.
Fy : 2,530.00 kg/cm2

LONGITUD EQUIVALENTE :

KxL = 85.00 cm. = 2.789 pie

CON ESTE VALOR HACEMOS LAS TABULACIONES (VER CUADROS)

2.000 →	69.00
3.000 →	65.00
2.789 →	65.85

POR LO TANTO:

Øt x Pn : 65.85 Klb
Øt x Pn : 65,845.14 lb
Øt x Pn : 29,866.83 kg

ENTONCES : $\frac{Pu}{ØtxPn}$ = 0.530 > 0.20 UTILIZAMOS FORMULA H1.1a DEL LRFD

TENEMOS QUE :

$$M_U = B_1 M_{nt} + B_2 M_{lt}$$

DONDE:

B1 Y B2 = FACTORES DE AMPLIFICACION
Mnt = MOMENTO DE ALABEO
Mlt = MOMENTO DE MARCO NO ARRIOSTRADO

PERO : Mlt = 0.00

CALCULAREMOS: $C_m = 0.6 - 0.4\left(\frac{M_1}{M_2}\right)$ Cm = 1.00

TAMBIEN: $P_{el} = \frac{\pi^2 E I_x}{(K_x L_x)2}$ Pel = 163,468.90 kg.

POR LO TANTO : $B_1 = \frac{C_m}{1 - \frac{P_U}{P_{el}}}$ B1= 1.107

ENTONCES EL MOMENTO AMPLIFICADO SERA : Mux = 16,753.81 kg.cm

REEMPLAZANDO EN LA FORMULA :

0.812 < 1.00 OK

VERIFICACION DE CORTANTE:

$$V_U = 0.60 \phi_c A_g F_y$$

Vu = 17,481.45 > 339.34 CUMPLE

ELEMENTO : DIAGONAL DE ARCO METALICO AS-1

DETERMINACION DE CARACTERISTICAS GEOMETRICAS DE LA SECCION (DEL LRFD)

CALCULO DE AREA

SI : 3"x3"x3/8"	ENTONCES :	A =	4.22 pulg^2	27.226 cm^2	
		A =	0.00 pulg^2	0.000 cm^2	
		A =	0.00 pulg^2	0.000 cm^2	ENTONCES: 27.226 cm^2

CALCULO DE MODULO DE SECCION PLASTICO

	ENTONCES :	Z =	3.00 pulg^3	49.161 cm^3	
		Z =	0.00 pulg^3	0.000 cm^3	
		Z =	0.00 pulg^3	0.000 cm^3	ENTONCES: 49.161 cm^3

CALCULO DE INERCIA

	ENTONCES :	I =	3.52 pulg^4	146.513 cm^4	
		I =	0.00 pulg^4	0.000 cm^4	
		I =	0.00 pulg^4	0.000 cm^4	ENTONCES: 146.513 cm^4

SOLICITACIONES:

TENSIÓN : 19,112.00 kg
MOMENTO : 59,300.00 kg.cm
CORTANTE : 834.60 kg
K : 1.00

CARACTERISTICAS :

Øt : 0.90
Fy : 2,530.00 kg/cm2

CALCULO : ØtxPn = 61,993.04 kg

$\frac{Pu}{\emptyset t Pn}$ = 0.308 > 0.20 UTILIZAMOS FORMULA H1.1a DEL LRFD

$\frac{P_u}{2\phi_t P_n} + \left(\frac{M_{ux}}{\phi_b M_{nx}} + \frac{M_{uy}}{\phi_b M_{ny}}\right)$ $\frac{P_u}{\phi_t P_n} + \frac{8}{9}\left(\frac{M_{ux}}{\phi_b M_{nx}} + \frac{M_{uy}}{\phi_b M_{ny}}\right)$

CALCULO : ØtxMn = 111,940.03 kg.cm

0.779 < 1.00 OK

SOLICITACIONES:

COMPRESION : 20,413.70 kg
MOMENTO : 59,300.00 kg.cm
CORTANTE : 834.60 kg
Øc : 0.75

CARACTERISTICAS :

LONGITUD (L) : 97.50 cm.
Fy : 2,530.00 kg/cm2

LONGITUD EQUIVALENTE :

KxL = 97.50 cm. = 3.199 pie

CON ESTE VALOR HACEMOS LAS TABULACIONES (VER CUADROS)

3.000 →	118.50
4.000 →	112.00
3.199 →	117.21

POR LO TANTO:

Øt x Pn : 117.21 Klb
Øt x Pn : 117,207.68 lb
Øt x Pn : 53,164.46 kg

ENTONCES : $\frac{Pu}{ØtxPn}$ = 0.384 > 0.20 UTILIZAMOS FORMULA H1.1a DEL LRFD

TENEMOS QUE :

$$M_U = B_1 M_{nt} + B_2 M_{lt}$$

DONDE:

B1 Y B2 = FACTORES DE AMPLIFICACION
Mnt = MOMENTO DE ALABEO
Mlt = MOMENTO DE MARCO NO ARRIOSTRADO

PERO : Mlt = 0.00

CALCULAREMOS: $C_m = 0.6 - 0.4\left(\frac{M_1}{M_2}\right)$ Cm = 1.00

TAMBIEN: $P_{el} = \frac{\pi^2 EI_x}{(K_x L_x)2}$ Pel = 310,161.08 kg.

POR LO TANTO : $B_1 = \frac{C_m}{1 - \frac{P_U}{P_{el}}}$ B1= 1.070

ENTONCES EL MOMENTO AMPLIFICADO SERA : Mux = 63,477.89 kg.cm

REEMPLAZANDO EN LA FORMULA :

0.888 < 1.00 OK

VERIFICACION DE CORTANTE:

$$V_U = 0.60 \phi_C A_g F_Y$$

Vu = 30,996.52 > 834.60 CUMPLE

ELEMENTO : BRIDA SUPERIOR DE ARCO METALICO AS-2

DETERMINACION DE CARACTERISTICAS GEOMETRICAS DE LA SECCION (DEL LRFD)

CALCULO DE AREA

SI : 2"x2"x1/8" ENTONCES :

A =	0.00 pulg^2	→	0.000 cm^2	
A =	0.00 pulg^2	→	0.000 cm^2	
A =	0.96 pulg^2	→	6.194 cm^2	ENTONCES: 6.194 cm^2

CALCULO DE MODULO DE SECCION PLASTICO

ENTONCES :

Z =	0.00 pulg^3	→	0.000 cm^3	
Z =	0.00 pulg^3	→	0.000 cm^3	
Z =	0.47 pulg^3	→	7.718 cm^3	ENTONCES: 7.718 cm^3

CALCULO DE INERCIA

ENTONCES :

I =	0.00 pulg^4	→	0.000 cm^4	
I =	0.00 pulg^4	→	0.000 cm^4	
I =	0.38 pulg^4	→	15.817 cm^4	ENTONCES: 15.817 cm^4

SOLICITACIONES:

TENSIÓN : 3,757.00 kg
MOMENTO : 930.00 kg.cm
CORTANTE : 29.10 kg
K : 1.00

CARACTERISTICAS :

Øt : 0.90
Fy : 2,530.00 kg/cm2

CALCULO : ØtxPn = 14,102.68 kg

$\frac{Pu}{ØtxPn}$ = 0.266 > 0.20 UTILIZAMOS FORMULA H1.1a DEL LRFD

$$\frac{P_u}{2\phi_t P_n} + \left(\frac{M_{ux}}{\phi_b M_{nx}} + \frac{M_{uy}}{\phi_b M_{ny}}\right) \qquad \frac{P_u}{\phi_t P_n} + \frac{8}{9}\left(\frac{M_{ux}}{\phi_b M_{nx}} + \frac{M_{uy}}{\phi_b M_{ny}}\right)$$

CALCULO : ØtxMn = 17,574.59 kg.cm

0.313 < 1.00 OK

SOLICITACIONES:

COMPRESION : 1,943.30 kg
MOMENTO : 930.00 kg.cm
CORTANTE : 29.10 kg
Øc : 0.75

CARACTERISTICAS :

LONGITUD (L) : 52.50 cm.
Fy : 2,530.00 kg/cm2

LONGITUD EQUIVALENTE :

KxL = 52.50 cm. = 1.722 pie

CON ESTE VALOR HACEMOS LAS TABULACIONES (VER CUADROS)

1.000	→	26.00
2.000	→	25.00
1.722	→	25.28

POR LO TANTO:

Øt x Pn : 25.28 Klb
Øt x Pn : 25,277.56 lb
Øt x Pn : 11,465.70 kg

ENTONCES : $\frac{Pu}{ØtxPn}$ = 0.169 < 0.20 UTILIZAMOS FORMULA H1.1b DEL LRFD

TENEMOS QUE :

$$M_U = B_1 M_{nt} + B_2 M_{lt}$$

DONDE:

B1 Y B2 = FACTORES DE AMPLIFICACION
Mnt = MOMENTO DE ALABEO
Mlt = MOMENTO DE MARCO NO ARRIOSTRADO

PERO : Mlt = 0.00

CALCULAREMOS: $C_m = 0.6 - 0.4\left(\frac{M_1}{M_2}\right)$ Cm = 1.00

TAMBIEN: $P_{el} = \frac{\pi^2 E I_x}{(K_x L_x)2}$ Pel = 115,483.21 kg.

POR LO TANTO : $B_1 = \frac{C_m}{1 - \frac{P_U}{P_{el}}}$ B1= 1.017

ENTONCES EL MOMENTO AMPLIFICADO SERA : Mux = 945.92 kg.cm

REEMPLAZANDO EN LA FORMULA :

0.139 < 1.00 OK

VERIFICACION DE CORTANTE:

$$V_U = 0.60\phi_C A_g F_Y$$

Vu = 7,051.34 > 29.10 CUMPLE

ELEMENTO : BRIDA INFERIOR DE ARCO METALICO AS-2

DETERMINACION DE CARACTERISTICAS GEOMETRICAS DE LA SECCION (DEL LRFD)

CALCULO DE AREA

SI : 2"x2"x3/16" ENTONCES :

A =	0.00 pulg^2	0.000 cm^2	
A =	0.00 pulg^2	0.000 cm^2	
A =	1.43 pulg^2	9.226 cm^2	ENTONCES: 9.226 cm^2

CALCULO DE MODULO DE SECCION PLASTICO

ENTONCES :

Z =	0.00 pulg^3	0.000 cm^3	
Z =	0.00 pulg^3	0.000 cm^3	
Z =	0.69 pulg^3	11.242 cm^3	ENTONCES: 11.242 cm^3

CALCULO DE INERCIA

ENTONCES :

I =	0.00 pulg^4	0.000 cm^4	
I =	0.00 pulg^4	0.000 cm^4	
I =	0.55 pulg^4	22.685 cm^4	ENTONCES: 22.685 cm^4

SOLICITACIONES:

TENSIÓN : 2,122.10 kg
MOMENTO : 1,030.00 kg.cm
CORTANTE : 36.60 kg
K : 1.00

CARACTERISTICAS :

Øt : 0.90
Fy : 2,530.00 kg/cm2

CALCULO : ØtxPn = 21,007.12 kg

$\frac{Pu}{\emptyset txPn} = 0.101$ < 0.20 UTILIZAMOS FORMULA H1.1b DEL LRFD

$$\frac{P_u}{2\phi_t P_n} + \left(\frac{M_{ux}}{\phi_b M_{nx}} + \frac{M_{uy}}{\phi_b M_{ny}}\right) \qquad \frac{P_u}{\phi_t P_n} + \frac{8}{9}\left(\frac{M_{ux}}{\phi_b M_{nx}} + \frac{M_{uy}}{\phi_b M_{ny}}\right)$$

CALCULO : ØtxMn = 25,596.95 kg.cm

0.091 < 1.00 OK

SOLICITACIONES:

COMPRESION : 11,055.40 kg
MOMENTO : 1,030.00 kg.cm
CORTANTE : 36.60 kg
Øc : 0.75

CARACTERISTICAS :

LONGITUD (L) : 50.00 cm.
Fy : 2,530.00 kg/cm2

LONGITUD EQUIVALENTE :

KxL = 50.00 cm. = 1.640 pie

CON ESTE VALOR HACEMOS LAS TABULACIONES (VER CUADROS)

1.000 →	42.00
2.000 →	40.00
1.640 →	40.72

POR LO TANTO:

Øt x Pn : 40.72 Klb
Øt x Pn : 40,719.16 lb
Øt x Pn : 18,469.89 kg

ENTONCES : $\frac{Pu}{\emptyset txPn} = 0.599$ > 0.20 UTILIZAMOS FORMULA H1.1a DEL LRFD

TENEMOS QUE :

$$M_U = B_1 M_{nt} + B_2 M_{lt}$$

DONDE:

B1 Y B2 = FACTORES DE AMPLIFICACION
Mnt = MOMENTO DE ALABEO
Mlt = MOMENTO DE MARCO NO ARRIOSTRADO

PERO : Mlt = 0.00

CALCULAREMOS: $C_m = 0.6 - 0.4\left(\frac{M_1}{M_2}\right)$ Cm = 1.00

TAMBIEN: $P_{el} = \frac{\pi^2 E I_x}{(K_x L_x)2}$ Pel = 182,604.03 kg.

POR LO TANTO: $B_1 = \frac{C_m}{1 - \frac{P_U}{P_{el}}}$ B1= 1.064

ENTONCES EL MOMENTO AMPLIFICADO SERA : Mux = 1,096.38 kg.cm

REEMPLAZANDO EN LA FORMULA :

0.637 < 1.00 OK

VERIFICACION DE CORTANTE:

$V_U = 0.60\phi_c A_g F_Y$

Vu = 10,503.56 > 36.60 CUMPLE

ELEMENTO : MONTANTE DE ARCO METALICO AS-2

DETERMINACION DE CARACTERISTICAS GEOMETRICAS DE LA SECCION (DEL LRFD)

CALCULO DE AREA

SI : 2"x2"x1/8" ENTONCES :

A =	0.00 pulg^2	0.000 cm^2	
A =	0.00 pulg^2	0.000 cm^2	
A =	0.96 pulg^2	6.194 cm^2	ENTONCES: 6.194 cm^2

CALCULO DE MODULO DE SECCION PLASTICO

ENTONCES :

Z =	0.00 pulg^3	0.000 cm^3	
Z =	0.00 pulg^3	0.000 cm^3	
Z =	0.47 pulg^3	7.718 cm^3	ENTONCES: 7.718 cm^3

CALCULO DE INERCIA

ENTONCES :

I =	0.00 pulg^4	0.000 cm^4	
I =	0.00 pulg^4	0.000 cm^4	
I =	0.38 pulg^4	15.817 cm^4	ENTONCES: 15.817 cm^4

SOLICITACIONES:

TENSIÓN : 1,213.10 kg
MOMENTO : 830.00 kg.cm
CORTANTE : 20.80 kg
K : 1.00

CARACTERISTICAS :

Øt : 0.90
Fy : 2,530.00 kg/cm2

CALCULO : ØtxPn = 14,102.68 kg

$\frac{Pu}{ØtxPn}$ = 0.086 < 0.20 UTILIZAMOS FORMULA H1.1b DEL LRFD

$\frac{P_u}{2\phi_t P_n} + \left(\frac{M_{ux}}{\phi_b M_{nx}} + \frac{M_{uy}}{\phi_b M_{ny}}\right)$ $\frac{P_u}{\phi_t P_n} + \frac{8}{9}\left(\frac{M_{ux}}{\phi_b M_{nx}} + \frac{M_{uy}}{\phi_b M_{ny}}\right)$

CALCULO : ØtxMn = 17,574.59 kg.cm

0.090 < 1.00 OK

SOLICITACIONES:

COMPRESION : 1,468.10 kg
MOMENTO : 830.00 kg.cm
CORTANTE : 20.80 kg
Øc : 0.75

CARACTERISTICAS :

LONGITUD (L) : 85.00 cm.
Fy : 2,530.00 kg/cm2

LONGITUD EQUIVALENTE :

KxL = 85.00 cm. = 2.789 pie

CON ESTE VALOR HACEMOS LAS TABULACIONES (VER CUADROS)

2.000	25.00
3.000	23.00
2.789	23.42

POR LO TANTO:

Øt x Pn : 23.42 Klb
Øt x Pn : 23,422.57 lb
Øt x Pn : 10,624.29 kg

ENTONCES : $\frac{Pu}{ØtxPn}$ = 0.138 < 0.20 UTILIZAMOS FORMULA H1.1b DEL LRFD

TENEMOS QUE :

$$M_U = B_1 M_{nt} + B_2 M_{lt}$$

DONDE:

B1 Y B2 = FACTORES DE AMPLIFICACION
Mnt = MOMENTO DE ALABEO
Mlt = MOMENTO DE MARCO NO ARRIOSTRADO

PERO : Mlt = 0.00

CALCULAREMOS: $C_m = 0.6 - 0.4\left(\frac{M_1}{M_2}\right)$ Cm = 1.00

TAMBIEN: $P_{el} = \frac{\pi^2 EI_x}{(K_x L_x)2}$ Pel = 44,055.45 kg.

POR LO TANTO : $B_1 = \frac{C_m}{1 - \frac{P_U}{P_{el}}}$ B1= 1.034

ENTONCES EL MOMENTO AMPLIFICADO SERA : Mux = 858.61 kg.cm

REEMPLAZANDO EN LA FORMULA :

0.118 < 1.00 OK

VERIFICACION DE CORTANTE:

$$V_U = 0.60\phi_C A_g F_Y$$

Vu = 7,051.34 > 20.80 CUMPLE

ELEMENTO : DIAGONAL DE ARCO METALICO AS-2

DETERMINACION DE CARACTERISTICAS GEOMETRICAS DE LA SECCION (DEL LRFD)

CALCULO DE AREA

SI : 2"x2"x1/8"	ENTONCES :	A =	0.00 pulg^2	0.000 cm^2	
		A =	0.00 pulg^2	0.000 cm^2	
		A =	0.96 pulg^2	6.194 cm^2	ENTONCES: 6.194 cm^2

CALCULO DE MODULO DE SECCION PLASTICO

	ENTONCES :	Z =	0.00 pulg^3	0.000 cm^3	
		Z =	0.00 pulg^3	0.000 cm^3	
		Z =	0.47 pulg^3	7.718 cm^3	ENTONCES: 7.718 cm^3

CALCULO DE INERCIA

	ENTONCES :	I =	0.00 pulg^4	0.000 cm^4	
		I =	0.00 pulg^4	0.000 cm^4	
		I =	0.38 pulg^4	15.817 cm^4	ENTONCES: 15.817 cm^4

SOLICITACIONES:

TENSIÓN : 1,500.30 kg
MOMENTO : 530.00 kg.cm
CORTANTE : 15.00 kg
K : 1.00

CARACTERISTICAS :

Øt : 0.90
Fy : 2,530.00 kg/cm2

CALCULO : ØtxPn = 14,102.68 kg

$\frac{Pu}{ØtxPn}$ = 0.106 < 0.20 UTILIZAMOS FORMULA H1.1b DEL LRFD

$\frac{P_u}{2\phi_t P_n} + \left(\frac{M_{ux}}{\phi_b M_{nx}} + \frac{M_{uy}}{\phi_b M_{ny}}\right)$ $\frac{P_u}{\phi_t P_n} + \frac{8}{9}\left(\frac{M_{ux}}{\phi_b M_{nx}} + \frac{M_{uy}}{\phi_b M_{ny}}\right)$

CALCULO : ØtxMn = 17,574.59 kg.cm

0.083 < 1.00 OK

SOLICITACIONES:

COMPRESION : 1,637.10 kg
MOMENTO : 530.00 kg.cm
CORTANTE : 15.00 kg
Øc : 0.75

CARACTERISTICAS :

LONGITUD (L) : 97.50 cm.
Fy : 2,530.00 kg/cm2

LONGITUD EQUIVALENTE :

KxL = 97.50 cm. = 3.199 pie

CON ESTE VALOR HACEMOS LAS TABULACIONES (VER CUADROS)

3.000 →	23.00
4.000 →	20.00
3.199 →	22.40

POR LO TANTO:

Øt x Pn : 22.40 Klb
Øt x Pn : 22,403.54 lb
Øt x Pn : 10,162.07 kg

ENTONCES : $\frac{Pu}{ØtxPn}$ = 0.161 < 0.20 UTILIZAMOS FORMULA H1.1b DEL LRFD

TENEMOS QUE :

$$M_U = B_1 M_{nt} + B_2 M_{lt}$$

DONDE:

B1 Y B2 = FACTORES DE AMPLIFICACION
Mnt = MOMENTO DE ALABEO
Mlt = MOMENTO DE MARCO NO ARRIOSTRADO

PERO : Mlt = 0.00

CALCULAREMOS: $C_m = 0.6 - 0.4\left(\frac{M_1}{M_2}\right)$ Cm = 1.00

TAMBIEN: $P_{el} = \frac{\pi^2 EI_x}{(K_x L_x)2}$ Pel = 33,483.30 kg.

POR LO TANTO : $B_1 = \frac{C_m}{1 - \frac{P_U}{P_{el}}}$ B1= 1.051

ENTONCES EL MOMENTO AMPLIFICADO SERA : Mux = 557.25 kg.cm

REEMPLAZANDO EN LA FORMULA :

0.112 < 1.00 OK

VERIFICACION DE CORTANTE:

$$V_U = 0.60\phi_C A_g F_y$$

Vu = 7,051.34 > 15.00 CUMPLE

ELEMENTO : BRIDA SUPERIOR DE ARCO METALICO AS-3

DETERMINACION DE CARACTERISTICAS GEOMETRICAS DE LA SECCION (DEL LRFD)

CALCULO DE AREA

SI : 2"x2"x1/8" ENTONCES :

A =	0.00 pulg^2	→	0.000 cm^2	
A =	0.00 pulg^2	→	0.000 cm^2	
A =	0.96 pulg^2	→	6.194 cm^2	ENTONCES: 6.194 cm^2

CALCULO DE MODULO DE SECCION PLASTICO

ENTONCES :

Z =	0.00 pulg^3	→	0.000 cm^3	
Z =	0.00 pulg^3	→	0.000 cm^3	
Z =	0.47 pulg^3	→	7.718 cm^3	ENTONCES: 7.718 cm^3

CALCULO DE INERCIA

ENTONCES :

I =	0.00 pulg^4	→	0.000 cm^4	
I =	0.00 pulg^4	→	0.000 cm^4	
I =	0.38 pulg^4	→	15.817 cm^4	ENTONCES: 15.817 cm^4

SOLICITACIONES:

TENSIÓN : 3,318.30 kg
MOMENTO : 800.00 kg.cm
CORTANTE : 23.70 kg
K : 1.00

CARACTERISTICAS :

Øt : 0.90
Fy : 2,530.00 kg/cm2

CALCULO : ØtxPn = 14,102.68 kg

$\frac{Pu}{\emptyset t Pn}$ = 0.235 > 0.20 UTILIZAMOS FORMULA H1.1a DEL LRFD

$$\frac{P_u}{2\phi_t P_n} + \left(\frac{M_{ux}}{\phi_b M_{nx}} + \frac{M_{uy}}{\phi_b M_{ny}}\right) \qquad \frac{P_u}{\phi_t P_n} + \frac{8}{9}\left(\frac{M_{ux}}{\phi_b M_{nx}} + \frac{M_{uy}}{\phi_b M_{ny}}\right)$$

CALCULO : ØtxMn = 17,574.59 kg.cm

0.276 < 1.00 OK

SOLICITACIONES:

COMPRESION : 2,174.40 kg
MOMENTO : 800.00 kg.cm
CORTANTE : 23.70 kg
Øc : 0.75

CARACTERISTICAS :

LONGITUD (L) : 52.50 cm.
Fy : 2,530.00 kg/cm2

LONGITUD EQUIVALENTE :

KxL = 52.50 cm. = 1.722 pie CON ESTE VALOR HACEMOS LAS TABULACIONES (VER CUADROS)

1.000	→	26.00
2.000	→	25.00
1.722	→	25.28

POR LO TANTO:

Øt x Pn : 25.28 Klb
Øt x Pn : 25,277.56 lb
Øt x Pn : 11,465.70 kg

ENTONCES : $\frac{Pu}{\emptyset t Pn}$ = 0.190 < 0.20 UTILIZAMOS FORMULA H1.1b DEL LRFD

TENEMOS QUE :

$$M_U = B_1 M_{nt} + B_2 M_{lt}$$

DONDE:

B1 Y B2 = FACTORES DE AMPLIFICACION
Mnt = MOMENTO DE ALABEO
Mlt = MOMENTO DE MARCO NO ARRIOSTRADO

PERO : Mlt = 0.00

CALCULAREMOS: $C_m = 0.6 - 0.4\left(\frac{M_1}{M_2}\right)$ Cm = 1.00

TAMBIEN: $P_{el} = \frac{\pi^2 E I_x}{(K_x L_x)2}$ Pel = 115,483.21 kg.

POR LO TANTO : $B_1 = \frac{C_m}{1 - \frac{P_U}{P_{el}}}$ B1= 1.019

ENTONCES EL MOMENTO AMPLIFICADO SERA : Mux = 815.35 kg.cm

REEMPLAZANDO EN LA FORMULA :

0.141 < 1.00 OK

VERIFICACION DE CORTANTE:

$$V_U = 0.60\phi_C A_g F_Y$$

Vu = 7,051.34 > 23.70 CUMPLE

ELEMENTO : BRIDA INFERIOR DE ARCO METALICO AS-3

DETERMINACION DE CARACTERISTICAS GEOMETRICAS DE LA SECCION (DEL LRFD)

CALCULO DE AREA

SI : 2"x2"x1/8" ENTONCES :

A =	0.00 pulg^2	0.000 cm^2	
A =	0.00 pulg^2	0.000 cm^2	
A =	0.96 pulg^2	6.194 cm^2	ENTONCES: 6.194 cm^2

CALCULO DE MODULO DE SECCION PLASTICO

ENTONCES :

Z =	0.00 pulg^3	0.000 cm^3	
Z =	0.00 pulg^3	0.000 cm^3	
Z =	0.47 pulg^3	7.718 cm^3	ENTONCES: 7.718 cm^3

CALCULO DE INERCIA

ENTONCES :

I =	0.00 pulg^4	0.000 cm^4	
I =	0.00 pulg^4	0.000 cm^4	
I =	0.38 pulg^4	15.817 cm^4	ENTONCES: 15.817 cm^4

SOLICITACIONES:

TENSIÓN : 3,403.30 kg
MOMENTO : 960.00 kg.cm
CORTANTE : 37.60 kg
K : 1.00

CARACTERISTICAS :

Øt : 0.90
Fy : 2,530.00 kg/cm2

CALCULO : ØtxPn = 14,102.68 kg

$\frac{Pu}{\emptyset txPn}$ = 0.241 > 0.20 UTILIZAMOS FORMULA H1.1a DEL LRFD

$$\frac{P_u}{2\phi_t P_n} + \left(\frac{M_{ux}}{\phi_b M_{nx}} + \frac{M_{uy}}{\phi_b M_{ny}}\right) \qquad \frac{P_u}{\phi_t P_n} + \frac{8}{9}\left(\frac{M_{ux}}{\phi_b M_{nx}} + \frac{M_{uy}}{\phi_b M_{ny}}\right)$$

CALCULO : ØtxMn = 17,574.59 kg.cm

0.290 < 1.00 OK

SOLICITACIONES:

COMPRESION : 8,769.60 kg
MOMENTO : 960.00 kg.cm
CORTANTE : 37.60 kg
Øc : 0.75

CARACTERISTICAS :

LONGITUD (L) : 50.00 cm.
Fy : 2,530.00 kg/cm2

LONGITUD EQUIVALENTE :

KxL = 50.00 cm. = 1.640 pie

CON ESTE VALOR HACEMOS LAS TABULACIONES (VER CUADROS)

1.000 →	26.00
2.000 →	25.00
1.640 →	25.36

POR LO TANTO:

Øt x Pn : 25.36 Klb
Øt x Pn : 25,359.58 lb
Øt x Pn : 11,502.90 kg

ENTONCES : $\frac{Pu}{\emptyset txPn}$ = 0.762 > 0.20 UTILIZAMOS FORMULA H1.1a DEL LRFD

TENEMOS QUE :

$$M_U = B_1 M_{nt} + B_2 M_{lt}$$

DONDE:

B1 Y B2 = FACTORES DE AMPLIFICACION
Mnt = MOMENTO DE ALABEO
Mlt = MOMENTO DE MARCO NO ARRIOSTRADO

PERO : Mlt = 0.00

CALCULAREMOS: $C_m = 0.6 - 0.4\left(\frac{M_1}{M_2}\right)$ Cm = 1.00

TAMBIEN: $P_{el} = \frac{\pi^2 E I_x}{(K_x L_x)2}$ Pel = 127,320.24 kg.

POR LO TANTO : $B_1 = \frac{C_m}{1 - \frac{P_U}{P_{el}}}$ B1= 1.074

ENTONCES EL MOMENTO AMPLIFICADO SERA : Mux = 1,031.01 kg.cm

REEMPLAZANDO EN LA FORMULA :

0.815 < 1.00 OK

VERIFICACION DE CORTANTE:

$V_U = 0.60\phi_C A_g F_Y$

Vu = 7,051.34 > 37.60 CUMPLE

ELEMENTO : MONTANTE DE ARCO METALICO AS-3

DETERMINACION DE CARACTERISTICAS GEOMETRICAS DE LA SECCION (DEL LRFD)

CALCULO DE AREA

SI : 2"x2"x1/8" ENTONCES :

A =	0.00 pulg^2	0.000 cm^2	
A =	0.00 pulg^2	0.000 cm^2	
A =	0.96 pulg^2	6.194 cm^2	ENTONCES: 6.194 cm^2

CALCULO DE MODULO DE SECCION PLASTICO

ENTONCES :

Z =	0.00 pulg^3	0.000 cm^3	
Z =	0.00 pulg^3	0.000 cm^3	
Z =	0.47 pulg^3	7.718 cm^3	ENTONCES: 7.718 cm^3

CALCULO DE INERCIA

ENTONCES :

I =	0.00 pulg^4	0.000 cm^4	
I =	0.00 pulg^4	0.000 cm^4	
I =	0.38 pulg^4	15.817 cm^4	ENTONCES: 15.817 cm^4

SOLICITACIONES:

TENSIÓN : 928.10 kg
MOMENTO : 800.00 kg.cm
CORTANTE : 20.00 kg
K : 1.00

CARACTERISTICAS :

Øt : 0.90
Fy : 2,530.00 kg/cm2

CALCULO : ØtxPn = 14,102.68 kg

$\frac{Pu}{ØtxPn}$ = 0.066 < 0.20 UTILIZAMOS FORMULA H1.1b DEL LRFD

$\frac{P_u}{2\phi_t P_n} + \left(\frac{M_{ux}}{\phi_b M_{nx}} + \frac{M_{uy}}{\phi_b M_{ny}}\right)$ $\frac{P_u}{\phi_t P_n} + \frac{8}{9}\left(\frac{M_{ux}}{\phi_b M_{nx}} + \frac{M_{uy}}{\phi_b M_{ny}}\right)$

CALCULO : ØtxMn = 17,574.59 kg.cm

0.078 < 1.00 OK

SOLICITACIONES:

COMPRESION : 1,113.70 kg
MOMENTO : 800.00 kg.cm
CORTANTE : 20.00 kg
Øc : 0.75

CARACTERISTICAS :

LONGITUD (L) : 85.00 cm.
Fy : 2,530.00 kg/cm2

LONGITUD EQUIVALENTE :

KxL = 85.00 cm. = 2.789 pie

CON ESTE VALOR HACEMOS LAS TABULACIONES (VER CUADROS)

2.000	23.00
3.000	20.00
2.789	20.63

POR LO TANTO:

Øt x Pn : 20.63 Klb
Øt x Pn : 20,633.86 lb
Øt x Pn : 9,359.35 kg

ENTONCES : $\frac{Pu}{ØtxPn}$ = 0.119 < 0.20 UTILIZAMOS FORMULA H1.1b DEL LRFD

TENEMOS QUE :

$$M_U = B_1 M_{nt} + B_2 M_{lt}$$

DONDE:

B1 Y B2 = FACTORES DE AMPLIFICACION
Mnt = MOMENTO DE ALABEO
Mlt = MOMENTO DE MARCO NO ARRIOSTRADO

PERO : Mlt = 0.00

CALCULAREMOS: $C_m = 0.6 - 0.4\left(\frac{M_1}{M_2}\right)$ Cm = 1.00

TAMBIEN: $P_{el} = \frac{\pi^2 EI_x}{(K_x L_x)2}$ Pel = 44,055.45 kg.

POR LO TANTO : $B_1 = \frac{C_m}{1 - \frac{P_U}{P_{el}}}$ B1= 1.026

ENTONCES EL MOMENTO AMPLIFICADO SERA : Mux = 820.75 kg.cm

REEMPLAZANDO EN LA FORMULA :

0.106 < 1.00 OK

VERIFICACION DE CORTANTE:

$$V_U = 0.60\phi_C A_g F_y$$

Vu = 7,051.34 > 20.00 CUMPLE

ELEMENTO : DIAGONAL DE ARCO METALICO AS-3

DETERMINACION DE CARACTERISTICAS GEOMETRICAS DE LA SECCION (DEL LRFD)

CALCULO DE AREA

SI : 2"x2"x1/8" ENTONCES :

A =	0.00 pulg^2	0.000 cm^2	
A =	0.00 pulg^2	0.000 cm^2	
A =	0.96 pulg^2	6.194 cm^2	ENTONCES: 6.194 cm^2

CALCULO DE MODULO DE SECCION PLASTICO

ENTONCES :

Z =	0.00 pulg^3	0.000 cm^3	
Z =	0.00 pulg^3	0.000 cm^3	
Z =	0.47 pulg^3	7.718 cm^3	ENTONCES: 7.718 cm^3

CALCULO DE INERCIA

ENTONCES :

I =	0.00 pulg^4	0.000 cm^4	
I =	0.00 pulg^4	0.000 cm^4	
I =	0.38 pulg^4	15.817 cm^4	ENTONCES: 15.817 cm^4

SOLICITACIONES:

TENSIÓN : 1,474.20 kg
MOMENTO : 510.00 kg.cm
CORTANTE : 13.60 kg
K : 1.00

CARACTERISTICAS :

Øt : 0.90
Fy : 2,530.00 kg/cm2

CALCULO : ØtxPn = 14,102.68 kg

$\frac{Pu}{ØtxPn}$ = 0.105 < 0.20 UTILIZAMOS FORMULA H1.1b DEL LRFD

$$\frac{P_u}{2\phi_t P_n} + \left(\frac{M_{ux}}{\phi_b M_{nx}} + \frac{M_{uy}}{\phi_b M_{ny}}\right) \qquad \frac{P_u}{\phi_t P_n} + \frac{8}{9}\left(\frac{M_{ux}}{\phi_b M_{nx}} + \frac{M_{uy}}{\phi_b M_{ny}}\right)$$

CALCULO : ØtxMn = 17,574.59 kg.cm

0.081 < 1.00 OK

SOLICITACIONES:

COMPRESION : 1,232.80 kg
MOMENTO : 510.00 kg.cm
CORTANTE : 13.60 kg
Øc : 0.75

CARACTERISTICAS :

LONGITUD (L) : 97.50 cm.
Fy : 2,530.00 kg/cm2

LONGITUD EQUIVALENTE :

KxL = 97.50 cm. = 3.199 pie

CON ESTE VALOR HACEMOS LAS TABULACIONES (VER CUADROS)

3.000	23.00
4.000	20.00
3.199	22.40

POR LO TANTO:

Øt x Pn : 22.40 Klb
Øt x Pn : 22,403.54 lb
Øt x Pn : 10,162.07 kg

ENTONCES : $\frac{Pu}{\emptyset t x Pn}$ = 0.121 < 0.20 UTILIZAMOS FORMULA H1.1b DEL LRFD

TENEMOS QUE :

$$M_U = B_1 M_{nt} + B_2 M_{lt}$$

DONDE:

B1 Y B2 = FACTORES DE AMPLIFICACION
Mnt = MOMENTO DE ALABEO
Mlt = MOMENTO DE MARCO NO ARRIOSTRADO

PERO : Mlt = 0.00

CALCULAREMOS: $C_m = 0.6 - 0.4\left(\frac{M_1}{M_2}\right)$ Cm = 1.00

TAMBIEN: $P_{el} = \frac{\pi^2 E I_x}{(K_x L_x)2}$ Pel = 33,483.30 kg.

POR LO TANTO : $B_1 = \frac{C_m}{1 - \frac{P_U}{P_{el}}}$ B1= 1.038

ENTONCES EL MOMENTO AMPLIFICADO SERA : Mux = 529.50 kg.cm

REEMPLAZANDO EN LA FORMULA :

0.091 < 1.00 OK

VERIFICACION DE CORTANTE:

$$V_U = 0.60 \phi_C A_g F_Y$$

Vu = 7,051.34 > 13.60 CUMPLE

ELEMENTO : BRIDA SUPERIOR DE ARCO METALICO AS-4

DETERMINACION DE CARACTERISTICAS GEOMETRICAS DE LA SECCION (DEL LRFD)

CALCULO DE AREA

SI : 2.5"x2.5"x3/16"	ENTONCES :	A =	0.00 pulg^2	0.000 cm^2	
		A =	1.80 pulg^2	11.613 cm^2	
		A =	0.00 pulg^2	0.000 cm^2	ENTONCES: 11.613 cm^2

CALCULO DE MODULO DE SECCION PLASTICO

	ENTONCES :	Z =	0.00 pulg^3	0.000 cm^3	
		Z =	1.09 pulg^3	17.862 cm^3	
		Z =	0.00 pulg^3	0.000 cm^3	ENTONCES: 17.862 cm^3

CALCULO DE INERCIA

	ENTONCES :	I =	0.00 pulg^4	0.000 cm^4	
		I =	1.09 pulg^4	45.369 cm^4	
		I =	0.00 pulg^4	0.000 cm^4	ENTONCES: 45.369 cm^4

SOLICITACIONES:

TENSIÓN : 16,668.50 kg
MOMENTO : 10,480.00 kg.cm
CORTANTE : 1,439.40 kg
K : 1.00

CARACTERISTICAS :

Øt : 0.90
Fy : 2,530.00 kg/cm2

CALCULO : ØtxPn = 26,442.53 kg

$\frac{Pu}{ØtxPn} = 0.630 > 0.20$ UTILIZAMOS FORMULA H1.1a DEL LRFD

$$\frac{P_u}{2\phi_t P_n} + \left(\frac{M_{ux}}{\phi_b M_{nx}} + \frac{M_{uy}}{\phi_b M_{ny}}\right) \qquad \frac{P_u}{\phi_t P_n} + \frac{8}{9}\left(\frac{M_{ux}}{\phi_b M_{nx}} + \frac{M_{uy}}{\phi_b M_{ny}}\right)$$

CALCULO : ØtxMn = 40,671.55 kg.cm

0.859 < 1.00 OK

SOLICITACIONES:

COMPRESION : 13,390.20 kg
MOMENTO : 10,480.00 kg.cm
CORTANTE : 1,439.40 kg
Øc : 0.75

CARACTERISTICAS :

LONGITUD (L) : 52.50 cm.
Fy : 2,530.00 kg/cm2

LONGITUD EQUIVALENTE :

KxL = 52.50 cm. = 1.722 pie

CON ESTE VALOR HACEMOS LAS TABULACIONES (VER CUADROS)

1.000	→	53.00
2.000	→	52.00
1.722	→	52.28

POR LO TANTO:

Øt x Pn : 52.28 Klb
Øt x Pn : 52,277.56 lb
Øt x Pn : 23,712.68 kg

ENTONCES : $\frac{Pu}{ØtxPn} = 0.565 > 0.20$ UTILIZAMOS FORMULA H1.1a DEL LRFD

TENEMOS QUE :

$$M_U = B_1 M_{nt} + B_2 M_{lt}$$

DONDE:

B1 Y B2 = FACTORES DE AMPLIFICACION
Mnt = MOMENTO DE ALABEO
Mlt = MOMENTO DE MARCO NO ARRIOSTRADO

PERO : Mlt = 0.00

CALCULAREMOS: $C_m = 0.6 - 0.4\left(\frac{M_1}{M_2}\right)$ Cm = 1.00

TAMBIEN: $P_{el} = \frac{\pi^2 E I_x}{(K_x L_x)2}$ Pel = 331,254.48 kg.

POR LO TANTO : $B_1 = \frac{C_m}{1 - \frac{P_U}{P_{el}}}$ B1= 1.042

ENTONCES EL MOMENTO AMPLIFICADO SERA : Mux = 10,921.48 kg.cm

REEMPLAZANDO EN LA FORMULA :

0.803 < 1.00 OK

VERIFICACION DE CORTANTE:

$$V_U = 0.60\phi_C A_g F_Y$$

Vu = 13,221.26 > 1,439.40 CUMPLE

ELEMENTO : BRIDA INFERIOR DE ARCO METALICO AS-4

DETERMINACION DE CARACTERISTICAS GEOMETRICAS DE LA SECCION (DEL LRFD)

CALCULO DE AREA

SI : 2.5"x2.5"x3/8" ENTONCES :

A =	0.00 pulg^2	0.000 cm^2	
A =	3.47 pulg^2	22.387 cm^2	
A =	0.00 pulg^2	0.000 cm^2	ENTONCES: 22.387 cm^2

CALCULO DE MODULO DE SECCION PLASTICO

ENTONCES :

Z =	0.00 pulg^3	0.000 cm^3	
Z =	2.04 pulg^3	33.430 cm^3	
Z =	0.00 pulg^3	0.000 cm^3	ENTONCES: 33.430 cm^3

CALCULO DE INERCIA

ENTONCES :

I =	0.00 pulg^4	0.000 cm^4	
I =	1.97 pulg^4	81.998 cm^4	
I =	0.00 pulg^4	0.000 cm^4	ENTONCES: 81.998 cm^4

SOLICITACIONES:

TENSIÓN : 9,846.00 kg
MOMENTO : 6,980.00 kg.cm
CORTANTE : 3,031.10 kg
K : 1.00

CARACTERISTICAS :

Øt : 0.90
Fy : 2,530.00 kg/cm2

CALCULO : ØtxPn = 50,975.32 kg

Pu / ØtxPn = 0.193 < 0.20 UTILIZAMOS FORMULA H1.1b DEL LRFD

$$\frac{P_u}{2\phi_t P_n} + \left(\frac{M_{ux}}{\phi_b M_{nx}} + \frac{M_{uy}}{\phi_b M_{ny}}\right) \qquad \frac{P_u}{\phi_t P_n} + \frac{8}{9}\left(\frac{M_{ux}}{\phi_b M_{nx}} + \frac{M_{uy}}{\phi_b M_{ny}}\right)$$

CALCULO : ØtxMn = 76,119.22 kg.cm

0.188 < 1.00 OK

SOLICITACIONES:

COMPRESION : 38,300.40 kg
MOMENTO : 6,980.00 kg.cm
CORTANTE : 3,031.10 kg
Øc : 0.75

CARACTERISTICAS :

LONGITUD (L) : 50.00 cm.
Fy : 2,530.00 kg/cm2

LONGITUD EQUIVALENTE :

KxL = 50.00 cm. = 1.640 pie

CON ESTE VALOR HACEMOS LAS TABULACIONES (VER CUADROS)

1.000 →	103.50
2.000 →	101.00
1.640 →	101.90

POR LO TANTO:

Øt x Pn : 101.90 Klb
Øt x Pn : 101,898.95 lb
Øt x Pn : 46,220.55 kg

ENTONCES : Pu / ØtxPn = 0.829 > 0.20 UTILIZAMOS FORMULA H1.1a DEL LRFD

TENEMOS QUE :

$$M_U = B_1 M_{nt} + B_2 M_{lt}$$

DONDE:

B1 Y B2 = FACTORES DE AMPLIFICACION
Mnt = MOMENTO DE ALABEO
Mlt = MOMENTO DE MARCO NO ARRIOSTRADO

PERO : Mlt = 0.00

CALCULAREMOS: $C_m = 0.6 - 0.4\left(\frac{M_1}{M_2}\right)$ Cm = 1.00

TAMBIEN: $P_{el} = \frac{\pi^2 E I_x}{(K_x L_x)2}$ Pel = 660,054.94 kg.

POR LO TANTO: $B_1 = \frac{C_m}{1 - \frac{P_U}{P_{el}}}$ B1= 1.062

ENTONCES EL MOMENTO AMPLIFICADO SERA : Mux = 7,409.97 kg.cm

REEMPLAZANDO EN LA FORMULA :

0.915 < 1.00 OK

VERIFICACION DE CORTANTE:

$V_U = 0.60\phi_C A_g F_Y$

Vu = 25,487.66 > 3,031.10 CUMPLE

ELEMENTO : MONTANTE DE ARCO METALICO AS-4

DETERMINACION DE CARACTERISTICAS GEOMETRICAS DE LA SECCION (DEL LRFD)

CALCULO DE AREA

SI : 2"x2"x1/8" ENTONCES :

A =	0.00 pulg^2	0.000 cm^2		
A =	0.00 pulg^2	0.000 cm^2		
A =	0.96 pulg^2	6.194 cm^2	ENTONCES:	6.194 cm^2

CALCULO DE MODULO DE SECCION PLASTICO

ENTONCES :

Z =	0.00 pulg^3	0.000 cm^3		
Z =	0.00 pulg^3	0.000 cm^3		
Z =	0.47 pulg^3	7.718 cm^3	ENTONCES:	7.718 cm^3

CALCULO DE INERCIA

ENTONCES :

I =	0.00 pulg^4	0.000 cm^4		
I =	0.00 pulg^4	0.000 cm^4		
I =	0.38 pulg^4	15.817 cm^4	ENTONCES:	15.817 cm^4

SOLICITACIONES:

TENSIÓN : 7,985.50 kg
MOMENTO : 5,460.00 kg.cm
CORTANTE : 125.10 kg
K : 1.00

CARACTERISTICAS :

Øt : 0.90
Fy : 2,530.00 kg/cm2

CALCULO : ØtxPn = 14,102.68 kg

$\frac{Pu}{ØtxPn}$ = 0.566 > 0.20 UTILIZAMOS FORMULA H1.1a DEL LRFD

$\frac{P_u}{2\phi_t P_n} + \left(\frac{M_{ux}}{\phi_b M_{nx}} + \frac{M_{uy}}{\phi_b M_{ny}}\right)$ $\frac{P_u}{\phi_t P_n} + \frac{8}{9}\left(\frac{M_{ux}}{\phi_b M_{nx}} + \frac{M_{uy}}{\phi_b M_{ny}}\right)$

CALCULO : ØtxMn = 17,574.59 kg.cm

0.842 < 1.00 OK

SOLICITACIONES:

COMPRESION : 2,228.50 kg
MOMENTO : 5,460.00 kg.cm
CORTANTE : 125.10 kg
Øc : 0.75

CARACTERISTICAS :

LONGITUD (L) : 85.00 cm.
Fy : 2,530.00 kg/cm2

LONGITUD EQUIVALENTE :

KxL = 85.00 cm. = 2.789 pie

CON ESTE VALOR HACEMOS LAS TABULACIONES (VER CUADROS)

2.000 →	25.00
3.000 →	23.00
2.789 →	23.42

POR LO TANTO:

Øt x Pn : 23.42 Klb
Øt x Pn : 23,422.57 lb
Øt x Pn : 10,624.29 kg

ENTONCES : $\frac{Pu}{ØtxPn}$ = 0.210 > 0.20 UTILIZAMOS FORMULA H1.1a DEL LRFD

TENEMOS QUE :

$$M_U = B_1 M_{nt} + B_2 M_{lt}$$

DONDE:

B1 Y B2 = FACTORES DE AMPLIFICACION
Mnt = MOMENTO DE ALABEO
Mlt = MOMENTO DE MARCO NO ARRIOSTRADO

PERO : Mlt = 0.00

CALCULAREMOS: $C_m = 0.6 - 0.4\left(\frac{M_1}{M_2}\right)$ Cm = 1.00

TAMBIEN: $P_{el} = \frac{\pi^2 E I_x}{(K_x L_x)2}$ Pel = 44,055.45 kg.

POR LO TANTO : $B_1 = \frac{C_m}{1 - \frac{P_U}{P_{el}}}$ B1= 1.053

ENTONCES EL MOMENTO AMPLIFICADO SERA : Mux = 5,750.90 kg.cm

REEMPLAZANDO EN LA FORMULA :

0.501 < 1.00 OK

VERIFICACION DE CORTANTE:

$$V_U = 0.60 \phi_C A_g F_Y$$

Vu = 7,051.34 > 125.10 CUMPLE

ELEMENTO : DIAGONAL DE ARCO METALICO AS-4

DETERMINACION DE CARACTERISTICAS GEOMETRICAS DE LA SECCION (DEL LRFD)

CALCULO DE AREA

SI : 2"x2"x3/16" ENTONCES :

A =	0.00 pulg^2	0.000 cm^2	
A =	0.00 pulg^2	0.000 cm^2	
A =	1.43 pulg^2	9.226 cm^2	ENTONCES: 9.226 cm^2

CALCULO DE MODULO DE SECCION PLASTICO

ENTONCES :

Z =	0.00 pulg^3	0.000 cm^3	
Z =	0.00 pulg^3	0.000 cm^3	
Z =	0.69 pulg^3	11.242 cm^3	ENTONCES: 11.242 cm^3

CALCULO DE INERCIA

ENTONCES :

I =	0.00 pulg^4	0.000 cm^4	
I =	0.00 pulg^4	0.000 cm^4	
I =	0.55 pulg^4	22.685 cm^4	ENTONCES: 22.685 cm^4

SOLICITACIONES:

TENSIÓN : 2,799.00 kg
MOMENTO : 3,980.00 kg.cm
CORTANTE : 76.90 kg
K : 1.00

CARACTERISTICAS :

Øt : 0.90
Fy : 2,530.00 kg/cm2

CALCULO : ØtxPn = 21,007.12 kg

$\frac{Pu}{ØtxPn} = 0.133$ < 0.20 UTILIZAMOS FORMULA H1.1b DEL LRFD

$\frac{P_u}{2\phi_t P_n} + \left(\frac{M_{ux}}{\phi_b M_{nx}} + \frac{M_{uy}}{\phi_b M_{ny}}\right)$ $\frac{P_u}{\phi_t P_n} + \frac{8}{9}\left(\frac{M_{ux}}{\phi_b M_{nx}} + \frac{M_{uy}}{\phi_b M_{ny}}\right)$

CALCULO : ØtxMn = 25,596.95 kg.cm

0.222 < 1.00 OK

SOLICITACIONES:

COMPRESION : 9,795.70 kg
MOMENTO : 3,980.00 kg.cm
CORTANTE : 76.90 kg
Øc : 0.75

CARACTERISTICAS :

LONGITUD (L) : 97.50 cm.
Fy : 2,530.00 kg/cm2

LONGITUD EQUIVALENTE :

KxL = 97.50 cm. = 3.199 pie

CON ESTE VALOR HACEMOS LAS TABULACIONES (VER CUADROS)

3.000	→	37.00
4.000	→	32.00
3.199	→	36.01

POR LO TANTO:

Øt x Pn : 36.01 Klb
Øt x Pn : 36,005.91 lb
Øt x Pn : 16,331.99 kg

ENTONCES : $\frac{Pu}{\emptyset t x Pn}$ = 0.600 > 0.20 UTILIZAMOS FORMULA H1.1a DEL LRFD

TENEMOS QUE :

$$M_U = B_1 M_{nt} + B_2 M_{lt}$$

DONDE:

B1 Y B2 = FACTORES DE AMPLIFICACION
Mnt = MOMENTO DE ALABEO
Mlt = MOMENTO DE MARCO NO ARRIOSTRADO

PERO : Mlt = 0.00

CALCULAREMOS: $C_m = 0.6 - 0.4\left(\frac{M_1}{M_2}\right)$ Cm = 1.00

TAMBIEN: $P_{el} = \frac{\pi^2 E I_x}{(K_x L_x)2}$ Pel = 48,022.10 kg.

POR LO TANTO : $B_1 = \frac{C_m}{1 - \frac{P_U}{P_{el}}}$ B1= 1.256

ENTONCES EL MOMENTO AMPLIFICADO SERA : Mux = 4,999.89 kg.cm

REEMPLAZANDO EN LA FORMULA :

0.773 < 1.00 OK

VERIFICACION DE CORTANTE:

$$V_U = 0.60 \phi_C A_g F_Y$$

Vu = 10,503.56 > 76.90 CUMPLE

ELEMENTO : BRIDA SUPERIOR DE ARCO METALICO AS-5

DETERMINACION DE CARACTERISTICAS GEOMETRICAS DE LA SECCION (DEL LRFD)

CALCULO DE AREA

SI :	2"x2"x1/8"	ENTONCES :	A =	0.00 pulg^2	0.000 cm^2	
			A =	0.00 pulg^2	0.000 cm^2	
			A =	0.96 pulg^2	6.194 cm^2	ENTONCES: 6.194 cm^2

CALCULO DE MODULO DE SECCION PLASTICO

ENTONCES :	Z =	0.00 pulg^3	0.000 cm^3		
	Z =	0.00 pulg^3	0.000 cm^3		
	Z =	0.47 pulg^3	7.718 cm^3	ENTONCES:	7.718 cm^3

CALCULO DE INERCIA

ENTONCES :	I =	0.00 pulg^4	0.000 cm^4		
	I =	0.00 pulg^4	0.000 cm^4		
	I =	0.38 pulg^4	15.817 cm^4	ENTONCES:	15.817 cm^4

SOLICITACIONES:

TENSIÓN : 6,347.40 kg
MOMENTO : 2,660.00 kg.cm
CORTANTE : 138.30 kg
K : 1.00

CARACTERISTICAS :

Øt : 0.90
Fy : 2,530.00 kg/cm2

CALCULO : ØtxPn = 14,102.68 kg

$\frac{Pu}{ØtxPn}$ = 0.450 > 0.20 UTILIZAMOS FORMULA H1.1a DEL LRFD

$$\frac{P_u}{2\phi_t P_n} + \left(\frac{M_{ux}}{\phi_b M_{nx}} + \frac{M_{uy}}{\phi_b M_{ny}} \right) \qquad \frac{P_u}{\phi_t P_n} + \frac{8}{9}\left(\frac{M_{ux}}{\phi_b M_{nx}} + \frac{M_{uy}}{\phi_b M_{ny}} \right)$$

CALCULO : ØtxMn = 17,574.59 kg.cm

0.585 < 1.00 OK

SOLICITACIONES:

COMPRESION : 7,624.70 kg
MOMENTO : 2,660.00 kg.cm
CORTANTE : 138.30 kg
Øc : 0.75

CARACTERISTICAS :

LONGITUD (L) : 52.50 cm.
Fy : 2,530.00 kg/cm2

LONGITUD EQUIVALENTE :

KxL = 52.50 cm. = 1.722 pie

CON ESTE VALOR HACEMOS LAS TABULACIONES (VER CUADROS)

1.000	⟶	26.00
2.000	⟶	25.00
1.722	⟶	25.28

POR LO TANTO:

Øt x Pn : 25.28 Klb
Øt x Pn : 25,277.56 lb
Øt x Pn : 11,465.70 kg

ENTONCES : $\frac{Pu}{ØtxPn}$ = 0.665 > 0.20 UTILIZAMOS FORMULA H1.1a DEL LRFD

TENEMOS QUE :

$$M_U = B_1 M_{nt} + B_2 M_{lt}$$

DONDE:

B1 Y B2 = FACTORES DE AMPLIFICACION
Mnt = MOMENTO DE ALABEO
Mlt = MOMENTO DE MARCO NO ARRIOSTRADO

PERO : Mlt = 0.00

CALCULAREMOS: $C_m = 0.6 - 0.4\left(\frac{M_1}{M_2}\right)$ Cm = 1.00

TAMBIEN: $P_{el} = \frac{\pi^2 E I_x}{(K_x L_x)2}$ Pel = 115,483.21 kg.

POR LO TANTO : $B_1 = \frac{C_m}{1 - \frac{P_U}{P_{el}}}$ B1= 1.071

ENTONCES EL MOMENTO AMPLIFICADO SERA : Mux = 2,848.04 kg.cm

REEMPLAZANDO EN LA FORMULA :

0.809 < 1.00 OK

VERIFICACION DE CORTANTE:

$$V_U = 0.60\phi_C A_g F_Y$$

Vu = 7,051.34 > 138.30 CUMPLE

ELEMENTO : BRIDA INFERIOR DE ARCO METALICO AS-5

DETERMINACION DE CARACTERISTICAS GEOMETRICAS DE LA SECCION (DEL LRFD)

CALCULO DE AREA

SI : 2"x2"x3/16" ENTONCES :

A = 0.00 pulg^2 0.000 cm^2

A = 0.00 pulg^2 0.000 cm^2

A = 1.43 pulg^2 9.226 cm^2 ENTONCES: 9.226 cm^2

CALCULO DE MODULO DE SECCION PLASTICO

ENTONCES :

Z = 0.00 pulg^3 0.000 cm^3

Z = 0.00 pulg^3 0.000 cm^3

Z = 0.69 pulg^3 11.242 cm^3 ENTONCES: 11.242 cm^3

CALCULO DE INERCIA

ENTONCES :

I = 0.00 pulg^4 0.000 cm^4

I = 0.00 pulg^4 0.000 cm^4

I = 0.55 pulg^4 22.685 cm^4 ENTONCES: 22.685 cm^4

SOLICITACIONES:

TENSIÓN : 14,309.10 kg
MOMENTO : 2,800.00 kg.cm
CORTANTE : 100.80 kg
K : 1.00

CARACTERISTICAS :

Øt : 0.90
Fy : 2,530.00 kg/cm2

CALCULO : ØtxPn = 21,007.12 kg

$\frac{Pu}{\emptyset t Pn}$ = 0.681 > 0.20 UTILIZAMOS FORMULA H1.1a DEL LRFD

$$\frac{P_u}{2\phi_t P_n} + \left(\frac{M_{ux}}{\phi_b M_{nx}} + \frac{M_{uy}}{\phi_b M_{ny}}\right) \qquad \frac{P_u}{\phi_t P_n} + \frac{8}{9}\left(\frac{M_{ux}}{\phi_b M_{nx}} + \frac{M_{uy}}{\phi_b M_{ny}}\right)$$

CALCULO : ØtxMn = 25,596.95 kg.cm

0.778 < 1.00 OK

SOLICITACIONES:

COMPRESION : 3,861.40 kg
MOMENTO : 2,800.00 kg.cm
CORTANTE : 100.80 kg
Øc : 0.75

CARACTERISTICAS :

LONGITUD (L) : 50.00 cm.
Fy : 2,530.00 kg/cm2

LONGITUD EQUIVALENTE :

KxL = 50.00 cm. = 1.640 pie

CON ESTE VALOR HACEMOS LAS TABULACIONES (VER CUADROS)

1.000 → 42.00
2.000 → 40.00
1.640 → 40.72

POR LO TANTO:

Øt x Pn : 40.72 Klb
Øt x Pn : 40,719.16 lb
Øt x Pn : 18,469.89 kg

ENTONCES : $\frac{Pu}{\emptyset t Pn}$ = 0.209 > 0.20 UTILIZAMOS FORMULA H1.1a DEL LRFD

TENEMOS QUE :

$$M_U = B_1 M_{nt} + B_2 M_{lt}$$

DONDE:

B1 Y B2 = FACTORES DE AMPLIFICACION
Mnt = MOMENTO DE ALABEO
Mlt = MOMENTO DE MARCO NO ARRIOSTRADO

PERO : Mlt = 0.00

CALCULAREMOS: $C_m = 0.6 - 0.4\left(\frac{M_1}{M_2}\right)$ Cm = 1.00

TAMBIEN: $P_{el} = \frac{\pi^2 E I_x}{(K_x L_x)2}$ Pel = 182,604.03 kg.

POR LO TANTO : $B_1 = \frac{C_m}{1 - \frac{P_U}{P_{el}}}$ B1= 1.022

ENTONCES EL MOMENTO AMPLIFICADO SERA : Mux = 2,860.49 kg.cm

REEMPLAZANDO EN LA FORMULA :

0.308 < 1.00 OK

VERIFICACION DE CORTANTE:

$V_U = 0.60\phi_C A_g F_Y$

Vu = 10,503.56 > 100.80 CUMPLE

ELEMENTO : MONTANTE DE ARCO METALICO AS-5

DETERMINACION DE CARACTERISTICAS GEOMETRICAS DE LA SECCION (DEL LRFD)

CALCULO DE AREA

SI : 2"x2"x1/8" ENTONCES :

A =	0.00 pulg^2	0.000 cm^2	
A =	0.00 pulg^2	0.000 cm^2	
A =	0.96 pulg^2	6.194 cm^2	ENTONCES: 6.194 cm^2

CALCULO DE MODULO DE SECCION PLASTICO

ENTONCES :

Z =	0.00 pulg^3	0.000 cm^3	
Z =	0.00 pulg^3	0.000 cm^3	
Z =	0.47 pulg^3	7.718 cm^3	ENTONCES: 7.718 cm^3

CALCULO DE INERCIA

ENTONCES :

I =	0.00 pulg^4	0.000 cm^4	
I =	0.00 pulg^4	0.000 cm^4	
I =	0.38 pulg^4	15.817 cm^4	ENTONCES: 15.817 cm^4

SOLICITACIONES:

TENSIÓN : 4,793.90 kg
MOMENTO : 3,120.00 kg.cm
CORTANTE : 67.40 kg
K : 1.00

CARACTERISTICAS :

Øt : 0.90
Fy : 2,530.00 kg/cm2

CALCULO : ØtxPn = 14,102.68 kg

$\frac{Pu}{ØtxPn}$ = 0.340 > 0.20 UTILIZAMOS FORMULA H1.1a DEL LRFD

$\frac{P_u}{2\phi_t P_n} + \left(\frac{M_{ux}}{\phi_b M_{nx}} + \frac{M_{uy}}{\phi_b M_{ny}}\right)$ $\frac{P_u}{\phi_t P_n} + \frac{8}{9}\left(\frac{M_{ux}}{\phi_b M_{nx}} + \frac{M_{uy}}{\phi_b M_{ny}}\right)$

CALCULO : ØtxMn = 17,574.59 kg.cm

0.498 < 1.00 OK

SOLICITACIONES:

COMPRESION : 3,077.80 kg
MOMENTO : 3,120.00 kg.cm
CORTANTE : 67.40 kg
Øc : 0.75

CARACTERISTICAS :

LONGITUD (L) : 85.00 cm.
Fy : 2,530.00 kg/cm2

LONGITUD EQUIVALENTE :

KxL = 85.00 cm. = 2.789 pie

CON ESTE VALOR HACEMOS LAS TABULACIONES (VER CUADROS)

2.000	25.00
3.000	23.00
2.789	23.42

POR LO TANTO:

Øt x Pn : 23.42 Klb
Øt x Pn : 23,422.57 lb
Øt x Pn : 10,624.29 kg

ENTONCES : $\frac{Pu}{ØtxPn}$ = 0.290 > 0.20 UTILIZAMOS FORMULA H1.1a DEL LRFD

TENEMOS QUE :

$$M_U = B_1 M_{nt} + B_2 M_{lt}$$

DONDE:

B1 Y B2 = FACTORES DE AMPLIFICACION
Mnt = MOMENTO DE ALABEO
Mlt = MOMENTO DE MARCO NO ARRIOSTRADO

PERO : Mlt = 0.00

CALCULAREMOS: $C_m = 0.6 - 0.4\left(\frac{M_1}{M_2}\right)$ Cm = 1.00

TAMBIEN: $P_{el} = \frac{\pi^2 E I_x}{(K_x L_x)2}$ Pel = 44,055.45 kg.

POR LO TANTO : $B_1 = \frac{C_m}{1 - \frac{P_U}{P_{el}}}$ B1= 1.075

ENTONCES EL MOMENTO AMPLIFICADO SERA : Mux = 3,354.34 kg.cm

REEMPLAZANDO EN LA FORMULA :

0.459 < 1.00 OK

VERIFICACION DE CORTANTE:

$$V_U = 0.60 \phi_C A_g F_Y$$

Vu = 7,051.34 > 67.40 CUMPLE

ELEMENTO : DIAGONAL DE ARCO METALICO AS-5

DETERMINACION DE CARACTERISTICAS GEOMETRICAS DE LA SECCION (DEL LRFD)

CALCULO DE AREA

SI : 2"x2"x1/8" ENTONCES :

A =	0.00 pulg^2	0.000 cm^2		
A =	0.00 pulg^2	0.000 cm^2		
A =	0.96 pulg^2	6.194 cm^2	ENTONCES:	6.194 cm^2

CALCULO DE MODULO DE SECCION PLASTICO

ENTONCES :

Z =	0.00 pulg^3	0.000 cm^3		
Z =	0.00 pulg^3	0.000 cm^3		
Z =	0.47 pulg^3	7.718 cm^3	ENTONCES:	7.718 cm^3

CALCULO DE INERCIA

ENTONCES :

I =	0.00 pulg^4	0.000 cm^4		
I =	0.00 pulg^4	0.000 cm^4		
I =	0.38 pulg^4	15.817 cm^4	ENTONCES:	15.817 cm^4

SOLICITACIONES:

TENSIÓN : 4,111.40 kg
MOMENTO : 1,760.00 kg.cm
CORTANTE : 33.30 kg
K : 1.00

CARACTERISTICAS :

Øt : 0.90
Fy : 2,530.00 kg/cm2

CALCULO : ØtxPn = 14,102.68 kg

$\frac{Pu}{ØtxPn}$ = 0.292 > 0.20 UTILIZAMOS FORMULA H1.1a DEL LRFD

$\frac{P_u}{2\phi_t P_n} + \left(\frac{M_{ux}}{\phi_b M_{nx}} + \frac{M_{uy}}{\phi_b M_{ny}}\right)$ $\frac{P_u}{\phi_t P_n} + \frac{8}{9}\left(\frac{M_{ux}}{\phi_b M_{nx}} + \frac{M_{uy}}{\phi_b M_{ny}}\right)$

CALCULO : ØtxMn = 17,574.59 kg.cm

0.381 < 1.00 OK

SOLICITACIONES:

COMPRESION : 5,365.50 kg
MOMENTO : 1,760.00 kg.cm
CORTANTE : 33.30 kg
Øc : 0.75

CARACTERISTICAS :

LONGITUD (L) : 97.50 cm.
Fy : 2,530.00 kg/cm2

LONGITUD EQUIVALENTE :

KxL = 97.50 cm. = 3.199 pie

CON ESTE VALOR HACEMOS LAS TABULACIONES (VER CUADROS)

3.000	23.00
4.000	20.00
3.199	22.40

POR LO TANTO:

Øt x Pn : 22.40 Klb
Øt x Pn : 22,403.54 lb
Øt x Pn : 10,162.07 kg

ENTONCES : $\frac{Pu}{\emptyset t x Pn}$ = 0.528 > 0.20 UTILIZAMOS FORMULA H1.1a DEL LRFD

TENEMOS QUE :

$$M_U = B_1 M_{nt} + B_2 M_{lt}$$

DONDE:

B1 Y B2 = FACTORES DE AMPLIFICACION
Mnt = MOMENTO DE ALABEO
Mlt = MOMENTO DE MARCO NO ARRIOSTRADO

PERO : Mlt = 0.00

CALCULAREMOS: $C_m = 0.6 - 0.4\left(\frac{M_1}{M_2}\right)$ Cm = 1.00

TAMBIEN: $P_{el} = \frac{\pi^2 E I_x}{(K_x L_x)2}$ Pel = 33,483.30 kg.

POR LO TANTO : $B_1 = \frac{C_m}{1 - \frac{P_U}{P_{el}}}$ B1= 1.191

ENTONCES EL MOMENTO AMPLIFICADO SERA : Mux = 2,095.85 kg.cm

REEMPLAZANDO EN LA FORMULA :

0.634 < 1.00 OK

VERIFICACION DE CORTANTE:

$$V_U = 0.60 \phi_C A_g F_Y$$

Vu = 7,051.34 > 33.30 CUMPLE

ELEMENTO : BRIDA SUPERIOR DE VIGA

DETERMINACION DE CARACTERISTICAS GEOMETRICAS DE LA SECCION (DEL LRFD)

CALCULO DE AREA

SI :	3"x3"x1/2"	ENTONCES :	A =	5.50 pulg^2	35.484 cm^2	
			A =	0.00 pulg^2	0.000 cm^2	
			A =	0.00 pulg^2	0.000 cm^2	ENTONCES: 35.484 cm^2

CALCULO DE MODULO DE SECCION PLASTICO

SI :	3"x3"x1/2"	ENTONCES :	Z =	3.87 pulg^3	63.418 cm^3	
			Z =	0.00 pulg^3	0.000 cm^3	
			Z =	0.00 pulg^3	0.000 cm^3	ENTONCES: 63.418 cm^3

CALCULO DE INERCIA

SI :	3"x3"x1/2"	ENTONCES :	I =	4.43 pulg^4	184.391 cm^4	
			I =	0.00 pulg^4	0.000 cm^4	
			I =	0.00 pulg^4	0.000 cm^4	ENTONCES: 184.391 cm^4

SOLICITACIONES:

TENSIÓN :	6,363.50 kg		
MOMENTO :	98,750.00 kg.cm	42,000.00	2.351190476
CORTANTE :	12,216.20 kg		
K :	1.00		

CARACTERISTICAS :

Øt :	0.90
Fy :	2,530.00 kg/cm2

CALCULO : ØtxPn = 80,796.61 kg

$\frac{Pu}{ØtxPn}$ = 0.079 < 0.20 UTILIZAMOS FORMULA H1.1b DEL LRFD

$$\frac{P_u}{2\phi_t P_n} + \left(\frac{M_{ux}}{\phi_b M_{nx}} + \frac{M_{uy}}{\phi_b M_{ny}}\right) \qquad \frac{P_u}{\phi_t P_n} + \frac{8}{9}\left(\frac{M_{ux}}{\phi_b M_{nx}} + \frac{M_{uy}}{\phi_b M_{ny}}\right)$$

CALCULO : ØtxMn = 144,402.64 kg.cm

0.723 < 1.00 OK

SOLICITACIONES:

COMPRESION :	27,450.30 kg	7000	3.921471429
MOMENTO :	98,750.00 kg.cm		
CORTANTE :	12,216.20 kg		
Øc :	0.75		

CARACTERISTICAS :

LONGITUD (L) :	50.00 cm.
Fy :	2,530.00 kg/cm2

LONGITUD EQUIVALENTE :

KxL = 50.00 cm. = 1.640 pie

CON ESTE VALOR HACEMOS LAS TABULACIONES (VER CUADROS)

1.000 →	165.00
2.000 →	162.00
1.640 →	163.08

POR LO TANTO:

Øt x Pn :	163.08 Klb
Øt x Pn :	163,078.74 lb
Øt x Pn :	73,971.21 kg

ENTONCES : $\frac{Pu}{ØtxPn}$ = 0.371 > 0.20 UTILIZAMOS FORMULA H1.1a DEL LRFD

TENEMOS QUE :

$$M_U = B_1 M_{nt} + B_2 M_{lt}$$

DONDE:

B1 Y B2 = FACTORES DE AMPLIFICACION
Mnt = MOMENTO DE ALABEO
Mlt = MOMENTO DE MARCO NO ARRIOSTRADO

PERO : Mlt = 0.00

CALCULAREMOS: $C_m = 0.6 - 0.4\left(\frac{M_1}{M_2}\right)$ Cm = 1.00

TAMBIEN: $P_{el} = \frac{\pi^2 E I_x}{(K_x L_x)2}$ Pel = 1484,285.98 kg.

POR LO TANTO : $B_1 = \frac{C_m}{1 - \frac{P_U}{P_{el}}}$ B1= 1.019

ENTONCES EL MOMENTO AMPLIFICADO SERA : Mux = 100,610.69 kg.cm

REEMPLAZANDO EN LA FORMULA :

0.990 < 1.00 OK

VERIFICACION DE CORTANTE:

$$V_U = 0.60\phi_C A_g F_Y$$

Vu = 40,398.31 > 12,216.20 CUMPLE

ELEMENTO : BRIDA INFERIOR DE VIGA

DETERMINACION DE CARACTERISTICAS GEOMETRICAS DE LA SECCION (DEL LRFD)

CALCULO DE AREA

SI : 2.5"x2.5"x3/16" ENTONCES :

A =	0.00 pulg^2	0.000 cm^2	
A =	1.80 pulg^2	11.613 cm^2	
A =	0.00 pulg^2	0.000 cm^2	ENTONCES: 11.613 cm^2

CALCULO DE MODULO DE SECCION PLASTICO

ENTONCES :

Z =	0.00 pulg^3	0.000 cm^3	
Z =	1.09 pulg^3	17.862 cm^3	
Z =	0.00 pulg^3	0.000 cm^3	ENTONCES: 17.862 cm^3

CALCULO DE INERCIA

ENTONCES :

I =	0.00 pulg^4	0.000 cm^4	
I =	1.09 pulg^4	45.369 cm^4	
I =	0.00 pulg^4	0.000 cm^4	ENTONCES: 45.369 cm^4

SOLICITACIONES:

TENSIÓN : 4,356.70 kg
MOMENTO : 15,770.00 kg.cm 42,000.00 0.37547619
CORTANTE : 538.10 kg
K : 1.00

CARACTERISTICAS :

Øt : 0.90
Fy : 2,530.00 kg/cm2

CALCULO : ØtxPn = 26,442.53 kg

$\frac{Pu}{ØtxPn}$ = 0.165 < 0.20 UTILIZAMOS FORMULA H1.1b DEL LRFD

$$\frac{P_u}{2\phi_t P_n} + \left(\frac{M_{ux}}{\phi_b M_{nx}} + \frac{M_{uy}}{\phi_b M_{ny}}\right) \qquad \frac{P_u}{\phi_t P_n} + \frac{8}{9}\left(\frac{M_{ux}}{\phi_b M_{nx}} + \frac{M_{uy}}{\phi_b M_{ny}}\right)$$

CALCULO : ØtxMn = 40,671.55 kg.cm

0.470 < 1.00 OK

SOLICITACIONES:

COMPRESION : 7,893.70 kg 7000 1.127671429
MOMENTO : 15,770.00 kg.cm
CORTANTE : 538.10 kg
Øc : 0.75

CARACTERISTICAS :

LONGITUD (L) : 50.00 cm.
Fy : 2,530.00 kg/cm2

LONGITUD EQUIVALENTE :

KxL = 50.00 cm. = 1.640 pie CON ESTE VALOR HACEMOS LAS TABULACIONES (VER CUADROS)

1.000 →	53.00
2.000 →	52.00
1.640 →	52.36

POR LO TANTO:

Øt x Pn : 52.36 Klb
Øt x Pn : 52,359.58 lb
Øt x Pn : 23,749.89 kg

ENTONCES : $\frac{Pu}{ØtxPn}$ = 0.332 > 0.20 UTILIZAMOS FORMULA H1.1a DEL LRFD

TENEMOS QUE :

$$M_U = B_1 M_{nt} + B_2 M_{lt}$$

DONDE:

B1 Y B2 = FACTORES DE AMPLIFICACION
Mnt = MOMENTO DE ALABEO
Mlt = MOMENTO DE MARCO NO ARRIOSTRADO

PERO : Mlt = 0.00

CALCULAREMOS: $C_m = 0.6 - 0.4\left(\frac{M_1}{M_2}\right)$ Cm = 1.00

TAMBIEN: $P_{el} = \frac{\pi^2 E I_x}{(K_x L_x)2}$ Pel = 365,208.06 kg.

POR LO TANTO : $B_1 = \frac{C_m}{1 - \frac{P_U}{P_{el}}}$ B1= 1.022

ENTONCES EL MOMENTO AMPLIFICADO SERA : Mux = 16,118.39 kg.cm

REEMPLAZANDO EN LA FORMULA :

0.685 < 1.00 OK

VERIFICACION DE CORTANTE:

$V_U = 0.60\phi_C A_g F_Y$

Vu = 13,221.26 > 538.10 CUMPLE

ELEMENTO : MONTANTE DE VIGA

DETERMINACION DE CARACTERISTICAS GEOMETRICAS DE LA SECCION (DEL LRFD)

CALCULO DE AREA

SI : 3"x3"x1/4" ENTONCES :

A =	2.88 pulg^2	18.581 cm^2	
A =	0.00 pulg^2	0.000 cm^2	
A =	0.00 pulg^2	0.000 cm^2	ENTONCES: 18.581 cm^2

CALCULO DE MODULO DE SECCION PLASTICO

ENTONCES :

Z =	2.08 pulg^3	34.085 cm^3	
Z =	0.00 pulg^3	0.000 cm^3	
Z =	0.00 pulg^3	0.000 cm^3	ENTONCES: 34.085 cm^3

CALCULO DE INERCIA

ENTONCES :

I =	2.49 pulg^4	103.642 cm^4	
I =	0.00 pulg^4	0.000 cm^4	
I =	0.00 pulg^4	0.000 cm^4	ENTONCES: 103.642 cm^4

SOLICITACIONES:

TENSIÓN : 5,148.70 kg
MOMENTO : 23,540.00 kg.cm 42,000.00 0.56047619
CORTANTE : 942.30 kg
K : 1.00

CARACTERISTICAS :

Øt : 0.90
Fy : 2,530.00 kg/cm2

CALCULO : ØtxPn = 42,308.04 kg

$\frac{Pu}{ØtxPn}$ = 0.122 < 0.20 UTILIZAMOS FORMULA H1.1b DEL LRFD

$\frac{P_u}{2\phi_t P_n} + \left(\frac{M_{ux}}{\phi_b M_{nx}} + \frac{M_{uy}}{\phi_b M_{ny}}\right)$ $\frac{P_u}{\phi_t P_n} + \frac{8}{9}\left(\frac{M_{ux}}{\phi_b M_{nx}} + \frac{M_{uy}}{\phi_b M_{ny}}\right)$

CALCULO : ØtxMn = 77,611.76 kg.cm

0.364 < 1.00 OK

SOLICITACIONES:

COMPRESION : 23,617.60 kg 7000 3.373942857
MOMENTO : 23,540.00 kg.cm
CORTANTE : 942.30 kg
Øc : 0.75

CARACTERISTICAS :

LONGITUD (L) : 70.00 cm.
Fy : 2,530.00 kg/cm2

LONGITUD EQUIVALENTE :

Kxl. = 70.00 cm. = 2.297 pie CON ESTE VALOR HACEMOS LAS TABULACIONES (VER CUADROS)

2.000 →	85.00
3.000 →	81.00
2.297 →	83.81

POR LO TANTO:

Øt x Pn : 83.81 Klb
Øt x Pn : 83,813.65 lb
Øt x Pn : 38,017.20 kg

ENTONCES : $\frac{Pu}{ØtxPn}$ = 0.621 > 0.20 UTILIZAMOS FORMULA H1.1a DEL LRFD

TENEMOS QUE :

$$M_U = B_1 M_{nt} + B_2 M_{lt}$$

DONDE:

B1 Y B2 = FACTORES DE AMPLIFICACION
Mnt = MOMENTO DE ALABEO
Mlt = MOMENTO DE MARCO NO ARRIOSTRADO

PERO : Mlt = 0.00

CALCULAREMOS: $C_m = 0.6 - 0.4\left(\frac{M_1}{M_2}\right)$ Cm = 1.00

TAMBIEN: $P_{el} = \frac{\pi^2 E I_x}{(K_x L_x)2}$ Pel = 425,654.41 kg.

POR LO TANTO : $B_1 = \frac{C_m}{1 - \frac{P_U}{P_{el}}}$ B1= 1.059

ENTONCES EL MOMENTO AMPLIFICADO SERA : Mux = 24,922.85 kg.cm

REEMPLAZANDO EN LA FORMULA :

0.907 < 1.00 OK

VERIFICACION DE CORTANTE:

$$V_U = 0.60 \phi_C A_g F_Y$$

Vu = 21,154.02 > 942.30 CUMPLE

ELEMENTO : DIAGONAL DE VIGA

DETERMINACION DE CARACTERISTICAS GEOMETRICAS DE LA SECCION (DEL LRFD)

CALCULO DE AREA

SI : 2.5"x2.5"x3/16"	ENTONCES :	A =	0.00 pulg^2	0.000 cm^2	
		A =	1.80 pulg^2	11.613 cm^2	
		A =	0.00 pulg^2	0.000 cm^2	ENTONCES: 11.613 cm^2

CALCULO DE MODULO DE SECCION PLASTICO

ENTONCES :	Z =	0.00 pulg^3	0.000 cm^3	
	Z =	1.09 pulg^3	17.862 cm^3	
	Z =	0.00 pulg^3	0.000 cm^3	ENTONCES: 17.862 cm^3

CALCULO DE INERCIA

ENTONCES :	I =	0.00 pulg^4	0.000 cm^4	
	I =	1.09 pulg^4	45.369 cm^4	
	I =	0.00 pulg^4	0.000 cm^4	ENTONCES: 45.369 cm^4

SOLICITACIONES:

TENSIÓN : 12,426.70 kg
MOMENTO : 6,600.00 kg.cm 42,000.00 0.157142857
CORTANTE : 113.40 kg
K : 1.00

CARACTERISTICAS :

Øt : 0.90
Fy : 2,530.00 kg/cm2

CALCULO : ØtxPn = 26,442.53 kg

Pu / ØtxPn	=	0.470	>	0.20	UTILIZAMOS FORMULA H1.1a DEL LRFD

$$\frac{P_u}{2\phi_t P_n} + \left(\frac{M_{ux}}{\phi_b M_{nx}} + \frac{M_{uy}}{\phi_b M_{ny}}\right) \qquad \frac{P_u}{\phi_t P_n} + \frac{8}{9}\left(\frac{M_{ux}}{\phi_b M_{nx}} + \frac{M_{uy}}{\phi_b M_{ny}}\right)$$

CALCULO : ØtxMn = 40,671.55 kg.cm

0.614 < 1.00 OK

SOLICITACIONES:

COMPRESION : 2,720.90 kg 7000 0.3887
MOMENTO : 6,600.00 kg.cm
CORTANTE : 113.40 kg
Øc : 0.75

CARACTERISTICAS :

LONGITUD (L) : 85.00 cm.
Fy : 2,530.00 kg/cm2

LONGITUD EQUIVALENTE :

KxL = 85.00 cm. = 2.789 pie

CON ESTE VALOR HACEMOS LAS TABULACIONES (VER CUADROS)

2.000	52.00
3.000	48.00
2.789	48.85

POR LO TANTO:

Øt x Pn : 48.85 Klb
Øt x Pn : 48,845.14 lb
Øt x Pn : 22,155.77 kg

ENTONCES : $\frac{Pu}{\emptyset t x Pn}$ = 0.123 < 0.20 UTILIZAMOS FORMULA H1.1b DEL LRFD

TENEMOS QUE :

$$M_U = B_1 M_{nt} + B_2 M_{lt}$$

DONDE:

B1 Y B2 = FACTORES DE AMPLIFICACION
Mnt = MOMENTO DE ALABEO
Mlt = MOMENTO DE MARCO NO ARRIOSTRADO

PERO : Mlt = 0.00

CALCULAREMOS:

$$C_m = 0.6 - 0.4\left(\frac{M_1}{M_2}\right)$$

Cm = 1.00

TAMBIEN:

$$P_{el} = \frac{\pi^2 E I_x}{(K_x L_x)2}$$

Pel = 126,369.57 kg.

POR LO TANTO :

$$B_1 = \frac{C_m}{1 - \frac{P_U}{P_{el}}}$$

B1= 1.022

ENTONCES EL MOMENTO AMPLIFICADO SERA : Mux = 6,745.23 kg.cm

REEMPLAZANDO EN LA FORMULA :

0.227 < 1.00 OK

VERIFICACION DE CORTANTE:

$$V_U = 0.60 \phi_C A_g F_Y$$

Vu = 13,221.26 > 113.40 CUMPLE

ELEMENTO : BRIDA SUPERIOR DE TECHO ORNAMENTAL

DETERMINACION DE CARACTERISTICAS GEOMETRICAS DE LA SECCION (DEL LRFD)

CALCULO DE AREA

SI :	2"x2"x1/8"	ENTONCES :	A =	0.00 pulg^2	0.000 cm^2	
			A =	0.00 pulg^2	0.000 cm^2	
			A =	0.96 pulg^2	6.194 cm^2	ENTONCES: 6.194 cm^2

CALCULO DE MODULO DE SECCION PLASTICO

ENTONCES :	Z =	0.00 pulg^3	0.000 cm^3		
	Z =	0.00 pulg^3	0.000 cm^3		
	Z =	0.47 pulg^3	7.718 cm^3	ENTONCES:	7.718 cm^3

CALCULO DE INERCIA

ENTONCES :	I =	0.00 pulg^4	0.000 cm^4		
	I =	0.00 pulg^4	0.000 cm^4		
	I =	0.38 pulg^4	15.817 cm^4	ENTONCES:	15.817 cm^4

SOLICITACIONES:

TENSIÓN :	1,818.10 kg			
MOMENTO :	9,530.00 kg.cm	42,000.00	0.226904762	
CORTANTE :	272.90 kg			
K :	1.00			

CARACTERISTICAS :

Øt :	0.90
Fy :	2,530.00 kg/cm2

CALCULO : ØtxPn = 14,102.68 kg

$\frac{Pu}{ØtxPn}$ = 0.129 < 0.20 UTILIZAMOS FORMULA H1.1b DEL LRFD

$$\frac{P_u}{2\phi_t P_n} + \left(\frac{M_{ux}}{\phi_b M_{nx}} + \frac{M_{uy}}{\phi_b M_{ny}}\right) \qquad \frac{P_u}{\phi_t P_n} + \frac{8}{9}\left(\frac{M_{ux}}{\phi_b M_{nx}} + \frac{M_{uy}}{\phi_b M_{ny}}\right)$$

CALCULO : ØtxMn = 17,574.59 kg.cm

0.607 < 1.00 OK

SOLICITACIONES:

COMPRESION :	4,904.80 kg	7000	0.700685714
MOMENTO :	9,530.00 kg.cm		
CORTANTE :	272.90 kg		
Øc :	0.75		

CARACTERISTICAS :

LONGITUD (L) :	37.00 cm.
Fy :	2,530.00 kg/cm2

LONGITUD EQUIVALENTE :

KxL = 37.00 cm. = 1.214 pie

CON ESTE VALOR HACEMOS LAS TABULACIONES (VER CUADROS)

1.000 →	26.00
2.000 →	25.00
1.214 →	25.79

POR LO TANTO:

Øt x Pn :	25.79 Klb
Øt x Pn :	25,786.09 lb
Øt x Pn :	11,696.36 kg

ENTONCES : $\frac{Pu}{ØtxPn}$ = 0.419 > 0.20 UTILIZAMOS FORMULA H1.1a DEL LRFD

TENEMOS QUE :

$$M_U = B_1 M_{nt} + B_2 M_{lt}$$

DONDE:

B1 Y B2 = FACTORES DE AMPLIFICACION
Mnt = MOMENTO DE ALABEO
Mlt = MOMENTO DE MARCO NO ARRIOSTRADO

PERO : Mlt = 0.00

CALCULAREMOS: $C_m = 0.6 - 0.4\left(\frac{M_1}{M_2}\right)$ Cm = 1.00

TAMBIEN: $P_{el} = \frac{\pi^2 E I_x}{(K_x L_x)2}$ Pel = 232,505.92 kg.

POR LO TANTO : $B_1 = \frac{C_m}{1 - \frac{P_U}{P_{el}}}$ B1= 1.022

ENTONCES EL MOMENTO AMPLIFICADO SERA : Mux = 9,735.37 kg.cm

REEMPLAZANDO EN LA FORMULA :

0.912 < 1.00 OK

VERIFICACION DE CORTANTE:

$$V_U = 0.60\phi_C A_g F_y$$

Vu = 7,051.34 > 272.90 CUMPLE

ELEMENTO : BRIDA INFERIOR DE TECHO ORNAMENTAL

DETERMINACION DE CARACTERISTICAS GEOMETRICAS DE LA SECCION (DEL LRFD)

CALCULO DE AREA

SI : 2"x2"x1/8"	ENTONCES :	A =	0.00 pulg^2	0.000 cm^2	
		A =	0.00 pulg^2	0.000 cm^2	
		A =	0.96 pulg^2	6.194 cm^2	ENTONCES: 6.194 cm^2

CALCULO DE MODULO DE SECCION PLASTICO

	ENTONCES :	Z =	0.00 pulg^3	0.000 cm^3	
		Z =	0.00 pulg^3	0.000 cm^3	
		Z =	0.47 pulg^3	7.718 cm^3	ENTONCES: 7.718 cm^3

CALCULO DE INERCIA

	ENTONCES :	I =	0.00 pulg^4	0.000 cm^4	
		I =	0.00 pulg^4	0.000 cm^4	
		I =	0.38 pulg^4	15.817 cm^4	ENTONCES: 15.817 cm^4

SOLICITACIONES:

TENSIÓN : 993.80 kg
MOMENTO : 5,470.00 kg.cm 42,000.00 0.130238095
CORTANTE : 158.60 kg
K : 1.00

CARACTERISTICAS :

Øt : 0.90
Fy : 2,530.00 kg/cm2

CALCULO : ØtxPn = 14,102.68 kg

$\frac{Pu}{\emptyset t x Pn}$ = 0.070 < 0.20 UTILIZAMOS FORMULA H1.1b DEL LRFD

$$\frac{P_u}{2\phi_t P_n} + \left(\frac{M_{ux}}{\phi_b M_{nx}} + \frac{M_{uy}}{\phi_b M_{ny}}\right) \qquad \frac{P_u}{\phi_t P_n} + \frac{8}{9}\left(\frac{M_{ux}}{\phi_b M_{nx}} + \frac{M_{uy}}{\phi_b M_{ny}}\right)$$

CALCULO : ØtxMn = 17,574.59 kg.cm

0.346 < 1.00 OK

SOLICITACIONES:

COMPRESION : 3,962.40 kg 7000 0.566057143
MOMENTO : 5,470.00 kg.cm
CORTANTE : 158.60 kg
Øc : 0.75

CARACTERISTICAS :

LONGITUD (L) : 37.00 cm.
Fy : 2,530.00 kg/cm2

LONGITUD EQUIVALENTE :

KxL = 37.00 cm. = 1.214 pie

CON ESTE VALOR HACEMOS LAS TABULACIONES (VER CUADROS)

1.000 →	26.00
2.000 →	25.00
1.214 →	25.79

POR LO TANTO:

Øt x Pn : 25.79 Klb
Øt x Pn : 25,786.09 lb
Øt x Pn : 11,696.36 kg

ENTONCES : $\frac{Pu}{\emptyset t x Pn}$ = 0.339 > 0.20 UTILIZAMOS FORMULA H1.1a DEL LRFD

TENEMOS QUE :

$$M_U = B_1 M_{nt} + B_2 M_{lt}$$

DONDE:

B1 Y B2 = FACTORES DE AMPLIFICACION
Mnt = MOMENTO DE ALABEO
Mlt = MOMENTO DE MARCO NO ARRIOSTRADO

PERO : Mlt = 0.00

CALCULAREMOS: $C_m = 0.6 - 0.4\left(\frac{M_1}{M_2}\right)$ Cm = 1.00

TAMBIEN: $P_{el} = \frac{\pi^2 E I_x}{(K_x L_x)2}$ Pel = 232,505.92 kg.

POR LO TANTO : $B_1 = \frac{C_m}{1 - \frac{P_U}{P_{el}}}$ B1= 1.017

ENTONCES EL MOMENTO AMPLIFICADO SERA : Mux = 5,564.84 kg.cm

REEMPLAZANDO EN LA FORMULA :

0.620 < 1.00 OK

VERIFICACION DE CORTANTE:

$$V_U = 0.60\phi_C A_g F_Y$$

Vu = 7,051.34 > 158.60 CUMPLE

ELEMENTO : MONTANTE DE TECHO ORNAMENTAL

DETERMINACION DE CARACTERISTICAS GEOMETRICAS DE LA SECCION (DEL LRFD)

CALCULO DE AREA

SI : 2"x2"x1/8" ENTONCES :

A =	0.00 pulg^2	0.000 cm^2	
A =	0.00 pulg^2	0.000 cm^2	
A =	0.96 pulg^2	6.194 cm^2	ENTONCES: 6.194 cm^2

CALCULO DE MODULO DE SECCION PLASTICO

ENTONCES :

Z =	0.00 pulg^3	0.000 cm^3	
Z =	0.00 pulg^3	0.000 cm^3	
Z =	0.47 pulg^3	7.718 cm^3	ENTONCES: 7.718 cm^3

CALCULO DE INERCIA

ENTONCES :

I =	0.00 pulg^4	0.000 cm^4	
I =	0.00 pulg^4	0.000 cm^4	
I =	0.38 pulg^4	15.817 cm^4	ENTONCES: 15.817 cm^4

SOLICITACIONES:

TENSIÓN : 1,223.00 kg
MOMENTO : 1,170.00 kg.cm 42,000.00 0.027857143
CORTANTE : 72.70 kg
K : 1.00

CARACTERISTICAS :

Øt : 0.90
Fy : 2,530.00 kg/cm2

CALCULO : ØtxPn = 14,102.68 kg

$\frac{Pu}{ØtxPn}$ = 0.087 < 0.20 UTILIZAMOS FORMULA H1.1b DEL LRFD

$\frac{P_u}{2\phi_t P_n} + \left(\frac{M_{ux}}{\phi_b M_{nx}} + \frac{M_{uy}}{\phi_b M_{ny}}\right)$ $\frac{P_u}{\phi_t P_n} + \frac{8}{9}\left(\frac{M_{ux}}{\phi_b M_{nx}} + \frac{M_{uy}}{\phi_b M_{ny}}\right)$

CALCULO : ØtxMn = 17,574.59 kg.cm

0.110 < 1.00 OK

SOLICITACIONES:

COMPRESION : 484.00 kg 7000 0.069142857
MOMENTO : 1,170.00 kg.cm
CORTANTE : 72.70 kg
Øc : 0.75

CARACTERISTICAS :

LONGITUD (L) : 35.00 cm.
Fy : 2,530.00 kg/cm2

LONGITUD EQUIVALENTE :

KxL = 35.00 cm. = 1.148 pie

CON ESTE VALOR HACEMOS LAS TABULACIONES (VER CUADROS)

1.000 →	26.00
2.000 →	25.00
1.148 →	25.85

POR LO TANTO:

Øt x Pn : 25.85 Klb
Øt x Pn : 25,851.71 lb
Øt x Pn : 11,726.13 kg

ENTONCES : $\frac{Pu}{ØtxPn}$ = 0.041 < 0.20 UTILIZAMOS FORMULA H1.1b DEL LRFD

TENEMOS QUE :

$$M_U = B_1 M_{nt} + B_2 M_{lt}$$

DONDE:

B1 Y B2 = FACTORES DE AMPLIFICACION
Mnt = MOMENTO DE ALABEO
Mlt = MOMENTO DE MARCO NO ARRIOSTRADO

PERO : Mlt = 0.00

CALCULAREMOS: $C_m = 0.6 - 0.4\left(\frac{M_1}{M_2}\right)$ Cm = 1.00

TAMBIEN: $P_{el} = \frac{\pi^2 E I_x}{(K_x L_x)2}$ Pel = 259,837.23 kg.

POR LO TANTO : $B_1 = \frac{C_m}{1 - \frac{P_U}{P_{el}}}$ B1= 1.002

ENTONCES EL MOMENTO AMPLIFICADO SERA : Mux = 1,172.18 kg.cm

REEMPLAZANDO EN LA FORMULA :

0.087 < 1.00 OK

VERIFICACION DE CORTANTE:

$$V_U = 0.60 \phi_C A_g F_Y$$

Vu = 7,051.34 > 72.70 CUMPLE

ELEMENTO : DIAGONAL DE TECHO ORNAMENTAL

DETERMINACION DE CARACTERISTICAS GEOMETRICAS DE LA SECCION (DEL LRFD)

CALCULO DE AREA

SI : 2"x2"x1/8" ENTONCES :

A =	0.00 pulg^2	0.000 cm^2	
A =	0.00 pulg^2	0.000 cm^2	
A =	0.96 pulg^2	6.194 cm^2	ENTONCES: 6.194 cm^2

CALCULO DE MODULO DE SECCION PLASTICO

ENTONCES :

Z =	0.00 pulg^3	0.000 cm^3	
Z =	0.00 pulg^3	0.000 cm^3	
Z =	0.47 pulg^3	7.718 cm^3	ENTONCES: 7.718 cm^3

CALCULO DE INERCIA

ENTONCES :

I =	0.00 pulg^4	0.000 cm^4	
I =	0.00 pulg^4	0.000 cm^4	
I =	0.38 pulg^4	15.817 cm^4	ENTONCES: 15.817 cm^4

SOLICITACIONES:

TENSIÓN : 621.70 kg
MOMENTO : 1,010.00 kg.cm 42,000.00 0.024047619
CORTANTE : 31.80 kg
K : 1.00

CARACTERISTICAS :

Øt : 0.90
Fy : 2,530.00 kg/cm2

CALCULO : ØtxPn = 14,102.68 kg

$\frac{Pu}{ØtxPn}$ = 0.044 < 0.20 UTILIZAMOS FORMULA H1.1b DEL LRFD

$\frac{P_u}{2\phi_t P_n} + \left(\frac{M_{ux}}{\phi_b M_{nx}} + \frac{M_{uy}}{\phi_b M_{ny}}\right)$ $\frac{P_u}{\phi_t P_n} + \frac{8}{9}\left(\frac{M_{ux}}{\phi_b M_{nx}} + \frac{M_{uy}}{\phi_b M_{ny}}\right)$

CALCULO : ØtxMn = 17,574.59 kg.cm

0.080 < 1.00 OK

SOLICITACIONES:

COMPRESION : 1,036.60 kg 7000 0.148085714
MOMENTO : 1,010.00 kg.cm
CORTANTE : 31.80 kg
Øc : 0.75

CARACTERISTICAS :

LONGITUD (L) : 52.50 cm.
Fy : 2,530.00 kg/cm2

LONGITUD EQUIVALENTE :

KxL = 52.50 cm. = 1.722 pie

CON ESTE VALOR HACEMOS LAS TABULACIONES (VER CUADROS)

1.000	26.00
2.000	25.00
1.722	25.28

POR LO TANTO:

Øt x Pn : 25.28 Klb
Øt x Pn : 25,277.56 lb
Øt x Pn : 11,465.70 kg

ENTONCES : $\frac{Pu}{\emptyset t x Pn}$ = 0.090 < 0.20 UTILIZAMOS FORMULA H1.1b DEL LRFD

TENEMOS QUE :

$$M_U = B_1 M_{nt} + B_2 M_{lt}$$

DONDE:

B1 Y B2 = FACTORES DE AMPLIFICACION
Mnt = MOMENTO DE ALABEO
Mlt = MOMENTO DE MARCO NO ARRIOSTRADO

PERO : Mlt = 0.00

CALCULAREMOS: $C_m = 0.6 - 0.4\left(\frac{M_1}{M_2}\right)$ Cm = 1.00

TAMBIEN: $P_{el} = \frac{\pi^2 E I_x}{(K_x L_x)2}$ Pel = 115,483.21 kg.

POR LO TANTO : $B_1 = \frac{C_m}{1 - \frac{P_U}{P_{el}}}$ B1= 1.009

ENTONCES EL MOMENTO AMPLIFICADO SERA : Mux = 1,019.15 kg.cm

REEMPLAZANDO EN LA FORMULA :

0.103 < 1.00 OK

VERIFICACION DE CORTANTE:

$$V_U = 0.60 \phi_C A_g F_Y$$

Vu = 7,051.34 > 31.80 CUMPLE

ANEXO VIII

DISEÑO DE ARCOS METALICOS CON CRITERIO ASD

Diseño Estructural de Arco Metálico AP-1 por el Método ASD

Brida Superior

Datos del Elemento: Doble Ángulo 4"x4"x1/2"

Esfuerzo de Fluencia (kg/cm2):	$fy := 2530$
Módulo de Elásticidad (kg/cm2):	$E := 2040000$
Coeficiente de Esbeltez:	$k := 0.50$
Longitud del Elemento (cm):	$L := 50.00$
Radio de Giro (cm):	$r := 3.099$
Sección del Elemento (cm2):	$Ag := 48.387$
Esfuerzo Axial Último (kg):	$Pu := 16132.61$
Momento Flector Último (kg.cm):	$Mu := 211114$
Cortante Ultimo (kg):	$Vu := 4445.68$
Momento de Inercia (cm4):	$I := 462.017$
Distancia de la fibra extrema al eje neutro (cm):	$c := 2.997$

a. Diseño a Tensión

Determinamos la relación de Esbeltez Cc

$$cc := \left[\frac{\left(2 \cdot 3.1416^2 E\right)}{fy}\right]^{0.5} = 126.16$$

Determinamos el esfuerzo a ténsión adminisble del elemento:

$$fa := \frac{\left[\left[1 - \frac{\left(\frac{k \cdot L}{r}\right)^2}{2cc^2}\right]^1 fy\right]}{\frac{5}{3} + 3\frac{\left(\frac{k \cdot L}{r}\right)}{8 \cdot cc} - \frac{\left(\frac{k \cdot L}{r}\right)^3}{8 \cdot cc^3}} = 1493.439$$

Determinamos la carga axial admisible:

$$Padm := fa \cdot Ag = 72263.05$$

$Padm > Pu$ ok !!!!!

b. Diseño por Momento Flector

Determinamos el momento admisible para flexión:

$$fb := 0.66 \cdot fy = 1669.8$$

Determinamos el módulo de sección requerido:

$$Sreq := \frac{Mu}{fb} = 126.43071$$

Para la sección propuesta determinamos el módulo de sección:

$$S := \frac{I}{c} = 154.1598$$

$S > Sreq$ ok !!!!!

b. Diseño por Esfuerzo Cortante:

Tenemos en cuenta el cortante admisible determinada según el ASD:

$$fv := 0.40 \cdot fy = 1012.00$$

Para la sección del elemento tenemos que el esfuerzo último a la cortante es:

$$Vadm := Ag \cdot fv = 48967.64$$

$Vadm > Vu$ ok !!!!!

Diseño Estructural de Arco Metálico AP-1 por el Método ASD

Brida Inferior

Datos del Elemento: Doble Ángulo 2.1/2"x2.1/2"x3/16"

Esfuerzo de Fluencia (kg/cm2):	$fy := 2530$
Módulo de Elásticidad (kg/cm2):	$E := 2040000$
Coeficiente de Esbeltez:	$k := 0.50$
Longitud del Elemento (cm):	$L := 50.00$
Radio de Giro (cm):	$r := 1.976$
Sección del Elemento (cm2):	$Ag := 11.613$
Esfuerzo Axial Último (kg):	$Pu := 13752.50$
Momento Flector Último (kg.cm):	$Mu := 7397$
Cortante Ultimo (kg):	$Vu := 217.59$
Momento de Inercia (cm4):	$I := 45.369$
Distancia de la fibra extrema al eje neutro (cm):	$c := 1.763$

a. Diseño a Tensión

Determinamos la relación de Esbeltez Cc

$$cc := \left[\frac{\left(2 \cdot 3.1416^2 E\right)}{fy}\right]^{0.5} = 126.16$$

Determinamos el esfuerzo a ténsión adminisble del elemento:

$$fa := \frac{\left[\left[1 - \frac{\left(\frac{k \cdot L}{r}\right)^2}{2cc^2}\right]^1 fy\right]}{\frac{5}{3} + 3\frac{\left(\frac{k \cdot L}{r}\right)}{8 \cdot cc} - \frac{\left(\frac{k \cdot L}{r}\right)^3}{8 \cdot cc^3}} = 1477.148$$

Determinamos la carga axial admisible:

$$Padm := fa \cdot Ag = 17154.12$$

$Padm > Pu$ ok !!!!!

b. Diseño por Momento Flector

Determinamos el momento admisible para flexión:

$$fb := 0.66 \cdot fy = 1669.8$$

Determinamos el módulo de sección requerido:

$$Sreq := \frac{Mu}{fb} = 4.42987$$

Para la sección propuesta determinamos el módulo de sección:

$$S := \frac{I}{c} = 25.734$$

$S > Sreq$ ok !!!!!

b. Diseño por Esfuerzo Cortante:

Tenemos en cuenta el cortante admisible determinada según el ASD:

$$fv := 0.40 \cdot fy = 1012.00$$

Para la sección del elemento tenemos que el esfuerzo último a la cortante es:

$$Vadm := Ag \cdot fv = 11752.36$$

$Vadm > Vu$ ok !!!!!

Diseño Estructural de Arco Metálico AP-1 por el Método ASD

Montante

Datos del Elemento: Doble Ángulo 2"x2"x1/8"

Esfuerzo de Fluencia (kg/cm2):	$fy := 2530$
Módulo de Elásticidad (kg/cm2):	$E := 2040000$
Coeficiente de Esbeltez:	$k := 0.50$
Longitud del Elemento (cm):	$L := 85.00$
Radio de Giro (cm):	$r := 1.59$
Sección del Elemento (cm2):	$Ag := 6.194$
Esfuerzo Axial Último (kg):	$Pu := 3809.72$
Momento Flector Último (kg.cm):	$Mu := 10744$
Cortante Ultimo (kg):	$Vu := 290.83$
Momento de Inercia (cm4):	$I := 15.817$
Distancia de la fibra extrema al eje neutro (cm):	$c := 1.387$

a. Diseño a Tensión

Determinamos la relación de Esbeltez Cc

$$cc := \left[\frac{\left(2\cdot 3.1416^2 E\right)}{fy}\right]^{0.5} = 126.16$$

Determinamos el esfuerzo a ténsión adminisble del elemento:

$$fa := \frac{\left[\left[1 - \frac{\left(\frac{k\cdot L}{r}\right)^2}{2cc^2}\right]^1 fy\right]}{\frac{5}{3} + 3\frac{\left(\frac{k\cdot L}{r}\right)}{8\cdot cc} - \frac{\left(\frac{k\cdot L}{r}\right)^3}{8\cdot cc^3}} = 1417.373$$

Determinamos la carga axial admisible:

$$Padm := fa\cdot Ag = 8779.21$$

$Padm > Pu$ ok !!!!!

b. Diseño por Momento Flector

Determinamos el momento admisible para flexión:

$$fb := 0.66\cdot fy = 1669.8$$

Determinamos el módulo de sección requerido:

$$Sreq := \frac{Mu}{fb} = 6.4343$$

Para la sección propuesta determinamos el módulo de sección:

$$S := \frac{I}{c} = 11.4037$$

$S > Sreq$ ok !!!!!

b. Diseño por Esfuerzo Cortante:

Tenemos en cuenta el cortante admisible determinada según el ASD:

$$fv := 0.40 \cdot fy = 1012.00$$

Para la sección del elemento tenemos que el esfuerzo último a la cortante es:

$$Vadm := Ag \cdot fv = 6268.33$$

$Vadm > Vu$ ok !!!!!

Diseño Estructural de Arco Metálico AP-1 por el Método ASD

Diagonal

Datos del Elemento: Doble Ángulo 3"x3"x3/8"

Esfuerzo de Fluencia (kg/cm2):	$fy := 2530$
Módulo de Elásticidad (kg/cm2):	$E := 2040000$
Coeficiente de Esbeltez:	$k := 0.50$
Longitud del Elemento (cm):	$L := 97.50$
Radio de Giro (cm):	$r := 2.319$
Sección del Elemento (cm2):	$Ag := 27.226$
Esfuerzo Axial Último (kg):	$Pu := 4983.98$
Momento Flector Último (kg.cm):	$Mu := 106861$
Cortante Ultimo (kg):	$Vu := 1446.09$
Momento de Inercia (cm4):	$I := 146.513$
Distancia de la fibra extrema al eje neutro (cm):	$c := 2.256$

a. Diseño a Tensión

Determinamos la relación de Esbeltez Cc

$$cc := \left[\frac{\left(2\cdot 3.1416^2 E\right)}{fy}\right]^{0.5} = 126.16$$

Determinamos el esfuerzo a ténsión adminisble del elemento:

$$fa := \frac{\left[\left[1 - \frac{\left(\frac{k\cdot L}{r}\right)^2}{2cc^2}\right]^1 fy\right]}{\frac{5}{3} + 3\frac{\left(\frac{k\cdot L}{r}\right)}{8\cdot cc} - \frac{\left(\frac{k\cdot L}{r}\right)^3}{8\cdot cc^3}} = 1443.314$$

Determinamos la carga axial admisible:

$$Padm := fa\cdot Ag = 39295.68$$

$Padm > Pu$ ok !!!!!

b. Diseño por Momento Flector

Determinamos el momento admisible para flexión:

$$fb := 0.66\cdot fy = 1669.8$$

Determinamos el módulo de sección requerido:

$$Sreq := \frac{Mu}{fb} = 63.99629$$

Para la sección propuesta determinamos el módulo de sección:

$$S := \frac{I}{c} = 64.9437$$

$S > Sreq$ ok !!!!!

b. Diseño por Esfuerzo Cortante:

Tenemos en cuenta el cortante admisible determinada según el ASD:

$$fv := 0.40 \cdot fy = 1012.00$$

Para la sección del elemento tenemos que el esfuerzo último a la cortante es:

$$Vadm := Ag \cdot fv = 27552.71$$

$Vadm > Vu$ ok !!!!!

Diseño Estructural de Arco Metálico AP-2 por el Método ASD

Brida Superior

Datos del Elemento: Doble Ángulo 3"x3"x3/8"

Esfuerzo de Fluencia (kg/cm2):	$fy := 2530$
Módulo de Elásticidad (kg/cm2):	$E := 2040000$
Coeficiente de Esbeltez:	$k := 0.50$
Longitud del Elemento (cm):	$L := 52.50$
Radio de Giro (cm):	$r := 2.319$
Sección del Elemento (cm2):	$Ag := 27.226$
Esfuerzo Axial Último (kg):	$Pu := 24642.77$
Momento Flector Último (kg.cm):	$Mu := 55973$
Cortante Ultimo (kg):	$Vu := 1137.70$
Momento de Inercia (cm4):	$I := 146.513$
Distancia de la fibra extrema al eje neutro (cm):	$c := 2.256$

a. Diseño a Tensión

Determinamos la relación de Esbeltez Cc

$$cc := \left[\frac{\left(2\cdot 3.1416^2 E\right)}{fy}\right]^{0.5} = 126.16$$

Determinamos el esfuerzo a tensión adminisble del elemento:

$$fa := \frac{\left[\left[1 - \frac{\left(\frac{k\cdot L}{r}\right)^2}{2cc^2}\right]^1 fy\right]}{\frac{5}{3} + 3\frac{\left(\frac{k\cdot L}{r}\right)}{8\cdot cc} - \frac{\left(\frac{k\cdot L}{r}\right)^3}{8\cdot cc^3}} = 1482.051$$

Determinamos la carga axial admisible:

$$Padm := fa\cdot Ag = 40350.31$$

$Padm > Pu$ ok !!!!!

b. Diseño por Momento Flector

Determinamos el momento admisible para flexión:

$$fb := 0.66\cdot fy = 1669.8$$

Determinamos el módulo de sección requerido:

$$Sreq := \frac{Mu}{fb} = 33.52078$$

Para la sección propuesta determinamos el módulo de sección:

$$S := \frac{I}{c} = 64.9437$$

$S > Sreq$ ok !!!!!

b. Diseño por Esfuerzo Cortante:

Tenemos en cuenta el cortante admisible determinada según el ASD:

$$fv := 0.40 \cdot fy = 1012.00$$

Para la sección del elemento tenemos que el esfuerzo último a la cortante es:

$$Vadm := Ag \cdot fv = 27552.71$$

$Vadm > Vu$ ok !!!!!

Diseño Estructural de Arco Metálico AP-2 por el Método ASD

Brida Inferior

Datos del Elemento: Doble Ángulo 2.1/2"x2.1/2"x3/8"

Esfuerzo de Fluencia (kg/cm2):	$fy := 2530$
Módulo de Elásticidad (kg/cm2):	$E := 2040000$
Coeficiente de Esbeltez:	$k := 0.50$
Longitud del Elemento (cm):	$L := 50.00$
Radio de Giro (cm):	$r := 1.913$
Sección del Elemento (cm2):	$Ag := 22.387$
Esfuerzo Axial Último (kg):	$Pu := 32338.31$
Momento Flector Último (kg.cm):	$Mu := 9739$
Cortante Ultimo (kg):	$Vu := 258.43$
Momento de Inercia (cm4):	$I := 81.998$
Distancia de la fibra extrema al eje neutro (cm):	$c := 1.935$

a. Diseño a Tensión

Determinamos la relación de Esbeltez Cc

$$cc := \left[\frac{\left(2\cdot 3.1416^2 E\right)}{fy}\right]^{0.5} = 126.16$$

Determinamos el esfuerzo a ténsión adminisble del elemento:

$$fa := \frac{\left[\left[1 - \frac{\left(\frac{k\cdot L}{r}\right)^2}{2cc^2}\right]^1 fy\right]}{\frac{5}{3} + 3\frac{\left(\frac{k\cdot L}{r}\right)}{8\cdot cc} - \frac{\left(\frac{k\cdot L}{r}\right)^3}{8\cdot cc^3}} = 1475.587$$

Determinamos la carga axial admisible:

$$Padm := fa\cdot Ag = 33033.97$$

$Padm > Pu$ ok !!!!!

b. Diseño por Momento Flector

Determinamos el momento admisible para flexión:

$$fb := 0.66\cdot fy = 1669.8$$

Determinamos el módulo de sección requerido:

$$Sreq := \frac{Mu}{fb} = 5.83244$$

Para la sección propuesta determinamos el módulo de sección:

$$S := \frac{I}{c} = 42.3762$$

$S > Sreq$ ok !!!!!

b. Diseño por Esfuerzo Cortante:

Tenemos en cuenta el cortante admisible determinada según el ASD:

$$fv := 0.40 \cdot fy = 1012.00$$

Para la sección del elemento tenemos que el esfuerzo último a la cortante es:

$$Vadm := Ag \cdot fv = 22655.64$$

$Vadm > Vu$ ok !!!!!

Diseño Estructural de Arco Metálico AP-2 por el Método ASD

Montante

Datos del Elemento: Doble Ángulo 2"x2"x1/8"

Esfuerzo de Fluencia (kg/cm2):	$fy := 2530$
Módulo de Elásticidad (kg/cm2):	$E := 2040000$
Coeficiente de Esbeltez:	$k := 0.50$
Longitud del Elemento (cm):	$L := 85.00$
Radio de Giro (cm):	$r := 1.59$
Sección del Elemento (cm2):	$Ag := 6.194$
Esfuerzo Axial Último (kg):	$Pu := 4913.81$
Momento Flector Último (kg.cm):	$Mu := 2848$
Cortante Ultimo (kg):	$Vu := 70.65$
Momento de Inercia (cm4):	$I := 15.817$
Distancia de la fibra extrema al eje neutro (cm):	$c := 1.387$

a. Diseño a Tensión

Determinamos la relación de Esbeltez Cc

$$cc := \left[\frac{\left(2\cdot 3.1416^2 E\right)}{fy}\right]^{0.5} = 126.16$$

Determinamos el esfuerzo a ténsión adminisble del elemento:

$$fa := \frac{\left[\left[1 - \frac{\left(\frac{k\cdot L}{r}\right)^2}{2cc^2}\right]^1 fy\right]}{\frac{5}{3} + 3\frac{\left(\frac{k\cdot L}{r}\right)}{8\cdot cc} - \frac{\left(\frac{k\cdot L}{r}\right)^3}{8\cdot cc^3}} = 1417.373$$

Determinamos la carga axial admisible:

$$Padm := fa\cdot Ag = 8779.21$$

$Padm > Pu$ ok !!!!!

b. Diseño por Momento Flector

Determinamos el momento admisible para flexión:

$$fb := 0.66\cdot fy = 1669.8$$

Determinamos el módulo de sección requerido:

$$Sreq := \frac{Mu}{fb} = 1.70559$$

Para la sección propuesta determinamos el módulo de sección:

$$S := \frac{I}{c} = 11.4037$$

$S > Sreq$ ok !!!!!

b. Diseño por Esfuerzo Cortante:

Tenemos en cuenta el cortante admisible determinada según el ASD:

$$fv := 0.40 \cdot fy = 1012.00$$

Para la sección del elemento tenemos que el esfuerzo último a la cortante es:

$$Vadm := Ag \cdot fv = 6268.33$$

$Vadm > Vu$ ok !!!!!

Diseño Estructural de Arco Metálico AP-2 por el Método ASD

Diagonal

Datos del Elemento: Doble Ángulo 2"x2"x1/8"

Esfuerzo de Fluencia (kg/cm2):	fy := 2530
Módulo de Elásticidad (kg/cm2):	E := 2040000
Coeficiente de Esbeltez:	k := 0.50
Longitud del Elemento (cm):	L := 97.50
Radio de Giro (cm):	r := 1.59
Sección del Elemento (cm2):	Ag := 6.194
Esfuerzo Axial Último (kg):	Pu := 4329.65
Momento Flector Último (kg.cm):	Mu := 7124
Cortante Ultimo (kg):	Vu := 106.61
Momento de Inercia (cm4):	I := 15.817
Distancia de la fibra extrema al eje neutro (cm):	c := 1.387

a. Diseño a Tensión

Determinamos la relación de Esbeltez Cc

$$cc := \left[\frac{\left(2\cdot 3.1416^2 E\right)}{fy}\right]^{0.5} = 126.16$$

Determinamos el esfuerzo a ténsión adminisble del elemento:

$$fa := \frac{\left[\left[1 - \frac{\left(\frac{k\cdot L}{r}\right)^2}{2cc^2}\right] fy\right]}{\frac{5}{3} + 3\frac{\left(\frac{k\cdot L}{r}\right)}{8\cdot cc} - \frac{\left(\frac{k\cdot L}{r}\right)^3}{8\cdot cc^3}} = 1398.220$$

Determinamos la carga axial admisible:

$$Padm := fa\cdot Ag = 8660.58$$

Padm > Pu ok !!!!!

b. Diseño por Momento Flector

Determinamos el momento admisible para flexión:

$$fb := 0.66\cdot fy = 1669.8$$

Determinamos el módulo de sección requerido:

$$Sreq := \frac{Mu}{fb} = 4.26638$$

Para la sección propuesta determinamos el módulo de sección:

$$S := \frac{I}{c} = 11.4037$$

$S > Sreq$ ok !!!!!

b. Diseño por Esfuerzo Cortante:

Tenemos en cuenta el cortante admisible determinada según el ASD:

$$fv := 0.40 \cdot fy = 1012.00$$

Para la sección del elemento tenemos que el esfuerzo último a la cortante es:

$$Vadm := Ag \cdot fv = 6268.33$$

$Vadm > Vu$ ok !!!!!

Diseño Estructural de Arco Metálico AS-1 por el Método ASD

Brida Superior

Datos del Elemento: Doble Ángulo 3"x3"x1/2"

Esfuerzo de Fluencia (kg/cm2):	$fy := 2530$
Módulo de Elásticidad (kg/cm2):	$E := 2040000$
Coeficiente de Esbeltez:	$k := 0.50$
Longitud del Elemento (cm):	$L := 52.50$
Radio de Giro (cm):	$r := 2.281$
Sección del Elemento (cm2):	$Ag := 35.484$
Esfuerzo Axial Último (kg):	$Pu := 33834.06$
Momento Flector Último (kg.cm):	$Mu := 106194$
Cortante Ultimo (kg):	$Vu := 2746.24$
Momento de Inercia (cm4):	$I := 184.391$
Distancia de la fibra extrema al eje neutro (cm):	$c := 2.367$

a. Diseño a Tensión

Determinamos la relación de Esbeltez Cc

$$cc := \left[\frac{\left(2\cdot 3.1416^2 E\right)}{fy}\right]^{0.5} = 126.16$$

Determinamos el esfuerzo a ténsión adminisble del elemento:

$$fa := \frac{\left[\left[1 - \frac{\left(\frac{k\cdot L}{r}\right)^2}{2cc^2}\right]^1 fy\right]}{\frac{5}{3} + 3\frac{\left(\frac{k\cdot L}{r}\right)}{8\cdot cc} - \frac{\left(\frac{k\cdot L}{r}\right)^3}{8\cdot cc^3}} = 1481.365$$

Determinamos la carga axial admisible:

$$Padm := fa\cdot Ag = 52564.76$$

$Padm > Pu$ ok !!!!!

b. Diseño por Momento Flector

Determinamos el momento admisible para flexión:

$$fb := 0.66\cdot fy = 1669.8$$

Determinamos el módulo de sección requerido:

$$Sreq := \frac{Mu}{fb} = 63.59684$$

Para la sección propuesta determinamos el módulo de sección:

$$S := \frac{I}{c} = 77.9007$$

$S > Sreq$ ok !!!!!

b. Diseño por Esfuerzo Cortante:

Tenemos en cuenta el cortante admisible determinada según el ASD:

$$fv := 0.40 \cdot fy = 1012.00$$

Para la sección del elemento tenemos que el esfuerzo último a la cortante es:

$$Vadm := Ag \cdot fv = 35909.81$$

$Vadm > Vu$ ok !!!!!

Diseño Estructural de Arco Metálico AS-1 por el Método ASD

Brida Inferior

Datos del Elemento: Doble Ángulo 4"x4"x3/8"

Esfuerzo de Fluencia (kg/cm2):	$fy := 2530$
Módulo de Elásticidad (kg/cm2):	$E := 2040000$
Coeficiente de Esbeltez:	$k := 0.50$
Longitud del Elemento (cm):	$L := 50.00$
Radio de Giro (cm):	$r := 3.124$
Sección del Elemento (cm2):	$Ag := 36.903$
Esfuerzo Axial Último (kg):	$Pu := 52746.81$
Momento Flector Último (kg.cm):	$Mu := 27561$
Cortante Ultimo (kg):	$Vu := 852.09$
Momento de Inercia (cm4):	$I := 362.954$
Distancia de la fibra extrema al eje neutro (cm):	$c := 2.896$

a. Diseño a Tensión

Determinamos la relación de Esbeltez Cc

$$cc := \left[\frac{\left(2 \cdot 3.1416^2 E\right)}{fy}\right]^{0.5} = 126.16$$

Determinamos el esfuerzo a ténsión adminisble del elemento:

$$fa := \frac{\left[\left[1 - \frac{\left(\frac{k \cdot L}{r}\right)^2}{2cc^2}\right]^1 fy\right]}{\frac{5}{3} + 3\frac{\left(\frac{k \cdot L}{r}\right)}{8 \cdot cc} - \frac{\left(\frac{k \cdot L}{r}\right)^3}{8 \cdot cc^3}} = 1493.657$$

Determinamos la carga axial admisible:

$$Padm := fa \cdot Ag = 55120.42$$

$Padm > Pu$ ok !!!!!

b. Diseño por Momento Flector

Determinamos el momento admisible para flexión:

$$fb := 0.66 \cdot fy = 1669.8$$

Determinamos el módulo de sección requerido:

$$Sreq := \frac{Mu}{fb} = 16.50557$$

Para la sección propuesta determinamos el módulo de sección:

$$S := \frac{I}{c} = 125.3294$$

$S > Sreq$ ok !!!!!

b. Diseño por Esfuerzo Cortante:

Tenemos en cuenta el cortante admisible determinada según el ASD:

$$fv := 0.40 \cdot fy = 1012.00$$

Para la sección del elemento tenemos que el esfuerzo último a la cortante es:

$$Vadm := Ag \cdot fv = 37345.84$$

$Vadm > Vu$ ok !!!!!

Diseño Estructural de Arco Metálico AS-1 por el Método ASD

Montante

Datos del Elemento: Doble Ángulo 2.1/2"x2.1/2"x1/4"

Esfuerzo de Fluencia (kg/cm2):	$fy := 2530$
Módulo de Elásticidad (kg/cm2):	$E := 2040000$
Coeficiente de Esbeltez:	$k := 0.50$
Longitud del Elemento (cm):	$L := 85.00$
Radio de Giro (cm):	$r := 1.953$
Sección del Elemento (cm2):	$Ag := 15.355$
Esfuerzo Axial Último (kg):	$Pu := 15154.28$
Momento Flector Último (kg.cm):	$Mu := 15155$
Cortante Ultimo (kg):	$Vu := 339.19$
Momento de Inercia (cm4):	$I := 58.689$
Distancia de la fibra extrema al eje neutro (cm):	$c := 1.821$

a. Diseño a Tensión

Determinamos la relación de Esbeltez Cc

$$cc := \left[\frac{\left(2\cdot 3.1416^2 E\right)}{fy}\right]^{0.5} = 126.16$$

Determinamos el esfuerzo a ténsión adminisble del elemento:

$$fa := \frac{\left[\left[1 - \frac{\left(\frac{k\cdot L}{r}\right)^2}{2cc^2}\right] fy\right]}{\frac{5}{3} + 3\frac{\left(\frac{k\cdot L}{r}\right)}{8\cdot cc} - \frac{\left(\frac{k\cdot L}{r}\right)^3}{8\cdot cc^3}} = 1440.082$$

Determinamos la carga axial admisible:

$$Padm := fa\cdot Ag = 22112.45$$

$Padm > Pu$ ok !!!!!

b. Diseño por Momento Flector

Determinamos el momento admisible para flexión:

$$fb := 0.66\cdot fy = 1669.8$$

Determinamos el módulo de sección requerido:

$$Sreq := \frac{Mu}{fb} = 9.07594$$

Para la sección propuesta determinamos el módulo de sección:

$$S := \frac{I}{c} = 32.229$$

$S > Sreq$ ok !!!!!

b. Diseño por Esfuerzo Cortante:

Tenemos en cuenta el cortante admisible determinada según el ASD:

$$fv := 0.40 \cdot fy = 1012.00$$

Para la sección del elemento tenemos que el esfuerzo último a la cortante es:

$$Vadm := Ag \cdot fv = 15539.26$$

$Vadm > Vu$ ok !!!!!

Diseño Estructural de Arco Metálico AS-1 por el Método ASD

Diagonal

Datos del Elemento: Doble Ángulo 3"x3"x3/8"

Esfuerzo de Fluencia (kg/cm2):	$fy := 2530$
Módulo de Elásticidad (kg/cm2):	$E := 2040000$
Coeficiente de Esbeltez:	$k := 0.50$
Longitud del Elemento (cm):	$L := 97.50$
Radio de Giro (cm):	$r := 2.319$
Sección del Elemento (cm2):	$Ag := 27.226$
Esfuerzo Axial Último (kg):	$Pu := 19144.58$
Momento Flector Último (kg.cm):	$Mu := 58368$
Cortante Ultimo (kg):	$Vu := 773.73$
Momento de Inercia (cm4):	$I := 146.513$
Distancia de la fibra extrema al eje neutro (cm):	$c := 2.256$

a. Diseño a Tensión

Determinamos la relación de Esbeltez Cc

$$cc := \left[\frac{\left(2 \cdot 3.1416^2 E\right)}{fy}\right]^{0.5} = 126.16$$

Determinamos el esfuerzo a ténsión adminisble del elemento:

$$fa := \frac{\left[\left[1 - \frac{\left(\frac{k \cdot L}{r}\right)^2}{2cc^2}\right]^1 fy\right]}{\frac{5}{3} + 3\frac{\left(\frac{k \cdot L}{r}\right)}{8 \cdot cc} - \frac{\left(\frac{k \cdot L}{r}\right)^3}{8 \cdot cc^3}} = 1443.314$$

Determinamos la carga axial admisible:

$$Padm := fa \cdot Ag = 39295.68$$

$Padm > Pu$ ok !!!!!

b. Diseño por Momento Flector

Determinamos el momento admisible para flexión:

$$fb := 0.66 \cdot fy = 1669.8$$

Determinamos el módulo de sección requerido:

$$Sreq := \frac{Mu}{fb} = 34.95508$$

Para la sección propuesta determinamos el módulo de sección:

$$S := \frac{I}{c} = 64.9437$$

$S > Sreq$ ok !!!!!

b. Diseño por Esfuerzo Cortante:

Tenemos en cuenta el cortante admisible determinada según el ASD:

$$fv := 0.40 \cdot fy = 1012.00$$

Para la sección del elemento tenemos que el esfuerzo último a la cortante es:

$$Vadm := Ag \cdot fv = 27552.71$$

$Vadm > Vu$ ok !!!!!

Diseño Estructural de Arco Metálico AS-2 por el Método ASD

Brida Superior

Datos del Elemento: Doble Ángulo 2"x2"x1/8"

Esfuerzo de Fluencia (kg/cm2):	$fy := 2530$
Módulo de Elásticidad (kg/cm2):	$E := 2040000$
Coeficiente de Esbeltez:	$k := 0.50$
Longitud del Elemento (cm):	$L := 52.50$
Radio de Giro (cm):	$r := 1.59$
Sección del Elemento (cm2):	$Ag := 6.194$
Esfuerzo Axial Último (kg):	$Pu := 3809.94$
Momento Flector Último (kg.cm):	$Mu := 856$
Cortante Ultimo (kg):	$Vu := 26.56$
Momento de Inercia (cm4):	$I := 15.817$
Distancia de la fibra extrema al eje neutro (cm):	$c := 1.387$

a. Diseño a Tensión

Determinamos la relación de Esbeltez Cc

$$cc := \left[\frac{\left(2\cdot 3.1416^2 E\right)}{fy}\right]^{0.5} = 126.16$$

Determinamos el esfuerzo a ténsión adminisble del elemento:

$$fa := \frac{\left[\left[1 - \frac{\left(\frac{k\cdot L}{r}\right)^2}{2cc^2}\right]^1 fy\right]}{\frac{5}{3} + 3\frac{\left(\frac{k\cdot L}{r}\right)}{8\cdot cc} - \frac{\left(\frac{k\cdot L}{r}\right)^3}{8\cdot cc^3}} = 1462.196$$

Determinamos la carga axial admisible:

$$Padm := fa\cdot Ag = 9056.84$$

$Padm > Pu$ ok !!!!!

b. Diseño por Momento Flector

Determinamos el momento admisible para flexión:

$$fb := 0.66\cdot fy = 1669.8$$

Determinamos el módulo de sección requerido:

$$Sreq := \frac{Mu}{fb} = 0.51264$$

Para la sección propuesta determinamos el módulo de sección:

$$S := \frac{I}{c} = 11.4037$$

$S > Sreq$ ok !!!!!

b. Diseño por Esfuerzo Cortante:

Tenemos en cuenta el cortante admisible determinada según el ASD:

$$fv := 0.40 \cdot fy = 1012.00$$

Para la sección del elemento tenemos que el esfuerzo último a la cortante es:

$$Vadm := Ag \cdot fv = 6268.33$$

$Vadm > Vu$ ok !!!!!

Diseño Estructural de Arco Metálico AS-2 por el Método ASD

Brida Inferior

Datos del Elemento: Doble Ángulo 2"x2"x3/16"

Esfuerzo de Fluencia (kg/cm2):	$fy := 2530$
Módulo de Elásticidad (kg/cm2):	$E := 2040000$
Coeficiente de Esbeltez:	$k := 0.50$
Longitud del Elemento (cm):	$L := 50.00$
Radio de Giro (cm):	$r := 1.567$
Sección del Elemento (cm2):	$Ag := 9.226$
Esfuerzo Axial Último (kg):	$Pu := 10234.90$
Momento Flector Último (kg.cm):	$Mu := 951$
Cortante Ultimo (kg):	$Vu := 33.53$
Momento de Inercia (cm4):	$I := 22.685$
Distancia de la fibra extrema al eje neutro (cm):	$c := 1.445$

a. Diseño a Tensión

Determinamos la relación de Esbeltez Cc

$$cc := \left[\frac{\left(2\cdot 3.1416^2 E\right)}{fy}\right]^{0.5} = 126.16$$

Determinamos el esfuerzo a ténsión adminisble del elemento:

$$fa := \frac{\left[\left[1 - \frac{\left(\frac{k\cdot L}{r}\right)^2}{2cc^2}\right]^1 fy\right]}{\frac{5}{3} + 3\frac{\left(\frac{k\cdot L}{r}\right)}{8\cdot cc} - \frac{\left(\frac{k\cdot L}{r}\right)^3}{8\cdot cc^3}} = 1464.417$$

Determinamos la carga axial admisible:

$$Padm := fa\cdot Ag = 13510.71$$

$Padm > Pu$ ok !!!!!

b. Diseño por Momento Flector

Determinamos el momento admisible para flexión:

$$fb := 0.66\cdot fy = 1669.8$$

Determinamos el módulo de sección requerido:

$$Sreq := \frac{Mu}{fb} = 0.56953$$

Para la sección propuesta determinamos el módulo de sección:

$$S := \frac{I}{c} = 15.699$$

$S > Sreq$ ok !!!!!

b. Diseño por Esfuerzo Cortante:

Tenemos en cuenta el cortante admisible determinada según el ASD:

$$fv := 0.40 \cdot fy = 1012.00$$

Para la sección del elemento tenemos que el esfuerzo último a la cortante es:

$$Vadm := Ag \cdot fv = 9336.71$$

$Vadm > Vu$ ok !!!!!

Diseño Estructural de Arco Metálico AS-2 por el Método ASD

Montante

Datos del Elemento: Doble Ángulo 2"x2"x1/8"

Esfuerzo de Fluencia (kg/cm2):	$fy := 2530$
Módulo de Elásticidad (kg/cm2):	$E := 2040000$
Coeficiente de Esbeltez:	$k := 0.50$
Longitud del Elemento (cm):	$L := 85.00$
Radio de Giro (cm):	$r := 1.59$
Sección del Elemento (cm2):	$Ag := 6.194$
Esfuerzo Axial Último (kg):	$Pu := 1339.42$
Momento Flector Último (kg.cm):	$Mu := 754$
Cortante Ultimo (kg):	$Vu := 18.60$
Momento de Inercia (cm4):	$I := 15.817$
Distancia de la fibra extrema al eje neutro (cm):	$c := 1.387$

a. Diseño a Tensión

Determinamos la relación de Esbeltez Cc

$$cc := \left[\frac{\left(2\cdot 3.1416^2 E\right)}{fy}\right]^{0.5} = 126.16$$

Determinamos el esfuerzo a ténsión adminisble del elemento:

$$fa := \frac{\left[\left[1 - \frac{\left(\frac{k\cdot L}{r}\right)^2}{2cc^2}\right]^1 fy\right]}{\frac{5}{3} + 3\frac{\left(\frac{k\cdot L}{r}\right)}{8\cdot cc} - \frac{\left(\frac{k\cdot L}{r}\right)^3}{8\cdot cc^3}} = 1417.373$$

Determinamos la carga axial admisible:

$$Padm := fa\cdot Ag = 8779.21$$

$Padm > Pu$ ok !!!!!

b. Diseño por Momento Flector

Determinamos el momento admisible para flexión:

$$fb := 0.66\cdot fy = 1669.8$$

Determinamos el módulo de sección requerido:

$$Sreq := \frac{Mu}{fb} = 0.45155$$

Para la sección propuesta determinamos el módulo de sección:

$$S := \frac{I}{c} = 11.4037$$

$S > Sreq$ ok !!!!!

b. Diseño por Esfuerzo Cortante:

Tenemos en cuenta el cortante admisible determinada según el ASD:

$$fv := 0.40 \cdot fy = 1012.00$$

Para la sección del elemento tenemos que el esfuerzo último a la cortante es:

$$Vadm := Ag \cdot fv = 6268.33$$

$Vadm > Vu$ ok !!!!!

Diseño Estructural de Arco Metálico AS-2 por el Método ASD

Diagonal

Datos del Elemento: Doble Ángulo 2"x2"x1/8"

Esfuerzo de Fluencia (kg/cm2):	$fy := 2530$
Módulo de Elásticidad (kg/cm2):	$E := 2040000$
Coeficiente de Esbeltez:	$k := 0.50$
Longitud del Elemento (cm):	$L := 97.50$
Radio de Giro (cm):	$r := 1.59$
Sección del Elemento (cm2):	$Ag := 6.194$
Esfuerzo Axial Último (kg):	$Pu := 1513.58$
Momento Flector Último (kg.cm):	$Mu := 626$
Cortante Ultimo (kg):	$Vu := 14.26$
Momento de Inercia (cm4):	$I := 15.817$
Distancia de la fibra extrema al eje neutro (cm):	$c := 1.387$

a. Diseño a Tensión

Determinamos la relación de Esbeltez Cc

$$cc := \left[\frac{\left(2\cdot 3.1416^2 E\right)}{fy}\right]^{0.5} = 126.16$$

Determinamos el esfuerzo a ténsión adminisble del elemento:

$$fa := \frac{\left[\left[1 - \frac{\left(\frac{k\cdot L}{r}\right)^2}{2cc^2}\right]^1 fy\right]}{\frac{5}{3} + 3\frac{\left(\frac{k\cdot L}{r}\right)}{8\cdot cc} - \frac{\left(\frac{k\cdot L}{r}\right)^3}{8\cdot cc^3}} = 1398.220$$

Determinamos la carga axial admisible:

$$Padm := fa\cdot Ag = 8660.58$$

$Padm > Pu$ ok !!!!!

b. Diseño por Momento Flector

Determinamos el momento admisible para flexión:

$$fb := 0.66\cdot fy = 1669.8$$

Determinamos el módulo de sección requerido:

$$Sreq := \frac{Mu}{fb} = 0.3749$$

Para la sección propuesta determinamos el módulo de sección:

$$S := \frac{I}{c} = 11.4037$$

$S > Sreq$ ok !!!!!

b. Diseño por Esfuerzo Cortante:

Tenemos en cuenta el cortante admisible determinada según el ASD:

$$fv := 0.40 \cdot fy = 1012.00$$

Para la sección del elemento tenemos que el esfuerzo último a la cortante es:

$$Vadm := Ag \cdot fv = 6268.33$$

$Vadm > Vu$ ok !!!!!

Diseño Estructural de Arco Metálico AS-3 por el Método ASD

Brida Superior

Datos del Elemento: Doble Ángulo 2"x2"x1/8"

Esfuerzo de Fluencia (kg/cm2):	$fy := 2530$
Módulo de Elásticidad (kg/cm2):	$E := 2040000$
Coeficiente de Esbeltez:	$k := 0.50$
Longitud del Elemento (cm):	$L := 52.50$
Radio de Giro (cm):	$r := 1.59$
Sección del Elemento (cm2):	$Ag := 6.194$
Esfuerzo Axial Último (kg):	$Pu := 3340.56$
Momento Flector Último (kg.cm):	$Mu := 773$
Cortante Ultimo (kg):	$Vu := 22.48$
Momento de Inercia (cm4):	$I := 15.817$
Distancia de la fibra extrema al eje neutro (cm):	$c := 1.387$

a. Diseño a Tensión

Determinamos la relación de Esbeltez Cc

$$cc := \left[\frac{\left(2\cdot 3.1416^2 E\right)}{fy}\right]^{0.5} = 126.16$$

Determinamos el esfuerzo a ténsión adminisble del elemento:

$$fa := \frac{\left[\left[1 - \frac{\left(\frac{k\cdot L}{r}\right)^2}{2cc^2}\right]^1 fy\right]}{\frac{5}{3} + 3\frac{\left(\frac{k\cdot L}{r}\right)}{8\cdot cc} - \frac{\left(\frac{k\cdot L}{r}\right)^3}{8\cdot cc^3}} = 1462.196$$

Determinamos la carga axial admisible:

$$Padm := fa\cdot Ag = 9056.84$$

$Padm > Pu$ ok !!!!!

b. Diseño por Momento Flector

Determinamos el momento admisible para flexión:

$$fb := 0.66\cdot fy = 1669.8$$

Determinamos el módulo de sección requerido:

$$Sreq := \frac{Mu}{fb} = 0.46293$$

Para la sección propuesta determinamos el módulo de sección:

$$S := \frac{I}{c} = 11.4037$$

$S > Sreq$ ok !!!!!

b. Diseño por Esfuerzo Cortante:

Tenemos en cuenta el cortante admisible determinada según el ASD:

$$fv := 0.40 \cdot fy = 1012.00$$

Para la sección del elemento tenemos que el esfuerzo último a la cortante es:

$$Vadm := Ag \cdot fv = 6268.33$$

$Vadm > Vu$ ok !!!!!

Diseño Estructural de Arco Metálico AS-3 por el Método ASD

Brida Inferior

Datos del Elemento: Doble Ángulo 2"x2"x1/8"

Esfuerzo de Fluencia (kg/cm2):	$fy := 2530$
Módulo de Elásticidad (kg/cm2):	$E := 2040000$
Coeficiente de Esbeltez:	$k := 0.50$
Longitud del Elemento (cm):	$L := 50.00$
Radio de Giro (cm):	$r := 1.59$
Sección del Elemento (cm2):	$Ag := 6.194$
Esfuerzo Axial Último (kg):	$Pu := 8376.49$
Momento Flector Último (kg.cm):	$Mu := 852$
Cortante Ultimo (kg):	$Vu := 38.51$
Momento de Inercia (cm4):	$I := 15.817$
Distancia de la fibra extrema al eje neutro (cm):	$c := 1.387$

a. Diseño a Tensión

Determinamos la relación de Esbeltez Cc

$$cc := \left[\frac{\left(2 \cdot 3.1416^2 E\right)}{fy}\right]^{0.5} = 126.16$$

Determinamos el esfuerzo a ténsión adminisble del elemento:

$$fa := \frac{\left[\left[1 - \frac{\left(\frac{k \cdot L}{r}\right)^2}{2cc^2}\right]^1 fy\right]}{\frac{5}{3} + 3\frac{\left(\frac{k \cdot L}{r}\right)}{8 \cdot cc} - \frac{\left(\frac{k \cdot L}{r}\right)^3}{8 \cdot cc^3}} = 1465.333$$

Determinamos la carga axial admisible:

$$Padm := fa \cdot Ag = 9076.27$$

$Padm > Pu$ ok !!!!!

b. Diseño por Momento Flector

Determinamos el momento admisible para flexión:

$$fb := 0.66 \cdot fy = 1669.8$$

Determinamos el módulo de sección requerido:

$$Sreq := \frac{Mu}{fb} = 0.51024$$

Para la sección propuesta determinamos el módulo de sección:

$$S := \frac{I}{c} = 11.4037$$

$S > Sreq$ ok !!!!!

b. Diseño por Esfuerzo Cortante:

Tenemos en cuenta el cortante admisible determinada según el ASD:

$$fv := 0.40 \cdot fy = 1012.00$$

Para la sección del elemento tenemos que el esfuerzo último a la cortante es:

$$Vadm := Ag \cdot fv = 6268.33$$

$Vadm > Vu$ ok !!!!!

Diseño Estructural de Arco Metálico AS-3 por el Método ASD

Montante

Datos del Elemento: Doble Ángulo 2"x2"x1/8"

Esfuerzo de Fluencia (kg/cm2):	$fy := 2530$
Módulo de Elásticidad (kg/cm2):	$E := 2040000$
Coeficiente de Esbeltez:	$k := 0.50$
Longitud del Elemento (cm):	$L := 85.00$
Radio de Giro (cm):	$r := 1.59$
Sección del Elemento (cm2):	$Ag := 6.194$
Esfuerzo Axial Último (kg):	$Pu := 1081.33$
Momento Flector Último (kg.cm):	$Mu := 765$
Cortante Ultimo (kg):	$Vu := 19.46$
Momento de Inercia (cm4):	$I := 15.817$
Distancia de la fibra extrema al eje neutro (cm):	$c := 1.387$

a. Diseño a Tensión

Determinamos la relación de Esbeltez Cc

$$cc := \left[\frac{\left(2 \cdot 3.1416^2 E\right)}{fy}\right]^{0.5} = 126.16$$

Determinamos el esfuerzo a ténsión adminisble del elemento:

$$fa := \frac{\left[\left[1 - \frac{\left(\frac{k \cdot L}{r}\right)^2}{2cc^2}\right]^1 fy\right]}{\frac{5}{3} + 3\frac{\left(\frac{k \cdot L}{r}\right)}{8 \cdot cc} - \frac{\left(\frac{k \cdot L}{r}\right)^3}{8 \cdot cc^3}} = 1417.373$$

Determinamos la carga axial admisible:

$$Padm := fa \cdot Ag = 8779.21$$

$Padm > Pu$ ok !!!!!

b. Diseño por Momento Flector

Determinamos el momento admisible para flexión:

$$fb := 0.66 \cdot fy = 1669.8$$

Determinamos el módulo de sección requerido:

$$Sreq := \frac{Mu}{fb} = 0.45814$$

Para la sección propuesta determinamos el módulo de sección:

$$S := \frac{I}{c} = 11.4037$$

$S > Sreq$ ok !!!!!

b. Diseño por Esfuerzo Cortante:

Tenemos en cuenta el cortante admisible determinada según el ASD:

$$fv := 0.40 \cdot fy = 1012.00$$

Para la sección del elemento tenemos que el esfuerzo último a la cortante es:

$$Vadm := Ag \cdot fv = 6268.33$$

$Vadm > Vu$ ok !!!!!

Diseño Estructural de Arco Metálico AS-3 por el Método ASD

Diagonal

Datos del Elemento: Doble Ángulo 2"x2"x1/8"

Esfuerzo de Fluencia (kg/cm2):	$fy := 2530$
Módulo de Elásticidad (kg/cm2):	$E := 2040000$
Coeficiente de Esbeltez:	$k := 0.50$
Longitud del Elemento (cm):	$L := 97.50$
Radio de Giro (cm):	$r := 1.59$
Sección del Elemento (cm2):	$Ag := 6.194$
Esfuerzo Axial Último (kg):	$Pu := 1480.00$
Momento Flector Último (kg.cm):	$Mu := 515.00$
Cortante Ultimo (kg):	$Vu := 10.03$
Momento de Inercia (cm4):	$I := 15.817$
Distancia de la fibra extrema al eje neutro (cm):	$c := 1.387$

a. Diseño a Tensión

Determinamos la relación de Esbeltez Cc

$$cc := \left[\frac{\left(2\cdot 3.1416^2 E\right)}{fy}\right]^{0.5} = 126.16$$

Determinamos el esfuerzo a ténsión adminisble del elemento:

$$fa := \frac{\left[\left[1 - \frac{\left(\frac{k\cdot L}{r}\right)^2}{2cc^2}\right]^1 fy\right]}{\frac{5}{3} + 3\frac{\left(\frac{k\cdot L}{r}\right)}{8\cdot cc} - \frac{\left(\frac{k\cdot L}{r}\right)^3}{8\cdot cc^3}} = 1398.220$$

Determinamos la carga axial admisible:

$$Padm := fa\cdot Ag = 8660.58$$

$Padm > Pu$ ok !!!!!

b. Diseño por Momento Flector

Determinamos el momento admisible para flexión:

$$fb := 0.66\cdot fy = 1669.8$$

Determinamos el módulo de sección requerido:

$$Sreq := \frac{Mu}{fb} = 0.30842$$

Para la sección propuesta determinamos el módulo de sección:

$$S := \frac{I}{c} = 11.4037$$

$S > Sreq$ ok !!!!!

b. Diseño por Esfuerzo Cortante:

Tenemos en cuenta el cortante admisible determinada según el ASD:

$$fv := 0.40 \cdot fy = 1012.00$$

Para la sección del elemento tenemos que el esfuerzo último a la cortanté es:

$$Vadm := Ag \cdot fv = 6268.33$$

$Vadm > Vu$ ok !!!!!

Diseño Estructural de Arco Metálico AS-4 por el Método ASD

Brida Superior

Datos del Elemento: Doble Ángulo 2.1/2"x2.1/2"x3/16"

Esfuerzo de Fluencia (kg/cm2):	$fy := 2530$
Módulo de Elásticidad (kg/cm2):	$E := 2040000$
Coeficiente de Esbeltez:	$k := 0.50$
Longitud del Elemento (cm):	$L := 52.50$
Radio de Giro (cm):	$r := 1.976$
Sección del Elemento (cm2):	$Ag := 11.613$
Esfuerzo Axial Último (kg):	$Pu := 16797.55$
Momento Flector Último (kg.cm):	$Mu := 38281.00$
Cortante Ultimo (kg):	$Vu := 1314.40$
Momento de Inercia (cm4):	$I := 45.369$
Distancia de la fibra extrema al eje neutro (cm):	$c := 1.763$

a. Diseño a Tensión

Determinamos la relación de Esbeltez Cc

$$cc := \left[\frac{\left(2 \cdot 3.1416^2 E\right)}{fy}\right]^{0.5} = 126.16$$

Determinamos el esfuerzo a ténsión adminisble del elemento:

$$fa := \frac{\left[\left[1 - \frac{\left(\frac{k \cdot L}{r}\right)^2}{2cc^2}\right]^1 fy\right]}{\frac{5}{3} + 3\frac{\left(\frac{k \cdot L}{r}\right)}{8 \cdot cc} - \frac{\left(\frac{k \cdot L}{r}\right)^3}{8 \cdot cc^3}} = 1474.773$$

Determinamos la carga axial admisible:

$$Padm := fa \cdot Ag = 17126.54$$

$Padm > Pu$ ok !!!!!

b. Diseño por Momento Flector

Determinamos el momento admisible para flexión:

$$fb := 0.66 \cdot fy = 1669.8$$

Determinamos el módulo de sección requerido:

$$Sreq := \frac{Mu}{fb} = 22.9255$$

Para la sección propuesta determinamos el módulo de sección:

$$S := \frac{I}{c} = 25.734$$

$S > Sreq$ ok !!!!!

b. Diseño por Esfuerzo Cortante:

Tenemos en cuenta el cortante admisible determinada según el ASD:

$$fv := 0.40 \cdot fy = 1012.00$$

Para la sección del elemento tenemos que el esfuerzo último a la cortante es:

$$Vadm := Ag \cdot fv = 11752.36$$

$Vadm > Vu$ ok !!!!!

Diseño Estructural de Arco Metálico AS-4 por el Método ASD

Brida Inferior

Datos del Elemento: Doble Ángulo 3"x3"x3/8"

Esfuerzo de Fluencia (kg/cm2):	$fy := 2530$
Módulo de Elásticidad (kg/cm2):	$E := 2040000$
Coeficiente de Esbeltez:	$k := 0.50$
Longitud del Elemento (cm):	$L := 50.00$
Radio de Giro (cm):	$r := 2.319$
Sección del Elemento (cm2):	$Ag := 27.226$
Esfuerzo Axial Último (kg):	$Pu := 35247.35$
Momento Flector Último (kg.cm):	$Mu := 7022.00$
Cortante Ultimo (kg):	$Vu := 3044.18$
Momento de Inercia (cm4):	$I := 146.513$
Distancia de la fibra extrema al eje neutro (cm):	$c := 2.256$

a. Diseño a Tensión

Determinamos la relación de Esbeltez Cc

$$cc := \left[\frac{\left(2 \cdot 3.1416^2 E\right)}{fy}\right]^{0.5} = 126.16$$

Determinamos el esfuerzo a ténsión adminisble del elemento:

$$fa := \frac{\left[\left[1 - \frac{\left(\frac{k \cdot L}{r}\right)^2}{2cc^2}\right]^1 fy\right]}{\frac{5}{3} + 3\frac{\left(\frac{k \cdot L}{r}\right)}{8 \cdot cc} - \frac{\left(\frac{k \cdot L}{r}\right)^3}{8 \cdot cc^3}} = 1483.995$$

Determinamos la carga axial admisible:

$$Padm := fa \cdot Ag = 40403.25$$

$Padm > Pu$ ok !!!!!

b. Diseño por Momento Flector

Determinamos el momento admisible para flexión:

$$fb := 0.66 \cdot fy = 1669.8$$

Determinamos el módulo de sección requerido:

$$Sreq := \frac{Mu}{fb} = 4.20529$$

Para la sección propuesta determinamos el módulo de sección:

$$S := \frac{I}{c} = 64.9437$$

$S > Sreq$ ok !!!!!

b. Diseño por Esfuerzo Cortante:

Tenemos en cuenta el cortante admisible determinada según el ASD:

$$fv := 0.40 \cdot fy = 1012.00$$

Para la sección del elemento tenemos que el esfuerzo último a la cortante es:

$$Vadm := Ag \cdot fv = 27552.71$$

$Vadm > Vu$ ok !!!!!

Diseño Estructural de Arco Metálico AS-4 por el Método ASD

Montante

Datos del Elemento: Doble Ángulo 2"x2"x1/8"

Esfuerzo de Fluencia (kg/cm2):	$fy := 2530$
Módulo de Elásticidad (kg/cm2):	$E := 2040000$
Coeficiente de Esbeltez:	$k := 0.50$
Longitud del Elemento (cm):	$L := 85.00$
Radio de Giro (cm):	$r := 1.59$
Sección del Elemento (cm2):	$Ag := 6.194$
Esfuerzo Axial Último (kg):	$Pu := 8033.34$
Momento Flector Último (kg.cm):	$Mu := 5510.00$
Cortante Ultimo (kg):	$Vu := 125.82$
Momento de Inercia (cm4):	$I := 15.817$
Distancia de la fibra extrema al eje neutro (cm):	$c := 1.387$

a. Diseño a Tensión

Determinamos la relación de Esbeltez Cc

$$cc := \left[\frac{\left(2 \cdot 3.1416^2 E\right)}{fy}\right]^{0.5} = 126.16$$

Determinamos el esfuerzo a ténsión adminisble del elemento:

$$fa := \frac{\left[\left[1 - \frac{\left(\frac{k \cdot L}{r}\right)^2}{2cc^2}\right]^1 fy\right]}{\frac{5}{3} + 3\frac{\left(\frac{k \cdot L}{r}\right)}{8 \cdot cc} - \frac{\left(\frac{k \cdot L}{r}\right)^3}{8 \cdot cc^3}} = 1417.373$$

Determinamos la carga axial admisible:

$$Padm := fa \cdot Ag = 8779.21$$

$Padm > Pu$ ok !!!!!

b. Diseño por Momento Flector

Determinamos el momento admisible para flexión:

$$fb := 0.66 \cdot fy = 1669.8$$

Determinamos el módulo de sección requerido:

$$Sreq := \frac{Mu}{fb} = 3.2998$$

Para la sección propuesta determinamos el módulo de sección:

$$S := \frac{I}{c} = 11.4037$$

$S > Sreq$ ok !!!!!

b. Diseño por Esfuerzo Cortante:

Tenemos en cuenta el cortante admisible determinada según el ASD:

$$fv := 0.40 \cdot fy = 1012.00$$

Para la sección del elemento tenemos que el esfuerzo último a la cortante es:

$$Vadm := Ag \cdot fv = 6268.33$$

$Vadm > Vu$ ok !!!!!

Diseño Estructural de Arco Metálico AS-4 por el Método ASD

Diagonal

Datos del Elemento: Doble Ángulo 2"x2"x3/16"

Esfuerzo de Fluencia (kg/cm2):	$fy := 2530$
Módulo de Elásticidad (kg/cm2):	$E := 2040000$
Coeficiente de Esbeltez:	$k := 0.50$
Longitud del Elemento (cm):	$L := 97.50$
Radio de Giro (cm):	$r := 1.567$
Sección del Elemento (cm2):	$Ag := 9.226$
Esfuerzo Axial Último (kg):	$Pu := 8974.21$
Momento Flector Último (kg.cm):	$Mu := 3640.00$
Cortante Ultimo (kg):	$Vu := 77.22$
Momento de Inercia (cm4):	$I := 22.685$
Distancia de la fibra extrema al eje neutro (cm):	$c := 1.445$

a. Diseño a Tensión

Determinamos la relación de Esbeltez Cc

$$cc := \left[\frac{\left(2\cdot 3.1416^2 E\right)}{fy}\right]^{0.5} = 126.16$$

Determinamos el esfuerzo a ténsión adminisble del elemento:

$$fa := \frac{\left[\left[1 - \frac{\left(\frac{k\cdot L}{r}\right)^2}{2cc^2}\right]^1 fy\right]}{\frac{5}{3} + 3\frac{\left(\frac{k\cdot L}{r}\right)}{8\cdot cc} - \frac{\left(\frac{k\cdot L}{r}\right)^3}{8\cdot cc^3}} = 1395.962$$

Determinamos la carga axial admisible:

$$Padm := fa\cdot Ag = 12879.15$$

$Padm > Pu$ ok !!!!!

b. Diseño por Momento Flector

Determinamos el momento admisible para flexión:

$$fb := 0.66\cdot fy = 1669.8$$

Determinamos el módulo de sección requerido:

$$Sreq := \frac{Mu}{fb} = 2.1799$$

Para la sección propuesta determinamos el módulo de sección:

$$S := \frac{I}{c} = 15.699$$

$S > Sreq$ ok !!!!!

b. Diseño por Esfuerzo Cortante:

Tenemos en cuenta el cortante admisible determinada según el ASD:

$$fv := 0.40 \cdot fy = 1012.00$$

Para la sección del elemento tenemos que el esfuerzo último a la cortante es:

$$Vadm := Ag \cdot fv = 9336.71$$

$Vadm > Vu$ ok !!!!!

Diseño Estructural de Arco Metálico AS-5 por el Método ASD

Brida Superior

Datos del Elemento: Doble Ángulo 2"x2"x1/8"

Esfuerzo de Fluencia (kg/cm2):	$fy := 2530$
Módulo de Elásticidad (kg/cm2):	$E := 2040000$
Coeficiente de Esbeltez:	$k := 0.50$
Longitud del Elemento (cm):	$L := 52.50$
Radio de Giro (cm):	$r := 1.59$
Sección del Elemento (cm2):	$Ag := 6.194$
Esfuerzo Axial Último (kg):	$Pu := 6531.80$
Momento Flector Último (kg.cm):	$Mu := 2711.00$
Cortante Ultimo (kg):	$Vu := 141.43$
Momento de Inercia (cm4):	$I := 15.817$
Distancia de la fibra extrema al eje neutro (cm):	$c := 1.387$

a. Diseño a Tensión

Determinamos la relación de Esbeltez Cc

$$cc := \left[\frac{\left(2\cdot 3.1416^2 E\right)}{fy}\right]^{0.5} = 126.16$$

Determinamos el esfuerzo a tensión adminisble del elemento:

$$fa := \frac{\left[\left[1 - \frac{\left(\frac{k\cdot L}{r}\right)^2}{2cc^2}\right]^1 fy\right]}{\frac{5}{3} + 3\frac{\left(\frac{k\cdot L}{r}\right)}{8\cdot cc} - \frac{\left(\frac{k\cdot L}{r}\right)^3}{8\cdot cc^3}} = 1462.196$$

Determinamos la carga axial admisible:

$$Padm := fa\cdot Ag = 9056.84$$

$Padm > Pu$ ok !!!!!

b. Diseño por Momento Flector

Determinamos el momento admisible para flexión:

$$fb := 0.66\cdot fy = 1669.8$$

Determinamos el módulo de sección requerido:

$$Sreq := \frac{Mu}{fb} = 1.62355$$

Para la sección propuesta determinamos el módulo de sección:

$$S := \frac{I}{c} = 11.4037$$

$S > Sreq$ ok !!!!!

b. Diseño por Esfuerzo Cortante:

Tenemos en cuenta el cortante admisible determinada según el ASD:

$$fv := 0.40 \cdot fy = 1012.00$$

Para la sección del elemento tenemos que el esfuerzo último a la cortante es:

$$Vadm := Ag \cdot fv = 6268.33$$

$Vadm > Vu$ ok !!!!!

Diseño Estructural de Arco Metálico AS-5 por el Método ASD

Brida Inferior

Datos del Elemento: Doble Ángulo 2"x2"x1/4"

Esfuerzo de Fluencia (kg/cm2):	$fy := 2530$
Módulo de Elásticidad (kg/cm2):	$E := 2040000$
Coeficiente de Esbeltez:	$k := 0.50$
Longitud del Elemento (cm):	$L := 50.00$
Radio de Giro (cm):	$r := 1.547$
Sección del Elemento (cm2):	$Ag := 12.129$
Esfuerzo Axial Último (kg):	$Pu := 14670.44$
Momento Flector Último (kg.cm):	$Mu := 2639.00$
Cortante Ultimo (kg):	$Vu := 9137.00$
Momento de Inercia (cm4):	$I := 28.928$
Distancia de la fibra extrema al eje neutro (cm):	$c := 1.504$

a. Diseño a Tensión

Determinamos la relación de Esbeltez Cc

$$cc := \left[\frac{\left(2\cdot 3.1416^2 E\right)}{fy}\right]^{0.5} = 126.16$$

Determinamos el esfuerzo a ténsión adminisble del elemento:

$$fa := \frac{\left[\left[1 - \frac{\left(\frac{k\cdot L}{r}\right)^2}{2cc^2}\right]^1 fy\right]}{\frac{5}{3} + 3\frac{\left(\frac{k\cdot L}{r}\right)}{8\cdot cc} - \frac{\left(\frac{k\cdot L}{r}\right)^3}{8\cdot cc^3}} = 1463.594$$

Determinamos la carga axial admisible:

$$Padm := fa\cdot Ag = 17751.94$$

$Padm > Pu$ ok !!!!!

b. Diseño por Momento Flector

Determinamos el momento admisible para flexión:

$$fb := 0.66\cdot fy = 1669.8$$

Determinamos el módulo de sección requerido:

$$Sreq := \frac{Mu}{fb} = 1.58043$$

Para la sección propuesta determinamos el módulo de sección:

$$S := \frac{I}{c} = 19.234$$

$S > Sreq$ ok !!!!!

b. Diseño por Esfuerzo Cortante:

Tenemos en cuenta el cortante admisible determinada según el ASD:

$$fv := 0.40 \cdot fy = 1012.00$$

Para la sección del elemento tenemos que el esfuerzo último a la cortante es:

$$Vadm := Ag \cdot fv = 12274.55$$

$Vadm > Vu$ ok !!!!!

Diseño Estructural de Arco Metálico AS-5 por el Método ASD

Montante

Datos del Elemento: Doble Ángulo 2"x2"x1/8"

Esfuerzo de Fluencia (kg/cm2):	$fy := 2530$
Módulo de Elásticidad (kg/cm2):	$E := 2040000$
Coeficiente de Esbeltez:	$k := 0.50$
Longitud del Elemento (cm):	$L := 85.00$
Radio de Giro (cm):	$r := 1.59$
Sección del Elemento (cm2):	$Ag := 6.194$
Esfuerzo Axial Último (kg):	$Pu := 4837.83$
Momento Flector Último (kg.cm):	$Mu := 3161.00$
Cortante Ultimo (kg):	$Vu := 68.10$
Momento de Inercia (cm4):	$I := 15.817$
Distancia de la fibra extrema al eje neutro (cm):	$c := 1.387$

a. Diseño a Tensión

Determinamos la relación de Esbeltez Cc

$$cc := \left[\frac{\left(2\cdot 3.1416^2 E\right)}{fy}\right]^{0.5} = 126.16$$

Determinamos el esfuerzo a ténsión adminisble del elemento:

$$fa := \frac{\left[\left[1 - \frac{\left(\frac{k\cdot L}{r}\right)^2}{2cc^2}\right]^1 fy\right]}{\frac{5}{3} + 3\frac{\left(\frac{k\cdot L}{r}\right)}{8\cdot cc} - \frac{\left(\frac{k\cdot L}{r}\right)^3}{8\cdot cc^3}} = 1417.373$$

Determinamos la carga axial admisible:

$$Padm := fa\cdot Ag = 8779.21$$

$Padm > Pu$ ok !!!!!

b. Diseño por Momento Flector

Determinamos el momento admisible para flexión:

$$fb := 0.66\cdot fy = 1669.8$$

Determinamos el módulo de sección requerido:

$$Sreq := \frac{Mu}{fb} = 1.89304$$

Para la sección propuesta determinamos el módulo de sección:

$$S := \frac{I}{c} = 11.4037$$

$S > Sreq$ ok !!!!!

b. Diseño por Esfuerzo Cortante:

Tenemos en cuenta el cortante admisible determinada según el ASD:

$$fv := 0.40 \cdot fy = 1012.00$$

Para la sección del elemento tenemos que el esfuerzo último a la cortante es:

$$Vadm := Ag \cdot fv = 6268.33$$

$Vadm > Vu$ ok !!!!!

Diseño Estructural de Arco Metálico AS-5 por el Método ASD

Diagonal

Datos del Elemento: Doble Ángulo 2"x2"x1/8"

Esfuerzo de Fluencia (kg/cm2):	$fy := 2530$
Módulo de Elásticidad (kg/cm2):	$E := 2040000$
Coeficiente de Esbeltez:	$k := 0.50$
Longitud del Elemento (cm):	$L := 97.50$
Radio de Giro (cm):	$r := 1.59$
Sección del Elemento (cm2):	$Ag := 6.194$
Esfuerzo Axial Último (kg):	$Pu := 4958.95$
Momento Flector Último (kg.cm):	$Mu := 1595.00$
Cortante Ultimo (kg):	$Vu := 30.35$
Momento de Inercia (cm4):	$I := 15.817$
Distancia de la fibra extrema al eje neutro (cm):	$c := 1.387$

a. Diseño a Tensión

Determinamos la relación de Esbeltez Cc

$$cc := \left[\frac{\left(2\cdot 3.1416^2 E\right)}{fy}\right]^{0.5} = 126.16$$

Determinamos el esfuerzo a ténsión adminisble del elemento:

$$fa := \frac{\left[\left[1 - \frac{\left(\frac{k\cdot L}{r}\right)^2}{2cc^2}\right]^1 fy\right]}{\frac{5}{3} + 3\frac{\left(\frac{k\cdot L}{r}\right)}{8\cdot cc} - \frac{\left(\frac{k\cdot L}{r}\right)^3}{8\cdot cc^3}} = 1398.220$$

Determinamos la carga axial admisible:

$$Padm := fa\cdot Ag = 8660.58$$

$Padm > Pu$ ok !!!!!

b. Diseño por Momento Flector

Determinamos el momento admisible para flexión:

$$fb := 0.66\cdot fy = 1669.8$$

Determinamos el módulo de sección requerido:

$$Sreq := \frac{Mu}{fb} = 0.9552$$

Para la sección propuesta determinamos el módulo de sección:

$$S := \frac{I}{c} = 11.4037$$

$S > Sreq$ ok !!!!!

b. Diseño por Esfuerzo Cortante:

Tenemos en cuenta el cortante admisible determinada según el ASD:

$$fv := 0.40 \cdot fy = 1012.00$$

Para la sección del elemento tenemos que el esfuerzo último a la cortante es:

$$Vadm := Ag \cdot fv = 6268.33$$

$Vadm > Vu$ ok !!!!!

Diseño Estructural de Arco Metálico Ornamental por el Método ASD

Brida Superior

Datos del Elemento: Doble Ángulo 2"x2"x1/8"

Esfuerzo de Fluencia (kg/cm2):	$fy := 2530$
Módulo de Elásticidad (kg/cm2):	$E := 2040000$
Coeficiente de Esbeltez:	$k := 0.50$
Longitud del Elemento (cm):	$L := 37.00$
Radio de Giro (cm):	$r := 1.59$
Sección del Elemento (cm2):	$Ag := 6.194$
Esfuerzo Axial Último (kg):	$Pu := 4623.69$
Momento Flector Último (kg.cm):	$Mu := 8984.00$
Cortante Ultimo (kg):	$Vu := 257.29$
Momento de Inercia (cm4):	$I := 15.817$
Distancia de la fibra extrema al eje neutro (cm):	$c := 1.387$

a. Diseño a Tensión

Determinamos la relación de Esbeltez Cc

$$cc := \left[\frac{\left(2\cdot 3.1416^2 E\right)}{fy}\right]^{0.5} = 126.16$$

Determinamos el esfuerzo a ténsión adminisble del elemento:

$$fa := \frac{\left[\left[1 - \frac{\left(\frac{k\cdot L}{r}\right)^2}{2cc^2}\right]^1 fy\right]}{\frac{5}{3} + 3\frac{\left(\frac{k\cdot L}{r}\right)}{8\cdot cc} - \frac{\left(\frac{k\cdot L}{r}\right)^3}{8\cdot cc^3}} = 1480.901$$

Determinamos la carga axial admisible:

$$Padm := fa\cdot Ag = 9172.7$$

$Padm > Pu$ ok !!!!!

b. Diseño por Momento Flector

Determinamos el momento admisible para flexión:

$$fb := 0.66\cdot fy = 1669.8$$

Determinamos el módulo de sección requerido:

$$Sreq := \frac{Mu}{fb} = 5.38029$$

Para la sección propuesta determinamos el módulo de sección:

$$S := \frac{I}{c} = 11.4037$$

$S > Sreq$ ok !!!!!

b. Diseño por Esfuerzo Cortante:

Tenemos en cuenta el cortante admisible determinada según el ASD:

$$fv := 0.40 \cdot fy = 1012.00$$

Para la sección del elemento tenemos que el esfuerzo último a la cortante es:

$$Vadm := Ag \cdot fv = 6268.33$$

$Vadm > Vu$ ok !!!!!

Diseño Estructural de Arco Metálico Ornamental por el Método ASD

Brida Inferior

Datos del Elemento: Doble Ángulo 2"x2"x1/8"

Esfuerzo de Fluencia (kg/cm2):	$fy := 2530$
Módulo de Elásticidad (kg/cm2):	$E := 2040000$
Coeficiente de Esbeltez:	$k := 0.50$
Longitud del Elemento (cm):	$L := 37.00$
Radio de Giro (cm):	$r := 1.59$
Sección del Elemento (cm2):	$Ag := 6.194$
Esfuerzo Axial Último (kg):	$Pu := 3736.59$
Momento Flector Último (kg.cm):	$Mu := 5155.00$
Cortante Ultimo (kg):	$Vu := 149.31$
Momento de Inercia (cm4):	$I := 15.817$
Distancia de la fibra extrema al eje neutro (cm):	$c := 1.387$

a. Diseño a Tensión

Determinamos la relación de Esbeltez Cc

$$cc := \left[\frac{\left(2 \cdot 3.1416^2 E\right)}{fy}\right]^{0.5} = 126.16$$

Determinamos el esfuerzo a ténsión adminisble del elemento:

$$fa := \frac{\left[\left[1 - \frac{\left(\frac{k \cdot L}{r}\right)^2}{2cc^2}\right]^1 fy\right]}{\frac{5}{3} + 3\frac{\left(\frac{k \cdot L}{r}\right)}{8 \cdot cc} - \frac{\left(\frac{k \cdot L}{r}\right)^3}{8 \cdot cc^3}} = 1480.901$$

Determinamos la carga axial admisible:

$$Padm := fa \cdot Ag = 9172.7$$

$Padm > Pu$ ok !!!!!

b. Diseño por Momento Flector

Determinamos el momento admisible para flexión:

$$fb := 0.66 \cdot fy = 1669.8$$

Determinamos el módulo de sección requerido:

$$Sreq := \frac{Mu}{fb} = 3.0872$$

Para la sección propuesta determinamos el módulo de sección:

$$S := \frac{I}{c} = 11.4037$$

$S > Sreq$ ok !!!!!

b. Diseño por Esfuerzo Cortante:

Tenemos en cuenta el cortante admisible determinada según el ASD:

$$fv := 0.40 \cdot fy = 1012.00$$

Para la sección del elemento tenemos que el esfuerzo último a la cortante es:

$$Vadm := Ag \cdot fv = 6268.33$$

$Vadm > Vu$ ok !!!!!

Diseño Estructural de Arco Metálico Ornamental por el Método ASD

Montante

Datos del Elemento: Doble Ángulo 2"x2"x1/8"

Esfuerzo de Fluencia (kg/cm2):	$fy := 2530$
Módulo de Elásticidad (kg/cm2):	$E := 2040000$
Coeficiente de Esbeltez:	$k := 0.50$
Longitud del Elemento (cm):	$L := 35.00$
Radio de Giro (cm):	$r := 1.59$
Sección del Elemento (cm2):	$Ag := 6.194$
Esfuerzo Axial Último (kg):	$Pu := 1189.17$
Momento Flector Último (kg.cm):	$Mu := 1087.00$
Cortante Ultimo (kg):	$Vu := 62.90$
Momento de Inercia (cm4):	$I := 15.817$
Distancia de la fibra extrema al eje neutro (cm):	$c := 1.387$

a. Diseño a Tensión

Determinamos la relación de Esbeltez Cc

$$cc := \left[\frac{\left(2\cdot 3.1416^2 E\right)}{fy}\right]^{0.5} = 126.16$$

Determinamos el esfuerzo a ténsión adminisble del elemento:

$$fa := \frac{\left[\left[1 - \frac{\left(\frac{k\cdot L}{r}\right)^2}{2cc^2}\right]^1 fy\right]}{\frac{5}{3} + 3\frac{\left(\frac{k\cdot L}{r}\right)}{8\cdot cc} - \frac{\left(\frac{k\cdot L}{r}\right)^3}{8\cdot cc^3}} = 1483.183$$

Determinamos la carga axial admisible:

$$Padm := fa\cdot Ag = 9186.84$$

$Padm > Pu$ ok !!!!!

b. Diseño por Momento Flector

Determinamos el momento admisible para flexión:

$$fb := 0.66\cdot fy = 1669.8$$

Determinamos el módulo de sección requerido:

$$Sreq := \frac{Mu}{fb} = 0.65098$$

Para la sección propuesta determinamos el módulo de sección:

$$S := \frac{I}{c} = 11.4037$$

$S > Sreq$ ok !!!!!

b. Diseño por Esfuerzo Cortante:

Tenemos en cuenta el cortante admisible determinada según el ASD:

$$fv := 0.40 \cdot fy = 1012.00$$

Para la sección del elemento tenemos que el esfuerzo último a la cortante es:

$$Vadm := Ag \cdot fv = 6268.33$$

$Vadm > Vu$ ok !!!!!

Diseño Estructural de Arco Metálico Ornamental por el Método ASD

Diagonal

Datos del Elemento: Doble Ángulo 2"x2"x1/8"

Esfuerzo de Fluencia (kg/cm2):	$fy := 2530$
Módulo de Elásticidad (kg/cm2):	$E := 2040000$
Coeficiente de Esbeltez:	$k := 0.50$
Longitud del Elemento (cm):	$L := 52.50$
Radio de Giro (cm):	$r := 1.59$
Sección del Elemento (cm2):	$Ag := 6.194$
Esfuerzo Axial Último (kg):	$Pu := 999.84$
Momento Flector Último (kg.cm):	$Mu := 990.00$
Cortante Ultimo (kg):	$Vu := 29.67$
Momento de Inercia (cm4):	$I := 15.817$
Distancia de la fibra extrema al eje neutro (cm):	$c := 1.387$

a. Diseño a Tensión

Determinamos la relación de Esbeltez Cc

$$cc := \left[\frac{\left(2\cdot 3.1416^2 E\right)}{fy}\right]^{0.5} = 126.16$$

Determinamos el esfuerzo a ténsión adminisble del elemento:

$$fa := \frac{\left[\left[1 - \frac{\left(\frac{k\cdot L}{r}\right)^2}{2cc^2}\right]^1 fy\right]}{\frac{5}{3} + 3\frac{\left(\frac{k\cdot L}{r}\right)}{8\cdot cc} - \frac{\left(\frac{k\cdot L}{r}\right)^3}{8\cdot cc^3}} = 1462.196$$

Determinamos la carga axial admisible:

$$Padm := fa\cdot Ag = 9056.84$$

$Padm > Pu$ ok !!!!!

b. Diseño por Momento Flector

Determinamos el momento admisible para flexión:

$$fb := 0.66\cdot fy = 1669.8$$

Determinamos el módulo de sección requerido:

$$Sreq := \frac{Mu}{fb} = 0.59289$$

Para la sección propuesta determinamos el módulo de sección:

$$S := \frac{I}{c} = 11.4037$$

$S > Sreq$ ok !!!!!

b. Diseño por Esfuerzo Cortante:

Tenemos en cuenta el cortante admisible determinada según el ASD:

$$fv := 0.40 \cdot fy = 1012.00$$

Para la sección del elemento tenemos que el esfuerzo último a la cortante es:

$$Vadm := Ag \cdot fv = 6268.33$$

$Vadm > Vu$ ok !!!!!

Diseño Estructural de Viga Metálica por el Método ASD

Brida Superior

Datos del Elemento: Doble Ángulo 3"x3"x1/2"

Esfuerzo de Fluencia (kg/cm2):	$fy := 2530$
Módulo de Elásticidad (kg/cm2):	$E := 2040000$
Coeficiente de Esbeltez:	$k := 0.50$
Longitud del Elemento (cm):	$L := 50.00$
Radio de Giro (cm):	$r := 2.281$
Sección del Elemento (cm2):	$Ag := 35.484$
Esfuerzo Axial Último (kg):	$Pu := 25592.85$
Momento Flector Último (kg.cm):	$Mu := 97287.00$
Cortante Ultimo (kg):	$Vu := 12038.31$
Momento de Inercia (cm4):	$I := 184.391$
Distancia de la fibra extrema al eje neutro (cm):	$c := 2.367$

a. Diseño a Tensión

Determinamos la relación de Esbeltez Cc

$$cc := \left[\frac{\left(2 \cdot 3.1416^2 E\right)}{fy}\right]^{0.5} = 126.16$$

Determinamos el esfuerzo a ténsión adminisble del elemento:

$$fa := \frac{\left[\left[1 - \frac{\left(\frac{k \cdot L}{r}\right)^2}{2cc^2}\right]^1 fy\right]}{\frac{5}{3} + 3\frac{\left(\frac{k \cdot L}{r}\right)}{8 \cdot cc} - \frac{\left(\frac{k \cdot L}{r}\right)^3}{8 \cdot cc^3}} = 1483.350$$

Determinamos la carga axial admisible:

$$Padm := fa \cdot Ag = 52635.18$$

$Padm > Pu$ ok !!!!!

b. Diseño por Momento Flector

Determinamos el momento admisible para flexión:

$$fb := 0.66 \cdot fy = 1669.8$$

Determinamos el módulo de sección requerido:

$$Sreq := \frac{Mu}{fb} = 58.26267$$

Para la sección propuesta determinamos el módulo de sección:

$$S := \frac{I}{c} = 77.9007$$

$S > Sreq$ ok !!!!!

b. Diseño por Esfuerzo Cortante:

Tenemos en cuenta el cortante admisible determinada según el ASD:

$$fv := 0.40 \cdot fy = 1012.00$$

Para la sección del elemento tenemos que el esfuerzo último a la cortante es:

$$Vadm := Ag \cdot fv = 35909.81$$

$Vadm > Vu$ ok !!!!!

Diseño Estructural de Viga Metálica por el Método ASD

Brida Inferior

Datos del Elemento: Doble Ángulo 2.1/2"x2.1/2"x3/16"

Esfuerzo de Fluencia (kg/cm2):	$fy := 2530$
Módulo de Elásticidad (kg/cm2):	$E := 2040000$
Coeficiente de Esbeltez:	$k := 0.50$
Longitud del Elemento (cm):	$L := 50.00$
Radio de Giro (cm):	$r := 1.976$
Sección del Elemento (cm2):	$Ag := 11.613$
Esfuerzo Axial Último (kg):	$Pu := 7010.30$
Momento Flector Último (kg.cm):	$Mu := 15499.00$
Cortante Ultimo (kg):	$Vu := 498.46$
Momento de Inercia (cm4):	$I := 45.369$
Distancia de la fibra extrema al eje neutro (cm):	$c := 1.763$

a. Diseño a Tensión

Determinamos la relación de Esbeltez Cc

$$cc := \left[\frac{\left(2 \cdot 3.1416^2 E\right)}{fy}\right]^{0.5} = 126.16$$

Determinamos el esfuerzo a ténsión adminisble del elemento:

$$fa := \frac{\left[\left[1 - \frac{\left(\frac{k \cdot L}{r}\right)^2}{2cc^2}\right]^1 fy\right]}{\frac{5}{3} + 3\frac{\left(\frac{k \cdot L}{r}\right)}{8 \cdot cc} - \frac{\left(\frac{k \cdot L}{r}\right)^3}{8 \cdot cc^3}} = 1477.148$$

Determinamos la carga axial admisible:

$$Padm := fa \cdot Ag = 17154.12$$

$Padm > Pu$ ok !!!!!

b. Diseño por Momento Flector

Determinamos el momento admisible para flexión:

$$fb := 0.66 \cdot fy = 1669.8$$

Determinamos el módulo de sección requerido:

$$Sreq := \frac{Mu}{fb} = 9.28195$$

Para la sección propuesta determinamos el módulo de sección:

$$S := \frac{I}{c} = 25.734$$

$S > Sreq$ ok !!!!!

b. Diseño por Esfuerzo Cortante:

Tenemos en cuenta el cortante admisible determinada según el ASD:

$$fv := 0.40 \cdot fy = 1012.00$$

Para la sección del elemento tenemos que el esfuerzo último a la cortante es:

$$Vadm := Ag \cdot fv = 11752.36$$

$Vadm > Vu$ ok !!!!!

Diseño Estructural de Viga Metálica por el Método ASD

Montante

Datos del Elemento: Doble Ángulo 3"x3"x1/4"

Esfuerzo de Fluencia (kg/cm2):	$fy := 2530$
Módulo de Elásticidad (kg/cm2):	$E := 2040000$
Coeficiente de Esbeltez:	$k := 0.50$
Longitud del Elemento (cm):	$L := 70.00$
Radio de Giro (cm):	$r := 2.362$
Sección del Elemento (cm2):	$Ag := 18.581$
Esfuerzo Axial Último (kg):	$Pu := 21905.58$
Momento Flector Último (kg.cm):	$Mu := 39411.00$
Cortante Ultimo (kg):	$Vu := 927.21$
Momento de Inercia (cm4):	$I := 103.642$
Distancia de la fibra extrema al eje neutro (cm):	$c := 2.139$

a. Diseño a Tensión

Determinamos la relación de Esbeltez Cc

$$cc := \left[\frac{\left(2 \cdot 3.1416^2 E\right)}{fy}\right]^{0.5} = 126.16$$

Determinamos el esfuerzo a ténsión adminisble del elemento:

$$fa := \frac{\left[\left[1 - \frac{\left(\frac{k \cdot L}{r}\right)^2}{2cc^2}\right]^1 fy\right]}{\frac{5}{3} + 3\frac{\left(\frac{k \cdot L}{r}\right)}{8 \cdot cc} - \frac{\left(\frac{k \cdot L}{r}\right)^3}{8 \cdot cc^3}} = 1468.889$$

Determinamos la carga axial admisible:

$$Padm := fa \cdot Ag = 27293.43$$

$Padm > Pu$ ok !!!!!

b. Diseño por Momento Flector

Determinamos el momento admisible para flexión:

$$fb := 0.66 \cdot fy = 1669.8$$

Determinamos el módulo de sección requerido:

$$Sreq := \frac{Mu}{fb} = 23.60223$$

Para la sección propuesta determinamos el módulo de sección:

$$S := \frac{I}{c} = 48.4535$$

$S > Sreq$ ok !!!!!

b. Diseño por Esfuerzo Cortante:

Tenemos en cuenta el cortante admisible determinada según el ASD:

$$fv := 0.40 \cdot fy = 1012.00$$

Para la sección del elemento tenemos que el esfuerzo último a la cortante es:

$$Vadm := Ag \cdot fv = 18803.97$$

$Vadm > Vu$ ok !!!!!

Diseño Estructural de Viga Metálica por el Método ASD

Diagonal

Datos del Elemento: Doble Ángulo 2.1/2"x2.1/2"x3/16"

Esfuerzo de Fluencia (kg/cm2):	$fy := 2530$
Módulo de Elásticidad (kg/cm2):	$E := 2040000$
Coeficiente de Esbeltez:	$k := 0.50$
Longitud del Elemento (cm):	$L := 85.00$
Radio de Giro (cm):	$r := 1.976$
Sección del Elemento (cm2):	$Ag := 11.613$
Esfuerzo Axial Último (kg):	$Pu := 12233.06$
Momento Flector Último (kg.cm):	$Mu := 6472.00$
Cortante Ultimo (kg):	$Vu := 108.90$
Momento de Inercia (cm4):	$I := 45.369$
Distancia de la fibra extrema al eje neutro (cm):	$c := 1.763$

a. Diseño a Tensión

Determinamos la relación de Esbeltez Cc

$$cc := \left[\frac{\left(2\cdot 3.1416^2 E\right)}{fy}\right]^{0.5} = 126.16$$

Determinamos el esfuerzo a ténsión adminisble del elemento:

$$fa := \frac{\left[\left[1 - \frac{\left(\frac{k\cdot L}{r}\right)^2}{2cc^2}\right]^1 fy\right]}{\frac{5}{3} + 3\frac{\left(\frac{k\cdot L}{r}\right)}{8\cdot cc} - \frac{\left(\frac{k\cdot L}{r}\right)^3}{8\cdot cc^3}} = 1441.193$$

Determinamos la carga axial admisible:

$$Padm := fa\cdot Ag = 16736.58$$

$Padm > Pu$ ok !!!!!

b. Diseño por Momento Flector

Determinamos el momento admisible para flexión:

$$fb := 0.66\cdot fy = 1669.8$$

Determinamos el módulo de sección requerido:

$$Sreq := \frac{Mu}{fb} = 3.87591$$

Para la sección propuesta determinamos el módulo de sección:

$$S := \frac{I}{c} = 25.734$$

$S > Sreq$ ok !!!!!

b. Diseño por Esfuerzo Cortante:

Tenemos en cuenta el cortante admisible determinada según el ASD:

$$fv := 0.40 \cdot fy = 1012.00$$

Para la sección del elemento tenemos que el esfuerzo último a la cortante es:

$$Vadm := Ag \cdot fv = 11752.36$$

$Vadm > Vu$ ok !!!!!

ANEXO IX

DISEÑO DE SOLDADURAS

DISEÑO DE SOLDADURAS

1. DISEÑO DE SOLDADURAS

1.1 DISEÑO DE SOLDADURA EN CORREAS METALICAS

Para el caso de las correas metálicas de optará por la utilización de soldadura tipo ranura de penetración completa, la misma que esta en función a la resistencia del material base que conforma el elemento estructural.

Como sabemos, las cargas actuantes en los elementos son:

ELEM.	CARGA ACTUANTE				LONG. (CM)
	TENSIÓN (KG.)	COMPRESION (KG.)	CORTANTE (KG.)	MOMENTO (KG.CM.)	
BI	920.000	484.000	0.396	3.785	49.50
BS	201.700	134.200	1.487	31.180	49.50
D	134.930	134.010	0.529	9.520	40.20

Cuadro 8.2: Resumen de Cargas actuantes en los Elementos de Correa Metálica.

Así mismo, de acuerdo a los cálculos realizados se han obtenido las siguientes secciones:

SECCION CALCULADA		
BRIDA SUPERIOR	BRIDA INFERIOR	DIAGONAL
Ø1/2"	Ø1/2"	Ø3/8"

Cuadro 8.3: Resumen de secciones en los Elementos de Correa Metálica.

1.1.1 VERIFICACION DE SOLDADURA EN BRIDAS

a. Verificando la resistencia de diseño por tensión:

Datos:

$\phi = 0.90$

$f_y = 4{,}200 kg/cm^2$

$A_g = 1.27 cm^2$

$Soladura = E70$ (Proceso SMAW)

Teniendo en cuenta que se está analizando la tensión y/o compresión aplicada de manera normal a la sección efectiva del elemento, tenemos en cuenta la resistencia de diseño de las soldaduras dadas por la tabla J2.5 del LRFD.

$$P_u = \phi f_y A_g$$

$$P_u = (0.90)(4{,}200.00 kg/cm^2)(1.27 cm^2)$$

$$P_u = 4{,}800.60 kg > 920 kg. \qquad ok_!$$

b. Verificando la resistencia de diseño por cortante de la soldadura:

Primero fórmula debida a la Base determinada de la tabla J2.5 del LRFD:

$$V_{u1} = \phi(0.60) f_y A_g$$

$$V_{u1} = (0.90)(0.60)(4{,}200.00kg/cm^2)(1.27cm^2)$$
$$V_{u1} = 2{,}880.36kg > 1.487kg \qquad ok¡$$

Segunda fórmula debida a la soldadura determinada de la tabla J2.5 del LRFD:

$$V_{u2} = \phi(0.60)F_{EXX}A_W$$
$$V_{u2} = (0.80)(0.60)(4{,}921.49kg/cm^2)(1.27cm^2)$$
$$V_{u2} = 3{,}000.14kg > 1.487kg \qquad ok¡$$

c. Verificando la resistencia de diseño a momento flector:

$$C = T = \frac{M_u}{d}$$
$$C = T = \frac{31.18kg.cm}{1.27cm}$$
$$C = T = 24.55kg.$$

Determinamos el área de soldadura requerida:

$$A_{REQ} = \frac{24.55kg}{0.90 \times 4{,}200kg/cm^2}$$
$$A_{REQ} = 0.0065cm^2 < 1.27cm^2 \qquad ok¡$$

1.1.2 VERIFICACION DE SOLDADURA EN DIAGONALES

a. Verificando la resistencia de diseño por tensión:

Datos:

$\phi = 0.90$

$f_y = 4{,}200kg/cm^2$

$A_g = 0.71cm^2$

$Soladura = E70$ (Proceso SMAW)

Teniendo en cuenta que se está analizando la tensión y/o compresión aplicada de manera normal a la sección efectiva del elemento, tenemos en cuenta la resistencia de diseño de las soldaduras dadas por la tabla J2.5 del LRFD.

$$P_u = \phi f_y A_g$$
$$P_u = (0.90)(4{,}200.00kg/cm^2)(0.71cm^2)$$
$$P_u = 2{,}683.80kg > 134.93kg. \qquad ok¡$$

b. Verificando la resistencia de diseño por cortante de la soldadura:

Primero fórmula debida a la Base determinada de la tabla J2.5 del LRFD:

$$V_{u1} = \phi(0.60)f_y A_g$$
$$V_{u1} = (0.90)(0.60)(4{,}200.00kg/cm^2)(0.71cm^2)$$
$$V_{u1} = 1{,}610.28kg > 0.529kg \qquad ok¡$$

Segunda fórmula debida a la soldadura determinada de la tabla J2.5 del LRFD:

$$V_{u2} = \phi(0.60)F_{EXX}A_W$$

$$V_{u2} = (0.80)(0.60)(4{,}921.49kg/cm^2)(0.71cm^2)$$
$$V_{u2} = 1{,}677.24kg > 0.529kg \qquad ok_{¡}$$

c. Verificando la resistencia de diseño a momento flector:

$$C = T = \frac{M_u}{d}$$
$$C = T = \frac{9.52kg.cm}{0.71cm}$$
$$C = T = 13.41kg.$$

Determinamos el área de soldadura requerida:

$$A_{REQ} = \frac{13.41kg}{0.90 \times 4{,}200kg/cm^2}$$
$$A_{REQ} = 0.0035cm^2 < 0.71cm^2 \qquad ok_{¡}$$

1.2 DISEÑO DE SOLDADURA EN ARCOS METALICOS

Para el caso de los arcos metálicos se optará por la utilización de soldadura tipo filete para la unión de los elementos diagonales y montantes con las bridas superiores o inferiores y soldadura de ranura de penetración completa en las uniones longitudinales de las bridas superiores e inferiores.

Como sabemos, de acuerdo al análisis estructural realizado a los arcos, metálicos, las cargas de diseño en sus elementos estructurales son:

Cuadro 8.4: Resumen de Cargas actuantes en los Elementos de Arcos Metálicos.

ARCO	ELEM.	CARGA ACTUANTE				LONG. (CM)
		TENSIÓN (KG.)	COMPRESION (KG.)	CORTANTE (KG.)	MOMENTO (KG.CM.)	
AP-1	BS	4,318.20	17,252.30	4,800.50	73,592.00	52.50
	BI	13,876.30	13,890.70	236.90	7,630.00	50.00
	M	3,931.30	2,026.80	294.00	10,870.00	85.00
	D	2,119.70	5,319.60	1,564.10	45,100.00	97.50
AP-2	BS	6,626.00	26,249.50	1,226.80	56,990.00	52.50
	BI	32,914.60	7,957.80	262.90	9,940.00	50.00
	M	5,037.50	1,671.50	71.40	2,910.00	85.00
	D	857.60	4,697.80	114.60	7,260.00	97.50
AS-1	BS	33,885.00	17,903.20	2,953.70	69,200.00	52.50
	BI	21,738.30	57,183.50	911.11	29,940.00	50.00
	M	15,124.60	15,843.70	339.34	15,130.00	85.00
	D	19,112.00	20,413.70	834.60	59,300.00	97.50
AS-2	BS	3,757.00	1,943.30	29.10	930.00	52.50
	BI	2,122.10	11,055.40	36.60	1,030.00	50.00
	M	1,213.10	1,468.10	20.80	830.00	85.00
	D	1,500.30	1,637.10	15.00	530.00	97.50
AS-3	BS	3,318.30	2,174.40	23.70	800.00	52.50
	BI	3,403.30	8,769.60	37.60	960.00	50.00
	M	928.00	1,113.70	20.00	800.00	85.00
	D	1,474.20	1,232.80	13.60	510.00	97.50
AS-4	BS	16,668.50	13,390.20	1,439.40	10,480.00	52.50
	BI	9,846.00	38,300.40	3,031.10	6,980.00	50.00
	M	7,985.50	2,228.50	125.10	5,460.00	85.00
	D	2,799.00	9,795.70	76.90	3,980.00	97.50

AS-5	BS	6,347.40	7,624.70	138.30	2,660.00	52.50
	BI	14,309.10	3,861.40	100.80	2,800.00	50.00
	M	4,793.90	3,077.80	67.40	3,120.00	85.00
	D	4,111.40	5,365.50	33.30	1,760.00	97.50
VIGA	BS	6,363.50	27,450.30	12,216.20	98,750.00	50.00
	BI	4,356.70	7,893.70	538.10	15,770.00	50.00
	M	5,148.70	23,617.60	942.30	23,540.00	70.00
	D	12,426.70	2,720.90	113.40	6,600.00	85.00
T.ORN.	BS	1,818.10	4,904.80	272.90	9,530.00	37.00
	BI	993.80	3,962.40	158.60	5,470.00	37.00
	M	1,223.00	484.00	72.70	1,170.00	35.00
	D	621.70	1,036.60	31.80	1,010.00	52.50

Así mismo, de acuerdo a los cálculos realizados se han obtenido las siguientes secciones:

Cuadro 8.5: Resumen de secciones en los Elementos de Arcos Metálicos

ARCO	SECCION CALCULADA			
	BRIDA SUPERIOR	BRIDA INFERIOR	MONTANTE	DIAGONAL
AP-1	2L3"x3"x3/8"	2L2.1/2"x2.1/2"x3/16"	2L2"x2"x1/8"	2L2.1/2"x2.1/2"x1/4"
AP-2	2L3"x3"x3/8"	2L2.1/2"x2.1/2"x5/16"	2L2"x2"x1/8"	2L2"x2"x1/8"
AS-1	2L3"x3"x1/2"	2L3"x3"x1/2"	2L2.1/2"x2.1/2"x1/4"	2L3"x3"x3/8"
AS-2	2L2"x2"x1/8"	2L2"x2"x3/16"	2L2"x2"x1/8"	2L2"x2"x1/8"
AS-3	2L2"x2"x1/8"	2L2"x2"x1/8"	2L2"x2"x1/8"	2L2"x2"x1/8"
AS-4	2L2.1/2"x2.1/2"x3/16"	2L2.1/2"x2.1/2"x3/8"	2L2"x2"x1/8"	2L2"x2"x3/16"
AS-5	2L2"x2"x1/8"	2L2"x2"x3/16"	2L2"x2"x1/8"	2L2"x2"x1/8"
VIGA	2L3"x3"x1/2"	2L2.1/2"x2.1/2"x3/16"	2L3"x3"x1/4"	2L2.1/2"x2.1/2"x3/16"
T. ORN.	2L2"x2"x1/8"	2L2"x2"x1/8"	2L2"x2"x1/8"	2L2"x2"x1/8"

DISEÑO DE SOLDADURA DE RANURA EN ARCOS METÁLICOS

La soldadura de ranura de penetración completa será utilizada en los empalmes longitudinales principalmente en las bridas superiores e inferiores, teniendo que cuenta que las secciones transversales de cada elemento estructural en función a sus cargas máximas aplicables.

PARA UN SECCION TRANSVERSAL DE 2L3"x3"x3/8"

Teniendo en cuenta las máximas solicitaciones:

$$T = 6{,}625.00kg$$
$$C = 26{,}249.00kg$$
$$V = 4{,}800.00kg$$
$$M = 73{,}592.00kg.cm$$

En la tabla 8.3 podemos apreciar las propiedades de geométricas de la sección 2L3"x3"x3/8".

a. Verificando la resistencia de diseño por tensión:

Datos:

$\phi = 0.90$

$f_y = 4{,}200kg/cm^2$

$A_g = 27.23cm^2$

$Soladura = E70$ (Proceso SMAW)

Teniendo en cuenta que se analizando la tensión y/o compresión aplicada de manera normal a la sección efectiva del elemento, tenemos en cuenta la resistencia de diseño de las soldaduras dadas por la tabla J2.5 del LRFD.

$$P_u = \phi f_y A_g$$
$$P_u = (0.90)(4{,}200.00kg/cm^2)(27.23cm^2)$$
$$P_u = 102{,}929.40kg > 26{,}249.00kg. \qquad ok_¡$$

b. Verificando la resistencia de diseño por cortante de la soldadura:

Primero fórmula debida a la Base determinada de la tabla J2.5 del LRFD:

$$V_{u1} = \phi(0.60) f_y A_g$$
$$V_{u1} = (0.90)(0.60)(4{,}200.00kg/cm^2)(27.23cm^2)$$
$$V_{u1} = 61{,}757.64kg > 4{,}800.00kg \qquad ok_¡$$

Segunda fórmula debida a la soldadura determinada de la tabla J2.5 del LRFD:

$$V_{u2} = \phi(0.60) F_{EXX} A_W$$
$$V_{u2} = (0.80)(0.60)(4{,}921.49kg/cm^2)(27.23cm^2)$$
$$V_{u2} = 61{,}757.64kg > 4{,}800.00kg \qquad ok_¡$$

c. Verificando la resistencia de diseño a momento flector:

$$C = T = \frac{M_u}{d}$$
$$C = T = \frac{73{,}592.00kg.cm}{3.60cm}$$
$$C = T = 20{,}442.00kg.$$

Determinamos el área de soldadura requerida:

$$A_{REQ} = \frac{20{,}442.00kg}{0.90 \times 4{,}200kg/cm^2}$$
$$A_{REQ} = 5.408cm^2 < 27.23cm^2 \qquad ok_¡$$

PARA UN SECCION TRANSVERSAL DE 2L3"x3"x1/2"

Teniendo en cuenta las máximas solicitaciones:

$$T = 33{,}885.00.kg$$
$$C = 57{,}183.50kg$$
$$V = 12{,}216.20kg$$
$$M = 98{,}750.00kg.cm$$

En la tabla 8.3 podemos apreciar las propiedades de geométricas de la sección 2L3"x3"x1/2".

a. Verificando la resistencia de diseño por tensión:

Datos:

$\phi = 0.90$

$f_y = 4{,}200kg/cm^2$

$A_g = 35.48cm^2$

$Soladura = E70$ (Proceso SMAW)

Teniendo en cuenta que se analizando la tensión y/o compresión aplicada de manera normal a la sección efectiva del elemento, tenemos en cuenta la resistencia de diseño de las soldaduras dadas por la tabla J2.5 del LRFD.

$$P_u = \phi f_y A_g$$
$$P_u = (0.90)(4{,}200.00kg/cm^2)(35.48cm^2)$$
$$P_u = 134{,}114.40kg > 57{,}183.50kg. \qquad ok¡$$

b. Verificando la resistencia de diseño por cortante de la soldadura:

Primero fórmula debida a la Base determinada de la tabla J2.5 del LRFD:

$$V_{u1} = \phi(0.60) f_y A_g$$
$$V_{u1} = (0.90)(0.60)(4{,}200.00kg/cm^2)(35.48cm^2)$$
$$V_{u1} = 80{,}468.64kg > 12{,}216.20kg \qquad ok¡$$

Segunda fórmula debida a la soldadura determinada de la tabla J2.5 del LRFD:

$$V_{u2} = \phi(0.60) F_{EXX} A_W$$
$$V_{u2} = (0.80)(0.60)(4{,}921.49kg/cm^2)(35.48cm^2)$$
$$V_{u2} = 83{,}814.94kg > 12{,}216.20kg \qquad ok¡$$

c. Verificando la resistencia de diseño a momento flector:

$$C = T = \frac{M_u}{d}$$
$$C = T = \frac{98{,}750.00kg.cm}{3.55cm}$$
$$C = T = 27{,}816.90kg.$$

Determinamos el área de soldadura requerida:

$$A_{REQ} = \frac{27{,}816.90kg}{0.90 \times 4{,}200kg/cm^2}$$
$$A_{REQ} = 7.36cm^2 < 35.48cm^2 \qquad ok¡$$

PARA UN SECCION TRANSVERSAL DE 2L2.1/2"x2.1/2"x3/16"

Teniendo en cuenta las máximas solicitaciones:

$$T = 16{,}668.50.kg$$
$$C = 13{,}890.70kg$$
$$V = 1{,}439.40kg$$
$$M = 10{,}480.00kg.cm$$

En la tabla 8.5 podemos apreciar las propiedades de geométricas de la sección 2L2.1/2"x2.1/2"x3/16".

a. Verificando la resistencia de diseño por tensión:

Datos:

$\phi = 0.90$

$f_y = 4{,}200kg/cm^2$

$A_g = 11.61cm^2$

$Soladura = E70$ (Proceso SMAW)

Teniendo en cuenta que se analizando la tensión y/o compresión aplicada de manera normal a la sección efectiva del elemento, tenemos en cuenta la resistencia de diseño de las soldaduras dadas por la tabla J2.5 del LRFD.

$$P_u = \phi f_y A_g$$
$$P_u = (0.90)(4{,}200.00kg/cm^2)(11.61cm^2)$$
$$P_u = 43{,}885.80kg > 16{,}668.50kg. \qquad ok¡$$

b. Verificando la resistencia de diseño por cortante de la soldadura:

Primero fórmula debida a la Base determinada de la tabla J2.5 del LRFD:

$$V_{u1} = \phi(0.60) f_y A_g$$
$$V_{u1} = (0.90)(0.60)(4{,}200.00kg/cm^2)(11.61cm^2)$$
$$V_{u1} = 26{,}331.48kg > 1{,}439.40kg \qquad ok¡$$

Segunda fórmula debida a la soldadura determinada de la tabla J2.5 del LRFD:

$$V_{u2} = \phi(0.60) F_{EXX} A_W$$
$$V_{u2} = (0.80)(0.60)(4{,}921.49kg/cm^2)(11.61cm^2)$$
$$V_{u2} = 27{,}426.48kg > 1{,}439.40kg \qquad ok¡$$

c. Verificando la resistencia de diseño a momento flector:

$$C = T = \frac{M_u}{d}$$
$$C = T = \frac{10{,}480.00kg.cm}{3.06cm}$$
$$C = T = 3{,}424.84kg.$$

Determinamos el área de soldadura requerida:

$$A_{REQ} = \frac{3{,}424.84kg}{0.90 \times 4{,}200kg/cm^2}$$
$$A_{REQ} = 0.906cm^2 < 11.61cm^2 \qquad ok¡$$

PARA UN SECCION TRANSVERSAL DE 2L2.1/2"x2.1/2"x5/16"

Teniendo en cuenta las máximas solicitaciones:

$$T = 13{,}876.30.kg$$
$$C = 13{,}890.00kg$$
$$V = 236.90kg$$
$$M = 7{,}630.00kg.cm$$

En la tabla 8.5 podemos apreciar las propiedades de geométricas de la sección 2L2.1/2"x2.1/2"x5/16".

a. Verificando la resistencia de diseño por tensión:

Datos:

$\phi = 0.90$

$f_y = 4{,}200kg/cm^2$

$A_g = 18.90cm^2$

$Soladura = E70$ (Proceso SMAW)

Teniendo en cuenta que se analizando la tensión y/o compresión aplicada de manera normal a la sección efectiva del elemento, tenemos en cuenta la resistencia de diseño de las soldaduras dadas por la tabla J2.5 del LRFD.

$$P_u = \phi f_y A_g$$
$$P_u = (0.90)(4{,}200.00kg/cm^2)(18.90cm^2)$$
$$P_u = 71{,}442.00kg > 13{,}876.30kg. \qquad ok¡$$

b. Verificando la resistencia de diseño por cortante de la soldadura:

Primero fórmula debida a la Base determinada de la tabla J2.5 del LRFD:

$$V_{u1} = \phi(0.60) f_y A_g$$
$$V_{u1} = (0.90)(0.60)(4{,}200.00kg/cm^2)(18.90cm^2)$$
$$V_{u1} = 42{,}865.20kg > 236.90kg \qquad ok¡$$

Segunda fórmula debida a la soldadura determinada de la tabla J2.5 del LRFD:

$$V_{u2} = \phi(0.60) F_{EXX} A_W$$
$$V_{u2} = (0.80)(0.60)(4{,}921.49kg/cm^2)(18.90cm^2)$$
$$V_{u2} = 44{,}647.76kg > 236.90kg \qquad ok¡$$

c. Verificando la resistencia de diseño a momento flector:

$$C = T = \frac{M_u}{d}$$
$$C = T = \frac{7{,}630.00kg.cm}{3.00cm}$$
$$C = T = 2{,}543.33kg.$$

Determinamos el área de soldadura requerida:

$$A_{REQ} = \frac{2{,}543.33kg}{0.90 \times 4{,}200kg/cm^2}$$
$$A_{REQ} = 0.673cm^2 < 18.90cm^2 \qquad ok¡$$

PARA UN SECCION TRANSVERSAL DE 2L2.1/2"x2.1/2"x3/8"

Teniendo en cuenta las máximas solicitaciones:

$$T = 9{,}846.00.kg$$
$$C = 38{,}300.40kg$$
$$V = 3{,}031.10kg$$
$$M = 6{,}980.00kg.cm$$

En la tabla 8.5 podemos apreciar las propiedades de geométricas de la sección 2L2.1/2"x2.1/2"x3/8".

a. Verificando la resistencia de diseño por tensión:

Datos:

$\phi = 0.90$

$f_y = 4{,}200kg/cm^2$

$A_g = 22.39cm^2$

$Soladura = E70$ (Proceso SMAW)

Teniendo en cuenta que se analizando la tensión y/o compresión aplicada de manera normal a la sección efectiva del elemento, tenemos en cuenta la resistencia de diseño de las soldaduras dadas por la tabla J2.5 del LRFD.

$$P_u = \phi f_y A_g$$
$$P_u = (0.90)(4{,}200.00kg/cm^2)(22.39cm^2)$$
$$P_u = 84{,}634.20kg > 38{,}300.40kg. \qquad ok¡$$

b. Verificando la resistencia de diseño por cortante de la soldadura:

Primero fórmula debida a la Base determinada de la tabla J2.5 del LRFD:

$$V_{u1} = \phi(0.60) f_y A_g$$
$$V_{u1} = (0.90)(0.60)(4{,}200.00kg/cm^2)(22.39cm^2)$$
$$V_{u1} = 50{,}780.52kg > 3{,}031.10kg \qquad ok¡$$

Segunda fórmula debida a la soldadura determinada de la tabla J2.5 del LRFD:

$$V_{u2} = \phi(0.60) F_{EXX} A_W$$
$$V_{u2} = (0.80)(0.60)(4{,}921.49kg/cm^2)(22.39cm^2)$$
$$V_{u2} = 52{,}892.24kg > 3{,}031.10kg \qquad ok¡$$

c. Verificando la resistencia de diseño a momento flector:

$$C = T = \frac{M_u}{d}$$
$$C = T = \frac{6{,}980.00kg.cm}{2.973cm}$$
$$C = T = 2{,}347.80kg.$$

Determinamos el área de soldadura requerida:

$$A_{REQ} = \frac{2{,}347.80kg}{0.90 \times 4{,}200kg/cm^2}$$
$$A_{REQ} = 0.621cm^2 < 22.39cm^2 \qquad ok¡$$

PARA UN SECCION TRANSVERSAL DE 2L2"x2"x3/16"

Teniendo en cuenta las máximas solicitaciones:

$$T = 14{,}309.10.kg$$
$$C = 11{,}055.40kg$$
$$V = 100.80kg$$
$$M = 2{,}800.00kg.cm$$

En la tabla 8.7 podemos apreciar las propiedades de geométricas de la sección 2L2"x2"x3/16".

a. Verificando la resistencia de diseño por tensión:

Datos:

$\phi = 0.90$

$f_y = 4{,}200kg/cm^2$

$A_g = 9.23cm^2$

$Soladura = E70$ (Proceso SMAW)

Teniendo en cuenta que se analizando la tensión y/o compresión aplicada de manera normal a la sección efectiva del elemento, tenemos en cuenta la resistencia de diseño de las soldaduras dadas por la tabla J2.5 del LRFD.

$$P_u = \phi f_y A_g$$
$$P_u = (0.90)(4{,}200.00kg/cm^2)(9.23cm^2)$$
$$P_u = 34{,}889.40kg > 14{,}309.10kg. \qquad ok_{\text{¡}}$$

b. Verificando la resistencia de diseño por cortante de la soldadura:

Primero fórmula debida a la Base determinada de la tabla J2.5 del LRFD:

$$V_{u1} = \phi(0.60) f_y A_g$$
$$V_{u1} = (0.90)(0.60)(4{,}200.00kg/cm^2)(9.23cm^2)$$
$$V_{u1} = 20{,}933.64kg > 100.80kg \qquad ok_{\text{¡}}$$

Segunda fórmula debida a la soldadura determinada de la tabla J2.5 del LRFD:

$$V_{u2} = \phi(0.60) F_{EXX} A_W$$
$$V_{u2} = (0.80)(0.60)(4{,}921.49kg/cm^2)(9.23cm^2)$$
$$V_{u2} = 21{,}804.17kg > 100.80kg \qquad ok_{\text{¡}}$$

c. Verificando la resistencia de diseño a momento flector:

$$C = T = \frac{M_u}{d}$$

$$C = T = \frac{2{,}800.00kg.cm}{2.43cm}$$
$$C = T = 1{,}152.26kg.$$

Determinamos el área de soldadura requerida:

$$A_{REQ} = \frac{1{,}152.26kg}{0.90 \times 4{,}200kg/cm^2}$$
$$A_{REQ} = 0.31cm^2 < 9.23cm^2 \qquad ok_{\text{¡}}$$

PARA UN SECCION TRANSVERSAL DE 2L2"x2"x1/8"

Teniendo en cuenta las máximas solicitaciones:

$$T = 6{,}347.40.kg$$
$$C = 8{,}769.60kg$$
$$V = 272.90kg$$
$$M = 9{,}530.00kg.cm$$

En la tabla 8.7 podemos apreciar las propiedades de geométricas de la sección 2L2"x2"x1/8".

a. Verificando la resistencia de diseño por tensión:

Datos:

$\phi = 0.90$

$f_y = 4{,}200kg/cm^2$

$A_g = 6.19cm^2$

$Soladura = E70$ (Proceso SMAW)

Teniendo en cuenta que se analizando la tensión y/o compresión aplicada de manera normal a la sección efectiva del elemento, tenemos en cuenta la resistencia de diseño de las soldaduras dadas por la tabla J2.5 del LRFD.

$$P_u = \phi f_y A_g$$
$$P_u = (0.90)(4{,}200.00kg/cm^2)(6.19cm^2)$$
$$P_u = 23{,}398.20kg > 8{,}769.60kg. \qquad ok¡$$

b. Verificando la resistencia de diseño por cortante de la soldadura:

Primero fórmula debida a la Base determinada de la tabla J2.5 del LRFD:

$$V_{u1} = \phi(0.60) f_y A_g$$
$$V_{u1} = (0.90)(0.60)(4{,}200.00kg/cm^2)(6.19cm^2)$$
$$V_{u1} = 14{,}038.92kg > 272.90kg \qquad ok¡$$

Segunda fórmula debida a la soldadura determinada de la tabla J2.5 del LRFD:

$$V_{u2} = \phi(0.60) F_{EXX} A_W$$
$$V_{u2} = (0.80)(0.60)(4{,}921.49kg/cm^2)(6.19cm^2)$$
$$V_{u2} = 14{,}622.73kg > 272.90kg \qquad ok¡$$

c. Verificando la resistencia de diseño a momento flector:

$$C = T = \frac{M_u}{d}$$

$$C = T = \frac{9{,}530.00kg.cm}{2.47cm}$$
$$C = T = 3{,}858.30kg.$$

Determinamos el área de soldadura requerida:

$$A_{REQ} = \frac{3{,}858.30kg}{0.90 \times 4{,}200kg/cm^2}$$
$$A_{REQ} = 1{,}021cm^2 < 6.19cm^2 \qquad ok¡$$

DISEÑO DE SOLDADURA DE FILETE EN ARCOS METÁLICOS

La soldadura de filete será utilizada en las uniones de los elementos diagonales y montantes con las bridas superiores e inferiores, teniendo que cuenta que las secciones transversales de cada elemento estructural en función a sus cargas máximas aplicables.

SOLDADURA DE FILETE PARA MONTANTES

PARA UN SECCION TRANSVERSAL DE 2L2"x2"x1/8"

De acuerdo a la tabla J2.4 de las especificaciones LRFD tenemos que el espesor de la soldadura de filete a utilizar será de 1/8" (equivalente al espesor del elemento a unir y menor que 1/4").

Para el caso de montantes (Para 1 ángulo):

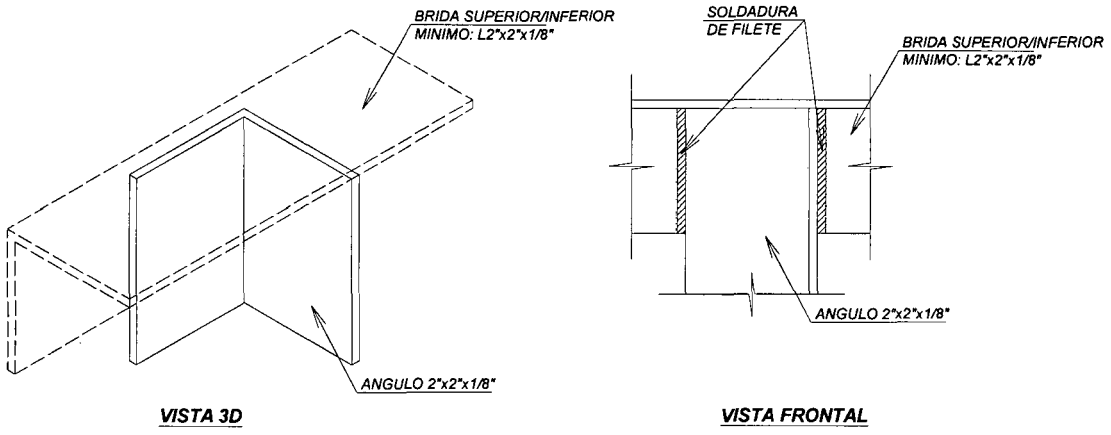


Figura 8.5.: Vistas del tipo de conexión a utilizar en montante de 2L2"x2"x1/8" con brida (1 ángulo)

$$T = 7{,}985.50.kg/2 = 3{,}992.75kg.$$
$$C = 5{,}365.50kg/2 = 2{,}682.75kg.$$
$$V = 294.00kg/2 = 147.00kg.$$
$$M = 10{,}870.00kg.cm/2 = 5{,}435.00kg$$

Diseño para resistencia a la carga axial:

Calculamos el espesor de la garganta efectiva

$$= 0.707 \times 1/8 = 0.088 pu\,\mathrm{lg}. = 0.244cm.$$

Resistencia de diseño por pulgadas de las soldaduras de filete:

$$= \phi F_w = \phi(0.6 \times F_{EXX})(g\,\mathrm{arg}\,anta"t")$$
$$= \phi F_w = 0.75 \times (0.60 \times 4{,}921.49) \times 0.244$$
$$= \phi F_w = 539.39kg/cm$$

Longitud requerida:

$$long.req. = \frac{3{,}992.75kg}{539.39kg/cm} = 7.40cm.$$

Longitud requerida por cada lado:

$$long.req. = \frac{7.40cm}{2} = 3.70cm. = 1.1/2" < 2"(Ancho\ mínimo\ en\ bridas)$$

Como podemos observar, la longitud necesaria de soldadura de filete es menor que el ancho del elemento brida inferior o superior.

Así mismo, según recomendaciones del LRFD:

$$long.mínima\ soldadura = 4 \times espesor\ de\ g\,\mathrm{arg}\,anta$$
$$long.mínima\ soldadura = 4 \times 1/8" = 4 \times 0.3175cm.$$
$$long.mínima\ soldadura = 1.27cm. < 3.70cm.(ok_!)$$

Por lo tanto la longitud calculada de 3.70cm. (1.1/2") es mayor que el mínimo requerido 1.27cm. (1/2")

Diseño a la resistencia al corte y momento flector:

Para el diseño a la resistencia al corte y momento flector de la soldadura de filete, supondremos de acuerdo al marco teórico consultado, un espesor de garganta igual a 1", con fines de simplificar los cálculos:

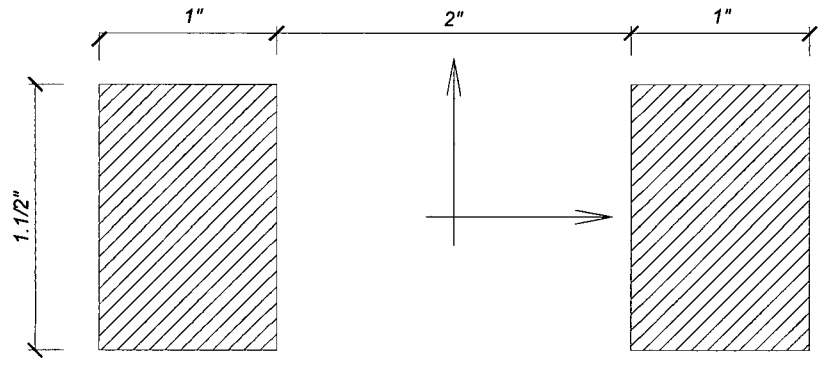


Figura 8.6.: Geometría de la soldadura de filete a utilizar en la sección L2"x2"x1/8" de montante

Convertimos V_U en *klb*:

$$V_U = 147.00kg = 0.324klb.$$

Convertimos M_U en *klb/pulg*:

$$M_U = 5{,}435.00kg.cm = 4.718klb.pu\lg$$

Determinamos el área A :

$$A = 1.1/2"\times 1"\times 2$$
$$A = 3pu\lg^2$$

Determinamos el Valor de la Inercia I_X :

$$I_X = \frac{2\times 1"\times 1.1/2"^3}{12} = 0.5625pu\lg^4$$
$$I_X = 0.5625pu\lg^4$$

Determinamos el Valor de la Inercia I_Y :

$$I_X = 2(1.1/2"\times 1")\times 1"^2 = 3.00pu\lg^4$$
$$I_X = 3.00pu\lg^4$$

Por lo tanto obtenemos el valor de J:

$$J = I_X + I_Y = 3.5625pu\lg^4$$

Calculamos el valor de f_S :

$$f_S = \frac{0.324}{3} = 0.108klb/pu\lg$$

Calculamos el valor de f :

$$f = \frac{4.718\times 1}{3.5625} = 1.325klb/pu\lg$$

Por lo tanto:

$$f_r = \sqrt{(0.108)^2 + (1.325)^2} = 1.330klb/pu\lg^2$$

Por lo tanto el ancho requerido es:

$$= \frac{1.330}{0.707\times 1\times 0.75\times 0.60\times 70} = 0.060pu\lg < 1/8pu\lg$$

Por lo tanto se puede utilizar el espesor de 1/8" en la soldadura de filete con una longitud de 1.1/2".

PARA UN SECCION TRANSVERSAL DE 2L2.1/2"x2.1/2"x1/4"

De acuerdo a la tabla J2.4 de las especificaciones LRFD tenemos que el espesor de la soldadura de filete a utilizar será de 1/8".

Para el caso de montantes (Para 1 ángulo):

$$T = 1{,}213.10kg/2 = 606.35kg.$$
$$C = 1{,}468.10kg/2 = 734.05kg.$$
$$V = 20.80kg/2 = 10.40kg.$$
$$M = 830.00kg.cm/2 = 415.00kg$$

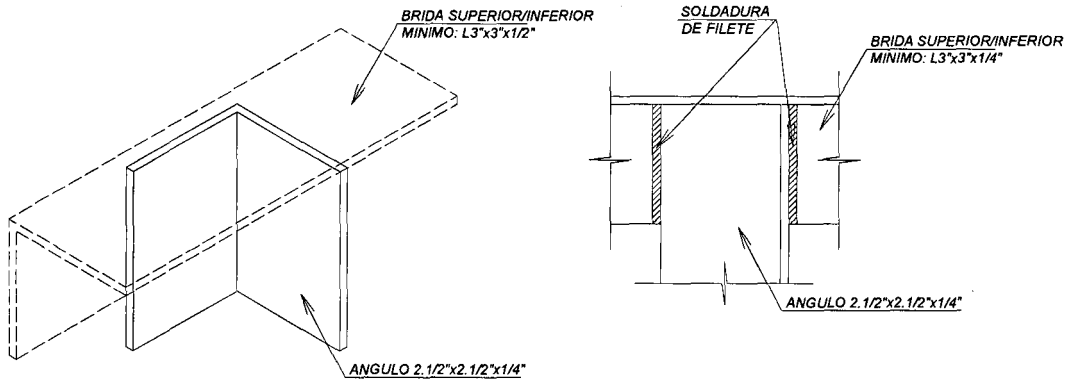


Figura 8.7.: Vistas del tipo de conexión a utilizar en montante de 2L2.1/2"x2.1/2"x1/4" con brida (1 ángulo)

Diseño para resistencia a la carga axial:

Calculamos el espesor de la garganta efectiva

$$= 0.707 \times 1/8 = 0.088 pu\,\mathrm{lg}. = 0.244cm.$$

Resistencia de diseño por pulgadas de las soldaduras de filete:

$$= \phi F_w = \phi(0.6 \times F_{EXX})(g\,\mathrm{arg}\,anta"t")$$
$$= \phi F_w = 0.75 \times (0.60 \times 4{,}921.49) \times 0.244$$
$$= \phi F_w = 539.39kg/cm$$

Longitud requerida:

$$long.req. = \frac{1{,}468.10kg}{539.39kg/cm} = 2.72cm.$$

Longitud requerida por cada lado:

$$long.req. = \frac{2.72cm}{2} = 1.36cm. = 3/4" < 3"(Ancho\ mínimo\ en bridas)$$

Como podemos observar, la longitud necesaria de soldadura de filete es menor que el ancho del elemento brida inferior o superior.

Así mismo, según recomendaciones del LRFD:

$$long.mínima\ soldadura = 4 \times espesor\ de\ g\,\mathrm{arg}\,anta$$
$$long.mínima\ soldadura = 4 \times 1/8" = 4 \times 0.3175cm.$$
$$long.mínima\ soldadura = 1.27cm. < 1.36cm.(ok!)$$

Por lo tanto la longitud calculada de 1.36cm. (3/4") es mayor que el mínimo requerido 1.27cm. (1/2")

Diseño a la resistencia al corte y momento flector:

Para el diseño a la resistencia al corte y momento flector de la soldadura de filete, supondremos de acuerdo al marco teórico consultado, un espesor de garganta igual a 1", con fines de simplificar los cálculos:

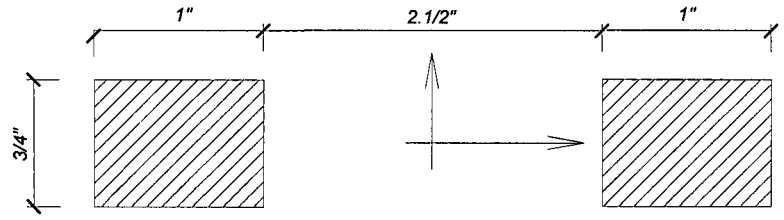


Figura 8.8.: Geometría de la soldadura de filete a utilizar en la sección L2.1/2"x2.1/2"x1/4" de montante

Convertimos V_U en *klb*:

$$V_U = 10.40kg = 0.023klb.$$

Convertimos M_U en *klb/pulg*:

$$M_U = 415.00kg.cm = 0.360klb.pu\lg$$

Determinamos el área A :

$$A = 3/4"\times 1"\times 2$$
$$A = 1.1/2pu\lg^2$$

Determinamos el Valor de la Inercia I_X :

$$I_X = \frac{2\times 1"\times 3/4"^3}{12} = 0.070pu\lg^4$$
$$I_X = 0.070pu\lg^4$$

Determinamos el Valor de la Inercia I_Y :

$$I_X = 2(3/4"\times 1")\times 1.1/4"^2 = 2.344pu\lg^4$$
$$I_X = 2.344pu\lg^4$$

Por lo tanto obtenemos el valor de J:

$$J = I_X + I_Y = 2.414pu\lg^4$$

Calculamos el valor de f_S :

$$f_S = \frac{0.023}{1.50} = 0.015klb/pu\lg$$

Calculamos el valor de f :

$$f = \frac{0.360\times 1.1/4}{2.414} = 0.0373klb/pu\lg$$

Por lo tanto:

$$f_r = \sqrt{(0.015)^2 + (0.0373)^2} = 0.040klb/pu\lg$$

Por lo tanto el ancho requerido es:

$$= \frac{0.040}{0.707\times 1\times 0.75\times 0.60\times 70} = 0.002pu\lg < 1/8pu\lg$$

Por lo tanto se puede utilizar el espesor de 1/8" en la soldadura de filete con una longitud de 3/4".

PARA UN SECCION TRANSVERSAL DE 2L3"x3"x1/4"

De acuerdo a la tabla J2.4 de las especificaciones LRFD tenemos que el espesor de la soldadura de filete a utilizar será de 1/8".

Para el caso de montantes (Para 1 ángulo):

$$T = 5{,}148.70.kg/2 = 2{,}574.35kg.$$
$$C = 23{,}617.60kg/2 = 11{,}808.80kg.$$
$$V = 942.30kg/2 = 471.15kg.$$

$$M = 23{,}540.00kg.cm/2 = 11{,}770.00kg$$

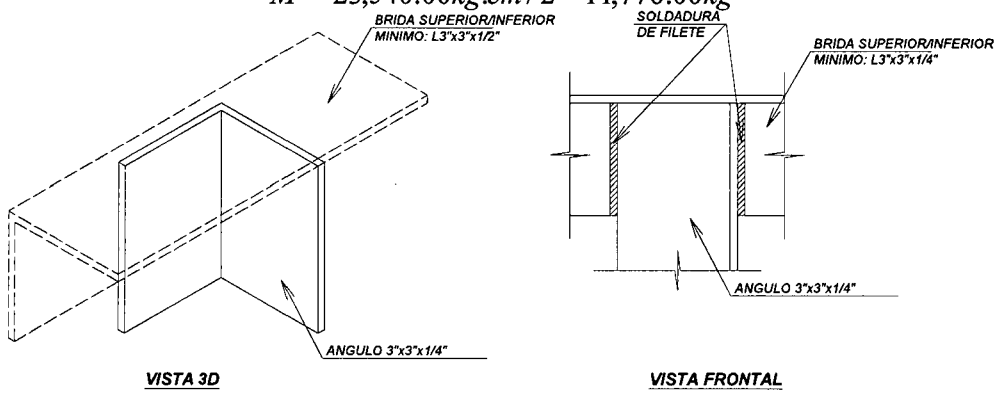


Figura 8.9.: Vistas del tipo de conexión a utilizar en montante de 2L3"x3"x1/4" con brida (1 ángulo)

Diseño para resistencia a la carga axial:

Calculamos el espesor de la garganta efectiva

$$= 0.707 \times 1/8 = 0.088\,pu\,\text{lg.} = 0.244cm.$$

Resistencia de diseño por pulgadas de las soldaduras de filete:

$$= \phi F_w = \phi(0.6 \times F_{EXX})(g\,\text{arg}\,anta"t")$$

$$= \phi F_w = 0.75 \times (0.60 \times 4{,}921.49) \times 0.244$$

$$= \phi F_w = 539.39kg/cm$$

Longitud requerida:

$$long.req. = \frac{11{,}808.80kg}{539.39kg/cm} = 21.89cm.$$

Longitud requerida por cada lado:

$$long.req. = \frac{21.89cm}{2} = 10.95cm. = 4.3/8" > 3"(Ancho\ mínimo\ en\ bridas)$$

Como podemos observar, la longitud necesaria de soldadura de filete es mayor que el ancho del elemento brida inferior o superior.

Para aminorar este efecto y aumentar la capacidad de la soldadura de filete generaremos soldadura de filete en el extremo del elemento estructural (montante), tal como se muestra en la figura 4.81.

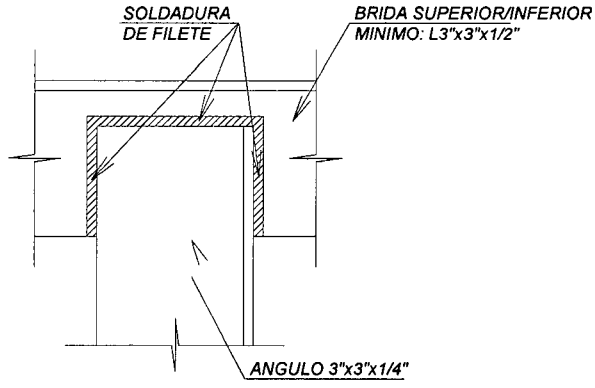


Figura 8.10.: Esquema de la nueva geometría de la soldadura de filete a utilizar en la sección L3"x3"x1/4" de montante

Determinamos la carga soportada por la soldadura en el extremo:

$$= \phi F_w = \phi(0.6 \times F_{EXX})(g\,\text{arg}\,anta"t")(1 + 0.50sen^{1.5}\theta) \times l$$

$$= \phi F_w = 0.75(0.6 \times 4{,}921.49kg/cm^2)(0.244cm.)(1 + 0.50sen^{1.5}90) \times 7.50cm.$$

$$= \phi F_w = 6{,}079.27$$

Por lo tanto la carga tomada por las soldaduras laterales será:

$$= 11{,}808.80kg - 6{,}079.27kg = 5{,}729.53kg$$

Determinamos la resistencia de la soldadura lateral por centímetro de soldadura:

$$= \phi F_w = \phi(0.6 \times F_{EXX})(g\arg anta"t")$$
$$= \phi F_w = 0.75(0.60 \times 4{,}921.49)(0.244)$$
$$= \phi F_w = 539.39kg/cm$$

Longitud requerida:

$$long.req. = \frac{5{,}729.53kg}{539.39kg/cm} = 10.62cm.$$

Longitud requerida por cada lado:

$$long.req. = \frac{10.62cm}{2} = 5.31cm. = 2.1/8" < 3"(Ancho\ mínimo\ en\ bridas)$$

Como podemos observar, la longitud necesaria de soldadura de filete es menor que el ancho del elemento brida inferior o superior

Así mismo, según recomendaciones del LRFD:

$$long.mínima\ soldadura = 4 \times espesor\ de\ g\arg anta$$
$$long.mínima\ soldadura = 4 \times 1/8" = 4 \times 0.3175cm.$$
$$long.mínima\ soldadura = 1.27cm. < 5.31cm.(ok¡)$$

Por lo tanto la longitud calculada de 5.31cm. (2.1/8") es mayor que el mínimo requerido 1.27cm. (1/2")

Diseño a la resistencia al corte y momento flector:

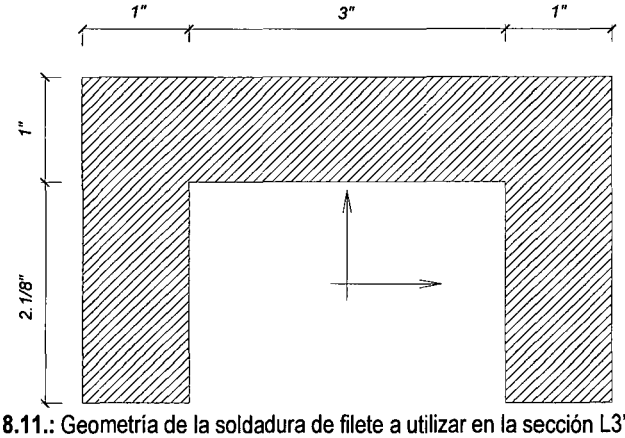


Figura 8.11.: Geometría de la soldadura de filete a utilizar en la sección L3"x3"x1/4" de montante

Para el diseño a la resistencia al corte y momento flector de la soldadura de filete, supondremos de acuerdo al marco teórico consultado, un espesor de garganta igual a 1", con fines de simplificar los cálculos:
Convertimos V_U en *klb*:

$$V_U = 471.15kg = 1.039klb.$$

Convertimos M_U en *klb/pulg*:

$$M_U = 11{,}770.00kg.cm = 10.215klb.pu\lg$$

Determinamos el área A :

$$A = 2.1/8" \times 1" \times 2 + 5" \times 1$$
$$A = 9.25pu\lg^2$$

Determinamos el Valor de la Inercia I_X :

$$I_X = \frac{2\times 1''\times 2.1/8''^3}{12} + (5''\times 1'')\times 1.1/16''^2 = 7.244\,pu\lg^4$$

$$I_X = 7.244\,pu\lg^4$$

Determinamos el Valor de la Inercia I_Y :

$$I_Y = \frac{1''\times 5''^3}{12} + 2\times(2.1/8''\times 1'')\times 1.1/2''^2 = 19.979\,pu\lg^4$$

$$I_Y = 19.979\,pu\lg^4$$

Por lo tanto obtenemos el valor de J :

$$J = I_X + I_Y = 27.223\,pu\lg^4$$

Calculamos el valor de f_S :

$$f_S = \frac{1.039}{9.25} = 0.112\,klb/pu\lg$$

Calculamos el valor de f :

$$f = \frac{10.215\times 1.0625}{27.223} = 0.398\,klb/pu\lg$$

Por lo tanto:

$$f_r = \sqrt{(0.112)^2 + (0.398)^2} = 0.413\,klb/pu\lg^2$$

Por lo tanto el ancho requerido es:

$$= \frac{0.413}{0.707\times 1\times 0.75\times 0.60\times 70} = 0.019\,pu\lg < 1/8\,pu\lg$$

Por lo tanto se puede utilizar el espesor de 1/8" en la soldadura de filete.

SOLDADURA DE FILETE PARA DIAGONALES

PARA UN SECCION TRANSVERSAL DE 2L2"x2"x1/8"

De acuerdo a la tabla J2.4 de las especificaciones LRFD tenemos que el espesor de la soldadura de filete a utilizar será de 1/8".

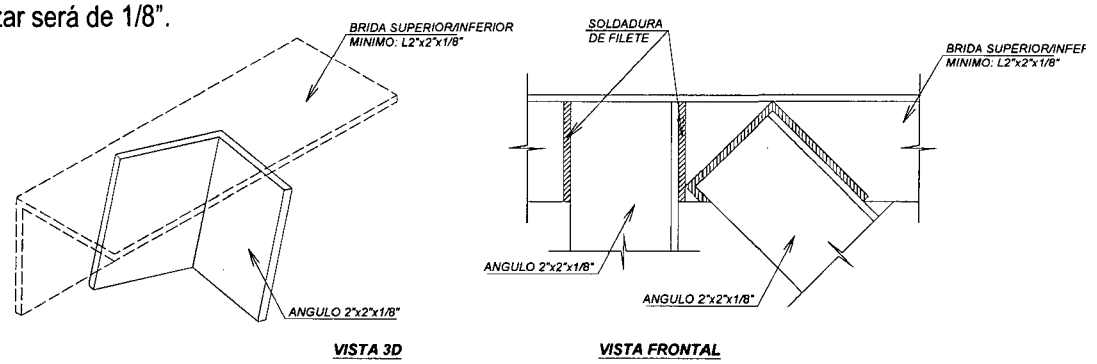


Figura 8.12.: Esquema de la geometría de la soldadura de filete a utilizar en la sección L2"x2"x1/8" de diagonal

Debemos tener en cuenta las cargas solicitadas en los elementos estructurales diagonales:

$$T = 4{,}111.40kg/2 = 2{,}055.70kg.$$

$$C = 5{,}365.50kg/2 = 2{,}682.75kg.$$

$$V = 114.60kg/2 = 57.30kg.$$

$$M = 7{,}260.00kg.cm/2 = 3{,}630.00kg.cm$$

Diseño para resistencia a la carga axial:

Calculamos el espesor de la garganta efectiva

$$= 0.707 \times 1/8 = 0.088 pu\lg. = 0.244 cm.$$

Determinamos la carga soportada por la soldadura en el extremo:

$$= \phi F_w = \phi(0.6 \times F_{EXX})(g\arg anta" t")(1 + 0.50 sen^{1.5}\theta) \times l$$

$$= \phi F_w = 0.75(0.6 \times 4{,}921.49 kg/cm^2)(0.244 cm.)(1 + 0.50 sen^{1.5} 90) \times 5.00 cm.$$

$$= \phi F_w = 4{,}052.85 kg.$$

Observamos en este caso que la carga resistente ultima de la sección de diagonal de 2L2"x2"x1/8" es mayor que la actuante:

$$\phi F_w = 4{,}052.85 kg. > 2{,}682.75 kg. \ (Compresiòn)$$

Diseño a la resistencia al corte y momento flector:

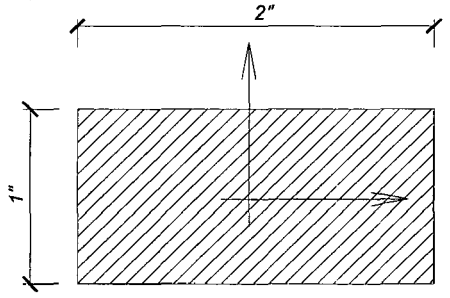


Figura 4.13.: Geometría de la soldadura de filete a utilizar en la sección L2"x2"x1/8" de diagonal

Para el diseño a la resistencia al corte y momento flector de la soldadura de filete, supondremos de acuerdo al marco teórico consultado, un espesor de garganta igual a 1", con fines de simplificar los cálculos:

Convertimos V_U en *klb*:

$$V_U = 57.30 kg = 0.126 klb.$$

Convertimos M_U en *klb/pulg*:

$$M_U = 3{,}630.00 kg.cm = 3.151 klb.pu\lg$$

Determinamos el área A :

$$A = 2" \times 1"$$

$$A = 2.00 pu\lg^2$$

Determinamos el Valor de la Inercia I_X :

$$I_X = \frac{2 \times 1"^3}{12} = 0.167 pu\lg^4$$

$$I_X = 0.167 pu\lg^4$$

Determinamos el Valor de la Inercia I_Y :

$$I_Y = \frac{1" \times 2"^3}{12} = 0.667 pu\lg^4$$

$$I_Y = 0.667 pu\lg^4$$

Por lo tanto obtenemos el valor de J:

$$J = I_X + I_Y = 0.833 pu\lg^4$$

Calculamos el valor de f_S :

$$f_S = \frac{0.126}{2.00} = 0.063 klb/pu\lg$$

Calculamos el valor de f :

$$f = \frac{3.151 \times 0.50}{0.833} = 1.891 klb/pu\lg$$

Por lo tanto:

$$f_r = \sqrt{(0.063)^2 + (1.891)^2} = 1.892 klb/pu\lg$$

Por lo tanto el ancho requerido es:

$$= \frac{1.892}{0.707 \times 1 \times 0.75 \times 0.60 \times 70} = 0.085 pu\lg < 1/8 pu\lg$$

Por lo tanto se puede utilizar el espesor de 1/8" en la soldadura de filete con una longitud de 2".

PARA UN SECCION TRANSVERSAL DE 2L2"x2"x3/16"

De acuerdo a la tabla J2.4 de las especificaciones LRFD tenemos que el espesor de la soldadura de filete a utilizar será de 1/8".

Debemos tener en cuenta las cargas solicitadas en los elementos estructurales diagonales:

$$T = 2{,}799.00kg/2 = 1{,}399.50kg.$$
$$C = 9{,}795.70kg/2 = 4{,}897.85kg.$$
$$V = 76.90kg/2 = 38.45kg.$$
$$M = 3{,}980.00kg.cm/2 = 1{,}990.00kg.cm$$

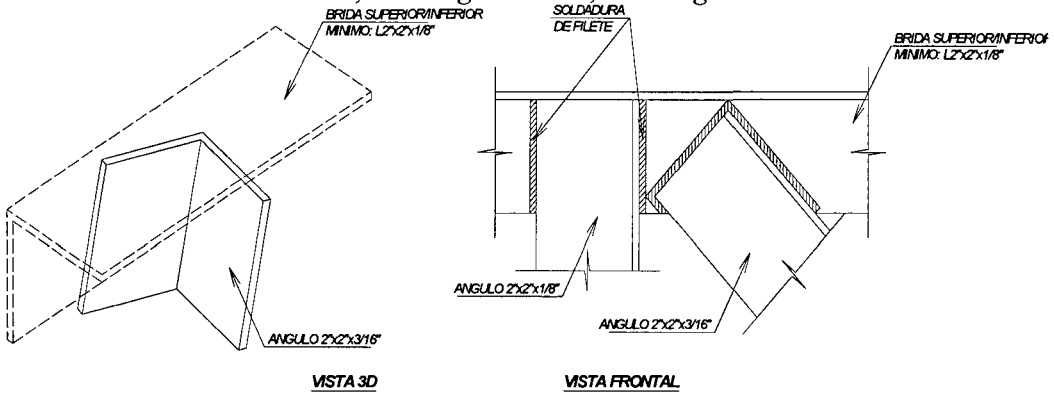


Figura 8.14.: Geometría de la soldadura de filete a utilizar en la sección L2"x2"x3/16" de diagonal

Diseño para resistencia a la carga axial:

Calculamos el espesor de la garganta efectiva

$$= 0.707 \times 1/8 = 0.088 pu\lg. = 0.244 cm.$$

Determinamos la carga soportada por la soldadura en el extremo:

$$= \phi F_w = \phi(0.6 \times F_{EXX})(g\arg anta"t")(1 + 0.50 sen^{1.5}\theta) \times l$$
$$= \phi F_w = 0.75(0.6 \times 4{,}921.49kg/cm^2)(0.244cm.)(1 + 0.50 sen^{1.5}90) \times 5.00cm.$$
$$= \phi F_w = 4{,}052.85kg.$$

Por lo tanto la carga tomada por las soldaduras laterales será:

$$= 4{,}897.85kg - 4{,}052.85kg = 845.00kg$$

Determinamos la resistencia de la soldadura lateral por centímetro de soldadura:

$$= \phi F_w = \phi(0.6 \times F_{EXX})(g\arg anta"t")$$
$$= \phi F_w = 0.75(0.60 \times 4{,}921.49)(0.244)$$

$$= \phi F_w = 539.39 kg/cm$$

Longitud requerida:

$$long.req. = \frac{845.00 kg}{539.39 kg/cm} = 1.56 cm.$$

Por lo que queda determinado que la longitud de la soldadura lateral será de 1.56cm. (3/4"):

Diseño a la resistencia al corte y momento flector:

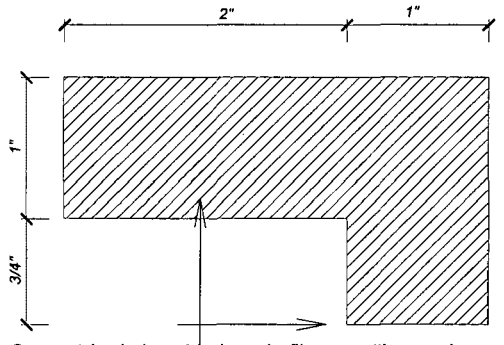


Figura 8.15.: Geometría de la soldadura de filete a utilizar en la sección L2"x2"x3/16" de diagonal

Para el diseño a la resistencia al corte y momento flector de la soldadura de filete, supondremos de acuerdo al marco teórico consultado, un espesor de garganta igual a 1", con fines de simplificar los cálculos:

Convertimos V_U en *klb*:

$$V_U = 38.45 kg = 0.085 klb.$$

Convertimos M_U en *klb/pulg*:

$$M_U = 1{,}990.00 kg.cm = 1.727 klb.pu\lg$$

Determinamos el área A :

$$A = 3"\times 1" + 3/4"\times 1"$$
$$A = 3.3/4 pu\lg^2$$

Determinamos el Valor de la Inercia I_X :

$$I_X = (3"\times 1")\times 3/4"^2 + \frac{1"\times 3/4"^3}{3} = 1.828 pu\lg^4$$
$$I_X = 1.828 pu\lg^4$$

Determinamos el Valor de la Inercia I_Y :

$$I_Y = \frac{1"\times 3"^3}{3} + \frac{3/4"\times 1"^3}{3} = 9.25 pu\lg^4$$
$$I_Y = 9.25 pu\lg^4$$

Por lo tanto obtenemos el valor de J:

$$J = I_X + I_Y = 11.078 pu\lg^4$$

Calculamos el valor de f_S :

$$f_S = \frac{0.085}{3.75} = 0.023 klb/pu\lg$$

Determinamos el valor de eje y:

$$y = \frac{2"\times 1"\times 1.1/4" + 1"\times 1.3/4"\times 0.875"}{3.75} = 1.075 klb/pu\lg$$

Calculamos el valor de f :

$$f = \frac{1.727 \times 1.075}{11.078} = 0.168 klb/pu\lg$$

Por lo tanto:

$$f_r = \sqrt{(0.023)^2 + (0.168)^2} = 0.170 klb/pu\lg$$

Por lo tanto el ancho requerido es:

$$= \frac{0.170}{0.707 \times 1 \times 0.75 \times 0.60 \times 70} = 0.008 pu\lg < 1/8 pu\lg$$

Por lo tanto se puede utilizar el espesor de 1/8" en la soldadura de filete con una longitud de 2".

PARA UN SECCION TRANSVERSAL DE 2L2.1/2"x2.1/2"x3/16"

De acuerdo a la tabla J2.4 de las especificaciones LRFD tenemos que el espesor de la soldadura de filete a utilizar será de 1/8".

Debemos tener en cuenta las cargas solicitadas en los elementos estructurales diagonales:

$$T = 12{,}426.70kg/2 = 6{,}213.35kg.$$
$$C = 2{,}720.90kg/2 = 1{,}360.45kg.$$
$$V = 113.40kg/2 = 56.70kg.$$
$$M = 6{,}600.00kg.cm/2 = 3{,}300.00kg.cm$$

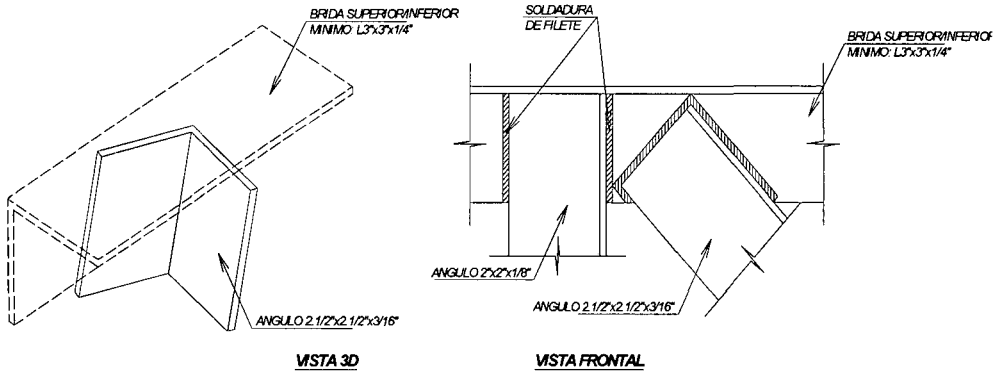


Figura 8.16.: Geometría de la soldadura de filete a utilizar en la sección L2.1/2"x2.1/2"x3/16" de diagonal

Diseño para resistencia a la carga axial:

Calculamos el espesor de la garganta efectiva

$$= 0.707 \times 1/8 = 0.088 pu\lg. = 0.244 cm.$$

Determinamos la carga soportada por la soldadura en el extremo:

$$= \phi F_w = \phi(0.6 \times F_{EXX})(g\arg anta"t")(1 + 0.50 sen^{1.5}\theta) \times l$$
$$= \phi F_w = 0.75(0.6 \times 4{,}921.49kg/cm^2)(0.244cm.)(1 + 0.50 sen^{1.5}90) \times 7.50cm.$$
$$= \phi F_w = 6{,}079.27kg.$$

Por lo tanto la carga tomada por las soldaduras laterales será:

$$= 6{,}213.35kg - 6{,}079.27kg = 134.08kg$$

Determinamos la resistencia de la soldadura lateral por centímetro de soldadura:

$$= \phi F_w = \phi(0.6 \times F_{EXX})(g\arg anta"t")$$
$$= \phi F_w = 0.75(0.60 \times 4{,}921.49)(0.244)$$

$$= \phi F_w = 539.39 kg/cm$$

Longitud requerida:

$$long.req. = \frac{134.08 kg}{539.39 kg/cm} = 0.24 cm.$$

Por lo que queda determinado que la longitud de la soldadura lateral será de 0.24cm. (1/4"):

Diseño a la resistencia al corte y momento flector:

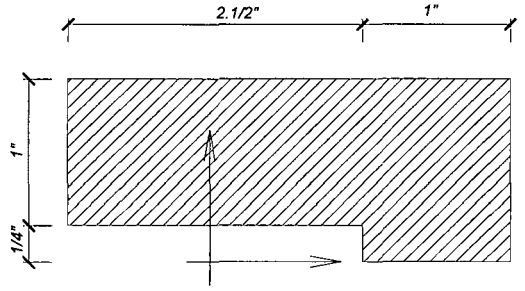


Figura 8.17.: Geometría de la soldadura de filete a utilizar en la sección L2"x2"x3/16" de diagonal

Para el diseño a la resistencia al corte y momento flector de la soldadura de filete, supondremos de acuerdo al marco teórico consultado, un espesor de garganta igual a 1", con fines de simplificar los cálculos:

Convertimos V_U en *klb*:

$$V_U = 56.70 kg = 0.125 klb.$$

Convertimos M_U en *klb/pulg*:

$$M_U = 3{,}300.00 kg.cm = 2.864 klb.pu\lg$$

Determinamos el área A :

$$A = 3.5" \times 1" + 1/4" \times 1"$$
$$A = 3.3/4 pu\lg^2$$

Determinamos el Valor de la Inercia I_X :

$$I_X = (3.5" \times 1") \times 1/4"^2 + \frac{1" \times 1/4"^3}{3} = 0.224 pu\lg^4$$
$$I_X = 0.224 pu\lg^4$$

Determinamos el Valor de la Inercia I_Y :

$$I_Y = \frac{1" \times 3.5"^3}{3} + \frac{1/4" \times 1"^3}{3} = 14.375 pu\lg^4$$
$$I_Y = 14.375 pu\lg^4$$

Por lo tanto obtenemos el valor de J:

$$J = I_X + I_Y = 14.599 pu\lg^4$$

Calculamos el valor de f_S :

$$f_S = \frac{0.125}{3.75} = 0.033 klb/pu\lg$$

Determinamos el valor de eje y:

$$y = \frac{2.5" \times 1" \times 3/4" + 1" \times 1.1/4" \times 0.625"}{3.75} = 0.708 klb/pu\lg$$

Calculamos el valor de f:

$$f = \frac{2.864 \times 0.708}{14.599} = 0.139 klb/pu\lg$$

Por lo tanto:

$$f_r = \sqrt{(0.033)^2 + (0.139)^2} = 0.143 klb/pu\lg$$

Por lo tanto el ancho requerido es:

$$= \frac{0.143}{0.707 \times 1 \times 0.75 \times 0.60 \times 70} = 0.007 pu\lg < 1/8 pu\lg$$

Por lo tanto se puede utilizar el espesor de 1/8" en la soldadura de filete.

PARA UN SECCION TRANSVERSAL DE 2L2.1/2"x2.1/2"x1/4"

En este caso y de acuerdo a la tabla J2.4 de las especificaciones LRFD tenemos que el espesor de la soldadura de filete a utilizar será de 1/4" (igual al espesor del elemento a unir).

Debemos tener en cuenta las cargas solicitadas en los elementos estructurales diagonales:

$$T = 2{,}119.70 kg/2 = 1{,}059.85 kg.$$
$$C = 5{,}319.60 kg/2 = 2{,}659.80 kg.$$
$$V = 1{,}564.10 kg/2 = 782.05 kg.$$
$$M = 45{,}100.00 kg.cm/2 = 22{,}550.00 kg.cm$$

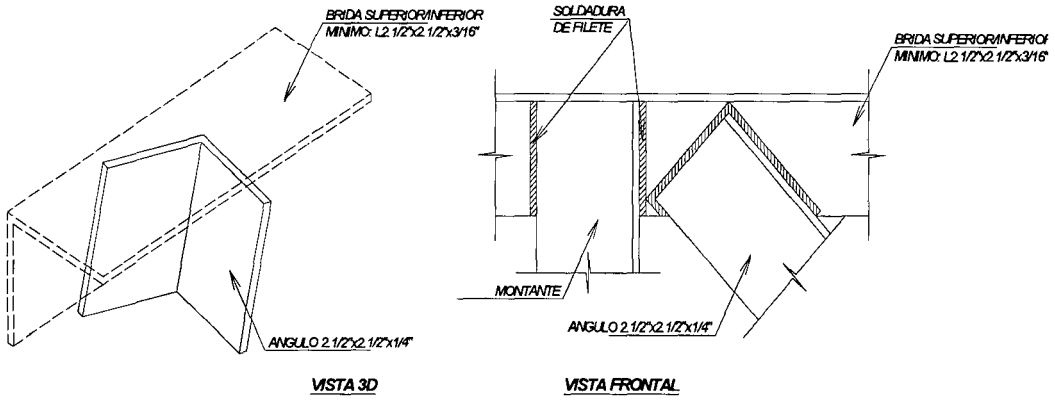


Figura 8.18.: Geometría de la soldadura de filete a utilizar en la sección L2.1/2"x2.1/2"x1/4" de diagonal

Diseño para resistencia a la carga axial:

Calculamos el espesor de la garganta efectiva

$$= 0.707 \times 1/4 = 0.177 pu\lg. = 0.449 cm.$$

Determinamos la carga soportada por la soldadura en el extremo:

$$= \phi F_w = \phi(0.6 \times F_{EXX})(g\arg anta"t")(1 + 0.50 sen^{1.5}\theta) \times l$$
$$= \phi F_w = 0.75(0.6 \times 4{,}921.49 kg/cm^2)(0.449 cm.)(1 + 0.50 sen^{1.5} 90) \times 7.50 cm.$$
$$= \phi F_w = 11{,}186.85 kg.$$

Se verifica que la resistencia nominal de la soldadura es mayor que la fuerza axial actuante en el elemento estructural diagonal

Diseño a la resistencia al corte y momento flector:

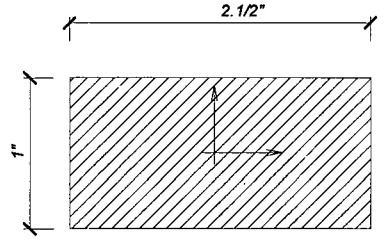


Figura 8.19.: Geometría de la soldadura de filete a utilizar en la sección L2"x2"x1/4" de diagonal

Para el diseño a la resistencia al corte y momento flector de la soldadura de filete, supondremos de acuerdo al marco teórico consultado, un espesor de garganta igual a 1", con fines de simplificar los cálculos:

Convertimos V_U en *klb*:

$$V_U = 782.05kg = 1.724klb.$$

Convertimos M_U en *klb/pulg*:

$$M_U = 22{,}550.00kg.cm = 19.57klb.pu\lg$$

Determinamos el área A :

$$A = 2.5"\times 1"$$
$$A = 2.5pu\lg^2$$

Determinamos el Valor de la Inercia I_X :

$$I_X = \frac{2.5"\times 1"^3}{12} = 0.208pu\lg^4$$
$$I_X = 0.208pu\lg^4$$

Determinamos el Valor de la Inercia I_Y :

$$I_Y = \frac{1"\times 2.5"^3}{12} = 1.302pu\lg^4$$
$$I_Y = 1.302pu\lg^4$$

Por lo tanto obtenemos el valor de J:

$$J = I_X + I_Y = 1.51pu\lg^4$$

Calculamos el valor de f_S :

$$f_S = \frac{1.724}{2.50} = 0.690klb/pu\lg$$

Calculamos el valor de f :

$$f = \frac{19.57\times 0.50}{1.51} = 6.480klb/pu\lg$$

Por lo tanto:

$$f_r = \sqrt{(0.690)^2 + (6.480)^2} = 6.52klb/pu\lg$$

Por lo tanto el ancho requerido es:

$$= \frac{6.52}{0.707\times 1\times 0.75\times 0.60\times 70} = 0.292pu\lg > 1/4pu\lg$$

En este caso, el espesor calculado de la soldadura de filete es mayor al espesor del ángulo que se piensa soldar. Según el LRFD no es recomendable excederse del espesor del elemento a unir, por lo que para esta situación generaremos soldadura lateral en una longitud de 1" (4 veces el espesor de la soldadura = 4 x 1/4" = 1")

Entonces la nueva geometría de la soldadura de filete en la sección de L2"x2"x1/4" se muestra en la figura 8.20:

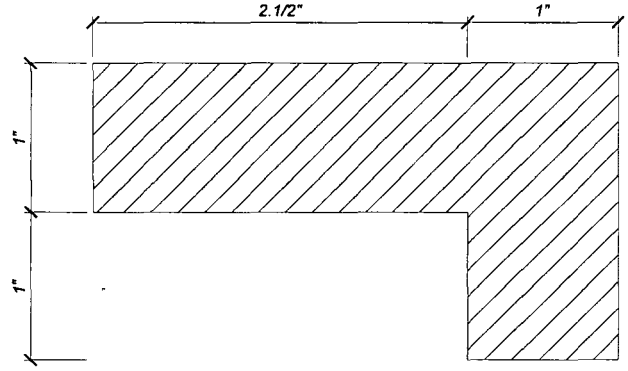


Figura 8.20.: Nueva geometría de la soldadura de filete a utilizar en la sección L2"x2"x1/4" de diagonal

Determinamos el área A :

$$A = 2.5"\times 1"+2"\times 1"$$
$$A = 4.5 pu\lg^2$$

Determinamos el Valor de la Inercia I_X :

$$I_X = (2.5"\times 1")\times 1"^2 + \frac{1"\times 2"^3}{3} = 5.167 pu\lg^4$$
$$I_X = 5.167 pu\lg^4$$

Determinamos el Valor de la Inercia I_Y :

$$I_Y = \frac{1"\times 1"^3}{3} + \frac{1"\times 3.5"^3}{3} = 14.625 pu\lg^4$$
$$I_Y = 14.625 pu\lg^4$$

Por lo tanto obtenemos el valor de J:

$$J = I_X + I_Y = 19.792 pu\lg^4$$

Calculamos el valor de f_S :

$$f_S = \frac{1.724}{4.50} = 0.383 klb/pu\lg$$

Determinamos el valor de eje y:

$$y = \frac{2.5"\times 1"\times 1.5"+1"\times 2"\times 1"}{4.50} = 1.278 klb/pu\lg$$

Calculamos el valor de f :

$$f = \frac{19.57\times 1.278}{19.792} = 1.264 klb/pu\lg$$

Por lo tanto:

$$f_r = \sqrt{(0.383)^2 + (1.264)^2} = 1.321 klb/pu\lg$$

Por lo tanto el ancho requerido es:

$$= \frac{1.321}{0.707\times 1\times 0.75\times 0.60\times 70} = 0.060 pu\lg < 1/4 pu\lg$$

Por lo tanto se puede utilizar el espesor de 1/4" en la soldadura de filete.

PARA UN SECCION TRANSVERSAL DE 2L3"x3"x3/8"

De acuerdo a la tabla J2.4 de las especificaciones LRFD tenemos que el espesor de la soldadura de filete a utilizar mínimo es de 3/16". Para nuestro caso utilizaremos soldadura de 1/4" de espesor.

Debemos tener en cuenta las cargas solicitadas en los elementos estructurales diagonales:

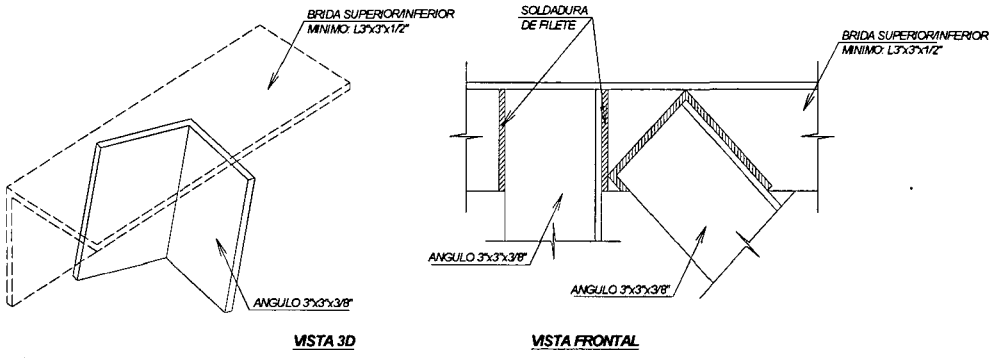


Figura 8.21.: Geometría de la soldadura de filete a utilizar en la sección L3"x3"x3/8" de diagonal

$$T = 19{,}112.00kg/2 = 9{,}556.00kg.$$
$$C = 20{,}413.70kg/2 = 10{,}206.85kg.$$
$$V = 834.60kg/2 = 417.30kg.$$
$$M = 59{,}300.00kg.cm/2 = 29{,}650.00kg.cm$$

Diseño para resistencia a la carga axial:

Calculamos el espesor de la garganta efectiva

$$= 0.707 \times 1/4 = 0.177 pu\,\text{lg}. = 0.449cm.$$

Determinamos la carga soportada por la soldadura en el extremo:

$$= \phi F_w = \phi(0.6 \times F_{EXX})(g\,\text{arg}\,anta"t")(1 + 0.50sen^{1.5}\theta) \times l$$
$$= \phi F_w = 0.75(0.6 \times 4{,}921.49kg/cm^2)(0.449cm.)(1 + 0.50sen^{1.5}90) \times 7.50cm.$$
$$= \phi F_w = 11{,}186.85kg.$$

Por lo tanto se deduce que no necesario soldadura lateral de filete para soportar las cargas axiales actuantes.

$$\phi F_W = 11{,}186.85kg > 10{,}206.85kg$$

Diseño a la resistencia al corte y momento flector:

Figura 8.22.: Geometría de la soldadura de filete a utilizar en la sección L3"x3"x3/8" de diagonal

Para el diseño a la resistencia al corte y momento flector de la soldadura de filete, supondremos de acuerdo al marco teórico consultado, un espesor de garganta igual a 1", con fines de simplificar los cálculos:

Convertimos V_U en *klb*:

$$V_U = 417.30kg = 0.920klb.$$

Convertimos M_U en *klb/pulg*:

$$M_U = 29{,}650.00kg.cm = 25.734klb.pu\lg$$

Determinamos el área A :

$$A = 3" \times 1"$$
$$A = 3pu\lg^2$$

Determinamos el Valor de la Inercia I_X :

$$I_X = \frac{3" \times 1"^3}{12} = 0.25pu\lg^4$$
$$I_X = 0.25pu\lg^4$$

Determinamos el Valor de la Inercia I_Y :

$$I_Y = \frac{1" \times 3"^3}{12} = 2.25pu\lg^4$$
$$I_Y = 2.25pu\lg^4$$

Por lo tanto obtenemos el valor de J:

$$J = I_X + I_Y = 2.50pu\lg^4$$

Calculamos el valor de f_S :

$$f_S = \frac{0.9220}{3.00} = 0.307klb/pu\lg$$

Calculamos el valor de f :

$$f = \frac{25.734 \times 0.50}{2.50} = 5.147klb/pu\lg$$

Por lo tanto:

$$f_r = \sqrt{(0.307)^2 + (5.147)^2} = 5.156klb/pu\lg$$

Por lo tanto el ancho requerido es:

$$= \frac{5.156}{0.707 \times 1 \times 0.75 \times 0.60 \times 70} = 0.232pu\lg < 1/4pu\lg$$

Por lo tanto se puede utilizar el espesor de 1/4" en la soldadura de filete.