

Tabla 61. Chequeo de la resistencia de las secciones de los pedestales de 60 x 60. Edificio 2. Bloque de Hospitalizados 2. Combinación CPCTCSX.

PEDESTAL	M*	N*	b (cm)	h (cm)	R'b* (KN/cm ²)	η_i	m_i
31	767.64	-2528.85	60.00	52.73	1.50	0.53	0.31
41	767.64	-2324.46	60.00	52.73	1.50	0.49	0.31
56	672.19	-1324.91	60.00	52.73	1.50	0.28	0.27
66	672.19	-2665.64	60.00	52.73	1.50	0.56	0.27
81	581.22	-1416.10	60.00	52.73	1.50	0.30	0.23
91	581.22	-1628.63	60.00	52.73	1.50	0.34	0.23
106	496.55	-1634.67	60.00	52.73	1.50	0.34	0.20
116	496.55	-2307.47	60.00	52.73	1.50	0.49	0.20
131	420.79	-1438.12	60.00	52.73	1.50	0.30	0.17
141	420.79	-1202.09	60.00	52.73	1.50	0.25	0.17
156	358.33	-2542.42	60.00	52.73	1.50	0.54	0.14
166	358.33	-2131.55	60.00	52.73	1.50	0.45	0.14
181	317.67	-2766.59	60.00	52.73	1.50	0.58	0.13
191	317.67	-2354.27	60.00	52.73	1.50	0.50	0.13
206	312.93	-2931.66	60.00	52.73	1.50	0.62	0.13
216	312.93	-1284.84	60.00	52.73	1.50	0.27	0.13
231	351.05	-1919.69	60.00	52.73	1.50	0.40	0.14
241	351.05	-2053.84	60.00	52.73	1.50	0.43	0.14
256	419.85	-1834.57	60.00	52.73	1.50	0.39	0.17
266	419.85	-1196.00	60.00	52.73	1.50	0.25	0.17
281	504.84	-2382.59	60.00	52.73	1.50	0.50	0.20
291	598.20	-1845.3	60.00	52.73	1.50	0.39	0.24
306	598.20	-1845.25	60.00	52.73	1.50	0.39	0.24
316	696.25	-1511.3	60.00	52.73	1.50	0.32	0.28
331	696.25	-1511.32	60.00	52.73	1.50	0.32	0.28
341	505.35	-851.71	60.00	52.73	1.50	0.18	0.20

Tabla 62. Chequeo de la resistencia de las secciones de los pedestales de 70 x 60. Edificio 2. Bloque de Hospitalizados 2. Combinación CPCTCSX.

PEDESTAL	M*	N*	b (cm)	h (cm)	R'b* (KN/cm ²)	η_i	m_i
36	895.59	-2699.33	60.00	62.73	1.50	0.48	0.25
61	784.22	-3246.24	60.00	62.73	1.50	0.57	0.22
86	878.09	-2046.16	60.00	62.73	1.50	0.36	0.25
111	579.30	-2969.31	60.00	62.73	1.50	0.53	0.16
136	490.93	-1572.66	60.00	62.73	1.50	0.28	0.14
161	418.05	-2837.92	60.00	62.73	1.50	0.50	0.12
186	370.62	-2663.98	60.00	62.73	1.50	0.47	0.10
211	365.08	-1580.68	60.00	62.73	1.50	0.28	0.10
236	407.56	-2347.01	60.00	62.73	1.50	0.42	0.12
261	489.83	-1590.65	60.00	62.73	1.50	0.28	0.14
286	588.98	-2605.01	60.00	62.73	1.50	0.46	0.17
311	697.89	-1583.23	60.00	62.73	1.50	0.28	0.20
336	812.30	-3240.63	60.00	62.73	1.50	0.57	0.23

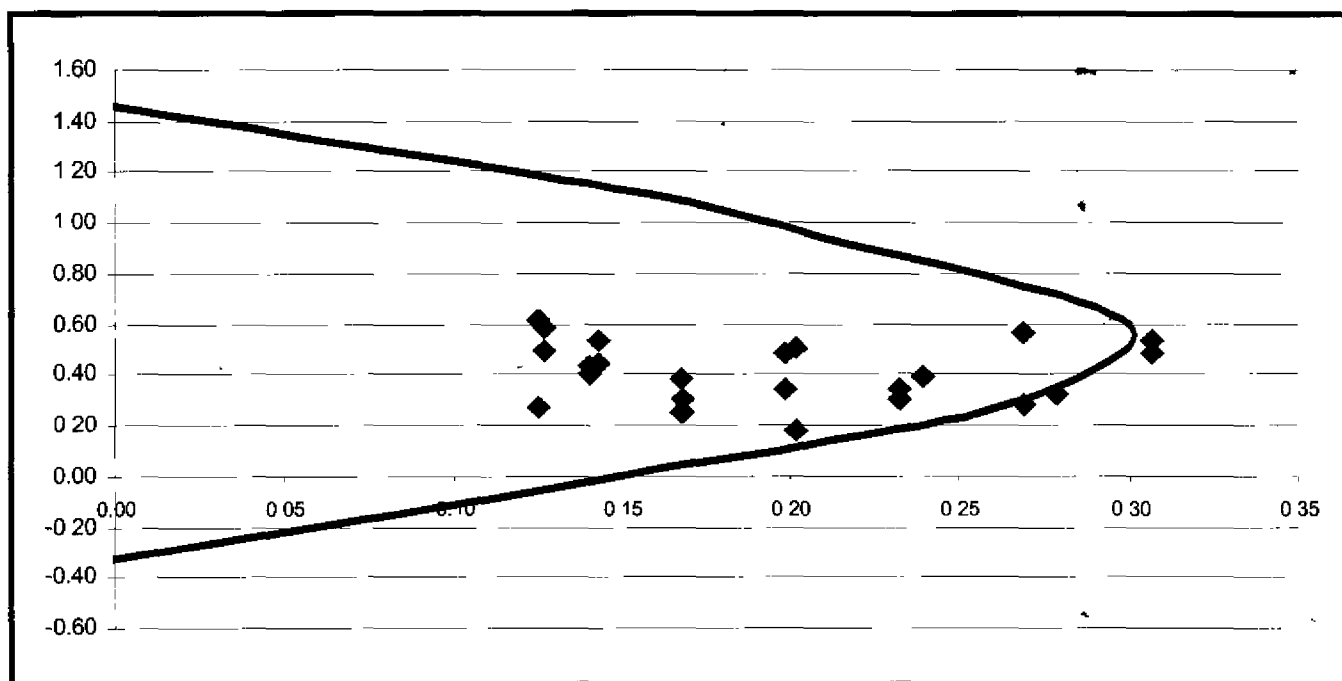


Figura 31. Diagrama de Interacción. Pedestal 60 x 60.

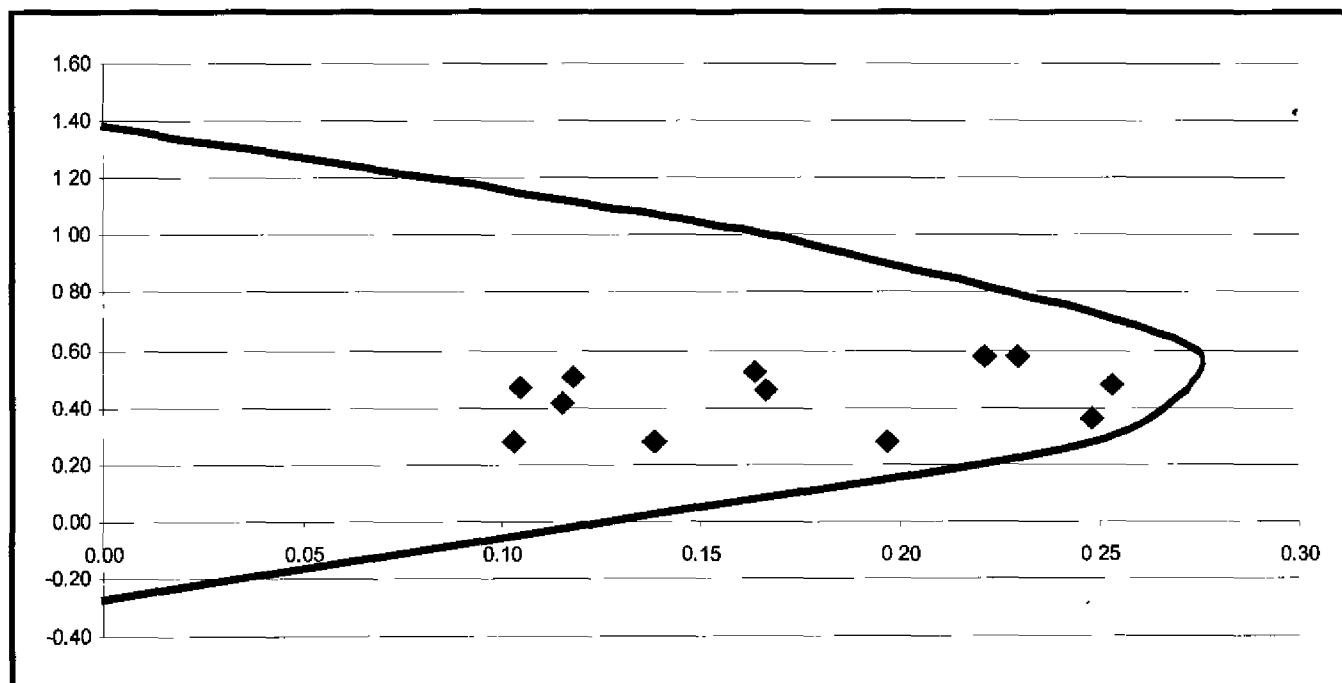


Figura 32. Diagrama de Interacción. Pedestal 70 x 60.

Tabla 63. Chequeo de la resistencia de las secciones de los pedestales de 60 x 35. Edificio 2. Bloque de Hospitalizados 2. Combinación CPCTCSX.

PEDESTAL	M*	N*	b (cm)	h (cm)	R'b* (KN/cm ²)	η_i	m_i
6	505.35	-851.71	35.00	52.00	1.50	0.31	0.36
11	505.35	-3034.74	35.00	52.00	1.50	1.11	0.36
16	505.35	-2712.60	35.00	52.00	1.50	0.99	0.36

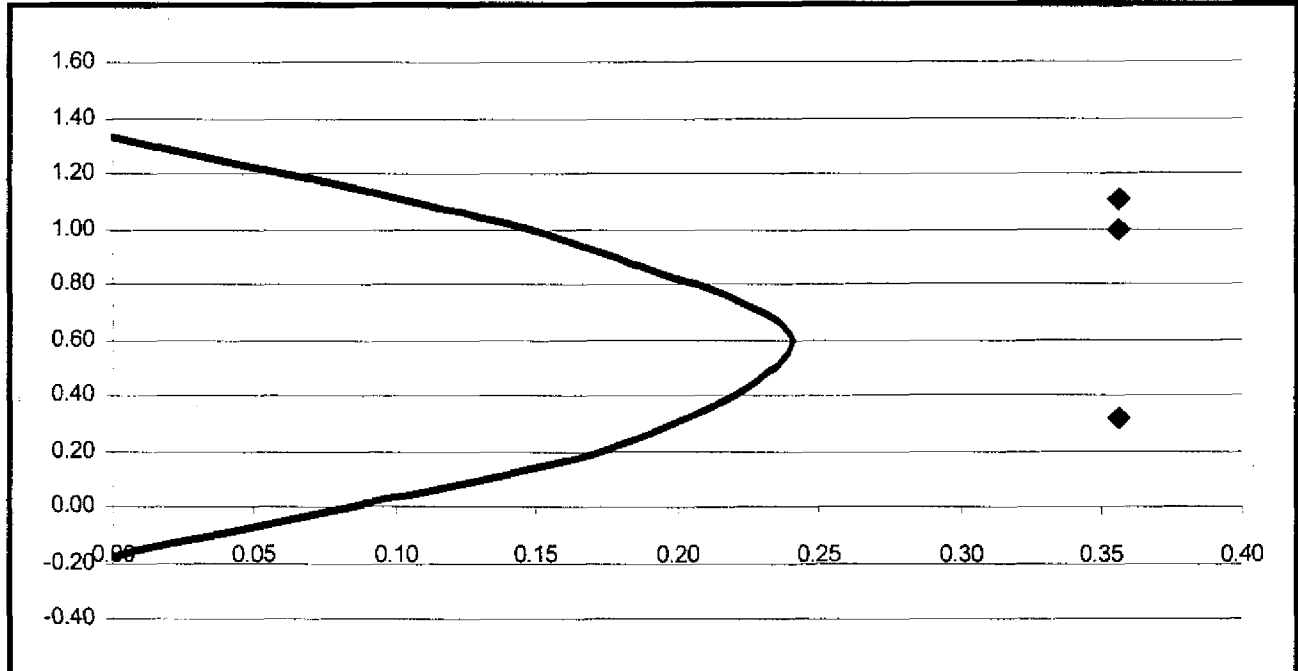


Figura 33. Diagrama de Interacción. Pedestal 60 x 35.

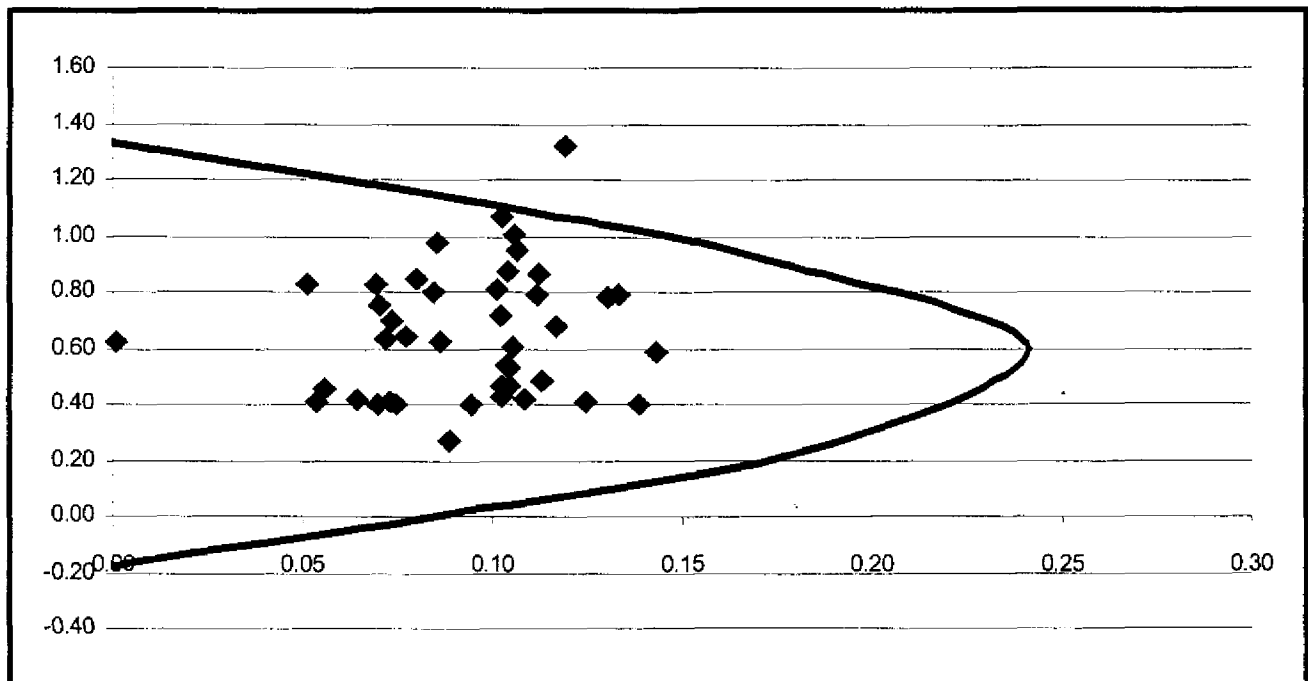


Figura 34. Diagrama de Interacción. Columna 60 x 35.

Tabla 64. Chequeo de la resistencia de las secciones de las columnas de 60 x 35. Edificio 2. Bloque de Hospitalizados 2. Combinación CPCTCSX.

COLUMNA	M*	N*	b (cm)	h (cm)	R'b* (KN/cm ²)	η_i	m_i
7	-125.65	-735.59	35.00	52.00	1.50	0.27	0.09
12	98.59	-2256.19	35.00	52.00	1.50	0.83	0.07
17	120.77	-2673.42	35.00	52.00	1.50	0.98	0.09
32	-159.66	-2373.30	35.00	52.00	1.50	0.87	0.11
37	122.20	-1698.26	35.00	52.00	1.50	0.62	0.09
42	158.64	-2163.66	35.00	52.00	1.50	0.79	0.11
57	-154.27	-1154.47	35.00	52.00	1.50	0.42	0.11
62	113.55	-2311.28	35.00	52.00	1.50	0.85	0.08
67	-151.26	-2581.46	35.00	52.00	1.50	0.95	0.11
82	-148.43	-1257.45	35.00	52.00	1.50	0.46	0.10
87	105.65	-1082.07	35.00	52.00	1.50	0.40	0.07
92	148.40	-1449.39	35.00	52.00	1.50	0.53	0.10
107	-147.32	-1473.77	35.00	52.00	1.50	0.54	0.10
112	-99.54	-2068.29	35.00	52.00	1.50	0.76	0.07
117	143.47	-2207.68	35.00	52.00	1.50	0.81	0.10
132	-145.63	-1279.48	35.00	52.00	1.50	0.47	0.10
137	-98.71	-1081.73	35.00	52.00	1.50	0.40	0.07
142	145.25	-1161.82	35.00	52.00	1.50	0.43	0.10
157	-147.88	-2382.92	35.00	52.00	1.50	0.87	0.10
162	-104.00	-1910.84	35.00	52.00	1.50	0.70	0.07
167	144.85	-1960.56	35.00	52.00	1.50	0.72	0.10
182	-72.86	-2266.84	35.00	52.00	1.50	0.83	0.05
187	-120.10	-2179.92	35.00	52.00	1.50	0.80	0.08
192	149.50	-1652.22	35.00	52.00	1.50	0.61	0.11
207	-79.26	-1237.24	35.00	52.00	1.50	0.45	0.06
212	-134.06	-1096.67	35.00	52.00	1.50	0.40	0.09
217	159.46	-1131.05	35.00	52.00	1.50	0.41	0.06
232	-91.32	-2732.19	35.00	52.00	1.50	1.00	0.11
237	-150.24	-1863.10	35.00	52.00	1.50	0.68	0.12
242	165.61	-1718.72	35.00	52.00	1.50	0.63	0.07
257	-101.60	-3616.02	35.00	52.00	1.50	1.32	0.12
262	-169.06	-1106.85	35.00	52.00	1.50	0.41	0.12
267	176.88	-1119.32	35.00	52.00	1.50	0.41	0.07
282	-103.28	-2155.97	35.00	52.00	1.50	0.79	0.13
287	-189.28	-2122.26	35.00	52.00	1.50	0.78	0.13
292	184.90	-1751.19	35.00	52.00	1.50	0.64	0.08
307	-109.27	-1596.84	35.00	52.00	1.50	0.58	0.14
312	-203.28	-1100.13	35.00	52.00	1.50	0.40	0.14
317	196.89	-1112.66	35.00	52.00	1.50	0.41	0.05
332	-75.96	-1324.82	35.00	52.00	1.50	0.49	0.11
337	-160.80	-2927.88	35.00	52.00	1.50	1.07	0.10
342	145.34	-1691.92	35.00	52.00	1.50	0.62	0.00

Tabla 65. Chequeo de la resistencia de las secciones de las columnas de 30 x 40. Edificio 2. Bloque de Hospitalizados 2. Combinación CPCTCSX.

COLUMNA	M*	N*	b (cm)	h (cm)	R'b* (KN/cm ²)	η_i	m_i
8	-41.63	-523.29	30.00	35.50	1.50	0.33	0.07
13	60.47	-1473.56	30.00	35.50	1.50	0.92	0.11
18	25.32	-1953.45	30.00	35.50	1.50	1.22	0.04
33	-45.25	-1387.02	30.00	35.50	1.50	0.87	0.08
38	61.65	-789.62	30.00	35.50	1.50	0.49	0.11
43	34.18	-1245.30	30.00	35.50	1.50	0.78	0.06
58	-42.25	-1608.10	30.00	35.50	1.50	1.01	0.07
63	54.10	-1538.54	30.00	35.50	1.50	0.96	0.10
68	28.84	-1824.48	30.00	35.50	1.50	1.14	0.05
83	32.44	-1375.04	30.00	35.50	1.50	0.86	0.06
88	48.49	-787.22	30.00	35.50	1.50	0.49	0.09
93	31.04	-611.08	30.00	35.50	1.50	0.38	0.05
108	-34.06	-1205.79	30.00	35.50	1.50	0.75	0.06
113	41.65	-1378.74	30.00	35.50	1.50	0.86	0.07
118	23.58	-1536.81	30.00	35.50	1.50	0.96	0.04
133	-28.94	-1198.61	30.00	35.50	1.50	0.75	0.05
138	-38.35	-786.68	30.00	35.50	1.50	0.49	0.07
143	26.37	-600.43	30.00	35.50	1.50	0.38	0.05
158	-30.63	-2108.67	30.00	35.50	1.50	1.32	0.05
163	-35.12	-1263.17	30.00	35.50	1.50	0.79	0.06
168	19.65	-1333.75	30.00	35.50	1.50	0.83	0.03
183	-32.15	-1290.31	30.00	35.50	1.50	0.81	0.06
188	-35.35	-1471.88	30.00	35.50	1.50	0.92	0.06
193	18.25	-1032.31	30.00	35.50	1.50	0.65	0.03
208	-28.55	-1231.32	30.00	35.50	1.50	0.77	0.05
213	-37.81	-801.80	30.00	35.50	1.50	0.50	0.07
218	24.34	-592.82	30.00	35.50	1.50	0.37	0.04
233	-31.27	-1431.02	30.00	35.50	1.50	0.90	0.06
238	-42.15	-1570.91	30.00	35.50	1.50	0.98	0.07
243	21.78	-1050.83	30.00	35.50	1.50	0.66	0.04
258	-34.56	-2092.97	30.00	35.50	1.50	1.31	0.06
263	-49.37	-810.32	30.00	35.50	1.50	0.51	0.09
268	28.85	-594.31	30.00	35.50	1.50	0.37	0.05
283	-40.97	-1078.93	30.00	35.50	1.50	0.68	0.07
288	-55.49	-1830.24	30.00	35.50	1.50	1.15	0.10
293	-28.39	-1177.61	30.00	35.50	1.50	0.74	0.05
308	-45.54	-1325.90	30.00	35.50	1.50	0.83	0.08
313	-62.08	-805.05	30.00	35.50	1.50	0.50	0.11
318	-37.28	-603.24	30.00	35.50	1.50	0.38	0.07
333	-45.82	-1118.33	30.00	35.50	1.50	0.70	0.08
338	-60.79	-1897.24	30.00	35.50	1.50	1.19	0.11
343	26.45	-1141.92	30.00	35.50	1.50	0.71	0.05

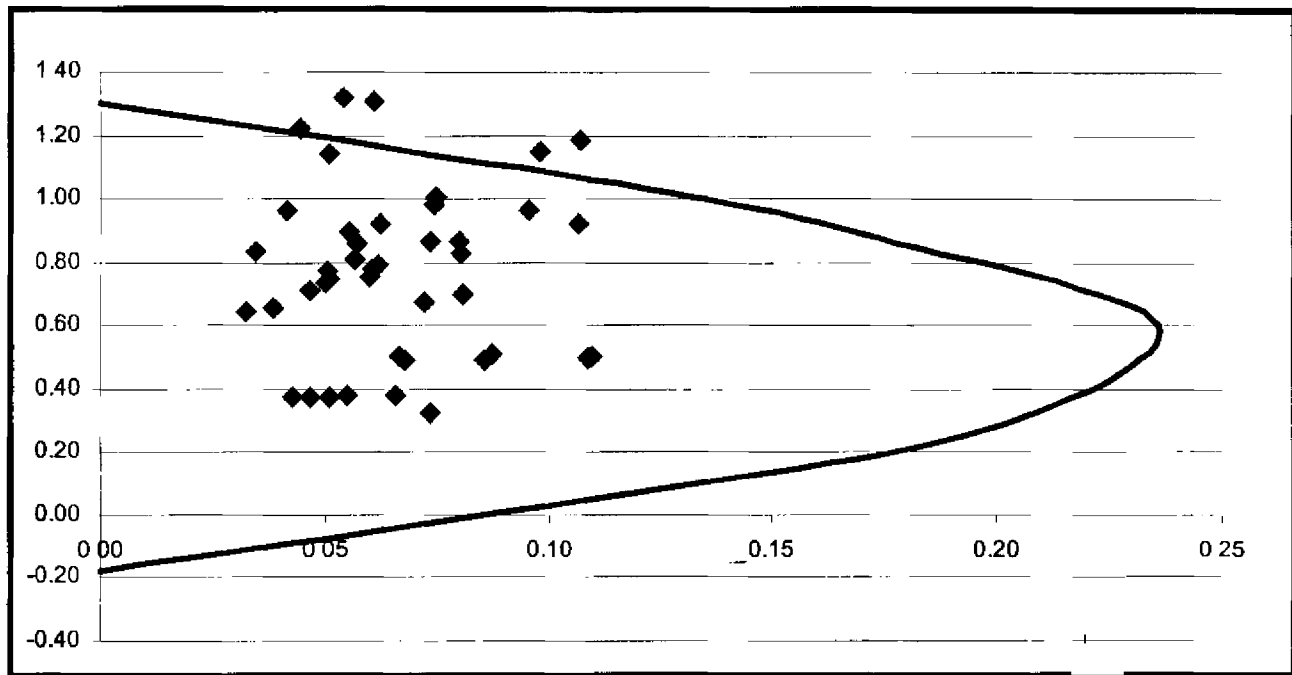


Figura 35. Diagrama de Interacción. Columna 40 x 30.

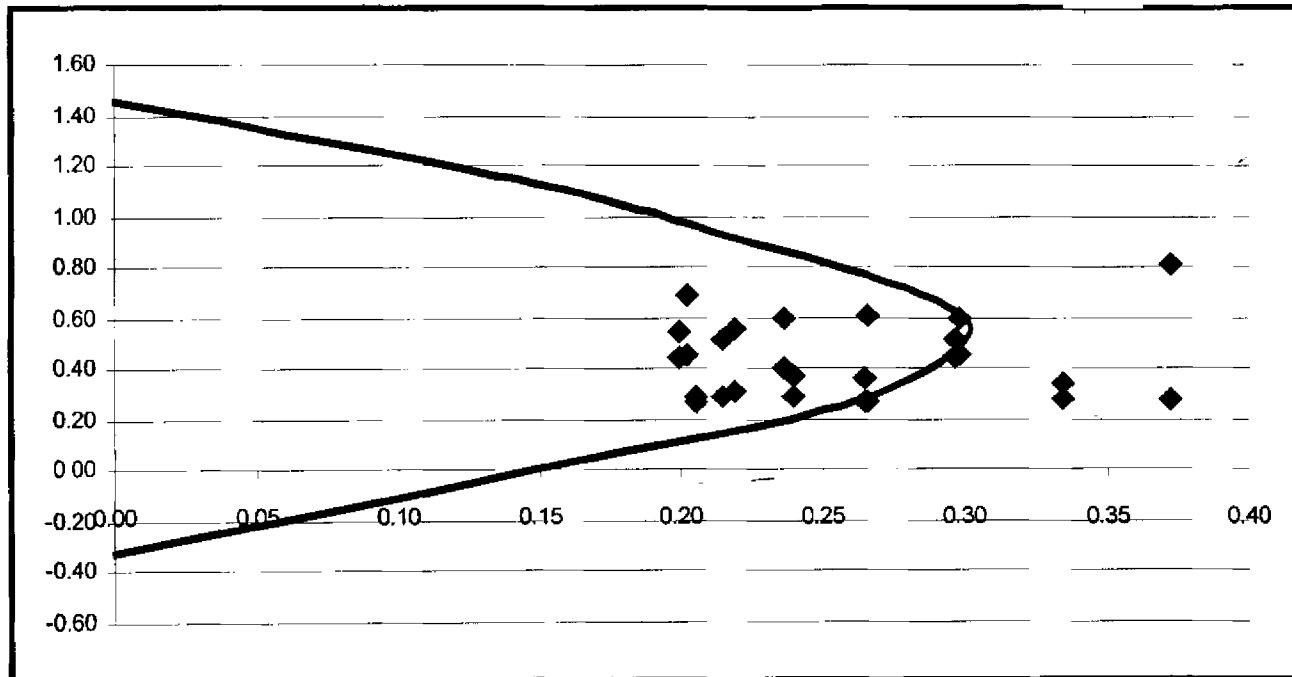


Figura 36. Diagrama de Interacción. Pedestal 60 x 60.

Tabla 66. Chequeo de la resistencia de las secciones de los pedestales de 60 x 60. Edificio 2. Bloque de Hospitalizados 2. Combinación CPCTCSY.

COLUMNA	M*	N*	b (cm)	h (cm)	R'b* (KN/cm ²)	η_i	m_i
31	742.76	-2128.85	60.00	52.73	1.50	0.45	0.30
41	742.76	-2441.10	60.00	52.73	1.50	0.51	0.30
56	666.22	-1296.81	60.00	52.73	1.50	0.27	0.27
66	666.22	-2866.50	60.00	52.73	1.50	0.60	0.27
81	600.34	-1385.21	60.00	52.73	1.50	0.29	0.24
91	600.34	-1762.89	60.00	52.73	1.50	0.37	0.24
106	548.36	-1479.55	60.00	52.73	1.50	0.31	0.22
116	548.36	-2631.11	60.00	52.73	1.50	0.55	0.22
131	513.56	-1388.59	60.00	52.73	1.50	0.29	0.21
141	513.56	-1262.36	60.00	52.73	1.50	0.27	0.21
156	498.60	-2089.52	60.00	52.73	1.50	0.44	0.20
166	498.60	-2573.08	60.00	52.73	1.50	0.54	0.20
181	505.58	-2168.75	60.00	52.73	1.50	0.46	0.20
191	505.58	-3250.89	60.00	52.73	1.50	0.69	0.20
206	536.79	-2429.29	60.00	52.73	1.50	0.51	0.21
216	536.79	-1366.69	60.00	52.73	1.50	0.29	0.21
231	-591.51	-1891.87	60.00	52.73	1.50	0.40	0.24
241	-591.51	-2852.51	60.00	52.73	1.50	0.60	0.24
256	-663.61	-1698.35	60.00	52.73	1.50	0.36	0.27
266	-663.61	-1303.60	60.00	52.73	1.50	0.27	0.27
281	-746.59	-2131.16	60.00	52.73	1.50	0.45	0.30
291	-746.59	-2847.47	60.00	52.73	1.50	0.60	0.30
306	-836.53	-1599.43	60.00	52.73	1.50	0.34	0.33
316	-836.53	-1346.17	60.00	52.73	1.50	0.28	0.33
331	-931.19	-1346.17	60.00	52.73	1.50	0.28	0.37
341	-931.19	-3855.44	60.00	52.73	1.50	0.81	0.37

Tabla 67. Chequeo de la resistencia de las secciones de los pedestales de 70 x 60. Edificio 2. Bloque de Hospitalizados 2. Combinación CPCTCSY.

COLUMNA	M*	N*	b (cm)	h (cm)	R'b* (KN/cm ²)	η_i	m_i
36	866.56	-2803.75	70.00	52.73	1.50	0.51	0.30
61	777.29	-3446.41	70.00	52.73	1.50	0.62	0.27
86	700.39	-2159.06	70.00	52.73	1.50	0.39	0.24
111	639.75	-3298.45	70.00	52.73	1.50	0.60	0.22
136	599.16	-1575.48	70.00	52.73	1.50	0.28	0.21
161	581.70	-3436.37	70.00	52.73	1.50	0.62	0.20
186	589.85	-3389.51	70.00	52.73	1.50	0.61	0.20
211	-626.22	-1586.98	70.00	52.73	1.50	0.29	0.21
236	-690.10	-2970.97	70.00	52.73	1.50	0.54	0.24
261	-663.61	-1590.48	70.00	52.73	1.50	0.29	0.23
286	-871.02	-3386.98	70.00	52.73	1.50	0.61	0.30
311	-975.95	-1590.67	70.00	52.73	1.50	0.29	0.33
336	-1086.38	-4655.86	70.00	52.73	1.50	0.84	0.37

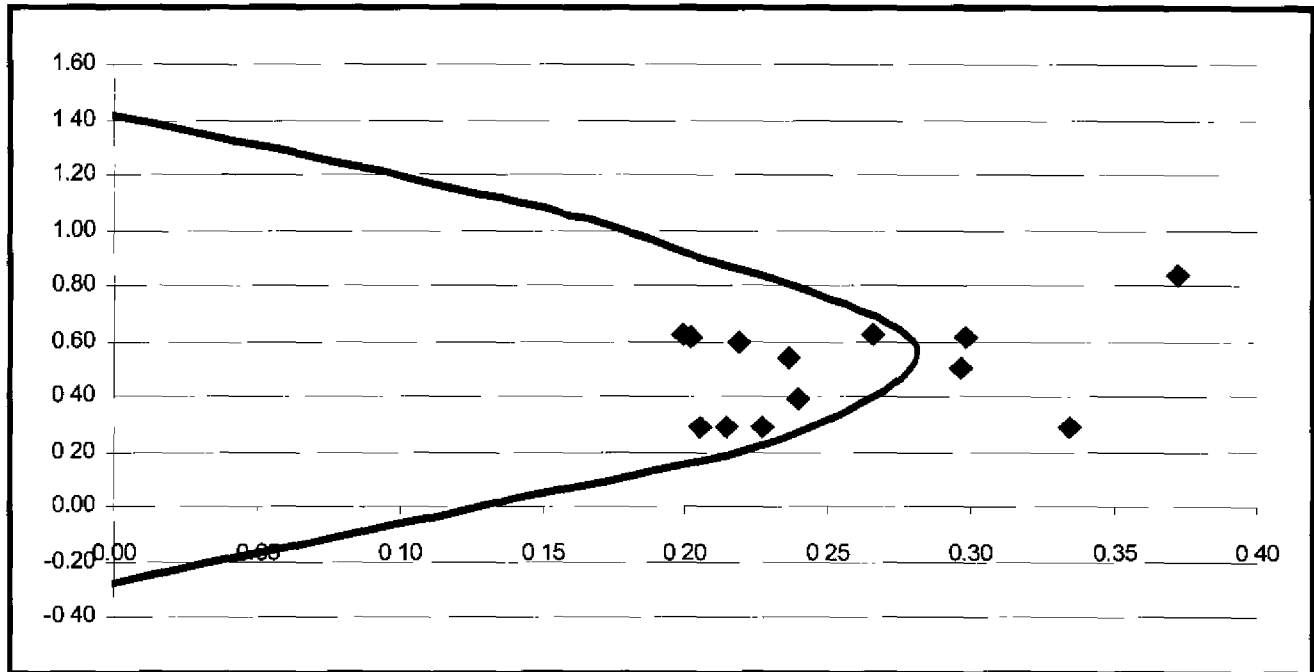


Figura 37. Diagrama de Interacción. Pedestal 70 x 60.

Tabla 68. Chequeo de la resistencia de las secciones de los pedestales de 60 x 35. Edificio 2. Bloque de Hospitalizados 2. Combinación CPCTCSY.

COLUMNA	M^*	N^*	b (cm)	h (cm)	$R'b^*$ (KN/cm ²)	η_i	m_i
6	482.55	-858.23	60.00	27.00	1.50	0.35	0.74
11	482.55	-3242.92	60.00	27.00	1.50	1.33	0.74
16	482.55	-2858.33	60.00	27.00	1.50	1.18	0.74

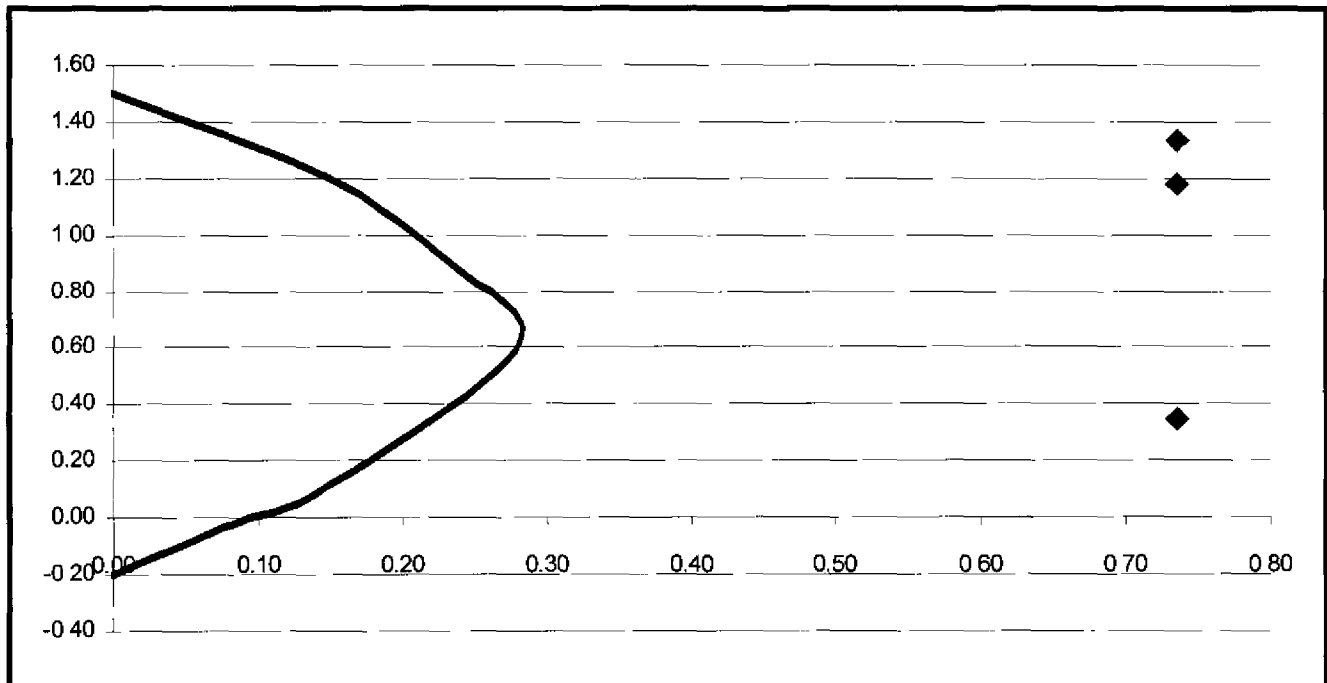


Figura 38. Diagrama de Interacción. Pedestal 60 x 35.

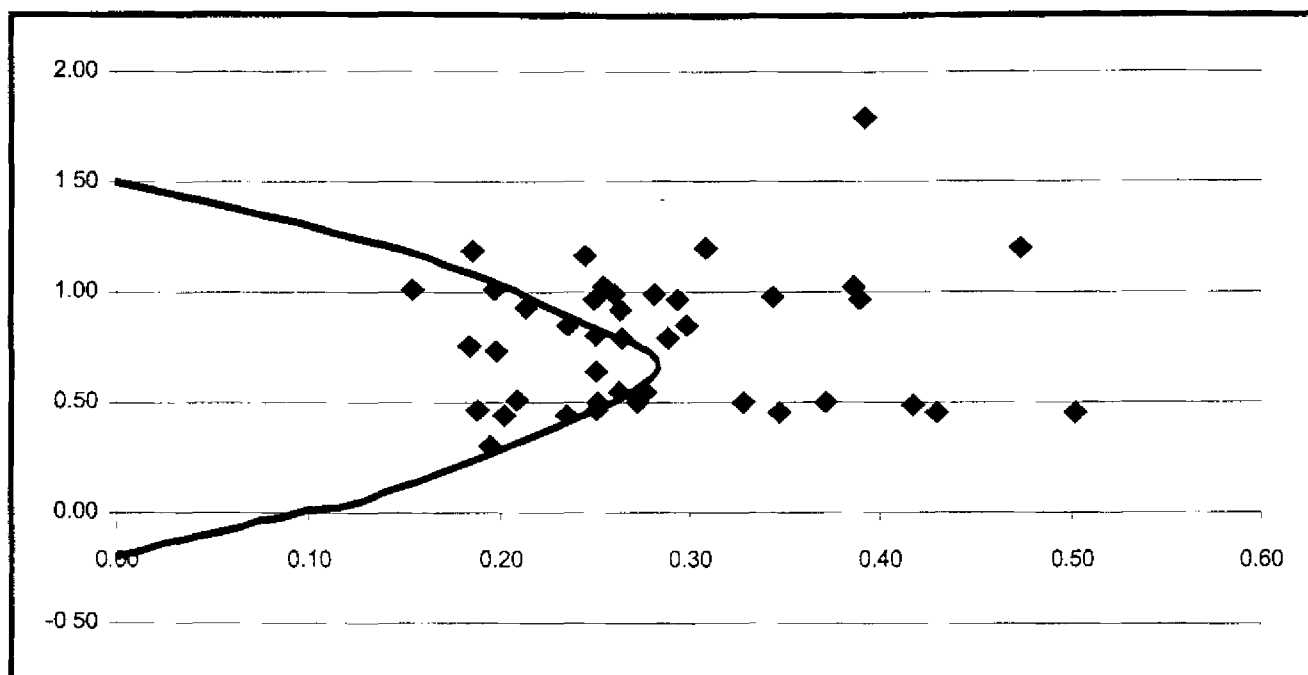


Figura 39. Diagrama de Interacción. Columna 60 x 35.

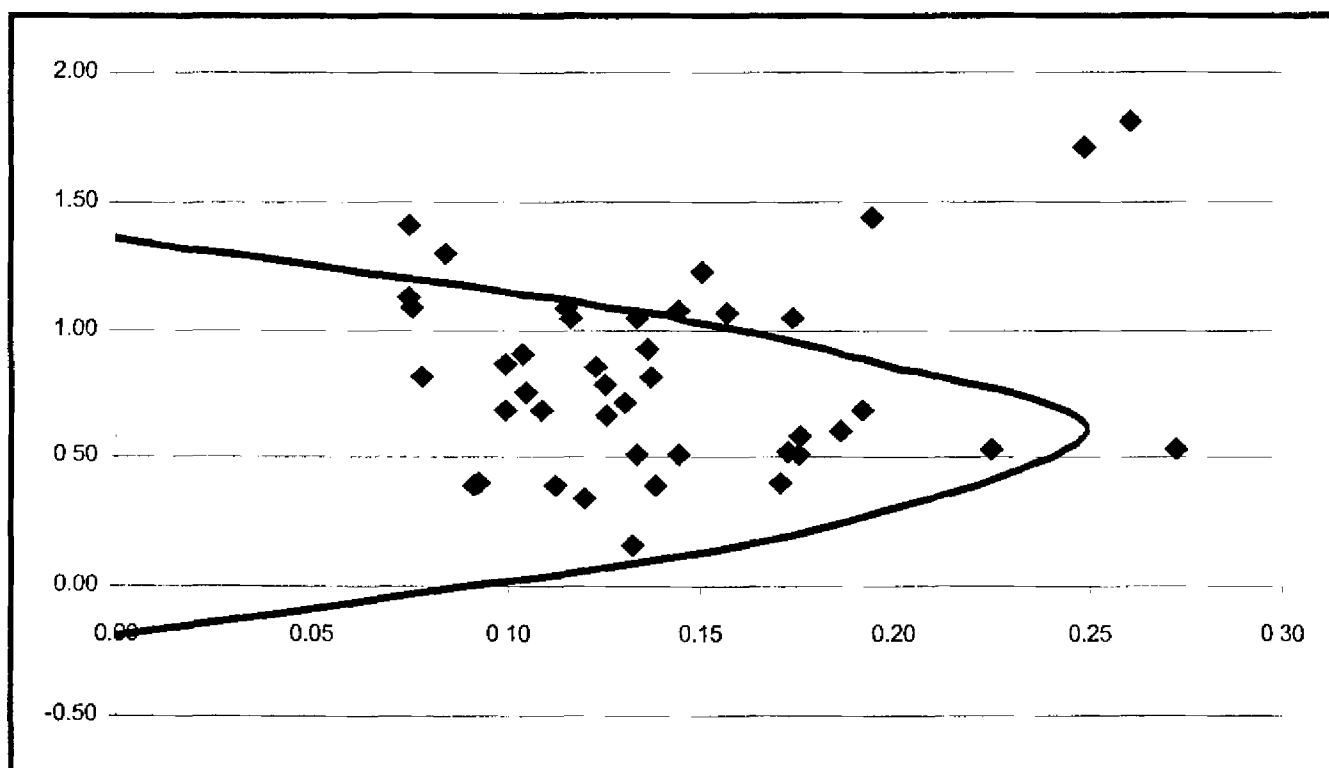


Figura 40. Diagrama de Interacción. Columna 40 x 30.

Tabla 69. Chequeo de la resistencia de las secciones de las columnas de 60 x 35. Edificio 2. Bloque de Hospitalizados 2. Combinación CPCTCSY.

COLUMNA	M*	N*	b (cm)	h (cm)	R'b* (KN/cm ²)	η_i	m_i
7	-127.49	-741.28	60.00	27.00	1.50	0.31	0.19
12	101.24	-2452.13	60.00	27.00	1.50	1.01	0.15
17	121.73	-2886.33	60.00	27.00	1.50	1.19	0.19
32	-163.87	-1962.28	60.00	27.00	1.50	0.81	0.25
37	129.63	-1775.29	60.00	27.00	1.50	0.73	0.20
42	163.24	-2334.32	60.00	27.00	1.50	0.96	0.25
57	-163.90	-1122.53	60.00	27.00	1.50	0.46	0.25
62	129.13	-2464.19	60.00	27.00	1.50	1.01	0.20
67	160.13	-2812.49	60.00	27.00	1.50	1.16	0.24
82	-164.51	-1220.40	60.00	27.00	1.50	0.50	0.25
87	132.42	-1082.36	60.00	27.00	1.50	0.45	0.20
92	164.02	-1545.99	60.00	27.00	1.50	0.64	0.25
107	171.87	-1317.83	60.00	27.00	1.50	0.54	0.26
112	139.89	-2251.03	60.00	27.00	1.50	0.93	0.21
117	166.71	-2475.23	60.00	27.00	1.50	1.02	0.25
132	-178.36	-1225.92	60.00	27.00	1.50	0.50	0.27
137	153.82	-1084.58	60.00	27.00	1.50	0.45	0.23
142	177.85	-1277.13	60.00	27.00	1.50	0.53	0.27
157	-189.48	-1925.09	60.00	27.00	1.50	0.79	0.29
162	-172.84	-2228.13	60.00	27.00	1.50	0.92	0.26
167	184.47	-2392.65	60.00	27.00	1.50	0.98	0.28
182	-120.32	-1835.36	60.00	27.00	1.50	0.76	0.18
187	-202.04	-2905.85	60.00	27.00	1.50	1.20	0.31
192	195.92	-2063.38	60.00	27.00	1.50	0.85	0.30
207	-136.85	-1241.31	60.00	27.00	1.50	0.51	0.21
212	-227.68	-1102.41	60.00	27.00	1.50	0.45	0.35
217	215.04	-1226.44	60.00	27.00	1.50	0.50	0.33
232	-154.20	-2075.00	60.00	27.00	1.50	0.85	0.24
237	-253.13	-2486.92	60.00	27.00	1.50	1.02	0.39
242	225.25	-2361.75	60.00	27.00	1.50	0.97	0.34
257	-170.63	-2394.75	60.00	27.00	1.50	0.99	0.26
262	-281.74	-1106.41	60.00	27.00	1.50	0.46	0.43
267	243.85	-1214.54	60.00	27.00	1.50	0.50	0.37
282	-173.20	-1927.68	60.00	27.00	1.50	0.79	0.26
287	-310.47	-2904.67	60.00	27.00	1.50	1.20	0.47
292	255.18	-2335.82	60.00	27.00	1.50	0.96	0.39
307	-181.23	-1324.17	60.00	27.00	1.50	0.54	0.28
312	-329.23	-1107.66	60.00	27.00	1.50	0.46	0.50
317	273.64	-1199.50	60.00	27.00	1.50	0.49	0.42
332	-123.26	-1136.98	60.00	27.00	1.50	0.47	0.19
337	-257.09	-4342.88	60.00	27.00	1.50	1.79	0.39
342	192.75	-2337.65	60.00	27.00	1.50	0.96	0.29

Tabla 70. Chequeo de la resistencia de las secciones de las columnas de 30 x 40. Edificio 2. Bloque de Hospitalizados 2. Combinación CPCTCSY.

COLUMNA	M*	N*	b (cm)	h (cm)	R'b* (KN/cm ²)	η_i	m_i
8	-46.68	-527.39	40.00	25.50	1.50	0.34	0.12
13	67.81	-1597.40	40.00	25.50	1.50	1.04	0.17
18	29.12	-2153.30	40.00	25.50	1.50	1.41	0.07
33	-48.76	-1196.93	40.00	25.50	1.50	0.78	0.12
38	68.46	-791.44	40.00	25.50	1.50	0.52	0.18
43	38.80	-1324.10	40.00	25.50	1.50	0.87	0.10
58	-47.92	-1312.63	40.00	25.50	1.50	0.86	0.12
63	61.13	-1632.52	40.00	25.50	1.50	1.07	0.16
68	32.80	-1984.51	40.00	25.50	1.50	1.30	0.08
83	-40.77	-1154.81	40.00	25.50	1.50	0.75	0.10
88	56.37	-787.43	40.00	25.50	1.50	0.51	0.14
93	36.16	-614.72	40.00	25.50	1.50	0.40	0.09
108	-42.32	-1054.38	40.00	25.50	1.50	0.69	0.11
113	51.59	-247.55	40.00	25.50	1.50	0.16	0.13
118	29.14	-1726.46	40.00	25.50	1.50	1.13	0.07
133	38.82	-1050.50	40.00	25.50	1.50	0.69	0.10
138	-52.14	-789.14	40.00	25.50	1.50	0.52	0.13
143	35.69	-605.43	40.00	25.50	1.50	0.40	0.09
158	-44.94	-1655.26	40.00	25.50	1.50	1.08	0.12
163	-53.12	-1421.87	40.00	25.50	1.50	0.93	0.14
168	29.42	-1662.33	40.00	25.50	1.50	1.09	0.08
183	-50.79	-1087.51	40.00	25.50	1.50	0.71	0.13
188	-58.67	-1872.24	40.00	25.50	1.50	1.22	0.15
193	30.37	-1239.80	40.00	25.50	1.50	0.81	0.08
208	-48.92	-1020.45	40.00	25.50	1.50	0.67	0.13
213	67.28	-806.86	40.00	25.50	1.50	0.53	0.17
218	43.78	-603.17	40.00	25.50	1.50	0.39	0.11
233	53.47	-1249.01	40.00	25.50	1.50	0.82	0.14
238	-75.78	-2196.11	40.00	25.50	1.50	1.44	0.19
243	40.51	-1390.05	40.00	25.50	1.50	0.91	0.10
258	-56.39	-1639.19	40.00	25.50	1.50	1.07	0.14
263	-87.63	-812.16	40.00	25.50	1.50	0.53	0.22
268	53.97	-608.53	40.00	25.50	1.50	0.40	0.14
283	-68.57	-889.24	40.00	25.50	1.50	0.58	0.18
288	-96.97	-2614.21	40.00	25.50	1.50	1.71	0.25
293	-52.04	-1604.25	40.00	25.50	1.50	1.05	0.13
308	-74.91	-1046.97	40.00	25.50	1.50	0.68	0.19
313	-106.42	-811.89	40.00	25.50	1.50	0.53	0.27
318	-66.54	-619.85	40.00	25.50	1.50	0.41	0.17
333	-72.63	920.99	40.00	25.50	1.50	0.60	0.19
338	-101.73	2761.66	40.00	25.50	1.50	1.81	0.26
343	45.30	-1599.85	40.00	25.50	1.50	1.05	0.12

Tabla 71. Chequeo del Efecto P-Delta. Edificio 1. Bloque de Hospitalizados 1. Dirección transversal.

Nivel	δx	Wi	Vx	θx	P-Delta
13.20	0.00382	9339.70	2741.13	0.01	No se considera el efecto P-Delta
9.90	0.00430	21174.50	4863.97	0.01	No se considera el efecto P-Delta
6.60	0.00600	32985.90	6656.16	0.01	No se considera el efecto P-Delta
3.30	0.00687	44656.90	7848.51	0.02	No se considera el efecto P-Delta
0.00	0.00018	56591.00	8090.90	0.00	No se considera el efecto P-Delta

Tabla 72. Chequeo del Efecto P-Delta. Edificio 1. Bloque de Hospitalizados 1. Dirección longitudinal.

Nivel	δx	Wi	Vx	θx	P-Delta
13.20	0.00320	9339.70	2125.51	0.01	No se considera el efecto P-Delta
9.90	0.00478	21174.50	4212.49	0.01	No se considera el efecto P-Delta
6.60	0.00565	32985.90	5136.29	0.02	No se considera el efecto P-Delta
3.30	0.00186	44656.90	6951.83	0.01	No se considera el efecto P-Delta
0.00	0.00113	56591.00	7290.92	0.00	No se considera el efecto P-Delta

Tabla 73. Chequeo del Efecto P-Delta. Edificio 2. Bloque de Hospitalizados 1. Dirección transversal.

Nivel	δx	Wi	Vx	θx	P-Delta
13.20	0.00377	9339.70	3234.78	0.00	No se considera el efecto P-Delta
9.90	0.00626	21151.10	8364.36	0.01	No se considera el efecto P-Delta
6.60	0.00633	33114.60	10511.28	0.01	No se considera el efecto P-Delta
3.30	0.00475	44914.30	11709.10	0.01	No se considera el efecto P-Delta
0.00	0.00167	56333.60	11933.48	0.00	No se considera el efecto P-Delta

Tabla 74. Chequeo del Efecto P-Delta. Edificio 2. Bloque de Hospitalizados 1. Dirección longitudinal.

Nivel	δx	Wi	Vx	θx	P-Delta
13.20	0.00195	9339.70	2188.64	0.00	No se considera el efecto P-Delta
9.90	0.00337	21151.10	5900.07	0.01	No se considera el efecto P-Delta
6.60	0.00177	33114.60	9375.72	0.00	No se considera el efecto P-Delta
3.30	0.00485	44914.30	8149.21	0.01	No se considera el efecto P-Delta
0.00	0.00128	56333.60	7585.37	0.00	No se considera el efecto P-Delta

Tabla 75. Chequeo del Efecto P-Delta. Edificio 1. Bloque de Hospitalizados 2. Dirección transversal.

Nivel	δx	Wi	Vx	θx	P-Delta
13.20	0.00312	8895.10	2912.81	0.00	No se considera el efecto P-Delta
9.90	0.00706	21899.90	6365.69	0.01	No se considera el efecto P-Delta
6.60	0.00793	34308.00	7510.49	0.02	No se considera el efecto P-Delta
3.30	0.00716	47383.00	9197.12	0.02	No se considera el efecto P-Delta
0.00	0.00210	59691.50	9164.80	0.01	No se considera el efecto P-Delta

Tabla 76. Chequeo del Efecto P-Delta. Edificio 1. Bloque de Hospitalizados 2. Dirección longitudinal.

Nivel	δx	Wi	Vx	θx	P-Delta
13.20	0.00198	8895.10	2196.56	0.00	No se considera el efecto P-Delta
9.90	0.00311	21899.90	4844.34	0.01	No se considera el efecto P-Delta
6.60	0.00433	34308.00	6131.32	0.01	No se considera el efecto P-Delta
3.30	0.0028	47383.00	7186.97	0.01	No se considera el efecto P-Delta
0.00	0.00132	59691.50	8082.36	0.00	No se considera el efecto P-Delta

Tabla 77. Chequeo del Efecto P-Delta. Edificio 2. Bloque de Hospitalizados 2. Dirección transversal.

Nivel	δx	Wi	Vx	θx	P-Delta
13.20	0.00521	8895.10	3179.42	0.01	No se considera el efecto P-Delta
9.90	0.00770	20928.80	6939.97	0.01	No se considera el efecto P-Delta
6.60	0.00825	33021.00	8938.55	0.01	No se considera el efecto P-Delta
3.30	0.00967	45698.20	9188.57	0.02	No se considera el efecto P-Delta
0.00	0.00260	58240.70	10319.20	0.01	No se considera el efecto P-Delta

Tabla 78. Chequeo del Efecto P-Delta. Edificio 2. Bloque de Hospitalizados 2. Dirección longitudinal.

Nivel	δx	Wi	Vx	θx	P-Delta
13.20	0.00199	8895.10	3179.42	0.01	No se considera el efecto P-Delta
9.90	0.00279	20928.80	6939.97	0.01	No se considera el efecto P-Delta
6.60	0.00350	33021.00	8938.55	0.01	No se considera el efecto P-Delta
3.30	0.00116	45698.20	9188.57	0.02	No se considera el efecto P-Delta
0.00	0.00158	58240.70	10319.20	0.01	No se considera el efecto P-Delta

Tabla 79. Nomenclatura de columnas y pedestales. Bloques de Hospitalizados 1 y 2.

Elemento	Bloque	Eje		Elemento	Bloque	Eje	
		Hosp. 1	Hosp. 2			Hosp. 1	Hosp. 2
6	1	1M	1Q	136	1	6L	6P
7	2	15M	15Q	137	2	20L	20P
8				138			
11	1	1L	1P	141	1	6K	6O
12	2	15L	15P	142	2	20K	20O
13				143			
16	1	1K	1O	156	1	7M	7Q
17	2	15K	15O	157	2	21M	21Q
18				158			
31	1	2M	2Q	161	1	7L	7P
32	2	16M	16Q	162	2	21L	21P
33				163			
36	1	2L	2P	166	1	7K	7O
37	2	16L	16P	167	2	21K	21O
38				168			
41	1	2K	2O	181	1	8M	8Q
42	2	16K	16O	182	2	22M	22Q
43				183			
56	1	3M	3Q	186	1	8L	8P
57	2	17M	17Q	187	2	22L	22P
58				188			
61	1	3L	3P	191	1	8K	8O
62	2	17L	16P	192	2	23K	22O
63				193			
66	1	3K	3O	206	1	9M	9Q
67	2	18K	17O	207	2	23M	23Q
68				208			
81	1	4M	4Q	211	1	9L	9P
82	2	18M	18Q	212	2	23L	23P
83				213			
86	1	4L	4P	216	1	9K	9O
87	2	18L	18P	217	2	23K	23O
88				218			
91	1	4K	4O	231	1	10M	10Q
92	2	18K	18O	232	2	24M	24Q
93				233			
106	1	5M	5Q	236	1	10L	10P
107	2	19M	19Q	237	2	24L	24P
108				238			
111	1	5L	5P	241	1	10K	10O
112	2	19L	19P	242	2	24K	24O
113				243			
116	1	5K	5O	256	1	11M	11Q
117	2	19K	19O	257	2	25M	25Q
118				258			
131	1	6M	6Q	261	1	11L	11P
132	2	20M	20Q	262	2	25L	25P
133				263			

Tabla 79. Nomenclatura de columnas y pedestales. Bloques de Hospitalizados 1 y 2. (Continuación).

Elemento	Bloque	Eje		Elemento	Bloque	Eje	
		Hosp. 1	Hosp. 2			Hosp. 1	Hosp. 2
266	1	11K	11O	311	1	13L	13P
267	2	25K	25O	312	2	27L	27P
268				313			
281	1	12M	12Q	316	1	13K	13O
282	2	26M	26Q	317	2	27K	27O
283				318			
286	1	12L	12P	331	1	14M	14Q
287	2	26L	26P	332	2	28M	28Q
288				333			
291	1	12K	12O	336	1	14L	14P
292	2	26K	26O	337	2	28L	28P
293				338			
306	1	13M	13Q	341	1	14K	14O
307	2	27M	27Q	342	2	28K	28O
308				343			

Tabla 80. Tabla Resumen de los resultados del chequeo de los elementos. Edificio 1 Bloque Hospitalizados 1.

Elemento	Dirección análisis	Sección inadecuada	Secciones que no resisten
Pedestales	X	-	13L, 3M, 14M, 14L, 14K
	Y	-	14M, 14L, 14K
Columnas 60x35	X	-	13L, 13K
	Y	2M, 3M, 5M, 11M, 12M	11K, 13K, 13L, 12L
Columnas 40x30	X	2K, 13L	2K, 3M, 7M, 11M, 11K, 13M, 13L, 13K, 12L
	Y	11L, 13K, 2K, 12L	14K, 7K, 8K, 10K, 12K, 1K, 5K, 3K, 8L, 7L, 1L, 14L, 12L, 5L, 3L, 4K, 2K, 2L, 4L, 27L, 10L

Tabla 81. Tabla Resumen de los resultados del chequeo de los elementos. Edificio 2 Bloque Hospitalizados 1.

Elemento	Dirección análisis	Sección inadecuada	Secciones que no resisten
Pedestales	X	28M	15M, 15L, 16L, 27L, 28M, 28L, 28K
	Y	-	15L, 16L, 17L, 18L, 19L, 20L, 27M, 23L, 24L, 25L, 26L, 27L, 28M, 28L, 28K
Columnas 60x35	X	-	-
	Y	16M, 25L, 17M, 19M, 22L, 25M, 26M	17L, 17K, 15K, 28L
Columnas 40x30	X	26K	15K, 17K, 26K
	Y	15L, 17L, 19L, 24K, 28K, 21L, 21K, 22K, 26K	28K, 21K, 22K, 24K, 26K, 15K, 19K, 17K, 22L, 21L, 15L, 28L, 26L, 19L, 17L, 28K, 16K, 16L, 18L, 27L, 24L

ANEXO 4 RESULTADO DEL ANALISIS DE LA VULNERABILIDAD ESTRUCTURAL

**Tabla 82. Tabla Resumen de los resultados del chequeo de los elementos. Edificio 1
Bloque Hospitalizados 2.**

Elemento	Dirección análisis	Sección inadecuada	Secciones que no resisten
Pedestales	X	14P, 14Q	10, 3Q, 12P, 13P, 14Q, 14P, 14O
	Y	14Q, 14P, 14O	10, 1Q, 2Q, 6P, 5P, 12P, 13P, 4P, 3P, 2P, 1P, 14Q, 14P, 14O
Columnas 60x35	X	1P	-
	Y	1P, 3P, 7P, 5P, 7Q, 12Q, 2Q, 2P, 3Q, 4Q, 4P, 8Q, 8P	1P, 1O, 7Q, 5O, 7P, 3O, 4Q, 3Q, 2O, 5P, 3P, 5Q, 4O, 6P, 2Q, 4P, 2P, 6Q, 10Q
Columnas 40x30	X	1P, 8P, 12P, 14O	14O, 28P, 1P, 12P
	Y	1P, 3P, 5P, 12P	12P, 7P, 3O, 5P, 1P, 3P, 2P

**Tabla 83. Tabla Resumen de los resultados del chequeo de los elementos. Edificio 2
Bloque Hospitalizados 2.**

Elemento	Dirección análisis	Sección inadecuada	Secciones que no resisten
Pedestales	X	-	28P, 16O, 16Q, 17Q, 27P, 28Q, 27O, 15Q, 15P, 15O
	Y	26O, 28P, 28O, 15Q, 26P	28O, 28Q, 27Q, 27O, 25O, 16Q, 28P, 26P, 16P, 27P, 15Q, 15P, 15O
Columnas 60x35	X	25Q, 28P	25Q
	Y	22P, 24P, 26Q, 25P, 27O, 28O, 16Q, 21Q, 21P, 24Q, 26P	28P, 15O, 17O, 22P, 26P, 19O, 24P, 16O, 25Q, 21P, 21O, 28O, 22O, 21O, 24O, 26O, 27Q, 20O, 23O, 23P, M25O, 27O, 25P, 27P
Columnas 40x30	X	21Q, 25Q, 26P, 28P	21Q, 25Q, 15O, 26P, 28P
	Y	22P, 24P, 26P, 25Q	28P, 15O, 17O, 24P, 22P, 25Q, 17P, 15P, 27P

ANEXO 4. RESULTADO DEL ANALISIS DE LA VULNERABILIDAD ESTRUCTURAL

o Bloque de Servicios.

Tabla 84. Características generales de la respuesta dinámica de la estructura.

TOTAL ASSEMBLED JOINT MASSES

IN GLOBAL COORDINATES

	UX	UY	UZ	RX	RY	RZ
TOTAL	16336.780	16336.780	16336.780	.000000	.000000	.000000

MODAL PERIODS AND FREQUENCIES

MODE	PERIOD (TIME)	FREQUENCY (CYC/TIME)	FREQUENCY (RAD/TIME)	EIGENVALUE (RAD/TIME)**2
1	0.369714	2.704790	16.994698	288.819773
2	0.333462	2.998842	18.842283	355.031628
3	0.292870	3.414490	21.453870	460.268557
4	0.242470	4.124229	25.913295	671.498879
5	0.194543	5.140245	32.297112	1043.103
6	0.173590	5.760701	36.195552	1310.118
7	0.154094	6.489559	40.775102	1662.609
8	0.110623	9.039741	56.798365	3226.054
9	0.072744	13.746841	86.373950	7460.459

MODAL PARTICIPATING MASS RATIOS

MODE	PERIOD	INDIVIDUAL MODE (PERCENT)			CUMULATIVE SUM (PERCENT)		
		UX	UY	UZ	UX	UY	UZ
1	0.369714	44.1291	0.0140	0.0000	44.1291	0.0140	0.0000
2	0.333462	21.1840	0.4546	0.0001	65.3130	0.4685	0.0001
3	0.292870	4.0324	14.4171	0.0001	69.3454	14.8856	0.0002
4	0.242470	0.9285	24.3890	0.0000	70.2739	39.2746	0.0002
5	0.194543	0.0705	0.0078	3.1318	70.3445	39.2824	3.1321
6	0.173590	0.8797	0.0823	2.8706	71.2242	39.3647	6.0026
7	0.154094	22.6748	0.1732	0.0737	93.8990	39.5379	6.0763
8	0.110623	0.0500	51.8729	0.0053	93.9490	91.4108	6.0817
9	0.072744	0.0015	0.0042	79.9801	93.9505	91.4151	86.0617

SPEC SISMOX -----

FOR EACH MODE, DUE TO SPECTRAL ACCELERATION IN DIRECTION U1:

MODE	F1	F2	F3	M1	M2	M3
1	53228.956	-947.135413	-9.100271	13928.107	453805.975	-261680.821
2	25552.346	-3742.991	-48.959508	25277.890	196585.448	-2.7237E+06
3	4863.905	9196.937	28.386110	-83160.886	32997.765	-165348.783
4	1120.010	-5740.097	0.323128	51469.977	5576.168	52277.192
5	83.903216	27.924803	-559.137088	-20212.113	-218.472375	15495.555
6	991.097478	303.135080	1790.280	80617.843	4578.627	59205.306
7	24211.676	2116.356	-1380.378	-83649.316	28008.402	-906620.043
8	46.805633	-1508.056	15.288845	8496.190	103.484838	-10861.843
9	1.252282	2.088359	287.012777	11212.302	73.456528	-607.767346

ANEXO 4 RESULTADO DEL ANALISIS DE LA VULNERABILIDAD ESTRUCTURAL

COMBINED FOR ALL MODES AND ALL DIRECTIONS OF SPECTRAL ACCELERATION:

	F1	F2	F3	M1	M2	M3
SPEC	75346.890	9758.048	1683.535	121676.034	586024.440	3.0616E+06

SPEC SISMOY -----

FOR EACH MODE, DUE TO SPECTRAL ACCELERATION IN DIRECTION U2:

MODE	F1	F2	F3	M1	M2	M3
1	-947.135413	16.852960	0.161927	-247.831334	-8074.848	4656.247
2	-3742.991	548.285490	7.171748	-3702.788	-28796.476	398975.600
3	9196.937	17390.069	53.674005	-157245.136	62393.972	-312650.493
4	-5740.097	29418.232	-1.656047	-263785.759	-28578.090	-267922.771
5	27.924803	9.293978	-186.092904	-6727.028	-72.712327	5157.256
6	303.135080	92.716286	547.571476	24657.611	1400.410	18108.416
7	2116.356	184.991903	-120.659659	-7311.834	2448.230	-79248.172
8	-1508.056	48588.886	-492.599648	-273743.379	-3334.234	349963.654
9	2.088359	3.482636	478.634802	18698.115	122.499252	-1013.539

COMBINED FOR ALL MODES AND ALL DIRECTIONS OF SPECTRAL ACCELERATION:

	F1	F2	F3	M1	M2	M3
SPEC	9758.048	61807.085	810.521726	436294.213	61223.214	613927.193

Tabla 85. Desplazamientos máximos.

Desplazamientos												
Primer Nivel												
Nudos	Estados	U1	U2	Delta 1-1	Delta 2-1	Delta Inel. 1-1	Delta Inel. 2-1	Flexibilidad		Permisible	Por ciento	
5	COMB1 MAX	0.00782	0.00143	0.00782	0.00143	0.01173	0.00214	24.59	22.13	0.0220	35.55	6.48
5	COMB1 MIN	-0.00784	-0.00144	-0.00784	-0.00144	-0.01176	-0.00216	24.49	22.13	0.0220	35.62	6.53
5	COMB2 MAX	0.00354	0.00145	0.00354	0.00145	0.00530	0.00217	20.92	10.98	0.0220	16.07	6.59
5	COMB2 MIN	-0.00355	-0.00146	-0.00355	-0.00146	-0.00533	-0.00219	20.77	10.98	0.0220	16.14	6.64
29	COMB1 MAX	0.00782	0.00140	0.00782	0.00140	0.01173	0.00210	24.59	10.50	0.0220	35.55	6.35
29	COMB1 MIN	-0.00784	-0.00141	-0.00784	-0.00141	-0.01176	-0.00212	24.49	10.62	0.0220	35.62	6.42
29	COMB2 MAX	0.00354	0.00139	0.00354	0.00139	0.00530	0.00208	20.92	8.01	0.0220	16.07	6.30
29	COMB2 MIN	-0.00355	-0.00140	-0.00355	-0.00140	-0.00533	-0.00210	20.77	8.10	0.0220	16.14	6.37
537	COMB1 MAX	0.00393	0.00143	0.00393	0.00143	0.00589	0.00214	8.56	22.13	0.0220	17.86	6.48
537	COMB1 MIN	-0.00394	-0.00144	-0.00394	-0.00144	-0.00591	-0.00216	8.54	22.13	0.0220	17.90	6.53
537	COMB2 MAX	0.00152	0.00145	0.00152	0.00145	0.00228	0.00217	5.31	10.98	0.0220	6.90	6.59
537	COMB2 MIN	-0.00153	-0.00146	-0.00153	-0.00146	-0.00229	-0.00219	5.30	10.98	0.0220	6.94	6.64
561	COMB1 MAX	0.00393	0.00140	0.00393	0.00140	0.00589	0.00210	8.56	10.50	0.0220	17.86	6.35
561	COMB1 MIN	-0.00394	-0.00141	-0.00394	-0.00141	-0.00591	-0.00212	8.54	10.62	0.0220	17.90	6.42
561	COMB2 MAX	0.00152	0.00139	0.00152	0.00139	0.00228	0.00208	5.31	8.01	0.0220	6.90	6.30
561	COMB2 MIN	-0.00153	-0.00140	-0.00153	-0.00140	-0.00229	-0.00210	5.30	8.10	0.0220	6.94	6.37
571	COMB1 MAX	0.00389	0.00199	0.00389	0.00199	0.00584	0.00299	13.76	19.70	0.0220	17.70	9.05
571	COMB1 MIN	-0.00390	-0.00200	-0.00390	-0.00200	-0.00584	-0.00300	13.52	19.60	0.0220	17.70	9.09
571	COMB2 MAX	0.00155	0.00165	0.00155	0.00165	0.00233	0.00248	6.84	12.62	0.0220	7.05	7.51
571	COMB2 MIN	-0.00155	-0.00166	-0.00155	-0.00166	-0.00233	-0.00249	6.70	12.69	0.0220	7.06	7.55
583	COMB1 MAX	0.00389	0.00186	0.00389	0.00186	0.00584	0.00279	13.76	12.09	0.0220	17.70	8.46
583	COMB1 MIN	-0.00390	-0.00188	-0.00390	-0.00188	-0.00584	-0.00281	13.52	11.72	0.0220	17.70	8.52
583	COMB2 MAX	0.00155	0.00150	0.00155	0.00150	0.00233	0.00225	6.84	9.38	0.0220	7.05	6.82
583	COMB2 MIN	-0.00155	-0.00152	-0.00155	-0.00152	-0.00233	-0.00227	6.70	9.07	0.0220	7.06	6.89
1023	COMB1 MAX	0.00687	0.00199	0.00687	0.00199	0.01030	0.00299	20.44	19.70	0.0333	20.61	5.97
1023	COMB1 MIN	-0.00686	-0.00200	-0.00686	-0.00200	-0.01030	-0.00300	20.80	19.60	0.0333	20.59	6.00
1023	COMB2 MAX	0.00307	0.00165	0.00307	0.00165	0.00461	0.00248	19.33	12.62	0.0333	9.22	4.96
1023	COMB2 MIN	-0.00307	-0.00166	-0.00307	-0.00166	-0.00460	-0.00249	20.06	12.69	0.0333	9.21	4.99
1047	COMB1 MAX	0.00687	0.00186	0.00687	0.00186	0.01030	0.00279	20.44	12.09	0.0333	20.61	5.59
1047	COMB1 MIN	-0.00686	-0.00188	-0.00686	-0.00188	-0.01030	-0.00281	20.80	11.72	0.0333	20.59	5.63
1047	COMB2 MAX	0.00307	0.00150	0.00307	0.00150	0.00461	0.00225	19.33	9.38	0.0333	9.22	4.50
1047	COMB2 MIN	-0.00307	-0.00152	-0.00307	-0.00152	-0.00460	-0.00227	20.06	9.07	0.0333	9.21	4.55

ANEXO 4. RESULTADO DEL ANALISIS DE LA VULNERABILIDAD ESTRUCTURAL

Tabla 85. Desplazamientos máximos. (Continuación).

Segundo Nivel												
6	COMB1 MAX	0.02080	0.00360	0.01298	0.00217	0.01947	0.00326	40.81	33.73	0.0220	59.00	16.36
6	COMB1 MIN	-0.02090	-0.00362	-0.01306	-0.00218	-0.01959	-0.00327	40.82	33.63	0.0220	59.38	16.45
6	COMB2 MAX	0.00971	0.00343	0.00617	0.00198	0.00926	0.00297	36.53	15.02	0.0220	28.06	15.60
6	COMB2 MIN	-0.00982	-0.00345	-0.00627	-0.00199	-0.00941	-0.00299	36.67	14.98	0.0220	28.50	15.70
30	COMB1 MAX	0.02080	0.00332	0.01298	0.00192	0.01947	0.00288	40.81	14.43	0.0220	59.00	15.07
30	COMB1 MIN	-0.02090	-0.00338	-0.01306	-0.00197	-0.01959	-0.00295	40.82	14.78	0.0220	59.38	15.35
30	COMB2 MAX	0.00971	0.00302	0.00617	0.00163	0.00926	0.00245	36.53	9.43	0.0220	28.06	13.71
30	COMB2 MIN	-0.00982	-0.00308	-0.00627	-0.00168	-0.00941	-0.00252	36.67	9.71	0.0220	28.50	14.00
538	COMB1 MAX	0.01110	0.00360	0.00717	0.00217	0.01076	0.00326	15.62	33.73	0.0220	32.60	16.36
538	COMB1 MIN	-0.01120	-0.00362	-0.00726	-0.00218	-0.01089	-0.00327	15.75	33.63	0.0220	33.01	16.45
538	COMB2 MAX	0.00440	0.00343	0.00288	0.00198	0.00431	0.00297	10.06	15.02	0.0220	13.07	15.60
538	COMB2 MIN	-0.00443	-0.00345	-0.00290	-0.00199	-0.00435	-0.00299	10.07	14.98	0.0220	13.18	15.70
562	COMB1 MAX	0.01110	0.00332	0.00717	0.00192	0.01076	0.00288	15.62	14.43	0.0220	32.60	15.07
562	COMB1 MIN	-0.01120	-0.00338	-0.00726	-0.00197	-0.01089	-0.00295	15.75	14.78	0.0220	33.01	15.35
562	COMB2 MAX	0.00440	0.00302	0.00288	0.00163	0.00431	0.00245	10.06	9.43	0.0220	13.07	13.71
562	COMB2 MIN	-0.00443	-0.00308	-0.00290	-0.00168	-0.00435	-0.00252	10.07	9.71	0.0220	13.18	14.00
572	COMB1 MAX	0.01090	0.00460	0.00701	0.00261	0.01051	0.00392	24.76	25.87	0.0220	31.85	20.92
572	COMB1 MIN	-0.01100	-0.00463	-0.00711	-0.00263	-0.01066	-0.00394	24.67	25.76	0.0220	32.30	21.03
572	COMB2 MAX	0.00472	0.00381	0.00317	0.00215	0.00475	0.00323	13.95	16.44	0.0220	14.40	17.30
572	COMB2 MIN	-0.00476	-0.00383	-0.00320	-0.00217	-0.00481	-0.00325	13.81	16.55	0.0220	14.56	17.41
584	COMB1 MAX	0.01090	0.00415	0.00701	0.00229	0.01051	0.00343	24.76	14.86	0.0220	31.85	18.87
584	COMB1 MIN	-0.01100	-0.00422	-0.00711	-0.00235	-0.01066	-0.00352	24.67	14.68	0.0220	32.30	19.20
584	COMB2 MAX	0.00472	0.00320	0.00317	0.00170	0.00475	0.00254	13.95	10.59	0.0220	14.40	14.53
584	COMB2 MIN	-0.00476	-0.00327	-0.00320	-0.00175	-0.00481	-0.00263	13.81	10.50	0.0220	14.56	14.85
1024	COMB1 MAX	0.01670	0.00460	0.00983	0.00261	0.01475	0.00392	29.26	25.87	0.0333	29.49	13.81
1024	COMB1 MIN	-0.01670	-0.00463	-0.00984	-0.00263	-0.01475	-0.00394	29.81	25.76	0.0333	29.51	13.88
1024	COMB2 MAX	0.00747	0.00381	0.00440	0.00215	0.00660	0.00323	27.67	16.44	0.0333	13.20	11.42
1024	COMB2 MIN	-0.00743	-0.00383	-0.00436	-0.00217	-0.00654	-0.00325	28.50	16.55	0.0333	13.08	11.49
1048	COMB1 MAX	0.01670	0.00415	0.00983	0.00229	0.01475	0.00343	29.26	14.86	0.0333	29.49	12.45
1048	COMB1 MIN	-0.01670	-0.00422	-0.00984	-0.00235	-0.01475	-0.00352	29.81	14.68	0.0333	29.51	12.67
1048	COMB2 MAX	0.00747	0.00320	0.00440	0.00170	0.00660	0.00254	27.67	10.59	0.0333	13.20	9.59
1048	COMB2 MIN	-0.00743	-0.00327	-0.00436	-0.00175	-0.00654	-0.00263	28.50	10.50	0.0333	13.08	9.80

Tabla 85. Desplazamientos máximos. (Continuación).

Tercer Nivel												
1053	COMB1 MAX	0.03180	0.00644	0.01100	0.00284	0.01650	0.00427	34.59	44.14	0.0220	50.00	29.29
1053	COMB1 MIN	-0.03200	-0.00649	-0.01110	-0.00287	-0.01665	-0.00431	34.69	44.24	0.0220	50.45	29.51
1053	COMB2 MAX	0.01690	0.01320	0.00719	0.00977	0.01079	0.01465	42.56	74.00	0.0220	32.69	60.00
1053	COMB2 MIN	-0.01710	-0.01330	-0.00728	-0.00985	-0.01092	-0.01477	42.57	74.04	0.0220	33.09	60.45
31	COMB1 MAX	0.03180	0.01330	0.01100	0.00998	0.01650	0.01498	34.59	75.07	0.0220	50.00	60.45
31	COMB1 MIN	-0.03200	-0.01330	-0.01110	-0.00992	-0.01665	-0.01488	34.69	74.60	0.0220	50.45	60.45
31	COMB2 MAX	0.01690	0.01730	0.00719	0.01428	0.01079	0.02142	42.56	82.56	0.0220	32.69	78.64
31	COMB2 MIN	-0.01710	-0.01730	-0.00728	-0.01422	-0.01092	-0.02133	42.57	82.20	0.0220	33.09	78.64
539	COMB1 MAX	0.04590	0.00644	0.03480	0.00284	0.05220	0.00427	75.82	44.14	0.0220	158.18	29.29
539	COMB1 MIN	-0.04610	-0.00649	-0.03490	-0.00287	-0.05235	-0.00431	75.70	44.24	0.0220	158.64	29.51
539	COMB2 MAX	0.02860	0.01320	0.02421	0.00977	0.03631	0.01465	84.63	74.00	0.0220	110.02	60.00
539	COMB2 MIN	-0.02880	-0.01330	-0.02437	-0.00985	-0.03656	-0.01477	84.63	74.04	0.0220	110.79	60.45
563	COMB1 MAX	0.04590	0.01330	0.03480	0.00998	0.05220	0.01498	75.82	75.07	0.0220	158.18	60.45
563	COMB1 MIN	-0.04610	-0.01330	-0.03490	-0.00992	-0.05235	-0.01488	75.70	74.60	0.0220	158.64	60.45
563	COMB2 MAX	0.02860	0.01730	0.02421	0.01428	0.03631	0.02142	84.63	82.56	0.0220	110.02	78.64
563	COMB2 MIN	-0.02880	-0.01730	-0.02437	-0.01422	-0.03656	-0.02133	84.63	82.20	0.0220	110.79	78.64
1062	COMB1 MAX	0.02830	0.01010	0.01740	0.00550	0.02610	0.00825	61.48	54.43	0.0220	79.09	45.91
1062	COMB1 MIN	-0.02880	-0.01020	-0.01780	-0.00557	-0.02670	-0.00836	61.81	54.64	0.0220	80.91	46.36
1062	COMB2 MAX	0.02270	0.01310	0.01798	0.00929	0.02697	0.01394	79.21	70.95	0.0220	81.73	59.55
1062	COMB2 MIN	-0.02320	-0.01310	-0.01844	-0.00927	-0.02766	-0.01391	79.49	70.76	0.0220	83.83	59.55
585	COMB1 MAX	0.02830	0.01540	0.01740	0.01125	0.02610	0.01687	61.48	73.05	0.0220	79.09	70.00
585	COMB1 MIN	-0.02880	-0.01600	-0.01780	-0.01178	-0.02670	-0.01766	61.81	73.60	0.0220	80.91	72.73
585	COMB2 MAX	0.02270	0.01600	0.01798	0.01280	0.02697	0.01921	79.21	80.03	0.0220	81.73	72.73
585	COMB2 MIN	-0.02320	-0.01670	-0.01844	-0.01343	-0.02766	-0.02015	79.49	80.43	0.0220	83.83	75.91
1072	COMB1 MAX	0.03360	0.01010	0.01690	0.00550	0.02535	0.00825	50.30	54.43	0.0333	50.70	30.30
1072	COMB1 MIN	-0.03300	-0.01020	-0.01630	-0.00557	-0.02445	-0.00836	49.39	54.64	0.0333	48.90	30.60
1072	COMB2 MAX	0.01590	0.01310	0.00843	0.00929	0.01264	0.01394	52.99	70.95	0.0333	25.28	39.30
1072	COMB2 MIN	-0.01530	-0.01310	-0.00787	-0.00927	-0.01181	-0.01391	51.44	70.76	0.0333	23.61	39.30
1049	COMB1 MAX	0.03360	0.01540	0.01690	0.01125	0.02535	0.01687	50.30	73.05	0.0333	50.70	46.20
1049	COMB1 MIN	-0.03300	-0.01600	-0.01630	-0.01178	-0.02445	-0.01766	49.39	73.60	0.0333	48.90	48.00
1049	COMB2 MAX	0.01590	0.01600	0.00843	0.01280	0.01264	0.01921	52.99	80.03	0.0333	25.28	48.00
1049	COMB2 MIN	-0.01530	-0.01670	-0.00787	-0.01343	-0.01181	-0.02015	51.44	80.43	0.0333	23.61	50.10

Tabla 86. Solicitaciones extremas en los tímpanos transversales (PN-11). Capacidad resistente del elemento 1466,5 kN.

PISO	EJE TRANSVERSAL	CRUJÍA	COMBINACIÓN 1 (KN)	COMBINACIÓN 2 (KN)	% DE LA CAPACIDAD DEL ELEMENTO
2	2	C-D	-3025.51	-1431.24	206.31
	13	C-D	-1911.82	-788.33	130.37
	17	A-B	-1670.92	-737.54	113.94
	25	D-E	-1984.28	-862.83	135.31
	27	F-G	-2192.69	-1041.55	149.52
	28	A-B	-2298.07	-1038.4	156.70
3	1	A-B	-2545.75	-1706.03	173.59
		F-G	-2551.90	-1707.76	174.01
	5	A-B	-3648.83	-1539.8	248.81
	7	A-B	-4394.86	-2288.93	299.68
	14	A-B	-7547.37	-5371.26	514.65
	18	A-B	-3657.55	-3298.41	249.41
	20	A-B	-3135.94	-2386.84	213.84
	22	B-C	-2896.63	-1841.66	197.52
	25	F-G	-3057.76	-1269.12	208.51
	28	F-G	-3726.84	-2149.42	254.13

**Tabla 87. Solicitaciones extremas en los tímpanos longitudinales (PN-21 SR).
Capacidad resistente del elemento 1805,8 kN.**

PISO	EJE LONGITUDINAL	LUZ	COMBINACIÓN 1 (KN)	COMBINACIÓN 2 (KN)	% DE LA CAPACIDAD DEL ELEMENTO	
					COMB 1	COMB 2
2	A	5-6	-722.20	-557.84	39.99	30,89
		16-17	-737.25	-537.26	40.83	29,75
	B	4-5	-578.27	-503.81	32.02	27,90
		14-15	-360.79	-497.34	19.98	27,54
		27-28	-369.08	-414.86	20.44	22,97
	C	11-12	-288.14	-415.90	15.96	23,03
	E	4-5	-326.20	-405.12	18.06	22,43
	F	6-7	-463.49	-510.14	25.67	28,25
	G	10-11	-669.58	-722.32	37.08	40,00
		19-20	-635.03	-558.74	35.17	30,94
		24-25	-1073.56	-753.72	59.45	41,74
3	B	10-11	-2914.02	-3623.83	161.37	200,67
		20-21	-2362.44	-3000.96	130.82	166,18
	C	27-28	-1949.11	-2710.47	107.93	150,09
	D	3-4	-1942.52	-2975.56	107.57	164,77
	E	3-4	-1780.24	-3215.19	98.58	178,04
		4-5	-1785.79	-3224.45	98.89	178,56
		18-19	-1049.01	-2126.27	58.09	117,74
	F	25-26	-1248.76	-2168.02	69.15	120,06
		27-28	-1085.86	-2190.79	60.13	121,32
	G	9-10	-1611.67	-2972.78	89.25	164,62
		16-17	-1493.25	-2482.28	82.69	137,46
		19-20	-1389.92	-2422.37	79.97	134,14

Tabla 88. Cortantes Totales en la base de los Elementos H.

Elem.	Local.	Valores Máximos				Valores Mínimos			
		Combinación 1		Combinación 2		Combinación 1		Combinación 2	
		V2	V3	V2	V3	V2	V3	V2	V3
40001	0.00	6499.98	2580.71	2827.26	4335.38	-6526.00	-2615.96	-2853.28	-4370.63
	2.80	6499.98	2580.71	2827.26	4335.38	-6526.00	-2615.96	-2853.28	-4370.63
40002	0.00	6502.02	2014.34	2829.76	4172.95	-6524.42	-1982.37	-2852.16	-4140.98
	2.80	6502.02	2014.34	2829.76	4172.95	-6524.42	-1982.37	-2852.16	-4140.98
40003	0.00	5395.46	1982.33	2267.08	4140.97	-5422.34	-2014.30	-2293.97	-4172.94
	2.80	5395.46	1982.33	2267.08	4140.97	-5422.34	-2014.30	-2293.97	-4172.94
40004	0.00	5398.06	2704.13	2270.35	4379.55	-5419.60	-2675.45	-2291.89	-4350.87
	2.80	5398.06	2704.13	2270.35	4379.55	-5419.60	-2675.45	-2291.89	-4350.87
40005	0.00	4604.98	2580.71	1867.01	4335.38	-4632.51	-2615.96	-1894.54	-4370.63
	2.80	4604.98	2580.71	1867.01	4335.38	-4632.51	-2615.96	-1894.54	-4370.63
40006	0.00	4607.92	2014.34	1870.81	4172.95	-4628.81	-1982.37	-1891.70	-4140.98
	2.80	4607.92	2014.34	1870.81	4172.95	-4628.81	-1982.37	-1891.70	-4140.98
40007	0.00	3870.55	1982.33	1502.92	4140.97	-3898.73	-2014.30	-1531.10	-4172.94
	2.80	3870.55	1982.33	1502.92	4140.97	-3898.73	-2014.30	-1531.10	-4172.94
40008	0.00	3873.70	2704.13	1507.16	4379.55	-3893.95	-2675.45	-1527.40	-4350.87
	2.80	3873.70	2704.13	1507.16	4379.55	-3893.95	-2675.45	-1527.40	-4350.87
40009	0.00	3539.08	1914.43	1337.19	4248.03	-3557.24	-1726.82	-1355.34	-4060.41
	2.80	3539.08	1914.43	1337.19	4248.03	-3557.24	-1726.82	-1355.34	-4060.41
400010	0.00	3527.35	3149.27	1325.85	4478.71	-3569.90	-3310.10	-1368.40	-4639.53
	2.80	3527.35	3149.27	1325.85	4478.71	-3569.90	-3310.10	-1368.40	-4639.53
400011	0.00	3836.83	3352.81	1508.16	4548.40	-3858.54	-3371.14	-1529.88	-4566.73
	2.80	3836.83	3352.81	1508.16	4548.40	-3858.54	-3371.14	-1529.88	-4566.73
400012	0.00	3832.45	1765.04	1505.02	4030.79	-3859.16	-1751.37	-1531.73	-4017.12
	2.80	3832.45	1765.04	1505.02	4030.79	-3859.16	-1751.37	-1531.73	-4017.12
400013	0.00	4594.39	1751.45	1926.72	4017.17	-4617.29	-1765.11	-1949.62	-4030.83
	2.80	4594.39	1751.45	1926.72	4017.17	-4617.29	-1765.11	-1949.62	-4030.83
400014	0.00	4590.79	3119.02	1924.42	4419.29	-4616.31	-3110.02	-1949.94	-4410.29
	2.80	4590.79	3119.02	1924.42	4419.29	-4616.31	-3110.02	-1949.94	-4410.29
400015	0.00	5617.21	3352.81	2456.59	4548.40	-5641.30	-3371.14	-2480.67	-4566.73
	2.80	5617.21	3352.81	2456.59	4548.40	-5641.30	-3371.14	-2480.67	-4566.73
400016	0.00	5614.64	1765.04	2455.33	4030.79	-5638.97	-1751.37	-2479.67	-4017.12
	2.80	5614.64	1765.04	2455.33	4030.79	-5638.97	-1751.37	-2479.67	-4017.12
Totales		75905.41	38732.89	31381.63	68379.28	-76305.07	-38733.23	-31781.29	-68379.60