

Tabla 51. Chequeo de la resistencia de las secciones de los pedestales de 60 x 60. Edificio 1. Bloque de Hospitalizados 2. Combinación CPCTCSX.

PEDESTAL	M*	N*	b (cm)	h (cm)	R'b* (KN/cm ²)	η_i	m_i
6	624.57	-1306.20	60.00	52.73	1.50	0.28	0.25
16	965.23	-3009.06	60.00	52.73	1.50	0.63	0.39
31	624.57	-2891.67	60.00	52.73	1.50	0.61	0.25
41	542.90	-1610.44	60.00	52.73	1.50	0.34	0.22
56	839.01	-2320.77	60.00	52.73	1.50	0.49	0.34
66	542.90	-2428.16	60.00	52.73	1.50	0.51	0.22
81	468.66	-1556.39	60.00	52.73	1.50	0.33	0.19
91	724.27	-2422.23	60.00	52.73	1.50	0.51	0.29
106	468.66	-1897.51	60.00	52.73	1.50	0.40	0.19
116	406.84	-1898.99	60.00	52.73	1.50	0.40	0.16
131	628.74	-1450.80	60.00	52.73	1.50	0.31	0.25
141	406.84	-1808.20	60.00	52.73	1.50	0.38	0.16
156	365.18	-998.19	60.00	52.73	1.50	0.21	0.15
166	351.53	-2085.54	60.00	52.73	1.50	0.44	0.14
181	543.26	-2230.00	60.00	52.73	1.50	0.47	0.22
191	351.53	-1388.65	60.00	52.73	1.50	0.29	0.14
206	367.04	-1087.45	60.00	52.73	1.50	0.23	0.15
216	567.23	-1622.02	60.00	52.73	1.50	0.34	0.23
231	367.04	-2461.39	60.00	52.73	1.50	0.52	0.15
241	405.29	-2539.19	60.00	52.73	1.50	0.54	0.16
256	626.35	-2382.42	60.00	52.73	1.50	0.50	0.25
266	405.29	-2315.79	60.00	52.73	1.50	0.49	0.16
281	626.35	-2412.36	60.00	52.73	1.50	0.51	0.25
291	405.29	-1006.62	60.00	52.73	1.50	0.21	0.16
306	458.90	-1349.79	60.00	52.73	1.50	0.28	0.18
316	709.19	-1727.50	60.00	52.73	1.50	0.36	0.28

Tabla 52. Chequeo de la resistencia de las secciones de los pedestales de 70 x 60. Edificio 1. Bloque de Hospitalizados 2. Combinación CPCTCSX.

PEDESTAL	M*	N*	b (cm)	h (cm)	R'b* (KN/cm ²)	η_i	m_i
11	965.23	-3009.06	60.00	62.73	1.50	0.53	0.27
36	839.01	-2320.77	60.00	62.73	1.50	0.41	0.24
61	724.27	-2422.23	60.00	62.73	1.50	0.43	0.20
86	628.74	-1450.8	60.00	62.73	1.50	0.26	0.18
111	351.53	-2085.54	60.00	62.73	1.50	0.37	0.10
136	367.04	-1087.45	60.00	62.73	1.50	0.19	0.10
161	405.29	-2539.19	60.00	62.73	1.50	0.45	0.11
186	626.35	-2412.36	60.00	62.73	1.50	0.43	0.18
211	709.19	-1727.50	60.00	62.73	1.50	0.31	0.20
236	808.17	-1988.76	60.00	62.73	1.50	0.35	0.23
261	918.89	-2530.25	60.00	62.73	1.50	0.45	0.26
286	-1038.59	-2674.98	60.00	62.73	1.50	0.47	0.29
311	-1165.26	-2680.23	60.00	62.73	1.50	0.47	0.33

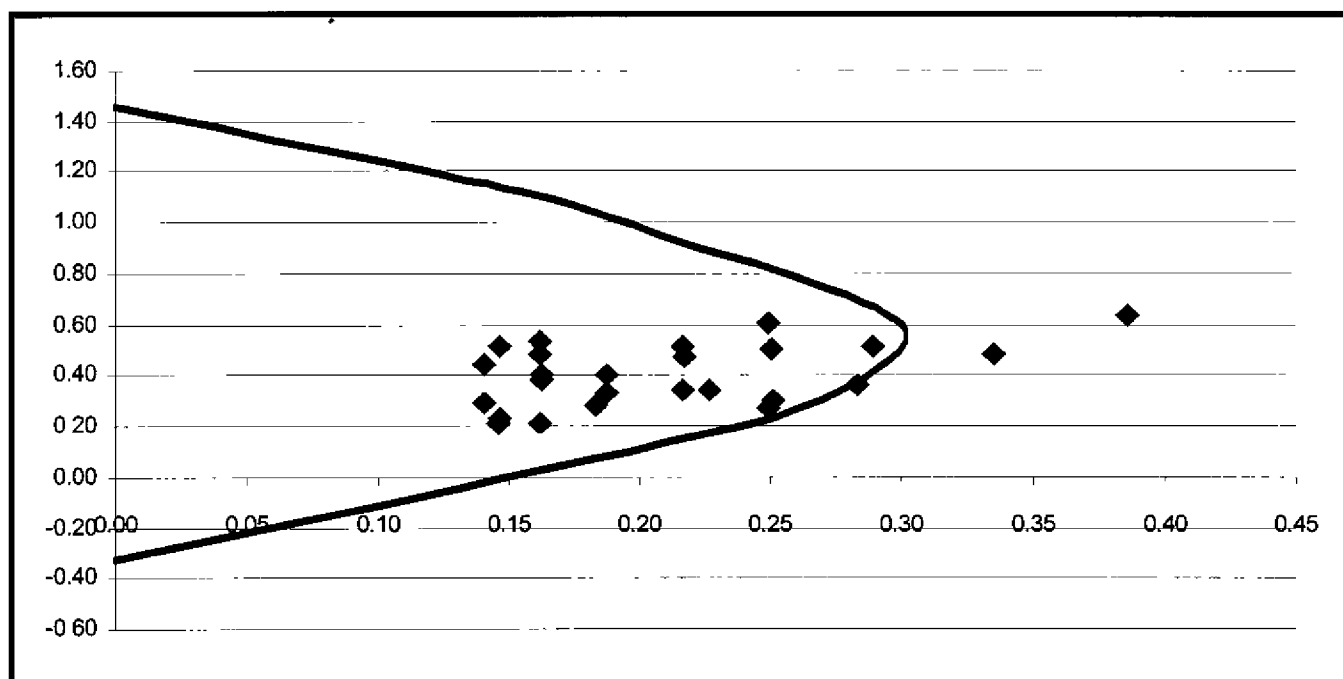


Figura 21. Diagrama de interacción. Pedestal 60 x 60.

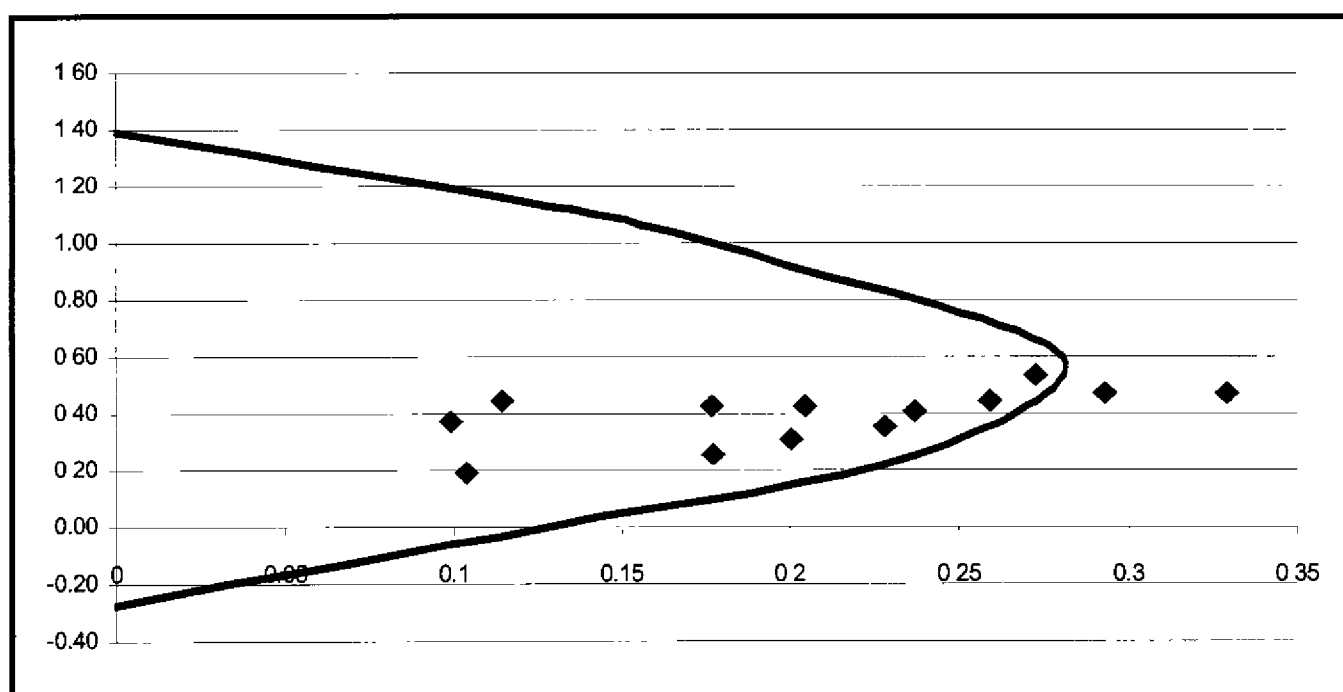


Figura 22. Diagrama de Interacción. Pedestal 70 x 60.

Tabla 53. Chequeo de la resistencia de las secciones de los pedestales de 60 x 35. Edificio 1. Bloque de Hospitalizados 2. Combinación CPCTCSX.

PEDESTAL	M*	N*	b (cm)	h (cm)	R'b* (KN/cm ²)	η_l	m_l
331	-489.68	-1186.57	35.00	52.00	1.50	0.43	0.34
336	-489.68	-3367.78	35.00	52.00	1.50	1.23	0.34
341	-489.68	-2975.85	35.00	52.00	1.50	1.09	0.34

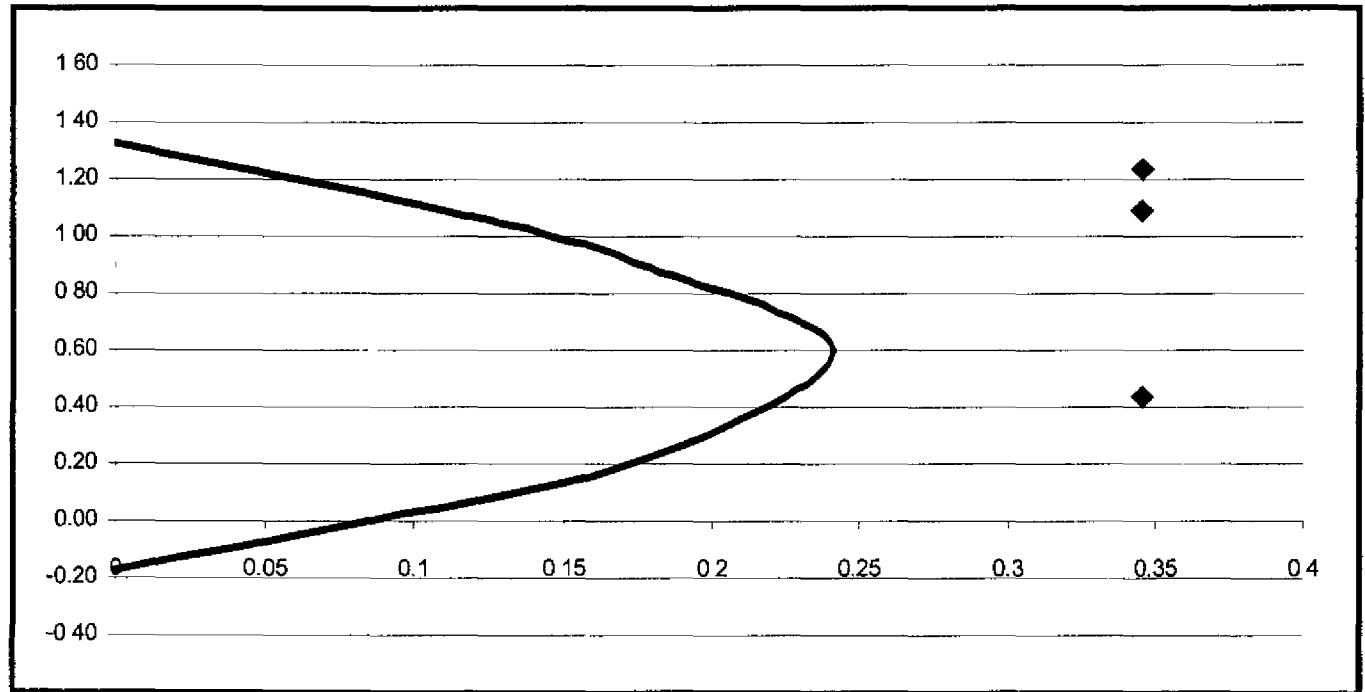


Figura 23. Diagrama de Interacción. Pedestal 60 x 35.

Tabla 54. Chequeo de la resistencia de las secciones de las columnas de 60 x 35. Edificio 1. Bloque de Hospitalizados 2. Combinación CPCTCSX.

COLUMNA	M*	N*	b (cm)	h (cm)	R'b* (KN/cm ²)	η_i	m_i
7	-138.05	-1210.86	35.00	52.00	1.50	0.44	0.10
12	-152.713	-2818.56	35.00	52.00	1.50	1.03	0.11
17	132.14	-2006.25	35.00	52.00	1.50	0.73	0.09
32	-177.93	-1481.53	35.00	52.00	1.50	0.54	0.13
37	-197.4	-1249.46	35.00	52.00	1.50	0.46	0.14
42	170.98	-1859.66	35.00	52.00	1.50	0.68	0.12
57	-166.49	-2101.13	35.00	52.00	1.50	0.77	0.12
62	-183.06	-2148.23	35.00	52.00	1.50	0.79	0.13
67	-161.55	-1739.50	35.00	52.00	1.50	0.64	0.11
82	-155.34	-1764.38	35.00	52.00	1.50	0.65	0.11
87	-167.43	-1176.19	35.00	52.00	1.50	0.43	0.12
92	153.42	-1049.06	35.00	52.00	1.50	0.38	0.11
107	-148.16	-859.21	35.00	52.00	1.50	0.31	0.10
112	-152.96	-1811.32	35.00	52.00	1.50	0.66	0.11
117	143.17	-1734.67	35.00	52.00	1.50	0.64	0.10
132	-141.47	-1244.87	35.00	52.00	1.50	0.46	0.10
137	-144.34	-1176.67	35.00	52.00	1.50	0.43	0.10
142	140.56	-1486.97	35.00	52.00	1.50	0.54	0.10
157	-140.56	-2319.28	35.00	52.00	1.50	0.85	0.10
162	-138.84	-2264.73	35.00	52.00	1.50	0.83	0.10
167	134.8	-1648.11	35.00	52.00	1.50	0.60	0.09
182	-142.02	-2184.47	35.00	52.00	1.50	0.80	0.10
187	-140.73	-1551.70	35.00	52.00	1.50	0.57	0.10
192	135.95	-1292.79	35.00	52.00	1.50	0.47	0.10
207	-143.93	-1207.69	35.00	52.00	1.50	0.44	0.10
212	-147.08	-1453.01	35.00	52.00	1.50	0.53	0.10
217	141.80	-1231.36	35.00	52.00	1.50	0.45	0.10
232	-150.12	-917.98	35.00	52.00	1.50	0.34	0.11
237	156.83	-1714.43	35.00	52.00	1.50	0.63	0.11
242	146.93	-1869.28	35.00	52.00	1.50	0.68	0.10
257	-158.36	-1046.58	35.00	52.00	1.50	0.38	0.11
262	169.43	-1570.00	35.00	52.00	1.50	0.58	0.12
267	153.69	-2051.07	35.00	52.00	1.50	0.75	0.11
282	-167.08	-2081.19	35.00	52.00	1.50	0.76	0.12
287	183.83	-2400.30	35.00	52.00	1.50	0.88	0.13
292	162.28	-605.52	35.00	52.00	1.50	0.22	0.11
307	-176.88	-1254.18	35.00	52.00	1.50	0.46	0.12
312	195.83	-2406.01	35.00	52.00	1.50	0.88	0.14
317	170.70	-1988.54	35.00	52.00	1.50	0.73	0.12
332	-138.40	-1090.99	35.00	52.00	1.50	0.40	0.10
337	148.81	-2428.05	35.00	52.00	1.50	0.89	0.10
342	128.70	-2979.14	35.00	52.00	1.50	1.09	0.09

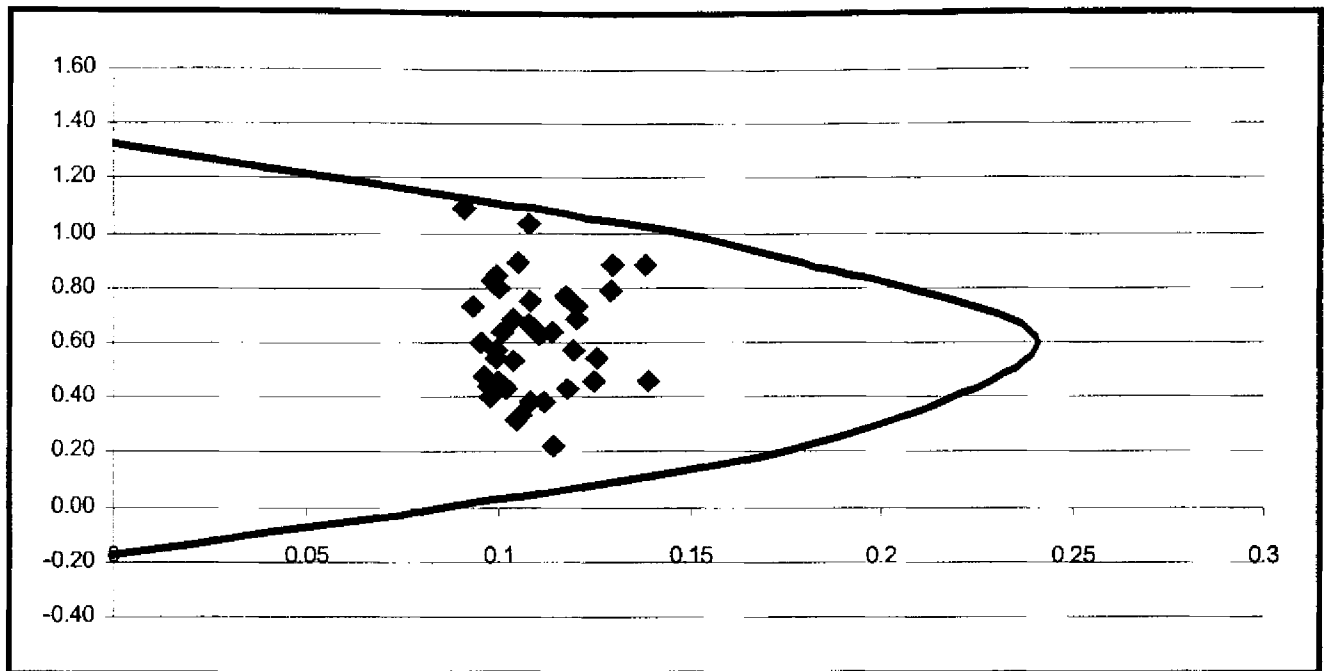


Figura 24. Diagrama de Interacción. Columna 60 x 35.

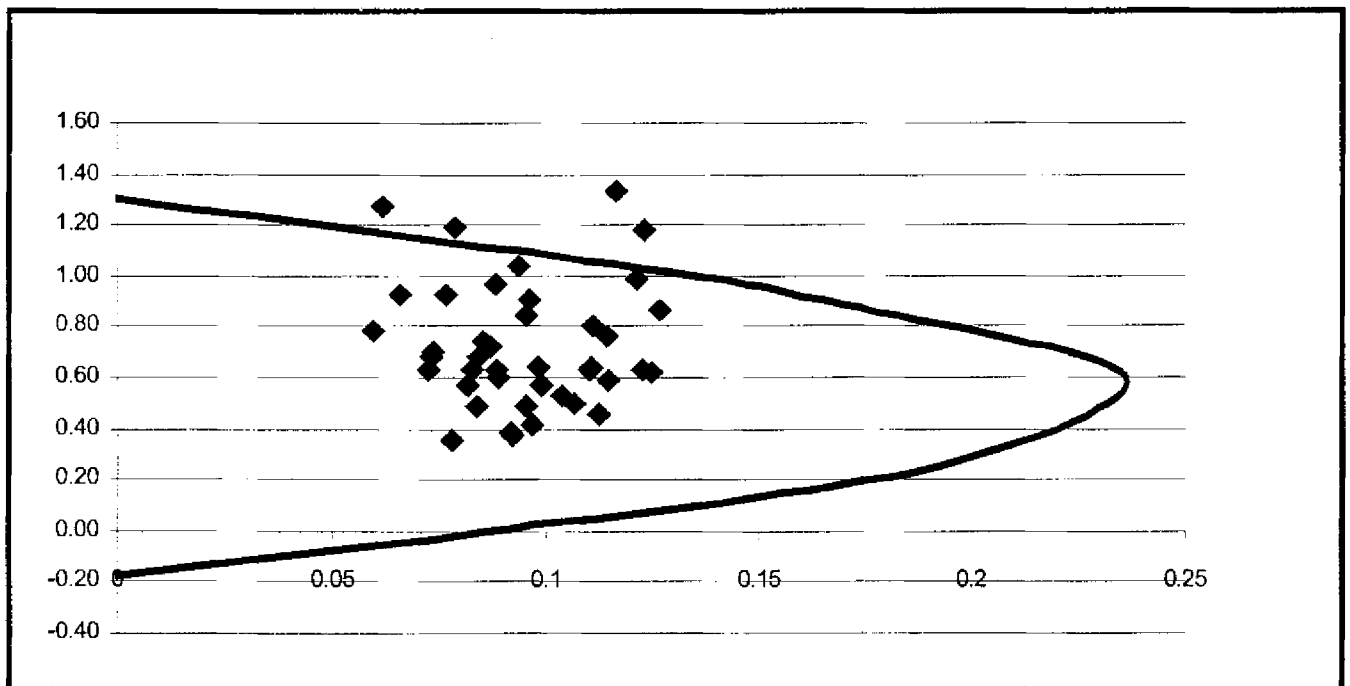


Figura 25. Diagrama de Interacción. Columna 40 x 30.

Tabla 55. Chequeo de la resistencia de las secciones de las columnas de 30 x 40. Edificio 1. Bloque de Hospitalizados 2. Combinación CPCTCSX.

COLUMNA	M*	N*	b (cm)	h (cm)	R'b* (KN/cm ²)	η_i	m_i
8	55.64	-1029.19	30.00	35.50	1.50	0.64	0.10
13	-69.59	-1881.19	30.00	35.50	1.50	1.18	0.12
18	-41.67	-1125.32	30.00	35.50	1.50	0.70	0.07
33	64.79	-1224.61	30.00	35.50	1.50	0.77	0.11
38	-70.61	-986.16	30.00	35.50	1.50	0.62	0.12
43	-58.74	-845.55	30.00	35.50	1.50	0.53	0.10
58	62.61	-1019.43	30.00	35.50	1.50	0.64	0.11
63	-62.91	-1280.19	30.00	35.50	1.50	0.80	0.11
68	-52.89	-1651.92	30.00	35.50	1.50	1.03	0.09
83	53.97	-1345.43	30.00	35.50	1.50	0.84	0.10
88	-56.00	-915.63	30.00	35.50	1.50	0.57	0.10
93	-53.98	-786.75	30.00	35.50	1.50	0.49	0.10
108	52.23	-603.83	30.00	35.50	1.50	0.38	0.09
113	-49.79	-1551.71	30.00	35.50	1.50	0.97	0.09
118	-46.71	-1006.81	30.00	35.50	1.50	0.63	0.08
133	47.66	-1090.44	30.00	35.50	1.50	0.68	0.08
138	-46.20	-916.09	30.00	35.50	1.50	0.57	0.08
143	-47.44	-783.14	30.00	35.50	1.50	0.49	0.08
158	49.33	-1150.35	30.00	35.50	1.50	0.72	0.09
163	-43.30	-1480.7	30.00	35.50	1.50	0.93	0.08
168	-40.97	-1010.03	30.00	35.50	1.50	0.63	0.07
183	50.15	-1006.62	30.00	35.50	1.50	0.63	0.09
188	-44.53	-1897.02	30.00	35.50	1.50	1.19	0.08
193	-41.33	-1095.79	30.00	35.50	1.50	0.69	0.07
208	50.22	-952.77	30.00	35.50	1.50	0.60	0.09
213	-48.20	-1192	30.00	35.50	1.50	0.75	0.08
218	-44.11	-571.75	30.00	35.50	1.50	0.36	0.08
233	54.90	-657.75	30.00	35.50	1.50	0.41	0.10
238	-54.35	-1450.24	30.00	35.50	1.50	0.91	0.10
243	-33.70	-1258.84	30.00	35.50	1.50	0.79	0.06
258	60.33	-797.18	30.00	35.50	1.50	0.50	0.11
263	-63.70	-731.31	30.00	35.50	1.50	0.46	0.11
268	62.51	-1008.76	30.00	35.50	1.50	0.63	0.11
283	64.85	-941.65	30.00	35.50	1.50	0.59	0.11
288	-65.89	-2133.5	30.00	35.50	1.50	1.34	0.12
293	-37.27	-1481.65	30.00	35.50	1.50	0.93	0.07
308	69.54	-1008.43	30.00	35.50	1.50	0.63	0.12
313	-71.78	-1388.27	30.00	35.50	1.50	0.87	0.13
318	-51.93	-619.73	30.00	35.50	1.50	0.39	0.09
333	55.96	-905.97	30.00	35.50	1.50	0.57	0.10
338	-68.66	-1582.74	30.00	35.50	1.50	0.99	0.12
343	-35.03	-2037.22	30.00	35.50	1.50	1.28	0.06

Tabla 56. Chequeo de la resistencia de las secciones de los pedestales de 60 x 60. Edificio 1. Bloque de Hospitalizados 2. Combinación CPCTCSY.

PEDESTAL	M*	N*	b (cm)	h (cm)	R'b* (KN/cm ²)	η_i	m_i
6	770.30	-1273.17	60.00	52.73	1.50	0.27	0.31
16	770.30	-3698.20	60.00	52.73	1.50	0.78	0.31
31	700.51	-1554.98	60.00	52.73	1.50	0.33	0.28
41	700.51	-2495.84	60.00	52.73	1.50	0.53	0.28
56	634.79	-1563.70	60.00	52.73	1.50	0.33	0.25
66	634.79	-2401.01	60.00	52.73	1.50	0.51	0.25
81	575.19	-1946.47	60.00	52.73	1.50	0.41	0.23
91	575.19	-1926.24	60.00	52.73	1.50	0.41	0.23
106	524.71	-1032.97	60.00	52.73	1.50	0.22	0.21
116	524.71	-2391.17	60.00	52.73	1.50	0.50	0.21
131	486.64	-1321.42	60.00	52.73	1.50	0.28	0.19
141	486.34	-1665.18	60.00	52.73	1.50	0.35	0.19
156	-462.50	-2272.44	60.00	52.73	1.50	0.48	0.18
166	-462.50	-2801.99	60.00	52.73	1.50	0.59	0.18
181	451.70	-2176.04	60.00	52.73	1.50	0.46	0.18
191	451.70	-2443.27	60.00	52.73	1.50	0.51	0.18
206	453.42	-1296.59	60.00	52.73	1.50	0.27	0.18
216	453.42	-1431.00	60.00	52.73	1.50	0.30	0.18
231	467.27	-1067.28	60.00	52.73	1.50	0.22	0.19
241	467.27	-1574.93	60.00	52.73	1.50	0.33	0.19
256	-492.88	-1165.57	60.00	52.73	1.50	0.25	0.20
266	-492.88	-1856.03	60.00	52.73	1.50	0.39	0.20
281	529.35	-2092.50	60.00	52.73	1.50	0.44	0.21
291	529.35	-2080.94	60.00	52.73	1.50	0.44	0.21
306	-575.24	-1342.98	60.00	52.73	1.50	0.28	0.23
316	-575.24	-2512.14	60.00	52.73	1.50	0.53	0.23

Tabla 57. Chequeo de la resistencia de las secciones de los pedestales de 70 x 60. Edificio 1. Bloque de Hospitalizados 2. Combinación CPCTCSY.

PEDESTAL	M*	N*	b (cm)	h (cm)	R'b* (KN/cm ²)	η_i	m_i
11	1190.43	-3802.98	70.00	52.73	1.50	0.69	0.41
36	1082.58	-2665.38	70.00	52.73	1.50	0.48	0.37
61	981.02	-2951.57	70.00	52.73	1.50	0.53	0.34
86	888.90	-1549.55	70.00	52.73	1.50	0.28	0.30
111	810.90	-2543.52	70.00	52.73	1.50	0.46	0.28
136	752.07	-1506.35	70.00	52.73	1.50	0.27	0.26
161	-714.75	-2943.88	70.00	52.73	1.50	0.53	0.24
186	-698.07	-2581.36	70.00	52.73	1.50	0.47	0.24
211	-700.72	-1774.68	70.00	52.73	1.50	0.32	0.24
236	722.14	-1905.79	70.00	52.73	1.50	0.34	0.25
261	-761.71	-2413.13	70.00	52.73	1.50	0.44	0.26
286	-818.06	-2092.5	70.00	52.73	1.50	0.38	0.28
311	-888.99	-2367.14	70.00	52.73	1.50	0.43	0.30

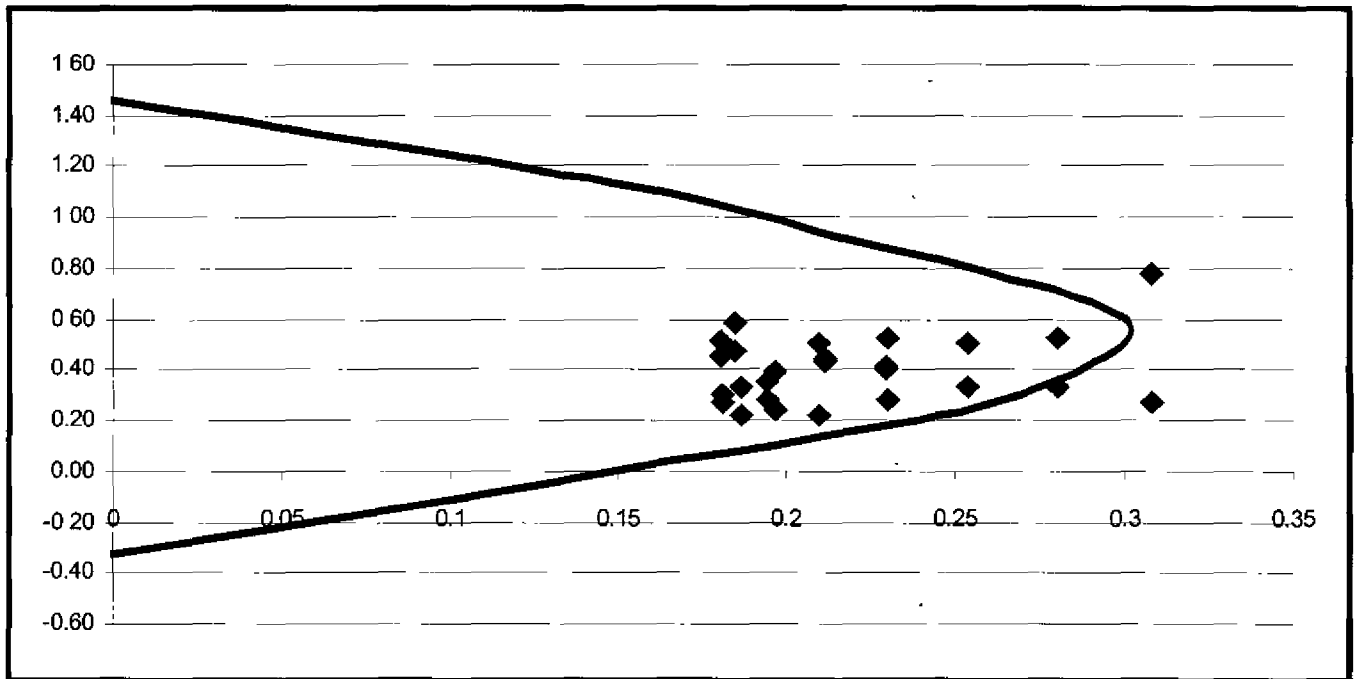


Figura 26. Diagrama de Interacción. Pedestal 60 x 60.

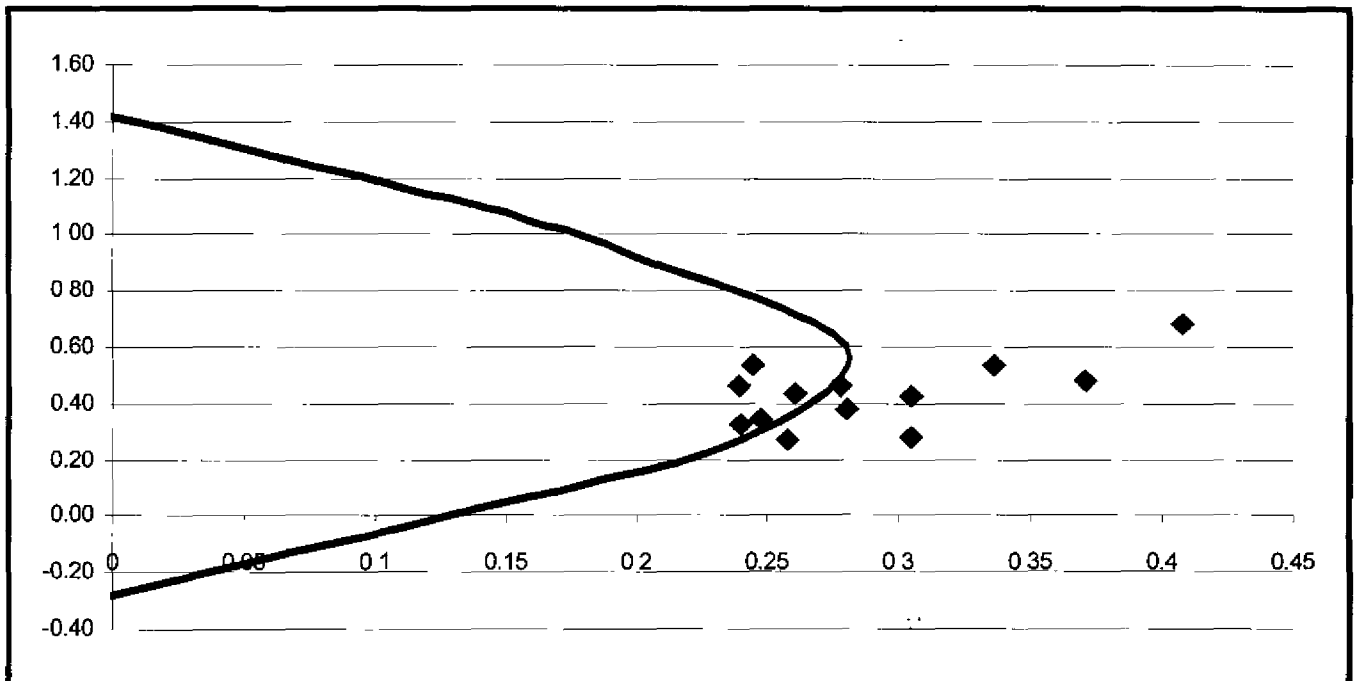


Figura 27. Diagrama de Interacción. Pedestal 70 x 60.

Tabla 58. Chequeo de la resistencia de las secciones de los pedestales de 60 x 35. Edificio 1. Bloque de Hospitalizados 2. Combinación CPCTCSY.

PEDESTAL	M*	N*	b (cm)	h (cm)	R'b* (KN/cm ²)	η_i	m_i
331	-336.85	-1146.34	60.00	27.00	1.50	0.47	0.51
336	-366.85	-2856.07	60.00	27.00	1.50	1.18	0.56
341	-366.85	-2354.88	60.00	27.00	1.50	0.97	0.56

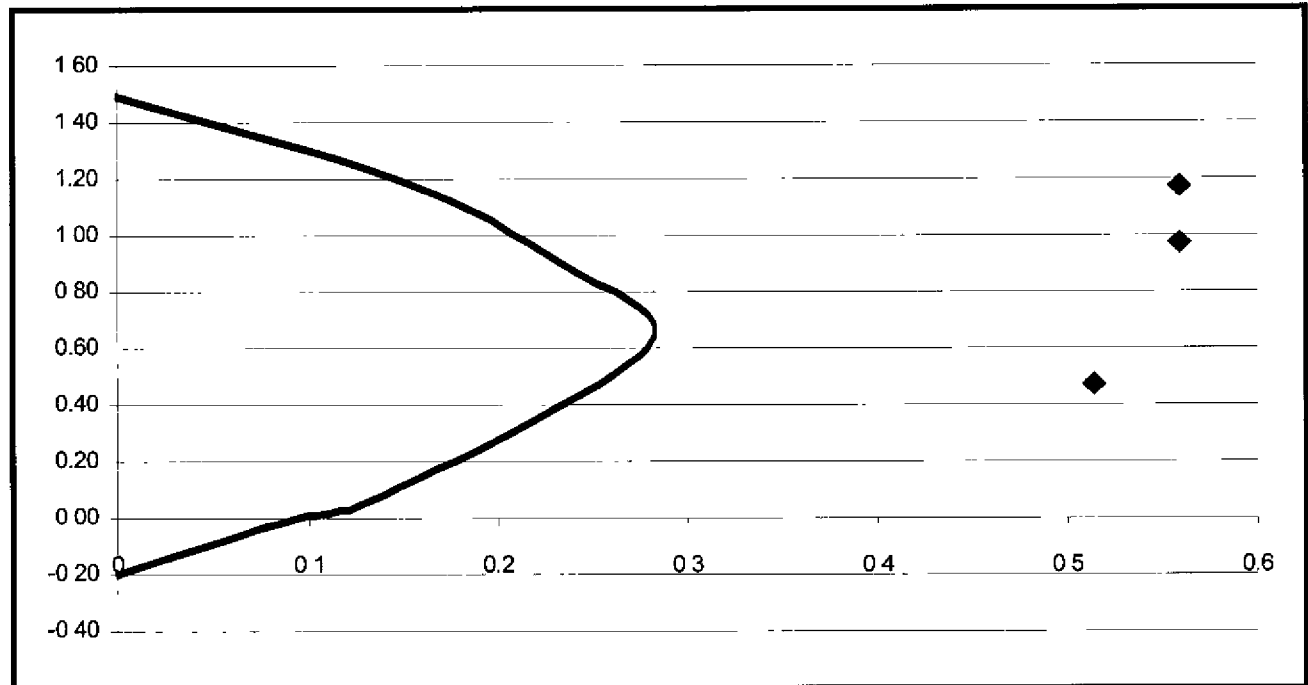


Figura 28. Diagrama de Interacción. Pedestal 60 x 35.

Tabla 59. Chequeo de la resistencia de las secciones de las columnas de 60 x 35. Edificio 1. Bloque de Hospitalizados 2. Combinación CPCTCSY.

COLUMNA	M*	N*	b (cm)	h (cm)	R'b* (KN/cm ²)	η_i	m_i
7	46.64	-1166.01	60.00	27.00	1.50	0.48	0.07
12	-190.22	-3612.4	60.00	27.00	1.50	1.49	0.29
17	150.9	-2548.49	60.00	27.00	1.50	1.05	0.23
32	-212.19	-1408.04	60.00	27.00	1.50	0.58	0.32
37	-253.69	-1331.93	60.00	27.00	1.50	0.55	0.39
42	204.59	-2220.73	60.00	27.00	1.50	0.91	0.31
57	-202.36	-1928.46	60.00	27.00	1.50	0.79	0.31
62	-241.19	-2677.79	60.00	27.00	1.50	1.10	0.37
67	194.65	-2232.76	60.00	27.00	1.50	0.92	0.30
82	-189.17	-1796.74	60.00	27.00	1.50	0.74	0.29
87	-224.30	-1274.95	60.00	27.00	1.50	0.52	0.34
92	186.73	-1160.1	60.00	27.00	1.50	0.48	0.28
107	-181.25	-878.04	60.00	27.00	1.50	0.36	0.28
112	-207.6	-2269.35	60.00	27.00	1.50	0.93	0.32
117	174.79	-2203.17	60.00	27.00	1.50	0.91	0.27
132	-171.15	-1184.34	60.00	27.00	1.50	0.49	0.26
137	-193.61	-1231.85	60.00	27.00	1.50	0.51	0.30
142	169.14	-1516.02	60.00	27.00	1.50	0.62	0.26
157	-165.76	-2138.04	60.00	27.00	1.50	0.88	0.25
162	-179.96	-2669.83	60.00	27.00	1.50	1.10	0.27
167	157.88	-1904.16	60.00	27.00	1.50	0.78	0.24
182	-159.34	-2037.71	60.00	27.00	1.50	0.84	0.24
187	-176.19	-1598.51	60.00	27.00	1.50	0.66	0.27
192	153.47	-2067.85	60.00	27.00	1.50	0.85	0.23
207	-153.71	-1157.59	60.00	27.00	1.50	0.48	0.23
212	163.29	-1500.25	60.00	27.00	1.50	0.62	0.25
217	151.3	-1271.83	60.00	27.00	1.50	0.52	0.23
232	-150.82	-911.95	60.00	27.00	1.50	0.38	0.23
237	158.34	-1631.46	60.00	27.00	1.50	0.67	0.24
242	148.05	-1717.63	60.00	27.00	1.50	0.71	0.23
257	-149.93	-1020.1	60.00	27.00	1.50	0.42	0.23
262	155.65	-1506.51	60.00	27.00	1.50	0.62	0.24
267	145.78	-1865.53	60.00	27.00	1.50	0.77	0.22
282	-149.46	-1952.67	60.00	27.00	1.50	0.80	0.23
287	155.21	-2152.21	60.00	27.00	1.50	0.89	0.24
292	145.86	-2023.34	60.00	27.00	1.50	0.83	0.22
307	-150.95	-1208.01	60.00	27.00	1.50	0.50	0.23
312	154.21	-2092.94	60.00	27.00	1.50	0.86	0.24
317	146.15	-1855.96	60.00	27.00	1.50	0.76	0.22
332	-117.42	-1051.01	60.00	27.00	1.50	0.43	0.18
337	110.42	-2133.63	60.00	27.00	1.50	0.88	0.17
342	109.82	-2451.95	60.00	27.00	1.50	1.01	0.17

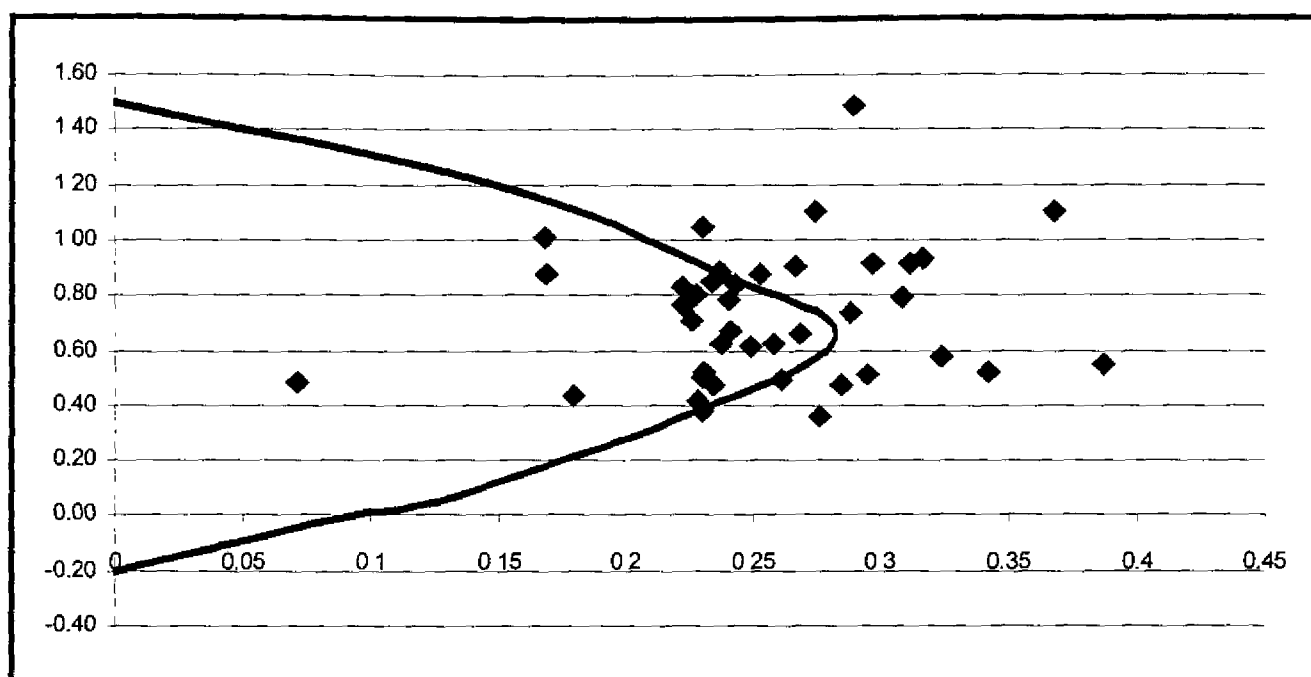


Figura 29. Diagrama de Interacción. Columna 60 x 35.

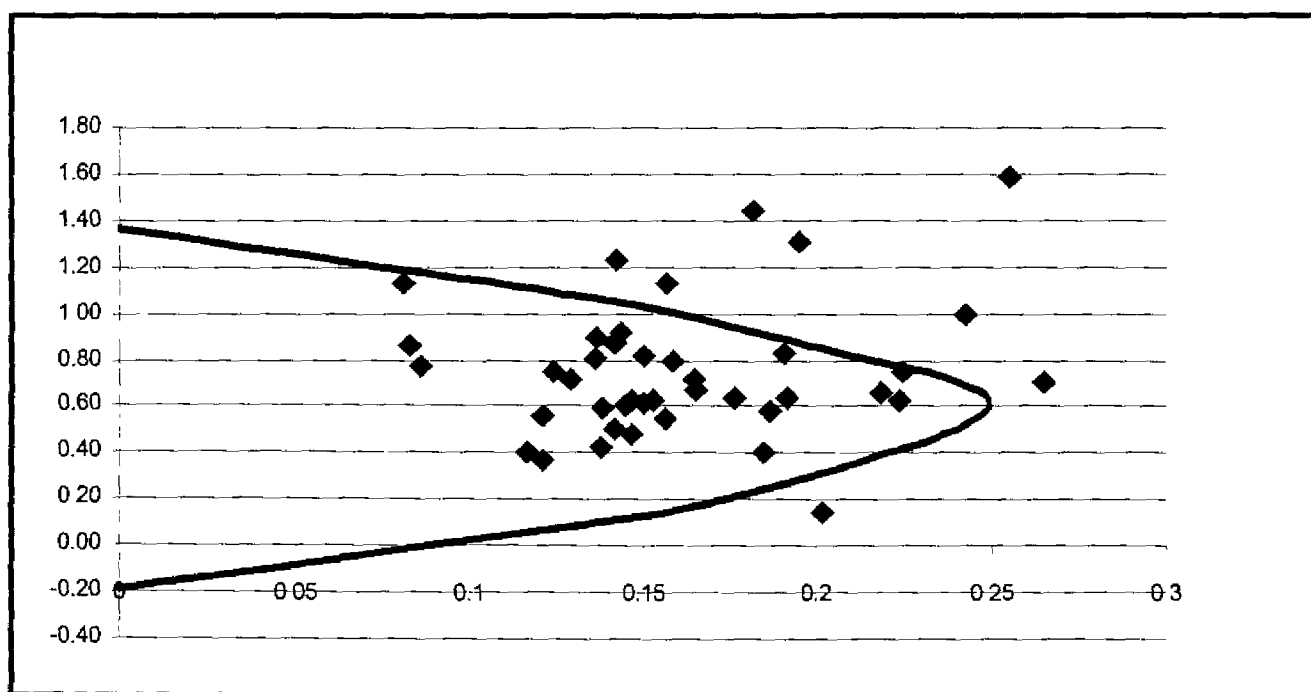


Figura 30. Diagrama de Interacción. Columna 40 x 30.

Tabla 60. Chequeo de la resistencia de las secciones de las columnas de 30 x 40.
Edificio 1. Bloque de Hospitalizados 2. Combinación CPCTCSY.

COLUMNA	M*	N*	b (cm)	h (cm)	R'b* (KN/cm ²)	η_i	m_i
8	74.80	-976.45	40.00	25.50	1.50	0.64	0.19
13	-99.54	-2421.79	40.00	25.50	1.50	1.58	0.26
18	-55.20	-1344.08	40.00	25.50	1.50	0.88	0.14
33	87.76	-1142.88	40.00	25.50	1.50	0.75	0.22
38	-103.40	-1071.41	40.00	25.50	1.50	0.70	0.27
43	-78.75	-222.19	40.00	25.50	1.50	0.15	0.20
58	87.31	-961.57	40.00	25.50	1.50	0.63	0.22
63	-94.66	-1517.26	40.00	25.50	1.50	0.99	0.24
68	-70.96	-2199.54	40.00	25.50	1.50	1.44	0.18
83	74.35	-1263.44	40.00	25.50	1.50	0.83	0.19
88	-85.32	-1013.64	40.00	25.50	1.50	0.66	0.22
93	-72.86	-890.76	40.00	25.50	1.50	0.58	0.19
108	72.21	-614.57	40.00	25.50	1.50	0.40	0.19
113	-76.11	-2009.35	40.00	25.50	1.50	1.31	0.20
118	-61.92	-1224.60	40.00	25.50	1.50	0.80	0.16
133	64.58	-1029.42	40.00	25.50	1.50	0.67	0.17
138	-68.86	-971.40	40.00	25.50	1.50	0.63	0.18
143	-61.01	-845.58	40.00	25.50	1.50	0.55	0.16
158	64.37	-1088.24	40.00	25.50	1.50	0.71	0.16
163	-61.13	-1728.67	40.00	25.50	1.50	1.13	0.16
168	-50.28	-1101.68	40.00	25.50	1.50	0.72	0.13
183	57.16	-966.34	40.00	25.50	1.50	0.63	0.15
188	-55.30	-1339.10	40.00	25.50	1.50	0.88	0.14
193	-48.40	-1142.29	40.00	25.50	1.50	0.75	0.12
208	53.91	-904.76	40.00	25.50	1.50	0.59	0.14
213	-53.06	-1239.43	40.00	25.50	1.50	0.81	0.14
218	-47.21	-570.61	40.00	25.50	1.50	0.37	0.12
233	53.67	-652.78	40.00	25.50	1.50	0.43	0.14
238	-53.20	-1367.38	40.00	25.50	1.50	0.89	0.14
243	-33.66	-1174.25	40.00	25.50	1.50	0.77	0.09
258	55.39	-771.79	40.00	25.50	1.50	0.50	0.14
263	-57.27	-729.74	40.00	25.50	1.50	0.48	0.15
268	58.59	-940.36	40.00	25.50	1.50	0.61	0.15
283	56.54	-919.21	40.00	25.50	1.50	0.60	0.14
288	-55.43	-1885.95	40.00	25.50	1.50	1.23	0.14
293	-32.36	-1318.59	40.00	25.50	1.50	0.86	0.08
308	59.58	-963.84	40.00	25.50	1.50	0.63	0.15
313	-58.65	-1256.26	40.00	25.50	1.50	0.82	0.15
318	-45.44	-612.57	40.00	25.50	1.50	0.40	0.12
333	47.20	-865.71	40.00	25.50	1.50	0.57	0.12
338	-56.03	-1398.74	40.00	25.50	1.50	0.91	0.14
343	-31.74	-1732.85	40.00	25.50	1.50	1.13	0.08