

WIND-TUNNEL STUDY OF
INTERCONTINENTAL HOTEL, SAN DIEGO

ADDENDUM

by

J. A. Peterka* and J. E. Cermak**

for

Hope Engineers
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CSU Project 2-27750

November 1982

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CER82-83JAP-JEC20a



Department of Civil Engineering
Fluid Mechanics and
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(303) 491-6686/6696

Colorado State University
Fort Collins, Colorado
80523

26 January 1983

Mr. J. Patrick Hamilton
Hope Consulting Group
401 West A Street
Suite 500
San Diego, CA 92101

RE: Wind Pressures, Intercontinental Hotel,
San Diego (2-2 7750)

Dear Mr. Hamilton:

I am enclosing a set of peak pressure contours (and Table 6A) for which the pressures have been adjusted for wind-direction dependence. These are the data I referred to in the penultimate paragraph of my letter of 10 January 1983.

Please call regarding any questions you may have.

Very truly yours,

J. E. Cermak
Professor-in-Charge and
Director, Fluid Dynamics
and Diffusion Laboratory

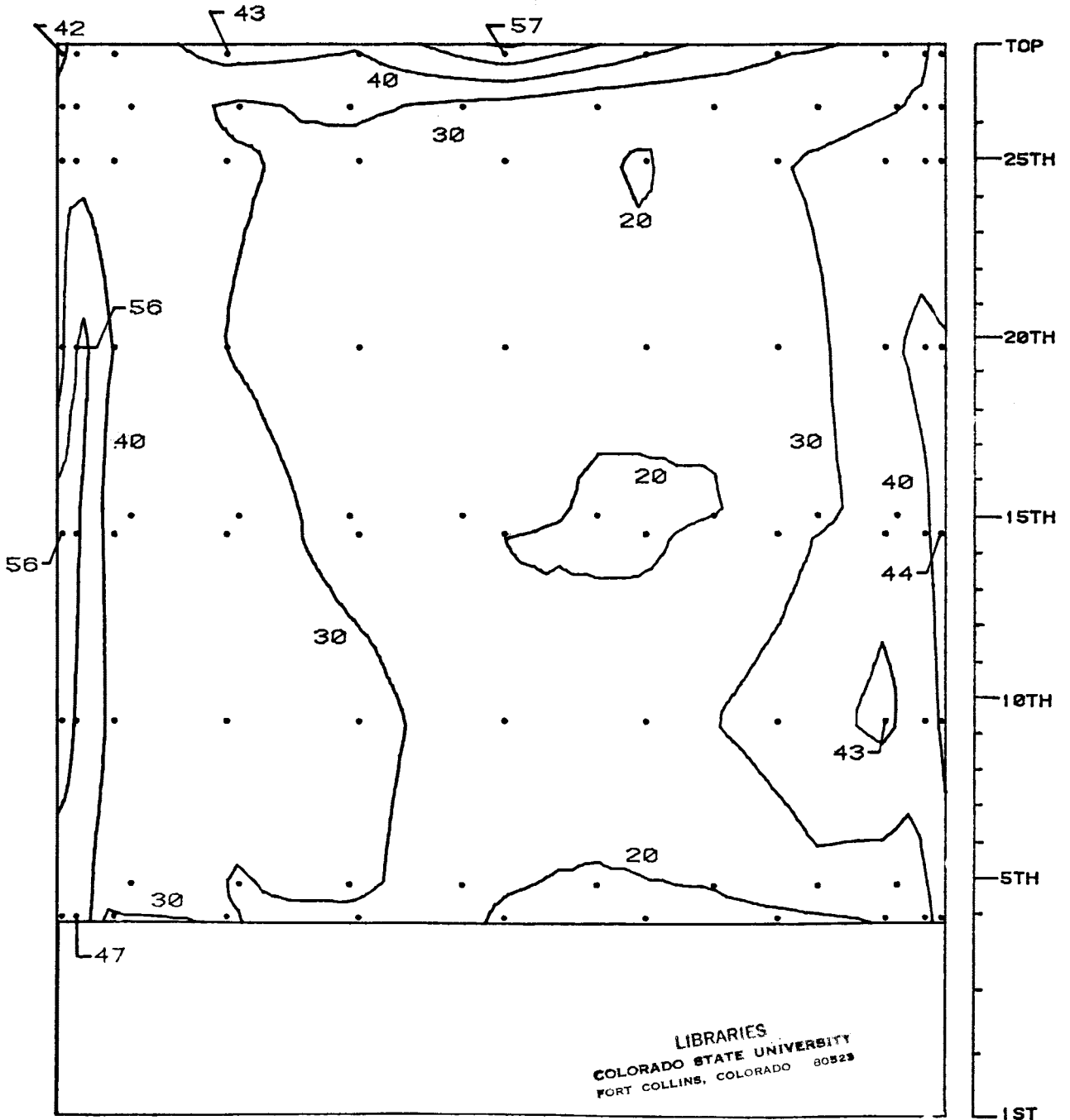
JEC:sh

enclosures

c: Richard Miller
Sam Kaplin
J. A. Peterka

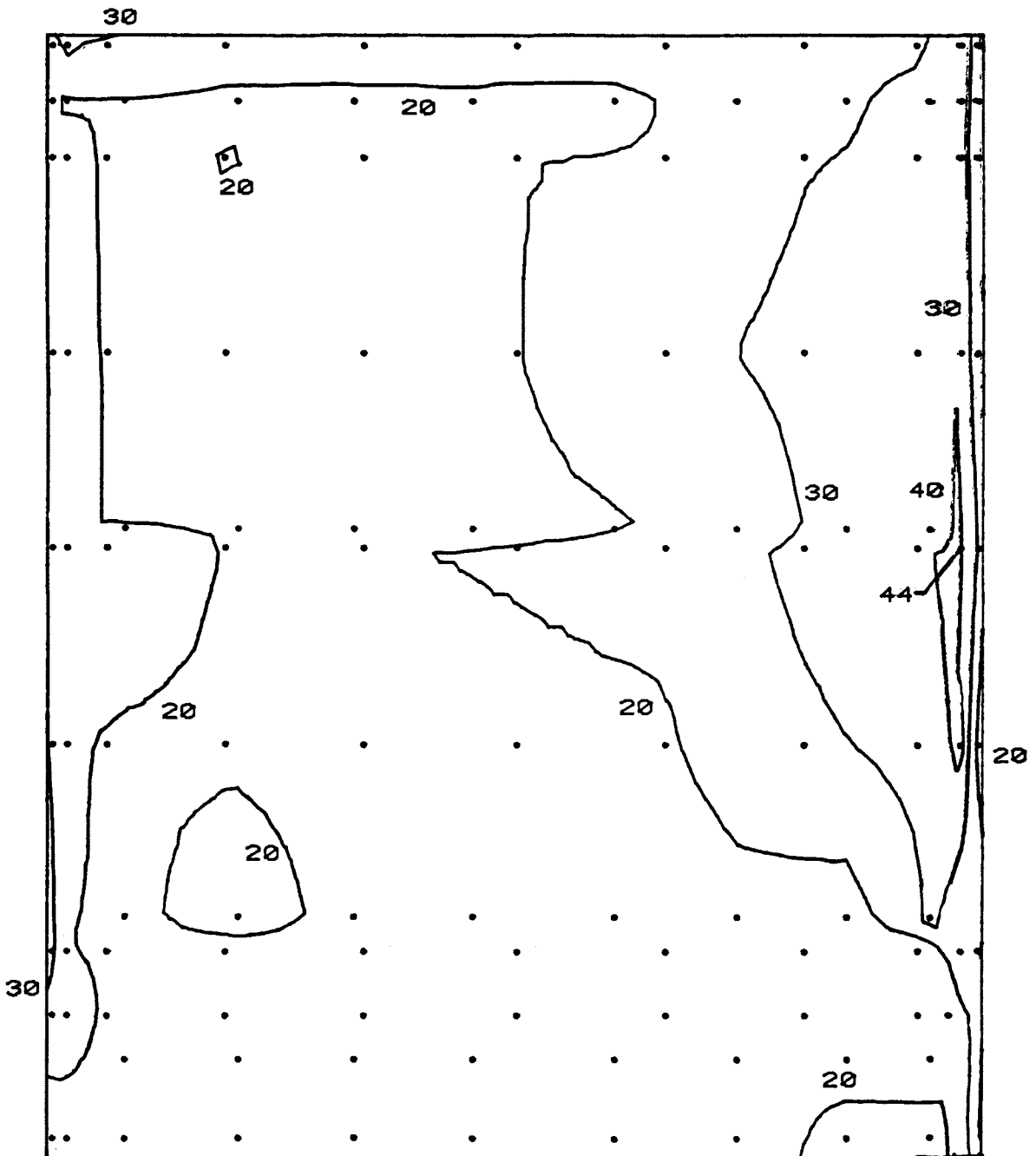
NORTH ELEVATION
PEAK NEGATIVE CLADDING LOADS (PSF)
FOR 50-YEAR RECURRENCE WIND
REFERENCE PRESSURE = 27 PSF

EAST TOWER OUT
WITH WIND DIRECTIONALITY



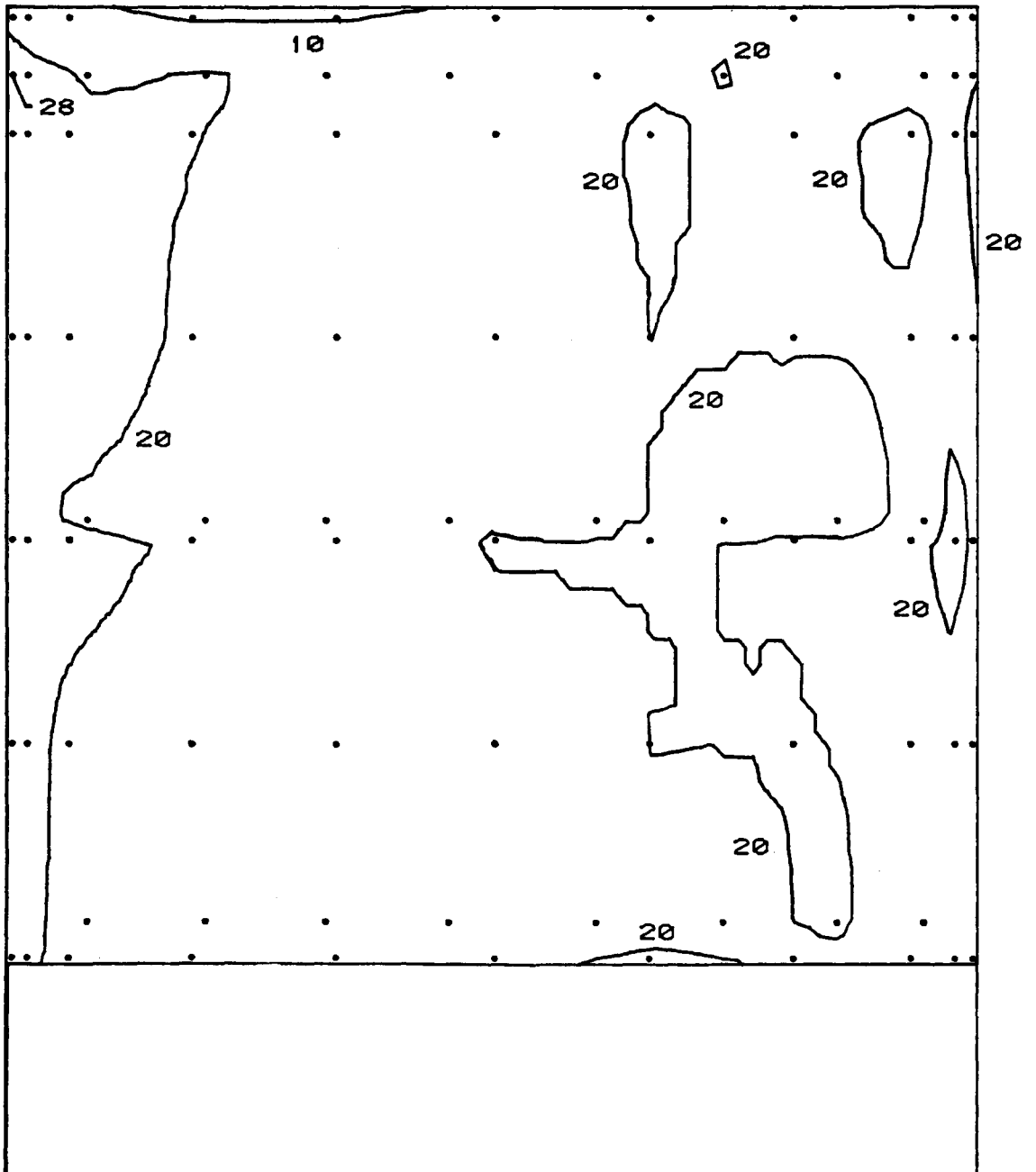
SOUTH ELEVATION
PEAK NEGATIVE CLADDING LOADS (PSF)
FOR 50-YEAR RECURRENCE WIND
REFERENCE PRESSURE = 27 PSF

EAST TOWER OUT
WITH WIND DIRECTIONALITY



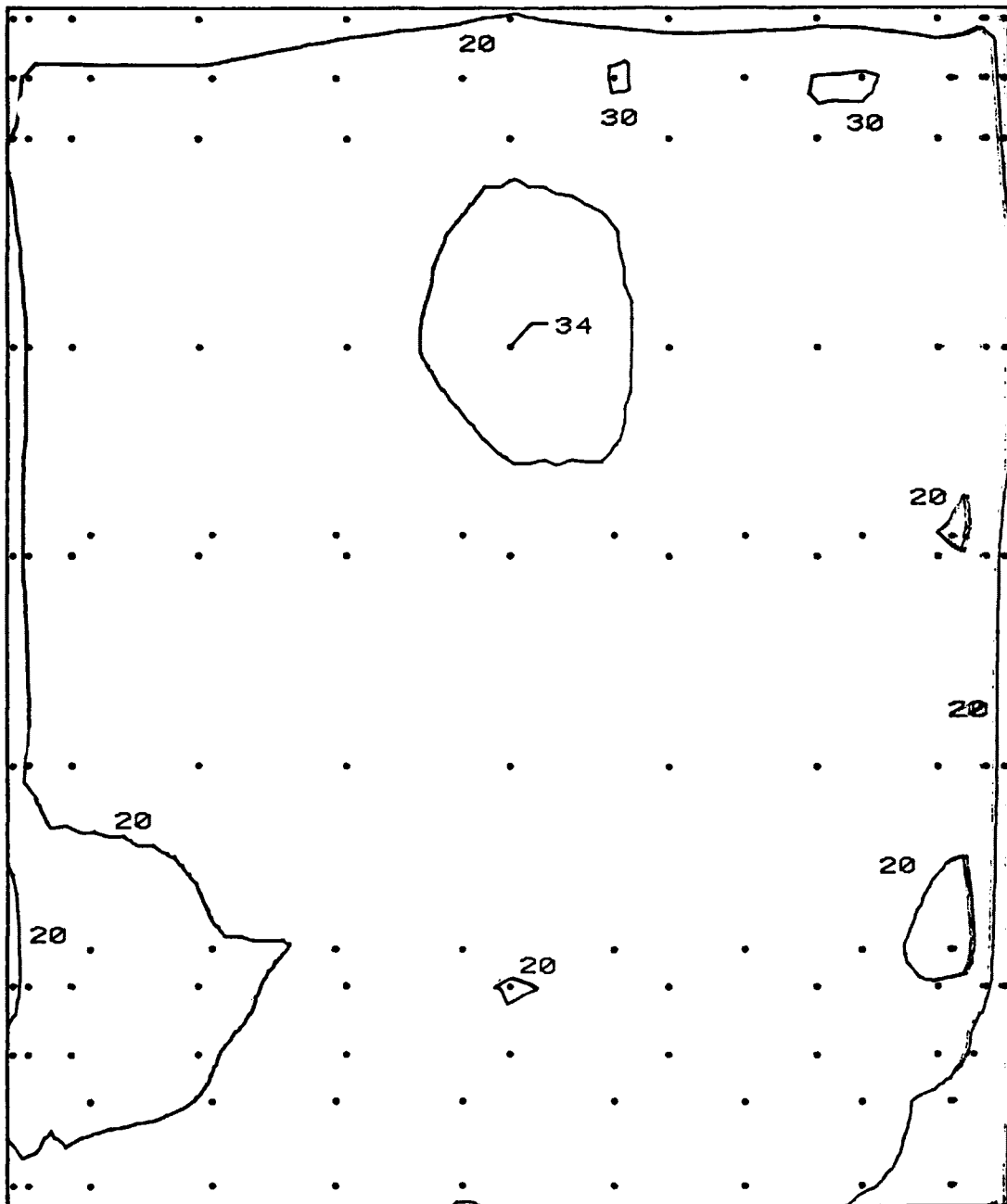
NORTH ELEVATION
PEAK POSITIVE CLADDING LOADS (PSF)
FOR 50-YEAR RECURRENCE WIND
REFERENCE PRESSURE = 27 PSF

EAST TOWER OUT
WITH WIND DIRECTIONALITY



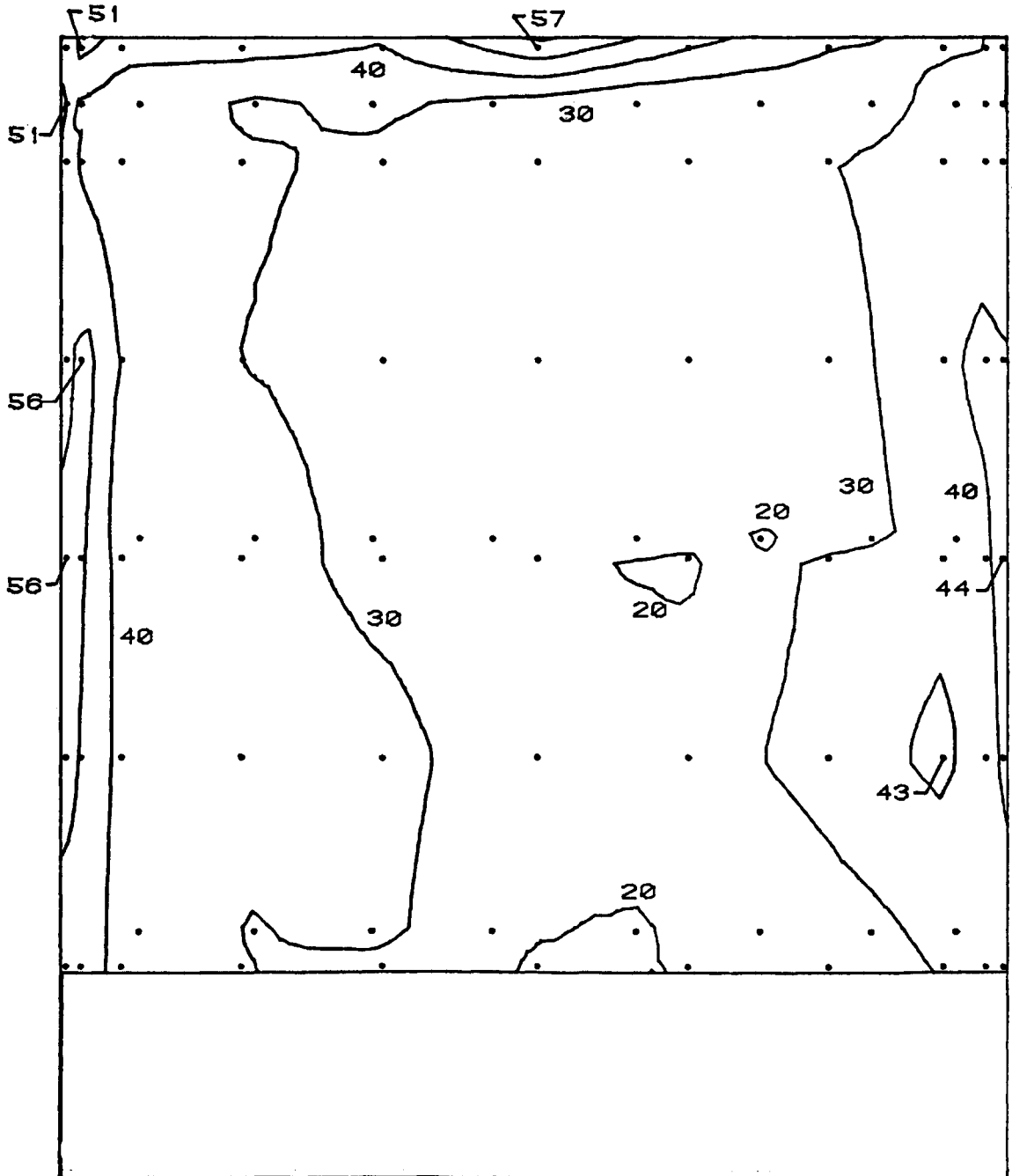
SOUTH ELEVATION
PEAK POSITIVE CLADDING LOADS (PSF)
FOR 50-YEAR RECURRENCE WIND
REFERENCE PRESSURE = 27 PSF

EAST TOWER OUT
WITH WIND DIRECTIONALITY



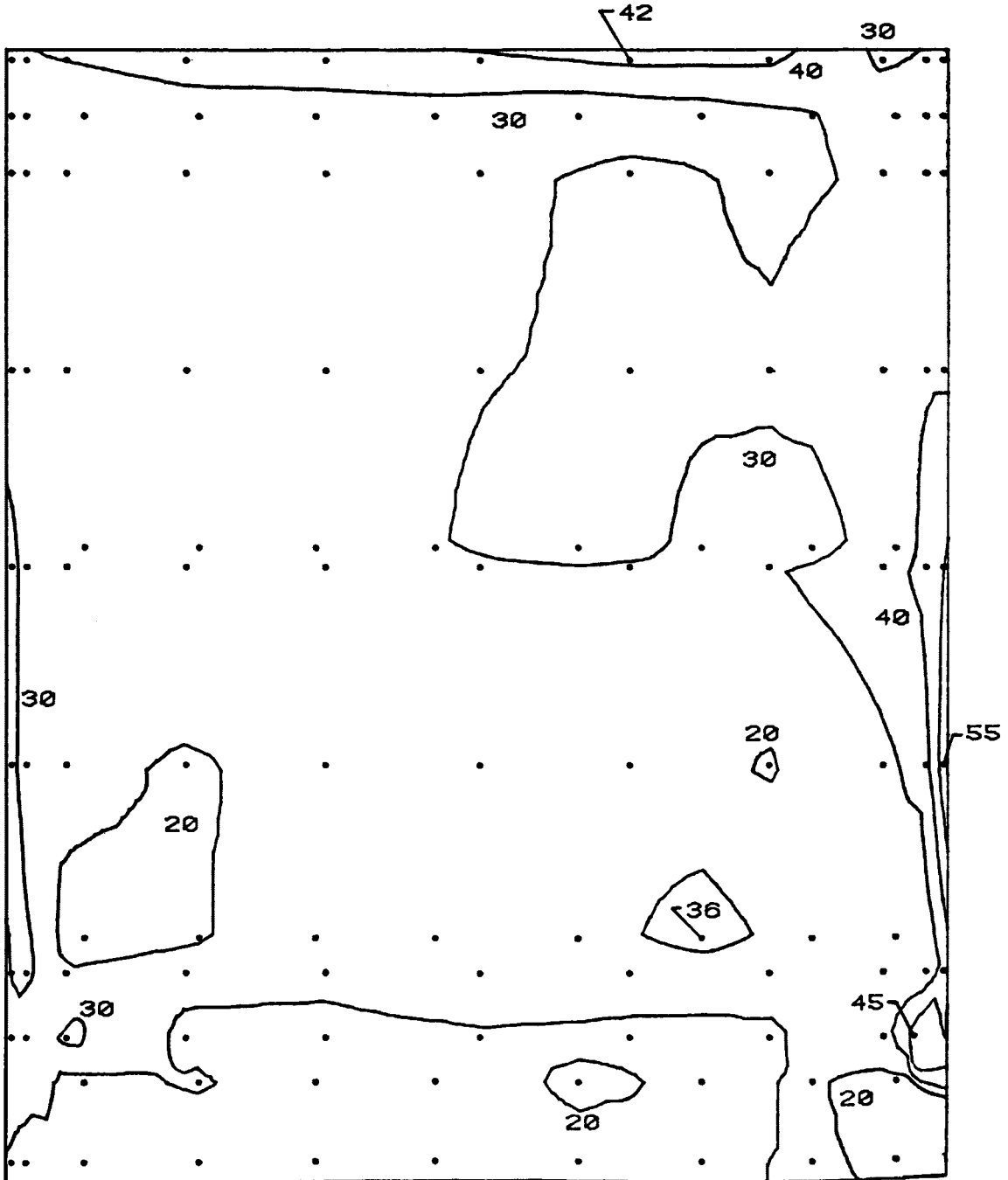
NORTH ELEVATION
PEAK NEGATIVE CLADDING LOADS (PSF)
FOR 50-YEAR RECURRENCE WIND
REFERENCE PRESSURE = 27 PSF

WORST CASE OF EAST TOWER IN /
EAST TOWER OUT
WITH WIND DIRECTIONALITY



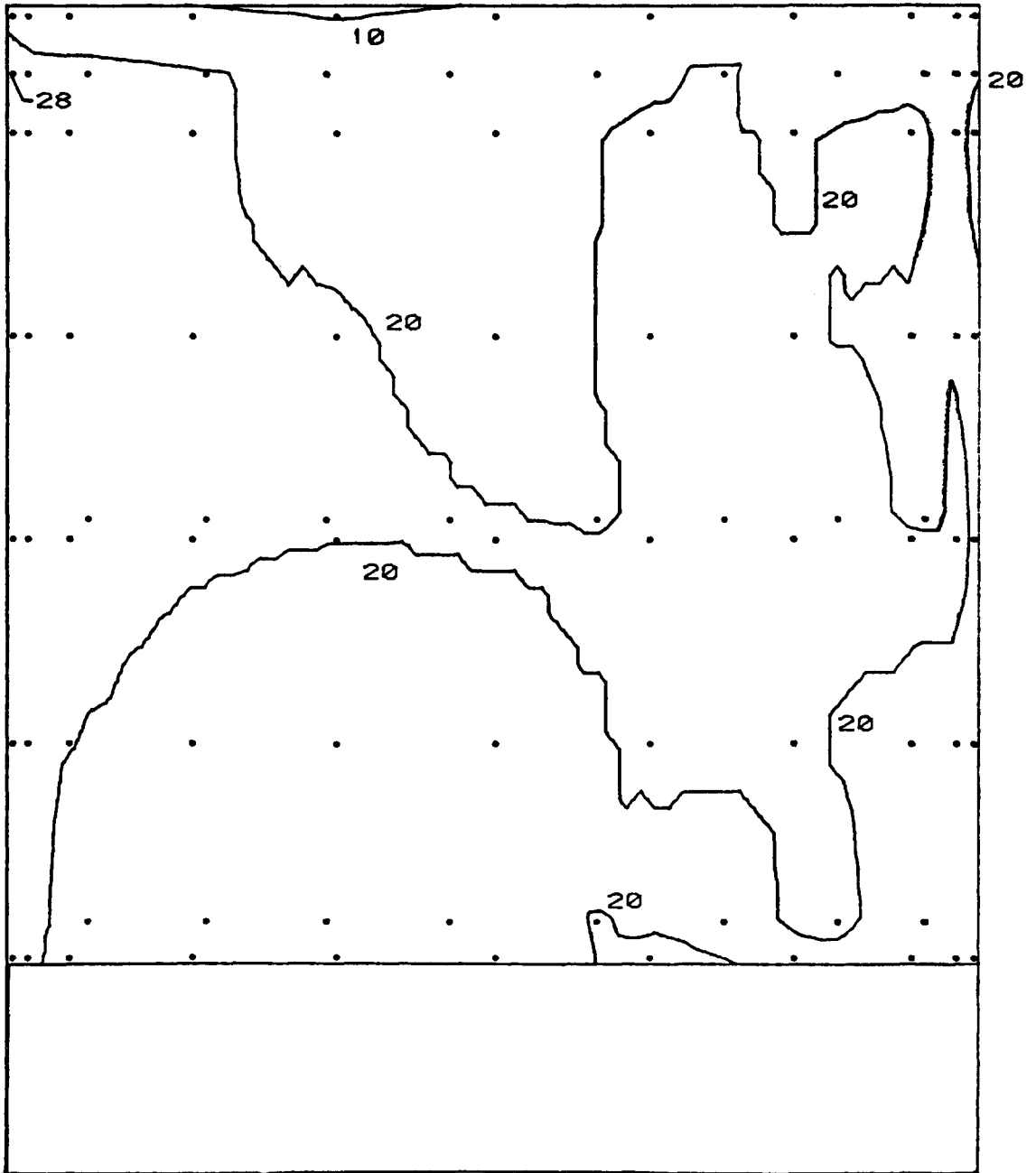
SOUTH ELEVATION
PEAK NEGATIVE CLADDING LOADS (PSF)
FOR 50-YEAR RECURRENCE WIND
REFERENCE PRESSURE = 27 PSF

WORST CASE OF EAST TOWER IN /
EAST TOWER OUT
WITH WIND DIRECTIONALITY



NORTH ELEVATION
PEAK POSITIVE CLADDING LOADS (PSF)
FOR 50-YEAR RECURRENCE WIND
REFERENCE PRESSURE = 27 PSF

WORST CASE OF EAST TOWER IN /
EAST TOWER OUT
WITH WIND DIRECTIONALITY



SOUTH ELEVATION
PEAK POSITIVE CLADDING LOADS (PSF)
FOR 50-YEAR RECURRENCE WIND
REFERENCE PRESSURE = 27 PSF

WORST CASE OF EAST TOWER IN /
EAST TOWER OUT
WITH WIND DIRECTIONALITY

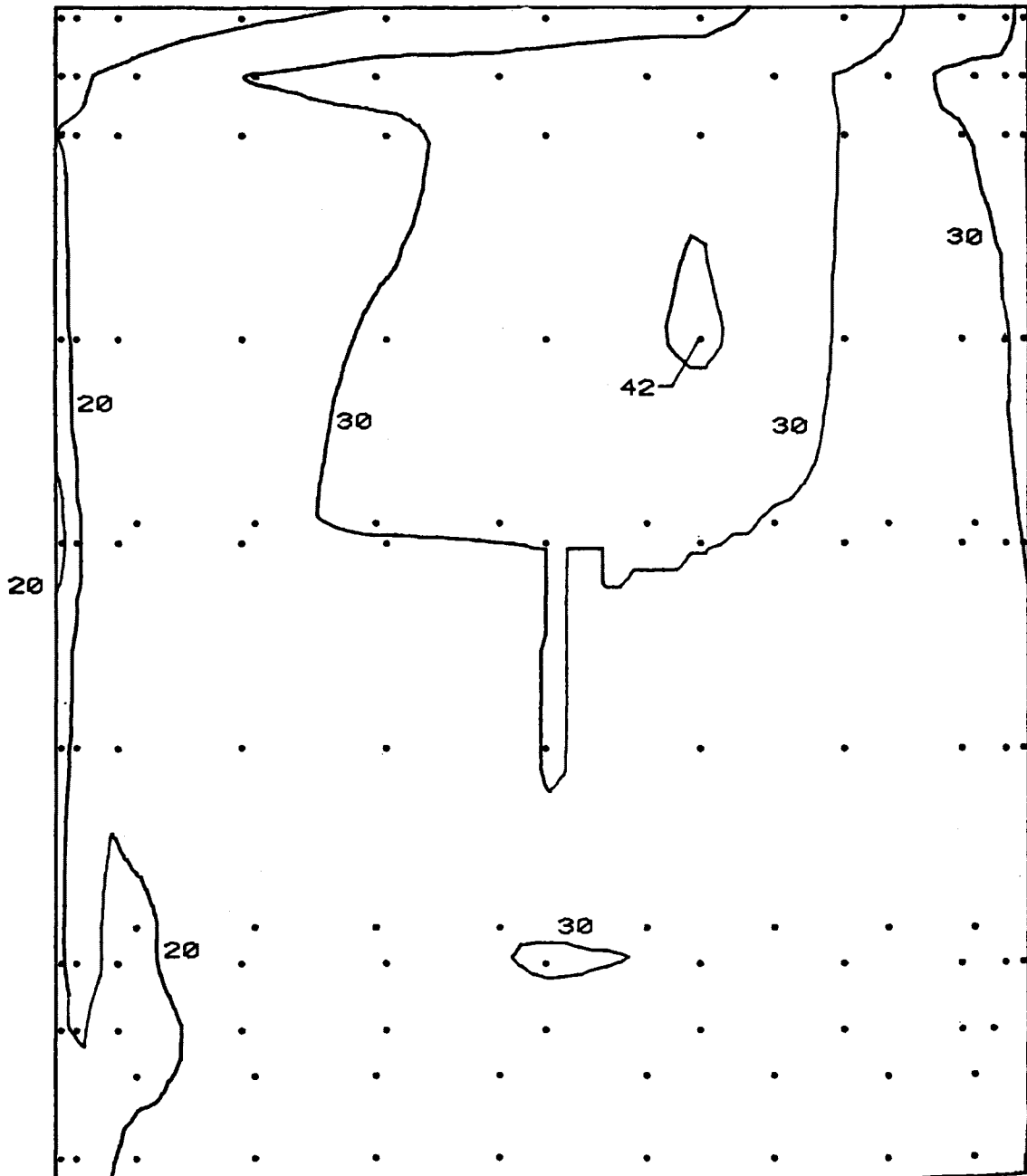


TABLE 6A. PEAK LOADS FOR CONFIGURATION C : SAN DIEGO HOTEL, EAST TOWER OUT, WITH WIND DIRECTIONALITY
 LARGEST VALUES OF CLADDING LOAD REFERENCE PRESSURE = 27.0 PSF

TAP	AZI- MUTH	PRESS COEFF	NEGATIVE POSITIVE		TAP	AZI- MUTH	PRESS COEFF	NEGATIVE POSITIVE		TAP	AZI- MUTH	PRESS COEFF	NEGATIVE POSITIVE		
			PEAK	PEAK				PEAK	PEAK				PEAK	PEAK	
			----- PSF -----					----- PSF -----					----- PSF -----		
101	110	-1.95	-4.2	2	15.9	149	120	-0.86	-23.3	18.8	203	110	-1.40	-30.2	12.5
102	110	-1.61	-4.2	2	14.1	150	320	-1.18	-19.4	19.8	204	90	-1.34	-29.0	13.2
103	110	-1.52	-3.2	9	13.0	151	320	-1.26	-19.4	21.1	205	90	-1.12	-24.1	13.4
104	120	-1.60	-3.4	3	9.4	152	220	-1.64	-27.5	23.8	206	30	-1.37	-27.3	17.0
105	120	-1.47	-3.3	9	9.8	153	220	-2.13	-35.6	18.0	207	30	-1.37	-24.1	20.8
106	120	-2.10	-4.6	6	11.3	154	120	-2.09	-36.4	22.0	208	230	-1.62	-27.1	17.2
107	120	-1.49	-4.0	3	12.3	155	120	-1.93	-32.1	22.8	209	30	-1.50	-26.3	18.4
108	220	-1.82	-3.0	4	11.7	156	120	-1.32	-35.6	22.4	210	50	-1.59	-27.9	16.9
109	210	-1.72	-3.0	4	11.6	157	120	-1.31	-35.2	19.2	211	40	-2.17	-38.2	19.8
110	220	-1.67	-3.0	9	12.0	158	120	-0.97	-26.3	18.0	212	280	-1.60	-23.8	19.6
111	230	-2.2	-3.0	5	13.0	159	320	-1.21	-20.0	20.3	213	280	-1.77	-26.3	17.2
112	110	-1.62	-3.0	8	27.8	160	320	-1.22	-18.5	20.4	214	190	-1.10	-19.0	22.7
113	110	-1.60	-3.0	8	23.7	161	220	-1.58	-26.4	19.7	215	180	-1.08	-20.0	22.2
114	120	-1.28	-4.4	4	19.4	162	220	-2.21	-37.1	18.0	216	190	-1.09	-18.4	22.2
115	120	-1.05	-4.4	4	20.9	163	220	-2.26	-37.8	23.1	217	140	-1.96	-17.7	25.5
116	120	-1.19	-4.4	4	18.4	164	230	-2.62	-43.8	19.1	218	140	-1.97	-18.5	26.6
117	120	-1.01	-4.4	4	15.4	165	120	-2.03	-34.8	24.5	219	130	-1.11	-17.3	30.0
118	120	-1.79	-4.2	2	19.0	166	120	-1.83	-49.4	22.2	220	120	-1.06	-24.9	30.0
119	220	-1.32	-4.2	2	20.0	167	130	-1.39	-37.5	18.5	221	130	-1.18	-28.7	31.1
120	230	-1.48	-4.2	1	17.7	168	130	-1.36	-36.8	16.7	222	40	-1.95	-34.3	25.9
121	220	-1.76	-4.2	1	19.1	169	120	-1.28	-34.5	14.0	223	50	-1.93	-34.0	23.7
122	220	-1.93	-4.2	2	18.2	170	130	-1.80	-21.5	18.9	224	280	-1.79	-26.6	18.4
123	220	-2.00	-4.2	2	19.9	171	200	-1.25	-25.7	20.0	225	280	-1.54	-22.8	20.0
124	100	-1.73	-4.4	4	25.5	172	220	-2.03	-34.1	20.5	226	280	-1.53	-22.2	21.1
125	100	-1.73	-4.4	8	22.2	173	220	-2.56	-42.9	19.0	227	200	-1.02	-19.2	20.8
126	110	-1.56	-4.4	7	21.7	174	220	-2.04	-34.2	17.0	228	180	-1.15	-20.0	23.3
127	120	-1.17	-4.3	8	20.4	175	220	-2.47	-41.3	17.3	229	150	-1.07	-19.9	28.8
128	120	-1.99	-4.3	6	17.2	176	120	-1.33	-36.0	17.6	230	150	-1.08	-19.9	29.1
129	120	-1.83	-4.3	6	17.1	177	130	-1.09	-29.4	18.0	231	140	-1.10	-20.9	29.8
130	320	-1.23	-4.3	5	21.0	178	130	-1.26	-34.0	17.2	232	120	-1.10	-22.9	29.7
131	220	-1.77	-4.3	3	18.3	179	120	-0.78	-21.0	19.6	233	30	-1.87	-32.8	24.2
132	220	-2.12	-4.3	8	21.8	180	130	-0.72	-19.5	17.3	234	40	-1.89	-33.3	24.4
133	220	-2.09	-4.3	3	18.3	181	150	-0.76	-20.5	17.9	235	280	-1.77	-26.6	19.6
134	220	-2.10	-4.3	2	21.4	182	200	-1.36	-27.9	21.4	236	280	-1.94	-28.8	19.2
135	110	-1.76	-4.3	6	22.6	183	230	-1.48	-24.8	14.4	237	290	-1.59	-23.3	20.0
136	120	-2.06	-4.3	1	23.1	184	120	-1.64	-44.2	21.2	238	190	-1.16	-19.5	23.8
137	110	-1.80	-4.3	9	25.2	185	140	-1.74	-47.1	20.6	239	180	-1.03	-19.1	21.2
138	120	-1.11	-4.3	7	18.7	186	130	-1.10	-29.8	19.5	240	150	-1.00	-19.5	26.9
139	120	-1.82	-4.3	2	18.1	187	130	-1.14	-30.7	18.8	241	140	-1.27	-20.0	34.4
140	70	-1.97	-4.3	8	18.4	188	140	-0.97	-26.1	15.5	242	120	-1.07	-20.0	27.0
141	140	-1.81	-4.3	9	20.0	189	130	-0.72	-19.5	18.0	243	30	-1.90	-33.4	27.8
142	210	-1.34	-4.3	3	19.9	190	320	-1.27	-16.4	21.2	244	50	-2.25	-33.9	27.7
143	230	-2.30	-4.3	4	19.4	191	320	-1.15	-17.7	19.3	245	40	-2.21	-33.8	23.3
144	220	-2.34	-4.3	5	17.0	192	200	-1.04	-21.3	17.7	246	180	-1.13	-22.2	23.3
145	230	-2.39	-4.3	1	19.1	193	240	-1.63	-27.4	17.0	247	190	-1.18	-22.0	24.2
146	120	-1.33	-4.3	8	18.8	194	200	-1.61	-33.0	15.7	248	190	-1.32	-19.9	27.0
147	130	-1.32	-4.3	8	16.8	201	140	-0.95	-25.5	13.4	249	150	-1.92	-19.8	24.8
148	120	-1.96	-4.3	6	17.5	202	120	-1.08	-29.3	13.2	250	150	-1.98	-17.7	26.6

TABLE 6A. PEAK LOADS FOR CONFIGURATION C : SAN DIEGO HOTEL, EAST TOWER OUT, WITH WIND DIRECTIONALITY
LARGEST VALUES OF GLADDING LOAD REFERENCE PRESSURE = 27.0 PSF

TAP	AZI- MUTH	PRESS COEFF	NEGATIVE PEAK	POSITIVE PEAK	TAP	AZI- MUTH	PRESS COEFF	NEGATIVE PEAK	POSITIVE PEAK	TAP	AZI- MUTH	PRESS COEFF	NEGATIVE PEAK	POSITIVE PEAK
			----- PSF	----- PSF				----- PSF	----- PSF				----- PSF	----- PSF
231	130	1.10	-19.4	29.7	299	150	.72	-16.4	19.5	508	200	-1.03	-21.2	20.9
232	130	1.07	-22.7	28.8	300	140	.88	-15.7	23.7	509	200	-1.02	-20.9	17.3
253	40	-1.99	-34.9	25.7	301	150	.89	-18.7	24.0	510	180	-1.03	-21.2	15.4
254	280	-2.13	-31.6	19.5	302	140	.74	-14.1	20.0	511	200	-1.00	-20.5	12.2
255	296	-1.90	-28.2	19.4	303	120	.74	-13.3	20.1	512	200	-1.42	-29.2	13.1
256	290	-1.71	-25.4	20.7	304	150	1.02	-13.3	27.5	513	310	-1.36	-22.8	16.1
257	120	-1.96	-25.9	22.7	305	190	.93	-17.3	19.0	514	200	-1.42	-29.0	19.3
258	160	1.07	-19.9	21.9	306	150	.63	-15.7	17.1	515	220	-1.13	-19.0	12.8
259	150	1.00	-19.6	26.9	307	150	.76	-14.5	20.6	516	320	-1.01	-16.9	15.8
260	150	1.06	-21.0	28.7	308	150	.87	-15.0	23.5	517	330	-1.11	-18.6	16.0
261	130	1.07	-22.4	29.0	309	140	.81	-14.4	21.9	601	190	-.63	-12.9	11.4
262	50	-1.88	-33.0	29.0	310	140	.89	-15.4	24.1	602	150	-.62	-16.8	15.4
263	50	-2.16	-37.9	26.1	311	140	.94	-18.9	25.3	603	70	.80	-16.1	17.3
264	40	-2.49	-43.8	23.3	312	130	.95	-15.9	25.7	604	30	.90	-11.8	15.8
265	300	-1.78	-29.9	18.8	314	200	.78	-12.2	16.0	605	120	1.00	-3.6	26.9
266	290	-1.91	-28.3	17.1	315	190	1.07	-14.5	21.9	606	150	.45	-11.2	12.3
267	290	-1.48	-22.0	20.5	316	150	.76	-14.1	20.4	607	180	-1.86	-38.1	12.3
268	200	1.07	-19.4	22.0	317	150	.95	-13.5	25.5	608	190	-1.10	-22.6	11.3
269	180	1.64	-18.6	21.3	318	150	.90	-13.6	24.3	609	130	.57	-14.8	15.5
270	140	.98	-16.7	26.5	319	140	.87	-12.6	23.5	701	330	-1.18	-19.7	18.7
271	140	1.05	-18.0	28.5	320	150	1.08	-11.8	29.0	702	150	.59	-15.5	15.8
272	130	.96	-19.1	26.0	321	140	.93	-12.7	25.1	703	310	-1.11	-18.5	18.5
273	50	-1.60	-28.0	24.0	322	140	.89	-13.6	24.0	704	130	.69	-15.2	18.7
274	50	-1.90	-33.4	22.7	401	150	1.27	-21.3	34.3	705	330	-1.34	-22.5	16.8
275	40	-2.40	-42.2	23.8	402	150	.89	-22.9	24.1	706	150	.72	-16.5	19.4
276	290	-1.24	-18.4	17.8	403	150	.78	-19.9	21.1	707	140	.87	-13.0	23.4
277	320	-1.05	-17.6	17.1	404	320	-1.46	-24.4	20.0	708	310	1.11	-11.5	18.6
278	300	-1.51	-23.2	19.9	405	130	.80	-15.8	21.6	709	310	1.00	-11.9	16.7
279	140	.75	-16.6	20.2	406	150	.78	-14.8	20.9	715	350	-1.26	-17.7	15.0
280	140	.81	-15.1	22.0	407	310	-1.30	-21.8	20.5	716	240	.93	-15.3	15.5
281	130	.97	-15.6	26.2	408	200	.87	-13.1	17.8	717	200	.86	-17.3	17.7
282	120	.87	-17.4	23.6	409	30	.69	-9.9	12.2	718	180	.91	-15.5	18.8
283	110	1.04	-15.3	22.5	410	40	1.08	-12.4	19.0	719	0	-2.52	-35.4	26.7
284	300	-1.80	-30.2	17.6	411	70	.85	-13.0	18.5	720	300	-1.78	-29.7	16.2
285	280	-2.20	-32.6	23.2	412	50	.98	-15.8	17.3	721	200	.70	-14.0	14.4
286	290	-1.38	-20.5	17.0	413	150	.76	-11.8	20.5	722	120	-.89	-24.1	13.0
287	300	-1.12	-18.8	17.2	414	150	.74	-9.1	20.0	728	40	-1.47	-25.8	12.3
288	160	.88	-16.0	18.0	415	120	1.06	-12.3	28.7	729	320	-1.42	-23.8	13.2
289	150	.85	-16.8	22.8	416	150	-.78	-21.2	11.0	730	30	-1.45	-25.5	13.3
290	140	.73	-15.6	19.8	417	190	-.73	-14.9	11.2	731	330	-1.53	-25.6	15.7
291	150	.76	-16.7	20.4	418	190	-.66	-13.6	12.3	732	320	-.94	-15.8	12.3
292	120	.77	-15.0	20.8	501	190	1.23	-23.9	25.3	733	30	-1.47	-25.7	10.3
293	110	.94	-13.9	20.4	502	130	-.72	-19.4	13.4	734	0	-1.60	-22.5	13.5
294	120	-.85	-23.0	22.7	503	130	-.87	-23.6	18.9	735	340	-1.49	-20.9	10.5
295	290	-1.97	-29.2	16.6	504	130	-.71	-19.7	19.1	736	350	-2.05	-28.7	9.9
296	290	-1.76	-26.2	16.6	505	340	1.40	-32.1	19.7	801	270	-.99	-14.7	11.8
297	300	-1.61	-27.0	17.3	506	130	-1.19	-32.1	15.4	802	120	-.54	-14.7	12.4
298	310	-1.10	-18.4	17.1	507	140	-.68	-18.4	12.5	803	330	-.84	-14.1	12.6

TABLE 6A. PEAK LOADS FOR CONFIGURATION C : SAN DIEGO HOTEL, EAST TOWER OUT, WITH WIND DIRECTIONALITY
LARGEST VALUES OF CLADDING LOAD REFERENCE PRESSURE = 27.0 PSF

TAP	AZI- MUTH	PRESS COEFF	NEGATIVE PEAK ----- PSF	POSITIVE PEAK ----- PSF	TAP	AZI- MUTH	PRESS COEFF	NEGATIVE PEAK ----- PSF	POSITIVE PEAK ----- PSF	TAP	AZI- MUTH	PRESS COEFF	NEGATIVE PEAK ----- PSF	POSITIVE PEAK ----- PSF
901	30	-1.71	-30.0	9.7	907	140	-1.05	-28.2	7.8	913	90	-2.09	-45.2	7.3
902	40	-1.88	-33.0	7.7	908	130	-1.08	-29.1	6.7	914	140	-1.41	-38.0	9.2
903	130	-1.16	-31.4	7.5	909	70	-1.98	-42.8	9.2	915	120	-1.37	-37.0	8.6
904	150	-1.25	-33.8	10.2	910	120	-2.08	-56.3	10.9	916	120	-1.58	-42.6	7.3
905	120	-1.38	-37.3	8.5	911	120	-1.25	-33.8	10.6	917	120	-1.27	-34.3	6.2
906	190	-1.58	-32.5	9.5	912	120	-1.19	-32.1	7.0	918	120	-1.28	-34.4	8.0

TABLE 6A. PEAK LOADS FOR CONFIGURATION C : SAN DIEGO HOTEL, EAST TOWER OUT, WITH WIND DIRECTIONALITY
LARGEST VALUES OF CLADDING LOAD REFERENCE PRESSURE = 27.0 PSF

* * 15 GREATEST PRESSURE MAGNITUDES * *

TAP	AZI- MUTH	PRESS COEFF	NEGATIVE PEAK ----- PSF	POSITIVE PEAK ----- PSF
106	120	-2.10	-56.6	11.9
154	120	-2.09	-56.4	22.0
910	120	-2.08	-56.3	10.9
136	120	-2.06	-55.6	23.1
165	120	-2.03	-54.8	24.5
155	120	-1.93	-52.1	22.8
166	120	-1.83	-49.4	22.2
185	140	-1.74	-47.1	20.6
913	90	-2.09	-45.2	7.3
184	120	-1.64	-44.2	21.2
164	230	-2.62	-43.8	19.1
264	40	-2.49	-43.8	23.3
104	120	-1.60	-43.3	9.4
173	220	-2.56	-42.9	19.0
909	70	-1.98	-42.8	9.2

TABLE 6A. PEAK LOADS FOR CONFIGURATION D : SAN DIEGO HOTEL, EAST TOWER OUT, WITH WIND DIRECTIONALITY
LARGEST VALUES OF CLADDING LOAD REFERENCE PRESSURE = 27.0 PSF

TAP	AZI- MUTH	PRESS COEFF	NEGATIVE PEAK ----- PSF	POSITIVE PEAK -----	TAP	AZI- MUTH	PRESS COEFF	NEGATIVE PEAK ----- PSF	POSITIVE PEAK -----	TAP	AZI- MUTH	PRESS COEFF	NEGATIVE PEAK ----- PSF	POSITIVE PEAK -----
143	228	-1.83	-30.6	9.2	163	230	-2.15	-35.9	9.1	264	40	-2.43	-42.6	25.9
144	238	-1.88	-31.5	12.2	164	232	-2.33	-39.0	9.8	275	58	-2.37	-41.5	22.6
145	238	-2.06	-34.3	14.5	173	230	-2.51	-42.0	6.9	719	4	-2.31	-32.4	17.6
154	108	-2.00	-43.3	20.0	175	230	-2.77	-46.4	10.6	910	108	-2.21	-47.7	9.2

TABLE 6A. PEAK LOADS FOR CONFIGURATION D : SAN DIEGO HOTEL, EAST TOWER OUT, WITH WIND DIRECTIONALITY
LARGEST VALUES OF CLADDING LOAD REFERENCE PRESSURE = 27.0 PSF

* * 12 GREATEST PRESSURE MAGNITUDES * *

TAP	AZI- MUTH	PRESS COEFF	NEGATIVE PEAK ----- PSF	POSITIVE PEAK -----
910	108	-2.21	-47.7	9.2
175	230	-2.77	-46.4	10.6
154	108	-2.00	-43.3	20.0
264	40	-2.43	-42.6	25.9
173	230	-2.51	-42.0	6.9
275	58	-2.37	-41.5	22.6
164	232	-2.33	-39.0	9.8
163	230	-2.15	-35.9	9.1
145	238	-2.06	-34.3	14.5
719	4	-2.31	-32.4	17.6
144	238	-1.88	-31.5	12.2
143	228	-1.83	-30.6	9.2

TABLE 6B. COMPARISON OF CONFIGURATIONS C AND D : SAN DIEGO HOTEL, EAST TOWER OUT, WITH WIND DIRECTIONALITY
TAPS WHERE NEGATIVE PEAK LOAD FOR CONFIG D EXCEEDED THAT FOR CONFIG. C BY 5 PSF
REF. PRESSURE = 27.0 PSF

TAP	AZIMUTH	C CONFIG. PSF LOAD	AZIMUTH	D CONFIG. PSF LOAD
175	220	-41.3	230	-46.4

TABLE 6A. PEAK LOADS FOR CONFIGURATION W : SAN DIEGO HOTEL, WORST CASE, WITH WIND DIRECTIONALITY
LARGEST VALUES OF CLADDING LOAD REFERENCE PRESSURE = 27.0 PSF

TAP	AZI-NUTH	PRESS COEFF	NEGATIVE PEAK	POSITIVE PEAK	TAP	AZI-NUTH	PRESS COEFF	NEGATIVE PEAK	POSITIVE PEAK	TAP	AZI-NUTH	PRESS COEFF	NEGATIVE PEAK	POSITIVE PEAK
			PSF	PSF				PSF	PSF				PSF	PSF
101	140	-1.64	-44.2	15.9	149	120	-0.86	-23.3	20.6	203	110	-1.40	-30.2	14.7
102	130	-1.88	-50.7	14.1	150	220	-1.44	-24.2	19.8	204	120	-1.33	-35.9	18.5
103	130	-1.57	-42.3	13.0	151	310	-1.27	-19.9	21.2	205	120	-1.38	-37.2	23.5
104	120	-1.60	-43.3	11.9	152	220	-1.64	-27.5	23.8	206	70	-1.78	-38.1	26.9
105	120	-1.47	-39.6	9.8	153	230	-2.19	-36.6	18.2	207	120	-1.55	-41.9	28.6
106	120	-2.10	-56.6	11.9	154	120	-2.09	-36.4	23.6	208	120	-1.54	-41.6	34.3
107	120	-1.49	-40.3	12.3	155	120	-1.93	-32.1	22.8	209	30	-1.65	-28.9	25.9
108	220	-1.82	-40.4	12.4	156	120	-1.34	-36.3	22.4	210	40	-1.78	-31.2	27.5
109	210	-1.72	-28.7	12.1	157	120	-1.31	-35.2	20.9	211	40	-2.17	-38.2	32.7
110	220	-1.80	-30.1	14.5	158	120	-0.97	-26.3	20.2	212	110	-1.12	-24.2	19.6
111	220	-2.29	-38.4	13.5	159	70	-1.00	-21.5	20.3	213	280	-1.77	-26.3	19.2
112	130	-1.87	-50.6	27.8	160	330	-1.23	-18.5	20.6	214	190	1.10	-20.8	22.7
113	110	-1.80	-38.8	23.7	161	220	-1.97	-32.9	20.3	215	140	1.13	-23.3	30.5
114	120	-1.28	-34.4	23.7	162	220	-2.21	-37.1	21.6	216	150	1.26	-23.3	34.0
115	120	-1.05	-28.4	20.9	163	220	-3.26	-37.8	23.1	217	150	1.23	-25.9	33.2
116	120	-1.19	-32.1	18.4	164	230	-2.62	-43.8	19.1	218	140	1.28	-22.1	34.4
117	120	-1.01	-27.2	17.9	165	120	-2.02	-54.8	24.5	219	150	1.17	-25.4	31.7
118	120	-0.79	-21.4	19.0	166	120	-1.83	-49.4	22.2	220	120	-1.10	-29.6	28.5
119	220	-1.32	-22.1	20.0	167	130	-1.39	-37.5	20.3	221	40	-1.98	-34.8	31.7
120	220	-1.51	-25.3	17.8	168	130	-1.36	-36.8	18.0	222	40	-2.01	-35.2	31.6
121	230	-2.11	-35.3	18.4	169	120	-1.28	-34.3	16.6	223	50	-1.93	-34.0	31.3
122	230	-2.06	-34.3	18.2	170	130	-0.80	-21.5	19.2	224	280	-1.79	-26.6	20.2
123	230	-2.36	-39.3	19.7	171	200	-1.25	-25.7	20.5	225	290	-1.55	-23.3	20.5
124	120	-1.66	-44.8	25.5	172	220	-2.03	-34.1	20.5	226	70	-1.18	-25.5	21.6
125	100	-1.75	-37.8	22.2	173	220	-2.56	-42.9	19.0	227	70	-1.21	-26.2	27.9
126	110	-1.56	-33.8	23.2	174	220	-2.04	-34.2	17.0	228	130	1.01	-24.4	25.3
127	120	-1.17	-31.6	21.0	175	220	-2.51	-42.1	18.2	229	140	1.38	-27.1	37.4
128	220	-1.68	-28.1	17.9	176	120	-1.33	-36.0	17.6	230	150	1.43	-33.3	38.6
129	120	-0.85	-23.0	17.9	177	130	-1.09	-29.4	18.6	231	140	1.10	-28.3	29.8
130	220	-1.43	-23.9	21.0	178	130	-1.26	-34.0	17.9	232	40	-1.78	-31.3	29.7
131	220	-1.77	-29.6	19.8	179	120	-0.78	-21.0	19.6	233	40	-2.05	-35.9	31.9
132	220	-2.12	-35.5	21.8	180	330	-1.21	-19.5	20.2	234	110	-1.80	-27.7	39.0
133	220	-2.09	-35.1	18.3	181	70	-1.06	-22.9	18.9	235	290	-1.82	-27.0	19.6
134	230	-2.13	-35.7	21.4	182	200	-1.36	-27.9	21.4	236	280	-1.94	-28.8	20.6
135	100	-2.07	-44.8	22.9	183	130	-1.23	-33.3	17.0	237	290	-1.59	-23.5	23.1
136	120	-2.06	-55.6	25.1	184	120	-1.64	-44.2	21.2	238	200	1.25	-23.5	25.7
137	110	-1.80	-38.8	25.2	185	140	-1.74	-47.1	20.6	239	140	1.16	-25.6	31.4
138	120	-1.11	-29.9	20.6	186	120	-1.35	-36.4	19.5	240	150	1.23	-29.7	33.2
139	130	-0.97	-26.1	20.8	187	130	-1.14	-30.7	17.2	241	150	1.57	-31.8	42.2
140	70	-0.97	-20.9	18.4	188	140	-0.97	-26.1	19.5	242	1200	-1.17	-31.6	29.0
141	210	-1.46	-24.4	21.2	189	130	-0.72	-19.5	18.0	243	30	-2.02	-35.4	27.7
142	220	-1.47	-24.7	20.5	190	320	-1.27	-20.3	21.2	244	50	-2.25	-33.9	29.3
143	230	-2.30	-38.4	19.4	191	200	-1.17	-24.0	19.3	245	40	-2.21	-38.8	37.4
144	220	-1.54	-42.5	19.4	192	130	-1.15	-30.9	17.9	246	220	1.41	-22.2	23.6
145	230	-2.39	-40.0	19.1	193	220	-2.23	-37.3	17.0	247	80	-1.22	-26.2	25.3
146	120	-1.33	-36.6	21.5	194	200	-1.61	-33.0	18.2	248	150	1.29	-28.2	34.8
147	130	-1.32	-35.6	20.5	201	150	-0.95	-25.6	13.9	249	150	-1.27	-29.5	34.2
148	120	-0.96	-26.0	20.9	202	120	-1.08	-29.5	14.2	250	120	-1.34	-36.3	32.3

TABLE 6A. PEAK LOADS FOR CONFIGURATION W : SAN DIEGO HOTEL, WORST CASE, WITH WIND DIRECTIONALITY
LARGEST VALUES OF CLADDING LOAD
REFERENCE PRESSURE = 27.0 PSF

TAP	AZI- MUTH	PRESS COEFF	NEGATIVE PEAK ----- PSF	POSITIVE PEAK ----- PSF	TAP	AZI- MUTH	PRESS COEFF	NEGATIVE PEAK ----- PSF	POSITIVE PEAK ----- PSF	TAP	AZI- MUTH	PRESS COEFF	NEGATIVE PEAK ----- PSF	POSITIVE PEAK ----- PSF
2251	130	1.10	-28.0	29.7	299	140	.82	-17.3	22.2	507	120	-1.03	-27.9	13.3
2322	130	-1.07	-28.4	29.8	300	140	.93	-18.9	25.1	508	150	.89	-21.2	24.0
2333	40	-1.99	-34.9	29.7	301	150	.93	-18.7	25.2	509	200	-1.02	-20.9	17.3
2344	280	-2.13	-31.6	19.4	302	140	.74	-19.4	20.9	510	40	-1.25	-32.0	15.4
2355	290	-1.90	-28.2	19.4	303	70	-1.14	-24.6	20.1	511	200	-1.00	-29.0	18.0
2366	290	-1.71	-25.4	23.3	304	130	-1.65	-44.6	27.5	512	200	-1.42	-29.9	24.4
2377	190	1.39	-25.9	28.6	305	190	.93	-18.0	19.0	513	70	1.38	-22.8	29.9
2388	140	.96	-25.9	25.9	306	130	.83	-21.1	22.5	514	120	1.09	-22.0	29.9
2399	150	1.12	-25.9	30.1	307	140	.82	-15.6	22.0	515	120	1.16	-24.0	31.1
2400	150	1.12	-25.9	30.0	308	140	1.07	-15.2	28.9	516	140	.69	-18.0	18.0
2411	120	-1.08	-25.9	30.0	309	150	1.02	-21.8	27.6	517	200	-1.01	-20.8	16.2
2422	40	-2.07	-43.6	30.0	310	140	.89	-19.0	24.1	601	80	.63	-11.2	13.5
2433	30	-2.47	-43.6	33.3	311	140	.94	-20.6	23.2	602	150	.72	-11.2	13.5
2444	40	-2.86	-50.0	34.4	312	130	.95	-18.2	25.7	603	70	.80	-11.1	13.5
2455	300	-1.86	-19.0	33.3	313	320	-1.11	-18.6	16.3	604	30	.90	-11.1	13.5
2466	290	-1.91	-20.8	22.0	314	230	.99	-16.3	16.5	605	120	-1.00	-22.7	26.6
2477	200	-1.08	-20.8	1.1	315	190	1.07	-14.5	21.9	606	40	-1.23	-12.2	12.2
2488	220	1.41	-20.8	22.6	316	190	1.08	-15.2	22.1	607	150	-1.58	-42.5	12.2
2499	140	.93	-20.8	22.2	317	150	.95	-14.6	25.5	608	150	-1.38	-37.7	11.1
2500	140	1.13	-20.8	22.2	318	140	.91	-15.1	24.6	609	240	-1.48	-24.4	18.0
2511	140	1.13	-20.8	22.2	319	150	.94	-17.4	25.5	701	100	-1.31	-20.2	25.5
2522	130	.96	-20.8	22.2	320	150	1.08	-18.8	29.0	702	320	-1.14	-19.9	17.3
2533	50	-1.60	-22.0	22.0	321	140	.93	-20.9	25.1	703	120	.73	-11.1	18.0
2544	50	.90	-22.0	22.0	322	150	.89	-19.2	24.0	704	110	.98	-11.1	18.0
2555	50	.15	-22.0	22.0	401	120	-1.39	-37.5	35.2	705	130	-1.12	-34.0	18.0
2566	190	.94	-22.0	22.9	402	120	-1.52	-41.0	24.1	706	130	1.12	-14.6	30.0
2577	140	.89	-22.0	23.4	403	110	-1.53	-33.1	21.1	707	120	.97	-11.1	26.6
2588	140	.96	-22.0	23.9	404	320	-1.46	-24.4	20.0	708	310	1.11	-11.1	18.0
2599	150	1.10	-22.0	23.7	405	150	.80	-21.3	21.6	709	120	.73	-11.1	17.3
2600	140	1.06	-22.0	23.5	406	70	-1.42	-30.7	20.9	715	70	-1.31	-22.3	15.0
2611	90	-1.64	-23.4	22.2	407	80	-1.47	-31.7	20.5	716	210	.99	-11.1	16.6
2622	120	.91	-23.6	23.5	408	150	.94	-24.4	25.3	717	90	-1.06	-12.8	11.1
2633	130	.96	-23.6	23.3	409	40	.75	-12.8	13.2	718	90	-1.19	-17.3	20.0
2644	300	-1.80	-19.0	24.4	410	40	1.08	-12.4	19.0	719	0	-2.52	-34.4	29.9
2655	280	-1.20	-20.8	22.2	411	70	.89	-13.0	18.5	720	30	-1.78	-15.7	16.6
2666	290	-1.38	-20.8	24.4	412	70	.83	-15.8	18.0	721	120	.76	-12.8	14.4
2677	120	.90	-20.8	24.4	413	11	.75	-13.2	20.5	722	120	-1.44	-30.9	20.0
2688	140	.94	-20.8	24.4	414	150	.74	-13.9	20.0	728	40	.65	-11.1	16.0
2699	150	1.17	-20.8	24.4	415	150	1.06	-14.0	26.7	729	90	.46	-11.1	14.4
2700	150	1.09	-20.8	24.4	416	150	.78	-21.2	14.4	730	120	.01	-11.1	13.5
2711	150	.84	-20.8	24.4	417	180	.66	-16.0	13.4	731	90	.84	-11.1	13.5
2722	120	.86	-20.8	24.4	418	190	.66	-13.6	12.8	732	330	-1.33	-22.2	12.2
2733	80	1.00	-20.8	24.4	501	120	.97	-26.3	25.3	733	120	-1.08	-13.5	13.5
2744	120	.17	-20.8	24.4	502	140	.78	-21.1	20.3	734	340	.78	-13.5	13.5
2755	290	.97	-20.8	24.4	503	130	.87	-23.6	19.7	735	80	.03	-14.3	11.1
2766	290	1.76	-20.8	24.4	504	340	1.21	-19.2	20.2	736	90	.24	-14.8	11.1
2777	300	1.82	-20.8	24.4	505	340	1.41	-19.7	19.8	801	100	.69	-14.8	13.3
2788	190	1.11	-20.8	24.4	506	130	1.19	-32.1	17.7	802	90	.87	-14.8	13.3

TABLE 6A. PEAK LOADS FOR CONFIGURATION W : SAN DIEGO HOTEL, WORST CASE, WITH WIND DIRECTIONALITY
LARGEST VALUES OF CLADDING LOAD REFERENCE PRESSURE = 27.0 PSF

TAP	AZI- MUTH	PRESS COEFF	NEGATIVE PEAK ----- PSF	POSITIVE PEAK ----- PSF	TAP	AZI- MUTH	PRESS COEFF	NEGATIVE PEAK ----- PSF	POSITIVE PEAK ----- PSF	TAP	AZI- MUTH	PRESS COEFF	NEGATIVE PEAK ----- PSF	POSITIVE PEAK ----- PSF
803	120	-1.57	-15.5	13.4	907	140	-1.28	-34.5	13.7	913	70	-2.59	-55.9	14.6
901	30	-1.71	-30.0	12.3	908	150	-1.40	-37.8	12.9	914	150	-1.50	-40.5	12.5
902	40	-1.88	-33.0	13.2	909	80	-2.48	-53.5	16.1	915	140	-2.06	-55.5	15.9
903	130	-1.16	-31.4	16.0	910	150	-2.09	-56.4	14.2	916	120	-1.58	-42.6	15.0
904	140	-1.48	-39.9	16.4	911	120	-1.25	-33.8	13.4	917	140	-1.57	-42.4	21.7
905	110	-1.88	-40.6	14.6	912	140	-1.40	-37.8	13.0	918	140	-1.28	-34.5	13.3
906	220	-2.36	-39.5	14.9										

TABLE 6A. PEAK LOADS FOR CONFIGURATION W : SAN DIEGO HOTEL, WORST CASE, WITH WIND DIRECTIONALITY
LARGEST VALUES OF CLADDING LOAD REFERENCE PRESSURE = 27.0 PSF

* * 15 GREATEST PRESSURE MAGNITUDES * *

TAP	AZI- MUTH	PRESS COEFF	NEGATIVE PEAK ----- PSF	POSITIVE PEAK ----- PSF
106	120	-2.10	-56.6	11.9
154	120	-2.09	-56.4	23.6
910	150	-2.09	-56.4	14.2
913	70	-2.59	-55.9	14.6
136	120	-2.06	-55.6	23.1
915	140	-2.06	-55.5	15.9
275	50	-3.15	-55.4	25.9
165	120	-2.03	-54.8	24.5
909	80	-2.48	-53.5	16.1
155	120	-1.93	-52.1	22.8
102	130	-1.88	-50.7	14.1
112	130	-1.87	-50.6	27.8
264	40	-2.86	-50.2	30.4
166	120	-1.83	-49.4	22.2
736	90	-2.24	-48.5	11.8