DATA SUPPLEMENT

WIND-TUNNEL STUDY OF TAIKOO SHING CITY PLAZA SITE B, HONG KONG

by

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for

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1. INTRODUCTION

Subsequent to the submission of the report of the wind-tunnel study of the Taikoo Shing City Plaza building,* modifications were made to the building including an enlarged sloping glass atrium roof on the north side and vertical triangular slots in the face of the towers. In addition, some concerns arose over the area extent of the single largest pressure measured on the building. To determine the appropriate wind loading on the atrium roof, the influence of the vertical slots on peak pressures in and near the slots and to examine the area extent and pressure magnitude of the large peak pressure near tap location 917, the model was modified to reflect the new geometries and additional wind-tunnel tests were made. This report provides that data and comments on its implications for design. Data presented in this report have Figure and Table numbers which correspond to numbers for similar data presentations in the main report to facilitate integration of the data in this supplement with that of the main report.

2. EXPERIMENT

The model was modified to include the glass atrium ceiling and roof details between the two towers as shown in the photographs of Figure 5. Slots were cut into the northwest face of the east tower. Pressure taps were installed on these areas as shown in Figure 3. In addition, taps were installed near tap 917, as shown in Figures 3d and 3e, in order to obtain a better definition of the area distribution of peak pressures. For the purpose of this supplemental test, tap 917 was renamed tap 2209 and was measured with the surrounding taps.

*WIND-TUNNEL STUDY OF TAIKOO SHING CITY PLAZA SITE B, HONG KONG by J. A. Peterka and J. E. Cermak, Report CER82-83JAP-JEC10, Fluid Mechanics and Wind Engineering Program, Colorado State University, July 1982.

The model was installed in the Environmental Wind Tunnel, Figure 5, in Configuration A of the original report without the modified hill. Data were obtained at each tap location of Figure 3 for 36 wind directions at 10-degree intervals. This data was called Configuration C for presentation here to distinguish it from Configuration A data of the original report. Pressure taps at and near tap 917 were remeasured at 2-degree azimuthal increments for wind directions from 360 degrees through 0 to 20 degrees. This data was identified as Configuration D in this report.

For taps 2208, 2209 (tap 917), 2210, 2213, 2214 and 2215, data were recorded at 2-degree intervals from 358 through 10 degrees, repeated 5 times. These 5 sets of data were identified as Configurations E, F, G, H and I and were used in a statistical analysis of the peak negative pressure coefficients to provide an improved determination of the peaks in that area.

3. RESULTS

Appendix A lists the data obtained for data Configurations C and D. Table 6 shows the largest peak pressure coefficients measured at each pressure tap location and the corresponding peak local pressures for the design wind speed selected for the original report. Tap 2209 (917) had peak pressures of about -5500 Pa for both Configurations C and D. The data of Table 6a is plotted in contour plots in Figures 10a-10f. These figures show that peak pressures on the atrium roof were generally no more than a little over 1500 Pa. One local area on the north elevation showed a value of 2160 Pa.

Pressures in the slots on the northwest face of the east tower, Figure 10e, showed one tap adjacent to a slot at the roof level with

a somewhat elevated pressure which might be due to slot geometry. No evidence of elevated pressures in the slots was noted.

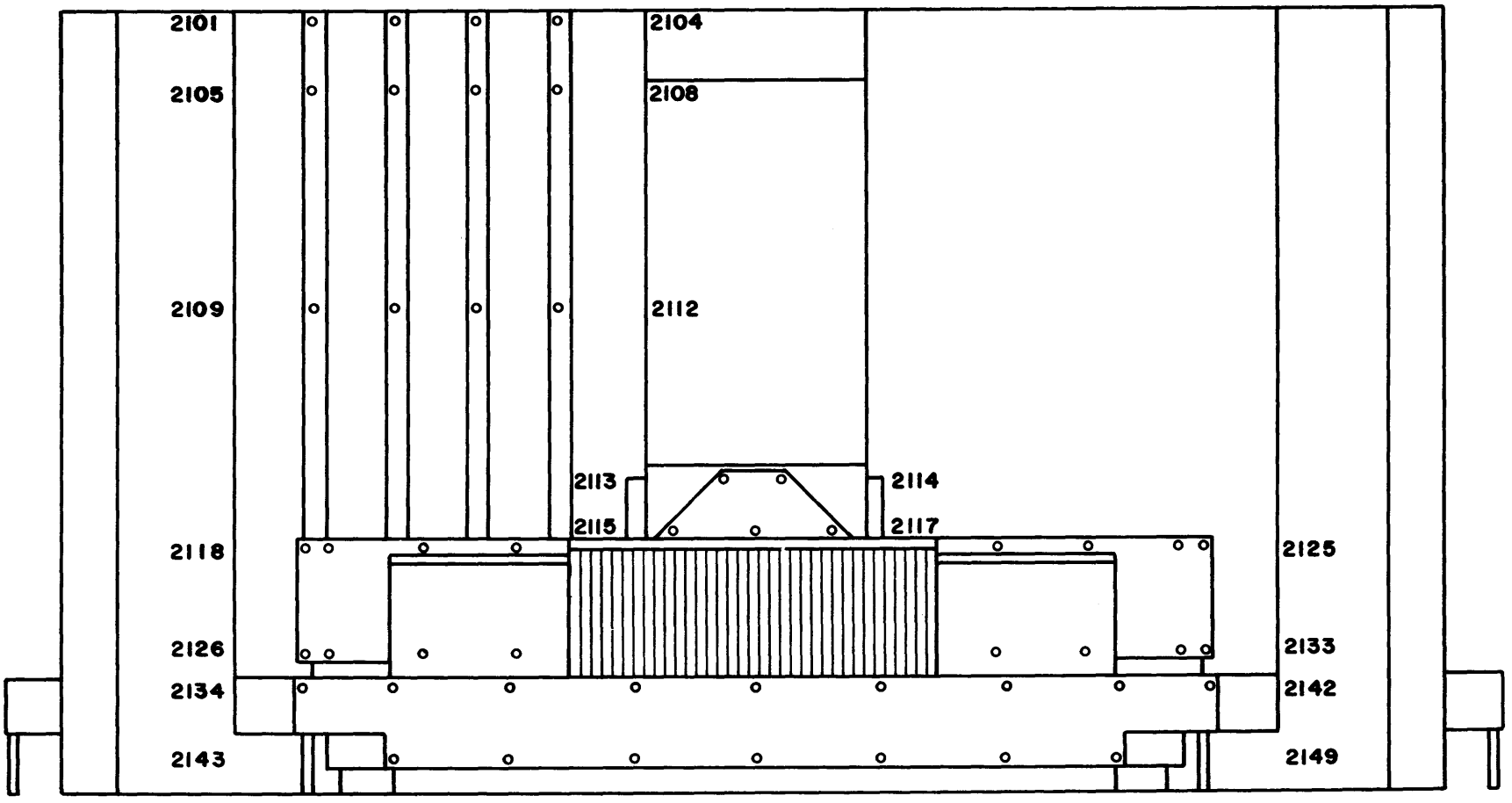
Figures 10g and 10h show contours of peak negative pressure and pressure coefficient for the area near tap 917. These figures were obtained from the data of Configurations E, F, G, H and I which are tabulated in Appendix B. A recently developed technique for using multiple samples of a measured peak* was used to process the data. A copy of the paper describing the technique is included in Appendix C. The method used was to average the largest peak negative pressures obtained from each of the five repeat runs of data. The average was then increased by 1.07 as explained in the research paper. The result of the analysis is a peak pressure at tap 917 of -5400 Pa or a coefficient of -2.5. The extent of this high pressure is quite small as shown in Figures 10g and 10h.

The wind flow pattern near tap 917 for the wind direction giving the high local pressures is shown in a photograph in Figure 5. A vortex formed over the north wing of the east tower which brought high speed flow down on the roof impinging at the location of tap 917. Thus high speed winds were observed just above the parapet at location 917. The resulting separated flow near tap 917 then caused the elevated pressures.

The remaining parts of Figure 10 beginning with 10i show contour plots of peak positive and peak negative pressure coefficients for the entire building. These plots were requested as part of this data supplement.

*Peterka, J. A., "Selection of Local Peak Pressure Coefficients for Wind-Tunnel Studies of Buildings," to be presented at Sixth International Conference on Wind Engineering, Gold Coast, Australia, March 21-25, 1983, CEP82-83JAP9.

FIGURES



NORTH ELEVATION

Figure 3a. Pressure Tap Locations

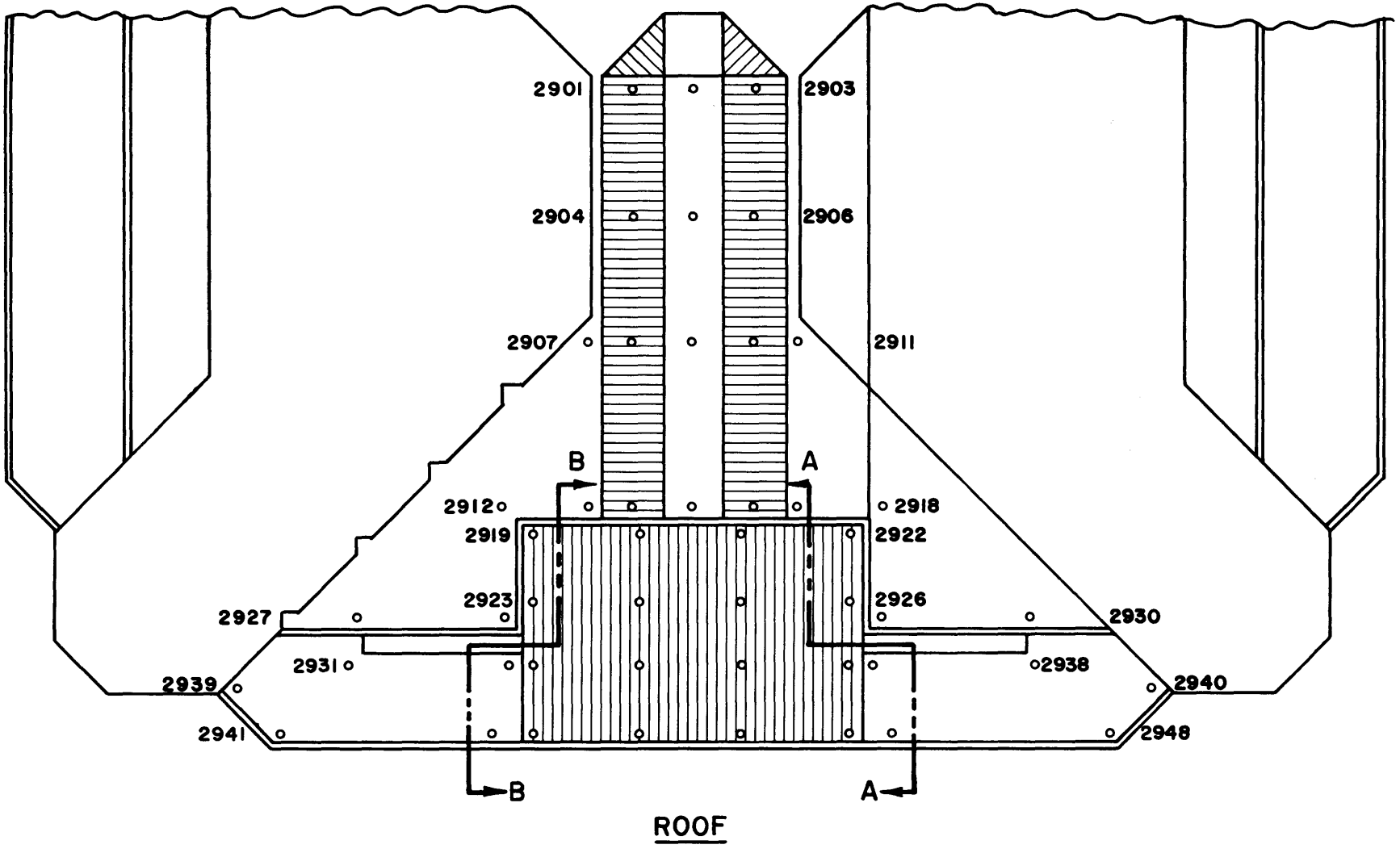
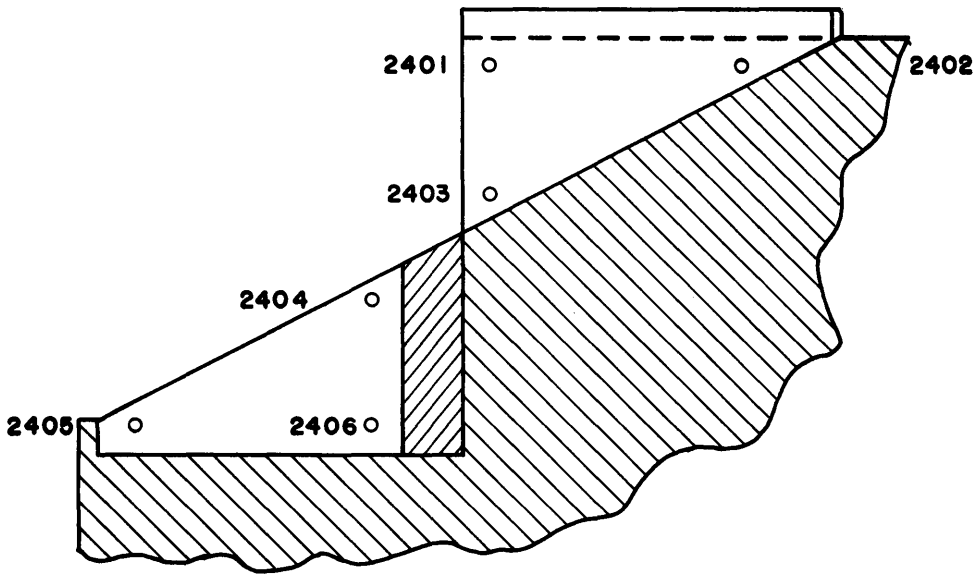
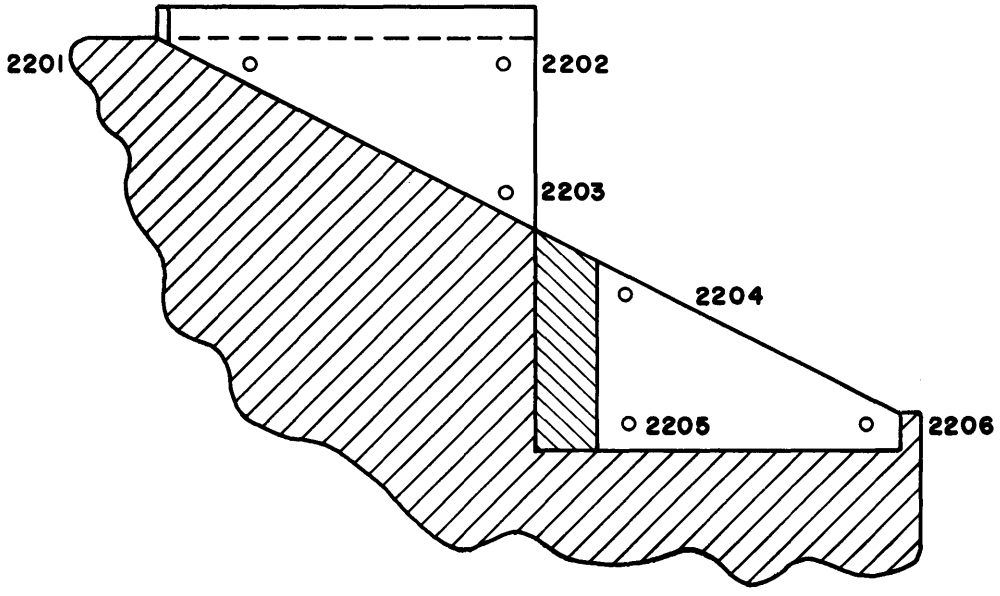


Figure 3b. Pressure Tap Locations

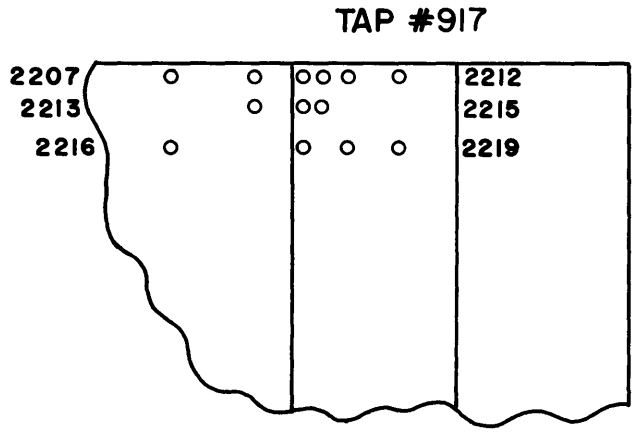


SECTION A-A



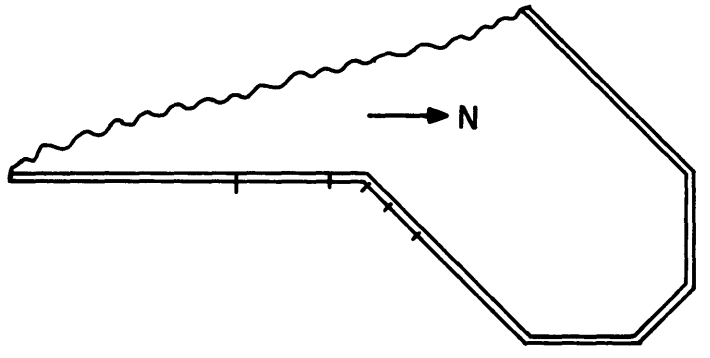
SECTION B-B

Figure 3c. Pressure Tap Locations



EAST ELEVATION

ADDED TAPS NEAR TAP #917
(SEE FIG. 3e ALSO)



PLAN

Figure 3d. Pressure Tap Locations

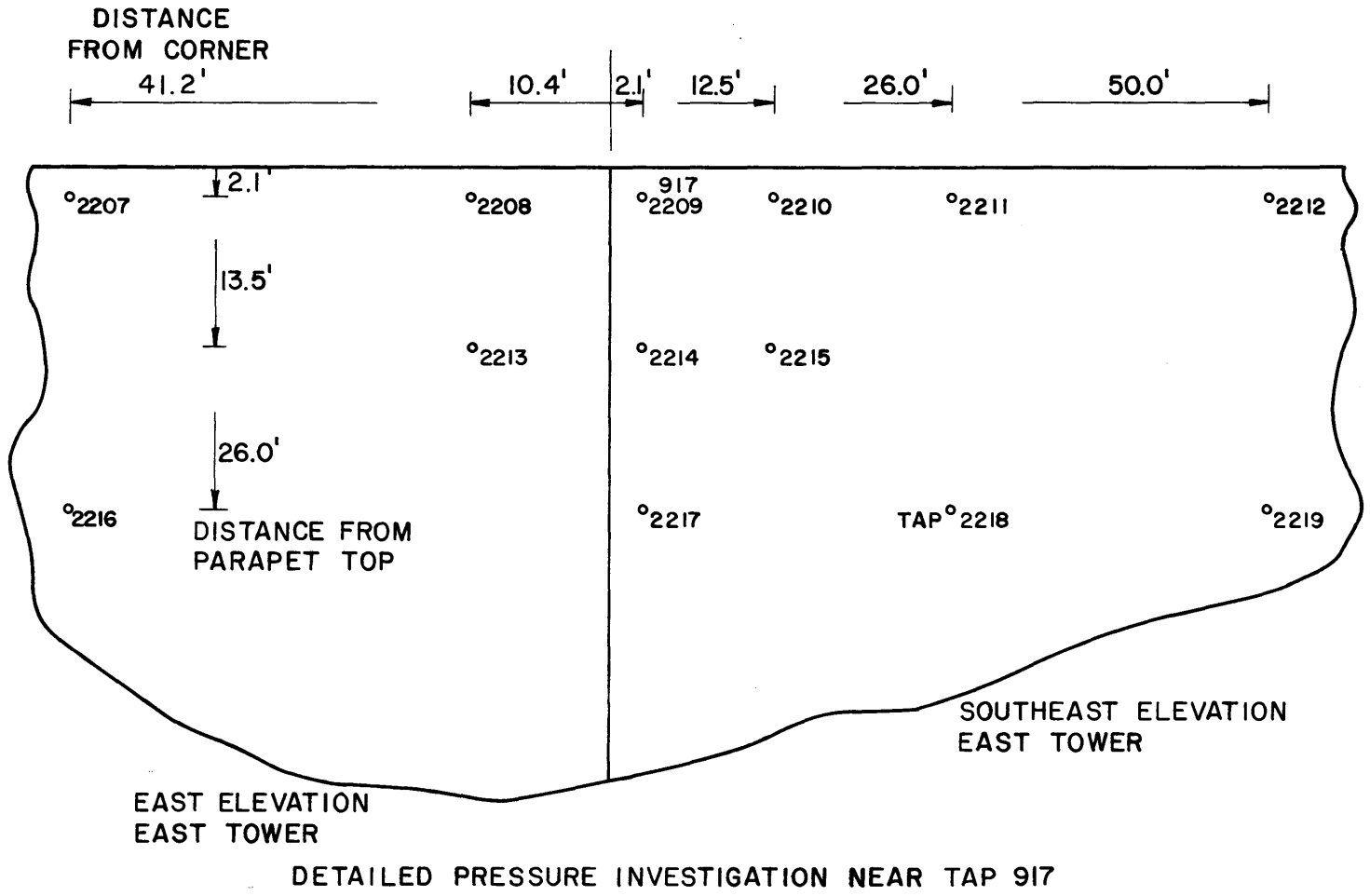


Figure 3e. Pressure Tap Locations

Figure 5. Model Installed in the Wind Tunnel

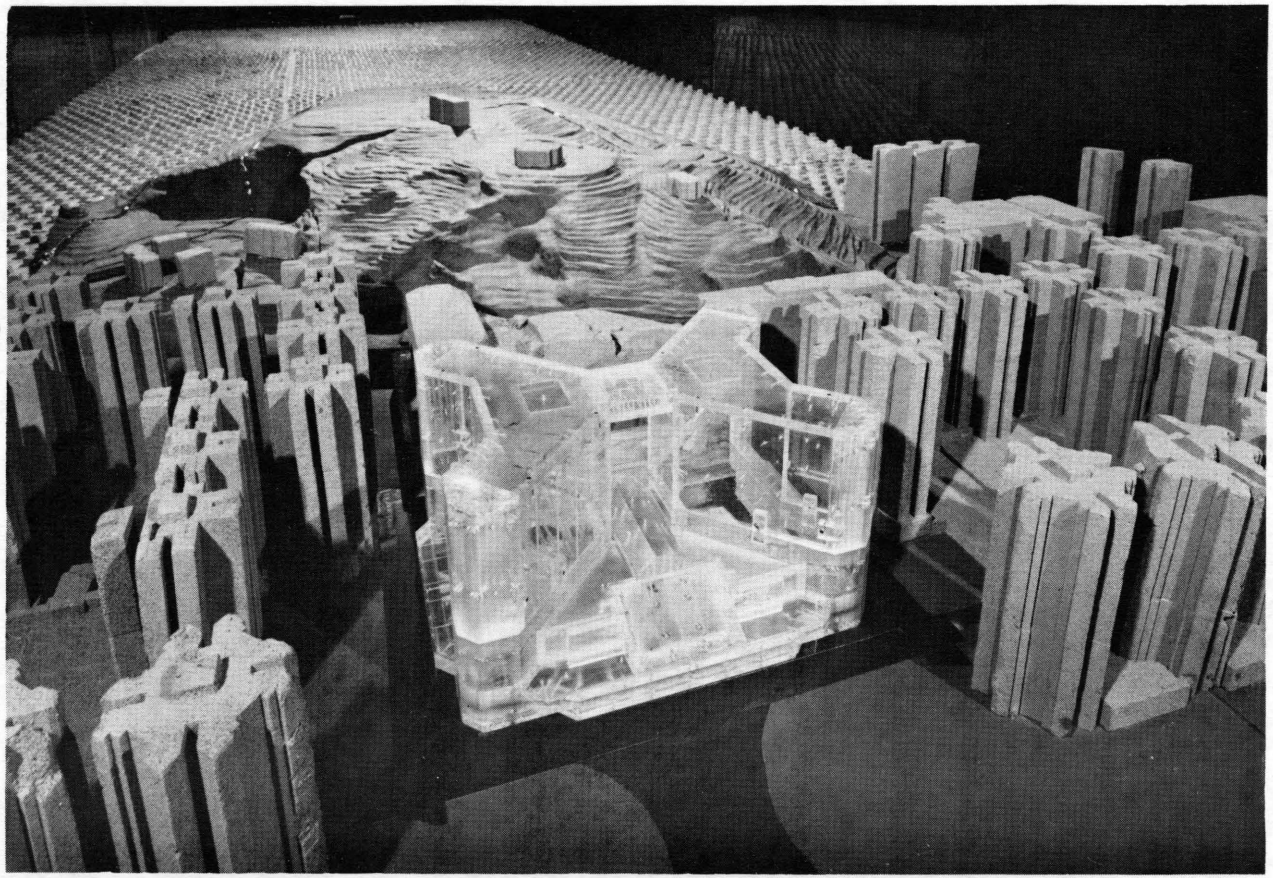
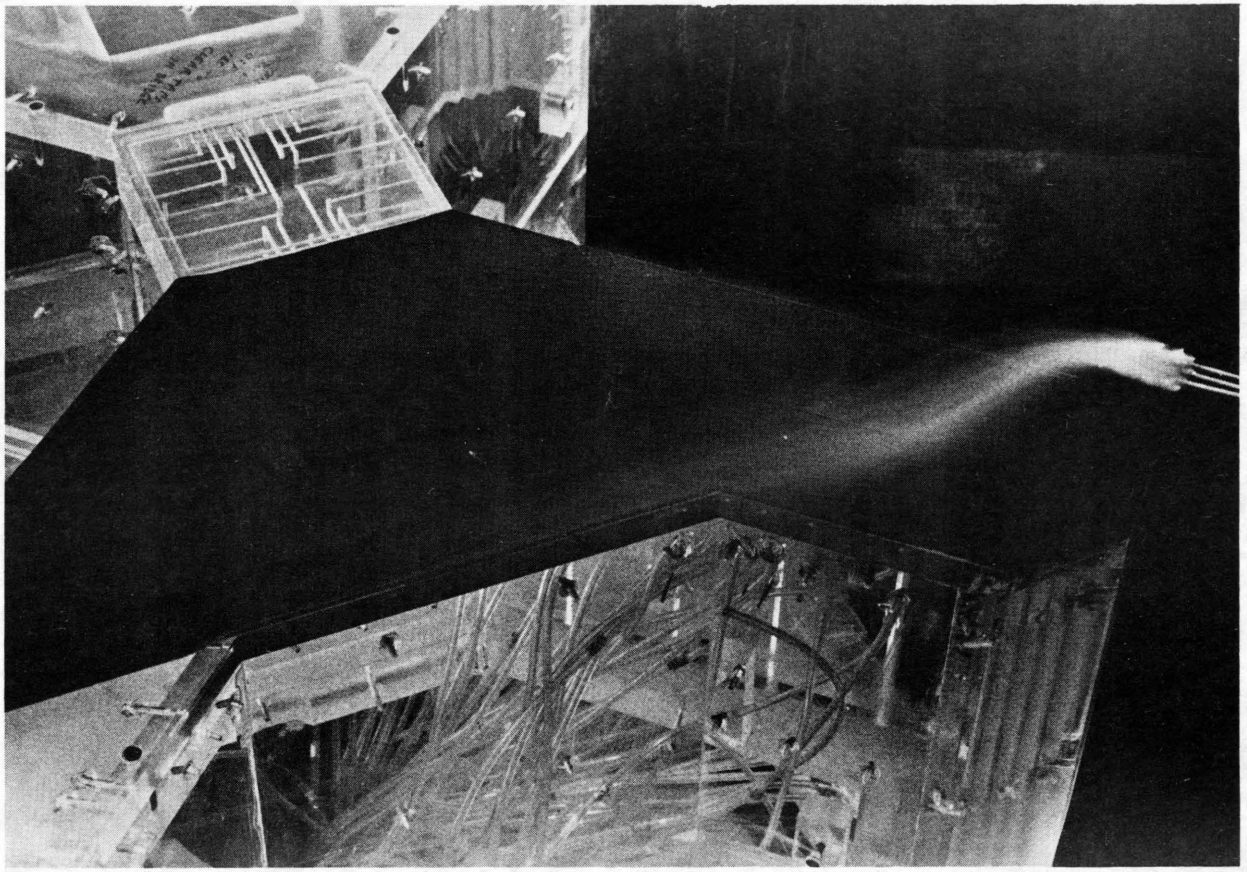


Figure 5. Model Installed in the Wind Tunnel



Flow near tap 917 when high pressures were measured.

Figure 5. Model Installed in the Wind Tunnel

BASE, MODIFIED MODEL

ROOF
PEAK NEGATIVE CLADDING LOADS (PA)
FOR 50-YEAR RECURRENCE WIND
REFERENCE PRESSURE = 2170 PA

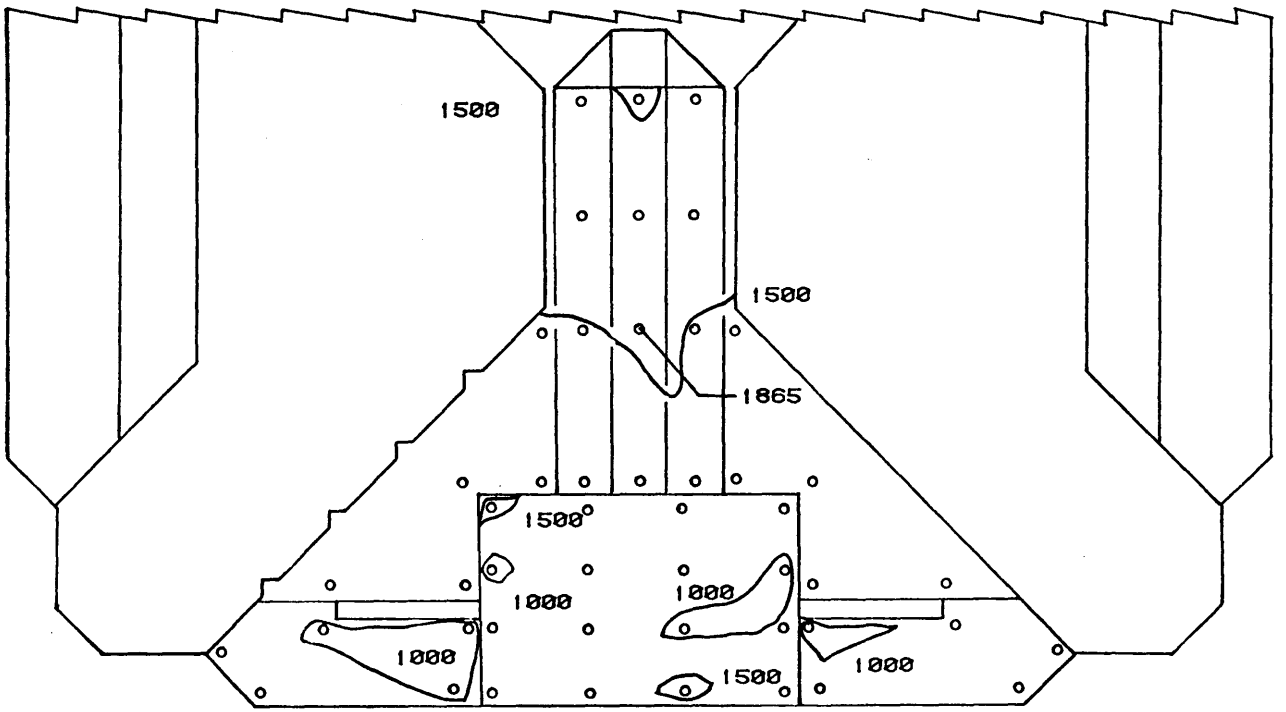


Figure 10a. Peak Pressure Contours

BASE, MODIFIED MODEL

ROOF
PEAK POSITIVE CLADDING LOADS (PA)
FOR 50-YEAR RECURRENCE WIND
REFERENCE PRESSURE = 2170 PA

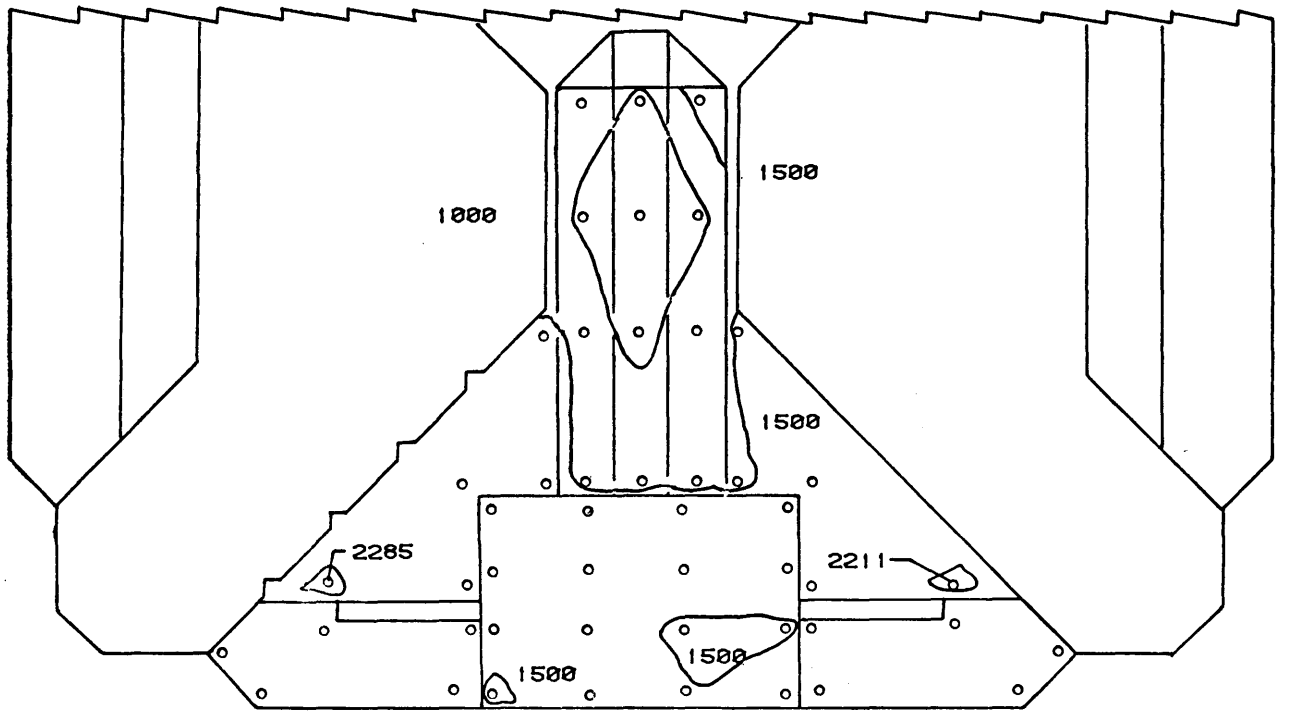


Figure 10b. Peak Pressure Contours

BASE, MODIFIED MODEL

NORTH ELEVATION
PEAK NEGATIVE CLADDING LOADS (PA)
FOR 50-YEAR RECURRENCE WIND
REFERENCE PRESSURE = 2170 PA

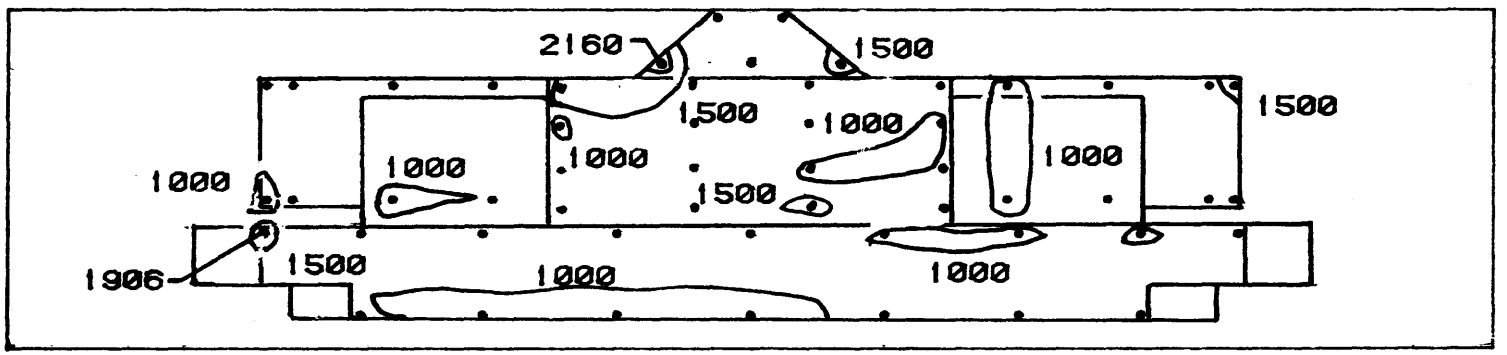


Figure 10c. Peak Pressure Contours

BASE, MODIFIED MODEL

NORTH ELEVATION
PEAK POSITIVE CLADDING LOADS (PA)
FOR 50-YEAR RECURRENCE WIND
REFERENCE PRESSURE = 2170 PA

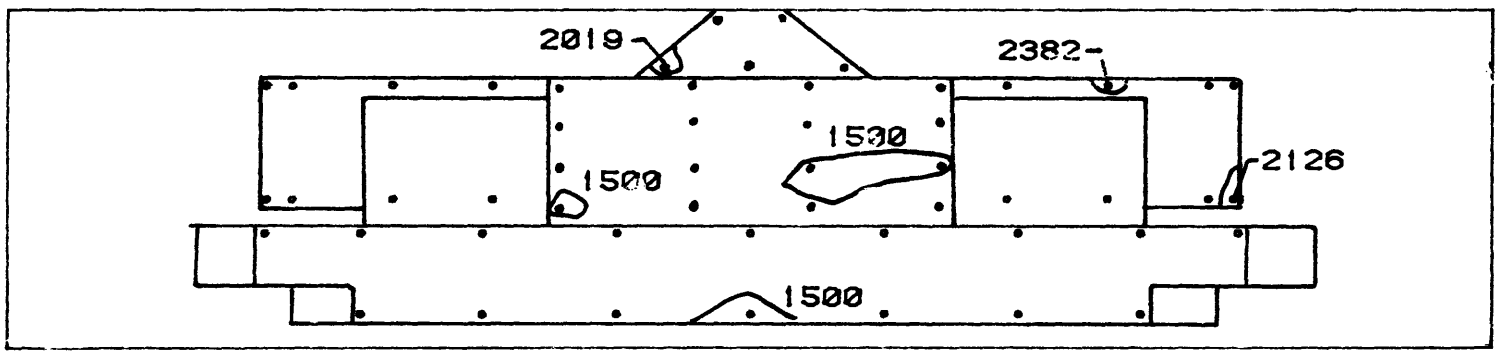


Figure 10d. Peak Pressure Contours

EAST TOWER, MODIFIED MODEL

NORTHWEST ELEVATION
PEAK NEGATIVE CLADDING LOADS (PA)
FOR 50-YEAR RECURRENCE WIND
REFERENCE PRESSURE = 2170 PA

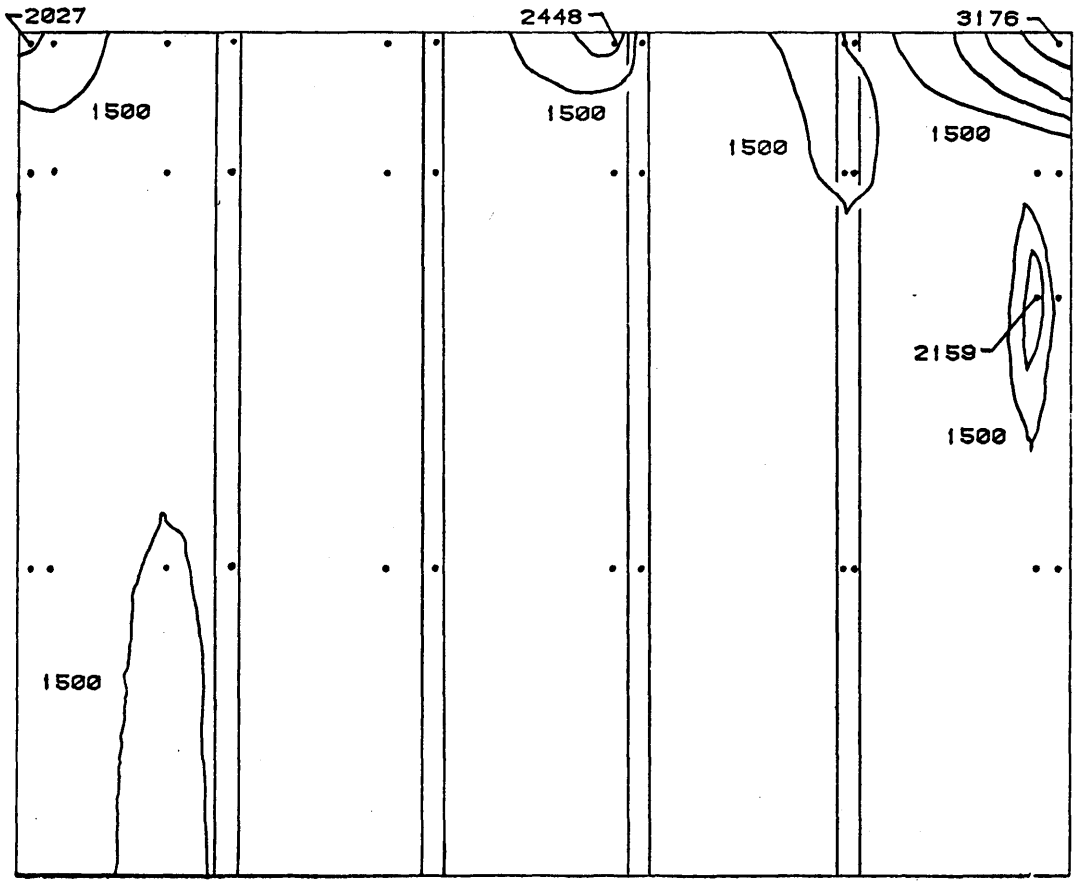


Figure 10e. Peak Pressure Contours

EAST TOWER, MODIFIED MODEL

NORTHWEST ELEVATION
PEAK POSITIVE CLADDING LOADS (PA)
FOR 50-YEAR RECURRENCE WIND
REFERENCE PRESSURE = 2170 PA

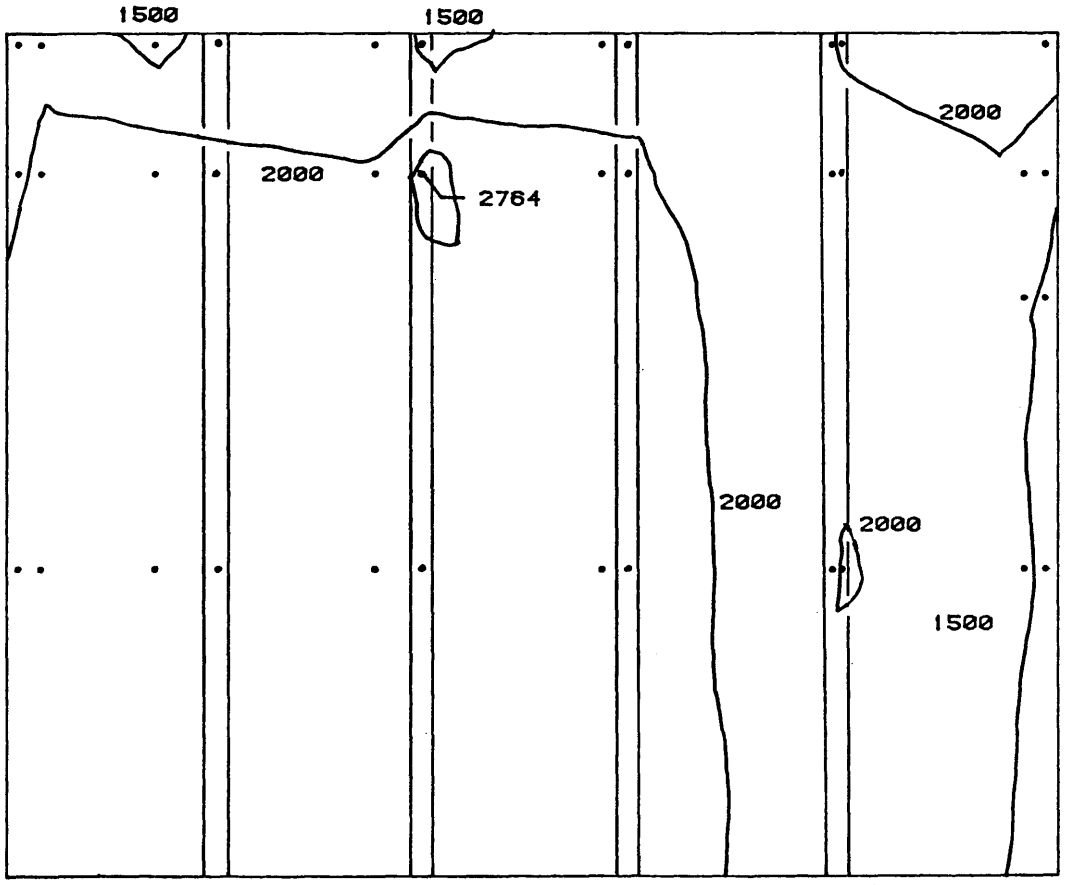
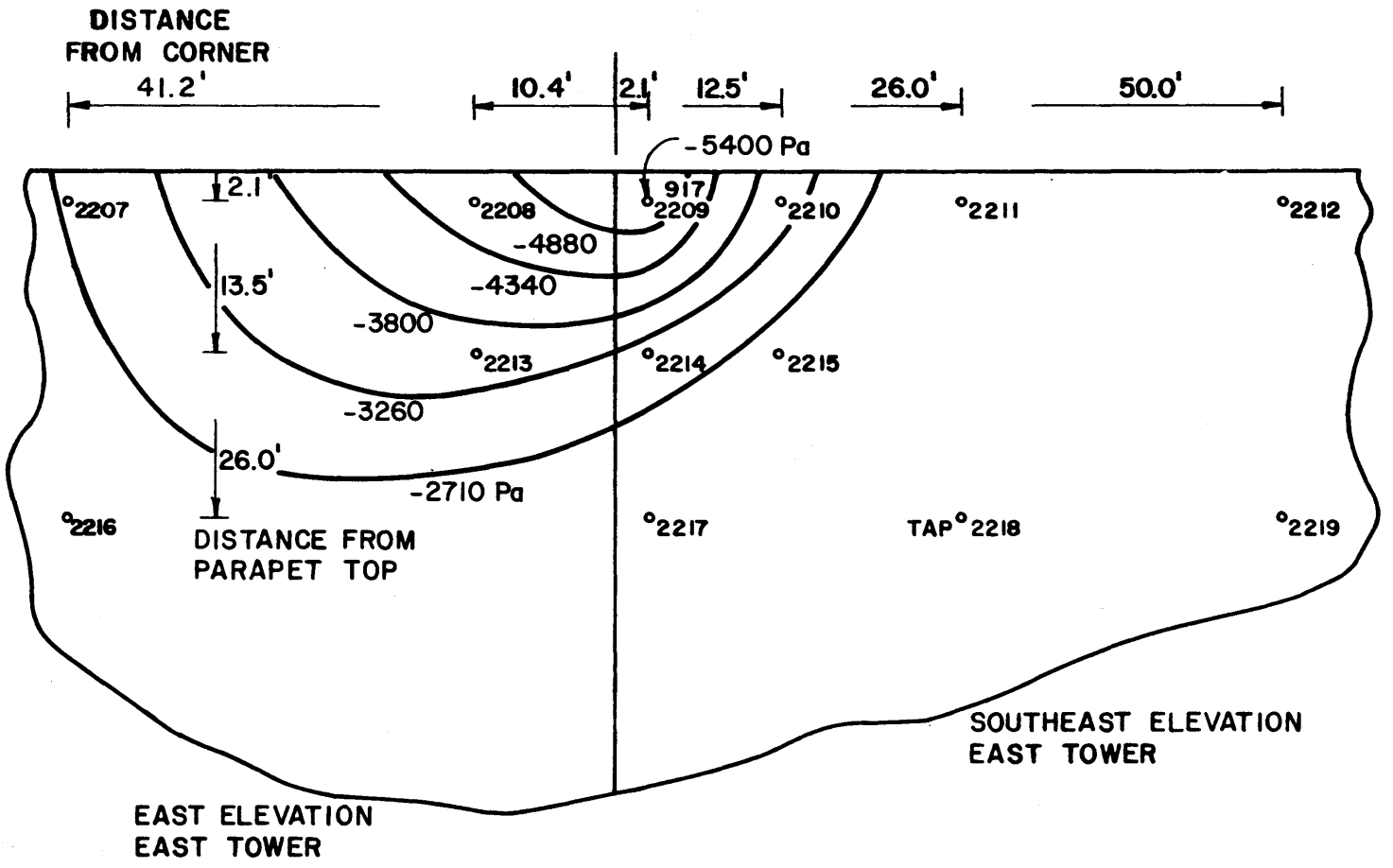


Figure 10f. Peak Pressure Contours



DETAILED PRESSURE INVESTIGATION NEAR TAP 917
PEAK PRESSURE CONTOURS IN Pa

Figure 10g. Peak Pressure Contours

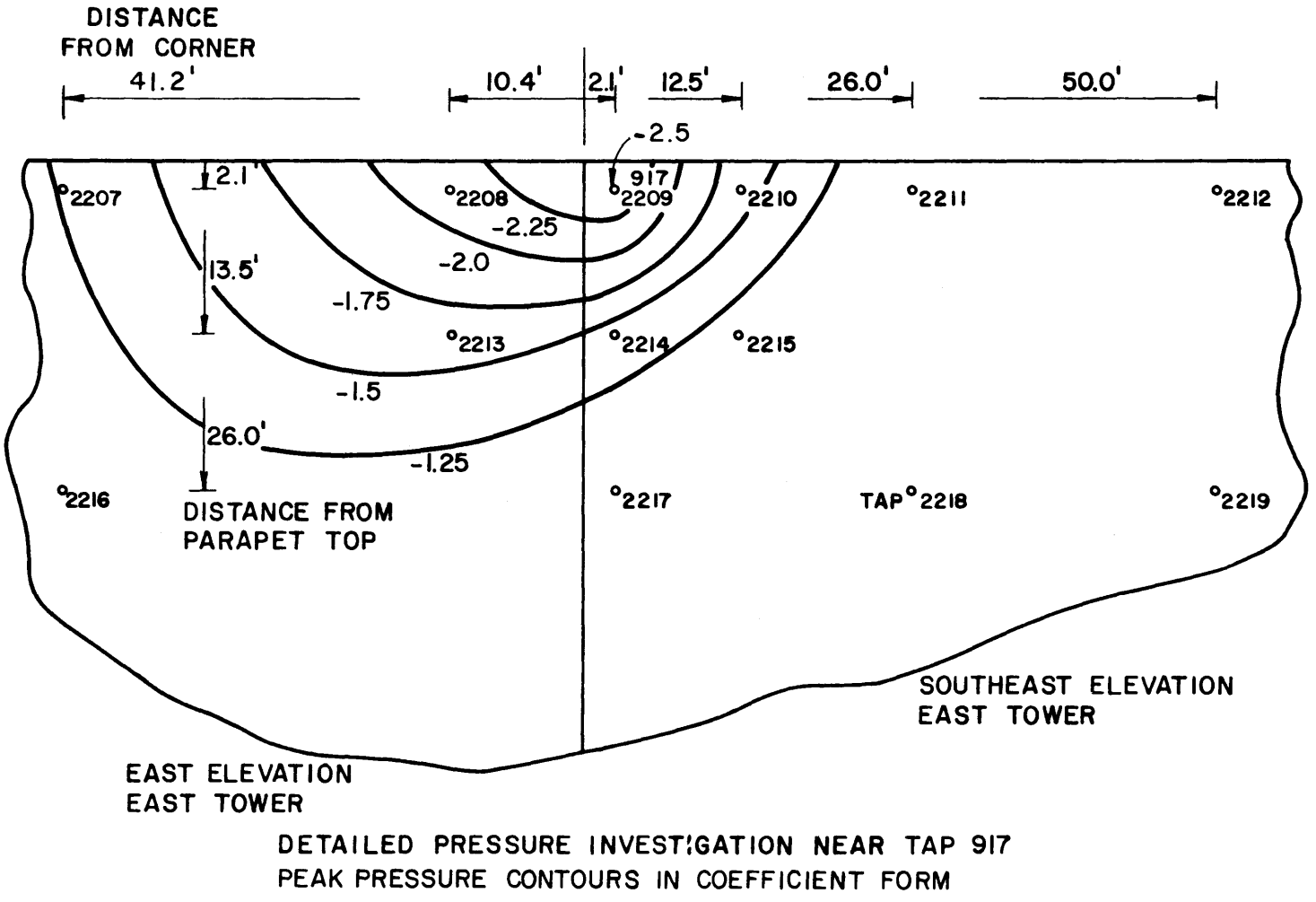


Figure 10h. Peak Pressure Contours

KEY TO CONTOUR DRAWINGS ON WEST TOWER

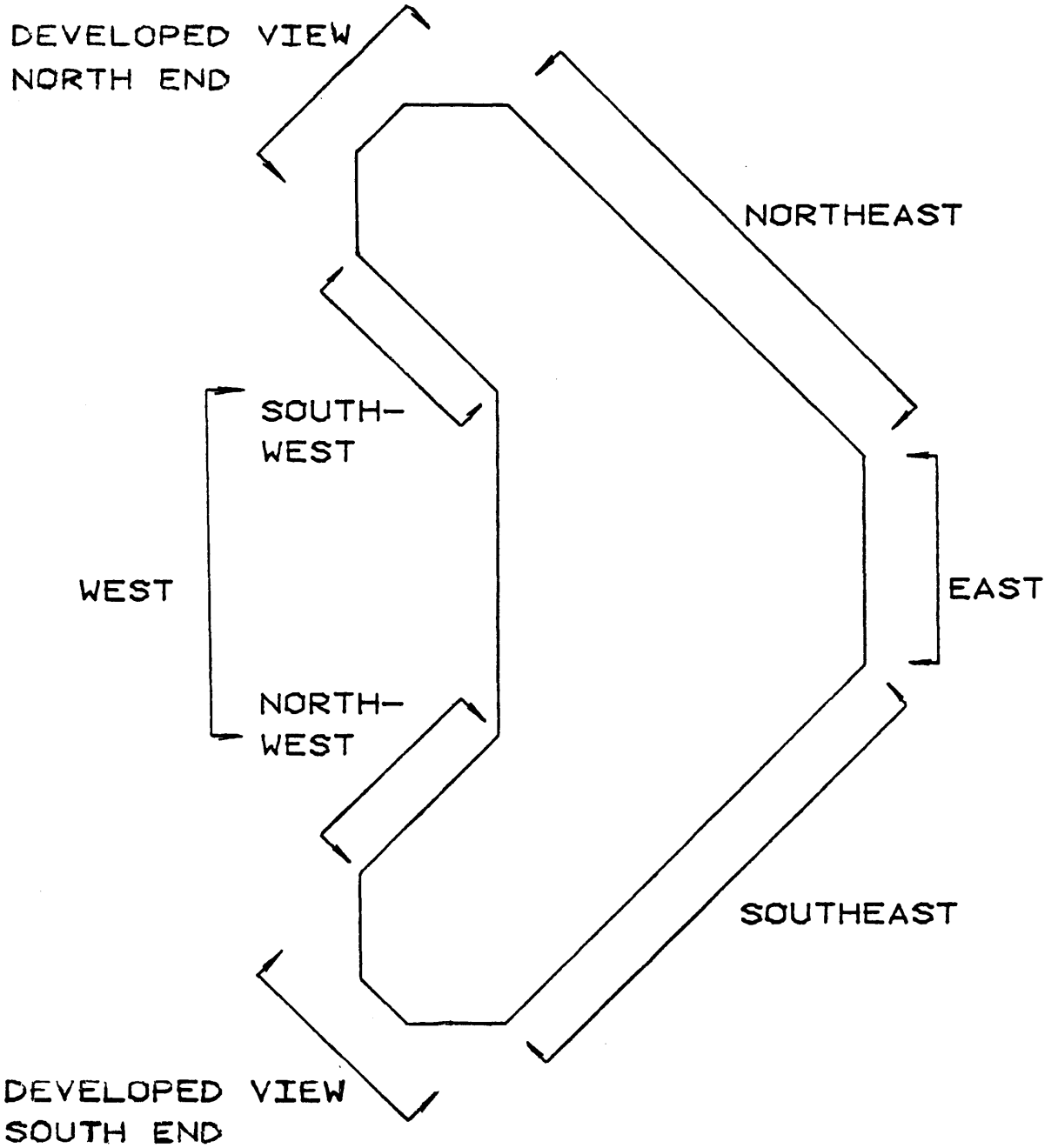


Figure 10i. Peak Pressure Contours

KEY TO CONTOUR DRAWINGS ON EAST TOWER

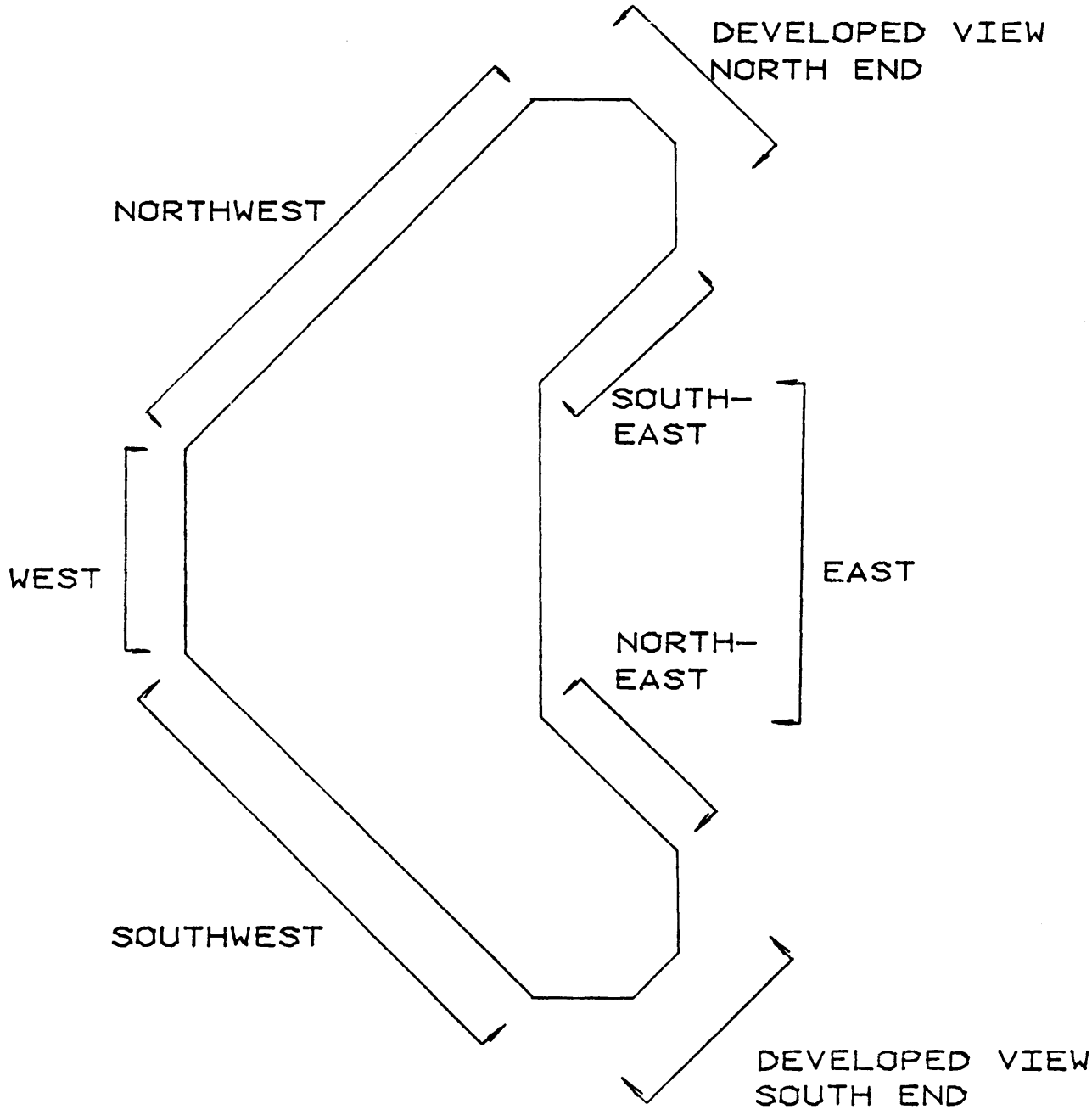


Figure 10j. Peak Pressure Contours

WEST TOWER

DEVELOPED VIEW
NORTH END
PEAK NEGATIVE PRESSURE COEFFICIENTS

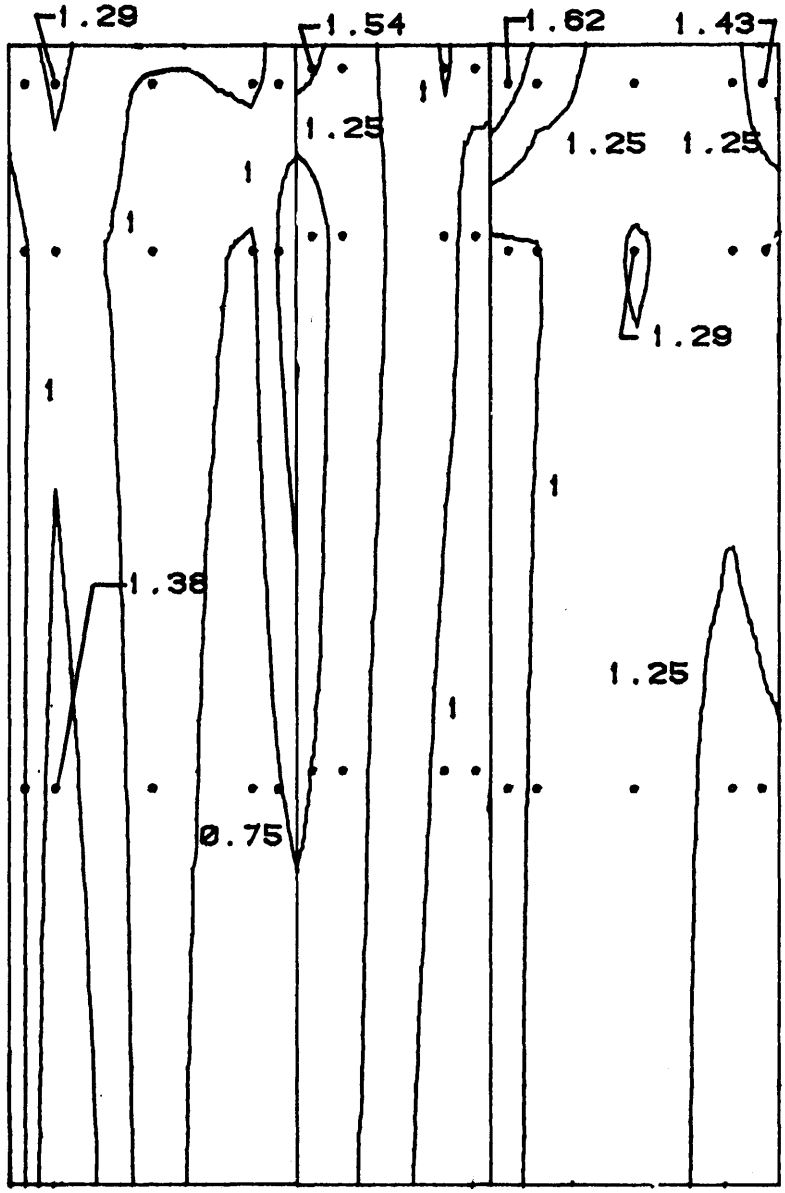


Figure 10k. Peak Pressure Contours

WEST TOWER

SOUTHWEST ELEVATION
PEAK NEGATIVE PRESSURE COEFFICIENTS

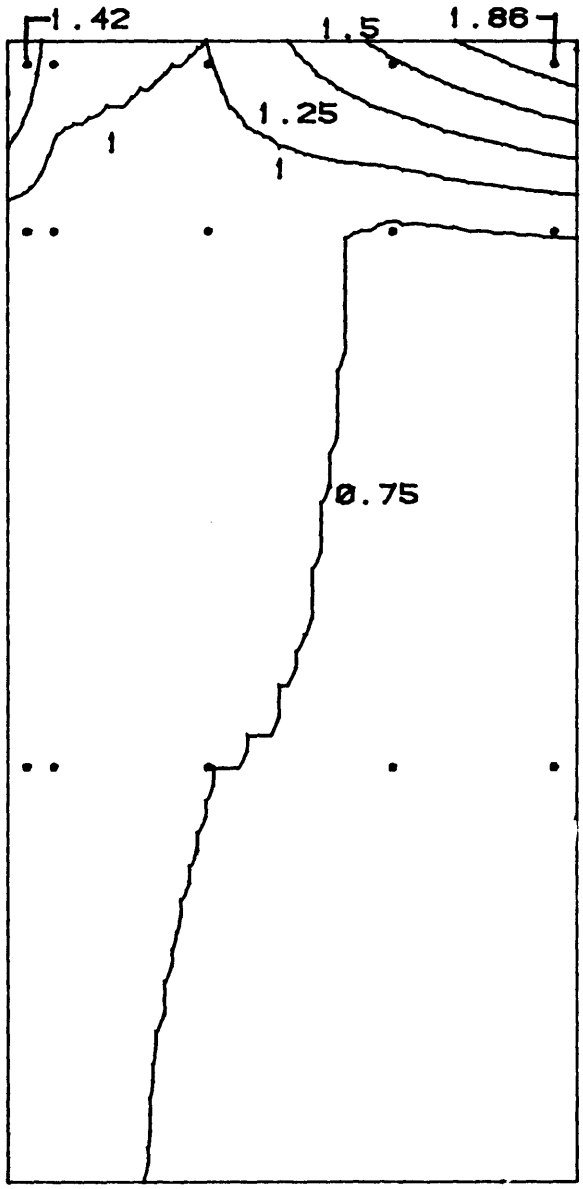


Figure 101. Peak Pressure Contours

WEST TOWER

WEST ELEVATION
PEAK NEGATIVE PRESSURE COEFFICIENTS

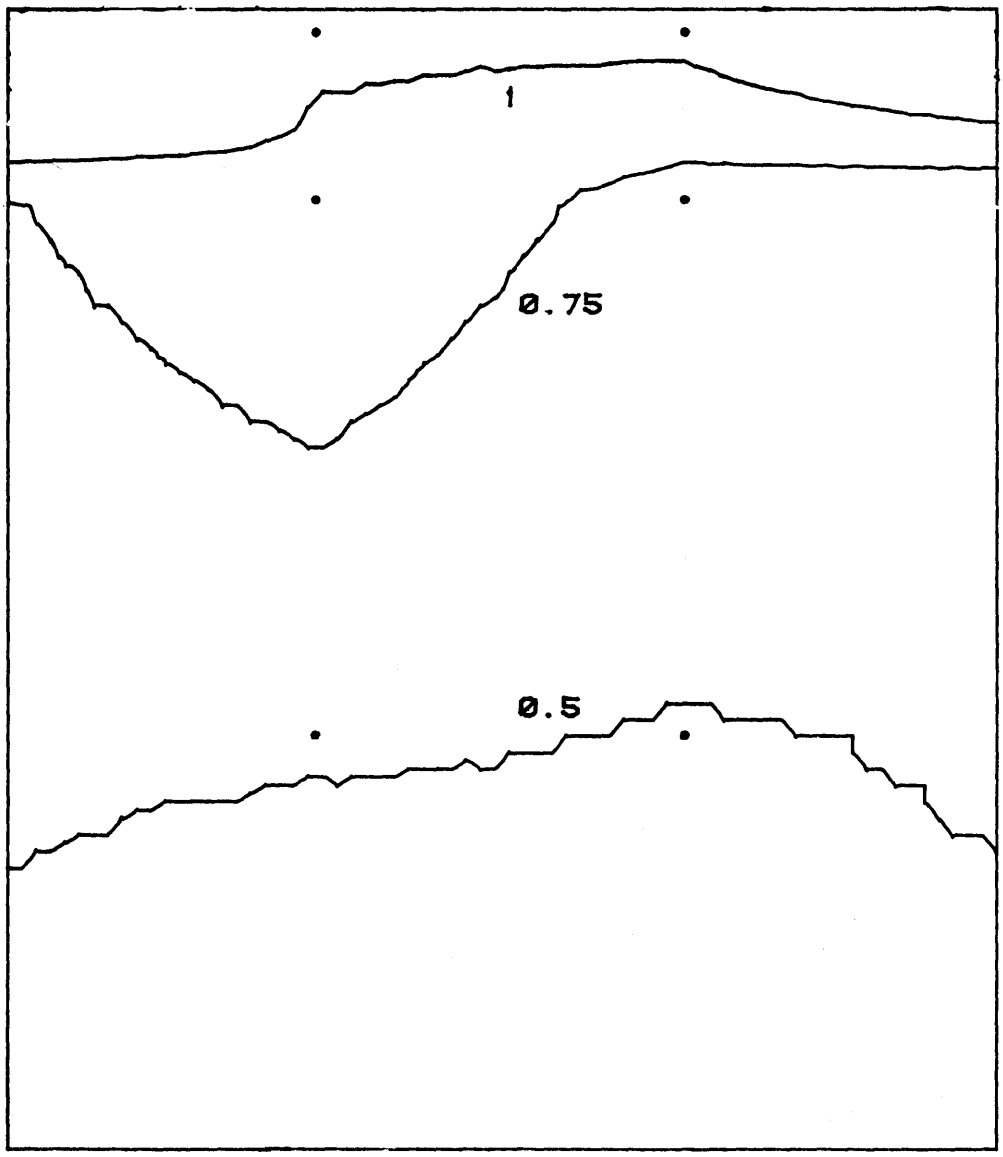


Figure 10m. Peak Pressure Contours

WEST TOWER

NORTHWEST ELEVATION
PEAK NEGATIVE PRESSURE COEFFICIENTS

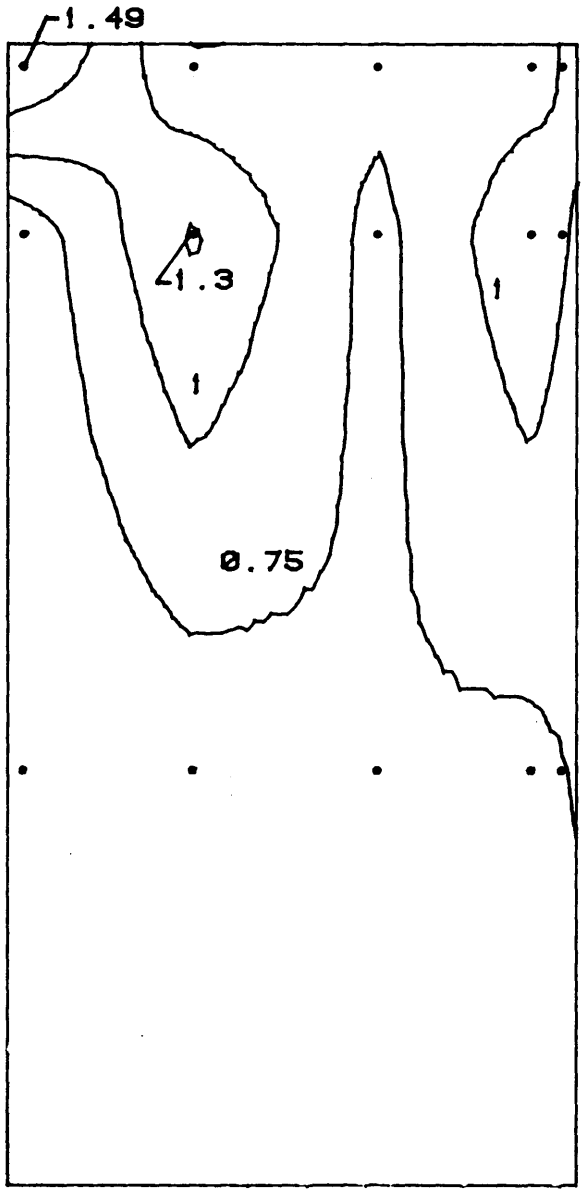


Figure 10n. Peak Pressure Contours

WEST TOWER

DEVELOPED VIEW
SOUTH END
PEAK NEGATIVE PRESSURE COEFFICIENTS

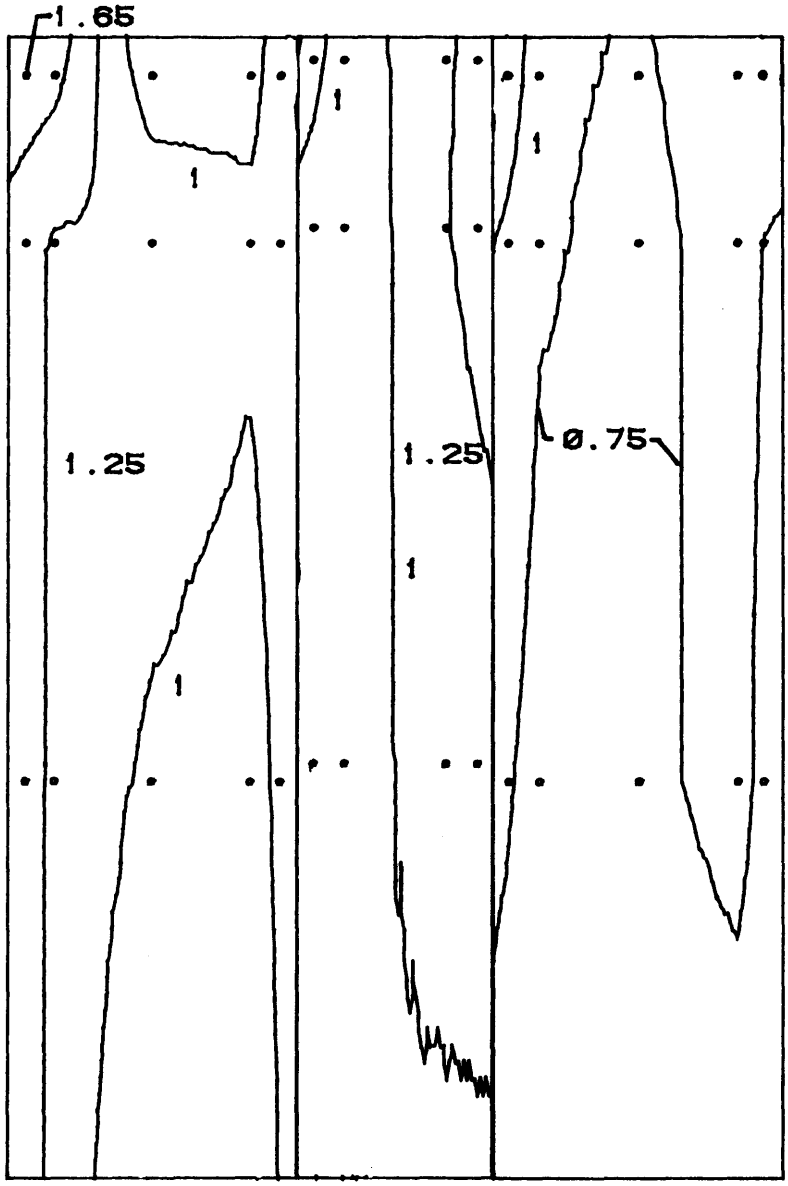


Figure 10o. Peak Pressure Contours

WEST TOWER

SOUTHEAST ELEVATION
PEAK NEGATIVE PRESSURE COEFFICIENTS

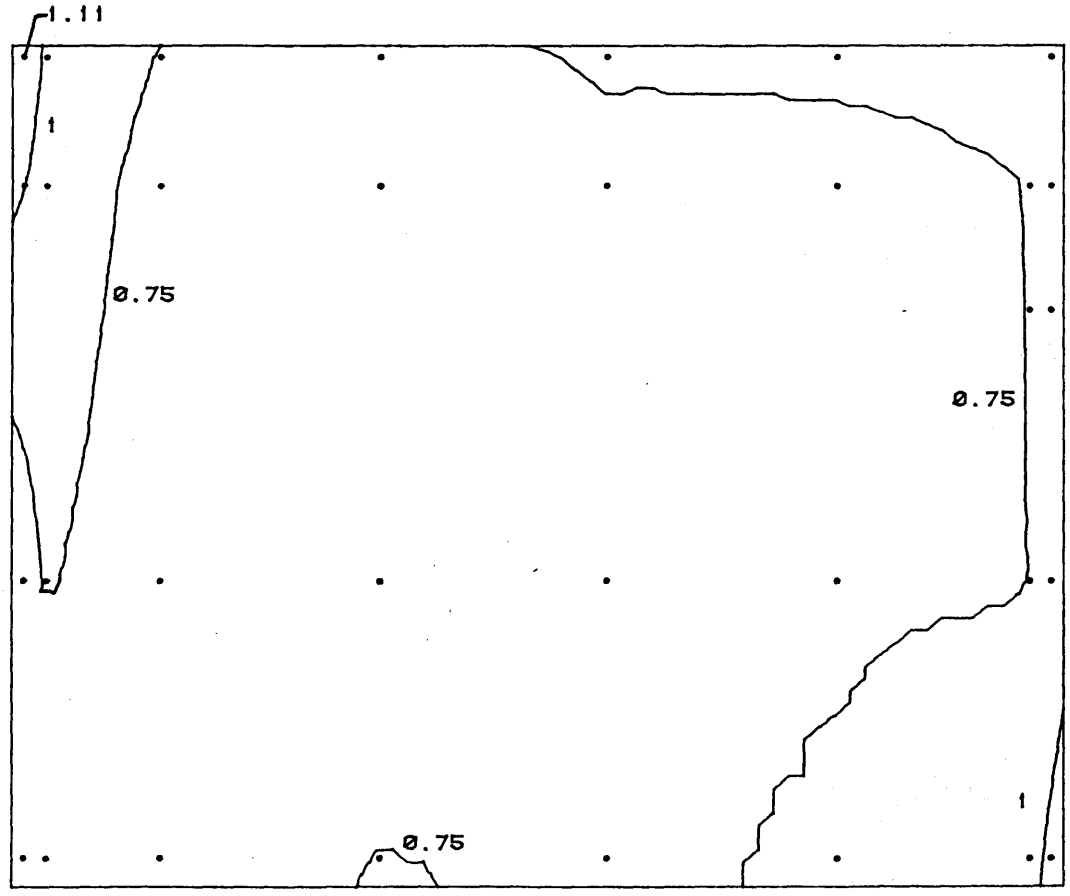


Figure 10p. Peak Pressure Contours

WEST TOWER

EAST ELEVATION
PEAK NEGATIVE PRESSURE COEFFICIENTS

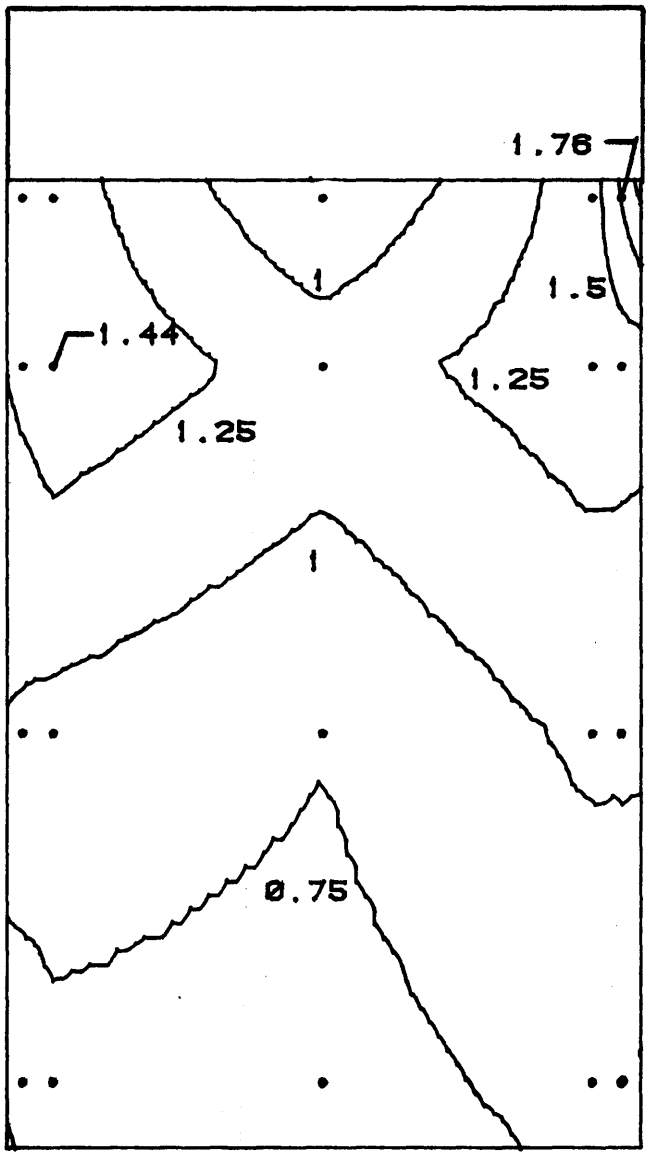


Figure 10q. Peak Pressure Contours

WEST TOWER

NORTHEAST ELEVATION
PEAK NEGATIVE PRESSURE COEFFICIENTS

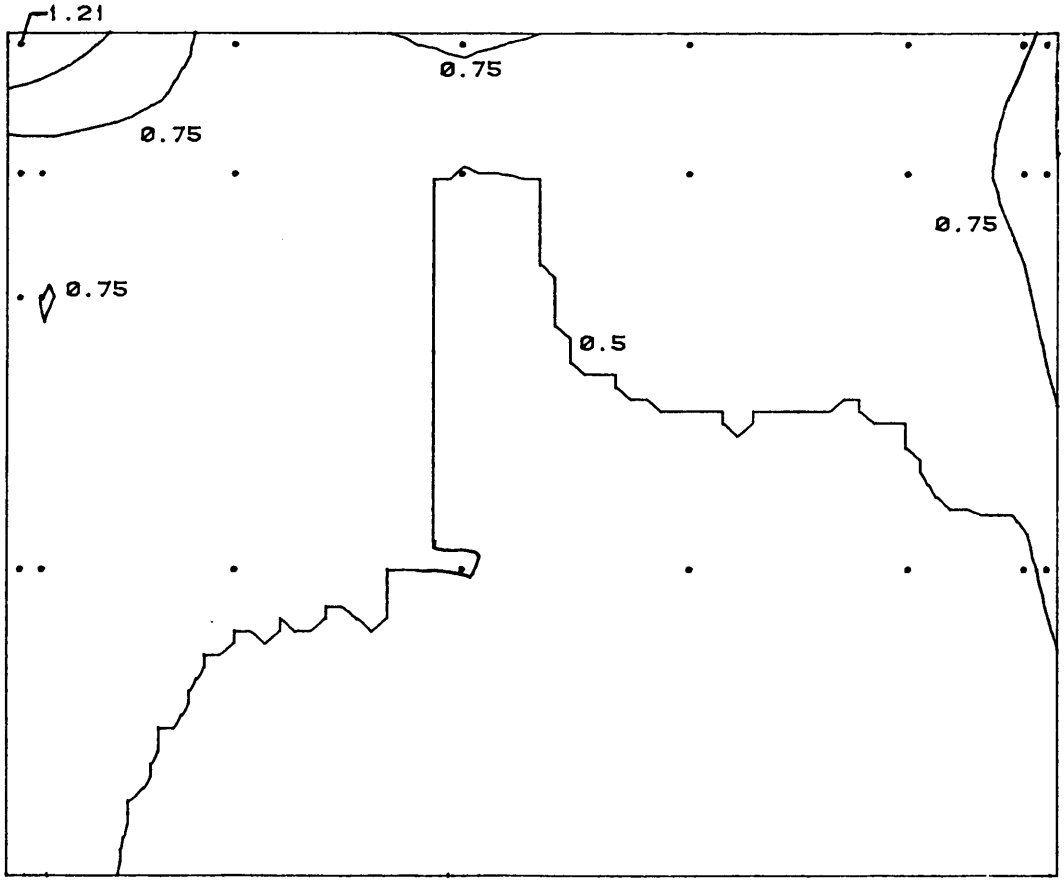


Figure 10r. Peak Pressure Contours

WEST TOWER

DEVELOPED VIEW
NORTH END
PEAK POSITIVE PRESSURE COEFFICIENTS

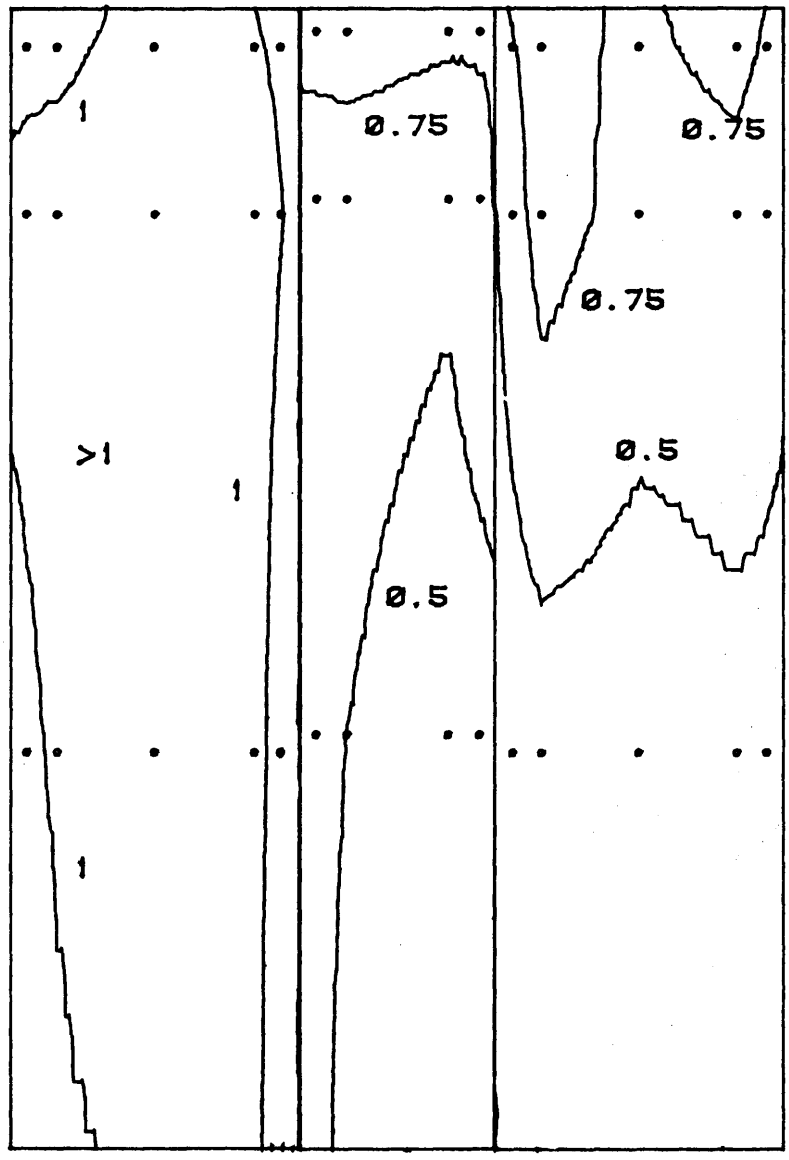


Figure 10s. Peak Pressure Contours

WEST TOWER

SOUTHWEST ELEVATION
PEAK POSITIVE PRESSURE COEFFICIENTS

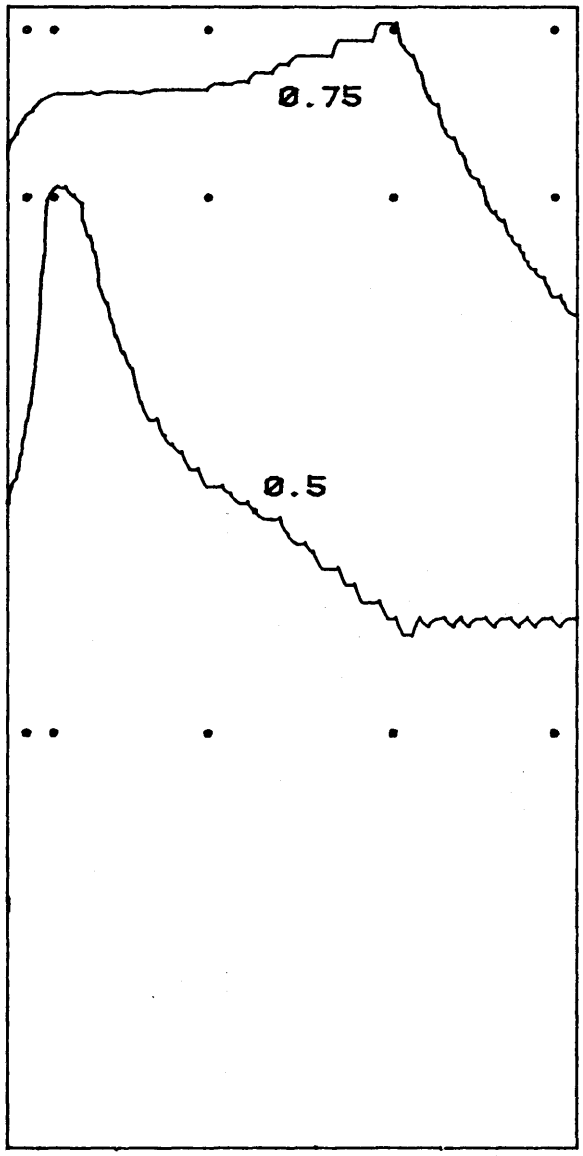


Figure 10t. Peak Pressure Contours

WEST TOWER

WEST ELEVATION
PEAK POSITIVE PRESSURE COEFFICIENTS

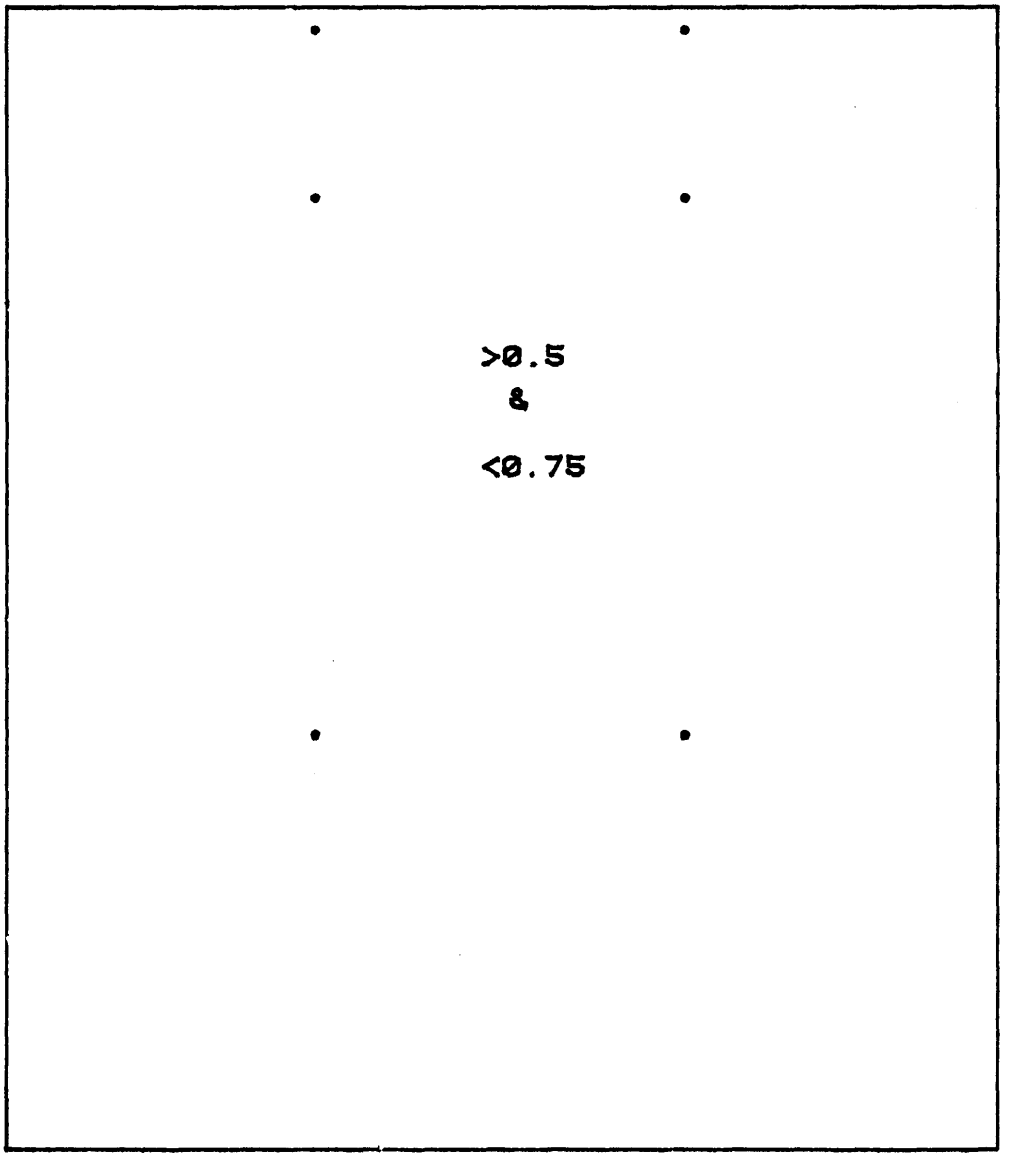


Figure 10u. Peak Pressure Contours

WEST TOWER

NORTHWEST ELEVATION
PEAK POSITIVE PRESSURE COEFFICIENTS

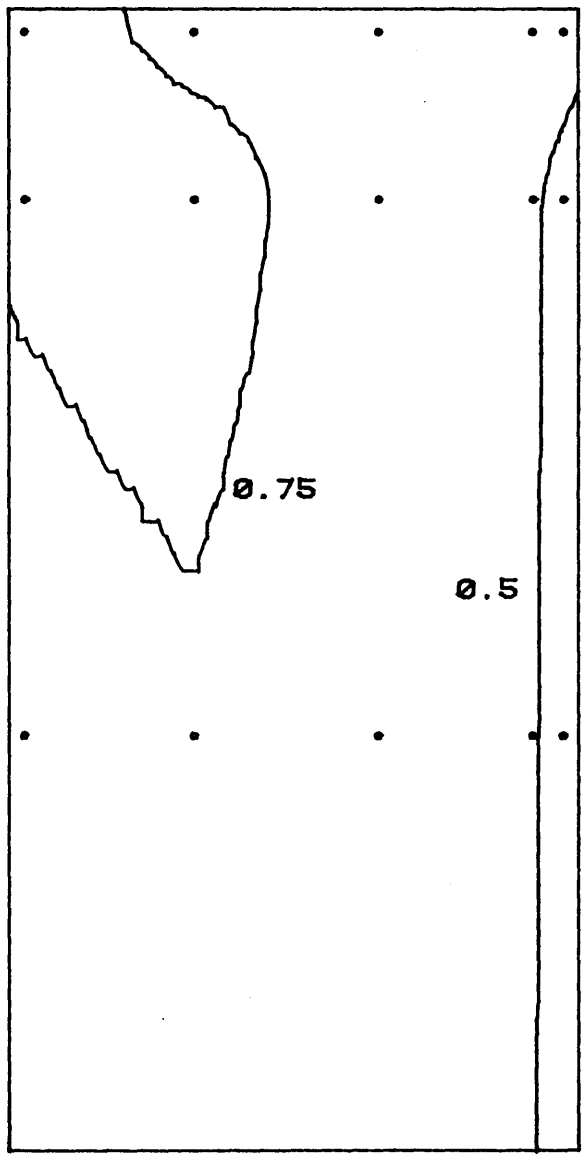


Figure 10v. Peak Pressure Contours

WEST TOWER

DEVELOPED VIEW
SOUTH END
PEAK POSITIVE PRESSURE COEFFICIENTS

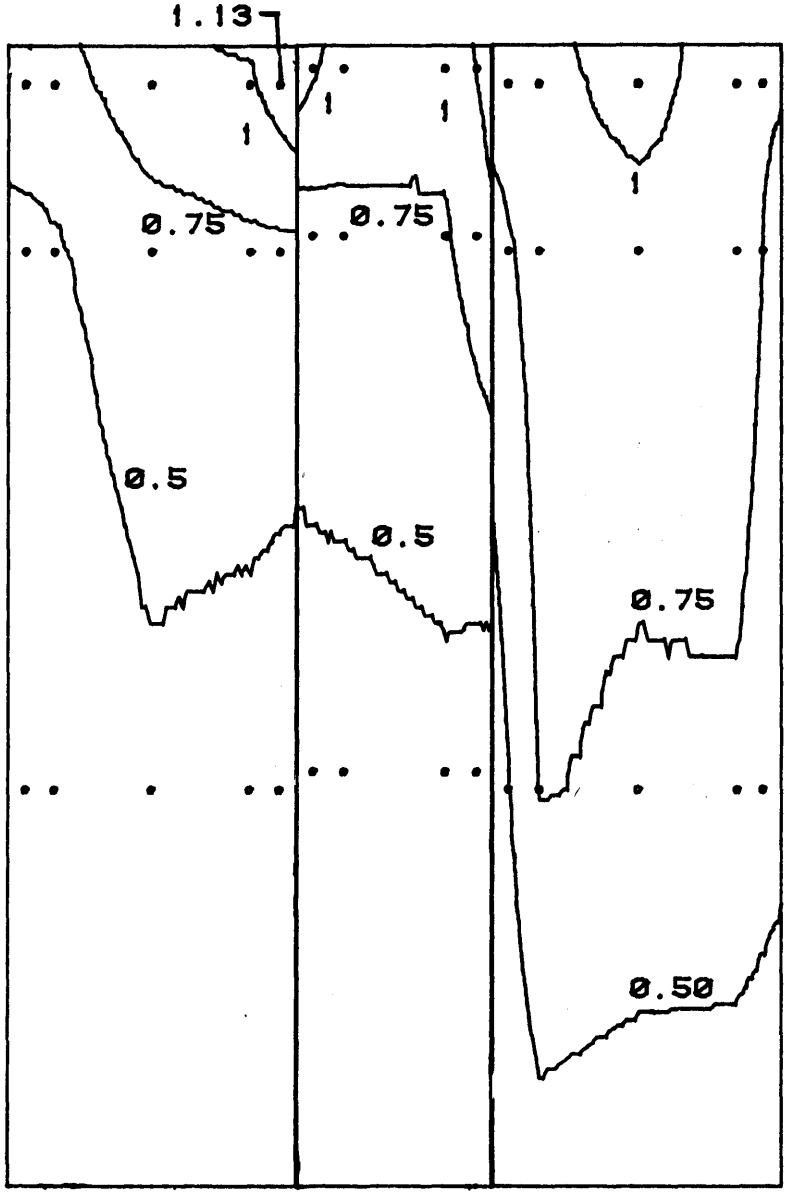


Figure 10w. Peak Pressure Contours

WEST TOWER

SOUTHEAST ELEVATION
PEAK POSITIVE PRESSURE COEFFICIENTS

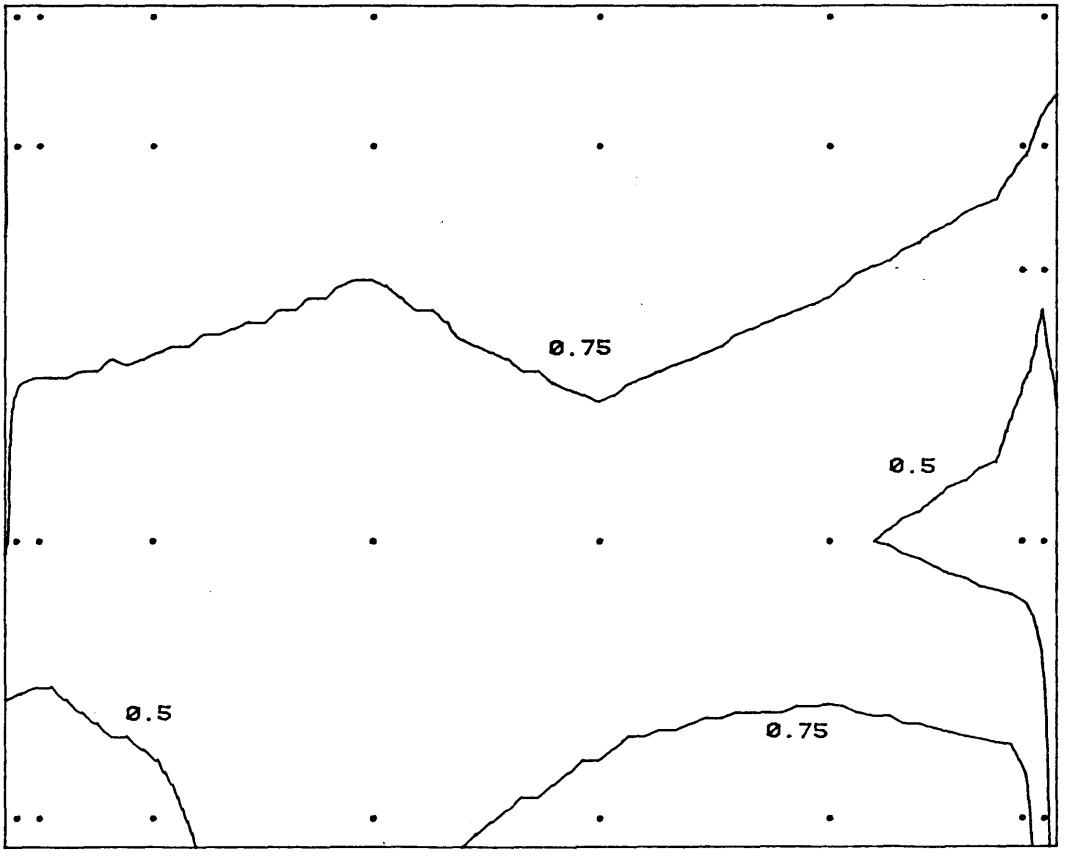


Figure 10x. Peak Pressure Contours

WEST TOWER

EAST ELEVATION
PEAK POSITIVE PRESSURE COEFFICIENTS

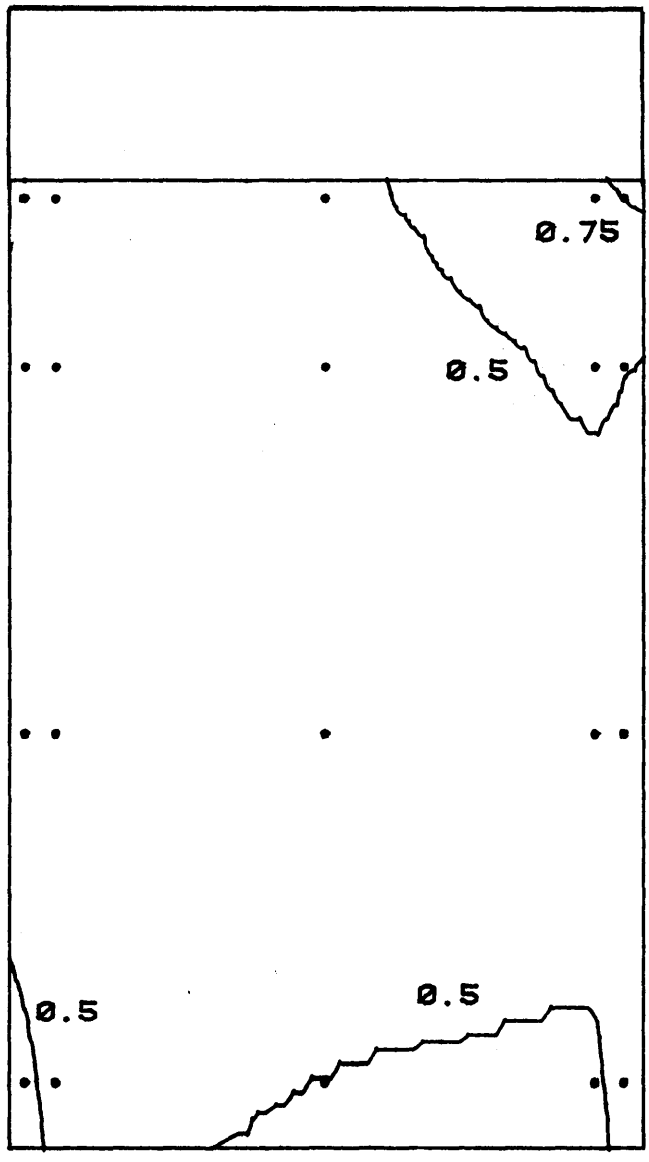


Figure 10y. Peak Pressure Contours

WEST TOWER

NORTHEAST ELEVATION
PEAK POSITIVE PRESSURE COEFFICIENTS

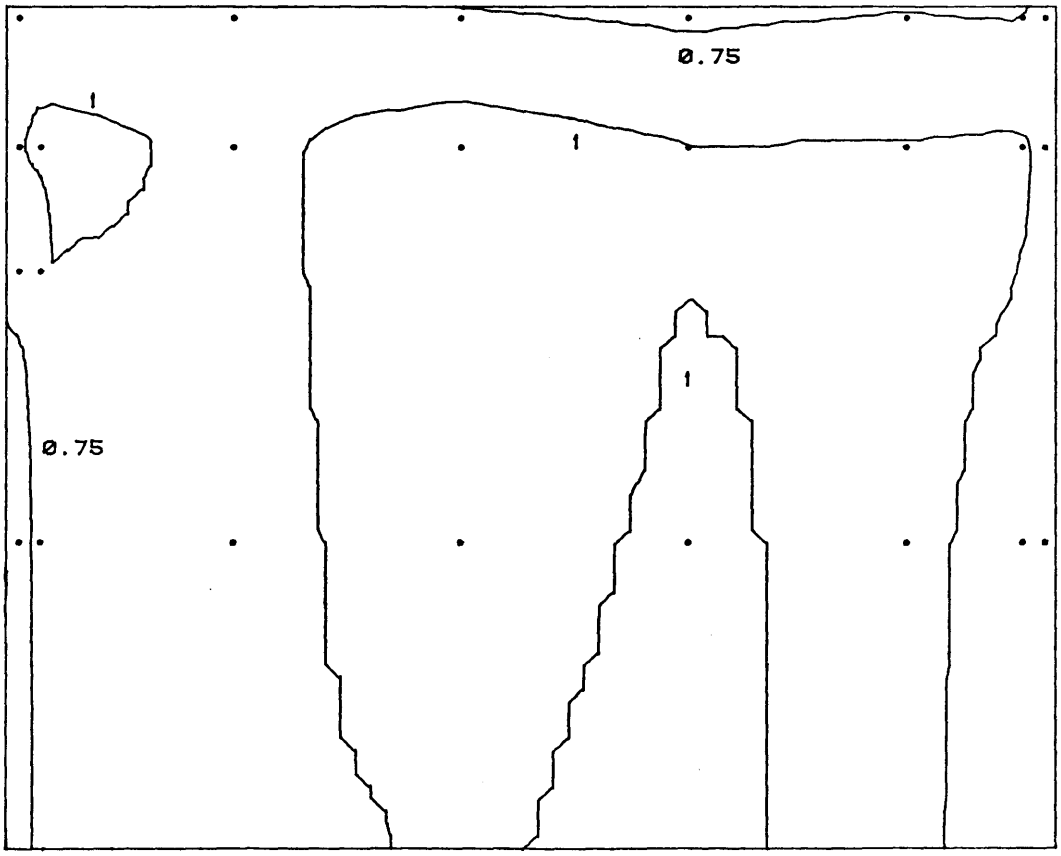


Figure 10z. Peak Pressure Contours

EAST TOWER

DEVELOPED VIEW
NORTH END
PEAK NEGATIVE PRESSURE COEFFICIENTS

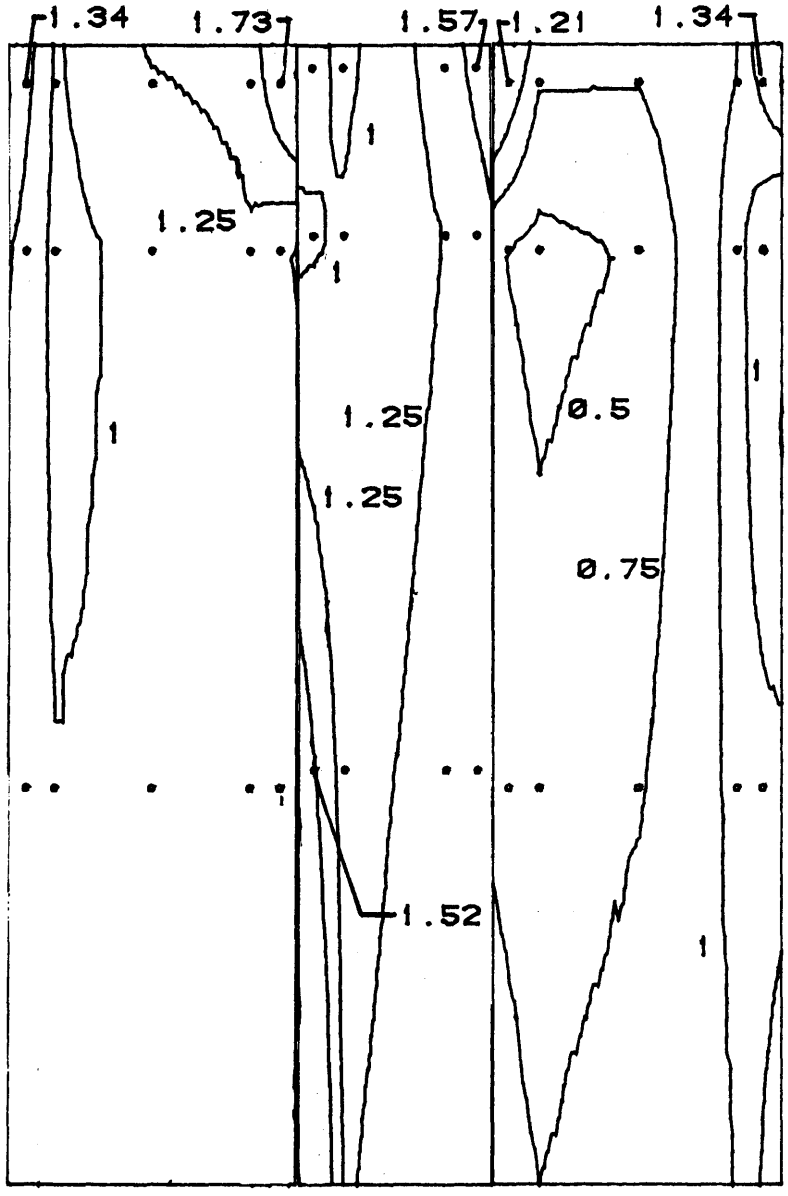


Figure 10A. Peak Pressure Contours

EAST TOWER

NORTHWEST ELEVATION
PEAK NEGATIVE PRESSURE COEFFICIENTS

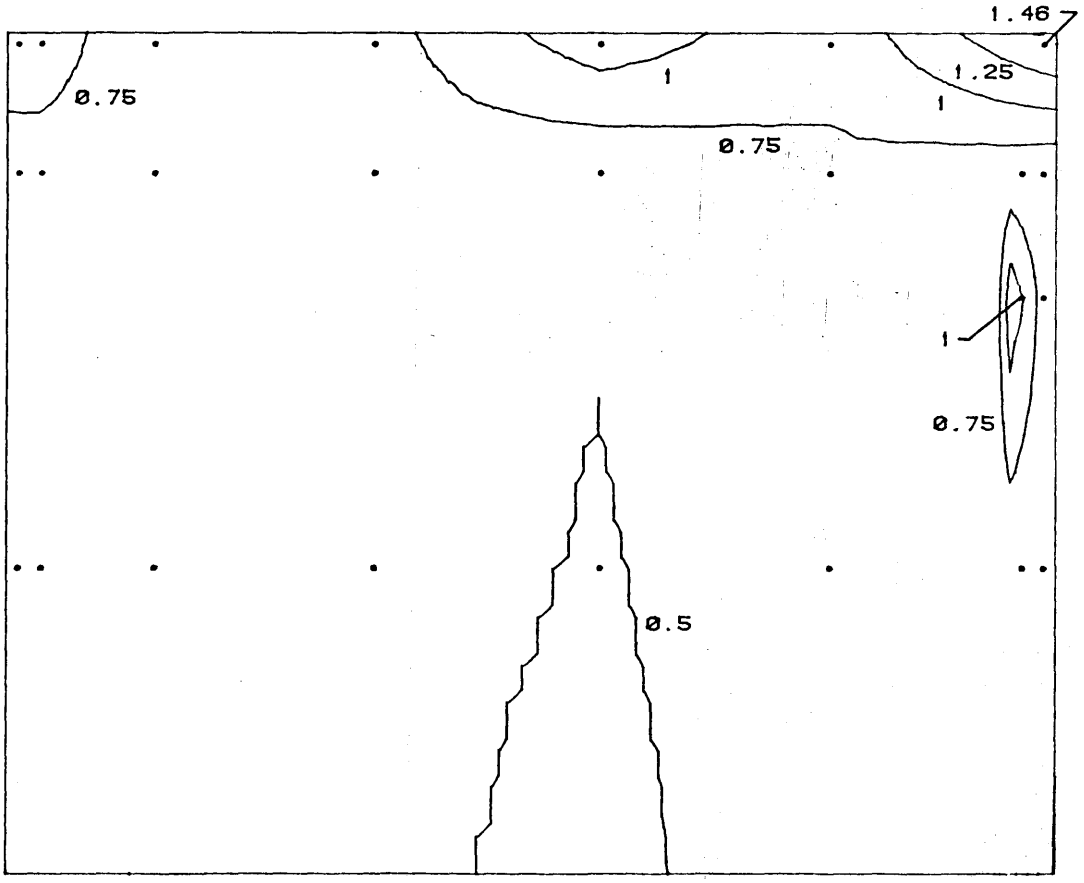


Figure 10B. Peak Pressure Contours

EAST TOWER

WEST ELEVATION
PEAK NEGATIVE PRESSURE COEFFICIENTS

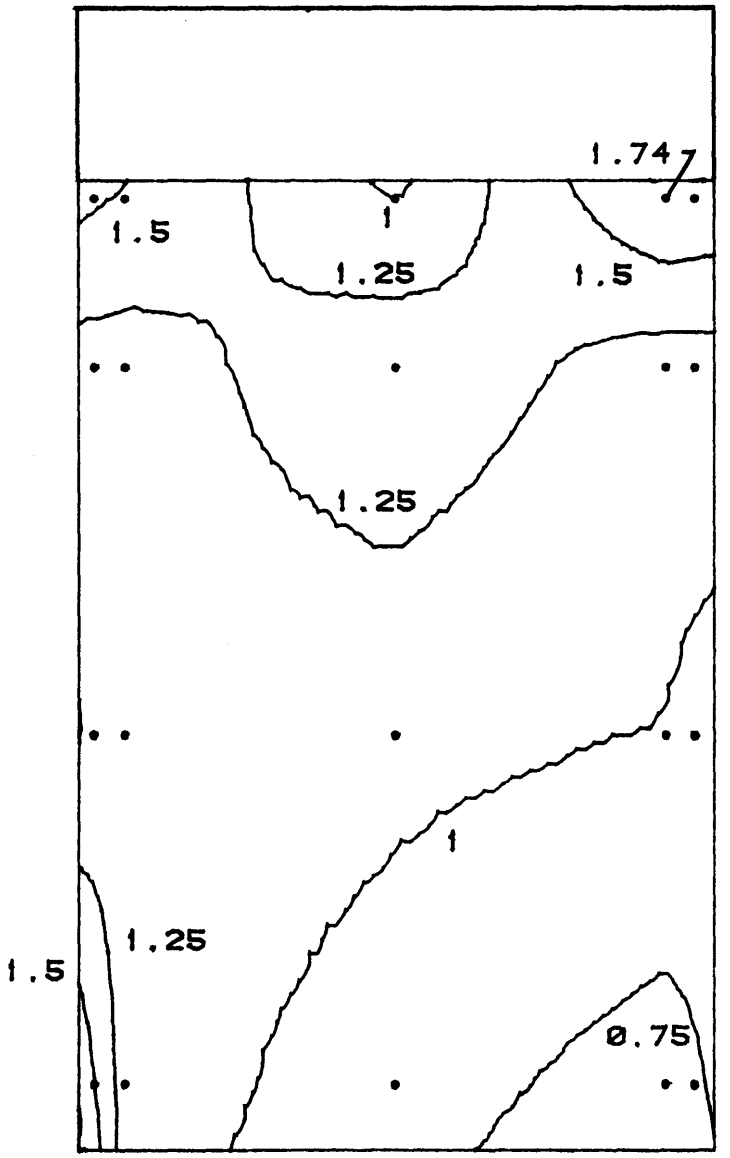


Figure 10C. Peak Pressure Contours

EAST TOWER

SOUTHWEST ELEVATION
PEAK NEGATIVE PRESSURE COEFFICIENTS

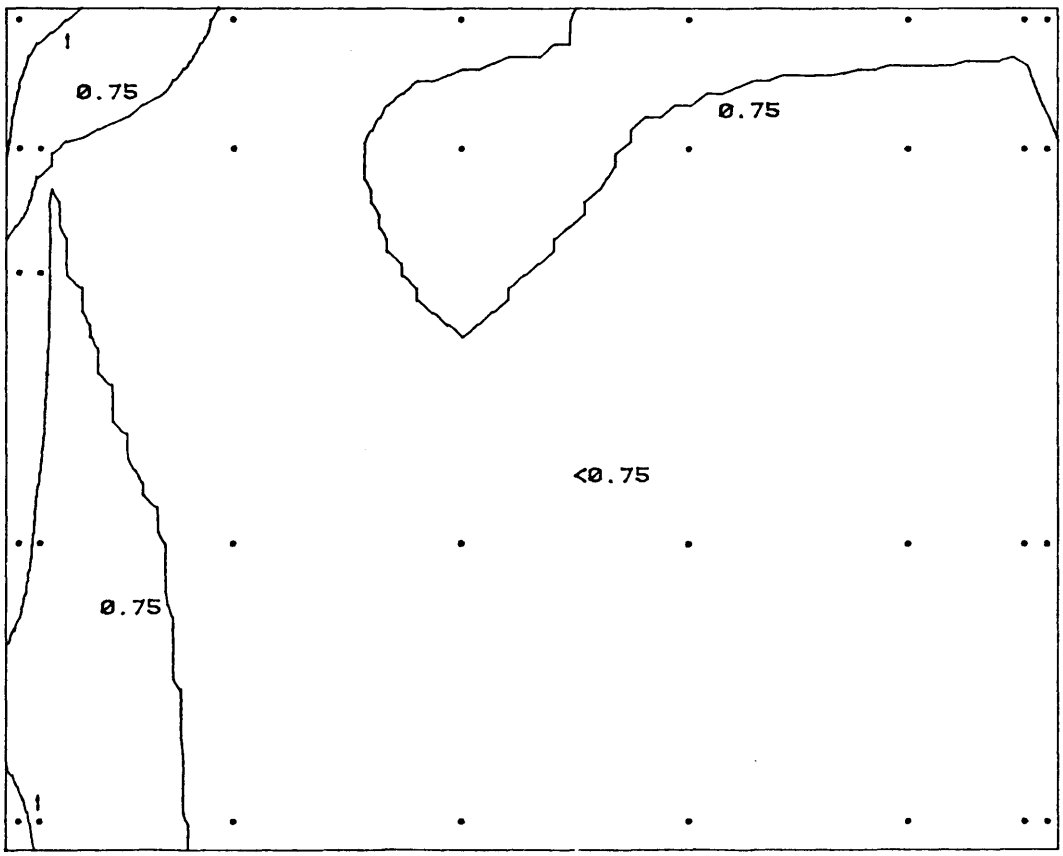


Figure 10D. Peak Pressure Contours

EAST TOWER

DEVELOPED VIEW
SOUTH END
PEAK NEGATIVE PRESSURE COEFFICIENTS

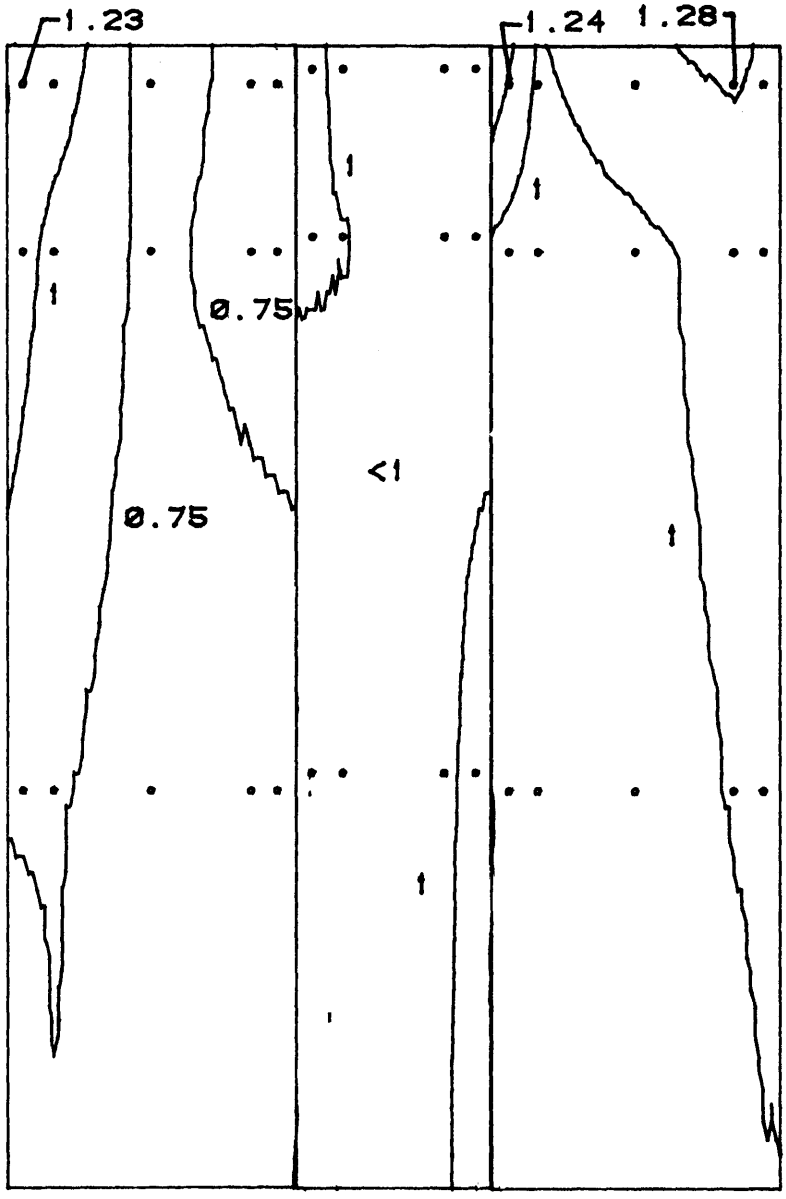


Figure 10E. Peak Pressure Contours

EAST TOWER

NORTHEAST ELEVATION
PEAK NEGATIVE PRESSURE COEFFICIENTS

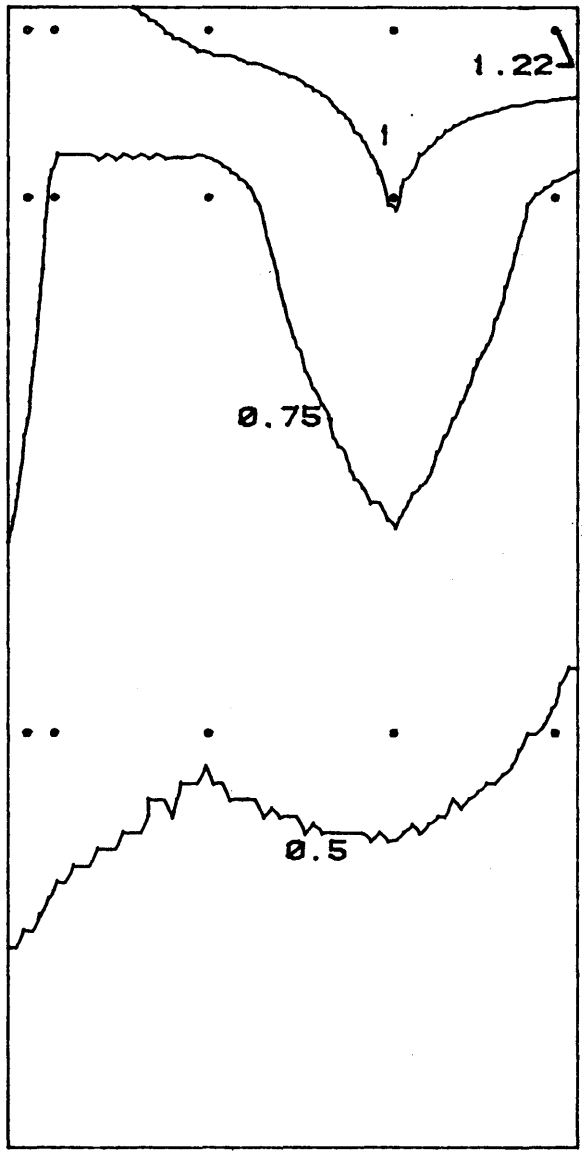


Figure 10F. Peak Pressure Contours

EAST TOWER

EAST ELEVATION
PEAK NEGATIVE PRESSURE COEFFICIENTS

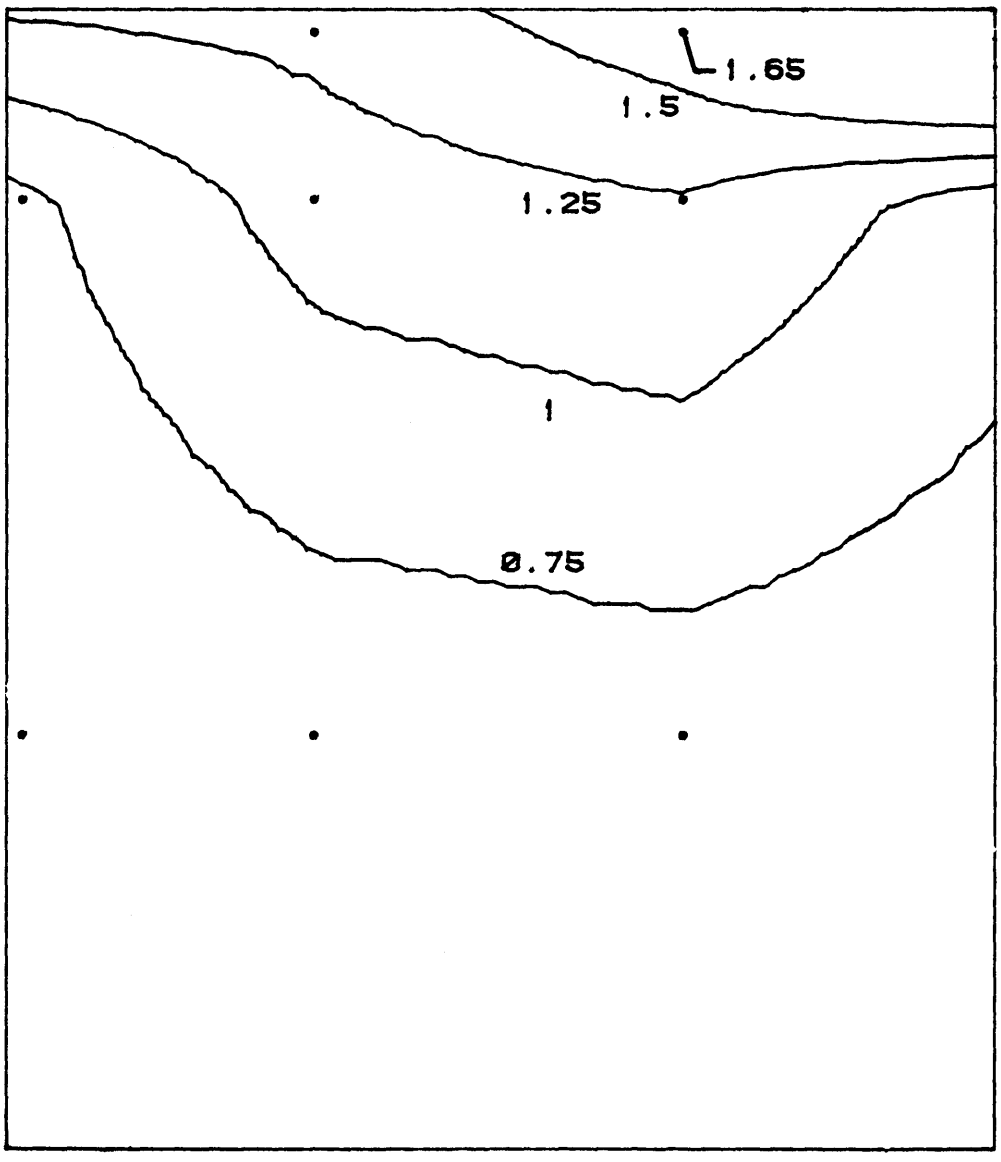


Figure 10G. Peak Pressure Contours

EAST TOWER

SOUTHEAST ELEVATION
PEAK NEGATIVE PRESSURE COEFFICIENTS

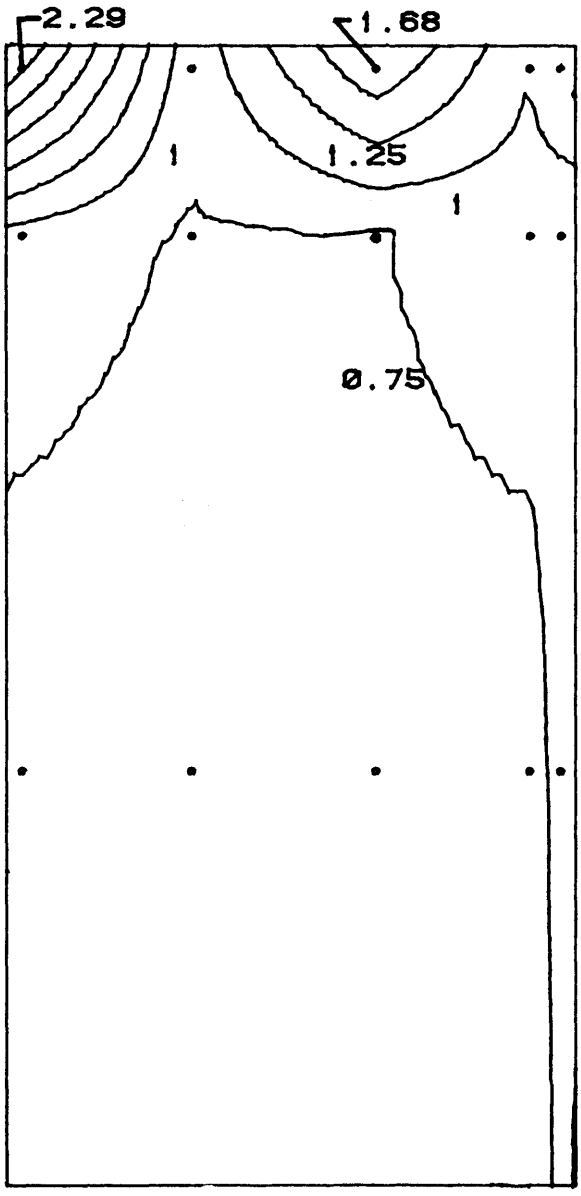


Figure 10H. Peak Pressure Contours

EAST TOWER

DEVELOPED VIEW
NORTH END
PEAK POSITIVE PRESSURE COEFFICIENTS

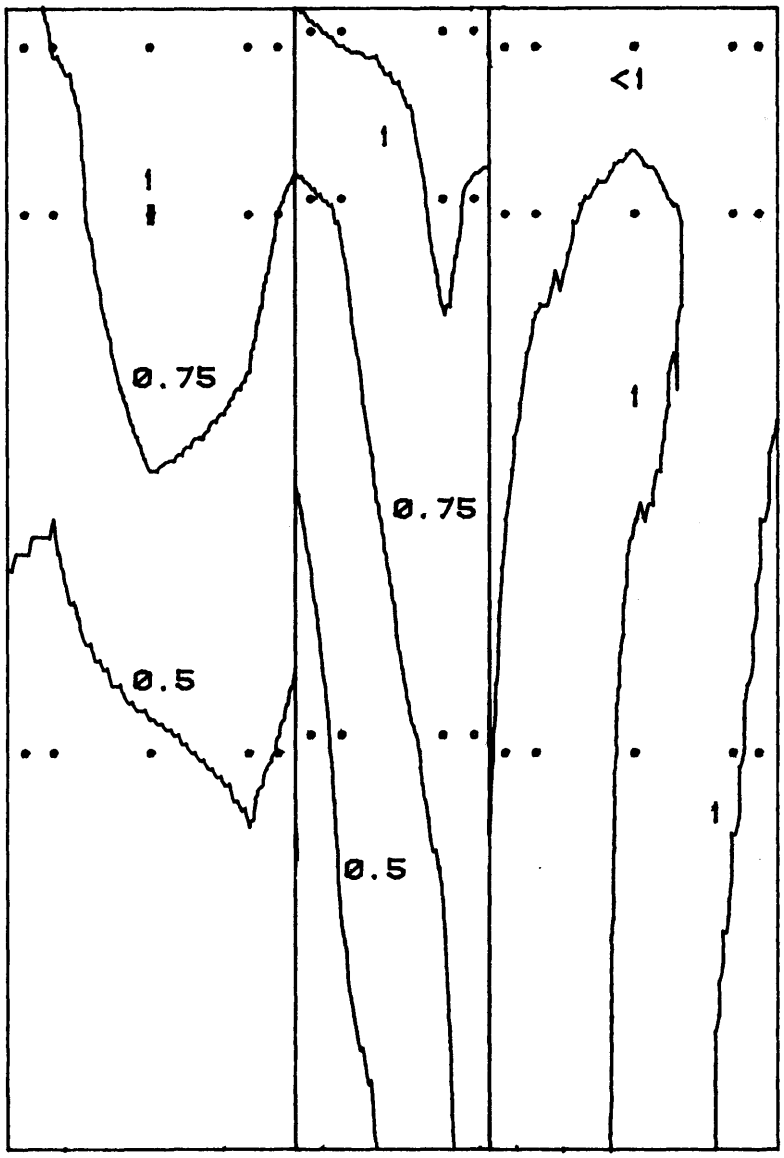


Figure 10I. Peak Pressure Contours

EAST TOWER

NORTHWEST ELEVATION
PEAK POSITIVE PRESSURE COEFFICIENTS

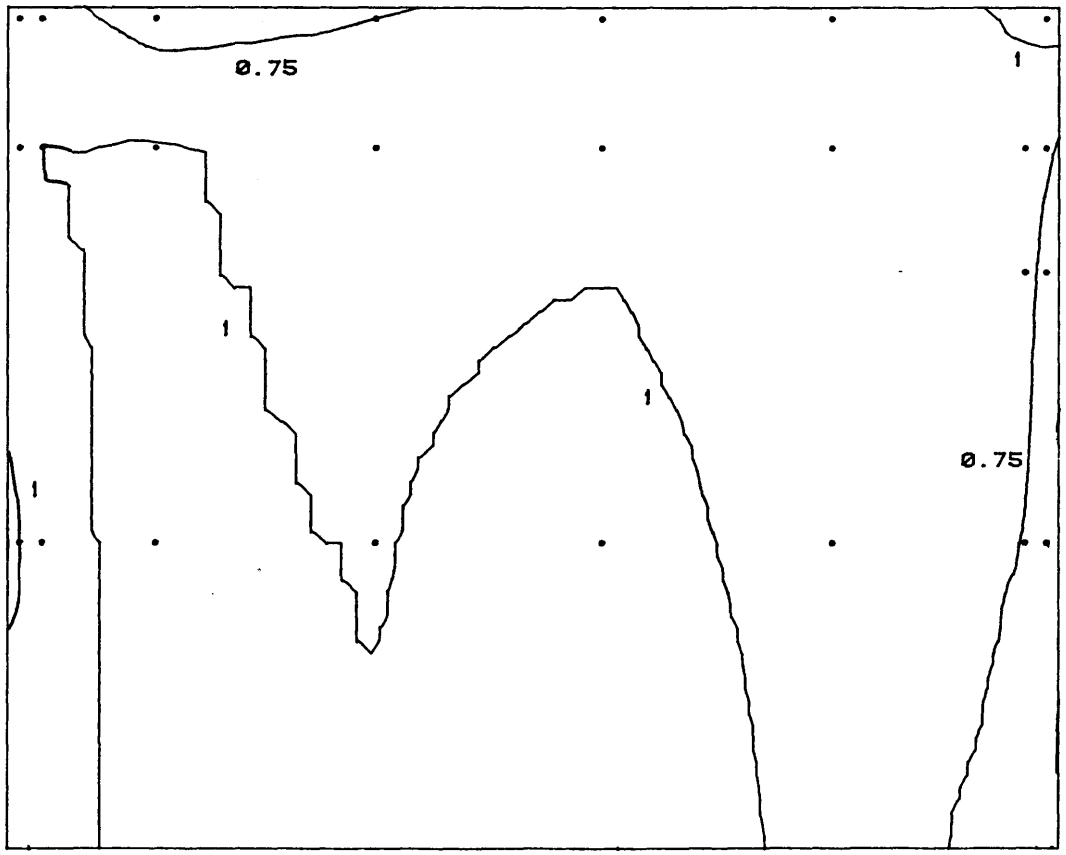


Figure 10J. Peak Pressure Contours

EAST TOWER

WEST ELEVATION
PEAK POSITIVE PRESSURE COEFFICIENTS

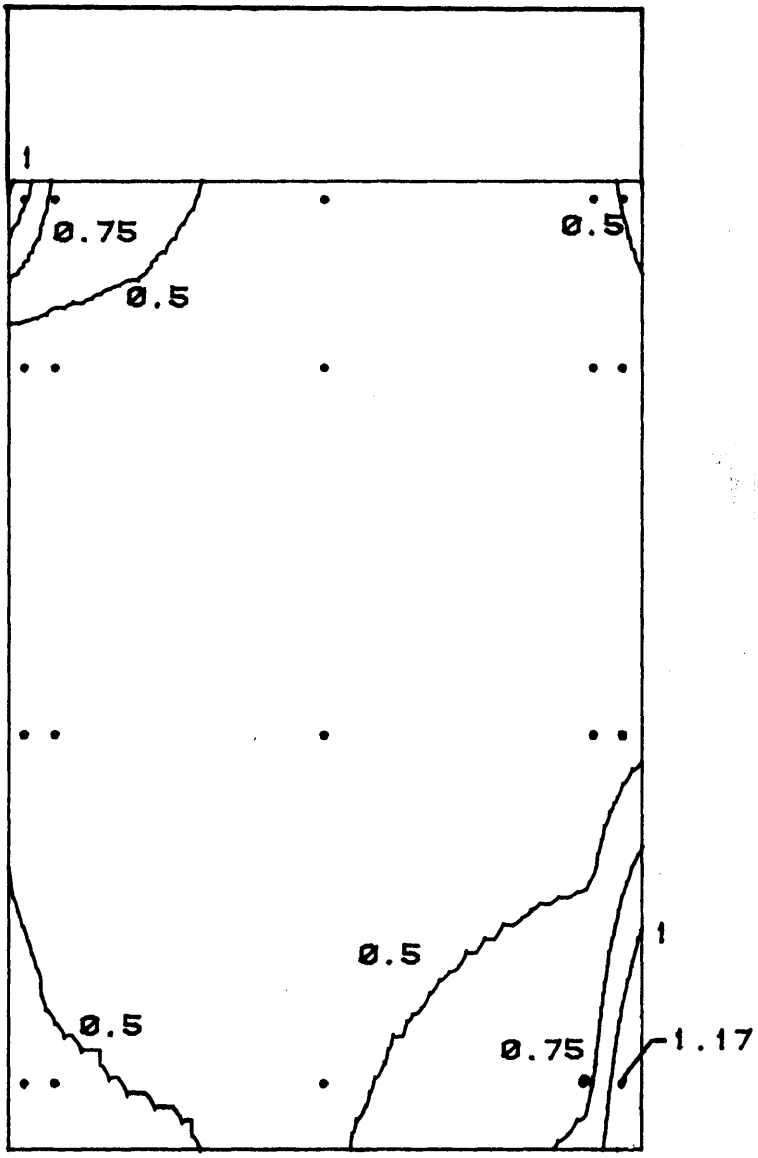


Figure 10K. Peak Pressure Contours

EAST TOWER

SOUTHWEST ELEVATION
PEAK POSITIVE PRESSURE COEFFICIENTS

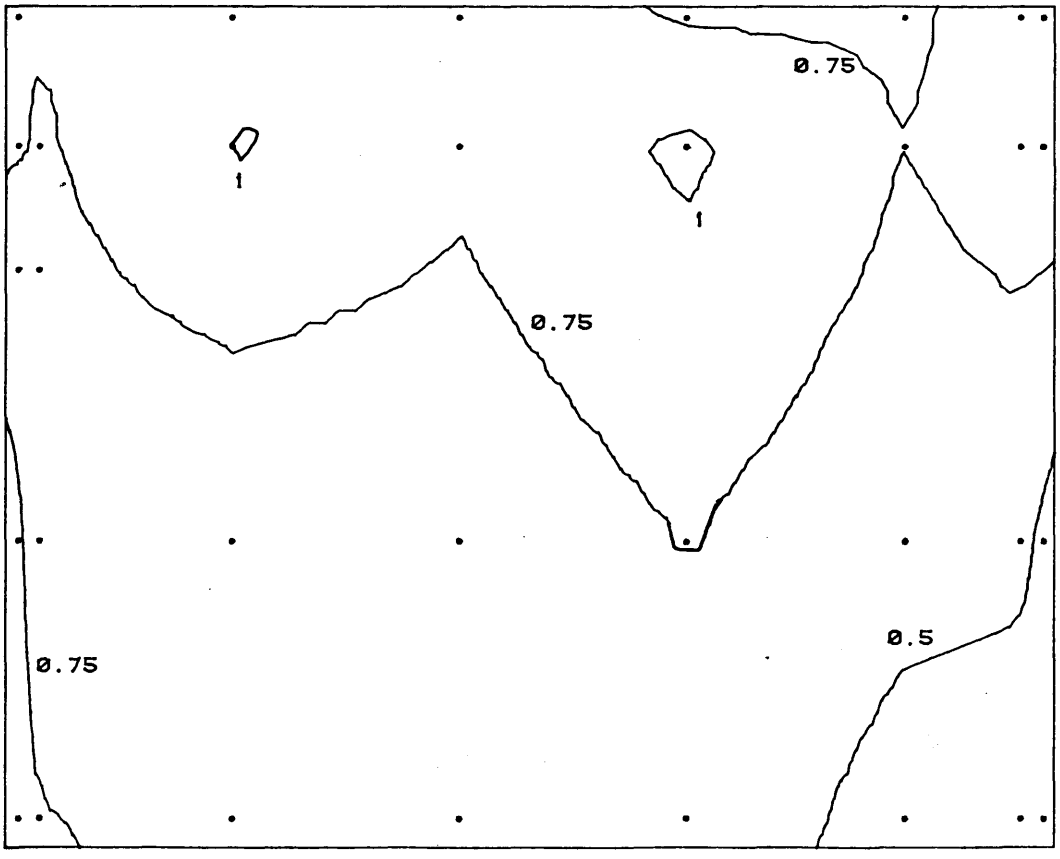


Figure 10L. Peak Pressure Contours

EAST TOWER

DEVELOPED VIEW
SOUTH END
PEAK POSITIVE PRESSURE COEFFICIENTS

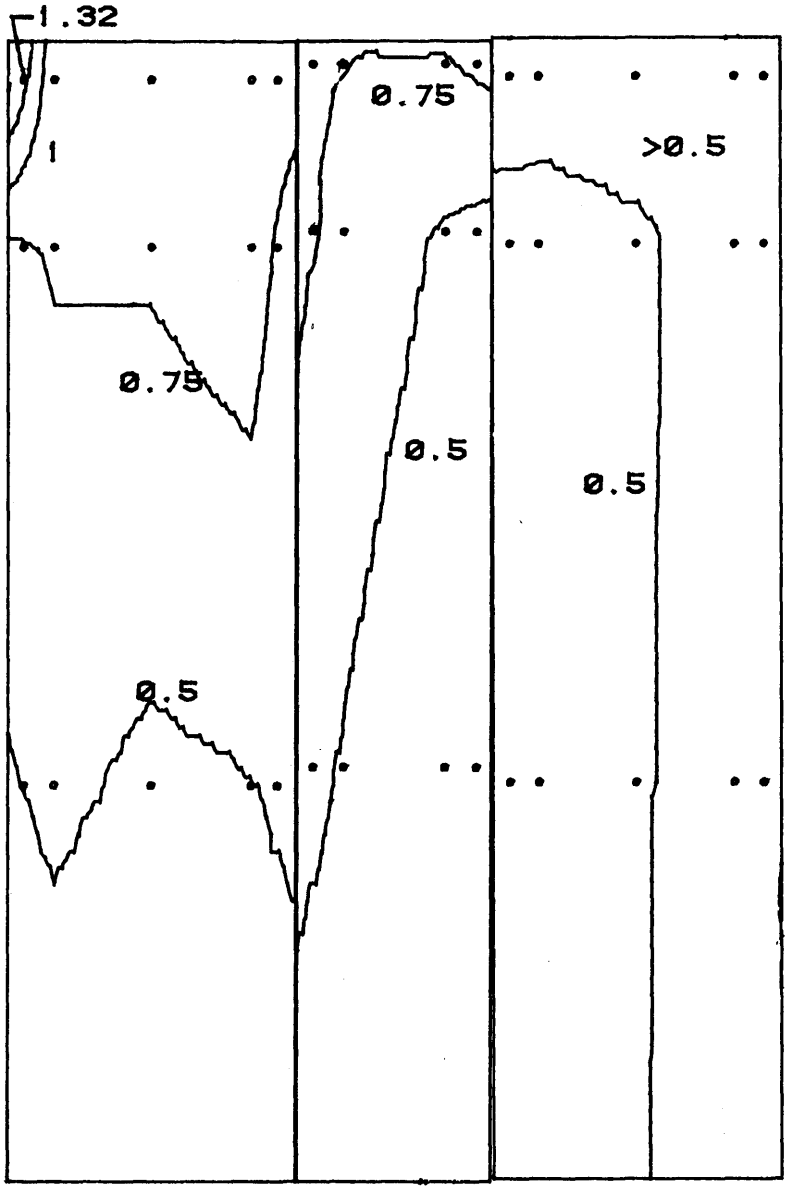


Figure 10M. Peak Pressure Contours

EAST TOWER

NORTHEAST
PEAK POSITIVE PRESSURE COEFFICIENTS

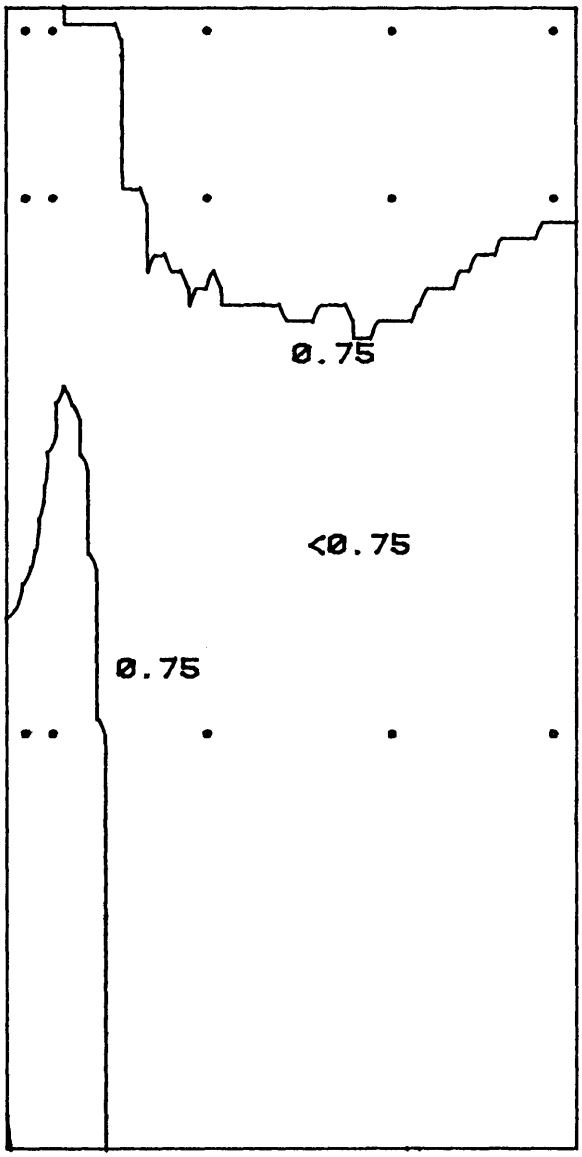


Figure 10N. Peak Pressure Contours

EAST TOWER

EAST ELEVATION
PEAK POSITIVE PRESSURE COEFFICIENTS

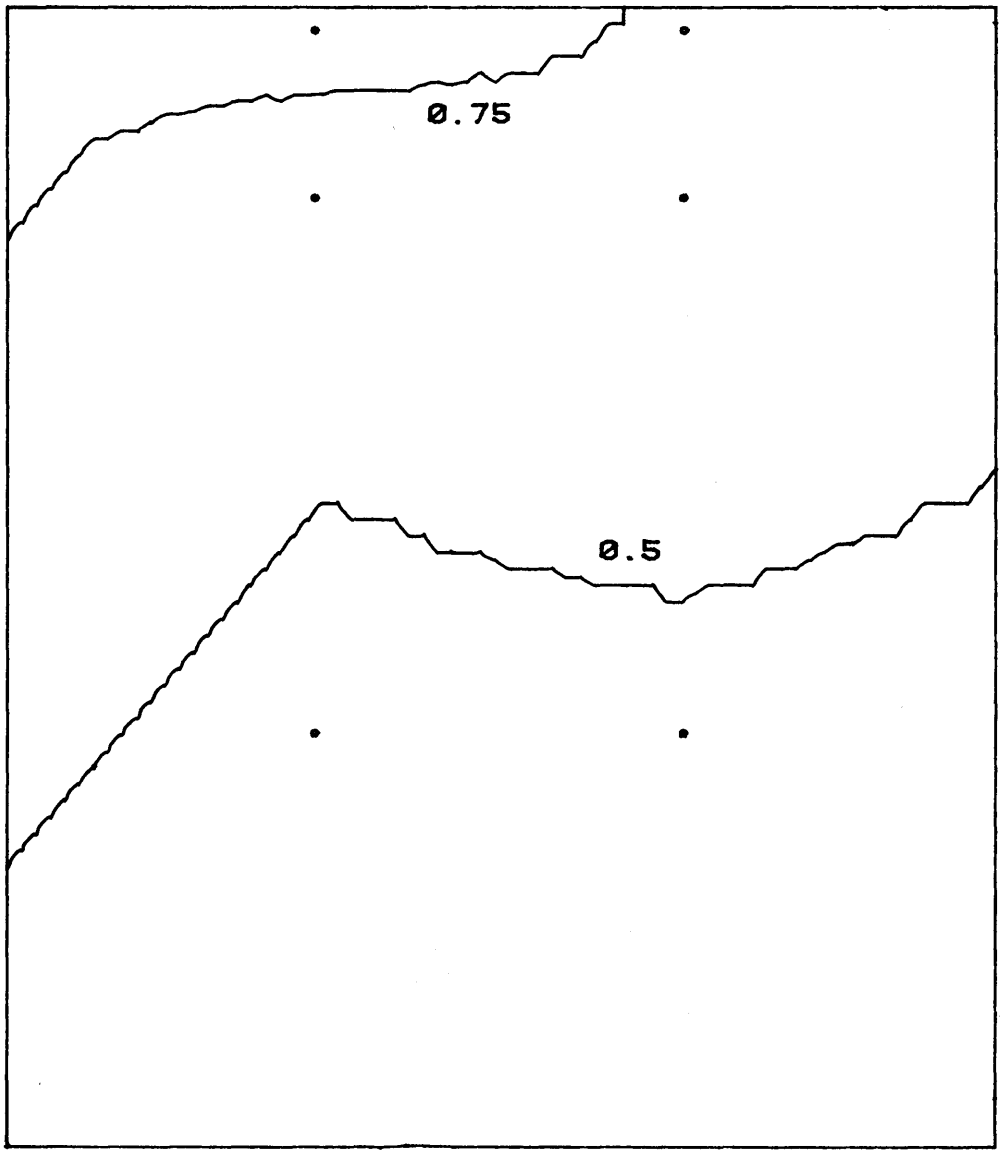


Figure 100. Peak Pressure Contours

EAST TOWER

SOUTHEAST ELEVATION
PEAK POSITIVE PRESSURE COEFFICIENTS

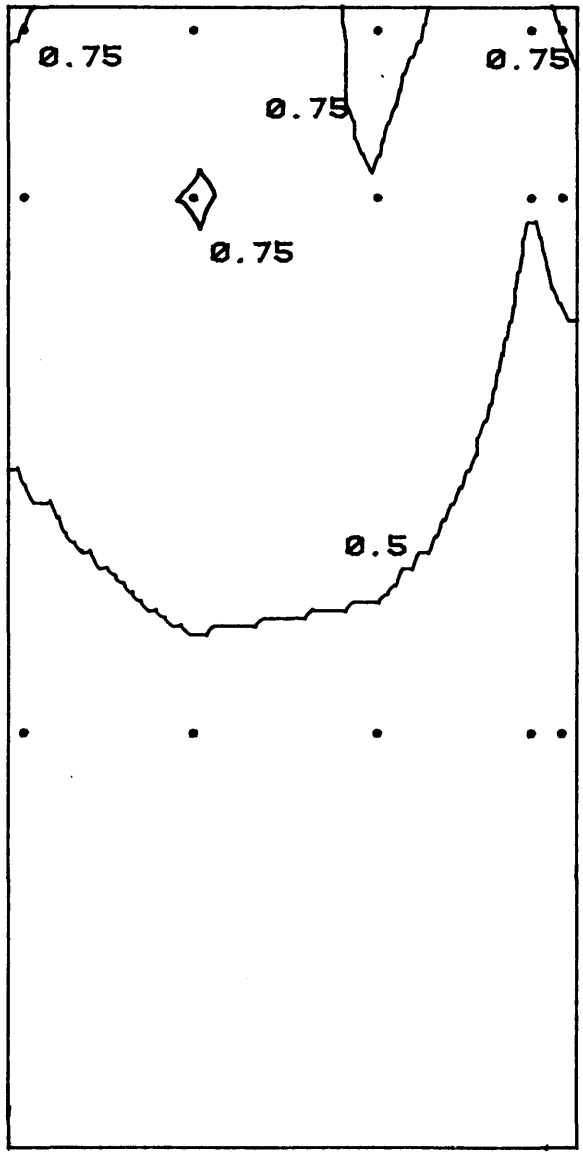


Figure 10P. Peak Pressure Contours

BASE

NORTH ELEVATION
PEAK NEGATIVE PRESSURE COEFFICIENTS

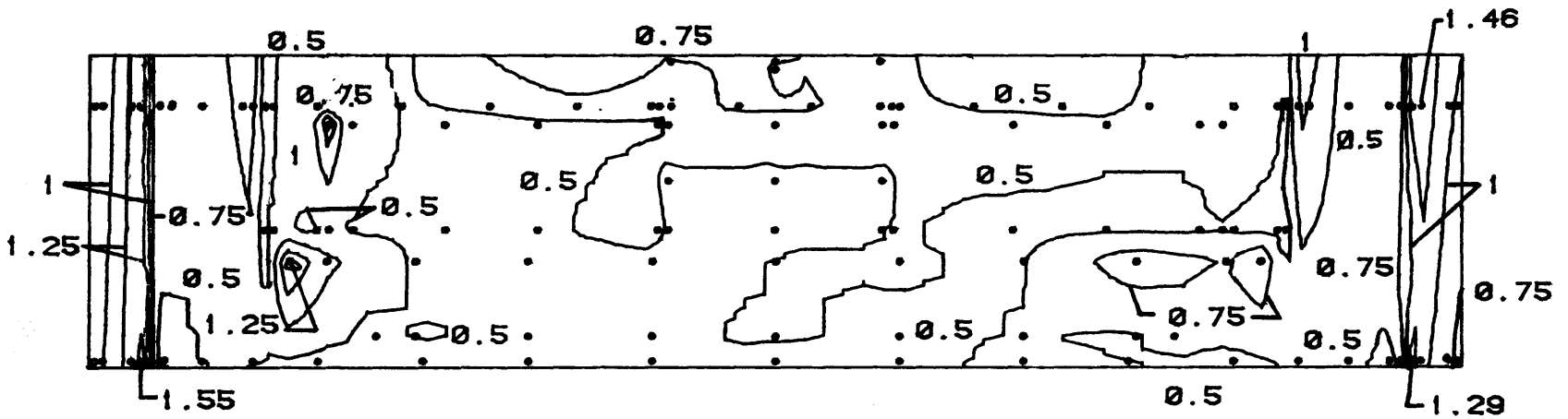


Figure 10Q. Peak Pressure Contours

BASE

WEST ELEVATION
PEAK NEGATIVE PRESSURE COEFFICIENTS

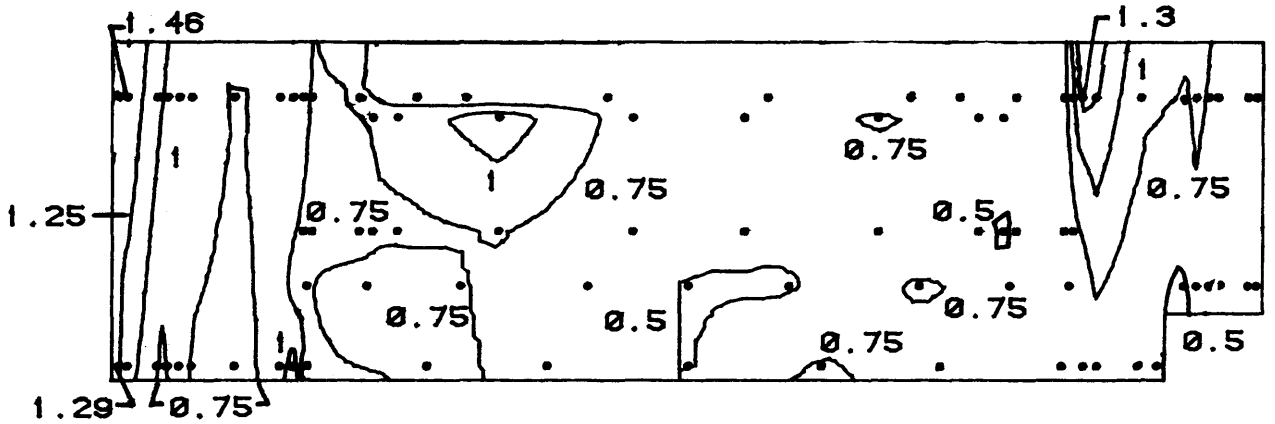


Figure 10R. Peak Pressure Contours

BASE

SOUTH ELEVATION
PEAK NEGATIVE PRESSURE COEFFICIENTS

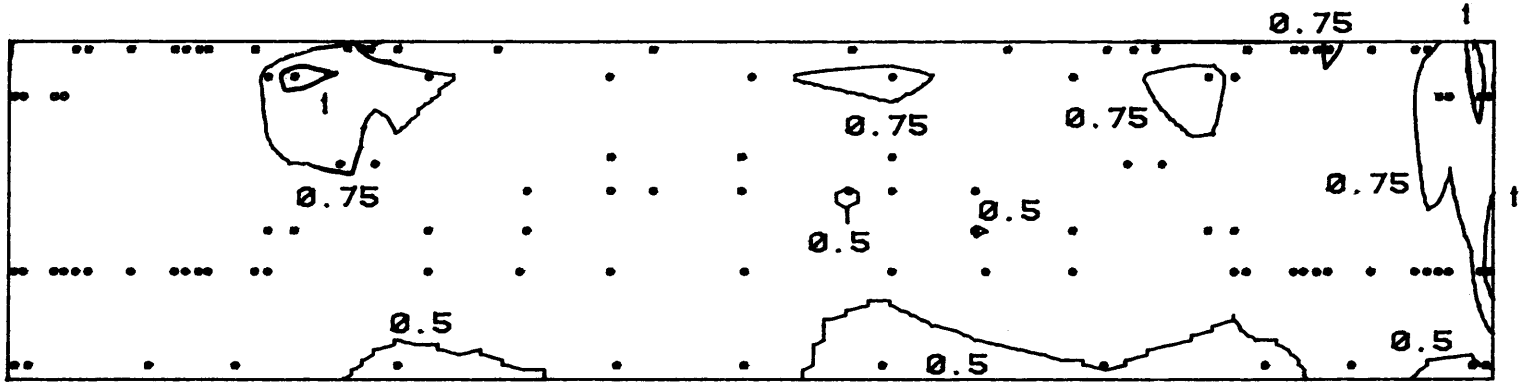


Figure 10S. Peak Pressure Contours

BASE

EAST ELEVATION
PEAK NEGATIVE PRESSURE COEFFICIENTS

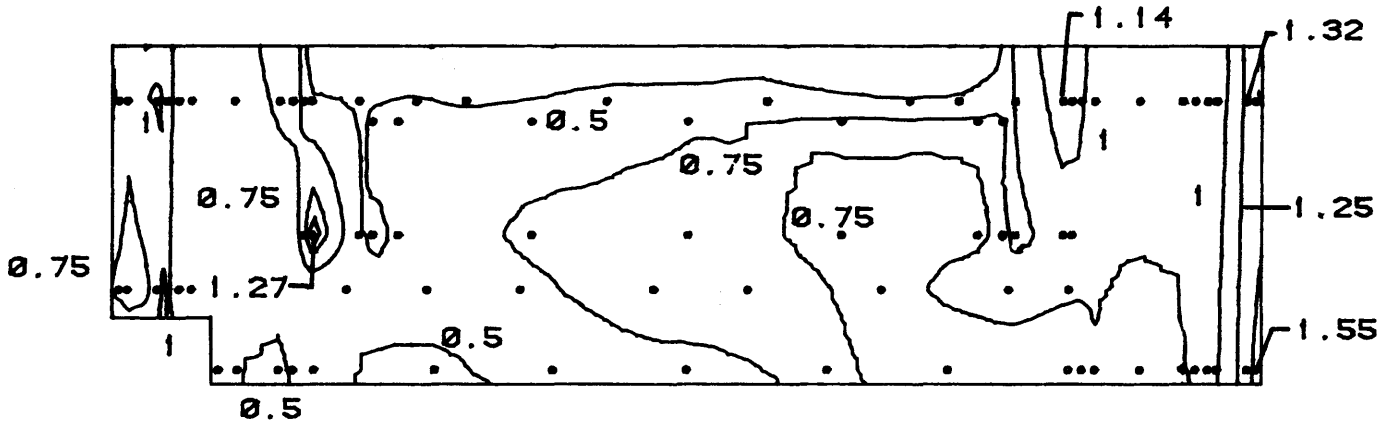


Figure 10T. Peak Pressure Contours

BASE

NORTH ELEVATION
PEAK POSITIVE PRESSURE COEFFICIENTS

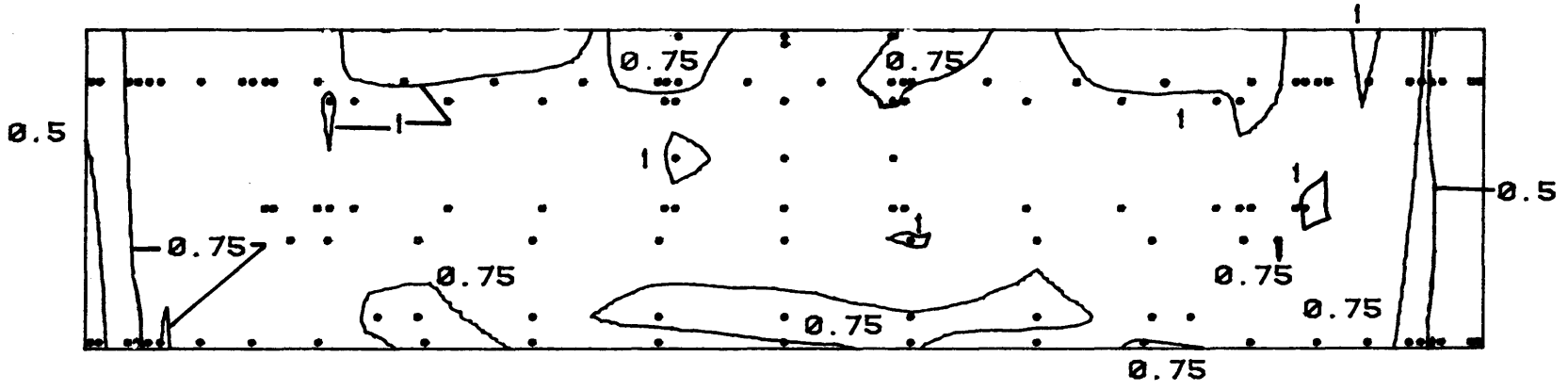


Figure 10U. Peak Pressure Contours

BASE

WEST ELEVATION
PEAK POSITIVE PRESSURE COEFFICIENTS

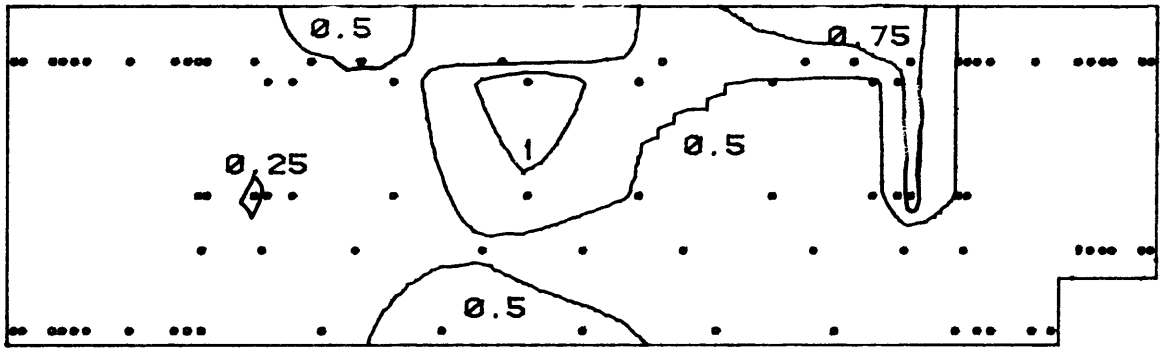


Figure 10V. Peak Pressure Contours

BASE

SOUTH ELEVATION
PEAK POSITIVE PRESSURE COEFFICIENTS

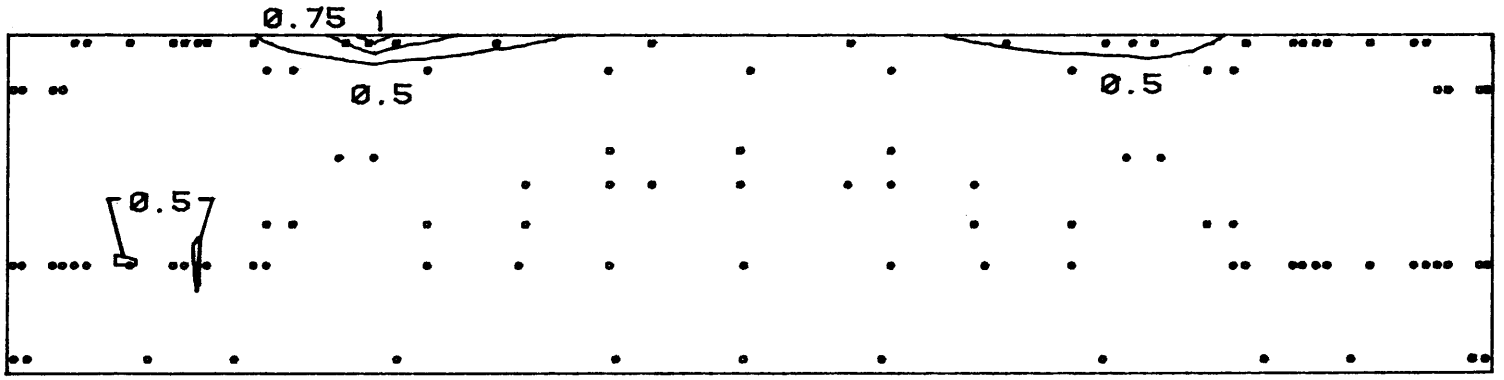


Figure 10W. Peak Pressure Contours

BASE

EAST ELEVATION
PEAK POSITIVE PRESSURE COEFFICIENTS

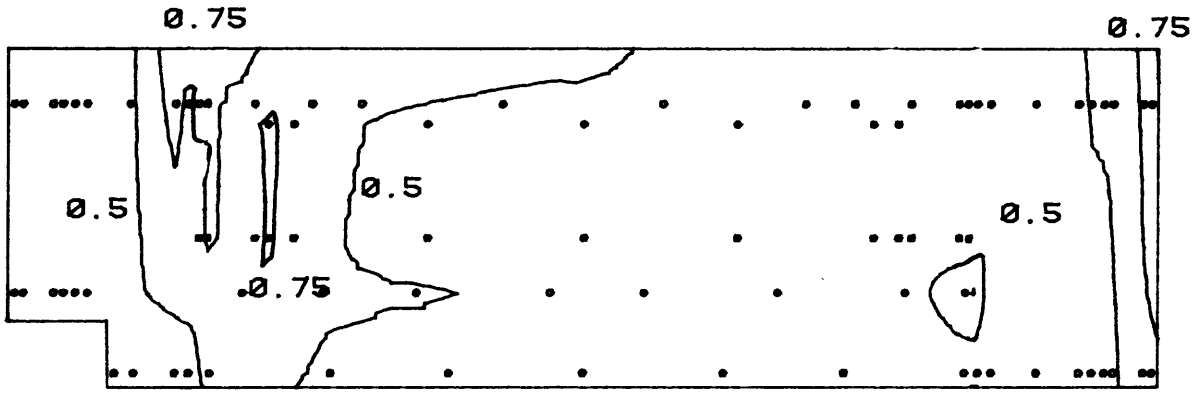


Figure 10X. Peak Pressure Contours

TABLES

TABLE 6A. PEAK LOADS FOR CONFIGURATION C : TAIKOO SHING CITYPLAZA, HONG KONG (MODIFIED MODEL)
LARGEST VALUES OF CLADDING LOAD REFERENCE PRESSURE = 2170 PA

TAP	AZI-MUTH	PRESS COEFF	NEGATIVE PEAK ---- PA	POSITIVE PEAK ----
2101	310	.75	-1385.8	1629.3
2102	300	.68	-1313.0	1486.0
2103	290	.79	-1488.9	1703.7
2104	300	1.04	-1435.2	2251.6
2105	310	1.07	-1081.7	2326.1
2106	310	1.27	-1106.4	2763.9
2107	320	.96	-1112.2	2084.2
2108	300	.90	-1640.4	1960.1
2109	340	.98	-1005.5	2126.0
2110	340	1.02	-1199.8	2214.0
2111	340	.94	-1269.0	2049.8
2112	320	.98	-1167.7	2123.2
2113	20	.90	-1295.8	1949.8
2114	330	.76	-1163.6	1650.7
2115	290	-1.00	-2159.9	2019.2
2116	50	.86	-1114.6	1869.7
2117	330	.88	-1577.8	1909.3
2118	30	.86	-1404.4	1865.2
2119	10	.88	-1273.4	1920.2
2120	350	.86	-1151.4	1872.6
2121	310	.78	-1227.0	1685.9
2122	330	.84	-995.5	1823.1
2123	330	1.10	-1029.5	2382.1
2124	340	.90	-1114.6	1955.9
2125	0	.89	-1544.4	1940.0
2126	10	.81	-981.9	1755.0
2127	320	.86	-1051.5	1864.9
2128	340	.84	-959.3	1823.9
2129	20	.80	-1002.5	1737.0
2130	330	.81	-959.3	1760.7
2131	350	.76	-1124.0	1641.6
2132	340	.90	-1128.8	1944.8
2133	330	.98	-1231.2	2125.6
2134	330	-.88	-1906.2	1658.8
2135	340	.70	-1076.9	1509.1
2136	290	.73	-1000.1	1585.5
2137	310	.74	-1020.7	1595.4
2138	310	.76	-1011.3	1653.3
2139	0	.75	-995.2	1634.5
2140	350	.82	-914.0	1773.3
2141	10	-.77	-1680.2	1629.3
2142	340	.89	-1484.7	1929.7
2143	10	.83	-1002.0	1811.9
2144	350	.74	-947.1	1603.6
2145	350	.69	-997.5	1506.5
2146	0	.65	-911.6	1404.0
2147	340	.73	-1018.8	1587.2
2148	330	.82	-1006.3	1769.6
2149	340	.81	-1006.5	1767.5
2201	40	.74	-1036.4	1605.9
2202	30	1.04	-1099.9	2265.0
2203	40	.82	-1032.3	1771.9
2204	50	.73	-959.7	1593.2
2205	0	.96	-904.4	2092.9
2206	340	.80	-1138.1	1730.2
2207	0	-1.28	-2782.8	1585.2
2208	350	-1.54	-3350.1	1501.1
2209	10	-2.52	-5465.3	1591.1
2210	350	-1.64	-3567.9	1417.0
2211	340	-1.14	-2475.4	1303.8
2212	350	-1.33	-2879.7	1596.5
2213	10	-1.46	-3158.9	1790.2
2214	350	-1.20	-2609.6	1767.1
2215	0	-1.14	-2463.0	1654.3
2216	0	-1.16	-2507.9	1317.4
2217	0	-1.02	-2205.5	1363.8
2218	20	-1.04	-2262.6	1320.1
2219	350	-.66	-1430.7	1300.0
2401	320	.94	-1431.4	2040.2
2402	340	.80	-1037.7	1741.7
2403	320	.82	-1006.3	1781.1
2404	340	.89	-1664.7	1931.6
2405	350	.84	-1223.2	1830.3
2406	330	.83	-958.9	1800.3
2901	0	-.81	-1762.6	1425.5
2902	310	-.66	-1443.0	991.2
2903	150	.84	-1687.6	1830.7
2904	0	-.81	-1754.7	866.5
2905	20	-.72	-1564.3	832.7
2906	350	-.77	-1674.0	908.2
2907	320	.71	-1166.7	1541.1
2908	290	.66	-1097.8	1425.6
2909	320	-.86	-1865.2	741.4
2910	40	.61	-1252.5	1316.4
2911	50	.77	-1109.9	1673.8
2912	0	.70	-1264.3	1514.0
2913	330	.75	-1154.0	1629.6
2914	320	.68	-1281.9	1469.7
2915	330	.52	-1104.4	1135.2
2916	350	.62	-1098.9	1356.1
2917	50	.67	-1381.3	1443.7
2918	50	.72	-1103.8	1570.4
2919	320	.77	-1546.5	1669.6
2920	30	.76	-1368.9	1652.6
2921	10	.76	-1226.6	1646.7
2922	50	.73	-1198.5	1576.8
2923	0	.84	-963.9	1825.9
2924	340	.84	-1121.9	1816.7
2925	330	.74	-1352.5	1608.0
2926	20	.79	-980.3	1708.0
2927	310	1.05	-1125.2	2285.4
2928	350	.73	-1289.9	1574.1
2929	40	.74	-1164.3	1601.6
2930	60	1.02	-1171.2	2211.1
2931	40	.81	-924.3	1762.5
2932	0	.78	-923.9	1686.9
2933	0	.74	-1060.8	1605.1
2934	0	.70	-1019.8	1512.4
2935	330	.67	-973.2	1450.4
2936	350	.68	-1015.1	1465.1
2937	340	.85	-977.0	1846.8
2938	20	.80	-1045.9	1731.9
2939	310	.89	-1079.1	1925.5
2940	340	.88	-1081.3	1912.9
2941	340	.87	-1087.6	1897.8
2942	20	.75	-974.0	1624.2
2943	0	.66	-1162.9	1441.6
2944	10	.75	-1190.3	1621.7
2945	70	-.75	-1638.1	1508.7
2946	30	.73	-1149.3	1575.3
2947	340	.72	-1026.9	1569.1
2948	340	.79	-1035.6	1718.7

TABLE 6A. PEAK LOADS FOR CONFIGURATION C : TAIKOO SHING CITYPLAZA, HONG KONG (MODIFIED MODEL)
LARGEST VALUES OF CLADDING LOAD REFERENCE PRESSURE = 2170 PA

* * 15 GREATEST PRESSURE MAGNITUDES * *

TAP	AZI-MUTH	PRESS COEFF	NEGATIVE PEAK	POSITIVE PEAK
			PA	
2209	10	-2.52	-5465.3	1591.1
2210	350	-1.64	-3567.9	1417.0
2208	350	-1.54	-3350.1	1501.1
2213	10	-1.46	-3158.9	1790.2
2212	350	-1.33	-2879.7	1596.5
2207	0	-1.28	-2782.8	1585.2
2106	310	1.27	-1106.4	2763.9
2214	350	-1.20	-2609.6	1767.1
2216	0	-1.16	-2507.9	1317.4
2211	340	-1.14	-2475.4	1303.8
2215	0	-1.14	-2463.0	1654.3
2123	330	1.10	-1029.5	2382.1
2105	310	1.07	-1081.7	2326.1
2927	310	1.05	-1125.2	2285.4
2202	30	1.04	-1099.9	2265.0

TABLE 6A. PEAK LOADS FOR CONFIGURATION D : TAIKOO SHING CITYPLAZA, HONG KONG (MODIFIED MODEL)
LARGEST VALUES OF CLADDING LOAD REFERENCE PRESSURE = 2170 PA

TAP	AZI-MUTH	PRESS COEFF	NEGATIVE PEAK ---- PA	POSITIVE PEAK ----	TAP	AZI-MUTH	PRESS COEFF	NEGATIVE PEAK ---- PA	POSITIVE PEAK ----	TAP	AZI-MUTH	PRESS COEFF	NEGATIVE PEAK ---- PA	POSITIVE PEAK ----
2207	4	-1.67	-3618.6	1473.8	2210	4	-1.72	-3732.4	897.4	2214	354	-1.26	-2734.3	726.2
2208	354	-1.76	-3812.4	1060.8	2212	4	-1.59	-3444.3	755.0	2215	2	-1.37	-2963.8	790.6
2209	4	-2.50	-5435.4	917.3	2213	358	-2.06	-4473.1	834.9					

TABLE 6A. PEAK LOADS FOR CONFIGURATION D : TAIKOO SHING CITYPLAZA, HONG KONG (MODIFIED MODEL)
LARGEST VALUES OF CLADDING LOAD REFERENCE PRESSURE = 2170 PA

* * 8 GREATEST PRESSURE MAGNITUDES * *

TAP	AZI-MUTH	PRESS COEFF	NEGATIVE PEAK PA	POSITIVE PEAK
2209	4	-2.50	-5435.4	917.3
2213	358	-2.06	-4473.1	834.9
2208	354	-1.76	-3812.4	1060.8
2210	4	-1.72	-3732.4	897.4
2207	4	-1.67	-3618.6	1473.8
2212	4	-1.59	-3444.3	755.0
2215	2	-1.37	-2963.8	790.6
2214	354	-1.26	-2734.3	726.2

TABLE 6B. COMPARISON OF CONFIGURATIONS C AND D : TAIKOO SHING CITYPLAZA, HONG KONG (MODIFIED MODEL)
TAPS WHERE NEGATIVE PEAK LOAD FOR CONFIG. D EXCEEDED THAT FOR CONFIG. C BY 200 PA
REF. PRESSURE = 2170 PA

TAP	AZIMUTH	C CONFIG. PA LOAD	AZIMUTH	D CONFIG. PA LOAD
2207	0	-2782.8	4	-3618.6
2208	350	-3350.1	354	-3812.4
2212	350	-2879.7	4	-3444.3
2213	10	-3158.9	358	-4473.1
2215	0	-2463.0	2	-2963.8

APPENDIX A

APPENDIX A -- PRESSURE DATA ; CONFIGURATION C : TAIKOO SHING CITYPLAZA, HONG KONG (MODIFIED MODEL)

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
0	2101	-.110	.136	.428	-.536	0	2202	.239	.122	.647	-.202	0	2927	.280	.130	.716	-.153
0	2102	-.137	.124	.384	-.594	0	2203	.238	.113	.666	-.189	0	2928	.257	.102	.691	-.156
0	2103	-.080	.122	.333	-.521	0	2204	.285	.100	.644	-.011	0	2929	.251	.107	.627	-.127
0	2104	-.108	.121	.366	-.601	0	2205	.318	.115	.964	.001	0	2930	.203	.154	.699	-.267
0	2105	.245	.160	.941	-.189	0	2206	.297	.106	.673	.029	0	2931	.327	.096	.640	-.048
0	2106	.200	.132	.666	-.173	0	2207	-.279	.197	.338	-1.282	0	2932	.324	.113	.777	-.049
0	2107	.197	.143	.752	-.204	0	2208	-.255	.202	.351	-1.370	0	2933	.267	.113	.740	-.073
0	2108	.180	.139	.637	-.192	0	2209	-.228	.198	.408	-1.911	0	2934	.287	.105	.697	.001
0	2109	.343	.120	.752	.027	0	2210	-.200	.159	.288	-1.342	0	2935	.261	.098	.657	-.048
0	2110	.345	.131	.887	-.008	0	2211	-.189	.101	.159	-.749	0	2936	.223	.129	.607	-.274
0	2111	.292	.127	.796	-.044	0	2212	-.207	.125	.221	-1.320	0	2937	.306	.112	.686	-.157
0	2112	.249	.126	.628	-.206	0	2213	-.241	.173	.185	-1.453	0	2938	.329	.117	.776	-.004
0	2113	.232	.101	.593	-.085	0	2214	-.200	.139	.180	-1.188	0	2939	.339	.118	.824	-.082
0	2114	.241	.104	.609	-.071	0	2215	-.199	.143	.206	-1.135	0	2940	.344	.133	.835	-.164
0	2115	.253	.106	.663	-.214	0	2216	-.252	.149	.203	-1.156	0	2941	.299	.115	.667	-.091
0	2116	.310	.114	.749	-.035	0	2217	-.188	.125	.180	-1.016	0	2942	.308	.105	.694	-.074
0	2117	.269	.113	.711	-.052	0	2218	-.202	.114	.159	-.639	0	2943	.281	.106	.664	-.328
0	2118	.343	.107	.857	-.015	0	2219	-.203	.099	.115	-.541	0	2944	.255	.105	.603	-.125
0	2119	.342	.133	.813	-.235	0	2401	.278	.122	.745	-.089	0	2945	.260	.114	.636	-.042
0	2120	.301	.123	.796	-.206	0	2402	.270	.110	.649	-.075	0	2946	.241	.114	.596	-.340
0	2121	.303	.120	.776	-.035	0	2403	.291	.126	.718	-.140	0	2947	.294	.102	.712	-.004
0	2122	.259	.112	.653	-.092	0	2404	.291	.108	.682	-.058	0	2948	.319	.103	.664	-.066
0	2123	.311	.126	.785	-.083	0	2405	.310	.103	.697	-.049	10	2101	-.159	.122	.298	-.639
0	2124	.327	.127	.741	-.137	0	2406	.322	.110	.731	-.006	10	2102	-.173	.110	.183	-.605
0	2125	.353	.132	.894	-.101	0	2901	-.234	.103	.060	-.812	10	2103	-.124	.130	.304	-.561
0	2126	.340	.118	.785	.002	0	2902	-.267	.102	.105	-.663	10	2104	-.154	.123	.248	-.639
0	2127	.333	.114	.709	.002	0	2903	-.268	.101	.074	-.763	10	2105	.213	.132	.703	-.208
0	2128	.297	.116	.658	-.095	0	2904	-.282	.116	.150	-.809	10	2106	.166	.121	.636	-.183
0	2129	.313	.111	.721	-.046	0	2905	-.295	.113	.070	-.717	10	2107	.173	.130	.620	-.279
0	2130	.307	.105	.678	-.034	0	2906	-.290	.120	.056	-.705	10	2108	.138	.122	.602	-.255
0	2131	.309	.116	.742	-.047	0	2907	.139	.109	.517	-.221	10	2109	.322	.131	.811	-.005
0	2132	.332	.110	.754	-.005	0	2908	.012	.115	.421	-.378	10	2110	.263	.121	.676	-.089
0	2133	.339	.126	.837	-.055	0	2909	-.064	.119	.316	-.729	10	2111	.245	.109	.751	-.110
0	2134	.195	.131	.626	-.392	0	2910	.000	.102	.322	-.316	10	2112	.208	.115	.627	-.119
0	2135	.254	.111	.689	-.133	0	2911	.130	.100	.480	-.212	10	2113	.233	.107	.850	-.076
0	2136	.268	.106	.675	-.104	0	2912	.263	.101	.698	-.055	10	2114	.221	.112	.555	-.115
0	2137	.284	.105	.706	-.069	0	2913	.191	.131	.689	-.230	10	2115	.244	.113	.623	-.096
0	2138	.282	.112	.665	-.084	0	2914	.101	.118	.520	-.224	10	2116	.301	.111	.949	-.001
0	2139	.287	.103	.753	-.008	0	2915	.107	.110	.457	-.219	10	2117	.253	.110	.635	-.089
0	2140	.303	.105	.665	-.222	0	2916	.099	.116	.521	-.342	10	2118	.342	.117	.748	-.071
0	2141	.293	.118	.692	-.186	0	2917	.160	.108	.544	-.206	10	2119	.320	.125	.885	-.032
0	2142	.254	.147	.756	-.614	0	2918	.244	.107	.678	-.161	10	2120	.288	.107	.713	-.059
0	2143	.226	.098	.676	-.097	0	2919	.267	.107	.658	-.161	10	2121	.241	.113	.706	-.150
0	2144	.269	.092	.601	.000	0	2920	.290	.113	.637	-.103	10	2122	.275	.115	.675	-.031
0	2145	.277	.090	.570	-.013	0	2921	.288	.102	.684	-.055	10	2123	.292	.113	.672	-.121
0	2146	.273	.097	.647	-.070	0	2922	.234	.104	.575	-.177	10	2124	.307	.114	.702	-.280
0	2147	.286	.101	.704	-.016	0	2923	.297	.119	.841	-.030	10	2125	.331	.128	.792	-.093
0	2148	.291	.098	.699	-.024	0	2924	.272	.108	.653	-.053	10	2126	.322	.126	.809	-.093
0	2149	.269	.107	.658	-.139	0	2925	.281	.101	.699	-.078	10	2127	.298	.101	.673	-.035
0	2201	.239	.105	.576	-.080	0	2926	.225	.108	.558	-.161	10	2128	.280	.108	.713	-.030

APPENDIX A -- PRESSURE DATA : CONFIGURATION C : TAIKOO SHING CITYPLAZA, HONG KONG (MODIFIED MODEL)

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
10	2129	.286	.110	.747	-.014	10	2905	-.271	.103	.039	-.630	20	2107	.106	.107	.459	-.307
10	2130	.291	.106	.729	-.018	10	2906	-.259	.108	.069	-.627	20	2108	.114	.118	.608	-.235
10	2131	.282	.108	.624	-.129	10	2907	.125	.102	.497	-.225	20	2109	.262	.123	.722	-.140
10	2132	.324	.115	.815	-.012	10	2908	.001	.107	.347	-.393	20	2110	.235	.104	.581	-.051
10	2133	.323	.106	.670	-.054	10	2909	-.051	.097	.247	-.430	20	2111	.202	.108	.570	-.145
10	2134	.234	.132	.674	-.242	10	2910	.005	.105	.373	-.448	20	2112	.164	.112	.511	-.220
10	2135	.265	.099	.637	-.104	10	2911	.120	.108	.622	-.172	20	2113	.241	.123	.899	-.137
10	2136	.268	.103	.687	-.159	10	2912	.228	.103	.549	-.115	20	2114	.202	.115	.544	-.190
10	2137	.281	.104	.707	-.064	10	2913	.133	.116	.489	-.312	20	2115	.226	.110	.672	-.126
10	2138	.289	.111	.665	-.237	10	2914	.100	.119	.656	-.241	20	2116	.282	.114	.786	-.068
10	2139	.277	.105	.748	-.070	10	2915	.110	.102	.380	-.300	20	2117	.272	.115	.695	-.146
10	2140	.276	.106	.616	-.141	10	2916	.101	.123	.493	-.279	20	2118	.303	.110	.688	-.022
10	2141	.256	.124	.655	-.774	10	2917	.168	.106	.536	-.221	20	2119	.286	.114	.725	-.067
10	2142	.208	.150	.596	-.562	10	2918	.253	.101	.586	-.082	20	2120	.260	.114	.712	-.075
10	2143	.252	.111	.835	-.128	10	2919	.248	.105	.634	-.096	20	2121	.220	.115	.632	-.209
10	2144	.267	.095	.605	-.013	10	2920	.302	.117	.687	-.111	20	2122	.284	.109	.662	-.078
10	2145	.264	.105	.614	-.095	10	2921	.279	.108	.759	-.047	20	2123	.289	.129	.697	-.124
10	2146	.263	.100	.577	-.057	10	2922	.266	.108	.641	-.135	20	2124	.286	.125	.757	-.294
10	2147	.282	.097	.627	-.035	10	2923	.231	.114	.581	-.161	20	2125	.313	.129	.817	-.123
10	2148	.275	.099	.586	-.056	10	2924	.253	.100	.660	-.086	20	2126	.325	.119	.753	-.116
10	2149	.247	.109	.659	-.064	10	2925	.267	.105	.620	-.040	20	2127	.297	.108	.751	.063
10	2201	.264	.106	.660	-.066	10	2926	.253	.107	.673	-.059	20	2128	.269	.106	.641	-.031
10	2202	.276	.126	.671	-.201	10	2927	.216	.141	.623	-.368	20	2129	.283	.110	.800	-.073
10	2203	.251	.118	.754	-.142	10	2928	.216	.107	.551	-.107	20	2130	.277	.104	.642	-.025
10	2204	.300	.114	.726	-.069	10	2929	.256	.105	.619	-.044	20	2131	.265	.111	.626	-.123
10	2205	.293	.106	.828	-.051	10	2930	.239	.154	.719	-.429	20	2132	.305	.111	.757	.006
10	2206	.278	.102	.633	-.076	10	2931	.325	.105	.791	-.016	20	2133	.300	.108	.737	-.002
10	2207	-.224	.200	.411	-1.133	10	2932	.303	.112	.748	-.010	20	2134	.265	.119	.653	-.277
10	2208	-.207	.184	.408	-1.250	10	2933	.228	.108	.590	-.166	20	2135	.260	.104	.589	-.129
10	2209	-.194	.210	.463	-2.519	10	2934	.249	.097	.599	-.130	20	2136	.264	.099	.699	-.113
10	2210	-.162	.151	.263	-1.000	10	2935	.264	.101	.588	-.010	20	2137	.256	.099	.687	-.079
10	2211	-.164	.103	.184	-.620	10	2936	.237	.116	.609	-.251	20	2138	.263	.099	.612	-.133
10	2212	-.168	.123	.222	-.831	10	2937	.287	.102	.683	.002	20	2139	.265	.102	.596	-.035
10	2213	-.221	.190	.222	-1.456	10	2938	.311	.114	.711	-.032	20	2140	.273	.105	.585	-.240
10	2214	-.181	.146	.352	-.894	10	2939	.305	.127	.752	-.131	20	2141	.236	.120	.644	-.375
10	2215	-.167	.138	.217	-.880	10	2940	.306	.105	.677	-.116	20	2142	.173	.143	.715	-.540
10	2216	-.198	.150	.284	-.978	10	2941	.280	.109	.695	-.005	20	2143	.237	.104	.560	-.329
10	2217	-.158	.128	.302	-.788	10	2942	.281	.106	.709	-.001	20	2144	.272	.104	.673	-.068
10	2218	-.168	.112	.207	-.848	10	2943	.246	.108	.540	-.172	20	2145	.249	.107	.534	-.138
10	2219	-.157	.095	.139	-.556	10	2944	.244	.105	.747	-.065	20	2146	.250	.093	.564	-.120
10	2401	.231	.110	.593	-.104	10	2945	.268	.106	.668	-.197	20	2147	.264	.099	.560	-.063
10	2402	.246	.112	.671	-.115	10	2946	.248	.114	.593	-.363	20	2148	.259	.103	.603	-.119
10	2403	.237	.103	.575	-.111	10	2947	.291	.095	.626	.002	20	2149	.204	.103	.593	-.185
10	2404	.269	.108	.654	-.050	10	2948	.301	.109	.722	-.080	20	2201	.253	.110	.680	-.080
10	2405	.277	.105	.700	-.080	20	2101	-.140	.110	.386	-.460	20	2202	.270	.121	.786	-.083
10	2406	.299	.110	.766	-.020	20	2102	-.152	.097	.178	-.476	20	2203	.275	.122	.733	-.075
10	2901	-.220	.104	.114	-.590	20	2103	-.127	.110	.247	-.473	20	2204	.281	.114	.700	-.107
10	2902	-.244	.092	.100	-.549	20	2104	-.175	.111	.241	-.519	20	2205	.301	.099	.703	-.002
10	2903	-.238	.097	.049	-.623	20	2105	.167	.109	.556	-.169	20	2206	.269	.098	.658	-.050
10	2904	-.251	.109	.086	-.781	20	2106	.121	.113	.683	-.241	20	2207	-.112	.171	.364	-1.064

APPENDIX A -- PRESSURE DATA : CONFIGURATION C : TAIKOO SHING CITYPLAZA, HONG KONG (MODIFIED MODEL)

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
20	2208	-.156	.171	.435	-1.200	20	2933	.170	.116	.589	-.246	30	2135	.265	.108	.628	-.027
20	2209	-.145	.174	.329	-2.217	20	2934	.245	.106	.618	-.081	30	2136	.255	.105	.646	-.075
20	2210	-.133	.133	.369	-.759	20	2935	.261	.096	.591	-.062	30	2137	.251	.098	.601	-.110
20	2211	-.133	.110	.230	-.698	20	2936	.254	.111	.604	-.119	30	2138	.242	.112	.637	-.201
20	2212	-.119	.118	.296	-.597	20	2937	.270	.108	.616	-.096	30	2139	.245	.106	.711	-.055
20	2213	-.148	.155	.306	-1.200	20	2938	.301	.116	.798	-.082	30	2140	.218	.103	.630	-.173
20	2214	-.129	.133	.296	-.910	20	2939	.298	.115	.666	-.139	30	2141	.186	.119	.560	-.261
20	2215	-.132	.129	.286	-.827	20	2940	.324	.120	.764	-.077	30	2142	.092	.143	.486	-.463
20	2216	-.121	.137	.328	-.816	20	2941	.277	.108	.673	-.027	30	2143	.230	.106	.585	-.152
20	2217	-.125	.116	.169	-.762	20	2942	.277	.107	.748	-.075	30	2144	.255	.083	.557	-.002
20	2218	-.128	.128	.197	-1.043	20	2943	.222	.116	.593	-.388	30	2145	.238	.092	.556	-.087
20	2219	-.111	.113	.209	-.497	20	2944	.227	.104	.623	-.140	30	2146	.234	.089	.572	-.063
20	2401	.188	.116	.649	-.279	20	2945	.237	.098	.609	-.090	30	2147	.235	.100	.665	-.096
20	2402	.212	.112	.558	-.194	20	2946	.237	.096	.613	-.085	30	2148	.232	.107	.599	-.142
20	2403	.204	.122	.662	-.206	20	2947	.263	.094	.575	-.018	30	2149	.171	.097	.534	-.185
20	2404	.263	.098	.639	-.112	20	2948	.278	.100	.692	-.059	30	2201	.271	.109	.698	-.095
20	2405	.289	.108	.651	-.051	30	2101	-.082	.115	.355	-.431	30	2202	.281	.128	1.044	-.190
20	2406	.283	.103	.652	-.008	30	2102	-.095	.102	.246	-.427	30	2203	.284	.121	.787	-.078
20	2901	-.213	.101	.147	-.614	30	2103	-.086	.108	.258	-.474	30	2204	.263	.108	.727	-.100
20	2902	-.240	.096	.152	-.558	30	2104	-.129	.106	.270	-.526	30	2205	.294	.121	.685	-.025
20	2903	-.245	.106	.119	-.644	30	2105	.135	.112	.547	-.155	30	2206	.264	.109	.682	-.123
20	2904	-.268	.114	.111	-.692	30	2106	.114	.096	.466	-.191	30	2207	.006	.134	.417	-.656
20	2905	-.277	.112	.054	-.721	30	2107	.097	.110	.554	-.359	30	2208	-.042	.140	.414	-.692
20	2906	-.249	.126	.115	-.675	30	2108	.101	.109	.471	-.239	30	2209	-.103	.148	.335	-1.236
20	2907	.103	.102	.551	-.267	30	2109	.203	.105	.613	-.207	30	2210	-.100	.121	.289	-.606
20	2908	-.001	.101	.327	-.366	30	2110	.183	.110	.589	-.117	30	2211	-.110	.098	.241	-.496
20	2909	-.080	.119	.263	-.665	30	2111	.161	.110	.543	-.233	30	2212	-.105	.124	.274	-.624
20	2910	.011	.109	.427	-.392	30	2112	.143	.104	.477	-.176	30	2213	-.066	.150	.513	-.872
20	2911	.145	.113	.587	-.231	30	2113	.240	.105	.638	-.095	30	2214	-.085	.129	.447	-.746
20	2912	.205	.102	.555	-.099	30	2114	.215	.103	.576	-.130	30	2215	-.109	.130	.260	-.737
20	2913	.129	.114	.539	-.339	30	2115	.213	.102	.634	-.120	30	2216	-.003	.134	.447	-.553
20	2914	.094	.116	.583	-.300	30	2116	.269	.116	.707	-.104	30	2217	-.077	.114	.299	-.557
20	2915	.096	.097	.410	-.191	30	2117	.249	.116	.653	-.121	30	2218	-.110	.111	.208	-.618
20	2916	.091	.114	.580	-.223	30	2118	.312	.112	.960	-.065	30	2219	-.112	.109	.266	-.547
20	2917	.177	.105	.525	-.234	30	2119	.294	.108	.663	-.146	30	2401	.172	.111	.501	-.169
20	2918	.252	.098	.550	-.089	30	2120	.262	.113	.682	-.082	30	2402	.185	.110	.507	-.164
20	2919	.202	.101	.619	-.143	30	2121	.204	.107	.579	-.103	30	2403	.166	.101	.470	-.190
20	2920	.268	.105	.692	-.114	30	2122	.271	.117	.720	-.183	30	2404	.254	.112	.759	-.081
20	2921	.273	.111	.724	-.041	30	2123	.276	.135	.758	-.309	30	2405	.250	.101	.603	-.036
20	2922	.268	.110	.607	-.124	30	2124	.271	.130	.794	-.186	30	2406	.261	.103	.701	-.019
20	2923	.213	.101	.553	-.056	30	2125	.273	.122	.732	-.229	30	2901	-.213	.104	.113	-.687
20	2924	.234	.099	.535	-.074	30	2126	.308	.125	.747	-.121	30	2902	-.231	.099	.052	-.547
20	2925	.253	.099	.568	-.111	30	2127	.313	.112	.844	-.029	30	2903	-.224	.104	.185	-.551
20	2926	.284	.119	.787	-.151	30	2128	.271	.115	.803	-.042	30	2904	-.276	.113	.126	-.675
20	2927	.122	.146	.531	-.355	30	2129	.289	.114	.765	-.020	30	2905	-.257	.110	.067	-.699
20	2928	.179	.102	.523	-.177	30	2130	.259	.104	.665	-.025	30	2906	-.198	.121	.213	-.622
20	2929	.265	.113	.642	-.080	30	2131	.261	.108	.615	-.102	30	2907	.098	.105	.475	-.201
20	2930	.320	.140	.783	-.201	30	2132	.290	.126	.808	-.074	30	2908	.003	.109	.291	-.331
20	2931	.296	.103	.681	.002	30	2133	.298	.112	.682	-.038	30	2909	-.062	.124	.290	-.652
20	2932	.278	.111	.715	-.053	30	2134	.277	.115	.764	-.054	30	2910	.034	.126	.603	-.461

APPENDIX A -- PRESSURE DATA ; CONFIGURATION C : TAIKOO SHING CITYPLAZA, HONG KONG (MODIFIED MODEL)

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
30	2911	.167	.126	.711	-.193	40	2113	.243	.125	.752	-.108	40	2214	-.000	.107	.316	-.446
30	2912	.186	.104	.503	-.177	40	2114	.213	.112	.679	-.145	40	2215	-.012	.115	.368	-.514
30	2913	.133	.117	.565	-.351	40	2115	.234	.129	.930	-.158	40	2216	.056	.112	.508	-.291
30	2914	.117	.120	.561	-.239	40	2116	.272	.113	.746	-.098	40	2217	.002	.115	.408	-.439
30	2915	.100	.100	.407	-.241	40	2117	.247	.111	.676	-.108	40	2218	-.033	.108	.269	-.645
30	2916	.089	.133	.559	-.299	40	2118	.272	.116	.854	-.076	40	2219	-.071	.113	.309	-.441
30	2917	.182	.121	.663	-.245	40	2119	.255	.109	.709	-.280	40	2401	.155	.102	.492	-.208
30	2918	.247	.108	.628	-.067	40	2120	.227	.127	.707	-.474	40	2402	.183	.102	.555	-.153
30	2919	.191	.094	.507	-.116	40	2121	.187	.114	.586	-.225	40	2403	.150	.102	.516	-.140
30	2920	.244	.118	.762	-.203	40	2122	.261	.124	.662	-.187	40	2404	.218	.106	.642	-.187
30	2921	.256	.107	.726	-.056	40	2123	.244	.115	.653	-.182	40	2405	.230	.103	.634	-.060
30	2922	.254	.108	.666	-.078	40	2124	.225	.126	.757	-.124	40	2406	.235	.104	.653	-.147
30	2923	.160	.112	.498	-.249	40	2125	.249	.129	.824	-.280	40	2901	-.180	.095	.176	-.562
30	2924	.208	.110	.536	-.173	40	2126	.281	.123	.784	-.056	40	2902	-.193	.103	.095	-.605
30	2925	.251	.104	.581	-.081	40	2127	.283	.120	.726	-.108	40	2903	-.195	.104	.209	-.603
30	2926	.280	.100	.599	-.033	40	2128	.243	.113	.611	-.146	40	2904	-.237	.118	.089	-.643
30	2927	.083	.129	.483	-.342	40	2129	.253	.117	.676	-.187	40	2905	-.223	.104	.099	-.586
30	2928	.152	.093	.483	-.199	40	2130	.229	.105	.614	-.149	40	2906	-.170	.114	.268	-.555
30	2929	.261	.111	.708	-.101	40	2131	.265	.117	.691	-.136	40	2907	.095	.101	.440	-.246
30	2930	.311	.139	.756	-.156	40	2132	.256	.118	.708	-.157	40	2908	-.007	.099	.322	-.356
30	2931	.312	.103	.706	.020	40	2133	.268	.124	.780	-.107	40	2909	-.072	.126	.312	-.700
30	2932	.289	.106	.731	-.092	40	2134	.249	.128	.686	-.221	40	2910	.049	.135	.607	-.484
30	2933	.146	.117	.648	-.375	40	2135	.244	.113	.617	-.086	40	2911	.184	.128	.673	-.189
30	2934	.236	.099	.552	-.087	40	2136	.234	.108	.628	-.171	40	2912	.159	.101	.480	-.188
30	2935	.250	.099	.615	-.027	40	2137	.226	.099	.655	-.118	40	2913	.138	.111	.500	-.273
30	2936	.256	.113	.659	-.159	40	2138	.220	.100	.547	-.164	40	2914	.106	.113	.618	-.227
30	2937	.259	.117	.766	-.069	40	2139	.224	.108	.591	-.177	40	2915	.089	.107	.450	-.350
30	2938	.278	.113	.630	-.091	40	2140	.209	.099	.514	-.124	40	2916	.139	.121	.579	-.359
30	2939	.264	.121	.662	-.124	40	2141	.173	.122	.595	-.279	40	2917	.216	.114	.664	-.134
30	2940	.282	.115	.689	-.059	40	2142	.019	.148	.483	-.684	40	2918	.259	.105	.593	-.055
30	2941	.276	.115	.750	-.141	40	2143	.231	.106	.619	-.147	40	2919	.182	.091	.498	-.104
30	2942	.280	.110	.708	-.024	40	2144	.236	.108	.668	-.104	40	2920	.238	.105	.652	-.125
30	2943	.162	.132	.544	-.486	40	2145	.227	.096	.568	-.074	40	2921	.272	.112	.643	-.064
30	2944	.218	.105	.563	-.100	40	2146	.228	.106	.627	-.103	40	2922	.275	.109	.636	-.042
30	2945	.238	.101	.599	-.054	40	2147	.221	.096	.600	-.054	40	2923	.166	.104	.517	-.164
30	2946	.238	.108	.726	-.093	40	2148	.209	.100	.509	-.143	40	2924	.224	.100	.628	-.073
30	2947	.232	.099	.612	-.043	40	2149	.140	.098	.499	-.184	40	2925	.244	.098	.563	-.112
30	2948	.254	.114	.669	-.239	40	2201	.277	.112	.740	-.162	40	2926	.283	.121	.726	-.079
40	2101	-.005	.105	.311	-.379	40	2202	.266	.119	.707	-.124	40	2927	.093	.117	.559	-.340
40	2102	-.009	.097	.301	-.310	40	2203	.307	.126	.816	-.052	40	2928	.155	.106	.519	-.178
40	2103	-.019	.107	.311	-.433	40	2204	.252	.113	.675	-.229	40	2929	.279	.110	.738	-.045
40	2104	-.058	.109	.334	-.407	40	2205	.275	.124	.706	-.075	40	2930	.325	.133	.980	-.055
40	2105	.110	.094	.481	-.194	40	2206	.241	.108	.771	-.082	40	2931	.282	.110	.812	-.067
40	2106	.107	.091	.469	-.234	40	2207	.031	.115	.731	-.343	40	2932	.269	.105	.677	-.024
40	2107	.101	.094	.418	-.229	40	2208	.005	.137	.622	-.602	40	2933	.141	.110	.470	-.296
40	2108	.106	.112	.527	-.277	40	2209	-.023	.125	.358	-1.009	40	2934	.219	.105	.619	-.092
40	2109	.181	.099	.562	-.113	40	2210	-.029	.120	.320	-.658	40	2935	.243	.110	.584	-.103
40	2110	.177	.101	.477	-.134	40	2211	-.039	.095	.240	-.411	40	2936	.239	.101	.622	-.122
40	2111	.157	.094	.466	-.163	40	2212	-.068	.110	.283	-.452	40	2937	.234	.112	.658	-.138
40	2112	.118	.095	.420	-.208	40	2213	.014	.125	.415	-.613	40	2938	.274	.111	.719	-.061

APPENDIX A -- PRESSURE DATA ; CONFIGURATION C : TAIKOO SHING CITYPLAZA, HONG KONG (MODIFIED MODEL)

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
40	2939	.252	.119	.657	-.143	50	2141	.154	.115	.585	-.232	50	2917	.203	.120	.665	-.223
40	2940	.275	.116	.671	-.138	50	2142	-.009	.135	.423	-.453	50	2918	.245	.112	.724	-.129
40	2941	.244	.116	.614	-.177	50	2143	.158	.117	.580	-.183	50	2919	.150	.086	.413	-.112
40	2942	.246	.114	.618	-.238	50	2144	.188	.099	.506	-.134	50	2920	.196	.119	.632	-.208
40	2943	.158	.112	.550	-.334	50	2145	.196	.098	.522	-.179	50	2921	.221	.114	.636	-.176
40	2944	.195	.101	.533	-.117	50	2146	.205	.090	.513	-.064	50	2922	.250	.116	.727	-.167
40	2945	.213	.101	.565	-.135	50	2147	.207	.097	.529	-.068	50	2923	.123	.097	.439	-.242
40	2946	.230	.106	.578	-.162	50	2148	.188	.091	.487	-.156	50	2924	.182	.106	.550	-.233
40	2947	.217	.094	.554	-.086	50	2149	.126	.097	.471	-.201	50	2925	.217	.116	.639	-.144
40	2948	.232	.103	.690	-.120	50	2201	.257	.105	.655	-.045	50	2926	.266	.113	.687	-.097
50	2101	.026	.102	.421	-.343	50	2202	.248	.128	.697	-.219	50	2927	.081	.101	.433	-.327
50	2102	.022	.098	.351	-.288	50	2203	.255	.119	.720	-.205	50	2928	.109	.093	.486	-.306
50	2103	.013	.099	.342	-.383	50	2204	.178	.127	.734	-.375	50	2929	.273	.114	.670	-.067
50	2104	-.023	.106	.349	-.338	50	2205	.170	.115	.697	-.266	50	2930	.318	.129	.849	-.268
50	2105	.066	.106	.399	-.257	50	2206	.143	.121	.550	-.292	50	2931	.138	.113	.623	-.249
50	2106	.073	.091	.378	-.213	50	2207	.039	.125	.542	-.387	50	2932	.180	.125	.677	-.267
50	2107	.068	.102	.417	-.293	50	2208	.036	.129	.630	-.348	50	2933	.146	.113	.548	-.366
50	2108	.071	.108	.402	-.292	50	2209	.019	.110	.427	-.367	50	2934	.185	.100	.586	-.099
50	2109	.105	.107	.485	-.248	50	2210	.020	.096	.389	-.304	50	2935	.209	.107	.583	-.131
50	2110	.102	.100	.452	-.235	50	2211	.017	.082	.281	-.215	50	2936	.232	.099	.591	-.156
50	2111	.112	.099	.435	-.267	50	2212	.003	.094	.344	-.362	50	2937	.226	.110	.638	-.112
50	2112	.108	.106	.470	-.248	50	2213	.089	.123	.566	-.443	50	2938	.254	.109	.671	-.141
50	2113	.182	.118	.675	-.267	50	2214	.068	.121	.564	-.298	50	2939	.139	.109	.509	-.199
50	2114	.167	.110	.641	-.253	50	2215	.054	.113	.448	-.330	50	2940	.243	.116	.664	-.080
50	2115	.175	.110	.677	-.142	50	2216	.088	.107	.484	-.268	50	2941	.116	.110	.446	-.211
50	2116	.245	.120	.862	-.092	50	2217	.077	.107	.502	-.252	50	2942	.148	.130	.626	-.356
50	2117	.218	.109	.574	-.322	50	2218	.045	.102	.372	-.363	50	2943	.118	.109	.471	-.509
50	2118	.135	.109	.496	-.212	50	2219	.017	.100	.343	-.342	50	2944	.165	.122	.614	-.348
50	2119	.132	.120	.677	-.196	50	2401	.111	.102	.486	-.255	50	2945	.196	.115	.539	-.328
50	2120	.139	.129	.579	-.354	50	2402	.159	.098	.543	-.176	50	2946	.212	.106	.526	-.177
50	2121	.130	.109	.503	-.238	50	2403	.125	.105	.456	-.208	50	2947	.218	.103	.702	-.104
50	2122	.240	.121	.671	-.169	50	2404	.208	.107	.559	-.099	50	2948	.231	.104	.642	-.157
50	2123	.240	.124	.635	-.313	50	2405	.228	.108	.641	-.135	60	2101	.019	.107	.376	-.446
50	2124	.222	.132	.712	-.196	50	2406	.231	.096	.524	-.072	60	2102	.027	.095	.344	-.297
50	2125	.230	.126	.767	-.232	50	2901	-.125	.102	.168	-.435	60	2103	.024	.108	.445	-.461
50	2126	.151	.115	.528	-.195	50	2902	-.153	.101	.244	-.492	60	2104	.014	.104	.374	-.376
50	2127	.126	.115	.521	-.218	50	2903	-.152	.093	.231	-.464	60	2105	.029	.101	.389	-.379
50	2128	.125	.118	.475	-.296	50	2904	-.137	.102	.213	-.520	60	2106	.034	.093	.369	-.259
50	2129	.166	.126	.629	-.300	50	2905	-.187	.103	.145	-.647	60	2107	.041	.095	.346	-.287
50	2130	.229	.099	.538	-.067	50	2906	-.170	.101	.136	-.532	60	2108	.038	.098	.379	-.289
50	2131	.238	.108	.568	-.091	50	2907	-.084	.096	.500	-.264	60	2109	.037	.094	.326	-.355
50	2132	.269	.109	.679	-.067	50	2908	-.006	.098	.363	-.506	60	2110	.051	.094	.394	-.227
50	2133	.276	.120	.676	-.121	50	2909	-.143	.146	.284	-.679	60	2111	.055	.101	.446	-.351
50	2134	.148	.119	.661	-.176	50	2910	.045	.137	.538	-.502	60	2112	.064	.089	.332	-.209
50	2135	.169	.123	.666	-.331	50	2911	.170	.127	.771	-.244	60	2113	.087	.108	.520	-.245
50	2136	.181	.115	.648	-.180	50	2912	.102	.097	.409	-.248	60	2114	.096	.106	.464	-.258
50	2137	.203	.093	.533	-.156	50	2913	.066	.105	.511	-.244	60	2115	.090	.105	.445	-.208
50	2138	.199	.106	.540	-.148	50	2914	.058	.101	.421	-.293	60	2116	.152	.105	.602	-.302
50	2139	.206	.112	.595	-.230	50	2915	.023	.120	.388	-.423	60	2117	.136	.137	.624	-.599
50	2140	.195	.103	.546	-.177	50	2916	.096	.136	.496	-.397	60	2118	.058	.098	.418	-.236

APPENDIX A -- PRESSURE DATA ; CONFIGURATION C : TAIKOO SHING CITYPLAZA, HONG KONG (MODIFIED MODEL)

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
60	2119	.052	.096	.417	-.300
60	2120	.054	.098	.351	-.256
60	2121	.055	.099	.452	-.302
60	2122	.175	.118	.578	-.244
60	2123	.211	.128	.655	-.254
60	2124	.201	.129	.716	-.270
60	2125	.200	.141	.733	-.328
60	2126	.048	.095	.329	-.245
60	2127	.060	.098	.464	-.236
60	2128	.054	.095	.337	-.219
60	2129	.071	.094	.410	-.335
60	2130	.172	.100	.486	-.120
60	2131	.207	.119	.585	-.187
60	2132	.220	.117	.673	-.159
60	2133	.222	.110	.644	-.181
60	2134	.066	.110	.502	-.318
60	2135	.090	.113	.407	-.329
60	2136	.107	.104	.600	-.285
60	2137	.124	.102	.521	-.170
60	2138	.148	.110	.540	-.287
60	2139	.159	.109	.534	-.226
60	2140	.163	.108	.507	-.270
60	2141	.128	.112	.440	-.253
60	2142	.037	.129	.466	-.508
60	2143	.086	.101	.479	-.274
60	2144	.115	.108	.610	-.239
60	2145	.132	.100	.468	-.156
60	2146	.148	.107	.497	-.157
60	2147	.159	.096	.516	-.146
60	2148	.154	.108	.535	-.170
60	2149	.120	.097	.465	-.153
60	2201	.168	.108	.561	-.298
60	2202	.168	.126	.736	-.233
60	2203	.173	.116	.603	-.167
60	2204	.064	.115	.542	-.425
60	2205	.082	.100	.560	-.224
60	2206	.058	.111	.507	-.491
60	2207	.098	.128	.729	-.276
60	2208	.125	.142	.654	-.241
60	2209	.073	.114	.530	-.382
60	2210	.072	.115	.490	-.294
60	2211	.057	.087	.360	-.213
60	2212	.032	.106	.386	-.352
60	2213	.164	.140	.764	-.248
60	2214	.156	.133	.670	-.301
60	2215	.103	.118	.527	-.270
60	2216	.111	.115	.604	-.220
60	2217	.113	.110	.608	-.264
60	2218	.077	.099	.486	-.229
60	2219	.043	.094	.410	-.332

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
60	2401	.070	.099	.395	-.243
60	2402	.079	.096	.401	-.228
60	2403	.076	.098	.413	-.402
60	2404	.169	.100	.628	-.178
60	2405	.179	.094	.499	-.192
60	2406	.178	.097	.468	-.114
60	2901	-.093	.097	.258	-.428
60	2902	-.121	.099	.172	-.502
60	2903	-.115	.095	.165	-.442
60	2904	-.085	.094	.238	-.415
60	2905	-.137	.101	.197	-.578
60	2906	-.148	.101	.196	-.519
60	2907	.056	.101	.433	-.284
60	2908	-.020	.103	.358	-.383
60	2909	-.124	.129	.245	-.681
60	2910	.030	.111	.592	-.315
60	2911	.105	.102	.509	-.236
60	2912	.046	.090	.327	-.298
60	2913	.032	.098	.341	-.352
60	2914	.014	.093	.364	-.380
60	2915	-.013	.100	.318	-.323
60	2916	.051	.135	.558	-.506
60	2917	.138	.126	.484	-.283
60	2918	.177	.109	.607	-.148
60	2919	.080	.088	.394	-.196
60	2920	.119	.108	.558	-.185
60	2921	.150	.107	.613	-.157
60	2922	.170	.108	.506	-.415
60	2923	.086	.095	.438	-.211
60	2924	.104	.103	.424	-.315
60	2925	.139	.095	.453	-.176
60	2926	.172	.120	.634	-.189
60	2927	.045	.087	.390	-.248
60	2928	.046	.095	.399	-.252
60	2929	.191	.102	.521	-.151
60	2930	.242	.139	1.019	-.207
60	2931	.058	.099	.411	-.246
60	2932	.083	.109	.496	-.333
60	2933	.074	.104	.384	-.293
60	2934	.104	.098	.430	-.217
60	2935	.132	.101	.447	-.190
60	2936	.172	.110	.558	-.213
60	2937	.185	.100	.590	-.196
60	2938	.214	.121	.630	-.205
60	2939	.047	.092	.317	-.243
60	2940	.223	.125	.722	-.142
60	2941	.053	.090	.322	-.201
60	2942	.055	.096	.403	-.362
60	2943	.052	.102	.403	-.411
60	2944	.075	.116	.416	-.411

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
60	2945	.109	.108	.481	-.262
60	2946	.158	.119	.549	-.272
60	2947	.186	.105	.549	-.131
60	2948	.209	.113	.601	-.118
70	2101	-.009	.100	.340	-.330
70	2102	.003	.103	.351	-.359
70	2103	.006	.110	.399	-.583
70	2104	.005	.093	.352	-.389
70	2105	-.015	.096	.322	-.407
70	2106	-.006	.099	.319	-.352
70	2107	.004	.097	.362	-.328
70	2108	.009	.093	.330	-.275
70	2109	.011	.090	.325	-.324
70	2110	.017	.087	.304	-.317
70	2111	.025	.088	.325	-.337
70	2112	.034	.087	.323	-.290
70	2113	.037	.092	.409	-.427
70	2114	.032	.108	.475	-.367
70	2115	.044	.099	.392	-.252
70	2116	.082	.093	.399	-.288
70	2117	.057	.145	.466	-.591
70	2118	.025	.094	.331	-.247
70	2119	.026	.090	.295	-.252
70	2120	.026	.093	.384	-.335
70	2121	.031	.088	.334	-.283
70	2122	.101	.105	.549	-.313
70	2123	.106	.112	.612	-.371
70	2124	.124	.120	.677	-.240
70	2125	.134	.120	.582	-.712
70	2126	.025	.083	.293	-.247
70	2127	.027	.085	.374	-.255
70	2128	.035	.090	.325	-.308
70	2129	.035	.091	.365	-.305
70	2130	.115	.096	.467	-.203
70	2131	.123	.106	.467	-.243
70	2132	.141	.100	.499	-.162
70	2133	.154	.120	.708	-.217
70	2134	.031	.095	.329	-.259
70	2135	.040	.086	.404	-.210
70	2136	.052	.094	.388	-.254
70	2137	.066	.101	.392	-.368
70	2138	.085	.098	.399	-.268
70	2139	.106	.097	.457	-.273
70	2140	.111	.095	.432	-.201
70	2141	.113	.097	.489	-.181
70	2142	.059	.092	.347	-.334
70	2143	.045	.086	.329	-.244
70	2144	.058	.093	.436	-.226
70	2145	.076	.098	.421	-.233
70	2146	.096	.100	.463	-.241

APPENDIX A -- PRESSURE DATA ; CONFIGURATION C : TAIKOO SHING CITYPLAZA, HONG KONG (MODIFIED MODEL)

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
70	2147	.111	.093	.404	-.195	70	2923	.049	.087	.309	-.225	80	2125	.073	.105	.526	-.269
70	2148	.111	.097	.439	-.293	70	2924	.047	.084	.317	-.255	80	2126	-.004	.087	.289	-.303
70	2149	.100	.096	.414	-.184	70	2925	.068	.084	.350	-.258	80	2127	-.004	.082	.273	-.259
70	2201	.079	.104	.399	-.357	70	2926	.087	.096	.459	-.400	80	2128	.013	.086	.284	-.285
70	2202	.079	.100	.424	-.339	70	2927	.020	.091	.274	-.292	80	2129	.019	.088	.314	-.250
70	2203	.087	.097	.459	-.271	70	2928	.020	.091	.295	-.278	80	2130	.058	.087	.379	-.246
70	2204	.035	.092	.340	-.308	70	2929	.123	.091	.416	-.198	80	2131	.067	.090	.326	-.300
70	2205	.040	.089	.325	-.242	70	2930	.168	.124	.680	-.348	80	2132	.074	.090	.408	-.232
70	2206	.028	.091	.321	-.447	70	2931	.030	.093	.334	-.261	80	2133	.081	.092	.352	-.231
70	2207	.074	.142	.685	-.290	70	2932	.040	.092	.369	-.261	80	2134	-.008	.087	.310	-.316
70	2208	.111	.144	.610	-.302	70	2933	.033	.094	.372	-.316	80	2135	.017	.082	.317	-.224
70	2209	.057	.125	.556	-.333	70	2934	.054	.089	.373	-.233	80	2136	.025	.091	.361	-.461
70	2210	.044	.110	.469	-.312	70	2935	.069	.093	.392	-.287	80	2137	.037	.084	.312	-.206
70	2211	.041	.085	.489	-.210	70	2936	.085	.097	.509	-.300	80	2138	.048	.090	.319	-.271
70	2212	.021	.103	.385	-.429	70	2937	.110	.097	.487	-.184	80	2139	.057	.087	.353	-.243
70	2213	.137	.138	.825	-.254	70	2938	.128	.098	.505	-.295	80	2140	.063	.091	.371	-.235
70	2214	.130	.134	.654	-.228	70	2939	.023	.081	.284	-.251	80	2141	.068	.098	.398	-.239
70	2215	.094	.116	.563	-.259	70	2940	.146	.102	.655	-.173	80	2142	.042	.096	.371	-.436
70	2216	.086	.110	.607	-.272	70	2941	.026	.087	.303	-.302	80	2143	.018	.081	.270	-.280
70	2217	.117	.125	.628	-.302	70	2942	.027	.090	.373	-.297	80	2144	.028	.088	.436	-.266
70	2218	.066	.106	.473	-.232	70	2943	.023	.095	.314	-.293	80	2145	.038	.095	.331	-.280
70	2219	.023	.099	.417	-.308	70	2944	.030	.094	.328	-.349	80	2146	.049	.088	.434	-.247
70	2401	.042	.090	.321	-.353	70	2945	.052	.114	.499	-.755	80	2147	.057	.098	.394	-.330
70	2402	.046	.086	.321	-.256	70	2946	.086	.104	.423	-.274	80	2148	.069	.096	.452	-.259
70	2403	.046	.088	.401	-.304	70	2947	.106	.086	.411	-.153	80	2149	.060	.086	.364	-.271
70	2404	.101	.096	.440	-.242	70	2948	.129	.105	.484	-.345	80	2201	.050	.091	.427	-.248
70	2405	.104	.092	.401	-.210	80	2101	-.032	.088	.284	-.332	80	2202	.040	.094	.307	-.322
70	2406	.118	.094	.476	-.210	80	2102	-.024	.083	.266	-.317	80	2203	.044	.089	.309	-.272
70	2901	-.069	.093	.206	-.369	80	2103	-.015	.092	.272	-.420	80	2204	.030	.095	.418	-.334
70	2902	-.082	.098	.266	-.464	80	2104	-.005	.087	.356	-.457	80	2205	.031	.093	.344	-.247
70	2903	-.072	.089	.283	-.361	80	2105	-.034	.091	.315	-.307	80	2206	.021	.090	.300	-.346
70	2904	-.059	.092	.233	-.432	80	2106	-.025	.082	.222	-.377	80	2207	.034	.128	.614	-.290
70	2905	-.082	.096	.240	-.482	80	2107	-.014	.085	.299	-.356	80	2208	.052	.124	.692	-.313
70	2906	-.053	.106	.265	-.383	80	2108	-.009	.085	.317	-.319	80	2209	.037	.129	.665	-.329
70	2907	.032	.092	.388	-.360	80	2109	-.028	.089	.298	-.351	80	2210	.022	.108	.443	-.317
70	2908	-.013	.088	.269	-.308	80	2110	-.019	.091	.285	-.355	80	2211	.008	.099	.424	-.289
70	2909	-.069	.104	.342	-.456	80	2111	-.003	.091	.283	-.366	80	2212	.010	.119	.613	-.426
70	2910	.075	.125	.523	-.354	80	2112	.007	.081	.281	-.280	80	2213	.085	.120	.706	-.272
70	2911	.088	.099	.423	-.256	80	2113	.018	.094	.356	-.470	80	2214	.069	.122	.814	-.322
70	2912	.024	.091	.347	-.263	80	2114	.020	.102	.343	-.330	80	2215	.043	.110	.543	-.247
70	2913	.012	.097	.321	-.301	80	2115	.016	.089	.322	-.251	80	2216	.043	.106	.502	-.307
70	2914	.008	.082	.298	-.278	80	2116	.044	.096	.401	-.296	80	2217	.068	.116	.607	-.323
70	2915	-.016	.098	.306	-.372	80	2117	.035	.109	.393	-.445	80	2218	.032	.106	.580	-.297
70	2916	.049	.104	.360	-.462	80	2118	-.010	.085	.257	-.344	80	2219	.006	.096	.366	-.305
70	2917	.110	.092	.451	-.223	80	2119	-.005	.090	.278	-.330	80	2401	.007	.093	.353	-.306
70	2918	.130	.102	.548	-.185	80	2120	-.003	.088	.317	-.340	80	2402	.022	.089	.287	-.267
70	2919	.043	.092	.357	-.337	80	2121	.004	.086	.311	-.268	80	2403	.009	.085	.291	-.240
70	2920	.060	.094	.457	-.295	80	2122	.052	.091	.344	-.283	80	2404	.058	.088	.383	-.247
70	2921	.077	.100	.411	-.395	80	2123	.057	.103	.377	-.400	80	2405	.059	.091	.390	-.214
70	2922	.087	.096	.413	-.255	80	2124	.063	.098	.386	-.289	80	2406	.062	.087	.367	-.243

APPENDIX A -- PRESSURE DATA ; CONFIGURATION C : TAIKOO SHING CITYPLAZA, HONG KONG (MODIFIED MODEL)

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
80	2901	-.061	.091	.209	-.444	90	2103	-.040	.090	.364	-.478	90	2204	-.007	.089	.401	-.316
80	2902	-.075	.090	.274	-.377	90	2104	-.034	.088	.251	-.462	90	2205	-.007	.093	.285	-.361
80	2903	-.067	.086	.215	-.400	90	2105	-.054	.087	.227	-.320	90	2206	-.016	.082	.235	-.317
80	2904	-.054	.091	.323	-.368	90	2106	-.049	.095	.288	-.384	90	2207	.035	.124	.622	-.400
80	2905	-.071	.095	.284	-.482	90	2107	-.042	.090	.285	-.316	90	2208	.038	.133	.667	-.431
80	2906	-.065	.091	.256	-.388	90	2108	-.034	.092	.230	-.377	90	2209	.015	.129	.679	-.386
80	2907	.006	.093	.396	-.283	90	2109	-.052	.084	.349	-.315	90	2210	.007	.114	.484	-.334
80	2908	-.024	.093	.276	-.348	90	2110	-.049	.092	.263	-.408	90	2211	.006	.107	.524	-.295
80	2909	-.073	.094	.254	-.482	90	2111	-.041	.083	.230	-.361	90	2212	-.008	.111	.592	-.338
80	2910	.021	.099	.431	-.320	90	2112	-.031	.086	.258	-.365	90	2213	.049	.123	.574	-.404
80	2911	.038	.095	.403	-.251	90	2113	-.013	.087	.305	-.367	90	2214	.061	.127	.677	-.308
80	2912	-.013	.087	.292	-.284	90	2114	-.017	.096	.292	-.324	90	2215	.032	.115	.488	-.275
80	2913	-.022	.089	.277	-.422	90	2115	-.014	.090	.341	-.307	90	2216	.034	.108	.548	-.287
80	2914	-.020	.083	.334	-.298	90	2116	.001	.094	.306	-.285	90	2217	.039	.106	.527	-.257
80	2915	-.023	.083	.226	-.306	90	2117	.004	.089	.309	-.328	90	2218	.007	.104	.419	-.295
80	2916	.019	.087	.311	-.357	90	2118	-.045	.089	.208	-.314	90	2219	-.000	.113	.427	-.395
80	2917	.061	.087	.449	-.216	90	2119	-.039	.088	.239	-.349	90	2401	-.044	.091	.266	-.375
80	2918	.079	.098	.509	-.266	90	2120	-.032	.088	.230	-.316	90	2402	-.025	.081	.296	-.260
80	2919	.012	.078	.272	-.237	90	2121	-.037	.079	.239	-.326	90	2403	-.043	.088	.228	-.326
80	2920	.029	.087	.337	-.315	90	2122	.008	.092	.308	-.277	90	2404	.010	.088	.289	-.249
80	2921	.038	.088	.314	-.276	90	2123	.014	.087	.410	-.265	90	2405	.011	.084	.288	-.257
80	2922	.047	.094	.352	-.304	90	2124	.018	.098	.309	-.280	90	2406	.012	.085	.291	-.225
80	2923	.019	.089	.332	-.275	90	2125	.025	.096	.364	-.293	90	2901	-.061	.088	.211	-.404
80	2924	.028	.093	.321	-.411	90	2126	-.045	.083	.290	-.287	90	2902	-.064	.088	.204	-.392
80	2925	.037	.081	.292	-.239	90	2127	-.044	.088	.223	-.337	90	2903	-.056	.080	.240	-.314
80	2926	.043	.095	.355	-.252	90	2128	-.023	.086	.239	-.295	90	2904	-.056	.089	.241	-.365
80	2927	-.013	.091	.265	-.328	90	2129	-.011	.087	.273	-.284	90	2905	-.066	.088	.204	-.407
80	2928	-.018	.084	.276	-.463	90	2130	.010	.086	.285	-.226	90	2906	-.057	.097	.259	-.358
80	2929	.070	.102	.470	-.312	90	2131	.010	.091	.327	-.289	90	2907	-.026	.092	.275	-.355
80	2930	.110	.117	.682	-.285	90	2132	.023	.089	.316	-.256	90	2908	-.041	.083	.283	-.301
80	2931	.000	.083	.262	-.298	90	2133	.020	.083	.316	-.266	90	2909	-.068	.094	.244	-.382
80	2932	.025	.088	.325	-.258	90	2134	-.043	.086	.263	-.363	90	2910	-.019	.089	.317	-.294
80	2933	.004	.089	.370	-.296	90	2135	-.020	.087	.272	-.333	90	2911	-.004	.089	.283	-.263
80	2934	.024	.086	.332	-.301	90	2136	-.013	.088	.261	-.290	90	2912	-.039	.084	.255	-.271
80	2935	.040	.090	.427	-.233	90	2137	-.007	.093	.304	-.327	90	2913	-.040	.089	.252	-.331
80	2936	.041	.092	.337	-.263	90	2138	.000	.091	.317	-.306	90	2914	-.046	.080	.174	-.360
80	2937	.057	.087	.339	-.249	90	2139	.010	.091	.289	-.325	90	2915	-.046	.080	.213	-.328
80	2938	.072	.093	.362	-.233	90	2140	.016	.091	.439	-.270	90	2916	-.023	.083	.261	-.311
80	2939	-.006	.085	.267	-.291	90	2141	.020	.095	.320	-.350	90	2917	.001	.085	.320	-.296
80	2940	.079	.092	.411	-.235	90	2142	.010	.086	.293	-.298	90	2918	.008	.087	.295	-.312
80	2941	-.011	.085	.260	-.292	90	2143	-.026	.086	.240	-.362	90	2919	-.028	.089	.260	-.319
80	2942	.011	.087	.303	-.270	90	2144	-.011	.086	.248	-.328	90	2920	-.008	.089	.335	-.305
80	2943	.005	.085	.315	-.322	90	2145	-.006	.095	.294	-.302	90	2921	.002	.088	.268	-.305
80	2944	.018	.087	.364	-.263	90	2146	.003	.090	.306	-.293	90	2922	.004	.088	.329	-.265
80	2945	.031	.086	.346	-.369	90	2147	.003	.094	.293	-.282	90	2923	-.037	.092	.254	-.415
80	2946	.041	.089	.365	-.264	90	2148	.019	.091	.335	-.261	90	2924	-.013	.081	.241	-.311
80	2947	.061	.082	.364	-.215	90	2149	.022	.088	.365	-.242	90	2925	-.005	.086	.238	-.349
80	2948	.073	.093	.489	-.260	90	2201	.004	.093	.315	-.303	90	2926	.008	.088	.275	-.367
90	2101	-.051	.087	.215	-.421	90	2202	.003	.089	.314	-.295	90	2927	-.050	.091	.255	-.339
90	2102	-.047	.079	.203	-.367	90	2203	.009	.089	.271	-.288	90	2928	-.052	.085	.207	-.350

APPENDIX A -- PRESSURE DATA ; CONFIGURATION C : TAIKOO SHING CITYPLAZA, HONG KONG (MODIFIED MODEL)

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
90	2929	.005	.094	.319	-.278	100	2131	-.030	.086	.243	-.371	100	2907	-.053	.088	.251	-.355
90	2930	.020	.093	.339	-.301	100	2132	-.028	.084	.216	-.361	100	2908	-.061	.087	.240	-.357
90	2931	-.031	.087	.227	-.305	100	2133	-.026	.084	.289	-.338	100	2909	-.068	.083	.219	-.333
90	2932	-.010	.085	.240	-.335	100	2134	-.073	.093	.275	-.381	100	2910	-.049	.089	.207	-.367
90	2933	-.032	.090	.217	-.325	100	2135	-.056	.089	.200	-.368	100	2911	-.045	.090	.238	-.345
90	2934	-.012	.080	.265	-.288	100	2136	-.049	.085	.211	-.398	100	2912	-.064	.092	.236	-.348
90	2935	-.005	.089	.288	-.298	100	2137	-.042	.086	.282	-.344	100	2913	-.054	.084	.212	-.357
90	2936	.001	.086	.364	-.265	100	2138	-.038	.095	.237	-.338	100	2914	-.061	.080	.172	-.343
90	2937	.010	.093	.311	-.278	100	2139	-.034	.089	.259	-.355	100	2915	-.067	.076	.190	-.332
90	2938	.019	.093	.343	-.328	100	2140	-.034	.083	.244	-.279	100	2916	-.061	.083	.235	-.344
90	2939	-.042	.080	.279	-.284	100	2141	-.030	.094	.253	-.360	100	2917	-.047	.087	.203	-.327
90	2940	.017	.093	.328	-.264	100	2142	-.030	.090	.338	-.381	100	2918	-.045	.081	.182	-.370
90	2941	-.044	.085	.234	-.319	100	2143	-.060	.089	.216	-.456	100	2919	-.062	.083	.238	-.329
90	2942	-.017	.086	.273	-.281	100	2144	-.049	.081	.216	-.345	100	2920	-.050	.092	.216	-.336
90	2943	-.024	.084	.247	-.248	100	2145	-.043	.090	.263	-.336	100	2921	-.045	.085	.226	-.337
90	2944	-.019	.083	.217	-.274	100	2146	-.043	.087	.226	-.337	100	2922	-.045	.078	.228	-.286
90	2945	-.011	.082	.269	-.326	100	2147	-.038	.083	.275	-.318	100	2923	-.071	.089	.196	-.356
90	2946	.001	.089	.291	-.321	100	2148	-.036	.088	.253	-.366	100	2924	-.057	.085	.275	-.390
90	2947	.009	.086	.353	-.292	100	2149	-.030	.083	.237	-.348	100	2925	-.046	.086	.248	-.364
90	2948	.016	.089	.387	-.287	100	2201	-.037	.085	.287	-.313	100	2926	-.043	.080	.200	-.352
100	2101	-.069	.087	.195	-.375	100	2202	-.042	.094	.223	-.353	100	2927	-.067	.086	.225	-.334
100	2102	-.068	.078	.201	-.420	100	2203	-.040	.087	.236	-.362	100	2928	-.075	.084	.178	-.372
100	2103	-.064	.094	.264	-.378	100	2204	-.050	.080	.250	-.297	100	2929	-.042	.082	.258	-.325
100	2104	-.057	.093	.241	-.504	100	2205	-.052	.090	.214	-.344	100	2930	-.037	.089	.270	-.347
100	2105	-.067	.086	.218	-.471	100	2206	-.056	.086	.272	-.386	100	2931	-.068	.081	.175	-.354
100	2106	-.064	.087	.249	-.335	100	2207	.017	.119	.521	-.322	100	2932	-.052	.084	.225	-.300
100	2107	-.062	.095	.232	-.367	100	2208	.025	.118	.585	-.275	100	2933	-.074	.085	.210	-.389
100	2108	-.054	.089	.233	-.354	100	2209	.020	.118	.585	-.292	100	2934	-.055	.077	.219	-.380
100	2109	-.069	.083	.222	-.322	100	2210	.014	.125	.542	-.395	100	2935	-.049	.095	.277	-.334
100	2110	-.068	.092	.207	-.374	100	2211	.004	.094	.432	-.301	100	2936	-.046	.083	.235	-.350
100	2111	-.061	.088	.277	-.409	100	2212	-.008	.124	.736	-.429	100	2937	-.043	.079	.259	-.310
100	2112	-.052	.087	.229	-.402	100	2213	.036	.112	.522	-.345	100	2938	-.032	.087	.258	-.319
100	2113	-.051	.079	.194	-.362	100	2214	.049	.121	.682	-.296	100	2939	-.074	.083	.193	-.349
100	2114	-.050	.088	.256	-.336	100	2215	.040	.121	.686	-.280	100	2940	-.034	.083	.243	-.367
100	2115	-.053	.086	.233	-.339	100	2216	.015	.104	.491	-.283	100	2941	-.073	.088	.186	-.370
100	2116	-.041	.085	.267	-.320	100	2217	.033	.115	.525	-.268	100	2942	-.060	.087	.216	-.330
100	2117	-.042	.087	.239	-.310	100	2218	.003	.104	.392	-.400	100	2943	-.068	.090	.230	-.356
100	2118	-.068	.081	.184	-.354	100	2219	-.019	.094	.369	-.309	100	2944	-.056	.082	.168	-.352
100	2119	-.065	.085	.193	-.347	100	2401	-.066	.087	.249	-.347	100	2945	-.048	.080	.225	-.340
100	2120	-.062	.085	.228	-.320	100	2402	-.057	.085	.233	-.340	100	2946	-.040	.089	.275	-.319
100	2121	-.065	.077	.221	-.374	100	2403	-.065	.083	.187	-.324	100	2947	-.036	.086	.231	-.328
100	2122	-.037	.097	.294	-.326	100	2404	-.036	.088	.199	-.332	100	2948	-.031	.085	.244	-.382
100	2123	-.035	.085	.237	-.335	100	2405	-.033	.088	.251	-.326	110	2101	-.073	.079	.202	-.367
100	2124	-.033	.082	.264	-.290	100	2406	-.030	.092	.266	-.324	110	2102	-.072	.077	.190	-.393
100	2125	-.020	.089	.278	-.326	100	2901	-.058	.089	.234	-.334	110	2103	-.069	.091	.278	-.381
100	2126	-.067	.086	.199	-.358	100	2902	-.060	.086	.233	-.349	110	2104	-.064	.084	.220	-.346
100	2127	-.066	.082	.182	-.316	100	2903	-.060	.081	.240	-.375	110	2105	-.068	.089	.242	-.351
100	2128	-.058	.089	.191	-.375	100	2904	-.055	.096	.286	-.345	110	2106	-.068	.087	.232	-.355
100	2129	-.052	.089	.237	-.324	100	2905	-.062	.084	.200	-.363	110	2107	-.065	.084	.258	-.338
100	2130	-.033	.092	.268	-.329	100	2906	-.061	.081	.248	-.316	110	2108	-.067	.090	.240	-.350

APPENDIX A -- PRESSURE DATA ; CONFIGURATION C : TAIKOO SHING CITYPLAZA, HONG KONG (MODIFIED MODEL)

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
110	2109	-.068	.082	.215	-.389	110	2210	.000	.117	.564	-.336	110	2935	-.066	.088	.252	-.338
110	2110	-.072	.086	.189	-.396	110	2211	.015	.109	.459	-.260	110	2936	-.065	.089	.191	-.363
110	2111	-.070	.091	.265	-.473	110	2212	.013	.123	.569	-.326	110	2937	-.054	.073	.189	-.316
110	2112	-.068	.083	.257	-.323	110	2213	.027	.131	.613	-.342	110	2938	-.056	.081	.242	-.298
110	2113	-.064	.082	.253	-.372	110	2214	.032	.120	.533	-.346	110	2939	-.080	.085	.216	-.370
110	2114	-.061	.083	.237	-.335	110	2215	.028	.120	.552	-.300	110	2940	-.058	.079	.192	-.350
110	2115	-.062	.089	.215	-.355	110	2216	-.011	.109	.416	-.323	110	2941	-.076	.090	.164	-.391
110	2116	-.059	.085	.274	-.402	110	2217	.013	.111	.531	-.299	110	2942	-.073	.087	.227	-.359
110	2117	-.061	.079	.175	-.348	110	2218	-.005	.108	.469	-.322	110	2943	-.078	.081	.214	-.350
110	2118	-.076	.086	.179	-.416	110	2219	.002	.100	.573	-.323	110	2944	-.068	.077	.208	-.307
110	2119	-.075	.093	.225	-.375	110	2401	-.072	.080	.199	-.335	110	2945	-.062	.079	.200	-.342
110	2120	-.069	.080	.211	-.387	110	2402	-.066	.085	.234	-.378	110	2946	-.060	.088	.270	-.300
110	2121	-.071	.096	.275	-.420	110	2403	-.067	.077	.182	-.365	110	2947	-.055	.079	.237	-.332
110	2122	-.058	.089	.249	-.337	110	2404	-.054	.090	.183	-.382	110	2948	-.054	.087	.276	-.337
110	2123	-.056	.091	.203	-.367	110	2405	-.057	.084	.218	-.333	120	2101	-.075	.085	.198	-.407
110	2124	-.051	.074	.189	-.342	110	2406	-.051	.083	.272	-.322	120	2102	-.079	.083	.212	-.360
110	2125	-.053	.082	.248	-.292	110	2901	-.052	.097	.288	-.387	120	2103	-.077	.080	.209	-.384
110	2126	-.072	.086	.225	-.377	110	2902	-.044	.085	.238	-.346	120	2104	-.082	.083	.181	-.358
110	2127	-.069	.078	.204	-.347	110	2903	-.014	.107	.369	-.373	120	2105	-.080	.092	.313	-.390
110	2128	-.070	.091	.182	-.398	110	2904	-.058	.092	.274	-.347	120	2106	-.078	.087	.196	-.390
110	2129	-.068	.088	.199	-.348	110	2905	-.059	.090	.231	-.352	120	2107	-.081	.082	.143	-.393
110	2130	-.054	.083	.273	-.322	110	2906	-.042	.083	.325	-.308	120	2108	-.081	.085	.216	-.404
110	2131	-.058	.084	.219	-.456	110	2907	-.079	.083	.197	-.362	120	2109	-.079	.083	.212	-.348
110	2132	-.054	.083	.251	-.326	110	2908	-.072	.089	.251	-.385	120	2110	-.078	.085	.193	-.424
110	2133	-.057	.085	.210	-.343	110	2909	-.066	.080	.182	-.370	120	2111	-.081	.087	.181	-.404
110	2134	-.085	.088	.231	-.344	110	2910	-.058	.093	.231	-.401	120	2112	-.085	.090	.224	-.509
110	2135	-.070	.083	.200	-.384	110	2911	-.064	.088	.231	-.338	120	2113	-.072	.086	.178	-.370
110	2136	-.063	.089	.222	-.351	110	2912	-.072	.083	.214	-.367	120	2114	-.071	.085	.193	-.367
110	2137	-.059	.087	.258	-.328	110	2913	-.068	.085	.227	-.457	120	2115	-.074	.081	.193	-.325
110	2138	-.056	.084	.276	-.332	110	2914	-.066	.076	.192	-.292	120	2116	-.074	.086	.235	-.460
110	2139	-.056	.089	.243	-.335	110	2915	-.069	.077	.184	-.339	120	2117	-.079	.080	.172	-.332
110	2140	-.052	.084	.227	-.314	110	2916	-.065	.083	.245	-.291	120	2118	-.082	.077	.221	-.311
110	2141	-.054	.089	.256	-.407	110	2917	-.058	.079	.230	-.307	120	2119	-.080	.083	.230	-.351
110	2142	-.057	.092	.294	-.444	110	2918	-.060	.087	.223	-.379	120	2120	-.082	.088	.165	-.414
110	2143	-.073	.082	.266	-.346	110	2919	-.067	.084	.234	-.320	120	2121	-.075	.082	.245	-.345
110	2144	-.064	.083	.260	-.376	110	2920	-.062	.082	.267	-.335	120	2122	-.081	.086	.185	-.355
110	2145	-.057	.083	.235	-.355	110	2921	-.066	.086	.223	-.342	120	2123	-.074	.089	.178	-.366
110	2146	-.056	.090	.244	-.362	110	2922	-.062	.081	.205	-.311	120	2124	-.077	.082	.185	-.334
110	2147	-.054	.084	.268	-.359	110	2923	-.075	.084	.195	-.385	120	2125	-.077	.086	.216	-.356
110	2148	-.054	.081	.189	-.355	110	2924	-.073	.087	.241	-.468	120	2126	-.084	.088	.160	-.372
110	2149	-.059	.084	.207	-.351	110	2925	-.067	.080	.252	-.321	120	2127	-.077	.086	.193	-.336
110	2201	-.064	.087	.260	-.330	110	2926	-.066	.082	.234	-.360	120	2128	-.076	.081	.188	-.381
110	2202	-.065	.083	.265	-.375	110	2927	-.069	.081	.213	-.342	120	2129	-.072	.083	.190	-.315
110	2203	-.067	.087	.211	-.336	110	2928	-.076	.087	.203	-.367	120	2130	-.076	.088	.227	-.439
110	2204	-.066	.081	.192	-.352	110	2929	-.065	.082	.268	-.359	120	2131	-.076	.090	.282	-.363
110	2205	-.067	.083	.206	-.371	110	2930	-.066	.079	.170	-.353	120	2132	-.076	.089	.219	-.353
110	2206	-.070	.088	.251	-.446	110	2931	-.073	.084	.171	-.420	120	2133	-.083	.090	.253	-.402
110	2207	-.018	.114	.595	-.432	110	2932	-.066	.091	.242	-.360	120	2134	-.086	.081	.193	-.409
110	2208	.010	.127	.597	-.379	110	2933	-.071	.079	.187	-.386	120	2135	-.074	.085	.219	-.397
110	2209	.004	.116	.554	-.336	110	2934	-.067	.095	.274	-.416	120	2136	-.075	.092	.298	-.391

APPENDIX A -- PRESSURE DATA : CONFIGURATION C : TAIKOO SHING CITYPLAZA, HONG KONG (MODIFIED MODEL)

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
120	2137	-.072	.088	.195	-.385	120	2913	-.076	.091	.254	-.380	130	2115	-.090	.086	.178	-.381
120	2138	-.074	.083	.200	-.372	120	2914	-.071	.084	.201	-.372	130	2116	-.087	.077	.163	-.402
120	2139	-.069	.086	.217	-.353	120	2915	-.076	.084	.211	-.362	130	2117	-.089	.080	.186	-.377
120	2140	-.071	.085	.234	-.375	120	2916	-.074	.075	.158	-.366	130	2118	-.092	.076	.198	-.372
120	2141	-.074	.087	.185	-.425	120	2917	-.072	.080	.180	-.362	130	2119	-.091	.077	.140	-.356
120	2142	-.082	.086	.213	-.401	120	2918	-.082	.089	.273	-.383	130	2120	-.095	.081	.229	-.362
120	2143	-.076	.090	.239	-.378	120	2919	-.077	.084	.181	-.377	130	2121	-.093	.079	.148	-.383
120	2144	-.070	.087	.169	-.388	120	2920	-.078	.079	.174	-.366	130	2122	-.099	.073	.152	-.322
120	2145	-.068	.085	.207	-.355	120	2921	-.075	.081	.193	-.332	130	2123	-.095	.080	.140	-.415
120	2146	-.074	.084	.206	-.341	120	2922	-.081	.082	.217	-.347	130	2124	-.098	.078	.141	-.390
120	2147	-.074	.088	.226	-.433	120	2923	-.077	.082	.170	-.415	130	2125	-.094	.082	.198	-.366
120	2148	-.075	.082	.189	-.350	120	2924	-.078	.082	.167	-.387	130	2126	-.093	.077	.197	-.360
120	2149	-.086	.079	.206	-.323	120	2925	-.079	.088	.224	-.371	130	2127	-.088	.082	.236	-.382
120	2201	-.072	.086	.181	-.376	120	2926	-.076	.085	.196	-.371	130	2128	-.090	.075	.171	-.352
120	2202	-.074	.080	.211	-.357	120	2927	-.076	.084	.205	-.371	130	2129	-.092	.087	.214	-.410
120	2203	-.073	.084	.202	-.338	120	2928	-.085	.079	.178	-.340	130	2130	-.094	.079	.154	-.359
120	2204	-.073	.081	.220	-.336	120	2929	-.081	.085	.186	-.440	130	2131	-.095	.078	.151	-.337
120	2205	-.073	.082	.187	-.402	120	2930	-.079	.081	.167	-.344	130	2132	-.090	.081	.185	-.383
120	2206	-.074	.084	.179	-.375	120	2931	-.085	.077	.215	-.316	130	2133	-.090	.088	.195	-.384
120	2207	-.011	.116	.525	-.333	120	2932	-.078	.082	.201	-.346	130	2134	-.087	.079	.170	-.364
120	2208	-.007	.111	.522	-.340	120	2933	-.081	.087	.167	-.411	130	2135	-.083	.081	.216	-.366
120	2209	.004	.121	.666	-.421	120	2934	-.073	.082	.242	-.347	130	2136	-.086	.085	.192	-.354
120	2210	.004	.115	.488	-.300	120	2935	-.082	.084	.193	-.337	130	2137	-.088	.088	.227	-.384
120	2211	.012	.103	.574	-.264	120	2936	-.077	.089	.184	-.363	130	2138	-.085	.084	.204	-.385
120	2212	.000	.117	.503	-.384	120	2937	-.077	.080	.180	-.338	130	2139	-.092	.084	.151	-.403
120	2213	.012	.101	.465	-.266	120	2938	-.084	.086	.205	-.381	130	2140	-.089	.088	.202	-.332
120	2214	.036	.117	.491	-.258	120	2939	-.091	.085	.150	-.377	130	2141	-.097	.077	.153	-.401
120	2215	.017	.119	.618	-.367	120	2940	-.090	.089	.223	-.375	130	2142	-.101	.088	.158	-.413
120	2216	-.021	.092	.303	-.382	120	2941	-.085	.081	.184	-.383	130	2143	-.079	.081	.192	-.388
120	2217	.028	.106	.414	-.276	120	2942	-.082	.082	.184	-.320	130	2144	-.079	.084	.186	-.371
120	2218	.002	.102	.422	-.289	120	2943	-.089	.085	.220	-.451	130	2145	-.088	.078	.231	-.375
120	2219	-.005	.101	.441	-.313	120	2944	-.074	.085	.196	-.359	130	2146	-.092	.089	.186	-.407
120	2401	-.076	.085	.183	-.357	120	2945	-.079	.087	.244	-.375	130	2147	-.090	.079	.169	-.413
120	2402	-.076	.087	.183	-.368	120	2946	-.077	.081	.169	-.363	130	2148	-.091	.082	.185	-.385
120	2403	-.070	.086	.200	-.314	120	2947	-.072	.082	.187	-.382	130	2149	-.110	.076	.136	-.379
120	2404	-.073	.083	.196	-.409	120	2948	-.079	.092	.263	-.395	130	2201	-.094	.086	.200	-.380
120	2405	-.073	.084	.196	-.310	130	2101	-.090	.080	.212	-.379	130	2202	-.088	.080	.170	-.355
120	2406	-.072	.087	.229	-.440	130	2102	-.090	.078	.198	-.358	130	2203	-.096	.082	.151	-.396
120	2901	-.064	.086	.207	-.304	130	2103	-.096	.079	.141	-.355	130	2204	-.086	.083	.200	-.345
120	2902	-.067	.092	.261	-.415	130	2104	-.101	.078	.173	-.357	130	2205	-.088	.074	.148	-.373
120	2903	-.019	.093	.456	-.327	130	2105	-.095	.083	.167	-.355	130	2206	-.089	.081	.129	-.340
120	2904	-.066	.086	.195	-.331	130	2106	-.096	.086	.216	-.349	130	2207	-.034	.097	.470	-.368
120	2905	-.061	.089	.199	-.343	130	2107	-.097	.082	.166	-.373	130	2208	-.020	.113	.544	-.430
120	2906	-.054	.082	.256	-.299	130	2108	-.106	.083	.140	-.413	130	2209	-.013	.117	.466	-.343
120	2907	-.088	.089	.179	-.372	130	2109	-.090	.086	.227	-.373	130	2210	-.008	.131	.643	-.363
120	2908	-.085	.091	.195	-.389	130	2110	-.099	.075	.146	-.377	130	2211	.002	.113	.498	-.318
120	2909	-.074	.088	.213	-.343	130	2111	-.102	.084	.157	-.377	130	2212	-.021	.117	.522	-.369
120	2910	-.073	.085	.206	-.394	130	2112	-.097	.082	.209	-.392	130	2213	.002	.105	.433	-.343
120	2911	-.083	.086	.199	-.374	130	2113	-.088	.082	.175	-.367	130	2214	.020	.112	.739	-.288
120	2912	-.081	.088	.251	-.441	130	2114	-.090	.077	.204	-.371	130	2215	.011	.108	.541	-.368

APPENDIX A -- PRESSURE DATA ; CONFIGURATION C : TAIKOO SHING CITYPLAZA, HONG KONG (MODIFIED MODEL)

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
130	2216	-.012	.096	.363	-.331	130	2941	-.091	.075	.167	-.360	140	2143	-.098	.095	.173	-.403
130	2217	.010	.096	.563	-.248	130	2942	-.093	.086	.199	-.399	140	2144	-.102	.094	.200	-.424
130	2218	.006	.103	.490	-.277	130	2943	-.101	.079	.165	-.371	140	2145	-.088	.091	.221	-.365
130	2219	.001	.107	.521	-.276	130	2944	-.095	.076	.191	-.351	140	2146	-.109	.086	.155	-.396
130	2401	-.091	.079	.175	-.338	130	2945	-.093	.083	.186	-.366	140	2147	-.099	.091	.210	-.416
130	2402	-.092	.077	.193	-.342	130	2946	-.096	.079	.200	-.357	140	2148	-.129	.098	.155	-.464
130	2403	-.087	.081	.222	-.359	130	2947	-.088	.079	.197	-.342	140	2149	-.093	.091	.237	-.332
130	2404	-.086	.073	.176	-.340	130	2948	-.091	.081	.193	-.358	140	2201	-.091	.106	.308	-.410
130	2405	-.088	.086	.198	-.392	140	2101	-.114	.090	.179	-.418	140	2202	-.105	.086	.172	-.443
130	2406	-.090	.078	.158	-.355	140	2102	-.117	.093	.262	-.422	140	2203	-.124	.086	.152	-.397
130	2901	-.052	.083	.213	-.384	140	2103	-.122	.085	.171	-.399	140	2204	-.103	.082	.177	-.397
130	2902	-.079	.084	.273	-.427	140	2104	-.116	.096	.277	-.430	140	2205	-.101	.076	.126	-.335
130	2903	-.063	.091	.339	-.407	140	2105	-.130	.090	.152	-.416	140	2206	-.099	.081	.160	-.343
130	2904	-.062	.078	.230	-.306	140	2106	-.092	.102	.253	-.399	140	2207	-.042	.113	.494	-.406
130	2905	-.076	.082	.195	-.374	140	2107	-.112	.084	.163	-.406	140	2208	-.046	.123	.499	-.501
130	2906	-.092	.085	.234	-.358	140	2108	-.130	.086	.168	-.419	140	2209	.003	.132	.625	-.337
130	2907	-.104	.083	.184	-.364	140	2109	-.114	.082	.171	-.429	140	2210	-.007	.124	.501	-.316
130	2908	-.099	.081	.213	-.380	140	2110	-.120	.079	.122	-.362	140	2211	-.001	.115	.601	-.305
130	2909	-.092	.082	.225	-.367	140	2111	-.135	.086	.128	-.413	140	2212	-.041	.140	.660	-.426
130	2910	-.098	.077	.161	-.364	140	2112	-.143	.097	.126	-.469	140	2213	.030	.114	.535	-.315
130	2911	-.108	.089	.175	-.429	140	2113	-.152	.099	.139	-.477	140	2214	.039	.122	.578	-.299
130	2912	-.108	.082	.158	-.429	140	2114	-.133	.099	.197	-.524	140	2215	.045	.132	.762	-.357
130	2913	-.102	.081	.196	-.337	140	2115	-.142	.095	.150	-.604	140	2216	-.018	.089	.347	-.309
130	2914	-.092	.076	.191	-.342	140	2116	-.146	.096	.176	-.452	140	2217	.039	.109	.576	-.271
130	2915	-.090	.079	.182	-.345	140	2117	-.187	.113	.118	-.654	140	2218	.014	.104	.491	-.366
130	2916	-.094	.072	.168	-.319	140	2118	-.076	.089	.232	-.365	140	2219	-.001	.107	.501	-.309
130	2917	-.096	.076	.160	-.371	140	2119	-.101	.084	.289	-.388	140	2401	-.117	.083	.153	-.390
130	2918	-.100	.079	.168	-.370	140	2120	-.100	.099	.282	-.484	140	2402	-.123	.083	.145	-.435
130	2919	-.096	.084	.182	-.371	140	2121	-.128	.078	.147	-.446	140	2403	-.109	.082	.154	-.401
130	2920	-.087	.081	.165	-.348	140	2122	-.108	.085	.165	-.459	140	2404	-.093	.078	.168	-.376
130	2921	-.095	.081	.133	-.392	140	2123	-.110	.083	.172	-.426	140	2405	-.096	.092	.212	-.386
130	2922	-.092	.083	.192	-.342	140	2124	-.107	.092	.223	-.402	140	2406	-.095	.079	.174	-.385
130	2923	-.096	.073	.145	-.377	140	2125	-.101	.082	.151	-.362	140	2901	-.010	.103	.343	-.362
130	2924	-.093	.082	.144	-.355	140	2126	-.099	.082	.165	-.376	140	2902	-.070	.115	.355	-.476
130	2925	-.085	.078	.193	-.354	140	2127	-.092	.084	.201	-.385	140	2903	-.030	.133	.520	-.436
130	2926	-.091	.082	.174	-.383	140	2128	-.104	.077	.173	-.391	140	2904	-.027	.093	.322	-.357
130	2927	-.102	.075	.185	-.359	140	2129	-.110	.092	.199	-.410	140	2905	-.062	.091	.250	-.400
130	2928	-.098	.084	.169	-.376	140	2130	-.100	.080	.177	-.396	140	2906	-.114	.113	.263	-.544
130	2929	-.094	.076	.154	-.397	140	2131	-.104	.088	.254	-.402	140	2907	-.119	.086	.202	-.422
130	2930	-.096	.080	.176	-.380	140	2132	-.106	.090	.188	-.394	140	2908	-.110	.087	.186	-.400
130	2931	-.095	.076	.168	-.363	140	2133	-.104	.099	.283	-.422	140	2909	-.081	.087	.201	-.366
130	2932	-.089	.076	.144	-.363	140	2134	-.097	.087	.227	-.378	140	2910	-.111	.084	.161	-.408
130	2933	-.096	.080	.218	-.341	140	2135	-.088	.097	.295	-.385	140	2911	-.126	.097	.205	-.443
130	2934	-.094	.079	.154	-.379	140	2136	-.107	.091	.172	-.406	140	2912	-.129	.082	.169	-.466
130	2935	-.098	.072	.155	-.331	140	2137	-.073	.106	.326	-.398	140	2913	-.121	.092	.206	-.480
130	2936	-.098	.078	.145	-.422	140	2138	-.091	.088	.219	-.432	140	2914	-.137	.089	.139	-.441
130	2937	-.091	.077	.147	-.353	140	2139	-.109	.087	.200	-.412	140	2915	-.135	.095	.238	-.449
130	2938	-.092	.082	.182	-.359	140	2140	-.097	.082	.182	-.385	140	2916	-.144	.081	.164	-.427
130	2939	-.096	.075	.193	-.347	140	2141	-.101	.082	.149	-.348	140	2917	-.093	.099	.322	-.478
130	2940	-.095	.080	.223	-.356	140	2142	-.106	.086	.160	-.377	140	2918	-.142	.090	.144	-.460

APPENDIX A -- PRESSURE DATA ; CONFIGURATION C : TAIKOO SHING CITYPLAZA, HONG KONG (MODIFIED MODEL)

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
140	2919	-.103	.101	.263	-.438	150	2121	-.142	.092	.180	-.504	150	2403	-.135	.090	.202	-.430
140	2920	-.129	.085	.128	-.427	150	2122	-.122	.084	.267	-.430	150	2404	-.135	.087	.216	-.394
140	2921	-.177	.099	.133	-.521	150	2123	-.128	.083	.226	-.404	150	2405	-.141	.091	.158	-.479
140	2922	-.129	.082	.148	-.552	150	2124	-.137	.102	.186	-.514	150	2406	-.121	.091	.131	-.401
140	2923	-.123	.078	.126	-.358	150	2125	-.140	.084	.182	-.414	150	2901	.004	.113	.414	-.471
140	2924	-.140	.086	.133	-.416	150	2126	-.113	.085	.167	-.445	150	2902	-.049	.113	.359	-.413
140	2925	-.145	.098	.121	-.519	150	2127	-.113	.088	.222	-.429	150	2903	.095	.149	.844	-.348
140	2926	-.128	.092	.143	-.442	150	2128	-.127	.083	.162	-.397	150	2904	-.028	.090	.337	-.355
140	2927	-.144	.093	.166	-.512	150	2129	-.126	.092	.159	-.446	150	2905	-.052	.090	.384	-.349
140	2928	-.147	.084	.129	-.401	150	2130	-.126	.092	.130	-.391	150	2906	-.034	.121	.419	-.519
140	2929	-.120	.088	.191	-.413	150	2131	-.132	.090	.140	-.518	150	2907	-.140	.089	.183	-.416
140	2930	-.151	.095	.137	-.424	150	2132	-.136	.091	.197	-.498	150	2908	-.121	.089	.159	-.500
140	2931	-.085	.087	.201	-.363	150	2133	-.140	.091	.169	-.452	150	2909	-.090	.090	.237	-.398
140	2932	-.112	.082	.264	-.401	150	2134	-.115	.094	.168	-.453	150	2910	-.122	.090	.228	-.379
140	2933	-.105	.099	.230	-.489	150	2135	-.102	.086	.160	-.400	150	2911	-.145	.097	.150	-.511
140	2934	-.126	.080	.159	-.432	150	2136	-.104	.077	.178	-.381	150	2912	-.149	.095	.130	-.453
140	2935	-.111	.085	.177	-.421	150	2137	-.108	.101	.301	-.442	150	2913	-.137	.096	.181	-.532
140	2936	-.117	.083	.159	-.420	150	2138	-.109	.089	.144	-.456	150	2914	-.133	.089	.174	-.459
140	2937	-.102	.089	.244	-.398	150	2139	-.102	.090	.162	-.435	150	2915	-.126	.089	.155	-.377
140	2938	-.103	.082	.147	-.347	150	2140	-.106	.089	.226	-.390	150	2916	-.136	.089	.126	-.473
140	2939	-.116	.081	.150	-.380	150	2141	-.116	.089	.159	-.442	150	2917	-.101	.093	.215	-.441
140	2940	-.104	.083	.165	-.401	150	2142	-.134	.089	.172	-.474	150	2918	-.148	.076	.113	-.418
140	2941	-.107	.077	.165	-.398	150	2143	-.107	.088	.213	-.427	150	2919	-.143	.097	.231	-.447
140	2942	-.113	.090	.183	-.410	150	2144	-.092	.086	.194	-.365	150	2920	-.159	.092	.122	-.500
140	2943	-.119	.079	.164	-.416	150	2145	-.097	.094	.195	-.455	150	2921	-.174	.099	.161	-.525
140	2944	-.121	.089	.134	-.428	150	2146	-.108	.086	.217	-.420	150	2922	-.138	.090	.193	-.441
140	2945	-.107	.096	.253	-.446	150	2147	-.106	.099	.259	-.427	150	2923	-.136	.087	.140	-.444
140	2946	-.115	.088	.202	-.436	150	2148	-.109	.092	.199	-.429	150	2924	-.158	.096	.117	-.517
140	2947	-.096	.096	.268	-.363	150	2149	-.116	.086	.211	-.398	150	2925	-.158	.099	.219	-.623
140	2948	-.122	.091	.142	-.388	150	2201	-.136	.102	.220	-.478	150	2926	-.127	.090	.178	-.406
150	2101	-.124	.090	.192	-.488	150	2202	-.137	.095	.147	-.487	150	2927	-.161	.095	.139	-.519
150	2102	-.125	.088	.166	-.397	150	2203	-.126	.091	.149	-.448	150	2928	-.149	.087	.136	-.594
150	2103	-.135	.094	.153	-.493	150	2204	-.123	.088	.233	-.437	150	2929	-.142	.100	.218	-.509
150	2104	-.134	.088	.137	-.427	150	2205	-.121	.086	.141	-.412	150	2930	-.141	.089	.161	-.441
150	2105	-.124	.077	.157	-.375	150	2206	-.126	.086	.169	-.494	150	2931	-.121	.084	.243	-.426
150	2106	-.130	.097	.247	-.434	150	2207	-.057	.106	.361	-.432	150	2932	-.123	.083	.180	-.406
150	2107	-.133	.086	.120	-.475	150	2208	-.051	.112	.391	-.414	150	2933	-.135	.090	.213	-.481
150	2108	-.131	.089	.153	-.430	150	2209	-.037	.150	.676	-.409	150	2934	-.145	.095	.205	-.479
150	2109	-.123	.089	.228	-.406	150	2210	-.026	.126	.532	-.472	150	2935	-.134	.090	.272	-.438
150	2110	-.131	.090	.153	-.447	150	2211	-.013	.122	.412	-.368	150	2936	-.117	.085	.213	-.385
150	2111	-.150	.092	.163	-.519	150	2212	-.019	.136	.650	-.394	150	2937	-.111	.101	.221	-.450
150	2112	-.157	.092	.136	-.538	150	2213	-.009	.121	.432	-.364	150	2938	-.140	.084	.177	-.427
150	2113	-.131	.091	.159	-.411	150	2214	.020	.132	.663	-.400	150	2939	-.128	.084	.137	-.497
150	2114	-.135	.104	.159	-.492	150	2215	.006	.121	.571	-.333	150	2940	-.144	.086	.178	-.466
150	2115	-.148	.101	.160	-.630	150	2216	-.040	.102	.422	-.523	150	2941	-.124	.082	.192	-.388
150	2116	-.156	.102	.196	-.514	150	2217	-.006	.106	.416	-.361	150	2942	-.123	.091	.158	-.443
150	2117	-.192	.125	.129	-.725	150	2218	-.011	.107	.608	-.376	150	2943	-.132	.091	.120	-.424
150	2118	-.111	.085	.255	-.410	150	2219	-.025	.117	.492	-.430	150	2944	-.137	.091	.206	-.549
150	2119	-.112	.086	.177	-.401	150	2401	-.143	.090	.173	-.439	150	2945	-.133	.098	.161	-.483
150	2120	-.130	.092	.238	-.447	150	2402	-.146	.087	.112	-.475	150	2946	-.134	.096	.179	-.465

APPENDIX A -- PRESSURE DATA ; CONFIGURATION C : TAIKOO SHING CITYPLAZA, HONG KONG (MODIFIED MODEL)

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
150	2947	-.136	.087	.120	-.433	160	2149	-.128	.083	.142	-.461	160	2925	-.131	.092	.152	-.471
150	2948	-.141	.076	.162	-.432	160	2201	-.125	.092	.176	-.433	160	2926	-.122	.087	.207	-.452
160	2101	-.112	.087	.228	-.386	160	2202	-.132	.095	.193	-.464	160	2927	-.163	.086	.117	-.444
160	2102	-.126	.081	.115	-.469	160	2203	-.120	.086	.120	-.420	160	2928	-.156	.083	.126	-.482
160	2103	-.128	.087	.153	-.450	160	2204	-.124	.088	.151	-.433	160	2929	-.138	.093	.161	-.511
160	2104	-.142	.092	.228	-.456	160	2205	-.117	.082	.151	-.367	160	2930	-.130	.081	.162	-.408
160	2105	-.123	.084	.153	-.461	160	2206	-.122	.087	.144	-.396	160	2931	-.113	.080	.132	-.426
160	2106	-.124	.088	.158	-.422	160	2207	-.055	.091	.281	-.417	160	2932	-.121	.086	.162	-.412
160	2107	-.134	.092	.172	-.414	160	2208	-.039	.101	.373	-.645	160	2933	-.130	.087	.126	-.418
160	2108	-.132	.085	.141	-.397	160	2209	-.029	.121	.708	-.415	160	2934	-.128	.090	.110	-.466
160	2109	-.122	.090	.199	-.463	160	2210	.003	.123	.544	-.363	160	2935	-.118	.087	.164	-.388
160	2110	-.147	.084	.125	-.416	160	2211	-.009	.106	.482	-.340	160	2936	-.122	.089	.152	-.427
160	2111	-.154	.088	.125	-.484	160	2212	-.024	.115	.624	-.408	160	2937	-.109	.083	.194	-.396
160	2112	-.148	.083	.125	-.421	160	2213	-.016	.097	.373	-.304	160	2938	-.136	.082	.119	-.379
160	2113	-.119	.091	.209	-.379	160	2214	.017	.105	.594	-.315	160	2939	-.123	.088	.209	-.401
160	2114	-.127	.090	.169	-.472	160	2215	.012	.113	.590	-.336	160	2940	-.146	.080	.095	-.498
160	2115	-.127	.086	.111	-.488	160	2216	-.045	.091	.221	-.405	160	2941	-.123	.087	.143	-.501
160	2116	-.131	.100	.173	-.479	160	2217	.009	.101	.377	-.417	160	2942	-.115	.087	.168	-.449
160	2117	-.157	.119	.195	-.727	160	2218	.012	.104	.401	-.308	160	2943	-.128	.088	.155	-.380
160	2118	-.098	.082	.155	-.426	160	2219	-.008	.095	.516	-.364	160	2944	-.136	.091	.200	-.457
160	2119	-.109	.087	.173	-.371	160	2401	-.125	.089	.167	-.423	160	2945	-.137	.087	.144	-.455
160	2120	-.134	.089	.140	-.405	160	2402	-.128	.088	.172	-.400	160	2946	-.136	.087	.148	-.499
160	2121	-.139	.090	.108	-.495	160	2403	-.126	.084	.139	-.453	160	2947	-.141	.087	.205	-.473
160	2122	-.113	.087	.179	-.383	160	2404	-.133	.089	.156	-.452	160	2948	-.138	.083	.157	-.477
160	2123	-.127	.088	.161	-.436	160	2405	-.131	.088	.147	-.463	170	2101	-.113	.092	.171	-.441
160	2124	-.134	.084	.190	-.407	160	2406	-.121	.087	.175	-.349	170	2102	-.122	.082	.154	-.530
160	2125	-.136	.082	.125	-.389	160	2901	-.051	.116	.443	-.437	170	2103	-.128	.094	.209	-.446
160	2126	-.103	.086	.194	-.374	160	2902	-.073	.109	.457	-.506	170	2104	-.142	.086	.103	-.433
160	2127	-.111	.081	.151	-.412	160	2903	.028	.124	.508	-.324	170	2105	-.122	.097	.227	-.414
160	2128	-.124	.087	.157	-.425	160	2904	-.085	.096	.249	-.535	170	2106	-.127	.080	.165	-.378
160	2129	-.117	.089	.169	-.462	160	2905	-.092	.096	.234	-.401	170	2107	-.134	.085	.156	-.404
160	2130	-.125	.086	.172	-.346	160	2906	-.022	.097	.414	-.344	170	2108	-.143	.092	.122	-.430
160	2131	-.133	.080	.146	-.421	160	2907	-.141	.088	.112	-.471	170	2109	-.128	.087	.153	-.416
160	2132	-.143	.089	.210	-.433	160	2908	-.129	.093	.208	-.437	170	2110	-.140	.090	.138	-.459
160	2133	-.148	.085	.122	-.408	160	2909	-.123	.087	.143	-.446	170	2111	-.161	.088	.119	-.508
160	2134	-.107	.085	.195	-.463	160	2910	-.117	.092	.176	-.469	170	2112	-.150	.088	.165	-.467
160	2135	-.102	.088	.271	-.435	160	2911	-.137	.090	.147	-.451	170	2113	-.119	.092	.213	-.483
160	2136	-.101	.085	.211	-.444	160	2912	-.160	.090	.144	-.409	170	2114	-.118	.095	.227	-.475
160	2137	-.102	.090	.213	-.411	160	2913	-.128	.087	.192	-.469	170	2115	-.120	.092	.176	-.472
160	2138	-.105	.092	.201	-.398	160	2914	-.128	.089	.220	-.482	170	2116	-.124	.086	.157	-.407
160	2139	-.102	.086	.162	-.386	160	2915	-.129	.085	.127	-.380	170	2117	-.133	.094	.131	-.580
160	2140	-.106	.091	.213	-.403	160	2916	-.131	.082	.140	-.439	170	2118	-.097	.087	.171	-.423
160	2141	-.122	.084	.137	-.404	160	2917	-.122	.090	.197	-.637	170	2119	-.105	.089	.180	-.419
160	2142	-.139	.090	.155	-.436	160	2918	-.139	.085	.152	-.478	170	2120	-.130	.083	.176	-.425
160	2143	-.095	.083	.193	-.386	160	2919	-.133	.088	.167	-.434	170	2121	-.141	.091	.157	-.472
160	2144	-.093	.088	.234	-.369	160	2920	-.134	.098	.148	-.458	170	2122	-.135	.088	.176	-.431
160	2145	-.102	.082	.175	-.400	160	2921	-.138	.093	.145	-.565	170	2123	-.147	.084	.139	-.421
160	2146	-.114	.083	.151	-.409	160	2922	-.125	.089	.168	-.463	170	2124	-.154	.090	.190	-.478
160	2147	-.105	.091	.151	-.469	160	2923	-.118	.083	.145	-.410	170	2125	-.156	.087	.157	-.418
160	2148	-.112	.086	.161	-.391	160	2924	-.136	.094	.154	-.514	170	2126	-.107	.088	.214	-.416

APPENDIX A -- PRESSURE DATA ; CONFIGURATION C : TAIKOO SHING CITYPLAZA, HONG KONG (MODIFIED MODEL)

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
170	2127	-.109	.090	.184	-.485	170	2903	-.063	.107	.383	-.472	180	2105	-.128	.079	.151	-.412
170	2128	-.120	.085	.161	-.399	170	2904	-.104	.099	.399	-.490	180	2106	-.135	.088	.151	-.460
170	2129	-.121	.087	.213	-.441	170	2905	-.113	.089	.177	-.489	180	2107	-.140	.078	.090	-.446
170	2130	-.146	.078	.139	-.421	170	2906	-.095	.098	.197	-.476	180	2108	-.136	.087	.182	-.488
170	2131	-.156	.083	.142	-.455	170	2907	-.145	.092	.200	-.446	180	2109	-.127	.093	.166	-.388
170	2132	-.165	.092	.137	-.494	170	2908	-.133	.094	.171	-.456	180	2110	-.144	.090	.135	-.418
170	2133	-.165	.089	.157	-.527	170	2909	-.129	.090	.133	-.476	180	2111	-.159	.087	.111	-.522
170	2134	-.112	.094	.197	-.380	170	2910	-.138	.090	.193	-.449	180	2112	-.158	.092	.192	-.489
170	2135	-.109	.084	.129	-.427	170	2911	-.155	.093	.170	-.498	180	2113	-.101	.084	.192	-.376
170	2136	-.108	.098	.238	-.421	170	2912	-.154	.081	.153	-.490	180	2114	-.100	.092	.179	-.404
170	2137	-.106	.083	.200	-.379	170	2913	-.134	.087	.175	-.476	180	2115	-.105	.081	.181	-.400
170	2138	-.112	.088	.197	-.434	170	2914	-.128	.093	.165	-.591	180	2116	-.103	.085	.189	-.462
170	2139	-.119	.092	.178	-.445	170	2915	-.120	.082	.154	-.457	180	2117	-.110	.086	.241	-.385
170	2140	-.131	.087	.141	-.421	170	2916	-.134	.088	.157	-.423	180	2118	-.110	.089	.177	-.396
170	2141	-.144	.090	.134	-.457	170	2917	-.142	.081	.122	-.442	180	2119	-.116	.080	.123	-.395
170	2142	-.163	.089	.120	-.586	170	2918	-.164	.096	.177	-.477	180	2120	-.123	.090	.201	-.425
170	2143	-.103	.087	.212	-.439	170	2919	-.129	.079	.148	-.391	180	2121	-.128	.088	.157	-.389
170	2144	-.098	.086	.227	-.363	170	2920	-.117	.083	.165	-.409	180	2122	-.129	.080	.127	-.385
170	2145	-.103	.093	.203	-.460	170	2921	-.123	.091	.145	-.429	180	2123	-.133	.094	.223	-.474
170	2146	-.118	.091	.178	-.417	170	2922	-.140	.083	.188	-.439	180	2124	-.144	.086	.161	-.462
170	2147	-.120	.085	.166	-.395	170	2923	-.117	.087	.168	-.440	180	2125	-.140	.081	.116	-.483
170	2148	-.126	.089	.156	-.414	170	2924	-.126	.085	.131	-.505	180	2126	-.120	.083	.128	-.431
170	2149	-.146	.089	.144	-.464	170	2925	-.139	.087	.140	-.440	180	2127	-.120	.076	.131	-.368
170	2201	-.137	.082	.157	-.422	170	2926	-.136	.088	.181	-.423	180	2128	-.119	.083	.206	-.442
170	2202	-.141	.087	.182	-.473	170	2927	-.160	.098	.177	-.482	180	2129	-.114	.085	.153	-.403
170	2203	-.137	.090	.148	-.432	170	2928	-.154	.091	.142	-.462	180	2130	-.133	.085	.167	-.442
170	2204	-.131	.089	.161	-.410	170	2929	-.156	.083	.104	-.482	180	2131	-.141	.081	.130	-.410
170	2205	-.120	.086	.168	-.416	170	2930	-.144	.084	.137	-.410	180	2132	-.149	.086	.179	-.452
170	2206	-.121	.084	.143	-.504	170	2931	-.117	.084	.161	-.424	180	2133	-.136	.092	.144	-.567
170	2207	-.040	.108	.347	-.457	170	2932	-.117	.086	.151	-.426	180	2134	-.118	.085	.137	-.414
170	2208	.001	.115	.361	-.526	170	2933	-.128	.080	.147	-.404	180	2135	-.115	.089	.164	-.421
170	2209	.050	.161	.733	-.770	170	2934	-.136	.091	.151	-.469	180	2136	-.101	.081	.161	-.419
170	2210	.084	.158	.653	-.378	170	2935	-.135	.087	.196	-.413	180	2137	-.098	.089	.221	-.418
170	2211	.081	.119	.475	-.318	170	2936	-.143	.084	.137	-.424	180	2138	-.105	.080	.145	-.415
170	2212	.068	.140	.564	-.352	170	2937	-.135	.089	.223	-.410	180	2139	-.109	.087	.156	-.459
170	2213	.032	.118	.602	-.366	170	2938	-.156	.086	.163	-.424	180	2140	-.115	.092	.180	-.396
170	2214	.066	.123	.557	-.293	170	2939	-.124	.089	.197	-.431	180	2141	-.132	.088	.140	-.410
170	2215	.108	.136	.669	-.327	170	2940	-.157	.088	.120	-.466	180	2142	-.147	.088	.130	-.444
170	2216	-.029	.108	.366	-.414	170	2941	-.118	.087	.170	-.396	180	2143	-.117	.090	.257	-.399
170	2217	.056	.118	.543	-.232	170	2942	-.123	.086	.229	-.414	180	2144	-.101	.085	.180	-.384
170	2218	.074	.117	.516	-.391	170	2943	-.137	.078	.137	-.391	180	2145	-.094	.090	.171	-.350
170	2219	.051	.113	.599	-.259	170	2944	-.147	.091	.136	-.440	180	2146	-.103	.082	.174	-.363
170	2401	-.124	.090	.240	-.419	170	2945	-.151	.088	.173	-.482	180	2147	-.111	.086	.220	-.423
170	2402	-.124	.089	.179	-.478	170	2946	-.159	.093	.147	-.457	180	2148	-.112	.085	.195	-.377
170	2403	-.117	.088	.178	-.464	170	2947	-.159	.083	.105	-.451	180	2149	-.128	.088	.125	-.395
170	2404	-.146	.092	.137	-.566	170	2948	-.161	.096	.158	-.474	180	2201	-.124	.089	.176	-.458
170	2405	-.150	.088	.191	-.564	180	2101	-.130	.089	.189	-.505	180	2202	-.128	.079	.102	-.425
170	2406	-.139	.079	.147	-.410	180	2102	-.125	.088	.146	-.536	180	2203	-.118	.086	.219	-.476
170	2901	-.054	.112	.348	-.424	180	2103	-.145	.087	.115	-.686	180	2204	-.127	.092	.133	-.441
170	2902	-.105	.096	.289	-.553	180	2104	-.147	.091	.134	-.585	180	2205	-.118	.083	.124	-.369

APPENDIX A -- PRESSURE DATA : CONFIGURATION C : TAIKOO SHING CITYPLAZA, HONG KONG (MODIFIED MODEL)

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
180	2206	-.123	.087	.160	-.448	180	2931	-.119	.086	.137	-.403	190	2133	-.127	.091	.199	-.546
180	2207	-.085	.121	.351	-.753	180	2932	-.115	.079	.134	-.390	190	2134	-.126	.092	.137	-.452
180	2208	-.058	.111	.367	-.822	180	2933	-.116	.088	.217	-.427	190	2135	-.115	.089	.161	-.424
180	2209	-.035	.141	.516	-1.066	180	2934	-.119	.085	.164	-.384	190	2136	-.103	.088	.185	-.389
180	2210	.001	.138	.585	-.555	180	2935	-.121	.079	.137	-.374	190	2137	-.097	.088	.167	-.369
180	2211	.016	.116	.529	-.340	180	2936	-.124	.092	.219	-.468	190	2138	-.093	.092	.214	-.390
180	2212	.016	.129	.498	-.377	180	2937	-.128	.084	.186	-.438	190	2139	-.112	.088	.169	-.427
180	2213	-.042	.116	.369	-.476	180	2938	-.136	.080	.122	-.482	190	2140	-.121	.091	.210	-.413
180	2214	-.013	.117	.528	-.504	180	2939	-.122	.081	.122	-.407	190	2141	-.132	.091	.202	-.429
180	2215	.002	.127	.602	-.588	180	2940	-.139	.073	.093	-.364	190	2142	-.133	.087	.198	-.398
180	2216	-.065	.103	.366	-.627	180	2941	-.118	.082	.179	-.439	190	2143	-.114	.085	.153	-.462
180	2217	-.022	.100	.364	-.551	180	2942	-.124	.085	.145	-.446	190	2144	-.104	.092	.186	-.436
180	2218	.003	.116	.492	-.392	180	2943	-.132	.087	.198	-.536	190	2145	-.096	.089	.199	-.400
180	2219	.008	.106	.416	-.355	180	2944	-.135	.086	.167	-.434	190	2146	-.099	.091	.155	-.391
180	2401	-.112	.087	.195	-.467	180	2945	-.136	.091	.148	-.532	190	2147	-.109	.083	.175	-.372
180	2402	-.120	.085	.135	-.395	180	2946	-.144	.081	.098	-.416	190	2148	-.119	.088	.158	-.446
180	2403	-.111	.078	.160	-.376	180	2947	-.145	.084	.090	-.426	190	2149	-.123	.077	.126	-.365
180	2404	-.144	.086	.156	-.417	180	2948	-.142	.079	.143	-.421	190	2201	-.125	.088	.166	-.387
180	2405	-.142	.085	.115	-.435	190	2101	-.130	.091	.174	-.494	190	2202	-.120	.090	.193	-.393
180	2406	-.134	.085	.171	-.442	190	2102	-.138	.088	.134	-.448	190	2203	-.124	.085	.144	-.393
180	2901	-.048	.104	.407	-.355	190	2103	-.147	.093	.177	-.470	190	2204	-.131	.089	.166	-.442
180	2902	-.118	.110	.242	-.491	190	2104	-.154	.093	.188	-.465	190	2205	-.118	.090	.176	-.417
180	2903	-.080	.106	.349	-.440	190	2105	-.133	.088	.148	-.426	190	2206	-.125	.086	.201	-.438
180	2904	-.094	.097	.208	-.620	190	2106	-.132	.090	.150	-.416	190	2207	-.078	.111	.258	-.720
180	2905	-.116	.096	.220	-.490	190	2107	-.146	.091	.166	-.433	190	2208	-.066	.117	.370	-.562
180	2906	-.100	.093	.212	-.402	190	2108	-.142	.089	.143	-.431	190	2209	-.069	.126	.468	-.734
180	2907	-.165	.091	.165	-.508	190	2109	-.129	.090	.189	-.419	190	2210	-.060	.141	.509	-.713
180	2908	-.146	.090	.142	-.429	190	2110	-.150	.091	.173	-.445	190	2211	-.049	.102	.371	-.338
180	2909	-.138	.076	.119	-.378	190	2111	-.163	.084	.127	-.446	190	2212	-.033	.131	.441	-.544
180	2910	-.143	.088	.146	-.457	190	2112	-.154	.086	.095	-.469	190	2213	-.045	.106	.289	-.527
180	2911	-.161	.088	.100	-.471	190	2113	-.097	.091	.182	-.410	190	2214	-.036	.117	.462	-.602
180	2912	-.162	.091	.170	-.540	190	2114	-.100	.089	.175	-.420	190	2215	-.023	.120	.525	-.618
180	2913	-.125	.085	.163	-.446	190	2115	-.103	.091	.177	-.413	190	2216	-.062	.091	.262	-.505
180	2914	-.116	.083	.192	-.401	190	2116	-.101	.085	.199	-.392	190	2217	-.032	.108	.342	-.593
180	2915	-.105	.086	.149	-.509	190	2117	-.115	.087	.153	-.412	190	2218	-.019	.111	.460	-.508
180	2916	-.127	.078	.135	-.364	190	2118	-.111	.078	.153	-.366	190	2219	-.022	.110	.543	-.383
180	2917	-.145	.087	.132	-.417	190	2119	-.113	.087	.178	-.412	190	2401	-.116	.089	.184	-.558
180	2918	-.160	.081	.120	-.449	190	2120	-.119	.097	.228	-.428	190	2402	-.118	.088	.183	-.415
180	2919	-.122	.086	.183	-.420	190	2121	-.126	.086	.180	-.487	190	2403	-.108	.083	.162	-.385
180	2920	-.106	.077	.149	-.384	190	2122	-.130	.089	.207	-.430	190	2404	-.134	.088	.164	-.432
180	2921	-.107	.084	.189	-.469	190	2123	-.132	.083	.182	-.401	190	2405	-.133	.088	.109	-.450
180	2922	-.127	.090	.152	-.431	190	2124	-.135	.084	.136	-.396	190	2406	-.122	.084	.133	-.413
180	2923	-.112	.089	.137	-.420	190	2125	-.130	.085	.163	-.458	190	2901	-.049	.111	.401	-.408
180	2924	-.113	.085	.175	-.424	190	2126	-.117	.086	.200	-.430	190	2902	-.105	.114	.316	-.533
180	2925	-.115	.086	.240	-.377	190	2127	-.121	.081	.109	-.357	190	2903	-.059	.106	.373	-.521
180	2926	-.122	.083	.159	-.398	190	2128	-.119	.083	.196	-.427	190	2904	-.100	.104	.354	-.483
180	2927	-.138	.088	.122	-.417	190	2129	-.115	.090	.152	-.433	190	2905	-.107	.090	.205	-.521
180	2928	-.153	.084	.139	-.485	190	2130	-.125	.085	.139	-.413	190	2906	-.089	.097	.255	-.421
180	2929	-.159	.087	.176	-.510	190	2131	-.133	.086	.135	-.416	190	2907	-.166	.093	.143	-.538
180	2930	-.137	.083	.162	-.404	190	2132	-.132	.080	.144	-.404	190	2908	-.144	.093	.179	-.487

APPENDIX A -- PRESSURE DATA ; CONFIGURATION C : TAIKOO SHING CITYPLAZA, HONG KONG (MODIFIED MODEL)

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
190	2909	-.131	.082	.124	-.390	200	2111	-.138	.087	.120	-.432	200	2212	-.090	.096	.305	-.442
190	2910	-.138	.088	.183	-.462	200	2112	-.152	.089	.092	-.475	200	2213	-.055	.087	.350	-.332
190	2911	-.162	.093	.127	-.467	200	2113	-.100	.086	.175	-.396	200	2214	-.057	.090	.359	-.353
190	2912	-.152	.090	.131	-.583	200	2114	-.093	.095	.179	-.415	200	2215	-.057	.099	.259	-.583
190	2913	-.123	.094	.217	-.441	200	2115	-.103	.082	.249	-.385	200	2216	-.064	.082	.204	-.302
190	2914	-.117	.082	.168	-.466	200	2116	-.102	.087	.160	-.392	200	2217	-.053	.087	.269	-.349
190	2915	-.103	.086	.208	-.490	200	2117	-.092	.083	.189	-.432	200	2218	-.051	.101	.313	-.346
190	2916	-.128	.093	.121	-.419	200	2118	-.112	.075	.165	-.378	200	2219	-.047	.090	.270	-.326
190	2917	-.145	.091	.155	-.469	200	2119	-.115	.081	.162	-.365	200	2401	-.103	.085	.185	-.660
190	2918	-.163	.089	.133	-.509	200	2120	-.114	.091	.194	-.402	200	2402	-.107	.093	.174	-.450
190	2919	-.123	.087	.131	-.384	200	2121	-.111	.083	.192	-.396	200	2403	-.098	.094	.197	-.454
190	2920	-.103	.087	.199	-.388	200	2122	-.106	.082	.156	-.371	200	2404	-.109	.078	.120	-.354
190	2921	-.110	.083	.174	-.384	200	2123	-.111	.085	.175	-.374	200	2405	-.106	.085	.211	-.380
190	2922	-.132	.089	.175	-.397	200	2124	-.106	.076	.192	-.360	200	2406	-.101	.082	.139	-.362
190	2923	-.113	.092	.206	-.422	200	2125	-.105	.077	.113	-.368	200	2901	-.016	.104	.410	-.301
190	2924	-.110	.084	.202	-.384	200	2126	-.112	.090	.177	-.371	200	2902	-.086	.100	.268	-.569
190	2925	-.115	.080	.142	-.415	200	2127	-.103	.092	.193	-.442	200	2903	-.061	.101	.402	-.378
190	2926	-.121	.088	.171	-.426	200	2128	-.105	.078	.129	-.383	200	2904	-.060	.093	.316	-.424
190	2927	-.143	.089	.108	-.434	200	2129	-.100	.089	.234	-.396	200	2905	-.097	.090	.197	-.403
190	2928	-.155	.096	.186	-.457	200	2130	-.102	.082	.148	-.357	200	2906	-.082	.085	.222	-.372
190	2929	-.151	.085	.240	-.537	200	2131	-.107	.078	.146	-.420	200	2907	-.146	.085	.122	-.494
190	2930	-.144	.086	.121	-.456	200	2132	-.111	.095	.192	-.520	200	2908	-.127	.093	.200	-.428
190	2931	-.121	.077	.130	-.366	200	2133	-.107	.087	.200	-.436	200	2909	-.106	.095	.171	-.485
190	2932	-.114	.085	.159	-.424	200	2134	-.126	.087	.182	-.477	200	2910	-.105	.081	.140	-.387
190	2933	-.113	.096	.246	-.462	200	2135	-.115	.083	.145	-.412	200	2911	-.111	.089	.219	-.396
190	2934	-.121	.085	.153	-.437	200	2136	-.104	.081	.140	-.352	200	2912	-.141	.090	.132	-.481
190	2935	-.124	.088	.224	-.448	200	2137	-.093	.088	.168	-.389	200	2913	-.115	.086	.184	-.415
190	2936	-.129	.083	.174	-.388	200	2138	-.089	.085	.235	-.393	200	2914	-.106	.094	.205	-.505
190	2937	-.121	.084	.162	-.413	200	2139	-.090	.086	.194	-.385	200	2915	-.099	.081	.194	-.420
190	2938	-.134	.084	.158	-.444	200	2140	-.090	.086	.192	-.371	200	2916	-.109	.080	.173	-.423
190	2939	-.120	.085	.194	-.426	200	2141	-.099	.082	.180	-.428	200	2917	-.117	.080	.112	-.509
190	2940	-.132	.080	.112	-.399	200	2142	-.100	.087	.157	-.401	200	2918	-.120	.079	.114	-.347
190	2941	-.120	.083	.202	-.419	200	2143	-.111	.084	.134	-.415	200	2919	-.121	.087	.133	-.392
190	2942	-.124	.089	.143	-.435	200	2144	-.100	.087	.159	-.363	200	2920	-.104	.086	.167	-.388
190	2943	-.130	.086	.172	-.418	200	2145	-.091	.092	.169	-.404	200	2921	-.100	.085	.180	-.398
190	2944	-.136	.082	.154	-.401	200	2146	-.095	.084	.281	-.375	200	2922	-.107	.084	.144	-.362
190	2945	-.136	.092	.175	-.527	200	2147	-.092	.085	.182	-.389	200	2923	-.107	.082	.194	-.383
190	2946	-.138	.086	.147	-.453	200	2148	-.092	.082	.185	-.351	200	2924	-.117	.087	.151	-.449
190	2947	-.138	.086	.133	-.440	200	2149	-.093	.076	.167	-.345	200	2925	-.110	.084	.173	-.401
190	2948	-.130	.085	.164	-.405	200	2201	-.101	.087	.160	-.367	200	2926	-.107	.083	.147	-.399
200	2101	-.128	.103	.172	-.543	200	2202	-.106	.083	.154	-.399	200	2927	-.122	.093	.138	-.438
200	2102	-.133	.087	.146	-.489	200	2203	-.101	.085	.184	-.406	200	2928	-.134	.086	.241	-.487
200	2103	-.157	.097	.182	-.534	200	2204	-.109	.084	.191	-.426	200	2929	-.119	.083	.123	-.394
200	2104	-.163	.091	.125	-.522	200	2205	-.105	.082	.178	-.403	200	2930	-.118	.081	.165	-.405
200	2105	-.125	.084	.131	-.498	200	2206	-.111	.086	.150	-.524	200	2931	-.111	.075	.167	-.403
200	2106	-.133	.092	.145	-.451	200	2207	-.072	.103	.255	-.574	200	2932	-.104	.080	.183	-.354
200	2107	-.138	.088	.175	-.476	200	2208	-.069	.102	.410	-.528	200	2933	-.110	.090	.198	-.388
200	2108	-.145	.092	.158	-.446	200	2209	-.099	.120	.395	-.850	200	2934	-.110	.081	.207	-.387
200	2109	-.120	.088	.173	-.392	200	2210	-.098	.108	.401	-.740	200	2935	-.107	.082	.161	-.394
200	2110	-.131	.085	.139	-.442	200	2211	-.094	.085	.331	-.343	200	2936	-.110	.084	.166	-.374

APPENDIX A -- PRESSURE DATA : CONFIGURATION C : TAIKOO SHING CITYPLAZA, HONG KONG (MODIFIED MODEL)

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
200	2937	-.099	.075	.177	-.351	210	2139	-.076	.093	.315	-.456	210	2915	-.085	.078	.193	-.340
200	2938	-.108	.076	.107	-.361	210	2140	-.080	.084	.189	-.374	210	2916	-.088	.074	.160	-.401
200	2939	-.116	.088	.165	-.367	210	2141	-.084	.085	.151	-.390	210	2917	-.094	.082	.203	-.354
200	2940	-.107	.090	.165	-.431	210	2142	-.095	.084	.181	-.365	210	2918	-.095	.085	.190	-.348
200	2941	-.109	.078	.134	-.378	210	2143	-.087	.084	.168	-.389	210	2919	-.095	.078	.140	-.448
200	2942	-.107	.088	.206	-.394	210	2144	-.081	.084	.172	-.394	210	2920	-.081	.080	.161	-.360
200	2943	-.112	.083	.172	-.389	210	2145	-.077	.091	.236	-.361	210	2921	-.081	.089	.305	-.434
200	2944	-.117	.098	.194	-.542	210	2146	-.082	.084	.241	-.382	210	2922	-.089	.080	.177	-.369
200	2945	-.115	.085	.170	-.451	210	2147	-.078	.088	.231	-.378	210	2923	-.085	.083	.152	-.404
200	2946	-.113	.083	.139	-.440	210	2148	-.084	.083	.328	-.389	210	2924	-.089	.082	.196	-.328
200	2947	-.112	.080	.117	-.404	210	2149	-.090	.088	.217	-.358	210	2925	-.086	.082	.177	-.376
200	2948	-.106	.077	.139	-.341	210	2201	-.094	.078	.133	-.460	210	2926	-.086	.081	.152	-.370
210	2101	-.102	.088	.182	-.527	210	2202	-.092	.080	.169	-.367	210	2927	-.096	.090	.214	-.391
210	2102	-.110	.085	.207	-.436	210	2203	-.087	.090	.306	-.437	210	2928	-.099	.082	.203	-.383
210	2103	-.113	.092	.195	-.483	210	2204	-.092	.082	.158	-.395	210	2929	-.090	.085	.184	-.380
210	2104	-.112	.089	.186	-.486	210	2205	-.087	.084	.138	-.389	210	2930	-.094	.080	.303	-.398
210	2105	-.096	.090	.183	-.416	210	2206	-.092	.081	.162	-.330	210	2931	-.087	.087	.216	-.347
210	2106	-.102	.086	.200	-.510	210	2207	-.065	.094	.255	-.640	210	2932	-.081	.083	.172	-.337
210	2107	-.104	.086	.147	-.513	210	2208	-.068	.095	.322	-.522	210	2933	-.083	.081	.214	-.348
210	2108	-.107	.095	.336	-.493	210	2209	-.090	.117	.373	-1.767	210	2934	-.085	.088	.249	-.394
210	2109	-.090	.084	.172	-.398	210	2210	-.091	.094	.248	-.616	210	2935	-.084	.084	.261	-.349
210	2110	-.101	.086	.151	-.378	210	2211	-.093	.085	.176	-.527	210	2936	-.085	.086	.157	-.459
210	2111	-.107	.085	.190	-.369	210	2212	-.093	.094	.355	-.648	210	2937	-.079	.082	.170	-.327
210	2112	-.109	.084	.153	-.398	210	2213	-.058	.093	.300	-.398	210	2938	-.090	.085	.196	-.349
210	2113	-.077	.082	.172	-.367	210	2214	-.058	.092	.292	-.349	210	2939	-.089	.075	.168	-.360
210	2114	-.082	.091	.211	-.363	210	2215	-.058	.087	.207	-.339	210	2940	-.093	.081	.199	-.324
210	2115	-.088	.085	.224	-.383	210	2216	-.068	.091	.253	-.370	210	2941	-.084	.078	.190	-.394
210	2116	-.079	.087	.238	-.361	210	2217	-.051	.089	.274	-.351	210	2942	-.089	.083	.261	-.345
210	2117	-.086	.080	.303	-.375	210	2218	-.057	.094	.250	-.422	210	2943	-.089	.082	.152	-.338
210	2118	-.090	.088	.204	-.350	210	2219	-.061	.088	.280	-.365	210	2944	-.091	.082	.166	-.389
210	2119	-.085	.086	.180	-.355	210	2401	-.083	.088	.206	-.344	210	2945	-.096	.081	.170	-.402
210	2120	-.087	.082	.201	-.377	210	2402	-.091	.077	.171	-.427	210	2946	-.095	.078	.172	-.417
210	2121	-.091	.089	.244	-.398	210	2403	-.081	.082	.225	-.332	210	2947	-.092	.083	.189	-.353
210	2122	-.088	.085	.237	-.348	210	2404	-.093	.076	.157	-.357	210	2948	-.094	.084	.197	-.360
210	2123	-.088	.088	.154	-.460	210	2405	-.097	.084	.264	-.358	220	2101	-.082	.092	.230	-.381
210	2124	-.092	.082	.147	-.340	210	2406	-.088	.081	.175	-.333	220	2102	-.097	.086	.157	-.399
210	2125	-.093	.085	.195	-.361	210	2901	-.033	.105	.416	-.300	220	2103	-.093	.085	.259	-.449
210	2126	-.091	.077	.166	-.371	210	2902	-.080	.086	.201	-.382	220	2104	-.096	.095	.209	-.561
210	2127	-.086	.083	.232	-.329	210	2903	-.047	.099	.287	-.358	220	2105	-.080	.092	.260	-.456
210	2128	-.087	.078	.183	-.387	210	2904	-.074	.094	.295	-.405	220	2106	-.087	.090	.193	-.419
210	2129	-.086	.084	.270	-.348	210	2905	-.069	.089	.185	-.444	220	2107	-.088	.086	.186	-.406
210	2130	-.091	.082	.172	-.346	210	2906	-.054	.085	.208	-.330	220	2108	-.099	.082	.169	-.397
210	2131	-.094	.081	.191	-.341	210	2907	-.108	.090	.176	-.400	220	2109	-.082	.080	.196	-.333
210	2132	-.097	.080	.153	-.376	210	2908	-.100	.079	.169	-.369	220	2110	-.089	.085	.180	-.386
210	2133	-.099	.083	.179	-.370	210	2909	-.085	.085	.231	-.334	220	2111	-.088	.082	.172	-.414
210	2134	-.096	.083	.173	-.436	210	2910	-.087	.080	.163	-.414	220	2112	-.096	.081	.202	-.361
210	2135	-.089	.087	.215	-.352	210	2911	-.098	.085	.281	-.398	220	2113	-.085	.072	.165	-.336
210	2136	-.084	.086	.180	-.366	210	2912	-.101	.084	.172	-.453	220	2114	-.089	.082	.171	-.438
210	2137	-.084	.081	.185	-.470	210	2913	-.078	.084	.200	-.356	220	2115	-.096	.086	.161	-.399
210	2138	-.078	.082	.187	-.369	210	2914	-.087	.079	.150	-.351	220	2116	-.092	.078	.182	-.377

APPENDIX A -- PRESSURE DATA ; CONFIGURATION C : TAIKOO SHING CITYPLAZA, HONG KONG (MODIFIED MODEL)

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
220	2117	-.090	.077	.272	-.366	220	2218	-.059	.079	.195	-.352	220	2943	-.078	.074	.165	-.316
220	2118	-.082	.084	.233	-.340	220	2219	-.065	.082	.246	-.336	220	2944	-.073	.087	.222	-.352
220	2119	-.082	.076	.169	-.392	220	2401	-.089	.078	.148	-.375	220	2945	-.082	.083	.198	-.359
220	2120	-.081	.073	.174	-.325	220	2402	-.083	.077	.222	-.340	220	2946	-.078	.078	.254	-.326
220	2121	-.078	.077	.215	-.401	220	2403	-.078	.077	.192	-.348	220	2947	-.075	.088	.205	-.363
220	2122	-.082	.080	.158	-.354	220	2404	-.075	.077	.182	-.334	220	2948	-.070	.087	.294	-.386
220	2123	-.084	.074	.157	-.332	220	2405	-.077	.078	.221	-.354	230	2101	-.063	.092	.235	-.477
220	2124	-.073	.079	.215	-.322	220	2406	-.073	.074	.157	-.313	230	2102	-.073	.089	.260	-.499
220	2125	-.075	.075	.152	-.361	220	2901	.011	.092	.507	-.249	230	2103	-.075	.097	.243	-.454
220	2126	-.077	.078	.211	-.298	220	2902	-.066	.078	.166	-.332	230	2104	-.081	.093	.342	-.393
220	2127	-.080	.078	.187	-.331	220	2903	-.065	.085	.226	-.441	230	2105	-.064	.094	.313	-.421
220	2128	-.078	.078	.197	-.359	220	2904	-.045	.086	.262	-.390	230	2106	-.075	.089	.248	-.405
220	2129	-.076	.080	.213	-.355	220	2905	-.062	.077	.183	-.351	230	2107	-.083	.089	.178	-.461
220	2130	-.076	.074	.157	-.314	220	2906	-.057	.080	.257	-.311	230	2108	-.094	.085	.198	-.438
220	2131	-.077	.079	.235	-.368	220	2907	-.098	.078	.155	-.387	230	2109	-.084	.090	.209	-.463
220	2132	-.069	.088	.231	-.369	220	2908	-.077	.079	.217	-.306	230	2110	-.085	.088	.222	-.393
220	2133	-.073	.085	.233	-.367	220	2909	-.068	.077	.158	-.304	230	2111	-.094	.085	.228	-.369
220	2134	-.087	.080	.256	-.337	220	2910	-.076	.081	.192	-.367	230	2112	-.106	.082	.221	-.356
220	2135	-.076	.092	.214	-.389	220	2911	-.086	.081	.212	-.383	230	2113	-.095	.082	.144	-.360
220	2136	-.073	.090	.335	-.412	220	2912	-.090	.076	.163	-.361	230	2114	-.093	.087	.162	-.429
220	2137	-.070	.087	.251	-.385	220	2913	-.085	.083	.228	-.379	230	2115	-.101	.080	.243	-.385
220	2138	-.071	.085	.195	-.390	220	2914	-.086	.083	.191	-.349	230	2116	-.094	.085	.196	-.393
220	2139	-.071	.078	.187	-.358	220	2915	-.090	.079	.178	-.340	230	2117	-.093	.085	.199	-.455
220	2140	-.068	.080	.194	-.308	220	2916	-.089	.072	.199	-.323	230	2118	-.083	.087	.243	-.347
220	2141	-.069	.085	.213	-.346	220	2917	-.085	.086	.189	-.376	230	2119	-.082	.084	.172	-.365
220	2142	-.063	.081	.191	-.364	220	2918	-.086	.087	.301	-.412	230	2120	-.091	.079	.209	-.383
220	2143	-.078	.082	.214	-.355	220	2919	-.088	.085	.212	-.365	230	2121	-.087	.091	.217	-.470
220	2144	-.067	.073	.185	-.317	220	2920	-.097	.080	.160	-.401	230	2122	-.091	.097	.222	-.428
220	2145	-.065	.080	.219	-.322	220	2921	-.097	.078	.152	-.366	230	2123	-.085	.096	.234	-.399
220	2146	-.065	.082	.212	-.357	220	2922	-.080	.076	.175	-.324	230	2124	-.078	.084	.168	-.337
220	2147	-.067	.078	.188	-.390	220	2923	-.085	.082	.172	-.360	230	2125	-.072	.090	.222	-.380
220	2148	-.068	.077	.303	-.330	220	2924	-.092	.080	.173	-.378	230	2126	-.082	.095	.241	-.452
220	2149	-.066	.082	.230	-.307	220	2925	-.096	.080	.188	-.368	230	2127	-.076	.083	.215	-.320
220	2201	-.086	.086	.213	-.376	220	2926	-.078	.070	.170	-.318	230	2128	-.070	.086	.247	-.316
220	2202	-.080	.081	.176	-.370	220	2927	-.081	.079	.195	-.353	230	2129	-.072	.093	.231	-.399
220	2203	-.079	.077	.169	-.358	220	2928	-.080	.079	.165	-.363	230	2130	-.082	.088	.241	-.353
220	2204	-.070	.076	.194	-.303	220	2929	-.087	.076	.179	-.363	230	2131	-.078	.093	.264	-.428
220	2205	-.070	.082	.192	-.354	220	2930	-.098	.074	.222	-.336	230	2132	-.069	.079	.180	-.343
220	2206	-.070	.078	.180	-.338	220	2931	-.082	.082	.212	-.349	230	2133	-.074	.079	.215	-.355
220	2207	-.058	.093	.235	-.794	220	2932	-.075	.073	.166	-.356	230	2134	-.082	.084	.245	-.342
220	2208	-.051	.079	.247	-.571	220	2933	-.076	.072	.181	-.318	230	2135	-.077	.084	.256	-.372
220	2209	-.057	.093	.262	-.740	220	2934	-.078	.078	.194	-.392	230	2136	-.069	.084	.291	-.358
220	2210	-.060	.093	.197	-.853	220	2935	-.078	.080	.163	-.347	230	2137	-.072	.080	.202	-.334
220	2211	-.067	.071	.181	-.423	220	2936	-.083	.073	.157	-.311	230	2138	-.070	.084	.207	-.416
220	2212	-.072	.085	.251	-.501	220	2937	-.077	.077	.217	-.327	230	2139	-.067	.082	.208	-.347
220	2213	-.050	.086	.272	-.321	220	2938	-.080	.074	.144	-.355	230	2140	-.070	.082	.214	-.385
220	2214	-.051	.078	.201	-.623	220	2939	-.082	.075	.196	-.303	230	2141	-.069	.088	.227	-.371
220	2215	-.059	.083	.221	-.785	220	2940	-.075	.075	.152	-.321	230	2142	-.075	.082	.252	-.372
220	2216	-.062	.078	.209	-.463	220	2941	-.080	.077	.194	-.366	230	2143	-.081	.085	.274	-.342
220	2217	-.052	.084	.206	-.340	220	2942	-.079	.079	.214	-.360	230	2144	-.071	.082	.179	-.347

APPENDIX A -- PRESSURE DATA ; CONFIGURATION C : TAIKOO SHING CITYPLAZA, HONG KONG (MODIFIED MODEL)

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
230	2145	-.069	.087	.207	-.339	230	2921	-.088	.078	.201	-.381	240	2123	-.068	.093	.223	-.352
230	2146	-.070	.081	.256	-.346	230	2922	-.079	.079	.212	-.403	240	2124	-.065	.084	.263	-.346
230	2147	-.070	.084	.242	-.353	230	2923	-.077	.085	.212	-.376	240	2125	-.065	.092	.259	-.371
230	2148	-.075	.086	.224	-.439	230	2924	-.095	.081	.247	-.346	240	2126	-.066	.094	.216	-.390
230	2149	-.071	.087	.259	-.333	230	2925	-.098	.080	.247	-.355	240	2127	-.061	.089	.253	-.330
230	2201	-.085	.077	.170	-.323	230	2926	-.081	.081	.150	-.344	240	2128	-.066	.091	.257	-.324
230	2202	-.080	.081	.170	-.427	230	2927	-.080	.084	.207	-.368	240	2129	-.061	.093	.257	-.402
230	2203	-.077	.079	.199	-.364	230	2928	-.083	.077	.233	-.384	240	2130	-.065	.092	.216	-.380
230	2204	-.071	.081	.199	-.394	230	2929	-.088	.081	.204	-.344	240	2131	-.064	.090	.270	-.362
230	2205	-.068	.085	.218	-.364	230	2930	-.094	.084	.207	-.423	240	2132	-.065	.101	.302	-.389
230	2206	-.075	.083	.225	-.350	230	2931	-.076	.085	.241	-.343	240	2133	-.060	.100	.256	-.421
230	2207	-.056	.085	.297	-.509	230	2932	-.071	.081	.175	-.330	240	2134	-.069	.090	.224	-.357
230	2208	-.045	.084	.248	-.536	230	2933	-.083	.078	.206	-.396	240	2135	-.061	.092	.204	-.375
230	2209	-.046	.085	.262	-.313	230	2934	-.082	.091	.219	-.467	240	2136	-.060	.087	.264	-.342
230	2210	-.050	.088	.269	-.500	230	2935	-.083	.096	.218	-.409	240	2137	-.062	.091	.203	-.397
230	2211	-.052	.072	.192	-.387	230	2936	-.078	.094	.224	-.384	240	2138	-.063	.092	.391	-.336
230	2212	-.059	.091	.270	-.509	230	2937	-.079	.084	.191	-.343	240	2139	-.061	.089	.215	-.435
230	2213	-.050	.087	.230	-.323	230	2938	-.071	.090	.236	-.379	240	2140	-.055	.090	.224	-.373
230	2214	-.046	.082	.214	-.334	230	2939	-.079	.093	.229	-.444	240	2141	-.067	.092	.247	-.394
230	2215	-.051	.080	.251	-.410	230	2940	-.070	.078	.195	-.309	240	2142	-.062	.093	.212	-.324
230	2216	-.064	.091	.242	-.409	230	2941	-.066	.085	.236	-.327	240	2143	-.064	.098	.228	-.361
230	2217	-.053	.097	.260	-.363	230	2942	-.069	.092	.235	-.381	240	2144	-.059	.092	.274	-.373
230	2218	-.058	.092	.276	-.373	230	2943	-.083	.088	.230	-.373	240	2145	-.059	.094	.231	-.366
230	2219	-.059	.088	.198	-.339	230	2944	-.071	.078	.198	-.328	240	2146	-.057	.093	.225	-.413
230	2401	-.083	.092	.238	-.442	230	2945	-.081	.078	.216	-.346	240	2147	-.063	.089	.200	-.392
230	2402	-.085	.094	.232	-.406	230	2946	-.077	.080	.225	-.339	240	2148	-.062	.095	.310	-.364
230	2403	-.076	.082	.195	-.318	230	2947	-.080	.080	.224	-.371	240	2149	-.061	.086	.258	-.334
230	2404	-.071	.084	.253	-.325	230	2948	-.070	.080	.189	-.334	240	2201	-.078	.088	.188	-.407
230	2405	-.078	.090	.216	-.426	240	2101	-.053	.115	.320	-.524	240	2202	-.074	.089	.270	-.330
230	2406	-.083	.088	.238	-.355	240	2102	-.055	.113	.334	-.540	240	2203	-.068	.085	.187	-.392
230	2901	.001	.098	.434	-.295	240	2103	-.069	.103	.295	-.428	240	2204	-.057	.087	.228	-.354
230	2902	-.076	.085	.256	-.371	240	2104	-.072	.100	.307	-.402	240	2205	-.061	.091	.243	-.404
230	2903	-.075	.098	.245	-.518	240	2105	-.058	.096	.237	-.465	240	2206	-.059	.091	.245	-.357
230	2904	-.057	.099	.242	-.412	240	2106	-.063	.098	.266	-.391	240	2207	-.044	.095	.229	-.385
230	2905	-.068	.097	.255	-.374	240	2107	-.072	.100	.269	-.362	240	2208	-.038	.091	.287	-.331
230	2906	-.061	.087	.230	-.339	240	2108	-.086	.092	.219	-.528	240	2209	-.037	.096	.241	-.346
230	2907	-.099	.096	.246	-.432	240	2109	-.069	.093	.207	-.394	240	2210	-.040	.095	.252	-.498
230	2908	-.082	.095	.230	-.467	240	2110	-.079	.096	.217	-.463	240	2211	-.044	.077	.174	-.461
230	2909	-.072	.083	.213	-.309	240	2111	-.081	.094	.235	-.356	240	2212	-.050	.103	.339	-.442
230	2910	-.072	.088	.239	-.342	240	2112	-.088	.099	.201	-.425	240	2213	-.043	.085	.276	-.361
230	2911	-.085	.094	.229	-.444	240	2113	-.079	.089	.260	-.383	240	2214	-.041	.086	.258	-.330
230	2912	-.096	.091	.198	-.382	240	2114	-.089	.097	.194	-.422	240	2215	-.042	.095	.290	-.368
230	2913	-.083	.096	.253	-.409	240	2115	-.085	.096	.235	-.452	240	2216	-.055	.095	.214	-.354
230	2914	-.079	.076	.175	-.321	240	2116	-.086	.092	.181	-.421	240	2217	-.049	.087	.248	-.452
230	2915	-.086	.074	.175	-.344	240	2117	-.079	.096	.294	-.374	240	2218	-.044	.092	.258	-.361
230	2916	-.084	.076	.216	-.361	240	2118	-.069	.087	.260	-.338	240	2219	-.049	.087	.268	-.326
230	2917	-.086	.078	.197	-.368	240	2119	-.071	.088	.238	-.378	240	2401	-.069	.093	.246	-.364
230	2918	-.081	.080	.174	-.343	240	2120	-.070	.094	.253	-.369	240	2402	-.076	.094	.202	-.407
230	2919	-.088	.077	.160	-.312	240	2121	-.068	.096	.239	-.346	240	2403	-.067	.088	.217	-.334
230	2920	-.096	.081	.181	-.454	240	2122	-.080	.090	.212	-.438	240	2404	-.070	.090	.253	-.353

APPENDIX A -- PRESSURE DATA) CONFIGURATION C : TAIKOO SHING CITYPLAZA, HONG KONG (MODIFIED MODEL)

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
240	2405	-.067	.092	.263	-.404	250	2101	-.035	.103	.403	-.387	250	2202	-.050	.087	.219	-.373
240	2406	-.066	.091	.208	-.368	250	2102	-.038	.099	.352	-.443	250	2203	-.052	.081	.214	-.324
240	2901	.041	.107	.657	-.278	250	2103	-.043	.100	.253	-.522	250	2204	-.049	.092	.296	-.334
240	2902	-.053	.098	.314	-.354	250	2104	-.050	.107	.338	-.546	250	2205	-.040	.087	.223	-.320
240	2903	-.060	.102	.308	-.412	250	2105	-.036	.096	.252	-.367	250	2206	-.043	.083	.243	-.334
240	2904	-.013	.102	.370	-.354	250	2106	-.044	.094	.239	-.430	250	2207	-.034	.094	.311	-.323
240	2905	-.049	.096	.250	-.383	250	2107	-.045	.093	.306	-.318	250	2208	-.033	.089	.266	-.374
240	2906	-.044	.088	.268	-.345	250	2108	-.056	.087	.228	-.458	250	2209	-.035	.099	.284	-.445
240	2907	-.081	.094	.268	-.429	250	2109	-.051	.099	.298	-.367	250	2210	-.034	.090	.243	-.337
240	2908	-.063	.097	.222	-.400	250	2110	-.050	.091	.226	-.335	250	2211	-.037	.081	.243	-.297
240	2909	-.057	.088	.228	-.302	250	2111	-.054	.090	.239	-.453	250	2212	-.038	.094	.250	-.428
240	2910	-.068	.095	.268	-.349	250	2112	-.057	.095	.255	-.490	250	2213	-.032	.087	.272	-.319
240	2911	-.073	.094	.241	-.425	250	2113	-.059	.090	.215	-.389	250	2214	-.030	.087	.253	-.284
240	2912	-.069	.095	.221	-.418	250	2114	-.059	.099	.233	-.455	250	2215	-.032	.087	.277	-.304
240	2913	-.057	.095	.323	-.354	250	2115	-.061	.088	.218	-.352	250	2216	-.038	.086	.262	-.347
240	2914	-.074	.100	.284	-.441	250	2116	-.059	.093	.294	-.371	250	2217	-.036	.092	.251	-.341
240	2915	-.072	.097	.223	-.401	250	2117	-.057	.088	.205	-.332	250	2218	-.034	.080	.205	-.280
240	2916	-.080	.082	.197	-.321	250	2118	-.037	.087	.272	-.355	250	2219	-.033	.088	.259	-.323
240	2917	-.076	.088	.175	-.343	250	2119	-.037	.086	.245	-.313	250	2401	-.055	.087	.210	-.399
240	2918	-.078	.083	.228	-.345	250	2120	-.047	.088	.276	-.344	250	2402	-.055	.090	.280	-.338
240	2919	-.088	.091	.191	-.532	250	2121	-.053	.086	.220	-.367	250	2403	-.053	.094	.261	-.397
240	2920	-.089	.092	.267	-.356	250	2122	-.058	.091	.232	-.345	250	2404	-.053	.089	.289	-.373
240	2921	-.081	.085	.180	-.442	250	2123	-.058	.082	.169	-.336	250	2405	-.054	.088	.236	-.352
240	2922	-.071	.088	.178	-.366	250	2124	-.055	.089	.236	-.325	250	2406	-.054	.086	.319	-.338
240	2923	-.074	.090	.220	-.404	250	2125	-.059	.087	.196	-.422	250	2901	.007	.095	.399	-.306
240	2924	-.087	.094	.219	-.385	250	2126	-.036	.090	.299	-.322	250	2902	-.043	.092	.262	-.373
240	2925	-.087	.097	.226	-.428	250	2127	-.033	.095	.282	-.355	250	2903	-.046	.087	.232	-.367
240	2926	-.075	.088	.251	-.356	250	2128	-.049	.090	.285	-.372	250	2904	-.033	.093	.272	-.327
240	2927	-.072	.091	.200	-.373	250	2129	-.048	.089	.236	-.321	250	2905	-.043	.084	.190	-.317
240	2928	-.071	.090	.212	-.411	250	2130	-.056	.087	.317	-.342	250	2906	-.039	.089	.272	-.312
240	2929	-.081	.088	.164	-.415	250	2131	-.054	.087	.209	-.332	250	2907	-.048	.089	.232	-.446
240	2930	-.083	.093	.288	-.376	250	2132	-.053	.093	.253	-.360	250	2908	-.044	.091	.274	-.339
240	2931	-.070	.085	.256	-.338	250	2133	-.050	.089	.251	-.347	250	2909	-.047	.095	.275	-.379
240	2932	-.066	.086	.262	-.338	250	2134	-.036	.088	.252	-.301	250	2910	-.059	.091	.287	-.379
240	2933	-.070	.092	.253	-.439	250	2135	-.039	.094	.329	-.375	250	2911	-.068	.089	.222	-.366
240	2934	-.074	.096	.250	-.371	250	2136	-.040	.090	.265	-.380	250	2912	-.051	.090	.323	-.353
240	2935	-.081	.088	.209	-.436	250	2137	-.048	.086	.256	-.301	250	2913	-.045	.089	.227	-.353
240	2936	-.072	.091	.211	-.349	250	2138	-.049	.090	.242	-.389	250	2914	-.052	.090	.233	-.321
240	2937	-.071	.084	.242	-.349	250	2139	-.052	.083	.208	-.343	250	2915	-.058	.084	.201	-.325
240	2938	-.070	.092	.253	-.370	250	2140	-.054	.094	.304	-.363	250	2916	-.059	.080	.253	-.278
240	2939	-.070	.093	.208	-.388	250	2141	-.051	.089	.211	-.340	250	2917	-.060	.091	.280	-.430
240	2940	-.067	.084	.226	-.300	250	2142	-.053	.087	.229	-.340	250	2918	-.062	.088	.253	-.407
240	2941	-.066	.091	.242	-.338	250	2143	-.042	.095	.309	-.356	250	2919	-.065	.082	.242	-.301
240	2942	-.065	.091	.243	-.397	250	2144	-.043	.091	.242	-.376	250	2920	-.060	.086	.218	-.358
240	2943	-.068	.092	.202	-.377	250	2145	-.050	.100	.277	-.434	250	2921	-.062	.080	.192	-.314
240	2944	-.065	.100	.265	-.417	250	2146	-.052	.088	.217	-.363	250	2922	-.061	.091	.280	-.363
240	2945	-.065	.099	.232	-.415	250	2147	-.055	.095	.296	-.372	250	2923	-.059	.086	.200	-.328
240	2946	-.067	.087	.245	-.326	250	2148	-.053	.091	.248	-.346	250	2924	-.060	.083	.209	-.352
240	2947	-.063	.088	.209	-.326	250	2149	-.055	.085	.259	-.350	250	2925	-.065	.092	.245	-.369
240	2948	-.062	.082	.238	-.323	250	2201	-.055	.083	.271	-.294	250	2926	-.058	.088	.215	-.386

APPENDIX A -- PRESSURE DATA ; CONFIGURATION C : TAIKOO SHING CITYPLAZA, HONG KONG (MODIFIED MODEL)

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
250	2927	-.062	.098	.253	-.428	260	2129	-.036	.085	.285	-.311	260	2905	-.044	.088	.221	-.306
250	2928	-.061	.086	.204	-.346	260	2130	-.061	.090	.216	-.319	260	2906	-.041	.091	.253	-.402
250	2929	-.064	.090	.292	-.352	260	2131	-.061	.089	.198	-.341	260	2907	-.042	.089	.221	-.395
250	2930	-.058	.087	.233	-.343	260	2132	-.061	.088	.249	-.363	260	2908	-.047	.092	.291	-.350
250	2931	-.040	.085	.269	-.333	260	2133	-.060	.092	.278	-.404	260	2909	-.052	.089	.227	-.356
250	2932	-.043	.085	.236	-.301	260	2134	-.029	.091	.259	-.379	260	2910	-.057	.092	.274	-.340
250	2933	-.063	.089	.263	-.343	260	2135	-.026	.089	.268	-.296	260	2911	-.063	.086	.256	-.329
250	2934	-.059	.085	.209	-.349	260	2136	-.035	.092	.241	-.389	260	2912	-.047	.094	.249	-.332
250	2935	-.060	.090	.231	-.340	260	2137	-.041	.098	.334	-.351	260	2913	-.044	.091	.211	-.328
250	2936	-.058	.080	.174	-.305	260	2138	-.048	.098	.278	-.354	260	2914	-.041	.092	.246	-.313
250	2937	-.052	.088	.257	-.333	260	2139	-.055	.089	.220	-.389	260	2915	-.053	.085	.237	-.394
250	2938	-.057	.086	.204	-.425	260	2140	-.056	.086	.304	-.359	260	2916	-.053	.084	.258	-.412
250	2939	-.052	.089	.297	-.331	260	2141	-.059	.095	.243	-.381	260	2917	-.049	.086	.235	-.299
250	2940	-.060	.093	.259	-.380	260	2142	-.066	.097	.282	-.378	260	2918	-.058	.090	.192	-.368
250	2941	-.047	.089	.291	-.372	260	2143	-.034	.090	.227	-.331	260	2919	-.050	.093	.292	-.346
250	2942	-.046	.087	.239	-.318	260	2144	-.030	.096	.304	-.360	260	2920	-.044	.096	.272	-.339
250	2943	-.058	.088	.303	-.355	260	2145	-.044	.099	.297	-.402	260	2921	-.048	.085	.238	-.349
250	2944	-.053	.091	.268	-.326	260	2146	-.049	.090	.220	-.351	260	2922	-.047	.092	.295	-.330
250	2945	-.053	.088	.251	-.342	260	2147	-.053	.093	.249	-.389	260	2923	-.046	.092	.241	-.357
250	2946	-.055	.085	.275	-.304	260	2148	-.049	.093	.252	-.367	260	2924	-.049	.093	.273	-.352
250	2947	-.053	.091	.307	-.370	260	2149	-.054	.085	.326	-.301	260	2925	-.050	.085	.189	-.323
250	2948	-.051	.087	.261	-.360	260	2201	-.053	.093	.271	-.345	260	2926	-.048	.095	.301	-.383
260	2101	.001	.114	.465	-.402	260	2202	-.055	.098	.266	-.359	260	2927	-.024	.099	.266	-.395
260	2102	.002	.111	.365	-.438	260	2203	-.062	.089	.215	-.465	260	2928	-.039	.088	.202	-.325
260	2103	.002	.118	.451	-.502	260	2204	-.037	.084	.311	-.311	260	2929	-.053	.090	.240	-.383
260	2104	.009	.119	.414	-.389	260	2205	-.032	.093	.266	-.350	260	2930	-.048	.089	.244	-.354
260	2105	-.017	.111	.325	-.363	260	2206	-.036	.094	.302	-.373	260	2931	-.024	.085	.336	-.255
260	2106	-.021	.110	.361	-.409	260	2207	-.031	.086	.207	-.320	260	2932	-.028	.089	.252	-.294
260	2107	-.028	.118	.401	-.488	260	2208	-.028	.094	.273	-.343	260	2933	-.057	.098	.273	-.365
260	2108	-.049	.113	.294	-.756	260	2209	-.028	.098	.322	-.363	260	2934	-.047	.088	.256	-.317
260	2109	-.033	.095	.358	-.372	260	2210	-.031	.090	.264	-.311	260	2935	-.048	.080	.220	-.302
260	2110	-.046	.105	.281	-.553	260	2211	-.029	.080	.217	-.294	260	2936	-.057	.087	.232	-.337
260	2111	-.053	.104	.294	-.585	260	2212	-.037	.094	.229	-.366	260	2937	-.049	.087	.224	-.357
260	2112	-.055	.092	.224	-.361	260	2213	-.032	.086	.372	-.271	260	2938	-.055	.087	.223	-.377
260	2113	-.051	.095	.297	-.354	260	2214	-.028	.090	.285	-.279	260	2939	-.027	.089	.289	-.333
260	2114	-.058	.098	.238	-.418	260	2215	-.029	.098	.295	-.350	260	2940	-.061	.087	.212	-.345
260	2115	-.053	.090	.210	-.380	260	2216	-.033	.090	.281	-.308	260	2941	-.026	.093	.313	-.319
260	2116	-.051	.093	.261	-.411	260	2217	-.031	.083	.242	-.334	260	2942	-.035	.083	.279	-.313
260	2117	-.050	.091	.236	-.361	260	2218	-.033	.091	.235	-.327	260	2943	-.054	.091	.238	-.328
260	2118	-.029	.087	.330	-.269	260	2219	-.036	.091	.248	-.352	260	2944	-.053	.085	.224	-.348
260	2119	-.033	.095	.271	-.328	260	2401	-.058	.088	.208	-.423	260	2945	-.058	.087	.260	-.402
260	2120	-.040	.099	.298	-.341	260	2402	-.058	.091	.271	-.353	260	2946	-.059	.089	.246	-.416
260	2121	-.049	.092	.248	-.340	260	2403	-.056	.090	.221	-.364	260	2947	-.061	.091	.236	-.339
260	2122	-.064	.081	.190	-.309	260	2404	-.060	.090	.278	-.311	260	2948	-.061	.091	.191	-.367
260	2123	-.067	.089	.219	-.330	260	2405	-.061	.085	.266	-.331	270	2101	-.007	.106	.466	-.332
260	2124	-.066	.090	.210	-.369	260	2406	-.061	.089	.224	-.327	270	2102	-.005	.104	.492	-.303
260	2125	-.068	.089	.210	-.390	260	2901	-.023	.093	.266	-.321	270	2103	-.018	.101	.421	-.404
260	2126	-.030	.093	.288	-.337	260	2902	-.046	.099	.304	-.347	270	2104	-.016	.109	.438	-.444
260	2127	-.026	.091	.248	-.327	260	2903	-.048	.092	.244	-.341	270	2105	-.006	.099	.563	-.371
260	2128	-.037	.094	.322	-.315	260	2904	-.040	.083	.255	-.309	270	2106	-.010	.091	.340	-.306

APPENDIX A -- PRESSURE DATA ; CONFIGURATION C : TAIKOO SHING CITYPLAZA, HONG KONG (MODIFIED MODEL)

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
270	2107	-.017	.104	.381	-.382	270	2208	-.023	.086	.220	-.379	270	2933	-.038	.086	.238	-.361
270	2108	-.031	.096	.310	-.382	270	2209	-.019	.087	.279	-.310	270	2934	-.035	.082	.280	-.318
270	2109	-.020	.093	.312	-.341	270	2210	-.021	.086	.310	-.319	270	2935	-.036	.081	.236	-.341
270	2110	-.026	.087	.246	-.382	270	2211	-.019	.072	.189	-.265	270	2936	-.035	.089	.277	-.336
270	2111	-.031	.091	.315	-.333	270	2212	-.028	.096	.278	-.419	270	2937	-.035	.083	.322	-.301
270	2112	-.033	.088	.238	-.316	270	2213	-.022	.092	.321	-.306	270	2938	-.035	.081	.266	-.302
270	2113	-.046	.089	.209	-.415	270	2214	-.019	.082	.231	-.315	270	2939	-.011	.085	.256	-.362
270	2114	-.041	.087	.265	-.365	270	2215	-.020	.087	.252	-.320	270	2940	-.035	.084	.246	-.348
270	2115	-.047	.086	.306	-.395	270	2216	-.024	.082	.310	-.303	270	2941	-.014	.085	.250	-.301
270	2116	-.035	.084	.209	-.305	270	2217	-.016	.083	.250	-.350	270	2942	-.017	.088	.267	-.341
270	2117	-.036	.095	.272	-.329	270	2218	-.019	.090	.308	-.320	270	2943	-.027	.083	.233	-.315
270	2118	-.019	.095	.289	-.310	270	2219	-.023	.088	.349	-.370	270	2944	-.047	.088	.261	-.323
270	2119	-.018	.088	.263	-.316	270	2401	-.041	.084	.262	-.339	270	2945	-.040	.088	.285	-.304
270	2120	-.029	.091	.261	-.370	270	2402	-.037	.081	.220	-.282	270	2946	-.040	.079	.265	-.366
270	2121	-.037	.086	.291	-.310	270	2403	-.040	.087	.248	-.335	270	2947	-.039	.088	.278	-.324
270	2122	-.042	.081	.212	-.352	270	2404	-.046	.084	.235	-.337	270	2948	-.043	.081	.215	-.415
270	2123	-.041	.091	.270	-.347	270	2405	-.041	.086	.232	-.346	280	2101	.093	.142	.668	-.349
270	2124	-.042	.084	.308	-.303	270	2406	-.036	.079	.210	-.272	280	2102	.086	.124	.581	-.229
270	2125	-.041	.082	.258	-.317	270	2901	-.013	.084	.290	-.311	280	2103	.071	.146	.603	-.410
270	2126	-.010	.084	.268	-.283	270	2902	-.030	.089	.240	-.348	280	2104	.044	.136	.654	-.342
270	2127	-.015	.089	.239	-.317	270	2903	-.036	.086	.281	-.339	280	2105	.148	.145	.802	-.304
270	2128	-.032	.087	.225	-.331	270	2904	-.028	.085	.255	-.343	280	2106	.115	.152	.718	-.279
270	2129	-.025	.091	.270	-.354	270	2905	-.029	.093	.294	-.310	280	2107	.082	.135	.840	-.272
270	2130	-.036	.079	.209	-.271	270	2906	-.026	.086	.378	-.334	280	2108	.033	.114	.493	-.308
270	2131	-.041	.083	.259	-.378	270	2907	-.023	.085	.287	-.326	280	2109	.054	.101	.518	-.276
270	2132	-.041	.088	.268	-.326	270	2908	-.028	.083	.237	-.278	280	2110	.039	.093	.399	-.256
270	2133	-.036	.088	.284	-.312	270	2909	-.037	.089	.263	-.369	280	2111	.010	.096	.445	-.263
270	2134	-.017	.085	.306	-.354	270	2910	-.044	.087	.239	-.352	280	2112	-.009	.092	.313	-.313
270	2135	-.013	.090	.302	-.332	270	2911	-.041	.088	.239	-.363	280	2113	-.061	.090	.201	-.460
270	2136	-.024	.089	.254	-.402	270	2912	-.017	.083	.243	-.278	280	2114	-.040	.095	.317	-.304
270	2137	-.028	.084	.266	-.334	270	2913	-.024	.087	.294	-.344	280	2115	-.090	.131	.258	-.762
270	2138	-.033	.094	.313	-.388	270	2914	-.029	.086	.280	-.335	280	2116	-.032	.093	.263	-.388
270	2139	-.039	.089	.239	-.374	270	2915	-.036	.084	.267	-.272	280	2117	-.025	.083	.247	-.344
270	2140	-.042	.088	.237	-.355	270	2916	-.037	.074	.253	-.355	280	2118	.006	.096	.344	-.647
270	2141	-.041	.083	.268	-.323	270	2917	-.033	.085	.274	-.302	280	2119	-.001	.092	.335	-.326
270	2142	-.041	.083	.257	-.300	270	2918	-.042	.080	.224	-.412	280	2120	-.020	.098	.334	-.427
270	2143	-.011	.090	.259	-.355	270	2919	-.037	.080	.257	-.315	280	2121	-.027	.100	.346	-.565
270	2144	-.021	.088	.239	-.380	270	2920	-.037	.092	.294	-.361	280	2122	-.034	.087	.303	-.358
270	2145	-.027	.090	.310	-.343	270	2921	-.037	.084	.231	-.341	280	2123	-.033	.092	.252	-.353
270	2146	-.038	.087	.285	-.337	270	2922	-.038	.085	.238	-.352	280	2124	-.031	.083	.290	-.288
270	2147	-.037	.085	.208	-.304	270	2923	-.040	.080	.213	-.309	280	2125	-.032	.092	.260	-.345
270	2148	-.039	.097	.272	-.322	270	2924	-.033	.083	.280	-.293	280	2126	.020	.094	.296	-.317
270	2149	-.042	.091	.279	-.315	270	2925	-.033	.080	.238	-.341	280	2127	.018	.094	.385	-.309
270	2201	-.033	.078	.248	-.331	270	2926	-.033	.084	.197	-.379	280	2128	.003	.098	.308	-.305
270	2202	-.030	.094	.292	-.507	270	2927	-.023	.089	.279	-.362	280	2129	.005	.086	.287	-.305
270	2203	-.035	.086	.223	-.371	270	2928	-.029	.083	.284	-.309	280	2130	-.032	.079	.262	-.345
270	2204	-.028	.088	.264	-.340	270	2929	-.036	.082	.208	-.312	280	2131	-.029	.082	.229	-.312
270	2205	-.021	.083	.275	-.303	270	2930	-.031	.093	.273	-.311	280	2132	-.026	.089	.248	-.294
270	2206	-.021	.086	.316	-.312	270	2931	-.013	.092	.306	-.303	280	2133	-.025	.087	.243	-.314
270	2207	-.019	.083	.252	-.306	270	2932	-.015	.083	.237	-.319	280	2134	.005	.099	.339	-.382

APPENDIX A -- PRESSURE DATA ; CONFIGURATION C : TAIKOO SHING CITYPLAZA, HONG KONG (MODIFIED MODEL)

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
280	2135	.014	.100	.441	-.286	280	2911	-.010	.087	.303	-.333	290	2113	-.058	.105	.292	-.458
280	2136	.016	.097	.315	-.346	280	2912	.064	.110	.621	-.258	290	2114	-.043	.099	.315	-.536
280	2137	-.002	.092	.317	-.279	280	2913	.041	.095	.412	-.293	290	2115	-.104	.142	.294	-.995
280	2138	-.018	.099	.415	-.347	280	2914	-.001	.089	.299	-.315	290	2116	-.019	.090	.277	-.393
280	2139	-.021	.089	.332	-.297	280	2915	-.050	.089	.219	-.379	290	2117	-.014	.088	.294	-.327
280	2140	-.024	.085	.259	-.287	280	2916	-.035	.089	.270	-.309	290	2118	.027	.113	.427	-.462
280	2141	-.022	.085	.247	-.287	280	2917	-.028	.091	.396	-.314	290	2119	.021	.107	.400	-.495
280	2142	-.030	.086	.275	-.273	280	2918	-.028	.088	.230	-.309	290	2120	-.010	.099	.360	-.531
280	2143	.015	.092	.360	-.333	280	2919	-.033	.096	.309	-.444	290	2121	-.010	.100	.347	-.379
280	2144	.010	.089	.296	-.381	280	2920	-.044	.107	.247	-.631	290	2122	-.033	.089	.236	-.338
280	2145	-.003	.094	.326	-.256	280	2921	-.029	.085	.324	-.324	290	2123	-.022	.096	.271	-.344
280	2146	-.013	.094	.265	-.379	280	2922	-.019	.080	.263	-.281	290	2124	-.020	.089	.282	-.382
280	2147	-.025	.091	.300	-.359	280	2923	-.022	.086	.287	-.384	290	2125	-.023	.086	.271	-.297
280	2148	-.027	.085	.248	-.336	280	2924	-.022	.086	.270	-.295	290	2126	.040	.100	.421	-.306
280	2149	-.023	.085	.234	-.384	280	2925	-.032	.086	.280	-.349	290	2127	.044	.095	.437	-.264
280	2201	-.006	.086	.304	-.263	280	2926	-.013	.082	.267	-.409	290	2128	.032	.098	.399	-.295
280	2202	-.002	.095	.341	-.295	280	2927	.074	.124	.652	-.331	290	2129	.028	.091	.339	-.317
280	2203	-.005	.086	.358	-.296	280	2928	.024	.094	.374	-.354	290	2130	-.025	.101	.289	-.380
280	2204	.001	.085	.320	-.266	280	2929	-.040	.083	.257	-.322	290	2131	-.019	.087	.232	-.293
280	2205	.018	.084	.296	-.229	280	2930	-.024	.081	.232	-.337	290	2132	-.014	.085	.279	-.381
280	2206	.007	.090	.302	-.268	280	2931	.019	.088	.342	-.347	290	2133	-.018	.086	.334	-.287
280	2207	-.048	.089	.283	-.315	280	2932	.005	.084	.289	-.296	290	2134	.009	.097	.373	-.376
280	2208	-.047	.083	.250	-.421	280	2933	-.030	.092	.276	-.372	290	2135	.045	.105	.400	-.291
280	2209	-.034	.089	.292	-.292	280	2934	-.027	.091	.314	-.360	290	2136	.036	.105	.731	-.296
280	2210	-.040	.095	.228	-.446	280	2935	-.033	.089	.304	-.352	290	2137	.016	.104	.424	-.321
280	2211	-.048	.071	.205	-.276	280	2936	-.035	.093	.251	-.346	290	2138	.001	.088	.330	-.304
280	2212	-.063	.086	.221	-.406	280	2937	-.035	.084	.286	-.316	290	2139	-.012	.094	.304	-.307
280	2213	-.046	.085	.244	-.362	280	2938	-.033	.090	.264	-.368	290	2140	-.018	.089	.252	-.351
280	2214	-.039	.083	.225	-.316	280	2939	.021	.096	.334	-.378	290	2141	-.019	.098	.327	-.357
280	2215	-.045	.086	.236	-.327	280	2940	-.033	.084	.242	-.335	290	2142	-.023	.078	.208	-.301
280	2216	-.055	.083	.268	-.298	280	2941	.027	.101	.403	-.322	290	2143	.037	.097	.382	-.256
280	2217	-.045	.089	.268	-.377	280	2942	.002	.086	.290	-.366	290	2144	.043	.103	.366	-.274
280	2218	-.055	.093	.251	-.391	280	2943	-.020	.088	.286	-.390	290	2145	.012	.096	.342	-.328
280	2219	-.068	.087	.217	-.335	280	2944	-.029	.095	.279	-.536	290	2146	.000	.092	.342	-.277
280	2401	-.031	.095	.284	-.329	280	2945	-.031	.088	.235	-.349	290	2147	-.012	.085	.273	-.297
280	2402	-.021	.096	.279	-.378	280	2946	-.031	.095	.283	-.341	290	2148	-.017	.093	.293	-.365
280	2403	-.024	.093	.263	-.393	280	2947	-.031	.095	.397	-.298	290	2149	-.017	.092	.296	-.313
280	2404	-.027	.093	.275	-.327	280	2948	-.027	.088	.229	-.292	290	2201	.013	.097	.306	-.291
280	2405	-.031	.084	.283	-.316	290	2101	.100	.156	.719	-.333	290	2202	.019	.087	.359	-.249
280	2406	-.031	.079	.247	-.338	290	2102	.105	.155	.666	-.349	290	2203	.015	.091	.324	-.273
280	2901	-.022	.084	.303	-.318	290	2103	.166	.171	.785	-.264	290	2204	.018	.093	.390	-.345
280	2902	-.029	.088	.290	-.331	290	2104	.136	.168	.770	-.319	290	2205	.031	.098	.431	-.306
280	2903	-.021	.087	.305	-.293	290	2105	.153	.140	.824	-.262	290	2206	.022	.085	.273	-.292
280	2904	-.021	.090	.301	-.381	290	2106	.209	.149	.923	-.195	290	2207	-.056	.091	.235	-.410
280	2905	-.019	.094	.282	-.353	290	2107	.173	.142	.751	-.163	290	2208	-.047	.092	.239	-.443
280	2906	-.011	.087	.262	-.275	290	2108	.125	.145	.691	-.305	290	2209	-.031	.095	.303	-.467
280	2907	.032	.097	.389	-.275	290	2109	.078	.103	.407	-.303	290	2210	-.036	.089	.296	-.315
280	2908	.027	.099	.427	-.297	290	2110	.070	.113	.483	-.279	290	2211	-.049	.071	.166	-.264
280	2909	-.042	.094	.248	-.371	290	2111	.051	.091	.325	-.240	290	2212	-.067	.092	.250	-.428
280	2910	-.034	.099	.257	-.386	290	2112	.017	.100	.386	-.276	290	2213	-.047	.093	.281	-.380

APPENDIX A -- PRESSURE DATA ; CONFIGURATION C : TAIKOO SHING CITYPLAZA, HONG KONG (MODIFIED MODEL)

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
290	2214	-.039	.083	.212	-.330	290	2939	.043	.100	.405	-.321	300	2141	-.014	.087	.252	-.262
290	2215	-.044	.083	.311	-.344	290	2940	-.021	.079	.276	-.268	300	2142	-.017	.087	.273	-.280
290	2216	-.061	.088	.256	-.378	290	2941	.061	.110	.609	-.317	300	2143	.078	.091	.405	-.272
290	2217	-.045	.090	.211	-.380	290	2942	.027	.086	.325	-.249	300	2144	.089	.102	.441	-.266
290	2218	-.061	.096	.288	-.379	290	2943	.002	.104	.369	-.448	300	2145	.070	.090	.465	-.248
290	2219	-.072	.091	.231	-.382	290	2944	-.020	.093	.295	-.420	300	2146	.038	.093	.306	-.297
290	2401	-.022	.097	.272	-.360	290	2945	-.028	.091	.273	-.595	300	2147	.025	.091	.361	-.255
290	2402	-.029	.100	.394	-.372	290	2946	-.024	.086	.271	-.292	300	2148	-.005	.093	.306	-.345
290	2403	-.012	.089	.281	-.353	290	2947	-.024	.091	.275	-.295	300	2149	-.013	.083	.279	-.323
290	2404	-.029	.090	.272	-.370	290	2948	-.021	.082	.281	-.279	300	2201	.012	.085	.298	-.265
290	2405	-.027	.087	.258	-.302	300	2101	.060	.154	.735	-.451	300	2202	.003	.094	.312	-.316
290	2406	-.022	.100	.288	-.333	300	2102	.020	.142	.685	-.438	300	2203	.000	.093	.403	-.340
290	2901	-.024	.087	.250	-.314	300	2103	.027	.158	.654	-.458	300	2204	.060	.095	.384	-.219
290	2902	-.036	.085	.276	-.330	300	2104	.041	.179	1.038	-.451	300	2205	.092	.101	.489	-.186
290	2903	-.032	.089	.273	-.348	300	2105	.208	.168	1.010	-.241	300	2206	.085	.095	.384	-.184
290	2904	-.012	.096	.286	-.382	300	2106	.132	.133	.708	-.248	300	2207	-.088	.097	.238	-.584
290	2905	-.015	.104	.314	-.352	300	2107	.099	.129	.730	-.277	300	2208	-.080	.107	.247	-.514
290	2906	-.016	.093	.317	-.338	300	2108	.071	.128	.903	-.381	300	2209	-.072	.099	.215	-.469
290	2907	.068	.103	.473	-.243	300	2109	.168	.136	.846	-.208	300	2210	-.070	.090	.235	-.428
290	2908	.078	.112	.657	-.283	300	2110	.122	.115	.569	-.219	300	2211	-.091	.086	.161	-.438
290	2909	-.044	.090	.279	-.410	300	2111	.069	.102	.454	-.216	300	2212	-.112	.112	.200	-1.292
290	2910	-.045	.095	.339	-.383	300	2112	.024	.090	.367	-.264	300	2213	-.079	.091	.250	-.454
290	2911	.013	.090	.308	-.280	300	2113	-.012	.104	.366	-.526	300	2214	-.064	.087	.206	-.341
290	2912	.102	.124	.619	-.249	300	2114	-.008	.084	.251	-.318	300	2215	-.073	.091	.251	-.376
290	2913	.086	.105	.464	-.288	300	2115	.004	.140	.333	-.718	300	2216	-.088	.084	.203	-.432
290	2914	.029	.091	.363	-.390	300	2116	.037	.097	.365	-.294	300	2217	-.061	.086	.214	-.356
290	2915	-.046	.089	.267	-.448	300	2117	-.002	.087	.278	-.330	300	2218	-.087	.091	.242	-.364
290	2916	-.027	.081	.306	-.314	300	2118	.150	.129	.701	-.218	300	2219	-.100	.097	.296	-.392
290	2917	-.019	.089	.261	-.259	300	2119	.131	.137	.675	-.587	300	2401	.003	.100	.335	-.490
290	2918	-.020	.083	.278	-.281	300	2120	.095	.121	.624	-.362	300	2402	.023	.099	.370	-.347
290	2919	-.043	.145	.449	-.713	300	2121	.053	.108	.511	-.287	300	2403	.015	.096	.322	-.296
290	2920	-.039	.104	.329	-.525	300	2122	-.020	.081	.238	-.253	300	2404	-.026	.087	.236	-.337
290	2921	-.015	.092	.303	-.305	300	2123	-.019	.086	.297	-.283	300	2405	-.026	.089	.256	-.323
290	2922	-.002	.086	.232	-.321	300	2124	-.021	.090	.359	-.328	300	2406	-.022	.096	.275	-.398
290	2923	-.013	.101	.356	-.342	300	2125	-.021	.086	.244	-.330	300	2901	-.060	.091	.211	-.367
290	2924	-.004	.079	.238	-.260	300	2126	.137	.110	.527	-.193	300	2902	-.065	.088	.208	-.416
290	2925	-.020	.085	.273	-.272	300	2127	.133	.110	.685	-.219	300	2903	-.049	.083	.292	-.384
290	2926	.011	.091	.322	-.308	300	2128	.078	.114	.651	-.296	300	2904	-.070	.101	.275	-.373
290	2927	.132	.125	.767	-.281	300	2129	.077	.102	.535	-.272	300	2905	-.057	.101	.229	-.420
290	2928	.063	.095	.365	-.220	300	2130	-.025	.095	.276	-.375	300	2906	-.026	.097	.368	-.379
290	2929	-.031	.079	.205	-.297	300	2131	-.020	.084	.309	-.303	300	2907	.061	.099	.454	-.303
290	2930	-.014	.088	.282	-.312	300	2132	-.023	.088	.273	-.338	300	2908	.032	.102	.436	-.295
290	2931	.031	.097	.369	-.328	300	2133	-.026	.090	.273	-.335	300	2909	-.079	.102	.255	-.491
290	2932	.028	.086	.292	-.262	300	2134	.053	.110	.386	-.405	300	2910	-.033	.096	.284	-.577
290	2933	-.023	.094	.316	-.377	300	2135	.099	.112	.455	-.277	300	2911	.022	.092	.365	-.262
290	2934	-.013	.086	.264	-.311	300	2136	.098	.106	.591	-.176	300	2912	.063	.104	.559	-.308
290	2935	-.028	.088	.235	-.322	300	2137	.058	.101	.402	-.298	300	2913	.054	.100	.468	-.316
290	2936	-.020	.096	.257	-.392	300	2138	.024	.103	.427	-.466	300	2914	.020	.105	.391	-.428
290	2937	-.030	.090	.286	-.348	300	2139	.006	.098	.405	-.379	300	2915	-.045	.093	.223	-.372
290	2938	-.022	.086	.269	-.297	300	2140	-.015	.085	.270	-.306	300	2916	-.020	.091	.258	-.345

APPENDIX A -- PRESSURE DATA ; CONFIGURATION C : TAIKOO SHING CITYPLAZA, HONG KONG (MODIFIED MODEL)

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
300	2917	-.009	.081	.261	-.315
300	2918	-.012	.082	.369	-.300
300	2919	.021	.107	.366	-.568
300	2920	.027	.109	.406	-.421
300	2921	.012	.091	.301	-.307
300	2922	.009	.079	.281	-.235
300	2923	.022	.099	.396	-.318
300	2924	.024	.088	.359	-.251
300	2925	.003	.080	.275	-.255
300	2926	.007	.095	.312	-.391
300	2927	.110	.135	.611	-.470
300	2928	.053	.088	.329	-.298
300	2929	-.020	.085	.250	-.351
300	2930	-.010	.085	.245	-.347
300	2931	.126	.101	.536	-.212
300	2932	.091	.101	.475	-.226
300	2933	.018	.106	.387	-.428
300	2934	.015	.086	.338	-.279
300	2935	-.012	.087	.284	-.380
300	2936	-.019	.087	.304	-.301
300	2937	-.018	.090	.353	-.331
300	2938	-.016	.085	.255	-.323
300	2939	.148	.115	.601	-.197
300	2940	-.018	.081	.239	-.319
300	2941	.125	.122	.846	-.330
300	2941	.125	.122	.846	-.330
300	2942	.085	.097	.493	-.309
300	2943	.040	.113	.427	-.348
300	2944	-.022	.110	.493	-.465
300	2945	-.048	.100	.232	-.473
300	2946	-.035	.102	.300	-.402
300	2947	-.027	.084	.262	-.327
300	2948	-.022	.082	.338	-.316
310	2101	.115	.136	.751	-.285
310	2102	.083	.135	.555	-.420
310	2103	.040	.147	.736	-.379
310	2104	-.031	.156	.715	-.661
310	2105	.357	.170	1.072	-.141
310	2106	.290	.176	1.274	-.252
310	2107	.212	.159	.895	-.257
310	2108	.156	.138	.792	-.225
310	2109	.370	.143	.943	-.067
310	2110	.309	.148	.859	-.122
310	2111	.220	.137	.759	-.280
310	2112	.126	.122	.560	-.217
310	2113	.096	.119	.542	-.322
310	2114	.067	.108	.442	-.336
310	2115	.168	.149	.714	-.557
310	2116	.140	.112	.590	-.208
310	2117	.056	.097	.561	-.257
310	2118	.229	.142	.736	-.311
310	2119	.235	.134	.759	-.353
310	2120	.234	.125	.696	-.184
310	2121	.192	.125	.777	-.196
310	2122	.009	.097	.314	-.340
310	2123	.000	.093	.303	-.313
310	2124	-.008	.089	.292	-.291
310	2125	.013	.086	.294	-.405
310	2126	.261	.119	.719	-.129
310	2127	.245	.108	.747	-.107
310	2128	.230	.112	.567	-.250
310	2129	.181	.120	.535	-.170
310	2130	.002	.105	.399	-.391
310	2131	-.007	.092	.294	-.354
310	2132	-.001	.082	.337	-.257
310	2133	-.001	.090	.290	-.316
310	2134	.056	.120	.413	-.439
310	2135	.140	.126	.545	-.496
310	2136	.178	.110	.572	-.208
310	2137	.171	.119	.735	-.271
310	2138	.139	.119	.762	-.221
310	2139	.108	.117	.566	-.292
310	2140	.053	.110	.457	-.280
310	2141	.010	.105	.440	-.385
310	2142	-.005	.093	.361	-.349
310	2143	.126	.096	.427	-.186
310	2143	.126	.096	.427	-.186
310	2144	.183	.105	.575	-.108
310	2145	.171	.107	.585	-.257
310	2146	.148	.103	.499	-.197
310	2147	.099	.100	.527	-.197
310	2148	.048	.107	.554	-.325
310	2149	.013	.110	.454	-.384
310	2201	.073	.093	.381	-.231
310	2202	.060	.101	.392	-.238
310	2203	.090	.098	.410	-.221
310	2204	.197	.104	.507	-.115
310	2205	.216	.111	.603	-.143
310	2206	.206	.105	.585	-.137
310	2207	-.179	.123	.219	-.723
310	2208	-.183	.124	.264	-.574
310	2209	-.168	.129	.264	-.692
310	2210	-.167	.113	.190	-.775
310	2211	-.177	.094	.166	-.548
310	2212	-.173	.115	.174	-1.057
310	2213	-.138	.113	.263	-.517
310	2214	-.113	.105	.211	-.541
310	2215	-.121	.098	.301	-.445
310	2216	-.158	.102	.154	-.490
310	2217	-.097	.101	.234	-.459
310	2218	-.142	.098	.203	-.465
310	2219	-.165	.095	.128	-.509
310	2401	.157	.125	.663	-.240
310	2402	.159	.111	.491	-.267
310	2403	.145	.117	.518	-.217
310	2404	-.043	.132	.514	-.767
310	2405	-.011	.105	.451	-.373
310	2406	.010	.110	.459	-.430
310	2901	-.118	.109	.211	-.588
310	2902	-.123	.100	.162	-.665
310	2903	-.087	.095	.246	-.420
310	2904	-.180	.118	.193	-.696
310	2905	-.132	.110	.252	-.610
310	2906	-.047	.094	.312	-.406
310	2907	.127	.101	.540	-.195
310	2908	.045	.110	.559	-.385
310	2909	-.135	.122	.225	-.665
310	2910	-.014	.105	.319	-.422
310	2911	.072	.110	.631	-.267
310	2912	.171	.124	.642	-.191
310	2913	.139	.124	.682	-.395
310	2914	.061	.125	.460	-.508
310	2915	-.036	.098	.301	-.506
310	2916	.001	.087	.281	-.261
310	2917	.010	.094	.326	-.267
310	2918	.002	.085	.296	-.284
310	2919	.152	.125	.539	-.296
310	2919	.152	.125	.539	-.296
310	2920	.156	.124	.650	-.354
310	2921	.103	.107	.737	-.215
310	2922	.073	.090	.336	-.237
310	2923	.157	.129	.608	-.254
310	2924	.126	.109	.505	-.255
310	2925	.079	.102	.402	-.209
310	2926	.082	.098	.435	-.382
310	2927	.295	.162	1.053	-.357
310	2928	.198	.118	.660	-.130
310	2929	.002	.087	.303	-.331
310	2930	.018	.090	.356	-.302
310	2931	.237	.123	.665	-.184
310	2932	.218	.108	.578	-.098
310	2933	.158	.120	.551	-.392
310	2934	.115	.110	.622	-.275
310	2935	.069	.104	.412	-.323
310	2936	.008	.100	.362	-.411
310	2937	.007	.109	.429	-.303
310	2938	.001	.085	.307	-.331
310	2939	.274	.125	.887	-.132
310	2940	.000	.081	.246	-.260
310	2941	.245	.109	.588	-.201
310	2942	.185	.114	.530	-.150
310	2943	.173	.122	.560	-.217
310	2944	.074	.121	.470	-.529

APPENDIX A -- PRESSURE DATA ; CONFIGURATION C : TAIKOO SHING CITYPLAZA, HONG KONG (MODIFIED MODEL)

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
310	2945	.015	.128	.491	-.602	320	2147	.245	.100	.577	-.047	320	2923	.318	.109	.704	-.032
310	2946	-.019	.107	.369	-.389	320	2148	.220	.119	.628	-.166	320	2924	.284	.105	.635	-.066
310	2947	-.024	.106	.339	-.422	320	2149	.155	.130	.527	-.328	320	2925	.251	.105	.674	-.095
310	2948	.001	.078	.300	-.278	320	2201	.229	.098	.573	-.046	320	2926	.233	.104	.636	-.245
320	2101	.061	.139	.529	-.388	320	2202	.193	.102	.526	-.340	320	2927	.374	.126	.931	.027
320	2102	.053	.127	.548	-.335	320	2203	.212	.105	.616	-.221	320	2928	.327	.112	.701	-.064
320	2103	.071	.130	.675	-.367	320	2204	.246	.100	.627	-.028	320	2929	.195	.098	.489	-.214
320	2104	.010	.129	.592	-.489	320	2205	.268	.095	.617	-.061	320	2930	.169	.109	.502	-.163
320	2105	.344	.153	.908	-.133	320	2206	.260	.098	.556	-.091	320	2931	.291	.105	.805	-.069
320	2106	.348	.138	.848	-.127	320	2207	-.288	.126	.256	-.685	320	2932	.264	.096	.604	-.132
320	2107	.333	.152	.960	-.079	320	2208	-.275	.130	.134	-.931	320	2933	.283	.102	.683	-.147
320	2108	.312	.150	.898	-.105	320	2209	-.246	.117	.194	-.716	320	2934	.273	.107	.598	-.102
320	2109	.384	.134	.804	.011	320	2210	-.248	.119	.235	-.631	320	2935	.245	.104	.581	-.143
320	2110	.393	.127	.930	-.026	320	2211	-.271	.092	.016	-.703	320	2936	.214	.118	.581	-.201
320	2111	.378	.141	.877	.008	320	2212	-.257	.120	.262	-.951	320	2937	.258	.136	.748	-.217
320	2112	.300	.135	.978	-.061	320	2213	-.216	.099	.168	-.612	320	2938	.206	.121	.546	-.190
320	2113	.255	.122	.632	-.253	320	2214	-.162	.100	.251	-.502	320	2939	.300	.106	.694	-.124
320	2114	.240	.114	.668	-.122	320	2215	-.187	.099	.172	-.559	320	2940	.211	.114	.635	-.107
320	2115	.288	.116	.738	-.173	320	2216	-.253	.101	.058	-.635	320	2941	.273	.110	.679	-.112
320	2116	.300	.114	.819	-.026	320	2217	-.145	.101	.168	-.526	320	2942	.262	.104	.616	-.018
320	2117	.244	.127	.778	-.082	320	2218	-.227	.099	.122	-.577	320	2943	.261	.104	.574	-.164
320	2118	.262	.122	.786	-.282	320	2219	-.243	.104	.117	-.627	320	2944	.239	.108	.587	-.133
320	2119	.245	.123	.733	-.154	320	2401	.338	.129	.940	-.035	320	2945	.216	.130	.623	-.601
320	2120	.285	.124	.837	-.166	320	2402	.307	.114	.669	-.049	320	2946	.194	.123	.598	-.273
320	2121	.299	.129	.774	-.075	320	2403	.325	.124	.821	-.088	320	2947	.201	.133	.598	-.279
320	2122	.209	.126	.764	-.256	320	2404	.243	.175	.771	-.620	320	2948	.168	.134	.601	-.259
320	2123	.211	.132	.709	-.255	320	2405	.209	.125	.658	-.311	330	2101	.063	.131	.596	-.478
320	2124	.204	.142	.695	-.251	320	2406	.244	.125	.734	-.227	330	2102	.020	.132	.459	-.424
320	2125	.224	.131	.673	-.169	320	2901	-.111	.098	.204	-.437	330	2103	-.030	.126	.488	-.320
320	2126	.307	.109	.693	-.072	320	2902	-.136	.095	.156	-.539	330	2104	-.041	.123	.466	-.477
320	2127	.294	.117	.859	-.072	320	2903	-.114	.093	.220	-.419	330	2105	.343	.159	.931	-.155
320	2128	.291	.112	.728	-.031	320	2904	-.135	.120	.215	-.678	330	2106	.312	.144	.924	-.068
320	2129	.270	.110	.646	-.028	320	2905	-.164	.105	.198	-.604	330	2107	.296	.149	.832	-.142
320	2130	.227	.121	.620	-.219	320	2906	-.123	.108	.222	-.474	330	2108	.269	.149	.820	-.245
320	2131	.214	.123	.616	-.195	320	2907	.231	.121	.710	-.107	330	2109	.395	.146	.977	-.053
320	2132	.188	.121	.550	-.254	320	2908	.073	.123	.489	-.393	330	2110	.398	.131	.791	.025
320	2133	-.198	.140	.625	-.254	320	2909	-.063	.146	.286	-.860	330	2111	.367	.143	.847	-.035
320	2134	-.025	.160	.390	-.740	320	2910	.036	.100	.398	-.372	330	2112	.309	.140	.885	-.060
320	2135	.149	.120	.568	-.271	320	2911	.139	.103	.639	-.180	330	2113	.253	.107	.741	-.597
320	2136	.223	.112	.549	-.199	320	2912	.291	.112	.693	-.091	330	2114	.274	.124	.761	-.107
320	2137	.247	.109	.720	-.186	320	2913	.269	.120	.700	-.115	330	2115	.277	.109	.609	-.109
320	2138	.263	.111	.760	-.214	320	2914	.139	.148	.677	-.537	330	2116	.303	.115	.736	-.072
320	2139	.264	.116	.636	-.138	320	2915	.095	.116	.449	-.323	330	2117	.292	.129	.880	-.049
320	2140	.229	.129	.780	-.274	320	2916	.113	.100	.485	-.249	330	2118	.261	.129	.668	-.168
320	2141	.204	.135	.653	-.231	320	2917	.143	.103	.492	-.224	330	2119	.266	.131	.711	-.141
320	2142	.115	.161	.808	-.404	320	2918	.172	.114	.544	-.273	330	2120	.281	.118	.702	-.164
320	2143	.142	.105	.522	-.170	320	2919	.304	.114	.769	-.246	330	2121	.302	.122	.711	-.071
320	2144	.246	.108	.629	-.159	320	2920	.303	.115	.741	.002	330	2122	.276	.111	.840	-.042
320	2145	.242	.096	.608	-.128	320	2921	.284	.113	.701	-.021	330	2123	.291	.127	1.098	-.263
320	2146	.249	.097	.564	-.212	320	2922	.213	.098	.551	-.090	330	2124	.337	.131	.842	-.105

APPENDIX A -- PRESSURE DATA ; CONFIGURATION C : TAIKOO SHING CITYPLAZA, HONG KONG (MODIFIED MODEL)

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
330	2125	.342	.122	.802	-.178	330	2901	-.165	.101	.138	-.476	340	2103	.013	.129	.493	-.473
330	2126	.318	.120	.732	-.023	330	2902	-.189	.095	.149	-.545	340	2104	-.061	.121	.342	-.406
330	2127	.309	.118	.800	-.103	330	2903	-.165	.104	.184	-.566	340	2105	.336	.148	.893	-.153
330	2128	.301	.118	.687	-.097	330	2904	-.166	.116	.288	-.723	340	2106	.289	.142	.782	-.137
330	2129	.277	.113	.651	-.035	330	2905	-.212	.104	.071	-.615	340	2107	.261	.136	.795	-.122
330	2130	.307	.130	.811	-.127	330	2906	-.216	.110	.130	-.563	340	2108	.243	.137	.797	-.164
330	2131	.293	.106	.699	-.044	330	2907	.221	.122	.630	-.294	340	2109	.402	.136	.980	.051
330	2132	.324	.121	.858	-.029	330	2908	.071	.118	.469	-.329	340	2110	.386	.135	1.020	.038
330	2133	.337	.132	.980	-.050	330	2909	-.036	.127	.316	-.737	340	2111	.360	.127	.945	-.081
330	2134	.017	.183	.545	-.878	330	2910	.038	.103	.365	-.282	340	2112	.312	.136	.845	-.046
330	2135	.174	.123	.607	-.326	330	2911	.138	.101	.440	-.173	340	2113	.244	.097	.626	-.068
330	2136	.237	.110	.609	-.177	330	2912	.308	.120	.679	-.124	340	2114	.272	.118	.715	-.084
330	2137	.256	.092	.577	-.189	330	2913	.250	.121	.751	-.210	340	2115	.287	.113	.693	-.046
330	2138	.270	.109	.740	-.144	330	2914	.163	.123	.582	-.301	340	2116	.325	.122	.776	-.053
330	2139	.266	.104	.730	-.138	330	2915	.133	.111	.523	-.235	340	2117	.257	.110	.676	-.029
330	2140	.287	.113	.736	-.055	330	2916	.149	.108	.551	-.182	340	2118	.314	.126	.758	-.226
330	2141	.292	.129	.713	-.421	330	2917	.179	.101	.544	-.126	340	2119	.291	.130	.718	-.166
330	2142	.246	.157	.881	-.512	330	2918	.233	.101	.543	-.058	340	2120	.310	.119	.785	-.172
330	2143	.151	.104	.534	-.200	330	2919	.317	.106	.742	-.016	340	2121	.298	.105	.753	-.003
330	2144	.236	.096	.564	-.065	330	2920	.300	.112	.752	-.110	340	2122	.262	.115	.701	-.218
330	2145	.248	.098	.571	-.067	330	2921	.297	.109	.724	-.077	340	2123	.312	.109	.738	-.043
330	2146	.256	.100	.593	-.120	330	2922	.237	.101	.580	-.111	340	2124	.334	.128	.901	.001
330	2147	.266	.100	.629	-.069	330	2923	.332	.117	.747	-.045	340	2125	.382	.123	.834	.026
330	2148	.289	.108	.815	-.041	330	2924	.289	.108	.614	-.045	340	2126	.327	.117	.788	-.033
330	2149	.270	.115	.719	-.072	330	2925	.270	.101	.741	-.061	340	2127	.330	.106	.777	-.007
330	2201	.232	.092	.577	-.092	330	2926	.222	.097	.562	-.108	340	2128	.312	.121	.841	-.076
330	2202	.208	.105	.570	-.160	330	2927	.356	.140	.860	-.302	340	2129	.282	.103	.658	-.062
330	2203	.201	.102	.617	-.168	330	2928	.308	.110	.636	-.126	340	2130	.323	.104	.701	-.012
330	2204	.262	.101	.613	-.053	330	2929	.217	.098	.561	-.124	340	2131	.299	.121	.736	-.096
330	2205	.283	.100	.614	-.030	330	2930	.172	.127	.565	-.442	340	2132	.358	.127	.896	.045
330	2206	.266	.100	.574	-.057	330	2931	.292	.112	.614	-.087	340	2133	.380	.130	.945	-.020
330	2207	-.315	.120	.126	-.814	330	2932	.257	.106	.629	-.083	340	2134	.078	.159	.545	-.607
330	2208	-.299	.115	.111	-.806	330	2933	.274	.101	.680	-.128	340	2135	.221	.128	.695	-.278
330	2209	-.272	.120	.204	-.862	330	2934	.287	.104	.629	-.016	340	2136	.266	.103	.698	-.094
330	2210	-.271	.116	.173	-.697	330	2935	.278	.100	.668	-.036	340	2137	.269	.107	.727	-.041
330	2211	-.279	.101	.053	-.761	330	2936	.204	.117	.650	-.177	340	2138	.267	.097	.615	-.056
330	2212	-.281	.124	.159	-.772	330	2937	.339	.128	.789	-.010	340	2139	.282	.097	.684	-.092
330	2213	-.245	.097	.093	-.690	330	2938	.329	.109	.714	-.072	340	2140	.274	.110	.713	-.198
330	2214	-.197	.101	.127	-.544	330	2939	.314	.118	.735	-.013	340	2141	.289	.115	.751	-.236
330	2215	-.221	.100	.217	-.608	330	2940	.317	.111	.747	-.056	340	2142	.315	.146	.889	-.258
330	2216	-.296	.105	.030	-.670	330	2941	.282	.119	.735	-.137	340	2143	.189	.103	.515	-.196
330	2217	-.182	.103	.193	-.503	330	2942	.271	.108	.606	-.029	340	2144	.248	.094	.561	-.055
330	2218	-.260	.104	.087	-.613	330	2943	.276	.107	.625	-.175	340	2145	.265	.099	.629	-.092
330	2219	-.284	.108	.095	-.641	330	2944	.261	.101	.549	-.022	340	2146	.279	.104	.635	-.020
330	2401	.336	.129	.881	-.075	330	2945	.256	.114	.624	-.122	340	2147	.289	.106	.731	-.054
330	2402	.308	.110	.702	.002	330	2946	.212	.117	.562	-.204	340	2148	.289	.102	.679	.005
330	2403	.329	.117	.796	-.042	330	2947	.291	.100	.613	-.145	340	2149	.284	.108	.815	-.059
330	2404	.315	.136	.828	-.333	330	2948	.304	.116	.768	-.153	340	2201	.223	.105	.609	-.095
330	2405	.309	.114	.722	-.067	340	2101	.045	.135	.573	-.458	340	2202	.210	.099	.559	-.104
330	2406	.323	.135	.830	-.119	340	2102	.009	.123	.461	-.404	340	2203	.217	.101	.549	-.201

APPENDIX A -- PRESSURE DATA ; CONFIGURATION C : TAIKOO SHING CITYPLAZA, HONG KONG (MODIFIED MODEL)

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
340	2204	.283	.107	.621	-.050	340	2929	.234	.104	.614	-.122	350	2131	.315	.123	.756	-.064
340	2205	.295	.109	.703	-.015	340	2930	.148	.134	.542	-.377	350	2132	.356	.119	.777	-.057
340	2206	.282	.109	.797	-.083	340	2931	.317	.107	.699	-.048	350	2133	.363	.110	.819	.043
340	2207	-.327	.109	.019	-.809	340	2932	.286	.104	.625	-.023	350	2134	.117	.159	.694	-.648
340	2208	-.286	.101	.052	-.665	340	2933	.292	.102	.639	-.050	350	2135	.244	.113	.654	-.481
340	2209	-.273	.108	.149	-.670	340	2934	.278	.088	.649	.013	350	2136	.268	.097	.587	-.060
340	2210	-.269	.113	.229	-.735	340	2935	.274	.101	.646	-.095	350	2137	.278	.092	.654	-.034
340	2211	-.283	.097	.063	-1.141	340	2936	.191	.103	.541	-.247	350	2138	.279	.101	.638	-.041
340	2212	-.277	.133	.193	-1.279	340	2937	.321	.125	.851	-.010	350	2139	.278	.095	.710	-.053
340	2213	-.247	.096	.124	-.597	340	2938	.353	.105	.731	.022	350	2140	.289	.106	.817	-.143
340	2214	-.207	.100	.132	-.507	340	2939	.320	.115	.700	-.027	350	2141	.315	.117	.743	-.164
340	2215	-.223	.095	.092	-.571	340	2940	.347	.115	.882	-.061	350	2142	.303	.137	.868	-.472
340	2216	-.315	.098	-.026	-.640	340	2941	.306	.122	.875	-.061	350	2143	.200	.099	.573	-.105
340	2217	-.200	.094	.085	-.589	340	2942	.277	.099	.621	-.085	350	2144	.263	.103	.739	-.073
340	2218	-.258	.095	.068	-.593	340	2943	.276	.100	.609	-.066	350	2145	.278	.094	.694	-.048
340	2219	-.272	.102	.079	-.614	340	2944	.261	.110	.655	-.027	350	2146	.275	.090	.613	.007
340	2401	.317	.119	.817	-.025	340	2945	.264	.103	.695	-.075	350	2147	.275	.088	.603	-.018
340	2402	.304	.116	.803	-.056	340	2946	.196	.138	.637	-.530	350	2148	.285	.096	.616	-.056
340	2403	.320	.109	.711	-.025	340	2947	.316	.105	.723	-.006	350	2149	.286	.096	.598	.029
340	2404	.307	.111	.890	-.031	340	2948	.330	.112	.792	-.009	350	2201	.230	.098	.584	-.083
340	2405	.315	.107	.780	-.058	350	2101	-.015	.135	.456	-.470	350	2202	.222	.112	.649	-.077
340	2406	.348	.111	.742	-.005	350	2102	-.042	.120	.387	-.495	350	2203	.214	.108	.593	-.061
340	2901	-.216	.103	.203	-.587	350	2103	-.005	.117	.391	-.541	350	2204	.302	.115	.704	-.080
340	2902	-.237	.095	.041	-.632	350	2104	-.070	.105	.366	-.369	350	2205	.305	.107	.669	-.002
340	2903	-.216	.104	.106	-.778	350	2105	.286	.136	.826	-.087	350	2206	.287	.095	.572	-.091
340	2904	-.237	.116	.137	-.713	350	2106	.257	.131	.840	-.112	350	2207	-.308	.124	.141	-.919
340	2905	-.271	.095	.061	-.628	350	2107	.242	.140	.737	-.140	350	2208	-.291	.145	.422	-1.544
340	2906	-.266	.107	.079	-.616	350	2108	.210	.128	.671	-.172	350	2209	-.269	.141	.328	-1.525
340	2907	.181	.110	.605	-.134	350	2109	.394	.138	.889	-.001	350	2210	-.242	.120	.241	-1.644
340	2908	.033	.118	.492	-.328	350	2110	.367	.132	.904	-.011	350	2211	-.249	.118	.075	-.880
340	2909	-.059	.126	.338	-.786	350	2111	.333	.127	.823	-.039	350	2212	-.279	.157	.160	-1.327
340	2910	.024	.099	.365	-.301	350	2112	.278	.129	.806	-.069	350	2213	-.240	.124	.212	-1.191
340	2911	.118	.095	.403	-.207	350	2113	.242	.109	.733	-.152	350	2214	-.206	.120	.264	-1.203
340	2912	.284	.105	.621	-.083	350	2114	.259	.114	.733	-.092	350	2215	-.221	.108	.206	-.824
340	2913	.212	.131	.625	-.224	350	2115	.268	.101	.762	-.004	350	2216	-.301	.106	.114	-.650
340	2914	.115	.124	.517	-.398	350	2116	.300	.099	.640	-.005	350	2217	-.198	.100	.146	-.560
340	2915	.127	.100	.452	-.250	350	2117	.264	.117	.849	-.118	350	2218	-.232	.094	.090	-.623
340	2916	.146	.114	.564	-.344	350	2118	.325	.118	.754	-.056	350	2219	-.251	.098	.029	-.659
340	2917	.170	.103	.521	-.182	350	2119	.302	.116	.795	-.116	350	2401	.315	.118	.752	-.016
340	2918	.235	.096	.551	-.086	350	2120	.312	.124	.863	-.109	350	2402	.287	.109	.683	-.081
340	2919	.293	.109	.652	-.073	350	2121	.301	.115	.729	-.043	350	2403	.305	.108	.712	-.022
340	2920	.298	.098	.729	.016	350	2122	.267	.102	.695	-.057	350	2404	.320	.109	.785	-.022
340	2921	.295	.102	.677	-.005	350	2123	.293	.106	.804	-.050	350	2405	.318	.106	.843	.016
340	2922	.233	.098	.531	-.103	350	2124	.362	.123	.862	.024	350	2406	.317	.100	.710	.033
340	2923	.314	.113	.714	-.023	350	2125	.366	.114	.892	.029	350	2901	-.231	.092	.099	-.619
340	2924	.295	.102	.837	-.039	350	2126	.339	.116	.761	-.102	350	2902	-.271	.091	-.021	-.570
340	2925	.286	.098	.630	-.023	350	2127	.312	.105	.747	-.020	350	2903	-.255	.102	.074	-.742
340	2926	.210	.094	.506	-.171	350	2128	.314	.109	.740	-.076	350	2904	-.270	.119	.071	-.658
340	2927	.353	.130	.829	-.097	350	2129	.313	.111	.720	-.036	350	2905	-.289	.098	-.004	-.682
340	2928	.317	.112	.707	-.003	350	2130	.299	.095	.677	.054	350	2906	-.316	.110	.064	-.771

APPENDIX A -- PRESSURE DATA ; CONFIGURATION C : TAIKOO SHING CITYPLAZA, HONG KONG (MODIFIED MODEL)

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
350	2907	.167	.107	.620	-.169	350	2921	.282	.101	.704	-.017	350	2935	.275	.093	.646	-.012
350	2908	.010	.103	.365	-.345	350	2922	.251	.109	.600	-.144	350	2936	.198	.114	.675	-.191
350	2909	-.063	.115	.265	-.576	350	2923	.318	.112	.762	-.052	350	2937	.345	.119	.838	.010
350	2910	.010	.093	.376	-.313	350	2924	.289	.100	.628	-.088	350	2938	.346	.104	.691	.067
350	2911	.121	.097	.504	-.234	350	2925	.270	.101	.679	-.028	350	2939	.329	.117	.776	-.112
350	2912	.265	.096	.617	-.042	350	2926	.220	.111	.663	-.148	350	2940	.322	.108	.790	-.026
350	2913	.212	.127	.641	-.207	350	2927	.332	.132	.757	-.159	350	2941	.306	.109	.771	-.015
350	2914	.103	.121	.506	-.406	350	2928	.286	.099	.725	-.008	350	2942	.303	.104	.650	-.042
350	2915	.122	.097	.481	-.218	350	2929	.224	.094	.552	-.109	350	2943	.274	.095	.619	-.092
350	2916	.122	.112	.625	-.234	350	2930	.162	.153	.589	-.540	350	2944	.262	.102	.603	-.097
350	2917	.152	.099	.490	-.202	350	2931	.322	.101	.640	.070	350	2945	.266	.101	.653	-.120
350	2918	.224	.089	.540	-.078	350	2932	.285	.098	.640	.011	350	2946	.247	.131	.609	-.392
350	2919	.285	.104	.700	-.125	350	2933	.284	.107	.679	-.153	350	2947	.299	.095	.696	.029
350	2920	.300	.109	.720	-.065	350	2934	.280	.098	.626	-.019	350	2948	.309	.098	.723	-.040

APPENDIX A -- PRESSURE DATA ; CONFIGURATION D : TAIKOO CITYPLAZA, HONG KONG (MODIFIED MODEL)

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
0	2207	-.272	.178	.354	-1.339	10	2210	-.159	.163	.414	-1.453	20	2214	-.151	.133	.256	-.872
0	2208	-.259	.168	.280	-1.240	10	2212	-.170	.139	.282	-.767	20	2215	-.151	.135	.266	-.831
0	2209	-.239	.173	.225	-2.006	10	2213	-.222	.206	.282	-1.944	350	2207	-.312	.148	.346	-1.267
0	2210	-.296	.191	.247	-1.188	10	2214	-.177	.155	.211	-.996	350	2208	-.292	.150	.355	-1.719
0	2212	-.205	.128	.183	-.941	10	2215	-.170	.149	.238	-.920	350	2209	-.269	.156	.216	-1.600
0	2213	-.245	.180	.193	-1.369	12	2207	-.219	.203	.372	-1.032	350	2210	-.364	.170	.207	-1.446
0	2214	-.198	.140	.225	-1.131	12	2208	-.199	.187	.434	-1.511	350	2212	-.273	.150	.145	-1.231
0	2215	-.198	.135	.244	-.980	12	2209	-.178	.186	.323	-1.630	350	2213	-.251	.130	.241	-1.413
2	2207	-.263	.204	.430	-1.141	12	2210	-.137	.149	.365	-1.982	350	2214	-.207	.115	.237	-.889
2	2208	-.242	.194	.460	-1.305	12	2212	-.151	.133	.275	-.819	350	2215	-.215	.116	.256	-.731
2	2209	-.215	.182	.321	-1.940	12	2213	-.192	.166	.283	-1.116	352	2207	-.288	.166	.341	-1.525
2	2210	-.220	.181	.288	-1.076	12	2214	-.157	.132	.228	-.883	352	2208	-.278	.162	.327	-1.477
2	2212	-.204	.150	.294	-1.301	12	2215	-.157	.136	.201	-.846	352	2209	-.255	.161	.269	-1.442
2	2213	-.241	.199	.278	-1.523	14	2207	-.215	.199	.391	-1.177	352	2210	-.301	.169	.204	-1.052
2	2214	-.195	.160	.331	-1.090	14	2208	-.196	.182	.363	-1.553	352	2212	-.271	.151	.160	-1.096
2	2215	-.188	.158	.234	-1.366	14	2209	-.164	.162	.350	-2.158	352	2213	-.249	.139	.219	-1.382
4	2207	-.256	.210	.446	-1.668	14	2210	-.127	.138	.317	-1.211	352	2214	-.209	.117	.201	-.968
4	2208	-.238	.203	.395	-1.335	14	2212	-.144	.123	.303	-.763	352	2215	-.214	.121	.219	-.970
4	2209	-.216	.194	.316	-2.505	14	2213	-.191	.172	.328	-1.142	354	2207	-.301	.160	.339	-1.452
4	2210	-.206	.174	.357	-1.720	14	2214	-.161	.131	.298	-.775	354	2208	-.281	.168	.347	-1.757
4	2212	-.186	.140	.236	-1.587	14	2215	-.156	.129	.292	-.749	354	2209	-.264	.177	.199	-1.752
4	2213	-.224	.178	.298	-1.669	16	2207	-.176	.188	.377	-1.004	354	2210	-.348	.174	.194	-1.451
4	2214	-.192	.142	.258	-1.013	16	2208	-.179	.186	.371	-1.483	354	2212	-.251	.149	.203	-1.219
4	2215	-.186	.145	.238	-1.038	16	2209	-.163	.163	.296	-1.272	354	2213	-.246	.150	.278	-1.300
6	2207	-.229	.205	.390	-1.239	16	2210	-.115	.126	.284	-1.010	354	2214	-.200	.124	.234	-1.269
6	2208	-.228	.199	.396	-1.354	16	2212	-.131	.129	.348	-.705	354	2215	-.202	.125	.200	-.967
6	2209	-.206	.206	.258	-1.754	16	2213	-.176	.174	.385	-1.500	356	2207	-.287	.183	.425	-1.299
6	2210	-.172	.157	.354	-1.353	16	2214	-.149	.146	.335	-.994	356	2208	-.268	.188	.282	-1.661
6	2212	-.181	.127	.232	-1.086	16	2215	-.151	.149	.364	-1.155	356	2209	-.247	.184	.296	-1.688
6	2213	-.231	.181	.283	-1.278	18	2207	-.126	.170	.526	-1.238	356	2210	-.313	.195	.326	-1.172
6	2214	-.190	.142	.232	-.923	18	2208	-.146	.165	.466	-1.011	356	2212	-.236	.140	.237	-.877
6	2215	-.188	.140	.213	-.917	18	2209	-.145	.160	.324	-1.459	356	2213	-.234	.148	.198	-1.254
8	2207	-.256	.223	.679	-1.458	18	2210	-.098	.138	.381	-.896	356	2214	-.190	.119	.167	-.765
8	2208	-.231	.208	.388	-1.401	18	2212	-.122	.130	.322	-.766	356	2215	-.193	.121	.251	-.677
8	2209	-.201	.202	.328	-1.928	18	2213	-.157	.170	.304	-1.872	358	2207	-.292	.194	.402	-1.516
8	2210	-.177	.162	.341	-1.076	18	2214	-.143	.137	.255	-.722	358	2208	-.273	.190	.489	-1.515
8	2212	-.181	.137	.288	-1.316	18	2215	-.141	.142	.302	-1.281	358	2209	-.255	.188	.358	-1.841
8	2213	-.219	.188	.300	-1.630	20	2207	-.105	.175	.438	-.979	358	2210	-.317	.189	.267	-1.096
8	2214	-.172	.142	.276	-1.115	20	2208	-.134	.169	.448	-.900	358	2212	-.220	.143	.316	-1.114
8	2215	-.169	.142	.298	-.882	20	2209	-.150	.156	.399	-1.109	358	2213	-.239	.188	.280	-2.061
10	2207	-.232	.204	.515	-1.371	20	2210	-.088	.126	.350	-.719	358	2214	-.196	.142	.206	-.934
10	2208	-.225	.191	.324	-1.734	20	2212	-.124	.125	.290	-.822	358	2215	-.195	.136	.235	-.803
10	2209	-.200	.186	.423	-1.826	20	2213	-.163	.160	.323	-1.006						

APPENDIX B

DATA FOR PROJECT 5040 CONFIGURATION E WIND DIR. 358 TUBING NO. 10

TAP	MEAN	RMS	MAX	MIN	TAP	MEAN	RMS	MAX	MIN	TAP	MEAN	RMS	MAX	MIN
2208	-.262	.216	.446	-2.279	2210	-.204	.170	.355	-1.560	2214	-.191	.151	.308	-1.995
2209	-.227	.228	.350	-2.503	2213	-.239	.196	.275	-1.617	2215	-.183	.132	.234	-1.294

DATA FOR PROJECT 5040 CONFIGURATION E WIND DIR. 0 TUBING NO. 10

TAP	MEAN	RMS	MAX	MIN	TAP	MEAN	RMS	MAX	MIN	TAP	MEAN	RMS	MAX	MIN
2208	-.247	.221	.455	-1.535	2210	-.194	.179	.346	-1.432	2214	-.192	.156	.232	-1.676
2209	-.223	.239	.371	-2.607	2213	-.233	.183	.243	-1.536	2215	-.182	.134	.184	-.979

DATA FOR PROJECT 5040 CONFIGURATION E WIND DIR. 2 TUBING NO. 10

TAP	MEAN	RMS	MAX	MIN	TAP	MEAN	RMS	MAX	MIN	TAP	MEAN	RMS	MAX	MIN
2208	-.259	.230	.411	-2.637	2210	-.185	.154	.286	-1.261	2214	-.188	.149	.278	-1.211
2209	-.217	.225	.337	-2.163	2213	-.243	.192	.232	-1.347	2215	-.184	.136	.225	-1.047

PRESC : W04 TAP 2208 TROUBLE= 10.371

DATA FOR PROJECT 5040 CONFIGURATION E WIND DIR. 4 TUBING NO. 10

TAP	MEAN	RMS	MAX	MIN	TAP	MEAN	RMS	MAX	MIN	TAP	MEAN	RMS	MAX	MIN
2208	-.242	.244	.578	-1.943	2210	-.183	.184	.277	-1.750	2214	-.182	.175	.400	-1.235
2209	-.186	.222	.299	-2.312	2213	-.216	.187	.288	-1.290	2215	-.162	.131	.208	-1.010

DATA FOR PROJECT 5040 CONFIGURATION E WIND DIR. 6 TUBING NO. 10

TAP	MEAN	RMS	MAX	MIN	TAP	MEAN	RMS	MAX	MIN	TAP	MEAN	RMS	MAX	MIN
2208	-.172	.204	.425	-1.559	2210	-.169	.155	.269	-1.028	2214	-.127	.146	.229	-1.087
2209	-.179	.197	.355	-2.243	2213	-.211	.167	.327	-1.537	2215	-.163	.122	.242	-.804

PRESC : W04 TAP 2209 TROUBLE= 10.489

DATA FOR PROJECT 5040 CONFIGURATION E WIND DIR. 8 TUBING NO. 10

TAP	MEAN	RMS	MAX	MIN	TAP	MEAN	RMS	MAX	MIN	TAP	MEAN	RMS	MAX	MIN
2208	-.233	.222	.594	-1.696	2210	-.175	.164	.358	-1.564	2214	-.180	.164	.308	-1.597
2209	-.198	.232	.392	-2.500	2213	-.222	.194	.329	-1.499	2215	-.173	.152	.220	-1.307

DATA FOR PROJECT 5040 CONFIGURATION E WIND DIR. 10 TUBING NO. 10

TAP	MEAN	RMS	MAX	MIN	TAP	MEAN	RMS	MAX	MIN	TAP	MEAN	RMS	MAX	MIN
2208	-.218	.214	.449	-1.571	2210	-.170	.161	.305	-1.128	2214	-.169	.159	.386	-.998
2209	-.176	.196	.457	-2.205	2213	-.213	.183	.429	-1.143	2215	-.166	.127	.208	-.781

PRESC : W04 TAP 2209 TROUBLE= 10.334

DATA FOR PROJECT 5040 CONFIGURATION F WIND DIR. 358 TUBING NO. 10

TAP	MEAN	RMS	MAX	MIN	TAP	MEAN	RMS	MAX	MIN	TAP	MEAN	RMS	MAX	MIN
2208	-.270	.214	.512	-2.045	2210	-.213	.183	.350	-2.058	2214	-.188	.152	.268	-1.752
2209	-.249	.239	.408	-2.345	2213	-.258	.204	.282	-1.947	2215	-.197	.139	.237	-.970

PRESC : W04 TAP 2210 TROUBLE= 10.082
PRESC : W04 TAP 2214 TROUBLE= 10.268

DATA FOR PROJECT 5040 CONFIGURATION F WIND DIR. 0 TUBING NO. 10

TAP	MEAN	RMS	MAX	MIN	TAP	MEAN	RMS	MAX	MIN	TAP	MEAN	RMS	MAX	MIN
2208	-.267	.229	.423	-2.010	2210	-.195	.167	.314	-1.971	2214	-.192	.152	.260	-1.136
2209	-.232	.226	.477	-2.164	2213	-.245	.182	.336	-1.183	2215	-.198	.137	.243	-1.034

PRESC : W04 TAP 2210 TROUBLE= 10.612

DATA FOR PROJECT 5040 CONFIGURATION F WIND DIR. 2 TUBING NO. 10

TAP	MEAN	RMS	MAX	MIN	TAP	MEAN	RMS	MAX	MIN	TAP	MEAN	RMS	MAX	MIN
2208	-.256	.221	.396	-1.843	2210	-.194	.160	.217	-1.210	2214	-.188	.147	.263	-1.189
2209	-.217	.237	.444	-2.388	2213	-.241	.193	.241	-1.655	2215	-.187	.140	.227	-.974

DATA FOR PROJECT 5040 CONFIGURATION F WIND DIR. 4 TUBING NO. 10

TAP	MEAN	RMS	MAX	MIN	TAP	MEAN	RMS	MAX	MIN	TAP	MEAN	RMS	MAX	MIN
2208	-.240	.224	.451	-1.588	2210	-.181	.176	.285	-1.935	2214	-.183	.160	.282	-1.253
2209	-.200	.224	.401	-2.497	2213	-.234	.191	.292	-1.464	2215	-.179	.138	.204	-.966

PRESC : W04 TAP 2209 TROUBLE= 10.261

DATA FOR PROJECT 5040 CONFIGURATION F WIND DIR. 6 TUBING NO. 10

TAP	MEAN	RMS	MAX	MIN	TAP	MEAN	RMS	MAX	MIN	TAP	MEAN	RMS	MAX	MIN
2208	-.235	.226	.403	-1.981	2210	-.173	.162	.330	-1.575	2214	-.160	.160	.253	-1.302
2209	-.191	.214	.373	-2.423	2213	-.226	.187	.289	-1.543	2215	-.166	.132	.220	-.982

PRESC : W04 TAP 2209 TROUBLE= 10.430

DATA FOR PROJECT 5040 CONFIGURATION F WIND DIR. 8 TUBING NO. 10

TAP	MEAN	RMS	MAX	MIN	TAP	MEAN	RMS	MAX	MIN	TAP	MEAN	RMS	MAX	MIN
2208	-.239	.233	.400	-1.815	2210	-.181	.175	.279	-1.702	2214	-.186	.171	.292	-1.745
2209	-.195	.239	.456	-2.206	2213	-.220	.196	.211	-1.311	2215	-.171	.154	.253	-1.054

DATA FOR PROJECT 5040 CONFIGURATION F WIND DIR. 10 TUBING NO. 10

TAP	MEAN	RMS	MAX	MIN	TAP	MEAN	RMS	MAX	MIN	TAP	MEAN	RMS	MAX	MIN
2208	-.217	.219	.636	-1.754	2210	-.163	.163	.384	-1.423	2214	-.166	.156	.419	-.973
2209	-.193	.221	.436	-2.247	2213	-.224	.199	.278	-1.425	2215	-.172	.149	.279	-1.134

DATA FOR PROJECT 5040 CONFIGURATION G WIND DIR. 358 TUBING NO. 10

TAP	MEAN	RMS	MAX	MIN	TAP	MEAN	RMS	MAX	MIN	TAP	MEAN	RMS	MAX	MIN
2208	-.269	.226	.490	-1.512	2210	-.218	.188	.218	-1.646	2214	-.196	.162	.197	-1.149
2209	-.236	.241	.324	-2.361	2213	-.241	.183	.226	-1.582	2215	-.191	.135	.152	-.991

DATA FOR PROJECT 5040 CONFIGURATION G WIND DIR. 0 TUBING NO. 10

TAP	MEAN	RMS	MAX	MIN	TAP	MEAN	RMS	MAX	MIN	TAP	MEAN	RMS	MAX	MIN
2208	-.252	.221	.498	-2.196	2210	-.200	.176	.452	-1.291	2214	-.188	.160	.281	-1.182
2209	-.222	.239	.287	-2.347	2213	-.231	.191	.340	-1.403	2215	-.181	.141	.187	-.895

DATA FOR PROJECT 5040 CONFIGURATION G WIND DIR. 2 TUBING NO. 10

TAP	MEAN	RMS	MAX	MIN	TAP	MEAN	RMS	MAX	MIN	TAP	MEAN	RMS	MAX	MIN
2208	-.247	.223	.395	-1.921	2210	-.187	.173	.336	-1.622	2214	-.189	.165	.228	-1.588
2209	-.211	.230	.395	-2.283	2213	-.238	.197	.281	-1.502	2215	-.179	.140	.258	-.936

DATA FOR PROJECT 5040 CONFIGURATION G WIND DIR. 4 TUBING NO. 10

TAP	MEAN	RMS	MAX	MIN	TAP	MEAN	RMS	MAX	MIN	TAP	MEAN	RMS	MAX	MIN
2208	-.248	.233	.576	-1.758	2210	-.175	.152	.250	-1.197	2214	-.184	.153	.295	-1.117
2209	-.200	.222	.312	-2.342	2213	-.230	.184	.246	-1.613	2215	-.176	.134	.253	-.852

DATA FOR PROJECT 5040 CONFIGURATION G WIND DIR. 6 TUBING NO. 10

TAP	MEAN	RMS	MAX	MIN	TAP	MEAN	RMS	MAX	MIN	TAP	MEAN	RMS	MAX	MIN
2208	-.234	.236	.390	-2.355	2210	-.172	.171	.315	-1.935	2214	-.172	.163	.270	-1.061
2209	-.186	.219	.441	-1.921	2213	-.221	.192	.255	-1.406	2215	-.166	.141	.281	-1.030

PRESC : W04 TAP 2210 TROUBLE= 10.311

DATA FOR PROJECT 5040 CONFIGURATION G WIND DIR. 8 TUBING NO. 10

TAP	MEAN	RMS	MAX	MIN	TAP	MEAN	RMS	MAX	MIN	TAP	MEAN	RMS	MAX	MIN
2208	-.222	.221	.516	-1.628	2210	-.162	.151	.327	-1.003	2214	-.169	.157	.306	-1.056
2209	-.193	.229	.367	-1.948	2213	-.219	.196	.284	-1.604	2215	-.173	.151	.292	-1.117

DATA FOR PROJECT 5040 CONFIGURATION G WIND DIR. 10 TUBING NO. 10

TAP	MEAN	RMS	MAX	MIN	TAP	MEAN	RMS	MAX	MIN	TAP	MEAN	RMS	MAX	MIN
2208	-.213	.210	.527	-1.453	2210	-.157	.155	.306	-1.172	2214	-.164	.156	.249	-1.012
2209	-.182	.229	.393	-2.267	2213	-.211	.194	.334	-1.486	2215	-.160	.142	.256	-.942

DATA FOR PROJECT 5040 CONFIGURATION H WIND DIR. 358 TUBING NO. 10

TAP	MEAN	RMS	MAX	MIN	TAP	MEAN	RMS	MAX	MIN	TAP	MEAN	RMS	MAX	MIN
2208	-.260	.191	.316	-1.327	2210	-.208	.162	.220	-1.364	2214	-.189	.144	.204	-1.293
2209	-.228	.227	.404	-2.327	2213	-.235	.184	.257	-1.512	2215	-.184	.133	.211	-1.112

DATA FOR PROJECT 5040 CONFIGURATION H WIND DIR. 0 TUBING NO. 10

TAP	MEAN	RMS	MAX	MIN	TAP	MEAN	RMS	MAX	MIN	TAP	MEAN	RMS	MAX	MIN
2208	-.260	.233	.467	-2.411	2210	-.195	.171	.307	-1.463	2214	-.188	.156	.242	-1.088
2209	-.224	.219	.335	-2.414	2213	-.235	.179	.249	-1.235	2215	-.185	.132	.212	-.845

PRESC : W04 TAP 2209 TROUBLE= 10.017

DATA FOR PROJECT 5040 CONFIGURATION H WIND DIR. 2 TUBING NO. 10

TAP	MEAN	RMS	MAX	MIN	TAP	MEAN	RMS	MAX	MIN	TAP	MEAN	RMS	MAX	MIN
2208	-.234	.210	.445	-2.030	2210	-.184	.158	.335	-1.331	2214	-.184	.147	.220	-1.186
2209	-.214	.230	.449	-2.318	2213	-.235	.196	.257	-1.489	2215	-.178	.137	.254	-1.113

DATA FOR PROJECT 5040 CONFIGURATION H WIND DIR. 4 TUBING NO. 10

TAP	MEAN	RMS	MAX	MIN	TAP	MEAN	RMS	MAX	MIN	TAP	MEAN	RMS	MAX	MIN
2208	-.247	.233	.479	-2.379	2210	-.175	.152	.264	-1.432	2214	-.183	.158	.302	-1.526
2209	-.192	.206	.403	-2.374	2213	-.228	.189	.203	-1.862	2215	-.179	.130	.223	-.894

PRESC : W04 TAP 2209 TROUBLE= 10.596

DATA FOR PROJECT 5040 CONFIGURATION H WIND DIR. 6 TUBING NO. 10

TAP	MEAN	RMS	MAX	MIN	TAP	MEAN	RMS	MAX	MIN	TAP	MEAN	RMS	MAX	MIN
2208	-.233	.231	.457	-1.567	2210	-.170	.161	.367	-1.529	2214	-.177	.163	.337	-1.313
2209	-.196	.222	.454	-2.385	2213	-.219	.181	.382	-1.479	2215	-.171	.140	.387	-.975

DATA FOR PROJECT 5040 CONFIGURATION H WIND DIR. 8 TUBING NO. 10

TAP	MEAN	RMS	MAX	MIN	TAP	MEAN	RMS	MAX	MIN	TAP	MEAN	RMS	MAX	MIN
2208	-.225	.230	.385	-1.712	2210	-.167	.168	.284	-1.365	2214	-.174	.167	.269	-1.107
2209	-.180	.220	.435	-2.359	2213	-.215	.196	.271	-1.558	2215	-.162	.142	.259	-1.110

DATA FOR PROJECT 5040 CONFIGURATION H WIND DIR. 10 TUBING NO. 10

TAP	MEAN	RMS	MAX	MIN	TAP	MEAN	RMS	MAX	MIN	TAP	MEAN	RMS	MAX	MIN
2208	-.235	.233	.528	-1.826	2210	-.174	.152	.371	-.966	2214	-.180	.162	.346	-1.052
2209	-.177	.217	.369	-2.366	2213	-.206	.185	.287	-1.465	2215	-.158	.137	.282	-.852

PRESC : W04 TAP 2209 TROUBLE= 10.095

DATA FOR PROJECT 5040 CONFIGURATION I WIND DIR. 356 TUBING NO. 10

TAP	MEAN	RMS	MAX	MIN	TAP	MEAN	RMS	MAX	MIN	TAP	MEAN	RMS	MAX	MIN
2208	-.264	.218	.382	-1.677	2210	-.203	.175	.275	-1.195	2214	-.188	.143	.210	-1.072
2209	-.239	.217	.303	-2.367	2213	-.245	.177	.222	-1.456	2215	-.189	.129	.218	-.877

DATA FOR PROJECT 5040 CONFIGURATION I WIND DIR. 0 TUBING NO. 10

TAP	MEAN	RMS	MAX	MIN	TAP	MEAN	RMS	MAX	MIN	TAP	MEAN	RMS	MAX	MIN
2208	-.248	.198	.393	-1.492	2210	-.193	.155	.345	-1.202	2214	-.191	.148	.260	-1.292
2209	-.217	.210	.357	-2.306	2213	-.226	.164	.247	-1.337	2215	-.180	.120	.236	-.805

DATA FOR PROJECT 5040 CONFIGURATION I WIND DIR. 2 TUBING NO. 10

TAP	MEAN	RMS	MAX	MIN	TAP	MEAN	RMS	MAX	MIN	TAP	MEAN	RMS	MAX	MIN
2208	-.258	.227	.377	-1.820	2210	-.191	.172	.391	-1.572	2214	-.188	.151	.382	-1.097
2209	-.221	.223	.310	-2.320	2213	-.238	.192	.294	-1.552	2215	-.185	.134	.223	-.953

DATA FOR PROJECT 5040 CONFIGURATION I WIND DIR. 4 TUBING NO. 10

TAP	MEAN	RMS	MAX	MIN	TAP	MEAN	RMS	MAX	MIN	TAP	MEAN	RMS	MAX	MIN
2208	-.233	.213	.311	-1.590	2210	-.182	.164	.319	-1.225	2214	-.186	.156	.254	-1.302
2209	-.195	.213	.370	-1.960	2213	-.229	.190	.250	-1.476	2215	-.173	.137	.219	-1.095

DATA FOR PROJECT 5040 CONFIGURATION I WIND DIR. 6 TUBING NO. 10

TAP	MEAN	RMS	MAX	MIN	TAP	MEAN	RMS	MAX	MIN	TAP	MEAN	RMS	MAX	MIN
2208	-.240	.213	.415	-1.748	2210	-.188	.165	.296	-1.617	2214	-.188	.156	.262	-.971
2209	-.194	.219	.331	-2.355	2213	-.226	.189	.245	-1.536	2215	-.174	.143	.187	-1.256

DATA FOR PROJECT 5040 CONFIGURATION I WIND DIR. 8 TUBING NO. 10

TAP	MEAN	RMS	MAX	MIN	TAP	MEAN	RMS	MAX	MIN	TAP	MEAN	RMS	MAX	MIN
2208	-.224	.229	.590	-1.586	2210	-.164	.152	.311	-1.107	2214	-.169	.152	.269	-.926
2209	-.190	.219	.382	-2.308	2213	-.216	.189	.273	-1.652	2215	-.168	.138	.248	-.871

DATA FOR PROJECT 5040 CONFIGURATION I WIND DIR. 10 TUBING NO. 10

TAP	MEAN	RMS	MAX	MIN	TAP	MEAN	RMS	MAX	MIN	TAP	MEAN	RMS	MAX	MIN
2208	-.215	.216	.487	-1.684	2210	-.157	.150	.363	-1.290	2214	-.164	.150	.397	-1.246
2209	-.179	.211	.342	-2.220	2213	-.210	.186	.301	-1.092	2215	-.162	.136	.238	-.889

APPENDIX C

SELECTION OF LOCAL PEAK PRESSURE COEFFICIENTS FOR WIND TUNNEL STUDIES OF BUILDINGS

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SUMMARY

It has been recognized that the probability distribution of the largest peak pressure achieved during a design storm at a particular location on a building is skewed with a long tail extending toward higher loadings. Several procedures have been suggested in the literature for determining the statistical characteristics of the peak pressure. This paper provides an optimized method for prediction of the peak pressure from wind-tunnel model studies.

1. INTRODUCTION

Most large buildings are currently designed with the aid of tests in a boundary-layer wind tunnel. One result of these tests is the distribution over the building surface of local peak pressures to be used for design of the cladding. It has been recognized for some time that the probability distribution of the largest peak pressure achieved during a design storm at a particular location on a building is skewed with a long tail extending toward higher loadings. This distribution is sufficiently broad at some locations on the building, that the peak pressure within the distribution predicted from the single largest pressure measured during a single one hour record may vary by 950 Pa (20 psf) or more at a site with reasonably strong design winds. A case is shown in Figure 1 in which the variation of peak pressure within the distribution leaving 0.5 percent of the area remaining at each end is 950 Pa (20 psf).

The development of the experimental understanding of fluctuating pressure probability distributions has occurred primarily in the last decade. Probability histograms of pressure fluctuations at several locations on a full-scale structure were reported by Dalgliesh [1]. Peterka and Cermak [2] showed that probability distributions of pressure fluctuations on high-rise buildings could be separated into two classifications -- one nearly Gaussian in positive-pressure areas and one highly skewed in negative-pressure areas. Peterka et. al. [3] showed that skewing of the distribution is reduced, almost to a Gaussian distribution, in the presence of strong vortex action. Stathopoulos [4] showed that fluctuating pressures skew to higher pressures for both positive and negative pressures on low-rise buildings. Lou [5] found that skewing can occur also on high-rise buildings in positive-pressure areas.

Several techniques have been proposed for prediction of probability distributions of peak pressures. Davenport [6] proposed a peak value theory for Gaussian processes based, in part, on earlier developments by Cartwright and

Longuet-Higgins [7] and Rice [8]. This method was developed for integral loads on a structure but is applicable for any Gaussian or near-Gaussian process. Sockel [9] proposed a method to predict the probability distribution of the largest peak from the parent distribution for a family of distributions. Mayne and Cook [10] proposed to obtain the probability distribution of largest peak by fitting the largest peak from a series of time intervals to a Type I extreme value distribution. Dalgliesh and Templin [11] proposed a method for determining the extreme value distribution by fitting an exponential distribution to a parent population consisting only of large amplitude "spikes" in the data record. Grigoriu [12] proposed a method based on use of the parent distribution in which the theory of extremes for Markovian sequences was applied.

All of the various methods described above have shortcomings that make them impractical for implementation in volume in wind-tunnel tests for cladding pressures. One of the most-used methods to date has been the Mayne and Cook method (10). In that method, 16 largest peaks are fit to a Type I distribution, each peak being the largest in a 15-minute record (full-scale time). The resulting distribution is then adjusted from a 15-minute record length to a one-hour record length by shifting the distribution along the pressure axis. In an effort to reduce the time involved for the wind-tunnel measurements from the 4 full-scale hours required by the Mayne and Cook method, the writer has proposed a method [13,14] which is based on using most or all independent peaks in a single one hour record for prediction of the probability distribution of largest peak. That method did not work as consistently as was desirable. The method has since been optimized to obtain maximum accuracy with minimum experimental time. The results of that investigation are presented herein.

2. THEORY

The theoretical approach has been presented previously [13], but is summarized here in slightly different form for clarity. Let C_{pp} represent all negative peaks (minima) in the pressure fluctuation record. Change sign on the C_{pp} values for simplicity so that Type I analysis may be applied in the usual sense with extremes increasing on the positive axis.

Let $p(C_{pp})$ be the probability density of all independent peaks in the record. Then $P(C_{pp})$, the probability density of the largest of the peaks, will be

$$P(C_{pp}) = N[1-q(C_{pp})]^{N-1}\, p(C_{pp}) \qquad (1)$$

if the peaks of $p(C_{pp})$ are independent. In this equation, N is the number of independent peaks in time T and

$$q(C_{pp}) = \int_{C_{pp}}^{\infty} p(C_{pp})\, dC_{pp} , \tag{2}$$

the complementary cumulative distribution of all peaks.

From theoretical considerations [15,16] and from empirical experience [5], $q(C_{pp})$ may be an extreme value distribution of Type I:

$$q(C_{pp}) = 1 - e^{-e^{-y}} , \quad y = a\,(C_{pp} - U) \tag{3}$$

where U and 1/a are the mode and dispersion of the distribution. The expression, y, is the "reduced variate."

$$\text{Thus} \qquad p(C_{pp}) = -\frac{dq}{dC_{pp}} = a(e^{-y})\left(e^{-e^{-y}}\right) \tag{4}$$

$$\text{and} \qquad P(C_{pp}) = aN(e^{-y})\left(e^{-e^{-y}}\right)^{N} . \tag{5}$$

$P(C_{pp})$ has the same shape as $p(C_{pp})$ but is shifted along the C_{pp} axis to larger values. The mode U_o of $P(C_{pp})$, from the maximum of (5), is

$$U_o = U + \frac{1}{a} \ln N \tag{6}$$

The form of $P(C_{pp})$ is that of an extreme value distribution of Type I:

$$P(C_{pp}) = a_o\,(e^{-y_o})\left(e^{-e^{-y_o}}\right) , \quad y_o = a_o(C_{pp} - U_o) \tag{7}$$

where U_o, $1/a_o$ are the mode and dispersion of $P(C_{pp})$. Equating (5) and (7) at a particular point, say $C_{pp} = U_o$, and incorporating (6) for the value of U_o,

$$a_o = a . \tag{8}$$

The cumulative distribution for the largest peak is then

$$Q(C_{pp}) = 1 - e^{-e^{-y_o}} \tag{9}$$

The preceding analysis shows that the probability distribution of the largest peak in time T can be represented by an extreme value distribution of Type I whose mode and dispersion are functions only of the mode and dispersion of the Type I extreme value distribution and the number, N, of independent peaks in T.

N can be represented by

$$N = \nu T \tag{10}$$

where ν is the number of independent peaks per unit time. Rice [8] showed that the number of extrema per unit time could be found from ratios of moments of the spectral distribution of the parent time series. Because this technique requires a large amount of computer time if many cases are to be studied, an alternate scheme was used to estimate the value of ν. The autocorrelation, R_k, of the sequence of peaks was formed, where k is the delay in peaks. The peaks become essentially uncorrelated, and hence independent, when $R_k < r$, a small value. k_c is the count of peaks from one independent peak to the next and T_M is the length of the record to obtain M peaks. Then

$$\nu \cong \frac{M}{k_c T_M} \tag{11}$$

Two factors act to make (11) an acceptable estimate for ν: 1) the probability distribution $P(C_{pp})$ is not highly sensitive to the value of ν, and 2) peaks become uncorrelated rapidly so that a small number of terms of R_k need be computed with a reasonably small sample, M, of peaks.

3. APPLICATION AND OPTIMIZATION OF THE METHOD

Early use of the method of predicting peak pressure distributions using N independent peaks in one record showed mixed results. Some one-hour pressure records showed good agreement with results using the method suggested by Mayne and Cook, described above, but others were not as satisfactory [13]. A series of pressure measurements were made on several model buildings placed in the boundary-layer wind tunnels at the Fluid Dynamics and Diffusion Laboratory at Colorado State University. Details of the modeling procedure, which space limitations prohibit here, are available in several sources [17]. Fluctuating pressure records with negative means were stored in digital form on the laboratory data-acquisition system and subsequently analyzed as described above.

The criteria for selecting peaks was that a peak had to be at least 0.05 in C_p away from the adjacent valley to qualify. Correlations of pressure peaks, a typical example of which is shown in Figure 2, showed some variation in shape but were reasonably consistent in number of peaks to be skipped to obtain independent peaks. Results reported in [13] used a value of correlation coefficient of 0.2-0.3 to indicate independence of peaks. On this basis, a value of k_c of 2 or 3 was used so that 1/3 to 1/2 of all detectable peaks were used in the analysis. A Type I fit to these peaks fit well in some cases, Figure

3a, but failed to fit well in other cases, Figure 3b. Cases where the Type I fit was good tended to provide better predictions of peak pressure probability distributions than those with poor fits, but goodness of fit of peaks to the Type I distribution could not be used reliably as a basis for how well the resulting probability distribution of largest peak would compare to the actual distribution.

Analysis of results indicate three possible difficulties: 1) that correlation coefficients must be closer to zero than 0.2 to guarantee independence of peaks, 2) that lower-amplitude peaks did not always have the same statistical character as the larger peaks, thus distorting the prediction of the distribution of largest peak, and 3) that a single one-hour record is insufficient to reduce sampling errors to acceptable levels. An experimental program was executed to isolate and examine these problems.

A set of 100 time records, each one full-scale hour in length, was obtained from 12 randomly selected pressure taps (with negative means) on building models under study in the Fluid Dynamics and Diffusion Laboratory. A Type I distribution was fit to 100 peaks representing the largest negative peak from each record. This distribution was used as the "exact" answer for comparison. For each of the 100 records, a prediction of mode and dispersion for the peak pressure distribution was made from the analysis of this paper using N independent peaks and 100, 50, 20 and 10 largest peaks. The 100 predictions provided a data base for statistical analysis of the reliability of each prediction method.

To provide a single value for comparison between methods, an effective peak pressure coefficient, proposed by Cook and Mayne [18], was calculated for each case described above. This coefficient is defined as

$$C_p^* = U_o + 1.4(1/a_o) \tag{12}$$

The effect of record length was investigated by averaging values of C_p^* for the above cases for 2, 3, 4 and 5 records. This provided 50, 33, 25 and 20 values of averaged C_p^* respectively to use for analysis of consistency.

Finally, for comparison the method of Mayne and Cook [10] was applied to 25 sets of 4 records splitting the 4-record length into 16 shorter records and selecting the largest peak in each of the 16 short records for application of the Type I distribution.

Results of the various experiments are shown in Figures 4 through 7. Figure 4 shows the average difference between 100 predictions of C_p^* and the "exact" value of C_p^*, for 12 taps for 1, 10, 20, 50, 100 and N independent peaks per

one-hour record. For the 1 peak per record case, the single peak itself was assumed to be the prediction for C_p^*. The range of individual differences between the 100-record average for each of the 12 taps and the exact C_p^* is also shown. Plotted for comparison is the average and range of the average of 25 predictions for 12 taps for the Mayne and Cook method. All methods provide an average prediction within 0.06 in C_p^*; however, a variation in consistency of prediction values can be seen in the range of the differences. The range of the 1, 10, 20, 50 and 100 point calculations using a single record were generally acceptable in consistency as was the Mayne-Cook method. Use of all N independent peaks provides a much poorer consistency.

Figure 5 shows the difference between the largest and smallest C_p^* in a set of predictions at a tap, averaged across 8 taps used for the optimization with $C_p^* > 1.0$. Data for 1, 10, 20, 50 and 100 peaks per one hour record are presented for cases where C_p^* values were unaveraged (1-record prediction) and averaged over 2, 3, 4 and 5 one-hour records. Also shown for comparison is the result of the Mayne-Cook procedure. Conclusions to be drawn from this graph are: 1) that a significant increase in consistency of prediction is obtained over a one-record prediction of C_p^* by averaging two one-record predictions of C_p^*, 2) that averaging more than two C_p^* values together provides increasingly small improvements in prediction consistency, 3) that averaging two values of C_p^* using 50 or 100 peaks for each C_p^* provides a comparable or improved level of consistency in prediction of C_p^* to the Mayne-Cook method with 1/2 the experimental time, 4) that either of these procedures (100 peaks per record for 2 records and Mayne-Cook) provide an acceptable level of uncertainty in prediction of C_p^*, and 5) an average of two values of C_p^* where each C_p^* is assumed to be the single largest peak in one record provides an acceptable consistency with an average prediction about 6 percent low in pressure (See Fig. 4).

Use of a single peak in a record to approximate C_p^* should predict the mean of the distribution $P(C_{pp})$ (equal to $U_o + 0.577\ (1/a_o)$) instead of $C_p^* = U_o + 1.4\ (1/a_o)$. The ratio of the mean of $P(C_{pp})$ to C_p^* for the "exact" distribution was 0.93 compared to 0.94 for the single peak averages.

Selection of an optimum method for prediction of C_p^* is somewhat subjective depending on the tradeoff between accuracy of prediction, wind-tunnel time available and computational capabilities in the data acquisition system. A reasonable selection of technique is to average two single peak estimates of C_p^* with the average increased by 7 percent. For an improved precision, 50 or 100 largest peaks per record can be used to predict C_p^* with C_p^* averaged over 2 one-hour records. Where neither wind-tunnel time nor computational resources are limited, 100 highest peaks per record averaging C_p^* for 4 or 5 records will

provide further improvement in accuracy. Because the range of variation is somewhat larger for larger pressures, the 2-record or 4-record analysis is only needed for larger pressure areas on the building. A single-peak, single record estimate of C_p^* can be used for small or moderate pressure areas.

Figures 6 and 7 show how well a single-peak, single-record prediction of C_p^* and an optimized technique using 100 peaks per record averaging C_p^* over 2 records compare to the "exact" C_p^* value. Shown are the average, the standard deviation and the range of 50 predictions. Prediction capability is quite good for the optimized technique, particularly in comparison with the single peak method.

4. CONCLUSIONS

On the basis of the preceding analysis, the following conclusions can be made:

- Variation in design pressure for local cladding loads can be large at some locations on a building in wind-tunnel tests which use a single sample of largest peak in a one-hour record to obtain design pressures.
- Use of multiple peaks in a single one-hour record can significantly improve design pressure prediction.
- Use of the average of 2 single-peak estimates of peak pressure with the average increased by 7 percent can also significantly improve prediction precision.
- Use of 100 largest peaks per one-hour record with design pressure averaged for 2 records provides an optimum precision in determination of design pressure.
- Previous recommended procedure with similar precision to the optimum method required 4 records or twice as much experimental time.
- Increased precision over a single peak determination of design pressure is only necessary for areas on a structure with larger pressures.

ACKNOWLEDGEMENTS

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FIGURES

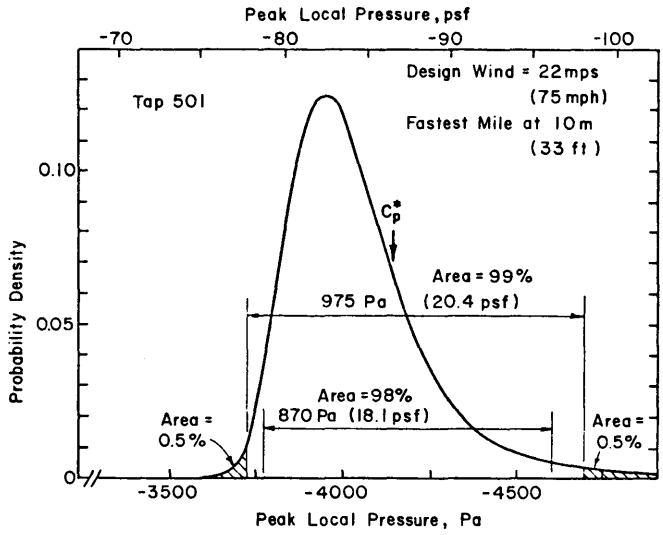

Figure 1. Probability Density for a Typical High-Pressure Area on a High-Rise Building

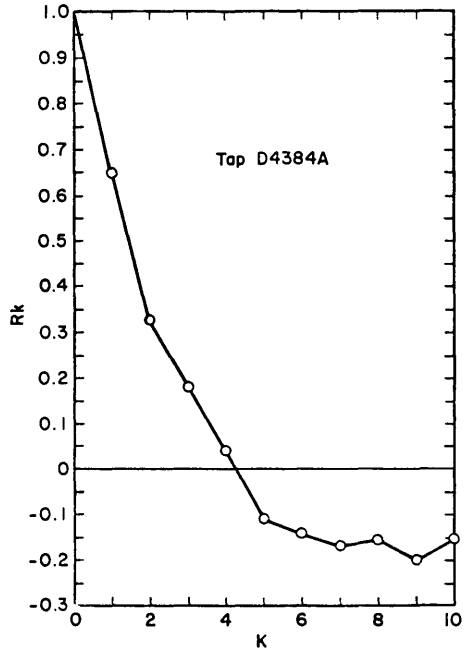

Figure 2. Correlation Coefficient for 100 Peaks in Sequence

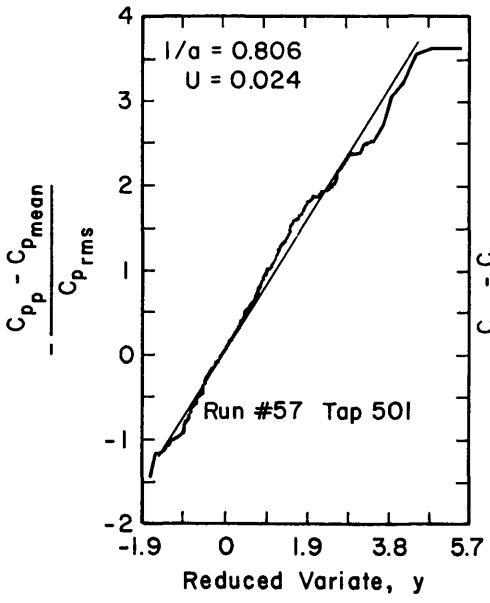

Figure 3a. Type I Extreme Value Fit to 265 Peaks

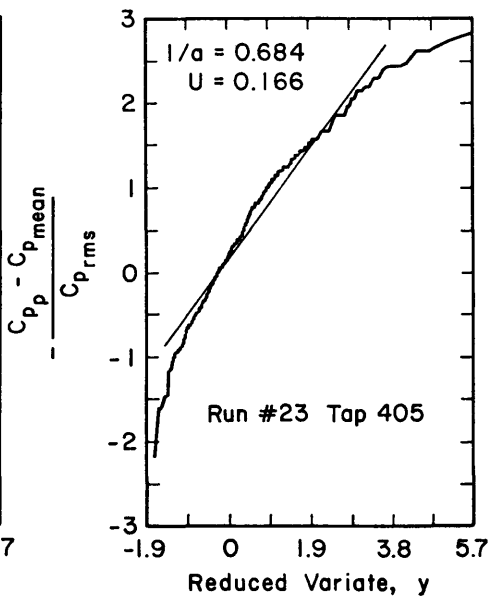

Figure 3b. Type I Extreme Value Fit to 333 Peaks

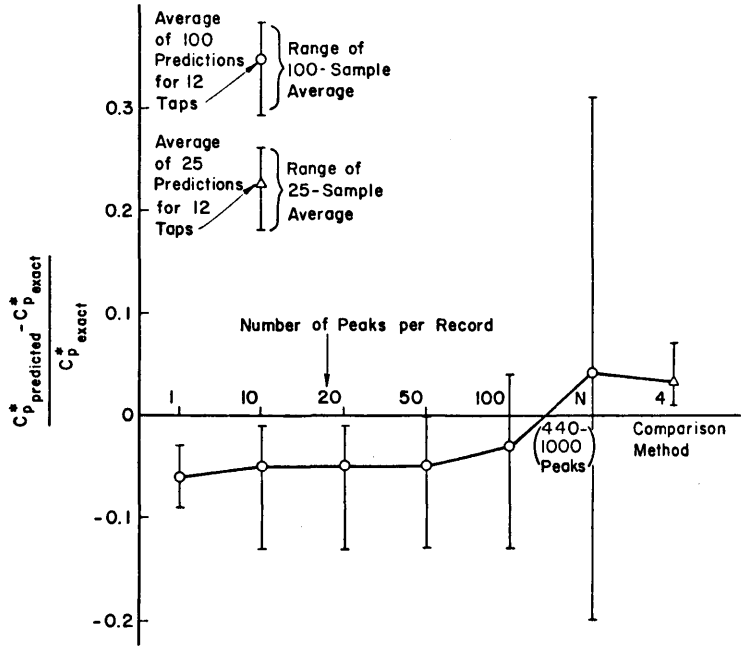

Figure 4. Mean Differences between Predicted and Exact C_p^*

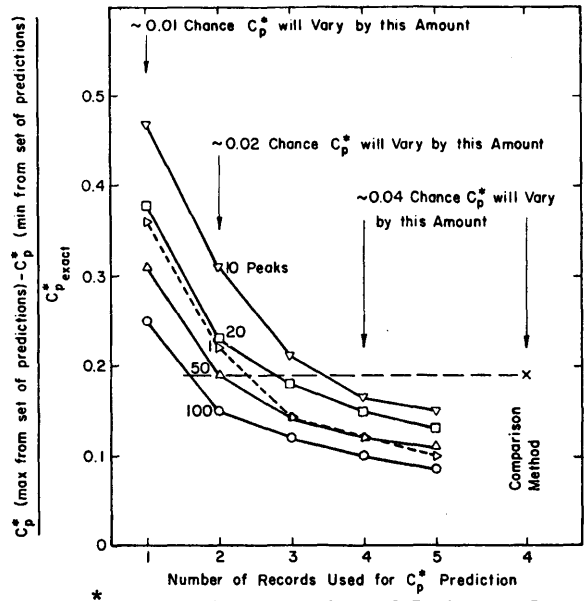

Figure 5. Range of C_p^* as Function of Number of Peaks per Record and Number of Records Used in Prediction of C_p^* (Each Data Point Average of 8 taps with C_p^* 71.0)

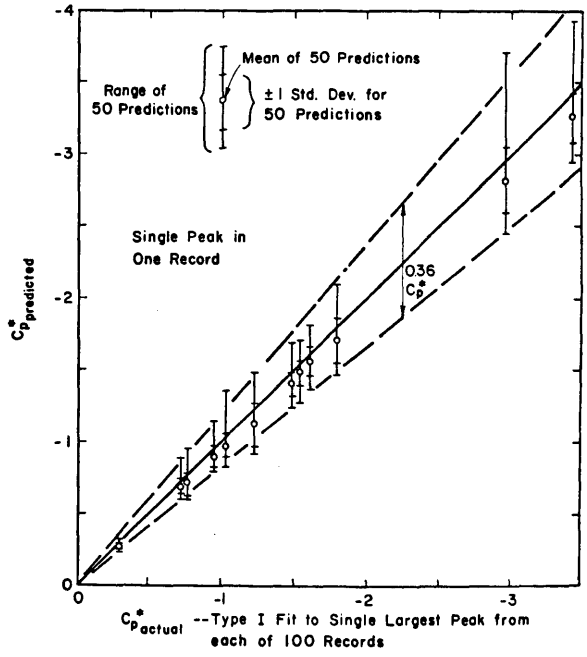

Figure 6. Prediction of C_p^* From Single Largest Peak in a Single Record

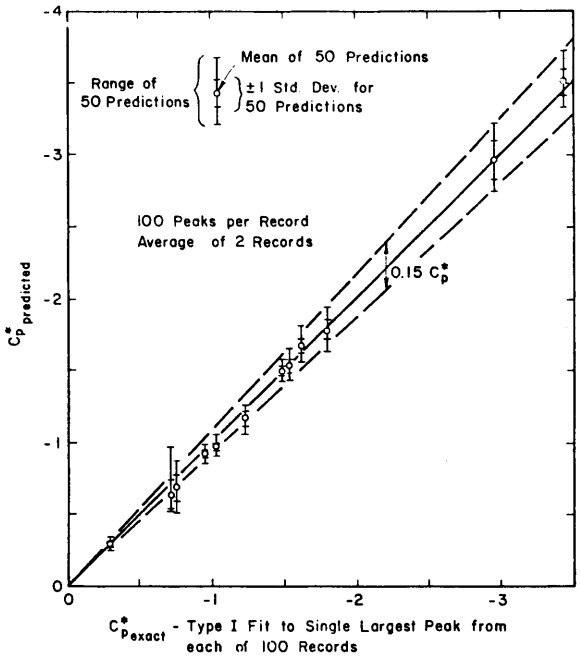

Figure 7. Prediction of C_p^* From 100 Largest Peaks per Record Using Two Records--Results for 50 Independent Predictions