

WIND ENGINEERING STUDY OF
RENAISSANCE CENTER, DETROIT
DATA SUPPLEMENT

by

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for

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December 1974

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CER74-75JAP-JEC5a



U18401 0073990

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WIND ENGINEERING STUDY OF THE RENAISSANCE CENTER, Detroit

Data Supplement

This report consists of six sections describing work completed during the period 20-27 November 1974, at the Fluid Dynamics and Diffusion Laboratory, Colorado State University.

1. Report Corrections - Corrections to the original report are included in this section. A revised Table 6, Minimum Peak Pressure Coefficients, provides data for all tap locations at which valid measurements were obtained. Data points which are different from those in the original report are indicated by a circle next to the tap number. A separate list of corrections to Tables 5, 9, and 10 of the original report and a list of data points to be deleted from Appendix A are also included.
2. Tall Elevators - The flow about the tall elevators of the outer office buildings was carefully examined using flow visualization. A series of wind directions were selected to be rerun for selected pressure tap locations to insure that no locally severe phenomenon had been missed during the initial measurements. Pressure tap locations 13-17, 52-55, 87-90, and 132-135 (Figure 2 of the original report, section 6 of this report) were selected to be rerun for wind directions 100-200 (10 degree increments), 200-240 (2 degree increments) and 240-300 (10 degree increments). This data is included in the section titled Tall Elevators. It is presented in the same format as was used in the original report. Plots of this data for taps 13, 14, 15, 16, 52, 88, and 134 are included. These plots indicate no locally severe pressure fluctuations and

agree well with the data presented in the original report. This data indicates that the 10° increments of wind direction were adequate.

3. Short Elevators - Tap numbers 110-113, 153-156, and 183-186 in the short elevator tower of the outer office building were rerun for the same wind directions used for the tall elevators and also for from 0-30° (5 degree increments). A portion of this data is included on the runs for the tall elevator tower and the remainder is in the section, Short Elevators. This data did not reveal any locally severe pressure fluctuations; therefore, the data provided in the original report is adequate.
4. Elevator Vortex - The effect of any vorticies being formed at the top of the short elevator of the outer office building was investigated using flow visualization. Based upon the results of the flow visualization a series of wind directions and elevator configurations were selected to be examined in detail. The effect of any possible vortex formation on the side of the office building was investigated by taking data at pressure-tap locations 72-77. The height of the short elevator was increased in 1 in. (20 ft full scale) increments from the existing height to 5 in (100 ft) higher than the existing height. The data for the 0 inch addition is included in the section on Short Elevators. The remainder of the data is in the section, Elevator Vortex, with the wind direction and the height of the addition to the elevator listed for each condition. Data was taken for wind directions from 000-030 degrees in 5 degree increments.

Plots of this data are included and indicate a difference in the mean pressure variation for the case of a 5 in. (100 ft) extension to the elevator tower. This case very closely corresponds to the data in the original report for tap numbers 116-121. The placement of this particular tap level (level 3) was selected to observe any effects of the tap of the short elevator and the systematic variation of the elevator height indicates that this initial choice of tap level was adequate. For the taps plotted (72 and 73) there are a few values of the peak minimum which exceed the values included in the original report. The peak minimum values in the original report for some of the taps occurred at different wind directions than were tested in the reruns.

The effect of the short elevator of the office building on the center building was also examined using flow visualization. There were no regions of severe fluctuations observed, but a series of wind directions were selected to verify this conclusion. The most significant effects were found from the flow visualization to occur, for instance, from the short elevator tower T3 creating a flow impinging on the center building in the region of taps 42-46 (Figure 2 original report). Taps 41, 42 and 45 were monitored for wind directions 255-280° (5 degree increments). These cases were run for the present elevator height, a 1 in. (20 ft) addition, and a 2 in. (40 ft) addition. No significant fluctuations or high negative pressures were observed for this region.

5. Center Building - In order to insure no local effects had been missed in the regions of large negative pressures on the center building, taps 17 and 27 were rerun for wind directions 050-060

(2 degree increments), 060-070 (1 degree increments) and 070-080 (2 degree increments). Plots of this data including comparison with the data from the original report are included. These plots show that the variation of the mean, rms, and peak minimum pressure coefficients with angle are quite gradual. The values of the peak minimum are larger negative numbers in some cases than were given in the original report. This is due to the fact that the sensitivity of the measurement system was reduced slightly for the reruns in order to observe the largest peaks. For these two taps in the initial data, there were a few cases in which the range of the measurement system was reached (a peak minimum of -3.1). This range was extended to -5 for the reruns and hence a few points are seen larger in magnitude than was reported in the original report. These differences were generally less than 10 percent.

6. Pressure Tap Locations - The figures from the original report showing tap locations are included in this portion of this report to facilitate interpretation of the results.

SECTION 1
REPORT CORRECTIONS

Table 6

Wind Engineering Study of the Renaissance Center, Detroit
Center Building
Minimum Peak Pressure Coefficients Based on All Wind Directions Tested

Tap Number	Wind Direction	Mean Pressure Coefficient	RMS Pressure Coefficient	Maximum Pressure Coefficient	Minimum Pressure Coefficient
○ 1	90	- .784	.100	- .396	-1.362
2	No Data Available for this Tap Location				
3	296	-1.508	.139	- .749	-1.958
4	210	- 9.49	.188	- .270	-1.795
5	50	-1.278	.125	- .755	-1.875
6	110	-1.410	.150	- .800	-1.981
7	250	-1.909	.351	- .658	-2.692
8	50	-1.164	.352	- .367	-2.320
9	40	- .718	.212	- .212	-2.484
10	30	- .615	.164	- .175	-2.220
11	306	-1.571	.201	- .550	-2.131
12	306	- .758	.278	- .098	-3.003
13	296	- .587	.187	- .002	-2.964
14	286	-1.466	.173	- .952	-2.110
15	110	-1.127	.126	- .714	-1.655
16	106	- .884	.334	- .168	-2.638
○ 17	58	-2.236	.361	- .806	-3.284
18	40	-1.710	.289	- .565	-2.841
19	30	-1.203	.296	- .087	-2.221
20	30	- .847	.303	- .068	-2.632
21	306	-1.571	.265	- .645	-2.404
22	90	- .904	.243	.263	-1.953
23	100	-1.024	.259	.040	-2.137
24	110	- .784	.346	- .109	-2.241
25	110	-1.149	.425	- .276	-2.496
26	100	-1.551	.449	- .149	-2.962
○ 27	70	-2.182	.303	- .825	-3.480
28	240	-1.904	.207	-1.310	-2.749
○ 29	170	-1.293	.229	- .463	-2.119
○ 30	150	-1.385	.234	- .373	-2.376
○ 31	320	-1.104	.223	- .392	-1.921
○ 32	90	- .857	.313	.357	-1.979
33	90	- .868	.232	.266	-1.881
○ 34	90	- .824	.211	.214	-1.659
35	90	- .901	.243	- .047	-2.283
36	210	-1.323	.435	.432	-2.848
37	70	-1.629	.392	- .303	-2.912
38	230	-1.612	.254	- .652	-2.586
39	170	-1.016	.318	.010	-2.239
40	150	-1.294	.263	- .019	-2.521

○ Denotes correction to data in original report

Table 6 Continued

Wind Engineering Study of the Renaissance Center, Detroit
Center Building
Minimum Peak Pressure Coefficients Based on All Wind Directions Tested

Tap Number	Wind Direction	Mean Pressure Coefficient	RMS Pressure Coefficient	Maximum Pressure Coefficient	Minimum Pressure Coefficient
○ 41	160	-1.073	.264	- .078	-1.924
42	80	- .706	.232	.253	-1.646
43	80	- .812	.199	.391	-1.592
44	80	- .797	.175	- .099	-1.511
45	80	- .944	.277	.103	-2.480
46	220	-1.382	.440	.098	-2.830
47	240	-1.431	.299	- .467	-2.546
48	240	-1.616	.268	- .749	-2.568
○ 49	170	- .855	.216	- .204	-1.764
50	160	-1.177	.230	- .332	-2.181
51	160	-1.098	.194	- .438	-1.842
52	350	- .275	.104	.072	-1.211
53	300	- .535	.168	- .016	-1.126
54	300	- .648	.193	.031	-1.247
55	80	- .563	.190	- .009	-1.553
56	230	- .502	.161	- .147	-1.898
57	230	- .757	.325	- .227	-2.499
58	230	-1.406	.273	- .375	-2.492
59	320	- .994	.205	- .413	-1.820
60	320	- .939	.212	- .308	-1.828
61	150	- .906	.132	- .538	-1.495
○ 62		No Data Available for this Tap Location			
63	80	- .386	.145	.214	- .996
64	80	- .394	.122	- .001	- .879
○ 65	80	- .463	.146	.108	-1.129
66	220	- .125	.154	.213	- .846
○ 67		No Data Available for this Tap Location			
68	150	- .674	.108	- .362	-1.127
○ 69		No Data Available for this Tap Location			
70	250	- .445	.137	.219	-1.340
71	286	- .905	.169	- .362	-1.526
72	240	- .717	.175	- .226	-1.499

Table 6 Continued

Wind Engineering Study of the Renaissance Center, Detroit
Outer Building
Minimum Peak Pressure Coefficients Based on All Wind Directions Tested

Tap Number	Wind Direction	Mean Pressure Coefficient	RMS Pressure Coefficient	Maximum Pressure Coefficient	Minimum Pressure Coefficient
○ 1	170	- .843	.094	-.451	-1.254
2	180	- .787	.134	-.261	-1.387
3	250	- .715	.148	-.025	-1.477
○ 4	180	- .830	.079	-.432	-1.156
5	280	- .707	.222	.147	-1.661
6	0	- .613	.113	-.157	-1.269
7	260	- .452	.200	.123	-1.336
8	250	- .715	.135	-.159	-1.473
9	280	- .712	.214	.047	-1.706
10	296	.003	.186	.767	-1.284
11	250	- .509	.240	.367	-1.380
12	220	- .578	.177	-.065	-1.546
○ 13	236	- .168	.219	.822	-1.517
○ 14	230	- .676	.492	.700	-2.775
15	186	- .863	.251	.022	-1.970
○ 16	180	-1.084	.146	-.649	-2.328
○ 17	180	- .934	.111	-.522	-1.455
18	180	- .880	.116	-.418	-1.381
19	180	- .900	.128	-.430	-1.495
○ 20	20	- .575	.207	.027	-1.431
○ 21	20	- .651	.155	-.127	-1.377
22	190	- .582	.124	.021	-1.210
23	20	- .780	.099	-.490	-1.202
24	20	- .842	.109	-.488	-1.341
25	180	- .579	.113	-.259	-1.162
26	190	- .459	.110	-.083	-.992
27	330	- .773	.192	-.116	-1.517
28	310	- .634	.117	-.212	-1.108
29	270	- .418	.081	-.159	-.938
30	290	- .405	.136	-.030	-1.371
31	290	- .493	.168	-.012	-1.342
32	310	- .762	.202	-.088	-1.707
33	300	- .856	.208	-.186	-1.801
34	290	- .490	.179	.148	-1.256
35	220	- .659	.200	-.020	-1.717
36	20	-1.046	.151	-.539	-1.862
37	10	- .742	.265	.247	-1.574
38	200	- .722	.155	-.175	-1.724
○ 39	200	- .743	.169	-.190	-1.650
○ 40	200	- .814	.216	-.284	-1.747

Table 6 Continued

Wind Engineering Study of the Renaissance Center, Detroit
Outer Building
Minimum Peak Pressure Coefficients Based on All Wind Directions Tested

Tap Number	Wind Direction	Mean Pressure Coefficient	RMS Pressure Coefficient	Maximum Pressure Coefficient	Minimum Pressure Coefficient
○ 41	210	-1.010	.253	.408	-1.872
42	300	- .782	.320	.491	-2.316
43	290	- .443	.322	.609	-1.884
44	280	- .377	.273	.836	-1.646
○ 45	280	- .715	.178	- .257	-2.001
46	296	- .506	.177	.092	-1.447
47	300	- .437	.146	- .120	-1.349
48	300	- .379	.124	.077	-1.183
49	320	- .305	.108	.065	-1.210
50	100	- .314	.073	- .125	- .882
51	40	- .512	.067	- .330	-1.000
52	80	- .318	.076	- .058	-1.239
53	230	- .795	.302	.159	-2.380
54	210	- .703	.255	- .133	-1.957
○ 55	212	- .718	.237	- .178	-2.479
○ 56	180	- .764	.102	- .459	-1.885
57	196	- .419	.166	- .004	-1.679
○ 58	200	- .520	.119	- .206	-1.507
59	190	- .588	.148	.086	-1.404
60	190	- .606	.157	.141	-1.346
61	190	- .613	.161	.043	-1.378
62	190	- .591	.180	.036	-1.378
63	190	- .485	.150	.045	-1.054
64	310	- .420	.161	.128	-1.248
65	300	- .495	.236	.241	-1.500
66	300	- .622	.222	.313	-1.622
67	300	- .766	.202	- .073	-1.519
68	290	- .414	.173	.048	-1.181
69	290	- .521	.217	.043	-1.384
70	310	- .774	.258	.025	-1.691
71	310	- .749	.226	.106	-1.557
72	20	-1.063	.205	- .226	-1.948
○ 73	20	- .852	.239	.166	-1.658
74	200	- .741	.229	- .065	-1.826
75	210	- .570	.255	.419	-1.668
76	210	- .708	.338	.261	-2.016
77	210	- .952	.430	1.046	-2.370
78	310	- .766	.313	.381	-2.373
79	320	- .606	.337	.688	-2.028
80	310	- .535	.205	.320	-1.657

Table 6 Continued

Wind Engineering Study of the Renaissance Center, Detroit
Outer Building
Minimum Peak Pressure Coefficients Based on All Wind Directions Tested

Tap Number	Wind Direction	Mean Pressure Coefficient	RMS Pressure Coefficient	Maximum Pressure Coefficient	Minimum Pressure Coefficient
○ 81	280	- .765	.170	- .286	-1.581
82	290	- .585	.159	- .093	-1.509
83	300	- .486	.171	.009	-1.383
○ 84	300	- .438	.160	.127	-1.441
85	300	- .376	.136	.102	-1.053
86	100	- .272	.104	.048	-1.176
87	116	- .187	.158	.173	-1.169
88	220	- .291	.339	.817	-1.681
89	210	- .634	.254	- .156	-2.052
90	180	- .805	.134	- .492	-1.592
91	216	- .317	.175	.047	-1.790
92	180	- .741	.114	- .388	-1.226
○ 93	20	- .536	.204	.029	-1.542
94	20	- .565	.161	- .035	-1.492
95	190	- .594	.152	- .088	-1.349
96	190	- .605	.160	.019	-1.273
97	190	- .596	.164	- .009	-1.388
98	190	- .559	.175	- .021	-1.482
99	190	- .456	.147	- .025	-1.114
100	190	- .464	.122	- .089	-1.083
101	190	- .506	.137	- .125	-1.429
102	300	- .390	.215	.368	-1.287
103	310	- .281	.116	.286	- .826
○ 104	300	- .494	.181	.166	-1.218
105	310	- .369	.175	.128	-1.079
106	310	- .549	.225	.104	-1.606
○ 107	No Data Available for this Tap				
○ 108	310	- .605	.230	.238	-1.506
109	290	- .626	.253	- .044	-1.823
○ 110	290	- .878	.290	- .175	-2.520
○ 111	280	- .962	.312	- .099	-2.419
112	40	- .915	.215	- .507	-2.138
○ 113	10	- .902	.281	- .091	-2.594
○ 114	10	- .619	.216	.231	-1.512
115	20	- .636	.255	.698	-1.655
116	200	- .575	.246	.186	-1.921
○ 117	200	- .620	.201	- .035	-1.481
118	200	- .704	.212	- .043	-1.709
119	200	- .750	.211	.095	-1.680
120	200	- .818	.203	- .196	-1.793

Table 6 Continued

Wind Engineering Study of the Renaissance Center, Detroit
Outer Building
Minimum Peak Pressure Coefficients Based on All Wind Directions Tested

Tap Number	Wind Direction	Mean Pressure Coefficient	RMS Pressure Coefficient	Maximum Pressure Coefficient	Minimum Pressure Coefficient
121	200	- .866	.212	- .385	-2.021
122	310	- .802	.261	.033	-1.970
123	300	- .655	.289	.238	-1.742
124	310	- .542	.204	.072	-1.491
○ 125	280	- .683	.152	- .318	-1.445
126	310	- .522	.172	.016	-1.366
127	300	- .476	.130	- .082	-1.019
128	310	- .412	.165	.060	-1.316
129	310	- .375	.141	.066	-1.434
130	120	- .380	.156	.414	-1.024
131	110	- .316	.129	- .010	-1.117
○ 132		No Data Available for this Tap Location			
○ 133		No Data Available for this Tap Location			
134	190	- .914	.214	- .296	-1.671
135	190	- .693	.151	- .268	-1.747
136	220	- .315	.083	.004	-1.517
○ 137	20	- .517	.196	.152	-1.282
○ 138	190	- .653	.127	- .051	-1.169
○ 139	200	- .436	.115	.081	-1.182
○ 140	190	- .584	.138	.006	-1.208
141	20	- .653	.117	- .334	-1.369
○ 142	20	- .693	.126	- .354	-1.680
143	200	- .430	.126	- .050	-1.126
○ 144	190	- .429	.104	- .077	- .940
145	10	- .664	.165	- .219	-1.446
146	300	- .439	.132	.170	-1.011
147	300	- .428	.123	- .020	-1.006
148	290	- .337	.140	.101	-1.179
149	290	- .394	.166	.101	-1.161
150	310	- .660	.143	.130	-1.407
151	290	- .440	.186	.168	-1.309
152	280	- .693	.152	- .252	-1.463
153	280	- .794	.180	- .371	-1.595
○ 154	280	-1.197	.278	- .336	-2.264
155	30	- .841	.240	- .403	-1.972
156	50	- .720	.131	- .341	-1.785
157	200	- .369	.217	.622	-1.349
158	20	- .627	.196	.154	-1.447
○ 159	30	- .744	.158	.244	-1.361
160	200	- .652	.193	- .052	-1.402

Table 6 Continued

Wind Engineering Study of the Renaissance Center, Detroit
Outer Building
Minimum Peak Pressure Coefficients Based on All Wind Directions Tested

Tap Number	Wind Direction	Mean Pressure Coefficient	RMS Pressure Coefficient	Maximum Pressure Coefficient	Minimum Pressure Coefficient
161	200	- .700	.165	- .025	-1.489
162	210	- .692	.144	- .220	-1.475
○ 163	200	- .842	.157	- .379	-1.608
164	320	- .632	.221	- .105	-1.637
165	290	- .667	.184	- .069	-1.610
166	340	- .532	.150	- .019	-1.566
167	340	- .498	.136	- .097	-1.610
168	340	- .487	.145	- .082	-1.746
169	310	- .417	.159	.104	-1.162
170	320	- .379	.133	.001	-1.006
171	310	- .373	.105	.006	- .956
172	110	- .331	.130	.016	-1.186
173	110	- .349	.148	- .065	-1.132
174	80	- .223	.095	.057	- .969
175	200	- .827	.189	- .224	-1.587
176	180	- .763	.127	- .434	-1.325
177	180	- .707	.118	- .344	-1.149
178	190	- .617	.125	- .341	-1.218
179	10	- .582	.121	- .311	-1.275
180	310	- .436	.073	- .186	- .805
181	280	- .305	.134	.152	-1.026
182	280	- .646	.145	- .160	-1.504
183	280	- .834	.196	- .422	-1.735
○ 184	290	- .904	.217	- .347	-2.317
185	50	-1.097	.279	- .583	-2.395
186	50	- .827	.211	- .412	-2.194
○ 187	50	- .822	.156	- .386	-1.736
○ 188	50	- .788	.153	- .170	-1.464
○ 189		No Data Available at this Tap Location			
190	40	- .357	.206	.388	-1.202
191	140	- .296	.115	.144	-1.036
192	140	- .429	.121	.280	-1.362
193	210	- .708	.168	- .154	-1.513
194	200	- .789	.153	- .416	-1.407
195	160	- .625	.080	- .388	- .990
196	280	- .564	.134	- .103	-1.283
197	210	- .374	.141	.013	-1.202
198	280	- .631	.109	- .329	-1.205
199	290	- .542	.148	- .148	-1.399
○ 200	200	- .623	.098	- .302	-1.195
201	330	- .303	.114	- .011	-1.170
202	280	- .437	.073	- .221	- .990
203	280	- .465	.079	- .207	- .875
204	110	- .255	.132	.110	- .840

Corrections to Renaissance Center Report

Tap Number	Wind Direction	Mean Pressure Coefficient	RMS Pressure Coefficient	Maximum Pressure Coefficient	Maximum Pressure Coefficient
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Table 5, pg. 41

65		No Data Available at this Tap Location			
67		No Data Available at this Tap Location			
69		No Data Available at this Tap Location			

Table 5, pg. 45

132		No Data Available at this Tap Location			
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Table 5, pg. 47

185	50	-1.097	.274	-.583	-2.395
186	50	-.827	.211	-.412	-2.194
187	50	-.822	.156	-.386	-1.736

Tap Number	Wind Direction	Mean Pressure Load (lbs)	RMS Pressure Load (lbs)	Peak Minimum Load (lbs)	Peak Minimum Load (lbs)
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Table 9, pg. 73

62		No Data Available for this Tap Location			
65		No Data Available for this Tap Location			
67		No Data Available for this Tap Location			
69		No Data Available for this Tap Location			

Table 9, p. 77

132		No Data Available for this Tap Location			
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Table 10, pg. 80

1	90	-23.52	3	-11.88	-40.86
17	58	-67.08	10.83	-24.18	-98.52
27	70	-65.46	9.09	-24.75	-104.4
29	170	-38.79	6.87	-13.89	-63.57
30	290	-41.55	7.02	-11.19	-71.28
31	320	-33.12	6.69	-11.76	-57.63
32	90	-25.71	9.39	10.71	-59.37
34	90	-24.72	6.33	6.42	-49.77

Table 10, pg. 81

41	160	-32.28	7.92	-2.34	-57.72
49	170	-25.65	6.48	-6.12	-52.39
62		No Data Available for this Tap Location			
65	80	-13.86	4.38	3.24	-33.87
67		No Data Available for this Tap Location			
69		No Data Available for this Tap Location			

Table 10, pg. 82

1	170	-25.29	2.82	-13.53	-37.62
4	180	-24.90	2.37	-12.96	-34.68
13	236	-5.04	6.57	24.66	-45.51
14	230	-20.28	14.76	21.00	-83.25
16	180	-32.52	4.38	-19.47	-69.84
17	180	-28.02	3.33	-15.66	-43.65
18	180	-26.40	3.48	-12.54	-41.43
20	20	-17.25	6.21	.81	-42.93
21	20	-19.53	4.65	-3.81	-41.31

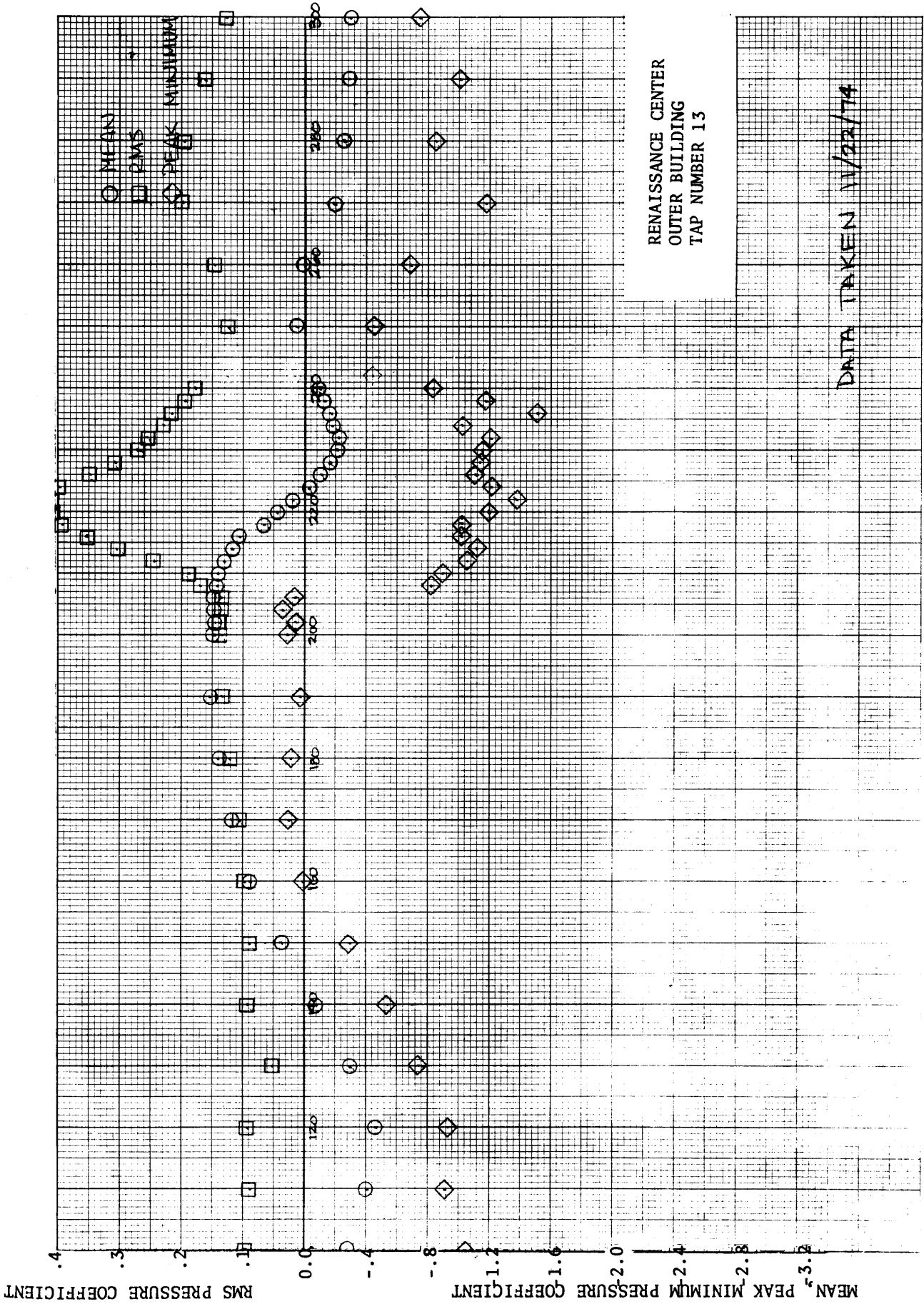
Corrections to Renaissance Center Report

Tap Number	Wind Direction	Mean Pressure Load (lbs)	RMS Pressure Load (lbs)	Peak Minimum Load (lbs)	Peak Minimum Load (lbs)
Table 10, pg. 83					
39	200	-22.29	5.07	- 5.70	- 49.50
40	200	-24.42	6.48	- 8.52	- 52.41
41	210	-30.3	7.59	12.24	- 56.16
45	280	-21.45	5.34	- 7.71	- 60.03
55	212	-21.54	7.11	- 5.34	- 74.73
56	180	-22.92	3.06	-13.77	- 56.55
58	200	-15.60	3.57	- 6.18	- 45.21
Table 10, pg. 84					
73	20	-25.26	7.17	4.98	- 49.74
81	280	-22.95	5.10	- 8.58	- 47.43
84	300	-13.14	4.80	3.81	- 43.23
93	20	-16.08	6.12	.87	- 46.26
Table 10, pg. 85					
104	300	-14.82	5.43	4.98	- 36.54
107		No Data Available for this Tap Location			
108	310	-18.15	6.90	7.14	- 31.80
110	290	-26.34	8.70	- 5.25	- 76.60
111	280	-28.86	9.36	- 2.97	- 72.57
113	10	-27.06	8.43	- 2.73	- 77.82
114	10	-18.57	6.48	6.93	- 45.36
117	200	-18.60	6.03	- 1.05	- 44.43
125	280	-20.49	4.56	- 9.54	- 43.45
132		No Data Available for this Tap Location			
133		No Data Available for this Tap Location			
Table 10, pg. 86					
137	20	-15.51	5.88	4.56	- 38.46
138	190	-19.59	3.81	- 1.53	- 35.07
139	200	-13.80	3.45	2.43	- 35.46
140	190	-17.52	4.14	.18	- 36.24
142	20	-20.79	3.78	-10.62	- 50.40
144	190	-12.87	3.12	- 2.31	- 28.20
154	280	-35.91	8.34	-10.08	- 67.92
159	30	-22.32	4.74	7.23	- 40.83
163	200	-25.26	4.71	-11.37	- 48.24
Table 10, pg. 87					
184	290	-27.12	6.51	-10.41	- 69.51
187	50	-24.66	4.68	-11.58	- 52.08
188	50	-23.64	4.59	5.10	- 43.92
189		No Data Available for this Tap Location			
200	200	-18.69	2.94	- 9.06	- 35.85

Data Points in Appendix A Which Are Not Valid

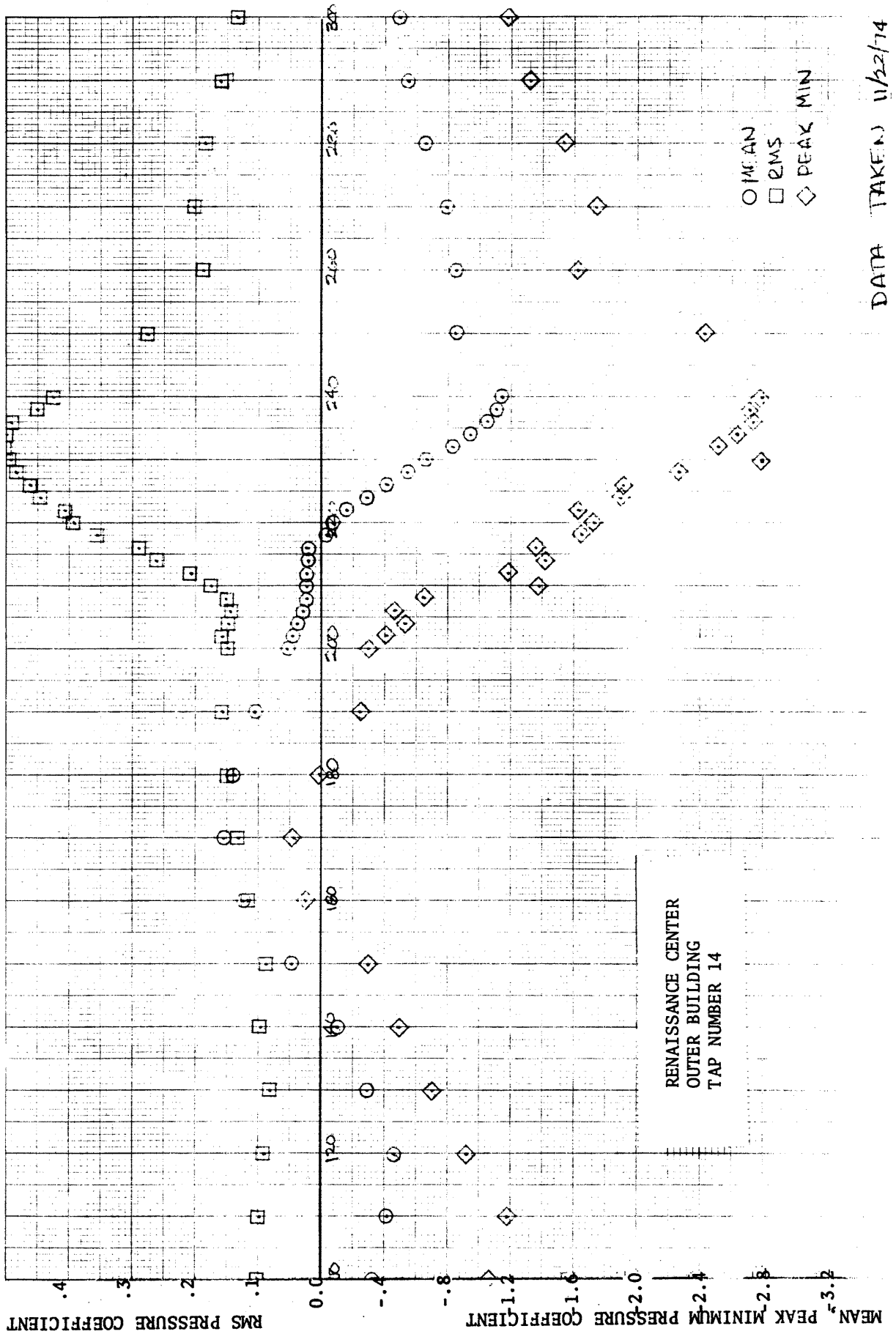
<u>Page</u>	<u>Wind</u>	<u>Tap</u>
135	120	29
135	120	30
135	120	31
135	120	32
152	290	29
152	290	30
152	290	31
152	290	32
159	96	62
163	286	34
163	286	41
163	286	65
163	286	67
163	286	69
164	296	49
165	306	32
165	306	69
222	180	137
222	180	138
251	280	132
251	280	133
252	280	189
265	330	18
310	286	35
310	286	36
310	286	37
310	286	38
310	286	39
310	286	40
310	286	41
310	286	42
165	306	1

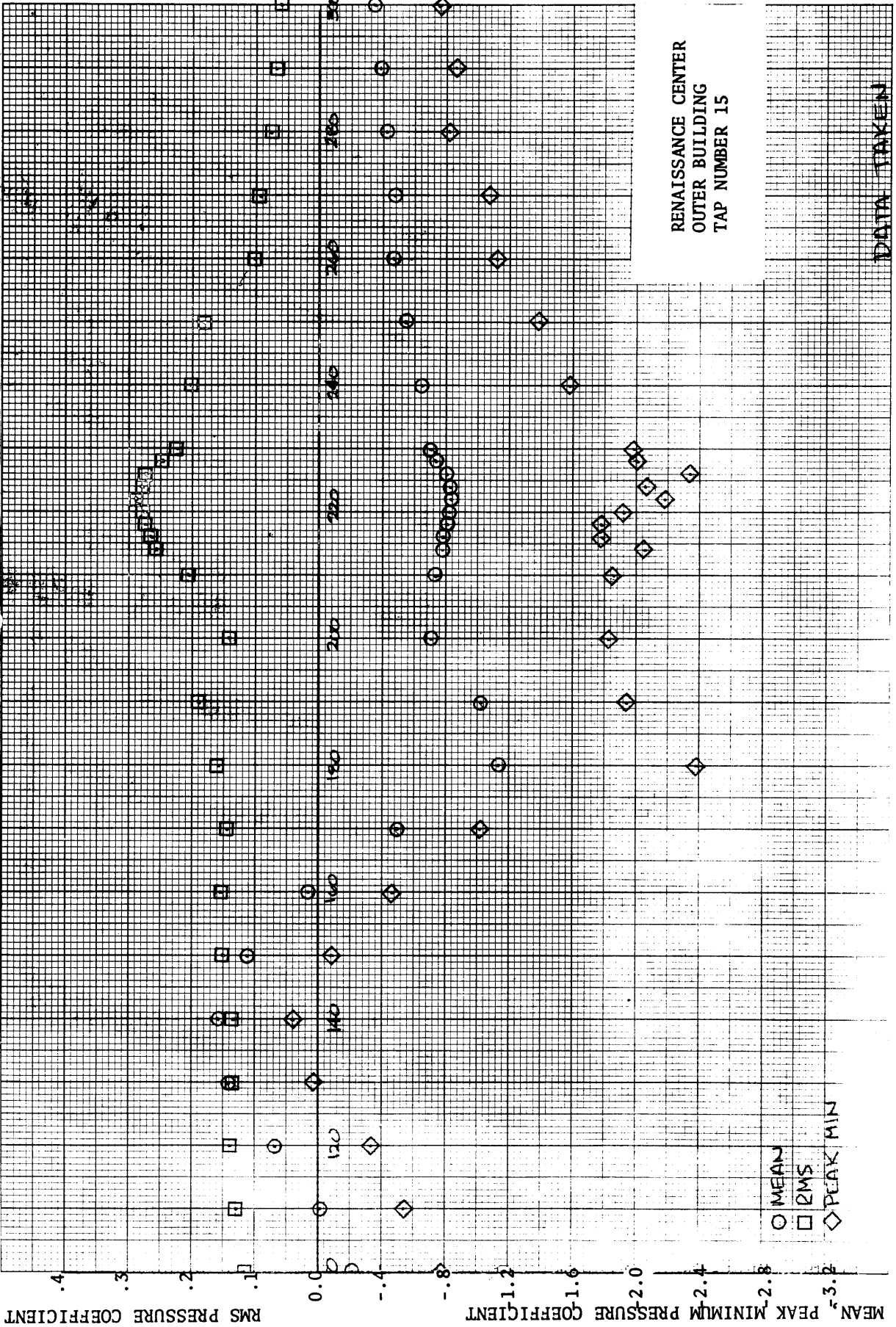
SECTION 2
TALL ELEVATORS



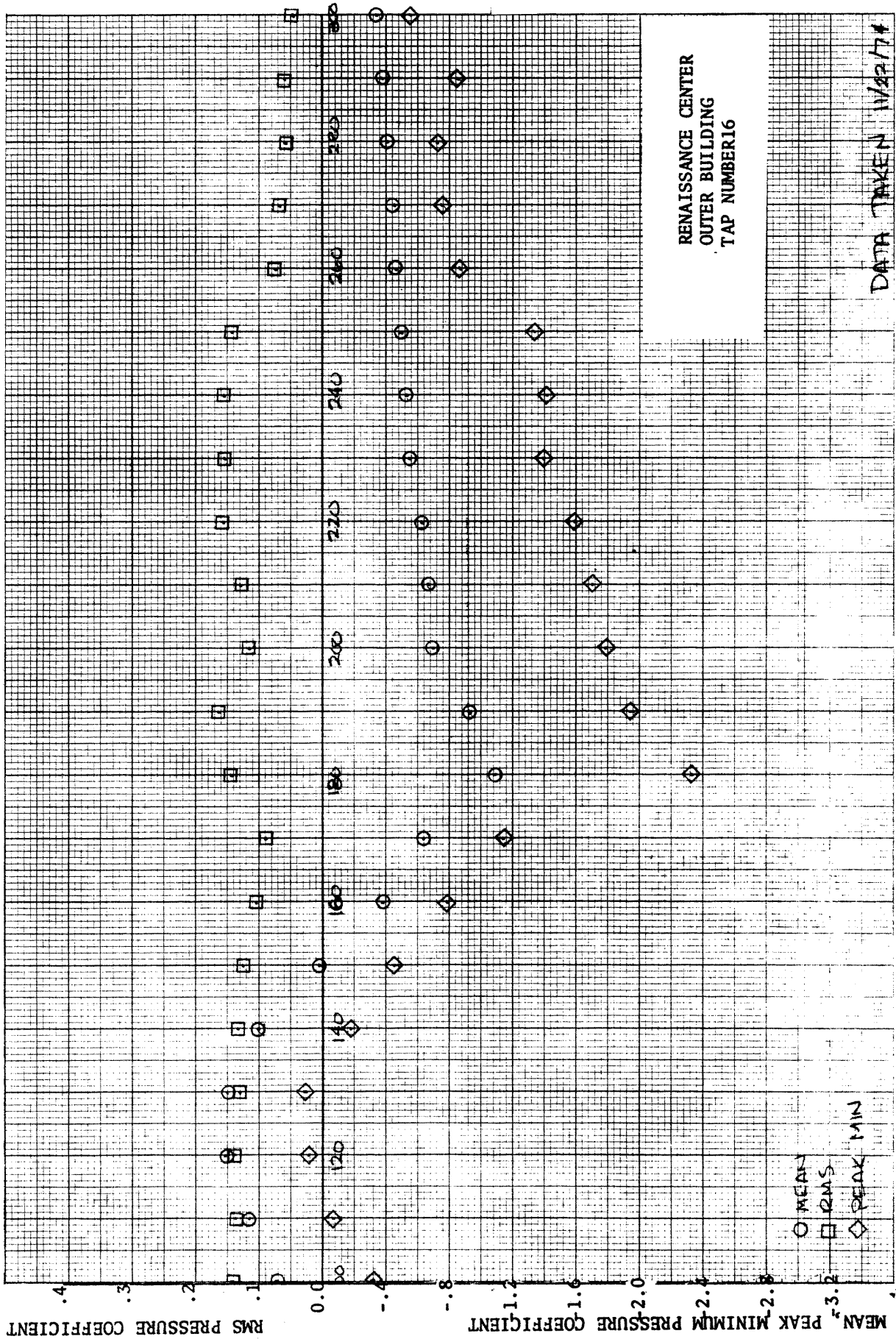
RENAISSANCE CENTER
OUTER BUILDING
TAP NUMBER 13

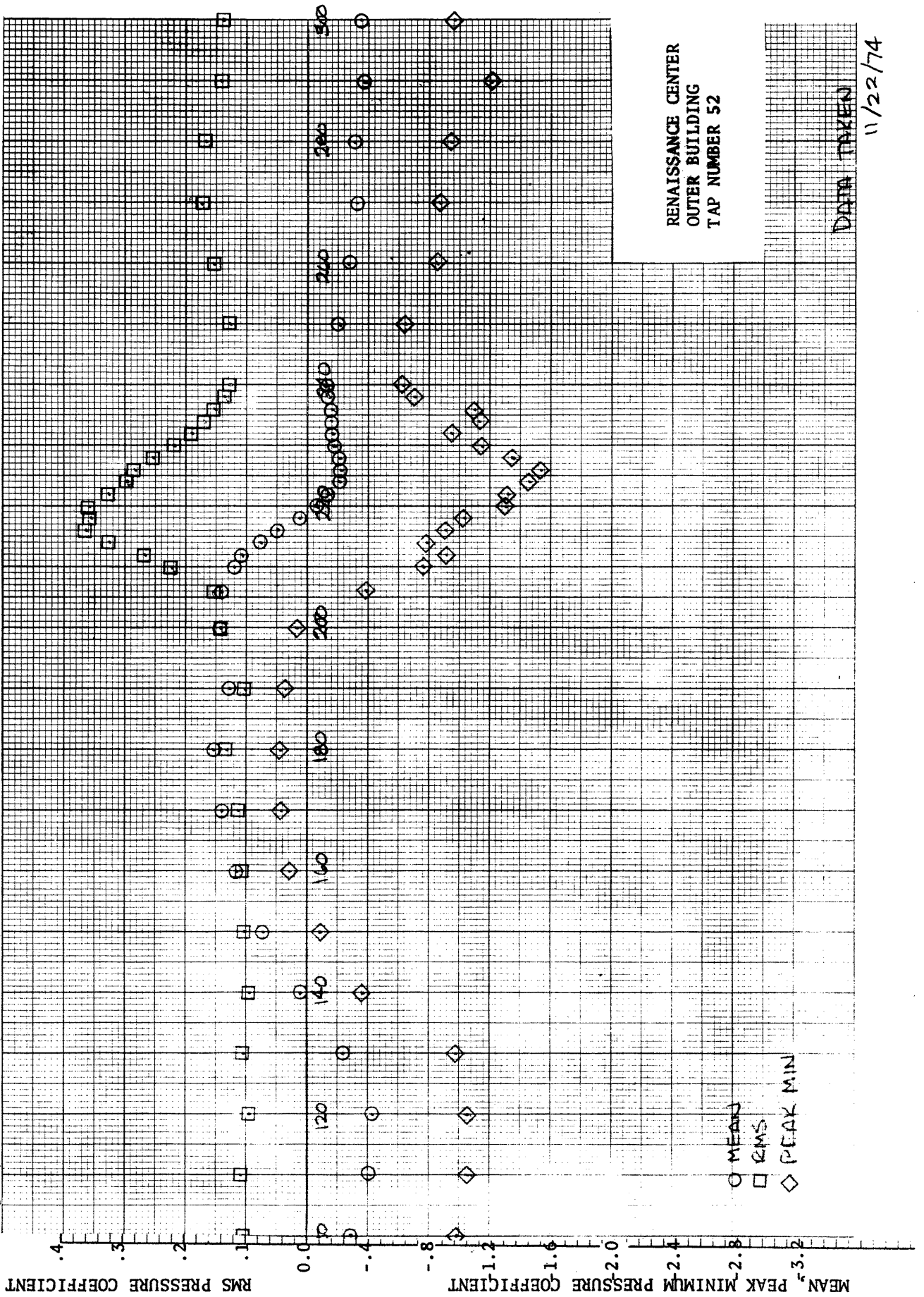
DATA TAKEN 11/22/74

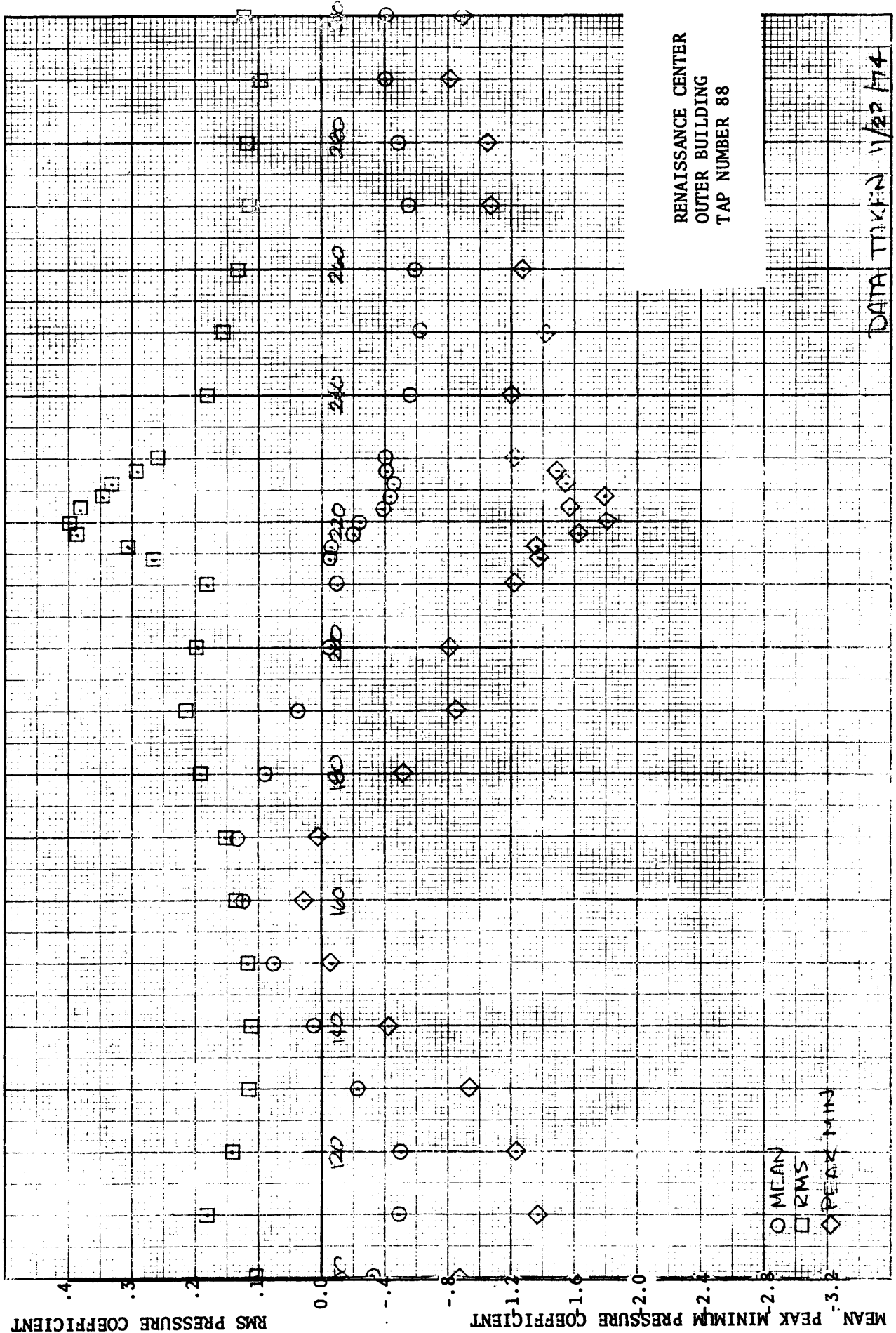


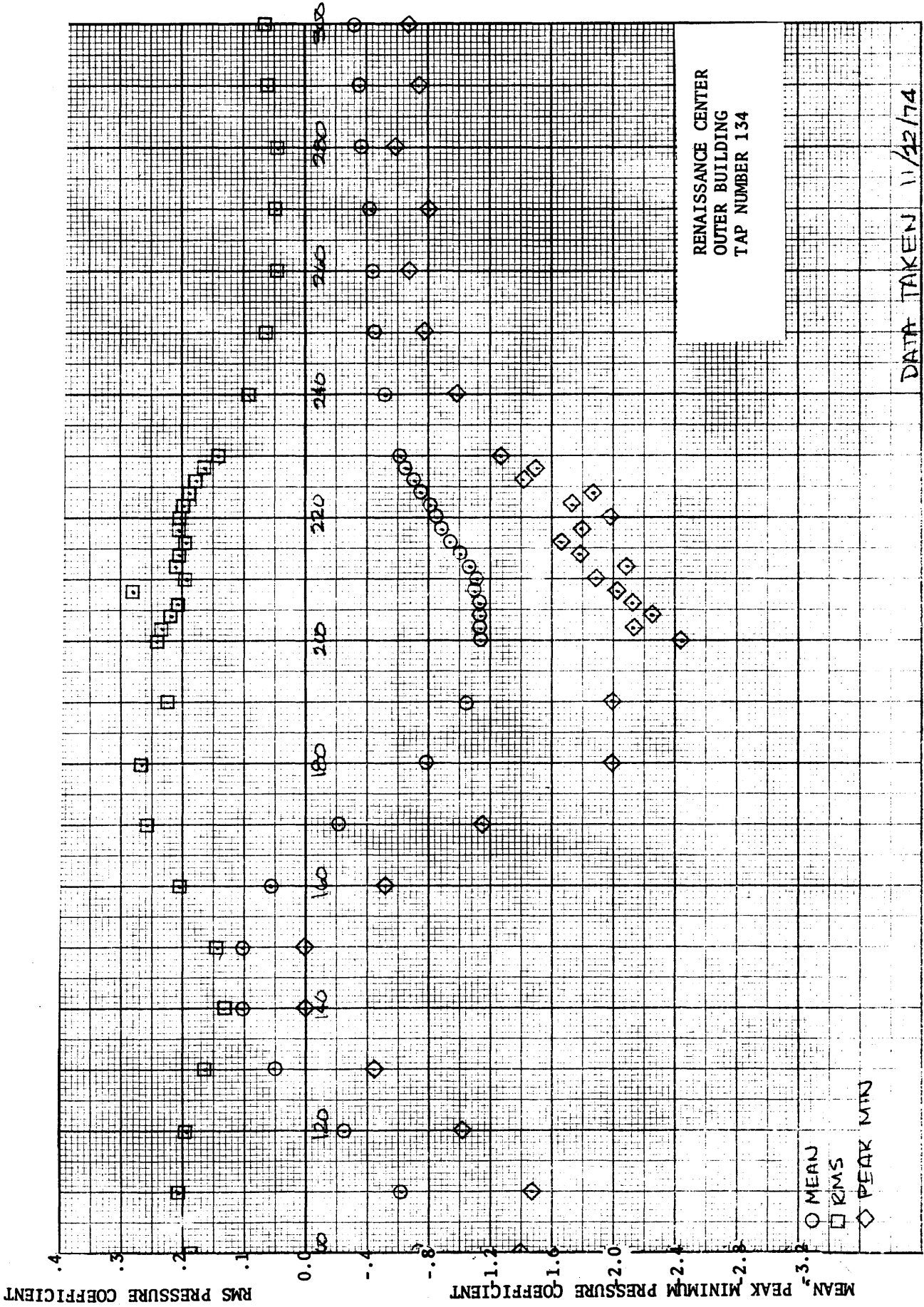


11/22/74









RERUNS OF RENAISSANCE CENTER 24
 ELEVATORS-OUTER BUILDING
 NOV. 1974

WIND DIRECTION 100 TEMPERATURE 77.40 DEGREES F
 BAROMETRIC PRESS 24.46 IN HG VELOCITY 55.66 FPS

PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
13	-.323	.092	.024	-1.057
14	-.323	.100	.011	-1.071
15	-.207	.119	.131	-.786
16	.289	.141	.732	-.318
52	-.290	.103	.053	-.996
53	-.299	.108	.070	-.871
54	-.308	.140	.280	-.898
55				
87				
88	-.320	.103	-.046	-.869
89	-.341	.158	.124	-1.066
90	.055	.166	.553	-.642
132	-.299	.075	-.094	-.734
133	-.326	.084	-.117	-.882
134	-.725	.187	-.106	-1.400
135	-.041	.179	.488	-.657
110	-.026	.122	.460	-.530
111	-.352	.136	.080	-.912
112	-.201	.080	.056	-.692
113	-.184	.058	.003	-.416
153	-.063	.092	.356	-.416
154	-.311	.123	.015	-.902
155	-.171	.066	.058	-.529
156	-.162	.048	.063	-.343
183	-.070	.076	.347	-.474
184	-.343	.128	-.035	-.919
185	-.206	.078	.027	-.627
186	-.209	.062	.108	-.691

REFRONS OF RENAISSANCE CENTER
 ELEVATORS-OUTER BUILDING
 NOV. 1974

25

WIND DIRECTION 110 TEMPERATURE 74.80 DEGREES F
 BAROMETRIC PRESS 24.46 IN HG VELOCITY 55.50 FPS

PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
13	-.405	.084	-.108	-.911
14	-.420	.099	-.168	-1.180
15	-.011	.130	.398	-.549
16	.472	.134	.886	-.076
52	-.407	.110	-.086	-1.038
53	-.424	.113	-.130	-1.256
54	-.194	.152	.434	-.760
55				
87				
88	-.487	.183	-.125	-1.376
89	-.296	.190	.317	-1.159
90	.204	.174	.718	-.520
132	-.372	.114	-.052	-.915
133	-.420	.128	-.066	-.957
134	-.613	.209	.021	-1.474
135	.133	.160	.666	-.608
110	-.084	.163	.510	-.707
111	-.151	.127	.273	-.990
112	-.106	.096	.307	-.665
113	-.097	.079	.284	-.466
153	-.053	.124	.517	-.531
154	-.124	.093	.176	-.622
155	-.074	.065	.138	-.359
156	-.077	.067	.300	-1.784
183	-.004	.044	.524	-.303
184	-.183	.097	.077	-.683
185	-.102	.059	.093	-.408
186	-.097	.061	.162	-.372

RERUNS OF RENAISSANCE CENTER 26
 ELEVATORS-OUTER BUILDING
 NOV. 1974

WIND DIRECTION 120 TEMPERATURE 75.00 DEGREES F
 BAROMETRIC PRESS 24.46 IN HG VELOCITY 55.41 FPS

PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
13	-.465	.091	-.157	-.934
14	-.463	.092	-.174	-1.200
15	.278	.140	.770	-.331
16	.609	.139	.986	.083
52	-.435	.095	-.024	-1.061
53	-.443	.099	-.146	-1.077
54	.114	.159	.660	-.639
55	.520	.138	.958	.051
87				
88	-.494	.142	-.123	-1.228
89	.061	.190	.685	-.732
90	.272	.035	.348	.203
132	-.365	.122	-.030	-.921
133	-.486	.134	-.102	-1.198
134	-.248	.194	.456	-1.027
135	.337	.148	.807	-.257
110	-.240	.091	.192	-.695
111	-.214	.088	.161	-.593
112	-.182	.068	.072	-.660
113	-.190	.063	.024	-.469
153	-.183	.130	.326	-.605
154	-.155	.101	.182	-.543
155	-.137	.091	.157	-.538
156	-.149	.070	.096	-.456
183	-.079	.122	.406	-.564
184	-.141	.091	.102	-.706
185	-.096	.051	.103	-.366
186	-.080	.058	.127	-.309

RERUNS OF RENAISSANCE CENTER 27
 ELEVATORS-OUTER BUILDING
 NOV. 1974

WIND DIRECTION 130 TEMPERATURE 75.20 DEGREES F
 BAROMETRIC PRESS 24.46 IN HG VELOCITY 55.47 FPS

PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
13	-.294	.084	.051	-.738
14	-.292	.081	.001	-.708
15	.567	.133	.999	.011
16	.603	.132	1.008	.100
52	-.230	.105	.079	-.975
53	-.243	.103	.021	-.980
54	.482	.151	.934	-.110
55	.607	.139	1.001	.224
87				
88	-.218	.113	.114	-.946
89	.435	.134	.874	.017
90	.499	.012	.530	.471
132	-.099	.108	.188	-.574
133	-.274	.138	.141	-.841
134	.201	.164	.711	-.444
135	.413	.142	.907	.049
110	-.292	.090	.158	-.845
111	-.258	.087	.178	-.896
112	-.246	.083	.093	-.643
113	-.284	.098	.069	-.733
153	-.298	.112	.241	-.760
154	-.269	.119	.206	-.848
155	-.264	.118	.110	-.869
156	-.268	.099	.080	-.738
183	-.250	.110	.165	-.952
184	-.187	.108	.093	-.829
185	-.178	.120	.109	-.991
186	-.114	.078	.203	-.446

RERUNS OF RENAISSANCE CENTER 28
 ELEVATORS-OUTER BUILDING
 NOV. 1974

WIND DIRECTION 140 TEMPERATURE 75.50 DEGREES F
 BAROMETRIC PRESS 24.46 IN HG VELOCITY 55.26 FPS

PRFSSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
13	-.080	.092	.220	-.540
14	-.109	.099	.237	-.496
15	.639	.133	.993	.162
16	.404	.133	.846	-.169
52	.044	.094	.387	-.367
53	-.005	.097	.479	-.385
54	.601	.143	1.052	.108
55	.468	.145	.967	-.105
87				
88	.059	.111	.411	-.418
89	.512	.146	.929	.090
90	.504	.006	.528	.476
132	.090	.091	.424	-.229
133	-.020	.152	.452	-.518
134	.415	.135	.859	.016
135	.309	.141	.722	-.146
110	-.391	.097	.036	-1.175
111	-.350	.109	-.027	-.951
112	-.396	.144	-.005	-1.054
113	-.442	.171	.077	-1.283
153	-.402	.115	.087	-1.094
154	-.393	.132	.033	-1.057
155	-.420	.143	-.026	-1.129
156	-.433	.145	.124	-1.089
183	-.398	.123	-.003	-1.190
184	-.408	.149	.087	-1.220
185	-.474	.200	.034	-1.542
186	-.300	.099	.050	-.799

REPUNS OF RENAISSANCE CENTER 29
 ELEVATORS-OUTER BUILDING
 NOV. 1974

WIND DIRECTION 150 TEMPERATURE 75.60 DEGREES F
 BAROMETRIC PRESS 24.46 IN HG VELOCITY 55.60 FPS

PFRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
13	.149	.089	.438	-.301
14	.195	.120	.607	-.323
15	.448	.150	.853	-.087
16	.016	.125	.415	-.459
52	.285	.101	.569	-.089
53	.292	.128	.665	-.166
54	.447	.152	.901	-.242
55	.154	.128	.620	-.431
87				
88	.303	.119	.679	-.056
89	.377	.164	.870	-.157
90	.298	.016	.239	.171
132	.233	.093	.533	-.081
133	.247	.125	.631	-.229
134	.413	.145	.850	0.000
135	.036	.149	.486	-.576
110	-.413	.058	-.205	-.724
111	-.462	.116	-.171	-1.102
112	-.510	.147	-.070	-1.208
113	-.535	.159	.018	-1.274
153	-.451	.070	-.273	-.936
154	-.483	.093	-.205	-.940
155	-.498	.110	-.117	-1.050
156	-.536	.135	-.048	-1.260
183	-.447	.072	-.281	-1.110
184	-.466	.090	-.200	-1.023
185	-.613	.162	-.267	-1.516
186	-.401	.082	-.171	-.805

RERUNS OF RENAISSANCE CENTER 30
 ELEVATORS-OUTER BUILDING
 NOV. 1974

WIND DIRECTION 160 TEMPERATURE 76.00 DEGREES F
 BAROMETRIC PRESS 24.46 IN HG VELOCITY 55.48 FPS

PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
13	.351	.094	.630	.007
14	.497	.119	.873	.100
15	.066	.155	.483	-.467
16	-.372	.105	-.035	-.787
52	.464	.107	.784	.116
53	.541	.127	.918	.119
54	.013	.184	.521	-.676
55	-.219	.105	.096	-.743
87				
88	.504	.137	.996	.110
89	-.025	.179	.528	-.657
90	-.201	.111	.171	-.740
132	.341	.116	.816	.059
133	.386	.139	.808	-.045
134	.234	.209	.836	-.517
135	-.323	.158	.226	-.813
110	-.443	.057	-.240	-.737
111	-.502	.090	-.225	-.950
112	-.513	.108	-.182	-1.145
113	-.508	.108	-.037	-1.131
153	-.467	.055	-.271	-.784
154	-.488	.079	-.249	-.890
155	-.504	.093	-.254	-.962
156	-.543	.113	-.049	-1.213
183	-.465	.058	-.301	-.763
184	-.537	.100	-.256	-.989
185	-.793	.188	-.359	-1.572
186	-.426	.081	-.162	-.785

RERUNS OF RENAISSANCE CENTER 31
 ELEVATORS-OUTER BUILDING
 NOV. 1974

WIND DIRECTION 170 TEMPERATURE 76.00 DEGREES F
 BAROMETRIC PRESS 24.46 IN HG VELOCITY 55.56 FPS

PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
13	.477	.107	.787	.093
14	.628	.131	1.031	.172
15	-.496	.146	.075	-1.015
16	-.638	.090	-.322	-1.155
52	.566	.112	.865	.169
53	.611	.137	.972	.104
54	-.571	.157	-.015	-1.164
55	-.591	.113	-.287	-1.152
87				
88	.541	.153	.993	.024
89	-.625	.176	.104	-1.412
90	-.610	.137	-.230	-1.345
132	.408	.119	.866	.063
133	.372	.165	.796	-.669
134	-.213	.257	.432	-1.150
135	-.743	.155	-.275	-1.302
110	-.433	.048	-.263	-.653
111	-.477	.087	-.218	-.939
112	-.493	.102	-.169	-1.249
113	-.520	.112	-.066	-.948
153	-.338	.032	-.237	-.501
154	-.467	.067	-.256	-.787
155	-.490	.087	-.217	-1.003
156	-.285	.066	.018	-.569
183	-.404	.042	-.279	-.642
184	-.573	.098	-.341	-1.004
185	-.795	.176	-.380	-1.583
186	-.246	.050	-.077	-.448

RERUNS OF RENAISSANCE CENTER 32
 ELEVATORS-OUTER BUILDING
 NOV. 1974

WIND DIRECTION 180 TEMPERATURE 76.40 DEGREES F
 BAROMETRIC PRESS 24.46 IN HG VELOCITY 55.16 FPS

PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
13	.561	.121	.965	.084
14	.577	.150	.955	.004
15	-1.127	.160	-.628	-2.385
16	-1.084	.146	-.649	-2.328
52	.612	.131	1.005	.170
53	.486	.171	1.244	-.214
54	-1.038	.149	-.562	-2.038
55	-.943	.133	-.551	-1.985
87				
88	.355	.191	.872	-.510
89	-1.099	.202	-.592	-2.122
90	-.991	.174	-.553	-2.152
132	.394	.141	.838	-.054
133	.165	.205	.734	-.619
134	-.785	.267	.014	-1.955
135	-1.045	.161	-.585	-1.802
110	-.471	.057	-.303	-.849
111	-.501	.093	-.194	-1.125
112	-.529	.106	-.179	-1.160
113	-.526	.127	.041	-1.051
153	-.483	.054	-.340	-.741
154	-.499	.071	-.296	-.826
155	-.570	.108	-.276	-1.114
156	-.491	.137	.050	-1.008
183	-.494	.059	-.337	-.848
184	-.659	.116	-.366	-1.204
185	-.929	.232	-.380	-2.063
186	-.540	.099	-.192	-.914

RERUNS OF RENAISSANCE CENTER 33
 ELEVATORS-OUTER BUILDING
 NOV. 1974

WIND DIRECTION 190 TEMPERATURE 76.50 DEGREES F
 BAROMETRIC PRESS 24.46 IN HG VELOCITY 55.03 FPS

PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
13	.609	.134	1.007	.032
14	.423	.158	.861	-.241
15	-1.020	.190	-.470	-1.938
16	-.928	.164	-.450	-1.938
52	.512	.102	.809	.144
53	.298	.181	.793	-.483
54	-.914	.212	-.392	-2.306
55	-.801	.158	-.399	-1.937
87				
88	.153	.215	.773	-.850
89	-1.020	.310	-.447	-2.744
90	-.724	.179	-.349	-1.553
132	.348	.127	.727	-.073
133	-.027	.213	.667	-.724
134	-1.057	.223	-.316	-1.988
135	-.671	.128	-.359	-1.224
110	-.505	.081	-.226	-1.110
111	-.533	.107	-.203	-1.146
112	-.581	.130	-.254	-1.254
113	-.529	.144	.069	-1.138
153	-.497	.074	-.284	-.912
154	-.511	.082	-.241	-1.056
155	-.603	.130	-.236	-1.291
156	-.462	.132	0.000	-1.093
183	-.519	.090	-.267	-1.077
184	-.622	.160	-.316	-1.276
185	-.794	.291	-.264	-2.109
186	-.494	.102	-.177	-.865

RERUNS OF RENAISSANCE CENTER
 ELEVATORS-OUTER BUILDING
 NOV. 1974

34

WIND DIRECTION 200 TEMPERATURE 77.00 DEGREES F
 BAROMETRIC PRESS 24.46 IN HG VELOCITY 55.71 FPS

PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
13	.586	.135	.984	.109
14	.221	.149	.676	-.295
15	-.707	.141	-.379	-1.831
16	-.691	.118	-.383	-1.788
52	.568	.142	.956	.070
53	.088	.170	.595	-.567
54	-.753	.192	-.354	-2.231
55	-.705	.149	-.366	-1.647
87				
88	-.047	.199	.598	-.824
89	-.826	.251	-.331	-2.146
90	-.710	.191	-.337	-2.033
132	.349	.139	.873	-.338
133	-.230	.202	.356	-1.072
134	-1.145	.243	-.275	-2.442
135	-.636	.124	-.324	-1.326
110	-.542	.100	-.283	-1.057
111	-.572	.132	-.225	-1.548
112	-.707	.203	-.215	-1.973
113	-.514	.204	.198	-1.464
153	-.483	.071	-.289	-.904
154	-.507	.087	-.262	-.884
155	-.596	.132	-.241	-1.347
156	-.440	.156	.167	-1.044
183	-.505	.077	-.290	-.935
184	-.530	.098	-.341	-1.149
185	-.643	.168	-.349	-1.735
186	-.514	.106	-.152	-1.003

REFRONS OF RENAISSANCE CENTER 35
 ELEVATORS-OUTER BUILDING
 NOV. 1974

WIND DIRECTION 202 TEMPERATURE 77.20 DEGREES F
 BAROMETRIC PRESS 24.46 IN HG VELOCITY 55.48 FPS

PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
13	.581	.140	.957	.061
14	.198	.159	.644	-.409
15	-.687	.124	-.367	-1.580
16	-.651	.097	-.314	-1.406
52	.582	.139	1.012	.082
53	.040	.168	.562	-.760
54	-.725	.182	-.389	-2.133
55	-.678	.141	-.338	-1.595
87				
88	-.065	.194	.614	-.946
89	-.826	.263	-.318	-2.120
90	-.706	.201	-.269	-1.938
132	.343	.140	.842	-.054
133	-.252	.200	.391	-1.004
134	-1.138	.231	-.318	-2.125
135	-.605	.114	-.279	-1.523
110	-.536	.096	-.299	-1.098
111	-.567	.122	-.251	-1.176
112	-.714	.204	-.285	-1.724
113	-.521	.196	.391	-1.697
153	-.490	.075	-.242	-.862
154	-.514	.094	-.178	-1.009
155	-.603	.143	-.260	-1.343
156	-.531	.169	.004	-1.321
183	-.501	.081	-.302	-1.049
184	-.545	.119	-.300	-1.277
185	-.681	.219	-.304	-2.268
186	-.520	.112	-.130	-1.080

RERUNS OF RENAISSANCE CENTER 36
 ELEVATORS-OUTER BUILDING
 NOV. 1974

WIND DIRECTION 204 TEMPERATURE 77.50 DEGREES F
 BAROMETRIC PRESS 24.46 IN HG VELOCITY 55.73 FPS

PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
13	.588	.136	.956	.135
14	.161	.148	.594	-.532
15	-.674	.128	-.342	-1.635
16	-.655	.098	-.425	-1.232
52	.579	.150	1.075	-.116
53	.029	.162	.536	-.629
54	-.718	.184	-.331	-1.787
55	-.661	.140	-.309	-2.104
87				
88	-.093	.190	.441	-.823
89	-.803	.257	-.347	-2.076
90	-.680	.195	-.316	-1.806
132	.367	.137	.832	-.126
133	-.235	.187	.365	-.942
134	-1.130	.217	-.477	-2.249
135	-.580	.104	-.299	-1.077
110	-.512	.092	-.277	-1.161
111	-.544	.123	-.181	-1.561
112	-.674	.200	-.254	-2.121
113	-.524	.182	.233	-1.363
153	-.478	.069	-.285	-.759
154	-.501	.087	-.230	-1.023
155	-.578	.131	-.257	-1.439
156	-.530	.168	.147	-1.408
183	-.474	.064	-.327	-.782
184	-.506	.092	-.310	-1.291
185	-.626	.172	-.307	-2.073
	-.491	.100	-.143	-.890

RERUNS OF RENAISSANCE CENTER 37
 ELEVATORS-OUTER BUILDING
 NOV. 1974

WIND DIRECTION 206 TEMPERATURE 77.50 DEGREES F
 BAROMETRIC PRESS 24.46 IN HG VELOCITY 55.70 FPS

PRESSURE TAP NUMBER	MEAN PPESSURE COEFFICIENT	RMS PRFESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
13	.585	.134	1.038	.056
14	.124	.145	.666	-.466
15	-.691	.155	-.360	-1.851
16	-.657	.109	-.341	-1.415
52	.569	.152	1.187	-.391
53	-.009	.177	.632	-1.039
54	-.760	.230	-.278	-2.110
55	-.680	.169	-.296	-1.955
87				
88	-.091	.181	.430	-.823
89	-.787	.260	-.282	-2.016
90	-.660	.201	-.271	-1.832
132	.368	.134	.778	-.059
133	-.242	.177	.351	-.945
134	-1.127	.208	-.391	-2.123
135	-.554	.102	-.192	-1.294
110	-.504	.080	-.294	-1.094
111	-.539	.113	-.157	-1.212
112	-.643	.166	-.201	-1.863
113	-.541	.173	.090	-1.409
153	-.472	.068	-.308	-.870
154	-.492	.082	-.254	-.895
155	-.560	.120	-.229	-1.246
156	-.528	.155	.117	-1.201
183	-.471	.066	-.294	-.798
184	-.500	.091	-.295	-1.417
185	-.634	.152	-.324	-1.476
186	-.473	.101	-.105	-.929

REFURNS OF RENAISSANCE CENTER 38
 ELEVATORS-OUTER BUILDING
 NOV. 1974

WIND DIRECTION 208 TEMPERATURE 77.70 DEGREES F
 BAROMETRIC PRESS 24.46 IN HG VELOCITY 55.65 FPS

PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
13	.566	.170	1.194	-.819
14	.191	.152	.701	-.642
15	-.716	.187	-.369	-1.646
16	-.663	.120	-.327	-1.702
52	.521	.185	1.077	-.583
53	-.020	.181	.596	-1.295
54	-.789	.242	-.283	-2.087
55	-.683	.175	-.293	-2.049
87				
88	-.099	.175	.460	-.977
89	-.816	.263	-.097	-2.170
90	-.662	.208	-.089	-2.061
132	.335	.234	.873	-.797
133	-.223	.206	.693	-.827
134	-1.100	.280	.120	-2.032
135	-.569	.162	-.166	-1.576
110	-.495	.069	-.275	-.870
111	-.526	.102	-.270	-1.146
112	-.618	.152	-.272	-1.574
113	-.531	.161	.106	-1.208
153	-.468	.063	-.276	-.883
154	-.486	.080	-.246	-.926
155	-.555	.119	-.263	-1.418
156	-.512	.146	.052	-1.215
183	-.459	.056	-.286	-.759
184	-.478	.072	-.289	-.880
185	-.610	.135	-.300	-1.373
186	-.460	.093	-.025	-.804

REFURNS OF RENAISSANCE CENTER 39
 ELEVATORS-OUTER BUILDING
 NOV. 1974

WIND DIRECTION 210 TEMPERATURE 78.00 DEGREES F
 BAROMETRIC PRESS 24.46 IN HG VELOCITY 55.84 FPS

PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
13	.564	.189	1.239	-.889
14	.100	.176	.809	-1.384
15	-.732	.208	-.337	-1.860
16	-.667	.130	-.313	-1.700
52	.480	.221	1.164	-.761
53	-.022	.214	.729	-1.006
54	-.837	.265	-.295	-2.054
55	-.695	.197	-.255	-2.243
87				
88	-.091	.181	.480	-1.223
89	-.798	.277	-.241	-2.222
90	-.641	.212	-.228	-2.255
132	.379	.148	.870	-.249
133	-.228	.155	.354	-.806
134	-1.116	.196	-.617	-1.888
135	-.530	.115	-.225	-1.735
110	-.482	.064	-.291	-.840
111	-.513	.097	-.237	-1.495
112	-.598	.141	-.230	-1.446
113	-.530	.140	.101	-1.145
153	-.462	.056	-.292	-.731
154	-.476	.074	-.269	-.975
155	-.541	.113	-.283	-1.383
156	-.500	.122	-.064	-1.090
183	-.451	.056	-.304	-.691
184	-.470	.069	-.297	-1.001
185	-.589	.136	-.320	-1.398
186	-.464	.094	-.053	-.869

REFURNS OF RENAISSANCE CENTER
 ELEVATORS-OUTER BUILDING
 NOV. 1974

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WIND DIRECTION 212 TEMPERATURE 78.00 DEGREES F
 BAROMETRIC PRESS 24.46 IN HG VELOCITY 55.61 FPS

PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
13	.525	.245	1.319	-1.061
14	.099	.208	.732	-1.195
15	-.758	.232	-.326	-1.810
16	-.667	.135	-.286	-1.425
52	.429	.269	1.254	-.904
53	-.016	.251	.880	-1.565
54	-.886	.313	-.309	-2.478
55	-.718	.237	-.178	-2.479
87				
88	-.053	.193	.608	-1.196
89	-.808	.271	-.175	-1.991
90	-.641	.207	-.230	-2.272
132	.385	.162	.921	-.240
133	-.170	.157	.566	-.698
134	-1.068	.211	-.426	-2.098
135	-.514	.120	-.275	-1.580
110	-.474	.052	-.319	-.722
111	-.507	.089	-.241	-1.370
112	-.574	.116	-.226	-1.191
113	-.532	.120	-.063	-1.208
153	-.453	.052	-.305	-.792
154	-.467	.072	-.258	-1.053
155	-.524	.104	-.175	-1.304
156	-.491	.102	-.031	-1.036
183	-.446	.050	-.298	-.700
184	-.458	.059	-.279	-.768
185	-.552	.105	-.299	-1.089
186	-.475	.083	-.217	-.873

REFRONS OF RENAISSANCE CENTER 41
 ELEVATORS-OUTER BUILDING
 NOV. 1974

WIND DIRECTION 214 TEMPERATURE 78.00 DEGREES F
 BAROMETRIC PRESS 24.46 IN HG VELOCITY 55.67 FPS

PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
13	.472	.305	1.347	-1.191
14	.084	.262	.904	-1.415
15	-.775	.258	-.225	-2.061
16	-.663	.151	-.268	-1.725
52	.307	.325	1.422	-.794
53	-.047	.314	.859	-2.167
54	-.912	.326	-.275	-2.395
55	-.722	.242	-.215	-2.239
87				
88	-.049	.268	.848	-1.393
89	-.799	.263	-.228	-2.449
90	-.614	.193	-.215	-1.804
132	.352	.195	1.073	-.511
133	-.103	.169	.529	-.736
134	-1.002	.205	-.325	-1.771
135	-.493	.097	-.277	-1.273
110	-.476	.051	-.314	-.727
111	-.502	.075	-.284	-1.049
112	-.557	.109	-.266	-1.166
113	-.534	.112	.070	-1.170
153	-.458	.045	-.331	-.628
154	-.466	.060	-.290	-.929
155	-.518	.091	-.290	-1.145
156	-.491	.092	-.065	-.922
183	-.433	.043	-.277	-.659
184	-.442	.051	-.283	-.680
185	-.521	.100	-.303	-1.100
186	-.468	.073	-.135	-.745

RERUNS OF RENAISSANCE CENTER
 ELEVATORS-OUTER BUILDING
 NOV. 1974

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WIND DIRECTION 216
 BAROMETRIC PRESS 24.46 IN HG

TEMPERATURE 78.00 DEGREES F
 VELOCITY 55.57 FPS

PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
13	.420	.352	1.341	-1.013
14	.084	.290	.955	-1.361
15	-.778	.266	-.235	-1.789
16	-.646	.146	-.257	-1.448
52	.199	.365	1.204	-.913
53	-.136	.391	.940	-2.088
54	-.858	.296	-.191	-2.343
55	-.672	.211	-.225	-1.971
87				
88	-.063	.307	.870	-1.361
49	-.783	.264	-.196	-2.293
90	-.588	.177	-.201	-1.981
132	.306	.209	.924	-.582
133	-.073	.182	.647	-.750
134	-.943	.194	-.259	-1.659
135	-.494	.100	-.233	-1.338
110	-.472	.048	-.328	-.729
111	-.496	.068	-.283	-.931
112	-.532	.096	-.283	-1.175
113	-.525	.098	-.110	-1.101
153	-.458	.044	-.319	-.624
154	-.466	.058	-.290	-.981
155	-.510	.082	-.263	-1.174
156	-.490	.080	-.110	-.804
183	-.445	.039	-.326	-.665
184	-.450	.046	-.332	-.689
185	-.509	.078	-.331	-.896
186	-.477	.068	-.181	-.897

RERUNS OF RENAISSANCE CENTER 43
 ELEVATORS-OUTER BUILDING
 NOV. 1974

WIND DIRECTION 218 TEMPERATURE 78.20 DEGREES F
 BAROMETRIC PRESS 24.46 IN HG VELOCITY 55.83 FPS

PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
13	.257	.392	1.330	-1.010
14	-.031	.356	.779	-1.651
15	-.801	.276	-.239	-1.780
16	-.637	.168	-.239	-1.732
52	.051	.355	1.256	-1.041
53	-.247	.436	.809	-2.222
54	-.746	.278	-.224	-2.112
55	-.641	.211	-.196	-1.864
87				
88	-.200	.389	.804	-1.629
89	-.754	.236	-.192	-2.052
90	-.566	.153	-.195	-1.608
132	.239	.248	.980	-.737
133	-.038	.202	.619	-.868
134	-.884	.204	-.206	-1.793
135	-.496	.098	-.153	-1.592
110	-.478	.051	-.322	-.889
111	-.440	.064	-.311	-1.120
112	-.517	.089	-.276	-1.343
113	-.513	.084	-.217	-.954
153	-.456	.043	-.312	-.620
154	-.464	.052	-.281	-.758
155	-.495	.074	-.195	-.888
156	-.483	.075	-.204	-.835
183	-.439	.035	-.338	-.640
184	-.448	.041	-.349	-.676
185	-.490	.063	-.343	-.860
186	-.471	.058	-.295	-.767

RERUNS OF RENAISSANCE CENTER 44
ELEVATORS-OUTER BUILDING
NOV. 1974

WIND DIRECTION 220 TEMPERATURE 78.00 DEGREES F
BAROMETRIC PRESS 24.47 IN HG VELOCITY 57.37 FPS

PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
13	.183	.408	1.287	-1.200
14	-.076	.391	1.053	-1.725
15	-.819	.278	-.212	-1.920
16	-.627	.159	-.147	-1.591
52	-.043	.360	1.207	-1.302
53	-.340	.446	.819	-2.548
54	-.772	.258	-.156	-2.217
55	-.622	.186	-.064	-1.839
87				
88	-.249	.395	.908	-1.805
89	-.754	.260	.481	-2.491
90	-.565	.162	-.144	-2.066
132	.165	.249	1.063	-.702
133	-.043	.217	.746	-1.235
134	-.836	.201	-.266	-1.979
135	-.502	.106	-.167	-1.410
110	-.488	.053	-.305	-.819
111	-.493	.061	-.215	-1.019
112	-.507	.083	.029	-1.411
113	-.506	.072	-.228	-1.040
153	-.470	.043	-.351	-.677
154	-.478	.052	-.278	-.733
155	-.507	.080	.117	-1.003
156	-.491	.072	-.224	-.849
183	-.458	.040	-.338	-.640
184	-.467	.046	-.339	-.682
185	-.507	.068	-.233	-.894
186	-.482	.056	-.274	-.743

RERUNS OF RENAISSANCE CENTER 45
 ELLEVATORS-OUTER BUILDING
 NOV. 1974

WIND DIRECTION 222 TEMPERATURE 78.00 DEGRFES F
 BAROMETRIC PRESS 24.47 IN HG VELOCITY 57.91 FPS

PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
13	.080	.409	1.178	-1.373
14	-.160	.407	.832	-1.638
15	-.823	.290	-.177	-2.174
16	-.623	.178	-.217	-1.849
52	-.146	.328	1.069	-1.316
53	-.479	.455	.811	-2.256
54	-.714	.255	-.127	-2.242
55	-.600	.194	-.127	-1.818
87				
88	-.372	.383	.822	-1.568
89	-.711	.230	-.159	-2.224
90	-.544	.152	-.113	-1.221
132	.107	.242	.818	-.980
133	-.065	.221	.683	-1.079
134	-.805	.197	-.185	-1.738
135	-.503	.106	-.159	-1.382
110	-.478	.052	-.335	-.818
111	-.478	.060	-.225	-.892
112	-.492	.073	.134	-.871
113	-.491	.068	-.169	-.939
153	-.459	.044	-.337	-.722
154	-.463	.056	-.196	-.813
155	-.489	.077	-.092	-.971
156	-.477	.069	-.170	-.733
183	-.451	.037	-.326	-.618
184	-.457	.044	-.333	-.722
185	-.497	.062	-.339	-.832
186	-.468	.050	-.300	-.689

RERUNS OF RENAISSANCE CENTER 46
 ELEVATORS-OUTER BUILDING
 NOV. 1974

WIND DIRECTION 224 TEMPERATURE 78.10 DEGREES F
 BAROMETRIC PRESS 24.47 IN HG VELOCITY 56.07 FPS

PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
13	-.017	.399	1.381	-1.203
14	-.283	.447	.876	-1.891
15	-.827	.282	-.153	-2.051
16	-.630	.172	-.182	-1.504
52	-.221	.299	1.141	-1.476
53	-.649	.452	.662	-2.334
54	-.644	.216	-.094	-2.153
55	-.572	.173	-.153	-1.686
87	-	-	-	-
88	-.439	.347	.867	-1.790
89	-.675	.213	.007	-1.772
90	-.543	.156	-.121	-1.519
132	.015	.229	.791	-.731
133	-.094	.227	.637	-1.023
134	-.752	.189	-.214	-1.879
135	-.515	.107	-.239	-1.468
110	-.494	.062	-.330	-.806
111	-.485	.078	-.115	-.889
112	-.489	.105	.287	-1.003
113	-.491	.075	-.057	-.867
153	-.483	.059	-.314	-1.068
154	-.491	.078	-.190	-.967
155	-.509	.114	.198	-.964
156	-.472	.080	-.133	-.898
183	-.461	.040	-.325	-.667
184	-.473	.052	-.319	-.892
185	-.514	.070	-.304	-.938
186	-.473	.052	-.272	-.712

RERUNS OF RENAISSANCE CENTER 47
 ELEVATORS-OUTER BUILDING
 NOV. 1974

WIND DIRECTION 226 TEMPERATURE 78.20 DEGREES F
 BAROMETRIC PRESS 24.47 IN HG VELOCITY 55.99 FPS

PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
13	-.104	.350	1.056	-1.151
14	-.404	.464	.825	-1.916
15	-.802	.275	-.043	-2.346
16	-.603	.169	-.160	-1.521
52	-.221	.284	.739	-1.552
53	-.743	.463	.704	-2.611
54	-.618	.203	-.075	-1.986
55	-.560	.173	-.028	-1.702
87				
88	-.464	.332	.674	-1.550
89	-.660	.209	-.078	-1.617
90	-.541	.155	-.079	-1.586
132	-.061	.209	.962	-.732
133	-.113	.224	.736	-.867
134	-.707	.178	-.171	-1.401
135	-.524	.106	-.253	-1.058
110	-.502	.071	-.302	-1.030
111	-.478	.091	.061	-.892
112	-.463	.138	.347	-1.021
113	-.480	.092	-.097	-.921
153	-.493	.067	-.294	-.834
154	-.491	.095	-.067	-.932
155	-.457	.159	.681	-1.003
156	-.454	.092	-.075	-.918
183	-.463	.042	-.328	-.646
184	-.472	.056	-.248	-.795
185	-.493	.092	.046	-.849
186	-.456	.067	-.157	-.731

RERUNS OF RENAISSANCE CENTER 48
 ELEVATORS-OUTER BUILDING
 NOV. 1974

WIND DIRECTION 228 TEMPERATURE 78.50 DEGREES F
 BAROMETRIC PRESS 24.47 IN HG VELOCITY 55.98 FPS

PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
13	-.162	.307	1.105	-1.138
14	-.539	.464	.811	-2.275
15	-.742	.247	-.162	-2.009
16	-.574	.164	-.169	-1.449
52	-.211	.253	.819	-1.350
53	-.884	.411	.511	-2.439
54	-.594	.188	.070	-1.783
55	-.556	.168	.013	-2.099
87				
88	-.415	.242	.602	-1.496
89	-.658	.199	-.089	-1.486
90	-.545	.151	-.135	-1.467
132	-.185	.195	.556	-.734
133	-.235	.232	.464	-.950
134	-.658	.164	-.135	-1.505
135	-.525	.099	-.194	-1.059
110	-.502	.086	-.100	-1.172
111	-.455	.119	.145	-.977
112	-.420	.169	.546	-.950
113	-.485	.119	.220	-1.018
153	-.494	.081	-.254	-.950
154	-.460	.113	-.053	-1.024
155	-.381	.197	.790	-.907
156	-.449	.118	-.026	-1.123
183	-.459	.052	-.210	-.705
184	-.455	.073	-.209	-.773
185	-.395	.143	.280	-.800
186	-.413	.081	.134	-.704

RERUNS OF RENAISSANCE CENTER 49
 ELEVATORS-OUTER BUILDING
 NOV. 1974

WIND DIRECTION 230 TEMPERATURE 78.70 DEGREES F
 BAROMETRIC PRESS 24.47 IN HG VELOCITY 56.20 FPS

PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
13	-.202	.271	.838	-1.154
14	-.676	.492	.700	-2.775
15	-.702	.226	-.187	-1.994
16	-.549	.151	-.176	-1.395
52	-.175	.220	.700	-1.150
53	-.934	.378	.474	-2.739
54	-.577	.179	-.025	-1.731
55	-.542	.155	.010	-1.407
87				
88	-.411	.258	.662	-1.226
89	-.655	.149	.095	-1.600
90	-.546	.148	.006	-2.008
132	-.272	.155	.495	-.813
133	-.327	.205	.612	-1.023
134	-.612	.144	.282	-1.273
135	-.509	.100	-.209	-1.217
110	-.527	.103	-.259	-1.154
111	-.458	.170	.173	-1.322
112	-.357	.206	.760	-1.084
113	-.492	.149	.134	-1.597
153	-.500	.090	-.250	-1.071
154	-.432	.136	.203	-1.005
155	-.328	.215	.640	-1.063
156	-.473	.142	-.044	-1.211
183	-.466	.058	-.312	-.893
184	-.439	.094	-.083	-1.066
185	-.305	.147	.586	-.904
186	-.403	.090	.004	-.801

RERUNS OF RENAISSANCE CENTER 50
 ELEVATORS-OUTER BUILDING
 NOV. 1974

WIND DIRECTION 232 TEMPERATURE 78.70 DEGREES F
 BAROMETRIC PRESS 24.47 IN HG VELOCITY 56.09 FPS

PRFSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
13	-.207	.254	.838	-1.216
14	-.837	.504	.727	-2.511
15	-.696	.221	-.149	-1.945
16	-.553	.151	-.142	-1.465
52	-.161	.190	.566	-.954
53	-.990	.341	.168	-2.638
54	-.573	.173	-.106	-1.744
55	-.545	.150	-.136	-1.355
87				
88	-.432	.236	.484	-1.238
89	-.633	.172	-.129	-1.574
90	-.540	.129	-.155	-1.326
132	-.303	.125	.293	-.840
133	-.422	.186	.414	-1.059
134	-.604	.127	-.151	-1.138
135	-.511	.093	-.203	-1.140
110	-.527	.091	-.303	-1.048
111	-.502	.170	.169	-1.548
112	-.393	.205	.695	-1.027
113	-.485	.139	-.017	-1.651
153	-.504	.087	-.294	-1.091
154	-.455	.143	.043	-1.670
155	-.345	.196	.765	-.976
156	-.462	.132	-.014	-1.090
183	-.472	.061	-.271	-.748
184	-.441	.098	-.097	-1.063
185	-.275	.139	.532	-.626
186	-.411	.092	-.064	-.962

RERUNS OF RENAISSANCE CENTER 51
 ELEVATORS-OUTER BUILDING
 NOV. 1974

WIND DIRECTION 234 TEMPERATURE 78.80 DEGREES F
 BAROMETRIC PRESS 24.47 IN HG VELOCITY 56.21 FPS

PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
13	-.182	.230	.715	-1.121
14	-.947	.500	.697	-2.630
15	-.677	.207	-.148	-1.550
16	-.546	.140	-.101	-1.257
52	-.160	.170	.640	-1.134
53	-.970	.312	.177	-2.667
54	-.559	.169	-.029	-1.637
55	-.536	.143	-.137	-1.358
87				
88	-.454	.210	.495	-1.175
89	-.591	.149	-.178	-1.465
90	-.523	.123	-.037	-1.488
132	-.302	.117	.390	-.806
133	-.444	.173	.383	-1.060
134	-.577	.111	-.196	-1.052
135	-.490	.087	-.241	-1.352
110	-.530	.087	-.259	-1.147
111	-.560	.180	.155	-1.335
112	-.382	.206	.777	-1.018
113	-.461	.146	.079	-1.221
153	-.520	.080	-.288	-1.024
154	-.515	.144	.015	-1.284
155	-.372	.176	.581	-.875
156	-.453	.120	.025	-1.102
183	-.458	.060	-.286	-.753
184	-.443	.095	-.080	-.924
185	-.313	.136	.438	-.737
186	-.413	.091	-.137	-.893

RFRUNS OF RENAISSANCE CENTER 52
ELFVATORS-OUTER BUILDING
NOV. 1974

WIND DIRECTION 236 TEMPERATURE 79.00 DEGREES F
BAROMETRIC PRESS 24.47 IN HG VELOCITY 56.39 FPS

PRESSURE TAP NUMBR	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
13	-.168	.219	.822	-1.517
14	-1.050	.492	.540	-2.737
15	-.666	.205	-.143	-1.565
16	-.537	.141	-.140	-1.384
52	-.160	.152	.445	-1.098
53	-.964	.264	-.126	-2.288
54	-.545	.152	-.162	-1.630
55	-.528	.129	-.081	-1.465
87				
88	-.487	.202	.500	-1.123
89	-.575	.139	-.150	-1.331
90	-.520	.119	-.185	-1.410
132	-.305	.105	.155	-.750
133	-.502	.150	.203	-1.142
134	-.551	.101	-.190	-1.069
135	-.483	.081	-.256	-.852
110	-.511	.075	-.311	-.993
111	-.558	.165	.044	-1.450
112	-.335	.193	.683	-.971
113	-.462	.134	.168	-1.239
153	-.508	.081	-.240	-.918
154	-.503	.155	.223	-1.565
155	-.342	.173	.660	-.785
156	-.439	.118	.001	-1.062
183	-.469	.058	-.319	-.763
184	-.449	.092	-.170	-.949
185	-.310	.126	.313	-.646
186	-.410	.087	-.096	-.834

RERUNS OF RENAISSANCE CENTER 53
 ELEVATORS-OUTER BUILDING
 NOV. 1974

WIND DIRECTION 238 TEMPERATURE 79.00 DEGREES F
 BAROMETRIC PRESS 24.47 IN HG VELOCITY 56.18 FPS

PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
13	-.146	.194	.623	-1.187
14	-1.101	.451	.587	-2.717
15	-.658	.200	-.120	-1.497
16	-.541	.147	-.148	-1.249
52	-.154	.137	.342	-.712
53	-.957	.255	.173	-2.836
54	-.541	.146	-.140	-1.448
55	-.525	.124	-.101	-1.310
87				
88	-.544	.190	.287	-1.275
89	-.555	.124	-.219	-1.290
90	-.516	.112	-.202	-1.369
132	-.317	.098	.066	-.840
133	-.508	.129	.069	-1.048
134	-.532	.098	-.150	-1.027
135	-.474	.079	-.219	-.888
110	-.509	.075	-.314	-1.041
111	-.569	.157	-.026	-1.333
112	-.395	.182	.633	-.991
113	-.446	.128	.101	-1.108
153	-.502	.076	-.282	-.846
154	-.499	.145	.055	-1.267
155	-.351	.157	.458	-.806
156	-.434	.110	.098	-1.184
183	-.475	.060	-.324	-.875
184	-.452	.099	-.120	-1.005
185	-.325	.122	.295	-.638
186	-.424	.083	-.116	-.857

REERUNS OF RENAISSANCE CENTER
ELEVATORS-OUTER BUILDING
NOV. 1974

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WIND DIRECTION 240

TEMPERATURE 79.00 DEGREES F

BAROMETRIC PRESS 24.47 IN HG

VELOCITY 56.29 FPS

PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
13	-.108	.178	.561	-.834
14	-1.146	.428	.487	-2.796
15	-.642	.203	-.121	-1.583
16	-.535	.156	-.125	-1.408
52	-.153	.129	.283	-.630
53	-.925	.224	-.119	-2.162
54	-.526	.142	-.146	-1.739
55	-.512	.114	-.203	-1.289
87				
88	-.563	.181	.317	-1.205
89	-.535	.118	-.194	-1.222
90	-.504	.103	-.214	-1.184
132	-.324	.092	.101	-.651
133	-.520	.123	.117	-1.104
134	-.522	.091	-.243	-.983
135	-.467	.071	-.214	-.924
110	-.503	.071	-.283	-.826
111	-.564	.153	-.091	-1.552
112	-.392	.165	.514	-.953
113	-.437	.118	.079	-.997
153	-.503	.076	-.291	-.888
154	-.506	.143	-.025	-1.213
155	-.351	.150	.547	-.758
156	-.428	.107	.008	-.969
183	-.467	.056	-.321	-.818
184	-.446	.092	-.161	-.904
185	-.336	.109	.183	-.735
186	-.418	.073	-.088	-.757

RERUNS OF RENAISSANCE CENTER 55
 ELEVATORS-OUTER BUILDING
 NOV. 1974

WIND DIRECTION 250 TEMPERATURE 79.20 DEGREES F
 BAROMETRIC PRESS 24.47 IN HG VELOCITY 56.03 FPS

PRESSURE TAP NUMBR	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
13	.066	.125	.512	-.448
14	-.840	.277	-.111	-2.418
15	-.546	.181	-.096	-1.392
16	-.504	.141	-.149	-1.339
52	-.201	.129	.224	-.647
53	-.847	.174	-.313	-1.760
54	-.440	.102	-.214	-1.541
55	-.478	.079	-.226	-.941
87				
88	-.629	.153	.248	-1.417
89	-.476	.082	-.235	-1.066
90	-.467	.074	-.238	-.983
132	-.347	.100	.163	-.649
133	-.533	.102	-.276	-1.002
134	-.465	.061	-.292	-.784
135	-.446	.057	-.265	-1.039
110	-.470	.058	-.331	-.831
111	-.501	.126	-.168	-1.310
112	-.393	.123	.319	-.906
113	-.423	.089	.124	-.778
153	-.473	.062	-.269	-.934
154	-.482	.095	-.220	-.973
155	-.373	.086	.071	-.700
156	-.427	.061	-.150	-.775
183	-.457	.050	-.305	-.704
184	-.476	.086	-.131	-.956
185	-.363	.091	.283	-.624
186	-.422	.061	-.212	-.720

RERUNS OF RENAISSANCE CENTER 56
 ELEVATORS-OUTER BUILDING
 NOV. 1974

WIND DIRECTION 260 TEMPERATURE 79.50 DEGREES F
 BAROMETRIC PRESS 24.47 IN HG VELOCITY 56.33 FPS

PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
13	.005	.147	.624	-.682
14	-.848	.189	-.222	-1.625
15	-.476	.101	-.160	-1.122
16	-.456	.075	-.218	-.864
52	-.275	.152	.396	-.848
53	-.778	.169	-.340	-1.545
54	-.457	.075	-.230	-.956
55	-.447	.058	-.281	-.874
87				
88	-.586	.132	-.146	-1.279
89	-.439	.062	-.230	-1.053
90	-.432	.052	-.255	-.732
132	-.367	.105	.081	-.777
133	-.512	.097	-.204	-1.007
134	-.438	.047	-.277	-.671
135	-.427	.040	-.281	-.678
110	-.448	.043	-.295	-.710
111	-.471	.084	-.200	-.999
112	-.394	.091	.187	-.646
113	-.412	.064	-.014	-.666
153	-.453	.044	-.306	-.668
154	-.464	.072	-.251	-.856
155	-.373	.076	.057	-.678
156	-.405	.055	-.182	-.615
183	-.439	.043	-.303	-.671
184	-.471	.075	-.306	-1.013
185	-.347	.072	.117	-.597
186	-.388	.051	-.096	-.663

RERUNS OF RENAISSANCE CENTER 57
 ELEVATORS-OUTER BUILDING
 NOV. 1974

WIND DIRECTION 270 TEMPERATURE 79.50 DEGREES F
 BAROMETRIC PRESS 24.47 IN HG VELOCITY 56.02 FPS

PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
13	-.199	.199	.432	-1.173
14	-.794	.206	-.263	-1.749
15	-.474	.094	-.234	-1.080
16	-.456	.069	-.272	-.751
52	-.329	.173	.414	-.874
53	-.675	.168	-.291	-1.583
54	-.453	.072	-.238	-.921
55	-.440	.057	-.255	-.765
87				
88	-.548	.114	-.235	-1.079
89	-.441	.063	-.258	-.825
90	-.433	.053	-.279	-.773
132	-.430	.081	.006	-.711
133	-.457	.068	-.281	-1.066
134	-.428	.048	-.290	-.807
135	-.415	.040	-.291	-.697
110	-.604	.113	-.259	-1.412
111	-.669	.176	-.169	-1.501
112	-.272	.197	.506	-.913
113	-.293	.111	.123	-.748
153	-.599	.099	-.341	-1.131
154	-.686	.183	-.190	-1.513
155	-.217	.188	.620	-.736
156	-.242	.109	.145	-.716
183	-.557	.097	-.319	-.938
184	-.640	.137	-.258	-1.152
185	-.317	.167	.319	-.769
186	-.320	.092	.032	-.743

RERUNS OF RENAISSANCE CENTER 58
ELEVATORS-OUTER BUILDING
NOV. 1974

WIND DIRECTION 280 TEMPERATURE 79.50 DEGREES F
BAROMETRIC PRESS 24.47 IN HG VELOCITY 55.91 FPS

PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
13	-.266	.196	.455	-.849
14	-.659	.185	-.215	-1.549
15	-.418	.078	-.095	-.809
16	-.407	.060	-.189	-.726
52	-.311	.169	.477	-.949
53	-.584	.152	-.224	-1.307
54	-.409	.071	-.190	-.823
55	-.398	.057	-.235	-.818
87				
88	-.495	.119	-.185	-1.052
89	-.387	.064	-.146	-1.053
90	-.378	.053	-.200	-1.041
132	-.403	.085	.001	-.677
133	-.401	.067	-.165	-.755
134	-.369	.047	-.210	-.585
135	-.354	.038	-.221	-.530
110	-.789	.205	-.278	-1.752
111	-.962	.312	-.099	-2.419
112	-.055	.273	.880	-1.010
113	-.103	.169	.578	-.943
153	-.712	.148	-.337	-1.392
154	-.996	.196	-.476	-1.592
155	-.037	.175	.516	-.582
156	-.040	.130	.473	-.543
183	-.737	.153	-.348	-1.547
184	-.833	.185	-.214	-1.582
185	-.021	.192	.732	-.736
186	-.135	.111	.248	-.624

RERUNS OF RENAISSANCE CENTER 59
 ELEVATORS-OUTER BUILDING
 NOV. 1974

WIND DIRECTION 290 TEMPERATURE 79.90 DEGREES F
 BAROMETRIC PRESS 24.47 IN HG VELOCITY 55.69 FPS

PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
13	-.283	.162	.404	-1.013
14	-.542	.161	-.175	-1.322
15	-.380	.070	-.169	-.858
16	-.371	.060	-.198	-.841
52	-.373	.142	.308	-1.205
53	-.458	.127	-.120	-1.191
54	-.373	.070	-.148	-.871
55	-.363	.054	-.205	-.728
87				
88	-.408	.097	-.083	-.825
89	-.358	.062	-.162	-.646
90	-.343	.048	-.217	-.617
132	-.413	.109	.052	-.911
133	-.396	.084	-.140	-.828
134	-.362	.061	-.171	-.746
135	-.336	.046	-.188	-.539
110	-.878	.290	-.175	-2.520
111	-1.086	.330	.145	-2.411
112	.101	.220	.913	-.924
113	.176	.191	.735	-.499
153	-.752	.179	-.209	-1.635
154	-1.016	.235	-.285	-1.961
155	.105	.169	.663	-.823
156	.193	.159	.673	-.439
183	-.807	.232	-.292	-2.164
184	-.904	.217	-.347	-1.819
185	.024	.178	.689	-.546
186	-.005	.115	.478	-.497

RERUNS OF RENAISSANCE CENTER 60
ELEVATORS-OUTER BUILDING
NOV. 1974

WIND DIRECTION 300 TEMPERATURE 79.80 DEGREES F
BAROMETRIC PRESS 24.47 IN HG VELOCITY 55.61 FPS

PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
13	-.290	.129	.235	-.758
14	-.494	.135	-.177	-1.187
15	-.357	.061	-.120	-.758
16	-.346	.049	-.171	-.557
52	-.350	.140	.270	-.965
53	-.437	.114	-.083	-1.005
54	-.357	.068	-.184	-.764
55	-.344	.052	-.197	-.641
87				
88	-.415	.124	-.034	-.901
89	-.351	.074	-.130	-.818
90	-.337	.057	-.147	-.740
132	-.393	.100	.069	-.807
133	-.378	.093	-.093	-.756
134	-.329	.062	-.151	-.672
135	-.298	.038	-.173	-.536
110	-.787	.260	-.079	-2.315
111	-.919	.255	-.106	-1.984
112	.209	.167	.771	-.589
113	.325	.131	.763	-.291
153	-.632	.152	-.219	-1.654
154	-.791	.182	-.300	-1.718
155	.153	.127	.606	-.515
156	.299	.114	.763	-.037
183	-.789	.232	-.256	-1.940
184	-.860	.185	-.272	-1.518
185	.039	.146	.546	-.552
186	.124	.105	.478	-.364

SECTION 3
SHORT ELEVATORS

REFRONS OF RENAISSANCE CENTER
 ELEVATOR SHEDDING OUTER BUILDING
 NOV. 1974

WIND DIRECTION 0 TEMPERATURE 76.50 DEGREES F
 BAROMETRIC PRESS 24.43 IN HG VELOCITY 55.73 FPS

PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
110	.421	.198	1.032	-.452
111	-.352	.282	.530	-1.641
112	-.826	.346	.376	-2.185
113	-.566	.192	.006	-1.411
153	.424	.159	.930	-.251
154	-.259	.230	.440	-1.182
155	-.803	.358	.551	-2.056
156	-.606	.191	-.128	-1.577
183	.332	.134	.846	-.111
184	-.148	.134	.304	-.829
185	-.794	.190	-.304	-1.443
186	-.506	.126	-.209	-1.366
72	-.673	.195	-.011	-1.676
73	-.566	.200	.119	-1.584
74	-.512	.158	.104	-1.216
75	-.493	.122	-.100	-1.072
76	-.545	.112	-.107	-1.093
77	-.595	.129	-.229	-1.373

REFRONS OF RENAISSANCE CENTER
 ELEVATOR SHEDDING OUTER BUILDING
 NOV. 1974

WIND DIRECTION 5 TEMPERATURE 76.80 DEGREES F
 BAROMETRIC PRESS 24.43 IN HG VELOCITY 55.81 FPS

PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
110	.513	.163	1.153	-.432
111	-.175	.217	.505	-1.297
112	-.965	.314	.154	-2.389
113	-.732	.242	-.056	-2.036
153	.442	.143	.992	-.060
154	-.174	.181	.474	-1.153
155	-.889	.284	.154	-2.316
156	-.667	.187	-.148	-1.770
183	.329	.136	.844	-.029
184	-.104	.110	.364	-.535
185	-.812	.186	-.353	-1.723
186	-.574	.147	-.162	-1.451
72	-.758	.223	.308	-1.693
73	-.597	.228	.309	-1.381
74	-.511	.189	.424	-1.174
75	-.478	.132	.162	-1.012
76	-.545	.120	-.085	-1.023
77	-.623	.153	-.239	-1.383

RERUNS OF RENAISSANCE CENTER
 ELEVATOR SHEDDING OUTER BUILDING
 NOV. 1974

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WIND DIRECTION 10 TEMPERATURE 77.10 DEGREES F
 BAROMETRIC PRESS 24.43 IN HG VELOCITY 55.84 FPS

PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
110	.529	.157	1.108	.042
111	-.093	.130	.701	-1.299
112	-1.065	.303	.056	-2.481
113	-.902	.281	-.091	-2.594
153	.442	.142	.880	.035
154	-.136	.150	.407	-.759
155	-.872	.218	.235	-1.973
156	-.684	.161	-.262	-1.705
183	.322	.135	.821	-.034
184	-.112	.121	.324	-.712
185	-.862	.192	-.361	-1.804
186	-.660	.167	-.305	-1.515
72	-.865	.300	.674	-1.986
73	-.607	.295	.526	-1.631
74	-.486	.229	.246	-1.555
75	-.456	.163	.263	-1.187
76	-.562	.149	.197	-1.196
77	-.698	.176	-.241	-1.475

RERUNS OF RENAISSANCE CENTER
 ELEVATOR SHEDDING OUTER BUILDING
 NOV. 1974

WIND DIRECTION 15 TEMPERATURE 77.50 DEGREES F
 BAROMETRIC PRESS 24.43 IN HG VELOCITY 55.86 FPS

PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
110	.498	.156	1.055	.007
111	-.102	.204	.782	-1.016
112	-1.068	.303	.683	-2.336
113	-.916	.261	-.284	-2.062
153	.415	.143	.895	.043
154	-.167	.168	.547	-.920
155	-.913	.237	-.133	-1.989
156	-.718	.182	-.316	-1.858
183	.285	.117	.741	-.119
184	-.139	.134	.249	-.639
185	-.907	.212	-.407	-1.823
186	-.718	.200	-.246	-1.855
72	-1.135	.304	.999	-2.377
73	-.858	.351	.494	-1.988
74	-.682	.313	.421	-1.750
75	-.590	.234	.196	-1.589
76	-.606	.181	-.039	-1.532
77	-.705	.174	-.151	-1.578

RERUNS OF RENAISSANCE CENTER
 ELEVATOR SHEDDING OUTER BUILDING
 NOV. 1974

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WIND DIRECTION 20 TEMPERATURE 77.90 DEGREES F
 BAROMETRIC PRESS 24.43 IN HG VELOCITY 55.98 FPS

PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
110	.497	.160	1.142	.052
111	-.265	.208	.609	-1.108
112	-1.023	.224	-.261	-2.442
113	-.882	.173	-.372	-1.825
153	.395	.145	.857	-.086
154	-.326	.195	.304	-1.207
155	-1.045	.246	-.333	-1.997
156	-.833	.189	-.241	-1.857
183	.296	.123	.857	-.130
184	-.253	.148	.337	-.836
185	-1.166	.241	-.606	-2.119
186	-.937	.254	-.361	-2.055
72	-1.058	.167	-.588	-1.833
73	-.935	.166	-.160	-1.832
74	-.840	.189	-.079	-1.663
75	-.733	.201	.015	-1.553
76	-.665	.190	-.028	-1.404
77	-.619	.153	-.113	-1.291

RERUNS OF RENAISSANCE CENTER
 ELEVATOR SHEDDING OUTER BUILDING
 NOV. 1974

WIND DIRECTION 25 TEMPERATURE 78.30 DEGREES F
 BAROMETRIC PRESS 24.43 IN HG VELOCITY 55.74 FPS

PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
110	.445	.167	.988	-.214
111	-.437	.206	.236	-1.248
112	-1.035	.239	-.598	-2.227
113	-.891	.153	-.483	-1.742
153	.375	.148	.890	-.179
154	-.467	.185	.080	-1.259
155	-1.038	.247	-.488	-2.238
156	-.745	.141	-.374	-1.608
183	.270	.130	.716	-.196
184	-.388	.186	.193	-1.329
185	-1.279	.252	-.675	-2.666
186	-.932	.228	-.473	-2.204
72	-.906	.138	-.443	-1.625
73	-.868	.133	-.421	-1.455
74	-.739	.115	-.347	-1.163
75	-.431	.081	-.135	-.720
76	-.665	.154	-.110	-1.539
77	-.594	.132	-.142	-1.220

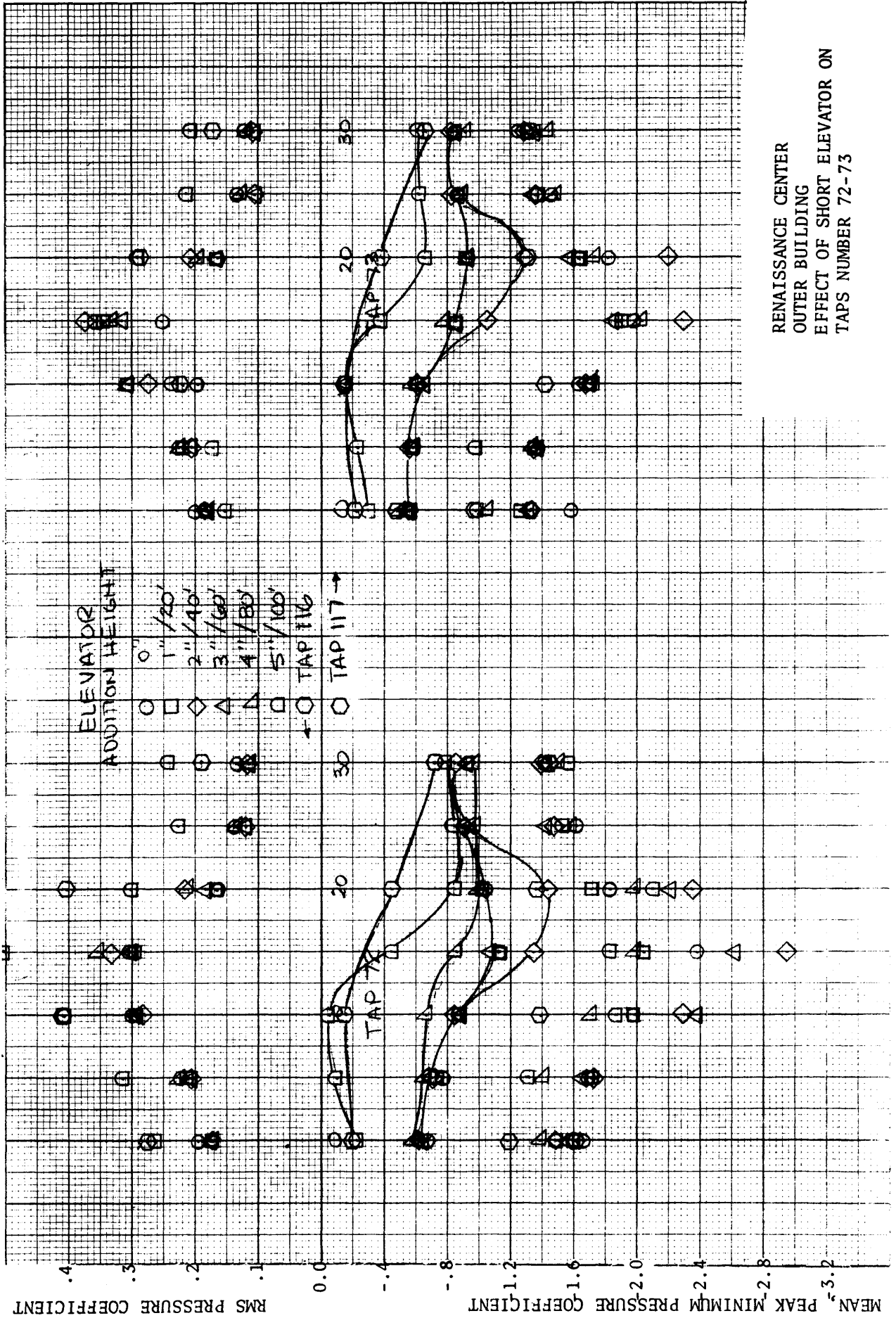
RERUNS OF RENAISSANCE CENTER
ELEVATOR SHEDDING OUTER BUILDING
NOV. 1974

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WIND DIRECTION 30 TEMPERATURE 78.70 DEGREES F
BAROMETRIC PRESS 24.43 IN HG VELOCITY 55.78 FPS

PRFSSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
110	.419	.167	.938	-.503
111	-.579	.216	.136	-1.847
112	-1.081	.258	-.614	-2.676
113	-.936	.159	-.523	-1.665
153	.318	.162	.904	-.328
154	-.599	.216	.058	-1.481
155	-1.041	.257	-.499	-2.279
156	-.670	.119	-.374	-1.717
183	.265	.130	.707	-.177
184	-.543	.203	.059	-1.313
185	-1.393	.268	-.688	-2.317
186	-.893	.201	-.437	-1.887
72	-.923	.138	-.548	-1.405
73	-.850	.126	-.502	-1.303
74	-.811	.122	-.419	-1.250
75	-.748	.128	-.298	-1.331
76	-.683	.158	-.105	-1.420
77	-.617	.144	-.094	-1.369

SECTION 4
ELEVATOR VORTEX



RENAISSANCE CENTER
 OUTER BUILDING
 EFFECT OF SHORT ELEVATOR ON
 TAPS NUMBER 72-73

RERUNS OF RENAISSANCE CENTER
 EFFECT OF SMALL ELEVATOR TOWER ON TAPS 72-77 OUTER BUILDING
 ELEVATOR HEIGHT - 1"/20' DATA TAKEN NOV. 1974
 WIND DIRECTION 0 TEMPERATURE 78.20 DEGREES F
 BAROMETRIC PRESS 24.43 IN HG VELOCITY 55.62 FPS

PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
72	-.628	.173	.150	-1.588
73	-.537	.180	.158	-1.257
74	-.504	.149	.170	-1.086
75	-.494	.115	-.134	-.972
76	-.564	.117	-.196	-1.112
77	-.625	.138	-.243	-1.264

RERUNS OF RENAISSANCE CENTER
 EFFECT OF SMALL ELEVATOR TOWER ON TAPS 72-77 OUTER BUILDING
 ELEVATOR HEIGHT 1"/20' DATA TAKEN NOV. 1974
 WIND DIRECTION 5 TEMPERATURE 78.80 DEGREES F
 BAROMETRIC PRESS 24.43 IN HG VELOCITY 55.71 FPS

PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
72	-.725	.211	.069	-1.719
73	-.581	.218	.173	-1.355
74	-.511	.180	.220	-1.194
75	-.492	.135	-.044	-.994
76	-.549	.121	-.051	-1.035
77	-.617	.139	-.219	-1.183

RERUNS OF RENAISSANCE CENTER
 EFFECT OF SMALL ELEVATOR TOWER ON TAPS 72-77 OUTER BUILDING
 ELEVATOR HEIGHT 1"/20' DATA TAKEN NOV. 1974
 WIND DIRECTION 10 TEMPERATURE 79.00 DEGREES F
 BAROMETRIC PRESS 24.43 IN HG VELOCITY 56.08 FPS

PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
72	-.880	.294	.326	-1.998
73	-.625	.305	.749	-1.705
74	-.502	.240	.580	-1.496
75	-.477	.176	.366	-1.287
76	-.571	.171	.058	-1.332
77	-.714	.181	-.232	-1.456

RERUNS OF RENAISSANCE CENTER
 EFFECT OF SMALL ELEVATOR TOWER ON TAPS 72-77 OUTER BUILDING
 ELEVATOR HEIGHT 1" / 20' DATA TAKEN NOV. 1974
 WIND DIRECTION 15 TEMPERATURE 79.10 DEGREES F
 BAROMETRIC PRESS 24.43 IN HG VELOCITY 55.92 FPS

PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
72	-1.113	.295	.568	-2.064
73	-.848	.343	.448	-1.897
74	-.676	.286	.193	-1.646
75	-.601	.214	.148	-1.340
76	-.637	.185	-.032	-1.551
77	-.716	.173	-.158	-1.439

RERUNS OF RENAISSANCE CENTER
 EFFECT OF SMALL ELEVATOR TOWER ON TAPS 72-77 OUTER BUILDING
 ELEVATOR HEIGHT 1" / 20' DATA TAKEN NOV. 1974
 WIND DIRECTION 20 TEMPERATURE 79.30 DEGREES F
 BAROMETRIC PRESS 24.43 IN HG VELOCITY 56.00 FPS

PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
72	-1.020	.169	-.296	-1.712
73	-.911	.164	.176	-1.630
74	-.828	.171	.117	-1.558
75	-.739	.174	.001	-1.350
76	-.658	.201	.198	-1.420
77	-.619	.154	-.154	-1.477

RERUNS OF RENAISSANCE CENTER
 EFFECT OF SMALL ELEVATOR TOWER ON TAPS 72-77 OUTER BUILDING
 ELEVATOR HEIGHT 2" / 20' DATA TAKEN NOV. 1974
 WIND DIRECTION 0 TEMPERATURE 80.10 DEGREES F
 BAROMETRIC PRESS 24.43 IN HG VELOCITY 55.75 FPS

PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
72	-.614	.177	.018	-1.483
73	-.531	.181	.087	-1.333
74	-.506	.149	.071	-1.126
75	-.498	.116	-.071	-1.000
76	-.538	.112	-.193	-.965
77	-.582	.128	-.231	-1.187

RERUNS OF RENAISSANCE CENTER
 EFFECT OF SMALL ELEVATOR TOWER ON TAPS 72-77 OUTER BUILDING
 ELEVATOR HEIGHT 2"/40' DATA TAKEN NOV. 1974
 WIND DIRECTION 5° TEMPERATURE 80.10 DEGREES F
 BAROMETRIC PRESS 24.43 IN HG VELOCITY 55.90 FPS

PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
72	-.694	.206	.081	-1.748
73	-.567	.208	.262	-1.351
74	-.510	.178	.265	-1.180
75	-.470	.129	.115	-.939
76	-.552	.125	-.156	-1.089
77	-.625	.138	-.260	-1.196

RERUNS OF RENAISSANCE CENTER
 EFFECT OF SMALL ELEVATOR TOWER ON TAPS 72-77 OUTER BUILDING
 ELEVATOR HEIGHT 2"/40' DATA TAKEN NOV. 1974
 WIND DIRECTION 10 TEMPERATURE 80.00 DEGREES F
 BAROMETRIC PRESS 24.43 IN HG VELOCITY 55.80 FPS

PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
72	-.847	.280	.489	-2.290
73	-.624	.276	.422	-1.666
74	-.504	.221	.269	-1.305
75	-.436	.160	.214	-1.166
76	-.577	.166	.092	-1.522
77	-.698	.168	-.284	-1.408

RERUNS OF RENAISSANCE CENTER
 EFFECT OF SMALL ELEVATOR TOWER ON TAPS 72-77 OUTER BUILDING
 ELEVATOR HEIGHT 2"/40' DATA TAKEN NOV. 1974
 WIND DIRECTION 15 TEMPERATURE 79.80 DEGREES F
 BAROMETRIC PRESS 24.43 IN HG VELOCITY 49.94 FPS

PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
72	-1.340	.334	.299	-2.905
73	-1.044	.376	.409	-2.285
74	-.816	.309	.401	-1.777
75	-.630	.217	.155	-1.313
76	-.815	.236	.107	-1.900
77	-.889	.211	-.339	-1.831

RERUNS OF RENAISSANCE CENTER
 EFFECT OF SMALL ELEVATOR TOWER ON TAPS 72-77 OUTER BUILDING
 ELEVATOR HEIGHT 2" / 40'
 WIND DIRECTION 20 TEMPERATURE 79.80 DEGREES F
 BAROMETRIC PRESS 24.43 IN HG VELOCITY 46.84 FPS

PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
72	-1.426	.218	-.793	-2.352
73	-1.287	.210	-.256	-2.200
74	-1.164	.210	-.032	-2.054
75	-1.012	.203	-.154	-1.700
76	-.967	.250	-.006	-1.970
77	-.897	.215	-.112	-1.738

RERUNS OF RENAISSANCE CENTER
 EFFECT OF SMALL ELEVATOR TOWER ON TAPS 72-77 OUTER BUILDING
 ELEVATOR HEIGHT 2" / 40'
 WIND DIRECTION 25 TEMPERATURE 80.00 DEGREES F
 BAROMETRIC PRESS 24.43 IN HG VELOCITY 55.75 FPS

PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
72	-.904	.121	-.581	-1.473
73	-.826	.108	-.504	-1.350
74	-.771	.107	-.423	-1.264
75	-.711	.120	-.202	-1.273
76	-.670	.158	-.103	-1.364
77	-.614	.142	-.111	-1.234

RERUNS OF RENAISSANCE CENTER
 EFFECT OF SMALL ELEVATOR TOWER ON TAPS 72-77 OUTER BUILDING
 ELEVATOR HEIGHT 2" / 40'
 WIND DIRECTION 30 TEMPERATURE 80.20 DEGREES F
 BAROMETRIC PRESS 24.43 IN HG VELOCITY 56.11 FPS

PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
72	-.841	.117	-.497	-1.379
73	-.815	.108	-.423	-1.283
74	-.668	.089	-.345	-1.073
75	-.434	.071	-.139	-.780
76	-.677	.160	-.029	-1.412
77	-.629	.146	-.015	-1.240

RERUNS OF RENAISSANCE CENTER
 EFFECT OF SMALL ELEVATOR TOWER ON TAPS 72-77 OUTER BUILDING
 ELEVATOR HEIGHT 3"/60' DATA TAKEN NOV. 1974
 WIND DIRECTION 0 TEMPERATURE 80.60 DEGREES F
 BAROMETRIC PRESS 24.43 IN HG VELOCITY 53.63 FPS

PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
72	-.645	.176	-.011	-1.566
73	-.558	.179	.093	-1.312
74	-.529	.160	.002	-1.242
75	-.508	.124	-.040	-1.091
76	-.574	.118	-.168	-1.022
77	-.636	.140	-.253	-1.311

RERUNS OF RENAISSANCE CENTER
 EFFECT OF SMALL ELEVATOR TOWER ON TAPS 72-77 OUTER BUILDING
 ELEVATOR HEIGHT 3"/60' DATA TAKEN NOV. 1974
 WIND DIRECTION 5 TEMPERATURE 80.00 DEGREES F
 BAROMETRIC PRESS 24.43 IN HG VELOCITY 55.45 FPS

PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
72	-.686	.203	.491	-1.646
73	-.574	.204	.391	-1.370
74	-.524	.190	.195	-1.282
75	-.499	.153	.113	-1.122
76	-.554	.125	-.068	-1.111
77	-.630	.142	-.274	-1.263

RERUNS OF RENAISSANCE CENTER
 EFFECT OF SMALL ELEVATOR TOWER ON TAPS 72-77 OUTER BUILDING
 ELEVATOR HEIGHT 3"/60' DATA TAKEN NOV. 1974
 WIND DIRECTION 10 TEMPERATURE 79.90 DEGREES F
 BAROMETRIC PRESS 24.43 IN HG VELOCITY 52.76 FPS

PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
72	-.899	.296	.513	-2.385
73	-.678	.308	.509	-1.707
74	-.582	.282	.655	-1.570
75	-.532	.225	.299	-1.323
76	-.648	.196	.211	-1.508
77	-.800	.193	-.282	-1.765

RERUNS OF RENAISSANCE CENTER
 EFFECT OF SMALL ELEVATOR TOWER ON TAPS 72-77 OUTER BUILDING
 ELEVATOR HEIGHT 3"/60' DATA TAKEN NOV. 1974
 WIND DIRECTION 15 TEMPERATURE 80.00 DEGREES F
 BAROMETRIC PRESS 24.43 IN HG VELOCITY 55.72 FPS

PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
72	-1.070	.306	.195	-2.618
73	-.853	.317	.304	-1.857
74	-.737	.298	.383	-1.697
75	-.658	.256	.157	-1.826
76	-.676	.210	.120	-1.631
77	-.742	.175	-.244	-1.442

RERUNS OF RENAISSANCE CENTER
 EFFECT OF SMALL ELEVATOR TOWER ON TAPS 72-77 OUTER BUILDING
 ELEVATOR HEIGHT 3"/60' DATA TAKEN NOV. 1974
 WIND DIRECTION 20 TEMPERATURE 80.00 DEGREES F
 BAROMETRIC PRESS 24.43 IN HG VELOCITY 55.83 FPS

PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
72	-1.032	.184	-.383	-2.207
73	-.934	.165	-.003	-1.567
74	-.850	.165	.114	-1.546
75	-.768	.163	-.066	-1.457
76	-.700	.167	0.000	-1.471
77	-.659	.150	-.073	-1.463

RERUNS OF RENAISSANCE CENTER
 EFFECT OF SMALL ELEVATOR TOWER ON TAPS 72-77 OUTER BUILDING
 ELEVATOR HEIGHT 3"/60' DATA TAKEN NOV. 1974
 WIND DIRECTION 25 TEMPERATURE 80.10 DEGREES F
 BAROMETRIC PRESS 24.43 IN HG VELOCITY 55.86 FPS

PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
72	-.940	.120	-.607	-1.422
73	-.880	.109	-.568	-1.328
74	-.831	.105	-.455	-1.241
75	-.764	.109	-.318	-1.244
76	-.679	.125	-.181	-1.296
77	-.619	.117	-.162	-1.161

RERUNS OF RENAISSANCE CENTER
 EFFECT OF SMALL ELEVATOR TOWER ON TAPS 72-77 OUTER BUILDING
 ELEVATOR HEIGHT 3"/60' DATA TAKEN NOV. 1974
 WIND DIRECTION 30 TEMPERATURE 80.70 DEGREES F
 BAROMETRIC PRESS 24.43 IN HG VELOCITY 56.00 FPS

PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
72	-.921	.115	-.532	-1.431
73	-.868	.108	-.525	-1.359
74	-.827	.106	-.489	-1.417
75	-.764	.110	-.245	-1.387
76	-.697	.126	-.203	-1.352
77	-.644	.123	-.189	-1.228

RERUNS OF RENAISSANCE CENTER
 EFFECT OF SMALL ELEVATOR TOWER ON TAPS 72-77 OUTER BUILDING
 ELEVATOR HEIGHT 4"/80' DATA TAKEN NOV. 1974
 WIND DIRECTION 0 TEMPERATURE 81.00 DEGREES F
 BAROMETRIC PRESS 24.43 IN HG VELOCITY 55.94 FPS

PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
72	-.575	.172	.118	-1.395
73	-.492	.171	.132	-1.042
74	-.451	.145	.070	-.933
75	-.444	.115	-.034	-.904
76	-.515	.107	-.132	-.994
77	-.596	.123	-.277	-1.108

RERUNS OF RENAISSANCE CENTER
 EFFECT OF SMALL ELEVATOR TOWER ON TAPS 72-77 OUTER BUILDING
 ELEVATOR HEIGHT 4"/80' DATA TAKEN NOV. 1974
 WIND DIRECTION 5 TEMPERATURE 80.00 DEGREES F
 BAROMETRIC PRESS 24.43 IN HG VELOCITY 55.71 FPS

PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
72	-.658	.224	.424	-1.401
73	-.571	.223	.415	-1.331
74	-.503	.193	.360	-1.151
75	-.469	.151	.222	-.976
76	-.550	.136	-.042	-1.199
77	-.659	.142	-.280	-1.274

RERUNS OF RENAISSANCE CENTER
 EFFECT OF SMALL ELEVATOR TOWER ON TAPS 72-77 OUTER BUILDING
 ELEVATOR HEIGHT 4"/80'
 DATA TAKEN NOV. 1974
 WIND DIRECTION 10 TEMPERATURE 80.00 DEGREES F
 BAROMETRIC PRESS 24.43 IN HG VELOCITY 55.82 FPS

PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
72	-.668	.297	.592	-1.716
73	-.571	.303	.560	-1.693
74	-.478	.260	.584	-1.507
75	-.437	.202	.386	-1.231
76	-.539	.173	.070	-1.348
77	-.726	.171	-.193	-1.471

RERUNS OF RENAISSANCE CENTER
 EFFECT OF SMALL ELEVATOR TOWER ON TAPS 72-77 OUTER BUILDING
 ELEVATOR HEIGHT 4"/80'
 DATA TAKEN NOV. 1974
 WIND DIRECTION 15 TEMPERATURE 80.10 DEGREES F
 BAROMETRIC PRESS 24.43 IN HG VELOCITY 55.94 FPS

PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
72	-.854	.353	.818	-1.996
73	-.786	.332	.656	-2.035
74	-.671	.298	.367	-1.871
75	-.575	.239	.276	-1.548
76	-.607	.187	.011	-1.352
77	-.728	.167	-.261	-1.385

RERUNS OF RENAISSANCE CENTER
 EFFECT OF SMALL ELEVATOR TOWER ON TAPS 72-77 OUTER BUILDING
 ELEVATOR HEIGHT 4"/80'
 DATA TAKEN NOV. 1974
 WIND DIRECTION 20 TEMPERATURE 80.30 DEGREES F
 BAROMETRIC PRESS 24.43 IN HG VELOCITY 55.92 FPS

PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
72	-1.002	.211	.154	-1.937
73	-.945	.194	.069	-1.731
74	-.861	.193	.246	-1.893
75	-.753	.190	.029	-1.507
76	-.682	.182	-.029	-1.359
77	-.673	.153	-.166	-1.365

RERUNS OF RENAISSANCE CENTER
 EFFECT OF SMALL ELEVATOR TOWER ON TAPS 72-77 OUTER BUILDING
 ELEVATOR HEIGHT 4" / 80' DATA TAKEN NOV. 1974
 WIND DIRECTION 25 TEMPERATURE 80.50 DEGREES F
 BAROMETRIC PRESS 24.43 IN HG VELOCITY 56.06 FPS

PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
72	-.966	.136	-.543	-1.568
73	-.909	.128	-.447	-1.480
74	-.842	.121	-.447	-1.396
75	-.759	.120	-.300	-1.384
76	-.684	.130	-.200	-1.255
77	-.634	.121	-.209	-1.166

RERUNS OF RENAISSANCE CENTER
 EFFECT OF SMALL ELEVATOR TOWER ON TAPS 72-77 OUTER BUILDING
 ELEVATOR HEIGHT 4" / 80' DATA TAKEN NOV. 1974
 WIND DIRECTION 30 TEMPERATURE 80.80 DEGREES F
 BAROMETRIC PRESS 24.43 IN HG VELOCITY 56.02 FPS

PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
72	-.967	.126	-.477	-1.500
73	-.917	.119	-.474	-1.440
74	-.855	.119	-.474	-1.438
75	-.772	.119	-.235	-1.185
76	-.704	.137	-.179	-1.352
77	-.658	.126	-.203	-1.135

RERUNS OF RENAISSANCE CENTER
 EFFECT OF SMALL ELEVATOR TOWER ON TAPS 72-77 OUTER BUILDING
 ELEVATOR HEIGHT 5" / 100' DATA TAKEN NOV. 1974
 WIND DIRECTION 0 TEMPERATURE 81.20 DEGREES F
 BAROMETRIC PRESS 24.43 IN HG VELOCITY 55.62 FPS

PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
72	-.225	.266	.987	-1.493
73	-.296	.153	.307	-1.001
74	-.354	.122	.256	-.788
75	-.403	.106	.017	-.788
76	-.528	.108	-.089	-1.051
77	-.641	.129	-.281	-1.253

RERUNS OF RENAISSANCE CENTER
 EFFECT OF SMALL ELEVATOR TOWER ON TAPS 72-77 OUTER BUILDING
 ELEVATOR HEIGHT 5"/100'
 WIND DIRECTION 5 TEMPERATURE 80.30 DEGREES F
 BAROMETRIC PRESS 24.43 IN HG VELOCITY 55.61 FPS

PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
72	-.092	.314	1.078	-1.310
73	-.223	.173	.336	-.968
74	-.309	.133	.359	-.812
75	-.367	.113	.153	-.790
76	-.511	.110	-.084	-.914
77	-.663	.130	-.319	-1.202

RERUNS OF RENAISSANCE CENTER
 EFFECT OF SMALL ELEVATOR TOWER ON TAPS 72-77 OUTER BUILDING
 ELEVATOR HEIGHT 5"/100'
 WIND DIRECTION 10 TEMPERATURE 80.10 DEGREES F
 BAROMETRIC PRESS 24.43 IN HG VELOCITY 55.84 FPS

PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
72	-.069	.408	1.480	-1.875
73	-.158	.236	.883	-1.713
74	-.252	.177	.526	-.996
75	-.328	.154	.338	-.902
76	-.501	.148	.052	-1.066
77	-.738	.166	-.162	-1.380

RERUNS OF RENAISSANCE CENTER
 EFFECT OF SMALL ELEVATOR TOWER ON TAPS 72-77 OUTER BUILDING
 ELEVATOR HEIGHT 5"/100'
 WIND DIRECTION 15 TEMPERATURE 80.10 DEGREES F
 BAROMETRIC PRESS 24.43 IN HG VELOCITY 55.98 FPS

PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
72	-.440	.505	1.110	-1.830
73	-.373	.355	.637	-1.873
74	-.353	.238	.445	-1.408
75	-.382	.176	.206	-1.427
76	-.542	.156	.062	-1.237
77	-.733	.159	-.129	-1.396

RERUNS OF RENAISSANCE CENTER
 EFFECT OF SMALL ELEVATOR TOWER ON TAPS 72-77 OUTER BUILDING
 ELEVATOR HEIGHT 5" / 100'
 DATA TAKEN NOV. 1974
 WIND DIRECTION 20 TEMPERATURE 80.20 DEGREES F
 BAROMETRIC PRESS 24.43 IN HG VELOCITY 56.01 FPS

PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
72	-.846	.302	.812	-2.104
73	-.657	.291	.387	-1.665
74	-.512	.246	.351	-1.460
75	-.474	.199	.133	-1.421
76	-.547	.155	.115	-1.180
77	-.643	.128	-.179	-1.194

RERUNS OF RENAISSANCE CENTER
 EFFECT OF SMALL ELEVATOR TOWER ON TAPS 72-77 OUTER BUILDING
 ELEVATOR HEIGHT 5" / 100"
 DATA TAKEN NOV. 1974
 WIND DIRECTION 25 TEMPERATURE 80.40 DEGREES F
 BAROMETRIC PRESS 24.43 IN HG VELOCITY 55.97 FPS

PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
72	-.815	.229	.312	-1.535
73	-.624	.213	.179	-1.378
74	-.561	.190	.209	-1.322
75	-.552	.160	.105	-1.136
76	-.574	.125	-.042	-1.147
77	-.637	.111	-.230	-1.114

RERUNS OF RENAISSANCE CENTER
 EFFECT OF SMALL ELEVATOR TOWER ON TAPS 72-77 OUTER BUILDING
 ELEVATOR HEIGHT 5" / 100'
 DATA TAKEN NOV. 1974
 WIND DIRECTION 30 TEMPERATURE 80.60 DEGREES F
 BAROMETRIC PRESS 24.43 IN HG VELOCITY 55.84 FPS

PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
72	-.775	.242	.338	-1.560
73	-.601	.209	.137	-1.265
74	-.578	.181	.075	-1.195
75	-.571	.152	-.055	-1.213
76	-.593	.128	-.025	-1.175
77	-.649	.113	-.238	-1.068

RENAISSANCE CENTER RERUNS EFFECT OF SMALL ELEVATOR OFFICE BUILDING
T3 ON CENTER BUILDING - ADDED HEIGHT ON ELEVATOR 0 INCHES
NOV. 1974

WIND DIRECTION 255 TEMPERATURE 76.80 DEGREES F
BAROMETRIC PRESS 24.67 IN HG VELOCITY 56.32 FPS

PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
41	-.228	.094	.039	-.594
42	-.355	.068	-.116	-.656
45	-.487	.093	-.134	-.882

RENAISSANCE CENTER RERUNS EFFECT OF SMALL ELEVATOR OFFICE BUILDING
T3 ON CENTER BUILDING - ADDED HEIGHT ON ELEVATOR 0 INCHES
NOV. 1974

WIND DIRECTION 260 TEMPERATURE 75.80 DEGREES F
BAROMETRIC PRESS 24.67 IN HG VELOCITY 55.88 FPS

PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
41	-.291	.092	-.007	-.665
42	-.388	.068	-.159	-.667
45	-.474	.088	-.143	-.849

RENAISSANCE CENTER RERUNS EFFECT OF SMALL ELEVATOR OFFICE BUILDING
T3 ON CENTER BUILDING - ADDED HEIGHT ON ELEVATOR 0 INCHES
NOV. 1974

WIND DIRECTION 265 TEMPERATURE 75.80 DEGREES F
BAROMETRIC PRESS 24.67 IN HG VELOCITY 56.10 FPS

PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
41	-.353	.102	.046	-.705
42	-.390	.064	-.128	-.632
45	-.427	.086	-.087	-.721

RENAISSANCE CENTER RERUNS EFFECT OF SMALL ELEVATOR OFFICE BUILDING
T3 ON CENTER BUILDING - ADDED HEIGHT ON ELEVATOR 0 INCHES
NOV. 1974

WIND DIRECTION 270 TEMPERATURE 76.00 DEGREES F
BAROMETRIC PRESS 24.67 IN HG VELOCITY 55.76 FPS

PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
41	-.397	.094	-.097	-.756
42	-.399	.069	-.159	-.663
45	-.418	.098	-.083	-.776

RENAISSANCE CENTER RERUNS EFFECT OF SMALL ELEVATOR OFFICE BUILDING
T3 ON CENTER BUILDING - ADDED HEIGHT ON ELEVATOR 0 INCHES
NOV. 1974

WIND DIRECTION 275 TEMPERATURE 76.00 DEGREES F
BAROMETRIC PRESS 24.67 IN HG VELOCITY 55.72 FPS

PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
41	-.411	.089	-.146	-.812
42	-.399	.077	-.099	-.652
45	-.394	.099	-.009	-.745

RENAISSANCE CENTER RERUNS EFFECT OF SMALL ELEVATOR OFFICE BUILDING
T3 ON CENTER BUILDING - ADDED HEIGHT ON ELEVATOR 0 INCHES
NOV. 1974

WIND DIRECTION 280 TEMPERATURE 77.00 DEGREES F
BAROMETRIC PRESS 24.67 IN HG VELOCITY 55.87 FPS

PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
41	-.417	.084	-.152	-.724
42	-.374	.075	-.104	-.680
45	-.390	.108	.009	-.839

RENAISSANCE CENTER RERUNS EFFECT OF SMALL ELEVATOR OFFICE BUILDING
T3 ON CENTER BUILDING - ADDED HEIGHT ON ELEVATOR 0 INCHES
NOV. 1974

WIND DIRECTION ~~280~~ 255 TEMPERATURE 76.00 DEGREES F
BAROMETRIC PRESS 24.67 IN HG VELOCITY 56.05 FPS

PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
41	-.309	.088	-.043	-.658
42	-.396	.066	-.126	-.665
45	-.495	.091	-.119	-.917

RENAISSANCE CENTER RERUNS EFFECT OF SMALL ELEVATOR OFFICE BUILDING
T3 ON CENTER BUILDING - ADDED HEIGHT ON ELEVATOR / INCHES
NOV. 1974

WIND DIRECTION 260 TEMPERATURE 76.50 DEGREES F
BAROMETRIC PRESS 24.67 IN HG VELOCITY 56.17 FPS

PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
41	-.350	.095	-.014	-.759
42	-.409	.067	-.196	-.631
45	-.476	.090	-.160	-.852

RENAISSANCE CENTER RERUNS EFFECT OF SMALL ELEVATOR OFFICE BUILDING
T3 ON CENTER BUILDING - ADDED HEIGHT ON ELEVATOR / INCHES
NOV. 1974

WIND DIRECTION 265 TEMPERATURE 76.50 DEGREES F
BAROMETRIC PRESS 24.67 IN HG VELOCITY 55.95 FPS

PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
41	-.395	.095	.002	-.758
42	-.420	.067	-.204	-.634
45	-.444	.089	-.080	-.742

RENAISSANCE CENTER RERUNS EFFECT OF SMALL ELEVATOR OFFICE BUILDING
T3 ON CENTER BUILDING - ADDED HEIGHT ON ELEVATOR / INCHES
NOV. 1974

WIND DIRECTION 270 TEMPERATURE 76.80 DEGREES F
BAROMETRIC PRESS 24.67 IN HG VELOCITY 55.96 FPS

PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
41	-.421	.090	-.126	-.763
42	-.413	.071	-.159	-.682
45	-.420	.093	-.080	-.818

RENAISSANCE CENTER RERUNS EFFECT OF SMALL ELEVATOR OFFICE BUILDING
T3 ON CENTER BUILDING - ADDED HEIGHT ON ELEVATOR / INCHES
NOV. 1974

WIND DIRECTION 275 TEMPERATURE 76.80 DEGREES F
BAROMETRIC PRESS 24.67 IN HG VELOCITY 55.98 FPS

PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
41	-.426	.090	-.129	-.764
42	-.404	.073	-.103	-.783
45	-.398	.099	.117	-.767

RENAISSANCE CENTER RERUNS EFFECT OF SMALL ELEVATOR OFFICE BUILDING
T3 ON CENTER BUILDING - ADDED HEIGHT ON ELEVATOR / INCHES
NOV. 1974

WIND DIRECTION 280 TEMPERATURE 76.80 DEGREES F
BAROMETRIC PRESS 24.67 IN HG VELOCITY 55.60 FPS

PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
41	-.446	.091	-.170	-.740
42	-.389	.082	-.116	-.696
45	-.404	.107	-.035	-.891

RENAISSANCE CENTER RERUNS EFFECT OF SMALL ELEVATOR OFFICE BUILDING
T3 ON CENTER BUILDING - ADDED HEIGHT ON ELEVATOR 2 INCHES
NOV. 1974

WIND DIRECTION 260 TEMPERATURE 77.00 DEGREES F
BAROMETRIC PRESS 24.67 IN HG VELOCITY 55.93 FPS

PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
41	-.431	.082	-.078	-.697
42	-.439	.073	-.175	-.727
45	-.486	.089	-.122	-.785

RENAISSANCE CENTER RERUNS EFFECT OF SMALL ELEVATOR OFFICE BUILDING
T3 ON CENTER BUILDING - ADDED HEIGHT ON ELEVATOR 2 INCHES
NOV. 1974

WIND DIRECTION 255 TEMPERATURE 77.00 DEGREES F
BAROMETRIC PRESS 24.67 IN HG VELOCITY 55.87 FPS

PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
41	-.399	.089	-.030	-.745
42	-.439	.072	-.164	-.763
45	-.514	.089	-.180	-.848

RENAISSANCE CENTER RERUNS EFFECT OF SMALL ELEVATOR OFFICE BUILDING
T3 ON CENTER BUILDING - ADDED HEIGHT ON ELEVATOR 2 INCHES
NOV. 1974

WIND DIRECTION 265 TEMPERATURE 77.30 DEGREES F
BAROMETRIC PRESS 24.67 IN HG VELOCITY 55.78 FPS

PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
41	-.468	.090	-.187	-.803
42	-.445	.075	-.178	-.727
45	-.455	.087	-.081	-.882

RENAISSANCE CENTER RERUNS EFFECT OF SMALL ELEVATOR OFFICE BUILDING
T3 ON CENTER BUILDING - ADDED HEIGHT ON ELEVATOR 2 INCHES
NOV. 1974

WIND DIRECTION 270 TEMPERATURE 77.50 DEGREES F
BAROMETRIC PRESS 24.67 IN HG VELOCITY 55.93 FPS

PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
41	-.483	.090	-.161	-.831
42	-.431	.076	-.159	-.696
45	-.429	.092	-.143	-.790

RENAISSANCE CENTER RERUNS EFFECT OF SMALL ELEVATOR OFFICE BUILDING
T3 ON CENTER BUILDING - ADDED HEIGHT ON ELEVATOR 2 INCHES
NOV. 1974

WIND DIRECTION 275 TEMPERATURE 77.50 DEGREES F
BAROMETRIC PRESS 24.67 IN HG VELOCITY 55.76 FPS

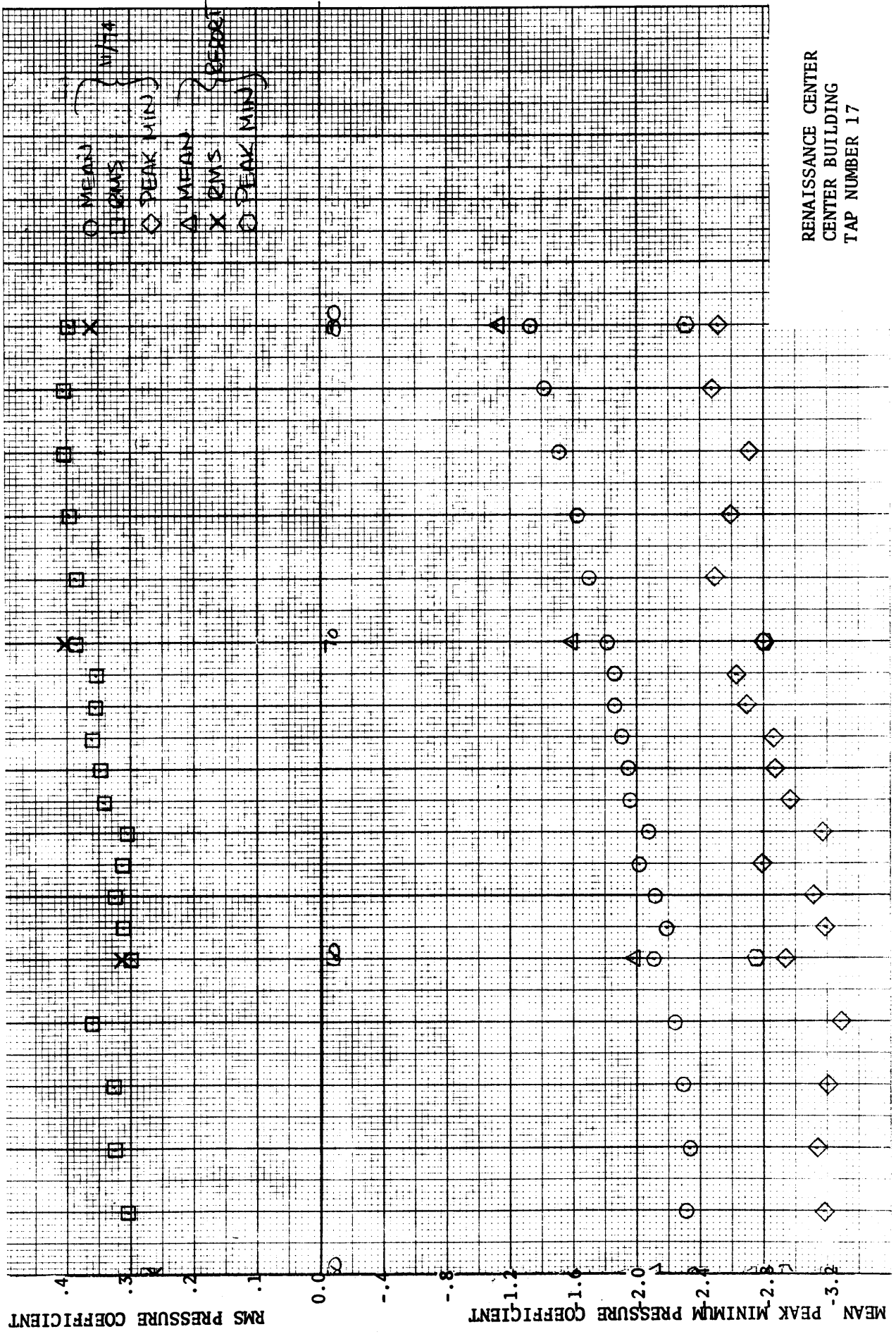
PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
41	-.489	.089	-.229	-.799
42	-.418	.080	-.107	-.681
45	-.415	.098	-.079	-.848

RENAISSANCE CENTER RERUNS EFFECT OF SMALL ELEVATOR OFFICE BUILDING
T3 ON CENTER BUILDING - ADDED HEIGHT ON ELEVATOR 2 INCHES
NOV. 1974

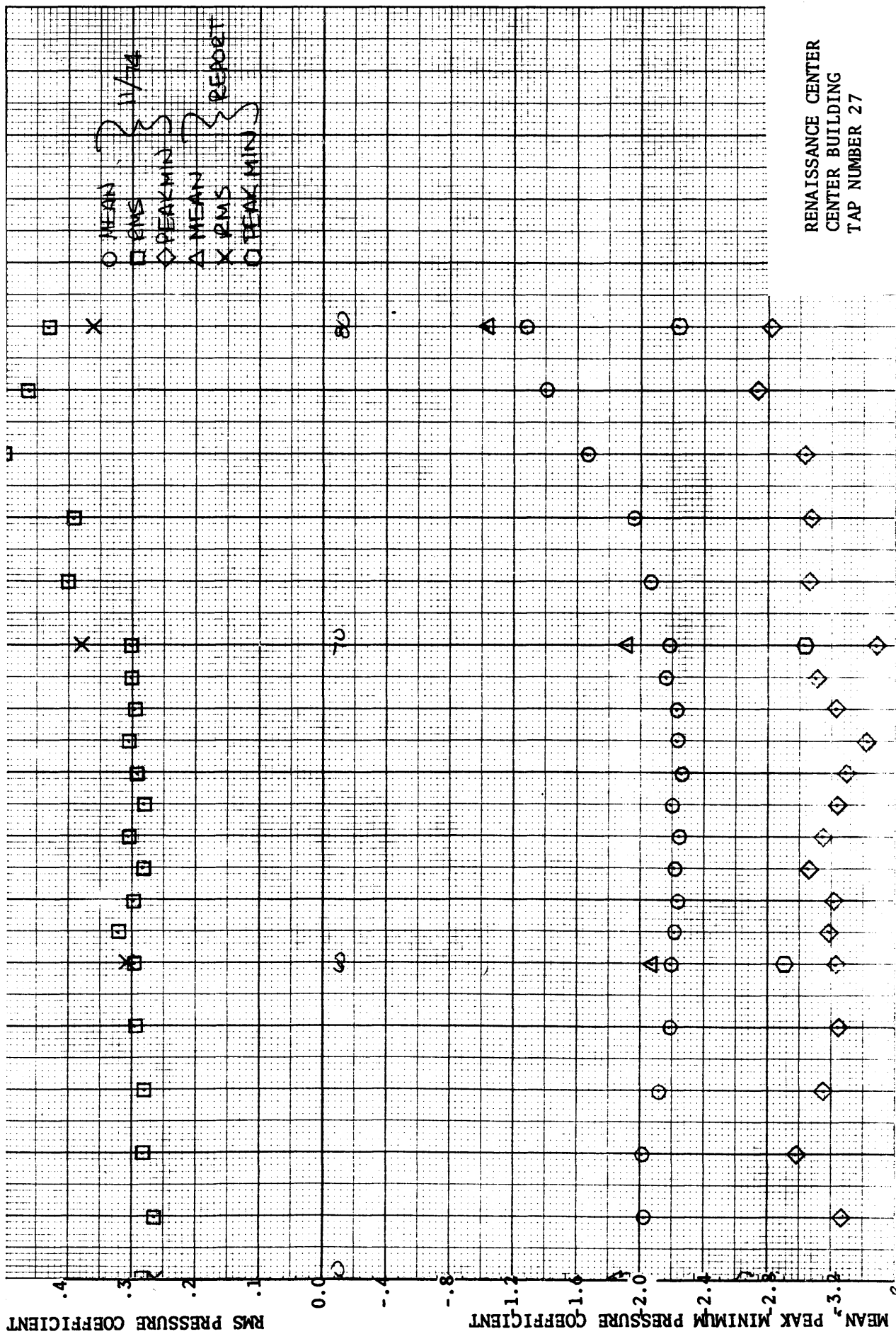
WIND DIRECTION 280 TEMPERATURE 77.50 DEGREES F
BAROMETRIC PRESS 24.67 IN HG VELOCITY 55.48 FPS

PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
41	-.508	.090	-.227	-.777
42	-.401	.084	-.080	-.702
45	-.412	.103	.014	-.775

SECTION 5
CENTER BUILDING



RENAISSANCE CENTER
CENTER BUILDING
TAP NUMBER 17



RENAISSANCE CENTER
CENTER BUILDING
TAP NUMBER 27

RENAISSANCE CENTER PERUNS CENTER BUILDING TAPS 17,27
 NOV. 1974

WIND DIRECTION 50 TEMPERATURE 71.00 DEGREES F
 BAROMETRIC PRESS 24.70 IN HG VELOCITY 55.91 FPS

PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
17	-2.338	.277	-1.273	-3.222
27	-1.923	.283	-.889	-2.874

WIND DIRECTION 52 TEMPERATURE 72.80 DEGREES F
 BAROMETRIC PRESS 24.70 IN HG VELOCITY 55.94 FPS

PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
17	-2.312	.307	-1.069	-3.179
27	-2.016	.267	-.925	-3.268

WIND DIRECTION 54 TEMPERATURE 73.00 DEGREES F
 BAROMETRIC PRESS 24.70 IN HG VELOCITY 55.97 FPS

PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
17	-2.327	.328	-1.157	-3.134
27	-2.034	.284	-1.002	-2.972

WIND DIRECTION 56 TEMPERATURE 73.50 DEGREES F
 BAROMETRIC PRESS 24.70 IN HG VELOCITY 56.07 FPS

PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
17	-2.281	.329	-1.061	-3.200
27	-2.119	.281	-1.267	-3.157

WIND DIRECTION 58 TEMPERATURE 73.70 DEGREES F
 BAROMETRIC PRESS 24.70 IN HG VELOCITY 56.01 FPS

PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
17	-2.236	.361	-.806	-3.284
27	-2.177	.293	-.920	-3.243

WIND DIRECTION 60 TEMPERATURE 74.00 DEGREES F
 BAROMETRIC PRESS 24.70 IN HG VELOCITY 56.35 FPS

PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
17	-2.107	.300	-.869	-2.930
27	-2.179	.294	-1.056	-3.225

RENAISSANCE CENTER RERUNS CENTER BUILDING TAPS 17,27
NOV. 1974

WIND DIRECTION 61 TEMPERATURE 74.00 DEGREES F
BAROMETRIC PRESS 24.70 IN HG VELOCITY 56.08 FPS

PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
17	-2.177	.312	-.823	-3.189
27	-2.205	.324	-.705	-3.196

WIND DIRECTION 62 TEMPERATURE 74.20 DEGREES F
BAROMETRIC PRESS 24.70 IN HG VELOCITY 55.99 FPS

PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
17	-2.116	.328	-.878	-3.114
27	-2.230	.300	-1.243	-3.212

WIND DIRECTION 63 TEMPERATURE 74.50 DEGRFFS F
BAROMETRIC PRESS 24.69 IN HG VELOCITY 56.06 FPS

PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
17	-2.014	.317	-.638	-2.799
27	-2.210	.284	-1.271	-3.061

WIND DIRECTION 64 TEMPERATURE 74.70 DEGREES F
BAROMETRIC PRESS 24.69 IN HG VELOCITY 55.92 FPS

PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
17	-2.072	.306	-.724	-3.162
27	-2.241	.310	-1.145	-3.141

WIND DIRECTION 65 TEMPERATURE 74.90 DEGREES F
BAROMETRIC PRESS 24.69 IN HG VELOCITY 56.31 FPS

PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
17	-1.956	.345	-.506	-2.961
27	-2.194	.282	-.967	-3.232

WIND DIRECTION 66 TEMPERATURE 75.00 DEGREES F
BAROMETRIC PRESS 24.69 IN HG VELOCITY 55.93 FPS

PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
17	-1.944	.350	-.648	-2.874
27	-2.251	.293	-.966	-3.284

RENAISSANCE CENTER RERUNS CENTER BUILDING TAPS 17,27
NOV. 1974

WIND DIRECTION 67 TEMPERATURE 75.00 DEGREES F
BAROMETRIC PRESS 24.69 IN HG VELOCITY 55.94 FPS

PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
17	-1.898	.363	-.472	-2.864
27	-2.233	.307	-.973	-3.435

WIND DIRECTION 68 TEMPERATURE 75.20 DEGREES F
BAROMETRIC PRESS 24.69 IN HG VELOCITY 55.99 FPS

PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
17	-1.865	.356	-.629	-2.684
27	-2.227	.299	-.668	-3.228

WIND DIRECTION 69 TEMPERATURE 75.40 DEGREES F
BAROMETRIC PRESS 24.69 IN HG VELOCITY 56.07 FPS

PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
17	-1.867	.356	-.572	-2.622
27	-2.156	.303	-1.031	-3.099

WIND DIRECTION 70 TEMPERATURE 75.50 DEGREES F
BAROMETRIC PRESS 24.69 IN HG VELOCITY 55.87 FPS

PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
17	-1.807	.387	-.547	-2.793
27	-2.182	.303	-.825	-3.480

WIND DIRECTION 72 TEMPERATURE 75.80 DEGREES F
BAROMETRIC PRESS 24.69 IN HG VELOCITY 55.89 FPS

PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
17	-1.679	.387	-.554	-2.485
27	-2.066	.402	-.563	-3.069

WIND DIRECTION 74 TEMPERATURE 75.80 DEGREES F
BAROMETRIC PRESS 24.67 IN HG VELOCITY 55.79 FPS

PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
17	-1.620	.399	-.482	-2.584
27	-1.951	.394	-.434	-3.075

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NOV. 1974

WIND DIRECTION 76 TEMPERATURE 75.80 DEGREES F
BAROMETRIC PRESS 24.67 IN HG VELOCITY 55.89 FPS

PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
17	-1.510	.404	-.441	-2.697
27	-1.666	.505	-.444	-3.035

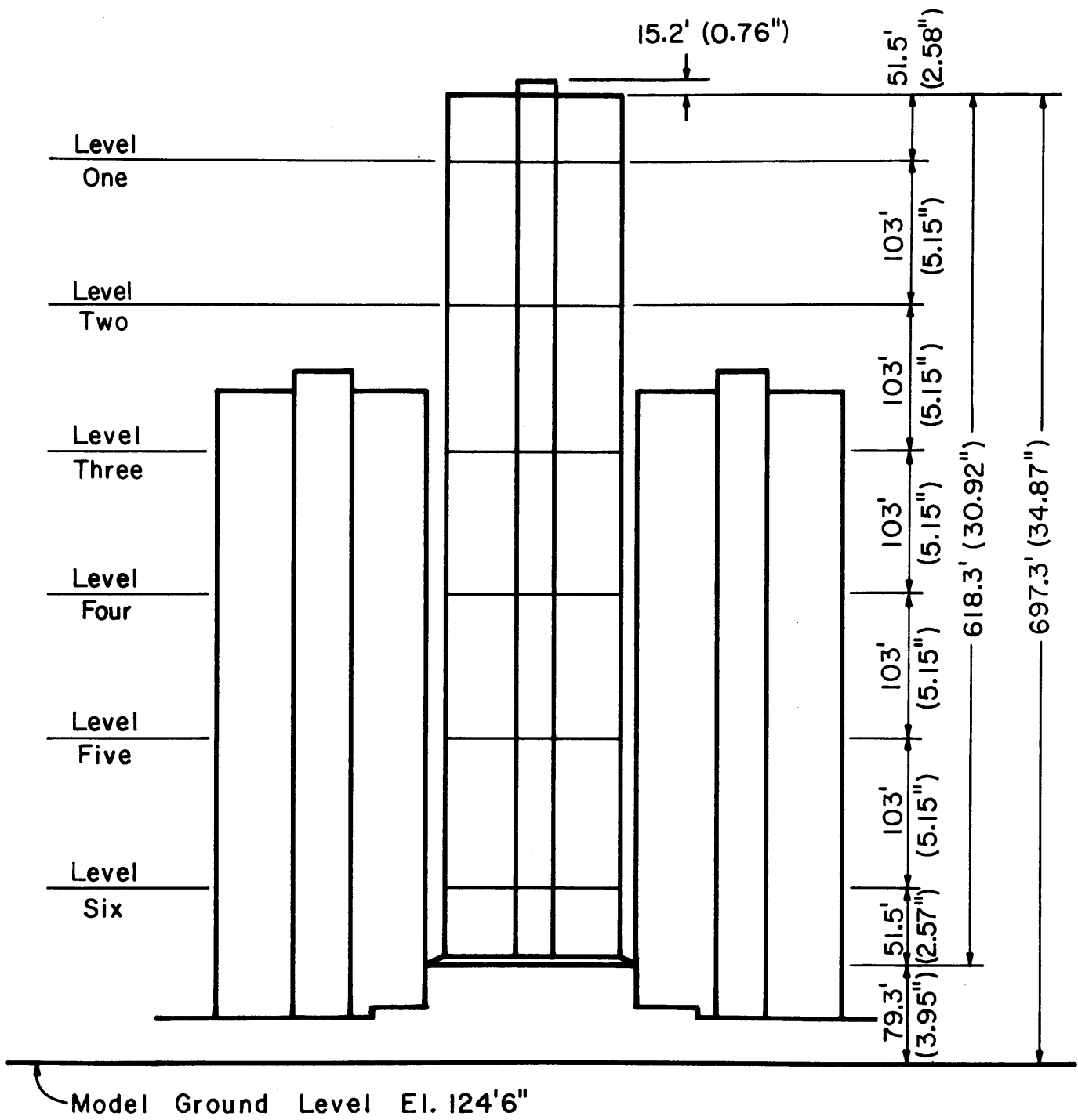
WIND DIRECTION 78 TEMPERATURE 75.90 DEGREES F
BAROMETRIC PRESS 24.67 IN HG VELOCITY 55.85 FPS

PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
17	-1.406	.407	-.456	-2.473
27	-1.391	.466	-.364	-2.733

WIND DIRECTION 80 TEMPERATURE 75.90 DEGREES F
BAROMETRIC PRESS 24.67 IN HG VELOCITY 55.56 FPS

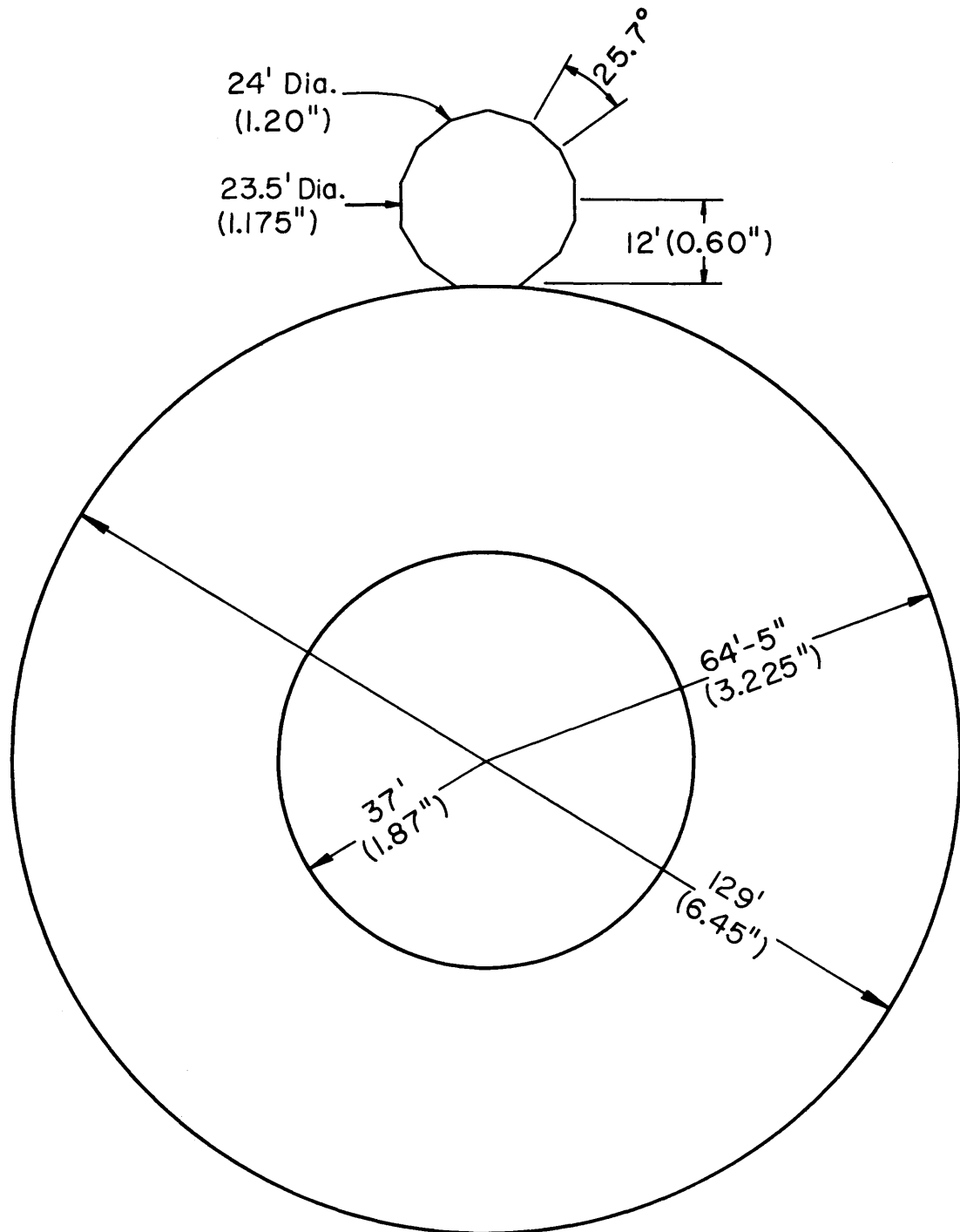
PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
17	-1.327	.399	-.456	-2.512
27	-1.267	.434	-.377	-2.810

SECTION 6
PRESSURE TAP LOCATIONS



(Model Dimensions in Parentheses)

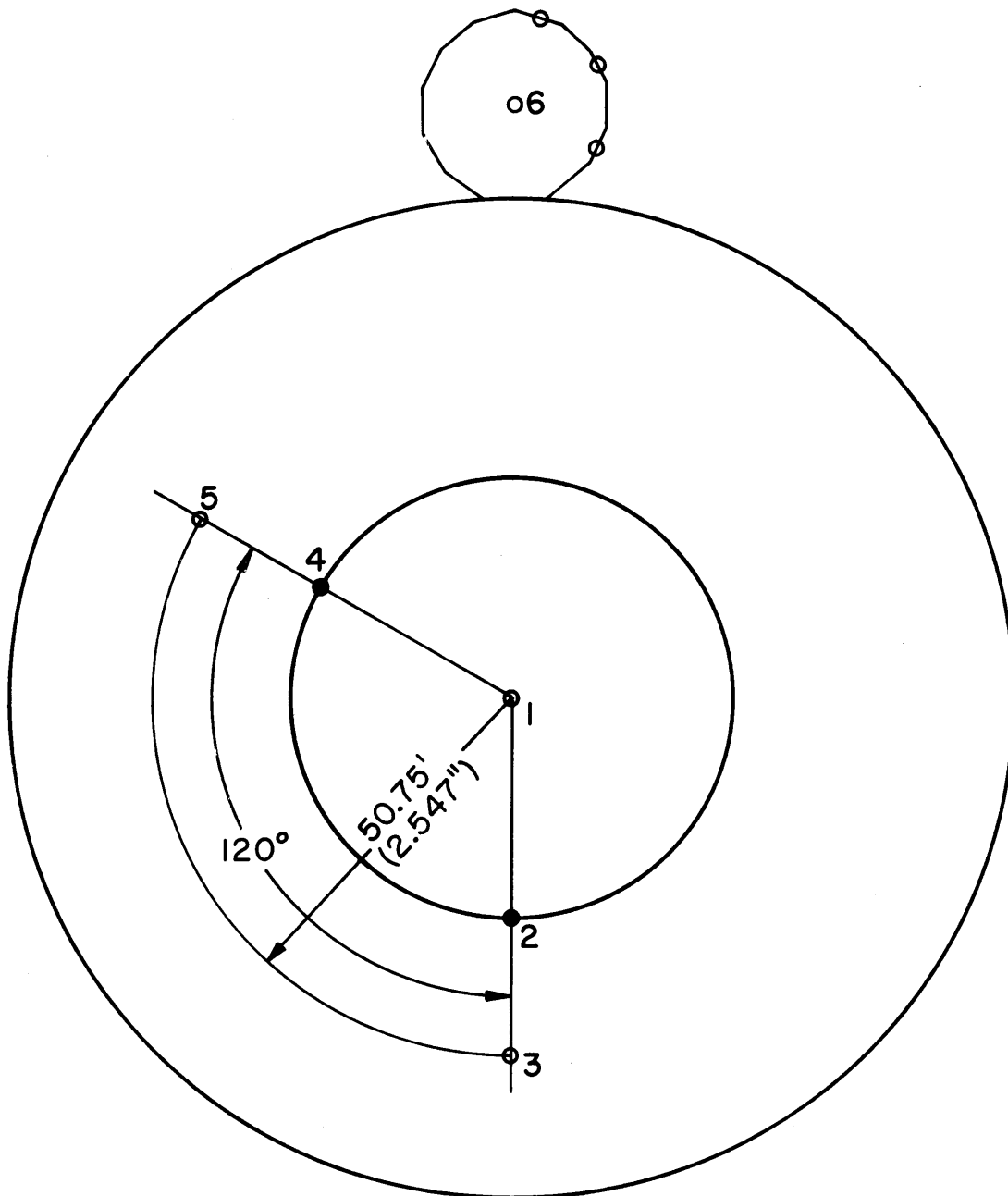
Pressure Tap Locations



(Model Dimensions in Parentheses)

Pressure Tap Locations

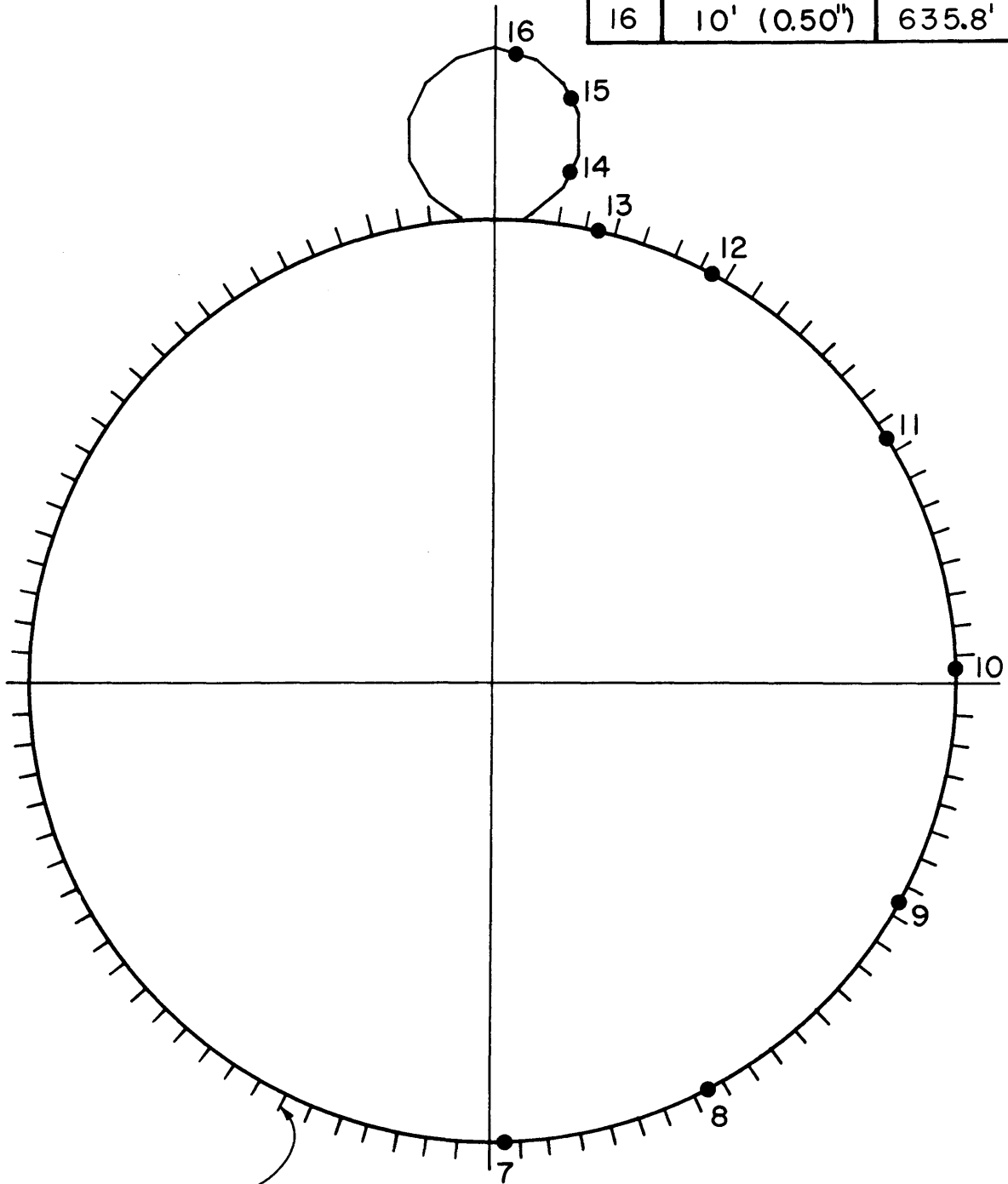
- Indicates Tap Location
- Indicates Tap Halfway Up Side



Pressure Tap Locations

● Indicates Tap Location

Tap	Distance Below Level One	Elevation Full Scale
14	0 (0")	645.8'
15	5' (0.25")	640.8'
16	10' (0.50")	635.8'

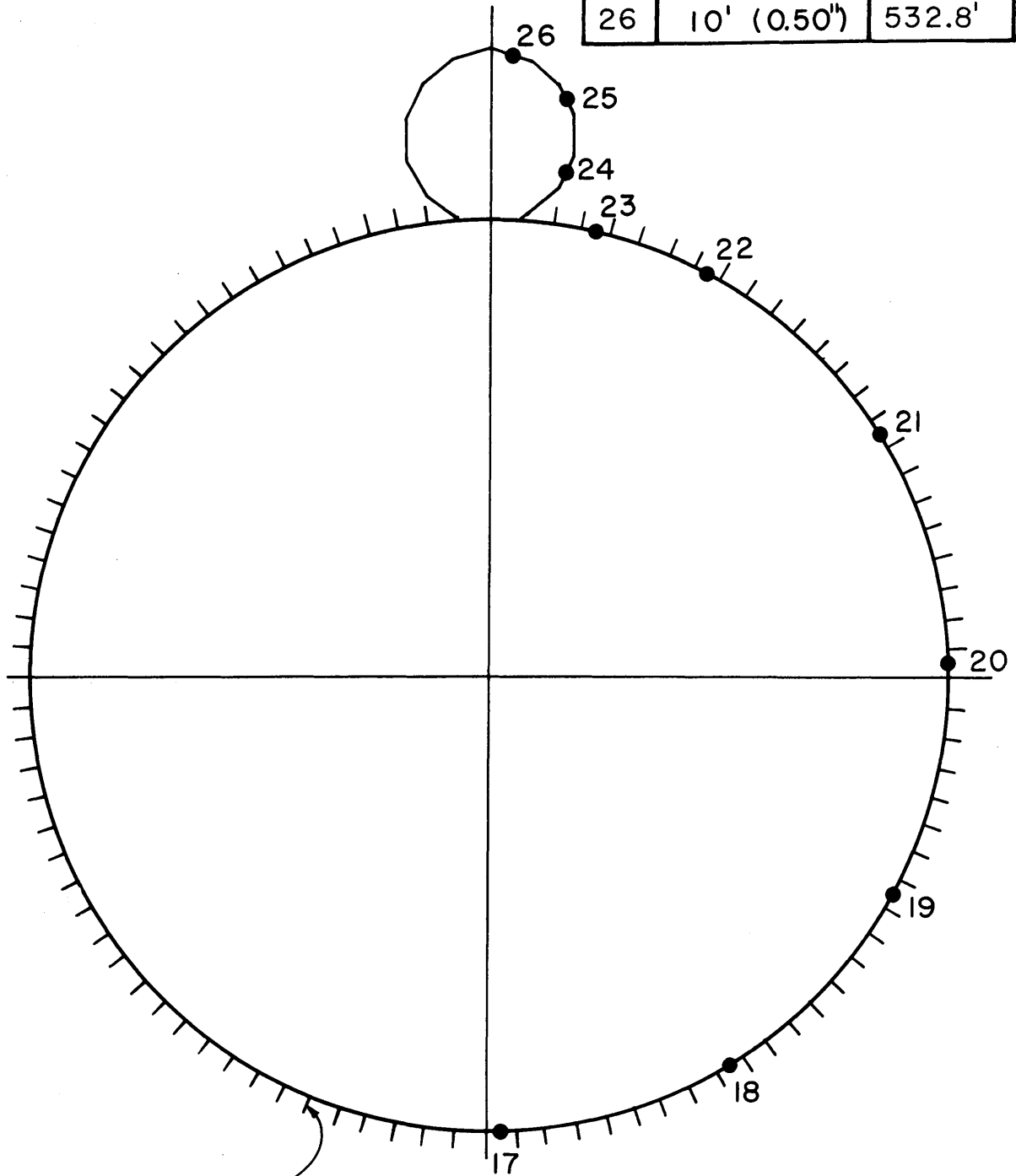


Mullion Locations
(Not To Scale)

Pressure Tap Locations

Tap	Distance Below Level 2	Elevation Full Scale
24	0 (0")	542.8'
25	5' (0.25")	537.8'
26	10' (0.50")	532.8'

● Indicates Tap Location

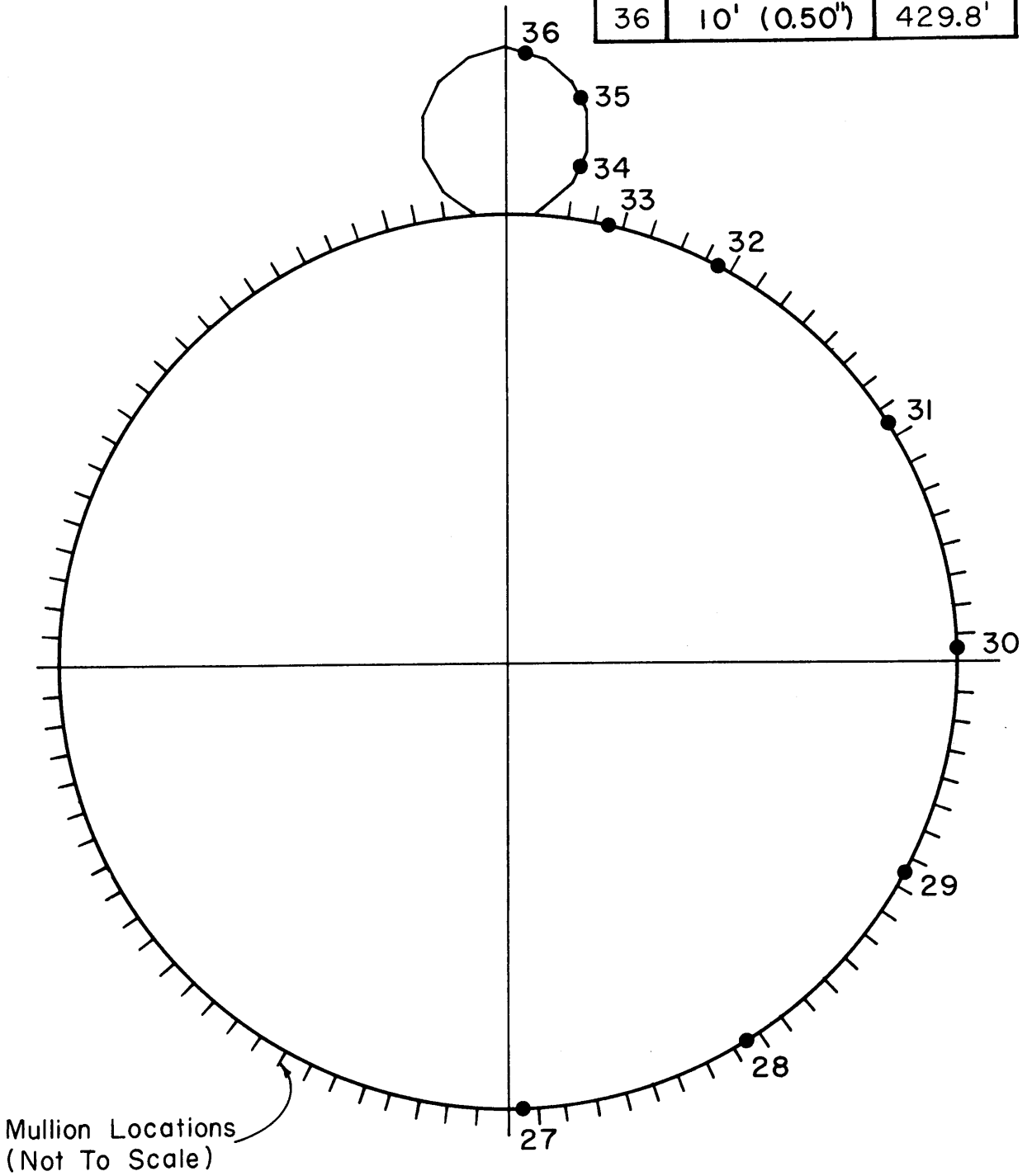


Mullion Locations
(Not To Scale)

Pressure Tap Locations

● Indicates Tap Location

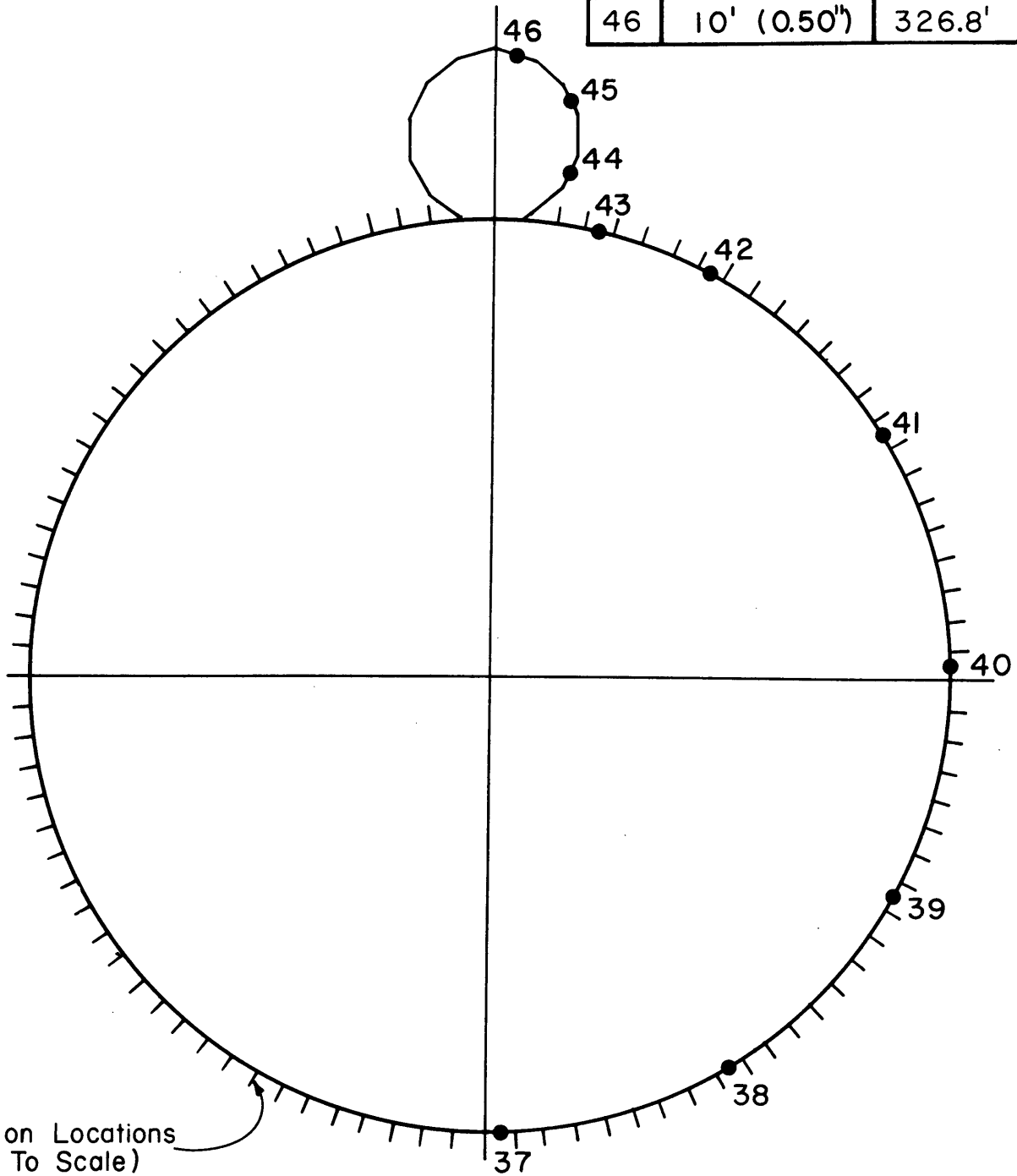
Tap	Distance Below Level 3	Elevation Full Scale
34	0 (0")	439.8'
35	5' (0.25")	434.8'
36	10' (0.50")	429.8'



Pressure Tap Locations

● Indicates Tap Location

Tap	Distance Below Level 4	Elevation Full Scale
44	0 (0")	336.8'
45	5' (0.25")	331.8'
46	10' (0.50")	326.8'

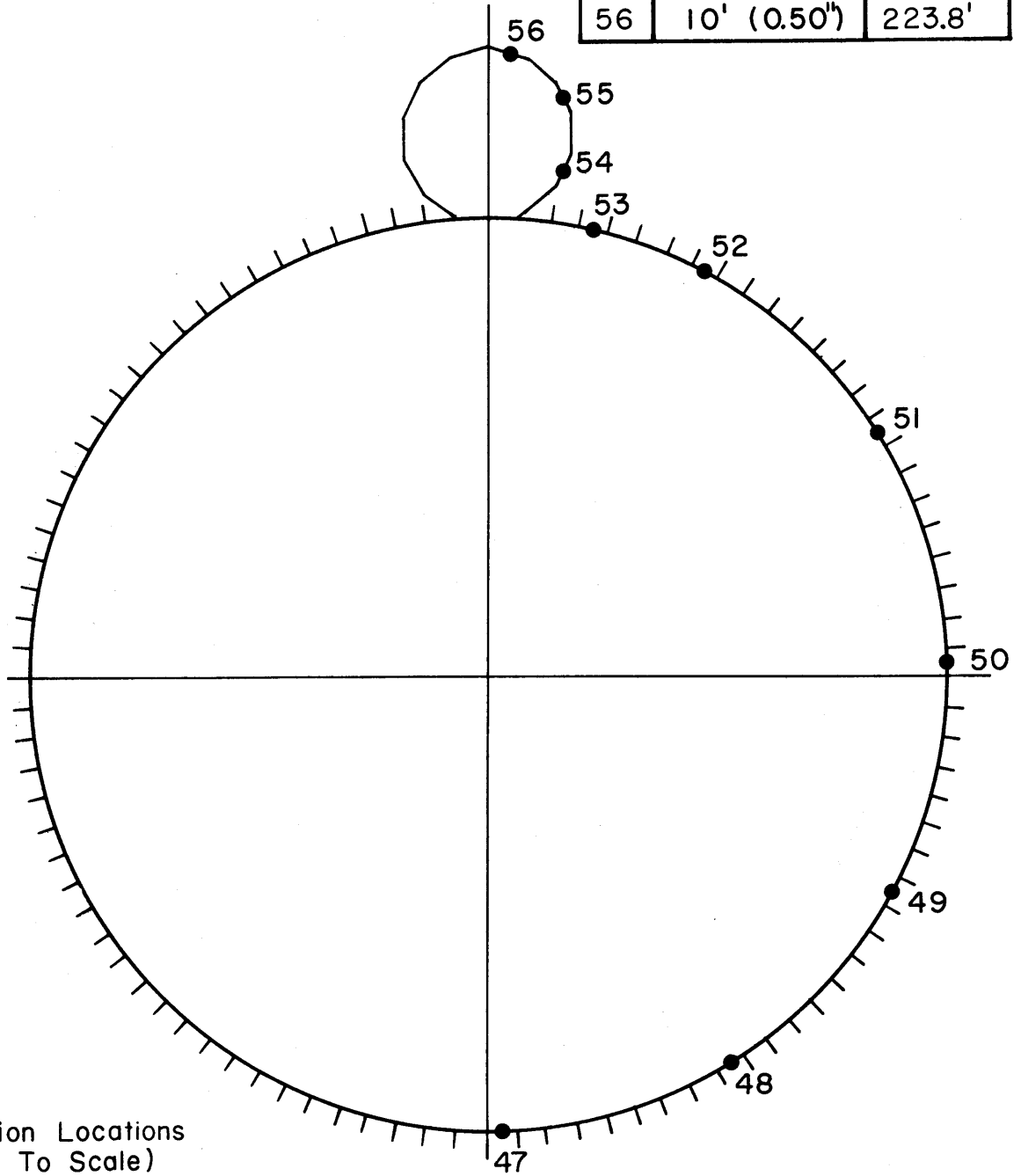


Mullion Locations
(Not To Scale)

Pressure Tap Locations

● Indicates Tap Location

Tap	Distance Below Level 5	Elevation Full Scale
54	0 (0")	233.8'
55	5' (0.25")	228.8'
56	10' (0.50")	223.8'

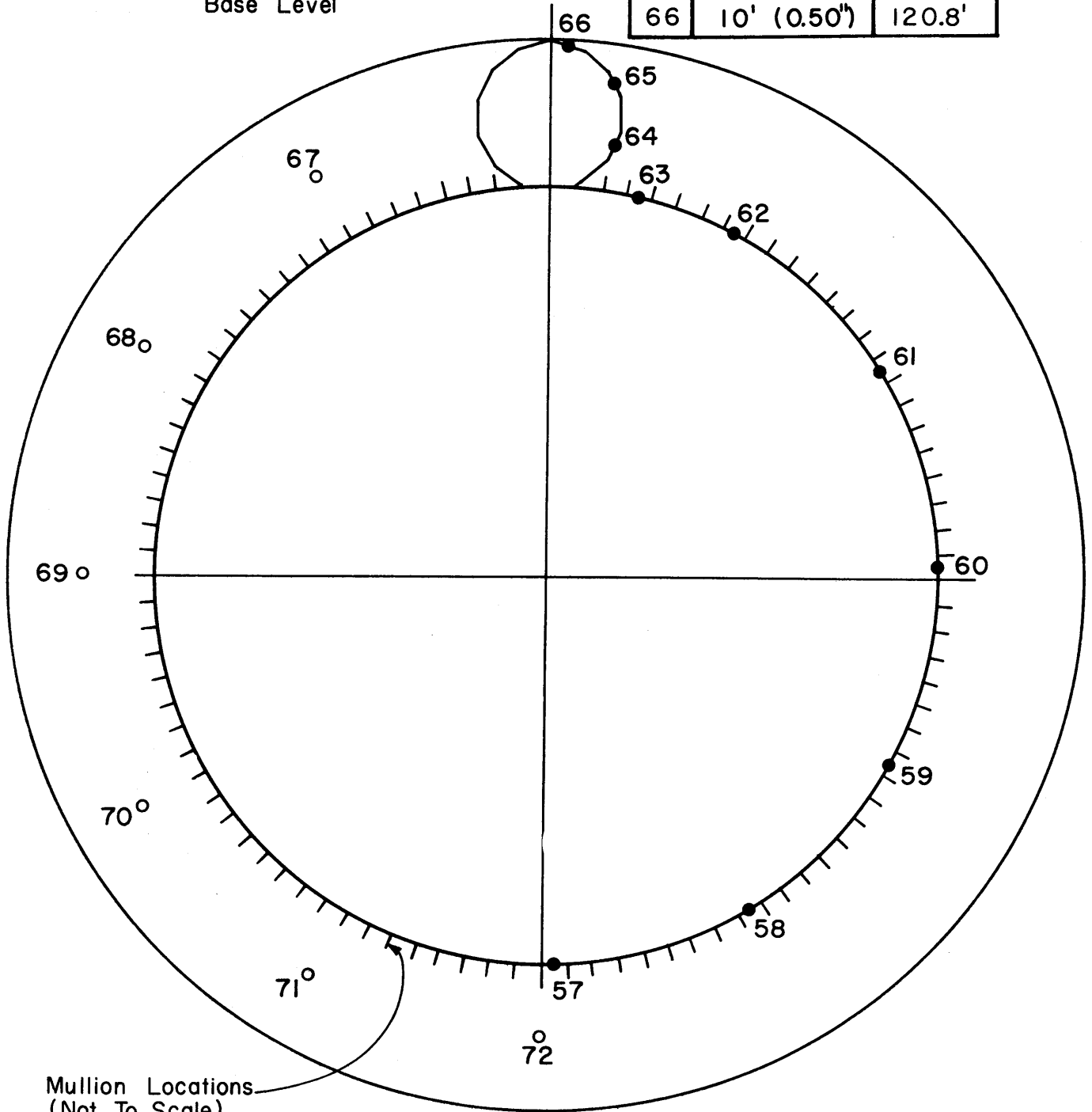


Mullion Locations
(Not To Scale)

Pressure Tap Locations

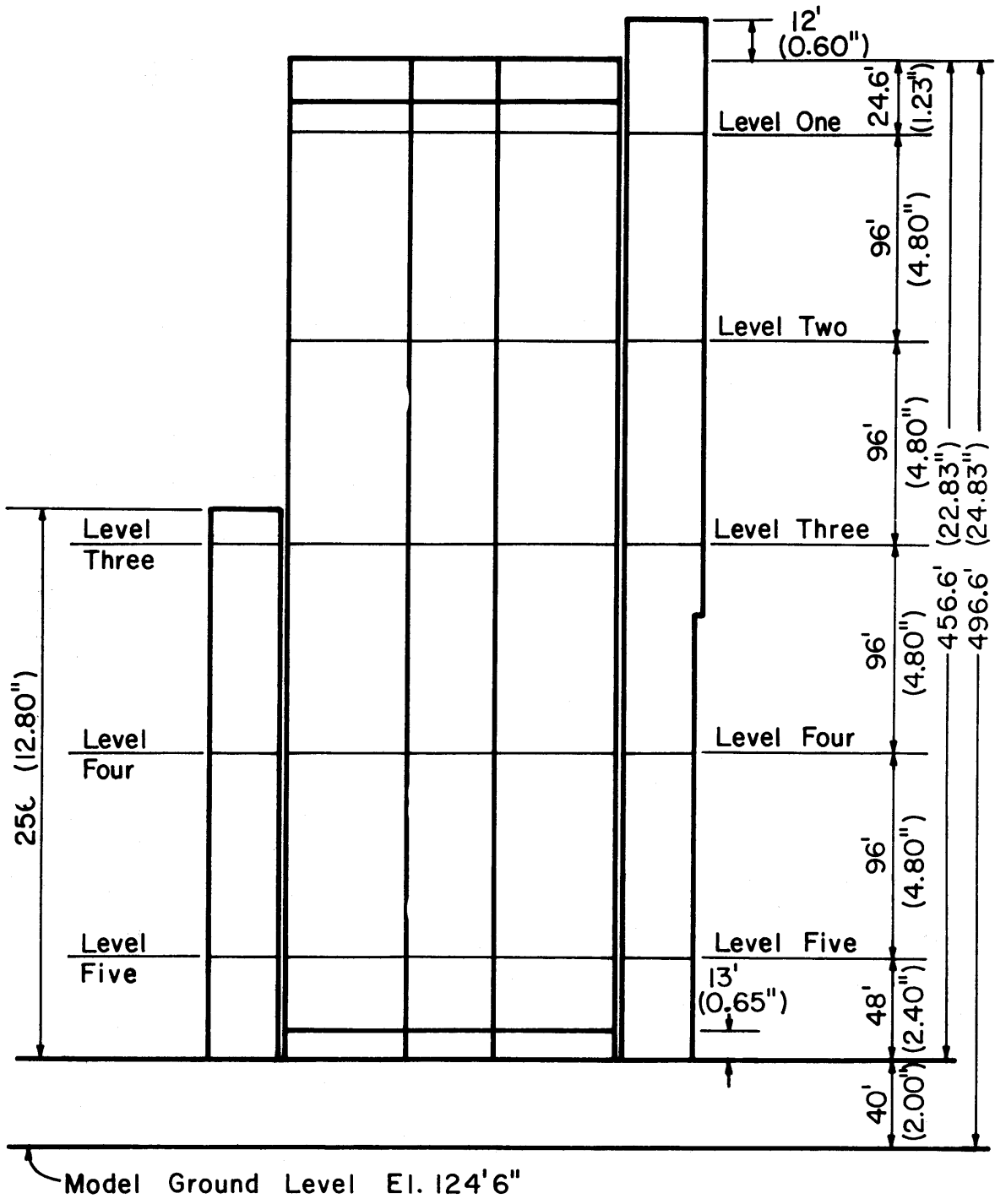
- Indicates Tap Location
- Taps 67-72 Are At Base Level

Tap	Distance Below Level 6	Elevation Full Scale
64	0 (0")	130.8'
65	5' (0.25")	125.8'
66	10' (0.50")	120.8'

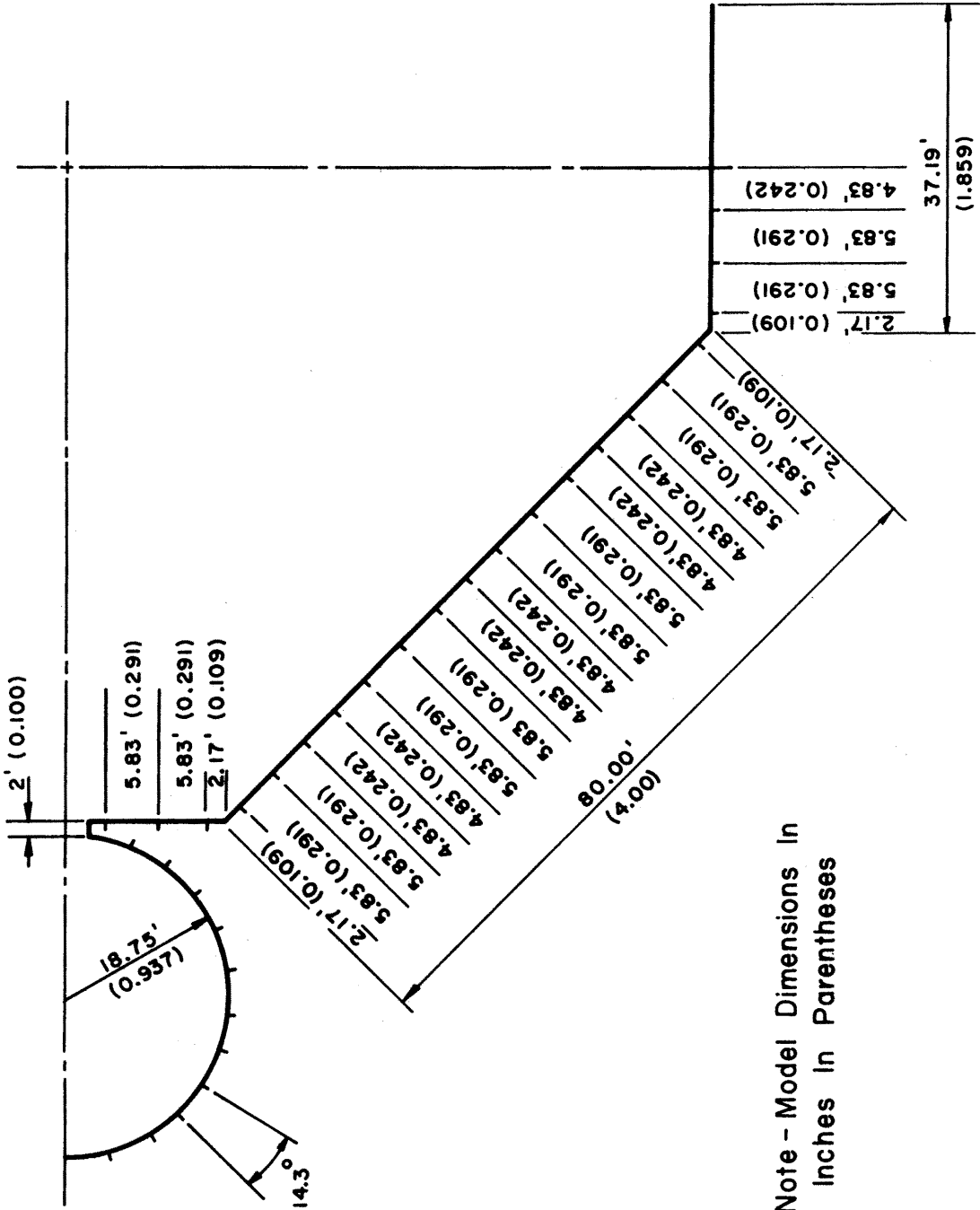


Mullion Locations
(Not To Scale)

Pressure Tap Locations



Pressure Tap Locations

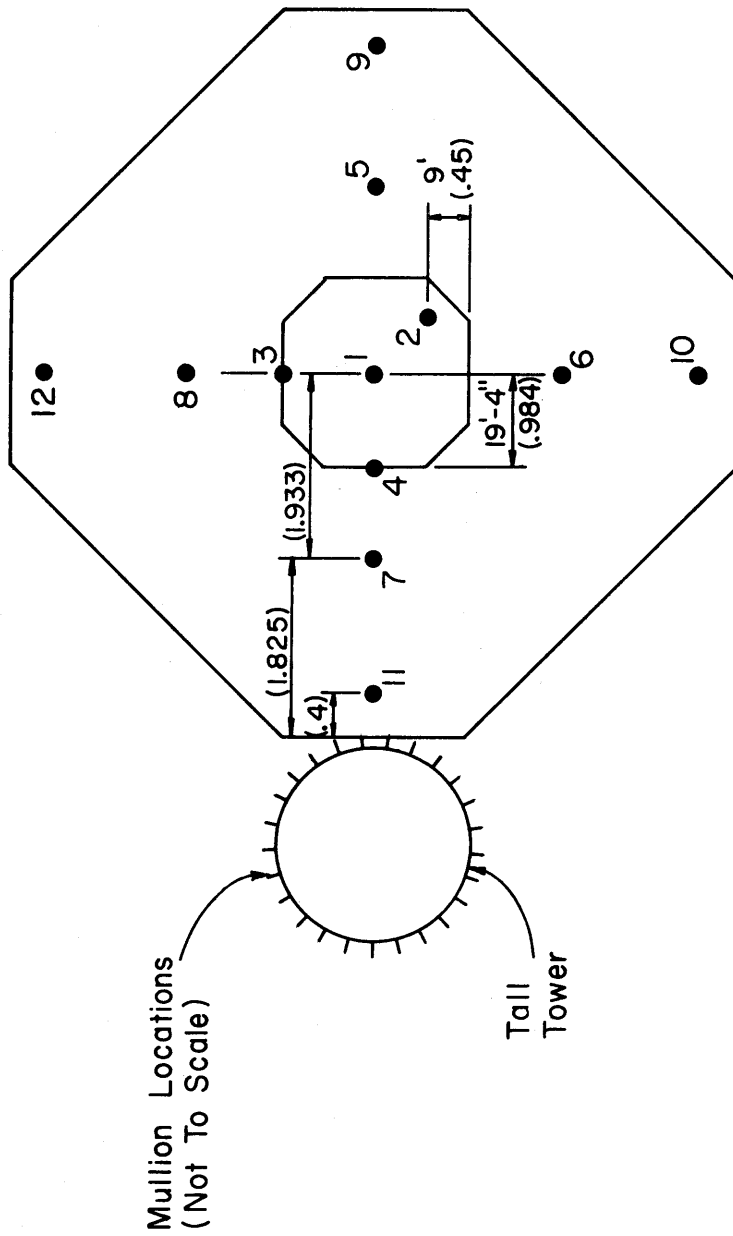


Note - Model Dimensions in Inches in Parentheses

DETAILS OF CROSS-SECTION OUTER BUILDING

Pressure Tap Locations

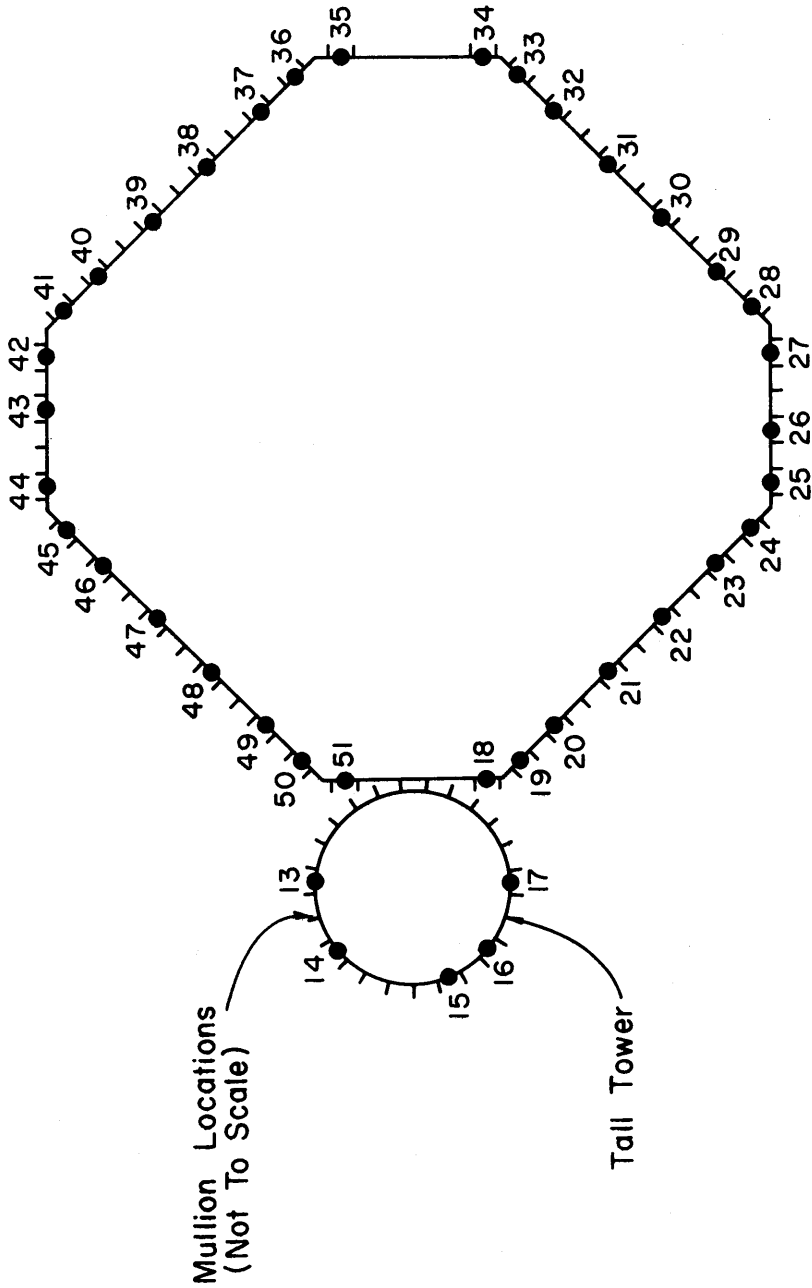
● Indicates Tap Location



(Model Dimensions in Parentheses)

Pressure Tap Locations

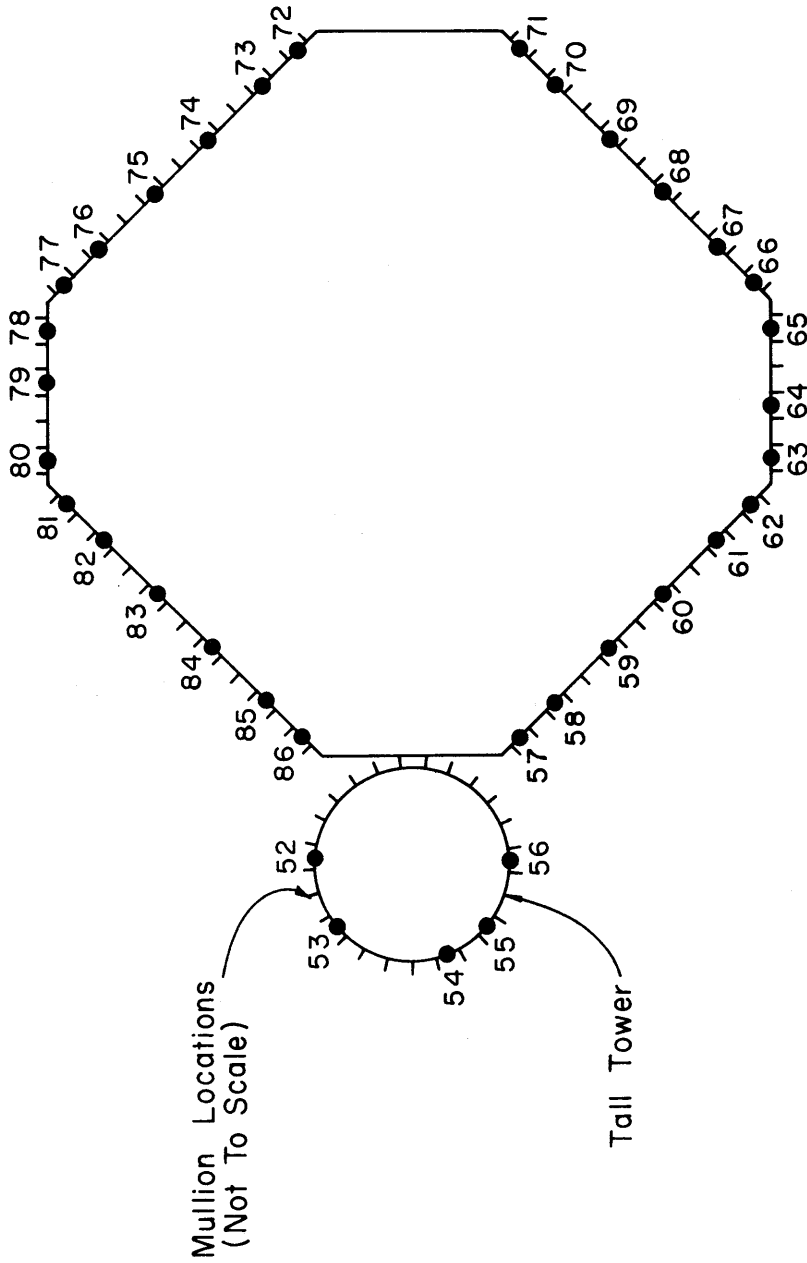
● Indicates Tap Location



Tap	Distance Above Level One	Elevation Full Scale
15	0' (0.00")	596.5'
16	5' (0.25")	591.5'
17	10' (0.50")	586.5'
13	15' (0.75")	581.5'
14	20' (1.00")	576.5'

Pressure Tap Locations

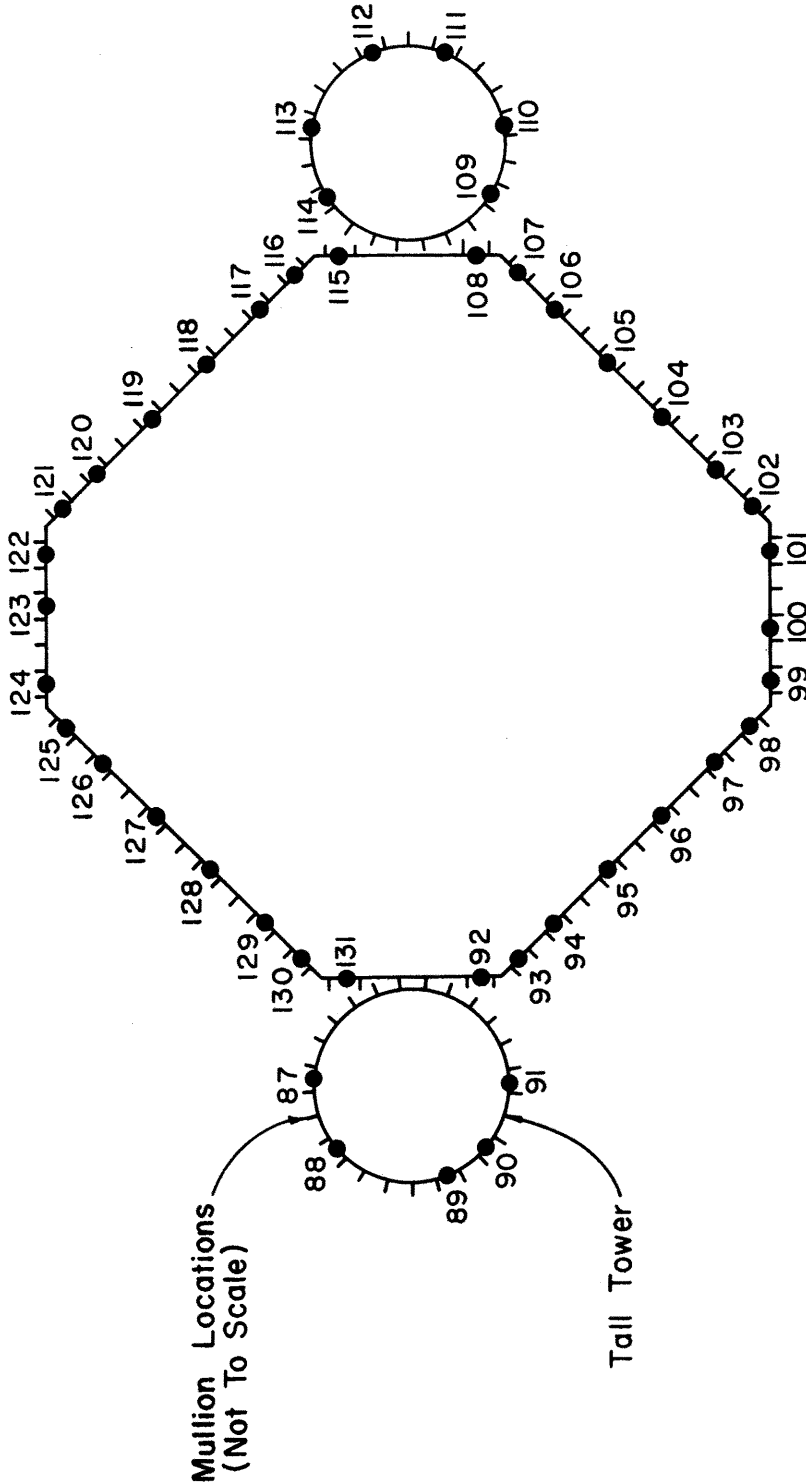
● Indicates Tap Location



Tap	Distance Above Level Two	Elevation Full Scale
54	0' (0.00")	500.5'
55	5' (0.25")	505.5'
56	10' (0.50")	510.5'
57	15' (0.75")	515.5'
58	20' (1.00")	520.5'

Pressure Tap Locations

● Indicates Tap Location

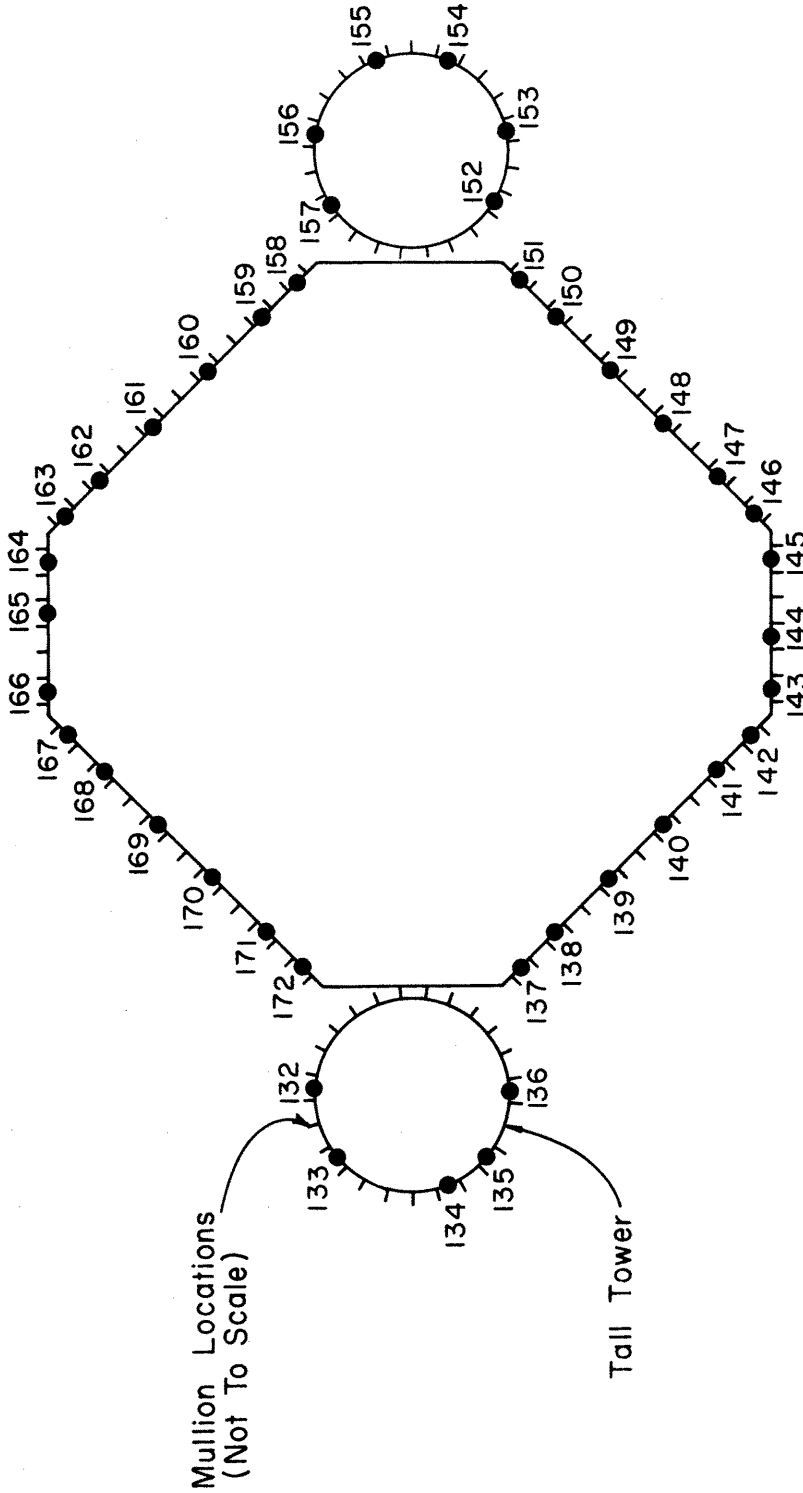


Tap	Distance Above Level Three	Elevation Full Scale
89	0' (0.00")	404.5'
90	5' (0.25")	409.5'
91	10' (0.50")	414.5'
87	15' (0.75")	419.5'
88	20' (1.00")	424.5'

Tap	Distance Below Level Three	Elevation Full Scale
109	0' (0.00")	404.5'
110	5' (0.25")	399.5'
111	10' (0.50")	394.5'
112	15' (0.75")	389.5'
113	20' (1.00")	384.5'
114	25' (1.25")	379.5'

Pressure Tap Locations

● Indicates Tap Location

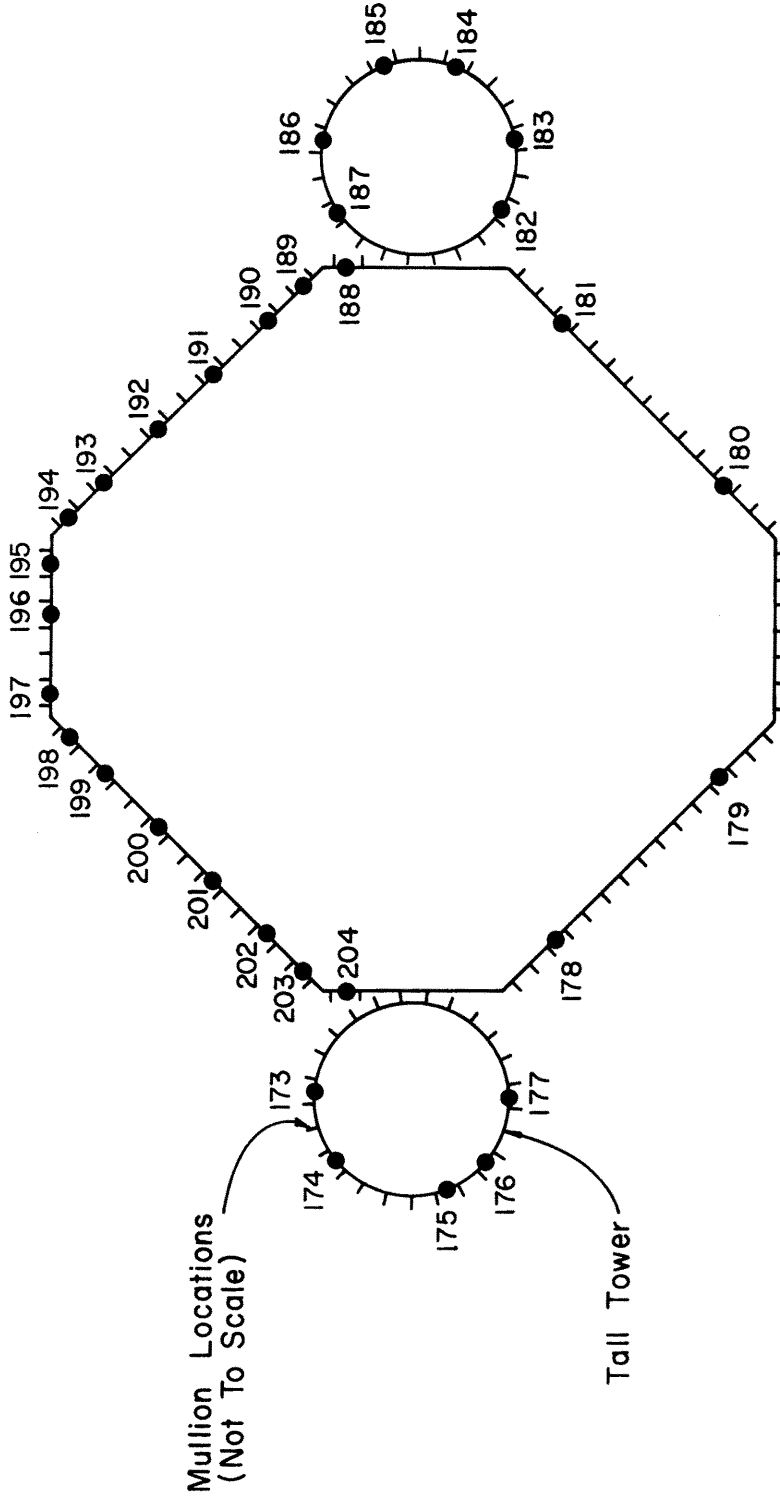


Tap	Distance Above Level Four	Elevation Full Scale
134	0' (0.00")	308.5'
135	5' (0.25")	313.5'
136	10' (0.50")	318.5'
132	15' (0.75")	323.5'
133	20' (1.00")	328.5'

Tap	Distance Above Level Five	Elevation Full Scale
152	0' (0.00")	308.5'
153	5' (0.25")	313.5'
154	10' (0.50")	318.5'
155	15' (0.75")	323.5'
156	20' (1.00")	328.5'
157	25' (1.25")	333.5'

Pressure Tap Locations

● Indicates Tap Location



Tap	Distance Above Level Five	Elevation Full Scale
175	0' (0.00")	212.5'
176	5' (0.25")	217.5'
177	10' (0.50")	222.5'
173	15' (0.75")	227.5'
174	20' (1.00")	232.5'

Tap	Distance Above Level Five	Elevation Full Scale
182	0' (0.00")	212.5'
183	5' (0.25")	217.5'
184	10' (0.50")	222.5'
185	15' (0.75")	227.5'
186	20' (1.00")	232.5'
187	25' (1.25")	237.5'

Pressure Tap Locations