

WIND-TUNNEL STUDY OF
HINES ONE BUILDING, MINNEAPOLIS

by

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LIST OF SYMBOLS

<u>Symbol</u>	<u>Definition</u>
U	Local mean velocity
D	Characteristic dimension (building height, width, etc.)
ν, ρ	Kinematic viscosity and density of approach flow
$\frac{UD}{\nu}$	Reynolds number
E	Mean voltage
A, B, n	Constants
U_{rms}	Root-mean-square of fluctuating velocity
E_{rms}	Root-mean-square of fluctuating voltage
U_∞	Reference mean velocity outside the boundary layer
X, Y	Horizontal coordinates
Z	Height above surface
δ	Height of boundary layer
T_u	Turbulence intensity $\frac{U_{rms}}{U_\infty}$ or $\frac{U_{rms}}{U}$
$C_{p_{mean}}$	Mean pressure coefficient, $\frac{(p-p_\infty)_{mean}}{0.5 \rho U_\infty^2}$
$C_{p_{rms}}$	Root-mean-square pressure coefficient, $\frac{(p-p_\infty)-(p-p_\infty)_{mean}}{0.5 \rho U_\infty^2}_{rms}$
$C_{p_{max}}$	Peak maximum pressure coefficient, $\frac{(p-p_\infty)_{max}}{0.5 \rho U_\infty^2}$
$C_{p_{min}}$	Peak minimum pressure coefficient, $\frac{(p-p_\infty)_{min}}{0.5 \rho U_\infty^2}$
$()_{min}$	Minimum value during data record
$()_{max}$	Maximum value during data record
p	Fluctuating pressure at a pressure tap on the structure
p_∞	Static pressure in the wind tunnel above the model

1. INTRODUCTION

1.1 General

A significant characteristic of modern building design is lighter cladding and more flexible frames. These features produce an increased vulnerability of glass and cladding to wind damage and result in larger deflections of the building frame. In addition, increased use of pedestrian plazas at the base of the buildings has brought about a need to consider the effects of wind and gustiness in the design of these areas.

The building geometry itself may increase or decrease wind loading on the structure. Wind forces may be modified by nearby structures which can produce beneficial shielding or adverse increases in loading. Overestimating loads results in uneconomical design; underestimating may result in cladding or window failures. Tall structures have historically produced unpleasant wind and turbulence conditions at their bases. The intensity and frequency of objectionable winds in pedestrian areas is influenced both by the structure shape and by the shape and position of adjacent structures.

Techniques have been developed during the past decade for wind tunnel modeling of proposed structures which allow the prediction of wind pressures on cladding and windows, overall structural loading, and also wind velocities and gusts in pedestrian areas adjacent to the building. Information on sidewalk-level gustiness allows plaza areas to be protected by design changes before the structure is constructed. Accurate knowledge of the intensity and distribution of the pressures on the structure permits adequate but economical selection of window strength to meet selected maximum design winds and overall wind loads for the design of the frame for flexural control.

Modeling of the aerodynamic loading on a structure requires special consideration of flow conditions in order to guarantee similitude between model and prototype. A detailed discussion of the similarity requirements and their wind tunnel implementation can be found in References (1), (2), and (3). In general, the requirements are that the model and prototype be geometrically similar, that the approach mean velocity at the building site have a vertical profile shape similar to the full-scale flow, that the turbulence characteristics of the flows be similar, and that the Reynolds number for the model and prototype be equal.

These criteria are satisfied by constructing a scale model of the structure and its surroundings and performing the wind tests in a wind tunnel specifically designed to model atmospheric boundary-layer flows. Reynolds number similarity requires that the quantity UD/v be similar for model and prototype. Since v , the kinematic viscosity of air, is identical for both, Reynolds numbers cannot be made precisely equal with reasonable wind velocities. To accomplish this the air velocity in the wind tunnel would have to be as large as the model scale factor times the prototype wind velocity, a velocity which would introduce unacceptable compressibility effects. However, for sufficiently high Reynolds numbers ($>2 \times 10^4$) the pressure coefficient at any location on the structure will be essentially constant for a large range of Reynolds numbers. Typical values encountered are 10^7 - 10^8 for the full-scale and 10^5 - 10^6 for the wind-tunnel model. In this range acceptable flow similarity is achieved without precise Reynolds number equality.

1.2 The Wind Tunnel Test

The wind-engineering study is performed on a building or building group modeled at scales ranging from 1:150 to 1:400. The building model

is constructed of clear plastic fastened together with screws. The structure is modeled in detail to provide accurate flow patterns in the wind passing over the building surfaces. The building under test is often located in a surrounding where nearby buildings or terrain may provide beneficial shielding or adverse wind loading. To achieve similarity in wind effects the area surrounding the test building is also modeled. A flow visualization study is first made (smoke is used to make the air currents visible) to define overall flow patterns and identify regions where local flow features might cause difficulties in building curtain-wall design or produce pedestrian discomfort.

The test model, equipped with pressure taps (200 to 600 or more), is exposed to an appropriately modeled atmospheric wind in the wind tunnel and the fluctuating pressure at each tap measured electronically. The model, and the modeled area, are rotated 15 degrees and another set of data recorded for each pressure tap. Normally, 24 sets of data (360 degrees of turning) are taken; however, when flow visualization or recorded data indicate high pressure regions of small azimuthal extent, data is obtained in smaller azimuthal steps.

Data are recorded, analyzed and processed by an on-line computerized data-acquisition system. Pressure coefficients of several types are calculated by the computer for each reading on each piezometer tap and are printed in tabular form as computer readout. Using wind data applicable to the building site, representative wind velocities are selected for combination with measured pressures on the building model. Integration of test data with wind data results in prediction of peak local wind pressures for design of glass or cladding and may include overall forces and moments on the structure (by floor if desired) for design of

the structural frame. Pressure contours are drawn on the developed building surfaces showing the intensity and distribution of peak wind loads on the building. These results may be used to divide the building into zones where lighter or heavier cladding or glass may be desirable.

Based on the visualization (smoke) tests and on a knowledge of heavy pedestrian use areas, a dozen or more locations may be chosen at the base of the building where wind velocities can be measured to determine the relative comfort or discomfort of pedestrians in plaza areas, near building entrances, near building corners, or on sidewalks. Usually a reference pedestrian position is also tested to determine whether the wind environment in the building area is better or worse than the environment a block or so away in an undisturbed area.

The following pages discuss in greater detail the procedures followed and the equipment and data collecting and processing methods used. In addition, the data presentation format is explained and the implications of the data are discussed.

2. EXPERIMENTAL CONFIGURATION

2.1 Wind Tunnel

Wind-engineering studies are performed in the Fluid Dynamics and Diffusion Laboratory at Colorado State University (Figure 1). Three large wind tunnels are available for wind loading studies depending on the detailed requirements of the study. The wind tunnel used for this investigation is shown in Figure 2. All tunnels have a flexible roof adjustable in height to maintain a zero pressure gradient along the test section. The mean velocity can be adjusted continuously in each tunnel to the maximum velocity available.

2.2 Model

In order to obtain an accurate assessment of local pressures using piezometer taps, models are constructed to the largest scale that does not produce significant blockage in the wind-tunnel test section. The models are constructed of 1/2 in. thick Lucite plastic and fastened together with metal screws. Significant variations in the building surface, such as mullions, are machined into the plastic surface. Piezometer taps (1/16 in. dia) are drilled normal to the exterior vertical surfaces in rows at several or more elevations between the bottom and top of the building. Similarly, taps are placed in the roof and on any sloping, protruding, or otherwise distinctive features of the building that might need investigation.

Pressure tap locations are chosen so that the entire surface of the building can be investigated for pressure loading and at the same time permit critical examination of areas where experience has shown that maximum wind effects may be expected to occur. Locations of the pressure taps for this study are shown in Figure 3. Dimensions are given both for

full-scale building (in ft) and for model (in in.). The pressure tap numbers are shown adjacent to the taps.

The pressure tests are sometimes made in two stages. In the first stage measurements are made on the initial distribution of pressure taps. If it becomes apparent from the data that the loading on the building is being influenced by some unsuspected geometry of the building or adjacent structures, additional pressure taps are installed in the critical areas. The locations of the taps are selected so that the maximum loading can be detected and the area over which this loading is acting can be defined. Any added taps are also shown in Figure 3.

A circular area 750 to 2000 ft in radius depending on model scale and characteristics of the surrounding buildings and terrain is modeled in detail. Structures within the modeled region are made from styrofoam and cut to the individual building geometries. They are mounted on the turntable in their proper locations. Significant terrain features are included as needed. The model is mounted on a turntable (Figure 2) near the downwind end of the test section. Any buildings or terrain features which do not fit on the turntable are placed on preshaped pieces which are placed upwind of the turntable for appropriate wind directions. A plane view of the building and its surroundings is shown in Figure 4. The turntable is calibrated to indicate azimuthal orientation to 0.1 degree.

The region upstream from the modeled area is covered with a randomized roughness constructed using various sized cubes placed on the floor of the wind tunnel. Different roughness sizes may be used for different wind directions. Spires are installed at the test-section entrance to provide a thicker boundary-layer than would otherwise be available. The

thicker boundary-layer permits a somewhat larger scale model than would otherwise be possible. The spires are approximately triangularly shaped pieces of 1/2 in. thick plywood 6 in. wide at the base and 1 in. wide at the top, extending from the floor to the top of the test section. They are placed so that the broad side intercepts the flow. A barrier approximately 8 in. high is placed on the test-section floor downstream of the spires to aid in development of the boundary-layer flow.

The distribution of the roughness cubes and the spires in the roughened area was designed to provide a boundary-layer thickness of approximately 4 ft, a velocity profile power-law exponent similar to that expected to occur in the region approaching the modeled area for each wind direction (a number of wind directions may have the same approach roughness). A photograph of the completed model in the wind tunnel is shown in Figure 5. The wind-tunnel ceiling is adjusted after placement of the model to obtain a zero pressure gradient along the test section.

3. INSTRUMENTATION AND DATA ACQUISITION

3.1 Flow Visualization

Making the air flow visible in the vicinity of the model is helpful (a) in understanding and interpreting mean and fluctuating pressures, (b) in defining zones of separated flow and reattachment and zones of vortex formation where pressure coefficients may be expected to be high and (c) in indicating areas where pedestrian discomfort may be a problem. Titanium tetrachloride smoke is released from sources on and near the model to make the flow lines visible to the eye and to make it possible to obtain motion picture records of the tests. Conclusions obtained from these smoke studies are discussed in Sections 4.1 and 5.1.

3.2 Pressures

Mean and fluctuating pressures are measured at each of the pressure taps on the model structure. Data are obtained for 24 wind directions, rotating the entire model assembly in a complete circle. Seventy-six pieces of 1/16 in. I.D. plastic tubing each 18 in. long are used to connect 76 pressure ports at a time to an 80 tap pressure switch mounted inside the model. The switch was designed and fabricated in the Fluid Dynamics and Diffusion Laboratory to minimize the attenuation of pressure fluctuations across the switch. Each of the 76 measurement ports is directed in turn by the switch to one of four pressure transducers mounted close to the switch. The four pressure input taps not used for transmitting building surface pressures are connected to a common tube leading outside the wind tunnel. This arrangement provides both a means of performing in-place calibration of the transducers and, by connecting this tube to a pitot tube mounted inside the wind tunnel, a means of automatically monitoring the tunnel speed. The switch is operated by

means of a shaft projecting through the floor of the wind tunnel. A computer-controlled stepping motor steps the switch into each of the 20 required positions. The computer keeps track of switch position but a digital readout of position is provided at the wind tunnel.

The pressure transducers used are Statham differential strain gage transducers (Model PM 283TC) with a 0.15 psid range. They were selected because of their stability and linearity in the required working range. The resonant frequency of the transducers is approximately 2,000 Hz. This is sufficiently high that transducer resonance effects on the measured pressures can be ignored. Reference pressures are obtained by connecting the reference sides of the four transducers, using plastic tubing, to the static side of a pitot tube mounted in the wind tunnel free stream above the model building. In this way the transducer measures the instantaneous difference between the local pressures on the surface of the building and the static pressure in the free stream above the model.

Each pressure transducer contains a built-in bridge similar to a Wheatstone Bridge. The bridge is monitored by a Honeywell Accudata 118 Gage Control/Amplifier unit which provides excitation to the transducer bridge and amplifies the bridge output. These instruments are characterized by a very stable excitation voltage and amplifier gain. Output from the Honeywell signal conditioners is fed to an on-line data acquisition system consisting of a Hewlett-Packard 21 MX computer, disk unit, card reader, printer, Digi-Data digital tape drive and a Preston Scientific analog-to-digital convertor. The data are processed immediately into pressure coefficient form as described in Section 4.3 and stored for printout or further analysis.

All four transducers are recorded simultaneously for 16 seconds at a 250 sample per second rate. The results of an experiment to determine the length of record required to obtain stable mean and rms (root-mean-square) pressures and to determine the overall accuracy of the pressure data acquisition system is shown in Figure 6. A typical pressure port record was integrated for a number of different time periods to obtain the data shown. Examination of a large number of pressure taps showed that the overall accuracy for a 16 second period is, in pressure coefficient form, 0.03 for mean pressures, 0.1 for peak pressures, and 0.01 for rms pressures. Pressure coefficients are defined in Section 4.3.

3.3 Velocity

Mean velocity and turbulence intensity profiles are measured upstream of the model to determine that an approach boundary-layer flow appropriate to the site has been established. Tests are made at one wind velocity in the tunnel. This velocity is well above that required to produce Reynolds number similarity between the model and the prototype as discussed in Section 1.1.

In addition, mean velocity and turbulence intensity measurements are made 5 to 7 feet (prototype) above the surface at a dozen or more locations on and near the building for 16 wind directions. The measurement locations are shown on Figure 4. The surface measurements are indicative of the wind environment to which a pedestrian at the measurement location would be subjected. The locations are chosen to determine the degree of pedestrian comfort or discomfort at the building corners where relatively severe conditions frequently are found, near building entrances and on adjacent sidewalks where pedestrian traffic is heavy, and in open plaza areas. In most studies a reference pedestrian position,

located about a block away, is also tested. These data are helpful in evaluating the degree of pedestrian comfort or discomfort in the proposed plaza area in terms of the undisturbed environment in the immediate vicinity.

Measurements are made with a single hot-wire anemometer mounted with its axis vertical. The instrumentation used is a Thermo Systems constant temperature anemometer (Model 1050) with a 0.001 in. dia platinum film sensing element 0.020 in. long. Output is read from a digital voltmeter with a time-constant circuit for mean voltage and a DISA RMS meter (Model 55035) for rms voltage.

Calibration of the hot-wire anemometer is performed using a Thermo Systems calibrator (Model 1125). The calibration data are fit to a variable exponent King's Law relationship of the form

$$E^2 = A + BU^n$$

where E is the hot-wire output voltage, U the velocity and A , B , and n are coefficients selected to fit the data. The above relationship was used to determine the mean velocity at measurement points using the measured mean voltage. The fluctuating velocity in the form U_{rms} (root-mean-square velocity) was obtained from

$$U_{rms} = \frac{2 E_{rms}}{B n U^{n-1}}$$

where E_{rms} is the root-mean-square voltage output from the anemometer. For interpretation all turbulence measurements were divided by both local mean velocity U and mean velocity outside the boundary-layer U_∞ . Division by U gives an indication of the relative unsteadiness at the location while division by U_∞ permits an easy determination of the

actual magnitude of rms velocity fluctuations at a point for various approach velocities.

4. RESULTS

4.1 Flow Visualization

A film is included as part of this report showing the characteristics of flow about the structure using smoke to make the flow visible. A listing of the contents of the film is shown in Table 1. Several features can be noted from the visualization. As with all large structures, wind approaching the building is deflected down to the plaza level, up over the structure and around the sides. A description of the smoke test results emphasizing flow patterns of concern relative to possible high-wind load areas and pedestrian comfort is given in Section 5.1.

4.2 Velocity

Velocity and turbulence profiles are shown in Figures 7a and 7b. These profiles were taken upstream from the model and are characteristic of the boundary-layer approaching the model. As shown in Figure 7a, the boundary-layer thickness, δ , was 50 in. The corresponding prototype value of δ for this study is shown in Figure 7a. This value was established as a reasonable height for this study. The mean velocity profile has the form

$$\frac{U}{U_\infty} = \left(\frac{z}{\delta}\right)^n .$$

The exponent n for the approach flow established for this study is shown in Figure 7a.

The profile of longitudinal turbulence intensity is shown in Figure 7b. The turbulence intensities are appropriate for the approach mean velocity profile selected. For the purpose of this report, turbulence intensity is defined as the root-mean-square about the mean of the longitudinal velocity fluctuations divided by the reference mean velocity

U_∞ at the outer edge of the boundary layer,

$$Tu_1 = \frac{U_{rms}}{U_\infty} ,$$

or as the rms velocity divided by the local mean velocity,

$$Tu_2 = \frac{U_{rms}}{U} .$$

Mean velocity U/U_∞ , turbulence intensity U_{rms}/U_∞ , and "gustiness" U_{rms}/U at the pedestrian measuring positions shown in Figure 4 are listed in Table 2 for 16 wind directions and are plotted in polar form in Figures 8a, 8b, etc. Measurements were taken 5 to 7 ft above the ground surface. A site map is superimposed on the polar plots to aid in visualization of the effects of the nearby structures on the velocity and turbulence magnitudes. An analysis of these wind data is given in Section 5.2.

To enable a quantitative assessment of the wind environment, the wind-tunnel data were combined with wind frequency and direction information obtained at the local airport. Table 3 shows wind frequency by direction and magnitude obtained from summaries published by the National Weather Service. These data, usually obtained at an elevation of about 30 to 40 ft, were converted to velocities at the reference velocity height for the wind tunnel measurements and combined with the wind tunnel data to obtain cumulative probability distributions (percent time a given velocity is exceeded) for wind velocity at each measuring location. The percentage times were summed by wind direction to obtain a percent time exceeded at each measuring position independent of wind direction (but accounting for the fact that the wind blows from different directions with varying frequency). These results are plotted in Figure 9a, 9b, etc.

Interpretation of Figure 9 is aided by a description of the effects of wind of various magnitudes on people. The earliest quantitative description of wind effects was established by Sir Francis Beaufort in 1806 for use at sea and is still in use today. Several recent investigators have added to the knowledge of wind effects on pedestrians. These investigations along with suggested criteria for acceptance have been summarized by Penwarden and Wise (4). The Beaufort scale, based on mean velocity only, is reproduced as Table 4 including qualitative descriptions of wind effects. Table 4 suggests that mean wind speeds below 12 mph are of minor concern and that mean speeds above 24 mph are definitely inconvenient. Included in Section 5.2 is an analysis of the percent of time that the 12 and 24 mph magnitude are exceeded by mean winds and implications for pedestrian comfort.

The peak gust values require a somewhat different interpretation. The peak gust curves shown in Figure 9 are the percent of time during which a short gust of the stated magnitude could occur (say less than one of these gusts per hour). Evidence suggests that gusts greater than about 35 mph in magnitude can be a major impediment to pedestrians, particularly the elderly. Most measuring locations experience winds in which gusts of 35 mph or higher occur much less frequently than the 24 mph mean winds. Implications of these data are presented in Section 5.2.

Because some pedestrian wind measuring positions are purposely chosen at sites where the smoke tests showed large velocities of small spacial extent, the general wind environment about the structure may be less severe than one might infer from a strict analysis of Table 2 and Figure 9.

4.3 Pressures

For each of the pressure taps examined at each wind direction, the data record is analyzed to obtain four separate pressure coefficients.

The first is the mean pressure coefficient

$$C_{p_{\text{mean}}} = \frac{(p - p_{\infty})_{\text{mean}}}{0.5 \rho U_{\infty}^2}$$

where the symbols are as defined in the List of Symbols. It represents the mean of the instantaneous pressure difference between the building pressure tap and the static pressure in the wind tunnel above the building model, nondimensionalized by the dynamic pressure

$$0.5 \rho U_{\infty}^2$$

at the reference velocity position. This relationship produces a dimensionless coefficient which indicates that the mean pressure difference between building and ambient wind at a given point on the structure is some fraction less or some fraction greater than the undisturbed wind dynamic pressure near the upper edge of the boundary layer. Using the measured coefficient, prototype mean pressure values for any wind velocity may then be calculated.

The magnitude of the fluctuating pressure is obtained by the rms pressure coefficient

$$C_{p_{\text{rms}}} = \frac{\left((p - p_{\infty}) - (p - p_{\infty})_{\text{mean}} \right)_{\text{rms}}}{0.5 \rho U_{\infty}^2}$$

in which the numerator is the root-mean-square of the instantaneous pressure difference about the mean.

If the pressure fluctuations followed a Gaussian probability distribution, no additional data would be required to predict the

frequency with which any given pressure level would be observed. However, the pressure fluctuations do not follow a Gaussian probability distribution so that additional information is required to show the extreme values of pressure expected. The peak maximum and peak minimum pressure coefficients are used to determine these values:

$$C_{p_{\max}} = \frac{(p-p_{\infty})_{\max}}{0.5 \rho U_{\infty}^2}$$

$$C_{p_{\min}} = \frac{(p-p_{\infty})_{\min}}{0.5 \rho U_{\infty}^2}$$

The values of $p-p_{\infty}$ which were digitized at 250 samples per second for 16 seconds, representing about one hour of time in the full scale, are examined individually by the computer to obtain the most positive and most negative values during the 16 second period. These are converted to $C_{p_{\max}}$ and $C_{p_{\min}}$ by nondimensionalizing with the free stream dynamic pressure.

The four pressure coefficients are calculated by the on-line data acquisition system computer and tabulated along with the approach wind azimuth in degrees from true north. The list of coefficients is included as Appendix A. The pressure tap code numbers used in the appendix are explained in Figure 3.

To determine the largest peak loads acting at any point on the structure for cladding design purposes, the pressure coefficients for all wind directions were searched to obtain, at each pressure tap, the largest absolute value of peak pressure coefficient. Table 6 provides these pressure coefficients and associated wind directions. Included in

Section 5.3 is an analysis of the coefficients of Table 6 including the maximum values obtained and where they occurred on the building.

The pressure coefficients of Table 6 can be converted to full-scale loads by multiplication by a suitable reference pressure selected for the field site. This reference pressure is represented in the equations for pressure coefficients by the $0.5 \rho U_\infty^2$ denominator. This value is the dynamic pressure associated with an hourly mean wind at the reference velocity measurement position at the edge of the boundary layer. In general, the method of arriving at a design reference pressure for a particular site involves selection of a design wind velocity, translation of the velocity to an hourly mean wind at the reference velocity location and conversion to a reference pressure. Selection of the design velocity can be made from statistical analysis of extreme wind data or selected from wind maps contained in the proposed wind loading code ANSI A58.1 of the American National Standards Institute (5). The calculation of reference pressure for this study is shown in Table 5. The factor used in Table 5 to reduce gust winds to hourly mean winds is given in reference (6).

The reference pressure associated with the design hourly mean velocity at the reference velocity location can be used directly with the peak-pressure coefficients to obtain peak local design wind loads for cladding design. For glass design pressures, a glass load factor is used to account for the different duration of measured peak pressures and the one minute loading used in glass design charts. Recent research (6) indicates that the period of application of the peak pressures reported herein is about 5-10 seconds or less. If a glass design is based on these peak values, then a glass strength associated with this

duration load is indicated. If the glass design is based on some alternate load duration--say one minute--then some reduction in peak loads should be made. An estimate of a load reduction factor can be obtained from an empirical relation of glass strength as a function of load duration (8). A glass load factor of 0.73 on the reference pressure was used to convert the short 5-10 second pressure peaks to one minute loads typically cited in glass selection charts.

Local, instantaneous peak loads on the full-scale building suitable for cladding design were computed by multiplying the reference pressure of Table 5 by the peak coefficients of Table 6. Loadings appropriate for glass design were computed by multiplying the reference pressure by the peak coefficients of Table 6 with application of the 0.73 load factor. Table 6 shows both of these results. The maximum psf load given at each tap location is the absolute value of the maximum value found in the tests, irrespective of its algebraic sign. For ease in visualizing the loads on the structure, contours of equal peak pressures for glass design shown in Table 6 have been plotted on developed elevation views of the structure, Figure 10. Loads appropriate for design of mullions or other cladding elements can be obtained by using the loads of Table 6 or multiplying the loads of Figure 10 by 1.37.

5. DISCUSSION

5.1 Flow Visualization

Flow patterns about the Hines One building did not show any flows characteristic of exceptionally high local pressures. Small local vortices were found to exist on wall 5 of the north tower (see Figure 3a for wall designation) just above the central plaza cover for northeasterly winds. The velocities in the vortices were rather low and would not be expected to result in unusually high pressures. Pedestrian level winds tended to be fairly large near corners for narrow wind direction ranges. Considerable swirling was observed in the plaza areas at the northeast and southwest corners for certain wind directions.

5.2 Pedestrian Winds

As shown in Figure 4, data was obtained at 15 locations about the base of the structure including a point (location 1) placed away from major influence of the Hines One building for comparative purposes. Table 2 and Figure 8 show that the largest mean velocities measured occurred at locations 7 and 2. Location 7 showed velocities of 76 and 71 percent of U_∞ for wind azimuths 0 and 337 while location 2 showed a mean velocity of 71 percent of U_∞ for wind azimuth 67.

The largest values of fluctuating velocity, U_{rms} , occurred at locations 11 and 13 for wind azimuths from 9 to 22 degrees. U_{rms} values ranged from 20 to 28 percent of U_∞ . These values occurred at moderate values of U_{mean} --35 to 45 percent of U_∞ . Swirling flows in the northeast plaza area for these wind directions were observed during smoke visualization. The largest values of 'gustiness'-- U_{rms}/U --were up to 68 percent. Because many of the large gustiness values were

associated with low mean velocities, these values may not reflect unpleasant environments.

Velocity data integrated with local wind data is shown in Figure 9. Mean winds will be above 12 mph, the level where wind effects begin to become significant, for about 15 to 18 percent of the time at locations 7 and 12. Other locations, including the comparison point 1, showed 10 percent or less. The more protected areas showed values less than 1 percent. Mean winds above 24 mph will be found 1 to 2 percent of the time at locations 7 and 12. Most locations showed considerably smaller percentage times for 24 mph mean winds.

The largest percentage of time when peak gusts are likely to be greater than 24 mph were about 10 percent and occurred for several locations. Several locations showed a potential for peak gusts as high as 35 mph for 3-4 percent of the time.

Because some measurement locations were placed in localized regions of high velocity established by smoke visualization, the overall pedestrian environment about the building may not be as severe as indicated by the data in Figure 9. There are limited areas about the building, however, which will be uncomfortable for pedestrians on high-wind days with wind from the critical directions.

5.3 Pressures

Table 6 shows the largest pressure coefficients and loads measured on the building. The largest pressure coefficient measured was 3.05 at tap 152 for wind azimuth 210 degrees. This location is near the base of the north tower on wall 1. This load corresponds to a glass load of 67 psf using the reference pressures of Table 5 for a 50 year recurrence wind. Most peak pressure coefficients showed values of 2.3 or less.

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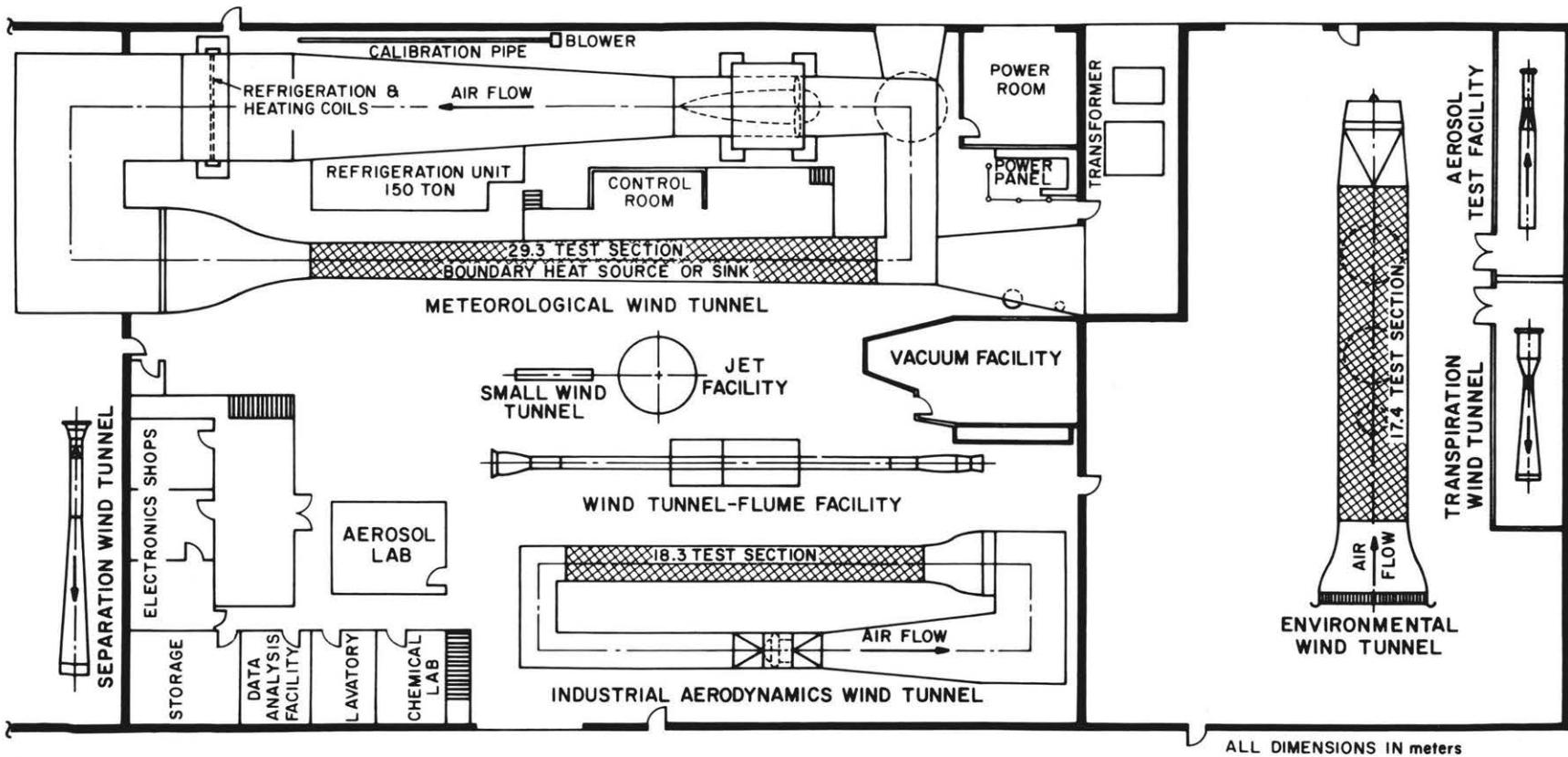
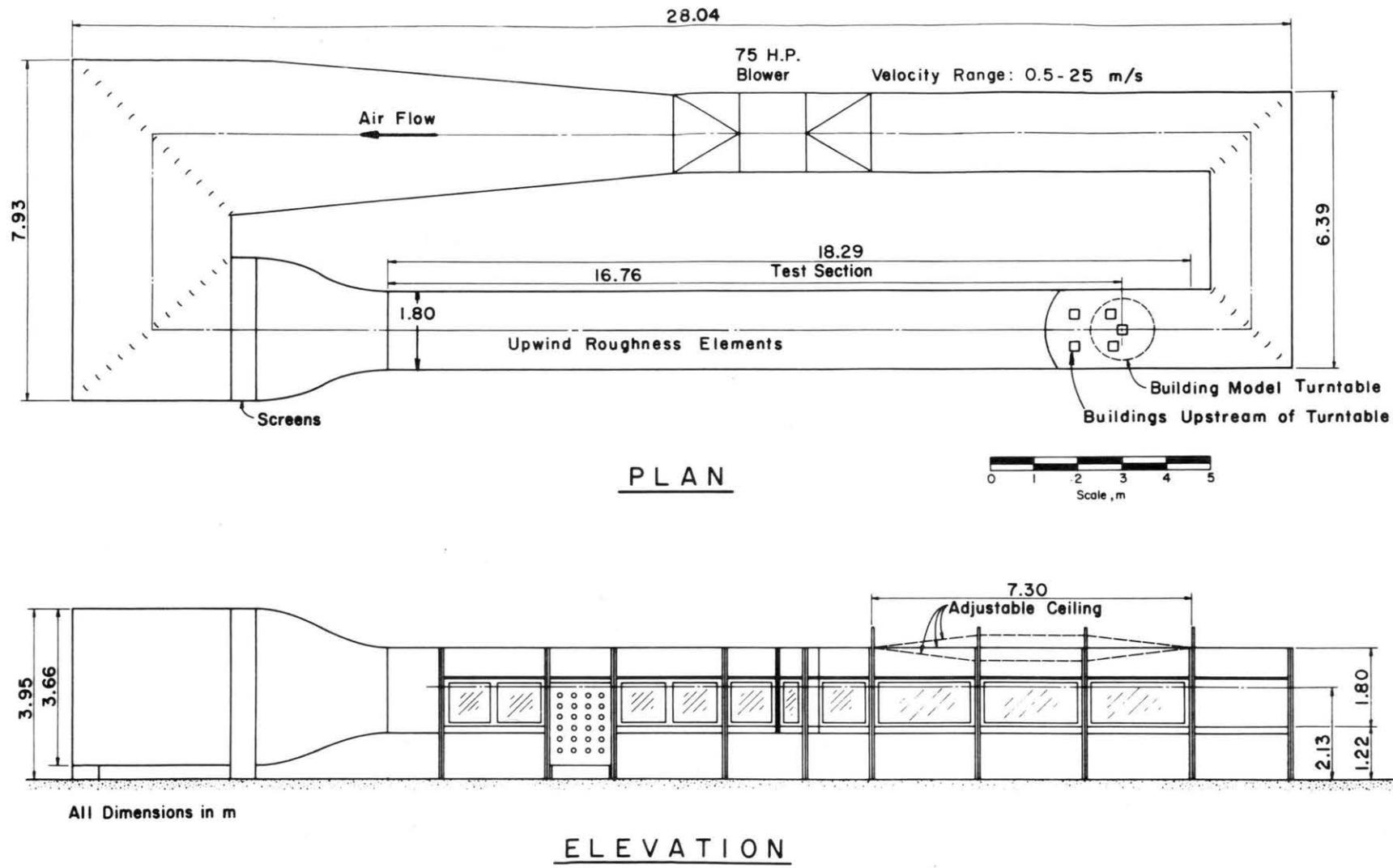


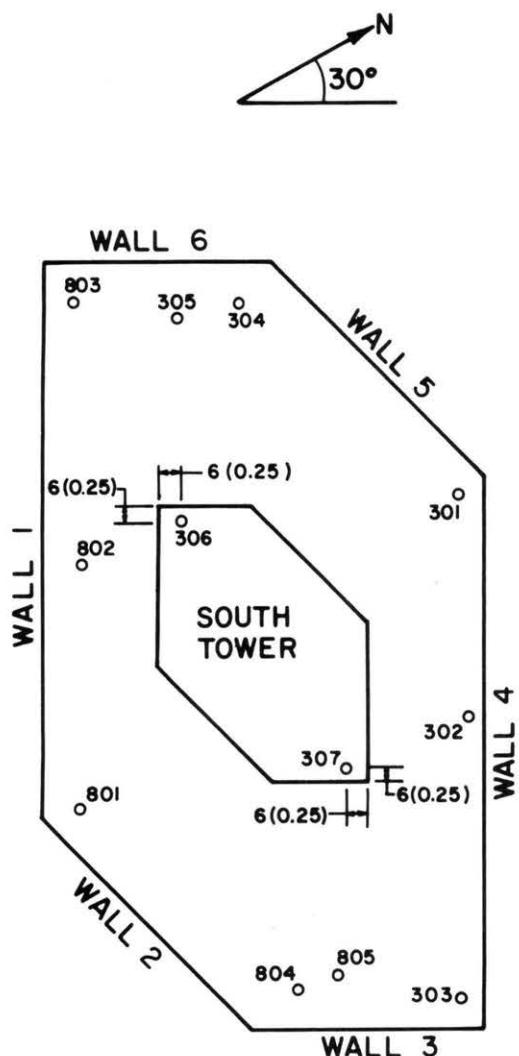
FIGURE I - FLUID DYNAMICS AND DIFFUSION LABORATORY
COLORADO STATE UNIVERSITY



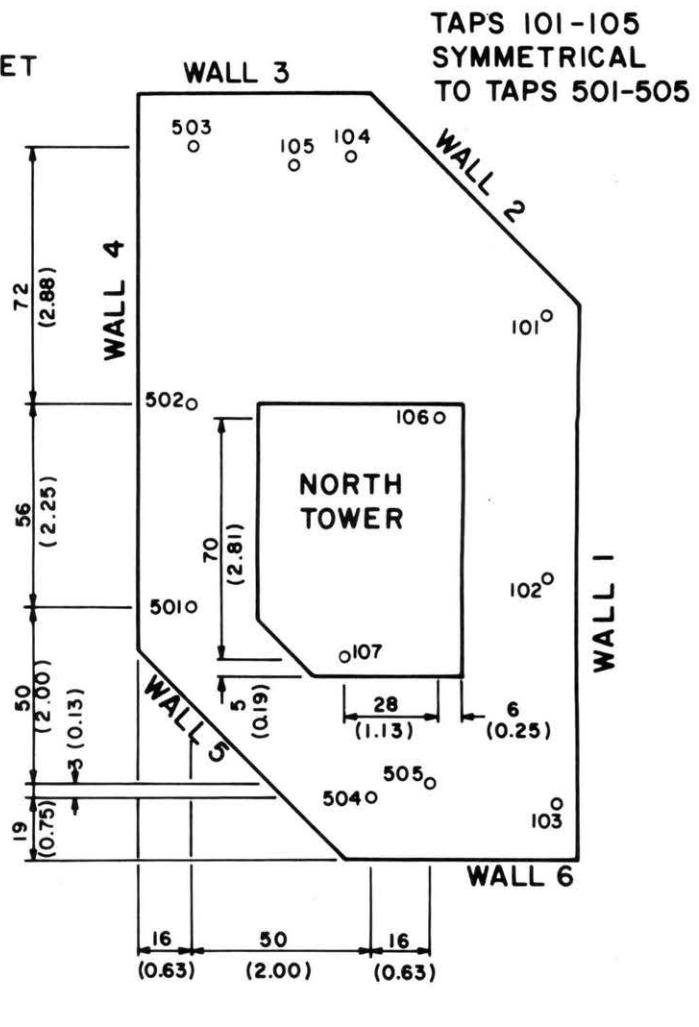
INDUSTRIAL AERODYNAMICS WIND TUNNEL

Figure 2 - Wind Tunnel Configuration

DIMENSIONS IN FULL SCALE FEET
AND MODEL INCHES ()



DIMENSION FOR SOUTH
TOWER IDENTICAL TO
NORTH EXCLUDING
PENTHOUSE



MODEL SCALE = 1:300

Figure 3a. Pressure Tap Locations.

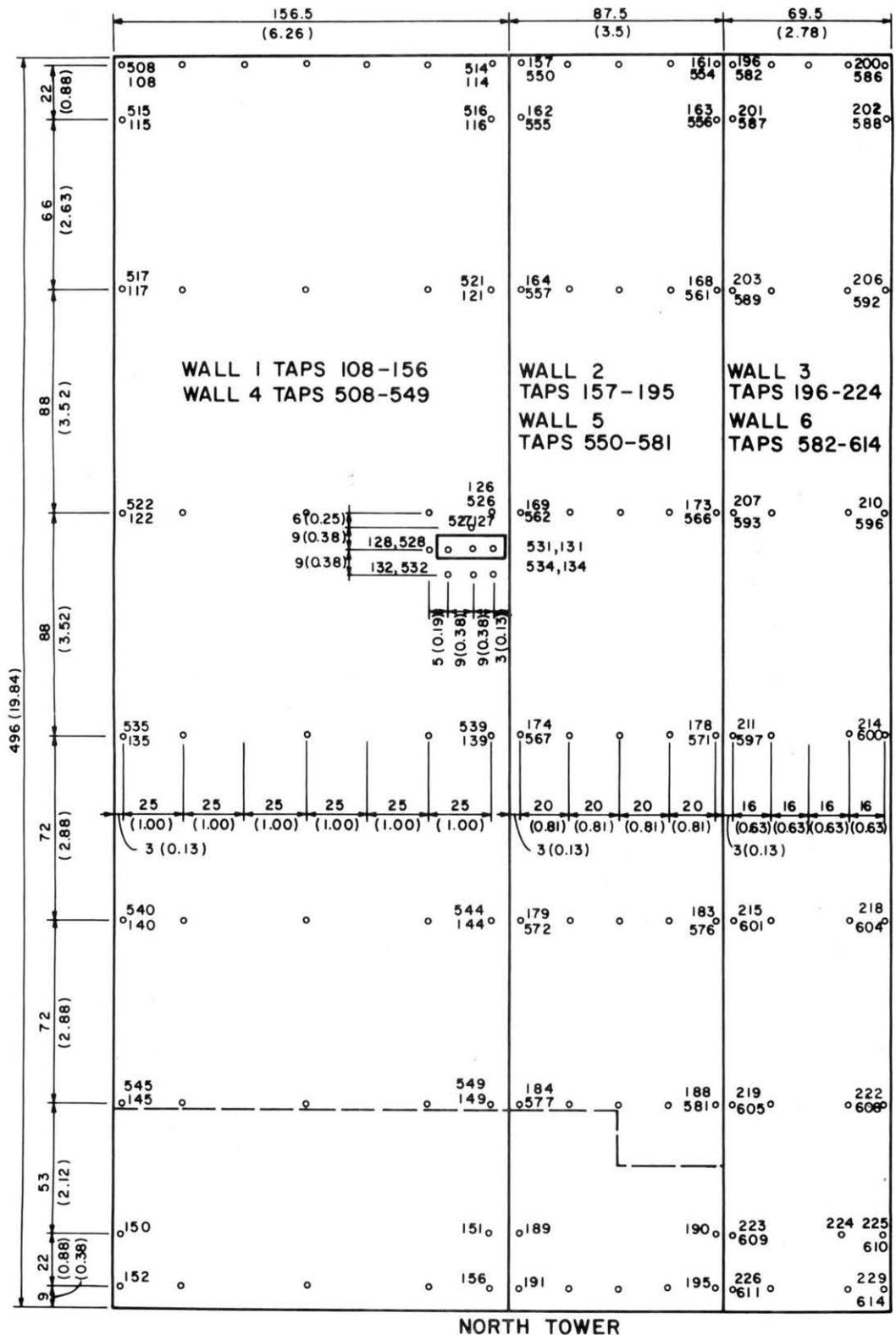


Figure 3b. Pressure Tap Locations.

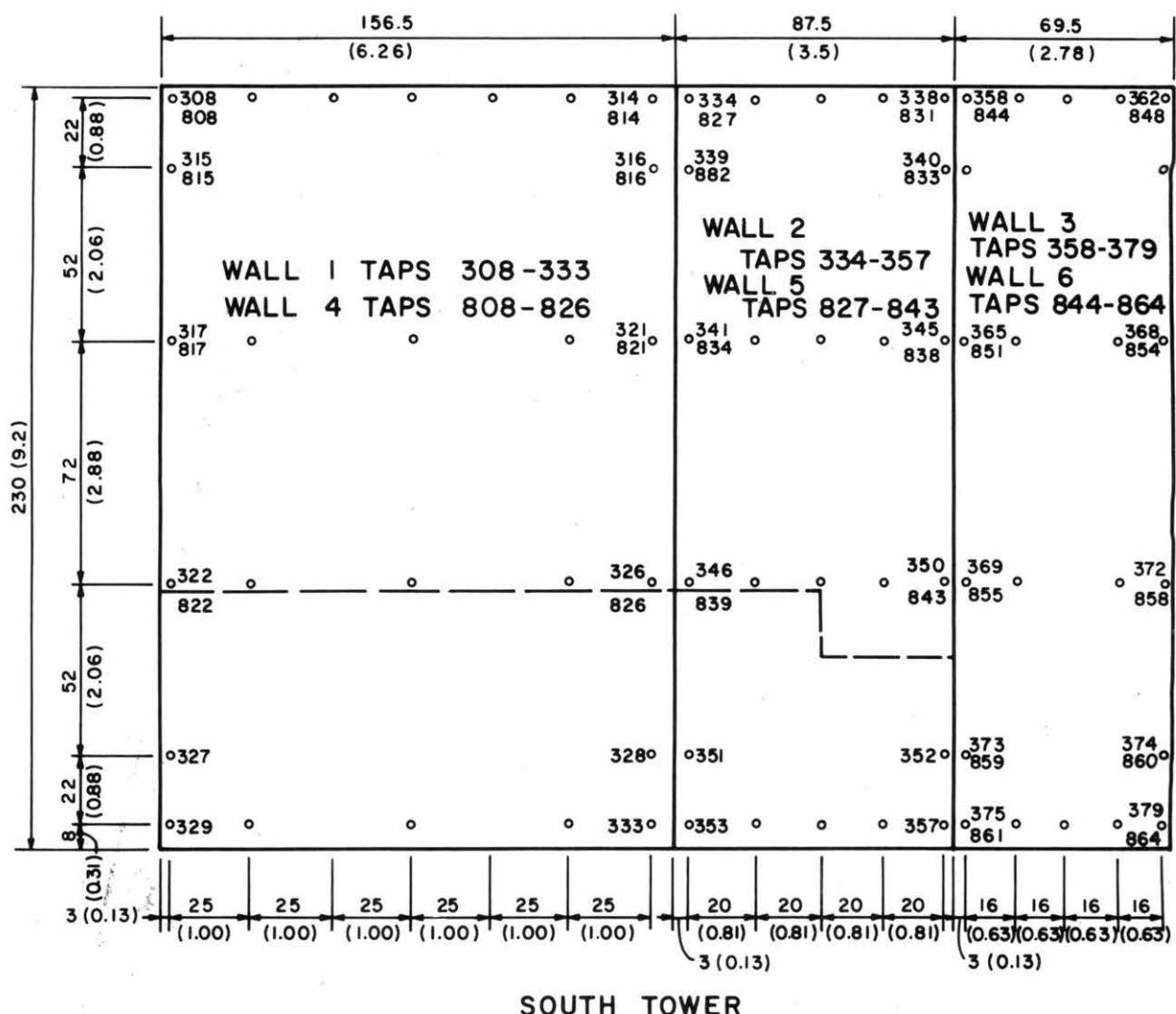


Figure 3c. Pressure Tap Locations.

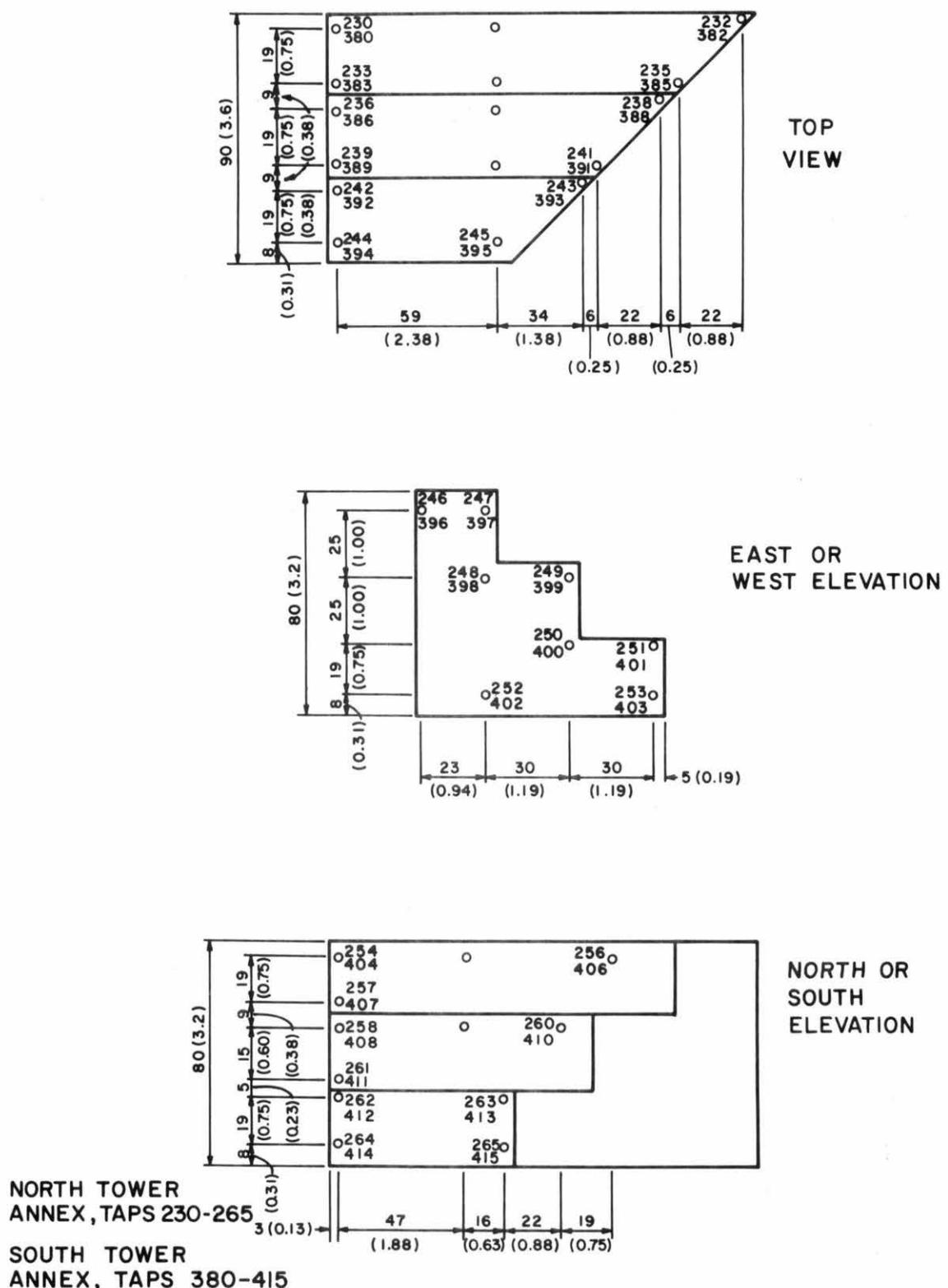


Figure 3d. Pressure Tap Locations.

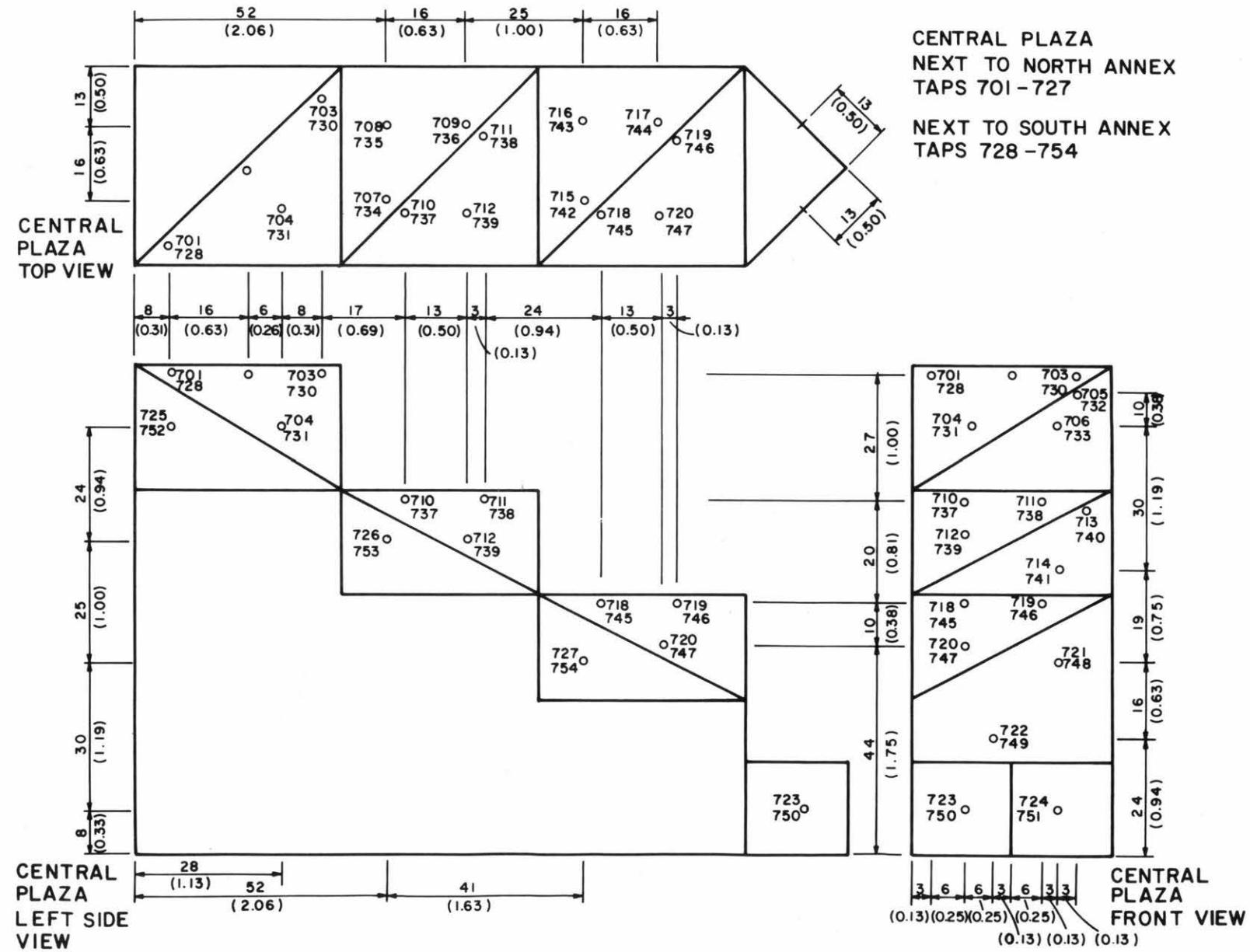


Figure 3e. Pressure Tap Locations.

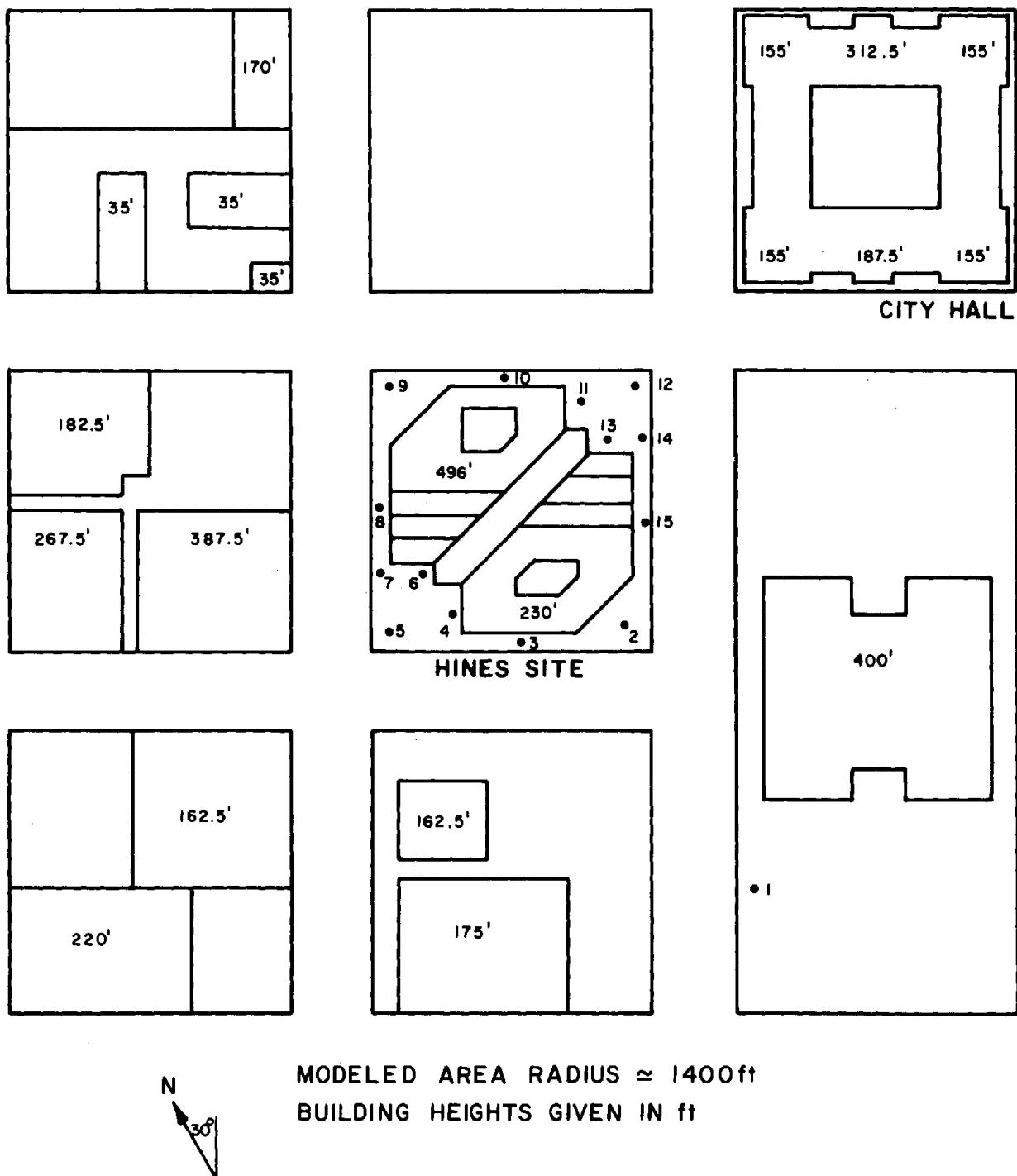


Figure 4. Building Location and Pedestrian Wind Velocity Measuring Positions.

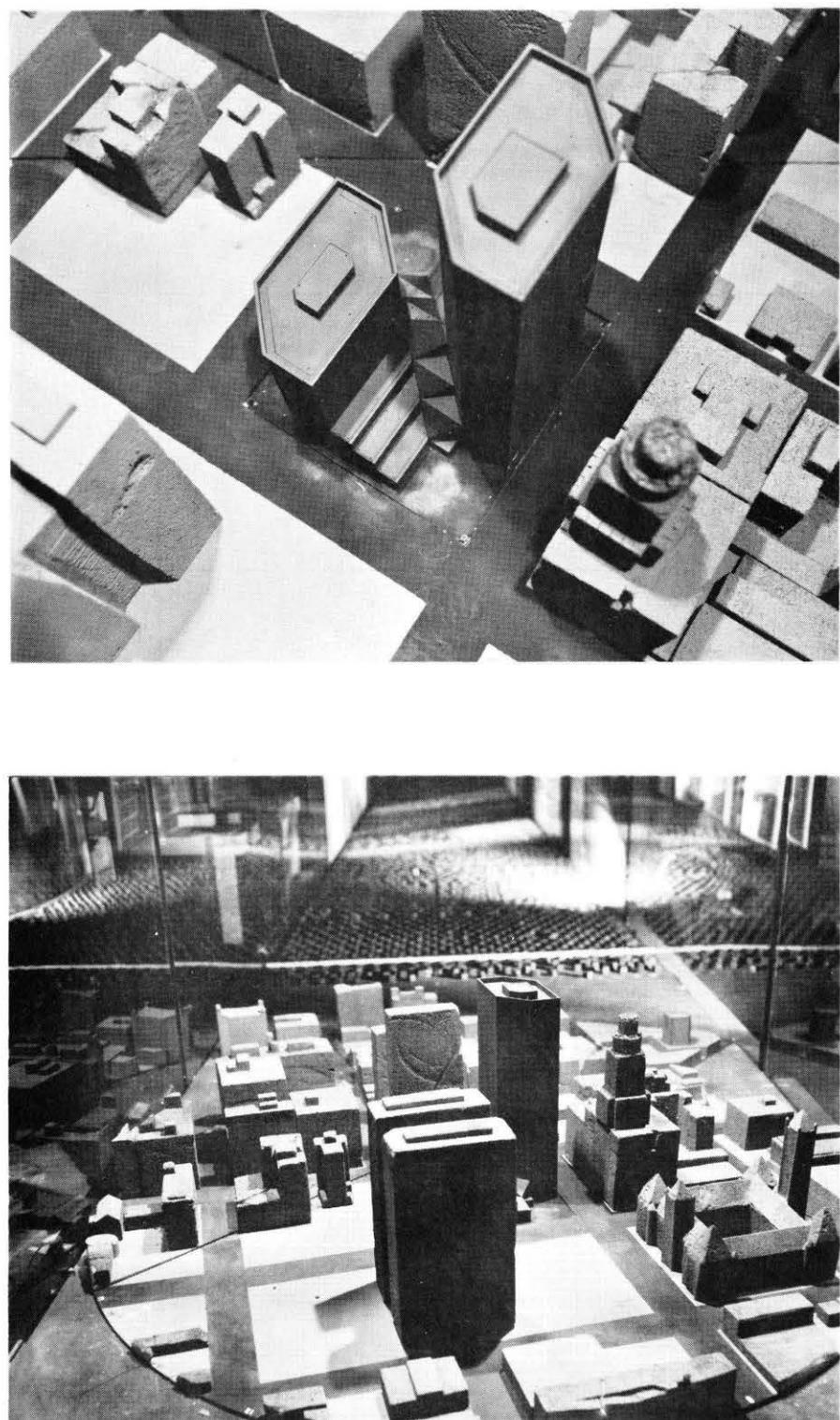


Figure 5. Completed Model in Wind Tunnel,

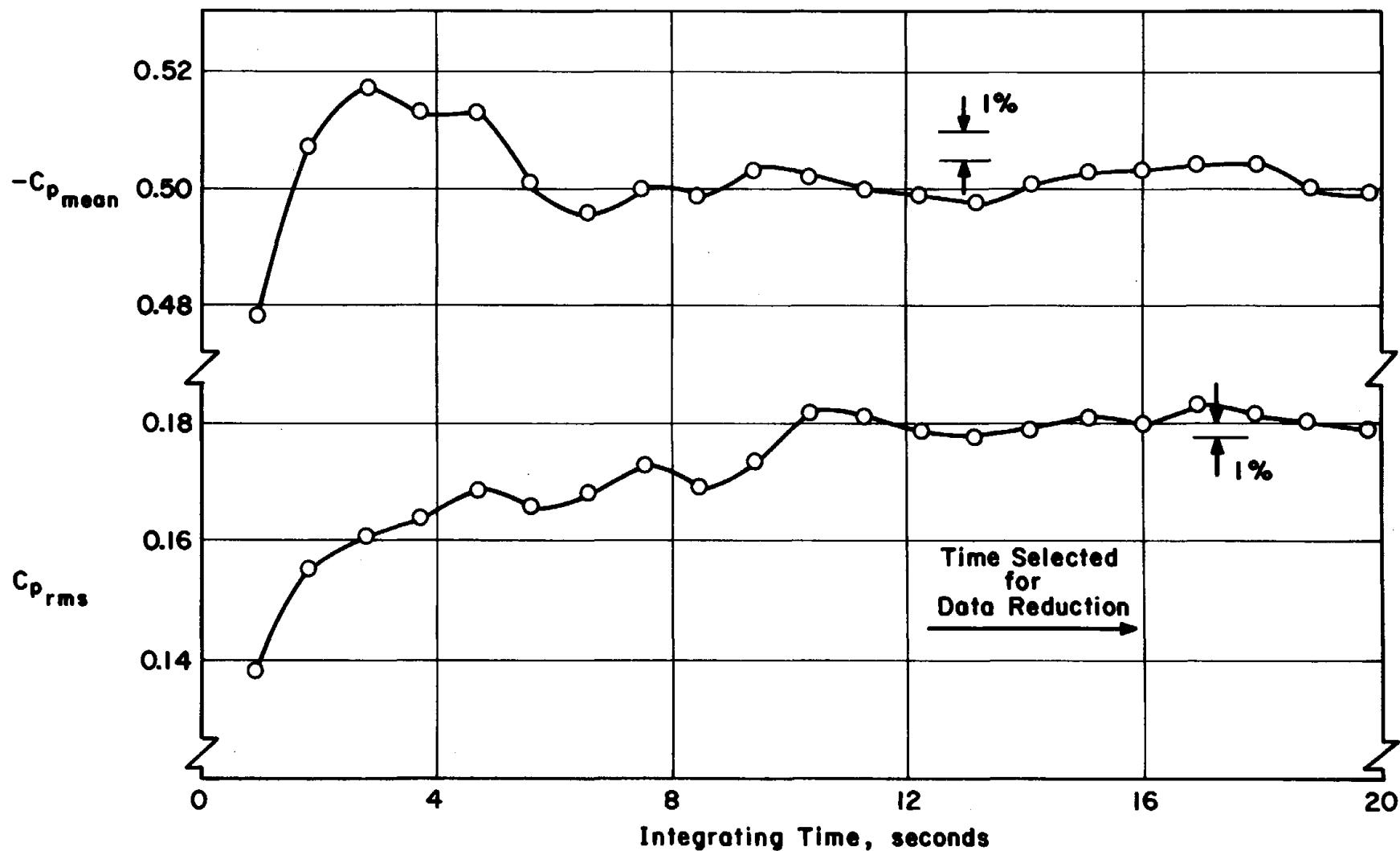


Figure 6 - Data Sampling Time Verification

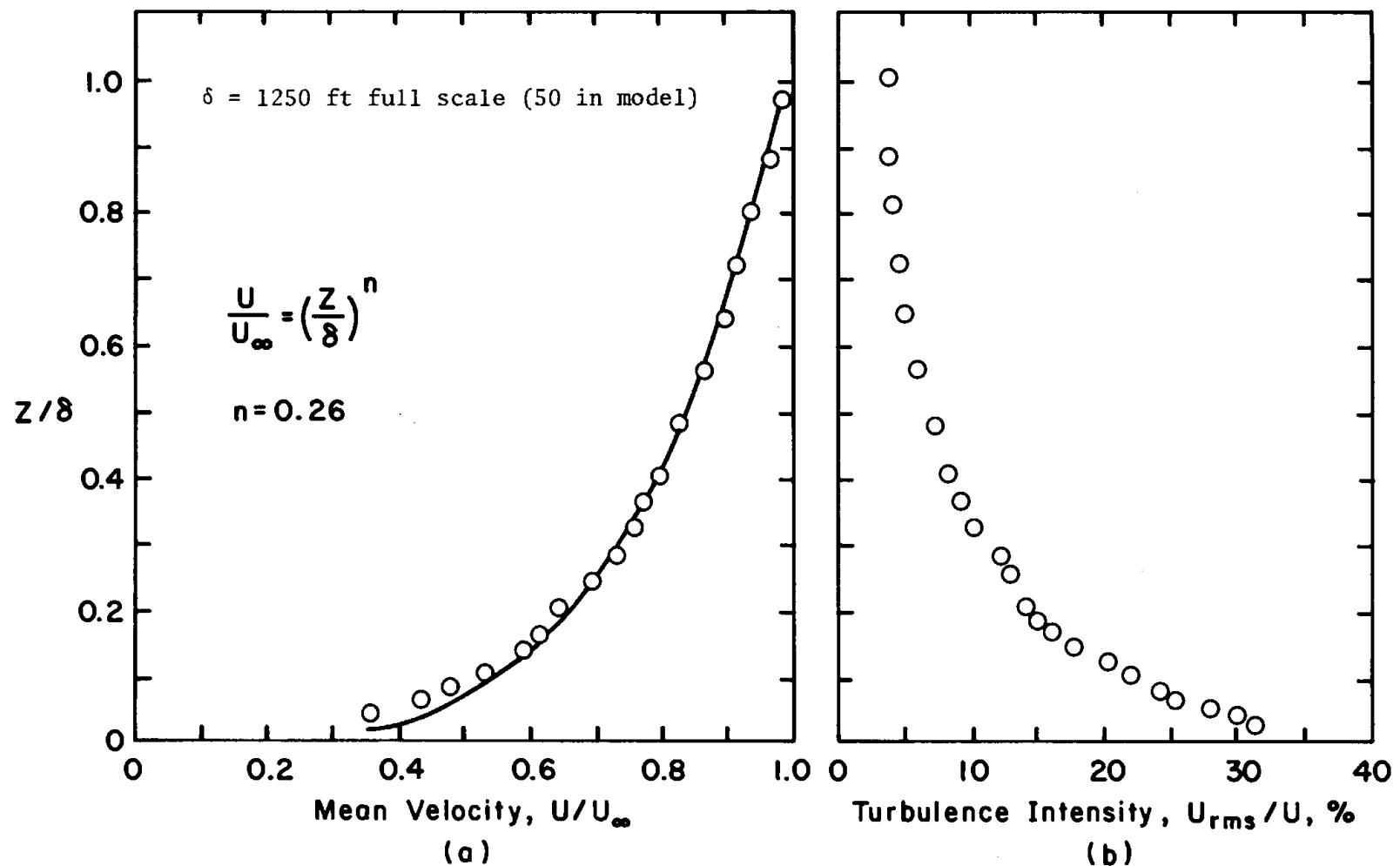


Figure 7 - Velocity and Turbulence Profiles Approaching the Model

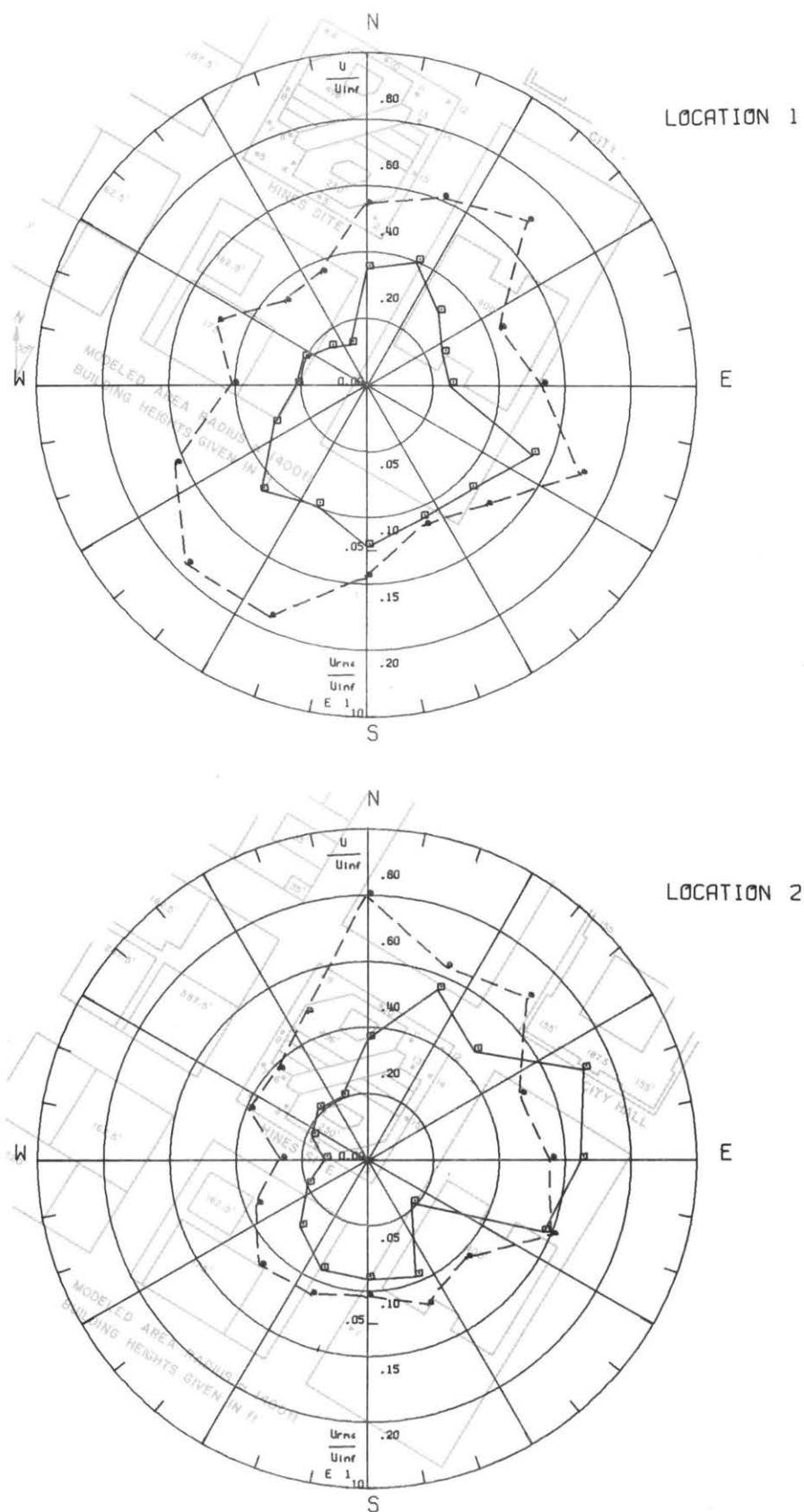


Figure 8a. Mean Velocities and Turbulence Intensities at Pedestrian Locations 1 and 2.

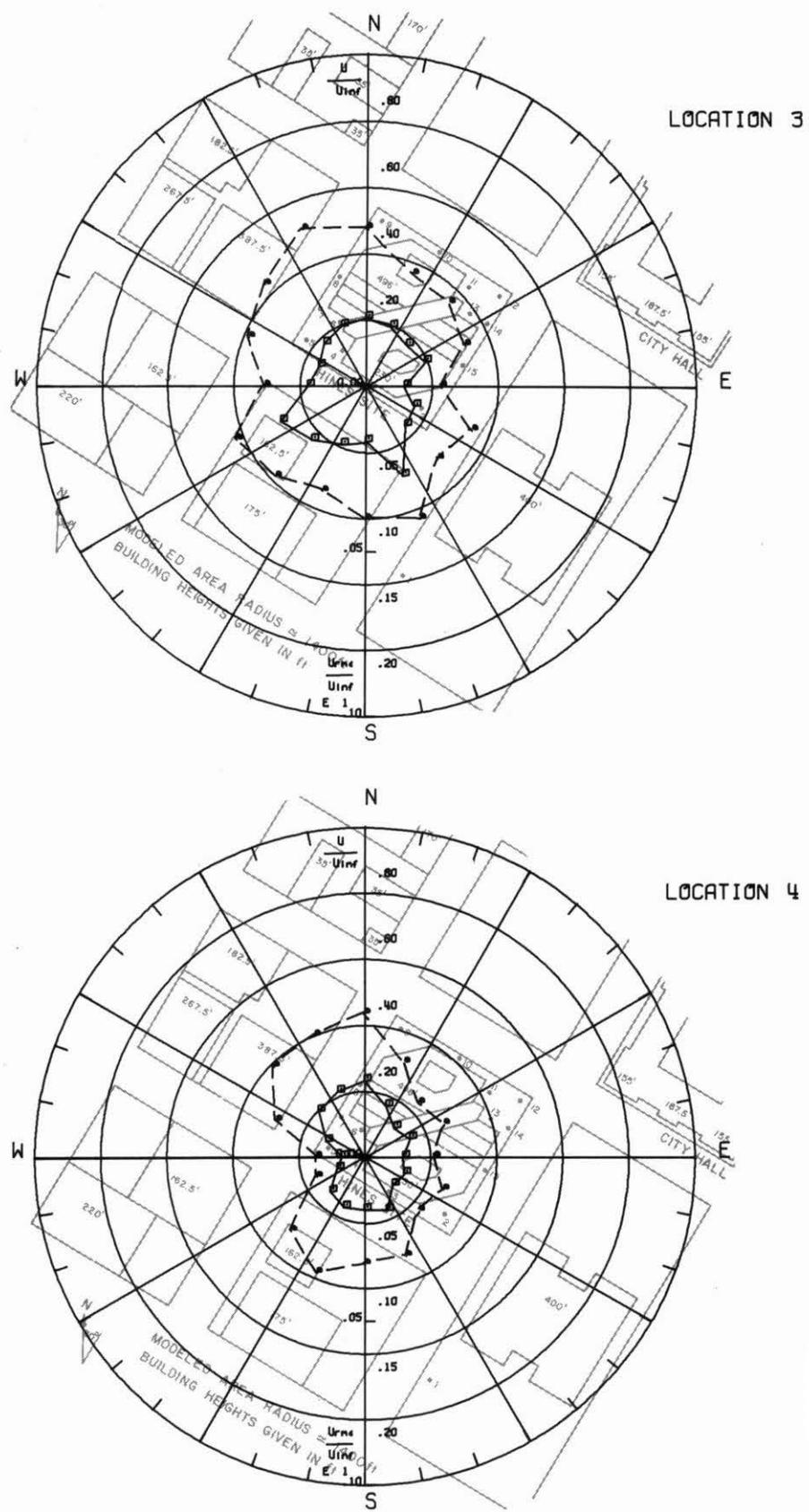


Figure 8b. Mean Velocities and Turbulence Intensities at Pedestrian Locations 3 and 4.

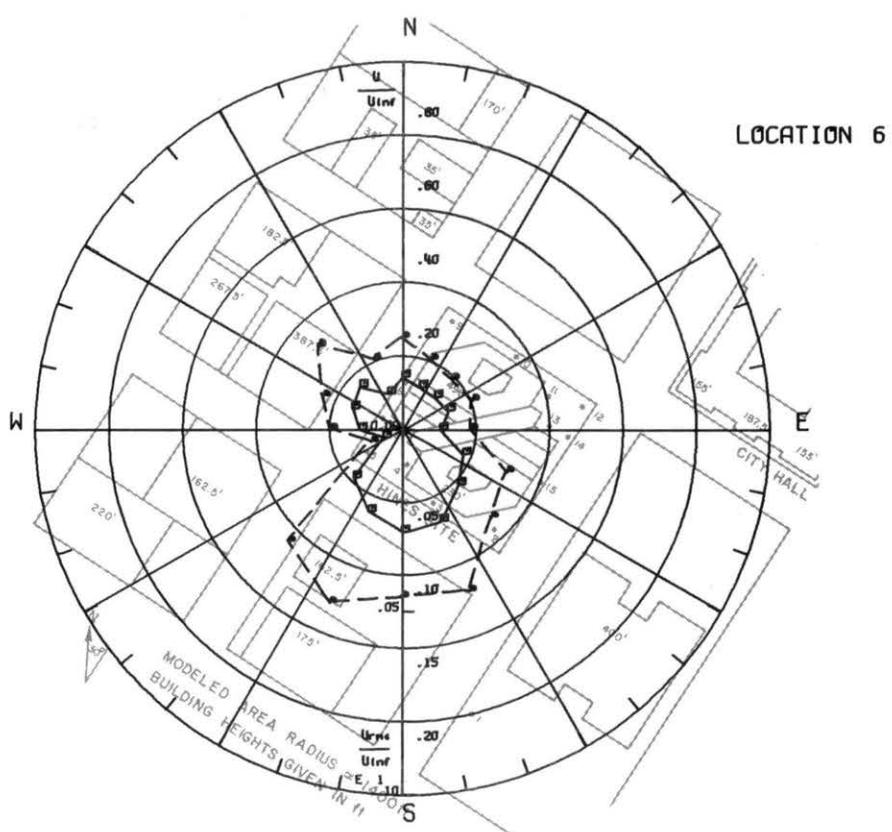
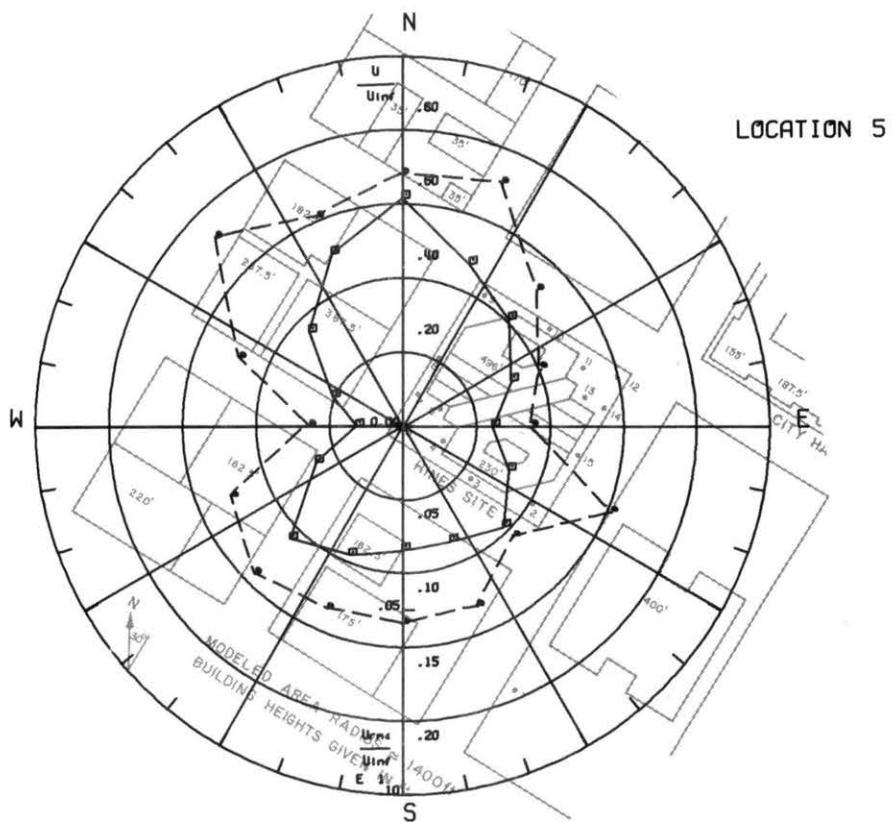


Figure 8c. Mean Velocities and Turbulence Intensities at Pedestrian Locations 5 and 6.

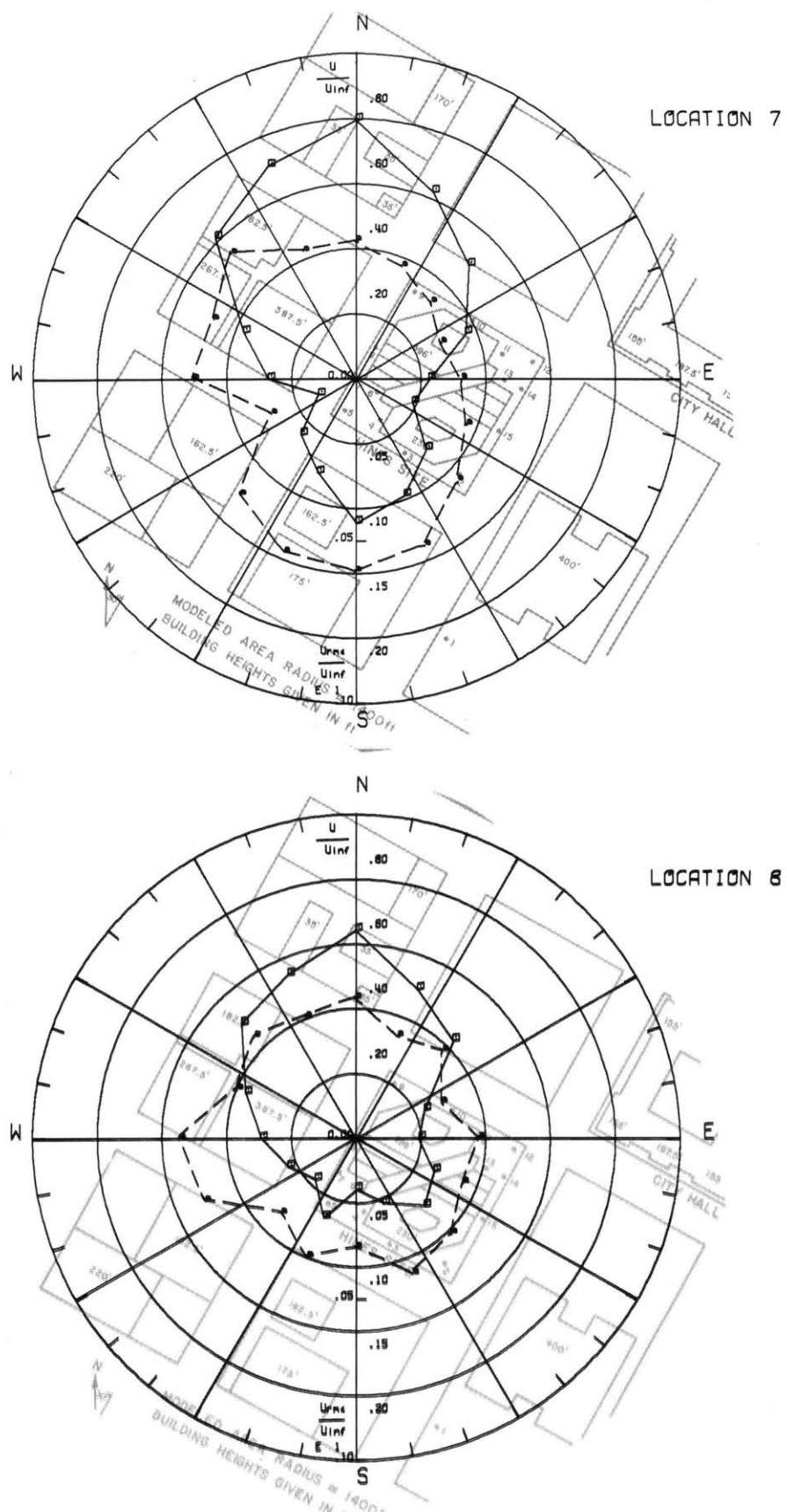


Figure 8d. Mean Velocities and Turbulence Intensities at Pedestrian Locations 7 and 8.

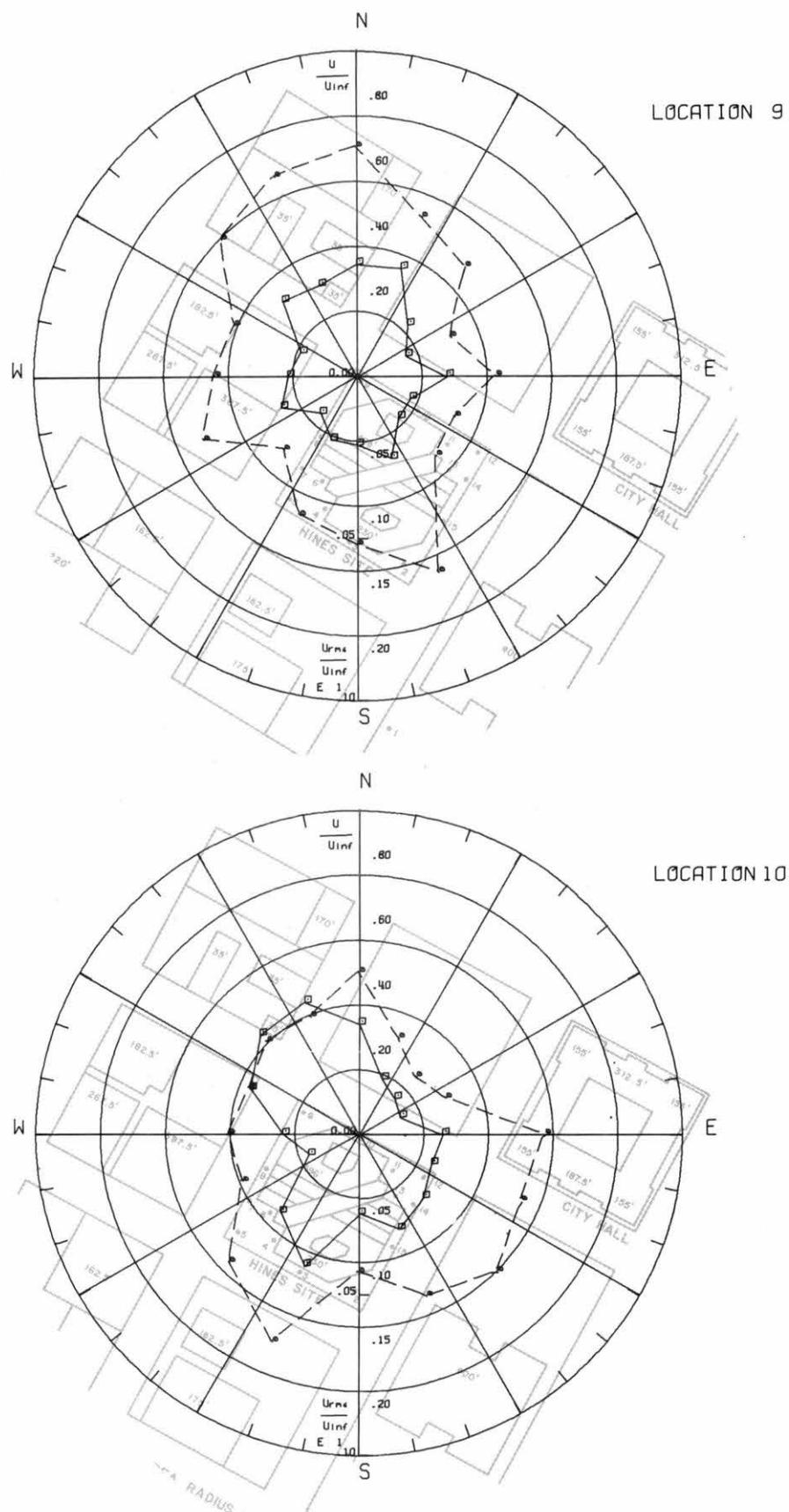


Figure 8e. Mean Velocities and Turbulence Intensities at Pedestrian Locations 9 and 10.

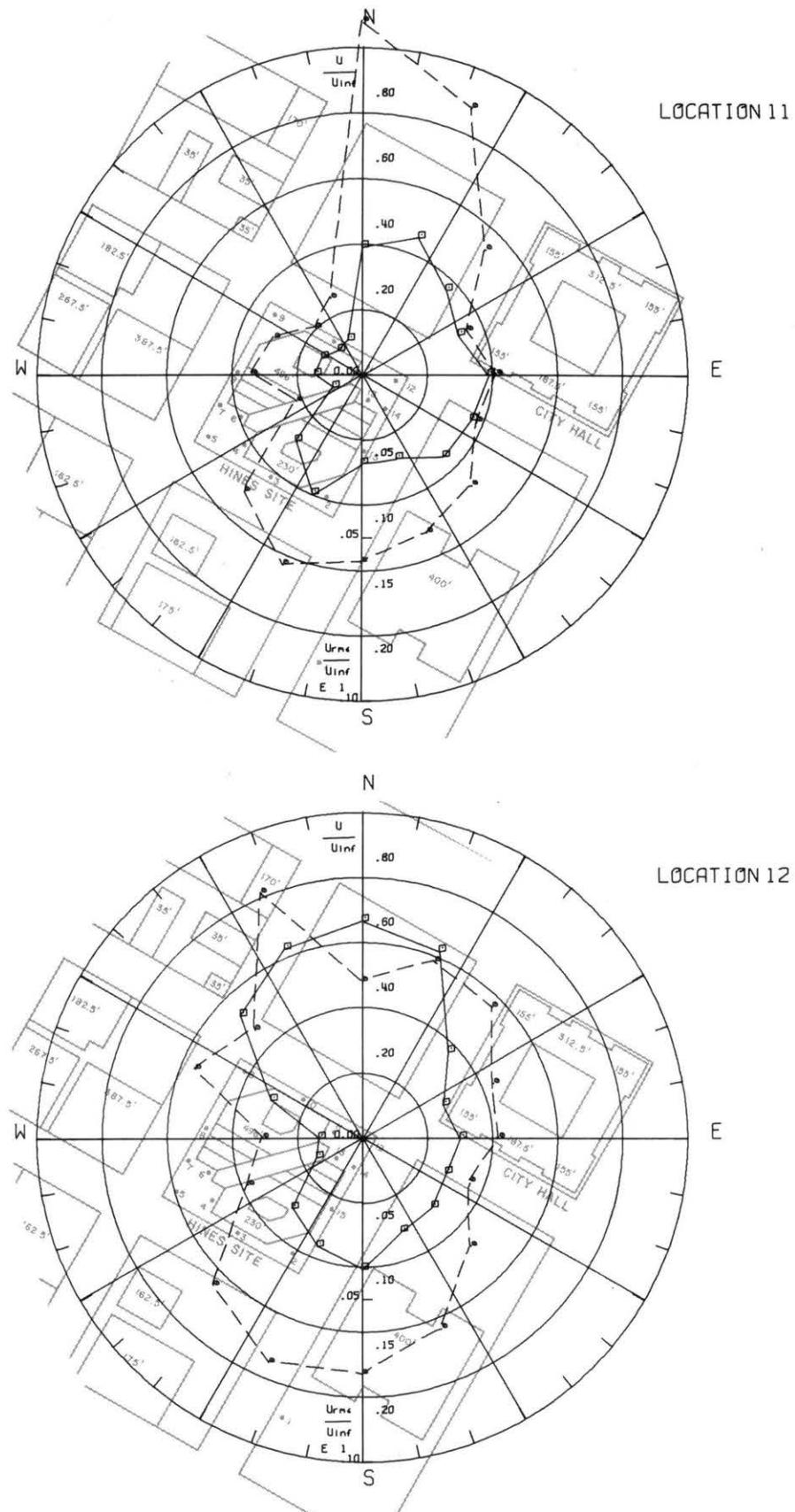


Figure 8f. Mean Velocities and Turbulence Intensities at Pedestrian Locations 11 and 12.

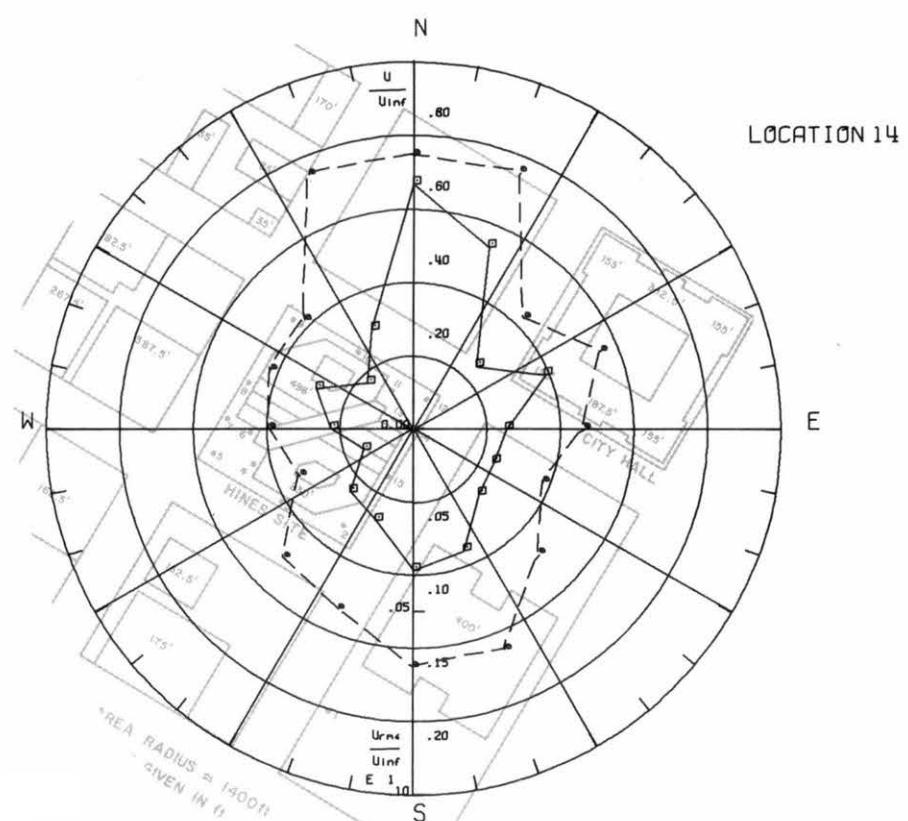
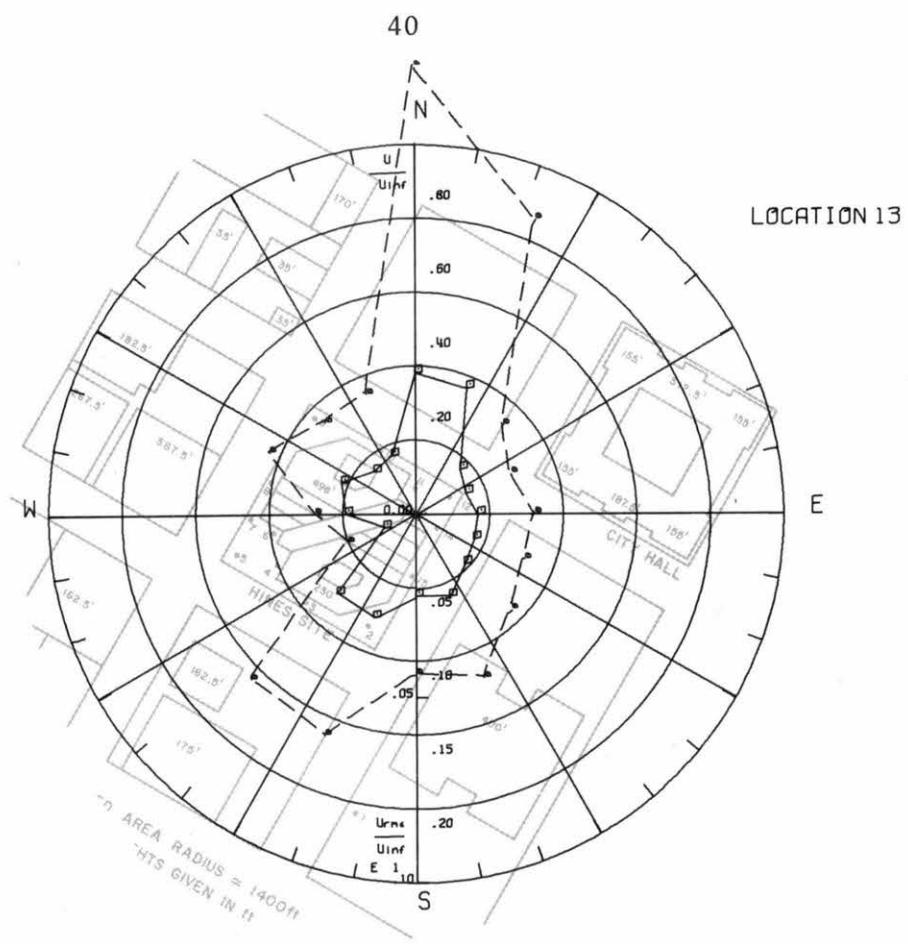


Figure 8g. Mean Velocities and Turbulence Intensities at Pedestrian Locations 13 and 14.

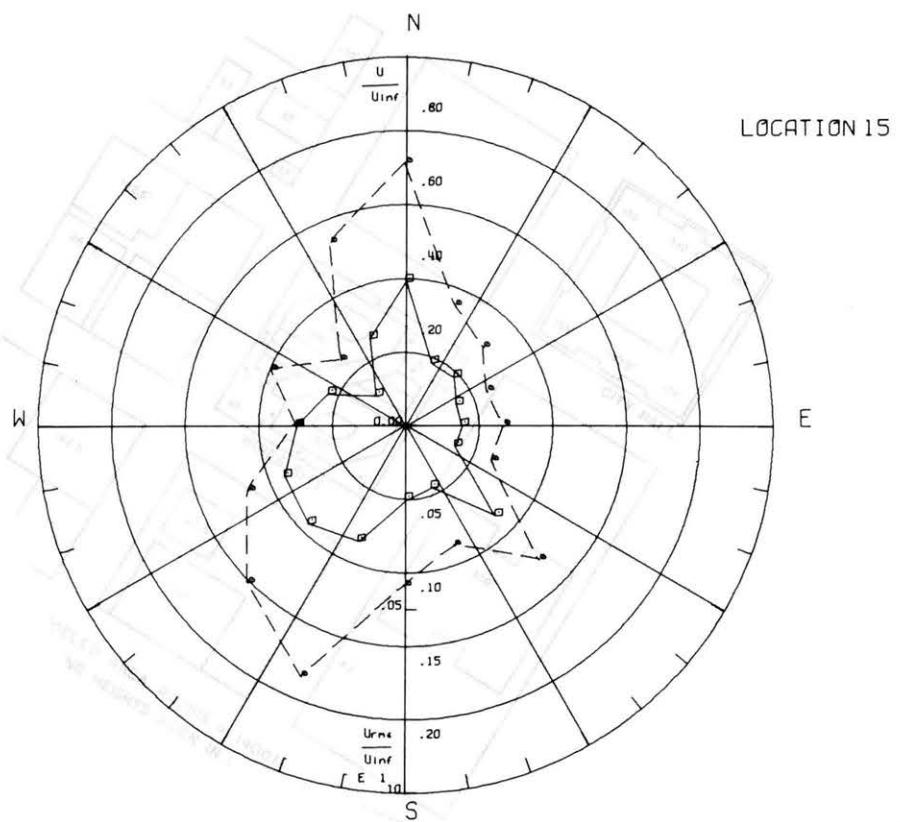


Figure 8h. Mean Velocities and Turbulence Intensities at Pedestrian Location 15.

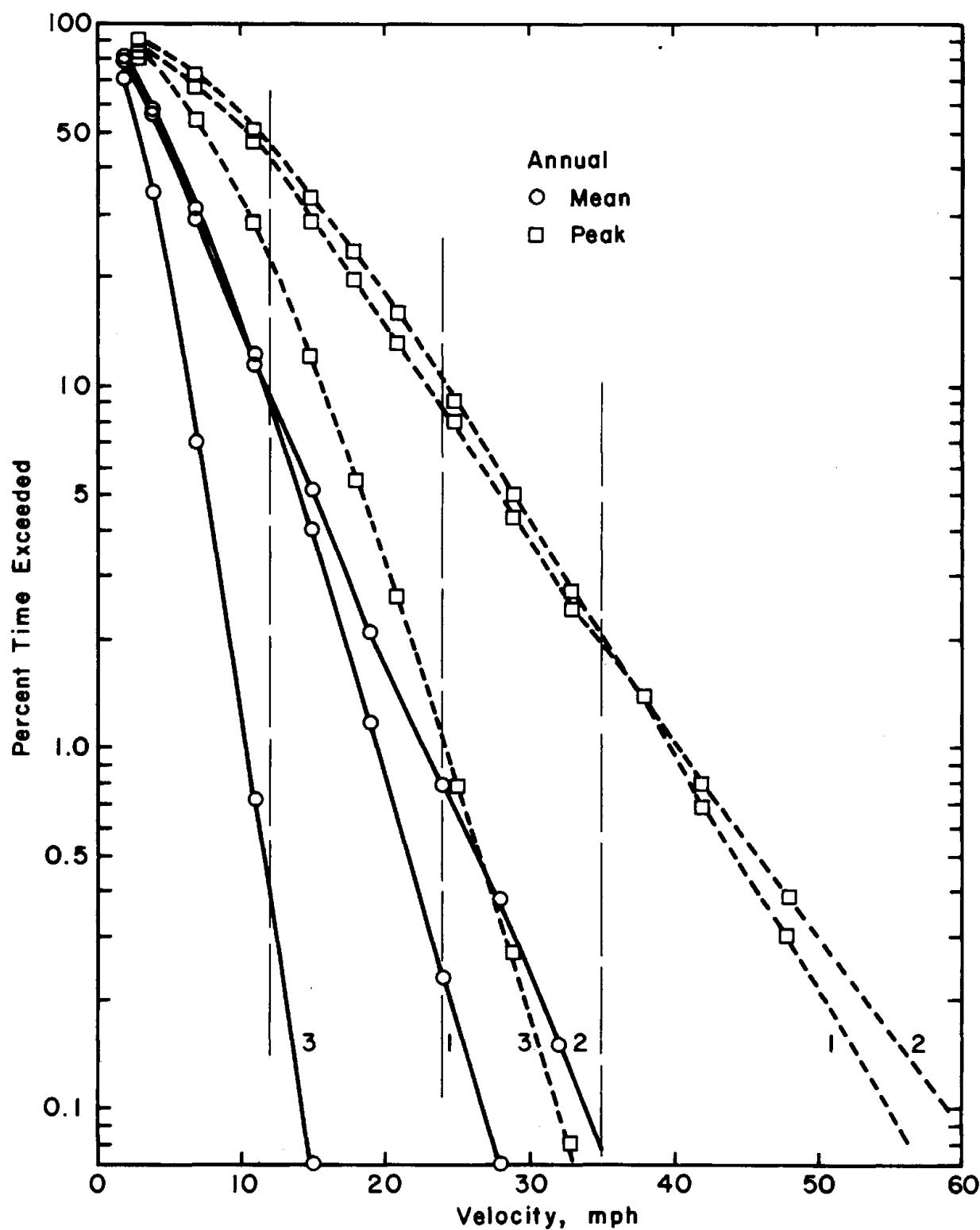


Figure 9a. Wind Velocity Probabilities for Pedestrian Locations.

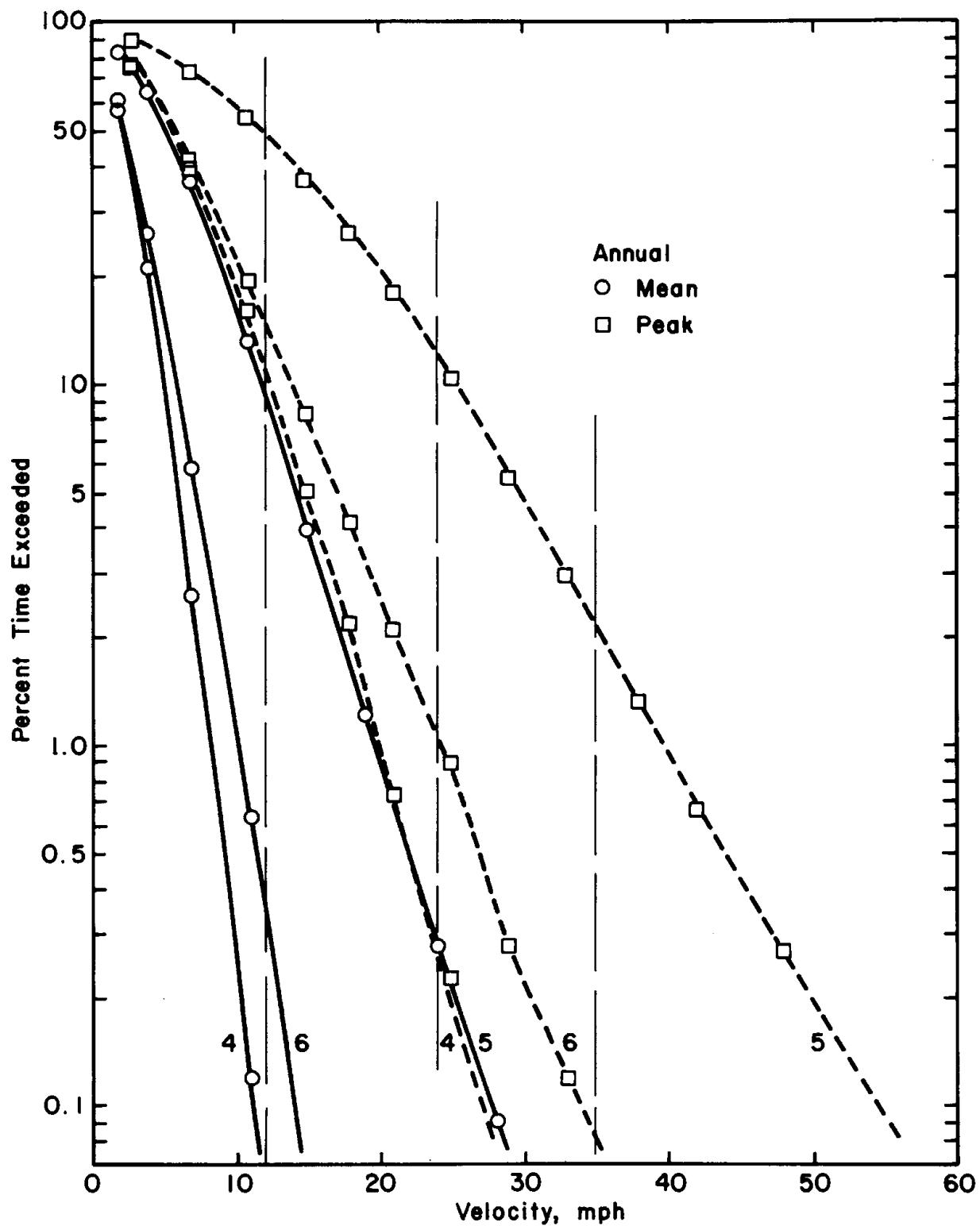


Figure 9b. Wind Velocity Probabilities for Pedestrain Locations.

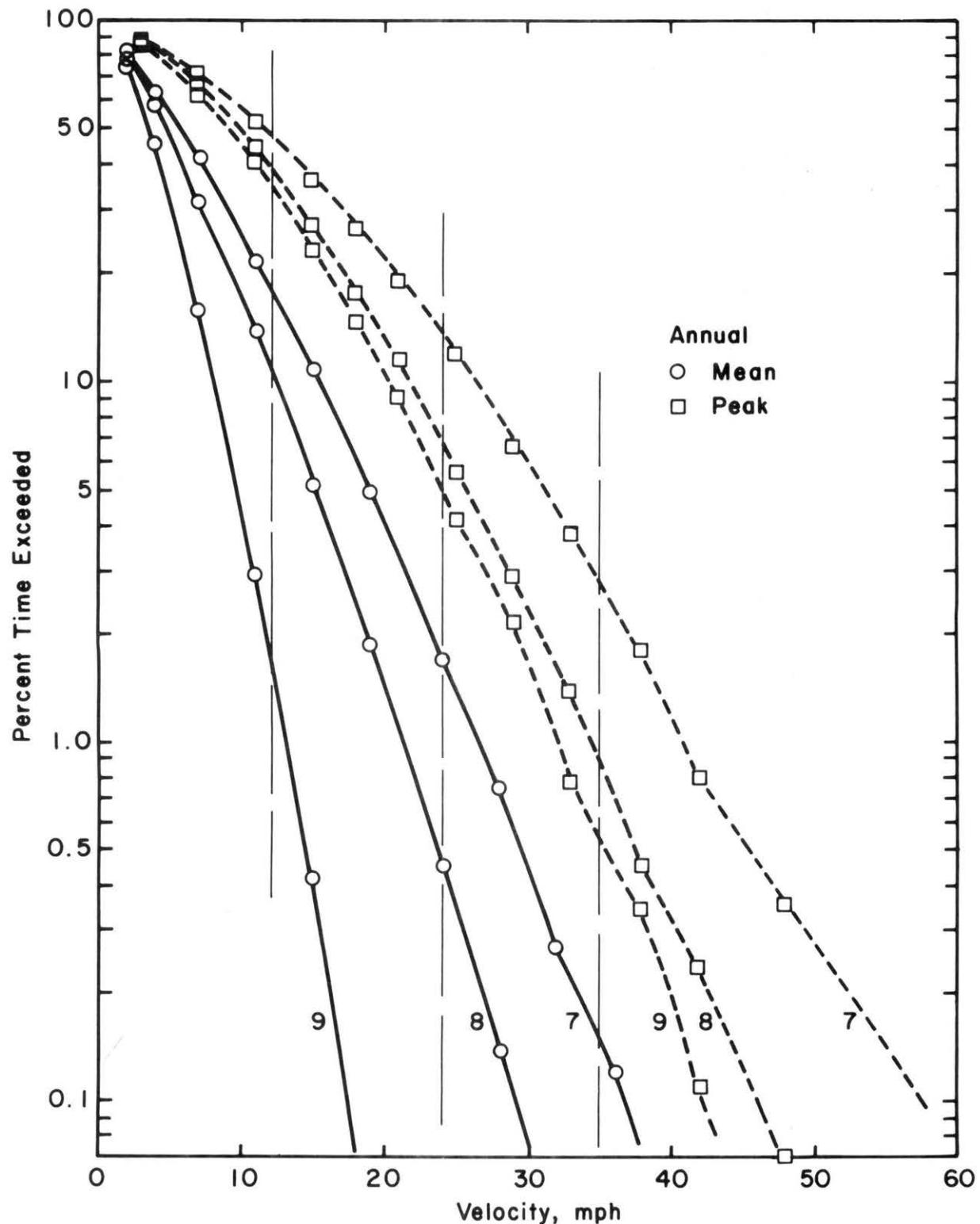


Figure 9c. Wind Velocity Probabilities for Pedestrian Locations.

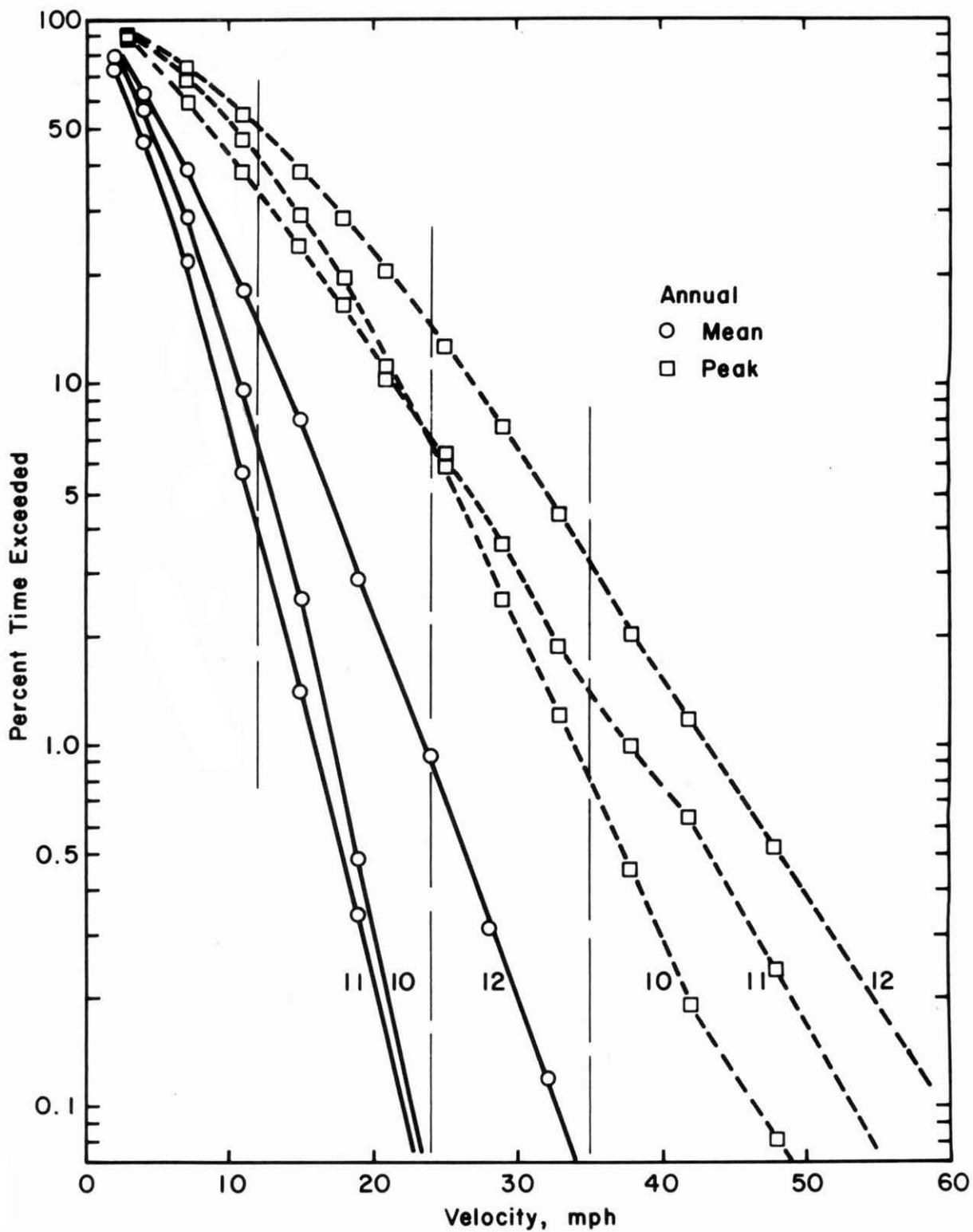


Figure 9d. Wind Velocity Probabilities for Pedestrian Locations.

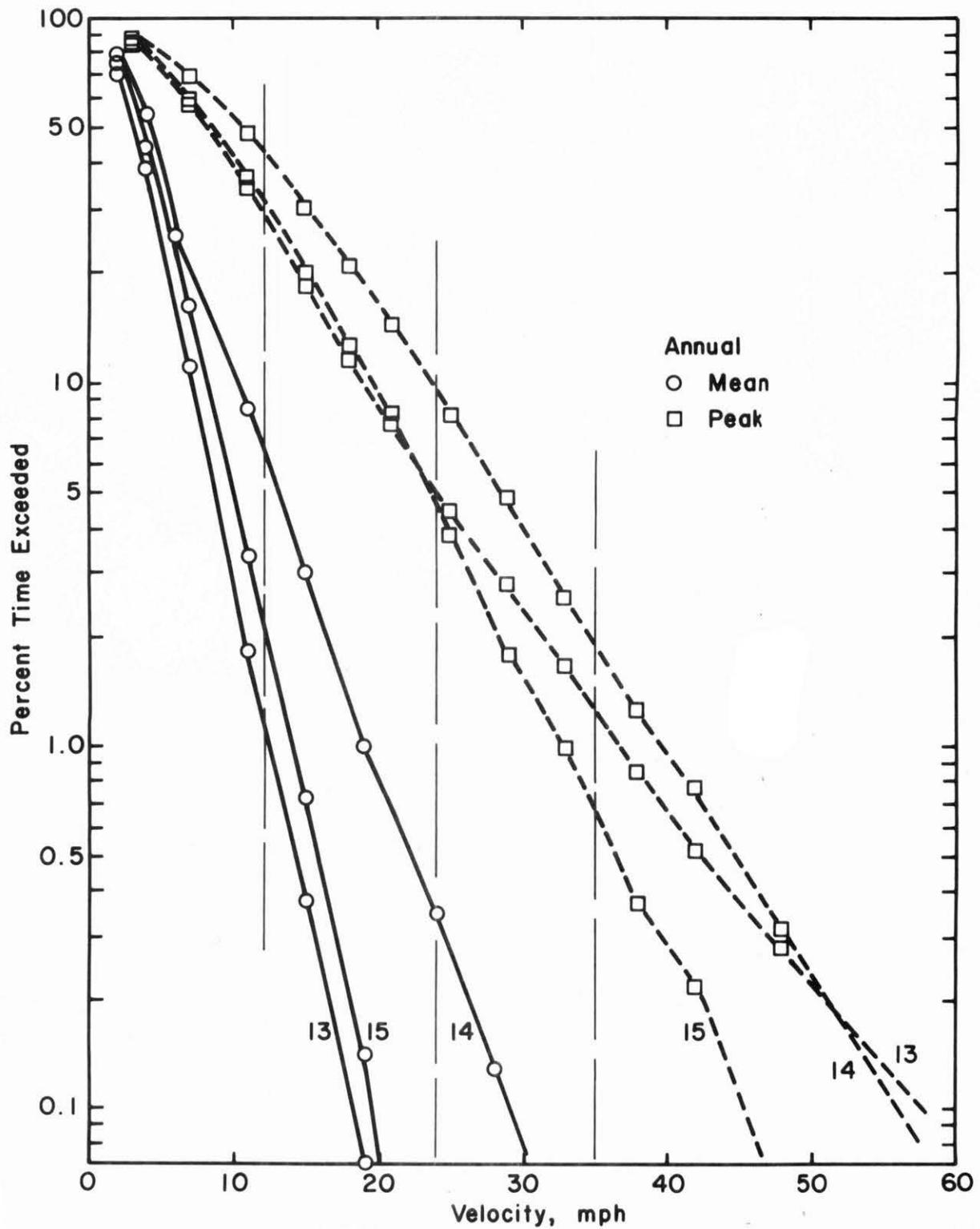


Figure 9e. Wind Velocity Probabilities for Pedestrian Locations.

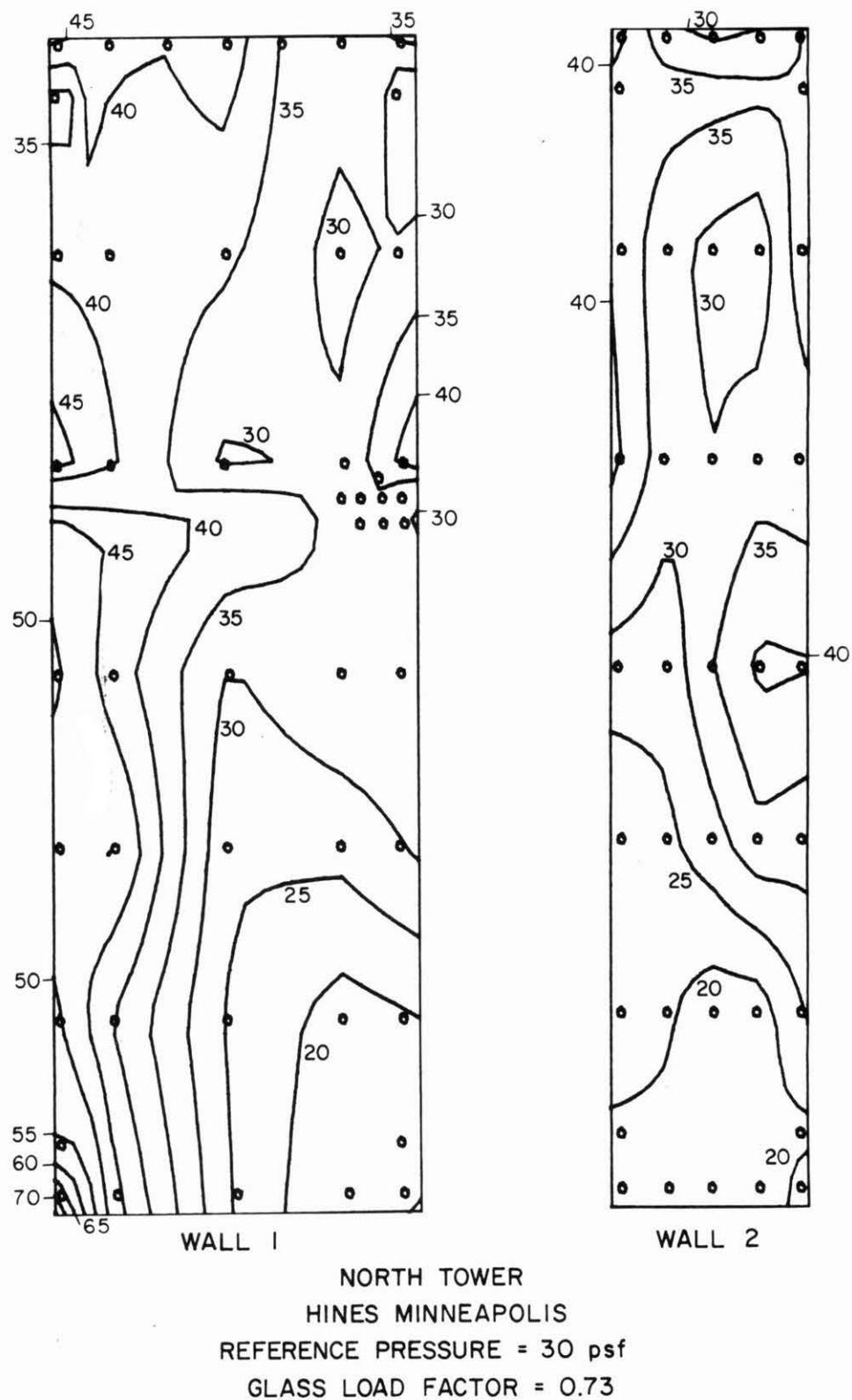


Figure 10a. Peak-Pressure Contours on the Building for Glass Loads.

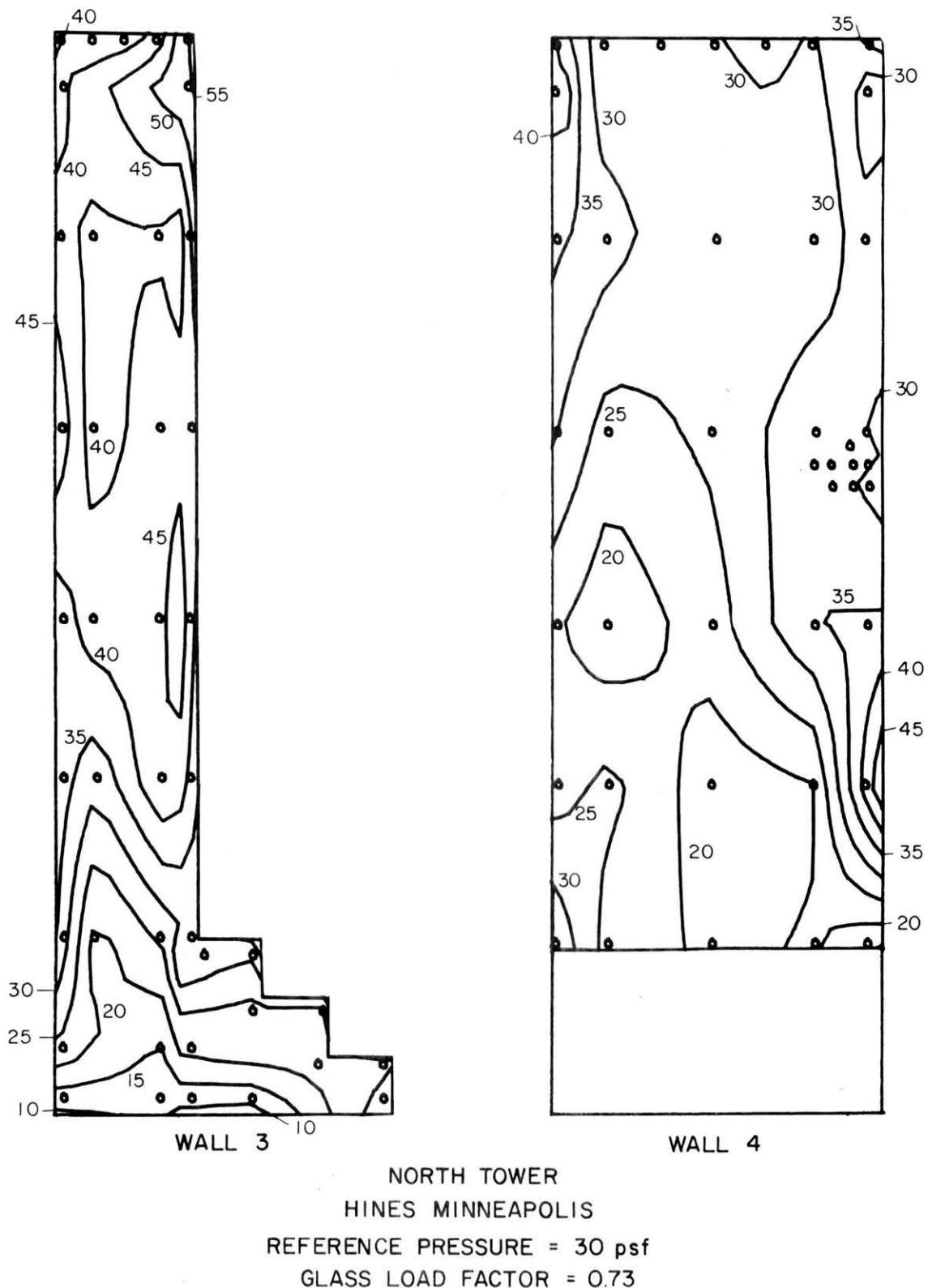


Figure 10b. Peak-Pressure Contours on the Building for Glass Loads.

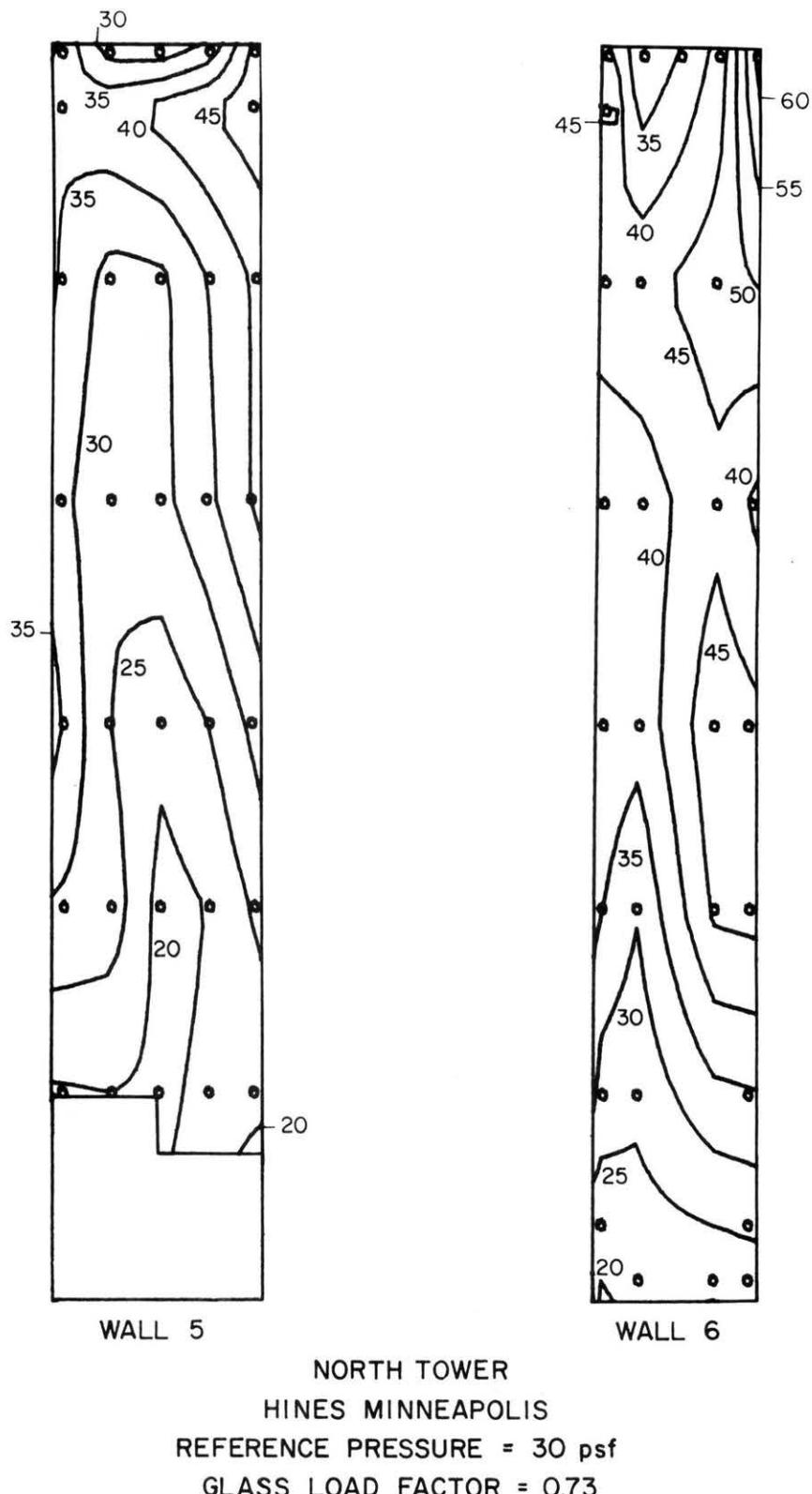


Figure 10c. Peak-Pressure Contours on the Building for Glass Loads.

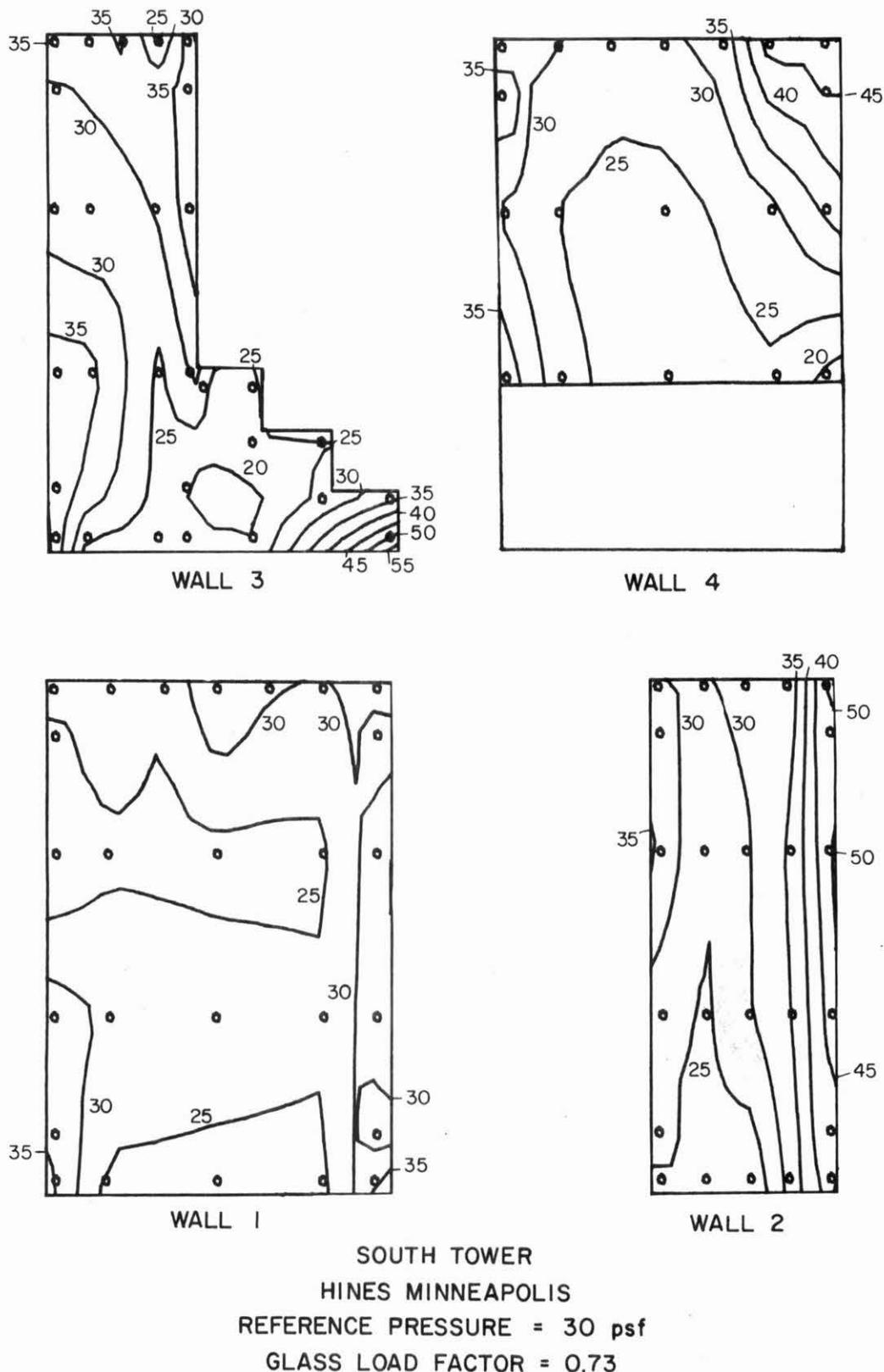


Figure 10d. Peak-Pressure Contours on the Building for Glass Loads.

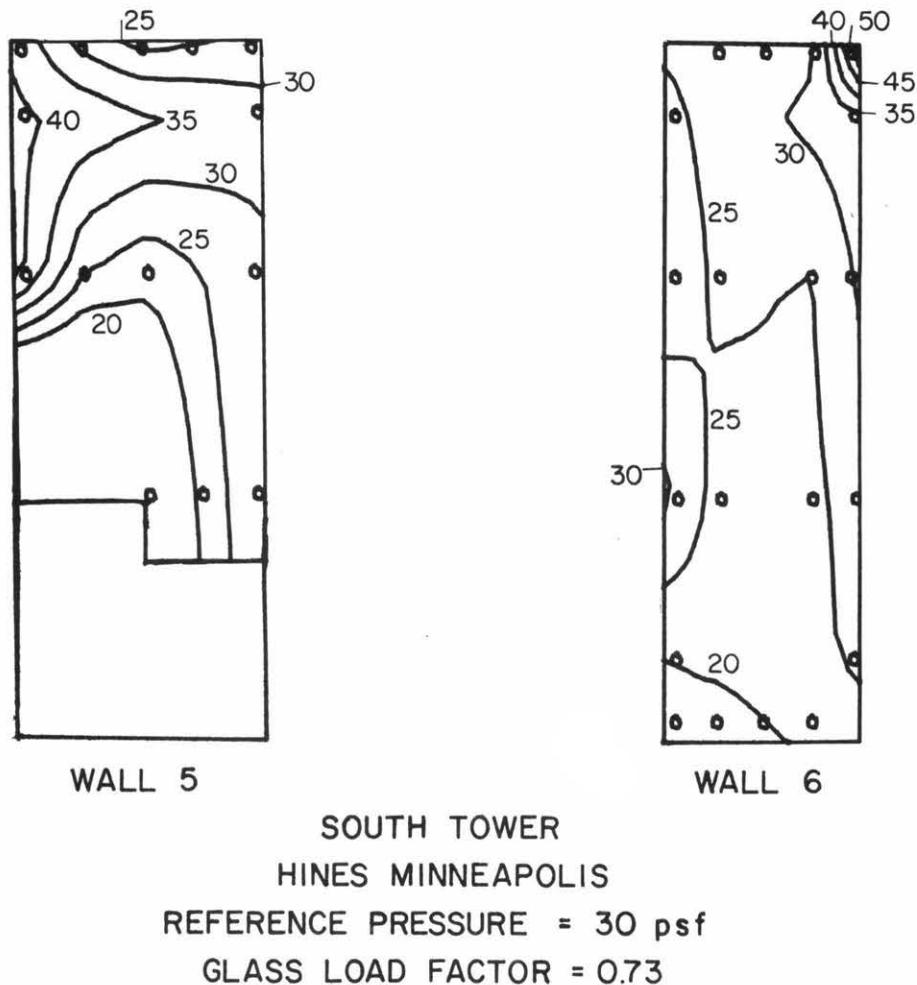


Figure 10e. Peak-Pressure Contours on the Building for Glass Loads.

TABLE 1. MOTION PICTURE SCENE GUIDE -- HINES ONE MINNEAPOLIS

Run	Wind Azimuth
1	0°
2	45°
3	90°
4	135°
5	180°
6	225°
7	270°
8	315°

All views are from the top

Length \approx 295 ft

Running Time \approx 8 min

TABLE 2. PEDESTRIAN WIND VELOCITIES AND TURBULENCE INTENSITIES
HINES ONE MINNEAPOLIS

POSITION 1

WIND AZIMUTH	U/UINF (PERCENT)	URMS/UINF (PERCENT)	URMS/U (PERCENT)	WIND AZIMUTH	U/UINF (PERCENT)	URMS/UINF (PERCENT)	URMS/U (PERCENT)
0.00	33.3	12.9	38.7	0.00	34.7	19.0	54.7
22.50	39.7	15.2	38.2	22.50	55.5	15.7	28.3
45.00	30.7	17.3	56.4	45.00	46.2	17.2	37.3
67.50	24.8	11.0	44.1	67.50	71.0	12.6	17.7
90.00	25.2	13.3	52.7	90.00	64.7	13.9	21.5
112.50	54.2	17.6	32.4	112.50	57.6	15.2	26.4
135.00	44.4	12.9	29.1	135.00	18.9	10.7	56.6
157.50	43.6	11.5	26.5	157.50	38.4	12.0	31.3
180.00	51.6	14.8	28.7	180.00	38.1	11.1	29.1
202.50	39.5	19.0	48.2	202.50	36.4	11.2	30.8
225.00	45.2	19.2	42.5	225.00	29.0	11.5	39.5
247.50	30.4	15.6	51.5	247.50	19.7	9.1	46.1
270.00	21.4	10.2	47.4	270.00	13.2	6.6	49.9
292.50	20.8	12.2	58.6	292.50	18.3	9.7	53.2
315.00	15.8	8.7	55.1	315.00	21.5	9.5	44.4
337.50	13.1	9.0	68.9	337.50	20.4	11.9	58.4

53

POSITION 3

WIND AZIMUTH	U/UINF (PERCENT)	URMS/UINF (PERCENT)	URMS/U (PERCENT)	WIND AZIMUTH	U/UINF (PERCENT)	URMS/UINF (PERCENT)	URMS/U (PERCENT)
0.00	19.6	11.4	58.1	0.00	22.2	10.4	46.8
22.50	19.5	9.2	47.0	22.50	16.9	7.8	46.1
45.00	17.4	8.9	50.9	45.00	12.6	5.8	46.0
67.50	19.2	8.1	42.2	67.50	14.8	6.5	43.8
90.00	11.6	5.7	49.0	90.00	11.6	5.3	45.7
112.50	15.7	8.7	55.5	112.50	12.9	6.5	49.9
135.00	16.6	7.7	46.3	135.00	12.0	5.8	48.5
157.50	29.1	10.8	37.2	157.50	17.5	8.1	46.6
180.00	23.7	10.8	45.5	180.00	15.5	7.5	48.5
202.50	19.1	8.6	44.9	202.50	16.7	9.6	57.5
225.00	23.1	9.6	41.7	225.00	14.8	7.9	53.2
247.50	28.0	10.6	37.9	247.50	9.1	3.9	43.4
270.00	17.6	7.7	43.5	270.00	7.0	3.7	52.7
292.50	15.5	9.6	61.9	292.50	12.7	7.3	57.3
315.00	18.1	10.9	60.1	315.00	19.8	9.7	49.1
337.50	19.6	12.8	65.2	337.50	21.5	10.0	46.5

TABLE 2. PEDESTRIAN WIND VELOCITIES AND TURBULENCE INTENSITIES
HINES ONE MINNEAPOLIS

POSITION 5				POSITION 6			
WIND AZIMUTH	U/UINF (PERCENT)	URMS/UINF (PERCENT)	URMS/U (PERCENT)	WIND AZIMUTH	U/UINF (PERCENT)	URMS/UINF (PERCENT)	URMS/U (PERCENT)
0.00	58.7	16.2	27.6	0.00	13.6	5.9	43.6
22.50	47.4	17.7	37.3	22.50	12.4	5.1	41.3
45.00	40.7	13.0	31.8	45.00	12.4	4.8	38.7
67.50	31.8	10.1	31.9	67.50	13.4	5.1	38.6
90.00	24.3	8.7	35.9	90.00	10.3	4.6	45.1
112.50	31.1	15.4	49.3	112.50	17.9	7.7	43.1
135.00	38.6	10.7	27.6	135.00	21.4	8.6	39.9
157.50	33.8	13.3	39.4	157.50	27.3	12.0	44.1
180.00	37.1	13.4	36.2	180.00	28.7	12.8	44.5
202.50	38.0	13.5	35.4	202.50	24.4	12.9	52.8
225.00	43.3	14.2	32.9	225.00	18.8	11.0	58.5
247.50	25.5	12.6	49.4	247.50	5.7	2.3	40.5
270.00	12.7	6.4	50.3	270.00	11.8	4.9	41.5
292.50	20.6	12.0	58.2	292.50	14.9	5.9	39.4
315.00	36.0	18.0	50.0	315.00	16.5	8.1	48.9
337.50	50.5	15.2	30.2	337.50	10.4	5.1	49.0

POSITION 7				POSITION 8			
WIND AZIMUTH	U/UINF (PERCENT)	URMS/UINF (PERCENT)	URMS/U (PERCENT)	WIND AZIMUTH	U/UINF (PERCENT)	URMS/UINF (PERCENT)	URMS/U (PERCENT)
0.00	75.8	10.0	13.3	0.00	61.2	10.2	16.7
22.50	62.1	9.3	15.0	22.50	49.7	8.5	17.1
45.00	49.3	8.2	16.6	45.00	35.9	8.4	23.5
67.50	36.7	7.1	19.4	67.50	22.9	7.2	31.4
90.00	22.5	8.1	36.1	90.00	19.5	9.5	49.0
112.50	18.9	9.3	49.0	112.50	26.1	8.9	34.3
135.00	30.5	11.1	36.4	135.00	29.6	10.4	35.1
157.50	38.8	13.9	35.8	157.50	21.8	11.4	52.3
180.00	45.3	15.6	34.4	180.00	23.0	11.1	48.5
202.50	31.2	14.4	46.4	202.50	26.4	9.9	37.5
225.00	24.1	12.6	52.1	225.00	17.8	8.2	45.8
247.50	12.6	7.1	55.9	247.50	22.6	12.6	55.7
270.00	27.1	12.6	46.3	270.00	29.3	13.6	46.4
292.50	37.5	11.9	31.7	292.50	36.9	9.9	26.9
315.00	61.3	13.6	22.2	315.00	49.9	11.1	22.2
337.50	70.9	10.6	14.9	337.50	54.6	10.1	18.5

TABLE 2. PEDESTRIAN WIND VELOCITIES AND TURBULENCE INTENSITIES
HINES ONE MINNEAPOLIS

POSITION 9

WIND AZIMUTH	U/UINF (PERCENT)	URMS/UINF (PERCENT)	URMS/U (PERCENT)	WIND AZIMUTH	U/UINF (PERCENT)	URMS/UINF (PERCENT)	URMS/U (PERCENT)
0.00	32.8	16.8	51.1	0.00	32.4	11.9	36.7
22.50	35.8	13.2	36.9	22.50	18.5	8.0	43.3
45.00	22.2	11.8	53.4	45.00	15.6	6.3	40.1
67.50	16.2	7.8	48.2	67.50	13.8	7.3	52.8
90.00	27.7	10.7	38.7	90.00	25.9	14.4	55.6
112.50	17.7	8.2	46.2	112.50	24.3	13.6	56.1
135.00	17.9	8.6	48.1	135.00	28.0	15.2	54.3
157.50	27.3	16.4	60.1	157.50	32.0	13.7	42.7
180.00	18.9	11.6	61.4	180.00	29.7	12.7	42.7
202.50	21.2	11.6	54.8	202.50	44.5	17.5	39.3
225.00	16.1	8.0	49.6	225.00	34.5	14.2	41.1
247.50	25.3	12.8	50.6	247.50	16.8	9.7	57.8
270.00	21.5	11.0	51.3	270.00	23.7	10.1	42.5
292.50	18.9	10.2	54.1	292.50	36.5	9.1	25.0
315.00	32.4	14.9	45.8	315.00	43.3	10.1	23.3
337.50	30.1	16.6	55.1	337.50	44.1	9.8	22.2

5

POSITION 11

WIND AZIMUTH	U/UINF (PERCENT)	URMS/UINF (PERCENT)	URMS/U (PERCENT)	WIND AZIMUTH	U/UINF (PERCENT)	URMS/UINF (PERCENT)	URMS/U (PERCENT)
0.00	37.2	25.7	69.0	0.00	63.4	11.4	18.0
22.50	45.2	22.0	48.7	22.50	61.9	14.6	23.6
45.00	36.4	13.5	37.0	45.00	37.3	14.1	37.9
67.50	31.9	8.7	27.4	67.50	26.8	10.9	40.7
90.00	38.8	10.3	26.6	90.00	30.0	10.5	35.0
112.50	36.3	9.6	26.3	112.50	27.8	8.9	32.1
135.00	35.5	12.0	33.8	135.00	30.1	11.8	39.2
157.50	27.9	13.1	47.1	157.50	31.1	16.0	51.3
180.00	28.1	15.0	53.3	180.00	48.0	17.3	36.1
202.50	39.7	15.7	39.7	202.50	36.1	18.8	52.0
225.00	28.7	12.7	44.2	225.00	30.6	16.1	52.8
247.50	9.8	5.4	55.6	247.50	15.3	9.5	61.9
270.00	14.6	8.4	57.8	270.00	13.4	7.6	56.7
292.50	13.5	7.3	54.2	292.50	30.4	13.9	45.6
315.00	10.4	5.1	48.7	315.00	53.0	11.6	22.0
337.50	11.5	6.3	54.8	337.50	62.7	20.3	32.4

TABLE 2. PEDESTRIAN WIND VELOCITIES AND TURBULENCE INTENSITIES
HINES ONE MINNEAPOLIS

POSITION 13

WIND AZIMUTH	U/UINF (PERCENT)	URMS/UINF (PERCENT)	URMS/U (PERCENT)	WIND AZIMUTH	U/UINF (PERCENT)	URMS/UINF (PERCENT)	URMS/U (PERCENT)
0.00	36.3	28.8	79.3	0.00	63.7	17.8	27.9
22.50	36.7	21.5	58.5	22.50	53.7	18.9	35.1
45.00	17.1	8.4	49.2	45.00	24.3	10.7	44.0
67.50	14.8	7.0	47.4	67.50	38.8	13.8	35.7
90.00	16.8	8.1	48.0	90.00	25.3	11.6	46.0
112.50	17.1	8.0	46.7	112.50	23.6	9.5	40.4
135.00	18.8	9.2	48.8	135.00	25.2	12.1	48.0
157.50	24.0	12.1	50.4	157.50	35.9	16.4	45.5
180.00	19.3	9.5	49.0	180.00	39.3	18.6	47.3
202.50	30.2	16.3	53.8	202.50	27.0	13.4	49.5
225.00	30.3	15.9	52.4	225.00	24.3	12.5	51.4
247.50	9.3	5.0	53.7	247.50	14.7	8.4	57.0
270.00	19.1	6.9	35.9	270.00	22.5	9.8	43.6
292.50	21.9	10.8	49.2	292.50	28.7	10.5	36.7
315.00	16.0	8.7	54.2	315.00	17.6	10.5	59.4
337.50	17.0	8.7	51.4	337.50	29.5	18.7	63.6

5

POSITION 15

WIND AZIMUTH	U/UINF (PERCENT)	URMS/UINF (PERCENT)	URMS/U (PERCENT)
0.00	37.3	16.9	45.4
22.50	18.4	8.8	47.7
45.00	18.7	7.5	40.0
67.50	14.9	6.0	40.3
90.00	15.3	6.7	43.9
112.50	14.5	6.4	43.8
135.00	34.5	12.9	37.3
157.50	18.3	8.8	48.2
180.00	24.9	15.1	60.7
202.50	33.8	18.5	54.6
225.00	37.4	15.1	40.4
247.50	35.7	11.5	32.3
270.00	29.7	7.4	25.0
292.50	22.7	9.9	43.5
315.00	11.4	6.2	54.5
337.50	25.7	13.4	52.4

TABLE 3
ANNUAL PERCENTAGE FREQUENCIES OF WIND DIRECTION AND SPEED

Based on Summary of Hourly Observations
Minneapolis-St. Paul International Airport
1951-1960
Anemometer Elevation = 21 ft above ground

Annual Hourly Observations of Wind Speed - Miles Per Hour									
<u>Direction</u>	<u>0-3</u>	<u>4-7</u>	<u>8-12</u>	<u>13-18</u>	<u>19-24</u>	<u>25-31</u>	<u>32-38</u>	<u>>39</u>	<u>Total</u>
N	0.3	1.1	2.2	1.7	0.4	0.1	0.01		5.8
NNE	0.1	0.9	1.9	1.3	0.4	0.1	0.01		4.6
NE	0.3	0.7	1.4	0.9	0.2	0.05	0.01		3.6
ENE	0.2	0.7	1.2	0.8	0.3	0.1	0.01		3.3
E	0.4	1.2	1.4	1.1	0.3	0.1	0.01		4.5
ESE	0.4	1.7	2.6	1.8	0.4	0.1	0.01		6.9
SE	0.7	2.2	3.4	2.5	0.7	0.1	0.01		9.6
SSE	0.3	1.2	2.5	2.2	0.7	0.1	0.01		7.2
S	0.6	1.3	2.2	2.1	0.7	0.1	0.01	0.008	7.0
SSW	0.5	1.4	1.7	1.2	0.4	0.1	0.01	0.008	5.2
SW	1.0	2.2	2.4	1.4	0.4	0.1	0.01		7.4
WSW	0.4	1.5	2.0	0.9	0.2	0.1	0.01		5.1
W	0.4	1.2	1.8	1.4	0.5	0.2	0.01	0.008	5.6
WNW	0.3	1.1	2.2	2.6	1.3	0.3	0.01	0.008	7.8
NW	0.3	1.3	2.9	3.3	1.3	0.2	0.01		9.4
NNW	0.2	0.8	1.9	2.1	0.6	0.1	0.01		5.7
CALM	1.4								1.4
Total	7.7	20.5	33.7	27.6	8.6	1.7	0.2	0.03	100.0

TABLE 4
SUMMARY OF WIND EFFECTS ON PEOPLE

	<u>Beaufort number</u>	<u>Speed (mph)</u>	<u>Effects</u>
Calm, light air	0,1	0- 3	Calm, no noticeable wind
Light breeze	2	4- 7	Wind felt on face
Gentle breeze	3	8-12	Wind extends light flag Hair is disturbed Clothing flaps
Moderate breeze	4	13-18	Raises dust, dry soil and loose paper Hair disarranged
Fresh breeze	5	19-24	Force of wind felt on body Drifting snow becomes airborne Limit of agreeable wind on land
Strong breeze	6	25-31	Umbrellas used with difficulty Hair blown straight Difficult to walk steadily Wind noise on ears unpleasant Windborne snow above head height (blizzard)
Near gale	7	32-38	Inconvenience felt when walking
Gale	8	39-46	Generally impedes progress Great difficulty with balance in gusts
Strong gale	9	47-54	People blown over by gusts

Note: Table from Reference 4, p. 40

TABLE 5
CALCULATION OF REFERENCE PRESSURE

1. Basic wind speed from ANSI A58.1 (Ref. 5):

50-yr fastest mile at 30 ft = 76 mph.

$$\text{Mean hourly wind speed} = \frac{76}{1.27} = 59.8 \text{ mph.}$$

$$\text{Mean hourly gradient wind speed} = 59.8 \left(\frac{1000}{30}\right)^{0.17} = 108.8 \text{ mph.}$$

Mean hourly wind at reference location = U_{∞} = gradient wind = 108.8 mph.

$$\text{Reference pressure} = 0.5\rho U_{\infty}^2 = 0.00256(108.8)^2 = \underline{\underline{30 \text{ psf}}}.$$

2. Conversion of cladding peak pressures to 1 minute equivalent load for glass: multiply by glass load factor = 0.73 (Ref. 8).
3. Loads for 100-yr recurrence wind:

100-yr fastest mile at 30 ft = 90 mph.

$$\text{Multiply 50-yr loads by } \left(\frac{90}{76}\right)^2 = 1.40.$$

TABLE 6 -- PEAK LOADS-- CONFIGURATION A -- HINES ONE BUILDING -- MINNEAPOLIS , MINNESOTA
 LARGEST VALUE OF ABS(CPMAX) OR ABS(CPMIN) AND PSF LOAD FOR REFERENCE PRESSURE = 30 PSF, GLASS LOAD FACTOR = 0.73

TAP	AZI-MUTH	PRESS COEFF	PSF LOAD	TAP	AZI-MUTH	PRESS COEFF	PSF LOAD	TAP	AZI-MUTH	PRESS COEFF	PSF LOAD	TAP	AZI-MUTH	PRESS COEFF	PSF LOAD
101	210	1.32	29.0	151	120	.73	16.0	201	15	1.79	39.3	252	180	.52	11.3
102	60	1.22	27.0	152	210	3.05	67.1	202	240	2.49	54.7	253	150	1.21	26.6
103	165	1.39	30.6	153	135	2.06	45.3	203	225	1.86	41.0	254	0	1.11	24.5
104	225	1.41	31.1	154	120	1.08	23.8	204	240	1.77	39.0	255	30	.87	19.2
105	45	1.64	36.0	155	120	.68	14.9	205	225	1.80	39.6	256	0	.00	1.0
106	0	1.32	29.0	156	345	.84	18.5	206	225	1.63	35.0	257	315	1.17	25.7
107	225	1.41	30.9	157	60	1.83	40.3	207	195	2.16	47.5	258	0	1.29	28.3
108	150	2.00	44.0	158	755	1.45	32.0	208	180	1.68	37.0	259	0	1.91	20.1
109	150	1.84	40.5	159	240	1.35	29.7	209	210	1.96	43.1	260	195	.99	27.8
110	150	1.82	40.1	160	240	1.41	31.0	210	225	1.93	42.4	261	315	.78	21.9
111	135	1.95	42.9	161	270	1.38	34.8	211	180	1.73	38.0	263	15	.88	17.3
112	165	1.58	34.7	162	755	1.73	38.0	212	163	1.96	43.1	264	0	.88	19.3
113	165	1.47	32.4	163	240	1.61	35.4	213	240	1.97	43.2	265	0	.94	20.7
114	300	1.57	34.3	164	600	1.73	38.1	214	225	2.32	51.1	301	60	1.36	29.9
115	105	1.52	33.4	165	755	1.43	31.4	215	45	1.66	36.6	302	60	1.26	27.7
116	300	1.14	25.1	166	755	1.30	28.5	216	30	1.43	31.4	303	75	1.63	35.8
117	135	1.77	38.9	167	225	1.21	26.6	217	240	2.07	45.5	304	180	1.26	27.7
118	105	1.74	38.2	168	255	1.73	38.2	218	150	1.89	41.6	305	30	1.35	29.7
119	135	1.64	36.0	169	755	1.83	40.2	219	30	1.43	31.6	306	0	1.20	26.5
120	300	1.28	28.2	170	135	1.48	32.6	220	210	1.80	17.6	307	300	1.42	31.2
121	300	1.39	30.7	171	755	1.37	30.1	221	150	1.17	25.7	308	0	1.21	26.6
122	135	2.14	47.1	172	225	1.48	32.6	222	150	1.40	30.8	309	330	1.31	28.9
123	120	1.32	40.9	173	210	1.43	31.4	223	0	1.08	23.8	310	105	1.14	25.2
124	120	1.32	29.1	174	165	1.25	27.6	224	165	1.64	14.1	311	45	1.61	35.3
125	300	1.42	31.2	175	180	1.22	26.9	225	0	1.14	25.1	312	45	1.38	30.4
126	300	1.68	41.4	176	195	1.59	35.0	226	90	.58	12.7	313	315	1.33	29.3
127	300	1.61	35.5	177	180	1.87	41.2	228	180	.53	11.7	314	345	1.47	32.4
128	285	1.55	34.2	178	150	1.84	40.5	229	180	.54	12.0	315	345	1.09	24.1
129	300	1.55	34.1	179	105	1.96	21.1	230	300	.90	19.9	316	345	1.25	27.5
130	300	1.57	34.6	180	105	1.09	24.0	231	0	.00	.00	317	315	.92	20.3
131	300	1.40	30.9	181	180	1.27	27.9	232	210	.94	20.6	318	0	1.09	24.0
132	300	1.51	33.2	182	180	1.53	33.3	233	75	.75	16.5	319	105	1.07	23.5
133	300	1.46	32.1	183	195	1.46	32.1	234	300	1.40	30.6	320	345	1.08	23.8
134	300	1.40	30.7	184	90	1.02	22.4	235	180	1.97	21.4	321	345	1.49	32.8
135	135	2.30	30.6	185	90	1.94	20.6	236	300	1.07	23.3	322	30	1.33	29.2
136	120	1.93	42.4	186	90	.77	17.0	237	0	.00	.00	323	15	1.24	27.4
137	165	1.34	29.4	187	90	.77	16.9	238	15	.83	18.4	324	345	1.24	27.4
138	300	1.58	34.7	188	270	1.11	24.5	239	30	1.03	22.6	325	60	1.19	26.1
139	300	1.56	34.4	189	165	.87	19.2	240	300	1.25	27.5	326	345	1.48	32.6
140	135	2.08	45.8	190	165	.86	18.9	241	0	.00	.00	327	15	.55	34.1
141	195	2.32	50.9	191	210	.88	19.4	242	0	1.13	25.2	328	15	1.27	28.0
142	135	1.16	25.6	192	165	.85	18.8	243	0	.84	18.4	329	0	.58	34.7
143	300	1.21	26.5	193	180	.79	17.4	244	15	1.00	22.0	330	315	1.09	24.1
144	285	1.36	29.8	194	180	.73	16.1	245	0	.91	20.0	331	345	1.08	23.8
145	165	2.29	30.4	195	30	.97	21.4	246	210	1.33	33.7	332	75	1.07	23.6
146	195	1.78	39.1	196	195	1.84	40.4	247	150	1.29	28.3	333	15	.55	334.2
147	120	1.12	24.7	197	30	1.67	36.8	248	150	1.09	24.0	334	150	1.38	30.4
148	120	.80	17.6	198	240	1.73	38.0	249	165	1.05	23.0	335	45	1.34	29.4
149	330	.87	19.2	199	240	1.91	41.9	250	165	.99	21.8	336	45	1.44	31.6
150	210	2.47	34.3	200	240	2.34	55.8	251	165	1.06	23.2	337	90	1.37	30.1

TABLE 6 -- PEAK LOADS-- CONFIGURATION A -- HINES ONE BUILDING -- MINNEAPOLIS , MINNESOTA
LARGEST VALUE OF ABS(CPMAX) OR ABS(CPMIN) AND PSF LOAD FOR REFERENCE PRESSURE = 30 PSF, GLASS LOAD FACTOR = 0.73

TAP	AZI-MUTH	PRESS COEFF	PSF LOAD	TAP	AZI-MUTH	PRESS COEFF	PSF LOAD	TAP	AZI-MUTH	PRESS COEFF	PSF LOAD	TAP	AZI-MUTH	PRESS COEFF	PSF LOAD
338	75	2.30	30.3	389	0	1.48	32.7	524	120	1.19	26.1	574	15	.82	18.0
239	150	1.45	31.9	390	0	1.09	24.0	525	120	1.53	33.7	575	15	.92	20.2
340	75	2.05	45.1	392	0	1.86	18.8	526	120	1.36	30.0	576	15	1.17	25.7
341	150	1.55	34.0	393	0	1.70	32.4	527	120	1.74	38.3	577	15	.88	19.5
342	15	1.14	25.0	394	0	1.96	21.2	528	120	1.53	33.7	578	210	.91	20.0
343	15	1.33	29.2	395	0	1.68	37.0	529	120	1.44	31.7	579	210	.87	19.2
344	75	1.64	36.0	396	135	1.07	23.5	530	60	1.30	28.5	580	195	.95	20.0
345	75	2.24	49.2	397	135	1.09	24.0	531	120	1.13	33.1	581	0	.93	21.0
346	15	1.22	26.8	398	345	1.90	19.8	532	120	1.51	30.9	582	195	1.86	41.0
347	15	1.11	24.4	399	0	1.12	24.7	533	120	1.33	29.2	583	30	1.40	35.9
348	15	1.36	29.8	400	0	1.19	26.2	534	120	1.94	20.6	584	45	1.62	41.9
349	75	1.58	34.9	401	0	1.52	33.5	535	300	0	1.61	585	45	1.91	41.9
350	90	2.17	47.2	402	330	2.91	20.0	536	0	1.73	22.8	586	2	.77	60.9
351	0	1.29	28.5	403	0	2.28	50.2	537	90	1.04	33.0	587	195	2.05	45.2
352	60	1.93	42.4	404	0	1.24	27.3	538	105	1.59	35.7	588	45	1.94	42.6
353	330	1.07	23.6	405	0	1.98	21.5	539	120	1.62	33.7	589	45	1.98	43.6
354	330	1.08	23.8	406	345	1.05	23.0	540	45	1.04	22.8	591	45	2.17	47.8
355	0	1.97	21.7	407	0	1.21	26.7	541	75	1.21	26.6	593	195	1.66	36.6
356	45	1.44	31.7	408	330	1.21	26.6	542	15	.77	16.8	594	180	1.71	37.6
357	75	1.97	43.4	409	0	1.15	25.4	543	30	.89	19.5	595	45	1.98	43.5
358	180	1.57	34.5	410	0	1.98	21.7	544	90	1.92	42.3	596	45	1.79	39.3
359	180	1.40	30.7	411	0	1.23	27.1	545	300	1.54	33.9	597	180	1.75	38.5
360	165	1.65	36.3	412	210	1.16	25.5	546	300	1.04	22.9	598	180	1.68	37.0
361	165	1.11	24.5	413	0	1.93	20.4	547	300	.86	18.9	599	45	2.21	48.5
362	60	1.67	36.7	414	315	1.08	23.7	548	180	.93	20.4	600	45	2.12	46.7
363	180	1.32	29.1	415	345	1.08	23.7	549	0	.75	16.6	601	195	1.59	35.1
364	30	1.63	35.9	501	225	1.49	32.8	550	255	1.74	38.3	602	15	1.38	30.4
365	240	1.23	27.0	502	240	1.22	26.9	551	235	1.28	28.2	603	30	2.09	46.0
366	180	1.15	25.4	503	240	1.45	32.0	552	60	1.27	27.9	604	45	2.12	46.7
367	60	1.37	30.7	504	135	1.34	29.4	553	75	1.49	32.8	605	15	1.39	30.7
368	60	1.71	37.1	505	45	1.54	34.0	554	45	2.10	46.1	606	15	1.31	28.8
369	2225	1.70	37.4	506	60	1.38	30.3	555	240	1.63	33.9	608	15	1.32	28.9
370	2225	6.68	37.0	507	225	1.35	29.7	556	45	2.18	48.0	609	0	1.01	22.3
371	180	1.08	23.8	508	285	1.81	39.9	557	225	1.56	34.2	610	165	1.17	25.8
372	45	1.38	30.3	509	285	1.18	25.9	558	270	1.27	28.0	611	0	.00	0.0
373	180	1.74	38.2	510	285	1.24	27.4	559	60	1.31	28.7	612	15	1.23	27.1
374	165	.89	19.5	511	300	1.34	29.5	560	75	1.60	35.2	613	15	1.36	29.9
375	1955	1.72	37.8	512	120	1.43	31.5	561	90	1.05	40.8	614	15	.96	21.1
376	1955	1.14	25.0	513	300	1.34	29.4	562	240	1.42	31.2	701	210	1.06	23.3
377	3455	1.05	23.1	514	135	1.60	35.2	563	235	1.19	26.2	702	180	.86	19.0
378	3455	1.04	23.0	515	285	1.90	41.7	564	60	1.30	33.6	703	30	.80	17.5
379	0	1.55	34.1	516	135	1.21	26.6	565	60	1.33	33.6	704	195	1.01	22.1
380	0	1.84	18.3	517	285	1.63	35.8	566	60	1.82	40.1	705	195	.89	19.5
381	210	1.01	22.1	518	285	1.46	32.2	567	210	1.58	34.7	706	195	.79	17.3
382	0	1.43	31.4	519	300	1.12	24.6	568	210	1.12	24.7	707	195	.84	18.5
383	0	1.06	23.4	520	135	1.21	26.5	569	15	.98	21.6	708	195	.87	19.1
384	180	1.01	22.2	521	135	1.47	32.3	570	15	1.14	25.0	709	195	.82	17.5
385	0	1.22	26.9	522	285	1.37	30.0	571	60	1.41	31.0	710	30	.79	17.5
386	345	1.04	22.3	523	285	1.02	22.3	572	210	1.33	29.2	711	30	.89	19.4
388	0	.83	18.3					573	210	1.26	27.8	712	30	.88	19.4

TABLE 6 -- PEAK LOADS-- CONFIGURATION A -- HINES ONE BUILDING -- MINNEAPOLIS, MINNESOTA
LARGEST VALUE OF ABS(CPMAX) OR ABS(CPMIN) AND PSF LOAD FOR REFERENCE PRESSURE = 30 PSF, GLASS LOAD FACTOR = 0.73

TAP	AZI-MUTH	PRESS COEFF	PSF LOAD	TAP	AZI-MUTH	PRESS COEFF	PSF LOAD	TAP	AZI-MUTH	PRESS COEFF	PSF LOAD	TAP	AZI-MUTH	PRESS COEFF	PSF LOAD
713	30	.79	17.4	740	345	.77	16.9	813	210	2.15	47.2	839	0	.00	0
714	15	.78	17.1	741	0	.88	19.4	814	210	2.10	46.2	840	0	.00	0
715	0	.81	17.7	742	0	1.02	22.4	815	0	1.74	38.0	841	240	.36	22
716	0	.83	18.2	743	0	.90	19.7	816	225	2.06	45.9	842	0	.01	28
717	0	.92	20.2	744	0	.90	19.7	817	0	1.32	22.4	843	30	.31	22
718	0	.88	19.4	745	0	.99	21.9	818	0	1.12	22.4	844	0	.00	28
720	0	.86	19.0	746	150	1.17	25.7	819	0	1.03	22.4	845	0	.00	27
721	15	.66	18.5	747	0	1.22	26.8	820	210	1.29	22.4	846	0	.23	29
722	0	.84	18.5	748	0	1.20	26.8	821	210	1.64	36.1	847	0	.34	49
723	0	.92	20.2	749	0	1.37	37.0	822	210	1.71	37.6	848	240	.24	49
724	0	.72	15.9	750	0	.93	20.1	823	210	1.19	26.2	849	240	.11	24
725	30	.80	17.6	751	0	1.70	27.4	824	210	1.98	21.7	850	240	.52	53
726	210	.96	21.6	752	0	1.92	27.4	825	210	1.11	24.4	851	150	.01	22
727	0	.86	18.9	753	0	1.45	81	826	210	1.87	19.2	852	150	.19	26
728	195	1.40	22.4	754	0	.45	17.8	827	210	1.72	19.4	853	180	.12	24
729	195	1.40	22.4	755	0	.45	17.8	828	210	1.54	29.4	854	180	.35	29
730	195	1.24	22.0	756	0	.23	23.0	829	210	1.12	29.4	855	180	.00	26
731	195	1.04	21.0	757	0	.66	26.0	830	210	1.12	26.0	856	180	.00	22
732	195	1.25	22.0	758	0	.60	26.0	831	210	1.21	26.0	857	180	.00	20
733	195	1.25	22.0	759	0	.60	26.0	832	210	1.46	40.1	858	180	.00	20
734	210	.95	22.1	760	0	.70	31	833	210	1.80	40.1	859	180	.00	21
735	195	.95	22.1	761	0	.51	45.7	834	210	1.46	40.1	860	180	.00	20
736	210	.95	22.1	762	0	.51	45.7	835	210	1.46	40.1	861	180	.00	20
737	210	.91	22.0	763	0	.37	37	836	210	1.46	40.1	862	180	.00	20
738	210	.91	22.0	764	0	.20	20	837	210	1.00	9.8	863	180	.99	20
739	210	.94	20.6	765	0	.44	31	838	210	1.29	28	864	0	.00	20

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LARGEST VALUE OF ABS(CPMAX) OR ABS(CPMIN) AND PSF LOAD FOR REFERENCE PRESSURE = 30 PSF

TAP	AZI-MUTH	PRESS COEFF	PSF LOAD	TAP	AZI-MUTH	PRESS COEFF	PSF LOAD	TAP	AZI-MUTH	PRESS COEFF	PSF LOAD	TAP	AZI-MUTH	PRESS COEFF	PSF LOAD
101	210	1.32	39.6	151	120	.73	21.8	201	15	1.79	53.6	252	180	.32	15.5
102	60	1.23	36.8	152	210	3.05	91.3	202	240	2.49	74.6	253	150	1.21	36.3
103	165	1.39	41.8	153	135	2.06	61.8	203	225	1.86	55.9	254	100	1.11	33.4
104	225	1.41	42.4	154	120	1.08	32.5	204	240	1.77	53.2	255	30	1.87	26.1
105	45	1.64	49.1	155	120	.68	20.4	205	225	1.80	53.9	256	0	.00	0
106	0	1.32	39.6	156	345	.84	25.2	206	225	1.63	48.9	257	315	1.17	35.1
107	225	1.41	42.2	157	60	1.83	35.0	207	195	2.16	64.8	258	0	1.29	38.6
108	150	2.00	60.0	158	75	1.45	43.6	208	180	1.68	50.5	259	0	1.91	27.4
109	150	1.84	53.2	159	240	1.33	40.4	209	210	1.96	58.8	260	195	1.26	37.9
110	150	1.82	54.7	160	240	1.41	42.3	210	225	1.93	57.9	261	315	1.99	29.0
111	133	1.95	58.5	161	270	1.58	47.5	211	180	1.73	51.9	263	15	.78	23.5
112	165	1.58	47.3	162	75	1.73	51.8	212	165	1.96	58.8	264	0	.88	26.3
113	165	1.47	44.2	163	240	1.61	48.3	213	240	1.97	59.0	265	0	.94	28.2
114	300	1.37	47.1	164	60	1.73	51.9	214	225	2.32	69.7	301	60	1.36	40.8
115	105	1.52	43.5	165	75	1.43	42.9	215	45	1.66	49.9	302	60	1.26	37.7
116	300	1.14	34.2	166	75	1.30	38.9	216	30	1.43	42.8	303	75	1.63	48.8
117	135	1.77	53.0	167	225	1.21	36.2	217	240	2.07	62.0	304	180	1.26	37.8
118	105	1.74	52.1	168	255	1.73	52.0	218	150	1.89	56.7	305	30	1.35	40.5
119	135	1.64	49.1	169	75	1.83	54.9	219	30	1.43	43.0	306	0	1.20	36.1
120	300	1.28	38.4	170	135	1.48	44.5	220	210	1.80	24.0	307	300	1.42	42.4
121	300	1.39	41.8	171	75	1.37	41.0	221	150	1.17	33.0	308	0	1.21	36.3
122	133	2.14	64.2	172	225	1.48	44.5	222	150	1.40	42.0	309	330	1.31	39.4
123	120	1.86	55.7	173	210	1.43	42.9	223	0	1.08	32.4	310	195	1.14	34.3
124	120	1.32	39.7	174	165	1.25	37.6	224	165	1.64	19.2	311	45	1.61	48.2
125	300	1.42	42.6	175	180	1.22	36.7	225	0	1.14	34.2	312	45	1.38	41.4
126	300	1.88	56.5	176	195	1.39	47.7	226	90	1.58	17.3	313	315	1.33	39.9
127	300	1.61	48.4	177	180	1.87	56.2	228	180	.53	15.9	314	345	1.47	44.1
128	285	1.55	46.6	178	150	1.84	55.3	229	180	.54	16.3	315	345	1.09	32.8
129	300	1.55	46.6	179	105	.96	28.7	230	300	.90	27.1	316	345	1.25	37.5
130	300	1.57	47.2	180	105	1.09	32.7	231	0	0.00	0.00	317	317	1.92	27.7
131	300	1.40	42.1	181	180	1.27	38.1	232	210	.94	28.1	318	0	1.09	32.7
132	300	1.51	45.3	182	180	1.53	45.9	233	75	1.75	22.6	319	105	1.07	32.0
133	300	1.46	43.8	183	195	1.46	43.8	234	300	1.40	41.9	320	345	1.08	32.5
134	300	1.40	41.9	184	90	1.02	30.6	235	180	.97	29.2	321	345	1.49	44.6
135	135	2.30	69.0	185	90	.94	28.1	236	300	1.07	32.1	322	30	1.49	44.6
136	120	1.93	57.9	186	90	.77	23.2	237	0	0.00	0.00	323	15	1.33	39.9
137	165	1.34	40.1	187	90	.77	23.0	238	15	.83	25.0	324	345	1.24	37.3
138	300	1.58	47.3	188	270	1.11	33.4	239	30	1.03	30.8	325	60	1.19	35.6
139	300	1.56	48.9	189	165	.87	26.2	240	300	1.29	37.3	326	340	1.48	44.9
140	135	2.08	62.4	190	165	.86	25.7	241	0	0.00	0.00	327	155	1.35	46.6
141	195	2.32	69.5	191	210	.88	26.4	242	0	1.15	34.4	328	155	1.27	38.2
142	135	1.16	34.9	192	165	.85	25.6	243	15	.84	23.1	329	0	1.58	47.4
143	300	1.21	36.2	193	180	.79	23.7	244	15	1.00	30.0	330	315	1.09	32.8
144	285	1.36	40.7	194	180	.73	22.0	245	0	.91	27.3	331	345	1.08	32.4
145	165	2.29	68.7	195	30	.97	29.2	246	210	1.53	45.9	332	75	1.07	32.2
146	195	1.78	53.3	196	15	1.84	35.1	247	150	1.29	38.7	333	15	1.55	46.6
147	120	1.12	33.6	197	30	1.67	30.2	248	150	1.09	32.8	334	150	1.38	41.1
148	120	.80	24.0	198	240	1.73	51.8	249	165	1.05	31.4	335	45	1.34	40.1
149	300	.87	26.2	199	240	1.91	57.2	250	165	1.06	31.7	336	45	1.44	43.1
150	210	2.47	74.1	200	240	2.54	76.1	251	165	1.06	31.7	337	90	1.37	41.1

TABLE 6 -- PEAK LOADS-- CONFIGURATION A -- HINES ONE BUILDING -- MINNEAPOLIS , MINNESOTA
LARGEST VALUE OF ABS(CPMAX) OR ABS(CPMIN) AND PSF LOAD FOR REFERENCE PRESSURE = 30 PSF

TAP	AZI-MUTH	PRESS COEFF	PSF LOAD	TAP	AZI-MUTH	PRESS COEFF	PSF LOAD	TAP	AZI-MUTH	PRESS COEFF	PSF LOAD	TAP	AZI-MUTH	PRESS COEFF	PSF LOAD
338	75	2.30	68.9	389	0	1.48	44.5	324	120	1.19	33.6	574	15	.82	24.5
339	150	1.45	43.5	390	0	1.09	32.7	525	120	1.33	45.9	575	155	.92	27.6
340	175	2.05	61.5	391	0	.86	25.7	526	120	1.74	40.9	576	155	.88	35.1
341	150	1.55	46.4	392	0	1.70	51.0	527	120	1.53	45.3	577	155	.91	27.3
342	15	1.14	34.1	393	0	.96	28.9	528	120	1.44	43.2	578	210	.87	26.1
343	15	1.33	39.9	394	0	1.68	50.4	529	120	1.30	38.9	579	210	.87	26.1
344	75	1.64	49.1	395	0	1.07	32.1	530	60	1.33	34.0	580	195	.95	28.6
345	75	2.24	67.1	396	135	1.09	32.7	531	120	1.13	34.0	581	195	.86	28.5
346	15	1.22	36.5	397	135	.90	27.0	532	120	1.51	45.2	582	155	.42	48.1
347	15	1.11	33.2	398	345	1.09	32.6	533	120	1.41	42.2	583	155	.40	42.1
348	15	1.36	40.7	399	400	1.12	33.7	534	120	1.33	39.9	584	155	.62	48.5
349	75	1.58	47.5	401	0	1.19	45.8	535	300	1.34	28.1	585	155	.91	37.2
350	90	2.17	65.1	402	330	1.52	27.7	536	0	1.73	22.0	586	455	.77	22.0
351	0	1.29	38.0	403	330	2.28	32.3	537	105	1.04	47.7	587	195	.94	33.9
352	360	1.93	57.6	404	0	1.24	37.2	538	120	1.62	47.8	588	455	.98	35.8
353	340	1.07	32.5	405	0	1.90	29.4	539	45	1.04	31.1	589	155	.17	35.9
354	0	1.08	32.5	406	345	1.05	21.4	540	75	1.21	33.3	590	155	.66	49.9
355	0	.97	29.1	407	0	1.21	46.4	541	155	.77	26.6	591	155	.71	35.9
356	755	1.97	43.2	408	330	1.21	46.3	542	300	1.09	45.5	592	180	.79	35.9
357	1000	1.97	59.2	409	0	1.15	49.6	543	90	1.92	44.6	593	180	.75	35.9
358	1000	1.50	47.0	410	0	1.98	49.6	544	300	1.54	44.6	594	180	.68	35.9
359	1000	1.40	41.9	411	0	1.23	47.7	545	300	1.04	43.6	595	180	.21	35.9
360	1655	1.65	49.5	412	210	1.16	47.7	546	300	1.04	43.6	596	180	.21	35.9
361	1653	1.11	33.4	413	210	1.93	47.7	547	300	1.04	43.6	597	180	.21	35.9
362	1600	1.67	50.0	414	210	1.93	47.7	548	180	1.93	45.5	600	195	.12	47.6
363	1800	1.32	39.7	415	315	1.08	44.0	549	255	1.75	30.5	601	195	.39	41.1
364	330	1.63	49.0	416	225	1.49	44.0	550	255	1.28	30.5	602	300	.09	62.7
365	240	1.23	36.8	417	0	1.08	44.0	551	60	1.27	30.5	603	300	.12	63.7
366	1800	1.15	34.6	418	0	2.23	47.7	552	75	1.49	44.7	604	455	.39	41.1
367	600	1.37	41.1	419	0	1.65	47.7	553	45	1.63	49.0	605	155	.31	39.9
368	600	1.71	51.4	420	135	1.34	46.6	554	240	1.10	49.0	606	155	.32	39.9
369	2225	1.70	50.9	421	455	1.34	46.6	555	45	1.63	46.7	607	155	.32	39.9
370	2225	1.68	50.0	422	135	1.34	46.6	556	240	1.10	49.0	608	155	.32	39.9
371	1800	1.08	32.5	423	0	1.30	47.7	557	225	1.56	39.2	609	155	.01	35.2
372	45	1.38	41.4	424	0	1.81	54.4	558	270	1.27	38.2	610	165	.00	37.0
373	1800	1.74	52.2	425	285	1.18	53.3	559	60	1.31	38.2	611	155	.23	37.0
374	1665	.89	26.6	426	10	1.24	53.3	560	75	1.60	48.0	612	155	.36	40.7
375	1995	1.72	51.6	427	11	1.34	40.2	561	90	1.85	55.6	613	155	.96	28.8
376	1995	1.14	34.1	428	120	1.43	43.0	562	240	1.42	42.6	614	210	.06	31.1
377	3455	1.05	31.5	429	130	1.34	40.1	563	60	1.19	33.7	615	180	.86	25.9
378	345	1.04	31.3	430	14	1.60	47.9	564	60	1.33	45.9	616	195	.01	30.6
379	0	1.53	46.5	431	14	1.90	56.9	565	60	1.82	54.7	617	155	.89	26.6
380	0	1.84	25.2	432	14	1.21	56.9	566	60	1.30	45.9	618	195	.89	26.6
381	210	1.01	30.2	433	17	1.21	56.9	567	210	1.58	47.3	619	195	.79	23.7
382	0	1.43	42.9	434	18	1.63	48.8	568	210	1.12	33.7	620	195	.84	25.3
383	0	1.06	31.9	435	19	1.12	43.6	569	15	.98	29.4	621	195	.87	26.6
384	180	1.01	30.3	436	20	1.21	44.1	570	60	1.14	34.1	622	195	.82	24.7
385	345	1.04	31.1	437	23	1.02	30.7	571	15	1.33	39.8	623	30	.89	26.6
386	0	.83	25.0	438	285	1.02	30.7	572	210	1.26	37.9	624	30	.88	26.4

TABLE 6 -- PEAK LOADS-- CONFIGURATION A -- HINES ONE BUILDING -- MINNEAPOLIS , MINNESOTA
LARGEST VALUE OF ABS(CPMAX) OR ABS(CPMIN) AND PSF LOAD FOR REFERENCE PRESSURE = 30 PSF

TAP	AZI-MUTH	PRESS COEFF	PSF LOAD	TAP	AZI-MUTH	PRESS COEFF	PSF LOAD	TAP	AZI-MUTH	PRESS COEFF	PSF LOAD	TAP	AZI-MUTH	PRESS COEFF	PSF LOAD
713	30	.79	23.7	740	345	.77	23.1	813	210	2.15	64.4	839	0	.00	.0
714	15	.78	23.3	741	0	.88	26.4	814	210	2.10	63.1	840	0	.00	.0
715	0	.81	24.2	742	0	1.02	30.6	815	0	1.74	52.2	841	240	1.36	10.8
716	0	.83	24.8	743	0	.90	26.9	816	225	2.06	61.8	842	0	1.01	30.2
717	0	.92	27.6	744	0	.90	26.9	817	0	1.32	39.6	843	30	1.31	39.2
718	0	.88	26.4	745	0	.99	29.8	818	0	1.12	33.5	844	0	.00	.0
720	0	.86	25.8	746	15	1.17	35.1	819	0	1.03	31.0	845	0	1.20	35.9
721	15	.86	25.7	747	0	1.22	36.6	820	210	1.29	38.7	846	0	1.23	37.0
722	0	.84	25.2	748	0	1.20	35.9	821	210	1.64	49.2	847	0	1.34	40.2
723	0	.92	27.7	749	0	1.37	41.1	822	0	1.71	51.3	848	240	2.24	67.2
724	0	.72	21.7	750	0	.93	28.0	823	0	1.19	35.0	849	0	1.11	33.3
725	30	.80	24.0	751	15	1.70	51.0	824	0	.98	29.3	850	240	1.52	45.7
726	210	.98	29.5	752	210	.92	27.6	825	210	1.11	33.3	851	15	1.01	30.4
727	0	.86	25.8	753	345	.81	24.4	826	210	.87	22.2	852	15	1.19	35.6
728	195	1.48	44.4	754	0	.90	27.0	827	210	1.72	51.7	853	180	1.12	33.6
728	195	1.48	44.4	801	0	1.45	43.6	828	30	1.34	40.1	854	30	1.35	40.5
729	165	1.29	38.6	802	315	1.23	37.0	829	90	1.12	33.3	855	195	1.33	40.0
730	195	1.04	31.3	803	300	1.68	50.4	830	315	1.16	34.7	856	0	1.03	30.9
731	195	1.29	38.7	804	60	1.36	40.8	831	240	1.21	36.4	857	180	1.11	33.4
732	195	1.35	40.6	805	300	1.46	43.7	832	210	1.85	53.6	858	0	1.18	35.5
733	195	.92	27.6	806	15	1.48	44.5	833	315	1.46	43.8	859	0	.91	27.2
734	210	.99	29.6	807	75	1.51	45.4	834	90	1.80	54.0	860	0	1.16	34.8
735	195	.93	27.8	808	0	1.45	43.4	835	30	1.14	34.3	861	0	.85	25.5
736	210	.96	28.9	809	0	1.37	41.2	836	15	.98	29.3	862	0	.80	23.9
737	210	.91	27.3	810	345	1.20	36.1	837	0	.00	0.0	863	0	.90	27.1
738	210	.90	27.1	811	15	1.31	39.3	838	0	1.29	38.7	864	0	.99	29.7
739	0	.94	28.1	812	210	1.44	43.3								

APPENDIX A
PRESSURE DATA

Note: Pressure coefficients are defined in Section 4.3.
Pressure tap designation is explained in Figure 3.

APPENDIX A -- PRESSURE DATA:

HINES ONE BUILDING -- MINNEAPOLIS , MINNESOTA

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	
0	101	- .710	.095	- .457	- 1.072	0	151	- .112	.114	- .177	- .553	0	201	- .791	.220	- .026	- 1.528	
0	102	- .741	.098	- .442	- 1.094	0	152	- .374	.061	- .153	- .642	0	202	- .406	.043	- .261	- 1.595	
0	103	- .684	.088	- .421	- 1.038	0	153	- .088	.082	- .164	- .313	0	203	- .763	.257	- .216	- 1.442	
0	104	- .794	.128	- .477	- 1.376	0	154	- .070	.103	- .476	- .237	0	204	- .425	.292	- .206	- 1.435	
0	105	- .803	.127	- .441	- 1.434	0	155	- .075	.084	- .468	- .200	0	205	- .314	.064	- .047	- .623	
0	106	- .713	.109	- .356	- 1.320	0	156	- .009	.110	- .431	- .358	0	206	- .414	.045	- .261	- 1.553	
0	107	- .645	.106	- .292	- 1.027	0	157	- .044	.132	- .476	- .544	0	207	- .736	.249	- .054	- 1.682	
0	108	- .381	.059	- .144	- 6.09	0	158	- .032	.117	- .398	- .421	0	208	- .470	.310	- .152	- 1.330	
0	109	- .230	.065	.055	- 7.21	0	159	- .054	.114	- .383	- .443	0	209	- .313	.070	- .047	- .805	
0	110	- .201	.091	.070	- 7.11	0	160	- .083	.125	- .397	- .471	0	210	- .421	.046	- .257	- .579	
0	111	- .188	.097	.115	- 7.25	0	161	- .203	.124	- .219	- .578	0	211	- .683	.247	- .195	- 1.358	
0	112	- .146	.098	.183	- 6.23	0	162	- .333	.204	- .829	- .371	0	212	- .456	.270	- .138	- 1.281	
0	113	- .095	.108	.266	- 5.05	0	163	- .084	.160	- .441	- .571	0	213	- .345	.063	- .076	- .720	
0	114	- .003	.144	.508	- 5.69	0	164	.400	.262	.952	- .402	0	214	- .430	.044	- .271	- 1.553	
0	115	- .309	.063	- .041	- 5.48	0	165	.396	.181	.882	- .043	0	215	- .698	.209	- .080	- 1.489	
0	116	- .292	.148	.605	- 3.15	0	166	.339	.173	.907	- .081	0	216	- .375	.188	- .054	- 1.218	
0	117	- .339	.059	.078	- 5.65	0	167	.239	.160	.918	- .169	0	217	- .359	.043	- .173	- .504	
0	118	- .034	.123	.433	- 2.89	0	168	-	.115	.166	.510	- .611	0	218	- .462	.041	- .318	- .598
0	119	- .257	.162	.730	- 1.89	0	169	.377	.192	.941	- .271	0	219	- .595	.174	- .049	- 1.322	
0	120	- .365	.183	.927	- 1.26	0	170	.351	.163	.870	- .025	0	220	- .251	.072	- .007	- .605	
0	121	- .394	.197	.962	- 2.80	0	171	.289	.144	.696	- .041	0	221	- .340	.037	- .159	- .462	
0	122	- .334	.062	.093	- 5.48	0	172	.185	.140	.718	- .145	0	222	- .392	.034	- .238	- .504	
0	123	.023	.112	.414	- 2.92	0	173	-	.117	.169	.454	- .555	0	223	- .496	.140	- .028	- 1.080
0	124	- .261	.143	.698	- 1.16	0	174	.266	.153	.769	- .228	0	224	- .258	.034	- .138	- .388	
0	125	- .350	.162	.900	- 1.51	0	175	.251	.127	.671	- .018	0	225	- .415	.133	- .123	- 1.39	
0	126	- .354	.195	.882	- 4.69	0	176	.189	.169	.583	- .110	0	226	- .152	.058	- .118	- .365	
0	127	- .355	.172	.909	- 2.90	0	177	-	.109	.093	.469	- .133	0	227	- .233	.042	- .012	- .365
0	128	- .326	.160	.856	- 0.89	0	178	-	.162	.142	.479	- .486	0	228	- .232	.038	- .054	- .353
0	129	- .368	.167	.835	- 1.45	0	179	.172	.138	.587	- .242	0	229	- .232	.060	- .302	- .817	
0	130	- .376	.174	.853	- 2.48	0	180	.155	.105	.609	- .083	0	231	- .000	.000	- .000	- .000	
0	131	.341	.181	.824	- 2.88	0	181	.135	.089	.618	- .059	0	232	- .529	.048	- .406	- .727	
0	132	- .336	.166	.765	- 1.26	0	182	- .071	.076	.474	- .138	0	233	- .437	.094	- .065	- .686	
0	133	- .346	.186	.991	- 3.49	0	183	-	.155	.097	.340	- .500	0	234	- .568	.049	- .409	- .793
0	134	- .330	.208	.121	- 4.66	0	184	.067	.081	.409	- .220	0	235	- .573	.047	- .441	- .749	
0	135	- .424	.061	.039	- 6.61	0	185	.205	.105	.704	- .054	0	236	- .577	.064	- .435	- .848	
0	136	- .115	.092	.231	- 4.06	0	186	.191	.100	.725	- .076	0	237	- .000	.000	- .000	- .000	
0	137	- .106	.129	.500	- 2.34	0	187	.107	.076	.476	- .109	0	238	- .575	.053	- .433	- .793	
0	138	- .227	.155	.724	- 2.66	0	188	-	.189	.079	.442	- .473	0	239	- .541	.063	- .148	- .788
0	139	- .245	.190	.799	- 5.73	0	189	.065	.076	.388	- .133	0	240	- .554	.059	- .382	- .864	
0	140	- .517	.045	- .386	- 6.92	0	190	-	.124	.050	.076	- .329	0	241	- .000	.000	- .000	- .000
0	141	- .330	.045	- 1.12	- 5.05	0	191	.115	.089	.468	- .111	0	242	- .557	.070	- .362	- 1.145	
0	142	- .117	.062	.113	- 3.07	0	192	.236	.091	.711	- .002	0	243	- .560	.054	- .395	- .814	
0	143	.047	.094	.412	- 2.72	0	193	.247	.088	.630	- .016	0	244	- .526	.063	- .157	- .995	
0	144	- .109	.136	.541	- 3.83	0	194	.176	.075	.514	- .040	0	245	- .580	.065	- .416	- .909	
0	145	- .512	.057	- .372	- 7.11	0	195	- .578	.074	.395	- .956	0	246	- .359	.036	- .219	- .533	
0	146	- .333	.049	- 1.87	- 5.48	0	196	- .828	.197	.117	- 1.736	0	247	- .522	.049	- .393	- .759	
0	147	- .182	.048	.028	- 3.73	0	197	- .462	.125	.135	- 1.078	0	248	- .434	.037	- .333	- .555	
0	148	- .088	.050	.121	- 2.44	0	198	- .432	.076	.172	- .871	0	249	- .548	.052	- .337	- .806	
0	149	- .109	.094	.135	- 6.24	0	199	- .460	.066	.195	- .718	0	250	- .459	.039	- .326	- .613	
0	150	- .425	.051	- 2.75	- 6.09	0	200	- .451	.054	.250	- .657	0	251	- .492	.047	- .322	- .664	

APPENDIX A -- PRESSURE DATA:

HINES ONE BUILDING -- MINNEAPOLIS, MINNESOTA

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN																																																																																																																																																																																																																																																																																				
252	- .352	.036	- .203	- .464		253	- .480	.052	- .265	- .695		254	- .589	.066	- .443	- 1.114		255	- .563	.052	- .439	- .809		256	- .000	.000	- .000	- .000		257	- .573	.062	- .421	- 1.080		258	- .554	.067	- .392	- 1.287		259	- .543	.056	- .366	- .914		260	- .559	.055	- .389	- .785		261	- .547	.058	- .404	- .938		262	- .488	.060	- .218	- .698		263	- .513	.060	- .263	- .877		264	- .552	.067	- .330	- .940		265	- .670	.068	- .423	- .924		266	- .714	.100	- .371	- 1.162		267	- .741	.100	- .450	- 2.220		268	- .702	.100	- .309	- 1.187		269	- .657	.089	- .309	- 1.205		270	- .680	.101	- .379	- 1.211		271	- .593	.123	- .256	- 1.211		272	- .555	.097	- .248	- 1.922		273	- .576	.080	- .297	- 1.969		274	- .580	.074	- .297	- 1.994		275	- .612	.078	- .349	- 1.974		276	- .615	.085	- .349	- 1.963		277	- .635	.096	- .307	- 1.964		278	- .559	.110	- .235	- 1.984		279	- .590	.099	- .192	- 1.089		280	- .346	.075	- .218	- 1.089		281	- .516	.095	- .218	- 1.089		282	- .499	.078	- .226	- 1.940		283	- .515	.070	- .273	- 1.154		284	- .538	.103	- .256	- 1.154		285	- .549	.143	- .169	- 1.402		286	- .538	.140	- .189	- 1.270		287	- .520	.118	- .254	- 1.067		288	- .461	.083	- .213	- 1.040		289	- .484	.101	- .192	- 1.279		290	- .498	.152	- .137	- 1.413		291	- .370	.084	- .124	- 1.768		292	- .475	.186	- .088	- 1.578		293	- .428	.110	- .182	- 1.902		294	- .387	.099	- .142	- 1.079		295	- .349	.083	- .080	- .710		296	- .348	.083	- .058	- .857		297	- .619	.099	.308	- 1.105		298	- .640	.100	- .332	- 1.117		299	- .639	.098	- .168	- 1.137		300	- .664	.097	- .298	- 1.039	

APPENDIX A -- PRESSURE DATA: HINES ONE BUILDING -- MINNEAPOLIS, MINNESOTA

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
0	524	- .525	.043	- .350	- .679	0	574	- .585	.061	- .402	- .792	0	713	- .554	.055	- .306	- .786
0	525	- .520	.046	- .359	- .674	0	575	- .612	.063	- .420	- .875	0	714	- .549	.055	- .271	- .764
0	526	- .546	.053	- .331	- .730	0	576	- .655	.064	- .490	- .901	0	715	- .564	.055	- .412	- .805
0	527	- .529	.048	- .295	- .681	0	577	- .537	.049	- .308	- .786	0	716	- .562	.056	- .424	- .826
0	528	- .538	.044	- .394	- .667	0	578	- .568	.059	- .313	- .779	0	717	- .558	.058	- .386	- .881
0	529	- .521	.050	- .292	- .724	0	579	- .603	.063	- .322	- .822	0	718	- .558	.065	- .393	- .861
0	530	- .523	.049	- .326	- .710	0	580	- .660	.079	- .390	- .860	0	719	- .572	.060	- .327	- .809
0	531	- .474	.047	- .309	- .637	0	581	- .629	.073	- .392	- .954	0	720	- .529	.059	- .388	- .841
0	532	- .543	.048	- .313	- .756	0	582	- .604	.064	- .389	- .829	0	721	- .539	.070	- .391	- .924
0	533	- .527	.050	- .315	- .708	0	583	- .584	.064	- .433	- .887	0	722	- .561	.062	- .376	- .920
0	534	- .542	.055	- .356	- .730	0	584	- .646	.064	- .433	- .857	0	723	- .539	.077	- .392	- .723
0	535	- .504	.050	- .351	- .699	0	585	- .620	.057	- .438	- .823	0	724	- .554	.052	- .414	- .755
0	536	- .532	.048	- .399	- .733	0	586	- .637	.058	- .445	- .897	0	725	- .546	.052	- .416	- .776
0	537	- .522	.047	- .370	- .687	0	587	- .629	.047	- .495	- .821	0	726	- .549	.056	- .407	- .860
0	538	- .529	.045	- .404	- .685	0	588	- .634	.046	- .498	- .789	0	727	- .662	.055	- .499	- .895
0	539	- .553	.051	- .411	- .729	0	589	- .634	.046	- .489	- .786	0	728	- .662	.055	- .499	- .895
0	540	- .542	.054	- .350	- .716	0	590	- .622	.058	- .461	- .855	0	729	- .555	.051	- .387	- .729
0	541	- .530	.045	- .402	- .706	0	591	- .622	.055	- .459	- .849	0	730	- .558	.055	- .386	- .735
0	542	- .537	.045	- .409	- .705	0	592	- .625	.055	- .445	- .834	0	731	- .558	.052	- .403	- .729
0	543	- .541	.046	- .406	- .706	0	593	- .607	.054	- .445	- .814	0	732	- .529	.049	- .378	- .698
0	544	- .576	.052	- .427	- .824	0	594	- .592	.053	- .436	- .814	0	733	- .550	.063	- .316	- .866
0	545	- .517	.054	- .324	- .727	0	595	- .660	.061	- .481	- .879	0	734	- .594	.061	- .372	- .844
0	546	- .534	.050	- .397	- .755	0	596	- .660	.060	- .488	- .878	0	735	- .589	.060	- .354	- .878
0	547	- .549	.047	- .425	- .762	0	597	- .645	.058	- .474	- .839	0	736	- .585	.063	- .387	- .905
0	548	- .530	.045	- .392	- .733	0	598	- .631	.057	- .470	- .824	0	737	- .595	.064	- .417	- .868
0	491	.053	- .349	- .754	0	599	- .674	.074	- .490	- .814	0	738	- .590	.064	- .414	- .846	
0	550	- .666	.104	- .377	- .139	0	600	- .667	.068	- .503	- .919	0	739	- .625	.069	- .438	- .938
0	551	- .640	.085	- .318	- .032	0	601	- .657	.064	- .452	- .861	0	740	- .518	.035	- .418	- .619
0	552	- .663	.078	- .408	- .059	0	602	- .647	.063	- .468	- .843	0	741	- .607	.069	- .344	- .880
0	553	- .614	.078	- .331	- .090	0	603	- .732	.098	- .452	- .195	0	742	- .640	.074	- .402	- .019
0	554	- .624	.070	- .358	- .913	0	604	- .710	.081	- .481	- .042	0	743	- .636	.068	- .373	- .896
0	555	- .653	.099	- .426	- .112	0	605	- .655	.069	- .446	- .921	0	744	- .638	.070	- .348	- .895
0	556	- .630	.054	- .455	- .831	0	606	- .621	.082	- .391	- .012	0	745	- .651	.078	- .385	- .994
0	557	- .634	.072	- .400	- .901	0	607	- .647	.081	- .431	- .989	0	746	- .399	.112	- .143	- .978
0	558	- .599	.050	- .404	- .838	0	608	- .611	.000	- .000	- .000	0	747	- .684	.087	- .396	- .220
0	559	- .604	.047	- .383	- .766	0	609	- .655	.069	- .446	- .921	0	748	- .669	.087	- .415	- .197
0	560	- .626	.046	- .441	- .789	0	610	- .647	.081	- .431	- .989	0	749	- .690	.106	- .451	- .370
0	561	- .603	.046	- .469	- .775	0	611	- .600	.000	- .000	- .000	0	750	- .484	.141	- .261	- .934
0	562	- .597	.071	- .390	- .913	0	612	- .650	.081	- .438	- .955	0	751	- .724	.105	- .310	- .325
0	563	- .581	.048	- .406	- .766	0	613	- .659	.086	- .454	- .014	0	752	- .515	.074	- .172	- .726
0	564	- .608	.045	- .481	- .744	0	614	- .540	.051	- .367	- .748	0	753	- .496	.090	- .115	- .772
0	565	- .586	.045	- .464	- .745	0	615	- .564	.049	- .438	- .743	0	754	- .547	.125	- .009	- .901
0	566	- .599	.046	- .452	- .778	0	616	- .536	.048	- .412	- .704	0	801	- .708	.143	- .252	- .454
0	567	- .565	.049	- .404	- .769	0	617	- .543	.047	- .395	- .745	0	802	- .705	.110	- .402	- .188
0	568	- .596	.046	- .453	- .758	0	618	- .554	.047	- .410	- .758	0	803	- .676	.117	- .332	- .314
0	569	- .600	.055	- .423	- .816	0	619	- .551	.047	- .407	- .751	0	804	- .716	.099	- .420	- .303
0	570	- .615	.055	- .452	- .817	0	620	- .552	.052	- .424	- .736	0	805	- .659	.069	- .452	- .027
0	571	- .635	.055	- .466	- .829	0	621	- .552	.051	- .421	- .731	0	806	- .740	.113	- .255	- .305
0	572	- .588	.055	- .413	- .859	0	622	- .564	.054	- .424	- .763	0	807	- .734	.103	- .378	- .209
0	573	- .560	.059	- .359	- .750	0	623	- .550	.053	- .426	- .784	0	808	- .796	.148	- .220	- .446

APPENDIX A -- PRESSURE DATA:

HINES ONE BUILDING -- MINNEAPOLIS, MINNESOTA

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
009	-784	.096	-.331	-1.373	0	859	-.508	.073	-.215	-.907	15	145	-.426	.073	-.185	-.808	
010	-765	.082	-.491	-1.116	0	860	-.511	.132	-.062	-1.160	15	146	-.278	.051	-.117	-.483	
011	-747	.077	-.536	-1.153	0	861	-.535	.089	-.085	-.851	15	147	-.157	.051	-.100	-.341	
012	-727	.073	-.518	-1.162	0	862	-.542	.078	-.171	-.798	15	148	-.078	.057	-.148	-.297	
013	-702	.066	-.518	-1.016	0	863	-.480	.114	-.090	-.902	15	149	-.081	.077	-.162	-.539	
014	-673	.060	-.515	-1.983	0	864	-.441	.142	-.071	-.989	15	150	-.244	.093	-.110	-.553	
015	-659	.192	-.194	-1.738	15	865	-.653	.089	-.403	-1.050	15	151	-.059	.080	-.190	-.333	
016	-683	.058	-.530	-1.994	15	866	-.667	.085	-.449	-1.016	15	152	-.205	.106	-.145	.513	
017	-600	.196	-.149	-1.319	15	867	-.634	.079	-.395	-1.023	15	153	-.001	.093	-.406	-.228	
018	-732	.091	-.428	-1.116	15	868	-.687	.116	-.394	-1.319	15	154	-.118	.106	-.526	-.192	
019	-747	.069	-.569	-1.032	15	869	-.716	.136	-.412	-1.427	15	155	-.024	.086	-.495	-.282	
020	-700	.054	-.563	-1.902	15	870	-.634	.091	-.357	-1.076	15	156	-.038	.085	-.350	-.203	
021	-675	.064	-.489	-1.976	15	871	-.595	.102	-.320	-1.233	15	157	-.074	.160	-.378	-.703	
022	-726	.298	-.402	-1.710	15	872	-.215	.082	-.672	-1.457	15	158	-.099	.101	-.299	-.479	
023	-640	.115	-.170	-1.193	15	873	-.073	.110	-.269	-1.483	15	159	-.135	.094	-.169	-.443	
024	-712	.072	-.516	-1.985	15	874	-.533	.111	-.268	-1.462	15	160	-.188	.093	-.244	.534	
025	-621	.077	-.364	-1.867	15	875	-.053	.111	-.313	-1.476	15	161	-.402	.091	-.018	.749	
026	-548	.111	-.044	-1.807	15	876	-.032	.109	-.287	-1.431	15	162	-.208	.191	-.775	.635	
027	-670	.056	-.508	-1.900	15	877	-.013	.117	-.331	-1.365	15	163	-.387	.106	-.132	-.733	
028	-671	.055	-.528	-1.906	15	878	-.064	.126	-.494	-1.307	15	164	-.208	.186	-.780	-.480	
029	-666	.057	-.508	-1.019	15	879	-.141	.091	-.147	-1.409	15	165	-.256	.117	-.657	-.105	
030	-663	.061	-.491	-1.015	15	880	-.317	.119	-.700	-1.019	15	166	-.168	.107	-.530	-.126	
031	-679	.076	-.468	-1.190	15	881	-.214	.072	-.080	-1.513	15	167	-.026	.094	-.380	-.225	
032	-669	.053	-.530	-1.895	15	882	-.218	.130	-.716	-2.01	15	168	-.410	.116	-.122	-.754	
033	-670	.077	-.456	-1.203	15	883	-.424	.155	-.967	-1.037	15	169	-.229	.163	-.765	-.453	
034	-667	.065	-.510	-1.940	15	884	-.480	.153	-.976	-1.079	15	170	-.256	.111	-.673	-.021	
035	-632	.057	-.487	-1.862	15	885	-.425	.151	-.888	-1.012	15	171	-.098	.561	-.067	-.677	
036	-659	.059	-.521	-1.921	15	886	-.261	.073	-.048	-1.529	15	172	-.051	.097	-.447	-.218	
037	-600	.000	-.000	-.000	15	887	-.123	.133	-.134	-.287	15	173	-.360	.125	-.183	-.730	
038	-624	.080	-.489	-1.291	15	888	-.359	.161	-.851	-.026	15	174	-.247	.136	-.763	-.476	
039	-600	.000	-.000	-.000	15	889	-.125	.435	.150	-.902	15	175	-.250	.097	-.654	-.000	
040	-600	.000	-.000	-.000	15	890	-.326	.386	.137	-.858	15	176	-.182	.090	-.536	-.061	
041	-696	.026	-.019	-.187	15	891	-.422	.144	-.885	-.070	15	177	-.079	.085	-.453	-.144	
042	-653	.070	-.470	-1.008	15	892	-.423	.148	-.879	-.070	15	178	-.272	.124	-.184	-.628	
043	-674	.094	-.437	-1.221	15	893	-.432	.155	-.918	-.056	15	179	-.192	.103	-.536	-.243	
044	-600	.000	-.000	-.000	15	894	-.431	.151	-.902	-.055	15	180	-.202	.096	-.593	-.035	
045	-681	.099	-.293	-1.196	15	895	-.390	.132	-.890	-.051	15	181	-.170	.086	-.526	-.032	
046	-668	.114	-.175	-1.233	15	896	-.391	.151	-.900	-.042	15	182	-.082	.072	-.395	-.131	
047	-660	.134	-.073	-1.339	15	897	-.133	.421	.155	-.970	15	183	-.229	.091	-.933	-.563	
048	-667	.167	-.050	-1.500	15	898	-.388	.146	-.874	-.231	15	184	-.030	.066	-.315	-.298	
049	-662	.077	-.456	-1.109	15	899	-.346	.066	-.054	-.577	15	185	-.130	.084	-.510	-.133	
050	-654	.176	-.094	-1.521	15	900	-.009	.106	-.552	-.257	15	186	-.135	.086	-.510	-.084	
051	-663	.070	-.453	-1.964	15	901	-.194	.124	.621	-.122	15	187	-.078	.070	-.348	-.113	
052	-655	.085	-.244	-1.973	15	902	-.297	.129	.737	-.009	15	188	-.166	.063	-.665	-.468	
053	-569	.115	-.031	-.997	15	903	-.299	.127	.810	-.030	15	189	-.021	.054	-.201	-.174	
054	-617	.154	-.040	-1.336	15	904	-.463	.060	-.257	-.712	15	190	-.063	.054	-.224	-.242	
055	-652	.086	-.239	-1.001	15	905	-.278	.043	-.105	-.476	15	191	-.100	.065	-.336	-.179	
056	-616	.102	.026	-1.030	15	906	-.072	.051	-.167	-.231	15	192	-.148	.078	-.490	-.042	
057	-524	.124	-.234	-1.941	15	907	-.091	.080	-.397	-.082	15	193	-.151	.081	-.498	-.042	
058	-513	.128	-.054	-1.184	15	908	-.144	.105	.529	-.355	15	194	-.124	.073	-.447	-.056	

APPENDIX A -- PRESSURE DATA:

HINES ONE BUILDING -- MINNEAPOLIS, MINNESOTA

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
15	195	- .517	.084	- .139	-.797	15	246	- .330	.035	- .192	-.461	15	332	- .430	.115	- .147	-.958
15	196	- 1.059	.212	- .556	- 1.837	15	247	- .517	.050	- .353	-.755	15	333	- .458	.158	- .148	-.594
15	197	- .692	.153	- .329	- 1.230	15	248	- .407	.040	- .272	-.559	15	334	- .642	.113	- .295	- 1.063
15	198	- .618	.126	- .329	- 1.106	15	249	- .537	.057	- .390	-.895	15	335	- .713	.138	- .301	- 1.163
15	199	- .564	.100	- .283	- 1.034	15	250	- .451	.048	- .311	-.647	15	336	- .750	.147	- .312	- 1.282
15	200	- .493	.084	- .246	- .982	15	251	- .459	.052	- .295	-.669	15	337	- .799	.192	- .313	- 1.709
15	201	- 1.018	.192	- .483	- 1.787	15	252	- .339	.036	- .175	-.458	15	338	- .648	.116	- .310	- 1.365
15	202	- .470	.079	- .190	- 1.063	15	253	- .462	.049	- .303	-.642	15	339	- .786	.177	- .351	- 1.631
15	203	- .949	.160	- .430	- 1.618	15	254	- .613	.068	- .441	-.927	15	340	- .612	.114	- .327	- 1.290
15	204	- .906	.236	- .105	- 1.518	15	255	- .586	.061	- .418	-.803	15	341	- .615	.130	- .264	- 1.136
15	205	- .542	.179	- .224	- 1.136	15	256	- .000	.000	- .000	-.000	15	342	- .615	.169	- .247	- 1.330
15	206	- .494	.101	- .273	- 1.110	15	257	- .588	.060	- .445	-.901	15	343	- .680	.169	- .275	- 1.604
15	207	- .892	.184	- .314	- 1.956	15	258	- .549	.056	- .396	-.830	15	344	- .743	.195	- .353	- 1.571
15	208	- .793	.285	- .109	- 1.550	15	259	- .540	.051	- .392	-.748	15	345	- .767	.188	- .268	- 1.216
15	209	- .423	.154	- .157	- 1.166	15	260	- .543	.055	- .394	-.776	15	346	- .583	.122	- .278	- 1.107
15	210	- .429	.073	- .224	- 1.967	15	261	- .543	.055	- .392	-.780	15	347	- .578	.104	- .278	- 1.333
15	211	- .791	.193	- .232	- 1.489	15	262	- .488	.056	- .277	-.785	15	348	- .600	.133	- .300	- 1.355
15	212	- .656	.286	- .029	- 1.433	15	263	- .524	.060	- .327	-.750	15	349	- .659	.164	- .277	- 1.325
15	213	- .325	.103	- .130	- 1.960	15	264	- .524	.067	- .291	-.860	15	350	- .813	.199	- .253	- 1.507
15	214	- .327	.059	- .114	- 1.911	15	265	- .626	.061	- .450	-.960	15	351	- .449	.110	- .175	- 1.209
15	215	- .706	.220	- .087	- 1.550	15	301	- .665	.088	- .408	-.058	15	352	- .634	.176	- .179	- 1.251
15	216	- .413	.211	- .013	- 1.270	15	302	- .718	.136	- .284	-.366	15	353	- .444	.106	- .170	- 1.034
15	217	- .301	.059	- .116	- 1.653	15	303	- .634	.067	- .447	-.968	15	354	- .408	.084	- .188	- 9.053
15	218	- .372	.072	- .152	- 1.665	15	304	- .631	.106	- .334	-.168	15	355	- .384	.100	- .040	- 8.933
15	219	- .576	.163	- .022	- 1.299	15	305	- .584	.068	- .381	-.854	15	356	- .559	.158	- .184	- 1.393
15	220	- .216	.037	- .036	- 1.569	15	306	- .584	.070	- .399	-.877	15	357	- .726	.218	- .108	- 6.655
15	221	- .292	.042	- .114	- 1.421	15	307	- .586	.067	- .390	-.895	15	358	- .680	.107	- .379	- 1.134
15	222	- .337	.045	- .145	- 1.477	15	308	- .596	.064	- .391	-.935	15	359	- .617	.092	- .342	- 1.009
15	223	- .322	.112	- .223	- 1.715	15	309	- .599	.063	- .371	-.867	15	360	- .591	.091	- .301	- 1.016
15	224	- .231	.035	- .069	- 1.364	15	310	- .608	.069	- .359	-.881	15	361	- .582	.103	- .284	- 1.036
15	225	- .223	.089	- .101	- 1.620	15	311	- .616	.081	- .316	-.904	15	362	- .607	.187	- .118	- 1.531
15	226	- .092	.044	- .067	- 2.226	15	312	- .622	.094	- .353	-.009	15	363	- .657	.116	- .340	- 1.120
15	227	- .191	.033	- .060	- 1.303	15	313	- .640	.103	- .320	-.116	15	364	- .528	.247	- .158	- 1.595
15	228	- .212	.031	- .080	- 1.339	15	314	- .597	.070	- .386	-.901	15	365	- .662	.125	- .291	- 1.053
15	229	- .437	.082	- .169	- 1.670	15	315	- .657	.108	- .345	-.178	15	366	- .514	.085	- .258	- 8.73
15	230	.000	.000	.000	.000	15	316	- .615	.113	- .315	-.304	15	367	- .376	.115	- .031	- 1.057
15	231	.000	.000	.000	.000	15	317	- .388	.072	- .118	-.726	15	368	- .486	.263	- .224	- 1.587
15	232	-.557	.068	- .382	- .881	15	318	- .552	.080	- .301	-.023	15	369	- .658	.126	- .306	- 1.076
15	233	-.449	.070	- .154	- 1.688	15	319	- .554	.065	- .313	-.874	15	370	- .512	.083	- .278	- 9.449
15	234	-.611	.069	- .431	- 1.900	15	320	- .585	.086	- .372	-.953	15	371	- .411	.100	- .033	- 8.871
15	235	-.590	.062	- .427	- 1.847	15	321	- .615	.113	- .315	-.481	15	372	- .460	.187	- .068	- 2.229
15	236	-.612	.068	- .421	- 1.891	15	322	- .545	.150	- .195	-.1329	15	373	- .484	.141	- .237	- 8.885
15	237	.000	.000	.000	.000	15	323	- .572	.142	- .197	-.329	15	374	- .000	.000	- .000	- 0.000
15	238	-.582	.062	- .399	- 1.833	15	324	- .553	.099	- .305	-.009	15	375	- .403	.201	- .513	- 1.080
15	239	-.583	.071	- .265	- 1.893	15	325	- .564	.096	- .260	-.055	15	376	- .251	.169	- .329	- 6.691
15	240	-.566	.064	- .371	- 1.824	15	326	- .598	.134	- .259	-.196	15	377	- .202	.149	- .244	- 5.588
15	241	.000	.000	.000	.000	15	327	- .508	.161	- .175	-.552	15	378	- .211	.142	- .310	- 5.339
15	242	-.564	.063	- .373	- 1.863	15	328	- .474	.150	- .117	-.273	15	379	- .211	.146	- .398	- 6.624
15	243	-.543	.067	- .272	- 1.838	15	329	- .457	.149	- .144	-.447	15	380	- .279	.093	- .106	- 5.556
15	244	-.526	.062	- .341	- 1.999	15	330	- .430	.099	- .144	-.927	15	381	- .279	.168	- .320	- 5.556
15	245	-.557	.063	- .296	- 1.899	15	331	- .397	.088	- .142	-.927	15	382	- .279	.168	- .320	- 5.556

APPENDIX A -- PRESSURE DATA:

HINES ONE BUILDING -- MINNEAPOLIS , MINNESOTA

	TAP	CPMEAN	CPRMS	CPMAX	CPMIN		TAP	CPMEAN	CPRMS	CPMAX	CPMIN		TAP	CPMEAN	CPRMS	CPMAX	CPMIN
383	- .259	.098	- .110	- .603			518	- .500	.054	- .335	- .747		568	- .74	.074	319	.997
384	- .355	.097	- .047	- .829			519	- .504	.052	- .155	- .714		569	- .309	.076	880	.897
385	- .218	.097	.175	- .539			520	- .538	.046	- .408	- .740		570	- .371	.080	1270	.1270
386	- .181	.128	.364	- .697			521	- .567	.050	- .262	- .808		571	- .286	.071	881	.881
387	- .297	.093	.049	- .664			522	- .482	.067	- .176	- .864		572	- .182	.079	1270	.1270
388	- .181	.130	.471	- .569			523	- .495	.057	- .382	- .746		573	- .741	.079	741	.741
389	- .284	.111	.097	- .866			524	- .529	.047	- .291	- .698		574	- .267	.084	818	.818
390	- .359	.100	- .039	- .760			525	- .519	.048	- .337	- .728		575	- .192	.090	1695	.1695
391	- .264	.088	.144	- .559			526	- .549	.049	- .272	- .765		576	- .211	.097	885	.885
392	- .138	.153	.359	- .867			527	- .533	.053	- .181	- .758		577	- .144	.097	569	.569
393	- .134	.139	.421	- .580			528	- .531	.051	- .342	- .759		578	- .098	.098	616	.616
394	- .390	.224	.235	- .584			529	- .512	.051	- .321	- .718		579	- .144	.098	872	.872
395	- .266	.102	.073	- .631			530	- .522	.051	- .123	- .729		580	- .098	.098	188	.188
396	- .324	.127	- .030	- .679			531	- .473	.053	- .329	- .668		581	- .098	.098	962	.962
397	- .282	.090	- .039	- .725			532	- .539	.055	- .312	- .733		582	- .098	.098	833	.833
398	- .285	.112	.009	- .700			533	- .549	.056	- .334	- .807		583	- .098	.098	893	.893
399	- .336	.125	.002	- .000			534	- .549	.070	- .000	- .610		584	- .433	.060	1695	.1695
400	- .291	.121	.105	- .062			535	- .366	.028	- .246	- .702		585	- .414	.054	424	.424
401	- .414	.208	.018	- .662			536	- .428	.048	- .346	- .703		586	- .424	.058	433	.433
402	- .177	.115	.289	- .626			537	- .426	.048	- .346	- .703		587	- .424	.058	923	.923
403	- .352	.163	.128	- .260			538	- .517	.053	- .344	- .766		588	- .424	.058	875	.875
404	- .182	.139	.398	- .626			539	- .559	.076	- .344	- .724		589	- .417	.049	761	.761
405	- .314	.113	.140	- .654			540	- .442	.086	- .154	- .724		590	- .227	.075	227	.227
406	- .291	.079	.043	- .654			541	- .476	.072	- .154	- .717		591	- .014	.066	014	.014
407	- .175	.139	.340	- .654			542	- .537	.061	- .141	- .765		592	- .424	.060	923	.923
408	- .140	.140	.400	- .609			543	- .660	.102	- .162	- .766		593	- .408	.057	408	.408
409	- .268	.142	.668	- .707			544	- .414	.107	- .162	- .758		594	- .414	.105	174	.174
410	- .204	.107	.079	- .707			545	- .508	.076	- .162	- .719		595	- .444	.087	188	.188
411	- .118	.157	.457	- .654			546	- .567	.064	- .162	- .711		596	- .424	.077	009	.009
412	- .056	.141	.452	- .654			547	- .533	.059	- .162	- .768		597	- .418	.075	937	.937
413	- .251	.157	.251	- .809			548	- .660	.053	- .162	- .714		598	- .433	.144	496	.496
414	- .188	.144	.723	- .809			549	- .414	.107	- .162	- .768		599	- .383	.144	383	.383
415	- .025	.208	.690	- .707			550	- .567	.059	- .162	- .714		600	- .398	.101	155	.155
501	- .632	.109	- .284	- .134			551	- .613	.068	- .162	- .904		601	- .333	.101	333	.333
502	- .652	.107	- .294	- .140			552	- .574	.063	- .346	- .852		602	- .295	.101	295	.295
503	- .702	.142	.276	- .211			553	- .588	.060	- .398	- .850		603	- .275	.101	275	.275
504	- .653	.087	.396	- .211			554	- .620	.074	- .444	- .946		604	- .204	.111	016	.016
505	- .630	.083	- .400	- .207			555	- .591	.050	- .419	- .789		605	- .180	.111	275	.275
506	- .626	.089	.370	- .207			556	- .604	.060	- .434	- .878		606	- .180	.111	085	.085
507	- .604	.105	.257	- .117			557	- .574	.044	- .432	- .731		607	- .123	.123	838	.838
508	- .528	.077	.234	- .843			558	- .572	.045	- .445	- .749		608	- .000	.000	901	.901
509	- .530	.081	.217	- .908			559	- .586	.046	- .464	- .747		609	- .067	.067	358	.358
510	- .539	.076	.274	- .935			560	- .572	.051	- .411	- .792		610	- .596	.163	012	.012
511	- .544	.077	.197	- .897			561	- .572	.062	- .384	- .809		611	- .490	.140	255	.255
512	- .550	.075	.293	- .848			562	- .588	.051	- .408	- .739		612	- .440	.132	961	.961
513	- .559	.077	.249	- .841			563	- .577	.052	- .433	- .801		613	- .547	.060	762	.762
514	- .582	.073	.306	- .862			564	- .599	.072	- .262	- .920		614	- .550	.057	400	.400
515	- .492	.068	.109	- .839			565	- .600	.059	- .427	- .820		615	- .557	.057	403	.403
516	- .441	.047	.241	- .607			566	- .611	.064	- .411	- .915		616	- .557	.057	731	.731
517	- .497	.065	.296	- .808			567	- .550	.072	- .262	- .920		617	- .557	.055	386	.386

APPENDIX A -- PRESSURE DATA:

HINES ONE BUILDING -- MINNEAPOLIS , MINNESOTA

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
707	- .556	.056	- .394	- .745	15	803	- .628	.087	- .348	- .983	15	853	- .571	.095	- .172	- .094	
708	- .555	.054	- .403	- .745	15	804	- .707	.115	- .410	- 1.238	15	854	- .600	.113	- .208	- .116	
709	- .555	.053	- .390	- .758	15	805	- .671	.073	- .462	- 1.966	15	855	- .526	.115	- .023	- .942	
710	- .556	.052	- .413	- .766	15	806	- .741	.162	- .281	- 1.483	15	857	- .412	.127	- .052	- .976	
711	- .556	.059	- .423	- .846	15	807	- .775	.158	- .337	- 1.405	15	858	- .431	.133	- .011	- .966	
712	- .559	.034	- .407	- .763	15	808	- .259	.195	- .441	- 1.047	15	859	- .502	.079	- .033	- .027	
713	- .550	.077	- .062	- .767	15	809	- .481	.184	- .206	- 1.050	15	860	- .476	.096	- .223	- .844	
714	- .551	.079	- .168	- .777	15	810	- .610	.139	- .108	- 1.102	15	861	- .481	.073	- .208	- .940	
715	- .551	.058	- .394	- .765	15	811	- .670	.107	- .259	- 1.309	15	862	- .465	.073	- .179	- .737	
716	- .535	.064	- .209	- .781	15	812	- .693	.095	- .340	- 1.199	15	863	- .433	.083	- .113	- .833	
717	- .539	.064	- .328	- .807	15	813	- .684	.098	- .405	- 1.391	15	864	- .451	.088	- .145	- .968	
718	- .542	.058	- .326	- .830	15	814	- .665	.075	- .462	- 1.979	30	101	- .626	.098	- .325	- .1	
720	- .521	.071	- .139	- .859	15	815	- .155	.224	- .591	- 1.274	30	102	- .641	.091	- .369	- .988	
721	- .486	.079	- .149	- .858	15	816	- .671	.070	- .485	- 1.355	30	103	- .610	.088	- .348	- .082	
722	- .497	.067	- .290	- .757	15	817	- .010	.149	- .651	- 6.99	30	104	- .639	.122	- .302	- .288	
723	- .499	.065	- .295	- .816	15	818	- .257	.172	- .362	- 8.66	30	105	- .665	.160	- .222	- .397	
724	- .417	.062	- .166	- .642	15	819	- .522	.122	- .023	- 9.10	30	106	- .616	.108	- .273	- .162	
725	- .534	.033	- .394	- .731	15	820	- .597	.069	- .370	- 8.44	30	107	- .585	.124	- .166	- .180	
726	- .558	.054	- .411	- .759	15	821	- .712	.085	- .462	- 1.054	30	108	- .554	.116	- .360	- .469	
727	- .516	.054	- .311	- .711	15	822	- .148	.158	- .572	- 9.62	30	109	- .680	.121	- .467	- .372	
728	- .547	.065	- .348	- .831	15	823	- .168	.139	- .405	- 6.339	30	110	- .559	.115	- .454	- .339	
728	- .547	.065	- .348	- .831	15	824	- .366	.090	- .027	- 6.97	30	111	- .636	.113	- .385	- .380	
729	- .488	.054	- .336	- .751	15	825	- .282	.092	- .097	- 5.69	30	112	- .634	.109	- .439	- .332	
730	- .396	.059	- .201	- .704	15	826	- .173	.135	- .337	- 5.29	30	113	- .015	.124	- .458	- .407	
731	- .499	.063	- .268	- .750	15	827	- .673	.098	- .447	- 1.278	30	114	- .004	.121	- .436	- .399	
732	- .484	.056	- .277	- .732	15	828	- .656	.082	- .422	- 1.157	30	115	- .040	.129	- .483	- .488	
733	- .299	.067	- .041	- .513	15	829	- .637	.072	- .440	- 1.015	30	116	- .211	.111	- .566	- .175	
734	- .384	.082	- .137	- .815	15	830	- .610	.061	- .456	- 9.06	30	117	- .161	.080	- .152	- .488	
735	- .358	.068	- .140	- .673	15	831	- .589	.060	- .401	- 8.96	30	118	- .286	.143	- .740	- .183	
736	- .359	.067	- .123	- .622	15	832	- .688	.090	- .458	- 2.57	30	119	- .449	.172	- .017	- .009	
737	- .354	.068	- .111	- .612	15	833	- .620	.072	- .418	- 1.019	30	120	- .426	.154	- .903	- .037	
738	- .353	.066	- .139	- .570	15	834	- .859	.154	- .519	- 5.25	30	121	- .263	.133	- .734	- .182	
739	- .356	.075	- .065	- .622	15	835	- .654	.084	- .405	- 1.027	30	122	- .279	.075	- .014	- .624	
740	- .246	.033	- .149	- .356	15	836	- .643	.070	- .439	- 9.76	30	123	- .182	.115	- .544	- .210	
741	- .291	.084	- .094	- .718	15	837	- .000	.000	- .000	- 0.00	30	124	- .422	.157	- .889	- .051	
742	- .374	.101	- .012	- .732	15	838	- .673	.080	- .462	- 1.025	30	125	- .406	.137	- .911	- .044	
743	- .343	.079	- .030	- .657	15	839	- .000	.000	- .000	- 0.00	30	126	- .247	.114	- .596	- .087	
744	- .371	.094	- .126	- .753	15	840	- .000	.000	- .000	- 0.00	30	127	- .358	.124	- .852	- .033	
745	- .395	.112	- .062	- .861	15	841	- .073	.028	- .036	- 1.975	30	128	- .401	.136	- .933	- .046	
746	- .415	.113	- .167	- .169	15	842	- .591	.075	- .160	- 1.035	30	129	- .378	.132	- .813	- .033	
747	- .398	.118	- .012	- .846	15	843	- .570	.120	- .033	- 1.155	30	130	- .358	.126	- .738	- .041	
748	- .369	.175	- .368	- .983	15	844	- .000	.000	- .000	- 0.00	30	131	- .294	.104	- .658	- .042	
749	- .346	.196	- .152	- .1057	15	845	- .608	.069	- .395	- 8.61	30	132	- .372	.129	- .778	- .032	
750	- .029	.209	- .648	- .776	15	846	- .607	.076	- .394	- 2.16	30	133	- .343	.133	- .801	- .028	
751	- .637	.240	- .179	- .701	15	847	- .606	.085	- .374	- 0.29	30	134	- .242	.117	- .676	- .101	
752	- .244	.097	- .116	- .529	15	848	- .604	.094	- .305	- 1.298	30	135	- .349	.079	- .119	- .744	
753	- .195	.112	- .325	- .548	15	849	- .617	.073	- .416	- 9.96	30	136	- .041	.100	- .473	- .261	
754	- .158	.142	- .456	- .679	15	850	- .620	.106	- .352	- 3.29	30	137	- .239	.124	- .825	- .058	
801	- .633	.122	- .258	- .126	15	851	- .639	.076	- .320	- 0.15	30	138	- .294	.115	- .681	- .000	
802	- .640	.082	- .426	- .979	15	852	- .629	.085	- .273	- 1.106	30						

APPENDIX A -- PRESSURE DATA:

HINES ONE BUILDING -- MINNEAPOLIS , MINNESOTA

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
30	139	.193	.103	.733	-.107	30	189	-.016	.048	.156	-.256	30	240	-.489	.070	.298	-.893
30	140	-.448	.082	-.180	-.730	30	190	-.089	.052	.143	-.282	30	241	-.000	.000	.000	-.000
30	141	-.297	.065	-.044	-.600	30	191	-.060	.063	.296	-.134	30	242	-.496	.067	.302	-.869
30	142	-.128	.052	.080	-.344	30	192	-.081	.061	.297	-.123	30	243	-.469	.065	.245	-.724
30	143	.049	.071	.324	-.156	30	193	-.075	.061	.328	-.114	30	244	-.462	.063	.174	-.726
30	144	.096	.079	.423	-.134	30	194	-.056	.057	.282	-.121	30	245	-.477	.078	.167	-.834
30	145	-.320	.060	-.161	-.636	30	195	-.462	.087	-.148	-.974	30	246	-.294	.035	.120	-.406
30	146	-.245	.047	-.099	-.426	30	196	-.667	.146	-.303	-.427	30	247	-.447	.048	.282	-.616
30	147	-.169	.051	.014	-.338	30	197	-.643	.130	-.295	-.673	30	248	-.358	.043	.325	-.609
30	148	-.120	.062	.120	-.342	30	198	-.649	.138	-.273	-.375	30	249	-.473	.059	.325	-.711
30	149	-.082	.061	.143	-.409	30	199	-.575	.140	-.132	-.283	30	250	-.406	.056	.180	-.654
30	150	-.144	.048	.025	-.360	30	200	-.535	.138	-.107	-.106	30	251	-.412	.052	.222	-.607
30	151	-.034	.065	.170	-.307	30	201	-.599	.152	-.318	-.275	30	252	-.306	.038	.117	-.439
30	152	-.073	.066	.263	-.274	30	202	-.540	.129	-.481	-.198	30	253	-.409	.046	.265	-.590
30	153	.078	.080	.379	-.130	30	203	-.607	.155	-.283	-.214	30	254	-.545	.076	.343	-.030
30	154	.152	.087	.525	-.121	30	204	-.631	.157	-.297	-.325	30	255	-.522	.066	.378	-.871
30	155	.088	.090	.444	-.264	30	205	-.576	.128	-.275	-.227	30	256	-.000	.000	.000	-.000
30	156	-.033	.072	.295	-.257	30	206	-.578	.136	-.253	-.295	30	257	-.536	.077	.334	-.017
30	157	-.368	.174	.181	-.869	30	207	-.672	.179	-.263	-.364	30	258	-.511	.075	.327	-.184
30	158	-.201	.079	.096	-.480	30	208	-.689	.179	-.268	-.452	30	259	-.497	.064	.325	-.802
30	159	-.222	.074	.069	-.490	30	209	-.554	.156	-.172	-.342	30	260	-.478	.065	.293	-.767
30	160	-.263	.074	.049	-.544	30	210	-.530	.154	-.112	-.340	30	261	-.489	.071	.331	-.951
30	161	-.404	-.074	-.181	-.697	30	211	-.691	.169	-.146	-.464	30	263	-.425	.058	.121	-.669
30	162	-.191	.217	-.490	-.143	30	212	-.670	.183	-.205	-.461	30	264	-.414	.057	.245	-.645
30	163	.356	.082	-.113	-.663	30	213	-.462	.161	-.018	-.093	30	265	-.456	.066	.190	-.734
30	164	-.146	.210	.629	-.046	30	214	-.418	.147	-.094	-.134	30	301	-.617	.102	.302	-.037
30	165	.095	.107	.557	-.370	30	215	-.715	.163	-.321	-.453	30	302	-.705	.110	.311	-.098
30	166	-.025	.094	.427	-.231	30	216	-.527	.190	-.036	-.427	30	303	-.746	.091	.284	-.261
30	167	-.082	.083	.219	-.319	30	217	-.317	.096	-.076	-.986	30	304	-.592	.091	.215	-.890
30	168	-.389	.095	-.152	-.818	30	218	-.329	.082	-.092	-.804	30	305	-.591	.151	.104	-.351
30	169	-.098	-.020	.557	-.722	30	219	-.523	.147	-.087	-.435	30	306	-.476	.068	.178	-.742
30	170	-.097	.094	.471	-.198	30	220	-.210	.060	-.067	-.678	30	307	-.473	.070	.187	-.774
30	171	.035	.081	.351	-.169	30	221	-.263	.037	-.152	-.476	30	308	-.482	.063	.314	-.791
30	172	-.078	.077	.189	-.292	30	222	-.300	.045	-.141	-.504	30	309	-.477	.058	.315	-.682
30	173	-.387	.096	-.085	-.790	30	223	-.253	.092	-.047	-.545	30	310	-.479	.062	.292	-.691
30	174	-.006	.170	.509	-.905	30	224	-.219	.044	-.009	-.408	30	311	-.461	.066	.262	-.712
30	175	.108	.082	.441	-.099	30	225	-.176	.070	-.123	-.447	30	312	-.456	.077	.216	-.204
30	176	.024	.071	.409	-.175	30	226	-.103	.042	-.065	-.226	30	313	-.448	.080	.112	-.997
30	177	-.066	.063	.250	-.227	30	227	-.191	.036	-.020	-.317	30	314	-.473	.093	.047	-.881
30	178	-.354	.085	-.112	-.817	30	228	-.210	.035	-.018	-.334	30	315	-.490	.070	.295	-.070
30	179	.029	.087	.337	-.332	30	229	-.405	.096	-.076	-.841	30	316	-.471	.076	.222	-.845
30	180	.090	.081	.472	-.100	30	230	-.000	.000	-.000	-.000	30	317	-.307	.069	.087	-.918
30	181	.062	.075	.420	-.101	30	231	-.470	.069	-.304	-.755	30	318	-.484	.086	.281	-.003
30	182	-.015	.068	.266	-.201	30	232	-.403	.071	-.067	-.702	30	319	-.441	.057	.302	-.839
30	183	-.298	.083	-.016	-.690	30	233	-.526	.070	-.343	-.786	30	320	-.455	.061	.274	-.824
30	184	-.045	.072	.183	-.327	30	234	-.510	.064	-.357	-.758	30	321	-.477	.080	.250	-.001
30	185	.031	.065	.313	-.224	30	235	-.538	.085	-.300	-.897	30	322	-.509	.169	.192	-.487
30	186	.045	.064	.306	-.178	30	236	-.000	.000	-.000	-.000	30	323	-.503	.143	.210	-.314
30	187	-.005	.058	.256	-.183	30	237	-.511	.073	-.274	-.813	30	324	-.443	.070	.234	-.777
30	188	-.196	.068	.074	-.480	30	238	-.516	.090	-.225	-.1026	30	325	-.462	.092	.212	-.816

APPENDIX A -- PRESSURE DATA:

HINES ONE BUILDING -- MINNEAPOLIS, MINNESOTA

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN		
30	326	-.461	.102	-.225	-.966	30	376	-.186	.125	.279	-.566	30	512	-.521	.089	-.186	-.908		
30	327	-.429	.134	-.128	-.1	261	30	379	-.127	.109	.365	-.478	30	513	-.531	.090	-.197	-.884	
30	328	-.376	.116	-.117	-.1	831	30	380	-.238	.126	.315	-.762	30	514	-.558	.093	-.214	-.930	
30	329	-.380	.124	-.083	-.1	394	30	381	-.207	.072	.071	-.412	30	515	-.461	.081	-.191	-.793	
30	330	-.361	.083	-.156	-.1	937	30	382	-.157	.092	.241	-.403	30	516	-.465	.068	-.179	-.729	
30	331	-.332	.070	-.082	-.1	916	30	383	-.276	.090	.054	-.613	30	517	-.489	.093	-.190	-.931	
30	332	-.376	.114	-.099	-.1	923	30	384	-.254	.063	.016	-.494	30	518	-.480	.052	-.324	-.717	
30	333	-.361	.115	-.141	-.1	984	30	385	-.169	.083	.198	-.417	30	519	-.536	.063	-.353	-.863	
30	334	-.499	.109	-.166	-.1	931	30	386	-.283	.087	.058	-.789	30	520	-.568	.080	-.320	-.917	
30	335	-.531	.119	-.175	-.1	053	30	387	-.264	.055	-.026	-.457	30	522	-.450	.099	-.184	-.970	
30	336	-.562	.124	-.136	-.1	147	30	388	-.260	.059	-.012	-.462	30	523	-.446	.071	-.250	-.872	
30	337	-.598	.119	-.256	-.1	166	30	389	-.312	.078	-.069	-.679	30	524	-.405	.056	-.296	-.687	
30	338	-.582	.113	-.269	-.1	269	30	390	-.280	.056	-.086	-.486	30	525	-.542	.072	-.316	-.875	
30	339	-.504	.097	-.258	-.1	132	30	391	-.272	.053	-.065	-.448	30	526	-.581	.076	-.364	-.933	
30	340	-.543	.099	-.275	-.1	026	30	392	-.302	.078	.254	-.657	30	527	-.571	.078	-.354	-.959	
30	341	-.489	.084	-.277	-.1	879	30	393	-.259	.062	.210	-.424	30	528	-.553	.070	-.350	-.884	
30	342	-.518	.093	-.277	-.1	000	30	394	-.308	.070	-.069	-.711	30	530	-.532	.077	-.341	-.977	
30	343	-.600	.109	-.323	-.1	137	30	395	-.287	.060	.063	-.508	30	531	-.548	.076	-.330	-.947	
30	344	-.642	.126	-.329	-.1	307	30	396	-.263	.086	-.009	-.979	30	532	-.509	.076	-.275	-.851	
30	345	-.638	.117	-.303	-.1	093	30	397	-.232	.062	-.007	-.569	30	533	-.564	.077	-.360	-.999	
30	346	-.461	.080	-.201	-.1	913	30	398	-.181	.088	.141	-.502	30	534	-.559	.080	-.334	-.921	
30	347	-.527	.074	-.256	-.1	874	30	399	-.254	.065	.042	-.594	30	535	-.579	.083	-.364	-.940	
30	348	-.605	.091	-.311	-.1	928	30	400	-.208	.105	.161	-.504	30	536	-.401	.073	-.230	-.724	
30	349	-.708	.114	-.372	-.1	164	30	401	-.237	.067	-.005	-.596	30	537	-.442	.056	-.278	-.654	
30	350	-.939	.188	-.394	-.1	605	30	402	-.131	.096	.236	-.451	30	538	-.542	.069	-.364	-.867	
30	351	-.371	.084	-.112	-.1	751	30	403	-.210	.078	.054	-.620	30	539	-.646	.088	-.373	-.989	
30	352	-.776	.174	-.284	-.1	534	30	404	-.302	.101	.163	-.739	30	540	-.400	.094	-.118	-.823	
30	353	-.364	.083	-.154	-.1	750	30	405	-.279	.069	-.025	-.566	30	541	-.426	.083	-.158	-.719	
30	354	-.356	.062	-.127	-.1	565	30	406	-.257	.063	-.028	-.539	30	542	-.484	.070	-.212	-.761	
30	355	-.228	.054	-.047	-.1	496	30	407	-.299	.088	-.044	-.639	30	543	-.548	.082	-.333	-.886	
30	356	-.475	.093	-.152	-.1	039	30	408	-.308	.087	-.103	-.723	30	544	-.717	.122	-.395	-.185	
30	357	-.707	.196	-.125	-.1	539	30	409	-.277	.061	-.044	-.488	30	545	-.393	.086	-.130	-.750	
30	358	-.546	.079	-.303	-.1	849	30	410	-.252	.065	-.072	-.482	30	546	-.438	.078	-.161	-.818	
30	359	-.536	.071	-.320	-.1	807	30	411	-.302	.076	.042	-.666	30	547	-.507	.062	-.357	-.737	
30	360	-.540	.075	-.281	-.1	894	30	412	-.230	.067	.042	-.536	30	548	-.468	.059	-.310	-.677	
30	361	-.557	.100	-.257	-.1	942	30	413	-.250	.063	.097	-.520	30	549	-.437	.062	-.269	-.733	
30	362	-.748	.210	-.161	-.1	513	30	414	-.094	.123	.377	-.600	30	550	-.619	.124	-.196	-.275	
30	363	-.497	.072	-.279	-.1	840	30	415	-.203	.098	.303	-.424	30	551	-.592	.100	-.173	-.117	
30	364	-.684	.284	-.143	-.1	632	30	501	-.599	.121	-.239	-.1	121	30	552	-.595	.101	-.158	-.223
30	365	-.555	.080	-.324	-.1	844	30	502	-.599	.118	-.210	-.1	051	30	553	-.570	.115	-.172	-.392
30	366	-.448	.068	-.234	-.1	678	30	503	-.619	.144	-.051	-.1	315	30	554	-.603	.124	-.240	-.309
30	367	-.339	.098	-.013	-.1	854	30	504	-.633	.102	-.362	-.1	206	30	555	-.636	.128	-.205	-.238
30	368	-.497	.241	-.091	-.1	412	30	505	-.609	.092	-.369	-.1	077	30	556	-.627	.116	-.266	-.274
30	369	-.749	.139	-.320	-.1	316	30	506	-.595	.094	-.297	-.1	049	30	557	-.599	.081	-.355	-.021
30	370	-.580	.122	-.279	-.1	009	30	507	-.592	.111	-.247	-.1	276	30	558	-.607	.080	-.275	-.115
30	371	-.397	.103	-.063	-.1	852	30	508	-.492	.096	-.146	-.823	30	559	-.633	.093	-.331	-.098	
30	372	-.341	.097	-.025	-.1	838	30	510	-.477	.095	-.116	-.991	30	560	-.643	.112	-.274	-.232	
30	373	-.461	.132	-.040	-.1	897	30	511	-.502	.091	-.157	-.848	30	561	-.627	.102	-.343	-.014	
30	374	-.093	.125	.312	-.1	546	30	512	-.475	.090	-.198	-.996	30	562	-.643	.112	-.274	-.232	
30	375	-.357	.167	.425	-.1	822	30	513	-.507	.091	-.198	-.996	30	563	-.643	.112	-.343	-.014	

APPENDIX A -- PRESSURE DATA:

HINES ONE BUILDING -- MINNEAPOLIS , MINNESOTA

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
30	562	- .588	.083	- .346	- .880	30	701	- .480	.070	- .315	- .765	30	751	- .284	.071	- .040	- .932
30	563	- .610	.098	- .236	- .996	30	702	- .476	.065	- .328	- .821	30	752	- .202	.079	- .126	- .431
30	564	- .652	.106	- .360	- 1.107	30	703	- .471	.063	- .309	- .797	30	753	- .240	.067	- .051	- .500
30	565	- .670	.123	- .337	- 1.314	30	704	- .471	.065	- .326	- .796	30	754	- .248	.067	- .139	- .447
30	566	- .709	.135	- .371	- 1.316	30	705	- .490	.062	- .328	- .772	30	801	- .470	.127	- .022	- .887
30	567	- .573	.080	- .266	- .861	30	706	- .490	.065	- .323	- .758	30	802	- .521	.083	- .154	- .845
30	568	- .569	.085	- .322	- .851	30	707	- .491	.066	- .338	- .769	30	803	- .463	.092	- .119	- .812
30	569	- .595	.097	- .265	- .979	30	708	- .490	.065	- .327	- .762	30	804	- .664	.160	- .191	- 1.336
30	570	- .664	.113	- .327	- 1.113	30	709	- .479	.069	- .330	- .799	30	805	- .614	.104	- .224	- .981
30	571	- .741	.141	- .312	- 1.299	30	710	- .489	.067	- .339	- .787	30	806	- .703	.151	- .205	- 1.271
30	572	- .542	.084	- .324	- 1.006	30	711	- .487	.075	- .335	- .894	30	807	- .752	.138	- .291	- 1.262
30	573	- .424	.080	- .132	- .706	30	712	- .488	.071	- .338	- .880	30	808	- .097	.155	- .591	- .599
30	574	- .412	.077	- .127	- .721	30	713	- .424	.073	- .018	- .790	30	809	- .194	.170	- .535	- .690
30	575	- .438	.095	- .044	- .793	30	714	- .435	.075	- .029	- .754	30	810	- .325	.149	- .277	- .848
30	576	- .563	.139	- .155	- 1.112	30	715	- .471	.063	- .320	- .756	30	811	- .436	.129	- .038	- .884
30	577	- .480	.066	- .330	- .826	30	716	- .456	.064	- .226	- .824	30	812	- .533	.108	- .098	- .947
30	578	- .285	.057	- .030	- .459	30	717	- .469	.078	- .214	- .810	30	813	- .583	.096	- .246	- .933
30	579	- .290	.056	- .005	- .500	30	718	- .479	.073	- .261	- .767	30	814	- .609	.079	- .383	- 1.180
30	580	- .286	.055	- .060	- .463	30	720	- .462	.083	- .193	- .804	30	815	- .022	.155	- .538	- .471
30	581	- .311	.070	- .053	- .604	30	721	- .426	.069	- .196	- .712	30	816	- .593	.075	- .390	- .909
30	582	- .652	.154	- .201	- 1.431	30	722	- .435	.061	- .225	- .707	30	817	- .023	.113	- .469	- .334
30	583	- .611	.132	- .258	- 1.403	30	723	- .439	.063	- .268	- .801	30	818	- .126	.109	- .256	- .461
30	584	- .645	.121	- .348	- 1.602	30	724	- .362	.052	- .081	- .556	30	819	- .297	.091	- .093	- .619
30	585	- .608	.088	- .311	- 1.311	30	725	- .476	.065	- .308	- .799	30	820	- .474	.076	- .137	- .764
30	586	- .604	.079	- .343	- 1.095	30	726	- .492	.068	- .321	- .827	30	821	- .636	.095	- .323	- 1.052
30	587	- .690	.161	- .279	- .585	30	727	- .459	.067	- .215	- .803	30	822	- .261	.137	- .402	- .787
30	588	- .701	.148	- .334	- 1.735	30	728	- .428	.072	- .117	- .659	30	823	- .207	.120	- .504	- .617
30	590	- .683	.106	- .347	- 1.271	30	729	- .428	.072	- .117	- .659	30	824	- .263	.074	- .041	- .480
30	591	- .641	.087	- .371	- 1.148	30	730	- .419	.056	- .256	- .672	30	825	- .228	.082	- .153	- .512
30	593	- .752	.149	- .352	- 1.552	30	731	- .317	.054	- .130	- .542	30	826	- .174	.110	- .277	- .527
30	594	- .731	.120	- .389	- 1.470	30	732	- .421	.061	- .233	- .653	30	827	- .615	.109	- .386	- 1.407
30	595	- .706	.107	- .406	- 1.274	30	733	- .389	.062	- .149	- .627	30	828	- .610	.097	- .410	- .335
30	596	- .692	.104	- .406	- 1.267	30	734	- .256	.054	- .085	- .451	30	829	- .575	.077	- .336	- 1.001
30	597	- .814	.164	- .364	- 1.511	30	735	- .285	.054	- .111	- .530	30	830	- .562	.072	- .370	- .933
30	598	- .800	.151	- .391	- 1.499	30	736	- .281	.052	- .096	- .508	30	831	- .552	.083	- .343	- .979
30	599	- .770	.134	- .445	- 1.429	30	737	- .299	.056	- .072	- .662	30	832	- .602	.089	- .412	- 1.082
30	600	- .749	.128	- .424	- 1.253	30	738	- .273	.050	- .076	- .504	30	833	- .550	.077	- .321	- .875
30	601	- .550	.189	- .092	- 1.323	30	739	- .281	.052	- .079	- .519	30	834	- .538	.132	- .421	- 1.269
30	602	- .603	.215	- .050	- 1.355	30	740	- .277	.050	- .070	- .506	30	835	- .638	.106	- .362	- 1.145
30	603	- .819	.258	- .035	- 2.092	30	741	- .239	.027	- .147	- .333	30	836	- .569	.075	- .352	- .879
30	604	- .776	.237	- .273	- 1.982	30	742	- .247	.058	- .173	- .419	30	837	- .000	.000	- .000	- .000
30	605	- .330	.109	- .057	- .966	30	743	- .266	.049	- .088	- .410	30	838	- .584	.091	- .389	- 1.051
30	606	- .351	.104	- .043	- .889	30	744	- .274	.051	- .005	- .452	30	839	- .000	.000	- .000	- .000
30	608	- .407	.115	- .179	- 1.104	30	745	- .272	.052	- .090	- .474	30	840	- .000	.000	- .000	- .000
30	609	- .273	.056	- .057	- 4.94	30	746	- .367	.068	- .106	- .683	30	841	- .041	.032	- .066	- 1.61
30	610	- .301	.037	- .053	- .565	30	747	- .282	.054	- .007	- .538	30	842	- .526	.081	- .133	- .844
30	611	- .000	.000	- .000	- .000	30	748	- .275	.055	- .047	- .485	30	843	- .514	.129	- .038	- 1.306
30	612	- .287	.052	- .041	- .513	30	749	- .265	.059	- .012	- .548	30	844	- .000	.000	- .000	- .000
30	613	- .290	.064	- .069	- .613	30	750	- .240	.080	- .410	- .579	30	845	- .541	.080	- .359	- 1.007
30	614	- .289	.060	- .018	- .553	30						30	846	- .540	.080	- .351	- 1.011

APPENDIX A -- PRESSURE DATA:

HINES ONE BUILDING -- MINNEAPOLIS , MINNESOTA

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
30	847	- .534	.086	- .350	-1 .134	45	133	.272	.146	.795	- .289	45	183	- .278	.065	- .078	- .625
30	848	- .526	.093	- .263	-1 .138	45	134	.152	.111	.588	- .381	45	184	- .096	.066	- .122	- .348
30	849	- .528	.077	- .361	- .858	45	135	.367	.117	.044	- .896	45	185	- .031	.061	- .179	- .274
30	850	- .536	.105	- .279	-1 .352	45	136	.111	.101	.399	- .505	45	186	- .020	.061	- .223	- .265
30	851	- .548	.087	- .335	-1 .013	45	137	.032	.131	.522	- .424	45	187	- .052	.055	- .193	- .424
30	852	- .543	.094	- .141	-1 .090	45	138	.117	.134	.611	- .367	45	188	- .192	.059	- .055	- .191
30	853	- .494	.104	- .134	-1 .064	45	139	.053	.106	.412	- .405	45	189	- .082	.045	- .191	- .231
30	854	.530	.117	- .049	-1 .352	45	140	.245	.063	.053	- .561	45	190	- .102	.045	- .102	- .265
30	855	- .465	.120	- .157	-1 .051	45	141	.222	.052	.068	- .445	45	191	- .055	.050	- .143	- .199
30	856	- .417	.120	- .158	- .994	45	142	.206	.052	.011	- .452	45	192	- .019	.050	- .284	- .140
30	857	.372	.106	.007	- .856	45	143	.110	.063	.142	- .319	45	193	.016	.051	- .275	- .164
30	858	- .403	.095	- .023	- .787	45	144	.031	.071	.328	- .277	45	194	- .021	.047	- .200	- .174
30	859	- .446	.069	- .159	- .712	45	145	.214	.048	.091	- .562	45	195	.388	.078	- .062	- .750
30	860	- .418	.091	- .028	- .830	45	146	.039	.098	.358	45	196	.515	.086	- .220	- .881	
30	861	- .423	.064	- .153	- .663	45	147	.172	.040	.051	- .340	45	197	.508	.103	- .183	- .207
30	862	- .415	.064	- .142	- .648	45	148	.132	.047	.058	- .360	45	198	.502	.111	- .154	- .042
30	863	.393	.074	- .074	- .627	45	149	.126	.066	.135	- .434	45	199	.437	.102	- .126	- .005
45	864	- .410	.082	- .117	- .905	45	150	.145	.040	.051	- .296	45	200	.439	.105	- .118	- .885
101	- .652	.109	- .317	-1 .001	45	151	.131	.070	.145	- .437	45	201	.415	.056	- .223	- .688	
102	- .723	.112	- .365	-1 .001	45	152	.125	.042	.058	- .259	45	202	.415	.074	- .154	- .299	
103	- .707	.120	- .402	-1 .291	45	153	.062	.066	.242	- .220	45	203	.418	.072	- .233	- .823	
104	- .671	.135	- .180	-1 .281	45	154	.006	.092	.388	- .245	45	204	.440	.074	- .249	- .852	
105	- .674	.188	- .026	-1 .637	45	155	.052	.081	.308	- .337	45	205	.451	.083	- .200	- .005	
106	- .681	.128	- .267	-1 .191	45	156	.086	.070	.149	- .430	45	206	.486	.101	- .183	- .005	
107	- .629	.127	- .200	-1 .086	45	157	.616	.146	.153	-1 .63	45	207	.431	.101	- .231	- .958	
108	.112	.185	.658	- .521	45	158	.314	.076	.070	- .714	45	208	.459	.105	- .231	- .987	
109	.185	.168	.676	- .315	45	159	.303	.057	.097	- .503	45	209	.464	.111	- .094	- .069	
110	.124	.143	.671	- .401	45	160	.322	.056	.107	- .515	45	210	.498	.147	- .056	- .444	
111	.059	.123	.479	- .320	45	161	.401	.056	.212	- .595	45	211	.474	.154	- .146	- .280	
112	.023	.106	.362	- .334	45	162	.529	.182	.091	-1 .52	45	212	.498	.151	- .204	- .325	
113	- .009	.105	.338	- .389	45	163	.322	.045	.182	- .572	45	213	.422	.135	- .013	- .100	
114	- .107	.085	.237	- .383	45	164	.461	.189	.163	-1 .94	45	214	.409	.155	- .054	- .043	
115	- .079	.193	.779	- .561	45	165	.068	.079	.176	- .515	45	215	.536	.148	- .164	- .663	
116	- .075	.079	.360	-1 .731	45	166	.090	.058	.156	- .249	45	216	.421	.134	- .102	- .109	
117	- .363	.118	.536	- .842	45	167	.153	.050	.035	- .328	45	217	.297	.097	- .058	- .872	
118	.171	.130	.584	- .320	45	168	.331	.055	.098	- .618	45	218	.292	.092	.011	.790	
119	.437	.158	.986	- .630	45	169	.276	.167	.251	- .887	45	219	.372	.098	- .078	- .082	
120	.388	.132	.778	- .669	45	170	.024	.066	.242	- .251	45	220	.198	.041	- .060	- .424	
121	.083	.099	.501	- .294	45	171	.062	.057	.155	- .219	45	221	.240	.032	- .123	- .397	
122	- .432	.092	- .130	- .753	45	172	.145	.055	.061	- .361	45	222	.281	.041	- .132	- .428	
123	- .119	.108	.335	- .409	45	173	.314	.073	.128	- .680	45	223	.199	.086	.084	.617	
124	.181	.169	.706	- .346	45	174	.181	.141	.272	- .731	45	224	.189	.040	.004	.342	
125	.325	.145	.818	- .305	45	175	.016	.064	.226	- .277	45	225	.164	.067	.022	.417	
126	.151	.098	.538	- .262	45	176	.051	.061	.226	- .361	45	226	.125	.038	.074	.245	
127	.280	.127	.703	- .294	45	177	.114	.054	.160	- .372	45	228	.177	.034	.031	.297	
128	.313	.148	.803	- .272	45	178	.315	.083	.044	- .744	45	229	.193	.034	.049	.308	
129	.316	.156	.828	- .198	45	179	.023	.074	.258	- .328	45	230	.373	.083	.079	.674	
130	.302	.138	.766	- .160	45	180	.003	.067	.319	- .296	45	231	.000	.000	.000	.000	
131	.231	.105	.628	- .219	45	181	.019	.058	.278	- .253	45	232	.415	.055	.244	.616	
132	.293	.158	.831	- .286	45	182	.076	.052	.191	- .284	45	233	.386	.072	.002	.729	

APPENDIX A -- PRESSURE DATA:

HINES ONE BUILDING -- MINNEAPOLIS , MINNESOTA

UD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	UD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	UD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
45	234	- .461	.056	- .259	- .704	45	320	- .473	.064	- .286	- .748	45	370	- .485	.108	- .200	- 1.150
45	235	- .447	.052	- .302	- .647	45	321	- .518	.085	- .273	- .910	45	371	- .302	.085	- .058	- .741
45	236	- .461	.056	- .294	- .803	45	322	- .467	.120	- .157	- 1.125	45	372	- .290	.141	- .012	- 1.379
45	237	- .000	.000	- .000	- .000	45	323	- .458	.092	- .102	- .920	45	373	- .490	.114	- .053	- .899
45	238	- .430	.050	- .229	- .625	45	324	- .434	.067	- .221	- .711	45	374	- .445	.134	- .272	- .328
45	239	- .462	.060	- .161	- .796	45	325	- .485	.120	- .185	- .898	45	375	- .493	.102	- .228	- .891
45	240	- .425	.069	- .216	- .757	45	326	- .478	.102	- .235	- .929	45	376	- .224	.134	- .104	- .363
45	241	- .000	.000	- .000	- .000	45	327	- .395	.113	- .087	- 1.152	45	377	- .084	.083	- .296	- .375
45	242	- .436	.050	- .287	- .706	45	328	- .354	.119	- .093	- .858	45	378	- .071	.075	- .228	- .337
45	243	- .417	.057	- .198	- .672	45	329	- .354	.099	- .107	- .934	45	379	- .071	.075	- .228	- .342
45	244	- .424	.058	- .195	- .672	45	330	- .341	.065	- .145	- .934	45	380	- .075	.080	- .275	- .342
45	245	- .429	.070	- .149	- .729	45	331	- .312	.070	- .117	- .660	45	382	- .003	.104	- .448	- .264
45	246	- .278	.040	- .118	- .421	45	332	- .329	.120	- .086	- 1.009	45	383	- .142	.103	- .238	- .507
45	247	- .393	.043	- .235	- .532	45	333	- .314	.113	- .104	- 1.074	45	384	- .148	.066	- .110	- .398
45	248	- .319	.037	- .186	- .460	45	334	- .546	.147	- .146	- 1.223	45	385	- .041	.098	- .379	- .289
45	249	- .406	.043	- .287	- .577	45	335	- .574	.157	- .149	- 1.336	45	386	- .170	.116	- .408	- .543
45	250	- .340	.042	- .174	- .484	45	336	- .575	.160	- .083	- 1.436	45	387	- .149	.064	- .086	- .329
45	251	- .364	.040	- .219	- .495	45	337	- .575	.136	- .267	- 1.995	45	388	- .085	.103	- .368	- .300
45	252	- .257	.038	- .057	- .361	45	338	- .550	.117	- .269	- 1.255	45	389	- .194	.094	- .155	- .463
45	253	- .352	.042	- .193	- .494	45	339	- .567	.131	- .137	- 1.74	45	390	- .160	.058	- .079	- .466
45	254	- .472	.059	- .310	- .741	45	340	- .486	.098	- .266	- 1.063	45	391	- .123	.073	- .156	- .318
45	255	- .455	.053	- .302	- .711	45	341	- .578	.108	- .221	- 1.042	45	392	- .220	.093	- .283	- .560
45	256	- .000	.000	- .000	- .000	45	342	- .573	.103	- .199	- 1.980	45	393	- .130	.083	- .259	- .317
45	257	- .474	.058	- .299	- .724	45	343	- .601	.116	- .297	- 1.985	45	394	- .228	.081	- .058	- .515
45	258	- .444	.053	- .236	- .710	45	344	- .573	.116	- .259	- 1.128	45	395	- .163	.071	- .133	- .427
45	259	- .441	.053	- .219	- .633	45	345	- .553	.113	- .189	- 1.778	45	396	- .174	.080	- .056	- .881
45	260	- .412	.055	- .149	- .609	45	346	- .488	.107	- .199	- 1.005	45	397	- .111	.068	- .157	- .516
45	261	- .441	.051	- .301	- .648	45	347	- .582	.093	- .323	- 1.974	45	398	- .078	.065	- .130	- .394
45	262	- .385	.049	- .212	- .587	45	348	- .659	.117	- .252	- 1.151	45	399	- .099	.074	- .156	- .325
45	263	- .379	.045	- .179	- .524	45	349	- .739	.144	- .327	- 1.206	45	400	- .033	.065	- .155	- .251
45	264	- .423	.053	- .218	- .586	45	350	- .814	.210	- .313	- 1.728	45	401	- .083	.067	- .143	- .301
45	301	- .616	.110	- .281	- 1.180	45	351	- .348	.098	- .089	- 1.757	45	402	- .021	.055	- .213	- .197
45	302	- .706	.101	- .236	- 1.068	45	352	- .872	.233	- .269	- 1.820	45	403	- .076	.073	- .145	- .308
45	303	- .749	.119	- .365	- 1.287	45	353	- .348	.101	- .113	- 1.867	45	404	- .127	.147	- .318	- .520
45	304	- .541	.094	- .212	- .872	45	354	- .367	.081	- .100	- 1.768	45	405	- .162	.075	- .088	- .386
45	305	- .564	.125	- .181	- 1.186	45	355	- .173	.046	- .014	- 1.336	45	406	- .132	.064	- .114	- .357
45	306	- .419	.068	- .083	- .680	45	356	- .573	.128	- .225	- 1.440	45	407	- .164	.126	- .493	- .621
45	307	- .400	.070	- .044	- .669	45	357	- .925	.218	- .309	- 1.805	45	408	- .180	.131	- .253	- .586
45	308	- .433	.057	- .191	- .690	45	358	- .504	.075	- .211	- 1.818	45	409	- .155	.071	- .097	- .405
45	309	- .429	.071	- .169	- 1.014	45	359	- .459	.073	- .042	- 1.706	45	410	- .134	.062	- .083	- .524
45	310	- .431	.073	- .159	- 1.014	45	360	- .448	.076	- .000	- 1.703	45	411	- .190	.110	- .227	- .528
45	311	- .422	.078	- .102	- 1.605	45	361	- .440	.089	- .081	- 1.855	45	412	- .168	.107	- .178	- .696
45	312	- .425	.088	- .179	- 1.381	45	362	- .741	.235	- .171	- 1.573	45	413	- .156	.058	- .053	- .317
45	313	- .443	.124	- .118	- 1.253	45	363	- .457	.279	- .192	- 1.901	45	414	- .162	.110	- .260	- .570
45	314	- .493	.123	- .143	- 1.014	45	364	- .747	.283	- .157	- 1.561	45	415	- .135	.068	- .133	- .301
45	315	- .450	.059	- .250	- .790	45	365	- .514	.082	- .320	- 1.774	45	501	- .553	.116	- .123	- .960
45	316	- .496	.095	- .174	- .881	45	366	- .406	.068	- .142	- 1.667	45	502	- .553	.113	- .164	- .994
45	317	- .268	.057	- .065	- .530	45	367	- .640	.265	- .005	- 1.153	45	503	- .565	.183	- .112	- .263
45	318	- .451	.063	- .277	- .795	45	368	- .659	.120	- .259	- 1.084	45	504	- .737	.139	- .276	- .568
45	319	- .430	.053	- .241	- .716	45	369	- .659	.120	- .259	- 1.084	45	505	- .739	.141	- .366	- .544

APPENDIX A -- PRESSURE DATA:

HINES ONE BUILDING -- MINNEAPOLIS , MINNESOTA

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
45	506	- .693	.126	- .286	- 1.160	45	556	- .767	.203	- .258	- 2.182	45	609	- .175	.061	- .115	- .338
45	507	- .683	.131	- .277	- 1.189	45	557	- .569	.107	- .294	- 1.976	45	610	- .200	.045	- .060	- .388
45	508	- .431	.089	- .127	- .794	45	558	- .588	.107	- .302	- 1.105	45	611	- .000	.000	- .000	- .000
45	509	- .390	.103	- .009	- .749	45	559	- .629	.128	- .293	- 1.189	45	612	- .204	.047	- .002	- .354
45	510	- .354	.091	- .097	- .798	45	560	- .683	.128	- .322	- 1.282	45	613	- .187	.045	- .037	- .386
45	511	- .449	.092	- .105	- .782	45	561	- .544	.077	- .325	- 1.435	45	614	- .184	.048	- .046	- .379
45	512	- .481	.089	- .167	- .834	45	562	- .547	.096	- .309	- 1.847	45	701	- .405	.056	- .220	- .628
45	513	- .499	.092	- .192	- .881	45	563	- .595	.106	- .350	- 1.979	45	702	- .420	.049	- .302	- .628
45	514	- .519	.099	- .210	- .976	45	564	- .634	.130	- .311	- 1.208	45	703	- .413	.052	- .203	- .661
45	515	- .395	.061	- .105	- .668	45	565	- .710	.157	- .332	- 1.405	45	704	- .416	.049	- .276	- .646
45	516	- .402	.085	- .143	- .932	45	566	- .596	.080	- .395	- 1.884	45	705	- .372	.054	- .053	- .594
45	517	- .425	.060	- .262	- .761	45	567	- .538	.086	- .308	- 1.831	45	706	- .403	.055	- .200	- .612
45	518	- .418	.045	- .251	- .616	45	568	- .482	.078	- .262	- 1.853	45	707	- .422	.052	- .263	- .628
45	519	- .436	.059	- .263	- .709	45	569	- .684	.076	- .276	- 1.883	45	708	- .413	.052	- .228	- .638
45	520	- .519	.082	- .294	- 1.078	45	570	- .616	.137	- .263	- 1.291	45	709	- .423	.051	- .208	- .685
45	521	- .542	.102	- .278	- 1.120	45	571	- .475	.062	- .275	- 1.735	45	710	- .433	.049	- .275	- .615
45	522	- .407	.083	- .145	- .789	45	572	- .364	.063	- 1.48	- 1.647	45	711	- .427	.057	- .198	- .686
45	523	- .400	.059	- .193	- .658	45	573	- .351	.059	- 1.80	- 1.600	45	712	- .435	.053	- .270	- .634
45	524	- .470	.053	- .233	- .676	45	574	- .330	.060	- 1.35	- 1.630	45	713	- .345	.073	- .086	- .623
45	525	- .550	.089	- .304	- 1.002	45	575	- .343	.060	- 1.43	- 1.679	45	714	- .355	.070	- .115	- .626
45	526	- .376	.086	- .328	- .962	45	576	- .423	.052	- 2.04	- 1.650	45	715	- .409	.056	- .223	- .648
45	527	- .582	.097	- .323	- 1.982	45	577	- .161	.054	- 2.04	- 1.372	45	716	- .381	.058	- .187	- .603
45	528	- .358	.079	- .331	- 1.054	45	578	- .149	.066	- 1.62	- 1.359	45	717	- .391	.069	- .124	- .723
45	529	- .349	.083	- .297	- 1.925	45	579	- .158	.051	- 1.50	- 1.336	45	718	- .419	.063	- .155	- .670
45	530	- .378	.083	- .344	- .897	45	580	- .193	.061	- 1.41	- 1.412	45	719	- .405	.068	- .121	- .687
45	531	- .528	.078	- .293	- .821	45	581	- .638	.135	- 1.61	- 1.214	45	720	- .382	.061	- .171	- .719
45	532	- .595	.083	- .329	- 1.993	45	582	- .607	.174	- 2.222	- 1.297	45	721	- .398	.049	- .189	- .552
45	533	- .595	.093	- .350	- 1.027	45	583	- .739	.221	- 2.88	- 1.618	45	722	- .395	.052	- .176	- .575
45	534	- .601	.092	- .353	- .953	45	584	- .858	.236	- 1.06	- 1.907	45	723	- .332	.043	- .156	- .473
45	535	- .333	.100	- .021	- .833	45	585	- .436	.391	- 1.473	- 2.767	45	724	- .396	.046	- .255	- .619
45	536	- .353	.072	- .113	- .672	45	586	- .653	.134	- 1.301	- 1.364	45	725	- .420	.050	- .224	- .663
45	537	- .403	.053	- .227	- .652	45	587	- .737	.195	- 1.91	- 1.941	45	726	- .401	.056	- .183	- .626
45	538	- .524	.059	- .360	- .734	45	588	- .831	.249	- 1.40	- 1.981	45	727	- .328	.062	- .105	- .585
45	539	- .684	.087	- .463	- 1.023	45	589	- .715	.185	- 2.41	- 1.585	45	728	- .328	.062	- .105	- .533
45	540	- .339	.108	- .049	- 1.038	45	590	- .806	.210	- 1.82	- 1.535	45	729	- .361	.051	- .206	- .408
45	541	- .363	.079	- .111	- .656	45	591	- .111	.201	- 1.06	- 1.238	45	730	- .336	.051	- .037	- .516
45	542	- .418	.056	- .201	- .641	45	592	- .770	.201	- 0.88	- 1.977	45	731	- .336	.054	- .131	- .485
45	543	- .480	.058	- .312	- .726	45	593	- .883	.170	- 3.48	- 1.788	45	732	- .301	.049	- .110	- .319
45	544	- .630	.088	- .383	- 1.007	45	594	- .848	.115	- 1.10	- 1.207	45	733	- .138	.053	- .097	- .355
45	545	- .349	.082	- .035	- .684	45	595	- .502	.199	- 0.21	- 1.529	45	734	- .184	.048	- .012	- .346
45	546	- .387	.077	- .145	- .653	45	596	- .522	.199	- 0.21	- 1.529	45	735	- .174	.046	- .063	- .384
45	547	- .440	.053	- .312	- .679	45	597	- .806	.306	- 0.28	- 2.06	45	736	- .179	.051	- .052	- .352
45	548	- .409	.050	- .272	- .594	45	598	- .836	.244	- 2.83	- 1.124	45	737	- .171	.047	- .005	- .346
45	549	- .360	.048	- .197	- .543	45	599	- .315	.067	- 0.97	- 1.678	45	738	- .163	.047	- .039	- .322
45	550	- .557	.126	- .201	- 1.419	45	600	- .300	.070	- 0.21	- 1.655	45	739	- .171	.046	- .044	- .301
45	551	- .583	.129	- .214	- 1.100	45	601	- .360	.057	- 0.90	- 1.542	45	740	- .109	.035	- .007	- .213
45	552	- .658	.142	- .228	- 1.259	45	602	- .406	.179	- 0.83	- 1.222	45	741	- .135	.052	- .065	- .301
45	553	- .689	.164	- .195	- 1.305	45	603	- .229	.092	- 1.66	- 1.626	45	742	- .166	.049	- .035	- .313
45	554	- .800	.210	- .247	- 2.097	45	604	- .230	.069	- 0.71	- 1.462	45	743	- .165	.047	- .014	- .313
45	555	- .364	.138	- .126	- 1.396	45	605	- .225	.057	- 0.32	- 1.697	45	744	- .171	.046	- .023	- .309

APPENDIX A -- PRESSURE DATA: MINES ONE BUILDING -- MINNEAPOLIS, MINNESOTA

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
45	745	- .167	.045	- .023	- .319	45	841	- .016	.030	.082	- .147	60	127	- .054	.182	.340	- .557
45	746	- .413	.066	- .079	- .907	45	842	- .439	.073	.085	- .723	60	128	- .037	.161	.544	- .491
45	747	- .047	- .016	- .369	45	843	- .423	.115	.048	- .876	60	130	- .009	.176	.655	- .433	
45	748	- .177	.064	.061	- .344	45	844	- .000	.000	.000	- .000	60	131	- .030	.158	.589	- .454
45	749	- .172	.060	.051	- .328	45	845	- .463	.061	.267	- .787	60	132	- .058	.159	.592	- .530
45	750	- .124	.082	.204	- .343	45	846	- .446	.060	.254	- .809	60	133	- .076	.191	.568	- .615
45	751	- .224	.058	.012	- .423	45	847	- .434	.064	.238	- .899	60	134	- .152	.193	.483	- .729
45	752	- .061	.090	.396	- .321	45	848	- .444	.073	.240	- .849	60	135	- .196	.106	.105	- .618
45	753	- .102	.086	.296	- .333	45	849	- .472	.060	.277	- .730	60	136	- .143	.086	.139	- .740
45	754	- .127	.076	.274	- .364	45	850	- .449	.067	.231	- .804	60	137	- .120	.105	.522	- .613
45	801	- .410	.116	- .058	- .806	45	851	- .474	.074	.165	- .924	60	138	- .115	.113	.392	- .587
45	802	- .475	.071	- .182	- .793	45	852	- .459	.077	.153	- .984	60	139	- .200	.122	.288	- .622
45	803	- .386	.085	- .063	- .633	45	853	- .403	.078	.130	- .772	60	140	- .196	.110	.155	- .655
45	804	- .659	.134	- .225	- .1	45	854	- .423	.071	.154	- .852	60	141	- .151	.070	.080	- .529
45	805	- .617	.123	- .261	- .1	45	855	- .370	.111	.073	- .684	60	142	- .160	.063	.064	- .532
45	806	- .741	.137	- .242	- .1	45	856	- .335	.091	.019	- .621	60	143	- .178	.066	.040	- .758
45	807	- .804	.129	- .387	- .1	45	857	- .323	.081	.021	- .651	60	144	- .223	.061	.014	- .678
45	808	- .128	.182	.731	- .501	45	858	- .355	.069	.048	- .651	60	145	- .223	.075	.061	- .606
45	809	- .071	.173	.563	- .617	45	859	- .396	.073	.120	- .858	60	146	- .203	.073	.069	- .447
45	810	- .222	.137	.335	- .765	45	860	- .61	.374	.061	- .122	60	147	- .167	.032	.035	- .344
45	811	- .330	.106	.998	- .661	45	861	- .374	.060	.108	- .615	60	148	- .162	.040	.005	- .349
45	812	- .445	.090	- .073	- .728	45	862	- .367	.060	.142	- .642	60	149	- .176	.036	.028	- .395
45	813	- .509	.085	- .115	- .850	45	863	- .358	.066	.142	- .642	60	150	- .182	.073	.095	- .592
45	814	- .543	.068	- .347	- .865	45	864	- .380	.071	.136	- .709	60	151	- .169	.038	.013	- .405
45	815	- .195	.187	.788	- .373	60	101	- .612	.109	.299	- .151	60	152	- .168	.092	.247	- .683
45	816	- .521	.063	- .333	- .822	60	102	- .785	.113	.417	- .126	60	153	- .154	.081	.259	- .442
45	817	- .149	.118	.685	- .210	60	103	- .813	.114	.461	- .123	60	154	- .124	.065	.273	- .410
45	818	- .049	.125	.530	- .401	60	104	- .390	.142	.058	- .100	60	155	- .130	.050	.127	- .283
45	819	- .181	.069	.071	- .473	60	105	- .341	.152	.185	- .971	60	156	- .142	.040	.186	- .270
45	820	- .381	.054	- .224	- .610	60	106	- .621	.144	.128	- .169	60	157	- .882	.227	.307	- .833
45	821	- .347	.088	- .294	- .892	60	107	- .394	.101	.126	- .922	60	158	- .447	.113	.180	- .245
45	822	- .110	.147	.393	- .757	60	108	- .328	.171	.845	- .398	60	159	- .330	.066	.095	- .720
45	823	- .630	.136	.605	- .448	60	109	- .172	.147	.699	- .434	60	160	- .282	.058	.080	- .599
45	824	- .133	.067	.124	- .342	60	110	- .115	.142	.589	- .362	60	161	- .310	.061	.128	- .621
45	825	- .093	.082	.260	- .353	60	111	- .056	.137	.604	- .445	60	162	- .807	.205	.124	- .624
45	826	- .010	.114	.422	- .337	60	112	- .116	.574	.389	- .607	60	163	- .290	.049	.150	- .590
45	827	- .541	.086	- .317	- .1	60	113	- .015	.112	.372	- .480	60	164	- .766	.247	.058	- .731
45	828	- .550	.085	- .254	- .960	60	114	- .197	.080	.121	- .600	60	165	- .286	.149	.023	- .109
45	829	- .527	.073	- .330	- .890	60	115	- .430	.249	.160	- .510	60	166	- .223	.069	.035	- .620
45	830	- .508	.063	- .331	- .817	60	116	- .081	.080	.178	- .433	60	167	- .321	.049	.083	- .467
45	831	- .499	.071	- .286	- .813	60	117	- .227	.275	.1099	- .543	60	168	- .425	.064	.168	- .322
45	832	- .530	.076	- .567	- .984	60	118	- .145	.135	.669	- .286	60	169	- .425	.212	.220	- .322
45	833	- .504	.068	- .302	- .846	60	119	- .188	.160	.863	- .157	60	170	- .215	.130	.145	- .900
45	834	- .684	.174	- .262	- .1	60	120	- .178	.175	.752	- .298	60	171	- .195	.079	.044	- .530
45	835	- .567	.106	- .234	- .1	60	121	- .147	.152	.309	- .781	60	172	- .230	.061	.026	- .503
45	836	- .501	.068	- .229	- .805	60	122	- .200	.151	.422	- .880	60	173	- .328	.083	.133	- .683
45	837	- .000	.600	- .000	- .000	60	123	- .151	.094	.227	- .728	60	174	- .342	.124	.157	- .880
45	838	- .508	.079	- .202	- .877	60	124	- .074	.092	.382	- .366	60	175	- .223	.084	.120	- .717
45	839	- .000	.000	- .000	- .000	60	125	- .019	.175	.601	- .458	60	176	- .220	.075	.068	- .618
45	840	- .000	.000	- .000	- .000	60	126	- .121	.174	.371	- .719	60	177	- .220	.075	.068	- .618

APPENDIX A -- PRESSURE DATA:

HINES ONE BUILDING -- MINNEAPOLIS , MINNESOTA

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
60	177	- .230	.060	- .005	- .541	60	228	- .238	.039	- .064	- .402	60	314	- .428	.068	- .207	- .742
60	178	- .329	.076	- .136	- .693	60	229	- .243	.039	- .084	- .413	60	315	- .424	.053	- .278	- .874
60	179	- .299	.083	- .009	- .648	60	230	- .363	.061	- .119	- .586	60	316	- .424	.067	- .227	- .721
60	180	- .229	.052	- .047	- .513	60	231	- .000	.000	- .000	- .000	60	317	- .418	.044	- .053	- .479
60	181	- .226	.045	- .066	- .435	60	232	- .360	.045	- .167	- .519	60	318	- .444	.044	- .291	- .657
60	182	- .294	.049	- .123	- .500	60	233	- .354	.066	- .034	- .613	60	319	- .415	.047	- .271	- .728
60	183	- .265	.066	- .033	- .700	60	234	- .397	.047	- .270	- .625	60	320	- .412	.063	- .154	- .808
60	184	- .264	.065	- .041	- .692	60	235	- .307	.042	- .208	- .527	60	321	- .476	.070	- .134	- .763
60	185	- .265	.065	- .039	- .700	60	236	- .408	.057	- .192	- .750	60	322	- .447	.073	- .179	- .939
60	186	- .266	.066	- .044	- .705	60	237	- .000	.000	- .000	- .000	60	323	- .394	.055	- .232	- .867
60	187	- .300	.047	- .086	- .554	60	238	- .360	.041	- .208	- .495	60	324	- .368	.073	- .169	- 1.186
60	188	- .188	.050	- .035	- .482	60	239	- .388	.062	- .130	- .835	60	325	- .364	.067	- .153	- .824
60	189	- .225	.048	- .020	- .430	60	240	- .379	.044	- .222	- .561	60	326	- .351	.080	- .157	- .778
60	190	- .125	.050	- .007	- .430	60	241	- .000	.000	- .000	- .000	60	327	- .265	.064	- .081	- .745
60	192	- .156	.044	- .035	- .579	60	242	- .376	.048	- .190	- .591	60	328	- .308	.069	- .107	- .689
60	193	- .160	.040	- .002	- .338	60	243	- .364	.042	- .160	- .509	60	329	- .301	.059	- .127	- .642
60	194	- .160	.041	- .029	- .313	60	244	- .367	.050	- .183	- .789	60	330	- .279	.061	- .127	- .715
60	195	- .339	.062	- .100	- .641	60	245	- .368	.045	- .177	- .524	60	331	- .276	.072	- .007	- .745
60	196	- .381	.100	- .166	- .1078	60	246	- .303	.035	- .165	- .456	60	332	- .258	.068	- .054	- 1.160
60	197	- .368	.110	- .100	- .987	60	247	- .357	.038	- .203	- .573	60	333	- .430	.072	- .144	- .904
60	198	- .360	.102	- .073	- .009	60	248	- .324	.037	- .165	- .460	60	334	- .489	.082	- .227	- .865
60	199	- .316	.096	- .049	- .820	60	249	- .357	.040	- .222	- .526	60	335	- .571	.099	- .186	- .998
60	200	- .320	.092	- .066	- .815	60	250	- .321	.038	- .183	- .444	60	336	- .690	.103	- .357	- 1.158
60	201	- .326	.072	- .169	- .943	60	251	- .331	.034	- .171	- .468	60	337	- .907	.193	- .403	- 1.655
60	202	- .330	.076	- .114	- .746	60	252	- .279	.036	- .108	- .414	60	338	- .437	.070	- .222	- .792
60	203	- .363	.082	- .170	- .795	60	253	- .318	.033	- .202	- .431	60	339	- .891	.211	- .371	- 1.726
60	204	- .383	.084	- .161	- .813	60	254	- .404	.053	- .234	- .735	60	340	- .439	.079	- .134	- .817
60	205	- .398	.093	- .164	- .867	60	255	- .397	.042	- .258	- .566	60	341	- .486	.087	- .148	- .852
60	206	- .436	.109	- .180	- .020	60	256	- .000	.000	- .000	- .000	60	342	- .583	.102	- .236	- 1.038
60	207	- .420	.136	- .095	- .158	60	257	- .410	.057	- .236	- .694	60	343	- .704	.134	- .270	- 1.290
60	208	- .444	.136	- .113	- .127	60	258	- .380	.049	- .236	- .680	60	344	- .959	.249	- .357	- 1.921
60	209	- .419	.147	- .089	- .107	60	259	- .381	.046	- .253	- .616	60	345	- .376	.065	- .094	- .711
60	210	- .432	.173	- .134	- .363	60	260	- .358	.043	- .183	- .506	60	346	- .459	.070	- .243	- .830
60	211	- .394	.144	- .104	- .180	60	261	- .373	.045	- .252	- .588	60	347	- .545	.094	- .228	- 1.012
60	212	- .295	.127	- .080	- .087	60	262	- .334	.042	- .183	- .530	60	348	- .700	.134	- .317	- .254
60	213	- .295	.107	- .018	- .025	60	263	- .330	.038	- .185	- .460	60	349	- .289	.057	- .238	- 2.070
60	214	- .327	.113	- .002	- .993	60	264	- .353	.044	- .182	- .506	60	350	- .092	.201	- .482	- 1.925
60	215	- .374	.098	- .166	- .972	60	265	- .601	.124	- .301	- .360	60	351	- .027	.107	- .118	- .582
60	216	- .319	.072	- .141	- .924	60	266	- .760	.099	- .335	- .257	60	352	- .277	.060	- .116	- .606
60	217	- .267	.053	- .093	- .601	60	267	- .521	.093	- .094	- .024	60	353	- .309	.054	- .176	- .319
60	218	- .293	.064	- .069	- .672	60	268	- .457	.083	- .211	- .902	60	354	- .044	.063	- .120	- .203
60	219	- .329	.064	- .108	- .658	60	269	- .384	.075	- .021	- .657	60	355	- .545	.131	- .120	- .754
60	220	- .276	.046	- .130	- .491	60	270	- .363	.074	- .129	- .623	60	356	- .658	.227	- .371	- .818
60	221	- .307	.036	- .113	- .422	60	271	- .422	.057	- .234	- .823	60	357	- .526	.107	- .054	- .752
60	222	- .312	.068	- .049	- .636	60	272	- .424	.067	- .235	- .043	60	358	- .375	.118	- .139	- .761
60	223	- .309	.039	- .131	- .443	60	273	- .408	.065	- .205	- .929	60	359	- .346	.139	- .306	- 1.005
60	224	- .248	.077	- .095	- .788	60	274	- .411	.069	- .187	- .934	60	360	- .436	.301	- .438	- 1.667
60	225	- .309	.039	- .094	- .508	60	275	- .405	.068	- .209	- .672	60	361	- .519	.115	- .031	- .904

APPENDIX A -- PRESSURE DATA:

HINES ONE BUILDING -- MINNEAPOLIS , MINNESOTA

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
60	364	-.292	.342	.549	-.1507	60	415	-.079	.069	.171	-.352	60	550	-.481	.105	-.179	-.949
60	365	-.564	.092	-.207	-.857	60	501	-.224	.093	.072	-.556	60	551	-.607	.144	-.241	-.156
60	366	-.257	.141	.381	-.657	60	502	-.371	.076	-.021	-.630	60	552	-.739	.162	-.317	-.269
60	367	-.115	.168	.439	-.1369	60	503	-.263	.131	.274	-.170	60	553	-.795	.145	-.294	-.355
60	368	-.231	.307	.441	-.1714	60	504	-.713	.141	.169	-.135	60	554	-.859	.176	-.349	-.790
60	369	-.582	.118	-.167	-.1050	60	505	-.725	.133	.264	-.135	60	555	-.448	.098	-.132	-.014
60	370	-.221	.132	.272	-.704	60	506	-.625	.143	-.205	-.179	60	556	-.841	.172	-.368	-.710
60	371	-.033	.135	.580	-.672	60	507	-.424	.107	-.179	-.928	60	557	-.553	.152	-.132	-.063
60	372	-.024	.151	.451	-.1209	60	508	-.309	.074	-.091	-.654	60	558	-.619	.148	-.083	-.112
60	373	-.462	.146	.134	-.1166	60	509	-.297	.072	-.065	-.658	60	559	-.723	.169	-.137	-.307
60	374	-.118	.117	.558	-.236	60	510	-.327	.071	-.117	-.768	60	560	-.785	.160	-.368	-.424
60	375	-.421	.149	.341	-.869	60	511	-.354	.079	-.137	-.768	60	561	-.757	.149	-.405	-.603
60	376	-.076	.137	.634	-.460	60	512	-.448	.139	-.134	-.241	60	562	-.508	.080	-.251	-.837
60	378	.097	.116	.657	-.311	60	513	-.442	.110	-.107	-.056	60	563	-.466	.096	-.174	-.954
60	379	-.114	.109	.539	-.298	60	514	-.425	.084	-.170	-.958	60	564	-.533	.144	-.185	-.302
60	380	-.132	.127	.414	-.625	60	515	-.313	.053	-.121	-.543	60	565	-.653	.205	-.146	-.529
60	381	-.059	.087	.506	-.311	60	516	-.326	.071	-.113	-.633	60	566	-.875	.222	-.315	-.823
60	382	-.020	.096	.636	-.254	60	517	-.372	.063	-.197	-.739	60	567	-.571	.076	-.364	-.70
60	383	-.147	.114	.300	-.581	60	518	-.372	.054	-.175	-.584	60	568	-.423	.064	-.206	-.755
60	384	-.092	.076	.303	-.374	60	519	-.425	.070	-.227	-.780	60	569	-.357	.071	-.095	-.623
60	385	-.053	.080	.485	-.315	60	520	-.480	.082	-.150	-.880	60	570	-.338	.076	-.062	-.883
60	386	-.110	.070	.172	-.422	60	521	-.502	.109	-.130	-.968	60	571	-.480	.145	-.086	-.411
60	387	-.080	.061	.241	-.298	60	522	-.341	.091	-.051	-.809	60	572	-.445	.066	-.239	-.736
60	388	-.039	.063	.299	-.219	60	523	-.333	.062	-.144	-.652	60	573	-.248	.057	-.012	-.604
60	389	-.115	.077	.148	-.436	60	524	-.423	.070	-.211	-.819	60	574	-.198	.051	-.002	-.423
60	390	-.078	.071	.219	-.307	60	525	-.547	.105	-.236	-.191	60	575	-.180	.054	-.007	-.404
60	391	-.057	.061	.263	-.213	60	526	-.547	.091	-.292	-.000	60	576	-.251	.094	-.033	-.715
60	392	-.100	.062	.193	-.364	60	527	-.562	.102	-.285	-.237	60	577	-.385	.057	-.212	-.663
60	393	-.042	.061	.308	-.209	60	528	-.568	.108	-.300	-.025	60	578	-.083	.051	-.161	-.236
60	394	-.100	.068	.144	-.410	60	529	-.554	.109	-.269	-.216	60	579	-.088	.055	-.172	-.247
60	395	-.078	.064	.258	-.333	60	530	-.566	.101	-.269	-.296	60	580	-.057	.054	-.144	-.301
60	396	-.009	.085	.353	-.508	60	531	-.501	.092	-.234	-.109	60	581	-.059	.082	-.334	-.444
60	397	-.004	.062	.230	-.369	60	532	-.595	.112	-.317	-.297	60	582	-.476	.074	-.250	-.810
60	398	-.063	.072	.366	-.305	60	533	-.600	.120	-.220	-.186	60	583	-.293	.055	-.044	-.483
60	399	-.008	.055	.197	-.213	60	534	-.589	.110	-.257	-.078	60	584	-.2279	.065	-.016	-.671
60	400	-.091	.065	.364	-.110	60	535	-.275	.089	-.007	-.682	60	585	-.230	.116	-.055	-.371
60	401	-.029	.049	.218	-.155	60	536	-.306	.066	-.103	-.607	60	586	-.486	.281	-.293	-.226
60	402	-.128	.077	.412	-.086	60	537	-.359	.056	-.174	-.588	60	587	-.512	.093	-.224	-.849
60	403	-.007	.045	.197	-.124	60	538	-.564	.113	-.317	-.207	60	588	-.503	.099	-.206	-.984
60	404	-.129	.106	.284	-.679	60	539	-.729	.114	-.388	-.348	60	589	-.235	.110	-.141	-.876
60	405	-.080	.073	.244	-.411	60	540	-.390	.095	-.117	-.941	60	590	-.074	.293	-.527	-.564
60	406	-.040	.062	.262	-.361	60	541	-.375	.066	-.125	-.686	60	591	-.527	.097	-.181	-.975
60	407	-.109	.082	.333	-.525	60	542	-.397	.058	-.221	-.664	60	592	-.239	.114	-.070	-.819
60	408	-.114	.063	.125	-.409	60	543	-.420	.062	-.267	-.771	60	593	-.132	.247	-.453	-.195
60	409	-.093	.063	.130	-.205	60	544	-.743	.103	-.436	-.224	60	594	-.145	.295	-.765	-.173
60	410	-.042	.058	.193	-.259	60	545	-.360	.057	-.118	-.637	60	595	-.309	.084	-.016	-.698
60	411	-.098	.054	.143	-.323	60	546	-.360	.056	-.687	-.563	60	596	-.204	.100	-.109	-.536
60	412	-.079	.052	.113	-.306	60	547	-.387	.043	-.211	-.587	60	597	-.199	.150	-.446	-.433
60	413	-.056	.055	.137	-.232	60	548	-.361	.040	-.223	-.537	60	598	-.204	.167	-.425	-.166
60	414	-.057	.049	.100	-.221	60	549	-.310	.041	-.188	-.472	60	599	-.145	.070	-.153	-.442

APPENDIX A -- PRESSURE DATA:

HINES ONE BUILDING -- MINNEAPOLIS , MINNESOTA

UD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	UD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	UD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	
600	602	- .089	.083	.363	- .467	60	739	- .082	.061	.127	- .307	60	835	- .497	.129	- .177	- .142	
600	603	- .075	.090	.476	- .566	60	740	- .012	.032	.127	- .101	60	836	- .436	.072	- .212	- .814	
600	604	- .103	.097	.267	- 1	310	60	741	- .001	.064	.257	- .223	60	837	- .000	.000	- .000	- .000
600	605	- .090	.074	.428	- .307	60	742	- .047	.062	.284	- .252	60	838	- .442	.065	- .175	- .786	
600	606	- .010	.065	.363	- .236	60	743	- .029	.058	.225	- .216	60	839	- .000	.000	- .000	- .000	
600	607	- .087	.053	.146	- .299	60	744	- .048	.054	.209	- .261	60	840	- .000	.000	- .000	- .000	
600	608	- .033	.056	.167	- .240	60	745	- .067	.064	.216	- .346	60	841	- .005	.025	- .092	- .098	
600	609	- .058	.058	.177	- .268	60	746	- .358	.070	- .098	- .843	60	842	- .382	.058	- .135	- .553	
600	610	- .000	.000	.000	- .000	60	747	- .085	.067	.180	- .387	60	843	- .361	.086	- .013	- .627	
600	611	- .025	.047	.169	- .205	60	748	- .041	.065	.202	- .287	60	844	- .000	.000	- .000	- .000	
600	612	- .032	.030	.215	- .263	60	749	- .047	.051	.123	- .204	60	845	- .418	.052	- .244	- .714	
600	613	- .076	.051	.170	- .504	60	750	- .070	.063	.128	- .282	60	846	- .407	.050	- .220	- .738	
600	614	- .377	.044	- .225	- .557	60	751	- .029	.045	.192	- .171	60	847	- .394	.051	- .221	- .790	
600	615	- .381	.044	- .239	- .608	60	752	- .046	.081	.348	- .270	60	848	- .400	.057	- .188	- .715	
600	616	- .380	.043	- .196	- .586	60	753	- .045	.063	.195	- .234	60	849	- .440	.053	- .288	- .712	
600	617	- .375	.042	- .244	- .537	60	754	- .059	.064	.186	- .326	60	850	- .407	.047	- .260	- .621	
600	618	- .322	.043	- .141	- .471	60	801	- .365	.110	.061	- .700	60	851	- .415	.068	- .106	- .690	
600	619	- .361	.045	- .199	- .502	60	802	- .451	.067	- .190	- .765	60	852	- .404	.064	- .126	- .611	
600	620	- .379	.041	- .209	- .497	60	803	- .337	.102	.219	- .721	60	853	- .350	.055	- .127	- .541	
600	621	- .369	.042	- .196	- .501	60	804	- .614	.126	.277	- .362	60	854	- .383	.047	- .233	- .567	
600	622	- .375	.045	- .208	- .563	60	805	- .629	.128	.188	- .207	60	855	- .335	.070	- .010	- .631	
600	623	- .386	.044	- .236	- .579	60	806	- .749	.121	- .204	- .169	60	856	- .311	.070	- .065	- .558	
600	624	- .377	.049	- .164	- .650	60	807	- .779	.143	- .224	- .302	60	857	- .315	.062	- .046	- .547	
600	625	- .388	.046	- .232	- .615	60	808	- .129	.179	.527	- .908	60	858	- .351	.054	- .054	- .599	
600	626	- .304	.060	- .038	- .501	60	809	- .191	.151	.551	- .656	60	859	- .353	.053	- .017	- .563	
600	627	- .318	.055	- .082	- .493	60	810	- .227	.144	.445	- .596	60	860	- .363	.066	- .013	- .739	
600	628	- .359	.044	- .169	- .521	60	811	- .250	.127	.283	- .604	60	861	- .345	.052	- .127	- .574	
600	629	- .335	.047	- .118	- .490	60	812	- .329	.108	.204	- .701	60	862	- .335	.052	- .145	- .576	
600	630	- .343	.054	- .139	- .561	60	813	- .400	.093	.086	- .648	60	863	- .328	.056	- .135	- .558	
600	631	- .372	.053	- .175	- .544	60	814	- .502	.063	- .270	- .788	60	864	- .352	.069	- .183	- .653	
600	632	- .359	.057	- .111	- .557	60	815	- .006	.181	.613	- .173	75	101	- .494	.094	- .188	- .998	
600	633	- .343	.050	- .073	- .603	60	816	- .503	.069	- .292	- .787	75	102	- .604	.121	- .191	- .059	
600	634	- .351	.040	- .201	- .484	60	817	- .033	.118	.512	- .641	75	103	- .705	.115	- .343	- .114	
600	635	- .354	.042	- .164	- .526	60	818	- .032	.109	.443	- .351	75	104	- .267	.074	.039	- .563	
600	636	- .307	.039	- .136	- .465	60	819	- .117	.093	.315	- .352	75	105	- .244	.082	.158	- .504	
600	637	- .356	.048	- .223	- .652	60	820	- .288	.064	.017	- .520	75	106	- .434	.093	- .116	- .791	
600	638	- .375	.043	- .236	- .583	60	821	- .512	.098	- .188	- .971	75	107	- .292	.069	- .097	- .654	
600	639	- .360	.045	- .189	- .521	60	822	- .116	.130	.385	- .823	75	108	- .089	.177	.591	- .692	
600	640	- .299	.067	- .107	- .466	60	823	- .060	.129	.588	- .506	75	109	- .063	.105	.360	- .474	
600	641	- .299	.067	- .107	- .466	60	824	- .065	.091	.453	- .371	75	110	- .103	.093	.257	- .443	
600	642	- .275	.048	- .072	- .482	60	825	- .061	.084	.483	- .297	75	111	- .127	.087	.186	- .425	
600	643	- .147	.057	- .254	- .384	60	826	- .030	.104	.530	- .297	75	112	- .126	.083	.205	- .437	
600	644	- .321	.057	- .005	- .516	60	827	- .578	.132	- .313	- .321	75	113	- .163	.086	.241	- .485	
600	645	- .258	.053	.038	- .402	60	828	- .566	.109	- .296	- .163	75	114	- .356	.079	- .014	- .623	
600	646	- .028	.070	.311	- .206	60	829	- .512	.084	- .257	- .082	75	115	- .236	.212	.917	- .833	
600	647	- .072	.054	.154	- .235	60	830	- .472	.065	- .274	- .798	75	116	- .282	.079	.005	- .586	
600	648	- .070	.057	.143	- .255	60	831	- .441	.066	- .227	- .850	75	117	- .096	.250	.836	- .880	
600	649	- .100	.057	.125	- .432	60	832	- .568	.111	- .321	- .144	75	118	- .054	.110	.441	- .225	
600	650	- .075	.056	.146	- .251	60	833	- .453	.061	- .244	- .798	75	119	- .051	.076	.251	- .267	
600	651	- .082	.058	.168	- .291	60	834	- .709	.198	- .254	- .667	75	120	- .158	.080	.294	- .370	

APPENDIX A -- PRESSURE DATA:

HINES ONE BUILDING -- MINNEAPOLIS , MINNESOTA

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
75	121	- .421	.110	.014	- .817	75	171	- .440	.156	- .034	- 1.368	75	221	- .271	.030	- .166	- .458
75	122	- .198	.199	.473	- .920	75	172	- .355	.126	- .039	- .989	75	222	- .310	.032	- .203	- .447
75	123	- .113	.062	.102	- .599	75	173	- .302	.099	- .014	- .995	75	223	- .284	.050	- .137	- .510
75	124	- .137	.044	.074	- .326	75	174	- .503	.117	- .244	- 1.107	75	224	- .249	.030	- .142	- .363
75	125	- .222	.058	.151	- .427	75	175	- .434	.116	- .145	- 1.041	75	225	- .284	.057	- .109	- .641
75	126	- .388	.084	.118	- .508	75	176	- .359	.109	- .058	- 1.284	75	226	- .250	.034	- .130	- .388
75	127	- .270	.062	.118	- .508	75	177	- .292	.081	- .039	- .786	75	227	- .233	.032	- .122	- .358
75	128	- .222	.055	.062	- .432	75	178	- .273	.063	- .081	- .647	75	228	- .239	.033	- .131	- .387
75	129	- .258	.056	.009	- .464	75	179	- .404	.068	- .230	- .823	75	229	- .404	.064	- .207	- .774
75	130	- .225	.052	.036	- .409	75	180	- .397	.077	- .174	- .755	75	230	- .000	.000	- .000	- .000
75	131	- .200	.054	.116	- .425	75	181	- .338	.070	- .143	- .698	75	231	- .339	.039	- .218	- .501
75	132	- .211	.045	.009	- .372	75	182	- .299	.056	- .100	- .634	75	232	- .398	.063	- .165	- .752
75	133	- .257	.054	.021	- .520	75	183	- .288	.044	- .149	- .609	75	233	- .383	.042	- .260	- .548
75	134	- .355	.078	.105	- .750	75	184	- .408	.079	- .179	- .754	75	234	- .375	.040	- .260	- .536
75	135	- .408	.195	.190	- 1.204	75	185	- .348	.068	- .158	- .665	75	235	- .000	.041	- .239	- .538
75	136	- .168	.103	.046	- .828	75	186	- .298	.050	- .144	- .517	75	236	- .000	.000	- .000	- .000
75	137	- .161	.047	.058	- .304	75	187	- .293	.037	- .149	- .473	75	237	- .358	.039	- .214	- .523
75	138	- .201	.050	.032	- .370	75	188	- .317	.032	- .197	- .458	75	238	- .387	.046	- .253	- .626
75	139	- .357	.070	.095	- 1.044	75	189	- .265	.044	- .111	- .553	75	239	- .000	.041	- .223	- .510
75	140	- .491	.120	.005	- 1.044	75	190	- .244	.036	- .007	- .390	75	240	- .000	.040	- .000	- .000
75	141	- .405	.141	.098	- .924	75	191	- .253	.043	- .095	- .482	75	241	- .366	.040	- .233	- .507
75	142	- .234	.056	.086	- .602	75	192	- .227	.036	- .109	- .362	75	242	- .370	.039	- .189	- .504
75	143	- .249	.034	- .118	- .459	75	193	- .228	.034	- .070	- .354	75	243	- .369	.045	- .235	- .538
75	144	- .332	.042	- .202	- .536	75	194	- .211	.038	- .018	- .361	75	244	- .379	.039	- .261	- .512
75	145	- .668	.167	- .167	- .750	75	195	- .346	.057	- .104	- .610	75	245	- .316	.036	- .177	- .479
75	146	- .377	.074	- .170	- .695	75	196	- .352	.095	- .092	- .799	75	246	- .344	.038	- .225	- .497
75	147	- .320	.077	.097	- .624	75	197	- .302	.082	- .039	- .646	75	247	- .300	.029	- .189	- .391
75	148	- .249	.051	- .103	- .453	75	198	- .295	.074	- .068	- .610	75	248	- .332	.030	- .224	- .448
75	149	- .261	.045	- .128	- .541	75	199	- .266	.072	- .004	- .648	75	249	- .290	.029	- .189	- .383
75	150	- .249	.074	- .131	- .652	75	200	- .281	.078	- .022	- .646	75	250	- .321	.029	- .212	- .416
75	151	- .249	.037	- .123	- .412	75	201	- .314	.076	- .068	- .799	75	251	- .250	.033	- .097	- .379
75	152	- .336	.088	- .137	- .931	75	202	- .284	.059	- .139	- .643	75	252	- .304	.033	- .167	- .427
75	153	- .337	.080	- .140	- .679	75	203	- .323	.088	- .065	- .735	75	253	- .380	.050	- .251	- .694
75	154	- .264	.068	- .081	- .690	75	204	- .316	.080	- .061	- .764	75	254	- .380	.042	- .265	- .596
75	155	- .237	.046	- .077	- .546	75	205	- .298	.073	- .077	- .628	75	255	- .000	.000	- .000	- .000
75	156	- .220	.041	- .092	- .454	75	206	- .312	.072	- .064	- .791	75	256	- .379	.042	- .256	- .587
75	157	- .664	.238	- .329	- 1.818	75	207	- .277	.091	- .015	- .835	75	257	- .363	.037	- .256	- .532
75	158	- .645	.194	- .204	- 1.453	75	208	- .275	.076	- .048	- .708	75	258	- .371	.034	- .221	- .550
75	159	- .471	.144	- .120	- 1.211	75	209	- .245	.073	- .037	- .624	75	259	- .350	.042	- .170	- .513
75	160	- .371	.116	- .060	- .894	75	210	- .256	.080	- .059	- .612	75	260	- .364	.038	- .240	- .519
75	161	- .336	.081	- .107	- .741	75	211	- .251	.059	- .059	- .595	75	261	- .364	.038	- .170	- .462
75	162	- .647	.228	- .306	- 1.726	75	212	- .260	.052	- .070	- .649	75	262	- .344	.039	- .200	- .508
75	163	- .319	.071	- .053	- .740	75	213	- .227	.062	- .044	- .547	75	263	- .374	.042	- .245	- .576
75	164	- .696	.189	- .248	- 1.567	75	214	- .239	.081	- .000	- .674	75	264	- .374	.042	- .206	- .907
75	165	- .615	.190	- .193	- 1.429	75	215	- .283	.047	- .144	- .595	75	265	- .656	.086	- .348	- .979
75	166	- .495	.181	- .026	- 1.297	75	216	- .288	.045	- .153	- .559	75	266	- .887	.133	- .451	- 1.627
75	167	- .385	.135	- .028	- 1.129	75	217	- .284	.050	- .085	- .580	75	267	- .386	.098	- .134	- .772
75	168	- .364	.117	- .049	- 1.022	75	218	- .302	.056	- .077	- .520	75	268	- .314	.068	- .047	- .652
75	169	- .602	.196	- .164	- 1.829	75	219	- .286	.041	- .157	- .482	75	269	- .284	.085	- .059	- .600
75	170	- .544	.171	- .146	- 1.351	75	220	- .273	.033	- .153	- .454	75	270	- .267	.083	- .119	- .523

APPENDIX A -- PRESSURE DATA:

HINES ONE BUILDING -- MINNEAPOLIS, MINNESOTA

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
75	308	- .375	.063	- .175	-.716	75	358	- .392	.097	.031	-.763	75	409	- .026	.084	.420	-.341
75	309	- .388	.086	- .130	-.966	75	359	- .152	.127	.266	-.645	75	410	- .062	.086	.454	-.394
75	310	- .391	.084	- .150	- 1.123	75	360	- .071	.140	.401	-.605	75	411	- .032	.063	.305	-.270
75	311	- .377	.075	- .141	-.912	75	361	- .050	.146	.521	-.466	75	412	- .019	.048	.191	-.170
75	312	- .379	.069	- .126	-.750	75	362	- .230	.203	.923	-.839	75	413	- .008	.059	.212	-.302
75	313	- .373	.065	- .136	-.667	75	363	- .434	.106	.051	-.768	75	414	- .046	.046	.204	-.130
75	314	- .396	.059	- .211	-.555	75	364	- .361	.194	1.037	-.636	75	415	- .020	.061	.221	-.231
75	315	- .372	.053	- .185	-.715	75	365	- .485	.072	.181	-.737	75	501	- .209	.097	.126	-.564
75	316	- .379	.042	- .214	-.708	75	366	- .031	.131	.478	-.360	75	502	- .352	.058	.157	-.613
75	317	- .216	.042	- .075	-.416	75	367	- .305	.161	.869	-.286	75	503	- .172	.087	.363	-.421
75	318	- .390	.048	- .242	-.663	75	368	- .330	.168	.966	-.489	75	504	- .631	.114	.274	-.023
75	319	- .368	.050	- .223	-.684	75	369	- .479	.089	.124	-.954	75	505	- .661	.125	.225	-.165
75	320	- .374	.070	- .179	-.741	75	370	- .050	.120	.425	-.380	75	506	- .432	.095	.128	-.807
75	321	- .373	.072	- .180	-.698	75	371	- .192	.139	.920	-.152	75	507	- .304	.070	.097	-.667
75	322	- .400	.084	- .210	-.960	75	372	- .217	.145	.909	-.264	75	508	- .273	.070	.044	-.609
75	323	- .389	.055	- .184	-.829	75	373	- .407	.130	.057	-.887	75	509	- .252	.075	.011	-.727
75	324	- .311	.069	- .117	-.740	75	374	- .229	.128	.727	-.069	75	510	- .277	.080	.021	-.752
75	325	- .312	.066	- .097	-.691	75	375	- .363	.136	.266	-.876	75	511	- .318	.095	.010	-.906
75	326	- .359	.080	- .156	-.868	75	376	- .025	.138	.561	-.374	75	512	- .326	.085	.081	-.790
75	327	- .314	.056	- .055	-.641	75	377	- .223	.131	.832	-.091	75	513	- .304	.069	.099	-.619
75	328	- .296	.073	- .116	-.753	75	378	- .243	.125	.732	-.053	75	514	- .323	.065	.123	-.674
75	329	- .252	.053	- .098	-.538	75	379	- .032	.173	.553	-.754	75	515	- .273	.055	.115	-.626
75	330	- .250	.054	- .089	-.705	75	380	- .056	.079	.487	-.198	75	516	- .218	.048	.067	-.477
75	331	- .235	.074	- .074	-.1075	75	381	- .136	.108	.639	-.116	75	517	- .313	.057	.135	-.651
75	332	- .406	.063	- .030	-.709	75	382	- .046	.135	.340	-.566	75	518	- .311	.043	.164	-.506
75	333	- .479	.056	- .221	-.684	75	383	- .033	.082	.348	-.231	75	519	- .342	.051	.152	-.561
75	334	- .561	.068	- .232	-.926	75	384	- .095	.097	.484	-.173	75	520	- .347	.060	.177	-.693
75	335	- .707	.084	- .317	-.1039	75	385	- .004	.092	.382	-.331	75	521	- .332	.068	.128	-.647
75	336	- .328	.045	- .206	-.590	75	386	- .039	.083	.317	-.221	75	522	- .255	.062	.039	-.579
75	337	- .396	.045	- .206	-.296	75	387	- .102	.082	.483	-.131	75	523	- .303	.056	.110	-.548
75	338	- .224	.187	- .623	-.2051	75	388	- .027	.087	.394	-.434	75	524	- .404	.065	.230	-.748
75	339	- .398	.064	- .174	-.682	75	389	- .027	.086	.417	-.313	75	525	- .417	.071	.174	-.688
75	340	- .445	.069	- .254	-.817	75	390	- .027	.086	.417	-.313	75	526	- .421	.073	.198	-.834
75	341	- .539	.119	- .237	-.152	75	391	- .081	.081	.484	-.133	75	527	- .435	.077	.177	-.890
75	342	- .211	.207	- .302	-.637	75	392	- .028	.066	.327	-.196	75	528	- .453	.075	.142	-.832
75	343	- .210	.207	- .368	-.2336	75	393	- .015	.065	.463	-.159	75	529	- .441	.074	.213	-.782
75	344	- .319	.061	- .104	-.605	75	394	- .050	.077	.387	-.161	75	530	- .443	.076	.248	-.793
75	345	- .390	.057	- .170	-.776	75	395	- .179	.113	.765	-.278	75	531	- .388	.071	.207	-.720
75	346	- .473	.085	- .282	-.909	75	396	- .142	.093	.583	-.152	75	532	- .478	.076	.263	-.781
75	347	- .655	.164	- .348	-.385	75	397	- .096	.096	.600	-.093	75	533	- .447	.081	.227	-.734
75	348	- .122	.217	- .481	-.2000	75	398	- .181	.096	.600	-.093	75	534	- .453	.084	.219	-.766
75	349	- .265	.056	- .095	-.580	75	399	- .100	.081	.457	-.163	75	535	- .247	.075	.002	-.573
75	350	- .987	.199	- .324	-.892	75	400	- .157	.088	.597	-.138	75	536	- .300	.060	.072	-.607
75	351	- .250	.053	- .065	-.528	75	401	- .082	.066	.357	-.129	75	537	- .385	.062	.135	-.676
75	352	- .282	.050	- .097	-.602	75	402	- .205	.096	.635	-.056	75	538	- .554	.110	.244	-.340
75	353	- .089	.091	- .487	-.177	75	403	- .057	.050	.266	-.077	75	539	- .650	.140	.313	-.265
75	354	- .508	.124	- .178	-.246	75	404	- .040	.119	.399	-.483	75	540	- .414	.094	.160	-.869
75	355	- .089	.091	- .487	-.177	75	405	- .019	.101	.367	-.383	75	541	- .421	.109	.156	-.208
75	356	- .508	.124	- .178	-.246	75	406	- .096	.081	.415	-.334	75	542	- .392	.062	.159	-.602
75	357	- .059	.227	- .282	-.974	75	407	- .012	.102	.452	-.487	75	543	- .396	.061	.175	-.713
						75	408	- .021	.067	.299	-.275						

APPENDIX A -- PRESSURE DATA:

HINES ONE BUILDING -- MINNEAPOLIS , MINNESOTA

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
75	544	-.891	.135	-.523	-1.450	75	596	.096	.136	.621	-.269	75	733	.144	.098	.553	-.104
75	545	-.390	.062	-.218	-.725	75	597	-.084	.096	.354	-.531	75	734	.095	.081	.535	-.162
75	546	-.375	.056	-.166	-.617	75	598	.016	.095	.452	-.247	75	735	.106	.086	.522	-.126
75	547	-.368	.041	-.239	-.630	75	599	.046	.099	.569	-.274	75	736	.076	.078	.481	-.140
75	548	-.342	.038	-.193	-.530	75	600	-.039	.114	.513	-.426	75	738	.101	.082	.549	-.093
75	549	-.287	.036	-.163	-.422	75	601	.064	.093	.568	-.218	75	739	.088	.085	.529	-.144
75	550	-.319	.059	-.137	-.670	75	602	-.075	.081	.462	-.146	75	740	.160	.047	.324	-.042
75	551	-.365	.066	-.184	-.803	75	603	.016	.078	.419	-.191	75	741	.150	.091	.643	-.053
75	552	-.491	.095	-.258	-.888	75	604	-.148	.091	.299	-.414	75	742	.104	.088	.602	-.058
75	553	-.637	.143	-.209	-.490	75	605	.132	.103	.812	-.156	75	743	.131	.086	.564	-.113
75	554	-.846	.176	-.431	-.572	75	606	.117	.090	.619	-.155	75	744	.130	.089	.532	-.103
75	555	-.309	.061	-.136	-.692	75	608	-.122	.055	.076	-.315	75	745	.090	.107	.500	-.316
75	556	-.820	.165	-.391	-.634	75	609	-.023	.071	.508	-.253	75	746	-.344	.071	.100	-.776
75	557	-.335	.060	-.161	-.663	75	610	-.150	.061	.087	-.391	75	747	.064	.096	.489	-.186
75	558	-.348	.088	-.137	-.891	75	611	.000	.000	.000	-.000	75	748	-.028	.084	.310	-.315
75	559	-.428	.153	-.117	-.157	75	612	.050	.066	.483	-.136	75	749	-.002	.062	.307	-.184
75	560	-.638	.229	-.207	-.602	75	613	-.012	.057	.235	-.179	75	750	-.020	.064	.296	-.227
75	561	-.861	.198	-.355	-.614	75	614	-.148	.047	.046	-.343	75	751	-.027	.054	.261	-.126
75	562	-.394	.053	-.239	-.624	75	701	-.365	.046	.203	-.536	75	752	.102	.096	.527	-.147
75	563	-.322	.048	-.175	-.697	75	702	-.369	.050	.218	-.644	75	753	.100	.084	.408	-.101
75	564	-.315	.062	-.144	-.913	75	703	-.358	.048	.209	-.533	75	754	.051	.079	.317	-.192
75	565	-.343	.135	-.076	-.451	75	704	-.360	.046	.223	-.554	75	801	-.300	.144	.117	-.828
75	566	-.671	.212	-.164	-.602	75	705	-.316	.049	.094	-.495	75	802	-.291	.094	.029	-.667
75	567	-.458	.075	-.260	-.913	75	706	-.337	.045	.166	-.491	75	803	-.151	.098	.234	-.552
75	568	-.280	.063	-.040	-.609	75	707	-.360	.041	.201	-.495	75	804	-.463	.113	.144	-.891
75	569	-.198	.067	-.009	-.477	75	708	-.349	.042	.216	-.482	75	805	-.506	.113	.196	-.966
75	570	-.154	.070	-.098	-.540	75	709	-.354	.044	.196	-.534	75	806	-.820	.118	.451	-.294
75	571	-.260	.148	-.115	-.975	75	710	-.370	.042	.232	-.515	75	807	-.910	.157	.245	-.512
75	572	-.413	.070	-.209	-.825	75	711	-.356	.045	.171	-.514	75	808	-.241	.278	.691	-.071
75	573	-.102	.069	-.161	-.784	75	712	-.374	.044	.222	-.535	75	809	-.202	.106	.241	-.541
75	574	-.025	.070	-.276	-.460	75	713	-.300	.060	.041	-.464	75	810	-.259	.101	.172	-.530
75	575	-.012	.073	-.236	-.232	75	714	-.319	.053	.105	-.480	75	811	-.268	.097	.185	-.595
75	576	-.008	.088	-.358	-.425	75	715	-.356	.043	.180	-.488	75	812	-.311	.086	.083	-.636
75	577	-.365	.046	-.201	-.554	75	716	-.330	.048	.143	-.485	75	813	-.346	.068	.068	-.582
75	578	-.117	.094	-.606	-.091	75	717	-.330	.051	.137	-.556	75	814	-.479	.062	.252	-.786
75	579	-.126	.099	-.712	-.145	75	718	-.371	.049	.166	-.542	75	815	-.112	.278	.769	-.989
75	580	-.134	.093	-.568	-.097	75	720	-.368	.050	.106	-.573	75	816	-.530	.077	.215	-.799
75	581	-.128	.106	-.554	-.207	75	721	-.343	.043	.166	-.510	75	817	-.012	.182	.574	-.617
75	582	-.343	.059	-.107	-.615	75	722	-.357	.035	.238	-.463	75	818	-.049	.085	.383	-.561
75	583	-.156	.069	-.173	-.424	75	723	-.363	.041	.245	-.512	75	819	-.028	.064	.302	-.203
75	584	-.122	.087	-.161	-.432	75	724	-.297	.037	.137	-.410	75	820	-.222	.045	.095	-.956
75	585	-.007	.116	.402	-.405	75	725	-.373	.072	.216	.700	75	821	-.580	.095	.236	-.956
75	586	-.175	.180	.686	-.697	75	726	-.370	.040	.245	.518	75	822	-.019	.182	.645	-.711
75	587	-.368	.070	-.104	-.689	75	727	-.365	.039	.204	.501	75	823	-.056	.117	.525	-.564
75	588	-.403	.097	-.099	-.763	75	728	-.252	.053	.000	-.452	75	824	-.053	.077	.541	-.202
75	589	-.039	.116	.404	-.370	75	729	-.252	.053	.028	-.374	75	825	-.087	.096	.477	-.195
75	590	-.204	.180	.790	-.263	75	730	-.012	.073	.290	-.522	75	826	-.120	.110	.557	-.229
75	591	-.299	.105	.113	-.754	75	731	-.256	.069	.012	-.547	75	827	-.601	.134	.299	-.251
75	592	-.032	.107	.377	-.272	75	732	-.216	.045	.009	-.373	75	828	-.566	.098	.190	-.055

APPENDIX A -- PRESSURE DATA:

HINES ONE BUILDING -- MINNEAPOLIS , MINNESOTA

	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
80	829	- .545	.087	- .199	- .935	90	115	- .359	.273	.517	- 1.143	90	165	- .359	.058	- .150	- .972
75	830	- .485	.067	- .203	- .750	90	116	- .166	.034	.041	- .376	90	166	- .367	.068	- .099	- .982
75	831	- .411	.055	- .230	- .654	90	117	- .453	.251	.469	- 1.352	90	167	- .361	.066	- .130	- .843
75	832	- .674	.116	- .291	- 1.057	90	118	- .124	.161	.249	- 1.110	90	168	- .401	.097	- .111	- .026
75	833	- .429	.059	- .193	- .676	90	119	- .149	.051	.113	- .381	90	169	- .375	.058	- .208	- .689
75	834	- 1.011	.234	- .190	- 1.671	90	120	- .197	.045	.000	- .344	90	170	- .382	.064	- .180	- .822
75	835	- .385	.107	- .137	- .995	90	121	- .306	.047	.109	- .585	90	171	- .378	.072	- .173	- .970
75	836	- .372	.071	- .159	- .702	90	122	- .630	.178	.016	- 1.289	90	172	- .393	.077	- .143	- .941
75	837	.000	.000	.000	.000	90	123	- .313	.203	.076	- 1.136	90	173	- .406	.092	- .156	- .925
75	838	- .390	.068	- .147	- .649	90	124	- .204	.046	.064	- .579	90	174	- .385	.058	- .200	- .973
75	839	.000	.000	.000	.000	90	125	- .248	.045	.058	- 4.14	90	175	- .383	.061	- .129	- .056
75	840	.000	.000	.000	.000	90	126	- .315	.045	.186	- .539	90	176	- .412	.087	- .036	- .972
75	841	.022	.020	.101	- .662	90	127	- .259	.043	.097	- 4.42	90	177	- .412	.086	- .115	- .986
75	842	- .384	.048	- .127	- .561	90	128	- .256	.044	.048	- 4.19	90	178	- .443	.115	- .039	- .809
75	843	- .384	.073	- .062	- .658	90	129	- .287	.047	.099	- 4.81	90	179	- .406	.067	- .255	- .772
75	844	.000	.000	.000	.000	90	130	- .220	.043	.041	- 3.69	90	180	- .422	.071	- .243	- .231
75	845	- .379	.047	- .222	- .578	90	131	- .154	.047	.035	- 3.19	90	181	- .420	.078	- .199	- .811
75	846	- .369	.046	- .197	- .539	90	132	- .240	.041	.048	- 4.06	90	182	- .412	.078	- .132	- .924
75	847	- .352	.050	- .197	- .554	90	133	- .262	.047	.097	- 4.53	90	183	- .411	.092	- .132	- .025
75	848	- .362	.060	- .152	- .679	90	134	- .307	.048	.156	- .557	90	184	- .480	.085	- .278	- .020
75	849	- .425	.055	- .249	- .709	90	135	- .728	.190	.143	- 1.633	90	185	- .455	.078	- .263	- .936
75	850	- .372	.044	- .221	- .528	90	136	- .393	.205	.011	- 1.408	90	186	- .421	.070	- .228	- .773
75	851	- .362	.059	- .156	- .593	90	137	- .244	.055	.014	- 5.48	90	187	- .411	.065	- .225	- .666
75	852	.055	- .157	- .541	- .500	90	138	- .259	.045	.082	- 4.55	90	188	- .408	.062	- .245	- .666
75	853	- .317	.047	- .144	- .500	90	139	- .345	.051	.166	- .587	90	189	- .405	.066	- .250	- .787
75	854	- .351	.043	- .174	- .508	90	140	- .679	.186	.308	- 1.982	90	190	- .334	.044	- .197	- .553
75	855	- .342	.066	- .068	- .566	90	141	- .544	.165	.136	- 1.232	90	191	- .385	.067	- .213	- .699
75	856	- .308	.064	- .103	- .504	90	142	- .307	.076	.084	- 7.48	90	192	- .332	.058	- .190	- .713
75	857	- .297	.052	- .115	- .473	90	143	- .291	.042	.125	- 5.82	90	193	- .317	.047	- .184	- .551
75	858	- .329	.046	- .141	- .498	90	144	- .355	.044	.187	- 5.29	90	194	- .294	.039	- .168	- .449
75	859	.036	- .230	- .482	- .482	90	145	- .501	.087	.277	- 1.026	90	195	- .312	.039	- .180	- .480
75	860	- .344	.063	- .118	- .607	90	146	- .497	.093	.177	- 9.36	90	196	- .346	.093	- .051	- .854
75	861	- .353	.045	- .156	- .569	90	147	- .377	.077	.074	- 7.30	90	197	- .311	.084	- .033	- .739
75	862	- .348	.043	- .162	- .534	90	148	- .309	.044	.153	- 5.35	90	198	- .320	.078	- .082	- .667
75	863	- .338	.054	- .041	- .585	90	149	- .331	.048	.189	- 5.41	90	199	- .333	.092	- .075	- .823
75	864	- .348	.065	- .062	- .640	90	150	- .449	.091	.230	- 1.057	90	200	- .380	.097	- .060	- .318
90	101	- .422	.086	- .060	- .788	90	151	- .344	.040	.225	- 5.57	90	201	- .339	.073	- .113	- .756
90	102	- .533	.100	- .179	- .922	90	152	- .445	.109	.124	- 1.146	90	202	- .373	.072	- .138	- .663
90	103	- .735	.106	- .420	- 1.097	90	153	- .429	.100	.148	- 1.044	90	203	- .348	.062	- .137	- .830
90	104	- .262	.071	.039	- .544	90	154	- .308	.072	.075	- 7.03	90	204	- .346	.049	- .157	- .542
90	105	- .229	.094	.146	- .624	90	155	- .291	.041	.149	- 4.91	90	205	- .353	.056	- .148	- .597
90	106	- .318	.101	- .034	- .641	90	156	- .320	.044	.148	- 5.12	90	206	- .392	.061	- .196	- .698
90	107	- .428	.093	- .113	- .704	90	157	- .370	.061	.181	- 6.53	90	207	- .366	.069	- .155	- .857
90	108	- .488	.239	- 1.269	- .909	90	158	- .389	.073	.169	- 8.66	90	208	- .361	.053	- .166	- .571
90	109	- .232	.071	.109	- .917	90	159	- .381	.081	.123	- 8.47	90	209	- .366	.074	- .117	- .743
90	110	- .248	.063	.066	- .523	90	160	- .383	.100	.039	- 1.028	90	210	- .377	.073	- .138	- .716
90	111	- .240	.061	.007	- .485	90	161	- .386	.104	.061	- 9.72	90	211	- .376	.073	- .177	- .821
90	112	- .205	.055	.005	- .417	90	162	- .344	.059	.173	- 8.11	90	212	- .361	.058	- .186	- .639
90	113	- .232	.052	.000	- .395	90	163	- .387	.094	.134	- 8.13	90	213	- .367	.102	- .128	- .944
90	114	- .294	.045	- .113	- .471	90	164	- .355	.054	.215	- 7.58	90	214	- .390	.098	- .116	- .940

APPENDIX A -- PRESSURE DATA:

HINES ONE BUILDING -- MINNEAPOLIS, MINNESOTA

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
90	215	- .376	.077	- .119	- .795	90	302	- .632	.094	- .298	- .969	90	352	- .907	.240	- .256	- .726
90	216	- .365	.063	- .157	- .652	90	303	- .812	.116	- .464	- 1 .276	90	353	- .293	.051	- .133	- .667
90	217	- .321	.063	- .106	- .745	90	304	- .446	.114	- .668	- 1 .844	90	354	- .311	.055	- .101	- .710
90	218	- .338	.086	- .091	- .914	90	305	- .312	.067	- .070	- 1 .267	90	355	- .106	.108	- .570	- .192
90	219	- .367	.063	- .201	- .905	90	306	- .303	.079	- .109	- 1 .601	90	356	- .502	.122	- .115	- .322
90	220	- .347	.058	- .212	- .725	90	307	- .281	.079	- .014	- 1 .608	90	357	- .981	.228	- .176	- .885
90	221	- .346	.046	- .223	- .565	90	308	- .423	.124	- .141	- 1 .271	90	358	- .365	.120	- .247	- .730
90	222	- .370	.068	- .203	- .709	90	309	- .415	.100	- .137	- 1 .012	90	359	- .152	.141	- .506	- .548
90	223	- .315	.041	- .190	- .617	90	310	- .395	.082	- .159	- 1 .892	90	360	- .082	.151	- .520	- .549
90	224	- .376	.080	- .188	- .858	90	311	- .402	.071	- .205	- 1 .855	90	361	- .022	.155	- .594	- .422
90	225	- .341	.049	- .209	- .576	90	312	- .391	.065	- .155	- 1 .802	90	362	- .201	.199	- .822	- .534
90	226	- .298	.041	- .113	- .501	90	313	- .406	.054	- .249	- 1 .836	90	363	- .394	.127	- .195	- .886
90	227	- .296	.041	- .091	- .524	90	314	- .385	.083	- .179	- 1 .822	90	364	- .311	.196	- .974	- .683
90	228	- .320	.037	- .192	- .529	90	315	- .384	.047	- .220	- 1 .637	90	365	- .470	.087	- .133	- .771
90	229	- .000	.000	- .000	- .000	90	316	- .228	.050	- .095	- 1 .535	90	366	- .035	.147	- .470	- .443
90	230	- .293	.039	- .162	- .430	90	317	- .379	.051	- .218	- 1 .626	90	367	- .216	.170	- .816	- .349
90	231	- .329	.038	- .191	- .504	90	318	- .358	.044	- .227	- 1 .574	90	368	- .243	.187	- .939	- .564
90	232	- .325	.037	- .213	- .481	90	319	- .372	.051	- .203	- 1 .632	90	369	- .512	.106	- .108	- .027
90	233	- .325	.041	- .183	- .500	90	320	- .372	.053	- .231	- 1 .735	90	370	- .150	.138	- .410	- .512
90	234	- .314	.035	- .197	- .460	90	321	- .386	.049	- .223	- 1 .626	90	371	- .041	.145	- .581	- .398
90	235	- .000	.000	- .000	- .000	90	322	- .374	.049	- .229	- 1 .585	90	372	- .056	.156	- .639	- .498
90	236	- .314	.035	- .197	- .460	90	323	- .360	.039	- .229	- 1 .516	90	373	- .395	.150	- .124	- .007
90	237	- .302	.036	- .167	- .460	90	324	- .353	.049	- .208	- 1 .643	90	374	- .386	.136	- .692	- .180
90	238	- .320	.036	- .201	- .534	90	325	- .353	.047	- .209	- 1 .611	90	375	- .035	.142	- .146	- .796
90	239	- .312	.032	- .213	- .439	90	326	- .334	.056	- .116	- 1 .605	90	376	- .133	.126	- .623	- .190
90	240	- .000	.000	- .000	- .000	90	327	- .278	.045	- .122	- 1 .671	90	377	- .144	.119	- .603	- .156
90	241	- .315	.030	- .220	- .424	90	328	- .309	.061	- .104	- 1 .646	90	378	- .033	.144	- .589	- .745
90	242	- .300	.030	- .215	- .406	90	329	- .304	.045	- .160	- 1 .494	90	379	- .033	.144	- .200	- .200
90	243	- .313	.036	- .204	- .483	90	330	- .293	.045	- .123	- 1 .610	90	380	- .074	.093	- .434	- .150
90	244	- .321	.036	- .220	- .468	90	331	- .284	.050	- .136	- 1 .630	90	381	- .116	.114	- .606	- .519
90	245	- .330	.039	- .174	- .476	90	332	- .274	.048	- .134	- 1 .567	90	382	- .010	.112	- .433	- .258
90	246	- .319	.037	- .169	- .477	90	333	- .274	.048	- .134	- 1 .567	90	383	- .064	.102	- .489	- .258
90	247	- .309	.037	- .178	- .565	90	334	- .414	.053	- .219	- 1 .707	90	384	- .086	.117	- .552	- .186
90	248	- .306	.034	- .173	- .461	90	335	- .477	.065	- .220	- 1 .890	90	385	- .052	.089	- .422	- .203
90	249	- .287	.034	- .188	- .428	90	336	- .533	.082	- .296	- 1 .001	90	386	- .061	.095	- .461	- .185
90	250	- .295	.034	- .192	- .409	90	337	- .659	.120	- .370	- 1 .369	90	387	- .027	.088	- .409	- .221
90	251	- .295	.034	- .064	- .446	90	338	- 1 .215	.236	- .568	- 2 .016	90	388	- .123	.101	- .561	- .137
90	252	- .284	.034	- .127	- .406	90	339	- 1 .401	.045	- .252	- 1 .730	90	389	- .047	.103	- .429	- .258
90	253	- .321	.033	- .213	- .485	90	340	- 1 .194	.199	- .546	- 1 .947	90	390	- .097	.496	- .496	- .158
90	254	- .314	.031	- .222	- .445	90	341	- .393	.053	- .203	- 1 .703	90	391	- .101	.074	- .375	- .191
90	255	- .000	.000	- .000	- .000	90	342	- .441	.068	- .126	- 1 .828	90	392	- .051	.074	- .375	- .191
90	256	- .319	.031	- .225	- .429	90	343	- .543	.112	- .269	- 1 .104	90	393	- .104	.095	- .449	- .152
90	257	- .314	.031	- .217	- .435	90	344	- .729	.198	- .309	- 1 .472	90	394	- .047	.071	- .318	- .182
90	258	- .315	.030	- .212	- .466	90	345	- 1 .108	.255	- .355	- 2 .059	90	395	- .069	.088	- .443	- .171
90	259	- .298	.036	- .162	- .423	90	346	- .360	.058	- .144	- 1 .788	90	396	- .063	.115	- .512	- .449
90	260	- .314	.033	- .202	- .463	90	347	- .431	.067	- .203	- 1 .031	90	397	- .092	.084	- .486	- .288
90	261	- .288	.032	- .162	- .429	90	348	- .502	.095	- .228	- 1 .176	90	398	- .065	.073	- .408	- .183
90	262	- .311	.037	- .172	- .455	90	349	- .646	.164	- .256	- 1 .338	90	399	- .086	.072	- .565	- .170
90	263	- .320	.041	- .154	- .490	90	350	- 1 .036	.203	- .303	- 2 .171	90	400	- .117	.077	- .437	- .154
90	264	- .507	113	- .199	- 1 .133	90	351	- .303	.047	- .123	- 1 .612	90	401	- .077	.086	- .484	- .078

APPENDIX A -- PRESSURE DATA:

HINES ONE BUILDING -- MINNEAPOLIS , MINNESOTA

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
403	.059	.059	.373	-.109	.90	538	-773	.138	.384	-.1	.439	90	589	-.197	104	.176	-.517
404	.029	.106	.458	-.454	.90	539	-795	.126	.473	-.1	.287	90	590	.209	.127	.574	-.152
405	.053	.108	.395	-.444	.90	540	-339	.061	.140	-.6	.680	90	591	.434	.166	.895	-.057
406	.129	.105	.546	-.270	.90	541	-325	.067	.138	-.7	.700	90	593	-.151	.121	.288	-.545
407	.043	.096	.528	-.299	.90	542	-331	.066	.089	-.5	.587	90	594	.216	.125	.622	-.129
408	.023	.073	.519	-.191	.90	543	-352	.077	.097	-.1	.736	90	595	.380	.162	.982	-.215
409	-.010	.088	.306	-.363	.90	544	-976	.173	.582	-.1	.922	90	596	.255	.169	.749	-.628
410	.074	.099	.496	-.307	.90	545	-319	.038	.186	-.5	.508	90	597	.029	.133	.510	-.343
411	.037	.070	.526	-.174	.90	546	-317	.055	.212	-.4	.462	90	598	.207	.125	.745	-.159
412	.019	.059	.270	-.168	.90	547	-315	.036	.203	-.4	.464	90	599	.238	.158	.778	-.156
413	.016	.073	.389	-.232	.90	548	-294	.035	.191	-.4	.447	90	600	.046	.181	.619	-.482
414	.039	.058	.316	-.127	.90	549	-250	.036	.145	-.4	.441	90	601	.136	.122	.593	-.309
415	.017	.075	.359	-.222	.90	550	-419	.053	.233	-.5	.596	90	602	.173	.169	.599	-.102
501	-.480	.088	-.211	-.760	.90	551	-397	.044	.233	-.5	.560	90	603	.092	.103	.515	-.401
502	-.403	.069	-.144	-.658	.90	552	-440	.057	.263	-.6	.696	90	604	-.140	.119	.470	-.968
503	-.157	.105	.187	-.505	.90	553	-502	.097	.280	-.9	.983	90	605	.095	.103	.584	-.195
504	-.708	.095	.349	-.009	.90	554	-850	.164	.466	-.1	.622	90	606	.093	.094	.556	-.150
505	-.733	.106	.372	-.144	.90	555	-386	.045	.201	-.6	.602	90	608	-.152	.075	.208	-.413
506	-.341	.094	.050	-.663	.90	556	-848	.147	.305	-.1	.435	90	609	.037	.083	.421	-.238
507	-.469	.097	.131	-.782	.90	557	-423	.048	.262	-.5	.599	90	610	-.196	.074	.152	-.452
508	-.473	.122	-.091	-.013	.90	558	-328	.042	.180	-.5	.580	90	611	.000	.000	.000	-.000
509	-.450	.112	-.113	-.974	.90	559	-307	.082	.118	-.9	.985	90	612	.064	.080	.470	-.176
510	-.463	.104	-.110	-.996	.90	560	-436	.210	.054	-.1	.330	90	613	-.007	.075	.293	-.256
511	-.470	.095	-.182	-.941	.90	561	-666	.179	.237	-.1	.853	90	614	.184	.054	.048	-.429
512	-.459	.082	-.158	-.125	.90	562	-484	.057	.331	-.7	.704	90	701	.319	.042	.172	-.472
513	-.448	.076	-.207	-.785	.90	563	-324	.045	.164	-.5	.507	90	702	.321	.041	.186	-.489
514	-.453	.068	-.267	-.720	.90	564	-269	.056	.075	-.6	.636	90	703	.316	.039	.169	-.494
515	-.467	.110	-.166	-.966	.90	565	-274	.148	.005	-.1	.222	90	704	.311	.039	.175	-.478
516	-.321	.050	-.184	-.524	.90	566	-692	.211	.085	-.1	.526	90	705	.281	.037	.132	-.450
517	-.430	.095	-.191	-.811	.90	567	-524	.078	.311	-.9	.902	90	706	.301	.036	.179	-.440
518	-.445	.067	-.226	-.711	.90	568	-238	.056	.054	-.4	.447	90	707	.304	.035	.192	-.420
519	-.483	.066	-.233	-.706	.90	569	-123	.066	.163	-.3	.310	90	708	.304	.035	.187	-.427
520	-.478	.060	-.293	-.846	.90	570	-071	.083	.251	-.4	.496	90	709	.302	.040	.163	-.450
521	-.455	.063	-.218	-.712	.90	571	-292	.229	.362	-.1	.015	90	710	.317	.038	.186	-.460
522	-.388	.079	-.082	-.743	.90	572	-442	.080	.121	-.7	.741	90	711	.303	.040	.179	-.471
523	-.457	.096	-.194	-.860	.90	573	-081	.071	.177	-.3	.381	90	712	.315	.038	.176	-.462
524	-.591	.090	-.280	-.981	.90	574	-013	.080	.290	-.2	.274	90	713	.287	.040	.144	-.457
525	-.571	.079	-.340	-.919	.90	575	-059	.090	.371	-.2	.251	90	714	.298	.037	.172	-.475
526	-.569	.079	-.331	-.900	.90	576	-008	.151	.426	-.6	.638	90	715	.303	.035	.206	-.462
527	-.583	.082	-.339	-.964	.90	577	-305	.037	.183	-.4	.722	90	716	.300	.036	.193	-.480
528	-.613	.087	-.361	-.1	.058	578	-117	.106	.506	-.1	.123	90	717	.296	.037	.177	-.461
529	-.599	.080	-.345	-.903	.90	579	-119	.109	.517	-.1	.128	90	718	.317	.033	.206	-.467
530	-.593	.078	-.382	-.957	.90	580	-114	.105	.521	-.1	.128	90	720	.316	.035	.196	-.500
531	-.526	.072	-.325	-.867	.90	581	-103	.113	.622	-.2	.247	90	721	.297	.031	.183	-.424
532	-.630	.083	-.401	-.988	.90	582	-242	.068	.064	-.4	.486	90	722	.313	.030	.201	-.473
533	-.634	.093	-.372	-.1	.053	583	-052	.086	.250	-.3	.302	90	723	.314	.038	.184	-.511
534	-.350	.082	-.104	-.648	.90	584	-004	.101	.340	-.3	.308	90	724	.276	.030	.160	-.382
535	-.626	.090	-.367	-.971	.90	585	-106	.124	.513	-.2	.254	90	725	.312	.066	.139	-.636
536	-.634	.093	-.372	-.1	.053	586	-254	.147	.742	-.1	.175	90	726	.309	.034	.199	-.440
537	-.421	1.05	-.161	-.1	.036	587	-218	.089	.073	-.5	.545	90	727	.303	.033	.203	-.433

APPENDIX A -- PRESSURE DATA:

HINES ONE BUILDING -- MINNEAPOLIS , MINNESOTA

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
90	728	- .210	.055	- .008	-.366	90	823	.061	.127	.547	-.355	105	109	-.590	.216	- .197	-1.365
90	729	- .210	.055	- .008	-.366	90	824	.066	.096	.405	-.178	105	110	-.415	.119	- .202	-1.098
90	730	- .166	.050	.044	-.329	90	825	.093	.105	.518	-.154	105	111	-.347	.069	- .172	-1.752
90	731	- .005	.079	.362	-.247	90	826	.102	.115	.518	-.218	105	112	-.280	.048	- .103	-1.541
90	732	- .170	.048	.035	-.328	90	827	-.665	.146	.208	-.1321	105	113	-.279	.050	- .130	-1.531
90	733	- .172	.112	.632	-.110	90	828	-.605	.168	.120	-.0828	105	114	-.296	.043	- .167	-1.469
90	734	.119	.092	.473	-.159	90	829	-.549	.097	.185	-.1188	105	115	-.821	.162	- .342	-1.518
90	735	.136	.100	.519	-.109	90	830	-.455	.083	.176	-.897	105	116	-.181	.030	- .030	-1.338
90	736	.108	.101	.477	-.226	90	831	-.361	.061	.109	-.625	105	117	-.799	.154	- .315	-1.419
90	737	.110	.100	.501	-.136	90	832	-.717	.113	.225	-.1166	105	118	-.700	.257	- .065	-1.736
90	738	.127	.102	.528	-.157	90	833	-.349	.069	.152	-.650	105	119	-.355	.162	- .054	-1.164
90	739	.107	.102	.477	-.141	90	834	-.965	.215	.355	-.800	105	120	-.282	.060	- .072	-1.655
90	740	.150	.053	.307	-.016	90	835	-.339	.087	.076	-.8200	105	121	-.329	.047	- .171	-1.666
90	741	.141	.100	.616	-.087	90	836	-.334	.066	.122	-.784	105	122	-.805	.181	- .334	-1.759
90	742	.101	.094	.528	-.129	90	837	-.000	.000	.000	-.000	105	123	-.712	.256	- .059	-1.855
90	743	.126	.097	.607	-.093	90	838	-.344	.069	.168	-.790	105	124	-.417	.150	- .107	-1.051
90	744	.107	.098	.726	-.112	90	839	-.000	.000	.000	-.000	105	125	-.335	.079	- .014	-1.763
90	745	.060	.107	.547	-.237	90	840	-.000	.000	.000	-.000	105	126	-.349	.053	- .172	-1.589
90	746	-.348	.072	-.124	-.037	90	841	-.042	.016	.097	-.016	105	127	-.327	.067	- .092	-1.653
90	747	-.047	.100	.494	-.206	90	842	-.333	.040	.207	-.501	105	128	-.342	.073	- .049	-1.748
90	748	-.007	.088	.382	-.342	90	843	-.341	.050	.160	-.602	105	129	-.355	.074	- .019	-1.824
90	749	.025	.074	.370	-.195	90	844	-.000	.000	.000	-.000	105	130	-.308	.069	- .072	-1.740
90	750	-.007	.072	.286	-.249	90	845	-.332	.061	.119	-.732	105	131	-.2333	.068	- .024	-1.518
90	751	.047	.071	.382	-.148	90	846	-.324	.057	.137	-.683	105	132	-.3332	.075	- .061	-1.783
90	752	.114	.114	.603	-.177	90	847	-.317	.057	.156	-.614	105	133	-.3354	.072	- .057	-1.756
90	753	.131	.100	.630	-.145	90	848	-.326	.062	.136	-.683	105	134	-.3554	.063	- .135	-1.733
90	754	-.083	.096	.569	-.152	90	849	-.350	.070	.150	-.798	105	135	-.819	.221	- .075	-2.109
90	801	-.365	.101	.049	-.805	90	850	-.329	.046	.170	-.520	105	136	-.698	.228	- .056	-1.830
90	802	-.321	.083	.004	-.655	90	851	-.310	.053	.134	-.553	105	137	-.433	.151	- .021	-1.099
90	803	-.181	.101	.227	-.552	90	852	-.306	.041	.143	-.469	105	138	-.329	.073	- .111	-1.719
90	804	-.437	.091	.156	-.844	90	853	-.276	.035	.154	-.401	105	139	-.371	.066	- .153	-1.672
90	805	.536	.129	.172	-.216	90	854	-.324	.040	.187	-.523	105	140	-.666	.182	- .191	-1.508
90	806	-.801	.108	.518	-.265	90	855	-.316	.046	.168	-.473	105	141	-.631	.192	- .142	-1.580
90	807	.865	.134	.420	-.477	90	856	-.303	.040	.132	-.420	105	142	-.389	.123	- .012	-1.970
90	808	-.216	.242	.403	-.324	90	857	-.297	.042	.132	-.444	105	143	-.303	.071	- .059	-1.669
90	809	-.167	.088	.142	-.537	90	858	-.317	.040	.172	-.466	105	144	-.319	.069	- .128	-1.557
90	810	-.212	.080	.082	-.569	90	859	-.312	.034	.164	-.421	105	145	-.516	.126	- .211	-1.379
90	811	-.212	.076	.043	-.477	90	860	-.328	.046	.172	-.604	105	146	-.510	.119	- .149	-1.056
90	812	-.254	.067	.002	-.482	90	861	-.316	.036	.179	-.495	105	147	-.383	.111	- .042	-1.896
90	813	.301	.060	.037	-.545	90	862	-.318	.037	.193	-.447	105	148	-.272	.066	- .061	-1.650
90	814	-.474	.061	.289	-.804	90	863	-.312	.037	.152	-.516	105	149	-.238	.059	- .014	-1.583
90	815	-.024	.261	.795	-.921	105	864	-.329	.041	.149	-.534	105	150	-.482	.123	- .225	-1.115
90	816	.521	.063	.314	.767	105	865	1.01	.338	.087	-.038	105	151	-.231	.055	- .061	-1.518
90	817	.085	.172	.648	-.765	105	866	1.02	.497	.119	-.070	105	152	-.492	.130	- .185	-1.538
90	818	.074	.107	.488	-.445	105	867	1.03	.669	.089	-.389	105	153	-.480	.124	- .138	-1.159
90	819	-.022	.082	.335	-.216	105	868	1.04	.082	.094	-.198	105	154	-.321	.114	- .045	-1.999
90	820	-.161	.052	.041	-.385	105	869	1.05	.100	.084	-.287	105	155	-.240	.069	- .000	-1.625
90	821	-.528	.087	.280	-.855	105	870	1.07	.525	.105	-.177	105	156	-.212	.059	- .120	-1.640
90	822	.020	.158	.630	-.646	105	871	1.08	.082	.195	-.280	105	157	-.333	.052	- .162	-1.671

APPENDIX A -- PRESSURE DATA:

HIMES ONE BUILDING -- MINNEAPOLIS , MINNESOTA

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
105	159	- .334	.065	- .135	- .821	105	209	- .330	.052	- .155	.558	105	260	- .252	.040	- .120	.430
105	160	- .349	.080	- .116	- .820	105	210	- .343	.055	- .168	.576	105	261	- .207	.076	- .074	.464
105	161	- .352	.076	- .139	- .745	105	211	- .331	.048	- .182	.571	105	263	- .224	.043	- .065	.416
105	162	- .330	.046	- .186	- .587	105	212	- .334	.039	- .205	.576	105	264	- .167	.085	- .155	.740
105	163	- .333	.059	- .179	- .674	105	213	- .350	.063	- .185	.691	105	265	- .189	.056	- .062	.360
105	164	- .348	.051	- .220	- .621	105	214	- .363	.069	- .148	.719	105	301	- .331	.106	- .031	.752
105	165	- .341	.048	- .202	- .696	105	215	- .274	.045	- .127	.488	105	302	- .555	.099	- .166	.911
105	166	- .342	.049	- .177	- .577	105	216	- .294	.040	- .152	.453	105	303	- .804	.119	- .446	- .1234
105	167	- .332	.044	- .198	- .543	105	217	- .339	.063	- .191	.725	105	304	- .235	.114	- .065	.679
105	168	- .347	.052	- .185	- .704	105	218	- .389	.084	- .146	.984	105	305	- .254	.069	- .021	.504
105	169	- .392	.075	- .188	- .891	105	219	- .235	.046	- .049	.437	105	306	- .185	.109	- .207	.509
105	170	- .385	.072	- .196	- .872	105	220	- .257	.039	- .123	.459	105	307	- .178	.095	- .174	.551
105	171	- .373	.066	- .200	- .688	105	221	- .276	.048	- .136	.477	105	308	- .419	.104	- .131	.905
105	172	- .383	.063	- .171	- .692	105	222	- .296	.073	- .110	.677	105	309	- .476	.137	- .066	- .164
105	173	- .368	.059	- .211	- .629	105	223	- .219	.043	- .049	.421	105	310	- .510	.132	- .084	- .145
105	174	- .417	.083	- .179	- .865	105	224	- .239	.034	- .127	.370	105	311	- .544	.139	- .049	- .397
105	175	- .398	.086	- .142	- .804	105	225	- .212	.044	- .054	.439	105	312	- .586	.140	- .024	- .323
105	176	- .391	.090	- .147	- .829	105	226	- .222	.036	- .081	.372	105	313	- .599	.129	- .164	- .126
105	177	- .361	.074	- .167	- .782	105	228	- .230	.038	- .074	.370	105	314	- .580	.112	- .225	- .140
105	178	- .349	.065	- .174	- .775	105	229	- .227	.040	- .033	.355	105	315	- .415	.124	- .093	.934
105	179	- .351	.088	- .154	- .958	105	230	- .255	.060	- .005	.571	105	316	- .593	.112	- .254	- .043
105	180	- .356	.102	- .118	- .990	105	231	- .000	.000	- .000	.000	105	317	- .230	.089	- .024	.607
105	181	- .325	.091	- .095	- .1098	105	232	- .208	.035	- .076	.345	105	318	- .417	.103	- .042	.807
105	182	- .302	.069	- .094	- .726	105	233	- .286	.049	- .127	.500	105	319	- .523	.103	- .007	- .066
105	183	- .289	.059	- .103	- .622	105	234	- .249	.040	- .111	.432	105	320	- .537	.091	- .280	- .030
105	184	- .296	.071	- .100	- .750	105	235	- .231	.036	- .090	.384	105	321	- .524	.089	- .272	.912
105	185	- .279	.062	- .087	- .603	105	236	- .250	.076	- .002	.580	105	322	- .426	.113	- .068	.887
105	186	- .262	.050	- .097	- .495	105	237	- .000	.000	- .000	.000	105	323	- .426	.088	- .024	.759
105	187	- .271	.048	- .117	- .514	105	238	- .228	.041	- .014	.383	105	324	- .487	.083	- .013	.865
105	188	- .268	.053	- .061	- .524	105	239	- .305	.055	- .132	.555	105	325	- .470	.074	- .245	.907
105	189	- .232	.055	- .011	- .564	105	240	- .251	.034	- .123	.377	105	326	- .463	.072	- .251	.878
105	190	- .219	.056	- .027	- .607	105	241	- .000	.000	- .000	.000	105	327	- .392	.130	- .061	.953
105	191	- .222	.052	- .052	- .477	105	242	- .238	.095	- .012	.670	105	328	- .374	.067	- .140	.875
105	192	- .224	.046	- .058	- .502	105	243	- .203	.058	- .039	.393	105	329	- .351	.128	- .103	.918
105	193	- .208	.040	- .060	- .412	105	244	- .295	.077	- .039	.587	105	330	- .359	.097	- .106	.755
105	194	- .213	.054	- .056	- .627	105	245	- .245	.041	- .074	.394	105	331	- .390	.071	- .111	.718
105	195	- .261	.038	- .139	- .506	105	246	- .257	.044	- .095	.478	105	332	- .376	.062	- .209	.719
105	196	- .322	.062	- .140	- .609	105	247	- .272	.062	- .044	.536	105	333	- .362	.061	- .193	.792
105	197	- .294	.053	- .140	- .575	105	248	- .242	.047	- .023	.409	105	334	- .474	.090	- .013	.817
105	198	- .304	.048	- .168	- .592	105	249	- .265	.075	- .002	.553	105	335	- .407	.086	- .022	.750
105	199	- .308	.057	- .118	- .751	105	250	- .224	.061	- .012	.522	105	336	- .418	.092	- .057	.788
105	200	- .349	.070	- .154	- .722	105	251	- .262	.095	- .055	.673	105	337	- .481	.102	- .101	.865
105	201	- .302	.047	- .152	- .694	105	252	- .210	.043	- .000	.393	105	338	- .096	.219	- .346	- .896
105	202	- .341	.050	- .184	- .603	105	253	- .231	.109	- .106	.862	105	339	- .522	.090	- .156	.859
105	203	- .314	.038	- .145	- .586	105	254	- .182	.065	- .111	.380	105	340	- .073	.196	- .338	- .828
105	204	- .319	.035	- .210	- .484	105	255	- .242	.041	- .079	.428	105	341	- .500	.075	- .245	.759
105	205	- .327	.042	- .174	- .520	105	256	- .000	.000	- .000	.000	105	342	- .437	.068	- .108	.781
105	206	- .373	.054	- .168	- .636	105	257	- .218	.067	- .088	.468	105	343	- .453	.081	- .136	.936
105	207	- .341	.045	- .214	- .571	105	258	- .176	.072	- .081	.476	105	344	- .558	.152	- .197	- .331
105	208	- .340	.039	- .227	- .569	105	259	- .246	.046	- .030	.469	105	345	- .112	.225	- .439	- .994

APPENDIX A -- PRESSURE DATA:

HINES ONE BUILDING -- MINNEAPOLIS - MINNESOTA

TAP	CPMEAN	CPRMS	CPMAX	CPMIN	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
146	.424	.056	.221	.644	397	.125	.097	.463	.195	397	.669	.092	.399	.180
147	.434	.057	.211	.645	398	.187	.102	.641	.103	398	.670	.099	.412	.205
148	.450	.068	.177	.768	399	.114	.077	.446	.183	399	.670	.090	.414	.205
149	.550	.122	.174	.193	400	.176	.095	.551	.096	400	.670	.058	.155	.605
150	.570	.245	.463	.615	401	.112	.073	.435	.049	401	.670	.037	.121	.532
151	.596	.211	.362	.662	402	.198	.097	.545	.307	402	.670	.187	.181	.590
152	.596	.057	.158	.591	403	.080	.056	.351	.456	403	.670	.145	.478	.552
153	.596	.077	.463	.543	404	.025	.093	.426	.335	404	.670	.054	.082	.624
154	.596	.109	.577	.178	405	.042	.096	.517	.196	405	.670	.069	.046	.654
155	.596	.117	.597	.186	406	.146	.088	.373	.298	406	.670	.107	.011	.610
156	.596	.192	.203	.614	407	.046	.082	.294	.174	407	.670	.184	.429	.490
157	.596	.211	.231	.614	408	.047	.069	.323	.233	408	.670	.056	.025	.575
158	.596	.442	.431	.415	409	.011	.073	.620	.134	409	.670	.036	.073	.375
159	.596	.140	.494	.415	410	.082	.091	.291	.124	410	.670	.034	.095	.378
160	.596	.167	.525	.333	411	.058	.067	.221	.120	411	.670	.044	.110	.354
161	.596	.252	.579	.510	412	.009	.056	.286	.230	412	.670	.047	.110	.354
162	.596	.253	.123	.172	413	.003	.059	.221	.120	413	.670	.050	.147	.529
163	.596	.184	.041	.349	414	.031	.053	.219	.168	414	.670	.060	.166	.508
164	.596	.087	.044	.684	415	.007	.066	.258	.277	415	.670	.125	.220	.460
165	.596	.165	.594	.360	416	.559	.101	.138	.885	416	.670	.079	.180	.490
166	.596	.179	.859	.322	417	.384	.098	.291	.727	417	.670	.056	.166	.508
167	.596	.164	.783	.481	418	.109	.087	.282	.425	418	.670	.060	.106	.508
168	.596	.093	.068	.768	419	.675	.086	.387	.973	419	.670	.125	.214	.460
169	.596	.146	.634	.452	420	.552	.094	.382	.993	420	.670	.073	.182	.466
170	.596	.190	.171	.795	421	.243	.083	.325	.586	421	.670	.042	.241	.657
171	.596	.157	.781	.275	422	.531	.102	.180	.940	422	.670	.053	.005	.319
172	.596	.124	.203	.810	423	.420	.119	.110	.001	423	.670	.070	.132	.508
173	.596	.144	.776	.093	424	.411	.115	.071	.003	424	.670	.098	.201	.503
174	.596	.104	.166	.755	425	.449	.122	.091	.199	425	.670	.175	.230	.700
175	.596	.111	.446	.302	426	.479	.093	.102	.981	426	.670	.054	.277	.388
176	.596	.129	.708	.121	427	.483	.084	.183	.924	427	.670	.049	.032	.334
177	.596	.129	.747	.096	428	.476	.072	.163	.807	428	.670	.063	.072	.577
178	.596	.149	.471	.784	429	.418	.105	.092	.915	429	.670	.106	.295	.130
179	.596	.095	.370	.272	430	.316	.046	.189	.525	430	.670	.070	.206	.286
180	.596	.122	.543	.144	431	.426	.100	.152	.853	431	.670	.060	.295	.765
181	.596	.056	.125	.359	432	.518	.071	.189	.750	432	.670	.021	.021	.368
182	.596	.057	.091	.405	433	.491	.069	.219	.859	433	.670	.095	.421	.281
183	.596	.101	.404	.161	434	.497	.059	.213	.737	434	.670	.026	.492	.730
184	.596	.085	.401	.277	435	.521	.057	.283	.722	435	.670	.078	.078	.241
185	.596	.053	.083	.380	436	.522	.069	.105	.684	436	.670	.036	.049	.232
186	.596	.098	.532	.298	437	.406	.110	.074	.797	437	.670	.062	.083	.457
187	.596	.022	.081	.379	438	.597	.099	.273	.024	438	.670	.094	.094	.141
188	.596	.092	.382	.275	439	.592	.079	.368	.924	439	.670	.062	.062	.436
189	.596	.094	.640	.106	440	.587	.076	.368	.899	440	.670	.139	.464	.412
190	.596	.059	.669	.334	441	.604	.080	.370	.986	441	.670	.112	.623	.108
191	.596	.084	.463	.135	442	.641	.088	.389	.117	442	.670	.127	.116	.634
192	.596	.067	.340	.228	443	.628	.088	.405	.067	443	.670	.116	.661	.356
193	.596	.047	.077	.378	444	.530	.077	.360	.899	444	.670	.127	.116	.111
194	.596	.171	.130	.638	445	.549	.077	-	-	445	.670	-	-	-

APPENDIX A -- PRESSURE DATA:

HIMES DOME BUILDING -- MINNEAPOLIS , MINNESOTA

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
105	582	- .070	.094	.270	- .477	105	722	- .253	.048	- .107	.542	105	817	- .022	.173	.543	- .692
105	583	- .037	.101	.357	- .346	105	723	- .162	.057	- .127	.578	105	818	- .039	.125	.476	- .683
105	584	- .062	.114	.416	- .331	105	724	- .251	.062	- .058	.564	105	819	- .038	.076	.398	- .170
105	585	- .116	.120	.502	- .252	105	725	- .252	.066	- .098	.368	105	820	- .124	.466	.253	- .765
105	586	- .099	.126	.537	- .318	105	726	- .231	.037	- .105	.381	105	821	- .015	.076	.343	- .343
105	587	- .059	.127	.496	- .309	105	727	- .204	.057	- .049	.299	105	822	- .045	.151	.524	- .658
105	588	- .103	.136	.576	- .342	105	728	- .152	.050	- .019	.299	105	823	- .074	.115	.464	- .431
105	589	- .377	.152	.835	- .030	105	729	- .108	.056	- .095	.323	105	824	- .104	.094	.468	- .175
105	590	- .446	.164	1.032	- .046	105	730	- .033	.086	- .336	.235	105	825	- .103	.104	.487	- .201
105	591	- .103	.146	.659	- .398	105	731	- .125	.070	- .110	.389	105	826	- .597	.104	.292	- .124
105	592	- .334	.150	.803	- .081	105	732	- .125	.045	- .096	.320	105	827	- .549	.080	.244	- .950
105	593	- .364	.156	.868	- .058	105	733	- .194	.116	- .716	.070	105	828	- .518	.081	.219	- .821
105	594	- .096	.137	.594	- .282	105	734	- .135	.096	- .461	.140	105	829	- .401	.073	.133	- .764
105	595	- .154	.145	.673	- .227	105	735	- .161	.106	- .542	.124	105	830	- .323	.054	.091	- .545
105	596	- .262	.156	.823	- .113	105	736	- .134	.106	- .544	.127	105	831	- .673	.092	.376	- .969
105	597	- .036	.134	.583	- .179	105	737	- .119	.091	- .491	.116	105	832	- .360	.055	.167	- .598
105	598	- .173	.113	.576	- .139	105	738	- .150	.109	- .590	.112	105	833	- .870	.209	.344	- .774
105	599	- .199	.120	.743	- .065	105	739	- .113	.107	- .500	.124	105	834	- .301	.069	.089	- .641
105	600	- .125	.126	.668	- .176	105	740	- .189	.066	- .426	.045	105	835	- .314	.048	.161	- .497
105	601	- .124	.108	.361	- .465	105	741	- .182	.110	- .665	.077	105	836	- .340	.000	.000	- .000
105	602	- .133	.106	.645	- .208	105	742	- .126	.105	- .706	.140	105	837	- .347	.048	.174	- .526
105	603	- .117	.097	.519	- .122	105	743	- .169	.108	- .652	.087	105	838	- .000	.000	.000	- .000
105	604	- .163	.073	.201	- .425	105	744	- .160	.100	- .638	.151	105	839	- .000	.000	.000	- .000
105	605	- .029	.071	.331	- .224	105	745	- .070	.103	- .609	.244	105	840	- .000	.000	.000	- .000
105	606	- .199	.077	.115	- .500	105	746	- .341	.064	- .996	.590	105	841	- .059	.015	.109	- .000
105	607	- .000	.000	.000	- .000	105	747	- .063	.090	- .640	.178	105	842	- .220	.940	.126	- .433
105	608	- .062	.072	.331	- .136	105	748	- .015	.081	- .384	.301	105	843	- .306	.044	.189	- .493
105	609	- .003	.068	.305	- .229	105	749	- .028	.069	- .316	.191	105	844	- .000	.000	.000	- .000
105	610	- .193	.061	.069	- .424	105	750	- .010	.065	- .226	.266	105	845	- .326	.055	.157	- .560
105	611	- .247	.044	.087	- .428	105	751	- .068	.073	- .349	.190	105	846	- .324	.056	.139	- .547
105	612	- .237	.040	.080	- .401	105	752	- .102	.099	- .539	.207	105	847	- .340	.063	.129	- .628
105	613	- .232	.036	.099	- .390	105	753	- .128	.091	- .531	.151	105	848	- .346	.072	.108	- .665
105	614	- .228	.038	.091	- .401	105	754	- .065	.084	- .534	.275	105	849	- .376	.064	.182	- .669
105	615	- .207	.035	.029	- .361	105	801	- .398	.123	- .002	.782	105	850	- .358	.070	.184	- .609
105	616	- .239	.034	.125	- .377	105	802	- .238	.093	- .029	.690	105	851	- .368	.062	.216	- .599
105	617	- .234	.034	.116	- .372	105	803	- .117	.112	- .278	.497	105	852	- .356	.049	.234	- .545
105	618	- .235	.033	.119	- .361	105	804	- .325	.094	- .016	.712	105	853	- .337	.063	.163	- .654
105	619	- .227	.033	.116	- .437	105	805	- .319	.112	- .004	.731	105	854	- .372	.079	.176	- .702
105	620	- .240	.033	.129	- .448	105	806	- .741	.108	- .435	.176	105	855	- .335	.053	.120	- .551
105	621	- .229	.034	.114	- .426	105	807	- .850	.125	- .444	.318	105	856	- .356	.048	.203	- .533
105	622	- .241	.033	.125	- .437	105	808	- .436	.193	- .213	.977	105	857	- .367	.062	.203	- .683
105	623	- .229	.037	.094	- .352	105	809	- .172	.086	- .136	.712	105	858	- .367	.076	.166	- .971
105	624	- .251	.034	.145	- .370	105	810	- .183	.068	- .093	.377	105	859	- .248	.050	.044	- .421
105	625	- .254	.035	.147	- .479	105	811	- .172	.070	- .060	.371	105	860	- .64	.148	.693	
105	626	- .253	.033	.141	- .374	105	812	- .204	.067	- .033	.405	105	861	- .315	.068	.113	- .641
105	627	- .247	.034	.103	- .399	105	813	- .254	.063	- .004	.460	105	862	- .296	.056	.114	- .536
105	628	- .268	.035	.105	- .439	105	814	- .420	.051	- .246	.588	105	863	- .069	.072	.088	- .696
105	629	- .267	.037	.123	- .444	105	815	- .218	.045	- .508	-1.053	105	864	- .334	.117	.133	- .821
105	721	- .234	.046	.047	- .432	105	816	- .481	.062	- .303	.700	105	865	- .570	.122	.190	- .079

APPENDIX A -- PRESSURE DATA:

HINES ONE BUILDING -- MINNEAPOLIS , MINNESOTA

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
120	103	- .657	.088	- .380	- .965	120	153	- .555	.175	- .126	- 1.896	120	203	- .303	.049	- .161	- .584
120	104	- .221	.091	- .232	- .515	120	154	- .346	.146	.049	- 1.084	120	204	- .306	.048	- .157	- .529
120	105	- .257	.101	- .168	- .622	120	155	- .226	.085	.117	- .678	120	205	- .296	.056	- .125	- .524
120	106	- .364	.108	- .027	- 1.001	120	156	- .199	.084	.110	- .600	120	206	- .311	.062	- .135	- .647
120	107	- .620	.112	- .277	- 1.048	120	157	- .413	.126	.080	- 1.182	120	207	- .325	.053	- .177	- .674
120	108	- .724	.163	- .354	- 1.542	120	158	- .367	.107	.082	- 1.051	120	208	- .322	.049	- .186	- .632
120	109	- .748	.142	- .290	- 1.319	120	159	- .343	.096	.083	- .773	120	209	- .295	.054	- .123	- .602
120	110	- .710	.148	- .273	- 1.392	120	160	- .331	.094	.072	- 1.010	120	210	- .296	.054	- .101	- .580
120	111	- .622	.168	- .200	- 1.517	120	161	- .329	.078	.044	- .731	120	211	- .383	.072	- .155	- .717
120	112	- .481	.170	- .076	- 1.415	120	162	- .389	.107	.012	- .792	120	212	- .388	.066	- .179	.805
120	113	- .435	.178	- .152	- 1.424	120	163	- .315	.070	.131	- .697	120	213	- .367	.067	- .152	- .620
120	114	- .389	.129	- .027	- 1.143	120	164	- .391	.106	.082	- .945	120	214	- .367	.066	- .157	- .604
120	115	- .731	.130	- .363	- 1.440	120	165	- .349	.075	.135	- .696	120	215	- .318	.072	- .000	- .591
120	116	- .260	.100	- .021	- .953	120	166	- .336	.063	.119	- .571	120	216	- .375	.078	- .119	- .820
120	117	- .693	.147	- .334	- 1.349	120	167	- .314	.050	.136	- .557	120	217	- .478	.114	- .213	- 1.122
120	118	- .724	.161	- .263	- 1.567	120	168	- .323	.055	.161	- .704	120	218	- .552	.135	- .209	- 1.308
120	119	- .644	.181	- .126	- 1.368	120	169	- .414	.101	.131	- 1.125	120	219	- .219	.068	- .078	- .513
120	120	- .453	.149	.016	- 1.022	120	170	- .387	.086	.107	- .834	120	220	- .248	.059	- .000	- .491
120	121	- .426	.153	.002	- 1.094	120	171	- .361	.072	.154	- .831	120	221	- .299	.071	- .060	- .681
120	122	- .745	.179	- .344	- 1.670	120	172	- .349	.060	.161	- .652	120	222	- .377	.134	- .016	- 1.083
120	123	- .771	.192	- .294	- 1.857	120	173	- .330	.051	.153	- .623	120	223	- .198	.060	- .011	- .481
120	124	- .625	.186	- .094	- 1.323	120	174	- .419	.105	.079	- 1.065	120	224	- .214	.049	- .009	- .377
120	125	- .466	.150	- .019	- 1.235	120	175	- .386	.093	.113	- .789	120	225	- .189	.060	- .016	- .510
120	126	- .416	.120	- .126	- 1.031	120	176	- .389	.091	.122	- .875	120	226	- .195	.049	- .000	- .384
120	127	- .435	.135	- .070	- 1.111	120	177	- .363	.067	.137	- .717	120	228	- .196	.054	- .069	- .349
120	128	- .460	.146	- .076	- 1.160	120	178	- .364	.057	.179	- .666	120	229	- .186	.058	- .083	- .350
120	129	- .460	.139	- .023	- 1.064	120	179	- .351	.100	.002	- .771	120	230	- .152	.089	- .266	- .580
120	130	- .419	.131	- .025	- .939	120	180	- .340	.101	.072	- .865	120	231	- .000	.000	- .000	- .000
120	131	- .342	.122	- .035	- .930	120	181	- .313	.080	.110	- .724	120	232	- .158	.045	- .009	- .360
120	132	- .460	.139	- .085	- 1.015	120	182	- .305	.067	.058	- .592	120	233	- .256	.083	- .009	- .698
120	133	- .436	.143	- .005	- 1.069	120	183	- .303	.070	.041	- .672	120	234	- .235	.063	- .021	- .471
120	134	- .417	.127	- .039	- .944	120	184	- .294	.088	.027	- .660	120	235	- .181	.045	- .014	- .369
120	135	- .788	.198	- .329	- 1.822	120	185	- .265	.074	.069	- .652	120	236	- .145	.088	- .200	- .521
120	136	- .779	.210	- .110	- 1.928	120	186	- .242	.059	.027	- .627	120	237	- .000	.000	- .000	- .000
120	137	- .540	.180	- .026	- 1.310	120	187	- .252	.068	.025	- .593	120	238	- .155	.056	- .084	- .310
120	138	- .387	.121	- .025	- 1.017	120	188	- .249	.079	.017	- .580	120	239	- .214	.076	- .102	- .504
120	139	- .391	.096	- .082	- .843	120	189	- .222	.077	.040	- .632	120	240	- .214	.052	- .033	- .377
120	140	- .702	.197	- .253	- 1.915	120	190	- .203	.071	.049	- .613	120	241	- .000	.000	- .000	- .000
120	141	- .681	.200	- .082	- 1.749	120	191	- .200	.070	.022	- .555	120	242	- .158	.106	- .205	- .610
120	142	- .470	.171	- .014	- 1.131	120	192	- .183	.056	.083	- .425	120	243	- .148	.062	- .086	- .360
120	143	- .341	.114	- .063	- .818	120	193	- .195	.055	.029	- .596	120	244	- .222	.085	- .112	- .635
120	144	- .330	.096	- .023	- .815	120	194	- .203	.067	.018	- .591	120	245	- .189	.047	- .002	- .357
120	145	- .559	.147	- .192	- 1.518	120	195	- .218	.038	.083	- .350	120	246	- .268	.077	- .019	- .659
120	146	- .579	.148	- .190	- 1.404	120	196	- .320	.070	.128	- .657	120	247	- .295	.093	- .074	- .641
120	147	- .492	.162	- .026	- 1.121	120	197	- .290	.059	.083	- .571	120	248	- .242	.074	- .042	- .565
120	148	- .303	.113	- .012	- .799	120	198	- .298	.056	.126	- .577	120	249	- .242	.083	- .121	- .555
120	149	- .233	.082	- .028	- .629	120	199	- .293	.062	.101	- .721	120	250	- .208	.073	- .182	- .557
120	150	- .553	.153	- .219	- 1.359	120	200	- .310	.063	.119	- .590	120	251	- .246	.095	- .139	- .667
120	151	- .217	.087	- .079	- .726	120	201	- .294	.060	.110	- .721	120	252	- .174	.057	- .133	- .346
120	152	- .549	.162	- .186	- 1.572	120	202	- .299	.054	.148	- .548	120	253	- .207	.120	- .199	- .700

APPENDIX A -- PRESSURE DATA:

HINES ONE BUILDING -- MINNEAPOLIS , MINNESOTA

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	
1200	254	.093	.084	.203	-.417	1200	340	.692	.205	-.117	-1.688	1200	391	.153	.094	.542	-.083	
1200	255	-.201	.054	.019	-.365	1200	341	-.257	.084	.197	-.559	1200	392	.111	.075	.391	-.152	
1200	256	-.000	.000	.000	-.000	1200	342	-.203	.088	.204	-.572	1200	393	.147	.098	.531	-.084	
1200	257	-.125	.090	.216	-.522	1200	343	-.254	.120	.179	-.911	1200	394	.094	.074	.385	-.131	
1200	258	-.169	.090	.196	-.450	1200	344	-.400	.198	.167	-.526	1200	395	.103	.082	.440	-.104	
1200	259	-.201	.057	.067	-.413	1200	345	-.734	.228	-.181	-1.814	1200	396	.209	.135	.824	-.260	
1200	260	-.201	.047	-.033	-.365	1200	346	-.237	.088	.109	-.486	1200	397	.179	.109	.629	-.082	
1200	261	-.155	.090	.195	-.552	1200	347	-.202	.088	.160	-.486	1200	398	.209	.117	.769	-.242	
1200	263	-.211	.045	-.051	-.393	1200	348	-.232	.100	.224	-.739	1200	399	.152	.094	.598	-.137	
1200	264	-.114	.094	.279	-.549	1200	349	-.320	.144	.106	-.902	1200	400	.166	.097	.658	-.123	
1200	265	-.174	.066	.116	-.369	1200	350	-.734	.248	.007	-1.959	1200	401	.115	.082	.498	-.131	
1200	301	-.203	.093	.128	-.599	1200	351	-.219	.090	.142	-.662	1200	402	.189	.094	.687	-.045	
1200	302	.365	.119	.046	-.016	1200	352	-.554	.214	.019	-1.504	1200	403	.082	.064	.393	-.144	
1200	303	-.461	.130	.054	.941	1200	353	-.201	.097	.084	-.622	1200	404	.067	.097	.379	-.322	
1200	304	-.093	.094	.218	-.557	1200	354	-.132	.083	.188	-.427	1200	405	.079	.099	.456	-.405	
1200	305	-.108	.074	.233	-.475	1200	355	-.147	.111	.579	-.229	1200	406	.190	.097	.640	-.227	
1200	306	-.064	.100	.410	-.398	1200	356	-.260	.123	.142	-.151	1200	407	.090	.090	.447	-.307	
1200	307	-.056	.087	.264	-.431	1200	357	-.479	.174	.023	-1.259	1200	408	.091	.076	.395	-.116	
1200	308	-.212	.678	.660	-.527	1200	358	-.221	.117	.259	-.687	1200	409	.027	.080	.332	-.444	
1200	309	-.181	.102	.110	-.593	1200	359	-.034	.149	.542	-.572	1200	410	.123	.095	.450	-.450	
1200	310	-.186	.114	.134	-.695	1200	360	-.049	.160	.698	-.512	1200	411	.099	.074	.404	-.102	
1200	311	-.201	.124	.145	-.729	1200	361	-.170	.161	.715	-.368	1200	412	.032	.063	.301	-.178	
1200	312	-.244	.128	.190	-.735	1200	362	-.242	.185	1.006	-.647	1200	413	.030	.068	.346	-.194	
1200	313	-.275	.112	.119	-.705	1200	363	-.227	.124	.302	-.762	1200	414	.055	.060	.312	-.110	
1200	314	-.358	.147	.018	-.135	1200	364	-.358	.196	1.074	-.573	1200	415	.031	.067	.326	-.163	
1200	315	-.196	.068	.011	-.540	1200	365	-.241	.081	.111	-.586	1200	501	-.635	.115	.259	-.1068	
1200	316	-.352	.136	-.027	-.179	1200	366	-.107	.131	.850	-.286	1200	502	-.502	.118	.162	-.1118	
1200	317	-.087	.042	.133	-.316	1200	367	-.350	.174	.901	-.162	1200	503	-.273	.102	.182	-.751	
1200	318	-.161	.076	.177	-.430	1200	368	-.363	.180	1.028	-.245	1200	504	.684	.098	.397	-.0999	
1200	319	-.203	.118	.279	-.611	1200	369	-.235	.094	.111	-.554	1200	505	.680	.108	.390	-.194	
1200	320	-.307	.111	.286	-.847	1200	370	-.093	.120	.708	-.204	1200	506	.383	.106	.081	.790	
1200	321	-.313	.096	.032	-.862	1200	371	-.227	.154	.798	-.165	1200	507	.635	.115	.257	-.0699	
1200	322	-.2229	.050	-.050	-.458	1200	372	-.238	.155	.872	-.202	1200	508	.324	.084	.078	-.799	
1200	323	-.167	.082	.107	-.493	1200	373	-.155	.109	.611	-.533	1200	509	.353	.123	.035	-.805	
1200	324	-.217	.130	.149	-.703	1200	374	-.215	.123	.737	-.069	1200	510	.425	.132	.081	-.922	
1200	325	-.310	.124	.215	-.878	1200	375	-.200	.092	.133	-.560	1200	511	.513	.140	.019	-.167	
1200	326	-.310	.094	.084	-.800	1200	376	-.044	.084	.424	-.238	1200	512	.593	.139	.123	-.432	
1200	327	-.185	.049	-.005	-.414	1200	377	-.188	.105	.720	-.109	1200	513	.626	.131	.203	-.218	
1200	328	-.273	.114	.105	-.784	1200	378	-.200	.109	.806	-.087	1200	514	.598	.098	.331	-.035	
1200	329	-.164	.045	.000	-.420	1200	379	-.023	.129	.542	-.564	1200	515	.313	.086	.075	-.732	
1200	330	-.126	.064	.073	-.419	1200	381	-.113	.094	.482	-.157	1200	516	.432	.081	.229	-.763	
1200	331	-.137	.099	.137	-.607	1200	382	-.164	.110	.715	-.091	1200	517	.306	.095	.030	-.840	
1200	332	-.234	.127	.103	-.807	1200	383	-.014	.111	.478	-.487	1200	518	.372	.121	.000	-.873	
1200	333	-.261	.127	.059	-.001	1200	384	-.098	.086	.450	-.220	1200	519	.541	.117	.112	-.050	
1200	334	-.250	.097	.104	-.636	1200	385	-.118	.095	.480	-.166	1200	520	.592	.091	.291	-.964	
1200	335	-.215	.095	.117	-.660	1200	386	-.097	.085	.497	-.145	1200	521	.558	.089	.329	-.907	
1200	336	-.259	.115	.194	-.833	1200	387	-.094	.081	.397	-.118	1200	522	.232	.051	.002	-.435	
1200	337	-.354	.140	.086	-.945	1200	388	-.191	.105	.585	-.062	1200	523	.186	.085	.101	-.564	
1200	338	-.705	.224	-.057	-.1	-.628	1200	389	-.071	.081	.367	-.285	1200	524	.469	.191	.012	-.186
1200	339	-.274	.098	.062	-.797	1200	390	-.070	.087	.387	-.349	1200	525	.712	.142	.264	-.530	

APPENDIX A -- PRESSURE DATA:

HINES ONE BUILDING -- MINNEAPOLIS , MINNESOTA

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
526	- .687	.128	- .320	- 1.364		526	.576	.153	.143	.681	- .378	120	.715	- .222	.049	.060	- 419
527	- .716	.138	- .330	- 1.742		527	.577	- .180	.058	.031	- .405	120	.716	- .217	.044	.058	- 402
528	- .753	.135	- .269	- 1.531		528	.578	.178	.105	.596	- .079	120	.717	- .214	.041	.043	- 383
529	- .723	.149	- .329	- 1.441		529	.579	.182	.107	.645	- .056	120	.718	- .230	.047	.063	- 424
530	- .713	.143	- .366	- 1.290		530	.580	.172	.107	.655	- .093	120	.720	- .224	.045	.067	- 391
531	- .626	.130	- .295	- 1.134		531	.581	.161	.116	.595	- .170	120	.721	- .224	.040	.063	- 401
532	- .768	.158	- .362	- 1.505		532	.582	.065	.116	.466	- .248	120	.722	- .238	.042	.081	- 406
533	- .735	.152	- .371	- 1.406		533	.583	.082	.109	.471	- .205	120	.723	- .167	.059	.181	- 325
534	- .714	.147	- .380	- 1.329		534	.584	.074	.119	.467	- .239	120	.724	- .254	.050	.103	- 512
535	- .325	.063	- .117	- 6.553		535	.585	.066	.121	.521	- .321	120	.725	- .210	.069	.000	- 508
536	- .244	.060	- .002	- 5.551		536	.586	.023	.119	.475	- .443	120	.726	- .159	.054	.063	- 314
537	- .188	.061	- .019	- 5.202		537	.587	.272	.146	.692	- .130	120	.727	- .153	.060	.112	- 331
538	- .664	.226	- .118	- 1.533		538	.589	.314	.155	.860	- .088	120	.728	- .099	.050	.094	- 256
539	- .781	.181	- .358	- 1.623		539	.590	.435	.161	.921	- .032	120	.728	- .099	.050	.094	- 256
540	- .381	.118	- .009	- .907		540	.591	.361	.150	.806	- .030	120	.729	- .046	.058	.208	- 239
541	- .304	.091	- .065	- .648		541	.592	.277	.154	.774	- .163	120	.730	- .088	.082	.401	- 141
542	- .199	.079	- .067	- .632		542	.593	.399	.149	.837	- .023	120	.731	- .058	.075	.229	- 329
543	- .209	.081	- .115	- .641		543	.595	.328	.136	.918	- .016	120	.732	- .074	.048	.095	- 263
544	- .767	.200	- .333	- 1.730		544	.596	.002	.114	.485	- .430	120	.733	- .253	.127	.753	- .030
545	- .146	.092	- .212	- 6.225		545	.597	.273	.141	.756	- .074	120	.734	- .192	.101	.638	- .045
546	- .147	.069	- .127	- 3.68		546	.598	.324	.148	.814	- .046	120	.735	- .221	.113	.653	- .035
547	- .201	.051	- .028	- 4.19		547	.599	.223	.140	.729	- .123	120	.736	- .212	.111	.611	- 102
548	- .185	.042	- .043	- 3.557		548	.600	.099	.115	.358	- .490	120	.737	- .182	.105	.571	- .096
549	- .128	.040	- .023	- 2.85		549	.601	.237	.133	.791	- .151	120	.738	- .228	.113	.624	- .075
550	- .388	.055	- .107	- 5.81		550	.602	.229	.126	.733	- .095	120	.739	- .175	.108	.591	- 123
551	- .257	.057	- .023	- 4.63		551	.603	.111	.113	.566	- .317	120	.740	- .217	.073	.431	- .021
552	- .227	.063	- .059	- 4.68		552	.604	.176	.104	.242	- .548	120	.741	- .213	.118	.760	- .063
553	- .164	.075	- .105	- 4.36		553	.605	.147	.110	.593	- .202	120	.742	- .156	.105	.694	- 110
554	- .228	.151	- .178	- 7.76		554	.606	.125	.098	.526	- .146	120	.743	- .201	.116	.724	- .059
555	- .336	.055	- .096	- 6.13		555	.608	.182	.075	.088	- .483	120	.744	- .206	.116	.753	- .073
556	- .047	.198	- .487	- 8.03		556	.609	.054	.081	.519	- .195	120	.745	- .113	.118	.643	- .218
557	- .374	.056	- .138	- 5.92		557	.610	.223	.080	.019	- .501	120	.746	- .151	.092	.443	- .485
558	- .095	.069	- .157	- 2.89		558	.611	.000	.000	.000	- .000	120	.747	- .105	.102	.634	- .142
559	- .018	.090	- .332	- 2.15		559	.612	.089	.080	.550	- .121	120	.748	- .012	.088	.386	- .294
560	- .090	.108	- .444	- 2.01		560	.613	.005	.069	.295	- .191	120	.749	- .052	.076	.374	- 164
561	- .009	.191	- .513	- 6.93		561	.614	.208	.070	.012	- .550	120	.750	- .038	.072	.331	- 216
562	- .436	.073	- .185	- 7.46		562	.601	.191	.049	.025	- .372	120	.751	- .089	.080	.378	- .149
563	- .124	.060	- .124	- 3.27		563	.602	.179	.047	.007	- .406	120	.752	- .150	.096	.538	- .140
564	- .005	.078	- .246	- 2.32		564	.603	.173	.043	.025	- .306	120	.753	- .179	.096	.585	- .112
565	- .092	.096	- .432	- 1.75		565	.604	.178	.043	.051	- .363	120	.754	- .108	.083	.415	- .113
566	- .019	.173	- .514	- 7.18		566	.605	.151	.041	.009	- .228	120	.801	- .128	.106	.261	- .485
567	- .424	.082	- .175	- 6.97		567	.606	.187	.040	.038	- .309	120	.802	- .097	.091	.324	- .464
568	- .087	.060	- .151	- 2.93		568	.607	.194	.040	.049	- .313	120	.803	- .002	.099	.459	- .359
569	- .028	.086	- .341	- 2.17		569	.608	.187	.039	.047	- .306	120	.804	- .146	.091	.190	- .602
570	- .107	.103	- .498	- 2.04		570	.609	.188	.040	.031	- .349	120	.805	- .156	.102	.140	- .650
571	- .072	.185	- .664	- 7.02		571	.610	.204	.040	.054	- .365	120	.806	- .419	.123	.041	- .922
572	- .289	.079	- .026	- 6.73		572	.611	.191	.040	.040	- .365	120	.807	- .486	.143	.118	- 1.026
573	- .020	.082	- .362	- 2.22		573	.612	.208	.043	.063	- .375	120	.808	- .192	.172	.505	- .754
574	.113	.099	.449	- 1.32		574	.613	.182	.042	.038	- .320	120	.809	- .069	.063	.208	- .414
575	.157	.111	.608	- 1.29		575	.614	.205	.042	.054	- .352	120	.810	- .081	.061	.173	- .310

APPENDIX A -- PRESSURE DATA:
HINES ONE BUILDING -- MINNEAPOLIS , MINNESOTA

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
811	- .076	.060	.167	-.302	.115	120	861	-.300	.058	-.099	-.544	135	147	-.419	.158	.002	-.1.102
812	- .103	.057	.167	-.333	.357	120	862	-.276	.048	-.123	-.500	135	148	-.244	.097	.103	-.652
813	- .153	.054	.059	-.475	.475	120	863	-.266	.049	-.134	-.814	135	149	-.205	.081	.037	-.497
814	- .304	.047	-.123	-.475	.847	135	101	-.217	.100	-.226	-.725	135	150	-.601	.166	.125	-.1.330
815	- .084	.216	.695	-.847	.584	135	102	-.457	.151	-.071	-.1.042	135	151	-.186	.080	.096	-.569
816	- .356	.057	-.172	-.584	.490	135	103	-.703	.132	-.274	-.1.252	135	152	-.589	.174	.158	-.1.770
817	- .024	.144	.498	-.490	.325	135	104	-.008	.150	-.472	-.433	135	153	-.565	.174	.105	-.2.061
818	- .084	.087	.358	-.325	.137	135	105	-.094	.151	-.383	-.647	135	154	-.327	.153	.138	-.1.041
819	- .069	.069	.333	-.325	.126	135	106	-.211	.071	-.034	-.484	135	155	-.207	.091	.027	-.560
820	- .069	.049	.126	-.268	.672	135	107	-.523	.125	-.111	-.972	135	156	-.171	.081	.049	-.617
821	- .394	.073	-.164	-.672	.516	135	108	-.711	.142	-.346	-.1.696	135	157	-.441	.112	.153	-.956
822	- .007	.127	.516	-.575	.425	135	109	-.778	.155	-.289	-.1.655	135	158	-.416	.106	.130	-.951
823	.078	.102	.410	-.425	.172	135	110	-.767	.172	-.285	-.1.567	135	159	-.372	.082	.128	-.867
824	.112	.092	.425	-.425	.172	135	111	-.712	.199	-.253	-.1.951	135	160	-.348	.069	.138	-.724
825	.126	.097	.460	-.166	.135	135	112	-.601	.197	-.078	-.490	135	161	-.343	.062	.153	-.707
826	.123	.100	.441	-.152	.135	135	113	-.556	.197	-.035	-.464	135	162	-.436	.110	.095	-.993
827	-.428	.094	-.167	-.908	.168	135	114	-.477	.138	-.098	-.204	135	163	-.344	.054	.190	-.710
828	-.389	.072	-.168	-.710	.135	135	115	-.707	.127	-.339	-.1.338	135	164	-.419	.085	.166	-.843
829	-.376	.072	-.153	-.729	.135	135	116	-.295	.094	-.055	-.842	135	165	-.386	.067	.155	-.821
830	-.277	.068	-.035	-.570	.135	135	117	-.750	.191	-.285	-.1.767	135	166	-.380	.062	.183	-.691
831	.219	.055	-.035	-.441	.135	135	118	-.756	.185	-.265	-.1.592	135	167	-.365	.051	.204	-.861
832	-.494	.094	-.247	-.861	.135	135	119	-.617	.160	-.137	-.637	135	168	-.377	.051	.217	-.616
833	-.265	.058	.109	-.481	.135	135	120	-.446	.104	-.060	-.998	135	169	-.424	.090	.185	-.910
834	-.753	.181	-.233	-.389	.135	135	121	-.429	.100	-.086	-.929	135	170	-.410	.087	.155	-.482
835	-.068	.125	-.581	.135	135	122	-.869	.231	-.399	-.2.139	135	171	-.391	.069	.201	-.730	
836	-.271	.053	-.082	-.463	.135	135	123	-.789	.209	-.246	-.1.790	135	172	-.396	.063	.182	-.714
837	-.000	.000	-.000	-.000	.135	135	124	-.566	.148	-.167	-.321	135	173	-.382	.060	.144	-.652
838	-.268	.055	-.102	-.577	.135	135	125	-.446	.105	-.107	-.999	135	174	-.398	.107	.067	-.853
839	-.000	.000	-.000	-.000	.135	135	126	-.413	.084	-.107	-.038	135	175	-.381	.102	.032	-.815
840	-.000	.000	-.000	-.000	.135	135	127	-.421	.097	-.139	-.1.622	135	176	-.387	.090	.107	-.805
841	-.074	.017	.151	-.013	.135	135	128	-.435	.099	-.163	-.090	135	177	-.363	.068	.141	-.687
842	-.242	.047	-.046	-.481	.135	135	129	-.452	.108	-.152	-.069	135	178	-.378	.074	.007	-.733
843	-.278	.049	-.073	-.493	.135	135	130	-.413	.102	-.128	-.892	135	179	-.293	.096	.009	-.810
844	-.000	.000	-.000	-.000	.135	135	131	-.335	.093	-.023	-.819	135	180	-.297	.102	.030	-.815
845	-.254	.070	.032	-.708	.135	135	132	-.438	.108	-.172	-.053	135	181	-.270	.081	.055	-.737
846	-.254	.070	.071	-.668	.135	135	133	-.423	.102	-.107	-.964	135	182	-.282	.076	.023	-.615
847	-.242	.072	-.017	-.635	.135	135	134	-.410	.098	-.119	-.949	135	183	-.281	.078	.027	-.586
848	-.234	.080	-.004	-.648	.135	135	135	-.881	.226	-.283	-.2.298	135	184	-.249	.096	.051	-.688
849	-.282	.076	-.048	-.721	.135	135	136	-.758	.204	-.201	-.799	135	185	-.233	.081	.015	-.653
850	-.246	.081	-.021	-.824	.135	137	137	-.524	.150	-.154	-.1.158	135	186	-.211	.065	.002	-.543
851	-.270	.059	-.087	-.600	.135	138	138	-.388	.093	-.098	-.997	135	187	-.224	.063	.023	-.571
852	-.274	.051	-.107	-.605	.135	139	139	-.381	.090	-.088	-.796	135	188	-.217	.071	.053	-.639
853	-.266	.056	-.080	-.628	.135	140	140	-.794	.187	-.192	-.081	135	189	-.193	.078	.029	-.586
854	-.273	.056	-.075	-.662	.135	141	141	-.740	.207	-.215	-.734	135	190	-.168	.063	.031	-.438
855	-.296	.056	-.092	-.518	.135	142	142	-.442	.147	-.062	-.1.163	135	191	-.176	.071	.022	-.669
856	-.289	.049	-.145	-.509	.135	143	143	-.662	.179	-.114	-.1.533	135	192	-.158	.057	.024	-.387
857	-.276	.047	-.137	-.658	.135	143	144	-.311	.094	-.019	-.805	135	193	-.163	.051	.011	-.512
858	-.265	.048	-.123	-.791	.135	144	145	-.286	.086	-.007	-.648	135	194	-.168	.055	.011	-.447
859	-.234	.048	-.154	-.406	.135	145	146	-.667	.162	-.271	-.1.718	135	195	-.241	.049	.054	-.379
860	-.263	.046	-.115	-.501	.135	146	146	-.662	.179	-.114	-.1.533	135	196	-.334	.052	.138	-.577

APPENDIX A -- PRESSURE DATA:

HINES ONE BUILDING -- MINNEAPOLIS , MINNESOTA

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
197	- .310	.050	- .067	- .521	1.35	248	- .246	.066	- .049	- .548	1.05	334	- .266	.075	.057	- .689	
198	- .317	.050	- .138	- .553	1.35	249	- .278	.088	- .005	- .681	335	- .262	.060	- .021	- .617		
199	- .314	.051	- .105	- .581	1.35	250	- .229	.072	- .030	- .620	336	- .268	.058	- .092	- .572		
200	- .321	.049	- .114	- .548	1.35	251	- .312	.103	- .005	- .748	337	- .265	.058	- .099	- .631		
201	- .333	.045	- .187	- .534	1.35	252	- .182	.051	.044	- .403	338	- .261	.062	- .190	- .657		
202	- .364	.041	- .218	- .612	1.35	253	- .107	.131	.005	- .925	339	- .263	.062	- .027	- .749		
203	- .364	.048	- .214	- .646	1.35	254	- .208	.066	.042	- .420	340	- .263	.122	- .113	- .995		
204	- .337	.052	- .187	- .605	1.35	255	- .000	.000	.000	.000	341	- .254	.070	- .190	- .546		
205	- .338	.051	- .174	- .774	1.35	256	- .143	.091	.235	- .510	342	- .256	.065	- .055	- .626		
206	- .372	.072	- .136	- .917	1.35	257	- .131	.099	.230	- .459	343	- .250	.069	- .176	- .639		
207	- .379	.074	- .080	- .746	1.35	258	- .211	.070	.092	- .448	344	- .239	.074	- .032	- .628		
208	- .359	.093	- .051	- .981	1.35	260	- .220	.061	.007	- .421	345	- .293	.153	- .107	- .947		
209	- .357	.089	- .074	- .952	1.35	261	- .177	.094	.194	- .547	346	- .232	.084	- .201	- .665		
210	- .388	.090	- .033	- .966	1.35	262	- .211	.061	.009	- .409	347	- .239	.082	- .089	- .778		
211	- .400	.087	- .082	- .942	1.35	263	- .073	.094	.215	- .488	348	- .239	.082	- .038	- .791		
212	- .402	.108	- .049	- .039	1.35	264	- .179	.072	.115	- .392	349	- .218	.089	- .038	- .353		
213	- .401	.106	- .085	- .073	1.35	265	- .261	.107	.146	- .874	350	- .197	.115	- .043	- .875		
214	- .291	.079	.024	- .804	1.35	266	- .281	.091	.661	- .618	351	- .223	.129	- .171	- .992		
215	- .331	.086	- .049	- .989	1.35	267	- .258	.074	.094	- .594	352	- .161	.089	- .595	- .729		
216	- .428	.145	- .127	- .288	1.35	268	- .225	.104	.179	- .812	353	- .181	.074	- .082	- .590		
217	- .511	.191	- .112	- .626	1.35	269	- .231	.094	.044	- .713	354	- .075	.121	- .508	- .665		
218	- .186	.062	.029	- .423	1.35	270	- .165	.092	.230	- .685	355	- .183	.082	- .101	- .792		
219	- .212	.055	- .029	- .532	1.35	271	- .144	.080	.206	- .615	356	- .164	.086	- .158	- .653		
220	- .262	.073	- .091	- .734	1.35	272	- .151	.082	.215	- .518	357	- .281	.066	- .075	- .546		
221	- .349	.136	- .058	- .057	1.35	273	- .309	.142	.082	- .455	358	- .318	.070	- .032	- .652		
222	- .171	.055	.016	- .423	1.35	274	- .147	.077	.242	- .470	359	- .312	.079	- .054	- .764		
223	- .209	.041	- .049	- .379	1.35	275	- .160	.075	.131	- .492	360	- .322	.081	- .091	- .719		
224	- .159	.053	.004	- .380	1.35	276	- .193	.072	.089	- .546	361	- .323	.125	- .204	- .079		
225	- .172	.042	- .002	- .317	1.35	277	- .215	.070	.043	- .632	362	- .253	.062	- .007	- .531		
226	- .190	.042	- .016	- .336	1.35	278	- .239	.062	.032	- .497	363	- .370	.155	- .267	- .047		
227	- .184	.044	- .018	- .343	1.35	279	- .137	.081	.213	- .487	364	- .229	.051	- .032	- .442		
228	- .121	.095	.153	- .729	1.35	280	- .261	.068	.123	- .503	365	- .078	.128	- .548	- .104		
229	- .000	.000	.000	- .000	1.35	281	- .043	.061	.243	- .282	366	- .246	.081	- .091	- .387		
230	- .169	.053	.028	- .363	1.35	282	- .065	.091	.332	- .341	367	- .283	.161	- .558	- .361		
231	- .230	.084	- .002	- .704	1.35	283	- .087	.099	.363	- .424	368	- .367	.217	- .558	- .481		
232	- .244	.061	- .044	- .452	1.35	284	- .185	.086	.217	- .448	369	- .190	.064	- .045	- .582		
233	- .175	.050	.012	- .332	1.35	285	- .253	.088	.179	- .606	370	- .209	.096	- .116	- .865		
234	- .150	.099	.143	- .655	1.35	286	- .161	.059	.079	- .384	371	- .199	.167	- .552	- .230		
235	- .000	.000	.000	- .000	1.35	287	- .016	.087	.338	- .369	372	- .202	.223	- .656	- .399		
236	- .168	.061	.100	- .350	1.35	288	- .002	.114	.427	- .484	373	- .143	.079	- .147	- .779		
237	- .204	.086	.171	- .637	1.35	289	- .091	.107	.286	- .446	374	- .062	.182	- .553	- .469		
238	- .217	.059	.012	- .412	1.35	290	- .204	.100	.172	- .613	375	- .152	.073	- .114	- .233		
239	- .000	.000	.000	- .000	1.35	291	- .117	.059	.160	- .301	376	- .136	.084	- .233	- .599		
240	- .173	.122	.237	- .798	1.35	292	- .097	.104	.312	- .385	377	- .079	.128	- .499	- .662		
241	- .173	.073	.150	- .358	1.35	293	- .122	.053	.150	- .295	378	- .069	.140	- .534	- .701		
242	- .245	.097	.067	- .683	1.35	294	- .013	.064	.236	- .267	379	- .057	.082	- .360	- .313		
243	- .211	.061	.023	- .422	1.35	295	- .004	.086	.285	- .301	380	- .026	.079	- .325	- .330		
244	- .258	.082	.058	- .868	1.35	296	- .028	.093	.371	- .312	381	- .036	.070	- .485	- .169		
245	- .287	.090	.002	- .792	1.35	297	- .130	.083	.248	- .408	382	- .059	.081	- .295	- .346		
246	- .287	.090	.002	- .792	1.35	298	- .130	.083	.248	- .408	383	- .003	.098	- .320	- .442		

APPENDIX A -- PRESSURE DATA:

HINES ONE BUILDING -- MINNEAPOLIS , MINNESOTA

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
135	385	.046	.076	.334	-.195	135	520	.364	.219	.165	-.1.206	135	570	-.061	.099	.396	-.649
135	386	-.030	.101	.281	-.403	135	521	.524	.214	.277	-.1.470	135	571	-.240	.201	.435	-.033
135	387	.026	.099	.335	-.435	135	522	-.277	.067	.060	-.600	135	572	-.252	.084	.024	-.645
135	388	-.089	.090	.541	-.205	135	523	-.190	.068	.133	-.563	135	573	-.070	.050	.096	-.246
135	389	-.031	.089	.286	-.419	135	524	-.227	.121	.158	-.1.042	135	574	-.025	.062	.206	-.320
135	390	-.025	.116	.328	-.642	135	525	-.335	.162	.143	-.1.083	135	575	-.010	.084	.271	-.400
135	391	.044	.082	.349	-.286	135	526	-.381	.136	-.023	-.1.075	135	576	-.160	.186	.324	-.941
135	392	-.024	.107	.348	-.600	135	527	-.363	.147	.110	-.1.117	135	577	-.194	.062	.062	-.387
135	393	.117	.094	.515	-.302	135	528	-.334	.154	.005	-.993	135	578	-.026	.086	.383	-.245
135	394	-.025	.103	.312	-.450	135	529	-.305	.159	.127	-.1.125	135	579	-.020	.086	.404	-.271
135	395	.046	.101	.442	-.468	135	530	-.332	.146	.109	-.1.001	135	580	-.069	.092	.473	-.277
135	396	-.080	.160	.409	-.1.089	135	531	-.299	.122	.079	-.806	135	581	-.012	.165	.567	-.814
135	397	-.008	.149	.440	-.900	135	532	-.328	.149	.019	-.1.142	135	582	-.123	.208	.720	-.766
135	398	.036	.156	.593	-.822	135	533	-.342	.141	.077	-.1.029	135	583	-.098	.175	.650	-.573
135	399	.082	.130	.527	-.749	135	534	-.346	.126	.021	-.1.033	135	584	-.083	.171	.669	-.898
135	400	.140	.153	.741	-.583	135	535	-.325	.080	-.049	-.708	135	585	-.063	.159	.701	-.629
135	401	.165	.131	.653	-.486	135	536	-.240	.069	.005	-.530	135	586	-.065	.136	.538	-.662
135	402	.021	.125	.478	-.492	135	537	-.193	.081	.045	-.696	135	587	-.275	.247	1.007	-.521
135	403	.198	.117	.690	-.571	135	538	-.318	.157	.118	-.1.028	135	588	-.090	.203	.819	-.548
135	404	-.036	.122	.383	-.548	135	539	-.339	.142	-.014	-.944	135	589	-.195	.226	.999	-.535
135	405	.019	.099	.307	-.419	135	540	-.325	.123	.139	-.879	135	590	-.170	.235	.907	-.566
135	406	.081	.094	.462	-.223	135	541	-.267	.081	.042	-.616	135	591	-.003	.163	.648	-.569
135	407	-.050	.110	.407	-.489	135	542	-.225	.076	.012	-.544	135	592	-.150	.200	.819	-.508
135	408	-.041	.117	.336	-.597	135	543	-.265	.080	.040	-.591	135	593	-.166	.234	.905	-.629
135	409	.036	.083	.314	-.357	135	544	-.473	.206	-.026	-.1.414	135	594	-.101	.200	.540	-.771
135	410	.085	.095	.482	-.302	135	545	-.127	.096	.230	-.539	135	595	-.031	.137	.484	-.507
135	411	-.018	.098	.311	-.538	135	546	-.141	.078	.144	-.371	135	596	-.093	.163	.711	-.441
135	412	-.048	.118	.292	-.652	135	547	-.211	.053	.026	-.402	135	597	-.124	.187	.791	-.550
135	413	.092	.082	.419	-.170	135	548	-.186	.045	.005	-.326	135	598	-.100	.178	.471	-.872
135	414	.006	.105	.296	-.572	135	549	-.142	.044	.066	-.305	135	599	-.078	.141	.662	-.447
135	415	.075	.099	.370	-.602	135	550	-.248	.144	.496	-.699	135	600	-.205	.141	.810	-.215
135	501	-.679	.157	-.124	-.1.303	135	551	-.096	.157	.519	-.603	135	601	-.213	.147	.731	-.434
135	502	-.365	.135	.014	-.820	135	552	-.080	.163	.530	-.610	135	602	-.046	.139	.494	-.626
135	503	-.206	.104	.161	-.764	135	553	-.034	.163	.593	-.670	135	603	-.141	.117	.604	-.366
135	504	-.771	.137	-.319	-.1.336	135	554	-.013	.216	.628	-.093	135	604	-.202	.112	.762	-.212
135	505	-.786	.146	-.234	-.1.406	135	555	-.223	.146	.472	-.762	135	605	-.061	.112	.392	-.392
135	506	-.224	.075	-.007	-.602	135	556	-.083	.274	.953	-.974	135	606	-.169	.110	.687	-.088
135	507	-.589	.126	-.187	-.1.115	135	557	-.276	.137	.391	-.724	135	607	-.089	.133	.438	-.487
135	508	-.263	.048	-.095	-.527	135	558	-.071	.104	.449	-.396	135	608	-.000	.000	.000	-.000
135	509	-.175	.064	.042	-.436	135	559	-.013	.113	.484	-.428	135	612	-.157	.093	.512	-.138
135	510	-.171	.066	.137	-.468	135	560	-.010	.132	.600	-.638	135	613	-.083	.095	.567	-.259
135	511	-.189	.072	.051	-.671	135	561	-.091	.244	.633	-.074	135	614	-.160	.094	.397	-.438
135	512	-.229	.086	.059	-.889	135	562	-.252	.086	.185	-.579	135	615	-.190	.053	.053	-.376
135	513	-.349	.156	.054	-.1.240	135	563	-.125	.067	.250	-.444	135	616	-.048	.016	.345	-.345
135	514	-.723	.244	-.032	-.1.598	135	564	-.094	.074	.260	-.487	135	617	-.185	.048	.009	-.328
135	515	-.262	.044	-.030	-.472	135	565	-.063	.099	.284	-.520	135	618	-.175	.045	-.009	-.336
135	516	-.514	.200	.255	-.1.210	135	566	-.206	.197	.398	-.1.03	135	619	-.164	.048	-.004	-.321
135	517	-.284	.059	.091	-.544	135	567	-.228	.092	.164	-.657	135	620	-.199	.045	-.062	-.343
135	518	-.179	.074	.227	-.584	135	568	-.111	.059	.189	-.333	135	621	-.207	.045	-.078	-.349
135	519	-.170	.118	.257	-.865	135	569	-.070	.077	.270	-.469	135	622	-.200	.043	-.080	-.339

APPENDIX A -- PRESSURE DATA:

HINES ONE BUILDING -- MINNEAPOLIS, MINNESOTA

UD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	UD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	UD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
135	709	- .199	.044	- .058	- .352	135	805	- .260	.120	.096	- .902	135	855	- .285	.061	- .090	- .545
135	710	- .216	.045	- .076	- .354	135	806	- .263	.078	.131	- .592	135	856	- .282	.061	- .072	- .533
135	711	- .205	.044	- .065	- .363	135	807	- .274	.078	.009	- .546	135	857	- .279	.059	- .091	- .529
135	712	- .223	.047	- .071	- .366	135	808	- .172	.097	.316	- .616	135	858	- .267	.058	- .080	- .473
135	713	- .215	.052	- .031	- .381	135	810	- .136	.086	.212	- .469	135	859	- .247	.059	- .042	- .474
135	714	- .231	.053	- .011	- .428	135	811	- .103	.086	.235	- .409	135	860	- .263	.059	- .064	- .491
135	715	- .238	.056	- .036	- .416	135	812	- .112	.087	.278	- .432	135	861	- .280	.061	- .054	- .486
135	716	- .236	.052	- .038	- .493	135	813	- .126	.087	.332	- .468	135	863	- .260	.057	- .048	- .510
135	717	- .223	.049	- .056	- .365	135	814	- .218	.079	.186	- .475	135	864	- .264	.056	- .057	- .476
135	718	- .236	.054	- .051	- .403	135	815	- .126	.077	.407	- .835	150	101	- .332	.109	- .055	- .792
135	720	- .232	.056	- .013	- .428	135	816	- .238	.077	.108	- .715	150	102	- .387	.098	- .079	- .790
135	721	- .233	.055	- .029	- .392	135	817	- .025	.097	.415	- .326	150	103	- .581	.180	- .062	- .267
135	722	- .246	.061	- .074	- .481	135	818	- .018	.096	.498	- .312	150	104	- .310	.154	- .317	- .731
135	723	- .191	.060	- .042	- .434	135	819	- .042	.078	.350	- .329	150	105	- .421	.138	- .102	- .926
135	724	- .248	.062	- .040	- .439	135	820	- .046	.065	.253	- .282	150	106	- .241	.066	- .034	- .513
135	725	- .170	.066	- .020	- .454	135	821	- .000	.000	.000	- .000	150	107	- .452	.142	- .110	- .946
135	726	- .175	.061	.091	- .352	135	822	- .000	.000	.000	- .000	150	108	- .684	.183	- .308	- .001
135	727	- .181	.071	.082	- .376	135	823	- .000	.000	.000	- .000	150	109	- .690	.196	- .259	- .839
135	728	- .122	.051	.076	- .268	135	824	- .000	.000	.000	- .000	150	110	- .630	.188	- .219	- .824
135	729	- .102	.043	.160	- .247	135	825	- .039	.071	.366	- .176	150	111	- .581	.166	- .204	- .343
135	730	- .027	.057	.190	- .246	135	826	- .038	.070	.367	- .176	150	112	- .505	.138	- .197	- .146
135	731	- .173	.061	.061	- .364	135	827	- .038	.070	.365	- .182	150	113	- .519	.130	- .097	- .252
135	732	- .055	.048	.111	- .275	135	828	- .038	.071	.573	- .181	150	114	- .509	.114	- .219	- .063
135	733	- .144	.113	.616	- .142	135	829	- .284	.106	.32	- .739	150	115	- .692	.166	- .312	- .391
135	734	- .051	.078	.370	- .235	135	830	- .241	.085	- .006	- .706	150	116	- .370	.100	- .158	- .819
135	735	- .054	.088	.386	- .204	135	831	- .204	.073	.080	- .667	150	117	- .662	.157	- .203	- .723
135	736	- .010	.089	.353	- .350	135	832	- .429	.114	- .076	- .003	150	118	- .629	.152	- .176	- .282
135	737	- .060	.080	.353	- .268	135	833	- .000	.000	.000	- .000	150	119	- .505	.117	- .087	- .306
135	738	- .013	.095	.337	- .349	135	834	- .000	.000	.000	- .000	150	120	- .425	.081	- .190	- .964
135	739	- .039	.088	.356	- .431	135	835	- .000	.000	.000	- .000	150	121	- .470	.080	- .259	- .873
135	740	- .158	.064	.362	- .136	135	836	- .000	.000	.000	- .000	150	122	- .628	.188	- .140	- .836
135	741	- .145	.115	.607	- .337	135	837	- .000	.000	.000	- .000	150	123	- .586	.164	- .207	- .554
135	742	- .065	.093	.469	- .326	135	838	- .000	.000	.000	- .000	150	124	- .466	.095	- .161	- .066
135	743	- .090	.111	.484	- .417	135	839	- .000	.000	.000	- .000	150	125	- .427	.068	- .164	- .758
135	744	- .067	.115	.447	- .372	135	840	- .000	.000	.000	- .000	150	126	- .419	.061	- .214	- .722
135	745	- .075	.101	.412	- .300	135	841	- .076	.020	.155	- .008	150	127	- .421	.066	- .184	- .760
135	746	- .170	.071	.026	- .490	135	842	- .255	.055	- .046	- .459	150	128	- .416	.067	- .174	- .781
135	747	- .056	.116	.379	- .428	135	843	- .269	.061	- .040	- .503	150	129	- .421	.061	- .201	- .778
135	748	- .166	.131	.626	- .280	135	844	- .000	.000	.000	- .000	150	130	- .401	.056	- .201	- .655
135	749	- .120	.094	.454	- .213	135	845	- .213	.083	.076	- .646	150	131	- .344	.052	- .165	- .553
135	750	- .088	.104	.526	- .377	135	846	- .194	.073	.036	- .595	150	132	- .408	.059	- .215	- .833
135	751	- .135	.088	.470	- .122	135	847	- .198	.089	.078	- .699	150	133	- .421	.062	- .106	- .709
135	752	- .039	.081	.435	- .310	135	848	- .210	.130	.067	- .1	146	150	- .417	.061	- .210	- .664
135	753	- .072	.092	.412	- .362	135	849	- .224	.104	.061	- .849	150	134	- .600	.170	- .041	- .806
135	754	- .058	.110	.534	- .490	135	850	- .233	.144	.117	- .051	150	135	- .536	.127	- .192	- .281
135	801	- .217	.070	.069	- .481	135	851	- .274	.088	- .002	- .709	150	136	- .460	.094	- .171	- .968
135	802	- .197	.069	.061	- .561	135	852	- .279	.079	- .039	- .639	150	137	- .409	.069	- .169	- .702
135	803	- .133	.088	.313	- .510	135	853	- .124	.053	- .933	- .1	140	150	- .409	.080	- .115	- .732
135	804	- .252	.089	.082	- .637	135	854	- .297	.128	.042	- .024	150	140	- .601	.168	- .138	- .691

APPENDIX A -- PRESSURE DATA:

HINES ONE BUILDING -- MINNEAPOLIS , MINNESOTA

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
150	141	- .317	.134	- .164	- 1.238	150	191	- .226	.063	- .033	- .580	150	242	- 1.192	.062	- .005	- .465
150	142	- .388	.083	- .120	- .878	150	192	- .221	.057	- .044	- .499	150	243	- 1.105	.066	- .291	- .382
150	143	- .335	.072	- .048	- .707	150	193	- .227	.046	- .046	- .515	150	244	- .071	.095	- .354	- .384
150	144	- .307	.087	- .027	- .607	150	194	- .227	.046	- .079	- .515	150	245	- .086	.109	- .521	- .181
150	145	- .570	.175	- .035	- 1.386	150	195	- .080	.050	- .080	- .266	150	246	- .350	.116	- .090	- 1.142
150	146	- .421	.148	- .072	- 1.440	150	196	- .441	.067	- .218	- .738	150	247	- .365	.133	- .025	- 1.288
150	147	- .311	.071	- .108	- .760	150	197	- .416	.064	- .189	- .722	150	248	- .365	.128	- .014	- 1.092
150	148	- .259	.054	- .077	- .496	150	198	- .419	.061	- .201	- .697	150	249	- .339	.116	- .044	- .937
150	149	- .225	.059	- .023	- .547	150	199	- .396	.059	- .210	- .666	150	250	- .291	.095	- .009	- .769
150	150	- .426	.162	- .048	- 1.297	150	200	- .392	.055	- .198	- .612	150	251	- .277	.110	- .000	- .847
150	151	- .232	.049	- .073	- 1.403	150	201	- .428	.061	- .253	- .718	150	252	- .182	.061	- .212	- .356
150	152	- .394	.199	- .110	- 2.005	150	202	- .387	.047	- .248	- .564	150	253	- .297	.139	- .007	- 1.211
150	153	- .286	.111	- .011	- 1.033	150	203	- .445	.074	- .247	- .942	150	254	- .270	.110	- .131	- .686
150	154	- .234	.059	- .029	- .478	150	204	- .437	.068	- .245	- .844	150	255	- .104	.071	- .158	- .423
150	155	- .222	.050	- .013	- .398	150	205	- .390	.057	- .183	- .658	150	256	- .000	.000	- .000	- .000
150	156	- .557	- .057	- .011	- 1.443	150	206	- .388	.054	- .164	- .615	150	257	- .192	.102	- .223	- .551
150	157	- .508	.118	- .208	- 1.061	150	207	- .409	.131	- .143	- 1.171	150	258	- .230	.079	- .016	- .659
150	158	- .494	.111	- .207	- 1.113	150	208	- .467	.104	- .192	- .947	150	259	- .150	.056	- .037	- .389
150	159	- .432	.102	- .233	- 1.333	150	209	- .421	.097	- .176	- 1.062	150	260	- .225	.118	- .115	- .858
150	160	- .444	.098	- .219	- 1.199	150	210	- .416	.092	- .193	- .943	150	261	- .188	.066	- .046	- .439
150	161	- .435	.078	- .239	- .842	150	211	- .576	.178	- .009	- 1.266	150	263	- .084	.046	- .176	- .249
150	162	- .531	.126	- .195	- 1.207	150	212	- .580	.162	- .101	- 1.368	150	264	- .110	.062	- .113	- .361
150	163	- .426	.066	- .226	- .736	150	213	- .574	.165	- .090	- 1.436	150	265	- .107	.056	- .117	- .301
150	164	- .554	.136	- .254	- 1.238	150	214	- .572	.157	- .148	- .673	150	301	- .130	.139	- .467	- .599
150	165	- .484	.090	- .269	- .978	150	215	- .400	.141	- .049	- .999	150	302	- .194	.115	- .339	- .574
150	166	- .468	.079	- .266	- .891	150	216	- .418	.148	- .029	- 1.346	150	303	- .192	.109	- .263	- .555
150	167	- .440	.067	- .265	- .763	150	217	- .513	.195	- .002	- 1.557	150	304	- .252	.159	- .309	- .925
150	168	- .444	.070	- .240	- .841	150	218	- .624	.203	- .091	- 1.890	150	305	- .289	.172	- .395	- .834
150	169	- .452	.082	- .196	- .833	150	219	- .258	.072	- .066	- .668	150	306	- .267	.136	- .391	- .814
150	170	- .438	.070	- .216	- .831	150	220	- .276	.071	- .007	- .711	150	307	- .294	.119	- .120	- .843
150	171	- .420	.062	- .240	- .690	150	221	- .326	.096	- .040	- 1.167	150	308	- .131	.056	- .093	- .346
150	172	- .444	.082	- .226	- .961	150	222	- .380	.117	- .086	- 1.401	150	309	- .056	.080	- .308	- .268
150	173	- .457	.105	- .111	- .951	150	223	- .243	.049	- .068	- .327	150	310	- .018	.090	- .366	- .278
150	174	- .426	.097	- .108	- .998	150	224	- .281	.062	- .013	- .606	150	311	- .022	.101	- .484	- .282
150	175	- .422	.089	- .005	- .890	150	225	- .228	.044	- .068	- 4.400	150	312	- .039	.118	- .561	- .340
150	176	- .460	.111	- .164	- 1.116	150	226	- .224	.040	- .029	- .383	150	313	- .056	.144	- .742	- .377
150	177	- .478	.133	- .108	- 1.167	150	228	- .217	.055	- .011	- .457	150	314	- .009	.170	- .544	- .616
150	178	- .528	.164	- .025	- 1.843	150	229	- .203	.059	- .055	- .357	150	315	- .120	.055	- .086	- .307
150	179	- .324	.110	- .009	- .770	150	230	- .001	.111	- .472	- .387	150	316	- .123	.202	- .907	- .615
150	180	- .331	.105	- .002	- .899	150	231	- .000	.000	- .000	- .000	150	317	- .001	.039	- .169	- .114
150	181	- .334	.119	- .117	- 1.260	150	232	- .102	.105	- .602	- 1.755	150	318	- .034	.073	- .393	- .138
150	182	- .300	.143	- .028	- 1.506	150	233	- .066	.136	- .659	- .356	150	319	- .216	.116	- .755	- .041
150	183	- .396	.152	- .032	- 1.087	150	234	- .155	.141	- .914	- .207	150	320	- .159	.921	- .164	- .164
150	184	- .296	.088	- .011	- 1.009	150	235	- .124	.122	- .698	- .206	150	321	- .206	.195	- 1.135	- .628
150	185	- .293	.077	- .053	- .679	150	236	- .210	.103	- .241	- .651	150	322	- .046	.051	- .160	- .210
150	186	- .281	.063	- .027	- .587	150	237	- .000	.000	- .000	- .000	150	323	- .061	.061	- .316	- .093
150	187	- .291	.062	- .030	- .565	150	238	- .019	.102	- .387	- .348	150	324	- .166	.094	- .542	- .059
150	188	- .304	.082	- .040	- .868	150	239	- .013	.128	- .577	- .526	150	325	- .277	.137	- .843	- .066
150	189	- .236	.066	- .011	- .698	150	240	- .000	.121	- .531	- .338	150	326	- .237	.156	- .849	- .205
150	190	- .244	.055	- .075	- .564	150	241	- .000	.000	- .000	- .000	150	327	- .016	.045	- .167	- .156

APPENDIX A -- PRESSURE DATA:

NINES ONE BUILDING -- MINNEAPOLIS , MINNESOTA

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
328	.202	.117	.716	.100	.026	1500	379	.306	.091	.007	.729	1500	514	.128	.164	.391	.735
329	.016	.051	.223	.207	.076	1500	380	.201	.057	.028	.409	1500	515	.222	.046	.051	.507
330	.062	.049	.207	.104	.660	1500	381	.165	.078	.197	.415	1500	516	.087	.188	.069	.459
331	.147	.072	.430	.026	.043	1500	382	.098	.105	.329	.680	1500	517	.071	.098	.423	.417
332	.222	.121	.610	.043	.244	1500	383	.228	.055	.012	.454	1500	518	.191	.116	.577	.346
333	.157	.248	.445	.237	.087	1500	384	.212	.093	.100	.572	1500	519	.221	.138	.643	.240
334	.276	.129	.839	.039	.559	1500	385	.056	.104	.526	.403	1500	520	.176	.210	.773	.040
335	.269	.129	.237	.087	.839	1500	386	.181	.061	.072	.445	1500	521	.147	.104	.227	.618
336	.342	.107	.087	.087	.559	1500	387	.117	.075	.215	.359	1500	522	.080	.124	.634	.369
337	.366	.095	.020	.104	.162	1500	388	.073	.087	.298	.337	1500	523	.126	.124	.711	.289
338	.242	.081	.136	.037	.037	1500	389	.176	.064	.077	.465	1500	524	.133	.131	.657	.325
339	.242	.315	.515	.023	.452	1500	390	.143	.082	.181	.462	1500	525	.078	.149	.586	.485
340	.363	.066	.023	.129	.622	1500	391	.068	.092	.320	.399	1500	526	.100	.131	.634	.413
341	.163	.335	.596	.1	.546	1500	392	.164	.070	.167	.514	1500	527	.100	.121	.569	.296
342	.151	.140	.303	.660	.645	1500	393	.079	.077	.252	.358	1500	528	.144	.132	.627	.418
343	.235	.107	.064	.637	.637	1500	394	.152	.075	.137	.545	1500	529	.135	.129	.584	.417
344	.335	.083	.009	.637	.627	1500	395	.076	.089	.331	.517	1500	530	.099	.127	.623	.344
345	.351	.068	.038	.627	.627	1500	396	.314	.076	.023	.723	1500	531	.073	.117	.522	.387
346	.053	.197	.694	.080	.494	1500	397	.296	.071	.052	.685	1500	533	.082	.122	.606	.420
347	.029	.105	.328	.494	.494	1500	398	.303	.080	.093	.701	1500	534	.050	.128	.606	.419
348	.148	.086	.270	.541	.541	1500	399	.304	.104	.104	.086	1500	535	.168	.119	.251	.620
349	.238	.074	.002	.573	.573	1500	400	.319	.113	.353	.856	1500	536	.008	.091	.354	.322
350	.306	.084	.063	.567	.567	1500	401	.301	.157	.360	.174	1500	537	.037	.084	.355	.344
351	.071	.149	.519	.822	.929	1500	402	.264	.070	.002	.524	1500	538	.068	.078	.277	.391
352	.259	.080	.042	.579	.579	1500	403	.317	.142	.308	.941	1500	539	.095	.097	.314	.540
353	.037	.144	.549	.664	.664	1500	404	.251	.072	.040	.633	1500	540	.211	.105	.184	.360
354	.003	.094	.346	.346	.346	1500	405	.159	.077	.197	.467	1500	541	.081	.074	.227	.369
355	.122	.086	.208	.598	.598	1500	406	.096	.092	.329	.490	1500	542	.090	.056	.172	.275
356	.177	.077	.096	.557	.557	1500	407	.231	.063	.079	.480	1500	543	.147	.062	.048	.422
357	.258	.081	.126	.557	.557	1500	408	.235	.091	.149	.533	1500	544	.225	.087	.021	.595
358	.357	.086	.121	.035	.035	1500	409	.131	.081	.222	.417	1500	545	.004	.124	.513	.341
359	.364	.083	.133	.923	.923	1500	410	.095	.094	.265	.568	1500	546	.126	.143	.655	.256
360	.351	.073	.149	.742	.742	1500	411	.212	.081	.158	.482	1500	547	.137	.131	.676	.254
361	.342	.063	.163	.678	.678	1500	412	.233	.104	.102	.691	1500	548	.100	.128	.590	.261
362	.346	.077	.088	.646	.646	1500	413	.118	.084	.229	.553	1500	549	.091	.093	.390	.195
363	.347	.065	.164	.690	.690	1500	414	.198	.088	.116	.559	1500	550	.141	.174	.660	.659
364	.367	.070	.133	.747	.747	1500	415	.144	.094	.185	.649	1500	551	.202	.202	.708	.496
365	.332	.054	.150	.574	.574	1500	501	.678	.158	.149	.256	1500	552	.114	.226	.702	.520
366	.352	.068	.175	.706	.706	1500	502	.364	.127	.101	.140	1500	553	.092	.233	.798	.583
367	.340	.071	.121	.690	.690	1500	503	.420	.106	.044	.793	1500	554	.038	.244	.822	.597
368	.368	.080	.130	.966	.966	1500	504	.683	.154	.210	.240	1500	555	.278	.197	.773	.696
369	.313	.084	.018	.712	.712	1500	505	.704	.198	.186	.407	1500	556	.024	.254	.811	.693
370	.331	.090	.021	.706	.706	1500	506	.250	.067	.002	.563	1500	557	.194	.236	.801	.634
371	.336	.078	.000	.644	.644	1500	507	.327	.143	.159	.079	1500	558	.159	.217	.730	.368
372	.366	.087	.009	.943	.943	1500	508	.257	.045	.086	.462	1500	559	.076	.201	.766	.399
373	.265	.099	.086	.662	.662	1500	509	.125	.063	.111	.492	1500	560	.032	.177	.762	.464
374	.317	.087	.084	.693	.693	1500	510	.096	.069	.174	.508	1500	561	.224	.172	.501	.857
375	.291	.103	.064	.708	.708	1500	511	.080	.076	.180	.475	1500	562	.028	.170	.590	.671
376	.298	.102	.034	.760	.760	1500	512	.077	.081	.187	.515	1500	563	.014	.117	.466	.394
377	.298	.098	.007	.798	.798	1500	513	.059	.092	.265	.604	1500	564				

APPENDIX A -- PRESSURE DATA:

HINES ONE BUILDING -- MINNEAPOLIS , MINNESOTA

UD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	UD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	UD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
564	- .103	.096	.277	- .392		565	703	- .009	.090	.387	- .383	566	753	- .066	.083	.322	- .372
565	- .180	.090	.413	- .313		566	704	- .093	.113	.577	- .271	567	754	- .100	.080	.219	- .425
566	- .369	.124	.098	- .758		567	705	.056	.097	.470	- .221	568	801	- .373	.125	.107	- .946
567	- .146	.116	.337	- .676		568	706	.022	.093	.421	- .238	569	802	- .381	.123	.086	- .927
568	- .155	.088	.194	- .492		569	707	.081	.111	.559	- .262	570	803	- .272	.110	.172	- .832
569	- .167	.088	.172	- .448		570	708	.048	.108	.527	- .230	571	804	- .275	.175	.422	- .832
570	- .200	.089	.204	- .487		571	709	.059	.102	.408	- .221	572	805	- .229	.192	.404	- .305
571	- .296	.126	.196	- .770		572	710	.050	.102	.458	- .251	573	806	- .268	.116	.275	- .905
572	- .242	.106	.079	- .825		573	711	.012	.081	.328	- .271	574	807	- .235	.119	.206	- .764
573	- .220	.094	.104	- .570		574	712	.035	.089	.356	- .239	575	808	- .295	.072	.344	- .701
574	- .212	.098	.101	- .581		575	713	.009	.079	.344	- .205	576	809	- .265	.085	.029	- .773
575	- .197	.106	.143	- .512		576	714	.022	.070	.284	- .200	577	810	- .257	.098	.029	- .719
576	- .224	.129	.228	- .592		577	715	.077	.106	.650	- .216	578	811	- .256	.109	.038	- .822
577	- .139	.119	.600	- .207		578	716	.009	.080	.365	- .210	579	812	- .279	.124	.066	- .804
578	- .106	.107	.331	- .550		579	717	.017	.066	.300	- .181	580	813	- .291	.145	.142	- .100
579	- .093	.077	.161	- .495		580	718	.022	.065	.262	- .222	581	814	- .308	.150	.071	- .169
580	- .104	.072	.162	- .380		581	720	.032	.052	.153	- .186	582	815	- .285	.073	.023	- .787
581	- .138	.090	.191	- .570		582	721	.056	.047	.099	- .371	583	816	- .302	.151	.083	- .108
582	- .177	.292	.742	- .371		583	722	.099	.039	.029	- .291	584	817	- .165	.058	.019	- .412
583	- .098	.170	.652	- .742		584	723	.126	.057	.079	- .429	585	818	- .261	.094	.076	- .643
584	- .143	.164	.654	- .703		585	724	.062	.047	.142	- .217	586	819	- .265	.132	.208	- .742
585	- .202	.166	.430	- .706		586	725	.089	.102	.569	- .201	587	820	- .308	.157	.402	- .154
586	- .298	.147	.257	- .809		587	726	.075	.100	.271	- .416	588	821	- .332	.163	.185	- .168
587	- .282	.361	.714	- .905		588	727	.146	.076	.181	- .456	589	822	- .219	.060	.034	- .410
588	- .473	.292	.299	- .533		589	728	.186	.140	.284	- .754	590	823	- .210	.069	.164	- .414
589	- .282	.196	.358	- .431		590	729	.186	.140	.284	- .754	591	824	- .156	.087	.241	- .442
590	- .288	.141	.364	- .746		591	730	.245	.193	.238	- .1011	592	825	- .065	.115	.548	- .467
591	- .593	.234	.205	- .494		592	731	.146	.102	.230	- .638	593	826	- .124	.106	.383	- .534
592	- .487	.217	.172	- .443		593	732	.165	.146	.426	- .674	594	827	- .294	.121	.029	- .841
593	- .356	.126	.134	- .055		594	733	.181	.128	.224	- .863	595	828	- .278	.097	.034	- .741
594	- .430	.119	.064	- .961		595	734	.131	.103	.277	- .483	596	829	- .269	.092	.021	- .688
595	- .456	.219	.179	- .423		596	735	.067	.125	.522	- .601	597	830	- .269	.083	.040	- .683
596	- .389	.207	.278	- .320		597	736	.132	.119	.510	- .544	598	831	- .275	.084	.023	- .663
597	- .304	.142	.316	- .852		598	737	.083	.131	.500	- .533	599	832	- .302	.118	.059	- .986
598	- .393	.124	.192	- .806		599	738	.119	.084	.374	- .510	600	833	- .280	.079	.055	- .652
600	- .294	.167	.221	- .046		600	739	.091	.091	.274	- .478	601	834	- .306	.123	.053	- .662
601	- .234	.161	.450	- .809		601	740	.083	.032	.236	- .345	602	835	- .250	.097	.067	- .846
602	- .216	.675	.483	- .678		602	741	.070	.080	.249	- .324	603	836	- .249	.082	.125	- .637
603	- .323	.132	.307	- .133		603	742	.037	.108	.601	- .355	604	837	- .000	.000	.000	- .000
604	- .141	.091	.248	- .540		604	743	.049	.109	.491	- .382	605	838	- .253	.069	.011	- .629
605	- .130	.101	.345	- .485		605	744	.042	.117	.598	- .498	606	839	- .000	.000	.000	- .000
606	- .185	.145	.316	- .899		606	745	.126	.080	.247	- .592	607	840	- .000	.000	.000	- .000
607	- .113	.083	.303	- .302		607	746	.076	.084	.295	- .401	608	841	- .172	.035	.344	- .031
608	- .192	.138	.535	- .678		608	747	.120	.076	.253	- .456	609	842	- .036	.082	.339	- .292
609	.000	.000	.000	- .000		609	748	.142	.082	.300	- .486	610	843	- .169	.058	.032	- .391
610	- .091	.081	.275	- .357		610	749	.122	.072	.213	- .442	611	844	- .000	.000	.000	- .000
611	- .110	.103	.317	- .069		611	750	.157	.095	.281	- .568	612	845	- .282	.082	.015	- .648
612	- .190	.108	.209	- .666		612	751	.106	.085	.327	- .649	613	846	- .271	.076	.004	- .627
613	- .087	.153	.702	- .265		613	752	.117	.101	.247	- .549	614	847	- .246	.070	.004	- .526
614	.029	.123	.584	- .295		614	753					615	848	- .229	.064	.034	- .511

APPENDIX A -- PRESSURE DATA:

HINES ONE BUILDING -- MINNEAPOLIS , MINNESOTA

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
1500	849	- .280	.070	- .093	- .537	165	135	- .693	.154	- .272	- .1 .782	165	185	- .359	.092	- .115	- .842
1500	850	- .247	.059	- .053	- .623	165	136	- .701	.160	- .304	- .1 .736	165	186	- .345	.075	- .090	- .701
1500	851	- .273	.079	- .053	- .623	165	137	- .671	.142	- .012	- .1 .337	165	188	- .353	.069	- .032	- .075
1500	852	- .261	.062	- .074	- .514	165	138	- .555	.110	- .070	- .1 .005	165	189	- .376	.090	- .066	- .874
1500	853	- .205	.061	- .040	- .477	165	139	- .542	.116	- .180	- .1 .081	165	190	- .300	.091	- .031	- .858
1500	854	- .210	.059	- .040	- .477	165	140	- .732	.126	- .327	- .1 .906	165	191	- .297	.092	- .095	- .095
1500	855	- .269	.108	- .053	- .837	165	141	- .773	.196	- .121	- .1 .790	165	192	- .296	.089	- .035	- .853
1500	856	- .157	.059	- .042	- .464	165	142	- .577	.148	- .023	- .1 .414	165	193	- .290	.086	- .000	- .775
1500	857	- .113	.031	- .079	- .329	165	143	- .423	.163	- .065	- .1 .834	165	194	- .263	.076	- .004	- .687
1500	858	- .098	.054	- .105	- .427	165	144	- .365	.094	- .064	- .2 .820	165	195	- .195	.054	- .108	- .381
1500	859	- .081	.049	- .090	- .236	165	145	- .785	.297	- .000	- .2 .289	165	196	- .564	.093	- .272	- .926
1500	860	- .059	.056	- .140	- .303	165	146	- .530	.184	- .104	- .1 .441	165	197	- .546	.082	- .270	- .937
1500	861	- .053	.056	- .151	- .257	165	147	- .371	.104	- .037	- .1 .838	165	198	- .536	.074	- .284	- .898
1500	862	- .046	.056	- .128	- .240	165	148	- .310	.073	- .050	- .1 .579	165	199	- .528	.068	- .274	- .913
1500	863	- .023	.074	- .318	- .490	165	149	- .271	.073	- .016	- .1 .673	165	200	- .516	.062	- .296	- .777
1500	864	- .027	.070	- .248	- .366	165	150	- .432	.232	- .168	- .2 .325	165	201	- .536	.071	- .279	- .838
101	865	- .532	.107	- .165	- .026	165	151	- .265	.064	- .022	- .1 .691	165	202	- .465	.051	- .332	- .647
102	866	- .567	.087	- .270	- .939	165	152	- .253	.334	- .977	- .2 .305	165	203	- .563	.089	- .358	- .1 .121
103	867	- .794	.146	- .205	- .1 .392	165	153	- .134	.131	- .369	- .1 .566	165	204	- .545	.076	- .351	- .955
104	868	- .625	.119	- .145	- .229	165	154	- .139	.103	- .285	- .1 .402	165	205	- .507	.067	- .219	- .864
105	869	- .678	.123	- .232	- .1 .112	165	155	- .000	.000	- .000	- .0 .000	165	206	- .493	.065	- .233	- .797
106	870	- .443	.101	- .088	- .835	165	156	- .246	.062	- .007	- .1 .508	165	207	- .691	.156	- .338	- .1 .468
107	871	- .709	.112	- .358	- .1 .081	165	157	- .518	.105	- .195	- .1 .162	165	208	- .658	.135	- .356	- .1 .225
108	872	- .531	.085	- .304	- .929	165	158	- .504	.090	- .252	- .1 .904	165	209	- .600	.125	- .290	- .1 .191
109	873	- .564	.093	- .281	- .954	165	159	- .510	.086	- .245	- .1 .841	165	210	- .593	.123	- .255	- .1 .167
110	874	- .559	.110	- .241	- .1 .203	165	160	- .340	.094	- .223	- .1 .868	165	211	- .823	.202	- .126	- .713
111	875	- .570	.122	- .254	- .1 .244	165	161	- .553	.090	- .241	- .1 .958	165	212	- .809	.192	- .268	- .960
112	876	- .499	.099	- .209	- .1 .577	165	162	- .534	.090	- .296	- .1 .992	165	213	- .783	.179	- .241	- .832
113	877	- .543	.122	- .088	- .1 .474	165	163	- .526	.070	- .300	- .1 .875	165	214	- .770	.173	- .247	- .690
114	878	- .546	.128	- .252	- .1 .423	165	164	- .573	.084	- .274	- .1 .117	165	215	- .510	.157	- .053	- .1 .189
115	879	- .527	.081	- .282	- .940	165	165	- .544	.068	- .352	- .1 .837	165	216	- .495	.161	- .042	- .1 .149
116	880	- .388	.097	- .118	- .977	165	166	- .546	.068	- .349	- .1 .894	165	217	- .625	.214	- .150	- .622
117	881	- .507	.288	- .1 .040	- .304	165	167	- .535	.069	- .345	- .1 .925	165	218	- .800	.207	- .169	- .756
118	882	- .568	.077	- .334	- .1 .057	165	168	- .577	.080	- .388	- .1 .075	165	219	- .309	.074	- .035	- .623
119	883	- .579	.085	- .332	- .1 .136	165	169	- .592	.091	- .322	- .1 .200	165	220	- .306	.070	- .064	- .698
120	884	- .563	.085	- .323	- .1 .063	165	170	- .600	.095	- .289	- .1 .977	165	221	- .347	.085	- .015	- .778
121	885	- .586	.098	- .255	- .1 .268	165	171	- .610	.108	- .345	- .1 .207	165	222	- .385	.098	- .018	- .964
122	886	- .594	.104	- .304	- .1 .262	165	172	- .649	.123	- .323	- .1 .191	165	223	- .285	.066	- .009	- .621
123	887	- .619	.112	- .323	- .1 .381	165	173	- .674	.142	- .288	- .1 .368	165	224	- .310	.060	- .057	- .639
124	888	- .625	.109	- .055	- .1 .259	165	174	- .554	.109	- .203	- .1 .254	165	225	- .269	.066	- .018	- .855
125	889	- .616	.093	- .351	- .1 .040	165	175	- .558	.120	- .173	- .1 .095	165	226	- .256	.050	- .015	- .519
126	890	- .597	.091	- .247	- .964	165	176	- .641	.148	- .179	- .1 .240	165	227	- .266	.054	- .020	- .477
127	891	- .611	.094	- .302	- .963	165	177	- .702	.167	- .216	- .1 .586	165	228	- .252	.056	- .011	- .465
128	892	- .599	.092	- .332	- .1 .007	165	178	- .758	.183	- .169	- .1 .729	165	229	- .023	.122	- .484	- .381
129	893	- .590	.093	- .302	- .910	165	179	- .357	.106	- .064	- .1 .891	165	230	- .023	.000	- .000	- .000
130	894	- .574	.088	- .268	- .908	165	180	- .380	.112	- .044	- .1 .847	165	231	- .000	.000	- .713	- .183
131	895	.089	- .210	- .834	165	181	- .424	.147	- .054	- .1 .198	165	232	- .220	.129	.713	- .183	
132	896	- .595	.092	- .311	- .927	165	182	- .536	.192	- .018	- .1 .397	165	233	- .119	.155	.622	- .426
133	897	- .607	.095	- .290	- .017	165	183	- .568	.192	- .016	- .1 .375	165	234	- .274	.163	.895	- .179
134	898	- .596	.095	- .304	- .951	165	184	- .365	.109	- .032	- .1 .937	165	235	- .261	.150	.800	- .166

APPENDIX A -- PRESSURE DATA:

HINES ONE BUILDING -- MINNEAPOLIS , MINNESOTA

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
165	236	- .270	.082	.055	.635	165	322	- .050	.060	.241	.243	165	372	- .397	.113	- .009	- .932
165	237	- .000	.000	.000	.000	165	323	- .065	.064	.384	.127	165	373	- .356	.101	- .050	- .903
165	238	- .094	.146	.467	.483	165	324	- .164	.087	.761	.119	165	374	- .361	.098	- .066	- .886
165	239	- .107	.164	.722	.398	165	325	- .239	.122	.921	.132	165	375	- .357	.105	- .039	- .986
165	240	- .000	.000	.000	.000	165	326	- .265	.159	.921	.085	165	376	- .367	.100	- .066	- .962
165	241	- .000	.000	.000	.000	165	327	- .016	.052	.356	.182	165	377	- .346	.098	- .016	- .840
165	242	- .234	.069	-.032	.560	165	328	- .248	.126	.870	.125	165	378	- .347	.097	- .023	- .852
165	243	- .193	.089	.162	.508	165	329	- .019	.057	.275	.168	165	379	- .347	.097	- .023	- .852
165	244	- .114	.092	.270	.448	165	330	- .070	.046	.268	.060	165	380	- .204	.064	.028	- .441
165	245	- .157	.115	.679	.150	165	331	- .137	.066	.423	.023	165	381	- .221	.073	.014	- .476
165	246	- .352	.089	-.117	- .058	165	332	- .218	.092	.584	.104	165	382	- .092	.114	.363	- .480
165	247	- .366	.099	-.073	.896	165	333	- .235	.120	.808	.055	165	383	- .233	.062	.016	- .477
165	248	- .371	.100	.123	.989	165	334	- .073	.180	.667	.661	165	384	- .260	.101	.253	- .681
165	249	- .393	.109	.107	-.046	165	335	- .105	.130	.405	.573	165	385	- .025	.129	.732	- .514
165	250	- .372	.099	-.096	.992	165	336	- .238	.125	.225	.678	165	386	- .136	.060	.057	- .349
165	251	- .404	.133	-.066	-.056	165	337	- .326	.116	.125	.853	165	387	- .038	.086	.474	- .326
165	252	- .244	.058	-.009	.427	165	338	- .397	.113	.027	.956	165	388	- .164	.069	.136	- .458
165	253	- .449	.168	-.036	-.146	165	339	- .214	.207	.900	.641	165	389	- .148	.084	.408	- .411
165	254	- .303	.093	.046	.778	165	340	- .377	.086	.113	.814	165	390	- .012	.092	.426	- .362
165	255	- .163	.093	.185	.652	165	341	- .261	.186	.960	.273	165	391	- .129	.064	.097	- .333
165	256	- .000	.000	-.000	.000	165	342	- .146	.137	.763	.266	165	392	- .101	.076	.211	- .365
165	257	- .265	.090	.178	.684	165	343	- .027	.119	.470	.455	165	393	- .066	.126	.395	- .280
165	258	- .303	.083	-.039	.640	165	344	- .182	.098	.221	.483	165	394	- .040	.075	.316	- .191
165	259	- .210	.072	.025	.522	165	345	- .344	.069	.105	.589	165	395	- .301	.079	.191	- .772
165	260	- .400	.163	.103	-.177	165	346	- .224	.180	.910	.393	165	396	- .290	.076	.093	- .718
165	261	- .246	.066	.007	.568	165	347	- .144	.131	.646	.257	165	397	- .271	.079	.170	- .702
165	263	- .094	.060	.121	.274	165	348	- .016	.108	.593	.393	165	398	- .260	.087	.163	- .752
165	264	- .150	.080	.169	.452	165	349	- .127	.085	.305	.428	165	399	- .265	.094	.083	- .646
165	265	- .109	.082	.258	.372	165	350	- .320	.064	.102	.554	165	400	- .267	.128	.095	- .031
165	266	- .297	.141	.565	.838	165	351	- .209	.139	.816	.390	165	401	- .247	.074	.002	- .569
165	267	- .338	.153	.295	.758	165	352	- .219	.060	.000	.458	165	402	- .268	.130	.085	- .030
165	268	- .289	.186	.368	.830	165	353	- .200	.145	.790	.294	165	403	- .260	.072	.007	- .526
165	269	- .441	.129	.089	-.107	165	354	- .157	.115	.624	.142	165	404	- .214	.078	.072	- .582
165	270	- .493	.146	.199	-.1073	165	355	- .139	.078	.197	.388	165	405	- .073	.085	.294	- .351
165	271	- .418	.117	.241	.867	165	356	- .051	.083	.386	.287	165	406	- .065	.065	.048	- .475
165	272	- .432	.108	.079	.918	165	357	- .252	.067	.077	.573	165	407	- .231	.071	.078	- .483
165	273	- .196	.065	.046	.417	165	358	- .501	.143	-.096	-.289	165	408	- .172	.067	.088	- .433
165	274	- .116	.085	.198	.366	165	359	- .524	.173	-.032	-.382	165	409	- .143	.089	.181	- .562
165	275	- .091	.087	.275	.387	165	360	- .505	.168	-.048	-.651	165	410	- .185	.064	.131	- .406
165	276	- .051	.092	.295	.363	165	361	- .455	.117	-.173	-.112	165	411	- .215	.077	.069	- .520
165	277	- .026	.108	.465	.373	165	362	- .415	.134	-.039	.967	165	412	- .143	.077	.161	- .435
165	278	.033	.133	.740	.320	165	363	- .427	.103	-.166	-.048	165	413	- .167	.069	.142	- .480
165	279	- .146	.169	.814	.266	165	364	- .426	.115	-.077	-.016	165	414	- .143	.070	.167	- .447
165	280	- .160	.066	.134	.350	165	365	- .377	.052	-.220	-.638	165	415	- .143	.070	.167	- .447
165	281	- .339	.196	1.150	-.195	165	366	- .404	.072	-.213	-.813	165	416	- .502	.781	.110	- .381
165	282	- .028	.046	.191	.173	165	367	- .390	.086	-.110	.966	165	417	- .653	.103	.331	- .128
165	283	- .041	.081	.407	.173	165	368	- .436	.105	-.146	.957	165	418	- .804	.108	.452	- .196
165	284	- .201	.113	.606	-.98	165	369	- .392	.072	-.193	-.772	165	419	- .808	.128	.407	- .316
165	285	- .339	.162	.857	-.076	165	370	- .411	.081	-.117	.852	165	420	- .457	.104	.151	- .866
165	286	- .368	.191	1.067	-.168	165	371	- .401	.093	-.060	.963	165	421	- .736	.107	.384	- .218

APPENDIX A -- PRESSURE DATA:

HINES ONE BUILDING -- MINNEAPOLIS, MINNESOTA

UD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	UD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	UD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
165	508	- .340	.054	- .058	-.563	165	558	.403	.172	.885	-.098	165	611	.000	.000	.000	.000
165	509	- .199	.074	.089	-.610	165	559	.352	.169	.834	-.118	165	612	-.127	.065	.192	-.374
165	510	- .164	.082	.252	-.492	165	560	.267	.171	.737	-.162	165	613	-.101	.087	.368	-.400
165	511	- .133	.089	.181	-.486	165	561	-.041	.205	.603	-.750	165	614	-.127	.119	.428	-.713
165	512	- .095	.094	.365	-.462	165	562	.198	.188	.695	-.825	165	701	.244	.183	.997	-.411
165	513	- .055	.106	.301	-.513	165	563	.158	.122	.539	-.242	165	702	.120	.152	.665	-.358
165	514	- .029	.173	.518	-.669	165	564	.067	.098	.406	-.326	165	703	.050	.108	.425	-.255
165	515	- .237	.039	-.075	-.445	165	565	-.048	.091	.340	-.350	165	704	.190	.149	.703	-.263
165	516	- .232	.180	.756	-.292	165	566	.375	.160	.192	-.911	165	705	.121	.115	.583	-.241
165	517	- .105	.005	-.552	-.552	165	567	-.099	.140	.365	-.735	165	706	.094	.123	.621	-.288
165	518	.118	.102	.585	-.249	165	568	-.098	.100	.307	-.452	165	707	.203	.148	.780	-.301
165	519	.301	.130	.889	-.205	165	569	-.133	.097	.217	-.436	165	708	.160	.135	.775	-.233
165	520	.391	.154	.834	-.068	165	570	-.199	.086	.072	-.477	165	709	.129	.115	.606	-.234
165	521	.471	.198	1.053	-.350	165	571	-.423	.118	-.015	-.848	165	710	.125	.118	.542	-.259
165	522	-.176	.087	.125	-.518	165	572	-.263	.100	-.017	-.727	165	711	.035	.090	.382	-.245
165	523	.196	.105	.570	-.384	165	573	-.250	.087	-.010	-.653	165	712	.086	.098	.471	-.200
165	524	.337	.127	.817	-.189	165	574	-.250	.084	-.022	-.564	165	713	.026	.078	.320	-.210
165	525	.347	.164	.897	-.309	165	575	-.249	.089	.104	-.551	165	714	.015	.069	.241	-.228
165	526	.306	.176	.926	-.235	165	576	-.333	.108	.039	-.752	165	715	.155	.108	.513	-.203
165	527	.325	.171	.885	-.254	165	577	-.223	.133	.829	-.316	165	716	.035	.076	.317	-.187
165	528	.317	.158	.836	-.213	165	578	-.066	.113	.351	-.572	165	717	.027	.069	.281	-.194
165	529	.349	.159	.921	-.200	165	579	-.087	.069	.174	-.498	165	718	-.046	.064	.184	-.237
165	530	.345	.163	.883	-.245	165	580	-.114	.058	.223	-.315	165	720	-.047	.048	.125	-.198
165	531	.310	.153	.783	-.244	165	581	-.166	.070	.103	-.432	165	721	-.059	.055	.150	-.263
165	532	.290	.153	.788	-.189	165	582	-.414	.252	.258	-.582	165	722	-.111	.053	.077	-.314
165	533	.296	.169	.853	-.241	165	583	-.127	.093	.216	-.530	165	723	-.168	.091	.095	-.599
165	534	.265	.177	.863	-.302	165	584	-.168	.087	.155	-.497	165	724	-.049	.059	.158	-.275
165	535	.180	.119	.263	.628	165	585	-.238	.089	.087	-.592	165	725	.198	.119	.732	-.144
165	536	.077	.094	.389	.314	165	586	-.299	.069	-.046	-.536	165	726	-.060	.138	.345	-.617
165	537	.021	.084	.400	.251	165	587	-.342	.318	.569	-.139	165	727	-.285	.108	.093	-.813
165	538	-.034	.087	.341	.333	165	588	-.320	.318	.450	-.145	165	728	-.193	.149	.259	-.860
165	539	-.057	.113	.343	.433	165	589	-.169	.215	.349	-.129	165	728	-.193	.149	.259	-.860
165	540	-.197	.114	.239	.691	165	590	-.247	.092	.184	-.597	165	729	-.312	.234	.374	-.1287
165	541	-.067	.084	.246	.506	165	591	-.783	.293	.644	-.652	165	730	-.129	.111	.324	-.620
165	542	-.080	.056	.134	.309	165	592	.563	.317	-.011	-.561	165	731	-.166	.196	.477	-.986
165	543	-.151	.070	.051	.486	165	593	.372	.107	-.007	-.189	165	732	-.180	.145	.308	-.761
165	544	-.246	.086	.031	.682	165	594	-.472	.081	.112	-.816	165	733	-.110	.108	.405	-.482
165	545	.033	.121	.528	.313	165	595	-.757	.221	-.037	-.510	165	734	-.033	.159	.640	-.388
165	546	.184	.148	.760	.309	165	596	-.622	.255	-.082	-.582	165	735	-.059	.137	.532	-.562
165	547	.237	.131	.836	.118	165	597	-.450	.135	-.030	-.146	165	736	-.001	.151	.579	-.478
165	548	.225	.132	.822	.131	165	598	-.537	.099	-.144	-.172	165	737	-.125	.084	.213	-.467
165	549	.189	.101	.547	.149	165	599	.503	.184	-.078	-.129	165	738	-.067	.087	.356	-.383
165	550	.177	.151	.662	.597	165	600	-.352	.143	-.080	-.007	165	739	-.083	.073	.255	-.399
165	551	.144	.139	.539	.447	165	601	-.345	.112	.140	.741	165	740	-.076	.027	.039	-.156
165	552	.158	.136	.607	.469	165	602	-.502	.119	-.027	-.190	165	741	-.090	.076	.267	-.344
165	553	.145	.151	.562	.463	165	603	-.220	.087	.094	.599	165	742	-.022	.117	.551	-.307
165	554	.088	.154	.540	.578	165	604	-.188	.069	-.048	-.488	165	743	-.005	.115	.520	-.328
165	555	.425	.209	1.001	.334	165	605	-.421	.143	.105	.905	165	744	-.005	.117	.515	-.336
165	556	.179	.192	.829	.520	165	606	-.157	.071	.174	-.398	165	745	-.165	.089	.145	-.496
165	557	.421	.202	1.041	.419	165	607	-.279	.132	.164	-.174	165	746	-.074	.097	.475	-.200

APPENDIX A -- PRESSURE DATA:

MINES ONE BUILDING -- MINNEAPOLIS , MINNESOTA

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
1655	747	- .126	.065	.135	-.374	165	843	- .246	.072	.052	-.542	180	129	- .608	.090	.329	-.050
1655	748	- .141	.088	.237	-.607	165	844	- .000	.000	.000	-.000	180	130	- .598	.086	.346	-.030
1655	749	- .164	.076	.138	-.562	165	845	- .413	.082	.176	-.817	180	131	- .527	.091	.210	-.223
1655	750	- .155	.076	.119	-.564	165	846	- .402	.080	.184	-.746	180	132	- .627	.090	.373	-.072
1655	751	- .114	.104	.520	-.514	165	847	- .369	.073	.121	-.676	180	133	- .636	.091	.377	-.102
1655	752	- .099	.106	.308	-.487	165	848	- .340	.065	.134	-.571	180	134	- .626	.090	.340	-.084
1655	753	- .048	.083	.279	-.381	165	849	- .398	.083	.140	-.882	180	135	- .684	.122	.345	-.1381
1655	754	- .114	.077	.213	-.454	165	850	- .355	.062	.138	-.606	180	136	- .704	.126	.344	-.1362
1655	801	- .532	.111	-.106	-.039	165	851	- .373	.090	.155	-.814	180	137	- .712	.126	.377	-.1198
1655	802	- .538	.107	.221	-.114	165	852	- .358	.074	.143	-.691	180	138	- .600	.091	.258	-.037
1655	803	- .454	.124	-.066	-.076	165	853	- .299	.075	.087	-.929	180	139	- .575	.096	.271	-.038
1655	804	- .531	.170	.337	-.205	165	854	- .304	.078	.069	-.933	180	140	- .801	.178	.409	-.1776
1655	805	- .450	.179	.246	-.280	165	855	- .411	.148	.038	- 1.207	180	141	- .850	.201	.231	-.785
1655	806	- .498	.197	.241	-.335	165	856	- .187	.070	.063	-.474	180	142	- .607	.130	.084	-.072
1655	807	- .412	.216	.345	-.199	165	857	- .132	.059	.125	-.552	180	143	- .416	.086	.054	-.715
1655	808	- .354	.097	.080	-.915	165	858	- .114	.063	.111	-.582	180	144	- .373	.079	.018	-.641
1655	809	- .344	.092	.085	-.734	165	859	- .071	.052	.111	-.253	180	145	- .741	.251	.148	-.929
1655	810	- .345	.095	.073	-.750	165	860	- .083	.063	.114	-.413	180	146	- .491	.178	.073	-.445
1655	811	- .353	.102	.044	-.793	165	861	- .046	.060	.203	-.328	180	147	- .345	.083	.056	-.664
1655	812	- .382	.107	.078	-.786	165	862	- .037	.056	.168	-.262	180	148	- .309	.062	.054	-.535
1655	813	- .411	.130	-.025	-.200	165	863	- .044	.084	.289	-.521	180	149	- .270	.061	.078	-.550
1655	814	- .415	.140	-.078	-.500	165	864	- .044	.075	.266	-.550	180	150	- .401	.143	.043	-.400
1655	815	- .352	.090	-.103	-.837	180	101	- .609	.112	.014	-.082	180	151	- .257	.056	.083	-.508
1655	816	- .397	.140	-.084	-.189	180	102	- .609	.092	.260	-.61	180	152	- .364	.219	.426	-.589
1655	817	- .213	.058	-.015	-.440	180	103	- .699	.138	.323	-.271	180	153	- .240	.100	.251	-.771
1655	818	- .342	.079	-.096	-.685	180	104	- .661	.107	.308	-.101	180	154	- .220	.067	.146	-.405
1655	819	- .353	.098	-.029	-.805	180	105	- .669	.107	.361	-.119	180	155	- .000	.000	.000	-.000
1655	820	- .375	.123	-.038	-.875	180	106	- .605	.114	.218	-.064	180	156	- .248	.053	.045	-.466
1655	821	- .393	.160	-.055	-.202	180	107	- .654	.111	.266	-.153	180	157	- .559	.091	.251	-.917
1655	822	- .220	.063	-.025	-.450	180	108	- .520	.076	.294	-.800	180	158	- .568	.089	.275	.950
1655	823	- .247	.068	-.008	-.498	180	109	- .553	.098	.267	-.041	180	159	- .577	.084	.259	-.012
1655	824	- .179	.078	.169	-.424	180	110	- .540	.090	.273	-.115	180	160	- .563	.081	.210	-.874
1655	825	- .004	.133	-.755	-.584	180	111	- .536	.082	.239	-.840	180	161	- .557	.071	.271	-.810
1655	826	- .094	.119	-.365	-.547	180	112	- .516	.084	.245	-.955	180	162	- .539	.073	.284	-.925
1655	827	- .368	.124	-.044	-.270	180	113	- .555	.103	.231	-.311	180	163	- .534	.059	.333	-.807
1655	828	- .351	.101	-.051	-.997	180	114	- .557	.096	.240	-.017	180	164	- .581	.074	.352	-.943
1655	829	- .351	.093	-.063	-.003	180	115	- .516	.071	.280	-.842	180	165	- .553	.060	.353	-.844
1655	830	- .358	.084	-.044	-.767	180	116	- .398	.069	.184	-.665	180	166	- .551	.059	.379	-.887
1655	831	- .374	.081	-.090	-.728	180	117	- .541	.076	.297	-.829	180	167	- .550	.058	.380	-.951
1655	832	- .372	.111	-.023	-.826	180	118	- .546	.071	.340	-.815	180	168	- .505	.081	.379	-.023
1655	833	- .375	.077	-.129	-.825	180	119	- .568	.071	.325	-.653	180	169	- .612	.086	.331	-.072
1655	834	- .318	.132	-.111	-.987	180	120	- .573	.072	.283	-.895	180	170	- .609	.093	.361	-.158
1655	835	- .237	.117	.126	-.778	180	121	- .595	.083	.283	-.004	180	171	- .623	.106	.357	-.200
1655	836	- .249	.103	.099	-.634	180	122	- .594	.092	.280	-.990	180	172	- .650	.119	.367	-.344
1655	837	- .000	.000	-.000	-.000	180	123	- .605	.088	.359	-.000	180	173	- .667	.132	.351	-.366
1655	838	- .330	.073	-.054	-.656	180	124	- .632	.094	.371	-.032	180	174	- .561	.099	.244	-.144
1655	839	.000	.000	-.000	-.000	180	125	- .635	.089	.399	-.160	180	175	- .576	.113	.187	-.223
1655	840	.000	.000	-.000	-.000	180	126	- .623	.084	.353	-.006	180	176	- .650	.146	.247	-.582
1655	841	.162	.033	.286	-.663	180	127	- .633	.090	.341	-.171	180	177	- .722	.166	.255	-.872
1655	842	-.052	.080	.308	-.327	180	128	- .628	.088	.357	-.128	180	178	- .792	.179	.176	-.690

APPENDIX A -- PRESSURE DATA:

HINES ONE BUILDING -- MINNEAPOLIS, MINNESOTA

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
180	179	- .369	.095	- .092	- .940	180	230	.020	.113	.408	- .369	180	316	.266	.201	.961	- .359
180	180	- .376	.095	- .014	- .765	180	231	.000	.000	.000	- .000	180	317	- .014	.061	.199	- .216
180	181	- .423	.137	- .069	- 1.270	180	232	.300	.134	.890	- 1.118	180	318	.089	.106	.485	- .160
180	182	- .545	.175	- .117	- 1.530	180	233	.026	.160	.535	- .508	180	319	.298	.124	.673	- .126
180	183	- .596	.175	- .007	- 1.270	180	234	.224	.171	.786	- .434	180	320	.272	.139	.747	- .090
180	184	- .343	.082	- .082	- .830	180	235	.342	.148	.975	- .074	180	321	.244	.182	1.034	- .162
180	185	- .337	.067	- .088	- .747	180	236	- .257	.073	.049	- .562	180	322	- .038	.084	.295	- .290
180	186	- .322	.061	- .084	- .693	180	237	.000	.000	.000	- .000	180	323	.079	.092	.466	- .140
180	187	- .338	.065	- .084	- .632	180	238	.038	.130	.448	- .510	180	324	.156	.103	.627	- .090
180	188	- .360	.087	- .089	- 1.003	180	239	- .199	.121	.341	- .488	180	325	.200	.118	.782	- .174
180	189	- .282	.071	- .069	- .656	180	240	.071	.204	.770	- .612	180	326	.156	.136	.798	- .224
180	190	- .276	.070	- .099	- .781	180	241	.000	.000	.000	- .000	180	327	- .027	.057	.199	- .227
180	191	- .267	.074	- .052	- .616	180	242	- .217	.058	- .012	- .473	180	328	.123	.101	.608	- .229
180	192	- .282	.079	- .079	- .809	180	243	- .263	.090	.159	- .723	180	329	- .004	.057	.222	- .189
180	193	- .272	.074	- .004	- .791	180	244	- .159	.077	.227	- .381	180	330	.064	.066	.390	- .076
180	194	- .258	.065	- .099	- .734	180	245	.150	.126	.662	- .194	180	331	.138	.085	.505	- .042
180	195	- .140	.058	- .060	- .332	180	246	- .332	.085	- .090	- .902	180	332	.159	.077	.480	- .082
180	196	- .574	.082	- .336	- 1.111	180	247	- .346	.102	- .071	- 1.004	180	333	.119	.093	.487	- .104
180	197	- .550	.071	- .320	- 1.038	180	248	- .319	.080	- .072	- .777	180	334	- .003	.212	.558	- .801
180	198	- .536	.064	- .356	- .941	180	249	- .336	.084	- .092	- .986	180	335	- .083	.144	.377	- .480
180	199	- .530	.060	- .338	- .789	180	250	- .316	.071	- .137	- .863	180	336	.165	.134	.353	- .591
180	200	- .519	.058	- .314	- .766	180	251	- .351	.101	- .106	- 1.037	180	337	- .223	.117	.398	- .590
180	201	- .540	.066	- .369	- .842	180	252	- .243	.052	- .058	- .515	180	338	- .364	.095	.064	- .716
180	202	- .484	.050	- .332	- .688	180	253	- .376	.127	- .108	- 1.203	180	339	.142	.013	.673	- .740
180	203	- .580	.084	- .381	- 1.050	180	254	- .289	.077	- .051	- .756	180	340	- .362	.092	.083	- .740
180	204	- .563	.072	- .376	- .901	180	255	- .234	.101	- .127	- .615	180	341	.117	.234	.844	- .727
180	205	- .520	.066	- .313	- .770	180	256	.000	.000	.000	- .000	180	342	.115	.160	.680	- .262
180	206	- .502	.066	- .273	- .737	180	257	- .277	.071	- .025	- .540	180	343	.019	.140	.584	- .315
180	207	- .696	.162	- .264	- 1.674	180	258	- .277	.068	- .014	- .619	180	344	- .105	.121	.436	- .429
180	208	- .656	.134	- .343	- 1.682	180	259	- .246	.074	- .007	- .530	180	345	- .355	.080	.043	- .681
180	209	- .590	.126	- .252	- 1.263	180	260	- .440	.152	- .014	- 1.237	180	346	.062	.193	.742	- .654
180	210	- .571	.126	- .226	- 1.232	180	261	- .231	.055	- .014	- .492	180	347	.066	.131	.655	- .269
180	211	- .853	.195	- .178	- 1.728	180	262	- .080	.073	.198	- .323	180	348	- .027	.121	.508	- .390
180	212	- .840	.185	- .305	- 1.700	180	263	- .160	.081	.233	- .416	180	349	.135	.096	.274	- .471
180	213	- .805	.182	- .306	- 1.803	180	264	- .082	.094	.300	- .399	180	350	.375	.080	.117	- .811
180	214	- .786	.179	- .269	- 1.631	180	265	- .324	.110	.239	- .728	180	351	.046	.162	.504	- .520
180	215	- .544	.163	- .153	- 1.239	180	266	- .489	.098	- .144	- .999	180	352	- .263	.071	.063	- .681
180	216	- .577	.183	- .069	- 1.362	180	267	- .481	.122	- .092	- 1.081	180	353	.063	.172	.780	- .423
180	217	- .763	.212	- .187	- 1.821	180	268	- .533	.117	- .118	- 1.261	180	354	.077	.122	.702	- .192
180	218	- .876	.208	- .157	- 1.837	180	269	- .576	.104	- .217	- 1.146	180	355	- .204	.065	.065	- .497
180	219	- .290	.062	- .106	- .590	180	270	- .495	.130	- .044	- 1.053	180	356	- .073	.097	.543	- .336
180	220	- .292	.060	- .069	- .580	180	271	- .546	.116	- .169	- 1.054	180	357	- .302	.080	.025	- .617
180	221	- .330	.079	- .106	- .880	180	272	- .167	.091	.195	- .416	180	358	.588	.127	.283	- .1567
180	222	- .364	.088	- .052	- .784	180	273	- .093	.119	.385	- .471	180	359	.581	.141	.039	- .396
180	223	- .271	.051	- .092	- .595	180	274	- .086	.117	.412	- .430	180	360	.559	.144	.032	- .274
180	224	- .285	.049	- .099	- .580	180	275	.061	.120	.393	- .388	180	361	.519	.104	.149	- .900
180	225	- .253	.051	- .034	- .540	180	276	- .056	.125	.460	- .407	180	362	.509	.142	.057	- .240
180	226	- .243	.043	- .087	- .405	180	277	- .026	.134	.459	- .452	180	363	.543	.113	.276	- .322
180	227	- .256	.048	- .029	- .530	180	278	.062	.163	.574	- .391	180	364	.524	.135	.151	- .207
180	228	- .249	.050	- .040	- .544	180	279	- .122	.088	.216	- .388	180	365	.491	.080	.308	- .930

APPENDIX A -- PRESSURE DATA:

HINES ONE BUILDING -- MINNEAPOLIS , MINNESOTA

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
1800	366	- .524	.115	- .253	- 1.154	1800	502	- .708	.108	- .425	- 1.215	1800	552	- .003	.118	.409	- .405
1800	367	- .452	.126	- .019	- 1.160	1800	503	- .644	.100	- .398	- 1.191	1800	553	- .030	.116	.347	- .467
1800	368	- .488	.163	.009	- 1.374	1800	504	- .699	.115	- .376	- 1.168	1800	554	- .240	.120	.178	- .627
1800	369	- .488	.113	- .276	- 1.089	1800	505	- .708	.128	- .374	- 1.317	1800	555	- .388	.187	.908	- .335
1800	370	- .504	.113	- .191	- 1.048	1800	506	- .609	.115	- .190	- 1.113	1800	556	- .259	.143	.208	- .702
1800	371	- .418	.121	- .042	- 1.083	1800	507	- .678	.113	- .364	- 1.143	1800	557	- .363	.179	.910	- .319
1800	372	- .350	.147	.160	- 1.233	1800	508	- .293	.066	- .017	- .520	1800	558	- .327	.140	.786	- .066
1800	373	- .538	.177	- .200	- 1.738	1800	509	- .153	.089	- .132	- .431	1800	559	- .233	.128	.664	- .168
1800	374	- .356	.110	- .048	- .853	1800	510	- .116	.093	.171	- .460	1800	560	- .079	.112	.529	- .280
1800	375	- .515	.179	- .190	- 1.533	1800	511	- .093	.101	.194	- .448	1800	561	- .405	.133	.151	- .855
1800	376	- .479	.132	- .149	- 1.134	1800	512	- .066	.103	.256	- .371	1800	562	- .188	.194	.855	- .517
1800	377	- .364	.106	- .085	- .838	1800	513	- .000	.111	.357	- .376	1800	563	- .185	.133	.700	- .194
1800	378	- .329	.098	- .016	- .827	1800	514	- .123	.129	.479	- .323	1800	564	- .094	.110	.529	- .256
1800	379	- .157	.072	.100	- .445	1800	515	- .180	.069	.055	- .412	1800	565	- .054	.085	.278	- .352
1800	380	- .200	.065	.073	- .480	1800	516	- .387	.131	.725	- .024	1800	566	- .487	.083	.228	- .836
1800	381	- .122	.139	.550	- .665	1800	517	- .166	.077	.168	- .405	1800	567	- .210	.180	.314	- .884
1800	382	- .170	.066	.060	- .444	1800	518	.213	.121	.589	- .152	1800	568	- .139	.105	.464	- .608
1800	383	- .239	.093	.051	- .723	1800	519	.391	.144	.913	- .012	1800	569	- .154	.106	.268	- .667
1800	384	- .013	.152	.101	- .411	1800	520	.467	.156	.105	- .072	1800	570	- .208	.100	.197	- .932
1800	385	- .118	.062	.125	- .397	1800	521	.449	.169	.908	- .041	1800	571	- .468	.123	.048	- .577
1800	386	- .107	.067	.120	- .363	1800	522	.156	.098	.199	- .458	1800	572	- .355	.106	.053	- .649
1800	387	- .017	.099	.489	- .378	1800	523	.209	.119	.647	- .091	1800	573	- .294	.082	.050	- .665
1800	388	- .093	.062	.105	- .327	1800	524	.328	.134	.812	- .010	1800	574	- .310	.081	.085	- .700
1800	389	- .084	.087	.194	- .446	1800	525	.389	.149	.956	- .034	1800	575	- .322	.091	.065	- .874
1800	390	- .063	.104	.478	- .217	1800	526	.352	.159	.957	- .064	1800	576	- .413	.118	.127	- .748
1800	391	- .094	.061	.158	- .336	1800	527	.365	.153	.920	- .024	1800	577	- .244	.127	.390	- .679
1800	392	- .223	.084	.048	- .528	1800	528	.355	.145	.855	- .012	1800	578	- .169	.137	.591	- .591
1800	393	- .051	.065	.176	- .312	1800	529	.358	.165	.922	- .091	1800	579	- .157	.092	.253	- .551
1800	394	- .006	.082	.303	- .328	1800	530	.351	.167	.935	- .083	1800	580	- .166	.067	.090	- .502
1800	395	- .286	.112	.065	- .890	1800	531	.316	.154	.841	- .067	1800	581	- .240	.066	.023	- .853
1800	396	- .225	.093	.055	- .649	1800	532	.307	.158	.893	- .065	1800	582	- .051	.269	.210	- .997
1800	397	- .211	.087	.044	- .626	1800	533	.303	.153	.965	- .093	1800	583	- .415	.112	.095	- .793
1800	398	- .199	.085	.046	- .536	1800	534	.263	.160	.980	- .183	1800	584	- .408	.087	.106	- .710
1800	399	- .168	.066	.081	- .466	1800	535	.138	.113	.300	- .527	1800	585	- .431	.072	.203	- .632
1800	400	- .160	.061	.030	- .434	1800	536	.174	.114	.634	- .167	1800	586	- .416	.062	.231	- .632
1800	401	- .209	.069	.058	- .617	1800	537	.120	.096	.522	- .148	1800	587	- .059	.241	.014	- .948
1800	402	- .139	.068	.074	- .568	1800	538	.010	.087	.335	- .218	1800	588	- .1032	.196	.259	- .800
1800	403	- .223	.080	.107	- .572	1800	539	- .089	.104	.290	- .446	1800	589	- .451	.338	.062	- .678
1800	404	- .224	.075	.018	- .590	1800	540	- .127	.113	.326	- .584	1800	590	- .423	.116	.151	- .127
1800	405	- .087	.102	.273	- .437	1800	541	- .023	.100	.350	- .393	1800	591	- .905	.176	.515	- .657
1800	406	- .159	.068	.088	- .444	1800	542	- .057	.074	.185	- .370	1800	592	- .919	.233	.286	- .710
1800	407	- .192	.070	.056	- .507	1800	543	- .106	.054	.098	- .355	1800	593	- .521	.155	.146	- .415
1800	408	- .214	.057	- .009	- .503	1800	544	.249	.070	.026	- .639	1800	594	- .517	.089	.274	- .143
1800	409	- .261	.080	.102	- .642	1800	545	.020	.115	.472	- .395	1800	595	- .921	.198	.183	- .752
1800	410	- .122	.054	.079	- .365	1800	546	.169	.142	.783	- .268	1800	596	- .697	.272	.111	- .683
1800	411	- .176	.064	.051	- .563	1800	547	.243	.138	.788	- .247	1800	597	- .448	.137	.042	- .357
1800	412	- .203	.067	.112	- .494	1800	548	.329	.132	.927	- .045	1800	598	- .554	.090	.272	- .034
1800	413	- .133	.055	.081	- .367	1800	549	.241	.093	.601	- .096	1800	599	- .572	.177	.109	- .357
1800	414	- .182	.065	.113	- .446	1800	550	.096	.146	.522	- .460	1800	600	- .406	.157	.007	- .062
1800	501	- .708	.112	- .402	- .1226	1800	551	.017	.121	.393	- .383	1800	601	- .341	.099	.030	- .795

APPENDIX A -- PRESSURE DATA:

HINES ONE BUILDING -- MINNEAPOLIS , MINNESOTA

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
1800	604	- .524	.111	- .157	- 1.078	1800	741	- .145	.083	.222	- .414	1800	837	.000	.000	.000	.000
1800	605	- .309	.089	- .053	- .693	1800	742	- .039	.131	.598	- .363	1800	838	- .355	.075	- .096	- .636
1800	606	- .270	.073	- .051	- .565	1800	743	- .075	.120	.464	- .384	1800	839	.000	.000	.000	.000
1800	608	- .409	.097	- .055	- .839	1800	744	- .065	.140	.482	- .410	1800	840	.000	.000	.000	.000
1800	609	- .232	.070	.023	- .520	1800	745	- .185	.070	.016	- .535	1800	841	.178	.040	.353	.070
1800	610	- .285	.097	.032	- .995	1800	746	- .049	.111	.591	- .215	1800	842	- .056	.089	.367	- .311
1800	611	.000	.000	.000	.000	1800	747	- .172	.053	.028	- .411	1800	843	- .291	.086	.038	- .597
1800	612	- .185	.065	.088	- .495	1800	748	- .260	.075	.007	- .681	1800	844	.000	.000	.000	.000
1800	613	- .149	.068	.139	- .381	1800	749	- .259	.066	- .027	- .544	1800	845	- .458	.088	- .148	- .840
1800	614	- .201	.073	.265	- .595	1800	750	- .237	.088	.076	- .679	1800	846	- .452	.078	- .184	- .755
1800	701	.335	.181	.958	- .174	1800	751	- .250	.092	.146	- .700	1800	847	- .419	.070	- .207	- .727
1800	702	.272	.130	.865	- .197	1800	752	- .124	.122	.350	- .563	1800	848	- .397	.067	- .171	- .668
1800	703	.180	.107	.625	- .164	1800	753	.019	.94	.350	- .361	1800	849	- .421	.089	- .091	- .802
1800	704	.357	.133	.873	- .081	1800	754	- .230	.086	.037	- .663	1800	850	- .390	.064	- .163	- .636
1800	705	.240	.112	.730	- .059	1800	801	- .653	.117	.325	- .215	1800	851	- .384	.097	- .038	- .793
1800	706	.213	.109	.594	- .092	1800	802	- .654	.117	.359	- .109	1800	852	- .377	.074	- .137	- .638
1800	707	.328	.125	.797	- .011	1800	803	- .621	.134	.301	- .203	1800	853	- .363	.111	- .082	- .119
1800	708	.282	.118	.683	- .047	1800	804	- .621	.117	.292	- .186	1800	854	- .366	.107	- .108	- .034
1800	709	.000	.000	.000	.000	1800	805	- .529	.132	.093	- .037	1800	855	- .487	.176	- .079	- .226
1800	710	.180	.114	.585	- .267	1800	806	- .573	.113	.277	- .230	1800	856	- .209	.080	- .101	- .581
1800	711	.039	.100	.430	- .309	1800	807	- .567	.127	.051	- .134	1800	857	- .147	.091	- .120	- .112
1800	712	.110	.099	.455	- .224	1800	808	- .448	.098	.143	- .021	1800	858	- .133	.096	- .140	- .684
1800	713	.002	.019	.079	- .059	1800	809	- .446	.091	.173	- .880	1800	859	- .074	.062	- .136	- .349
1800	714	- .019	.086	.352	- .361	1800	810	- .445	.088	.148	- .905	1800	860	- .109	.065	- .122	- .495
1800	715	.235	.121	.725	- .151	1800	811	- .453	.093	.177	- .785	1800	861	- .046	.076	- .220	- .443
1800	716	.062	.090	.448	- .233	1800	812	- .493	.116	.171	- .053	1800	862	- .044	.066	- .177	- .432
1800	717	.003	.016	.070	- .043	1800	813	- .545	.164	.127	- .440	1800	863	- .093	.079	- .253	- .806
1800	718	.075	.070	.253	- .305	1800	814	- .586	.196	.154	- .756	1800	864	- .087	.073	- .202	- .661
1800	720	.064	.057	.175	- .068	1800	815	- .428	.092	.144	- .002	1800	865	- .634	.126	- .213	- .184
1800	721	.015	.014	.041	- .068	1800	816	- .529	.173	.112	- .556	1800	866	- .594	.099	- .256	- .006
1800	722	.096	.061	.090	- .311	1800	817	- .249	.074	.027	- .572	1800	867	- .602	.108	- .194	- .152
1800	723	.133	.089	.126	- .527	1800	818	- .405	.080	.158	- .863	1800	868	- .656	.114	- .342	- .138
1800	724	.019	.071	.287	- .258	1800	819	- .407	.105	.094	- .864	1800	869	- .642	.105	- .334	- .076
1800	725	.052	.024	.144	- .018	1800	820	- .418	.130	.095	- .162	1800	870	- .575	.111	- .229	- .144
1800	726	.018	.139	.522	- .650	1800	821	- .488	.171	.023	- .178	1800	871	- .552	.103	- .122	- .103
1800	727	.354	.099	.054	- .765	1800	822	- .179	.079	.117	- .596	1800	872	- .547	.081	- .250	- .846
1800	728	.328	.201	.278	- .133	1800	823	- .250	.065	.031	- .543	1800	873	- .559	.084	- .270	- .891
1800	729	.450	.178	.235	- .063	1800	824	- .151	.076	.126	- .491	1800	874	- .558	.079	- .305	- .912
1800	730	.179	.141	.344	- .809	1800	825	- .043	.145	.773	- .500	1800	875	- .554	.082	- .305	- .963
1800	731	.372	.201	.342	- .250	1800	826	- .115	.124	.382	- .490	1800	876	.528	.080	- .290	- .879
1800	732	.293	.191	.473	- .121	1800	827	- .470	.153	.123	- .482	1800	877	.565	.082	- .272	- .969
1800	733	.221	.121	.258	- .649	1800	828	- .373	.111	.023	- .065	1800	878	.567	.084	- .229	- .881
1800	734	.102	.184	.709	- .554	1800	829	- .345	.104	.059	- .832	1800	879	.545	.081	- .305	- .859
1800	735	.133	.172	.688	- .663	1800	830	- .356	.097	.044	- .734	1800	880	.388	.066	- .191	- .639
1800	736	.139	.168	.533	- .644	1800	831	- .394	.098	.069	- .914	1800	881	.599	.097	- .293	- .950
1800	737	.123	.084	.155	- .503	1800	832	- .407	.111	.086	- .044	1800	882	.575	.079	- .358	- .857
1800	738	.145	.110	.259	- .554	1800	833	- .393	.085	.057	- .684	1800	883	.570	.074	- .330	- .872
1800	739	.093	.082	.180	- .430	1800	834	- .331	.141	.204	- .888	1800	884	.523	.080	- .234	- .783
1800	740	.135	.028	.044	- .232	1800	835	- .206	.126	.232	- .823	1800	885	.535	.094	- .172	- .959

APPENDIX A -- PRESSURE DATA:

HIMES ONE BUILDING -- MINNEAPOLIS , MINNESOTA

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
195	123	-.604	.089	-.334	-.899	195	173	-.479	.116	-.225	-1.311	195	223	-.223	.048	-.044	-.405
195	124	-.606	.083	-.261	-.918	195	174	-.472	.087	-.133	-1.179	195	224	-.229	.048	.016	-.431
195	125	-.555	.095	-.085	-.891	195	175	-.466	.090	-.160	-1.167	195	225	-.206	.043	.014	-.370
195	126	-.521	.103	-.140	-.939	195	176	-.503	.112	-.128	-1.589	195	226	-.208	.049	.016	-.410
195	127	-.530	.100	-.081	-.913	195	177	-.523	.132	-.071	-1.231	195	228	-.203	.049	.014	-.419
195	128	-.558	.096	-.083	-.904	195	178	-.582	.166	-.050	-1.600	195	230	-.084	.119	.666	.362
195	129	-.526	.097	-.027	-.836	195	179	-.386	.073	-.119	-1.920	195	231	-.000	.000	.000	.000
195	130	-.506	.096	-.049	-.852	195	180	-.397	.083	-.147	-1.785	195	232	-.333	.136	.817	-.041
195	131	-.431	.103	-.041	-.863	195	181	-.440	.113	-.156	-1.119	195	233	-.070	.123	.589	-.351
195	132	-.540	.096	-.076	-.900	195	182	-.517	.146	-.131	-1.121	195	234	-.270	.1522	.790	-.145
195	133	-.524	.099	-.034	-.918	195	183	-.586	.160	-.052	-1.460	195	235	-.381	.152	.916	.002
195	134	-.507	.102	-.120	-.988	195	184	-.309	.074	-.050	-1.750	195	236	-.203	.082	.188	.539
195	135	-.633	.119	-.228	-.227	195	185	-.305	.063	-.074	-1.565	195	237	-.000	.000	.000	.000
195	136	-.645	.102	-.342	-.021	195	186	-.292	.053	-.108	-1.599	195	238	-.040	.125	.516	-.445
195	137	-.633	.099	-.357	-.989	195	187	-.314	.068	-.081	-1.684	195	239	-.165	.104	.250	-.538
195	138	-.533	.093	-.142	-.846	195	188	-.337	.095	-.100	-1.905	195	240	-.105	.194	.640	-.603
195	139	-.484	.094	-.142	-.904	195	189	-.245	.081	-.014	-1.586	195	241	-.000	.000	.000	.000
195	140	-.708	.144	-.292	-.473	195	190	-.222	.064	-.030	-1.481	195	242	-.176	.056	.046	.429
195	141	-.766	.191	-.318	-.315	195	191	-.217	.086	-.023	-1.600	195	243	-.214	.094	.174	.621
195	142	-.623	.123	-.198	-.139	195	192	-.211	.088	-.060	-1.623	195	244	-.168	.066	.128	-.872
195	143	-.431	.083	-.059	-.732	195	193	-.197	.064	-.000	-1.481	195	245	-.118	.129	.575	-.261
195	144	-.389	.072	-.144	-.684	195	194	-.202	.057	-.039	-1.506	195	246	-.344	.130	-.062	-.134
195	145	-.860	.284	-.208	-.203	195	195	-.127	.056	-.050	-1.334	195	247	-.318	.118	.060	-.877
195	146	-.655	.209	-.118	-.178	195	196	-.527	.074	-.314	-1.893	195	248	-.233	.074	-.000	.601
195	147	-.419	.100	-.084	-.868	195	197	-.509	.068	-.306	-1.892	195	249	-.246	.072	-.023	.679
195	148	-.316	.064	-.027	-.589	195	198	-.500	.063	-.291	-1.837	195	250	-.225	.063	-.055	.482
195	149	-.252	.058	-.062	-.435	195	199	-.492	.063	-.275	-1.760	195	251	-.234	.072	-.023	.587
195	150	-.563	.240	-.098	-.882	195	200	-.486	.061	-.267	-1.759	195	252	-.185	.053	.023	-.424
195	151	-.219	.066	-.000	-.541	195	201	-.472	.068	-.290	-1.940	195	253	-.239	.072	.014	.637
195	152	-.472	.264	-.257	-.025	195	202	-.434	.054	-.243	-1.648	195	254	-.240	.086	.182	.618
195	153	-.247	.085	-.087	-.763	195	203	-.475	.082	-.270	-1.230	195	255	-.193	.083	.085	.515
195	154	-.194	.064	.210	-.431	195	204	-.461	.062	-.271	-1.877	195	256	-.000	.000	.000	.000
195	155	-.000	.000	.000	.000	195	205	-.420	.059	-.246	-1.753	195	257	-.215	.084	.154	.481
195	156	-.261	.069	-.087	-.449	195	206	-.409	.058	-.146	-1.691	195	258	-.217	.065	.023	.528
195	157	-.537	.078	-.278	-.975	195	207	-.513	.152	-.153	-2.160	195	259	-.254	.081	.034	.644
195	158	-.529	.076	-.267	-.829	195	208	-.484	.115	-.091	-1.470	195	260	-.417	.160	.055	-.264
195	159	-.524	.071	-.281	-.778	195	209	-.423	.095	-.178	-1.995	195	261	-.191	.052	.048	.404
195	160	-.520	.068	-.286	-.850	195	210	-.407	.091	-.175	-1.930	195	262	-.098	.063	.261	.325
195	161	-.514	.065	.300	-.839	195	211	-.675	.201	-.115	-1.716	195	263	-.137	.071	.209	-.473
195	162	-.512	.068	-.287	-.827	195	212	-.632	.172	-.112	-1.472	195	264	-.101	.082	.193	.397
195	163	-.476	.056	-.299	-.740	195	213	-.569	.154	-.203	-1.585	195	265	-.249	.128	.355	.683
195	164	-.530	.075	-.263	-.937	195	214	-.548	.150	-.175	-1.435	195	301	-.518	.091	-.223	-.842
195	165	-.478	.053	-.260	-.763	195	215	-.586	.153	-.062	-1.173	195	302	-.474	.081	-.097	.035
195	166	-.464	.052	-.291	-.732	195	216	-.620	.152	-.130	-1.301	195	303	-.531	.134	-.113	-.133
195	167	-.458	.052	-.304	-.700	195	217	-.661	.157	-.235	-1.522	195	304	-.599	.098	-.240	-.974
195	168	-.480	.072	-.247	-.042	195	218	-.673	.161	-.252	-1.885	195	305	-.475	.160	-.221	-.043
195	169	-.506	.083	-.271	-.861	195	219	-.279	.081	-.007	-1.699	195	306	-.124	.124	-.124	-.030
195	170	-.468	.069	-.242	-.753	195	220	-.291	.078	-.073	-1.679	195	307	-.603	.124	-.124	-.030
195	171	-.461	.070	-.236	-.875	195	221	-.347	.105	-.057	-1.922	195	308	-.030	.110	.383	-.358
195	172	-.470	.091	-.243	-.172	195	222	-.426	.135	-.036	-1.137	195	309	-.041	.128	.429	-.332

APPENDIX A -- PRESSURE DATA: HINES ONE BUILDING -- MINNEAPOLIS, MINNESOTA

UD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	UD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	UD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
310	.019	.123	.412	-.301	195	360	-.534	.090	-.259	-.1	.059	1955	411	-.115	.056	.083	-.456
311	.026	.121	.445	-.318	195	361	-.521	.067	-.266	-.1	.062	1955	412	-.212	.084	.039	-.699
312	.012	.125	.464	-.281	195	362	-.506	.081	-.232	-.1	.104	1955	413	-.225	.059	-.007	-.437
313	.037	.128	.571	-.404	195	363	-.525	.095	-.216	-.1	.142	1955	414	-.196	.070	.057	-.602
314	.057	.142	.535	-.385	195	364	-.516	.092	-.227	-.1	.063	1955	415	-.605	.056	-.014	-.439
315	.002	.105	.413	-.278	195	365	-.556	.119	-.310	-.1	.139	1955	501	-.608	.081	-.366	-.989
316	.242	.137	.831	-.222	195	366	-.453	.118	-.002	-.1	.174	1955	502	-.630	.089	-.346	-.031
317	.034	.062	.269	-.190	195	367	-.473	.157	-.002	-.1	.185	1955	503	-.605	.085	-.375	-.084
318	.148	.114	.621	-.103	195	368	-.525	.119	-.269	-.1	.208	1955	504	-.615	.111	-.350	-.179
319	.255	.133	.756	-.056	195	369	-.532	.123	-.066	-.1	.186	1955	505	-.586	.115	-.217	-.215
320	.282	.135	.765	-.228	195	370	-.534	.130	-.077	-.1	.186	1955	506	-.608	.108	-.249	-.113
321	.250	.161	.785	-.228	195	371	-.534	.130	-.077	-.1	.186	1955	507	-.608	.085	-.366	-.458
322	-	.033	.083	.265	195	372	-.257	.142	-.175	-.1	.196	1955	508	-.172	.085	-.277	-.392
323	.056	.084	.436	.239	195	373	-.539	.186	-.266	-.1	.167	1955	509	-.035	.102	-.306	-.361
324	.134	.103	.573	.165	195	374	-.524	.088	-.140	-.1	.171	1955	510	-.019	.103	-.336	-.395
325	.163	.101	.598	.081	195	375	-.524	.190	-.140	-.1	.171	1955	511	-.037	.103	-.361	-.359
326	.107	.107	.569	.173	195	376	-.453	.124	-.142	-.1	.179	1955	512	-.066	.108	-.460	-.402
327	-.045	.055	.162	.213	195	378	-.298	.095	-.027	-.1	.194	1955	513	-.126	.126	-.555	-.384
328	-.082	.083	.458	.107	195	379	-.268	.083	-.041	-.1	.204	1955	514	-.045	.092	-.252	-.699
329	-.006	.065	.255	.205	195	380	-.133	.077	-.141	-.1	.212	1955	515	-.354	.113	-.371	-.371
330	.077	.085	.400	.129	195	381	-.183	.069	-.096	-.1	.218	1955	516	-.329	.095	-.294	-.680
331	.146	.096	.579	.079	195	382	-.269	.145	.315	-.1	.234	1955	517	-.472	.163	-.979	-.979
332	.152	.085	.526	.096	195	383	-.132	.063	.064	-.1	.235	1955	518	-.472	.166	-.032	-.073
333	.090	.085	.485	.269	195	384	-.206	.091	.100	-.1	.235	1955	519	-.324	.160	-.824	-.099
334	-.120	.187	.397	.812	195	385	-.175	.191	.506	-.1	.235	1955	520	-.300	.105	-.441	-.366
335	-.131	.104	.269	.385	195	386	-.106	.054	.087	-.1	.235	1955	521	-.360	.136	-.901	-.085
336	-.170	.095	.221	.426	195	387	-.065	.085	.269	-.1	.235	1955	522	-.450	.143	-.946	-.066
337	-.208	.084	.106	.430	195	388	-.134	.142	.345	-.1	.235	1955	523	-.260	.148	-.788	-.145
338	-.323	.066	-.088	.607	195	389	-.067	.062	.150	-.1	.235	1955	524	-.380	.138	-.805	-.016
339	-.043	.209	.657	.673	195	390	-.010	.169	.405	-.1	.235	1955	525	-.378	.150	-.864	-.016
340	-.330	.069	-.079	.598	195	391	-.021	.153	.467	-.1	.235	1955	526	-.360	.149	-.821	-.014
341	.051	.214	.708	.780	195	392	-.127	.063	.095	-.1	.235	1955	527	-.349	.142	-.793	-.038
342	.092	.124	.557	.297	195	393	-.286	.084	.075	-.1	.235	1955	528	-.380	.138	-.805	-.016
343	-.009	.107	.437	.301	195	394	-.022	.078	.382	-.1	.235	1955	529	-.378	.150	-.864	-.016
344	-.091	.092	.323	.381	195	395	-.046	.127	.508	-.1	.235	1955	530	-.360	.149	-.821	-.014
345	-.341	.071	-.083	.686	195	396	-.242	.122	.137	-.1	.235	1955	531	-.290	.133	-.696	-.049
346	-.006	.148	.614	.587	195	397	-.180	.082	.014	-.1	.235	1955	532	-.341	.143	-.788	-.027
347	.019	.083	.430	.238	195	398	-.163	.068	.009	-.1	.235	1955	533	-.156	.140	-.827	-.075
348	-.037	.083	.445	.336	195	399	-.197	.078	.007	-.1	.235	1955	534	-.029	.150	-.634	-.233
349	-.127	.070	.241	.396	195	400	-.151	.050	.028	-.1	.235	1955	535	-.252	.108	-.339	-.260
350	-.360	.074	-.160	.733	195	401	-.166	.061	.041	-.1	.235	1955	536	-.252	.122	-.716	-.080
351	-.007	.125	.393	.529	195	402	-.175	.054	.007	-.1	.235	1955	537	-.202	.107	-.702	-.087
352	-.290	.075	.037	.667	195	403	-.132	.050	.067	-.1	.235	1955	538	-.041	.085	-.326	-.229
353	-.048	.127	.588	.314	195	404	-.189	.076	.035	-.1	.235	1955	539	-.060	.097	-.535	-.453
354	-.060	.091	.561	.136	195	405	-.223	.072	.000	-.1	.235	1955	540	-.063	.109	-.535	-.451
355	-.280	.072	-.062	.623	195	406	-.209	.142	.283	-.1	.235	1955	541	-.020	.073	-.261	-.326
356	-.081	.068	.259	.278	195	407	-.114	.058	.106	-.1	.235	1955	542	-.119	.057	-.664	-.326
357	-.295	.063	.115	.594	195	408	-.185	.060	.030	-.1	.235	1955	543	-.074	.077	-.115	-.208
358	-.547	.105	-.299	-.1	329	409	-.228	.056	.041	-.1	.235	1955	544	-.074	.077	-.112	-.519
359	-.538	.095	-.273	-.1	266	410	-.313	.083	.021	-.1	.235	1955	545	-.074	.112	-.519	-.208

APPENDIX A -- PRESSURE DATA:

HINES ONE BUILDING -- MINNEAPOLIS , MINNESOTA

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
195	546	.237	.134	.746	-.173	195	598	-.882	.202	-.160	-1.619	195	735	-.390	.141	.311	-.927
195	547	.275	.127	.769	-.028	195	599	-.623	.209	-.097	-1.343	195	736	-.371	.146	.301	-.820
195	548	.324	.128	.791	-.035	195	600	-.589	.150	-.204	-1.327	195	737	-.266	.143	.137	-.772
195	549	.223	.091	.639	-.070	195	601	-.753	.178	-.206	-1.594	195	738	-.326	.131	.138	-.793
195	550	-.161	.163	.394	-.245	195	602	-.636	.192	-.021	-1.289	195	739	-.242	.135	.193	-.715
195	551	-.094	.095	.245	-.365	195	603	-.445	.145	-.069	-1.062	195	740	-.283	.044	.155	-.405
195	552	-.127	.089	.185	-.393	195	604	-.542	.106	-.222	-1.001	195	741	-.275	.100	.059	-.560
195	553	-.169	.087	.160	-.456	195	605	-.440	.115	-.124	-1.046	195	742	-.146	.184	.476	-.687
195	554	-.413	.089	-.138	-.237	195	606	-.381	.094	-.078	-1.828	195	743	-.246	.123	.326	-.616
195	555	.096	.200	.734	-.560	195	608	-.510	.104	-.213	-1.921	195	744	-.224	.146	.350	-.646
195	556	-.472	.119	-.143	-.924	195	609	-.268	.061	-.071	-1.541	195	745	-.241	.081	-.014	-.540
195	557	.073	.209	.747	-.740	195	610	-.366	.117	-.055	-1.933	195	746	-.009	.075	.455	-.191
195	558	.180	.124	.632	-.189	195	611	-.000	.000	-.000	-1.000	195	747	-.236	.065	.025	-.502
195	559	.083	.110	.468	-.278	195	612	-.213	.057	-.005	-1.486	195	748	-.333	.076	.107	-.683
195	560	-.068	.092	.232	-.375	195	613	-.153	.072	-.135	-1.420	195	749	-.310	.067	-.041	-.651
195	561	-.475	.108	-.153	-.855	195	614	-.198	.071	-.073	-1.511	195	750	-.240	.084	.076	-.798
195	562	-.090	.211	.585	-.760	195	701	-.264	.185	-.969	-2.222	195	751	-.296	.078	.037	-.890
195	563	-.074	.118	.508	-.301	195	702	-.251	.131	-.702	-1.187	195	752	-.262	.151	.222	-.831
195	564	-.008	.101	.394	-.296	195	703	-.175	.119	-.698	-1.171	195	753	-.140	.147	.319	-.656
195	565	-.136	.093	.190	-.463	195	704	-.391	.135	1.006	-.011	195	754	-.312	.094	.002	-.770
195	566	-.509	.098	-.243	-.863	195	705	-.269	.119	-.886	-.041	195	801	-.642	.090	-.266	-.099
195	567	-.496	.221	.148	-.167	195	706	-.258	.125	-.788	-.080	195	802	-.669	.092	-.344	-.998
195	568	-.231	.091	.080	-.720	195	707	-.341	.138	-.842	-.016	195	803	-.640	.115	.257	-.221
195	569	-.231	.083	.188	-.477	195	708	-.323	.131	-.866	-.011	195	804	-.564	.094	.238	-.852
195	570	-.285	.079	.054	-.527	195	709	-.211	.112	-.825	-.023	195	805	-.461	.145	.061	-.207
195	571	-.554	.094	-.226	-.925	195	710	-.214	.107	-.677	-.068	195	806	-.538	.074	.292	-.848
195	572	-.526	.122	-.171	-.033	195	711	-.067	.088	-.468	-.205	195	807	-.528	.079	.323	-.871
195	573	-.369	.096	-.127	-.930	195	712	-.138	.090	-.502	-.100	195	808	-.516	.076	.240	-.933
195	574	-.361	.063	-.159	-.602	195	713	-.051	.085	-.380	-.172	195	809	-.545	.083	.270	-.329
195	575	-.394	.072	-.146	-.664	195	714	-.008	.076	-.276	-.223	195	810	-.562	.093	.288	-.985
195	576	-.537	.103	.162	-.915	195	715	-.207	.112	-.632	-.075	195	811	-.600	.111	.321	-.156
195	577	.293	.128	.728	-.073	195	716	-.070	.086	-.405	-.161	195	812	-.680	.140	.267	-.229
195	578	.353	.114	.367	-.750	195	717	-.060	.082	-.387	-.176	195	813	-.793	.193	.278	-.1670
195	579	.304	.109	.016	-.804	195	718	-.044	.021	-.278	-.271	195	814	-.930	.195	.271	-.597
195	580	-.283	.096	-.011	-.948	195	720	-.051	.058	-.202	-.261	195	815	-.510	.086	.213	-.978
195	581	-.339	.078	-.094	-.720	195	721	-.073	.065	-.174	-.373	195	816	-.807	.195	.319	-.800
195	582	-.979	.250	-.397	-.1864	195	722	-.116	.056	-.077	-.369	195	817	-.278	.081	.005	-.570
195	583	-.650	.124	-.332	-.1403	195	723	-.138	.071	-.157	-.415	195	818	-.495	.082	.213	-.811
195	584	-.638	.118	-.325	-.1104	195	724	-.036	.074	-.227	-.234	195	819	-.520	.104	.195	-.991
195	585	-.592	.108	-.236	-.1005	195	725	-.279	.120	-.754	-.014	195	820	-.539	.127	.096	-.041
195	586	-.541	.094	-.232	-.869	195	726	-.037	.148	-.458	-.684	195	821	-.676	.193	.096	-.523
195	587	-.1059	.270	-.440	-.2053	195	727	-.305	.109	-.014	-.751	195	822	-.176	.086	.064	-.554
195	588	-.843	.193	-.413	-.1539	195	728	-.626	.229	-.035	-.479	195	823	-.269	.069	.073	-.555
195	589	-.873	.187	-.408	-.1610	195	729	-.626	.229	-.035	-.479	195	824	-.142	.094	.223	-.501
195	590	-.710	.166	-.300	-.1378	195	730	-.564	.145	-.066	-.173	195	825	-.265	.174	.610	-.018
195	591	-.868	.180	-.477	-.1663	195	731	-.424	.174	-.191	-.044	195	826	-.264	.136	.225	-.741
195	592	-.904	.175	.502	-.1660	195	732	-.524	.131	-.094	-.291	195	827	-.684	.162	.201	-.397
195	593	-.766	.170	-.283	-.1475	195	733	-.417	.110	-.055	-.920	195	828	-.451	.122	.002	-.158
195	594	-.700	.184	-.254	-.1356	195	734	-.232	.257	-.800	-.926	195	829	-.386	.110	.021	-.878
195	595	-.797	.168	-.440	-.1601	195	734	-.232	.257	-.800	-.926	195	830	-.355	.103	.002	-.749

APPENDIX A -- PRESSURE DATA:

HINES ONE BUILDING -- MINNEAPOLIS , MINNESOTA

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
195	831	- .364	.105	.002	-.918	210	117	-.549	.075	-.307	-.814	210	167	-.477	.069	-.235	-.979
195	832	-.584	.151	-.175	-1.312	210	118	-.489	.070	-.239	-.793	210	168	-.503	.096	-.203	-1.058
195	833	-.358	.089	-.006	-.857	210	119	-.435	.065	-.111	-.684	210	169	-.587	.128	-.252	-1.157
195	834	-.416	.158	.170	-1.082	210	120	-.443	.058	-.211	-.657	210	170	-.531	.097	-.232	-1.916
195	835	-.227	.147	.332	-.918	210	121	-.504	.068	-.311	-.620	210	171	-.530	.106	-.204	-1.189
195	836	-.254	.124	.188	-.801	210	122	-.560	.079	-.261	-.901	210	172	-.560	.124	-.178	-1.380
195	837	-.000	.000	-.000	-.000	210	123	-.541	.078	-.283	-.990	210	173	-.583	.150	-.125	-1.429
195	838	-.332	.082	-.064	-.625	210	124	-.462	.074	-.151	-.788	210	174	-.533	.125	-.223	-1.088
195	839	-.000	.000	-.000	-.000	210	125	-.445	.064	-.192	-.780	210	175	-.561	.117	-.237	-1.083
195	840	-.000	.000	-.000	-.000	210	126	-.496	.080	-.272	-.879	210	176	-.625	.145	-.185	-1.308
195	841	.179	.036	.353	-.077	210	127	-.457	.068	-.207	-.796	210	177	-.652	.166	-.164	-1.427
195	842	-.036	.085	.302	-.283	210	128	-.436	.064	-.186	-.783	210	178	-.712	.199	-.033	-1.657
195	843	-.285	.095	.087	-.624	210	129	-.433	.066	-.203	-.787	210	179	-.393	.083	-.091	-1.912
195	844	-.000	.000	-.000	-.000	210	130	-.433	.067	-.191	-.800	210	180	-.414	.092	-.056	-1.785
195	845	-.431	.100	-.042	-.850	210	131	-.387	.068	-.149	-.776	210	181	-.460	.118	-.035	-1.931
195	846	-.435	.087	-.116	-.962	210	132	-.433	.063	-.206	-.737	210	182	-.000	.000	-.000	-.000
195	847	-.408	.078	-.147	-.870	210	133	-.465	.074	-.194	-.769	210	183	-.586	.155	-.104	-1.110
195	848	-.386	.074	-.141	-.787	210	134	-.489	.085	-.235	-.877	210	184	-.299	.074	-.057	-1.742
195	849	-.370	.087	-.052	-.765	210	135	-.575	.196	-.236	-.148	210	185	-.304	.069	-.093	-1.679
195	850	-.359	.072	-.134	-.720	210	136	-.555	.087	-.326	-.087	210	186	-.303	.061	-.115	-1.715
195	851	-.344	.107	-.099	-.804	210	137	-.487	.087	-.124	-.873	210	187	-.339	.073	-.118	-1.765
195	852	-.346	.084	-.006	-.676	210	138	-.420	.069	-.199	-.690	210	188	-.341	.082	-.065	-1.915
195	853	-.337	.121	-.038	-.1009	210	139	-.469	.089	-.172	-.858	210	189	-.238	.090	-.029	-1.713
195	854	-.334	.109	-.068	-.1200	210	140	-.567	.113	-.244	-.087	210	190	-.227	.073	-.009	-1.943
195	855	-.513	.202	.195	-.1332	210	141	-.574	.102	-.264	-.319	210	191	-.220	.101	-.029	-1.881
195	856	-.259	.092	.140	-.693	210	142	-.484	.075	-.237	-.855	210	192	-.216	.094	-.000	-1.745
195	857	-.146	.097	.219	-.919	210	143	-.402	.065	-.060	-.660	210	193	-.198	.056	-.018	-1.511
195	858	-.130	.123	.265	-.817	210	144	-.397	.064	-.191	-.657	210	194	-.215	.057	-.020	-1.461
195	859	-.103	.065	.139	-.336	210	145	-.676	.168	-.300	-.488	210	195	-.120	.050	-.045	-1.323
195	860	-.138	.065	.079	-.453	210	146	-.616	.134	-.298	-.348	210	196	-.543	.105	-.218	-1.422
195	861	-.073	.074	.267	-.320	210	147	-.458	.083	-.225	-.827	210	197	-.516	.086	-.208	-1.001
195	862	-.079	.063	.153	-.387	210	148	-.345	.062	-.120	-.637	210	198	-.515	.073	-.264	-1.978
195	863	-.119	.067	.128	-.584	210	149	-.260	.057	-.090	-.480	210	199	-.504	.074	-.272	-1.150
195	864	-.119	.065	.131	-.530	210	150	-.763	.353	-.136	-.2469	210	200	-.501	.068	-.288	-1.137
210	101	-.590	1.15	-.176	-.1319	210	151	-.226	.064	-.020	-.474	210	201	-.515	.111	-.174	-1.355
210	102	-.566	1.11	-.167	-.1665	210	152	-.647	.398	-.292	-.049	210	202	-.468	.066	-.269	-1.003
210	103	-.560	1.19	-.207	-.1092	210	153	-.289	.105	-.065	-.851	210	203	-.525	.124	-.091	-1.698
210	104	-.571	.091	-.273	-.1105	210	154	-.229	.076	-.099	-.565	210	204	-.500	.090	-.052	-1.094
210	105	-.572	.088	-.277	-.1488	210	155	-.209	.062	-.065	-.447	210	205	-.462	.075	-.253	-1.951
210	106	-.550	1.14	-.206	-.1446	210	156	-.202	.077	-.059	-.591	210	206	-.436	.070	-.244	-1.838
210	107	-.531	1.10	-.212	-.188	210	157	-.545	.096	-.235	-.052	210	207	-.654	.202	-.063	-1.917
210	108	-.507	.095	-.193	-.025	210	158	-.522	.079	-.196	-.952	210	208	-.610	.155	-.108	-1.663
210	109	-.505	.097	-.201	-.130	210	159	-.516	.074	-.249	-.908	210	209	-.553	.130	-.235	-1.959
210	110	-.486	.091	-.208	-.1021	210	160	-.501	.082	-.237	-.979	210	210	-.537	.122	-.221	-1.461
210	111	-.495	.090	-.190	-.974	210	161	-.502	.084	-.217	-.037	210	211	-.768	.203	-.066	-1.628
210	112	-.484	.085	-.211	-.917	210	162	-.532	.095	-.227	-.883	210	212	-.768	.170	-.090	-1.737
210	113	-.516	.088	-.198	-.130	210	163	-.489	.082	-.220	-.963	210	213	-.747	.154	-.330	-1.814
210	114	-.512	.081	-.270	-.846	210	164	-.564	.095	-.293	-.087	210	214	-.738	.147	-.334	-1.637
210	115	-.506	.089	-.212	-.943	210	165	-.493	.064	-.250	-.771	210	215	-.576	.175	-.120	-1.413
210	116	-.344	.054	-.186	-.626	210	166	-.482	.065	-.239	-.861	210	216	-.615	.188	-.045	-1.305

APPENDIX A -- PRESSURE DATA:

HINES ONE BUILDING -- MINNEAPOLIS , MINNESOTA

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
210	217	- .731	.184	- .289	- 1.731	210	304	- .342	.127	- .004	- .901	210	354	.039	.069	.363	- .153
2210	218	- .747	.176	- .321	- 1.639	210	305	- .449	.098	- .147	- .915	210	355	- .353	.114	.037	- .863
2210	219	- .293	.073	- .093	- .835	210	306	- .172	.157	- .267	- .802	210	356	- .077	.067	.252	- .259
2210	220	- .318	.079	- .135	- .801	210	307	- .390	.151	- .154	- .982	210	357	- .299	.071	.010	- .616
2210	221	- .416	.126	- .163	- 1.039	210	308	.054	.169	.677	- .372	210	358	- .542	.124	.264	- 1.190
2210	222	- .518	.169	- 1.183	- 1.346	210	309	.094	.175	.814	- .389	210	359	- .483	.088	.252	- .960
2210	223	- .224	.051	- .016	- .389	210	310	.083	.163	.736	- .311	210	360	- .475	.081	.189	- .963
2210	224	- .224	.040	- .059	- .374	210	311	.096	.160	.749	- .335	210	361	- .467	.066	.260	- .812
2210	225	- .214	.051	- .011	- .391	210	312	.077	.156	.653	- .322	210	362	- .474	.072	.202	- .778
2210	226	- .211	.040	- .045	- .334	210	313	.099	.163	.785	- .322	210	363	- .492	.090	.266	- 1.092
2210	227	- .215	.041	- .034	- .349	210	314	.098	.152	.640	- .302	210	364	- .488	.084	.228	- .853
2210	228	- .205	.040	- .043	- .338	210	315	.022	.139	.532	- .342	210	365	- .507	.086	.306	- .867
2210	229	- .064	.103	- .462	- .314	210	316	.237	.174	.953	- .230	210	366	- .544	.114	.252	- 1.141
2210	230	.000	.000	.000	.000	210	317	.032	.058	.247	- .209	210	367	- .424	.118	.031	- .931
2210	231	.294	.134	.935	.057	210	318	.100	.096	.506	- .153	210	368	- .441	.149	.086	- 1.236
2210	232	.037	.099	.430	.244	210	319	.212	.132	.821	- .113	210	369	- .550	.143	.222	- 1.289
2210	233	.220	.132	.621	.121	210	320	.260	.151	.849	- .104	210	370	- .523	.126	.237	- 1.096
2210	234	.313	.137	.879	.059	210	321	.197	.148	.840	- .242	210	371	- .300	.125	.146	- .751
2210	235	- .162	.090	.163	.451	210	322	.064	.065	.228	- .311	210	372	- .228	.130	.079	- .767
2210	236	.000	.000	.000	.000	210	323	.022	.065	.318	- .152	210	373	- .604	.193	.149	- 1.429
2210	237	.038	.122	.430	.457	210	324	.092	.091	.515	- .128	210	374	- .272	.068	.085	- .680
2210	238	.081	.110	.334	.409	210	325	.146	.108	.715	- .137	210	375	- .536	.188	.166	- 1.617
2210	239	.157	.118	.414	.562	210	326	.101	.111	.645	- .237	210	376	- .404	.096	.158	- .875
2210	240	.000	.000	.000	.000	210	327	-.060	.042	.126	- .225	210	378	- .265	.073	.048	- .648
2210	241	.166	.056	.150	.439	210	328	-.052	.074	.396	- .342	210	379	- .245	.063	.051	- .576
2210	242	.151	.089	.118	.624	210	329	-.030	.047	.201	- .183	210	380	- .125	.072	.145	- .398
2210	243	.149	.063	.134	.410	210	330	.044	.063	.317	- .121	210	381	- .180	.079	.154	- .541
2210	244	.014	.098	.468	.222	210	331	.122	.090	.650	- .076	210	382	- .435	.143	.080	- 1.006
2210	245	.425	.173	.091	- 1.531	210	332	.131	.092	.675	- .263	210	383	- .114	.063	.101	- 1.361
2210	246	.398	.157	-.018	- 1.184	210	333	.082	.076	.446	- .178	210	384	- .183	.091	.209	- .597
2210	247	.266	.198	.005	-.999	210	334	-.132	.191	.441	- .860	210	385	- .386	.148	.290	- .849
2210	248	.247	.070	.041	-.620	210	335	-.107	.098	.295	- .423	210	386	-.094	.058	.133	- .448
2210	249	.209	.050	-.050	-.444	210	336	-.148	.085	.202	- .382	210	387	-.110	.130	.304	- .688
2210	250	.217	.058	-.050	-.466	210	337	-.187	.073	.096	- .398	210	388	-.295	.134	.340	- .698
2210	251	.172	.041	-.016	-.432	210	338	-.304	.061	-.055	-.588	210	389	-.048	.077	.337	- .383
2210	252	.217	.059	-.034	-.697	210	339	-.017	.216	.566	-.878	210	390	-.076	.177	.480	- .708
2210	253	.226	.100	.173	.644	210	340	-.316	.066	-.084	-.691	210	391	-.266	.159	.388	- .751
2210	254	.138	.077	.185	.389	210	341	-.019	.197	.728	-.788	210	392	-.161	.102	.188	- .691
2210	255	.000	.000	.000	.000	210	342	-.067	.116	.597	-.238	210	393	-.281	.081	.104	- .530
2210	256	.162	.095	.312	.541	210	343	-.008	.099	.411	-.264	210	394	-.025	.113	.478	- .538
2210	257	.180	.065	.105	.389	210	344	-.098	.081	.199	-.360	210	395	-.205	.151	.292	- .608
2210	258	.201	.074	.113	.479	210	345	-.337	.072	-.672	-.676	210	396	-.200	.100	.149	- .698
2210	259	.282	.140	.061	- 1.125	210	346	-.013	.122	.402	-.475	210	397	-.161	.069	.050	- .480
2210	260	.169	.050	.045	-.362	210	347	-.002	.072	.334	-.336	210	398	-.144	.057	.069	- .450
2210	261	.107	.056	.093	-.373	210	348	-.042	.076	.470	-.353	210	399	-.196	.077	.032	- .519
2210	262	.103	.070	.190	-.335	210	349	-.130	.068	.264	-.405	210	400	-.148	.043	.025	- .308
2210	263	.109	.067	.158	-.380	210	350	-.372	.080	-.125	-.728	210	401	-.175	.060	-.007	- .459
2210	264	.097	.119	.383	.536	210	351	-.002	.089	.290	-.263	210	402	-.165	.041	-.043	- .345
2210	265	.400	.089	-.123	-.733	210	352	-.271	.067	.011	-.567	210	403	-.143	.052	.071	- .345
2210	301	.323	.092	-.008	-.676	210	353	-.031	.089	.387	-.235	210	404	-.165	.071	.113	- .795

APPENDIX A -- PRESSURE DATA:

HINES ONE BUILDING -- MINNEAPOLIS , MINNESOTA

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	
210	405	- .258	.122	.075	-.887	210	540	-.121	.085	.265	-.427	210	591	-.601	.089	-.321	-1.101	
210	406	- .359	.166	.297	-.891	210	541	-.056	.106	.639	-.228	210	593	-.594	.084	-.387	-1.005	
210	407	- .104	.062	.110	-.580	210	542	-.019	.086	.487	-.235	210	594	-.614	.087	-.396	-1.059	
210	408	- .198	.079	.064	-.650	210	543	-.180	.059	.071	-.402	210	595	-.611	.092	-.296	-1.192	
210	409	- .272	.086	-.048	-.745	210	544	-.452	.087	.218	-.770	210	596	-.630	.102	-.325	-1.153	
210	410	- .304	.091	.117	-.859	210	545	-.049	.101	.477	-.282	210	597	-.663	.112	-.371	-1.433	
210	411	- .136	.079	.105	-.550	210	546	.238	.138	.817	-.147	210	598	-.686	.113	-.379	-1.425	
210	412	- .272	.137	.037	-1.158	210	547	.265	.132	.817	-.094	210	599	-.668	.120	-.248	-1.197	
210	413	- .247	.077	.032	-.564	210	548	.279	.127	.756	-.129	210	600	-.670	.143	-.169	-1.229	
210	414	- .212	.119	.128	-.795	210	549	.211	.084	.650	-.023	210	601	-.698	.140	-.328	-1.393	
210	415	- .186	.060	.116	-.377	210	550	.435	.160	.151	-.941	210	602	-.692	.138	-.206	-1.298	
210	501	- .584	.099	- .291	-1.012	210	551	-.201	.078	.049	-.584	210	603	-.610	.155	-.064	-1.151	
210	502	- .583	.093	- .307	-1.994	210	552	-.224	.072	.021	-.540	210	604	-.585	.139	-.194	-1.089	
210	503	- .567	.068	-.306	-.953	210	553	-.238	.069	-.026	-.540	210	605	-.444	.136	-.018	-1.008	
210	504	- .582	.107	-.265	-1.106	210	554	.388	.066	-.186	-.661	210	606	-.402	.112	-.045	-.846	
210	505	- .581	.120	-.261	-1.270	210	555	-.287	.216	.379	-.991	210	608	-.504	.108	-.217	-.997	
210	506	- .560	.121	-.156	-.080	210	556	-.369	.069	-.155	-.688	210	609	-.284	.075	-.018	-.580	
210	507	- .563	.119	-.214	-1.132	210	557	-.314	.223	.524	-.0055	210	610	-.432	.157	-.029	-1.074	
210	508	- .022	.100	.387	-.404	210	558	-.020	.114	.447	-.657	210	611	-.000	.000	-.000	-.000	
210	509	- .084	.117	.467	-.373	210	559	-.036	.085	.353	-.334	210	612	-.195	.063	-.432	-.432	
210	510	- .084	.112	.524	-.338	210	560	-.139	.070	.164	-.402	210	613	-.134	.081	-.245	-.360	
210	511	- .073	.109	.426	-.292	210	561	.384	.058	.176	-.688	210	614	-.170	.093	-.242	-.461	
210	512	- .065	.106	.434	-.336	210	562	.410	.230	.470	-.1	210	701	-.186	.172	-.059	-.278	
210	513	- .068	.107	.404	-.272	210	563	-.063	.127	.388	-.758	210	702	-.085	.134	-.585	-.306	
210	514	- .022	.108	.389	-.303	210	564	-.100	.087	.286	-.366	210	703	-.014	.168	-.427	-.237	
210	515	- .108	.112	.527	-.252	210	565	-.186	.076	.136	-.493	210	704	-.269	.129	-.879	-.072	
210	516	- .204	.106	.526	-.155	210	566	-.418	.062	.219	-.780	210	705	-.166	.104	-.532	-.104	
210	517	- .065	.113	.540	-.298	210	567	.792	.229	.028	-.577	210	706	-.126	.103	-.608	-.115	
210	518	- .421	.164	.962	-.023	210	568	.358	.122	.014	-.125	210	707	-.173	.113	-.689	-.095	
210	519	- .499	.171	1.054	-.045	210	569	.308	.074	.047	-.573	210	708	-.186	.111	-.700	-.079	
210	520	- .431	.157	.925	-.033	210	570	.337	.069	.077	-.552	210	709	-.131	.094	-.489	-.118	
210	521	- .187	.143	.700	-.232	210	571	.498	.078	.261	-.847	210	710	-.140	.096	-.520	-.119	
210	522	- .036	.122	.442	-.300	210	572	.636	.137	.211	-.327	210	711	-.041	.079	-.355	-.215	
210	523	- .352	.160	.869	-.104	210	573	.486	.140	.150	-.263	210	712	-.091	.085	-.395	-.142	
210	524	- .405	.163	.911	-.038	210	574	.401	.076	.172	-.754	210	713	-.033	.081	-.378	-.183	
210	525	- .326	.147	.805	-.101	210	575	.412	.064	.155	-.664	210	714	-.005	.072	-.072	-.252	
210	526	- .076	.150	.747	-.345	210	576	.536	.082	.249	-.881	210	715	-.132	.102	-.542	-.120	
210	527	- .233	.141	.734	-.191	210	577	.268	.138	.831	-.104	210	716	-.039	.079	-.393	-.165	
210	528	- .295	.144	.728	-.108	210	578	-.427	.090	-.143	-.904	210	717	-.010	.067	-.392	-.222	
210	529	- .284	.144	.815	-.162	210	579	.392	.106	-.048	-.871	210	718	-.036	.071	-.250	-.254	
210	530	- .266	.140	.780	-.135	210	580	.368	.108	-.095	-.906	210	720	-.066	.052	-.138	-.230	
210	531	- .178	.123	.621	-.179	210	581	.376	.096	-.070	-.722	210	721	-.104	.059	-.084	-.473	
210	532	- .264	.138	.782	-.117	210	582	.604	.122	.319	-.1	305	210	722	-.132	.049	-.034	-.414
210	533	- .210	.143	.655	-.183	210	583	.579	.104	.259	-.1	165	210	723	-.132	.060	-.066	-.380
210	534	- .026	.147	.487	-.424	210	584	.620	.113	.276	-.1	153	210	724	-.064	.062	-.142	-.474
210	535	- .073	.112	.367	-.405	210	585	.598	.120	.190	-.1	164	210	725	-.240	.124	-.738	-.102
210	536	- .210	.132	.688	-.131	210	586	.607	.136	.167	-.1	228	210	726	-.088	.155	.491	-.984
210	537	- .208	.141	.768	-.113	210	587	.596	.107	.348	-.1	174	210	727	-.200	.101	-.181	-.657
210	538	- .017	.107	.482	-.233	210	588	.365	.078	.333	-.1	039	210	728	-.611	.150	-.185	-.281
210	539	- .329	.117	.099	-.713	210	590	.586	.080	.364	-.1	045	210	728	-.611	.150	-.185	-.281

APPENDIX A -- PRESSURE DATA:

HINES ONE BUILDING -- MINNEAPOLIS, MINNESOTA

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
2100	729	- .542	.117	- .195	-1 .034	210	825	- .468	.159	.098	-1 .111	2225	111	- .412	.098	- .123	- .866
2100	730	- .506	.124	.037	-1 .028	210	826	- .426	.121	.002	- .875	2225	113	- .404	.099	- .085	- .862
2100	731	- .526	.115	- .201	-1 .272	210	827	- .730	.162	- .249	-1 .725	2225	114	- .426	.110	- .076	- .964
2100	732	- .519	.134	.067	-1 .153	210	828	- .417	.126	.012	-1 .037	2225	115	- .443	.123	- .054	- .920
2100	733	- .449	.093	- .005	- .801	210	829	- .326	.122	.049	- .999	2225	116	- .275	.092	- .026	- .793
2100	734	- .417	.173	.647	- .985	210	830	- .280	.121	.085	- .871	2225	117	- .412	.070	- .212	- .854
2100	735	- .454	.105	.030	- .873	210	831	- .297	.129	.016	-1 .010	2225	118	- .366	.055	- .144	- .552
2100	736	- .475	.117	.147	- .962	210	832	- .676	.198	- .228	-1 .853	2225	119	- .367	.053	- .106	- .592
2100	737	- .424	.130	.043	- .910	210	833	- .261	.101	.041	- .730	2225	120	- .395	.063	- .141	- .657
2100	738	- .435	.119	.089	- .903	210	834	- .469	.177	.097	-1 .353	2225	121	- .426	.087	- .091	- .785
2100	739	- .402	.133	.066	- .902	210	835	- .287	.140	.320	- .818	2225	122	- .423	.070	- .182	- .752
2100	740	- .367	.054	- .218	- .533	210	836	- .295	.108	.092	- .681	2225	123	- .388	.063	- .182	- .625
2100	741	- .345	.102	.048	- .641	210	837	- .000	.000	.000	.000	2225	124	- .348	.052	- .165	- .570
2100	742	- .340	.161	.293	- .898	210	838	- .240	.095	.123	- .618	2225	125	- .389	.058	- .203	- .701
2100	743	- .353	.120	.180	- .754	210	839	- .000	.000	.000	.000	2225	126	- .443	.077	- .182	- .797
2100	744	- .335	.153	.372	- .868	210	840	- .000	.000	.000	.000	2225	127	- .410	.065	- .137	- .722
2100	745	- .336	.118	.027	- .767	210	841	- .173	.033	.318	- .669	2225	128	- .378	.057	- .191	- .673
2100	746	- .008	.062	.299	- .167	210	842	- .001	.089	.380	- .246	2225	129	- .382	.064	- .143	- .694
2100	747	- .311	.104	.011	- .694	210	843	- .202	.095	.117	- .559	2225	130	- .390	.066	- .186	- .699
2100	748	- .330	.085	- .028	- .735	210	844	- .000	.000	.000	.000	2225	131	- .345	.071	- .116	- .949
2100	749	- .336	.089	.048	- .751	210	845	- .278	.128	.041	- .840	2225	132	- .386	.060	- .209	- .692
2100	750	- .211	.076	.174	- .532	210	846	- .320	.125	.010	- .919	2225	133	- .400	.072	- .174	- .035
2100	751	- .280	.081	.057	- .820	210	847	- .348	.114	.061	-1 .004	2225	134	- .423	.081	- .156	- .032
2100	752	- .439	.138	.237	- .919	210	848	- .346	.109	.083	-1 .243	2225	135	- .437	.083	- .170	- .729
2100	753	- .304	.140	.156	- .797	210	849	- .240	.096	.063	- .689	2225	136	- .409	.063	- .202	- .610
2100	754	- .289	.092	- .005	- .834	210	850	- .299	.099	.022	- .925	2225	137	- .353	.064	- .067	- .589
2100	801	- .560	.100	.266	- .948	210	851	- .245	.116	.152	- .701	2225	138	- .340	.057	- .107	- .647
2100	802	- .604	.105	.256	- .970	210	852	- .248	.093	.033	- .659	2225	139	- .382	.072	- .104	- .821
2100	803	- .579	.135	.159	-1 .241	210	853	- .236	.105	.045	-1 .076	2225	140	- .428	.086	- .144	- .873
2100	804	- .460	.099	- .143	- .868	210	854	- .248	.103	.024	- .960	2225	141	- .427	.072	- .210	- .830
2100	805	- .295	.123	.055	- .926	210	855	- .321	.184	.186	-1 .075	2225	142	- .367	.054	- .109	- .633
2100	806	- .459	.086	- .151	- .781	210	856	- .230	.091	.110	- .675	2225	143	- .313	.047	- .147	- .504
2100	807	- .439	.098	.036	- .817	210	857	- .150	.083	.106	- .781	2225	144	- .310	.049	- .132	- .572
2100	808	- .429	.066	- .234	- .695	210	858	- .135	.099	.152	- .840	2225	145	- .494	.121	- .241	- .150
2100	809	- .485	.084	.261	-1 .011	210	859	- .128	.049	.053	- .300	2225	146	- .448	.093	- .196	- .922
2100	810	- .531	.097	- .206	-1 .016	210	860	- .149	.057	.063	- .372	2225	147	- .342	.059	- .116	- .615
2100	811	- .597	.120	- .233	-1 .099	210	861	- .108	.063	.122	- .306	2225	148	- .266	.045	- .094	- .410
2100	812	- .709	.157	- .254	-1 .442	210	862	- .110	.054	.109	- .305	2225	149	- .199	.041	- .010	- .417
2100	813	- .861	.219	- .330	-2 .147	210	863	- .138	.057	.055	- .454	2225	150	- .513	.205	- .087	- .727
2100	814	-1 .067	.212	- .396	-2 .103	210	864	- .137	.053	.039	- .325	2225	151	- .182	.049	- .022	- .368
2100	815	- .445	.072	- .249	- .796	225	101	- .493	.154	.138	-1 .111	2225	152	- .428	.244	- .325	- .850
2100	816	-1 .012	.247	- .388	-1 .907	225	102	- .483	.137	.054	-1 .057	2225	153	- .227	.070	- .123	- .524
2100	817	- .235	.076	.004	- .546	225	103	- .479	.180	.009	-1 .268	2225	154	- .184	.055	- .036	- .356
2100	818	- .456	.083	- .184	- .818	225	104	- .664	.164	.035	-1 .412	2225	155	- .169	.046	- .006	- .340
2100	819	- .513	.093	- .188	- .941	225	105	- .719	.176	.126	-1 .433	2225	156	- .168	.050	- .049	- .378
2100	820	- .590	.146	- .146	-1 .291	225	106	- .568	.168	.016	-1 .155	2225	157	- .478	.163	- .000	- .223
2100	821	- .743	.193	- .188	-1 .639	225	107	- .553	.203	.026	-1 .406	2225	158	- .481	.169	- .007	- .285
2100	822	- .151	.069	.087	- .408	225	108	- .421	.168	.073	- .852	2225	159	- .502	.183	- .005	- .311
2100	823	- .207	.060	.010	- .445	225	109	- .393	.099	.107	- .863	2225	160	- .507	.180	.069	- .283
2100	824	- .201	.111	.254	- .636	225	110	- .389	.089	.119	- .871	2225					

APPENDIX A -- PRESSURE DATA:

HIMES ONE BUILDING -- MINNEAPOLIS , MINNESOTA

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
161	- .534	.169	-.035	-1.358	225	211	- .581	.164	-.067	-1.267	225	263	- .145	.046	.020	-.334	
162	- .462	.162	-.009	-1.150	225	212	- .626	.165	-.034	-1.450	264	- .145	.053	.137	-.388		
163	- .494	.167	-.007	-1.156	225	213	- .721	.186	-.269	-1.758	265	- .145	.053	.111	-.307		
164	- .502	.137	-.110	-1.197	225	214	- .713	.175	-.293	-2.324	301	- .086	.131	.424	-.594		
165	- .451	.104	-.079	-1.048	225	215	- .360	.110	-.053	-1.922	302	- .336	.094	.084	-.769		
166	- .456	.122	-.014	-1.169	225	216	- .395	.150	-.016	-1.980	303	- .256	.118	.301	-.958		
167	- .473	.140	-.019	-1.210	225	217	- .636	.216	-.097	-1.683	304	- .246	.126	.137	-.795		
168	- .547	.193	-.007	-1.338	225	218	- .694	.197	-.200	-1.629	360	- .111	.031	.307	-.307		
169	- .521	.119	-.196	-1.988	225	219	- .219	.050	-.049	-1.467	305	- .163	.153	.424	-.899		
170	- .495	.106	-.166	-1.202	225	220	- .235	.056	-.093	-1.557	306	- .341	.153	.164	-.522		
171	- .517	.120	-.153	-1.113	225	221	- .287	.086	-.085	-1.759	307	- .002	.138	.599	-.398		
172	- .564	.149	-.024	-1.483	225	222	- .342	.111	-.107	-1.917	308	- .061	.139	.603	-.398		
173	- .609	.174	.049	-1.390	225	223	- .184	.039	-.067	-1.339	309	- .088	.139	.697	-.287		
174	- .406	.088	-.156	-1.854	225	224	- .187	.040	-.052	-1.363	10	- .055	.148	.647	-.299		
175	- .444	.094	-.134	-1.909	225	225	- .174	.039	-.065	-1.340	123	- .104	.154	.636	-.348		
176	- .505	.122	-.098	-1.064	225	226	- .171	.034	-.069	-1.304	123	- .137	.169	.793	-.448		
177	- .538	.132	-.142	-1.113	225	228	- .171	.033	-.041	-1.296	14	- .142	.144	.697	-.274		
178	- .602	.152	-.130	-1.299	225	229	- .168	.035	-.036	-1.313	15	- .038	.121	.534	-.412		
179	- .293	.053	-.120	-1.718	225	230	- .019	.080	-.587	-2.04	16	- .226	.159	.768	-.279		
180	- .309	.063	-.100	-1.654	225	231	0.000	.000	-.000	0.000	17	- .018	.056	.343	-.138		
181	- .319	.077	-.109	-1.722	225	232	- .186	.094	.729	-.071	18	- .047	.081	.419	-.161		
182	- .349	.091	-.114	-1.797	225	233	- .012	.077	.364	-.255	19	- .174	.114	.742	-.099		
183	- .407	.105	-.139	-1.864	225	234	- .132	.095	.708	-.119	20	- .250	.143	.168	-.093		
184	- .255	.049	-.103	-1.487	225	235	- .197	.101	.654	-.066	21	- .220	.136	.704	-.129		
185	- .255	.046	-.108	-1.420	225	236	- .180	.078	.130	-.507	22	- .098	.051	.059	-.308		
186	- .256	.043	-.082	-1.495	225	237	0.000	.000	0.000	0.000	23	- .022	.051	.180	-.182		
187	- .271	.045	-.105	-1.496	225	238	- .045	.110	.454	-.548	24	- .070	.072	.318	-.111		
188	- .273	.053	-.109	-1.517	225	239	- .118	.096	.241	-.495	25	- .160	.094	.642	-.122		
189	- .188	.056	-.012	-1.405	225	240	- .154	.116	.370	-.569	26	- .178	.102	.638	-.113		
190	- .190	.047	-.020	-1.381	225	241	0.000	.000	0.000	0.000	27	- .078	.038	.098	-.206		
191	- .173	.058	-.045	-1.423	225	242	- .175	.047	.101	-.532	28	- .103	.088	.602	-.198		
192	- .175	.060	-.047	-1.435	225	243	- .170	.074	.127	-.529	29	- .048	.041	.150	-.170		
193	- .174	.044	-.038	-1.411	225	244	- .160	.054	.128	-.345	30	- .040	.051	.264	-.097		
194	- .181	.044	-.016	-1.429	225	245	- .020	.075	.255	-.291	31	- .114	.067	.402	-.116		
195	- .144	.041	-.016	-1.372	225	246	- .312	.117	-.066	-1.174	32	- .142	.077	.550	-.178		
196	- .542	.183	.032	-1.234	225	247	- .320	.111	-.002	-1.840	33	- .111	.072	.523	-.150		
197	- .595	.206	.087	-1.569	225	248	- .229	.088	-.041	-1.832	34	- .053	.157	.449	-.735		
198	- .662	.213	.043	-1.676	225	249	- .218	.052	-.050	-1.680	35	- .042	.095	.344	-.346		
199	- .709	.221	-.146	-1.817	225	250	- .192	.044	-.060	-1.543	36	- .075	.091	.223	-.384		
200	- .753	.303	-.246	-2.265	225	251	- .192	.044	-.057	-1.461	37	- .108	.077	.170	-.382		
201	- .518	.205	-.012	-1.614	225	252	- .161	.035	-.027	-1.292	38	- .275	.072	.037	-.574		
202	- .691	.276	-.217	-2.360	225	253	- .187	.042	-.066	-1.621	39	- .026	.189	.659	-.710		
203	- .595	.246	-.118	-1.864	225	254	- .221	.081	-.069	-1.633	40	- .304	.078	.060	-.580		
204	- .601	.212	-.008	-1.529	225	255	- .154	.076	.295	-.395	41	- .098	.144	.593	-.464		
205	- .613	.220	-.107	-1.798	225	256	0.000	.000	0.000	0.000	42	- .103	.097	.477	-.168		
206	- .582	.198	-.168	-1.629	225	257	- .176	.072	.102	-.400	43	- .031	.087	.434	-.183		
207	- .641	.205	-.053	-1.492	225	258	- .186	.046	.076	-.431	44	- .051	.088	.379	-.310		
208	- .650	.176	-.071	-1.440	225	259	- .214	.057	.048	-.447	45	- .315	.087	.054	-.672		
209	- .656	.182	-.245	-1.780	225	260	- .293	.107	.062	-.809	46	- .117	.120	.769	-.270		
210	- .635	.170	-.257	-1.929	225	261	- .178	.039	0.09	-.316	47	- .095	.089	.543	-.137		

APPENDIX A -- PRESSURE DATA:

HINES ONE BUILDING -- MINNEAPOLIS , MINNESOTA

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
348	.053	.088	.467	-.191	225	399	-.199	.072	.025	-.542	225	534	-.038	.154	.449	-.473	
349	-.034	.079	-.278	-.274	225	400	-.138	.042	.025	-.297	225	536	-.145	.118	.546	-.461	
350	-.342	.096	-.025	-.696	225	401	-.173	.054	-.009	-.469	225	537	-.087	.112	.649	-.185	
351	-.066	.084	.463	-.185	225	402	-.144	.040	-.009	-.324	225	538	-.036	.103	.540	-.153	
352	-.236	.077	.145	-.529	225	403	-.135	.048	.070	-.321	225	539	-.256	.121	.239	-.285	
353	-.095	.076	.390	-.131	225	404	-.143	.063	-.059	-.481	225	540	-.027	.075	.423	-.683	
354	-.090	.067	.383	-.075	225	405	-.230	.083	-.007	-.773	225	541	-.027	.084	.404	-.288	
355	-.262	.076	-.029	-.574	225	406	-.279	.134	.143	-.852	225	542	-.074	.066	.222	-.249	
356	-.019	.069	.331	-.237	225	407	-.097	.055	.084	-.366	225	543	-.177	.049	-.019	-.364	
357	-.245	.077	.002	-.556	225	408	-.194	.073	-.005	-.613	225	544	-.373	.069	.124	-.606	
358	-.592	.156	-.239	-.256	225	409	-.241	.062	-.081	-.534	225	545	-.002	.077	.345	-.229	
359	-.497	.115	-.221	-.11	225	410	-.261	.068	-.014	-.682	225	546	-.119	.100	.650	-.186	
360	-.450	.094	-.190	-.862	225	411	-.152	.077	-.016	-.505	225	547	-.148	.099	.669	-.133	
361	-.431	.081	-.168	-.799	225	412	-.220	.096	-.009	-.644	225	548	-.160	.090	.585	-.080	
362	-.410	.073	-.141	-.742	225	413	-.213	.060	-.007	-.421	225	549	-.148	.068	.429	-.067	
363	-.518	.124	.195	-.166	225	414	-.180	.089	-.039	-.643	225	550	-.618	.229	.084	-.574	
364	-.400	.080	-.154	-.756	225	415	-.165	.046	-.002	-.307	225	551	-.293	.102	-.017	-.045	
365	-.540	.141	-.191	-.166	225	501	-.689	.188	-.246	-.493	225	552	-.277	.090	-.013	-.903	
366	-.562	.134	-.239	-.151	225	502	-.711	.153	-.289	-.207	225	553	-.273	.085	-.011	-.637	
367	-.386	.122	-.053	-.017	225	503	-.702	.150	-.258	-.407	225	554	-.381	.081	-.129	-.682	
368	-.363	.127	-.045	-.097	225	504	-.594	.178	-.067	-.215	225	555	-.516	.274	.275	-.405	
369	-.621	.199	-.170	-.168	225	505	-.569	.198	-.021	-.236	225	556	-.325	.065	-.137	-.602	
370	-.520	.152	-.100	-.680	225	506	-.567	.162	-.044	-.180	225	557	-.421	.276	.385	-.556	
371	-.247	.114	-.076	-.796	225	507	-.578	.194	-.059	-.350	225	558	-.112	.159	.285	-.101	
372	-.169	.103	.138	-.699	225	508	-.034	.199	.668	-.735	225	559	-.109	.094	.193	-.495	
373	-.590	.200	-.200	-.237	225	509	-.099	.187	.664	-.471	225	560	-.168	.076	.078	-.413	
374	-.226	.163	-.049	-.615	225	510	-.067	.167	.521	-.435	225	561	-.323	.066	.124	-.662	
375	-.509	.153	-.149	-.382	225	511	-.053	.158	.573	-.472	225	562	-.408	.260	.407	-.241	
376	-.373	.114	-.079	-.830	225	512	-.036	.150	.518	-.541	225	563	-.130	.150	.292	-.920	
377	-.223	.063	-.018	-.636	225	513	-.021	.164	.572	-.620	225	564	-.130	.091	.198	-.701	
378	-.208	.052	-.028	-.562	225	514	-.078	.140	.433	-.618	225	565	-.185	.079	.135	-.433	
379	-.115	.064	.098	-.379	225	515	-.101	.234	.857	-.700	225	566	-.353	.063	.160	-.650	
380	-.179	.061	.050	-.435	225	516	-.103	.125	.516	-.282	225	567	-.589	.207	.129	-.511	
381	-.340	.119	.075	-.827	225	517	-.012	.168	.610	-.578	225	568	-.293	.108	.053	-.956	
382	-.117	.055	.086	-.339	225	518	-.284	.179	.954	-.236	225	569	-.257	.071	-.021	-.500	
383	-.179	.074	.084	-.524	225	519	-.346	.165	.908	-.091	225	570	-.283	.065	-.070	-.517	
384	-.299	.134	.252	-.787	225	520	-.290	.151	.771	-.122	225	571	-.395	.069	-.188	-.870	
385	-.100	.050	.097	-.338	225	521	-.048	.165	.679	-.482	225	572	-.515	.113	.240	-.049	
386	-.126	.094	.194	-.565	225	522	-.084	.148	.528	-.557	225	573	-.380	.096	.076	-.001	
387	-.238	.114	.209	-.590	225	523	-.211	.143	.939	-.102	225	574	-.347	.060	.131	.648	
388	-.086	.038	.140	-.365	225	524	-.254	.120	.729	-.048	225	575	-.352	.057	.138	.557	
389	-.088	.105	.258	-.616	225	525	-.216	.129	.694	-.149	225	576	-.433	.070	.221	.720	
390	-.204	.122	.172	-.621	225	526	-.013	.155	.528	-.439	225	577	-.148	.093	.627	-.077	
391	-.159	.085	.125	-.762	225	527	-.144	.133	.624	-.205	225	578	-.364	.080	.055	-.807	
392	-.241	.063	.081	-.480	225	528	-.194	.124	.617	-.177	225	579	-.330	.092	.007	-.825	
393	-.079	.083	.267	-.537	225	529	-.179	.126	.784	-.166	225	580	-.313	.093	-.014	-.843	
394	-.186	.106	.156	-.583	225	530	-.160	.125	.705	-.192	225	581	-.323	.084	-.048	-.699	
395	-.165	.089	.052	-.735	225	531	-.110	.116	.692	-.248	225	582	-.495	.110	-.209	-.900	
396	-.158	.058	.018	-.509	225	532	-.158	.111	.689	-.152	225	583	-.479	.119	-.138	-.986	
397	-.125	.049	.034	-.362	225	533	-.106	.129	.587	-.254	225						

APPENDIX A -- PRESSURE DATA:

HINES ONE BUILDING -- MINNEAPOLIS , MINNESOTA

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
584	- .514	.132	- .145	-1 .058		225	724	- .094	.050	.150	- .273	225	819	- .475	.087	- .196	- .821
585	- .499	.136	- .103	-1 .149		225	725	- .152	.094	.493	- .110	225	820	- .519	.124	- .145	- 1 .046
586	- .508	.142	- .089	-1 .119		225	726	- .081	.128	.339	- .670	225	821	- .647	.184	- .113	- 1 .428
587	- .453	.090	- .227	- .917		225	727	- .211	.079	.099	- .593	225	822	- .140	.073	- .074	- .406
588	- .432	.080	- .208	- .973		225	728	- .565	.150	.176	- 1 .397	225	823	- .205	.062	- .004	- .491
590	- .448	.082	- .248	-1 .105		225	729	- .492	.111	.203	- 1 .075	225	824	- .178	.078	- .214	- .485
591	- .466	.095	- .245	-1 .045		225	730	- .413	.106	.057	- .838	225	825	- .367	.140	- .305	- .912
593	- .466	.068	- .254	- .978		225	731	- .447	.105	.000	- 1 .073	225	826	- .355	.101	- .251	- .745
594	- .479	.069	- .275	- .916		225	732	- .438	.126	.073	- 1 .121	225	827	- .655	.143	- .278	- .923
595	- .476	.079	- .170	- .866		225	733	- .383	.086	.068	- .771	225	828	- .437	.107	- .006	- .864
596	- .496	.097	- .207	- .990		225	734	- .317	.169	.426	- .926	225	829	- .365	.108	- .038	- .792
597	- .520	.091	- .311	- 1 .017		225	735	- .378	.098	.136	- .809	225	830	- .335	.109	- .048	- 1 .038
598	- .534	.094	- .309	- .998		225	736	- .386	.106	.043	- .792	225	831	- .352	.125	- .210	- 1 .465
599	- .511	.100	- .222	- .965		225	737	- .333	.112	.007	- .732	225	833	- .304	.085	- .004	- .776
600	- .510	.119	- .159	- 1 .247		225	738	- .354	.106	.077	- .714	225	834	- .423	.157	- .158	- 1 .052
601	- .547	.112	- .206	- 1 .110		225	739	- .308	.110	.009	- .721	225	835	- .302	.127	- .091	- .905
602	- .535	.107	- .141	- 1 .071		225	740	- .280	.034	.168	- .404	225	836	- .319	.098	- .011	- .788
603	- .471	.116	- .048	- .912		225	741	- .280	.077	.014	- .525	225	837	- .000	.000	- .000	- .000
604	- .447	.108	- .005	- .856		225	742	- .266	.120	.147	- .632	225	838	- .289	.071	- .042	- .503
605	- .351	.102	- .009	- .930		225	743	- .279	.095	.165	- .560	225	839	- .000	.000	- .000	- .000
606	- .330	.087	- .014	- .757		225	744	- .256	.131	.343	- .724	225	840	- .000	.000	- .000	- .000
608	- .402	.084	- .168	- .738		225	745	- .272	.084	.016	- .584	225	841	- .204	.026	- .309	- .132
609	- .250	.059	- .041	- .514		225	746	- .050	.067	.313	- .152	225	842	- .071	.072	- .253	- .283
610	- .338	.109	- .055	- 1 .134		225	747	- .249	.069	.025	- .529	225	843	- .262	.072	- .015	- .539
611	- .000	.000	- .000	- .000		225	748	- .278	.074	.066	- .842	225	844	- .000	.000	- .000	- .000
612	- .185	.052	.020	- .379		225	749	- .260	.064	.047	- .588	225	845	- .292	.115	- .059	- .837
613	- .147	.060	.091	- .388		225	750	- .187	.061	.145	- .539	225	846	- .316	.119	- .099	- .769
614	- .171	.068	.186	- .466		225	751	- .239	.066	.061	- .651	225	847	- .336	.119	- .072	- .922
701	- .111	.153	.849	- .256		225	752	- .344	.111	.009	- .765	225	848	- .351	.133	- .110	- 1 .400
702	- .050	.092	.599	- .250		225	753	- .244	.111	.097	- .633	225	849	- .279	.076	- .044	- .594
703	- .005	.072	.275	- .251		225	754	- .242	.064	.018	- .507	225	850	- .322	.100	- .053	- .821
704	- .172	.090	.601	- .130		225	801	- .468	.109	.080	- .920	225	851	- .295	.089	- .004	- .672
705	- .095	.075	.420	- .178		225	802	- .485	.112	.038	- .986	225	852	- .285	.075	- .008	- .662
706	- .081	.071	.331	- .171		225	803	- .465	.148	.032	- 1 .06	225	853	- .257	.088	- .048	- .851
707	- .133	.078	.423	- .071		225	804	- .312	.111	.028	- .745	225	854	- .277	.084	- .006	- .760
708	- .127	.077	.403	- .089		225	805	- .202	.111	.152	- .667	225	855	- .390	.137	- .109	- 1 .101
709	- .063	.069	.396	- .150		225	806	- .367	.090	.045	- .817	225	856	- .262	.067	- .034	- .530
710	- .069	.070	.389	- .145		225	807	- .353	.111	.048	- .765	225	857	- .169	.058	- .029	- .653
711	- .014	.066	.296	- .200		225	808	- .398	.063	.183	- .632	225	858	- .149	.072	- .093	- .579
712	- .026	.066	.334	- .156		225	809	- .440	.076	.194	- .968	225	859	- .161	.045	- .015	- .311
713	- .025	.060	.231	- .183		225	810	- .469	.085	.222	- .948	225	860	- .164	.050	- .006	- .466
714	- .057	.054	.167	- .218		225	811	- .513	.104	.246	- 1 .080	225	861	- .146	.052	- .071	- .301
715	- .050	.067	.350	- .134		225	812	- .577	.129	.238	- 1 .255	225	862	- .140	.045	- .025	- .289
716	- .021	.057	.213	- .176		225	813	- .692	.181	.268	- 1 .545	225	863	- .153	.053	- .025	- .469
717	- .040	.049	.160	- .219		225	814	- .881	.200	.317	- 1 .540	225	864	- .150	.050	- .046	- .429
718	- .082	.056	.200	- .250		225	815	- .410	.074	.230	- .836	240	101	- .239	.158	- .281	- .886
720	- .100	.041	.077	- .237		225	816	- .850	.223	.305	- 2 .059	240	102	- .285	.098	- .000	- .796
721	- .119	.047	.047	- .298		225	817	- .197	.070	.027	- .466	240	103	- .256	.166	- .281	- .991
722	- .152	.040	.026	- .333		225	818	- .422	.073	.203	- .695	240	104	- .462	.236	- .119	- 1 .269
723	- .159	.053	.008	- .415		225	819	- .422	.073	.203	- .695	240	104	- .462	.236	- .119	- 1 .269

APPENDIX A -- PRESSURE DATA:

HINES ONE BUILDING -- MINNEAPOLIS, MINNESOTA

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
240	105	.565	.252	.155	-1.363	240	155	.127	.041	.012	-.281	240	205	.782	.263	.032	-1.729
240	106	.400	.217	.248	-1.255	240	156	.121	.043	.024	-.341	240	206	.759	.221	.065	-1.620
240	107	.371	.198	.115	-1.174	240	157	.323	.113	.038	-.908	240	207	.473	.217	.333	-1.385
240	108	.267	.081	.055	-.610	240	158	.346	.134	.010	-1.428	240	208	.547	.246	.101	-1.564
240	109	.263	.081	.048	-.750	240	159	.380	.152	.071	-1.348	240	209	.735	.259	.079	-1.663
240	110	.258	.075	.068	-.625	240	160	.427	.178	.046	-1.409	240	210	.729	.239	.147	-1.696
240	111	.269	.079	.005	-.658	240	161	.550	.209	.104	-1.475	240	211	.337	.137	.133	-1.042
240	112	.261	.083	.052	-.741	240	162	.307	.093	.062	-.809	240	212	.382	.179	.101	-1.301
240	113	.311	.100	.019	-.825	240	163	.522	.200	.088	-1.610	240	213	.562	.234	.010	-1.965
240	114	.330	.107	.068	-.890	240	164	.305	.076	.053	-.731	240	214	.565	.193	.079	-1.503
240	115	.270	.068	.036	-.533	240	165	.311	.082	.071	-.675	240	215	.219	.071	.036	-1.650
240	116	.183	.075	.007	-.506	240	166	.350	.108	.043	-.946	240	216	.224	.101	.117	-1.745
240	117	.274	.047	.116	-.477	240	167	.391	.130	.014	-1.052	240	217	.362	.203	.099	-2.066
240	118	.257	.040	.127	-.415	240	168	.489	.185	.015	-1.317	240	218	.416	.179	.002	-1.755
240	119	.264	.043	.142	-.446	240	169	.288	.061	.087	-.599	240	219	.153	.045	.044	-1.370
240	120	.270	.054	.121	-.560	240	170	.306	.076	.089	-.756	240	220	.143	.060	.240	-1.377
240	121	.296	.066	.085	-.646	240	171	.334	.094	.045	-.988	240	221	.159	.065	.214	-1.486
240	122	.264	.050	.118	-.481	240	172	.380	.123	.087	-1.162	240	222	.185	.069	.046	-1.578
240	123	.249	.040	.115	-.420	240	173	.443	.160	.035	-1.312	240	223	.136	.037	.036	-1.305
240	124	.249	.035	.138	-.376	240	174	.248	.048	.106	-.523	240	224	.140	.036	.004	-1.326
240	125	.277	.042	.133	-.503	240	175	.248	.057	.098	-.533	240	225	.119	.039	.079	-1.289
240	126	.283	.051	.116	-.625	240	176	.279	.069	.104	-.632	240	226	.113	.040	.131	-1.226
240	127	.278	.047	.077	-.532	240	177	.306	.084	.083	-.753	240	228	.114	.036	.069	-1.228
240	128	.262	.041	.133	-.457	240	178	.371	.110	.058	-.986	240	229	.119	.035	.032	-1.230
240	129	.266	.049	.121	-.699	240	179	.193	.036	.019	-1.424	240	230	.019	.072	.308	-1.177
240	130	.263	.052	.127	-.713	240	180	.199	.039	.070	-.385	240	231	.000	.000	.000	0.000
240	131	.218	.053	.074	-.718	240	181	.204	.044	.071	-.413	240	232	.202	.055	.122	734 -1.107
240	132	.260	.048	.117	-.614	240	182	.231	.056	.060	-.504	240	233	.055	.089	.509	-1.171
240	133	.276	.049	.140	-.593	240	183	.292	.084	.110	-.702	240	234	.136	.108	.563	-1.168
240	134	.278	.053	.109	-.717	240	184	.222	.051	.035	-.447	240	235	.188	.118	.694	-1.105
240	135	.279	.073	.010	-.619	240	185	.212	.046	.049	-.382	240	236	.166	.054	.039	-1.421
240	136	.237	.047	.076	-.414	240	186	.212	.045	.051	-.369	240	237	.000	.000	.000	0.000
240	137	.231	.037	.085	-.443	240	187	.231	.048	.002	-.433	240	238	.113	.108	.262	-1.522
240	138	.235	.039	.104	-.436	240	188	.268	.078	.073	-.803	240	239	.134	.071	.128	-1.543
240	139	.252	.048	.106	-.643	240	189	.130	.042	.048	-.280	240	240	.150	.096	.261	-1.517
240	140	.259	.073	.026	-.562	240	190	.153	.042	.002	-.395	240	241	.000	.000	.000	0.000
240	141	.247	.054	.039	-.436	240	191	.122	.041	.018	-.277	240	242	.148	.034	.014	-1.368
240	142	.267	.041	.002	-.373	240	192	.116	.036	.055	-.269	240	243	.159	.062	.103	-1.427
240	143	.200	.038	.084	-.461	240	193	.125	.034	.050	-.232	240	244	.133	.045	.101	-1.313
240	144	.204	.040	.083	-.362	240	194	.124	.033	.101	-.222	240	245	.006	.069	.375	-1.214
240	145	.252	.076	.063	-.615	240	195	.116	.036	.002	-.273	240	246	.179	.050	.000	-1.561
240	146	.240	.064	.073	-.486	240	196	.444	.171	.097	-.162	240	247	.184	.057	.032	-1.486
240	147	.185	.047	.022	-.418	240	197	.435	.230	.139	-.435	240	248	.167	.047	.025	-1.441
240	148	.154	.036	.014	-.264	240	198	.553	.286	.168	-.727	240	249	.166	.047	.032	-1.569
240	149	.126	.035	.005	-.293	240	199	.706	.327	.200	-.906	240	250	.153	.034	.032	-1.391
240	150	.269	.114	.014	-.809	240	200	.924	.410	.219	-.537	240	251	.155	.035	.050	-1.411
240	151	.124	.041	.004	-.309	240	201	.443	.187	.067	-.320	240	252	.129	.028	.023	-1.235
240	152	.304	.156	.032	-1.365	240	202	.845	.332	.095	-.486	240	253	.144	.030	.039	-1.337
240	153	.203	.069	.016	-.612	240	203	.528	.256	.083	-.668	240	254	.179	.046	.041	-1.457
240	154	.150	.050	.016	-.424	240	204	.620	.297	.230	-.774	240	255	.162	.054	.091	-1.367

APPENDIX A -- PRESSURE DATA:

HINES ONE BUILDING -- MINNEAPOLIS, MINNESOTA

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
240	256	.000	.000	.000	.000	240	342	-.003	.076	.341	-.326	240	393	-.179	.049	.018	.414
240	257	-.166	.051	-.045	-.444	240	343	-.045	.067	.237	-.263	240	394	-.080	.052	.238	.321
240	258	-.161	.036	-.046	-.427	240	344	-.101	.076	.243	-.404	240	395	-.088	.064	.195	.455
240	259	-.180	.049	-.027	-.393	240	345	-.296	.075	-.047	-.577	240	396	-.139	.052	.023	.435
240	260	-.254	.096	-.062	-.720	240	346	.060	.107	.508	-.549	240	397	-.121	.040	.007	.320
240	261	-.147	.031	-.043	-.271	240	347	.050	.082	.394	-.243	240	398	-.102	.037	.016	.233
240	263	-.137	.034	-.002	-.292	240	349	-.013	.082	.505	-.241	240	399	-.144	.053	.005	.224
240	264	-.135	.031	-.023	-.252	240	350	-.064	.078	.343	-.411	240	400	-.105	.033	.035	.354
240	265	-.141	.041	.009	-.316	240	351	-.309	.086	.034	-.719	240	401	-.135	.047	.005	.238
240	301	-.082	.147	.508	-.558	240	352	-.075	.071	.446	-.156	240	402	-.127	.031	.044	.216
240	302	-.264	.093	.087	-.691	240	353	-.189	.064	.062	-.460	240	403	-.087	.036	.051	.211
240	303	-.148	.132	.397	-.657	240	354	-.070	.059	.382	-.133	240	404	-.121	.043	.032	.494
240	304	-.200	.110	.165	-.636	240	355	-.072	.056	.337	-.088	240	405	-.195	.055	.025	.494
240	305	-.294	.111	.087	-1.132	240	355	-.178	.053	.002	-.508	240	406	-.148	.092	.152	.670
240	306	-.175	.167	.440	-.796	240	356	-.008	.075	.355	-.189	240	407	-.082	.042	.057	.227
240	307	-.282	.170	.334	-.921	240	357	-.210	.065	.111	-.479	240	408	-.124	.045	.023	.495
240	308	.025	.199	.831	-.665	240	358	-.505	.140	.183	-.207	240	409	-.182	.044	-.018	.451
240	309	.094	.208	1.060	-.441	240	359	.415	.101	.153	-.126	240	410	-.190	.057	.085	.439
240	310	.112	.198	.897	-.337	240	360	.384	.101	.128	-.921	240	411	-.080	.046	.053	.443
240	311	.125	.186	.850	-.320	240	361	.351	.084	.127	-.723	240	412	-.134	.050	.005	.430
240	312	.109	.181	.990	-.361	240	362	.314	.069	.131	-.657	240	413	-.162	.048	.009	.368
240	313	.099	.178	.903	-.337	240	363	.480	.124	.155	-.993	240	414	-.096	.047	.048	.395
240	314	.021	.130	.575	-.430	240	364	.295	.061	.124	-.609	240	415	-.127	.040	.025	.259
240	315	-.045	.166	.738	-.485	240	365	.485	.137	.174	-.227	240	501	-.546	.188	.000	.1374
240	316	.054	.123	.572	-.316	240	366	.444	.112	.185	-.131	240	502	-.579	.159	-.058	.1225
240	317	-.002	.058	.217	-.172	240	367	.273	.083	.034	-.727	240	503	-.654	.216	.375	.1455
240	318	-.036	.089	.386	-.283	240	368	.276	.079	.072	-.750	240	504	-.400	.180	.104	.224
240	319	-.070	.100	.717	-.210	240	369	.536	.151	.217	-.152	240	505	-.365	.202	.309	.212
240	320	.111	.104	.650	-.159	240	370	.401	.109	.146	-.151	240	506	-.436	.220	.156	.331
240	321	.064	.106	.630	-.387	240	371	.202	.071	.000	-.660	240	507	-.418	.210	.099	.275
240	322	-.134	.052	.107	-.360	240	372	.150	.063	.023	-.492	240	508	-.101	.180	.428	.643
240	323	-.074	.056	.157	-.283	240	373	.598	.164	.187	-.159	240	509	-.014	.180	.797	.667
240	324	-.006	.068	.297	-.217	240	374	.193	.040	.060	-.351	240	510	-.012	.165	.813	.638
240	325	-.066	.076	.507	-.288	240	375	.534	.171	.146	-.301	240	511	-.011	.156	.581	.523
240	326	-.070	.083	.462	-.290	240	376	.315	.084	.053	-.663	240	512	-.008	.146	.583	.473
240	327	-.087	.034	.058	-.208	240	378	.202	.045	.024	-.378	240	513	-.013	.156	.501	.607
240	328	-.052	.062	.324	-.214	240	379	.191	.042	.026	-.353	240	514	-.145	.124	.337	.668
240	329	-.056	.039	.092	-.189	240	380	.113	.041	.028	-.271	240	515	-.001	.179	.609	.583
240	330	-.011	.051	.287	-.135	240	381	.182	.049	.051	-.391	240	516	-.007	.104	.383	.424
240	331	-.035	.061	.368	-.173	240	382	.220	.098	.102	-.665	240	517	-.062	.171	.718	.433
240	332	-.068	.061	.483	-.149	240	383	.128	.042	.076	-.264	240	518	-.417	.197	1.054	.160
240	333	-.072	.064	.494	-.346	240	384	.196	.062	.067	-.444	240	519	-.458	.187	1.011	.184
240	334	-.226	.201	.275	-1.122	240	385	.150	.132	.469	-.628	240	520	-.330	.160	.877	.219
240	335	-.114	.081	.183	-.454	240	386	.088	.040	.069	-.282	240	521	-.064	.124	.394	.509
240	336	-.116	.078	.258	-.402	240	387	.100	.061	.186	-.331	240	522	-.039	.177	.685	.561
240	337	-.137	.070	.200	-.377	240	388	.102	.075	.176	-.377	240	523	-.255	.196	.979	.261
240	338	-.250	.065	.064	-.554	240	389	.111	.046	.113	-.283	240	524	.312	.170	.998	.172
240	339	-.146	.207	.445	-.992	240	390	.114	.076	.196	-.342	240	525	.250	.152	.940	.166
240	340	-.297	.075	-.011	-.632	240	391	.069	.083	.271	-.413	240	526	-.063	.112	.523	.392
240	341	-.081	.176	.437	-.759	240	392	.097	.044	.051	-.451	240	527	1.45	.132	.739	.219

APPENDIX A -- PRESSURE DATA:

HINES ONE BUILDING -- MINNEAPOLIS , MINNESOTA

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
240	5289	.225	.147	.781	-.168	240	578	-.246	.092	.164	-.611	240	718	.022	.044	.168	-.226
240	5290	.222	.146	.707	-.194	240	579	-.195	.081	.032	-.641	240	719	.055	.048	.149	-.188
240	187	.134	.680	-.103	.219	240	580	-.221	.063	-.021	-.544	240	720	-.071	.037	.037	-.294
240	111	.109	.572	-.147	.240	240	581	-.319	.055	-.025	-.744	240	721	-.091	.037	.065	-.335
240	194	.133	.647	-.228	.240	240	582	-.298	.109	-.045	-.820	240	722	-.128	.033	.042	-.105
240	129	.135	.650	-.503	.628	240	583	-.321	.114	-.018	-.915	240	723	-.138	.042	.010	-.307
240	-	.080	.126	-.555	.240	240	584	-.305	.118	-.010	-.980	240	724	-.084	.041	.075	-.105
240	-	.175	.110	-.555	.251	240	585	-.315	.112	-.050	-.980	240	725	-.181	.100	.691	-.196
240	-	.055	.122	-.538	.277	240	586	-.290	.124	-.090	-.471	240	726	-.180	.137	.350	-.026
240	-	.011	.103	-.465	.297	240	587	-.261	.047	-.112	-.507	240	727	-.150	.175	.026	-.111
240	-	.215	.109	-.326	.566	240	588	-.269	.048	-.124	-.520	240	728	-.150	.135	.037	-.177
240	-	.169	.067	.151	.421	240	589	-.283	.055	-.124	-.741	240	729	-.450	.107	.018	-.177
240	-	.075	.322	-.268	.314	240	590	-.270	.052	-.142	-.741	240	730	-.183	.160	.160	-.075
240	-	.086	.074	-.299	.299	240	591	-.283	.054	-.142	-.741	240	731	-.287	.106	.113	-.819
240	-	.165	.054	.096	.416	240	592	-.302	.066	-.115	-.790	240	732	-.270	.083	.009	.616
240	-	.330	.070	-	.111	240	593	-.314	.089	-.121	-.872	240	733	-.108	.177	.587	.725
240	-	.043	.076	.343	.196	240	594	-.314	.078	-.121	-.926	240	734	-.238	.112	.253	.684
240	-	.126	.102	.540	.160	240	595	-.324	.081	-.109	-.908	240	735	-.238	.123	.363	.805
240	-	.172	.110	.741	.124	240	596	-.325	.093	-.025	-.810	240	736	-.220	.087	.028	.706
240	-	.193	.104	.647	.077	240	597	-.341	.118	-.079	-.004	240	737	-.205	.100	.081	.709
240	-	.187	.084	.550	.062	240	598	-.353	.098	-.139	-.816	240	738	-.201	.079	.069	.724
240	-	.713	.223	.000	-.1	240	599	-.342	.094	-.071	-.816	240	739	-.159	.027	.076	.445
240	-	.325	.101	-.024	-.1	240	600	-.307	.100	-.025	-.816	240	740	-.158	.027	.024	.515
240	-	.269	.082	-.017	-.1	240	601	-.342	.094	-.071	-.816	240	741	-.163	.065	.065	.455
240	-	.234	.081	-.047	-.1	240	602	-.307	.100	-.025	-.816	240	742	-.107	.097	.358	.455
240	-	.285	.083	-.070	-.1	240	603	-.299	.111	-.021	-.1	240	743	-.125	.091	.248	.515
240	-	.674	.231	-.154	-.1	240	604	-.270	.111	-.050	-.608	240	744	-.115	.106	.296	.515
240	-	.244	.053	-.066	-.1	240	605	-.248	.068	-.059	-.482	240	745	-.186	.058	.005	.386
240	-	.681	.217	-.030	-.1	240	606	-.245	.055	-.075	-.432	240	746	-.050	.065	.065	.129
240	-	.256	.171	-.949	-.949	240	607	-.182	.043	-.018	-.530	240	747	-.161	.043	.014	.441
240	-	.147	.071	-.090	-.649	240	608	-.219	.064	-.023	-.500	240	748	-.210	.059	.021	.694
240	-	.158	.048	-.011	-.351	240	609	-.000	.000	-.000	-.300	240	749	-.198	.047	.057	.356
240	-	.237	.045	-.094	-.413	240	610	-.146	.038	-.027	-.305	240	750	-.146	.050	.030	.356
240	-	.644	.238	-.301	-.419	240	611	-.102	.046	-.126	-.236	240	751	-.103	.056	.011	.480
240	-	.209	.151	-.285	-.097	240	612	-.102	.044	-.126	-.236	240	752	-.222	.091	.120	.587
240	-	.135	.067	.166	-.502	240	613	-.127	.032	-.127	-.236	240	753	-.119	.077	.154	.490
240	-	.154	.055	.075	-.392	240	614	-.127	.032	-.127	-.236	240	754	-.182	.053	.021	.495
240	-	.241	.045	-.090	-.520	240	615	-.081	.072	-.345	-.214	240	801	-.339	.115	.112	.982
240	-	.597	.216	-.066	-.378	240	616	-.032	.073	-.366	-.364	240	802	-.367	.111	.019	.956
240	-	.244	.105	-.049	-.066	240	617	-.116	.081	-.470	-.161	240	803	-.355	.431	.431	.559
240	-	.191	.060	.032	-.577	240	618	-.100	.078	-.428	-.129	240	804	-.198	.088	.114	.559
240	-	.203	.050	-.004	-.388	240	619	-.054	.060	-.279	-.133	240	805	-.144	.090	.262	.707
240	-	.266	.055	-.084	-.594	240	620	-.053	.065	-.280	-.134	240	806	-.239	.096	.111	.739
240	-	.464	.126	-.153	-.007	240	621	-.013	.054	-.212	-.216	240	807	-.167	.108	.249	.573
240	-	.316	.101	-.077	-.526	240	622	-.023	.056	-.250	-.178	240	808	-.359	.066	.144	.687
240	-	.256	.050	-.066	-.506	240	623	-.042	.044	-.137	-.196	240	810	-.369	.073	.164	.724
240	-	.294	.057	-.128	-.621	240	624	-.072	.065	-.227	-.139	240	811	-.374	.083	.136	.886
240	-	.165	.101	.616	-.083	240	625	-.010	.049	-.228	-.199	240	812	-.415	.098	.125	.874

APPENDIX A -- PRESSURE DATA:

HINES ONE BUILDING -- MINNEAPOLIS , MINNESOTA

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
013	- .446	.115	- .161	- 1.089	240	863	- .136	.067	.049	- 4.44		149	- .000	.000	.000	- .311	
014	- .545	.161	- .185	- 1.462	240	864	- .142	.064	.045	- 4.81		151	- .144	.023	- .063	- .223	
015	- .343	.074	- .161	- 1.725	255	101	- .054	.096	.337	- 5.83		152	- .184	.041	- .094	- .477	
016	- .539	.164	- .177	- 1.571	255	102	- .164	.056	.010	- 3.84		153	- .165	.026	- .087	- .297	
017	- .155	.056	- .028	- 4.02	255	103	- .096	.069	.305	- 2.97		154	- .147	.025	- .048	- .238	
018	- .349	.067	- .155	- 7.03	255	104	- .229	.122	.227	- 8.91		155	- .144	.024	- .057	- .232	
019	- .378	.084	- .143	- 8.81	255	105	- .268	.164	.276	- 7.22		156	- .142	.023	- .068	- .221	
020	- .455	.107	- .155	- 9.70	255	106	- .200	.085	.034	- 3.78		157	- .266	.082	- .060	- .775	
021	- .558	.157	- .120	- 1.483	255	107	- .084	.056	- .063	- 5.46		158	- .250	.102	- .007	- .709	
022	- .165	.060	- .012	- 4.83	255	108	- .208	.067	- .034	- 8.69		159	- .259	.110	- .000	- .874	
023	- .225	.057	- .009	- 4.93	255	109	- .220	.076	- .034	- 6.22		160	- .292	.114	- .022	- .970	
024	- .199	.071	- .092	- 4.40	255	110	- .234	.075	- .022	- 6.21		161	- .489	.188	- .043	- 1.339	
025	- .230	.157	.354	- 8.36	255	111	- .250	.073	- .022	- 6.96		162	- .240	.052	- .051	- .470	
026	- .305	.105	.180	- 7.31	255	112	- .243	.085	- .052	- 6.96		163	- .659	.218	- .022	- 1.497	
027	- .450	.136	- .082	- 1.143	255	113	- .280	.088	- .084	- 7.87		164	- .262	.054	- .076	- .554	
028	- .353	.121	- .005	- 9.14	255	114	- .285	.047	- .071	- 4.22		165	- .224	.052	- .007	- .487	
029	- .318	.119	- .014	- 9.80	255	115	- .213	.052	- .007	- 3.84		166	- .237	.069	- .027	- .583	
030	- .311	.127	- .026	- 1.024	255	116	- .139	.043	- .069	- 4.33		167	- .296	.103	- .056	- .831	
031	- .347	.150	.012	- 1.213	255	117	- .213	.043	- .069	- 4.68		168	.589	.207	- .143	- 1.735	
032	- .466	.139	- .082	- 1.187	255	118	- .214	.043	- .062	- 6.34		169	- .229	.057	- .055	- .427	
033	- .319	.118	- .035	- 1.217	255	119	- .260	.066	- .073	- 6.69		170	- .210	.053	- .019	- .417	
034	- .420	.137	- .007	- 1.073	255	120	- .290	.077	- .087	- 6.08		171	- .216	.057	- .070	- .413	
035	- .314	.121	.054	- 8.39	255	121	- .287	.066	- .108	- 3.48		172	- .263	.077	- .010	- .578	
036	- .315	.108	.049	- 7.82	255	122	- .179	.036	- .041	- 3.70		173	- .335	.112	- .031	- .893	
037	- .000	.000	.000	.000	255	123	- .176	.038	- .029	- 4.39		174	- .172	.033	- .068	- .392	
038	- .282	.082	.045	- 6.28	255	124	- .190	.054	- .022	- 4.39		175	- .167	.034	- .036	- .343	
039	- .000	.000	.000	.000	255	125	- .240	.080	- .042	- 7.21		176	- .183	.037	- .044	- .354	
040	- .000	.000	.000	.000	255	126	- .261	.087	- .084	- 9.50		177	- .183	.038	- .043	- .369	
041	- .248	.029	.361	- 1.51	255	127	- .243	.084	- .044	- 8.21		178	- .200	.046	- .041	- .422	
042	- .662	.070	.234	- 3.16	255	128	- .206	.064	- .048	- 5.36		179	- .155	.026	- .039	- .256	
043	- .241	.073	.016	- 5.73	255	129	- .225	.070	- .015	- 5.73		180	- .165	.027	- .081	- .300	
044	- .000	.000	.000	.000	255	130	- .231	.073	- .019	- 6.00		181	- .159	.027	- .065	- .266	
045	- .291	.148	.170	- 1.117	255	131	- .192	.072	- .066	- 5.65		182	- .164	.027	- .063	- .283	
046	- .303	.153	.187	- 1.202	255	132	- .215	.063	- .007	- 5.36		183	- .170	.032	- .046	- .418	
047	- .325	.170	.234	- 1.260	255	133	- .219	.069	- .030	- 6.18		184	- .175	.027	- .087	- .324	
048	- .432	.274	.290	- 2.240	255	134	- .220	.072	- .029	- 9.05		185	- .177	.026	- .079	- .276	
049	- .284	.097	.024	- 8.69	255	135	- .173	.034	- .061	- 3.19		186	- .177	.026	- .084	- .278	
050	- .347	.183	.306	- 1.522	255	136	- .161	.027	- .075	- 2.49		187	- .179	.025	- .098	- .257	
051	- .279	.103	.084	- 7.48	255	137	- .176	.027	- .062	- 2.83		188	- .182	.026	- .103	- .308	
052	- .274	.087	.155	- 6.85	255	138	- .173	.031	- .065	- 2.83		189	- .147	.022	- .076	- .236	
053	- .252	.116	.116	- 9.92	255	139	- .183	.036	- .068	- 4.14		190	- .147	.022	- .066	- .263	
054	- .285	.122	.045	- 1.099	255	140	- .171	.029	- .060	- 2.73		191	- .141	.022	- .070	- .219	
055	- .375	.133	.036	- 9.96	255	141	- .172	.028	- .052	- 3.05		192	- .142	.023	- .057	- .221	
056	- .262	.074	.014	- 6.45	255	142	- .159	.026	- .070	- 2.66		193	- .147	.022	- .070	- .243	
057	- .188	.064	.043	- 7.54	255	143	- .160	.026	- .068	- 2.58		194	- .142	.022	- .068	- .212	
058	- .175	.077	.082	- 5.93	255	144	- .157	.027	- .066	- 2.88		195	- .141	.021	- .072	- .223	
059	- .167	.048	.007	- 4.28	255	145	- .165	.027	- .074	- 2.47		196	- .181	.084	- .199	- .496	
060	- .168	.061	.024	- 5.02	255	146	- .157	.023	- .074	- 2.47		197	.019	.118	.405	.352	
061	- .155	.053	.116	- 3.59	255	147	- .155	.024	- .058	- 2.27		198	.057	.129	.525	.309	
062	- .149	.047	.045	- 3.63	255	148	- .150	.025	- .041	- 2.54							

APPENDIX A -- PRESSURE DATA:

HINES ONE BUILDING -- MINNEAPOLIS , MINNESOTA

TAP	CPMEAN	CPRMS	CPMAX	CPMIN	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
199	.115	.165	.770	.604	199	.162	.021	.090	.273	199	.157	.084	.078	.206
200	.194	.214	.870	.615	200	.158	.021	.089	.252	200	.168	.078	.067	.222
2002	-	.222	.231	.993	2002	.141	.019	.094	.261	2002	.160	.078	.067	.222
2004	-	.228	.231	.937	2004	.154	.026	.049	.261	2004	.163	.078	.067	.222
2005	-	.102	.124	.347	2005	.151	.031	.014	.260	2005	.167	.104	.077	.210
2006	-	.018	.232	.613	2006	.000	.000	.000	.243	2006	.169	.071	.067	.191
2008	-	.269	.077	.777	2008	.152	.025	.090	.243	2008	.145	.067	.067	.199
2009	-	.206	.062	.059	2009	.160	.024	.011	.243	2009	.147	.074	.074	.199
2010	-	.396	.086	.061	2010	.161	.032	.034	.240	2010	.147	.068	.068	.199
2011	-	.105	.138	.401	2011	.155	.021	.034	.240	2011	.155	.081	.081	.236
2012	-	.219	.041	.056	2012	.157	.022	.066	.240	2012	.163	.071	.071	.184
2014	-	.212	.052	.080	2014	.147	.022	.053	.236	2014	.154	.074	.074	.194
2015	-	.162	.028	.074	2015	.154	.021	.071	.234	2015	.160	.090	.090	.194
2016	-	.172	.030	.002	2016	.172	.056	.029	.234	2016	.163	.029	.029	.248
2017	-	.172	.038	.074	2017	.098	.099	.371	.234	2017	.154	.054	.054	.194
2018	-	.106	.040	.440	2018	.165	.069	.116	.234	2018	.163	.027	.027	.285
2019	-	.155	.023	.079	2019	.191	.074	.098	.234	2019	.163	.066	.066	.230
2020	-	.165	.024	.050	2020	.154	.076	.172	.234	2020	.163	.074	.074	.275
2021	-	.166	.028	.061	2021	.124	.125	.401	.234	2021	.163	.440	.440	.304
2022	-	.147	.020	.081	2022	.115	.131	.502	.234	2022	.163	.374	.374	.219
2023	-	.154	.021	.081	2023	.073	.139	.592	.234	2023	.163	.330	.330	.191
2024	-	.139	.021	.053	2024	.066	.144	.671	.234	2024	.163	.290	.290	.1314
2025	-	.140	.020	.022	2025	.044	.155	.604	.234	2025	.163	.406	.406	.060
2026	-	.139	.021	.029	2026	.072	.126	.431	.234	2026	.163	.258	.258	.1304
2027	-	.142	.020	.055	2027	.160	.095	.402	.234	2027	.163	.409	.409	.0800
2028	-	.116	.031	.055	2028	.085	.111	.462	.234	2028	.163	.339	.339	.0243
2029	-	.000	.000	.000	2029	.050	.045	.236	.234	2029	.163	.207	.207	.0243
2030	-	.052	.041	.149	2030	.166	.066	.298	.234	2030	.163	.044	.044	.0243
2031	-	.109	.033	.085	2031	.123	.075	.495	.234	2031	.163	.413	.413	.0456
2032	-	.068	.041	.092	2032	.094	.076	.383	.234	2032	.163	.270	.270	.0152
2033	-	.149	.027	.122	2033	.188	.039	.418	.234	2033	.163	.175	.175	.0152
2034	-	.000	.000	.000	2034	.162	.040	.002	.234	2034	.163	.374	.374	.0152
2035	-	.052	.041	.149	2035	.050	.061	.162	.234	2035	.163	.141	.141	.0143
2036	-	.109	.033	.085	2036	.075	.075	.402	.234	2036	.163	.155	.155	.0143
2037	-	.068	.046	.122	2037	.094	.076	.383	.234	2037	.163	.161	.161	.0143
2038	-	.149	.027	.122	2038	.188	.039	.418	.234	2038	.163	.124	.124	.0143
2039	-	.000	.000	.000	2039	.162	.040	.002	.234	2039	.163	.166	.166	.0143
2040	-	.134	.040	.051	2040	.133	.050	.073	.234	2040	.163	.040	.040	.0243
2041	-	.130	.030	.025	2041	.097	.061	.221	.234	2041	.163	.040	.040	.0243
2042	-	.129	.030	.020	2042	.096	.079	.221	.234	2042	.163	.040	.040	.0243
2043	-	.000	.000	.000	2043	.134	.023	.215	.234	2043	.163	.040	.040	.0243
2044	-	.157	.021	.076	2044	.084	.079	.212	.234	2044	.163	.174	.174	.0143
2045	-	.153	.027	.030	2045	.123	.023	.012	.234	2045	.163	.141	.141	.0143
2046	-	.142	.025	.011	2046	.106	.029	.060	.234	2046	.163	.161	.161	.0143
2047	-	.166	.026	.023	2047	.085	.040	.154	.234	2047	.163	.191	.191	.0143
2048	-	.160	.022	.000	2048	.086	.081	.196	.234	2048	.163	.166	.166	.0143
2049	-	.166	.024	.000	2049	.094	.094	.175	.234	2049	.163	.124	.124	.0143

APPENDIX A -- PRESSURE DATA:

HINES ONE BUILDING -- MINNEAPOLIS , MINNESOTA

UD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	UD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	UD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
3007	- .136	.034	.030	.294	.292	2555	5223	- .187	.067	.173	.525	5555	5723	- .274	.053	.117	.605
3008	- .162	.036	.002	.292	.300	2555	5223	- .099	.070	.215	.412	5555	573	- .223	.041	.115	.506
3009	- .135	.035	.000	.302	.312	2555	5225	- .067	.064	.234	.261	5555	574	- .216	.034	.096	.386
3010	- .145	.036	.023	.261	.276	2555	5226	- .091	.064	.330	.472	5555	575	- .209	.032	.106	.359
3011	- .150	.038	- .019	.261	.276	2555	5226	- .191	.073	.153	.309	5555	576	- .213	.035	.103	.385
3012	- .135	.035	.033	.249	.256	2555	5226	- .121	.065	.206	.280	5555	577	- .059	.047	.096	.232
3013	- .161	.026	- .054	.249	.256	2555	5226	- .090	.062	.285	.314	5555	578	- .203	.033	.072	.351
3014	- .124	.038	.042	.291	.297	2555	5228	- .089	.074	.292	.314	5555	579	- .190	.033	.094	.454
3015	- .140	.033	- .016	.297	.270	2555	5230	- .095	.070	.248	.265	5555	580	- .181	.028	.071	.327
3016	- .138	.020	- .047	.245	.245	2555	5231	- .086	.065	.242	.275	5555	581	- .254	.074	.085	.792
3017	- .132	.030	- .016	.241	.241	2555	5233	- .104	.074	.242	.275	5555	582	- .243	.064	.032	.629
3018	- .128	.030	- .014	.241	.241	2555	5234	- .177	.083	.141	.448	5555	583	- .232	.062	.080	.580
4000	- .133	.028	- .030	.224	.230	2555	5235	- .167	.037	-	.318	5555	584	- .237	.059	.094	.614
4001	- .145	.029	- .040	.230	.230	2555	5236	- .116	.043	.096	.246	5555	585	- .261	.066	.106	.582
4002	- .128	.029	- .019	.219	.219	2555	5237	- .098	.056	.189	.252	5555	586	- .233	.059	.076	.635
4003	- .133	.021	- .030	.219	.219	2555	5238	- .122	.059	.206	.290	5555	587	- .232	.054	.071	.545
4004	- .133	.031	.000	.278	.278	2555	5239	- .191	.067	.120	.456	5555	588	- .218	.054	.032	.513
4005	- .169	.032	- .035	.312	.312	2555	5240	- .158	.029	.010	.268	5555	589	- .215	.045	.052	.531
4006	- .170	.040	- .009	.366	.366	2555	5241	- .135	.035	.014	.256	5555	590	- .221	.046	.082	.462
4007	- .119	.031	- .012	.231	.231	2555	5242	- .142	.037	.010	.264	5555	591	- .213	.043	.080	.391
4008	- .149	.036	- .033	.344	.344	2555	5243	- .173	.033	.058	.311	5555	592	- .213	.049	.080	.546
4009	- .168	.029	- .060	.312	.312	2555	5244	- .229	.036	.105	.373	5555	593	- .231	.043	.101	.460
4100	- .162	.029	- .075	.284	.284	2555	5245	- .116	.031	.046	.189	5555	594	- .234	.041	.106	.441
4101	- .134	.032	- .042	.280	.280	2555	5246	- .097	.040	.137	.194	5555	595	- .222	.041	.076	.441
4102	- .157	.032	- .026	.280	.280	2555	5247	- .082	.044	.169	.195	5555	596	- .220	.048	.099	.550
4103	- .161	.025	- .067	.249	.249	2555	5248	- .062	.039	.165	.160	5555	597	- .220	.048	.124	.414
4104	- .145	.025	- .012	.245	.245	2555	5249	- .032	.044	.220	.156	5555	598	- .224	.037	.096	.407
4105	- .139	.025	- .037	.229	.229	2555	5250	- .320	.194	.115	.742	5555	599	- .209	.036	.099	.421
5001	- .188	.105	.232	.613	.613	2555	5251	- .354	.135	.063	.282	5555	600	- .204	.036	.096	.415
5002	- .237	.125	.498	.748	.748	2555	5252	- .278	.103	.041	.866	5555	601	- .204	.028	.085	.354
5003	- .438	.166	.164	- 1.032	.032	2555	5253	- .238	.090	.026	.661	5555	602	- .183	.027	.094	.327
5004	- .101	.082	.265	- 1.320	.320	2555	5254	- .257	.071	.062	.549	5555	603	- .186	.024	.094	.284
5005	- .119	.070	.225	- 1.323	.323	2555	5255	- .321	.184	.070	.386	5555	604	- .187	.024	.094	.251
5006	- .234	.090	.062	- 1.620	.620	2555	5256	- .236	.053	.084	.476	5555	605	- .183	.027	.089	.268
5007	- .105	.066	.149	- 1.362	.362	2555	5257	- .415	.117	.000	.970	5555	606	- .187	.024	.071	.000
5008	- .094	.210	.559	- 1.074	.074	2555	5258	- .352	.144	.022	.978	5555	607	- .161	.022	.089	.000
5009	- .063	.105	.398	- 1.417	.417	2555	5259	- .268	.115	.005	.890	5555	608	- .172	.000	.000	.000
5010	- .078	.099	.400	- 1.407	.407	2555	5260	- .216	.071	.022	.646	5555	609	- .172	.000	.000	.000
5011	- .073	.093	.463	- 1.383	.383	2555	5261	- .219	.054	.050	.534	5555	610	- .172	.000	.000	.000
5012	- .060	.085	.411	- 1.344	.344	2555	5262	- .363	.126	.012	.196	5555	611	- .149	.024	.048	.218
5013	- .098	.090	.393	- 1.357	.357	2555	5263	- .230	.102	.067	.191	5555	612	- .140	.028	.053	.252
5014	- .236	.093	.170	- 1.647	.647	2555	5264	- .187	.063	.081	.807	5555	613	- .153	.026	.238	.245
5015	- .074	.242	.583	- 1.241	.241	2555	5265	- .182	.050	.048	.807	5555	614	- .153	.026	.238	.236
5016	- .167	.085	.194	- 1.545	.545	2555	5266	- .211	.039	.050	.592	5555	615	- .164	.047	.120	.228
5017	- .088	.177	.501	- 1.059	.059	2555	5267	- .299	.087	.014	.836	5555	616	- .072	.034	.081	.210
5018	- .053	.086	.304	- 1.496	.496	2555	5268	- .200	.051	.007	.696	5555	617	- .072	.037	.105	.199
5019	- .065	.256	.- 1.323	.313	.313	2555	5269	- .179	.045	.019	.371	5555	618	- .077	.035	.094	.195
5020	- .100	.060	.208	- 1.550	.550	2555	5270	- .186	.041	.043	.362	5555	619	- .096	.030	.037	.227
5021	- .245	.080	.235	- 1.550	.550	2555	5271	- .212	.035	.048	.374	5555	620	- .100	.034	.068	.227

APPENDIX A -- PRESSURE DATA:

HINES ONE BUILDING -- MINNEAPOLIS , MINNESOTA

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TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
711	- .110	.029	.000	-.258	255	807	-.127	.093	.220	-.497	255	857	- .178	.030	.068	-.303
712	- .102	.030	.048	-.208	255	808	-.216	.042	-.071	.383	255	858	- .175	.033	.072	-.265
713	- .117	.025	.022	-.210	255	809	-.223	.038	-.107	.399	255	859	- .181	.027	.084	-.244
714	- .124	.024	-.013	-.210	255	810	-.234	.041	-.127	.425	255	860	- .163	.026	.075	-.226
715	- .093	.030	.026	-.188	255	811	-.248	.044	-.123	.456	255	861	- .175	.025	.046	-.244
716	- .111	.025	.018	-.197	255	812	-.266	.049	-.125	.522	255	862	- .169	.032	.032	-.244
717	- .121	.024	-.033	-.197	255	813	-.297	.065	-.141	.689	255	863	- .154	.024	.064	-.244
718	- .133	.027	-.017	-.240	255	814	-.340	.088	-.156	.794	270	101	- .239	.115	.185	-.717
720	- .132	.024	-.035	-.206	255	815	-.231	.045	-.093	.503	270	102	- .252	.066	.007	-.717
721	- .146	.023	-.059	-.228	255	816	-.335	.087	-.155	.847	270	103	- .160	.071	.169	-.418
722	- .153	.022	-.072	-.238	255	817	-.084	.029	-.032	.226	270	104	- .566	.088	.355	-.260
723	- .143	.023	-.050	-.243	255	818	-.213	.031	-.113	.389	270	105	- .666	.102	.629	-.1
724	- .138	.023	-.059	-.219	255	819	-.243	.036	-.130	.428	270	106	- .260	.078	.335	-.629
725	- .066	.046	.195	-.175	255	820	-.267	.048	-.114	.528	270	107	- .169	.081	.066	-.666
726	- .139	.032	.074	-.358	255	821	-.298	.066	-.125	.584	270	108	- .255	.081	.007	-.904
727	- .146	.034	.024	-.284	255	822	-.143	.036	-.011	.294	270	109	- .299	.101	.051	-.717
728	- .255	.059	-.064	-.533	255	823	-.162	.032	-.046	.278	270	110	- .356	.102	.606	-.800
729	- .261	.064	-.088	-.649	255	824	-.172	.038	-.007	.314	270	111	- .415	.110	.128	-.1
730	- .209	.046	-.035	-.447	255	825	-.202	.046	-.016	.349	270	112	- .425	.106	.137	-.881
731	- .225	.056	-.079	-.687	255	826	-.218	.040	-.061	.375	270	113	- .475	.105	.059	-.975
732	- .198	.043	-.042	-.444	255	827	-.292	.068	-.036	.704	270	114	- .444	.088	.199	-.1
733	- .203	.034	-.077	-.342	255	828	-.246	.058	-.080	.567	270	115	- .279	.076	.065	-.720
734	- .175	.052	-.084	-.342	255	829	-.237	.061	-.068	.607	270	116	- .276	.061	.102	-.523
735	- .190	.037	-.014	-.340	255	830	-.240	.071	-.052	.757	270	117	- .250	.064	.029	-.533
736	- .204	.041	-.049	-.432	255	831	-.265	.088	-.062	1.082	270	118	- .255	.064	.035	-.533
737	- .193	.038	-.081	-.358	255	832	-.280	.065	-.052	.642	270	119	- .319	.108	.116	-.971
738	- .190	.039	-.058	-.380	255	833	-.230	.064	-.080	.694	270	120	- .533	.117	.227	-.998
739	- .174	.034	-.065	-.329	255	834	-.250	.054	-.011	.461	270	121	- .551	.123	.243	-.432
740	- .167	.015	-.115	-.217	255	835	-.215	.047	-.018	.449	270	122	- .202	.043	.057	-.432
741	- .180	.026	-.070	-.277	255	836	-.208	.043	-.073	.476	270	123	- .200	.042	.018	-.432
742	- .168	.035	-.019	-.279	255	837	-.000	.000	-.000	.000	270	124	- .235	.059	.050	-.549
743	- .169	.030	-.009	-.280	255	838	-.186	.036	-.036	.384	270	125	- .361	.097	.040	-.800
744	- .171	.035	-.063	-.313	255	839	-.000	.000	-.000	.000	270	126	- .462	.118	.186	-.959
745	- .173	.029	-.074	-.286	255	840	-.000	.000	-.000	.000	270	127	- .407	.105	.174	-.941
746	- .020	.062	.377	-.130	255	841	-.149	.015	-.198	.98	270	128	- .329	.086	.092	-.828
747	- .159	.027	-.074	-.264	255	842	-.142	.029	-.034	.237	270	129	- .349	.090	.099	-.796
748	- .166	.024	-.086	-.332	255	843	-.184	.031	-.062	.310	270	130	- .339	.097	.139	-.866
749	- .169	.023	-.098	-.249	255	844	-.000	.000	-.000	.000	270	131	- .353	.099	.081	-.799
750	- .147	.026	-.058	-.252	255	845	-.210	.075	-.057	.730	270	132	- .342	.087	.097	-.950
751	- .153	.021	-.065	-.229	255	846	-.212	.080	-.086	.782	270	133	- .305	.087	.097	-.950
752	- .194	.042	-.061	-.348	255	847	-.233	.093	-.016	.929	270	134	- .420	.104	.111	-.142
753	- .169	.034	-.033	-.277	255	848	-.264	.121	-.084	-1.039	270	135	- .336	.091	.091	-.366
754	- .154	.025	-.049	-.249	255	849	-.203	.043	-.043	.417	270	136	- .108	.033	.057	-.507
801	- .229	.109	.203	-.749	255	850	-.239	.091	-.024	.228	270	137	- .222	.060	.033	-.522
802	- .241	.111	.259	-.828	255	851	-.192	.034	-.073	.339	270	138	- .322	.096	.122	-.845
803	- .226	.096	.138	-.680	255	852	-.191	.033	-.066	.424	270	139	- .307	.096	.146	-.663
804	- .170	.082	.142	-.613	255	853	-.174	.048	-.011	.593	270	140	- .103	.028	.067	-.295
805	- .162	.075	.199	-.675	255	854	-.208	.056	-.043	.785	270	141	- .103	.032	.058	-.395
806	- .161	.095	.197	-.645	255	855	-.203	.040	-.034	.399	270	142	- .070	.046	.010	-.447

APPENDIX A -- PRESSURE DATA: HINES ONE BUILDING -- MINNEAPOLIS, MINNESOTA

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
143	- .305	.096	- .050	- .735	270	193	- .118	.036	.069	- .247	270	244	- .186	.035	- .074	- .369	
144	- .372	.087	- .165	- .924	270	194	- .107	.040	.126	- .253	270	245	- .191	.025	- .066	- .278	
145	- .184	.026	- .081	- .281	270	195	- .173	.028	- .052	- .294	270	246	- .070	.084	- .382	- .282	
146	- .185	.026	- .094	- .323	270	196	- .131	.079	.173	- .390	270	247	- .163	.039	- .007	- .280	
147	- .194	.034	- .078	- .362	270	197	- .087	.098	.433	- .300	270	248	- .149	.034	- .045	- .274	
148	- .257	.073	- .062	- .647	270	198	- .145	.107	.505	- .280	270	249	- .197	.029	- .095	- .320	
149	- .000	.000	- .000	- .000	270	199	- .253	.135	.703	- .456	270	250	- .182	.026	- .091	- .275	
150	- .169	.022	- .061	- .249	270	200	- .395	.155	.879	- .390	270	251	- .163	.028	- .078	- .320	
151	- .261	.065	- .038	- .630	270	201	- .143	.109	.238	- .628	270	252	- .117	.043	- .088	- .224	
152	- .169	.021	- .101	- .263	270	202	- .480	.196	.647	- .339	270	253	- .177	.022	- .102	- .254	
153	- .172	.022	- .094	- .244	270	203	- .286	.136	.279	- .733	270	254	- .217	.034	- .122	- .449	
154	- .164	.025	- .078	- .303	270	204	- .112	.123	.419	- .493	270	255	- .199	.027	- .116	- .344	
155	- .187	.036	- .078	- .374	270	205	- .048	.152	.531	- .482	270	256	- .000	.000	- .000	- .000	
156	- .243	.073	.009	- .773	270	206	- .054	.171	.626	- .603	270	257	- .213	.033	- .116	- .366	
157	- .345	.058	- .181	- .626	270	207	- .220	.101	.308	- .596	270	258	- .199	.026	- .117	- .308	
158	- .259	.047	- .088	- .561	270	208	- .206	.091	.226	- .524	270	259	- .191	.025	- .100	- .306	
159	- .287	.056	- .137	- .634	270	209	- .218	.085	.669	- .560	270	260	- .180	.025	- .067	- .264	
160	- .390	.097	- .127	- .768	270	210	- .245	.084	.049	- .632	270	261	- .196	.026	- .114	- .299	
161	- .946	.199	- .239	- 1.583	270	211	- .136	.102	.326	- .467	270	262	- .179	.020	- .114	- .254	
162	- .370	.059	- .209	- .644	270	212	- .136	.093	.644	- .446	270	263	- .173	.021	- .088	- .290	
163	- .924	.197	- .165	- .568	270	213	- .161	.202	.202	- .416	270	264	- .203	.025	- .052	- .249	
164	- .424	.085	- .175	- .757	270	214	- .180	.047	.016	- .653	270	265	- .203	.045	- .014	- .374	
165	- .269	.068	- .015	- .500	270	215	- .057	.096	.360	- .336	270	266	- .178	.043	- .056	- .368	
166	- .240	.090	.151	- .710	270	216	- .020	.114	.605	- .334	270	267	- .210	.041	- .052	- .312	
167	- .279	.151	.097	- 1.126	270	217	- .059	.103	.433	- .334	270	268	- .216	.041	- .019	- .382	
168	- .691	.287	- .124	- 1.677	270	218	- .122	.065	.218	- .366	270	269	- .224	.040	- .012	- .436	
169	- .350	.072	- .124	- .606	270	219	- .094	.071	.216	- .366	270	270	- .226	.040	- .009	- .457	
170	- .246	.074	.043	- .543	270	220	- .034	.093	.415	- .251	270	271	- .211	.042	- .029	- .530	
171	- .219	.079	.150	- .509	270	221	- .029	.098	.468	- .238	270	272	- .226	.042	- .052	- .519	
172	- .242	.099	.180	- .649	270	222	- .072	.075	.312	- .262	270	273	- .225	.043	- .058	- .405	
173	- .318	.150	.298	- .994	270	223	- .123	.048	.97	- .325	270	274	- .227	.039	- .056	- .413	
174	- .285	.064	- .078	- .564	270	224	- .105	.056	.271	- .323	270	275	- .221	.033	- .023	- .375	
175	- .198	.061	.085	- .434	270	225	- .096	.043	.182	- .260	270	312	- .207	.039	- .077	- .450	
176	- .175	.074	.205	- .489	270	226	- .068	.054	.256	- .206	270	313	- .209	.041	- .035	- .368	
177	- .163	.081	.196	- .547	270	227	- .067	.058	.211	- .214	270	314	- .204	.040	- .058	- .417	
178	- .173	.102	.322	- .574	270	228	- .083	.055	.188	- .211	270	315	- .212	.033	- .077	- .354	
179	- .263	.059	- .055	- .509	270	229	- .198	.049	.010	- .475	270	316	- .195	.035	- .046	- .239	
180	- .177	.054	.086	- .345	270	230	- .000	.000	.000	- .000	270	317	- .073	.022	- .006	- .194	
181	- .147	.057	.107	- .553	270	231	- .158	.024	.033	- .233	270	318	- .206	.026	- .112	- .327	
182	- .129	.067	.141	- .335	270	232	- .193	.059	.133	- .515	270	319	- .199	.029	- .095	- .317	
183	- .148	.115	.302	- .906	270	233	- .199	.030	.091	- .327	270	320	- .191	.033	- .035	- .302	
184	- .255	.051	- .047	- .517	270	234	- .186	.023	.081	- .259	270	321	- .200	.041	- .025	- .439	
185	- .182	.041	- .033	- .382	270	235	- .208	.037	.081	- .445	270	322	- .197	.025	- .095	- .273	
186	- .173	.044	- .019	- .380	270	236	- .000	.000	.000	- .000	270	323	- .196	.023	- .118	- .270	
187	- .172	.050	.012	- .468	270	237	- .185	.025	.072	- .284	270	324	- .195	.027	- .070	- .288	
188	- .258	.145	.054	- 1.112	270	238	- .196	.037	.052	- .391	270	325	- .188	.033	- .069	- .308	
189	- .197	.045	- .002	- .439	270	239	- .183	.030	.059	- .323	270	326	- .193	.046	- .021	- .374	
190	- .167	.074	.076	- .583	270	240	- .000	.000	.000	- .000	270	327	- .172	.020	- .092	- .237	
191	- .169	.048	.152	- .383	270	241	- .194	.028	.081	- .351	270	328	- .150	.047	- .019	- .431	
192	- .125	.035	.049	- .249	270	242	- .183	.024	.088	- .280	270	329	- .163	.020	- .096	- .243	

APPENDIX A -- PRESSURE DATA:

HINES ONE BUILDING -- MINNEAPOLIS , MINNESOTA

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
330	- 152	.018	-.093	-.208	.234	270	381	- 201	.017	-.130	-.262	270	516	- 186	.057	.015	-.482
331	- 154	.024	-.072	-.234	.241	270	382	- 189	.017	-.125	-.245	270	517	- 237	.246	.582	-.283
332	- 138	.029	-.019	-.241	.353	270	383	- 185	.020	-.105	-.253	270	518	- 130	.120	.318	-.611
333	- 143	.051	.031	-.353	.431	270	384	- 197	.020	-.128	-.266	270	519	- 125	.102	.233	-.479
334	- 209	.037	-.017	-.483	.437	270	385	- 201	.020	-.118	-.274	270	520	- 174	.075	.123	-.455
335	- 203	.036	-.012	-.360	.437	270	386	- 185	.022	-.115	-.259	270	521	- 335	.086	.013	-.685
336	- 212	.036	-.060	-.364	.351	270	387	- 173	.019	-.112	-.239	270	522	- 235	.065	.063	-.828
337	- 214	.035	-.060	-.351	.496	270	388	- 194	.018	-.135	-.278	270	523	- 203	.069	.023	-.615
338	- 203	.036	-.110	-.433	.433	270	389	- 200	.023	-.123	-.264	270	524	- 166	.070	.093	-.518
339	- 203	.034	-.079	-.433	.433	270	390	- 189	.019	-.126	-.246	270	525	- 178	.062	.060	-.580
340	- 254	.032	-.140	-.558	.558	270	391	- 182	.018	-.111	-.280	270	526	- 255	.070	.071	-.767
341	- 194	.036	-.029	-.327	.327	270	392	- 194	.023	-.137	-.257	270	527	- 180	.058	.043	-.577
342	- 183	.037	-.004	-.305	.305	270	393	- 198	.019	-.113	-.300	270	528	- 172	.063	.020	-.535
343	- 194	.037	-.052	-.346	.346	270	394	- 192	.026	-.113	-.282	270	529	- 179	.059	.192	-.506
344	- 213	.039	-.040	-.352	.352	270	395	- 187	.020	-.126	-.280	270	530	- 157	.052	.093	-.454
345	- 260	.036	-.122	-.403	.403	270	396	- 200	.020	-.111	-.280	270	531	- 173	.053	.106	-.413
346	- 161	.043	-.006	-.338	.289	270	397	- 199	.019	-.123	-.274	270	532	- 190	.055	.040	-.397
347	- 150	.038	-.048	-.327	.317	270	398	- 187	.019	-.115	-.269	270	533	- 236	.064	.028	-.677
348	- 162	.042	-.023	-.317	.317	270	399	- 185	.021	-.122	-.263	270	534	- 219	.047	.038	-.550
349	- 175	.041	-.012	-.353	.429	270	400	- 187	.020	-.113	-.251	270	535	- 207	.036	.065	-.354
350	- 246	.042	-.081	-.429	.429	270	401	- 189	.023	-.108	-.265	270	536	- 193	.040	.025	-.380
351	- 082	.039	.095	-.227	.227	270	402	- 177	.020	-.099	-.235	270	537	- 196	.038	.018	-.374
352	- 138	.043	.097	-.261	.261	270	403	- 171	.023	-.081	-.243	270	538	- 210	.036	.085	-.405
353	- 106	.036	.058	-.209	.209	270	404	- 196	.022	-.126	-.295	270	539	- 209	.033	.080	-.364
354	- 063	.037	-.103	-.166	.166	270	405	- 197	.020	-.132	-.286	270	540	- 203	.033	.090	-.411
355	- 192	.022	-.119	-.294	.294	270	406	- 189	.019	-.130	-.283	270	541	- 208	.027	.116	-.343
356	- 090	.049	-.144	-.206	.275	270	407	- 184	.021	-.115	-.272	270	542	- 201	.025	.129	-.317
357	- 156	.058	-.184	-.275	.275	270	408	- 197	.024	-.099	-.299	270	543	- 200	.023	.123	-.309
358	- 289	.050	-.174	-.526	.526	270	409	- 197	.021	-.128	-.298	270	544	- 199	.044	.081	-.499
359	- 280	.046	-.162	-.662	.662	270	410	- 189	.019	-.118	-.274	270	545	- 207	.036	.106	-.485
360	- 268	.038	-.169	-.519	.519	270	411	- 186	.023	-.098	-.272	270	546	- 199	.025	.109	-.319
361	- 255	.033	-.160	-.477	.477	270	412	- 186	.027	-.089	-.319	270	547	- 163	.020	.080	-.246
362	- 246	.031	-.153	-.485	.485	270	413	- 192	.021	-.120	-.265	270	548	- 152	.025	.055	-.252
363	- 292	.041	-.181	-.591	.591	270	414	- 177	.029	-.094	-.389	270	549	- 451	.141	.144	-.189
364	- 241	.027	-.147	-.393	.393	270	415	- 170	.022	-.093	-.239	270	550	- 455	.126	.099	-.142
365	- 316	.042	-.178	-.496	.496	270	416	- 339	.106	-.015	-.680	270	551	- 404	.116	.040	-.000
366	- 268	.031	-.166	-.425	.425	270	417	- 483	.113	-.048	-.833	270	552	- 342	.127	.073	-.212
367	- 203	.025	-.112	-.296	.296	270	418	- 653	.096	-.367	-.998	270	553	- 329	.113	.033	-.831
368	- 236	.025	-.151	-.320	.320	270	419	- 231	.083	-.098	-.523	270	554	- 425	.125	.122	-.152
369	- 343	.055	-.104	-.628	.628	270	420	- 214	.078	-.121	-.512	270	555	- 325	.110	.010	-.852
370	- 266	.035	-.162	-.433	.433	270	421	- 258	.072	-.068	-.608	270	556	- 502	.141	.204	-.167
371	- 255	.027	-.169	-.433	.433	270	422	- 193	.065	-.015	-.474	270	557	- 485	.161	.131	-.272
372	- 238	.022	-.159	-.329	.329	270	423	- 370	.251	-.322	-.299	270	558	- 418	.160	.048	-.092
373	- 318	.067	-.108	-.601	.601	270	424	- 136	.081	-.156	-.449	270	559	- 348	.134	.068	-.892
374	- 300	.000	-.000	-.000	.000	270	425	- 166	.075	-.167	-.475	270	560	- 298	.115	.028	-.869
375	- 300	.073	-.335	-.573	.573	270	426	- 154	.073	-.205	-.486	270	561	- 265	.094	.104	-.975
376	- 213	.035	-.112	-.351	.351	270	427	- 138	.063	-.148	-.415	270	562	- 265	.060	.015	-.661
377	- 213	.026	-.002	-.290	.290	270	428	- 162	.065	-.050	-.491	270	563	- 225	.048	.015	-.501
378	- 217	.021	-.070	-.262	.262	270	429	- 287	.066	-.093	-.555	270	564	- 213	.048	.015	-.501
379	- 196	.019	-.121	-.266	.266	270	430	- 299	.316	-.702	-.375	270	565	- 213	.048	.015	-.501

APPENDIX A -- PRESSURE DATA:

HINES ONE BUILDING -- MINNEAPOLIS, MINNESOTA

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
270	566	- .227	.041	- .048	- .472	270	705	- .158	.031	.016	- .249	270	801	- .238	.045	- .010	- .435
270	567	- .233	.048	- .114	- .572	270	706	- .174	.030	.074	- .273	270	802	- .243	.041	- .081	- .401
270	568	- .202	.030	- .118	- .359	270	707	- .172	.024	- .058	- .253	270	803	- .244	.048	- .041	- .585
270	569	- .194	.027	- .108	- .350	270	708	- .172	.025	- .036	- .271	270	804	- .221	.041	- .006	- .485
270	570	- .204	.025	- .121	- .305	270	709	- .177	.026	- .070	- .276	270	805	- .228	.044	- .002	- .431
270	571	- .205	.024	- .129	- .301	270	710	- .186	.025	- .103	- .282	270	806	- .220	.048	- .128	- .387
270	572	- .208	.023	- .148	- .322	270	711	- .172	.027	- .063	- .267	270	807	- .205	.044	- .135	- .355
270	573	- .198	.023	- .116	- .310	270	712	- .178	.027	- .056	- .287	270	808	- .213	.026	- .108	- .328
270	574	- .206	.022	- .124	- .288	270	713	- .158	.035	- .081	- .263	270	809	- .219	.025	- .125	- .315
270	575	- .200	.022	- .109	- .281	270	714	- .168	.030	- .013	- .264	270	810	- .215	.026	- .135	- .345
270	576	- .194	.021	- .106	- .284	270	715	- .171	.027	- .078	- .273	270	811	- .216	.026	- .141	- .331
270	577	- .181	.027	- .088	- .321	270	716	- .165	.027	- .029	- .247	270	812	- .218	.028	- .138	- .335
270	578	- .201	.017	- .147	- .268	270	717	- .171	.027	- .025	- .290	270	813	- .221	.032	- .115	- .357
270	579	- .195	.017	- .139	- .258	270	718	- .184	.025	- .063	- .307	270	814	- .229	.036	- .133	- .391
270	580	- .190	.016	- .140	- .261	270	720	- .176	.025	- .061	- .283	270	815	- .216	.026	- .127	- .331
270	581	- .194	.021	- .121	- .281	270	721	- .171	.022	- .090	- .351	270	816	- .226	.031	- .101	- .461
270	582	- .268	.086	- .012	- .653	270	723	- .176	.019	- .117	- .253	270	817	- .103	.021	- .016	- .188
270	583	- .223	.071	- .041	- .619	270	724	- .160	.021	- .092	- .229	270	818	- .211	.023	- .119	- .310
270	584	- .236	.064	- .081	- .572	270	725	- .162	.018	- .101	- .231	270	819	- .216	.023	- .124	- .295
270	585	- .235	.069	- .040	- .664	270	726	- .184	.025	- .094	- .272	270	820	- .219	.024	- .143	- .321
270	586	- .248	.081	- .055	- .881	270	727	- .172	.024	- .096	- .266	270	821	- .227	.025	- .120	- .357
270	587	- .287	.079	- .050	- .705	270	728	- .222	.023	- .136	- .323	270	822	- .207	.021	- .119	- .275
270	589	- .287	.090	- .081	- .785	270	729	- .210	.021	- .144	- .327	270	823	- .210	.020	- .122	- .279
270	590	- .277	.073	- .081	- .619	270	730	- .195	.019	- .127	- .271	270	824	- .209	.018	- .134	- .269
270	591	- .266	.076	- .088	- .633	270	731	- .192	.019	- .110	- .267	270	825	- .214	.021	- .143	- .301
270	593	- .230	.049	- .105	- .694	270	732	- .184	.020	- .077	- .297	270	826	- .221	.020	- .073	- .413
270	594	- .234	.046	- .102	- .631	270	733	- .202	.019	- .132	- .286	270	827	- .226	.037	- .040	- .508
270	595	- .215	.046	- .103	- .645	270	734	- .190	.019	- .118	- .259	270	828	- .219	.044	- .040	- .496
270	596	- .215	.059	- .062	- .745	270	735	- .188	.018	- .124	- .260	270	829	- .217	.045	- .054	- .454
270	597	- .203	.026	- .126	- .352	270	736	- .198	.020	- .118	- .266	270	830	- .226	.054	- .002	- .586
270	598	- .207	.026	- .133	- .373	270	737	- .200	.020	- .115	- .274	270	831	- .223	.033	- .112	- .405
270	599	- .196	.027	- .100	- .320	270	738	- .193	.020	- .120	- .255	270	832	- .213	.048	- .031	- .515
270	600	- .192	.030	- .095	- .353	270	739	- .187	.019	- .112	- .241	270	833	- .216	.024	- .107	- .342
270	601	- .193	.022	- .117	- .304	270	740	- .175	.010	- .138	- .210	270	834	- .206	.026	- .108	- .298
270	602	- .198	.022	- .119	- .292	270	741	- .200	.018	- .137	- .265	270	835	- .207	.029	- .082	- .300
270	603	- .197	.026	- .110	- .327	270	742	- .191	.018	- .135	- .252	270	836	- .000	.000	- .000	- .000
270	604	- .192	.027	- .112	- .342	270	743	- .190	.017	- .134	- .258	270	837	- .000	.044	- .042	- .457
270	605	- .188	.021	- .114	- .254	270	744	- .199	.018	- .118	- .258	270	838	- .000	.000	- .000	- .000
270	606	- .193	.023	- .100	- .311	270	745	- .200	.018	- .118	- .258	270	839	- .000	.000	- .000	- .000
270	608	- .191	.029	- .085	- .323	270	746	- .058	.041	- .147	- .159	270	840	- .000	.000	- .000	- .000
270	609	- .183	.020	- .098	- .250	270	747	- .189	.018	- .119	- .248	270	841	- .007	.017	- .202	- .040
270	610	- .202	.030	- .119	- .342	270	748	- .192	.022	- .106	- .258	270	842	- .190	.038	- .135	- .315
270	611	.000	.000	.000	.000	270	749	- .193	.021	- .123	- .265	270	843	- .189	.042	- .141	- .352
270	612	- .189	.023	- .109	- .297	270	750	- .176	.023	- .096	- .255	270	844	- .000	.000	- .000	- .000
270	613	- .196	.033	- .100	- .407	270	751	- .181	.024	- .103	- .291	270	845	- .210	.046	- .056	- .428
270	614	- .201	.033	- .114	- .385	270	752	- .196	.019	- .113	- .258	270	846	- .205	.049	- .193	- .443
270	701	- .168	.027	.013	- .281	270	753	- .195	.019	- .125	- .260	270	847	- .207	.050	- .307	- .422
270	702	- .186	.026	- .126	- .276	270	754	- .189	.020	- .110	- .255	270	848	- .206	.063	- .389	- .495
270	703	- .180	.024	- .034	- .278	270	755	- .193	.020	- .110	- .255	270	849	- .206	.040	- .040	- .461
270	704	- .173	.026	.004	- .258	270	756	- .189	.020	- .110	- .255	270	850	- .197	.038	.082	- .459

APPENDIX A -- PRESSURE DATA:

HINES ONE BUILDING -- MINNEAPOLIS , MINNESOTA

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
270	851	- .196	.035	.005	-.354	285	137	-.250	.100	.005	-.805	285	187	- .111	.047	.089	-.406
270	852	- .193	.028	-.077	-.372	285	138	-.544	.203	-.109	-1.371	285	188	- .136	.077	.327	-.583
270	853	- .161	.026	.040	-.273	285	139	-.654	.164	-.266	-1.477	285	189	- .123	.055	.123	-.354
270	854	- .183	.027	.023	-.384	285	140	-.218	.036	-.094	-.351	285	190	- .094	.044	.237	-.302
270	855	- .190	.034	-.023	-.420	285	141	-.205	.036	-.057	-.375	285	191	- .061	.070	.307	-.297
270	856	- .185	.028	-.056	-.274	285	142	-.192	.047	-.012	-.388	285	192	- .036	.061	.198	-.293
270	857	- .186	.024	-.106	-.278	285	143	-.276	.130	-.045	-1.104	285	193	- .052	.048	.123	-.277
270	858	- .176	.026	-.100	-.270	285	144	-.506	.169	-.139	-1.356	285	194	- .055	.041	.107	-.230
270	859	- .201	.023	-.117	-.286	285	145	-.211	.043	-.007	-.358	285	195	- .153	.059	.163	-.344
270	860	- .192	.023	-.117	-.267	285	146	-.194	.033	-.066	-.350	285	196	- .091	.088	.375	-.214
270	861	- .197	.021	-.125	-.270	285	147	-.179	.035	-.047	-.382	285	197	- .211	.102	.541	-.181
270	862	- .191	.022	-.123	-.273	285	148	-.181	.045	-.012	-.445	285	198	- .241	.108	.569	-.277
270	863	- .192	.022	-.103	-.267	285	149	-.000	.000	-.000	-.000	285	199	- .303	.121	.649	-.063
270	864	- .189	.022	-.103	-.267	285	150	-.184	.035	-.033	-.297	285	200	- .286	.129	.682	-.119
285	101	-.522	113	-.083	.914	285	151	-.194	.071	-.021	-.625	285	201	- .240	.115	.569	-.144
285	102	-.419	126	.017	-.837	285	152	-.181	.032	-.033	-.275	285	202	- .351	.138	.762	-.253
285	103	-.105	.085	.283	-.482	285	153	-.170	.028	-.065	-.254	285	203	- .340	.157	.849	-.209
285	104	-.591	.080	-.306	-.942	285	154	-.144	.031	-.002	-.222	285	204	- .443	.183	.968	-.188
285	105	-.622	.086	-.380	-.931	285	155	-.130	.039	-.058	-.277	285	205	- .269	.165	.771	-.279
285	106	-.398	124	-.085	-.830	285	156	-.142	.073	-.126	-.652	285	206	- .012	.132	.527	-.462
285	107	-.142	.051	.069	-.337	285	157	-.361	.053	-.194	-.581	285	207	- .282	.223	.996	-.447
285	108	-.327	106	.012	-.862	285	158	-.238	.044	-.026	-.446	285	208	- .212	.220	.903	-.414
285	109	-.422	147	-.012	-.071	285	159	-.199	.044	-.009	-.360	285	209	- .038	.140	.578	-.432
285	110	-.502	147	-.047	-.128	285	160	-.175	.048	-.028	-.380	285	210	- .211	.089	.130	-.507
285	111	-.535	125	-.173	-.209	285	161	-.482	.101	-.017	-.811	285	211	- .149	.172	.689	-.349
285	112	-.513	.099	-.210	-.933	285	162	-.326	.054	-.154	-.556	285	212	- .144	.187	.777	-.391
285	113	-.517	.092	-.263	-.978	285	163	-.359	.149	-.219	-.888	285	213	- .018	.143	.553	-.379
285	114	-.487	.079	-.260	-.893	285	164	-.311	.056	-.152	-.574	285	214	- .148	.080	.283	-.439
285	115	-.334	103	-.031	-.799	285	165	-.085	.051	-.069	-.239	285	215	- .013	.097	.430	-.351
285	116	-.299	.066	-.139	-.563	285	166	-.025	.067	-.223	-.180	285	216	- .030	.122	.561	-.277
285	117	-.352	121	-.007	-.964	285	167	-.111	.084	-.353	-.191	285	217	- .011	.120	.474	-.353
285	118	-.393	.097	.026	-.884	285	168	-.010	.180	-.520	-.833	285	218	- .125	.079	.216	-.335
285	119	-.492	.098	-.197	-.950	285	169	-.367	.064	-.165	-.685	285	219	- .076	.066	.312	-.286
285	120	-.457	.077	-.214	-.862	285	170	-.090	.061	-.138	-.325	285	220	- .071	.080	.414	-.298
285	121	-.446	.080	-.223	-.957	285	171	-.033	.081	-.301	-.301	285	221	- .088	.087	.386	-.311
285	122	-.254	.079	-.019	-.778	285	172	-.131	.122	-.482	-.385	285	222	- .130	.072	.272	-.335
285	123	-.306	117	-.033	-.876	285	173	-.194	.178	-.709	-.397	285	223	- .118	.063	.175	-.389
285	124	-.472	143	-.080	-.958	285	174	-.380	.086	-.100	-.708	285	224	- .154	.044	.079	-.389
285	125	-.583	124	-.209	-.417	285	175	-.128	.058	-.099	-.344	285	225	- .112	.072	.232	-.502
285	126	-.596	112	-.281	-.1305	285	176	-.047	.073	-.299	-.287	285	226	- .094	.058	.270	-.281
285	127	-.596	122	-.287	-.1302	285	177	-.013	.090	-.404	-.312	285	228	- .102	.049	.156	-.212
285	128	-.580	131	-.174	-.554	285	178	-.039	.130	-.551	-.389	285	229	- .117	.046	.128	-.219
285	129	-.600	129	-.147	-.398	285	179	-.280	.078	-.057	-.699	285	230	- .261	.086	.108	-.752
285	130	-.605	122	-.206	-.210	285	180	-.145	.055	-.116	-.385	285	231	- .000	.000	.000	-.000
285	131	-.515	107	-.237	-.054	285	181	-.107	.057	-.123	-.362	285	232	- .173	.040	.103	-.314
285	132	-.601	133	-.181	-.418	285	182	-.087	.062	-.135	-.361	285	233	- .216	.098	.084	-.742
285	133	-.608	133	-.233	-.206	285	183	-.118	.105	-.226	-.575	285	234	- .295	.063	.135	-.694
285	134	-.619	129	-.321	-.227	285	184	-.203	.057	-.114	-.593	285	235	- .215	.031	.089	-.354
285	135	-.620	031	-.114	-.423	285	185	-.125	.045	-.058	-.410	285	236	- .282	.070	.129	-.676
285	136	-.201	037	-.042	-.568	285	186	-.112	.045	-.080	-.394	285	237	-.000	.000	.000	-.000

APPENDIX A -- PRESSURE DATA: HINES ONE BUILDING -- MINNEAPOLIS, MINNESOTA

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
238	-174	.048	.118	.304	.065	285	324	.223	.050	.012	.380	285	374	.000	.000	.000	.000
239	-229	.054	-.065	-.469	-.482	285	325	-.224	.046	-.006	-.436	285	375	-.123	.107	.465	-.542
240	-240	.053	-.029	-.482	-.000	285	326	-.248	.055	-.062	-.501	285	376	-.132	.075	.286	-.322
241	-.000	.000	.000	.000	.000	285	327	-.183	.044	-.059	-.509	285	377	-.168	.049	.136	-.310
242	-222	.040	-.106	-.415	-.352	285	328	-.220	.079	-.027	-.725	285	380	-.230	.024	-.137	-.323
243	-190	.038	-.007	-.415	-.352	285	329	-.170	.040	-.017	-.562	285	381	-.238	.024	-.142	-.310
244	-207	.043	-.060	-.448	-.448	285	330	-.161	.031	-.041	-.292	285	382	-.214	.023	-.119	-.304
245	-212	.038	-.005	-.361	-.361	285	331	-.172	.036	-.039	-.338	285	383	-.221	.024	-.135	-.348
246	-134	.077	.241	-.482	-.482	285	332	-.180	.042	-.015	-.427	285	384	-.235	.023	-.164	-.320
247	-206	.060	.017	-.524	-.524	285	333	-.197	.066	-.029	-.469	285	385	-.226	.021	-.144	-.311
248	-198	.048	-.024	-.374	-.374	285	334	-.335	.088	-.113	-.771	285	386	-.211	.024	-.123	-.295
249	-220	.038	-.096	-.300	-.300	285	335	-.301	.082	-.083	-.171	285	387	-.221	.023	-.120	-.306
250	-203	.029	-.116	-.323	-.323	285	336	-.275	.066	-.095	-.574	285	388	-.248	.030	-.149	-.351
251	-200	.034	-.098	-.402	-.402	285	337	-.262	.057	-.115	-.590	285	389	-.239	.023	-.151	-.382
252	-150	.041	.151	-.292	-.292	285	338	-.263	.051	-.093	-.565	285	390	-.218	.023	-.126	-.297
253	-184	.026	-.079	-.282	-.282	285	339	-.320	.076	-.144	-.702	285	391	-.252	.037	-.135	-.404
254	-293	.082	-.137	-.723	-.723	285	340	-.277	.044	-.140	-.467	285	392	-.239	.031	-.085	-.349
255	-253	.053	-.108	-.531	-.531	285	341	-.307	.084	-.131	-.043	285	393	-.252	.047	-.126	-.535
256	-.000	.000	.000	.000	.000	285	342	-.273	.065	-.063	-.107	285	394	-.244	.037	-.133	-.452
257	-289	.076	-.112	-.629	-.629	285	343	-.277	.050	-.093	-.862	285	395	-.234	.025	-.159	-.335
258	-224	.038	-.099	-.308	-.308	285	344	-.287	.045	-.128	-.495	285	396	-.237	.025	-.159	-.334
259	-219	.038	-.084	-.495	-.495	285	345	-.296	.040	-.155	-.495	285	397	-.213	.025	-.122	-.326
260	-179	.040	-.022	-.319	-.319	285	346	-.248	.048	-.091	-.546	285	398	-.223	.028	-.121	-.313
261	-222	.039	-.120	-.452	-.452	285	347	-.259	.047	-.121	-.532	285	399	-.223	.030	-.056	-.313
262	-185	.029	-.019	-.292	-.292	285	348	-.279	.055	-.110	-.558	285	400	-.189	.032	-.066	-.310
263	-179	.026	-.089	-.261	-.261	285	349	-.287	.055	-.107	-.600	285	401	-.211	.035	-.060	-.267
264	-195	.029	-.112	-.359	-.359	285	350	-.310	.052	-.119	-.548	285	402	-.161	.036	-.060	-.317
265	-295	.054	-.082	-.547	-.547	285	351	-.148	.043	-.036	-.370	285	403	-.191	.028	-.142	-.379
266	-279	.051	-.120	-.494	-.494	285	352	-.127	.060	-.230	-.379	285	404	-.237	.030	-.095	-.332
267	-224	.070	-.179	-.464	-.464	285	353	-.164	.045	-.010	-.347	285	405	-.214	.025	-.122	-.316
268	-300	.065	-.070	-.790	-.790	285	354	-.198	.048	-.092	-.326	285	406	-.224	.026	-.128	-.360
269	-282	.075	-.036	-.735	-.735	285	355	-.245	.036	-.131	-.421	285	407	-.224	.037	-.139	-.404
270	-347	.075	-.125	-.883	-.883	285	356	-.103	.060	-.229	-.306	285	408	-.249	.040	-.078	-.398
271	-357	.088	-.077	-.882	-.882	285	357	-.077	.088	-.238	-.262	285	409	-.249	.040	-.078	-.384
272	-325	.115	-.018	-.860	-.860	285	358	-.279	.053	-.132	-.601	285	410	-.221	.033	-.080	-.454
273	-291	.084	-.037	-.674	-.674	285	359	-.264	.047	-.110	-.542	285	411	-.239	.036	-.126	-.426
274	-274	.075	-.034	-.708	-.708	285	360	-.257	.041	-.089	-.451	285	412	-.237	.052	-.000	-.426
275	-258	.071	-.006	-.634	-.634	285	361	-.256	.037	-.125	-.429	285	413	-.207	.031	-.081	-.342
276	-256	.068	.030	-.646	-.646	285	362	-.262	.036	-.148	-.443	285	414	-.227	.062	-.005	-.591
277	-260	.069	.018	-.584	-.584	285	363	-.273	.042	-.118	-.505	285	415	-.162	.044	-.010	-.319
278	-287	.062	.091	-.604	-.604	285	364	-.264	.034	-.145	-.413	285	501	-.168	.078	-.045	-.497
279	-330	.153	-.229	-.069	-.069	285	365	-.306	.040	-.188	-.617	285	502	-.363	.151	-.140	-.880
280	-167	.057	-.093	-.506	-.506	285	366	-.293	.036	-.182	-.502	285	503	-.673	.102	-.387	-.106
281	-133	.094	.158	-.718	-.718	285	367	-.230	.032	-.144	-.361	285	504	-.137	.066	-.087	-.366
282	-226	.068	.070	-.497	-.497	285	368	-.275	.037	-.171	-.467	285	505	-.191	.072	-.206	-.448
283	-218	.061	.034	-.472	-.472	285	369	-.340	.060	-.182	-.656	285	506	-.373	.120	-.070	-.765
284	-234	.050	-.049	-.447	-.447	285	370	-.307	.045	-.174	-.565	285	507	-.144	.055	-.047	-.337
285	-274	.056	-.097	-.554	-.554	285	371	-.289	.036	-.175	-.477	285	508	-.799	.215	-.272	-.814
286	-229	.059	-.040	-.666	-.666	285	372	-.270	.026	-.195	-.378	285	509	-.497	.201	-.072	-.176
287	-223	.051	-.006	-.459	-.459	285	373	-.198	.068	-.047	-.510	285					

APPENDIX A -- PRESSURE DATA:

HIMES ONE BUILDING -- MINNEAPOLIS , MINNESOTA

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
510	- .352	.123	- .017	- 1.243	285	560	- .374	.118	- .084	- .856	285	613	- .219	.047	- .072	- .465	
511	- .273	.080	- .052	- .971	285	561	- .336	.095	- .000	- .731	614	- .213	.044	- .062	- .536		
512	- .211	.058	- .032	- .572	285	562	- .353	.124	- .047	- 1.171	285	701	- .185	.026	- .079	- .284	
513	- .223	.051	- .075	- .458	285	563	- .293	.088	- .072	- .884	285	702	- .221	.028	- .126	- .309	
514	- .332	.067	- .154	- .635	285	564	- .262	.066	- .059	- .740	285	703	- .212	.034	- .040	- .383	
515	- .780	.196	- 1.112	- 1.895	285	565	- .249	.061	- .077	- .748	285	704	- .211	.032	- .091	- .393	
516	- .244	.063	- .072	- .554	285	566	- .258	.053	- .130	- .795	285	705	- .124	.069	.321	- .328	
517	- .620	.208	- .017	- 1.626	285	567	- .251	.041	- .070	- .494	285	706	- .140	.068	.207	- .309	
518	- .499	.245	.107	- 1.463	285	568	- .235	.033	- .077	- .460	285	707	- .192	.035	- .058	- .316	
519	- .255	.136	- .187	- .824	285	569	- .231	.029	- .122	- .415	285	708	- .169	.049	- .040	- .365	
520	- .249	.084	.045	- .626	285	570	- .237	.027	- .157	- .346	285	709	- .193	.040	- .037	- .368	
521	- .402	.102	- .020	- .786	285	571	- .238	.027	- .145	- .330	285	710	- .214	.036	- .063	- .353	
522	- .376	.123	- .082	- 1.366	285	572	- .238	.034	- .106	- .445	285	711	- .184	.049	- .060	- .414	
523	- .360	.108	- .090	- 1.624	285	573	- .228	.025	- .137	- .324	285	712	- .212	.045	- .030	- .414	
524	- .298	.075	- .042	- .718	285	574	- .235	.026	- .140	- .374	285	713	- .114	.074	.235	- .298	
525	- .267	.066	- .010	- .517	285	575	- .234	.026	- .155	- .322	285	714	- .126	.065	.186	- .298	
526	- .306	.074	- .102	- .750	285	576	- .234	.030	- .151	- .398	285	715	- .177	.052	.074	- .341	
527	- .273	.063	- .077	- .574	285	577	- .262	.055	- .070	- .533	285	716	- .134	.059	.132	- .316	
528	- .264	.060	- .027	- .488	285	578	- .231	.021	- .158	- .304	285	717	- .144	.055	.237	- .349	
529	- .259	.065	- .020	- .637	285	579	- .231	.022	- .159	- .313	285	718	- .199	.056	.119	- .398	
530	- .256	.056	- .002	- .521	285	580	- .231	.023	- .163	- .321	285	720	- .187	.049	.274	- .367	
531	- .213	.051	.005	- .479	285	581	- .248	.039	- .146	- .484	285	721	- .177	.043	.028	- .426	
532	- .256	.057	- .069	- .517	285	582	- .299	.079	- .048	- .644	285	722	- .178	.032	.042	- .356	
533	- .260	.058	- .077	- .523	285	583	- .267	.074	- .053	- .696	285	723	- .180	.030	.044	- .288	
534	- .287	.064	- .087	- .615	285	584	- .277	.068	- .098	- .708	285	724	- .150	.033	.021	- .302	
535	- .270	.053	- .127	- .772	285	585	- .280	.068	- .089	- .809	285	725	- .185	.036	.044	- .426	
536	- .275	.050	- .141	- .579	285	586	- .300	.083	- .057	- .924	285	726	- .204	.043	.035	- .442	
537	- .268	.045	- .097	- .487	285	587	- .343	.081	- .099	- .759	285	727	- .193	.043	.019	- .376	
538	- .247	.038	- .092	- .404	285	588	- .331	.087	- .086	- .808	285	728	- .273	.032	.172	- .430	
539	- .239	.036	- .077	- .387	285	589	- .312	.073	- .129	- .727	285	729	- .273	.032	.172	- .430	
540	- .260	.052	- .148	- .527	285	590	- .279	.058	- .106	- .547	285	730	- .239	.029	.151	- .449	
541	- .275	.056	- .097	- .634	285	591	- .253	.048	- .101	- .532	285	731	- .223	.025	.151	- .343	
542	- .280	.044	- .140	- .496	285	592	- .247	.041	- .098	- .546	285	732	- .204	.031	.143	- .459	
543	- .228	.032	- .075	- .360	285	593	- .240	.044	- .106	- .419	285	733	- .234	.024	.132	- .311	
544	- .216	.030	- .035	- .327	285	594	- .242	.051	- .084	- .510	285	734	- .222	.025	.164	- .390	
545	- .270	.089	.062	- .980	285	595	- .227	.028	- .120	- .347	285	735	- .220	.023	.141	- .360	
546	- .284	.071	- .095	- .670	285	596	- .227	.028	- .134	- .349	285	736	- .235	.023	.145	- .360	
547	- .254	.046	- .102	- .507	285	597	- .225	.032	- .120	- .472	285	737	- .228	.025	.169	- .428	
548	- .190	.030	- .084	- .374	285	598	- .217	.032	- .112	- .433	285	738	- .228	.022	.168	- .349	
549	- .167	.039	.191	- .286	285	599	- .221	.028	- .129	- .398	285	739	- .220	.025	.158	- .365	
550	- .450	.117	- .184	- 1.231	285	600	- .224	.030	- .141	- .361	285	740	- .214	.014	.174	- .259	
551	- .470	.124	- .217	- 1.081	285	601	- .228	.042	- .099	- .569	285	741	- .230	.030	.105	- .354	
552	- .455	.114	- .158	- .896	285	602	- .218	.039	- .101	- .438	285	742	- .228	.026	.156	- .348	
553	- .414	.122	- .030	- .905	285	603	- .221	.036	- .067	- .458	285	743	- .225	.027	.152	- .363	
554	- .416	.133	- .082	- .962	285	604	- .214	.045	- .022	- .428	285	744	- .248	.029	.144	- .391	
555	- .463	.111	- .195	- 1.044	285	605	- .220	.052	- .086	- .491	285	745	- .249	.028	.156	- .383	
556	- .387	.110	- .082	- .891	285	606	- .224	.034	- .024	- .326	285	746	- .084	.054	.124	- .306	
557	- .577	.161	- .189	- 1.315	285	607	- .216	.043	- .086	- .435	285	747	- .245	.033	.147	- .384	
558	- .532	.169	- .110	- 1.206	285	608	- .194	.000	- .000	- .409	285	748	- .201	.038	.051	- .335	
559	- .446	.150	- .080	- 1.034	285	609	- .204	.041	- .017	- .409	285	749	- .201	.038	- .157	- .300	

APPENDIX A -- PRESSURE DATA:

HIMES ONE BUILDING -- MINNEAPOLIS, MINNESOTA

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
285	749	- .214	.032	- .076	- .315	285	845	- .220	.092	.160	- .535	300	131	- .628	.167	- .264	- 1.405
285	- 180	.043	- .024	- .343	- .343	285	846	- .210	.096	.247	- .583	300	132	- .617	.235	- .074	- 1.509
285	751	.044	- .044	- .358	- .318	285	847	- .184	.122	.457	- .658	300	133	- .698	.215	- .080	- 1.459
285	752	.026	- .142	- .120	- .339	285	848	- .138	.167	.633	- .614	300	134	- .730	.179	- .292	- 1.395
285	753	.026	- .120	- .416	- .907	285	849	- .197	.106	.535	- .549	300	135	- .255	.036	- .121	- 3.802
285	754	.034	- .097	- .416	- .94	285	850	- .121	.146	.566	- .506	300	136	- .216	.032	- .061	- 4.08
285	801	- .277	.094	.091	- .907	285	851	- .177	.081	.169	- .522	300	137	- .190	.065	- .066	- 817
285	802	.301	.096	.129	- .785	285	852	- .162	.058	.077	- .413	300	138	- .418	.221	- .061	- 5.76
285	803	.361	.092	- .043	- .858	285	853	- .130	.069	.264	- .375	300	139	- .641	.178	- .244	- 1.562
285	804	.071	.030	.727	- .940	285	854	- .168	.091	.554	- .444	300	140	- .221	.038	- .074	- 3.553
285	805	.067	.000	- .940	- .940	285	855	- .180	.060	.131	- .387	300	141	- .220	.030	- .123	- 3.557
285	806	.076	.284	.509	- .856	285	856	- .183	.043	.024	- .355	300	142	- .197	.034	- .005	- 2.07
285	807	.067	.206	.510	- .856	285	857	- .185	.042	.024	- .409	300	143	- .267	.122	- .052	- 1.229
285	808	.033	.130	- .389	- .856	285	858	- .193	.043	.127	- .372	300	144	- .534	.141	- .220	- 1.346
285	809	.257	.031	- .152	- .389	285	859	- .192	.036	.031	- .401	300	145	- .219	.041	- .055	- 3.14
285	810	.257	.032	- .144	- .405	285	860	- .190	.041	.002	- .491	300	146	- .209	.030	- .097	- 2.89
285	811	.264	.035	- .133	- .423	285	861	- .183	.035	.051	- .339	300	147	- .183	.030	- .073	- 2.89
285	812	.274	.037	- .114	- .483	285	862	- .175	.035	.032	- .367	300	148	- .173	.045	- .016	- 5.84
285	813	.288	.039	- .164	- .467	285	863	- .181	.032	.010	- .297	300	149	- .000	.000	- .000	- 0.00
285	814	.300	.044	- .137	- .521	285	864	- .189	.035	.070	- .360	300	150	- .222	.040	- .061	- 3.52
285	815	.253	.030	- .155	- .399	300	101	- .580	.103	.250	- .024	300	151	- .214	.075	- .061	- 6.00
285	816	.297	.045	- .099	- .573	300	102	- .527	.123	.061	- .975	300	152	- .223	.041	- .055	- 3.65
285	817	.143	.025	- .069	- .271	300	103	- .264	.113	.160	- .692	300	153	- .194	.031	- .062	- 3.08
285	818	.254	.024	- .170	- .333	300	104	- .590	.083	.155	- .931	300	154	- .140	.034	- .000	- 2.60
285	819	.257	.025	- .160	- .455	300	105	- .598	.086	.155	- .015	300	155	- .113	.044	- .092	- 2.69
285	820	.276	.037	- .164	- .522	300	106	- .561	.116	.201	- .970	300	156	- .147	.094	- .239	- 4.65
285	821	.328	.066	- .167	- .728	300	107	- .254	.095	.082	- .663	300	157	- .392	.063	- .158	- 6.04
285	822	.254	.025	- .146	- .360	300	108	- .271	.062	.068	- .611	300	158	- .186	.068	- .100	- 4.85
285	823	.257	.025	- .138	- .353	300	109	- .292	.086	.007	- .696	300	159	- .116	.075	- .158	- 4.08
285	824	.257	.024	- .147	- .336	300	110	- .350	.104	.025	- .920	300	160	- .067	.082	- .253	- 3.87
285	825	.253	.025	- .177	- .346	300	111	- .446	.132	.061	- .968	300	161	- .083	.144	- .323	- 6.94
285	826	.258	.025	- .173	- .374	300	112	- .556	.141	.171	- .089	300	162	- .379	.073	- .118	- 7.26
285	827	.293	.040	- .015	- .464	300	113	- .670	.149	.248	- .1268	300	163	- .126	.193	- .641	- 6.56
285	828	.299	.046	- .135	- .498	300	114	- .727	.147	.360	- .569	300	164	- .396	.078	- .162	- 7.51
285	829	.300	.059	- .010	- .564	300	115	- .271	.058	.084	- .567	300	165	- .032	.084	- .310	- 3.01
285	830	.288	.076	.055	- .633	300	116	- .517	.113	.223	- .141	300	166	- .102	.108	- .437	- 2.14
285	831	.292	.126	.225	- .798	300	117	- .291	.060	.066	- .617	300	167	- .197	.125	- .577	- 1.53
285	832	.291	.038	- .152	- .464	300	118	- .266	.092	.025	- .859	300	168	- .192	.191	- .762	- 5.71
285	833	.273	.148	.399	- .926	300	119	- .421	.193	.068	- .286	300	169	- .371	.095	- .068	- 7.12
285	834	.282	.041	- .166	- .458	300	120	- .705	.164	.187	- .281	300	170	- .040	.093	- .316	- 2.94
285	835	.252	.045	- .046	- .464	300	121	- .732	.140	.382	- .395	300	171	- .078	.103	- .501	- 1.51
285	836	.242	.060	.058	- .440	300	122	- .276	.041	.118	- .758	300	172	- .160	.123	- .642	- 1.37
285	837	.000	.000	.000	- .000	300	123	- .227	.063	.011	- .965	300	173	- .181	.160	- .758	- 3.64
285	838	.205	.112	.266	- .703	300	124	- .266	.159	.034	- .033	300	174	- .315	.106	- .039	- 7.35
285	839	.000	.000	.000	- .000	300	125	- .611	.247	.068	- .420	300	175	- .037	.089	- .334	- 2.55
285	840	.000	.000	.000	- .000	300	126	- .747	.181	.301	- .884	300	176	- .043	.094	- .498	- 1.87
285	841	.104	.029	.319	- .015	300	127	- .717	.205	.141	- .612	300	177	- .087	.094	- .592	- 1.27
285	842	.171	.064	.202	- .475	300	128	- .546	.247	.054	- .430	300	178	- .097	.115	- .729	- 4.21
285	843	.175	.075	.174	- .660	300	129	- .626	.236	.030	- .552	300	179	- .223	.087	- .665	- 6.65
285	844	.000	.000	.000	- .000	300	130	- .719	.199	.158	- .574	300	180	- .039	.075	- .309	- 2.37

APPENDIX A -- PRESSURE DATA:

HINES ONE BUILDING -- MINNEAPOLIS , MINNESOTA

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
300	181	.009	.074	.375	-.172	300	232	-.211	.080	.248	-.409	300	318	-.362	.068	-.045	.838
300	182	.028	.072	.389	-.180	300	233	-.229	.110	.196	-.667	300	319	-.357	.059	-.085	.632
300	183	-.015	.082	.392	-.525	300	234	-.496	.128	-.237	-1.398	300	320	-.327	.048	-.176	.542
300	184	-.018	.066	.232	-.480	300	235	-.270	.054	-.008	-.437	300	321	-.326	.049	-.135	.614
300	185	-.040	.059	.212	-.221	300	236	-.406	.127	-.176	-.069	300	322	-.391	.086	-.193	.812
300	186	-.020	.061	.297	-.226	300	237	-.000	.090	-.000	-.000	300	323	-.404	.088	-.209	.933
300	187	-.026	.062	.315	-.226	300	238	-.174	.102	-.376	-.432	300	324	-.360	.060	-.185	.639
300	188	-.043	.074	.401	-.347	300	239	-.315	.086	-.028	-.778	300	325	-.314	.045	-.162	.474
300	189	-.088	.068	.268	-.365	300	240	-.433	.117	-.143	-.250	300	326	-.310	.053	-.165	.606
300	190	-.053	.048	.161	-.241	300	241	-.000	.000	-.000	-.000	300	327	-.359	.105	-.137	1.041
300	191	-.022	.091	.388	-.239	300	242	-.342	.103	-.129	-.105	300	328	-.265	.074	-.105	.722
300	192	-.023	.062	.367	-.159	300	243	-.236	.080	-.258	-.469	300	329	-.326	.104	-.100	.890
300	193	.019	.051	.259	-.133	300	244	-.283	.081	-.023	-.640	300	330	-.276	.064	-.128	.584
300	194	.012	.045	.246	-.156	300	245	-.299	.069	-.040	-.645	300	331	-.249	.053	-.107	.591
300	195	-.149	.113	.496	-.505	300	246	-.187	.065	-.114	-.437	300	332	-.243	.044	-.095	.451
300	196	.187	.128	.555	-.351	300	247	-.314	.085	-.033	-.755	300	333	-.244	.065	-.078	.581
300	197	.200	.126	.584	-.272	300	248	-.281	.048	-.078	-.472	300	334	-.331	.077	-.116	.914
300	198	.193	.122	.581	-.272	300	249	-.340	.070	-.108	-.640	300	335	-.308	.065	-.094	.809
300	199	.207	.133	.602	-.247	300	250	-.266	.036	-.156	-.399	300	336	-.321	.065	-.074	.714
300	200	.124	.123	.503	-.311	300	251	-.234	.042	-.083	-.442	300	337	-.324	.059	-.117	.597
300	201	.417	.168	.932	-.206	300	252	-.189	.043	-.088	-.319	300	338	-.349	.059	-.168	.615
300	202	.188	.124	.538	-.187	300	253	-.219	.034	-.095	-.336	300	339	-.336	.068	-.107	.720
300	203	.425	.174	.939	-.142	300	254	-.433	.155	-.167	-1.030	300	340	-.366	.056	-.181	.634
300	204	.492	.189	1.072	-.059	300	255	-.400	.083	-.168	-.708	300	341	-.319	.044	-.128	.541
300	205	.372	.170	.856	-.130	300	256	-.000	.000	-.000	-.000	300	342	-.312	.042	-.166	.504
300	206	.083	.119	.456	-.364	300	257	-.413	.130	-.158	-.056	300	343	-.317	.042	-.154	.474
300	207	.325	.156	.896	-.119	300	258	-.348	.099	-.134	-.850	300	344	-.324	.047	-.109	.555
300	208	.347	.171	.958	-.064	300	259	-.343	.070	-.123	-.700	300	345	-.346	.047	-.141	.541
300	209	.176	.136	.686	-.166	300	260	-.195	.094	-.311	-.519	300	346	-.296	.040	-.148	.451
300	210	-.093	.080	.402	-.340	300	261	-.345	.102	-.156	-.853	300	347	-.292	.040	-.148	.474
300	211	.210	.133	.714	-.299	300	262	-.219	.048	-.035	-.447	300	348	-.306	.052	-.125	.559
300	212	.227	.158	.814	-.092	300	263	-.207	.039	-.065	-.399	300	349	-.312	.057	-.121	.584
300	213	-.073	.123	.674	-.215	300	264	-.263	.056	-.063	-.527	300	350	-.338	.062	-.100	.737
300	214	-.139	.069	.170	-.399	300	265	-.406	.083	-.066	-.714	300	351	-.210	.045	-.029	.413
300	215	.052	.078	.358	-.251	300	266	-.390	.100	-.005	-.781	300	352	-.166	.054	-.071	.393
300	216	.040	.095	.541	-.228	300	267	-.266	.080	-.083	-.572	300	353	-.227	.045	-.056	.390
300	217	-.048	.103	.414	-.274	300	268	-.453	.145	-.005	-.069	300	354	-.184	.052	-.027	.362
300	218	-.197	.073	.092	-.435	300	269	-.367	.134	-.079	-.317	300	355	-.299	.046	-.097	.490
300	219	-.054	.063	.180	-.299	300	270	-.481	.125	-.146	-.091	300	356	-.166	.064	-.179	.402
300	220	-.075	.060	.225	-.280	300	271	-.483	.173	-.192	-.419	300	357	-.136	.082	-.366	.359
300	221	-.144	.069	.236	-.366	300	272	-.380	.102	-.111	-.942	300	358	-.377	.068	-.161	.663
300	222	-.199	.060	.073	-.418	300	273	-.393	.112	-.105	-.918	300	359	-.358	.056	-.175	.620
300	223	-.113	.071	.166	-.491	300	274	-.385	.107	-.110	-.913	300	360	-.351	.052	-.180	.593
300	224	-.181	.039	.005	.320	300	275	-.374	.107	-.072	-.027	300	361	-.358	.049	-.174	.565
300	225	-.097	.089	.210	-.504	300	276	-.361	.108	-.107	-.068	300	362	-.358	.050	-.196	.534
300	226	-.065	.060	.302	-.279	300	277	-.361	.112	-.028	-.046	300	363	-.368	.047	-.214	.509
300	227	-.101	.053	.254	-.263	300	278	-.345	.084	-.126	-.829	300	364	-.381	.057	-.216	.624
300	228	-.122	.049	.289	-.273	300	279	-.373	.094	-.126	-.944	300	365	-.356	.045	-.215	.544
300	229	-.341	.091	-.071	-.903	300	280	-.333	.073	-.135	-.722	300	366	-.367	.031	-.179	498
300	230	0.000	0.000	0.000	0.000	300	281	-.207	.056	-.044	-.830	300	367	-.316	.042	-.179	
300	231	0.000	0.000	0.000	0.000	300	282	-.207	.056	-.044	-.830	300	368	0.000	0.000	0.000	

APPENDIX A -- PRESSURE DATA:

HINES ONE BUILDING -- MINNEAPOLIS , MINNESOTA

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
300	368	- .370	.049	- .234	- .617	300	504	- .288	.092	- .025	.685	300	554	- .318	.095	- .070	.707
300	369	- .359	.057	- .153	- .680	300	505	- .276	.094	- .059	- .620	300	555	- .370	.118	- .016	- 1.152
300	370	- .342	.053	- .157	- .544	300	506	- .239	.124	- .108	- .977	300	556	- .328	.084	- .105	- .692
300	371	- .335	.044	- .184	- .489	300	507	- .235	.095	- .064	- .619	300	557	- .371	.106	- .075	- .826
300	372	- .340	.037	- .223	- .483	300	508	- .208	.096	- .242	- 1.213	300	558	- .337	.079	- .090	- .662
300	373	- .215	.058	- .026	- .417	300	509	- .236	.112	- .120	- 1.243	300	559	- .338	.071	- .068	- .640
300	374	- .000	.000	- .000	- .000	300	510	- .566	.126	- .162	- 1.243	300	560	- .340	.063	- .096	- .567
300	375	- .132	.096	- .367	- .450	300	511	- .555	.152	- .071	- 1.341	300	561	- .326	.068	- .131	- .566
300	376	- .149	.071	- .221	- .357	300	512	- .481	.159	- .089	- 1.186	300	562	- .304	.073	- .171	- .620
300	378	- .181	.051	- .087	- .340	300	513	- .427	.170	- .100	- 1.338	300	563	- .359	.059	- .148	- .519
300	379	- .000	.000	- .000	- .000	300	514	- .396	.150	- .018	- 1.421	300	564	- .323	.045	- .168	- .480
300	380	- .323	.043	- .205	- .523	300	515	- .489	.114	- .150	- 1.118	300	565	- .320	.046	- .185	- .493
300	381	- .340	.044	- .220	- .542	300	516	- .278	.118	- .053	- 1.834	300	566	- .333	.062	- .052	- .665
300	382	- .292	.047	- .151	- .474	300	517	- .428	.106	- .163	- 1.153	300	567	- .331	.047	- .181	- .512
300	383	- .312	.044	- .168	- .524	300	518	- .439	.116	- .153	- 1.120	300	568	- .312	.044	- .172	- .546
300	384	- .354	.058	- .222	- .533	300	519	- .445	.136	- .014	- 1.866	300	569	- .298	.038	- .187	- .446
300	385	- .322	.046	- .181	- .627	300	520	- .413	.119	- .011	- 1.071	300	570	- .303	.039	- .191	- .489
300	386	- .328	.059	- .178	- .579	300	521	- .407	.147	- .061	- 1.071	300	571	- .320	.065	- .117	- .685
300	387	- .310	.050	- .181	- .538	300	522	- .384	.072	- .205	- 1.901	300	572	- .280	.045	- .097	- .464
300	388	- .287	.039	- .134	- .425	300	523	- .395	.072	- .214	- 1.804	300	573	- .273	.043	- .106	- .489
300	389	- .357	.058	- .220	- .685	300	524	- .422	.074	- .171	- 1.797	300	574	- .279	.043	- .093	- .530
300	390	- .356	.062	- .207	- .691	300	525	- .400	.071	- .070	- 1.663	300	575	- .283	.046	- .126	- .523
300	391	- .304	.041	- .174	- .502	300	526	- .412	.086	- .133	- 1.842	300	576	- .402	.081	- .062	- .770
300	392	- .364	.069	- .181	- .791	300	527	- .409	.073	- .100	- 1.724	300	577	- .319	.054	- .163	- .871
300	393	- .304	.049	- .080	- .473	300	528	- .417	.068	- .048	- 1.855	300	578	- .310	.043	- .174	- .631
300	394	- .373	.080	- .143	- .749	300	529	- .392	.066	- .149	- 1.636	300	579	- .300	.041	- .181	- .575
300	395	- .325	.054	- .142	- .550	300	530	- .397	.069	- .167	- 1.660	300	580	- .293	.061	- .068	- .637
300	396	- .288	.035	- .154	- .423	300	531	- .361	.083	- .118	- 1.740	300	581	- .299	.075	- .085	- .617
300	397	- .303	.033	- .168	- .434	300	532	- .420	.067	- .201	- 1.667	300	582	- .263	.061	- .056	- .480
300	398	- .235	.037	- .083	- .389	300	533	- .396	.074	- .147	- 1.740	300	583	- .281	.062	- .098	- .525
300	399	- .273	.041	- .094	- .420	300	534	- .405	.086	- .155	- 1.808	300	584	- .297	.068	- .098	- .610
300	400	- .198	.043	- .020	- .374	300	535	- .369	.066	- .182	- 1.936	300	585	- .285	.066	- .093	- .607
300	401	- .238	.052	- .000	- .488	300	536	- .392	.063	- .222	- 1.676	300	586	- .297	.068	- .098	- .661
300	402	- .157	.042	- .019	- .287	300	537	- .414	.065	- .247	- 1.727	300	587	- .316	.071	- .116	- .542
300	403	- .197	.058	- .097	- .401	300	538	- .379	.060	- .176	- 1.592	300	588	- .325	.054	- .130	- .527
300	404	- .341	.054	- .208	- .574	300	539	- .336	.069	- .105	- 1.574	300	589	- .326	.050	- .151	- .712
300	405	- .345	.051	- .137	- .573	300	540	- .375	.074	- .203	- 1.891	300	590	- .320	.053	- .174	- .482
300	406	- .286	.042	- .046	- .440	300	541	- .401	.087	- .222	- 1.987	300	591	- .319	.043	- .153	- .454
300	407	- .322	.051	- .171	- .546	300	542	- .424	.076	- .241	- 1.736	300	592	- .314	.039	- .178	- .454
300	408	- .370	.068	- .151	- .696	300	543	- .323	.063	- .048	- 1.558	300	593	- .306	.041	- .167	- .454
300	409	- .351	.056	- .185	- .642	300	544	- .290	.062	- .050	- 1.516	300	594	- .297	.041	- .148	- .442
300	410	- .294	.046	- .126	- .489	300	545	- .348	.133	- .102	- 1.540	300	595	- .291	.037	- .158	- .429
300	411	- .352	.066	- .179	- .664	300	546	- .378	.162	- .055	- 1.643	300	596	- .290	.038	- .176	- .439
300	412	- .367	.103	- .005	- .933	300	547	- .360	.083	- .055	- 1.861	300	597	- .277	.039	- .116	- .414
300	413	- .299	.049	- .129	- .459	300	548	- .244	.053	- .021	- 1.455	300	598	- .266	.040	- .083	- .444
300	414	- .355	.115	- .112	- .900	300	549	- .190	.075	- .163	- 1.442	300	599	- .267	.048	- .085	- .512
300	415	- .228	.065	- .005	- .442	300	550	- .389	.128	- .047	- 1.025	300	600	- .269	.045	- .093	- .499
300	501	- .337	.136	- .115	- .842	300	551	- .357	.121	- .043	- 1.006	300	601	- .254	.042	- .068	- .419
300	502	- .544	.122	- .140	- .925	300	552	- .346	.112	- .050	- 1.928	300	602	- .238	.044	- .065	- .437
300	503	- .587	.087	- .287	- .938	300	553	- .305	.102	.007	- .865	300	603	- .265	.066	- .008	- .600

APPENDIX A -- PRESSURE DATA:

HINES ONE BUILDING -- MINNEAPOLIS , MINNESOTA

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
300	606	- .267	.064	- .048	- .484	300	743	- .284	.039	- .123	- .439	300	839	.000	.000	.000	.000
300	608	- .235	.054	- .065	- .462	300	744	- .306	.041	- .149	- .493	300	840	.000	.000	.000	.000
300	609	- .261	.058	- .030	- .499	300	745	- .327	.042	- .198	- .571	300	841	.076	.053	.340	-.076
300	610	- .269	.053	- .070	- .477	300	746	- .171	.054	- .046	- .399	300	842	-.192	.099	.239	-.478
300	612	- .277	.067	- .010	- .607	300	747	- .325	.050	- .150	- .608	300	843	-.189	.138	.324	-.813
300	613	- .270	.054	- .078	- .519	300	748	- .273	.067	- .012	- .594	300	844	-.000	.000	.000	.000
300	614	- .263	.052	- .088	- .457	300	749	- .301	.064	- .124	- .639	300	845	-.095	.152	.574	-.709
300	701	- .232	.049	- .050	- .412	300	750	- .233	.075	- .007	- .557	300	846	- .134	.128	.329	-.752
300	701	- .314	.046	- .161	- .510	300	751	- .287	.092	- .065	- .707	300	847	- .196	.109	.228	-.646
300	703	- .289	.059	- .059	- .562	300	752	- .302	.045	- .166	- .489	300	848	- .231	.101	.376	-.648
300	704	- .296	.053	- .125	- .565	300	753	- .306	.040	- .166	- .454	300	849	-.062	.199	.618	-.899
300	705	- .120	.111	- .344	- .415	300	754	- .306	.055	- .107	- .508	300	850	- .251	.083	.298	-.564
300	706	- .122	.123	- .429	- .508	300	801	- .267	.109	- .267	- .835	300	851	-.080	.148	.449	-.567
300	707	- .255	.064	- .066	- .520	300	802	- .317	.096	- .104	- .805	300	852	-.084	.109	.300	-.467
300	708	- .208	.092	- .151	- .588	300	803	- .484	.188	- .111	- .682	300	853	- .162	.063	.130	-.436
300	709	- .250	.082	- .116	- .600	300	804	- .376	.124	- .000	- .102	300	854	- .258	.052	.020	-.544
300	710	- .289	.064	- .000	- .576	300	805	- .449	.137	- .076	- .457	300	855	-.139	.114	.405	-.501
300	711	- .233	.093	.291	- .629	300	806	- .282	.092	- .197	- .658	300	856	-.139	.082	.231	-.423
300	712	- .306	.080	- .050	- .617	300	807	- .317	.079	- .061	- .656	300	857	-.198	.054	.089	-.446
300	713	- .052	.120	- .495	- .363	300	808	- .348	.052	- .194	- .642	300	858	-.269	.048	-.093	-.517
300	714	- .069	.107	- .413	- .356	300	810	- .364	.046	- .231	- .576	300	859	-.196	.062	.074	-.425
300	715	- .232	.090	- .125	- .565	300	811	- .367	.046	- .229	- .637	300	860	- .254	.055	.160	-.553
300	716	- .108	.095	- .333	- .378	300	812	- .380	.048	- .246	- .599	300	861	- .162	.063	.123	-.354
300	717	- .147	.104	- .247	- .484	300	813	- .409	.056	- .263	- .703	300	862	- .145	.063	.215	-.327
300	718	- .292	.111	- .164	- .792	300	814	- .434	.073	- .194	- .739	300	863	- .162	.052	.071	-.358
300	720	- .270	.107	- .232	- .692	300	815	- .441	.076	- .232	- .849	300	864	- .217	.047	.015	-.435
300	721	- .208	.088	- .327	- .593	300	816	- .357	.049	- .221	- .606	300	865	-.536	.075	.289	-.879
300	722	- .218	.062	- .157	- .415	300	817	- .434	.083	- .246	- .905	300	866	- .534	.101	-.137	-.030
300	723	- .246	.050	- .026	- .433	300	818	- .226	.041	- .193	- .421	300	867	-.078	.101	.078	-.875
300	724	- .145	.050	- .083	- .345	300	819	- .354	.046	- .205	- .635	300	868	-.564	.073	.326	-.867
300	725	- .254	.072	- .026	- .666	300	820	- .412	.075	- .226	- .728	300	869	-.564	.078	.231	-.871
300	726	- .266	.085	- .166	- .674	300	821	- .483	.129	- .180	- .361	300	870	-.530	.080	.078	-.677
300	727	- .294	.082	- .099	- .728	300	822	- .346	.043	- .229	- .588	300	871	-.361	.052	.155	-.542
300	728	- .382	.067	- .162	- .738	300	823	- .356	.042	- .246	- .604	300	872	-.319	.051	.122	-.539
300	729	- .346	.065	- .146	- .695	300	824	- .353	.042	- .229	- .573	300	873	-.316	.049	.154	-.505
300	730	- .327	.060	- .173	- .793	300	825	- .338	.047	- .182	- .507	300	874	-.340	.054	.167	-.625
300	731	- .321	.066	- .113	- .669	300	826	- .346	.046	- .205	- .505	300	875	-.384	.070	.204	-.704
300	732	- .282	.045	- .110	- .491	300	827	- .466	.080	- .241	- .825	300	876	-.507	.104	.198	-.879
300	733	- .299	.051	- .085	- .524	300	828	- .491	.097	- .143	- .996	300	877	-.709	.143	.346	-.403
300	734	- .299	.043	- .124	- .537	300	829	- .463	.110	- .005	- .977	300	878	-.326	.044	.172	-.456
300	735	- .288	.046	- .111	- .541	300	830	- .366	.135	- .124	- .827	300	879	-.519	.109	.185	-.960
300	736	- .313	.053	- .117	- .681	300	831	- .199	.223	- .820	- .935	300	880	-.335	.038	.225	-.463
300	737	- .320	.042	- .173	- .529	300	832	- .454	.074	- .238	- .816	300	881	-.213	.033	.063	-.474
300	738	- .305	.047	- .129	- .574	300	833	- .170	.236	- .807	- .056	300	882	-.141	.074	.047	-.750
300	739	- .304	.037	- .176	- .447	300	834	- .451	.083	- .195	- .879	300	883	-.451	.228	.000	-.150
300	740	- .264	.027	- .156	- .347	300	835	- .426	.072	- .196	- .712	300	884	-.656	.146	.132	-.281
300	741	- .286	.046	- .098	- .454	300	836	- .401	.087	- .071	- .683	300	885	-.282	.038	.144	-.411
300	742	- .302	.037	- .163	- .457	300	837	- .000	.000	- .000	- .000	300	886	-.183	.036	.039	-.385
300	742	- .000	.037	- .163	- .457	300	838	- .187	.175	.503	.927	300	887	-.105	.055	.052	-.559

APPENDIX A -- PRESSURE DATA:

HINES ONE BUILDING -- MINNEAPOLIS , MINNESOTA

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
125	- 283	.209	.166	- 1.077		315	175	.177	.116	.596	-.066	315	225	-.064	.100	.292	.503
126	- 578	.170	-.089	- 1.256		315	176	.267	.134	.737	-.066	315	226	-.014	.066	.222	.255
127	- 480	.213	.164	- 1.096		315	177	.309	.143	.760	-.031	315	228	-.084	.059	.279	.240
128	- 238	.196	.096	- .978		315	178	.305	.156	.794	-.154	315	229	-.102	.056	.223	.241
129	- 320	.243	.193	- 1.165		315	179	-.094	.144	.96	-.406	315	230	-.425	.060	.179	.785
130	- 478	.218	.113	- 1.263		315	180	.196	.109	.531	-.166	315	231	-.000	.000	.056	.000
131	- 443	.146	-.037	- 1.025		315	181	.203	.117	.736	-.174	315	232	-.426	.056	.048	.618
132	- 332	.238	.084	- 1.199		315	182	.141	.112	.658	-.254	315	233	-.178	.153	.311	.588
133	- 440	.225	.113	- 1.151		315	183	-.105	.085	.295	-.395	315	234	-.469	.061	.317	.925
134	- 512	.165	-.082	- 1.119		315	184	-.067	.086	.481	-.310	315	235	-.454	.051	.255	.628
135	- 245	.041	-.074	- .387		315	185	.092	.087	.541	-.165	315	236	-.481	.080	.273	.885
136	- 198	.031	-.086	- .315		315	186	.085	.085	.482	-.141	315	237	-.000	.000	.000	.000
137	- 110	.044	-.034	- .389		315	187	.015	.086	.419	-.292	315	238	-.420	.063	.065	.631
138	- 188	.178	.096	- 1.020		315	188	-.014	.076	.363	-.221	315	239	-.359	.107	.180	.675
139	- 512	.175	-.022	- 1.324		315	189	-.021	.059	.223	-.216	315	240	-.443	.063	.273	.780
140	- 234	.043	-.020	- .401		315	190	.038	.072	.387	-.138	315	241	-.000	.000	.000	.000
141	- 203	.031	-.095	- .333		315	191	.124	.077	.394	-.085	315	242	-.459	.093	.204	1.013
142	- 141	.032	-.034	- .267		315	192	.131	.079	.457	-.071	315	243	-.394	.059	.170	.658
143	- 138	.085	.054	- .885		315	193	.119	.076	.487	-.057	315	244	-.338	.112	.220	.775
144	- 491	.154	-.074	- 1.162		315	194	-.377	.091	.996	-.830	315	245	-.430	.075	.032	.758
145	- 248	.047	-.088	- .428		315	195	-.010	.130	.632	-.198	315	246	-.202	.044	.025	.367
146	- 189	.030	-.089	- .327		315	196	.110	.116	.530	-.236	315	247	-.398	.063	.208	.740
147	- 135	.031	-.027	- .260		315	197	.069	.108	.429	-.277	315	248	-.305	.045	.095	.475
148	- 118	.042	-.020	- .296		315	198	.030	.099	.339	-.284	315	249	-.436	.066	.254	.725
149	- 286	.103	-.007	- .793		315	199	.077	.082	.214	-.335	315	250	-.315	.037	.191	.485
150	- 235	.043	-.092	- .406		315	200	-.010	.480	.624	-.051	315	251	-.308	.045	.150	.495
151	- 171	.085	.135	-.477		315	201	-.010	.078	.266	-.293	315	252	-.189	.050	.170	.335
152	- 219	.043	-.025	- .436		315	202	.509	.152	.959	-.088	315	253	-.307	.045	.164	.471
153	- 163	.035	-.041	- .296		315	203	.460	.142	.930	-.030	315	254	-.507	.076	.292	.855
154	- 082	.042	.083	-.207		315	204	.239	.113	.627	-.149	315	255	-.461	.058	.300	.785
155	- 041	.053	.140	-.179		315	205	-.058	.074	.206	-.323	315	256	-.000	.000	.000	.000
156	- 102	.086	.249	-.454		315	206	-.027	.442	.75	-.150	315	257	-.498	.079	.249	1.169
157	- 258	.064	-.029	- .486		315	207	-.027	.163	.914	-.046	315	258	-.482	.099	.249	1.222
158	- 075	.084	.213	-.375		315	208	.393	.125	.599	-.172	315	259	-.446	.064	.273	.818
159	- 019	.092	.241	-.345		315	209	.179	.071	.163	-.314	315	260	-.416	.064	.108	.715
160	- 036	.102	.316	-.242		315	210	-.104	.071	.163	-.314	315	261	-.463	.094	.244	.994
161	- 124	.120	.452	-.207		315	211	.280	.176	.929	-.330	315	262	-.327	.060	.108	.590
162	- 207	.076	.039	- .468		315	212	.242	.149	.760	-.106	315	263	-.311	.066	.125	.595
163	- 394	.166	.928	-.044		315	213	.042	.116	.574	-.253	315	264	-.338	.072	.007	.586
164	- 196	.091	.169	-.546		315	214	-.172	.065	.140	-.367	315	265	-.573	.064	.370	.940
165	- 220	.113	.666	-.099		315	215	.079	.141	.537	-.503	315	301	-.580	.064	.366	.845
166	- 355	.135	.819	-.022		315	216	.055	.097	.450	-.177	315	302	-.564	.075	.353	.826
167	- 435	.150	.916	-.010		315	217	-.112	.077	.253	-.360	315	303	-.589	.082	.341	1.152
168	- 483	.184	1.072	-.235	1	315	218	.274	.052	.066	-.447	315	304	-.583	.084	.316	1.139
169	- 144	.107	.224	-.486		315	219	-.092	.102	.295	-.526	315	305	-.593	.101	.215	1.113
170	- 203	.128	.691	-.137		315	220	-.070	.055	.181	-.345	315	306	-.590	.121	.136	1.371
171	- 307	.147	.759	-.064		315	221	-.183	.043	-.025	-.376	315	308	-.544	.090	.284	936
172	- 376	.151	.874	-.007		315	222	-.246	.037	-.108	-.401	315	309	-.565	.111	.239	1.142
173	- 408	.166	.912	-.046		315	223	-.122	.088	.207	-.576	315	310	-.569	.114	.200	1.094
174	- .093	.109	.257	-.498		315	224	-.158	.040	.005	-.287	315	311	-.560	.109	.266	1.319

APPENDIX A -- PRESSURE DATA:

HINES ONE BUILDING -- MINNEAPOLIS, MINNESOTA

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
315	312	- .557	.095	- .219	- 1.121	315	362	- .502	.053	- .191	- .712	315	413	- .328	.058	- .112	- .572
315	313	- .547	.097	- .217	- 1.331	315	363	- .460	.065	- .211	- .727	315	414	- .289	.058	- .009	- 1.075
315	314	- .552	.099	- .219	- 1.919	315	364	- .492	.048	- .253	- .645	315	415	- .310	.103	- .076	- .527
315	315	- .530	.091	- .302	- 1.038	315	365	- .412	.067	- 1.139	- .688	315	501	- .451	.099	- .068	- .801
315	316	- .567	.108	- .265	- 1.099	315	366	- .417	.058	- .176	- .622	315	502	- .575	.103	- .204	- .934
315	317	- .534	.071	- .144	- 1.923	315	367	- .394	.049	- .213	- .581	315	503	- .585	.076	- .351	- .915
315	318	- .532	.080	- .283	- 1.021	315	368	- .476	.051	- .304	- .687	315	504	- .408	.094	- .093	- .678
315	319	- .540	.074	- .275	- 1.997	315	369	- .365	.081	- .047	- .716	315	505	- .542	.079	- .253	- .869
315	320	- .555	.073	- .361	- 1.852	315	370	- .370	.071	- 1.133	- .619	315	506	- .361	.081	- .070	- .647
315	321	- .539	.107	- .290	- 1.213	315	371	- .367	.058	- .166	- .591	315	507	- .406	.051	- .334	- .673
315	322	- .539	.096	- .317	- 1.158	315	372	- .394	.048	- .221	- .566	315	508	- .492	.058	- .262	- .742
315	323	- .549	.093	- .335	- 1.199	315	373	- .333	.096	- .026	- .721	315	510	- .497	.066	- .253	- .845
315	324	- .562	.086	- .346	- 1.976	315	374	- .000	.000	- .000	- .000	315	511	- .498	.079	- .208	- 1.053
315	325	- .537	.091	- .292	- 1.951	315	375	- .340	.102	- .062	- .757	315	512	- .476	.084	- .191	- 1.980
315	326	- .556	.117	- .304	- 1.047	315	376	- .314	.088	- .019	- .826	315	513	- .487	.106	- 1.162	- 1.022
315	327	- .489	.102	- .263	- 1.161	315	377	- .297	.072	- .000	- .650	315	514	- .485	.113	- .188	- .984
315	328	- .474	.120	- .184	- 1.061	315	378	- .300	.073	- .041	- .613	315	515	- .450	.050	- .294	- .688
315	329	- .479	.116	- .190	- 1.339	315	379	- .446	.061	- .270	- .839	315	516	- .347	.074	- .132	- .703
315	330	- .461	.100	- .227	- 1.094	315	380	- .459	.058	- .260	- .742	315	517	- .431	.050	- .275	- .681
315	331	- .443	.097	- .189	- 1.937	315	381	- .342	.051	- 1.152	- .491	315	518	- .430	.049	- .282	- .688
315	332	- .434	.094	- .196	- 1.885	315	382	- .429	.062	- .158	- .782	315	519	- .443	.052	- .287	- .713
315	333	- .436	.115	- .180	- 1.104	315	383	- .493	.086	- .282	- .961	315	520	- .465	.052	- .314	- .664
315	334	- .522	.079	- .244	- 1.819	315	384	- .396	.040	- .267	- .530	315	521	- .461	.065	- .273	- .733
315	335	- .524	.072	- .277	- 1.959	315	385	- .438	.067	- .256	- .800	315	522	- .401	.045	- .273	- .594
315	336	- .516	.068	- .301	- 1.781	315	386	- .384	.055	- .234	- .610	315	523	- .449	.045	- .309	- .630
315	337	- .499	.064	- .243	- 1.919	315	387	- .336	.064	- .000	- .609	315	524	- .460	.054	- .273	- .703
315	338	- .480	.067	- .277	- 1.736	315	388	- .490	.080	- .243	- .949	315	525	- .455	.059	- .251	- .724
315	339	- .533	.079	- .299	- 1.779	315	389	- .459	.091	- .271	- .916	315	526	- .460	.058	- .267	- .736
315	340	- .433	.069	- .170	- 1.718	315	390	- .480	.049	- .253	- .640	315	527	- .460	.053	- .291	- .705
315	341	- .527	.079	- .313	- 1.860	315	391	- .423	.094	- .148	- .975	315	528	- .470	.051	- .314	- .662
315	342	- .473	.067	- .283	- 1.755	315	392	- .331	.056	- .124	- .565	315	529	- .465	.051	- .307	- .668
315	343	- .457	.068	- 1.633	- 1.714	315	393	- .425	.167	- .109	- 1.233	315	530	- .458	.053	- .307	- .611
315	344	- .425	.073	- 1.311	- 1.675	315	394	- .355	.056	- 1.168	- .633	315	531	- .474	.051	- .314	- .664
315	345	- .400	.074	- .079	- 1.683	315	395	- .333	.048	- 1.143	- .523	315	532	- .466	.056	- .305	- .697
315	346	- .518	.087	- .264	- 1.864	315	396	- .372	.044	- 1.160	- .601	315	533	- .466	.057	- .298	- .730
315	347	- .478	.074	- .181	- 1.721	315	397	- .284	.054	- .074	- .558	315	534	- .458	.057	- .242	- .634
315	348	- .441	.079	- .174	- 1.776	315	398	- .328	.062	- .071	- .706	315	535	- .407	.047	- .248	- .626
315	349	- .408	.083	- .117	- 1.745	315	399	- .262	.062	- .060	- .631	315	536	- .412	.044	- .285	- .649
315	350	- .387	.098	- .103	- 1.836	315	400	- .290	.078	- .010	- .732	315	537	- .448	.047	- .285	- .649
315	351	- .415	.088	- .170	- 1.798	315	401	- .230	.057	- .007	- .446	315	538	- .473	.056	- .303	- .706
315	352	- .334	.110	- .014	- 1.058	315	402	- .242	.073	- .087	- .723	315	539	- .478	.061	- .303	- .813
315	353	- .405	.088	- .141	- 1.801	315	403	- .466	.080	- .222	- .934	315	540	- .420	.044	- .271	- .630
315	354	- .364	.077	- .064	- 1.729	315	404	- .419	.066	- .200	- .754	315	541	- .425	.047	- .262	- .783
315	355	- .350	.060	- .111	- 1.685	315	405	- .339	.057	- .097	- .551	315	542	- .438	.045	- .303	- .661
315	356	- .380	.097	.047	- 1.731	315	406	- .407	.045	- .258	- .780	315	543	- .478	.067	- .190	- .763
315	357	- .364	.125	- 1.64	- 1.941	315	407	- .445	.105	- .041	- .972	315	544	- .514	.072	- .096	- .763
315	358	- .499	.062	- .191	- 1.725	315	408	- .377	.062	- .131	- .644	315	545	- .410	.056	- .237	- .665
315	359	- .510	.060	- .275	- 1.748	315	409	- .347	.054	- .100	- .539	315	546	- .419	.050	- .291	- .627
315	360	- .511	.059	- .270	- 1.760	315	410	- .417	.091	- .090	- .874	315	547	- .428	.047	- .276	- .580
315	361	- .512	.058	- .313	- 1.763	315	411	- .349	.112	.036	- .984	315	548	- .420	.047	- .276	- .580

APPENDIX A -- PRESSURE DATA:

HINES ONE BUILDING -- MINNEAPOLIS , MINNESOTA

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
548	- .396	.046	- .187	- .610	315	600	- .270	.044	- .078	- .458	315	737	- .392	.053	- .234	- .615	
549	- .380	.051	- .055	- .555	315	601	- .265	.063	- .025	- .468	315	738	- .372	.049	- .209	- .596	
550	- .451	.101	- .148	- .849	315	602	- .251	.053	- .007	- .434	315	739	- .385	.051	- .241	- .628	
551	- .429	.089	- .165	- 1.136	315	603	- .242	.049	- .085	- .438	315	740	- .313	.037	- .184	- .466	
552	- .423	.080	- .162	- .960	315	604	- .231	.050	- .050	- .418	315	741	- .335	.063	- .091	- .620	
553	- .381	.062	- .134	- 1.252	315	605	- .323	.092	- .040	- .750	315	742	- .362	.052	- .131	- .603	
554	- .373	.062	- .179	- .719	315	606	- .306	.082	- .047	- .750	315	743	- .333	.055	- .102	- .584	
555	- .446	.079	- .161	- .790	315	608	- .276	.072	- .038	- .618	315	744	- .347	.049	- .160	- .552	
556	- .407	.056	- .198	- .589	315	609	- .311	.060	- .118	- .688	315	745	- .386	.055	- .231	- .737	
557	- .445	.054	- .273	- .697	315	610	- .295	.055	- .082	- .693	315	746	- .347	.073	- .121	- .672	
558	- .427	.043	- .289	- .648	315	611	- .000	.000	- .000	- .000	315	747	- .363	.052	- .194	- .855	
559	- .425	.042	- .290	- .620	315	612	- .290	.063	- .133	- .758	315	748	- .341	.070	- .100	- .843	
560	- .433	.042	- .289	- .614	315	613	- .270	.060	- .068	- .710	315	749	- .334	.073	- .134	- .035	
561	- .434	.050	- .246	- .596	315	614	- .268	.055	- .080	- .576	315	750	- .312	.066	- .057	- .797	
562	- .447	.050	- .267	- .605	315	701	- .407	.052	- .228	- .590	315	751	- .274	.069	- .059	- .791	
563	- .431	.042	- .274	- .566	315	702	- .439	.065	- .191	- .776	315	752	- .383	.054	- .189	- .600	
564	- .431	.040	- .291	- .585	315	703	- .419	.065	- .199	- .725	315	753	- .370	.053	- .110	- .596	
565	- .396	.040	- .234	- .535	315	704	- .421	.058	- .257	- .705	315	754	- .340	.060	- .112	- .548	
566	- .397	.052	- .206	- .654	315	705	- .377	.069	- .078	- .63995	315	801	- .548	.089	- .084	- .1067	
567	- .460	.047	- .287	- .6550	315	706	- .408	.060	- .039	- .595	315	802	- .547	.084	- .209	- .1234	
568	- .436	.039	- .316	- .587	315	707	- .415	.049	- .241	- .590	315	803	- .576	.142	- .099	- .510	
569	- .405	.040	- .253	- .542	315	708	- .414	.055	- .199	- .722	315	804	- .575	.079	- .254	- .323	
570	- .370	.040	- .170	- .506	315	709	- .424	.058	- .235	- .64322	315	805	- .585	.070	- .355	- .985	
571	- .373	.064	- .131	- .634	315	710	- .431	.048	- .285	- .636	315	806	- .565	.071	- .281	- .892	
572	- .483	.056	- .216	- .707	315	711	- .429	.064	- .204	- .838	315	807	- .569	.068	- .330	- .946	
573	- .411	.044	- .184	- .569	315	712	- .436	.057	- .275	- .720	315	808	- .533	.055	- .369	- .790	
574	- .371	.043	- .139	- .524	315	713	- .315	.093	- .221	- .572	315	809	- .547	.059	- .360	- .786	
575	- .341	.048	- .118	- .521	315	714	- .309	.110	- .354	- .572	315	810	- .563	.061	- .369	- .810	
576	- .338	.068	- .130	- .623	315	715	- .405	.063	- .218	- .657	315	811	- .558	.059	- .365	- .776	
577	- .430	.049	- .272	- .673	315	716	- .358	.081	- .078	- .633	315	812	- .545	.057	- .341	- .753	
578	- .348	.044	- .177	- .498	315	717	- .398	.088	- .182	- .839	315	813	- .529	.054	- .334	- .716	
579	- .362	.046	- .186	- .536	315	718	- .418	.062	- .161	- .694	315	814	- .541	.051	- .366	- .738	
580	- .369	.062	- .150	- .608	315	720	- .400	.073	- .105	- .679	315	815	- .539	.055	- .383	- .833	
581	- .376	.086	- .040	- .668	315	721	- .296	.103	- .092	- .724	315	816	- .525	.053	- .336	- .769	
582	- .350	.059	- .167	- .603	315	722	- .320	.083	- .074	- .572	315	817	- .375	.060	- .218	- .767	
583	- .333	.065	- .118	- .626	315	723	- .333	.073	- .005	- .615	315	818	- .571	.068	- .392	- .980	
584	- .372	.073	- .148	- .663	315	724	- .211	.077	- .119	- .443	315	819	- .534	.061	- .329	- .743	
585	- .369	.069	- .148	- .603	315	725	- .407	.050	- .224	- .581	315	820	- .482	.056	- .287	- .684	
586	- .366	.061	- .140	- .573	315	726	- .427	.055	- .165	- .641	315	821	- .501	.064	- .288	- .786	
587	- .387	.050	- .224	- .571	315	727	- .387	.058	- .135	- .654	315	822	- .510	.072	- .355	- .025	
588	- .421	.044	- .273	- .583	315	728	- .462	.052	- .280	- .694	315	823	- .545	.071	- .374	- .077	
589	- .413	.043	- .267	- .558	315	729	- .462	.052	- .280	- .694	315	824	- .494	.059	- .301	- .724	
590	- .403	.044	- .246	- .553	315	730	- .435	.048	- .272	- .625	315	825	- .442	.055	- .239	- .632	
591	- .375	.045	- .228	- .525	315	731	- .400	.049	- .278	- .615	315	826	- .458	.054	- .252	- .693	
592	- .360	.042	- .202	- .521	315	732	- .415	.055	- .208	- .650	315	827	- .580	.063	- .379	- .896	
593	- .352	.046	- .181	- .526	315	733	- .380	.046	- .225	- .662	315	828	- .570	.065	- .372	- .931	
594	- .346	.046	- .178	- .510	315	734	- .334	.058	- .088	- .527	315	829	- .567	.081	- .311	- .076	
595	- .311	.047	- .105	- .485	315	735	- .362	.045	- .218	- .510	315	830	- .566	.092	- .191	- .158	
596	- .289	.042	- .145	- .481	315	736	- .329	.046	- .170	- .489	315	831	- .533	.148	- .449	- .146	
597	- .278	.044	- .085	- .468	315	737	- .371	.044	- .229	- .561	315	832	- .568	.072	- .376	- .887	

APPENDIX A -- PRESSURE DATA:

HINES ONE BUILDING -- MINNEAPOLIS , MINNESOTA

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
315	833	- .530	.166	.196	-1.460	330	119	- .014	.070	.213	-.206	330	169	.107	.134	.531	-.269
315	834	- .544	.085	-.301	-.857	330	120	-.006	.122	.318	-.587	330	170	.344	.140	.824	-.007
315	835	- .503	.066	-.282	-.743	330	121	-.336	.186	.230	-1.001	330	171	.404	.148	.903	-.073
315	836	- .523	.071	-.221	-.957	330	122	-.286	.042	-.118	-.452	330	172	.439	.148	1.008	-.097
315	837	-.000	.000	.000	-1.174	330	123	-.130	.055	.050	-.291	330	173	.398	.144	.937	-.009
315	838	-.550	.143	.378	-.000	330	124	-.001	.075	.271	-.205	330	174	.052	.127	.503	-.295
315	839	-.000	.000	.000	-.000	330	125	-.010	.156	.398	-.690	330	175	.268	.126	.698	-.024
315	840	-.000	.000	.000	-.000	330	126	-.281	.182	.422	-1.053	330	176	.345	.134	.794	-.024
315	841	-.026	.029	.082	-.157	330	127	-.130	.227	.420	-1.217	330	177	.359	.135	.828	-.030
315	842	-.492	.069	.259	-.738	330	128	-.007	.134	.330	-.686	330	178	.292	.138	.761	-.080
315	843	.540	.137	-.085	-1.204	330	129	-.046	.175	.553	-.790	330	179	-.001	.107	.403	-.321
315	844	-.000	.000	.000	-.000	330	130	-.099	.222	.591	-.779	330	180	.156	.105	.624	-.066
315	845	-.418	.200	.559	-.957	330	131	-.178	.156	.397	-.739	330	181	.205	.109	.719	-.023
315	846	-.380	.205	.390	-.966	330	132	-.007	.158	.443	-.743	330	182	.218	.115	.685	-.040
315	847	-.374	.180	.202	-.931	330	133	-.097	.216	.401	-1.015	330	183	.164	.128	.689	-.200
315	848	.387	.143	.191	-.990	330	134	-.260	.181	.290	-1.018	330	184	-.098	.088	.289	-.383
315	849	-.459	.161	.465	-.950	330	135	-.324	.040	-.194	-.451	330	185	-.079	.073	.485	-.168
315	850	-.409	.123	.126	-.836	330	136	-.211	.037	-.040	-.333	330	186	.120	.080	.478	-.129
315	851	-.481	.139	.395	-.861	330	137	-.067	.061	.157	-.223	330	187	.131	.092	.573	-.117
315	852	-.403	.173	.334	-.875	330	138	-.016	.115	.334	-.756	330	188	.052	.115	.663	-.244
315	853	.313	.146	.208	-.781	330	139	-.288	.171	.300	-.836	330	189	.020	.076	.320	-.302
315	854	-.409	.100	-.058	-.766	330	140	-.360	.048	-.196	-.507	330	190	.023	.099	.521	-.217
315	855	-.399	.134	.263	-.779	330	141	-.272	.033	-.138	-.379	330	191	.037	.086	.399	-.290
315	856	-.302	.153	.296	-.739	330	142	-.152	.040	-.021	-.271	330	192	.152	.078	.455	-.032
315	857	-.266	.128	.243	-.744	330	143	-.107	.099	.106	-.758	330	193	.171	.080	.481	-.018
315	858	-.365	.091	-.040	-.761	330	144	-.377	.163	.068	-.910	330	194	.162	.078	.464	-.025
315	859	-.293	.115	.186	-.626	330	145	-.381	.046	.218	-.543	330	195	.477	.058	.327	-.758
315	860	-.333	.074	-.024	-.734	330	146	-.260	.032	-.137	-.390	330	196	.015	.135	.401	-.633
315	861	-.264	.098	.194	-.543	330	147	-.165	.035	-.054	-.291	330	197	-.026	.096	.272	-.349
315	862	-.255	.108	.236	-.490	330	148	-.129	.057	.033	-.578	330	198	-.078	.088	.168	-.374
315	863	-.226	.096	.174	-.527	330	149	-.269	.119	-.119	-.873	330	199	.130	.081	.171	-.519
315	864	-.303	.074	-.031	-.557	330	150	-.330	.040	-.197	-.480	330	200	.221	.065	.039	-.526
315	101	-.578	.087	.301	-.880	330	151	-.179	.116	.127	-.687	330	201	.307	.161	.854	-.378
315	102	-.585	.103	.250	-.967	330	152	-.318	.040	-.166	-.469	330	202	.160	.057	.048	-.370
315	103	-.521	.112	.156	-.985	330	153	-.187	.040	-.050	-.333	330	203	.326	.187	.901	-.350
315	104	-.589	.084	.326	-.932	330	154	-.061	.054	.138	-.224	330	204	.313	.134	.773	-.079
315	105	-.604	.087	.349	-.975	330	155	-.015	.073	-.222	-.361	330	205	.072	.093	.347	-.211
315	106	-.561	.087	.278	-.930	330	156	-.113	.133	.269	-.744	330	206	-.191	.052	-.005	-.343
315	107	-.424	.091	.135	-.858	330	157	-.119	.092	.225	-.427	330	207	.268	.173	.790	-.410
315	108	-.364	.048	.186	-.512	330	158	-.006	.103	.345	-.376	330	208	.266	.117	.692	-.091
315	109	-.318	.052	.088	-.515	330	159	-.028	.109	.340	-.311	330	209	.035	.084	.378	-.179
315	110	-.303	.053	.109	-.552	330	160	-.074	.117	.432	-.301	330	210	-.227	.048	.041	-.365
315	111	-.297	.055	.113	-.598	330	161	-.128	.129	.552	-.276	330	211	.176	.171	.680	-.462
315	112	-.280	.058	.090	-.587	330	162	-.032	.119	.482	-.463	330	212	.180	.106	.565	-.109
315	113	-.284	.074	.033	-.875	330	163	.389	.165	.842	-.111	330	213	-.056	.071	.206	-.238
315	114	-.560	.114	-.144	-.034	330	164	-.071	.152	.517	-.403	330	214	-.277	.039	-.125	-.392
315	115	-.308	.046	.165	-.458	330	165	.364	.162	.872	-.042	330	215	.035	.170	.585	-.623
315	116	-.324	.133	.146	-.783	330	166	.439	.171	.926	-.028	330	216	.046	.102	.449	-.211
315	117	-.308	.041	-.187	-.477	330	167	.470	.174	.969	-.019	330	217	-.143	.063	.084	-.333
315	118	-.144	.048	.014	-.278	330	168	.435	.159	.956	-.050	330	218	-.325	.036	-.197	-.454

APPENDIX A -- PRESSURE DATA:

HINES ONE BUILDING -- MINNEAPOLIS, MINNESOTA

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
219	- .083	.150	.416	.649	-	306	- .577	.058	.396	.854	-	330	356	- .577	.096	.214	- .016
220	- .060	.079	.234	.261	-	307	- .580	.063	.345	.932	-	330	357	- .581	.122	- .191	- 1.139
221	- .197	.056	.020	.381	-	308	- .649	.093	.348	- 1.066	-	330	358	- .592	.073	.307	- .854
222	- .278	.041	- 1.29	.454	-	309	- .672	.098	.344	- 1.314	-	330	359	- .582	.069	.324	- .804
223	- .102	.137	.466	.587	-	310	- .670	.091	.392	- 1.144	-	330	360	- .581	.065	.330	- .814
224	- .186	.051	.073	.354	-	311	- .659	.081	.308	- 1.219	-	330	361	- .582	.060	.373	- .810
225	- .049	.124	.458	.480	-	312	- .663	.074	.342	.964	-	330	362	- .576	.054	.411	- .816
226	- .005	.075	.331	.204	-	313	- .655	.075	.417	.968	-	330	363	- .554	.082	.212	- .886
228	- .097	.062	.180	.259	-	314	- .670	.080	.420	- 1.066	-	330	364	- .560	.053	.383	- .820
229	- .118	.058	.125	.277	-	315	- .637	.086	.373	.986	-	330	365	- .556	.072	.317	- .866
230	- .487	.044	- 340	.725	-	316	- .692	.104	.430	- 1.196	-	330	366	- .549	.067	.201	- .882
231	.000	.000	.000	.000	-	317	- .428	.059	.203	- 1.670	-	330	367	- .506	.057	.223	- .741
232	.465	.041	- 358	.608	-	318	- .628	.075	.351	- 1.007	-	330	368	- .570	.054	.392	- .872
233	- .249	.135	.173	.672	-	319	- .637	.070	.435	.963	-	330	369	- .568	.089	.276	- .945
234	- .501	.042	- 389	.674	-	320	- .647	.071	.467	.984	-	330	370	- .551	.082	.240	- .832
235	- .507	.042	.398	.659	-	321	- .674	.100	.456	- 1.150	-	330	371	- .529	.071	.136	- .819
236	.525	.059	- 360	.754	-	322	- .636	.090	.373	- 1.240	-	330	372	- .535	.059	.323	- .805
237	.000	.000	.000	.000	-	323	- .630	.090	.336	- 1.029	-	330	373	- .551	.098	.211	- .980
238	.500	.045	- 318	.654	-	324	- .651	.095	.419	- 1.072	-	330	374	- .000	.000	.000	- .000
239	- .431	.077	- .056	.683	-	325	- .635	.084	.385	- 1.066	-	330	375	- .541	.101	.164	- .947
240	- .476	.044	- 348	.652	-	326	- .639	.093	.375	- 1.221	-	330	376	- .505	.092	.114	- .882
241	.000	.000	.000	.000	-	327	- .571	.105	.302	- 1.105	-	330	378	- .465	.087	.153	- .810
242	.501	.058	- 345	.855	-	328	- .525	.091	.327	- 1.288	-	330	379	- .469	.085	.145	- .856
243	- .481	.045	- 349	.654	-	329	- .576	.132	.276	- 1.374	-	330	380	- .499	.052	.298	- .884
244	- .429	.074	.024	.660	-	330	- .524	.095	.264	- 1.980	-	330	381	- .513	.042	.390	- .665
245	- .505	.036	- 312	.791	-	331	- .516	.083	.209	.941	-	330	382	- .457	.040	.278	- .585
246	- .228	.047	- .039	.456	-	332	- .508	.080	.208	.994	-	330	383	- .491	.052	.275	- .818
247	- .435	.048	- 281	.632	-	333	- .492	.087	.209	- 1.437	-	330	384	- .497	.043	.379	- .654
248	- .355	.047	- 183	.545	-	334	- .605	.075	.295	.991	-	330	385	- .484	.039	.381	- .645
249	- .498	.055	- 331	.737	-	335	- .580	.077	.298	.895	-	330	386	- .481	.054	.339	- .743
250	- .380	.036	- 240	.522	-	336	- .569	.079	.283	.849	-	330	387	- .460	.044	.352	- .615
251	- .420	.046	- 276	.613	-	337	- .551	.083	.210	.790	-	330	388	- .470	.042	.336	- .613
252	- .242	.050	- .024	.382	-	338	- .542	.080	.179	.818	-	330	389	- .515	.063	.354	- .862
253	- .423	.044	- 229	.579	-	339	- .625	.075	.294	.897	-	330	390	- .502	.047	.380	- .719
254	- .543	.054	- 353	.796	-	340	- .537	.094	.011	.830	-	330	391	- .476	.039	.358	- .613
255	- .502	.043	- 376	.698	-	341	- .620	.088	.364	.899	-	330	392	- .496	.071	.302	- .834
256	.000	.000	.000	.000	-	342	- .576	.082	.258	- 827	-	330	393	- .467	.043	.315	- .608
257	.522	.054	- 372	.789	-	343	- .574	.080	.208	.841	-	330	394	- .499	.079	.260	- .920
258	.517	.062	- 343	.901	-	344	- .559	.090	.145	.886	-	330	395	- .464	.042	.334	- .613
259	- .500	.054	- 344	.718	-	345	- .556	.091	.227	- 1.036	-	330	396	- .457	.053	.216	- .654
260	- .493	.044	- 360	.667	-	346	- .622	.087	.375	- 1.001	-	330	397	- .476	.045	.313	- .620
261	- .510	.057	- 319	.779	-	347	- .612	.080	.381	- 912	-	330	398	- .433	.062	.165	- .680
263	- .442	.061	- 232	.715	-	348	- .600	.080	.374	- 893	-	330	399	- .458	.059	.266	- .739
264	- .451	.063	- 219	.730	-	349	- .590	.085	.334	- 923	-	330	400	- .439	.083	.141	- .716
265	- .465	.059	- 287	.723	-	350	- .601	.113	.295	- 1.133	-	330	401	- .445	.080	.163	- .790
266	- .583	.048	- 441	.764	-	351	- .499	.082	.304	- 1.089	-	330	402	- .399	.097	.097	- .908
267	- .587	.047	- 454	.760	-	352	- .494	.110	.433	- 1.100	-	330	403	- .402	.083	.095	- .958
268	- .613	.070	- 426	.957	-	353	- .506	.092	.290	- 1.073	-	330	404	- .495	.057	.338	- .829
269	- .596	.046	- 451	.752	-	354	- .481	.089	.280	- 1.082	-	330	405	- .491	.045	.365	- .724
270	- .606	.056	- 450	.836	-	355	- .457	.051	.219	- 672	-	330	406	- .453	.045	.298	- .598

APPENDIX A -- PRESSURE DATA:

HINES ONE BUILDING -- MINNEAPOLIS , MINNESOTA

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	
330	407	- .479	.034	- .327	- .744	330	542	- .502	.040	- .389	- .660	330	594	- .377	.047	- .204	- .535	
408	- .498	.080	- .245	- 1	.211	330	543	- .523	.044	- .415	- .714	330	595	- .359	.048	- .186	- .534	
409	- .485	.051	- .325	- .731		330	544	- .528	.045	- .419	- .738	330	596	- .353	.049	- .190	- .527	
410	- .454	.051	- .269	- .662		330	545	- .490	.042	- .362	- .664	330	597	- .404	.054	- .209	- .616	
411	- .484	.075	- .232	- 1	.116	330	546	- .492	.040	- .377	- .636	330	598	- .377	.050	- .153	- .570	
412	- .441	.081	- .020	- .925		330	547	- .504	.040	- .380	- .636	330	599	- .356	.049	- .174	- .563	
413	- .465	.050	- .234	- .681		330	548	- .467	.039	- .351	- .597	330	600	- .349	.049	- .137	- .547	
414	- .378	.104	- .158	- .845		330	549	- .445	.042	- .321	- .586	330	601	- .422	.060	- .217	- .621	
415	- .435	.047	- .264	- .681		330	550	- .503	.096	- .204	- 1	.098	330	602	- .406	.057	- .212	- .582
501	- .470	.089	- .114	- .858		330	551	- .466	.081	- .207	- .990		330	603	- .388	.056	- .179	- .578
502	- .573	.094	- .173	- .889		330	552	- .445	.072	- .171	- .731		330	604	- .381	.057	- .198	- .571
503	- .620	.100	- .295	- 1	.105	330	553	- .415	.078	- .122	- .763		330	605	- .479	.055	- .253	- .667
504	- .475	.105	- .073	- .877		330	554	- .424	.079	- .156	- .797		330	606	- .473	.057	- .256	- .677
505	- .509	.116	- .117	- .931		330	555	- .516	.068	- .188	- .812		330	608	- .444	.057	- .254	- .630
506	- .578	.094	- .221	- 1	.011	330	556	- .433	.064	- .210	- .753		330	609	- .445	.052	- .225	- .672
507	- .443	.097	- .049	- .905		330	557	- .523	.050	- .391	- .690		330	610	- .441	.051	- .265	- .638
508	- .493	.052	- .309	- .692		330	558	- .471	.044	- .343	- .629		330	611	- .000	.000	- .000	- .000
509	- .514	.061	- .309	- .924		330	559	- .450	.045	- .295	- .627		330	612	- .430	.052	- .242	- .632
510	- .530	.070	- .279	- .987		330	560	- .443	.046	- .285	- .604		330	613	- .409	.059	- .209	- .677
511	- .549	.079	- .273	- .949		330	561	- .433	.050	- .231	- .639		330	614	- .413	.059	- .219	- .679
512	- .540	.086	- .234	- .955		330	562	- .505	.040	- .341	- .636		330	701	- .477	.036	- .360	- .598
513	- .575	.111	- .202	- 1	.235	330	563	- .474	.048	- .290	- .617		330	702	- .494	.039	- .372	- .628
514	- .560	.112	- .243	- 1	.362	330	564	- .457	.048	- .268	- .587		330	703	- .481	.039	- .381	- .622
515	- .466	.050	- .285	- .622		330	565	- .433	.051	- .187	- .612		330	704	- .476	.038	- .358	- .609
516	- .426	.074	- .193	- .790		330	566	- .432	.071	- .199	- .788		330	705	- .459	.037	- .339	- .601
517	- .462	.043	- .323	- .610		330	567	- .512	.040	- .385	- .641		330	706	- .484	.038	- .376	- .619
518	- .468	.042	- .343	- .610		330	568	- .494	.030	- .387	- .621		330	707	- .472	.038	- .365	- .621
519	- .506	.051	- .366	- .690		330	569	- .476	.039	- .357	- .625		330	708	- .479	.038	- .365	- .606
520	- .543	.059	- .361	- .799		330	570	- .453	.042	- .286	- .588		330	709	- .474	.043	- .355	- .689
521	- .554	.063	- .379	- .824		330	571	- .479	.068	- .258	- .749		330	710	- .481	.041	- .367	- .644
522	- .466	.041	- .322	- .603		330	572	- .520	.041	- .412	- .675		330	711	- .470	.047	- .351	- .684
523	- .480	.040	- .341	- .619		330	573	- .499	.039	- .374	- .630		330	712	- .475	.044	- .363	- .706
524	- .503	.041	- .373	- .680		330	574	- .482	.041	- .351	- .632		330	713	- .459	.049	- .225	- .658
525	- .523	.051	- .369	- .753		330	575	- .479	.046	- .266	- .658		330	714	- .466	.051	- .222	- .655
526	- .540	.054	- .411	- .757		330	576	- .490	.065	- .168	- .704		330	715	- .473	.046	- .335	- .689
527	- .537	.054	- .393	- .771		330	577	- .469	.042	- .346	- .635		330	716	- .473	.045	- .347	- .653
528	- .526	.030	- .385	- .751		330	578	- .463	.043	- .263	- .606		330	717	- .486	.054	- .341	- .765
529	- .530	.052	- .386	- .736		330	579	- .465	.043	- .289	- .612		330	718	- .492	.047	- .374	- .701
530	- .534	.053	- .377	- .761		330	580	- .477	.046	- .322	- .630		330	720	- .490	.053	- .358	- .751
531	- .487	.050	- .351	- .710		330	581	- .484	.054	- .236	- .694		330	721	- .434	.064	- .050	- .676
532	- .537	.051	- .405	- .753		330	582	- .395	.076	- .134	- .679		330	722	- .455	.063	- .188	- .685
533	- .535	.053	- .382	- .746		330	583	- .383	.074	- .149	- .656		330	723	- .441	.060	- .131	- .704
534	- .536	.054	- .391	- .744		330	584	- .421	.072	- .171	- .691		330	724	- .338	.068	- .059	- .558
535	- .489	.038	- .363	- .639		330	585	- .410	.067	- .168	- .645		330	725	- .478	.037	- .348	- .598
536	- .496	.037	- .366	- .641		330	586	- .411	.063	- .168	- .635		330	726	- .478	.038	- .365	- .608
537	- .507	.037	- .389	- .642		330	587	- .408	.061	- .198	- .627		330	727	- .457	.044	- .288	- .720
538	- .513	.040	- .408	- .708		330	588	- .399	.052	- .221	- .591		330	728	- .544	.040	- .422	- .697
539	- .525	.042	- .400	- .744		330	589	- .393	.053	- .234	- .557		330	728	- .544	.040	- .422	- .697
540	- .498	.035	- .407	- .658		330	591	- .379	.055	- .218	- .536		330	729	- .490	.038	- .356	- .690
541	- .501	.039	- .401	- .656		330	593	- .390	.053	- .187	- .555		330	730	- .466	.038	- .330	- .664

APPENDIX A -- PRESSURE DATA:

HINES ONE BUILDING -- MINNEAPOLIS , MINNESOTA

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
330	731	- .483	.041	- .331	- .627	330	827	- .599	.049	- .454	- .808	345	113	- .155	.089	.113	- .446
330	732	- .455	.037	- .343	- .575	330	828	- .581	.045	- .449	- .745	345	114	- .217	.174	.222	- .882
330	733	- .480	.049	- .272	- .667	330	829	- .568	.044	- .423	- .737	345	115	- .312	.054	.120	- .502
330	734	- .469	.041	- .339	- .640	330	830	- .564	.047	- .400	- .771	345	116	- .049	.178	.464	- .686
330	735	- .462	.045	- .316	- .647	330	831	- .570	.063	- .282	- .959	345	117	- .340	.053	.162	- .515
330	736	- .478	.042	- .302	- .611	330	832	- .589	.050	- .431	- .776	345	118	- .085	.085	.201	- .321
330	737	- .488	.040	- .361	- .606	330	833	- .567	.073	- .276	- .053	345	119	- .100	.120	.509	- .194
330	738	- .471	.043	- .273	- .608	330	834	- .567	.047	- .434	- .755	345	120	- .198	.149	.718	- .462
330	739	- .472	.040	- .343	- .620	330	835	- .540	.041	- .406	- .693	345	121	- .146	.228	.716	- .804
330	740	- .451	.030	- .352	- .548	330	836	- .558	.043	- .449	- .860	345	122	- .349	.054	.070	- .495
330	741	- .468	.051	- .288	- .642	330	837	- .000	.000	- .000	- .000	345	123	- .097	.084	.219	- .323
330	742	- .464	.044	- .330	- .628	330	838	- .566	.065	- .317	- .008	345	124	- .103	.112	.473	- .199
330	743	- .459	.047	- .309	- .611	330	839	- .000	.000	- .000	- .000	345	125	- .185	.139	.610	- .407
330	744	- .473	.049	- .323	- .636	330	840	- .000	.000	- .000	- .000	345	126	- .073	.232	.719	- .715
330	745	- .495	.047	- .349	- .683	330	841	- .046	.022	- .025	- .130	345	127	- .171	.183	.668	- .555
330	746	- .492	.090	- .224	- 1 - .028	330	842	- .553	.052	- .416	- .764	345	128	- .145	.125	.585	- .370
330	747	- .474	.046	- .331	- .640	330	843	- .574	.082	- .284	- 1 - .083	345	129	- .197	.146	.640	- .404
330	748	- .458	.050	- .304	- .679	330	844	- .000	.000	- .000	- .000	345	130	- .158	.190	.651	- .522
330	749	- .456	.049	- .304	- .636	330	845	- .564	.097	- .027	- .937	345	131	- .040	.187	.567	- .560
330	750	- .441	.051	- .287	- .658	330	846	- .548	.117	- .049	- 1 - .086	345	132	- .131	.133	.560	- .384
330	751	- .410	.053	- .241	- .609	330	847	- .536	.129	- .014	- 1 - .065	345	133	- .122	.172	.594	- .636
330	752	- .471	.041	- .366	- .609	330	848	- .546	.116	- .054	- .966	345	134	- .004	.226	.624	- 1 - .018
330	753	- .476	.045	- .336	- .624	330	849	- .567	.077	- .004	- .869	345	135	- .443	.042	.267	- .606
330	754	- .454	.049	- .310	- .633	330	850	- .546	.103	- .074	- .990	345	136	- .241	.055	.023	- .425
330	801	- .636	.062	- .445	- 1 - .085	330	851	- .566	.106	- .212	- .821	345	137	- .067	.080	.291	- .238
330	802	- .620	.057	- .411	- .902	330	852	- .554	.089	- .034	- .864	345	138	- .033	.101	.581	- .262
330	803	- .593	.082	- .306	- 1 - .161	330	853	- .483	.117	- .025	- .845	345	139	- .090	.198	.774	- .705
330	804	- .639	.058	- .476	- .912	330	854	- .546	.098	- .118	- .874	345	140	- .463	.036	.341	- .581
330	805	- .615	.053	- .460	- .843	330	855	- .547	.075	- .072	- .860	345	141	- .320	.031	.201	- .448
330	806	- .640	.064	- .471	- .895	330	856	- .503	.101	- .169	- .824	345	142	- .171	.041	.052	- .294
330	807	- .629	.071	- .420	- .907	330	857	- .449	.124	- .078	- .887	345	143	- .085	.066	.203	- .562
330	808	- .567	.050	- .418	- .788	330	858	- .494	.094	- .105	- .858	345	144	- .252	.153	.288	- .874
330	809	- .578	.050	- .439	- .786	330	859	- .477	.080	- .027	- .801	345	145	- .442	.037	.337	- .575
330	810	- .576	.047	- .429	- .778	330	860	- .415	.090	- .002	- .727	345	146	- .290	.033	.185	- .432
330	811	- .574	.046	- .444	- .772	330	861	- .423	.073	- .103	- .650	345	147	- .177	.042	.037	- .311
330	812	- .570	.046	- .415	- .754	330	862	- .427	.075	- .107	- .653	345	148	- .117	.054	.085	- .393
330	813	- .571	.043	- .428	- .737	330	863	- .338	.091	- .038	- .596	345	149	- .240	.110	.046	- .730
330	814	- .572	.041	- .425	- .713	330	864	- .360	.091	- .047	- .607	345	150	- .407	.038	.261	- .535
330	815	- .580	.049	- .440	- .790	345	101	- .582	.088	- .335	- .934	345	151	- .198	.103	.100	- .574
330	816	- .573	.041	- .445	- .713	345	102	- .595	.100	- .348	- .954	345	152	- .388	.039	.220	- .514
330	817	- .400	.049	- .280	- .726	345	103	- .539	.090	- .299	- 1 - .044	345	153	- .207	.052	.009	- .331
330	818	- .567	.052	- .434	- .921	345	104	- .594	.097	- .352	- .992	345	154	- .088	.068	.195	- .247
330	819	- .559	.040	- .442	- .711	345	105	- .614	.105	- .324	- 1 - .068	345	155	- .036	.073	.238	- .310
330	820	- .551	.039	- .438	- .688	345	106	- .359	.097	- .278	- 1 - .033	345	156	- .150	.116	.170	- .841
330	821	- .563	.042	- .392	- .719	345	107	- .485	.103	- .184	- .947	345	157	- .042	.128	.464	- .475
330	822	- .555	.055	- .404	- .809	345	108	- .359	.050	- .169	- .599	345	158	- .052	.123	.458	- .352
330	823	- .565	.052	- .415	- .819	345	109	- .258	.067	- .051	- .569	345	159	- .057	.123	.414	- .334
330	824	- .559	.045	- .384	- .724	345	110	- .225	.072	- .023	- .538	345	160	- .065	.123	.446	- .402
330	825	- .545	.047	- .401	- .726	345	111	- .211	.078	- .032	- .493	345	161	- .033	.120	.486	- .335
330	826	- .553	.045	- .411	- .706	345	112	- .175	.079	- .073	- .437	345	162	- .278	.162	.756	- .283

APPENDIX A -- PRESSURE DATA:

HINES ONE BUILDING -- MINNEAPOLIS , MINNESOTA

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
345	163	.230	.147	.672	-.217	345	213	-.169	.065	-.150	-.350	345	265	-.446	.050	-.302	-.713
345	164	.327	.191	.850	-.238	345	214	-.322	.041	-.161	-.448	345	301	-.598	.062	-.324	-.855
345	165	.471	.179	1.006	-.014	345	215	-.154	.163	-.390	-.801	345	302	-.667	.080	-.417	-.940
345	166	.484	.177	1.080	.016	345	216	-.049	.075	-.229	-.292	345	303	-.709	.079	-.498	-.022
345	167	.453	.169	.965	-.005	345	217	-.227	.048	-.021	-.371	345	304	-.595	.054	-.442	-.835
345	168	.252	.160	.837	-.351	345	218	-.374	.035	-.210	-.490	345	305	-.644	.080	-.428	-.103
345	169	.242	.159	.839	-.163	345	219	-.174	.124	-.252	-.670	345	306	-.552	.066	-.289	-.835
345	170	.368	.152	.988	.030	345	220	-.092	.062	-.164	-.294	345	307	-.567	.070	-.341	-.893
345	171	.384	.152	.970	.062	345	221	-.235	.043	-.063	-.385	345	308	-.574	.097	-.273	-.034
345	172	.385	.149	.899	-.030	345	222	-.293	.034	-.161	-.422	345	309	-.562	.074	-.283	-.946
345	173	.235	.149	.733	-.213	345	223	-.169	.097	-.229	-.568	345	310	-.568	.062	-.380	-.905
345	174	.113	.139	.666	-.210	345	224	-.195	.036	-.042	-.350	345	311	-.578	.061	-.361	-.842
345	175	.257	.129	.787	-.046	345	225	-.118	.098	-.305	-.585	345	312	-.605	.069	-.391	-.986
345	176	.283	.128	.719	-.000	345	226	-.046	.062	-.247	-.243	345	313	-.635	.092	-.384	-.158
345	177	.275	.126	.715	-.034	345	228	-.140	.057	-.128	-.299	345	314	-.694	.119	-.408	-.471
345	178	.151	.133	.615	-.290	345	229	-.154	.053	-.070	-.301	345	315	-.565	.105	-.198	-.094
345	179	.005	.091	.380	-.256	345	230	-.421	.048	-.258	-.618	345	316	-.680	.122	-.376	-.250
345	180	.126	.097	.599	-.072	345	231	-.000	.000	-.000	-.000	345	317	-.357	.070	-.122	-.639
345	181	.156	.104	.651	-.059	345	232	-.437	.042	-.293	-.582	345	318	-.534	.084	-.302	-.901
345	182	.148	.106	.606	-.097	345	233	-.280	.097	-.010	-.619	345	319	-.556	.075	-.278	-.035
345	183	.049	.102	.476	-.277	345	234	-.454	.048	-.282	-.647	345	320	-.620	.100	-.337	-.082
345	184	-.069	.074	.303	-.435	345	235	-.489	.045	-.342	-.670	345	321	-.660	.134	-.369	-.491
345	185	.095	.083	.461	-.116	345	236	-.493	.049	-.368	-.717	345	322	-.552	.099	-.253	-.062
345	186	.125	.093	.582	-.094	345	237	-.000	.000	-.600	-.000	345	323	-.545	.095	-.285	-.011
345	187	.115	.099	.578	-.115	345	238	-.464	.043	-.348	-.613	345	324	-.561	.095	-.297	-.243
345	188	.010	.103	.475	-.268	345	239	-.426	.067	-.150	-.667	345	325	-.569	.093	-.318	-.049
345	189	-.034	.068	.222	-.271	345	240	-.443	.045	-.301	-.674	345	326	-.582	.116	-.257	-.484
345	190	-.018	.076	.329	-.244	345	241	-.000	.000	-.000	-.000	345	327	-.453	.085	-.087	-.832
345	191	-.002	.078	.303	-.280	345	242	-.458	.048	-.319	-.729	345	328	-.536	.053	-.392	-.770
345	192	.129	.078	.453	-.105	345	243	-.445	.043	-.323	-.640	345	329	-.263	.169	-.302	-.731
345	193	.149	.080	.514	-.056	345	244	-.424	.050	-.097	-.616	345	330	-.463	.066	-.114	-.678
345	194	.124	.078	.507	-.049	345	245	-.457	.051	-.309	-.684	345	331	-.493	.115	-.206	-.080
345	195	-.465	.051	-.322	-.702	345	246	-.245	.039	-.100	-.377	345	332	-.464	.083	-.232	-.045
345	196	-.336	.169	.199	-.850	345	247	-.422	.038	-.286	-.577	345	333	-.492	.138	-.149	-.314
345	197	-.212	.083	.096	-.439	345	248	-.352	.035	-.233	-.533	345	334	-.605	.085	-.331	-.942
345	198	-.219	.075	.054	-.453	345	249	-.470	.050	-.324	-.686	345	335	-.576	.081	-.284	-.933
345	199	-.275	.071	.047	-.577	345	250	-.373	.035	-.243	-.518	345	336	-.558	.082	-.268	-.909
345	200	-.321	.057	-.070	-.561	345	251	-.408	.044	-.257	-.626	345	337	-.538	.076	-.181	-.838
345	201	-.163	.211	.481	-.845	345	252	-.270	.038	-.109	-.393	345	338	-.531	.099	-.115	-.974
345	202	-.274	.047	-.112	-.436	345	253	-.406	.039	-.263	-.585	345	339	-.610	.082	-.371	-.005
345	203	-.118	.215	.532	-.850	345	254	-.496	.046	-.374	-.693	345	340	-.492	.118	-.122	-.236
345	204	-.103	.111	.445	-.403	345	255	-.471	.039	-.371	-.616	345	341	-.596	.090	-.361	-.959
345	205	-.100	.068	.150	-.338	345	256	-.000	.000	-.000	-.000	345	342	-.526	.067	-.285	-.781
345	206	-.274	.043	-.112	-.413	345	257	-.496	.046	-.355	-.703	345	343	-.516	.068	-.269	-.824
345	207	-.068	.242	.610	-.876	345	258	-.467	.050	-.316	-.676	345	344	-.488	.072	-.231	-.813
345	208	-.163	.121	.498	-.447	345	259	-.459	.047	-.325	-.694	345	345	-.501	.104	-.168	-.047
345	209	-.090	.078	.230	-.308	345	260	-.459	.046	-.339	-.705	345	346	-.538	.084	-.231	-.896
345	210	-.272	.047	-.112	-.413	345	261	-.468	.049	-.302	-.783	345	347	-.522	.072	-.293	-.767
345	211	-.090	.207	.502	-.848	345	262	-.432	.052	-.247	-.699	345	348	-.540	.086	-.246	-.914
345	212	-.038	.104	.466	-.436	345	263	-.432	.051	-.204	-.652	345	349	-.541	.095	-.201	-.004

APPENDIX A -- PRESSURE DATA:

HINES ONE BUILDING -- MINNEAPOLIS , MINNESOTA

UD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	UD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	UD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
345	350	- .575	.122	- .139	- 1.248	345	401	- .564	.072	- .387	- .864	345	336	- .467	.037	- .357	- .607
345	351	- .444	.091	- .231	- .959	345	402	- .526	.076	- .304	- .873	345	337	- .479	.038	- .339	- .618
345	352	- .442	.081	- .229	- .901	345	403	- .534	.074	- .322	- .890	345	338	- .478	.043	- .327	- .641
345	353	- .449	.078	- .264	- .830	345	404	- .528	.082	- .300	- .917	345	339	- .502	.052	- .305	- .678
345	354	- .438	.084	- .187	- .923	345	405	- .562	.087	- .270	- .963	345	340	- .506	.037	- .389	- .674
345	355	- .445	.076	- .221	- .794	345	406	- .501	.086	- .235	- 1.201	345	341	- .493	.039	- .399	- .630
345	356	- .518	.088	- .170	- 1.014	345	407	- .532	.091	- .378	- .893	345	342	- .519	.045	- .409	- .745
345	357	- .555	.098	- .173	- .967	345	408	- .553	.071	- .380	- .779	345	343	- .540	.050	- .399	- .786
345	358	- .433	.116	- .035	- .843	345	409	- .553	.052	- .386	- .741	345	344	- .422	.046	- .220	- .575
345	359	- .468	.119	- .011	- .877	345	410	- .532	.050	- .377	- 1.034	345	345	- .430	.043	- .261	- .607
345	360	- .509	.113	- .086	- .885	345	411	- .543	.069	- .266	- 1.107	345	346	- .469	.040	- .335	- .658
345	361	- .562	.104	- .228	- .896	345	412	- .552	.080	- .365	- .786	345	347	- .461	.038	- .340	- .595
345	362	- .559	.078	- .300	- .826	345	413	- .551	.055	- .379	- .743	345	348	- .409	.041	- .279	- .621
345	363	- .382	.125	- .052	- .776	345	414	- .532	.051	- .217	- 1.077	345	349	- .468	.077	- .243	- .945
345	364	- .523	.077	- .313	- .851	345	415	- .545	.078	- .217	- 1.077	345	350	- .466	.075	- .220	- .903
345	365	- .421	.125	- .052	- .883	345	501	- .491	.097	- .137	- .836	345	551	- .464	.075	- .193	- .806
345	366	- .425	.130	- .011	- .822	345	502	- .555	.088	- .191	- .866	345	552	- .489	.077	- .201	- .795
345	367	- .487	.106	- .100	- .859	345	503	- .601	.113	- .312	- 1.389	345	553	- .467	.078	- .195	- .795
345	368	- .591	.078	- .253	- .853	345	504	- .539	.096	- .208	- .931	345	554	- .406	.074	- .257	- .795
345	369	- .584	.126	- .050	- 1.192	345	505	- .539	.095	- .158	- 1.077	345	555	- .454	.062	- .179	- .740
345	370	- .598	.104	- .179	- 1.020	345	506	- .557	.097	- .305	- 1.075	345	556	- .493	.064	- .276	- .739
345	371	- .639	.094	- .137	- 1.066	345	507	- .489	.099	- .142	- .976	345	557	- .439	.055	- .211	- .646
345	372	- .640	.080	- .367	- 1.028	345	508	- .467	.052	- .306	- .672	345	558	- .416	.054	- .232	- .611
345	373	- .618	.130	- .274	- 1.318	345	509	- .472	.063	- .241	- .914	345	559	- .422	.056	- .192	- .614
345	374	- .000	.000	- .000	- .000	345	510	- .484	.072	- .186	- .973	345	560	- .453	.057	- .241	- .648
345	375	- .613	.144	- .299	- 1.618	345	511	- .486	.080	- .211	- .967	345	561	- .476	.061	- .238	- .678
345	376	- .591	.101	- .313	- 1.052	345	512	- .480	.079	- .160	- 1.003	345	562	- .446	.073	- .157	- .698
345	377	- .585	.094	- .348	- 1.050	345	513	- .477	.087	- .135	- .971	345	563	- .448	.076	- .108	- .685
345	378	- .593	.092	- .365	- 1.045	345	514	- .471	.079	- .207	- .852	345	564	- .478	.075	- .197	- .716
345	379	- .000	.000	- .000	- .000	345	515	- .425	.049	- .213	- .630	345	565	- .470	.075	- .053	- .699
345	380	- .000	.000	- .000	- .000	345	516	- .356	.060	- .132	- .692	345	566	- .505	.066	- .132	- .720
345	381	- .000	.000	- .000	- .000	345	517	- .399	.045	- .254	- .947	345	567	- .524	.062	- .325	- .786
345	382	- .000	.000	- .000	- .000	345	518	- .411	.042	- .295	- .959	345	568	- .545	.050	- .382	- .720
345	383	- .000	.000	- .000	- .000	345	519	- .433	.040	- .282	- .975	345	569	- .534	.048	- .378	- .751
345	384	- .549	.070	- .323	- .949	345	520	- .459	.042	- .331	- .609	345	570	- .537	.048	- .391	- .755
345	385	- .556	.049	- .406	- .747	345	521	- .452	.063	- .263	- .735	345	571	- .544	.051	- .277	- .742
345	386	- .543	.049	- .393	- .734	345	522	- .393	.040	- .264	- .532	345	572	- .588	.057	- .454	- .831
345	387	- .539	.068	- .301	- 1.036	345	523	- .407	.037	- .291	- .929	345	573	- .547	.047	- .431	- .735
345	388	- .556	.051	- .424	- .777	345	524	- .446	.036	- .329	- .967	345	574	- .545	.046	- .414	- .725
345	389	- .566	.050	- .413	- .757	345	525	- .435	.041	- .312	- .975	345	575	- .545	.046	- .390	- .715
345	390	- .523	.073	- .352	- .974	345	526	- .454	.059	- .216	- .757	345	576	- .560	.047	- .415	- .734
345	391	- .523	.051	- .363	- .735	345	527	- .441	.045	- .263	- .609	345	577	- .450	.041	- .322	- .610
345	392	- .541	.047	- .403	- .713	345	528	- .462	.041	- .315	- .616	345	578	- .550	.049	- .408	- .744
345	393	- .567	.074	- .348	- .961	345	529	- .431	.043	- .266	- .970	345	579	- .537	.047	- .411	- .691
345	394	- .540	.049	- .402	- .752	345	530	- .436	.045	- .284	- .602	345	580	- .536	.047	- .417	- .694
345	395	- .540	.047	- .404	- .721	345	531	- .399	.055	- .225	- .692	345	581	- .530	.049	- .366	- .722
345	396	- .542	.081	- .243	- 1.082	345	532	- .465	.042	- .310	- .637	345	582	- .496	.080	- .242	- .022
345	397	- .536	.049	- .403	- .807	345	533	- .441	.048	- .257	- .717	345	583	- .465	.069	- .168	- .768
345	398	- .552	.084	- .336	- 1.088	345	534	- .455	.061	- .259	- .750	345	584	- .497	.068	- .211	- .742
345	399	- .530	.052	- .379	- .906	345	535	- .436	.039	- .325	- .573	345	585	- .471	.062	- .269	- .722
345	400	- .554	.090	- .291	- .983	345	536	- .436	.039	- .325	- .573	345	586	- .471	.062	- .269	- .722

APPENDIX A -- PRESSURE DATA:

MINES ONE BUILDING -- MINNEAPOLIS, MINNESOTA

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
345	586	- .463	.060	- .259	- .672	345	724	- .399	.054	- .142	- .600	345	817	- .467	.055	- .317	- .738
445	587	- .493	.066	- .289	- .737	345	725	- .494	.042	- .357	- .689	345	818	- .649	.063	- .477	- .966
445	589	- .513	.065	- .332	- .771	345	726	- .469	.041	- .348	- .653	345	819	- .655	.063	- .517	- .883
445	590	- .499	.066	- .302	- .732	345	727	- .460	.042	- .340	- .632	345	820	- .662	.061	- .510	- .861
445	591	- .466	.066	- .260	- .686	345	728	- .667	.066	- .456	- .948	345	821	- .696	.066	- .529	- .963
445	593	- .547	.064	- .305	- .843	345	729	- .667	.066	- .456	- .948	345	822	- .653	.083	- .428	- .222
445	594	- .533	.059	- .317	- .831	345	730	- .447	.077	- .225	- .928	345	823	- .651	.068	- .463	- .087
445	595	- .501	.050	- .280	- .688	345	731	- .423	.072	- .174	- .747	345	824	- .644	.050	- .487	- .916
445	596	- .488	.060	- .267	- .670	345	732	.000	.000	.000	.000	345	825	- .643	.053	- .463	- .855
445	597	- .547	.053	- .368	- .773	345	733	.000	.000	.000	.000	345	826	- .632	.052	- .489	- .849
445	598	- .523	.052	- .292	- .764	345	734	.575	.053	- .422	- .739	345	827	- .623	.033	- .442	- .841
445	600	- .513	.048	- .325	- .665	345	735	.549	.049	- .407	- .731	345	828	- .606	.048	- .456	- .832
445	601	- .552	.050	- .417	- .720	345	736	.547	.048	- .411	- .696	345	829	- .605	.051	- .463	- .804
445	602	- .555	.050	- .404	- .727	345	737	.552	.050	- .397	- .736	345	830	- .604	.055	- .449	- .910
445	603	- .538	.049	- .355	- .708	345	738	.560	.049	- .433	- .768	345	831	- .622	.070	- .404	- .008
445	604	- .531	.049	- .332	- .711	345	739	.539	.049	- .318	- .738	345	832	- .648	.054	- .496	- .861
445	605	- .532	.054	- .388	- .742	345	740	.540	.048	- .418	- .746	345	833	- .639	.087	- .381	- .283
445	606	- .535	.053	- .396	- .737	345	741	.556	.050	- .348	- .770	345	834	- .636	.061	- .486	- .884
445	608	- .522	.051	- .391	- .696	345	742	.541	.050	- .400	- .782	345	835	- .617	.052	- .465	- .810
445	609	- .518	.051	- .390	- .754	345	743	.536	.049	- .411	- .756	345	836	- .631	.051	- .489	- .830
445	610	- .519	.051	- .389	- .754	345	744	.514	.027	- .440	- .605	345	837	.000	.000	.000	.000
445	611	- .000	.000	- .000	- .000	345	745	.552	.045	- .424	- .722	345	838	- .631	.075	- .342	- .089
445	612	- .514	.052	- .378	- .757	345	746	.529	.046	- .329	- .695	345	839	.000	.000	.000	.000
445	613	- .508	.054	- .284	- .722	345	747	.532	.044	- .386	- .701	345	840	.000	.000	.000	.000
445	614	- .513	.054	- .307	- .730	345	748	.545	.050	- .387	- .708	345	841	- .551	.024	- .019	- .143
445	701	- .511	.044	- .362	- .684	345	749	.545	.050	- .367	- .750	345	842	- .540	.033	- .379	- .747
445	702	- .520	.042	- .378	- .695	345	750	.415	.069	- .190	- .695	345	843	- .552	.068	- .272	- .897
445	703	- .533	.047	- .404	- .719	345	751	.529	.054	- .377	- .840	345	844	.000	.000	.000	.000
445	704	- .500	.040	- .387	- .702	345	752	.539	.050	- .395	- .743	345	845	- .617	.094	- .101	- .139
445	705	- .467	.041	- .306	- .645	345	753	.550	.053	- .401	- .814	345	846	- .609	.105	- .063	- .143
445	706	- .467	.040	- .345	- .637	345	754	.496	.055	- .293	- .732	345	847	- .601	.120	- .042	- .113
445	707	- .493	.039	- .364	- .627	345	801	.670	.099	- .312	- .149	345	848	- .606	.136	- .124	- .273
445	708	- .479	.040	- .362	- .632	345	802	.601	.072	- .352	- .099	345	849	- .624	.078	- .327	- .027
445	709	- .472	.042	- .327	- .621	345	803	.565	.090	- .259	- .316	345	850	- .586	.139	- .137	- .170
445	710	- .468	.040	- .336	- .619	345	804	.667	.080	- .450	- .049	345	851	- .611	.079	- .038	- .916
445	711	- .475	.042	- .338	- .636	345	805	.591	.059	- .412	- .842	345	852	- .581	.100	- .007	- .926
445	712	- .466	.040	- .322	- .616	345	806	.715	.082	- .484	- .099	345	853	- .469	.119	- .009	- .822
445	713	- .450	.048	- .187	- .647	345	807	.713	.083	- .468	- .133	345	854	- .495	.109	- .105	- .075
445	714	- .448	.048	- .278	- .630	345	808	.659	.064	- .477	- .969	345	855	- .540	.063	- .282	- .752
445	715	- .464	.046	- .336	- .655	345	809	.685	.063	- .437	- .996	345	856	- .520	.073	- .122	- .816
445	716	- .458	.047	- .292	- .658	345	810	.681	.063	- .447	- .203	345	857	- .478	.090	- .005	- .851
445	717	- .451	.051	- .313	- .663	345	811	.683	.061	- .498	- .076	345	858	- .480	.086	- .000	- .894
445	718	- .449	.046	- .308	- .649	345	812	.678	.061	- .510	- .985	345	859	- .505	.057	- .329	- .747
445	720	- .454	.052	- .313	- .686	345	813	.657	.067	- .465	- .107	345	860	- .457	.080	- .148	- .847
445	721	- .439	.047	- .280	- .733	345	814	.648	.069	- .489	- .003	345	861	- .494	.066	- .233	- .794
445	722	- .445	.049	- .310	- .683	345	815	.651	.063	- .449	- .012	345	862	- .488	.062	- .251	- .777
445	723	- .452	.051	- .319	- .667	345	816	.661	.063	- .508	- .988	345	863	- .429	.084	- .028	- .719
445	723	- .452	.051	- .319	- .667	345	816	.661	.063	- .508	- .988	345	864	- .413	.093	- .031	- .738