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WIND-TUNNEL STUDY OF ONE LOGAN SQUARE, PHILADELPHIA

by

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LIST OF SYMBOLS

Symbol	Definition
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, $\frac{\left((p-p_\infty)-(p-p_\infty)_{mean}\right)_{rms}}{0.5\ \rho\ U_\infty^2}$
$C_{p_{max}}$	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

Symbol	Definition
p	Fluctuating pressure at a pressure tap on the structure
p_∞	Static pressure in the wind tunnel above the model
F_x, F_y	Forces in X, Y direction
A_R	Reference Area
CF_X	Force coefficient, X direction, $\dfrac{F_x}{A_R \; 0.5\rho \; U_\infty^2}$
CF_Y	Force coefficient, Y direction, $\dfrac{F_y}{A_R \; 0.5\rho \; U_\infty^2}$

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 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 cladding 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/ν be similar for model and prototype. Since ν, 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 ($>2\times10^4$) 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 10 or 15 degrees and another set of data recorded for each pressure tap. Normally, 24 or 36 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. diameter) 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 removable pieces which are placed upwind of the turntable for appropriate wind directions. A plan 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 or 36 wind directions, rotating the entire model assembly in a complete circle. Seventy-six pieces of 1/16 in. I.D. plastic tubing 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 setra differential transducers (Model 237) with a 0.10 psid range. Reference pressures are obtained by connecting the reference sides of the four transducers, using plastic tubing, to the static side of a pitot-static 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.

Output from the pressure transducers 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 converter. 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 ft (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. diameter platinum film sensing element 0.020 in. long. Output is directed to the on-line data acquisition system for analysis.

Calibration of the hot-wire anemometer is performed by comparing output with the pitot-static tube in the wind tunnel. 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

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

where E_{rms} is the root-mean-square voltage output from the anemometer. For interpretation all turbulence measurements for pedestrian winds were divided by the mean velocity outside the boundary-layer U_∞. Turbulence intensity in velocity profile measurements used the local mean velocity.

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 Figure 7. Profiles were taken upstream from the model which are characteristic of the boundary layer approaching the model and sometimes at the building site with building removed. The boundary-layer thickness, δ, is shown in Figure 7. The corresponding prototype value of δ for this study is also shown in the figure. This value was established as a reasonable height for this study. The mean velocity profile approaching the modeled area 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 7.

Profiles of longitudinal turbulence intensity in the flow approaching the modeled area are shown in Figure 7. The turbulence intensities are appropriate for the approach mean velocity profile selected. For the velocity profiles, turbulence intensity is defined

as the root-mean-square about the mean of the longitudinal velocity fluctuations divided by the local mean velocity U,

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

Velocity data obtained at each of the pedestrian measurement locations shown in Figure 4 are listed in Table 2 as mean velocity U/U_∞, turbulence intensity U_{rms}/U_∞, and largest effective gust

$$U_{pk} = \frac{U + 3U_{rms}}{U_\infty} .$$

These data are plotted in polar form in Figure 8. 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 30-40 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 9.

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) and Melbourne (5). The Beaufort scale (from ref. 4), 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. Quantitative criteria for acceptance from reference 5 are superimposed as dashed lines on Figure 9. 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 about one of these gusts per hour). Implications of the data plotted in Figure 9 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

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

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 be calculated.

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

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

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, in general, 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 (6). 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 (7).

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. 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 and are listed as peak pressures in that table. 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 cladding load shown in Table 6 have been plotted on developed elevation

views of the structure, Figure 10. For control of water infiltration from outside to inside, the largest positive (inward-acting) pressure at each tap location is tabulated in Table 6.

For glass design pressures, a glass load factor is used to account for the different duration between measured peak pressures and the one minute loading commonly used in glass design charts. The design pressure used for glass is normally less than the peak pressures used for cladding design because of the static fatigue property of glass which can withstand higher pressures for short duration loads than for long duration loads. Recent research (8) 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-pressure values, then a glass strength associated with this duration load should be used. Because glass design charts are normally based on some alternate load duration--usually 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. Current glass selection charts showing glass strength as a function of load duration (9) and older references (10) indicate the following load reduction factors:

	ref 9	ref 10
annealed float	0.80	0.81
heat strengthened	0.94	
tempered	0.97	0.98

Loadings appropriate for glass design can be computed by multiplying the peak-pressure loads of Table 6 by these load factors.

4.4 Forces and Moments

Force coefficients in the horizontal X and Y directions and moment coefficients about the X, Y, and Z axes with the origin at ground level at the base of the building with Z axis vertical may be computed for all wind directions tested by integration of mean pressures on the building. Overall forces and moments acting on the full-scale building due to wind loading which are useful in designing the structural framing of the proposed building may be obtained from use of these coefficients.

Force coefficients were computed for each floor for each wind direction using the equations shown below.

$$CF_X = \frac{F_X}{A_R \; 0.5 \; \rho \; U_\infty^2} \qquad CF_Y = \frac{F_Y}{A_R \; 0.5 \; \rho \; U_\infty^2}$$

Terms and symbols used in the equations are defined in the List of Symbols and the axes are defined for the building in Figure 3. Force coefficients CF_X and CF_Y were computed for the horizontal forces acting along the X and Y axes using the mean pressure coefficient at each pressure tap. A_R represents a constant reference area for nondimensionalization of the forces and moments.

The total forces acting on the full-scale building for each floor and wind direction were computed by multiplying the above coefficients by the appropriate full-scale reference area, by the reference pressure of Table 5, and by a gust load factor selected for an appropriate wind gust duration. The gust load factor, shown in Table 5, was selected to increase the loads from an hourly mean load to that of a gust whose duration would be sufficient for its effect to be fully felt by the structure. A table of gust load factors for various gust durations is

incorporated in Table 5 so that force and moment data of Table 7 may be adjusted to a different load duration if desired.

The forces obtained at each floor were used to obtain load, shear, and moment diagrams for the building for each wind direction. The shear diagram, in kips, was obtained by algebraic sum of all forces in each coordinate direction acting above the floor of interest. The load diagram, in psf, was obtained by dividing the shear values by their contributing areas (listed in Table 7). The moment diagram, in 1000 ft-kips, was obtained by integration of the shear values so that the moment due to forces acting above the floor level of interest was calculated. The sign of the moment was established by the right-hand rule about an X', Y' axis through the floor of interest. Moments about the Z axis were calculated by considering the displacement of forces in the X and Y directions from the Z axis shown in Figure 3. Load, shear, and moment diagrams are shown in Figure 11 for several wind directions.

5. DISCUSSION

5.1 Flow Visualization

Flow patterns identified with smoke showed that the largest velocities about One Logan Square appeared to be at the east and west ends of the building, particularly near the base, for southerly winds. Thus, larger pressures may be found on the west face and near the east end of the building. The largest pedestrian winds will most likely be found at ground level at the east and west ends of the building near pedestrian locations 8 and 10 (see Figure 4) for southerly winds. These locations showed moderate to high winds for a significant range of wind directions. Moderate wind velocities were noted in the courtyard for northerly winds created by winds flowing down the north face of the tower and out across the courtyard.

5.2 Pedestrian Winds

Figure 4 shows the 17 locations selected for investigation of pedestrian wind comfort. Locations 1 and 2 were selected as reference locations which should be reasonably undisturbed by presence of the One Logan Square building. Location 2 was coincident with location 1 except that the Logan Square tower structure was removed from the model. Table 2 and Figure 8 show that the largest values of mean velocity were measured, as predicted by smoke flow results, at locations 8, 10, and 13 with values ranging from 53 to 65 percent of the mean velocity, U_∞, at the boundary-layer height. These values compare to largest values of 37 and 38 percent measured at reference locations 1 and 2 and 40 to 45 percent which might be expected in an open-country environment.

The largest values of fluctuating velocity, U_{rms}, were measured at locations 7, 8, 10, and 11 with values ranging from 16 to 20 percent

of U_∞. These are typical values in a city environment. For comparison, values of 10 to 12 percent were measured at reference locations 1 and 2 and are also typical of an open-country environment. The largest values of peak gust, represented by the mean plus three rms as discussed in Section 4.2, were measured at locations 7, 8, 10, and 11 with values ranging from 93 to 107 percent of U_∞. Reference locations 1 and 2 had peak gusts up to 68 and 72 percent of U_∞ while an open-country environment might show values of 75 to 85 percent of U_∞.

Velocity data of Table 2 integrated with local wind data shown in Table 3 are shown in Figure 9. Based on the data in this figure, the windiest locations will be 8, 10, and 13 which will be uncomfortable for walking about 20, 8 and 9 percent of the time, respectively, for mean winds. Other locations about the building experienced relatively moderate winds. Wind gusts appear to be of less concern than mean wind effects.

The result of the pedestrian wind analysis is that the winds about the One Logan Square will be found to be generally of little concern except at locations 8, 10, and 13 which will be uncomfortable for walking a reasonably small percentage of time. No areas will be considered unacceptably windy based on the acceptance criteria used.

5.3 Pressures

Table 6 shows the largest pressure coefficients and corresponding loads measured on the building for each pressure tap location. Data identified as Configuration A in Table 6 and Appendix A represent data obtained at all tap locations for 36 wind directions. Configuration B represents data obtained at selected taps at 2 degree azimuthal increments near azimuths where large pressure peaks were observed in

Configuration A to ensure that the largest peaks were obtained. Configurations C and D (see Figures 4 and 5) represent data obtained at 58 taps on three adjacent buildings for 36 wind directions with the One Logan Square building in place (Configuration C) and removed (Configuration D). The purpose of these last two configurations was to show the influence of One Logan Square on the wind pressures on those buildings.

The largest peak pressure coefficient measured on the One Logan Square building was -2.5 measured at tap 345 near the ground on the west face of the building. Flow visualization results are consistent with this measurement. This coefficient represents, for the 100-yr recurrence winds used in Table 5, an outward-acting peak cladding pressure of 92 psf.

Figure 10 shows that most areas on the building had pressures ranging from 30 to 50 psf for the 100-yr recurrence wind.

Shear and moment diagrams were calculated from the pressure data for the tower and hotel structures separately. Figure 11 shows load, shear and moment diagrams, plotted using data from Table 7, for the two wind directions for each building for which X and Y base shears were maximum.

REFERENCES

1. Cermak, J. E., "Laboratory Simulation of the Atmospheric Boundary Layer," AIAA J1., Vol. 9, September 1971.

2. Cermak, J. E., "Applications of Fluid Mechanics to Wind Engineering," A Freeman Scholar Lecture, ASME J1. of Fluids Engineering, Vol. 97, No. 1, March 1975.

3. Cermak, J. E., "Aerodynamics of Buildings," Annual Review of Fluid Mechanics, Vol. 8, 1976, pp. 75-106.

4. Penwarden, A. D., and Wise, A. F. E., "Wind Environment Around Buildings," Building Research Establishment Report, HMSO, 1975.

5. Melbourne, W. H., "Criteria for Environmental Wind Conditions," J1. Industrial Aerodynamics, vol. 3, pp. 241-247, 1978.

6. American National Standards Institute, "American National Standard Building Code Requirements for Minimum Design Loads in Buildings and Other Structures," ANSI Standard A58.1, 1972.

7. Hollister, S. C., "The Engineering Interpretation of Weather Bureau Records for Wind Loading on Structures," Building Science Series 30--Wind Loads on Buildings and Structures, National Bureau of Standards, pp. 151-164, 1970.

8. Peterka, J. A., and Cermak, J. E., "Peak-Pressure Duration in Separated Regions on a Structure," U.S.-Japan Research Seminar on Wind Effects on Structures, Kyoto, Japan, 9-13 September 1974; Report CEP74-75JAP-JEC8, Fluid Mechanics Program, Colroado State University, September 1974.

9. PPG Glass Thickness Recommendations to Meet Architects' Specified 1-Minute Wind Load, Pittsburgh Plate Glass Industries, April 1979.

10. Shand, E. B., "Glass Engineering Handbook," Second Edition, McGraw-Hill, New York, p. 51, 1958.

FIGURES

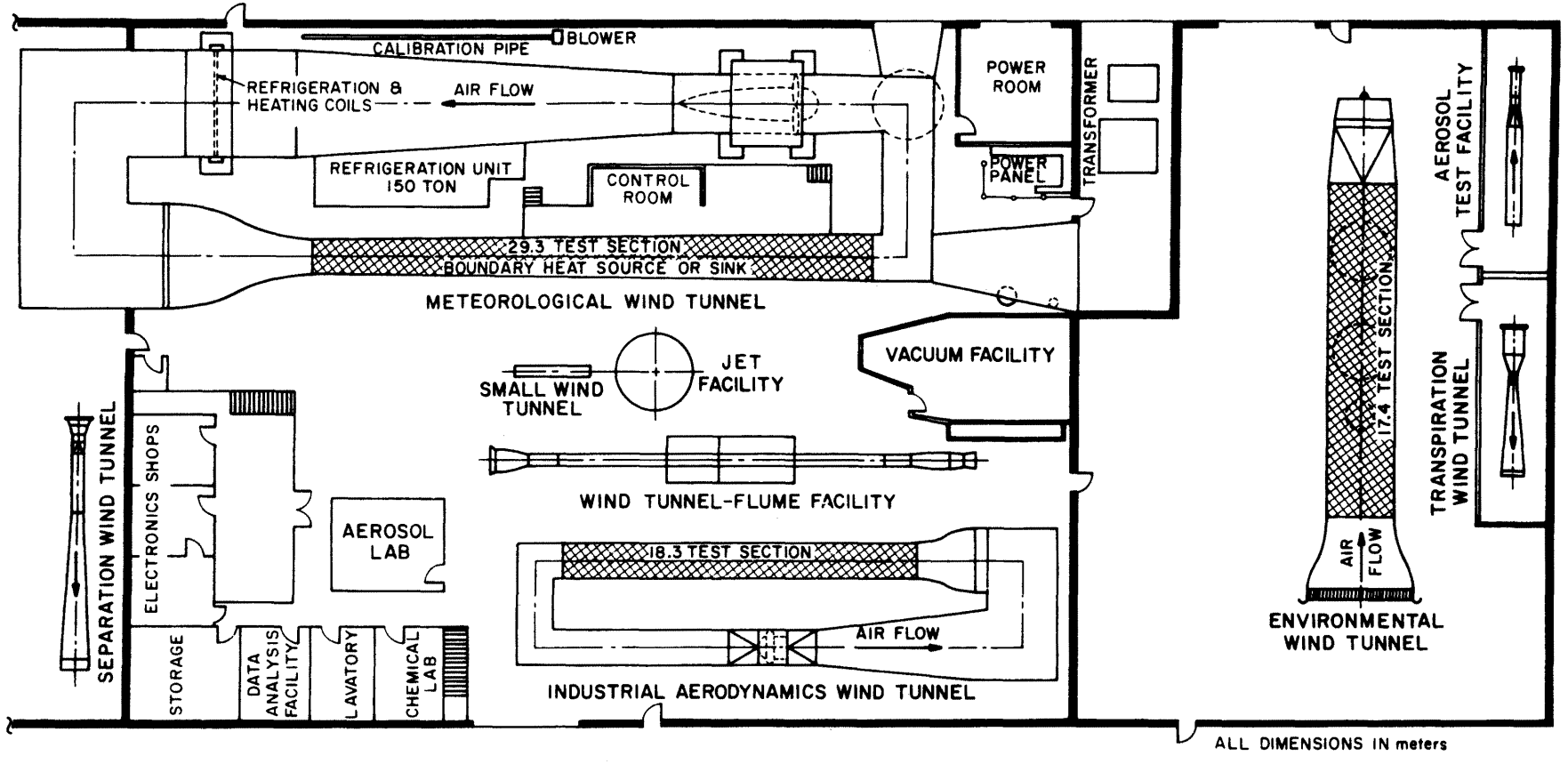
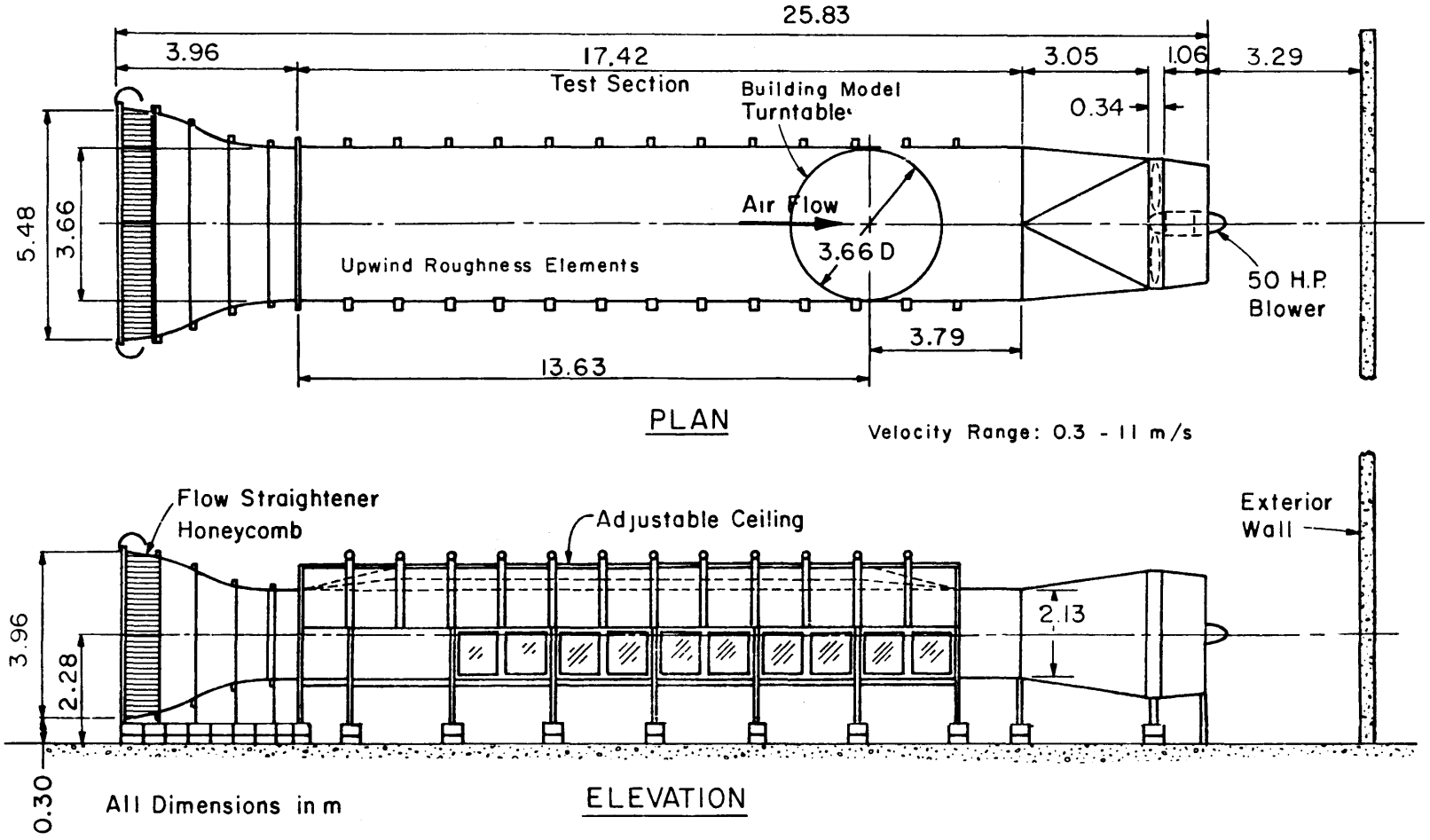


FIGURE 1 - FLUID DYNAMICS AND DIFFUSION LABORATORY
COLORADO STATE UNIVERSITY



ENVIRONMENTAL WIND TUNNEL

Figure 2 - Wind Tunnel Configuration

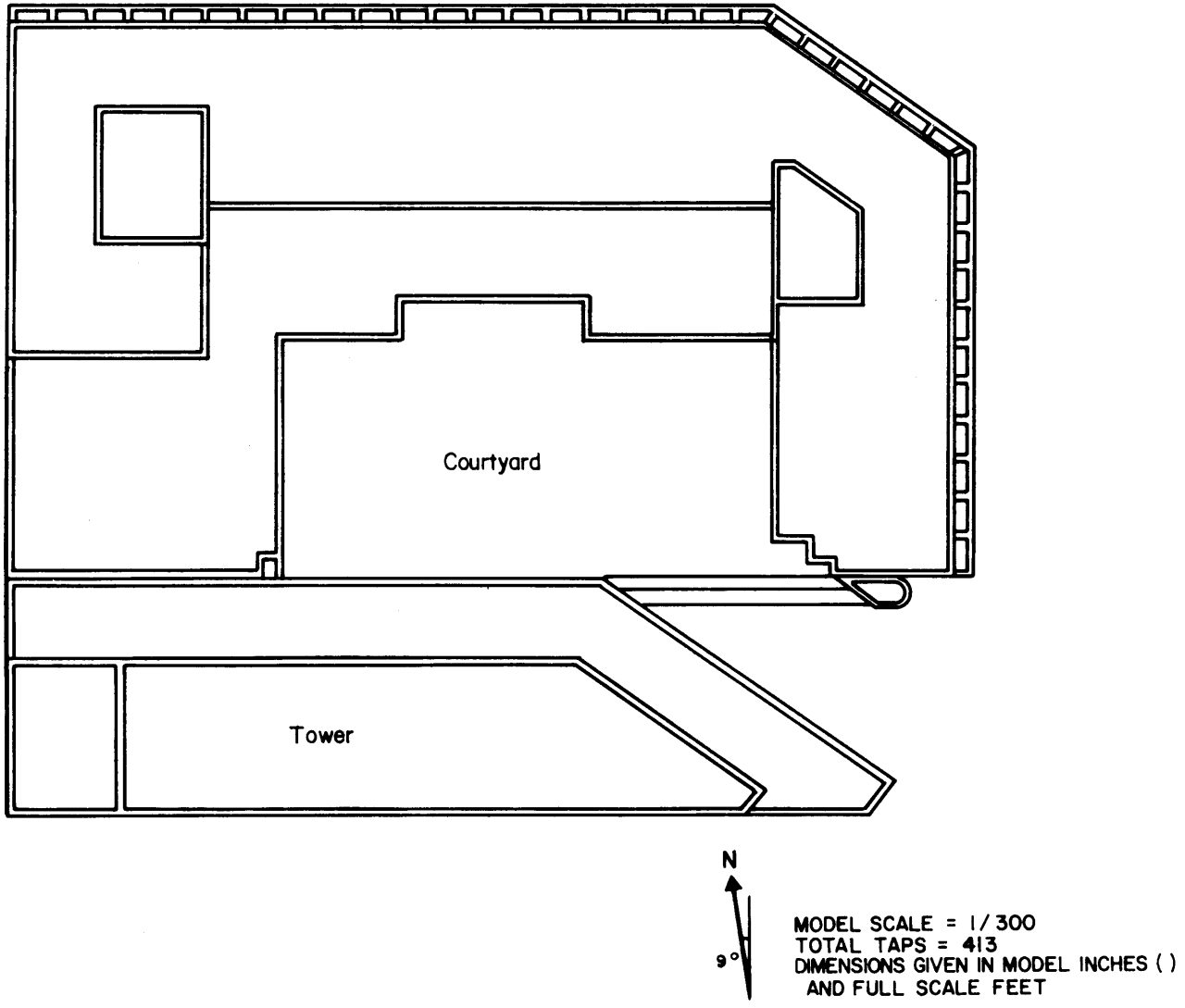
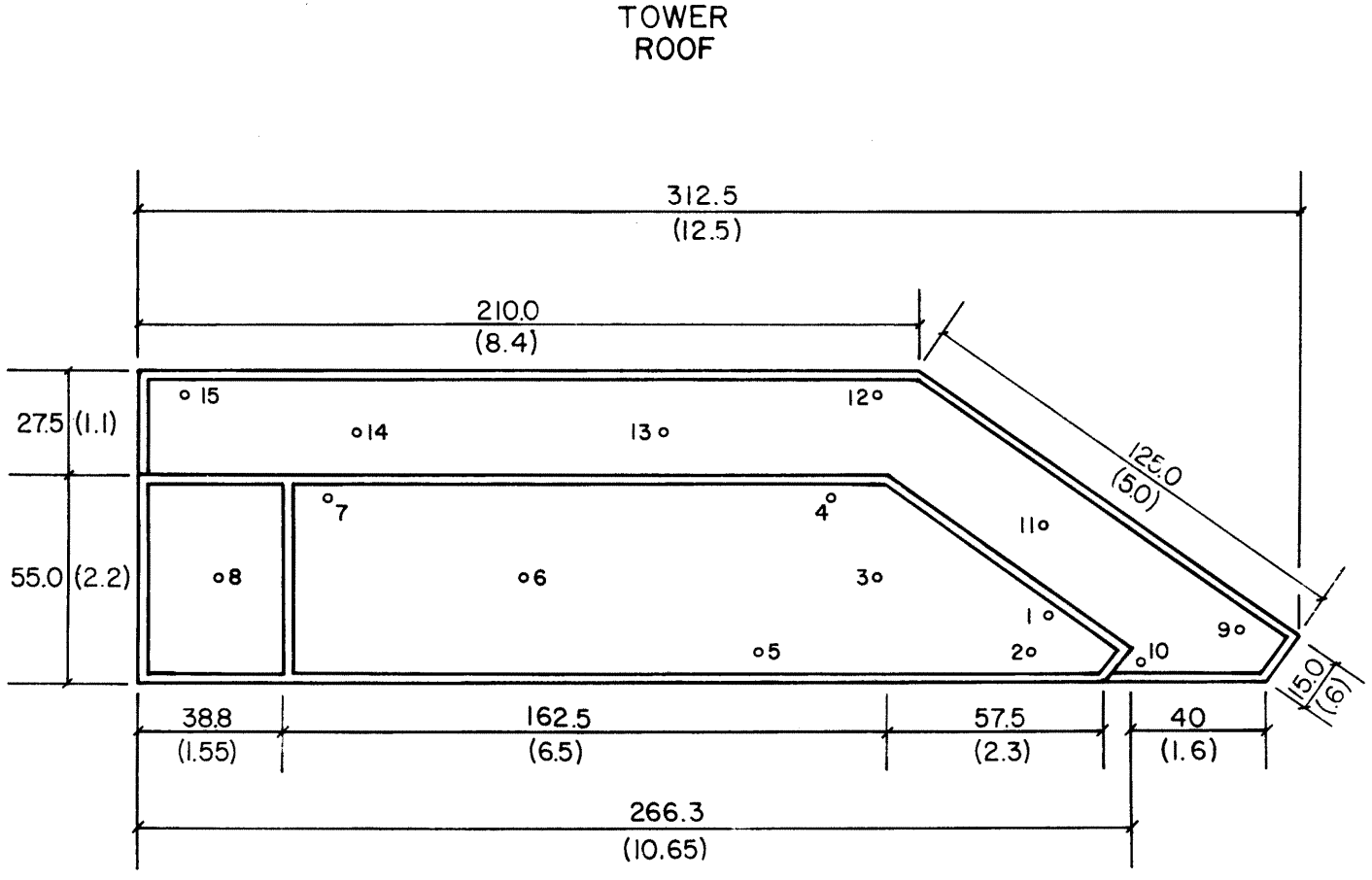


Figure 3a. Pressure Tap Locations



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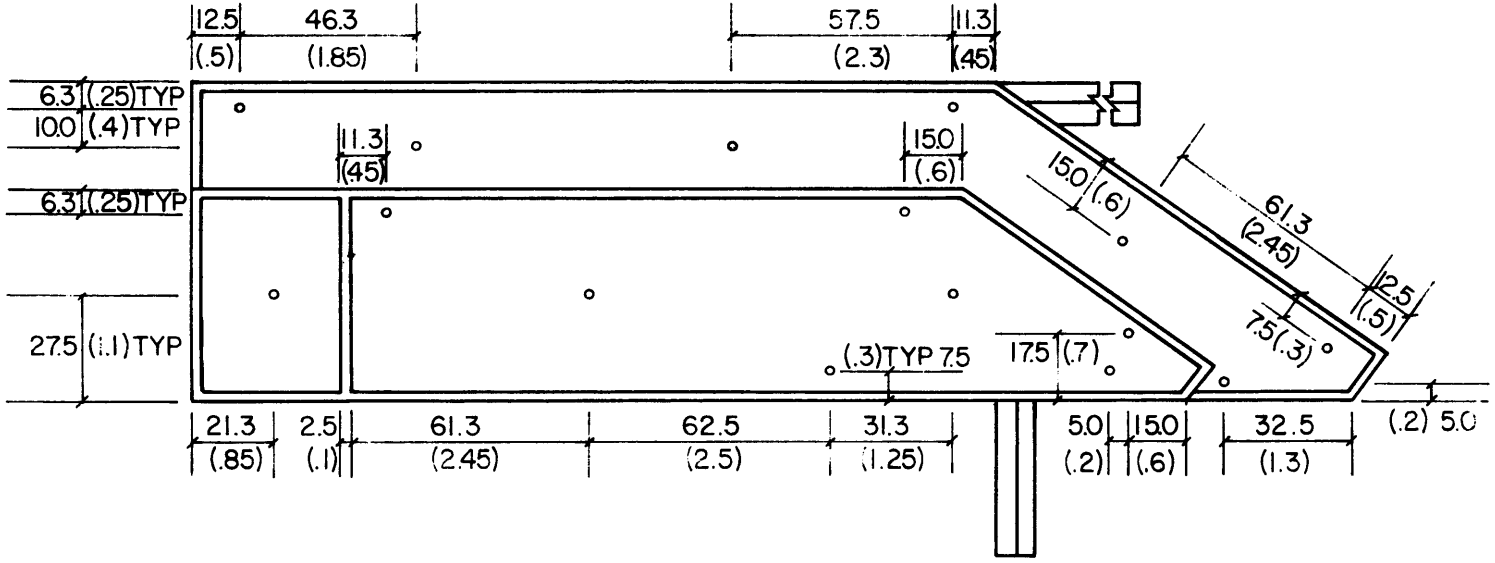


Figure 3c. Pressure Tap Locations

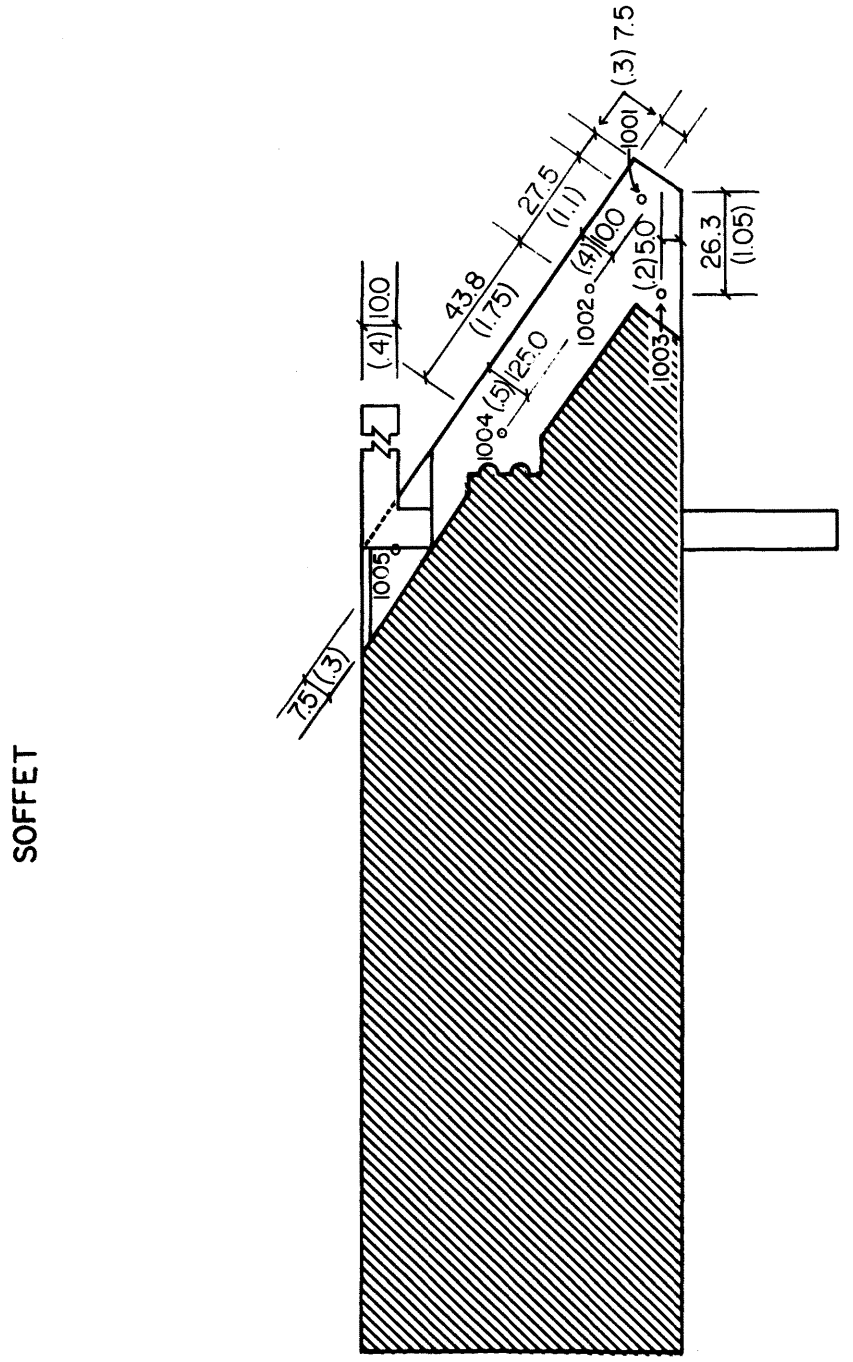


Figure 3d. Pressure Tap Locations

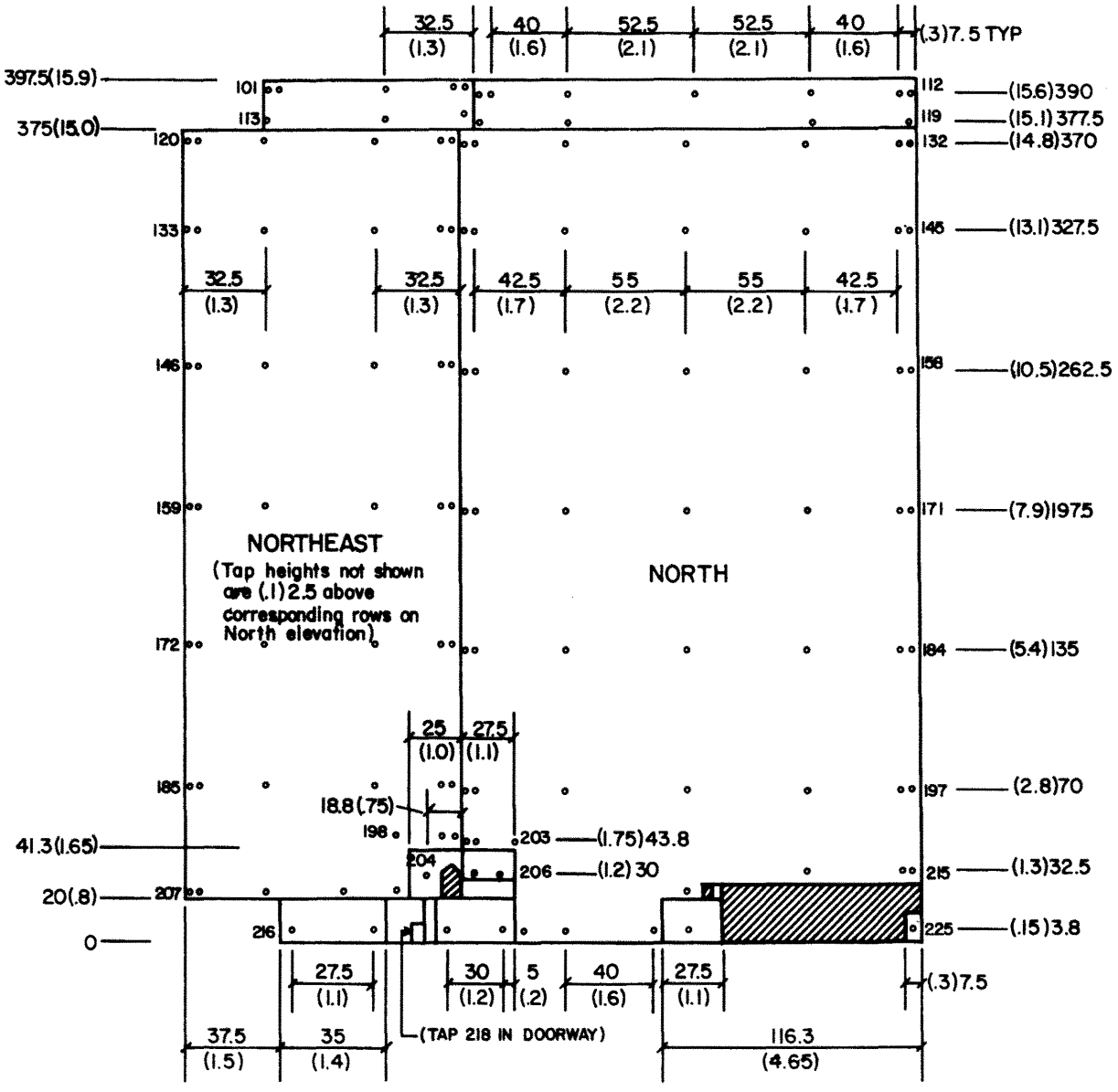
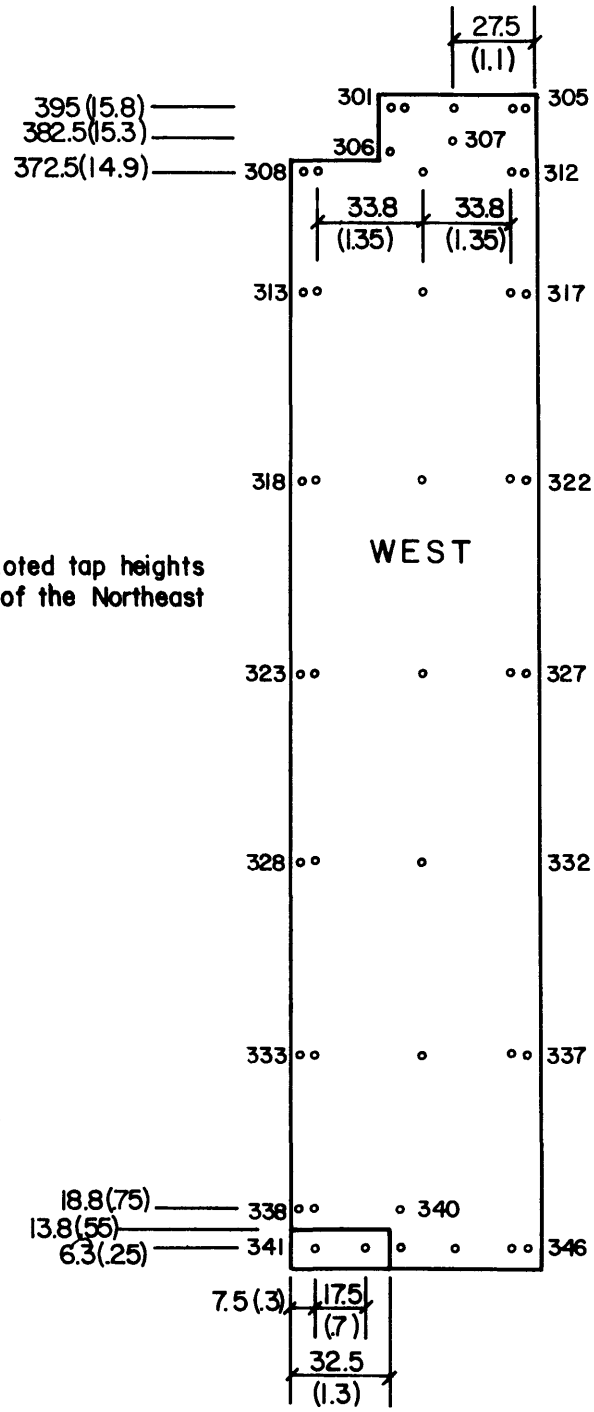
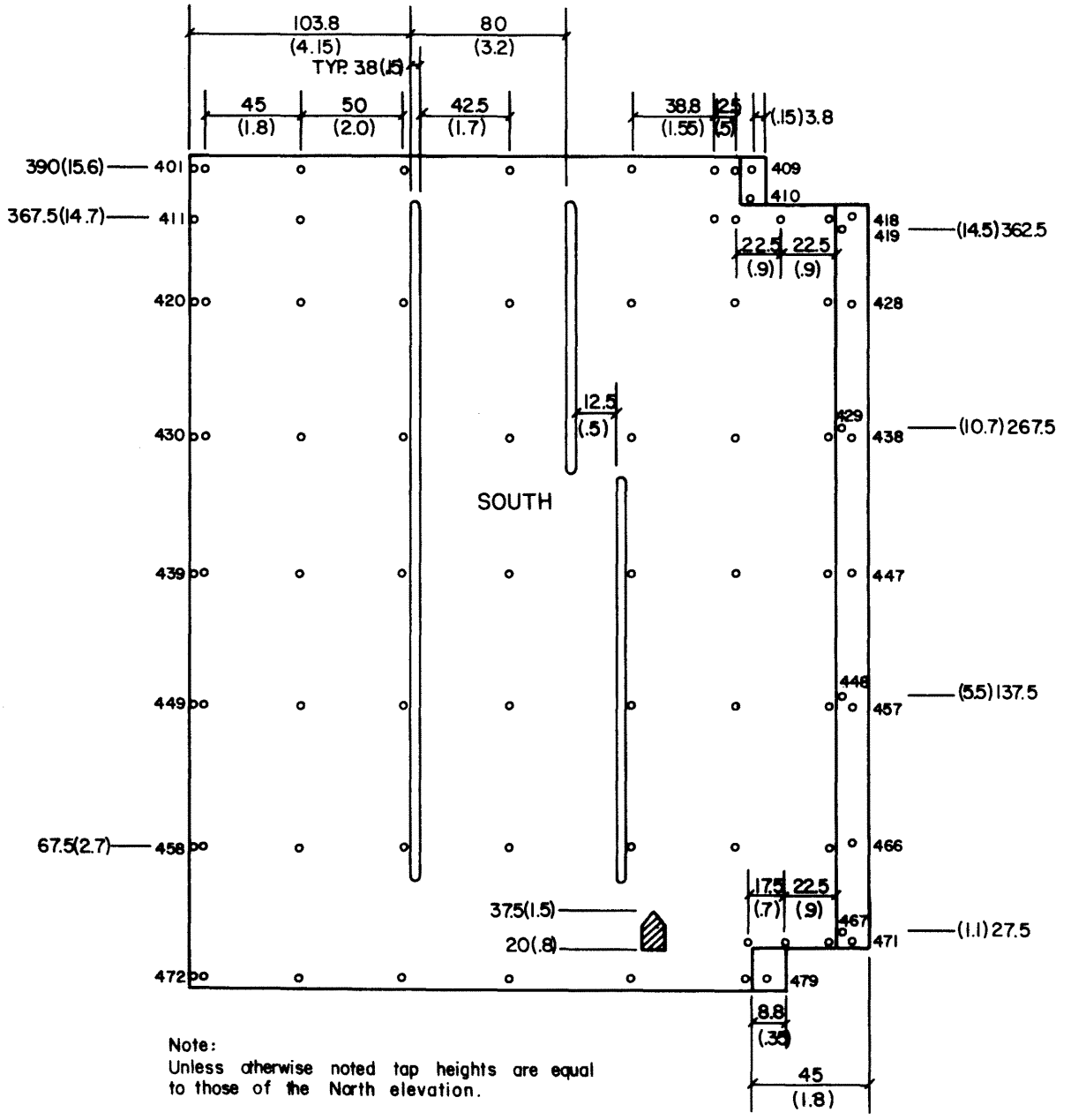


Figure 3e. Pressure Tap Locations



Note:
Unless otherwise noted tap heights are equal to those of the Northeast elevation.

Figure 3f. Pressure Tap Locations



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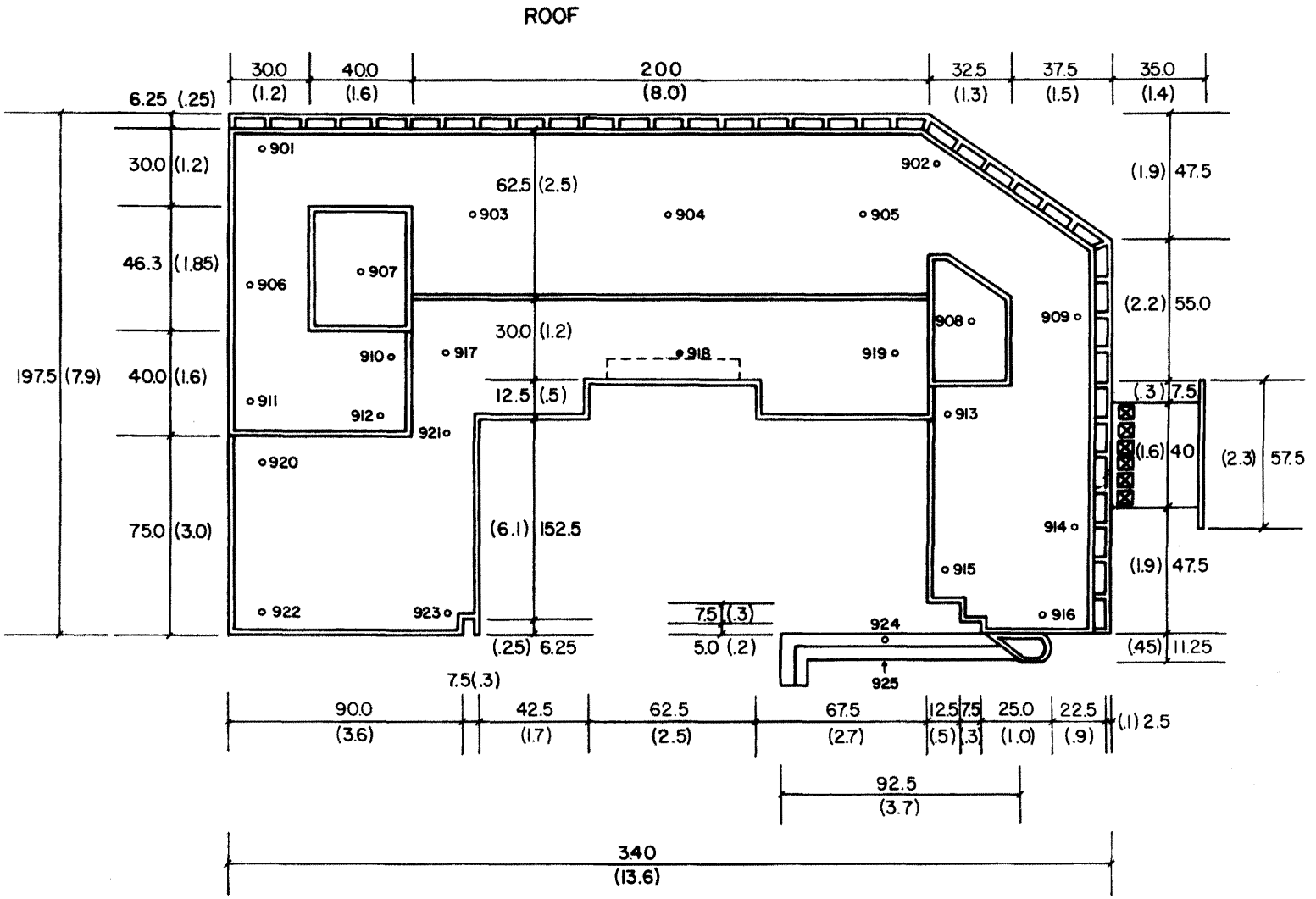
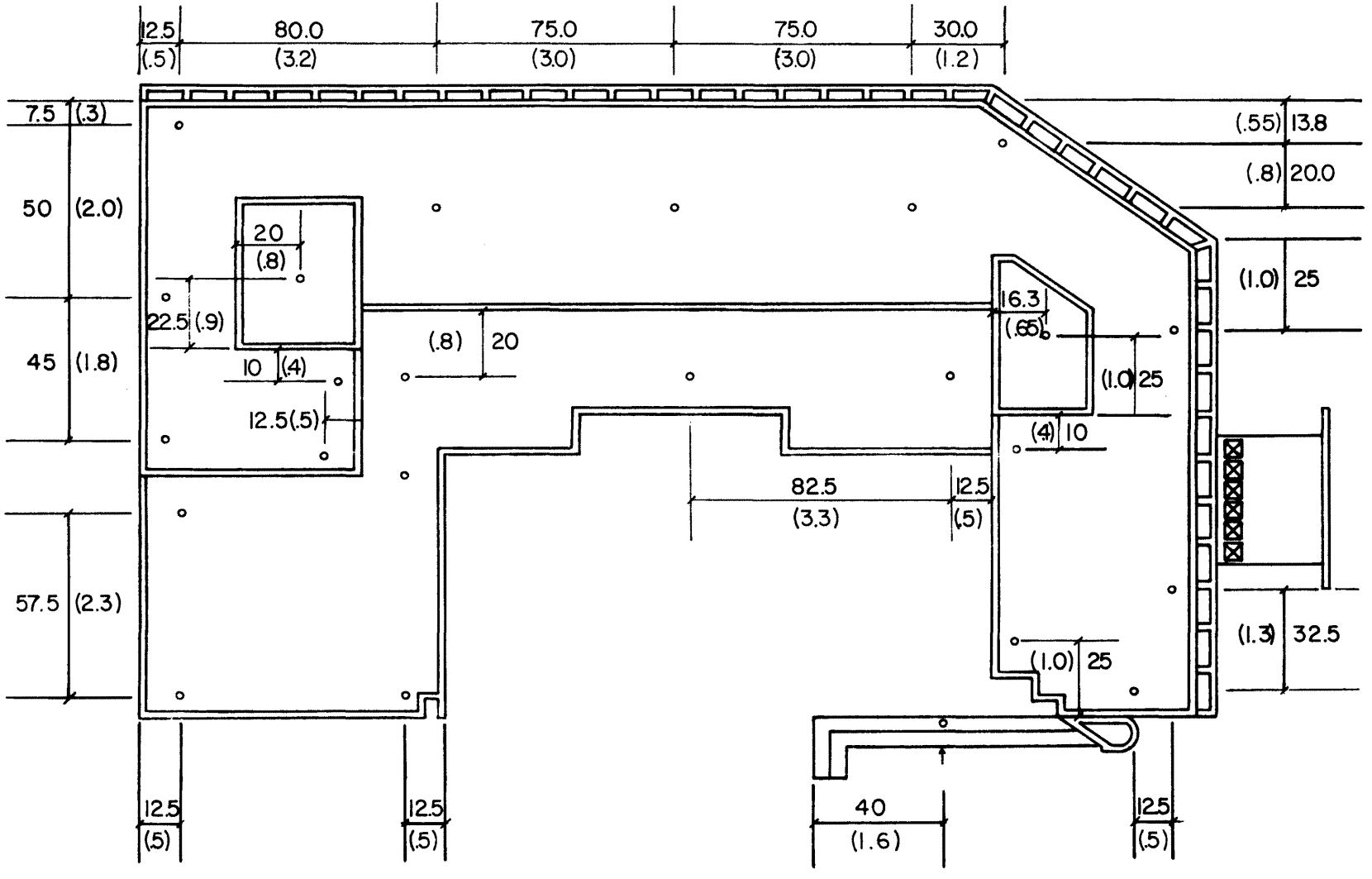


Figure 3h. Pressure Tap Locations



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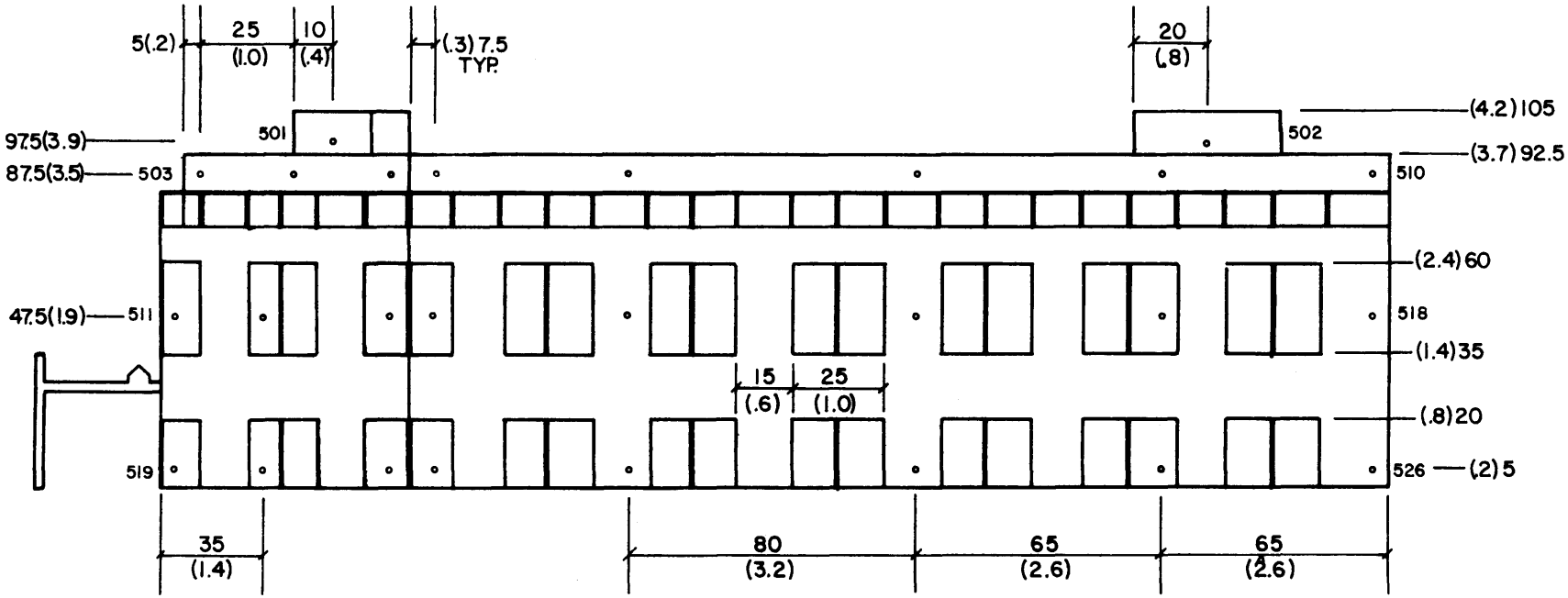


NORTH

Figure 3j. Pressure Tap Locations

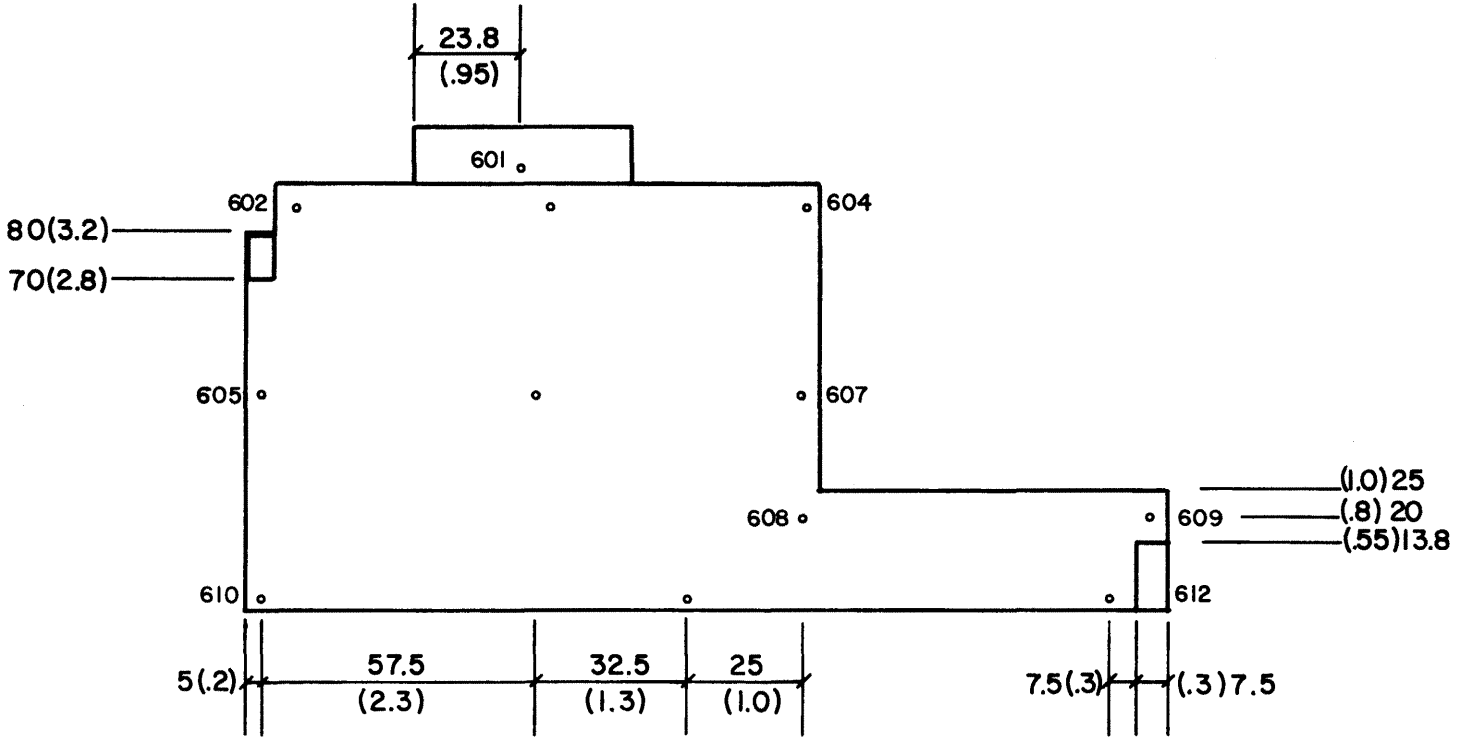
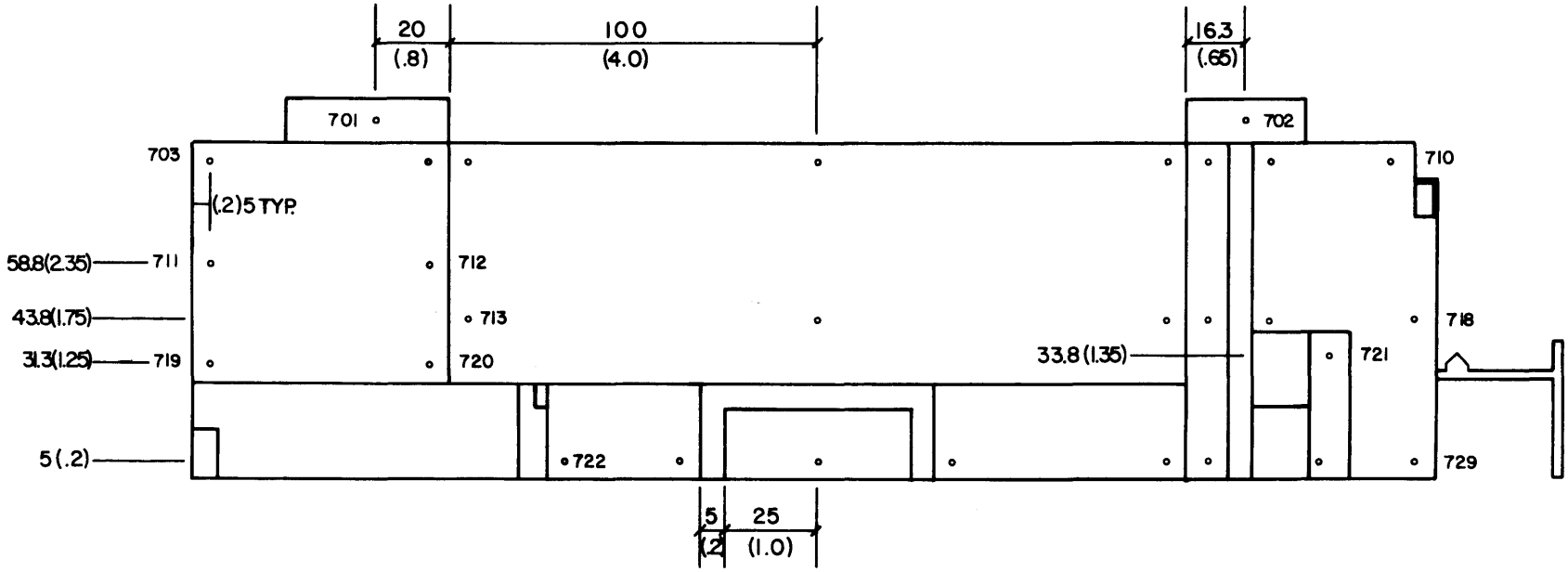


Figure 3k. Pressure Tap Locations



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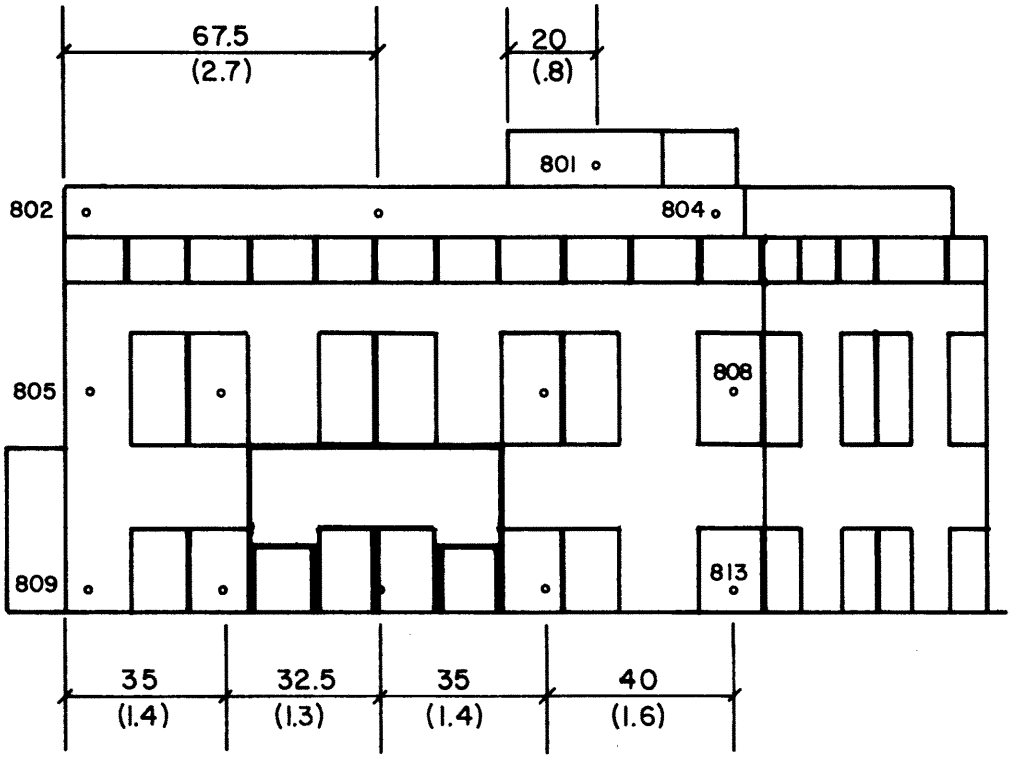

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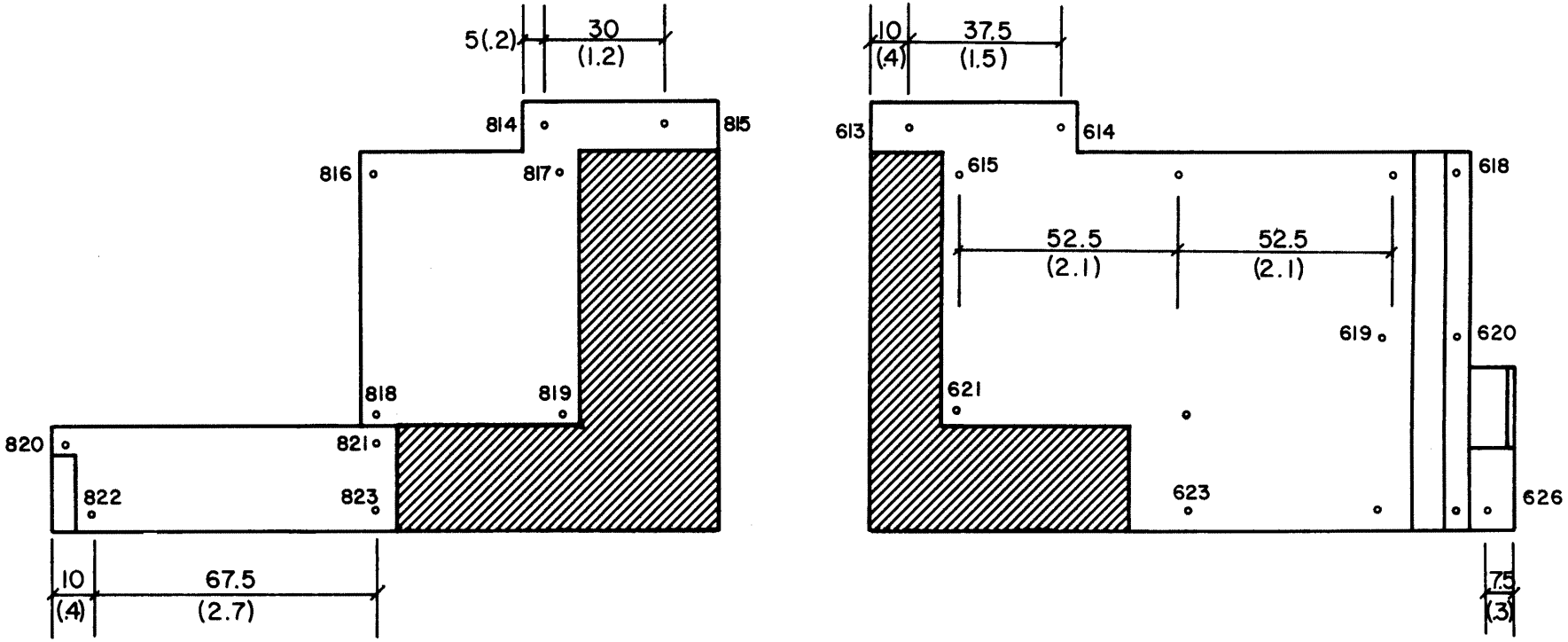
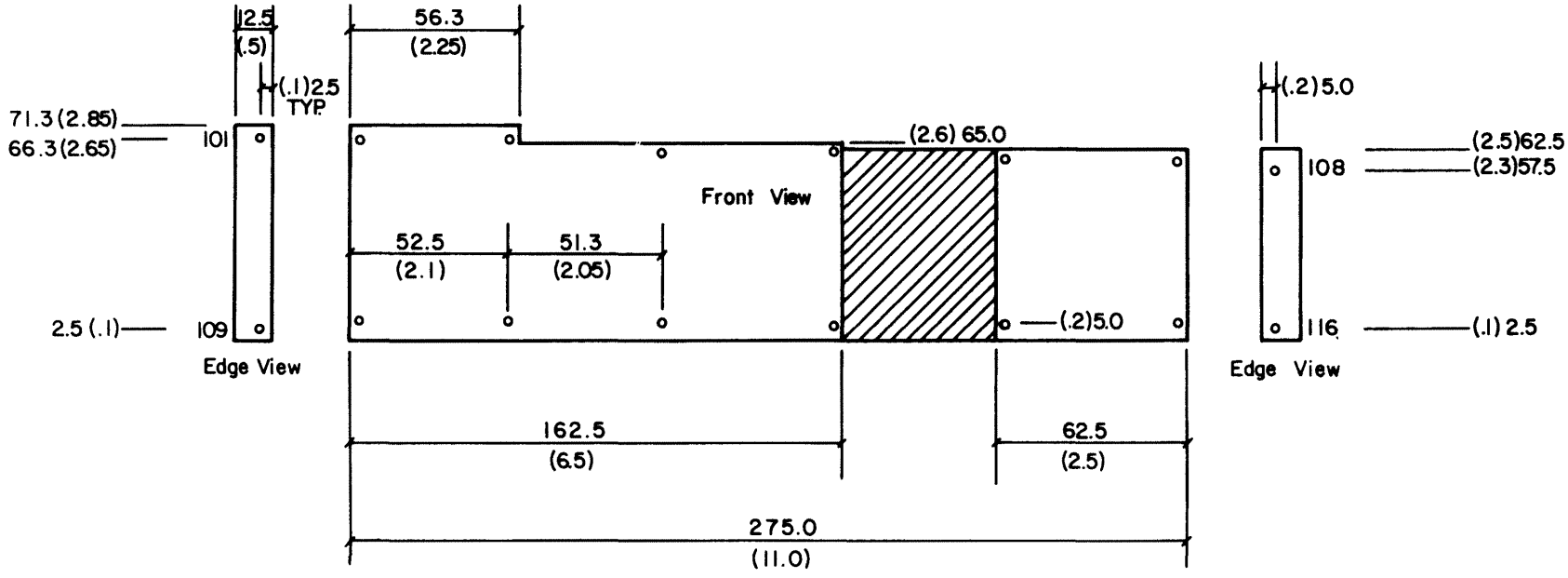
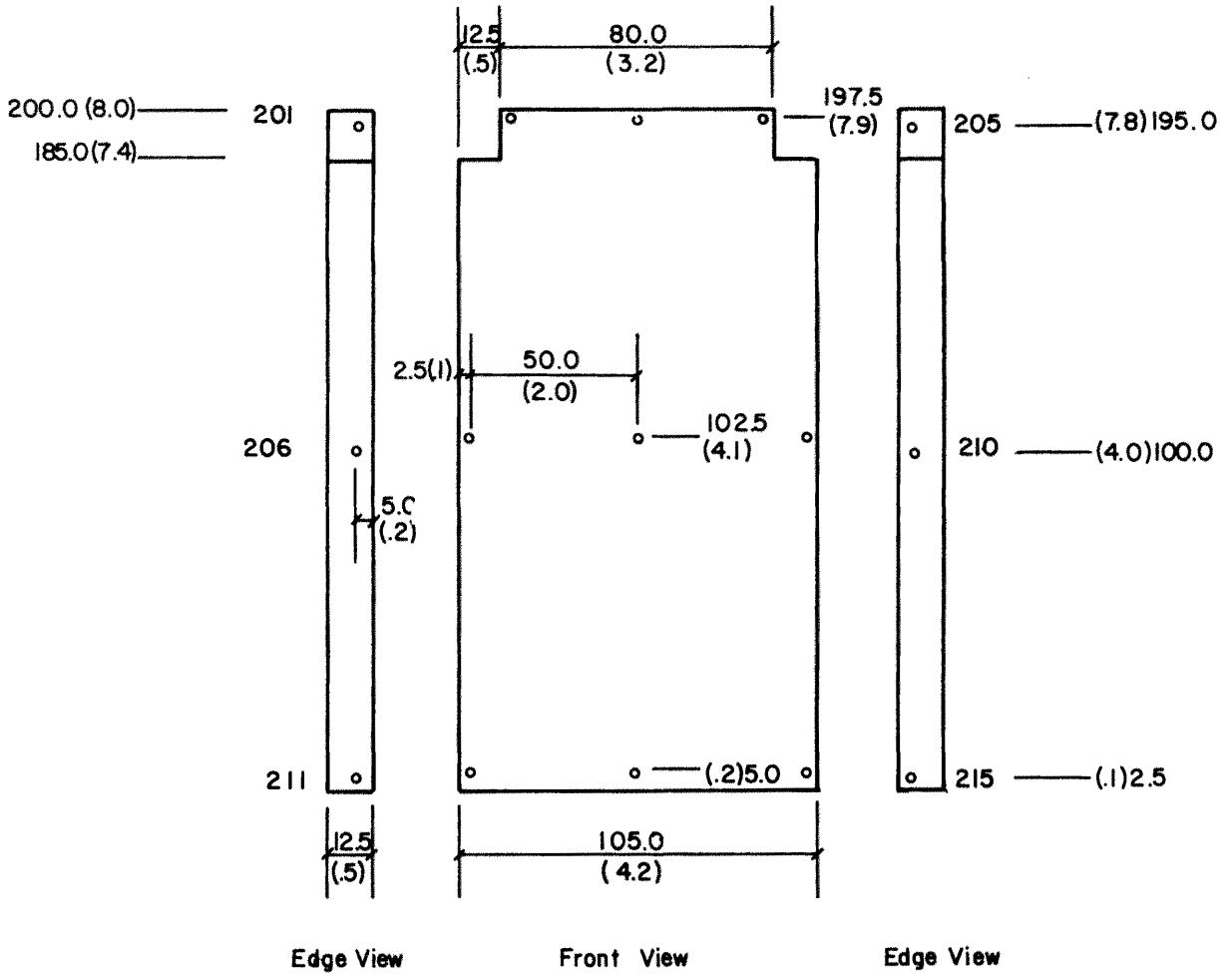


Figure 3n. Pressure Tap Locations



GROUP ONE

Figure 3o. Pressure Tap Locations



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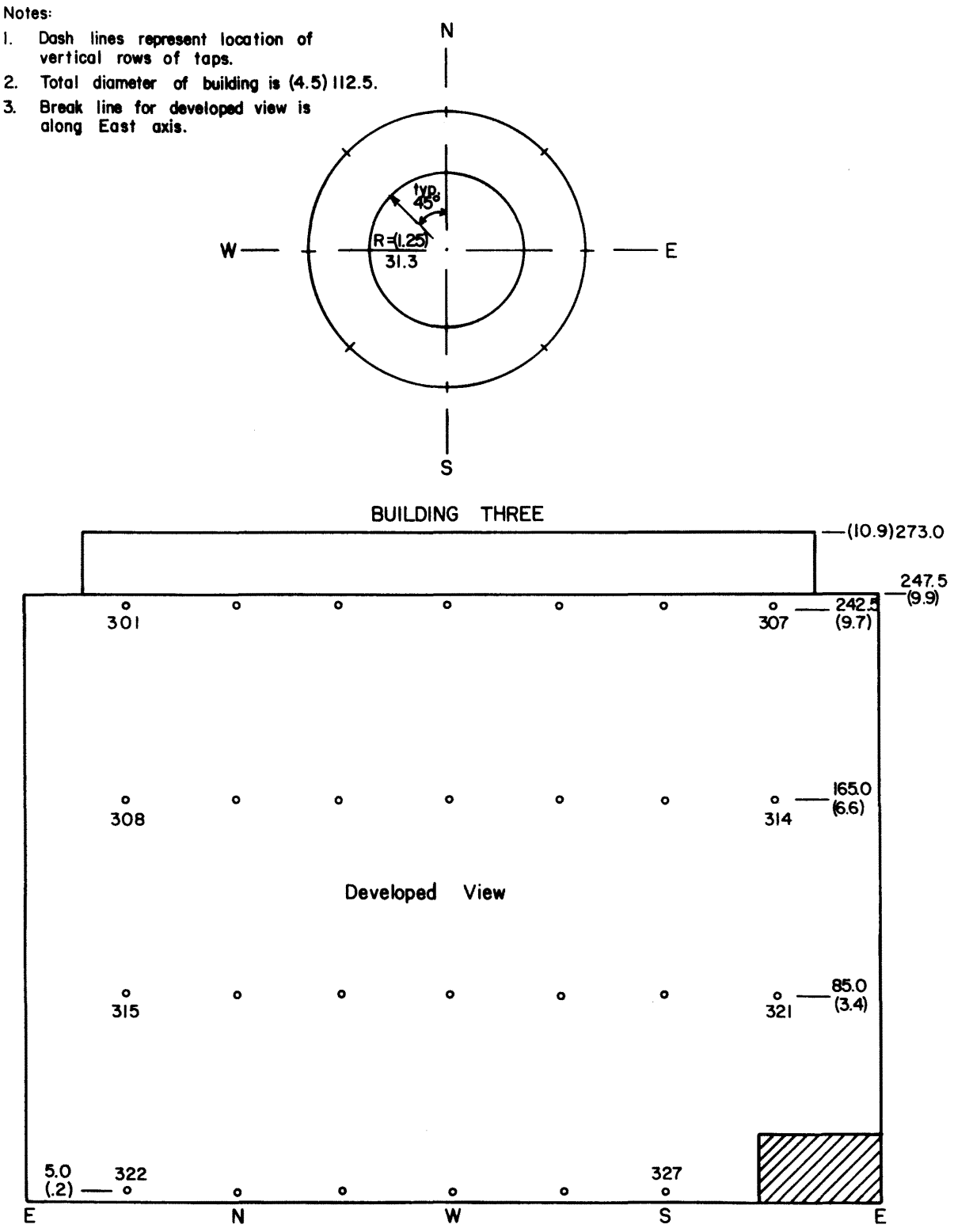


Figure 3q. Pressure Tap Locations

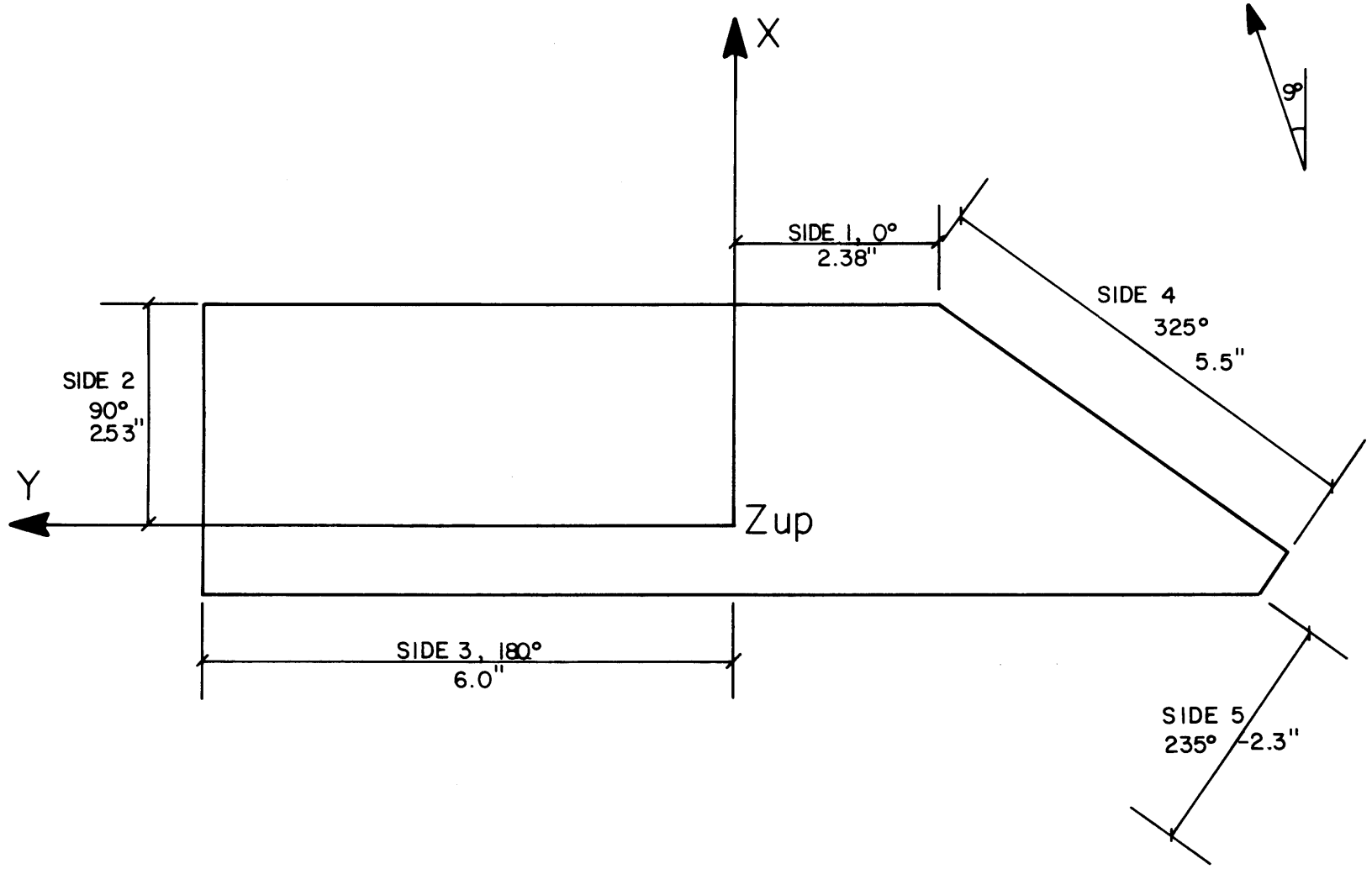


Figure 3r. Force and Moment Coordinate System

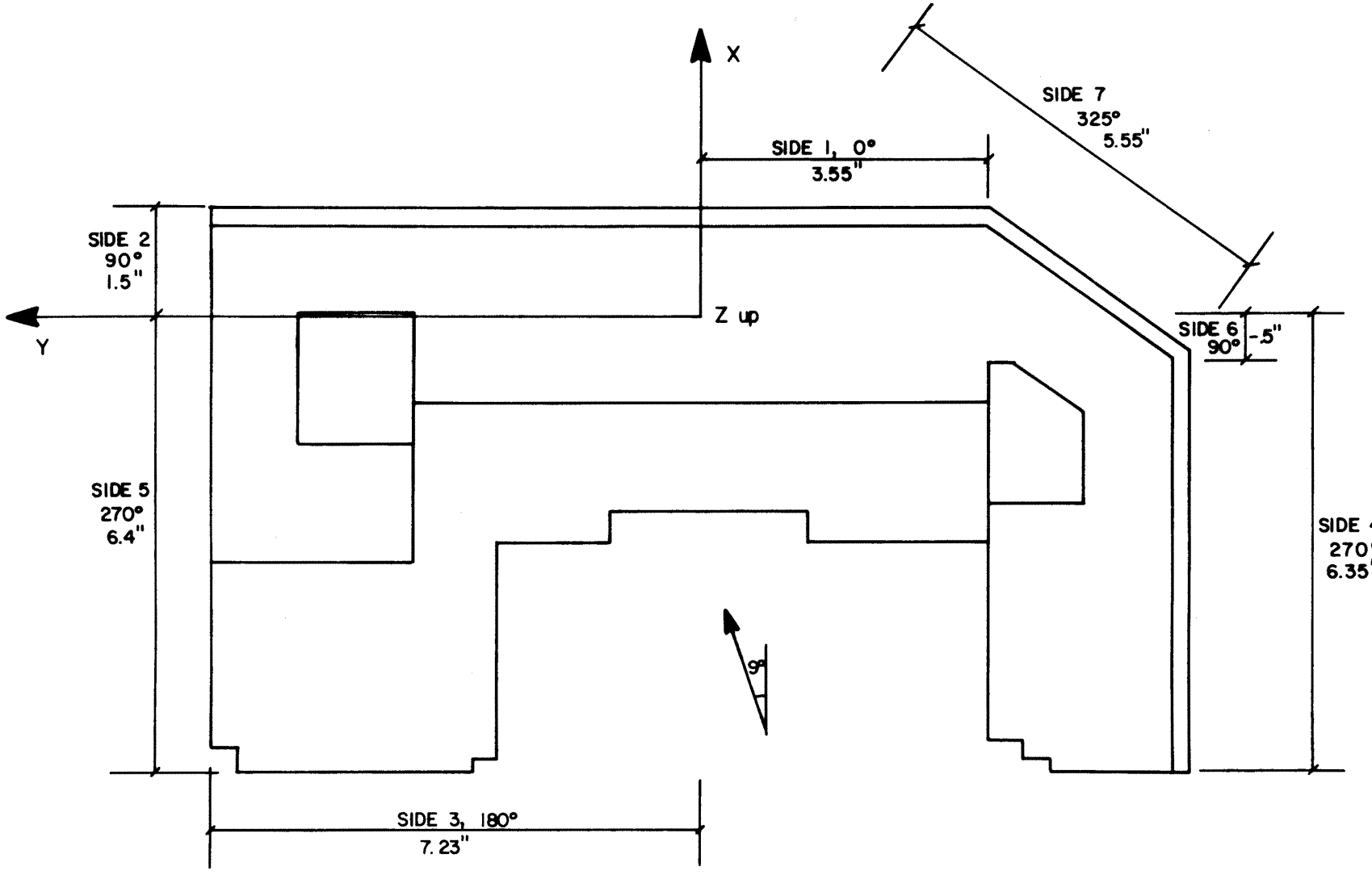


Figure 3s. Force and Moment Coordinate System

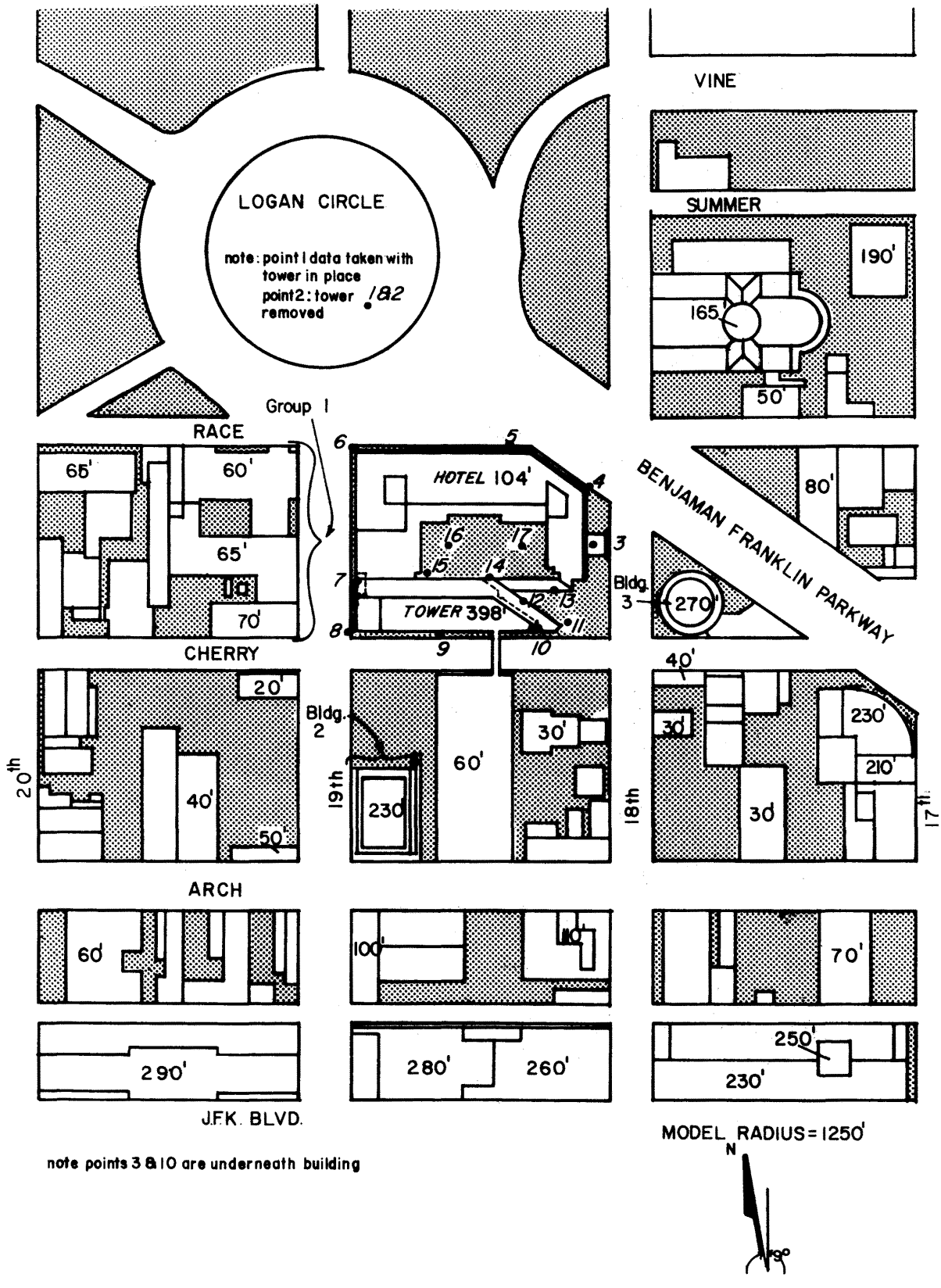
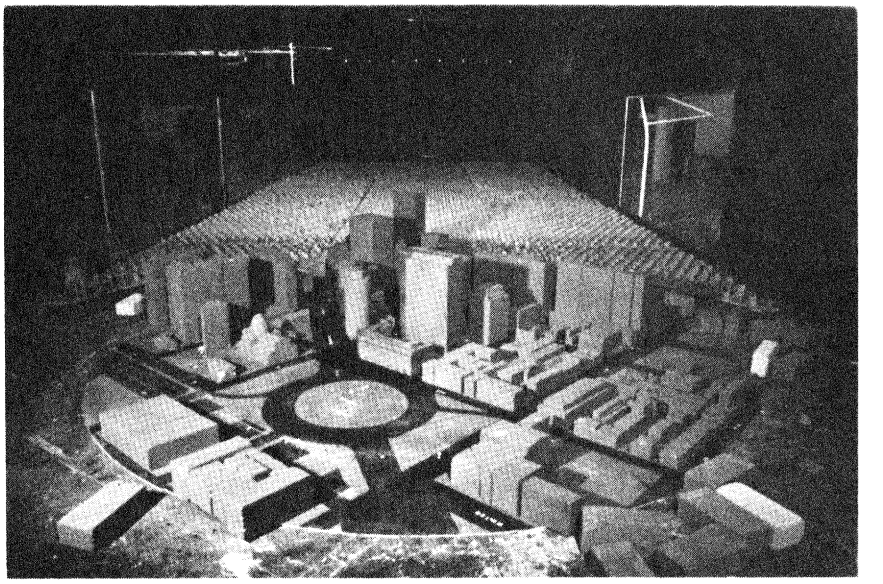
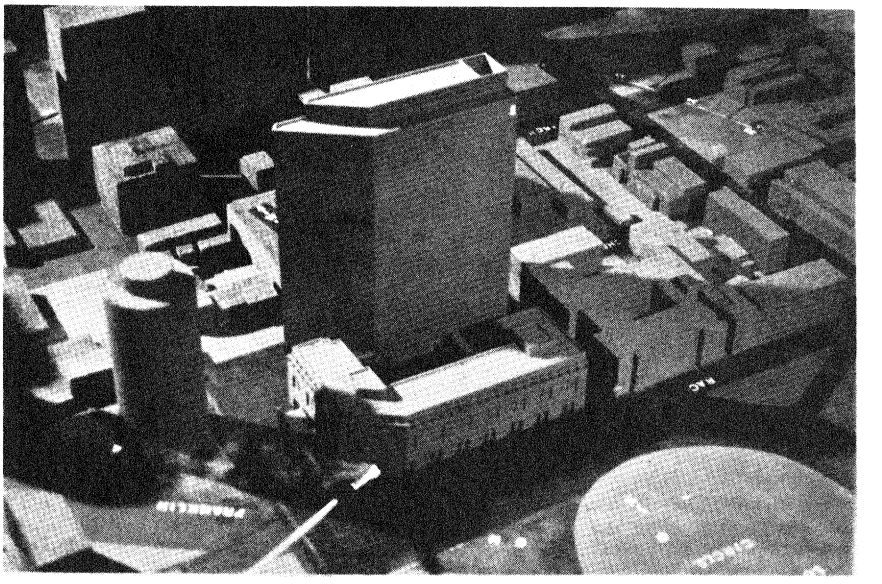


Figure 4. Building Location and Pedestrian Wind Velocity Measuring Positions

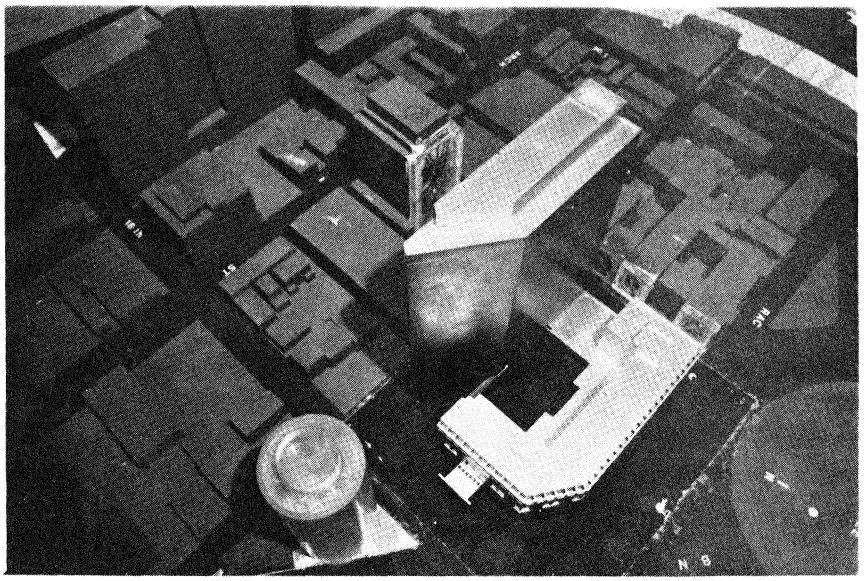


Configuration A,B



Configuration A,B

Figure 5. Completed Model in Wind Tunnel



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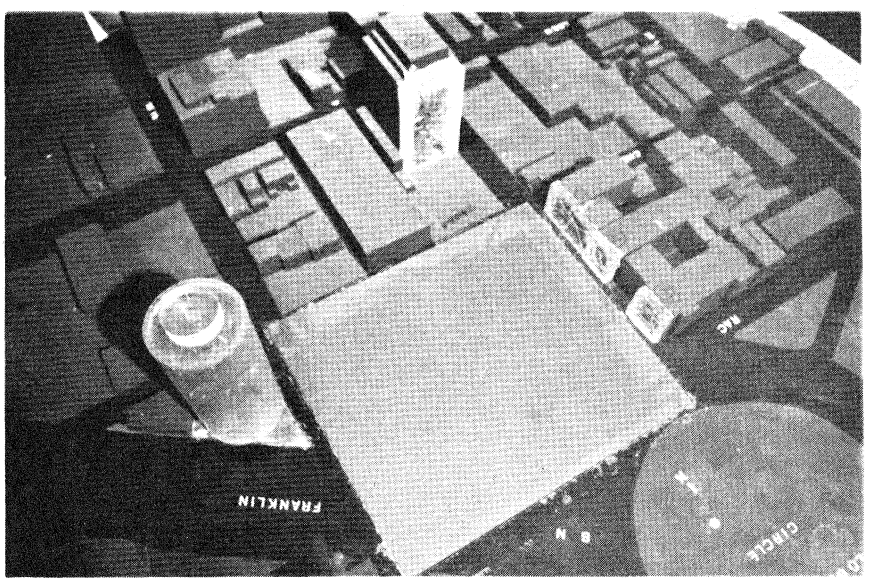


Configuration D

Figure 5. Completed Model in Wind Tunnel

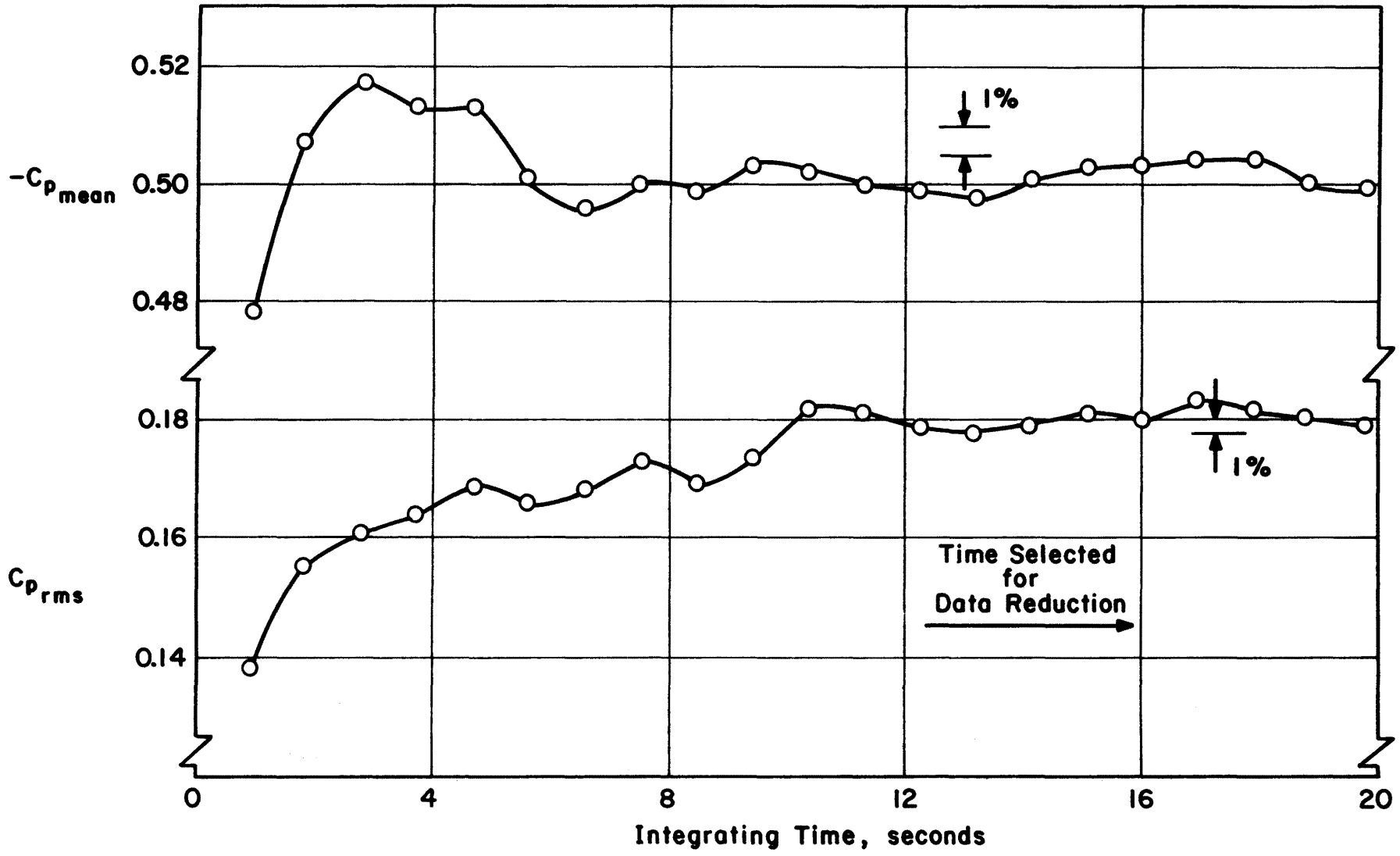


Figure 6 - Data Sampling Time Verification

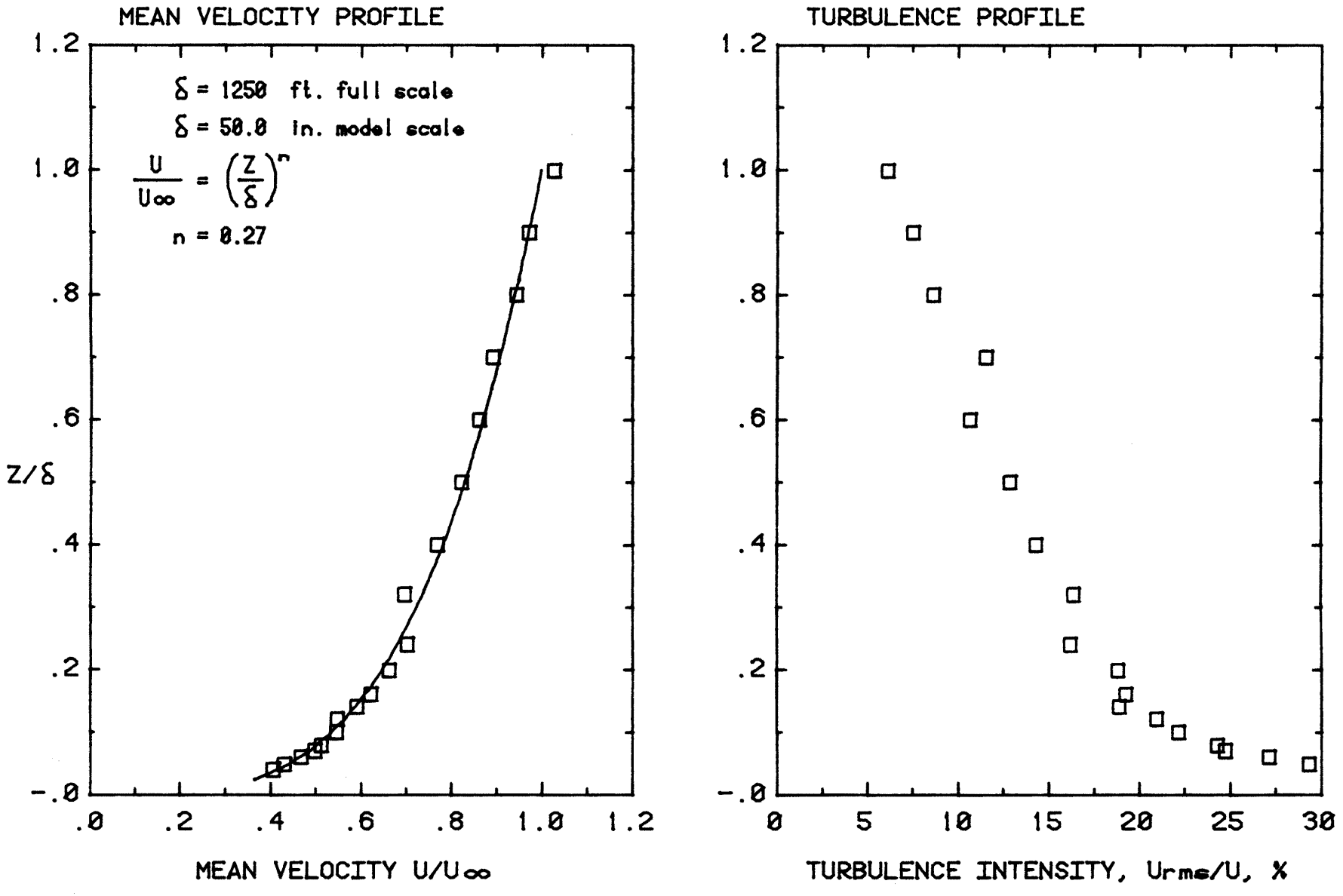


Figure 7. Mean Velocity and Turbulence Profiles Approaching the Model.

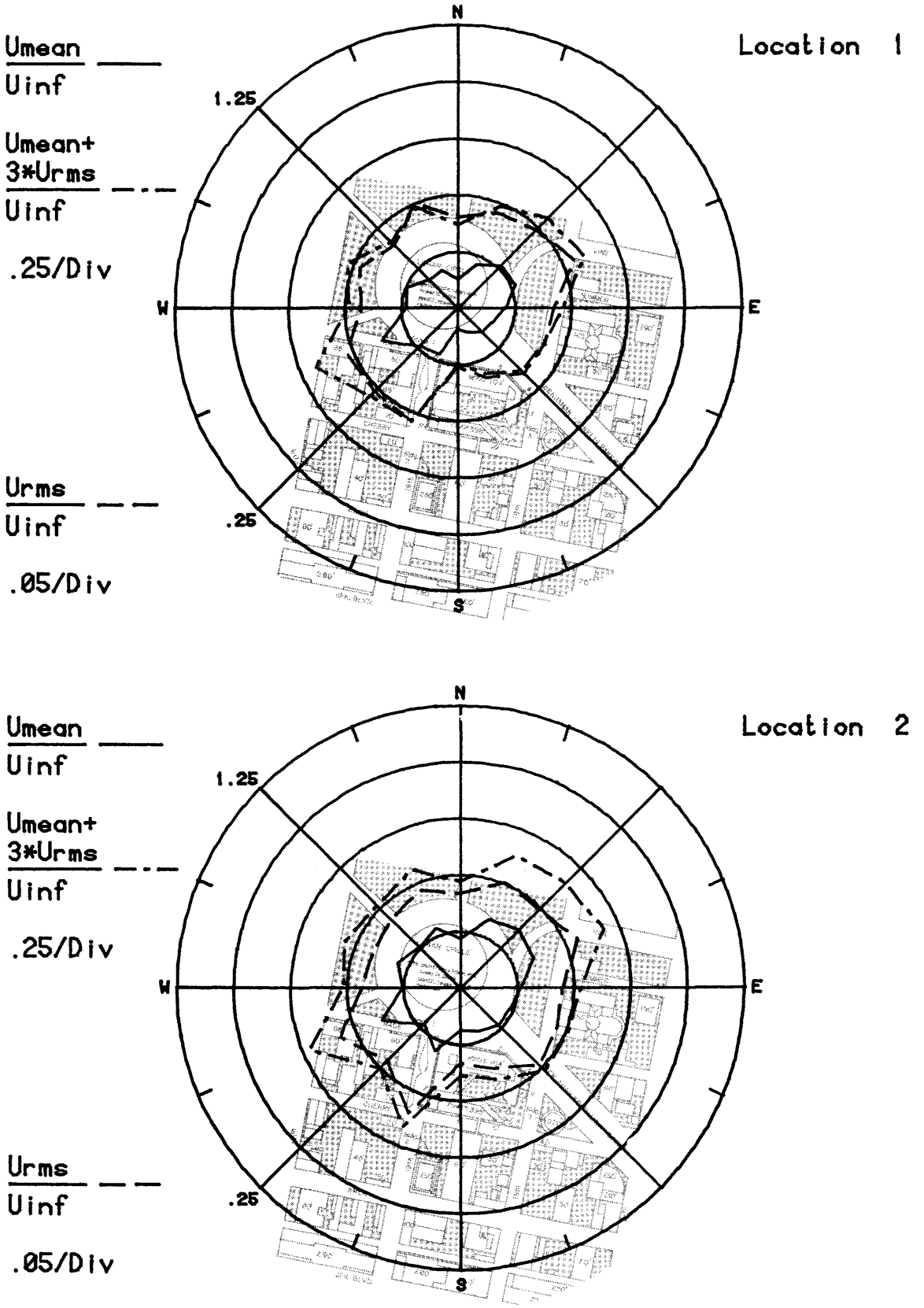


Figure 8a. Mean Velocities and Turbulence Intensities at Pedestrian Locations 1 and 2

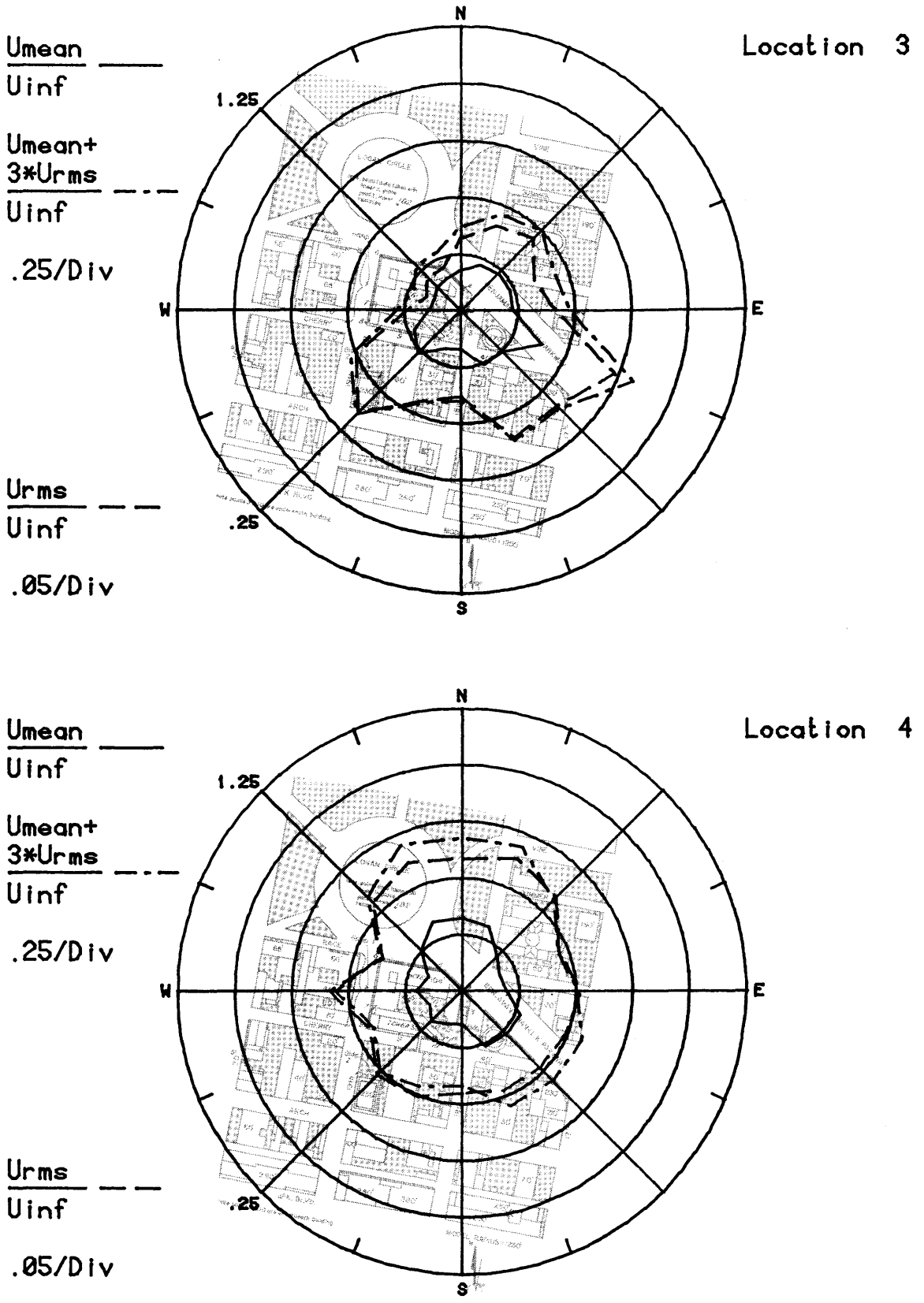


Figure 8b. Mean Velocities and Turbulence Intensities at Pedestrian Locations 3 and 4

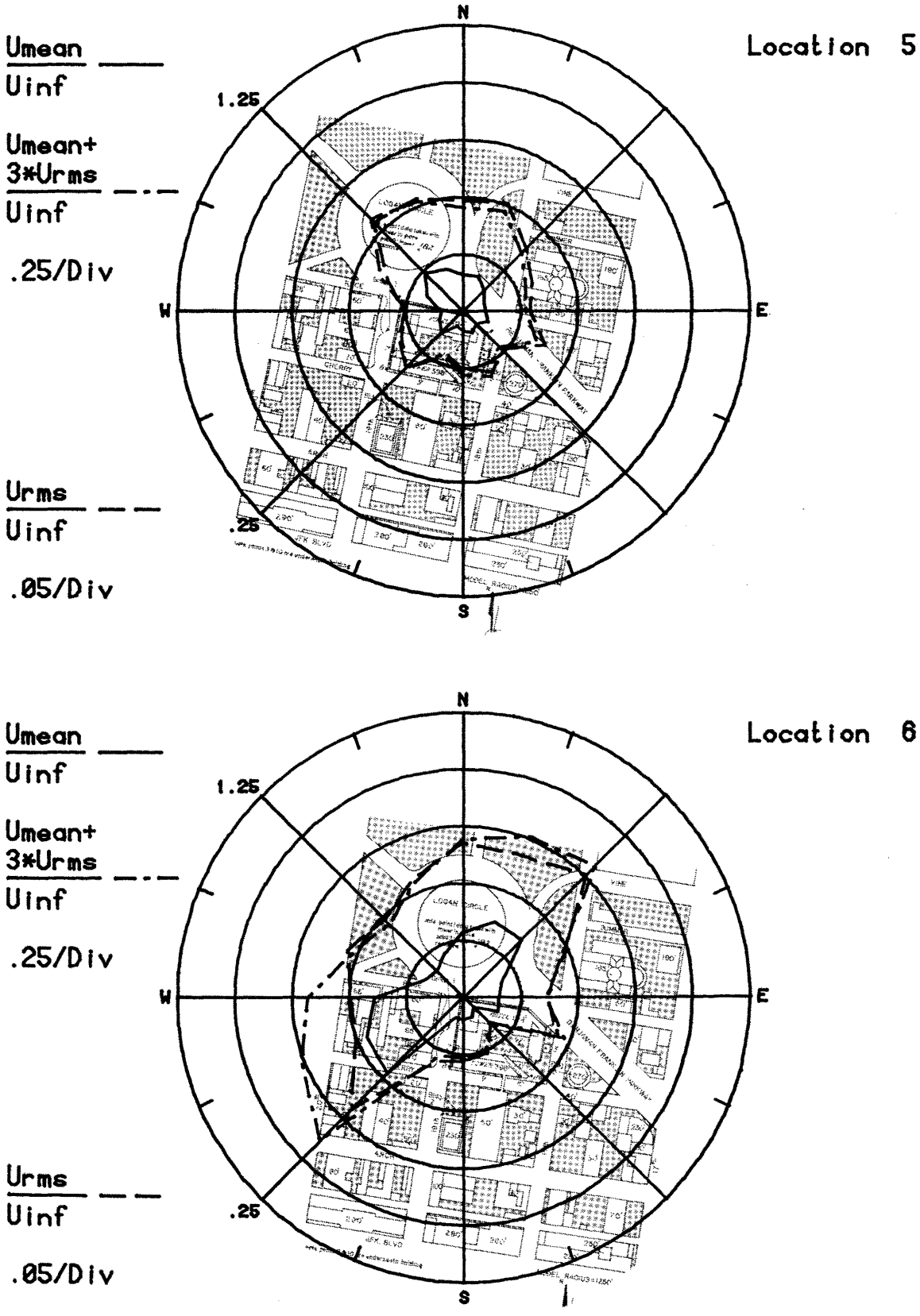


Figure 8c. Mean Velocities and Turbulence Intensities at Pedestrian Locations 5 and 6

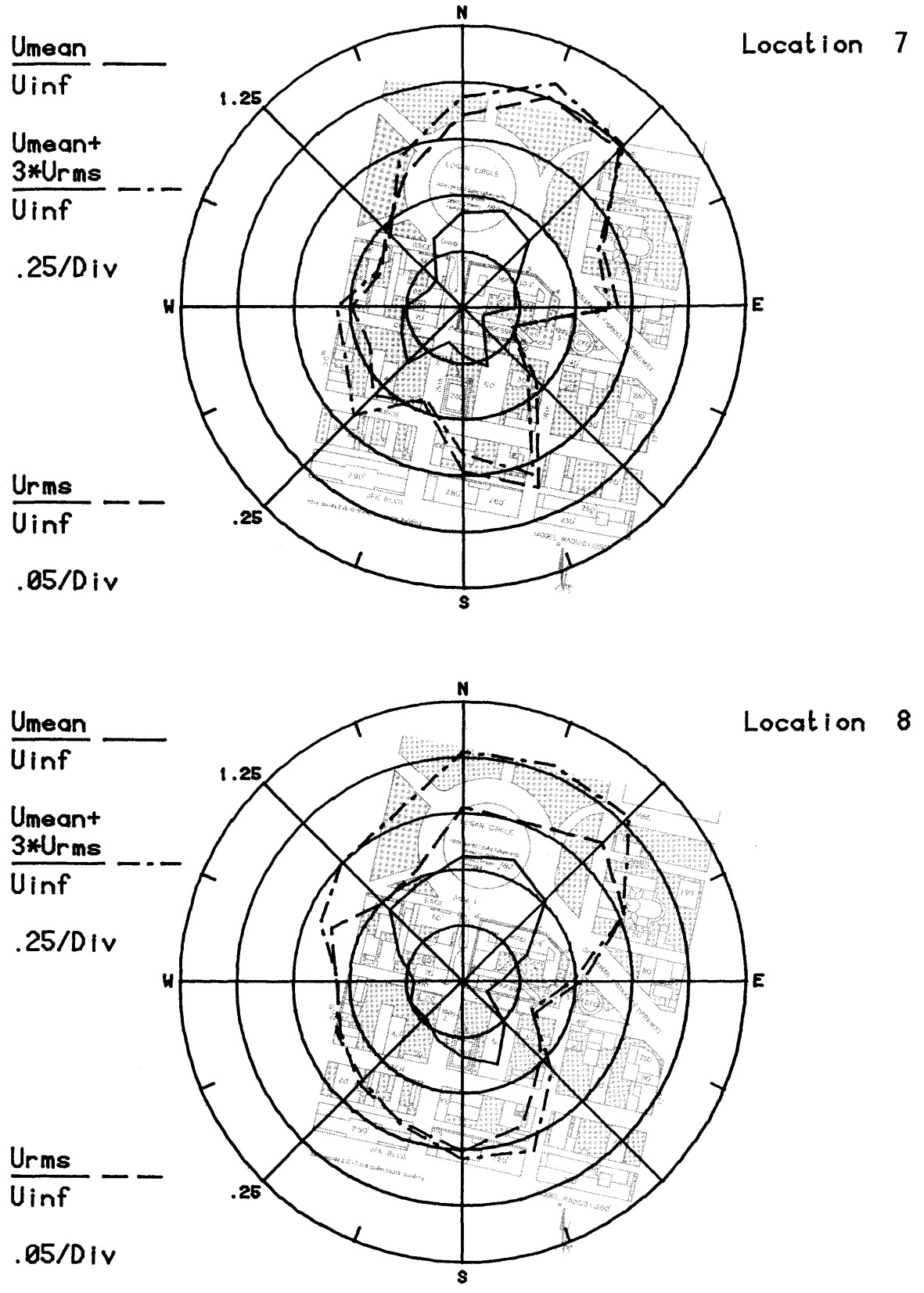


Figure 8d. Mean Velocities and Turbulence Intensities at Pedestrian Locations 7 and 8

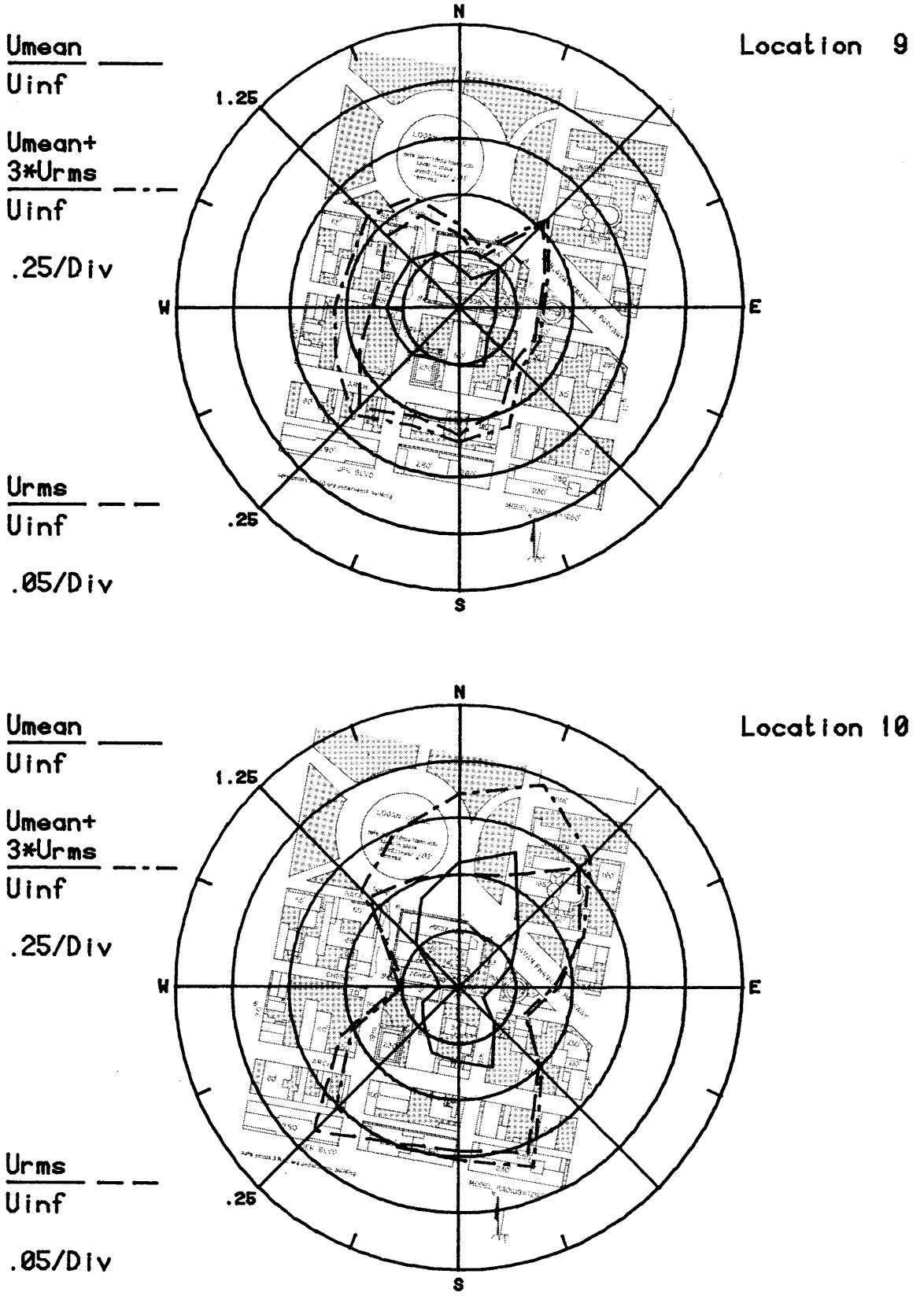


Figure 8e. Mean Velocities and Turbulence Intensities at Pedestrian Locations 9 and 10

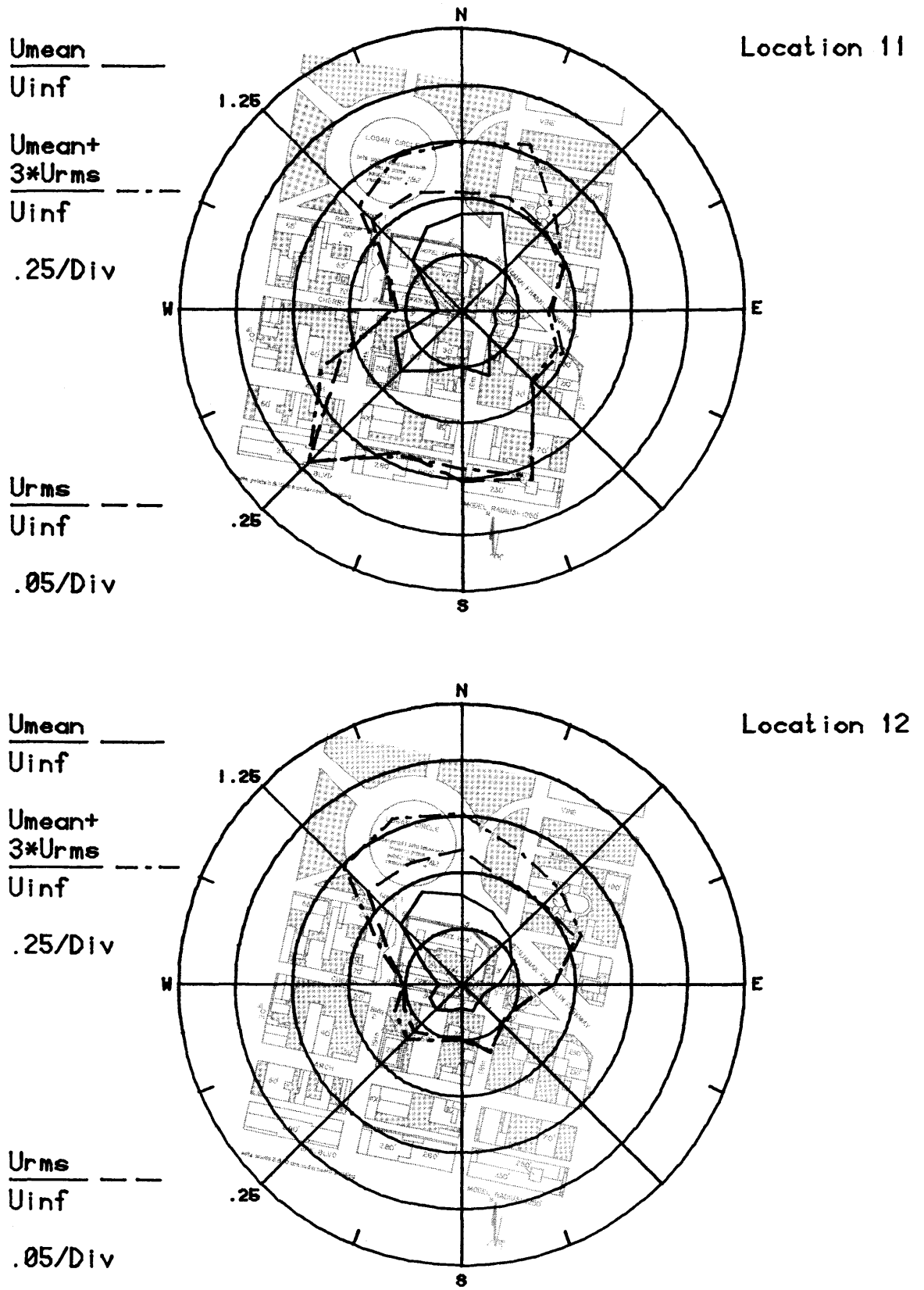
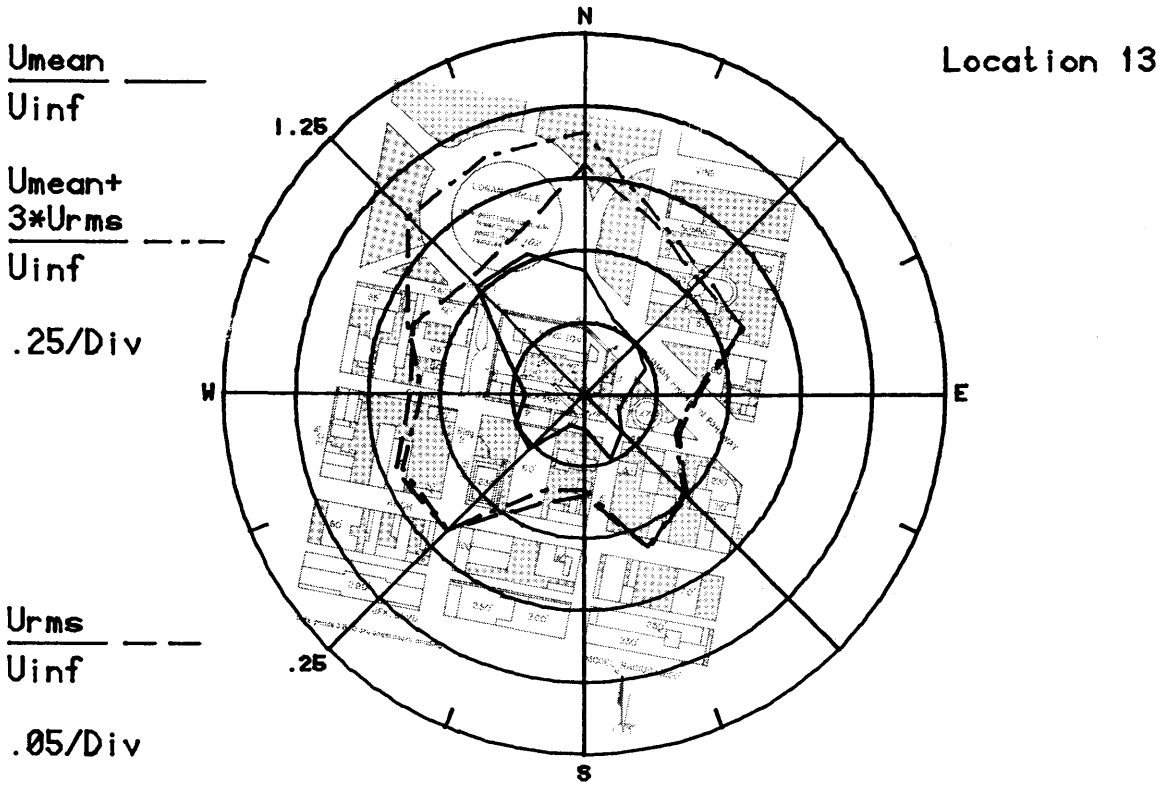
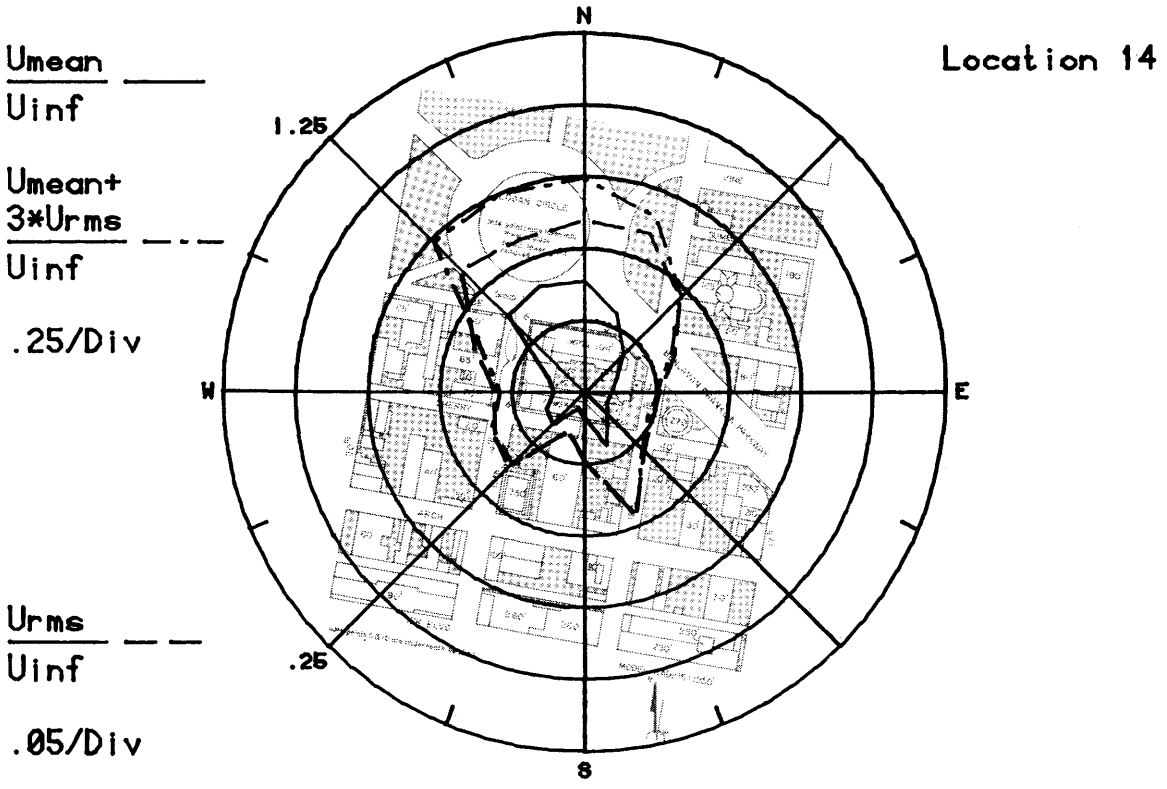


Figure 8f. Mean Velocities and Turbulence Intensities at Pedestrian Locations 11 and 12





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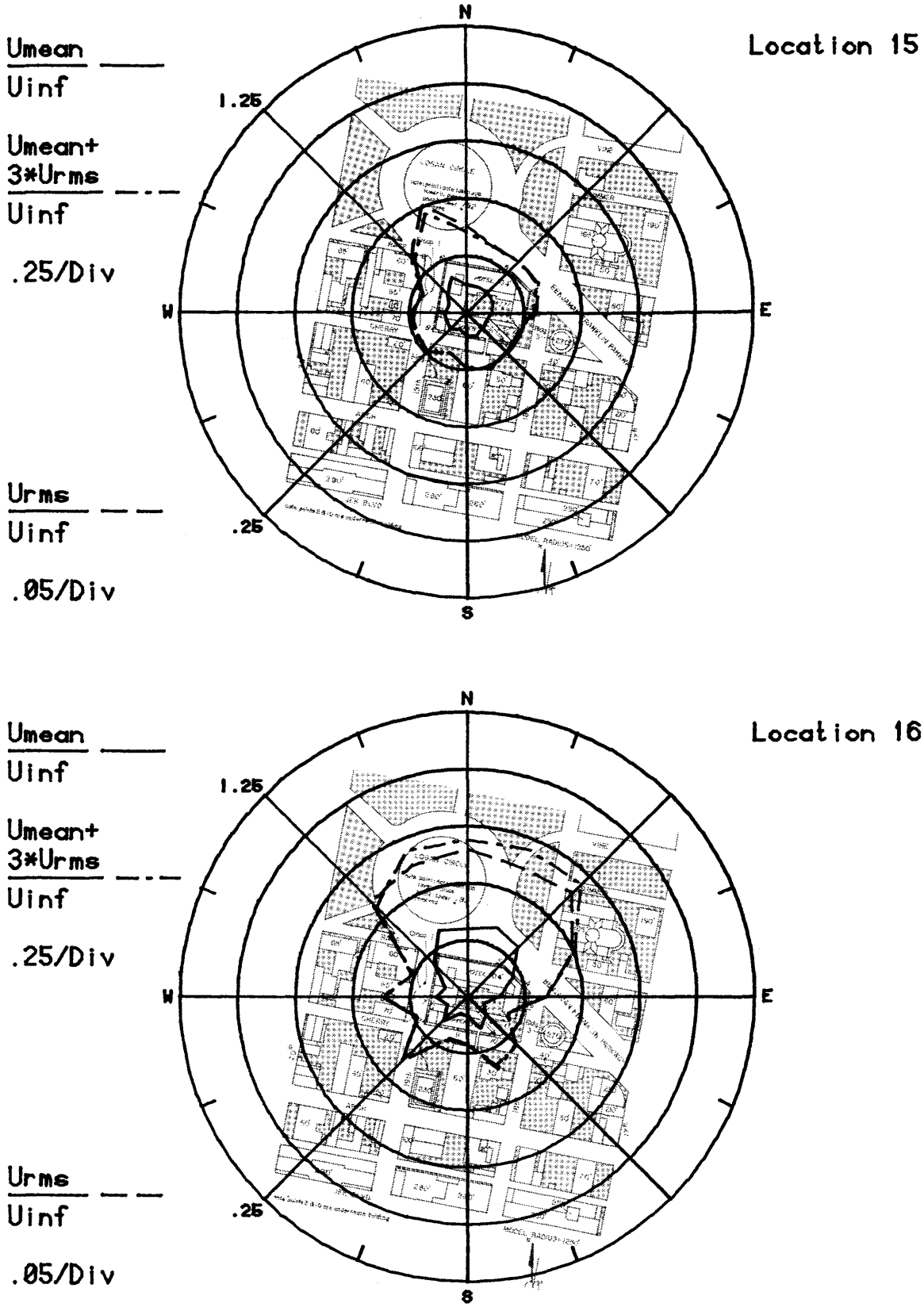


Figure 8h. Mean Velocities and Turbulence Intensities at Pedestrian Locations 15 and 16

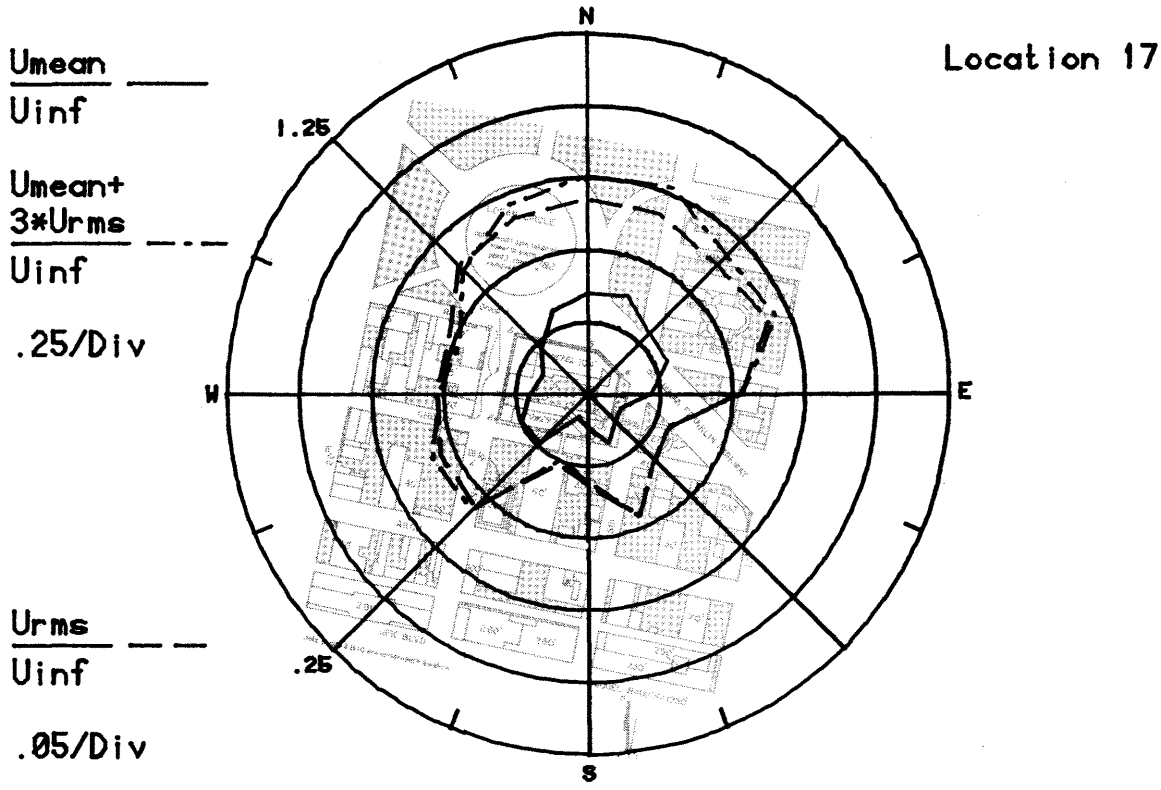


Figure 81. Mean Velocities and Turbulence Intensities at Pedestrian Location 17

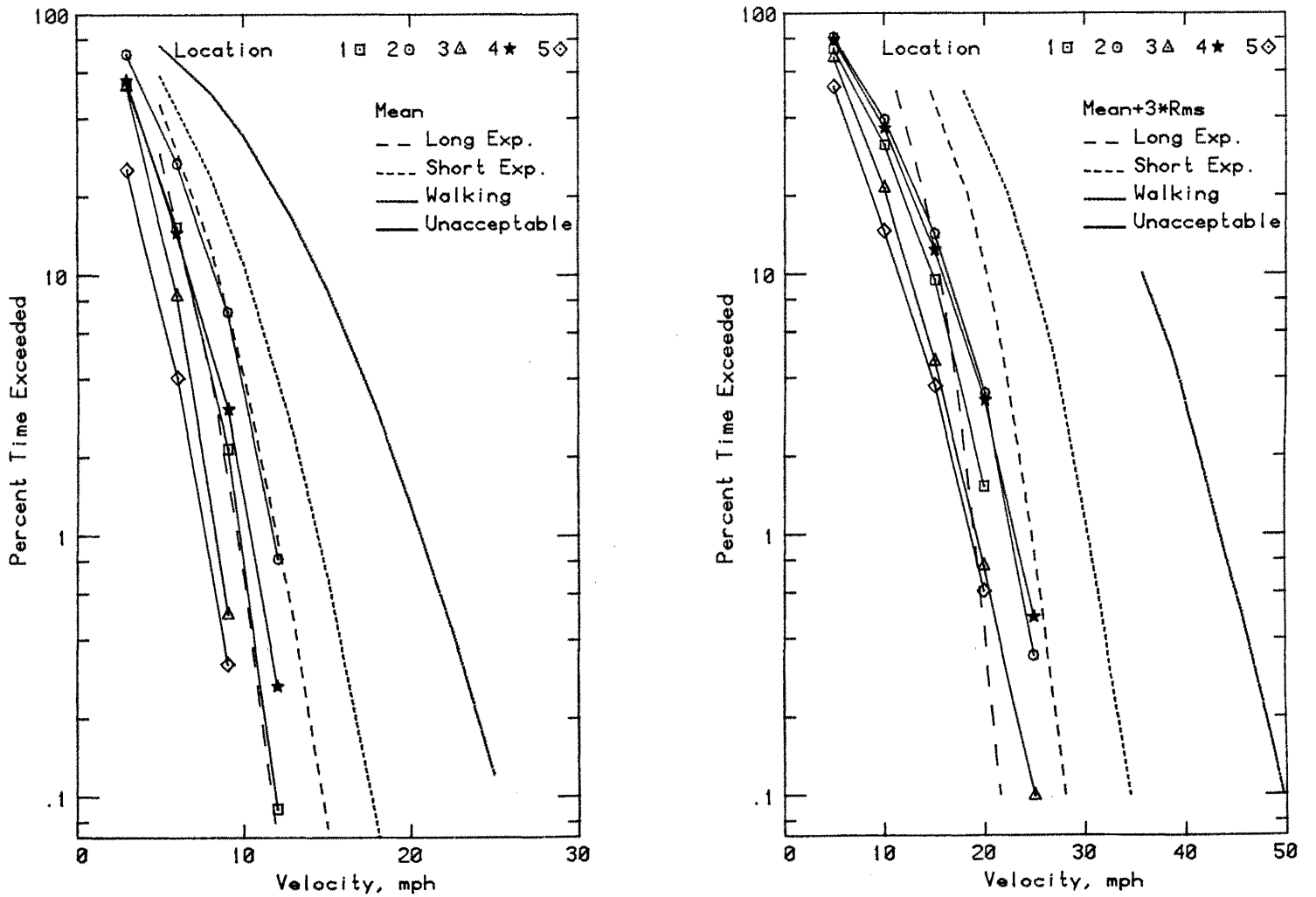


Figure 9a. Wind Velocity Probabilities for Pedestrian Locations

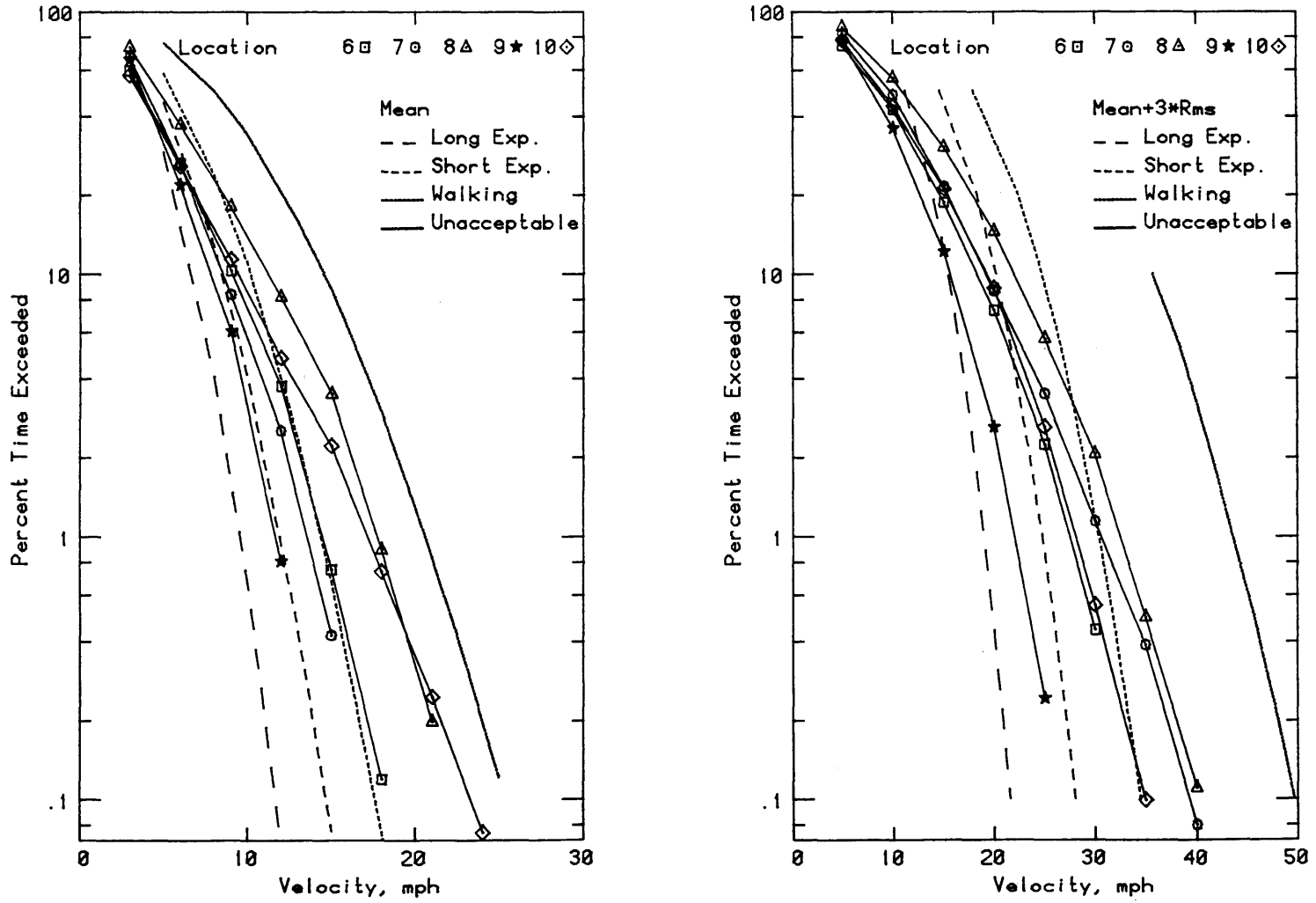


Figure 9b. Wind Velocity Probabilities for Pedestrian Locations

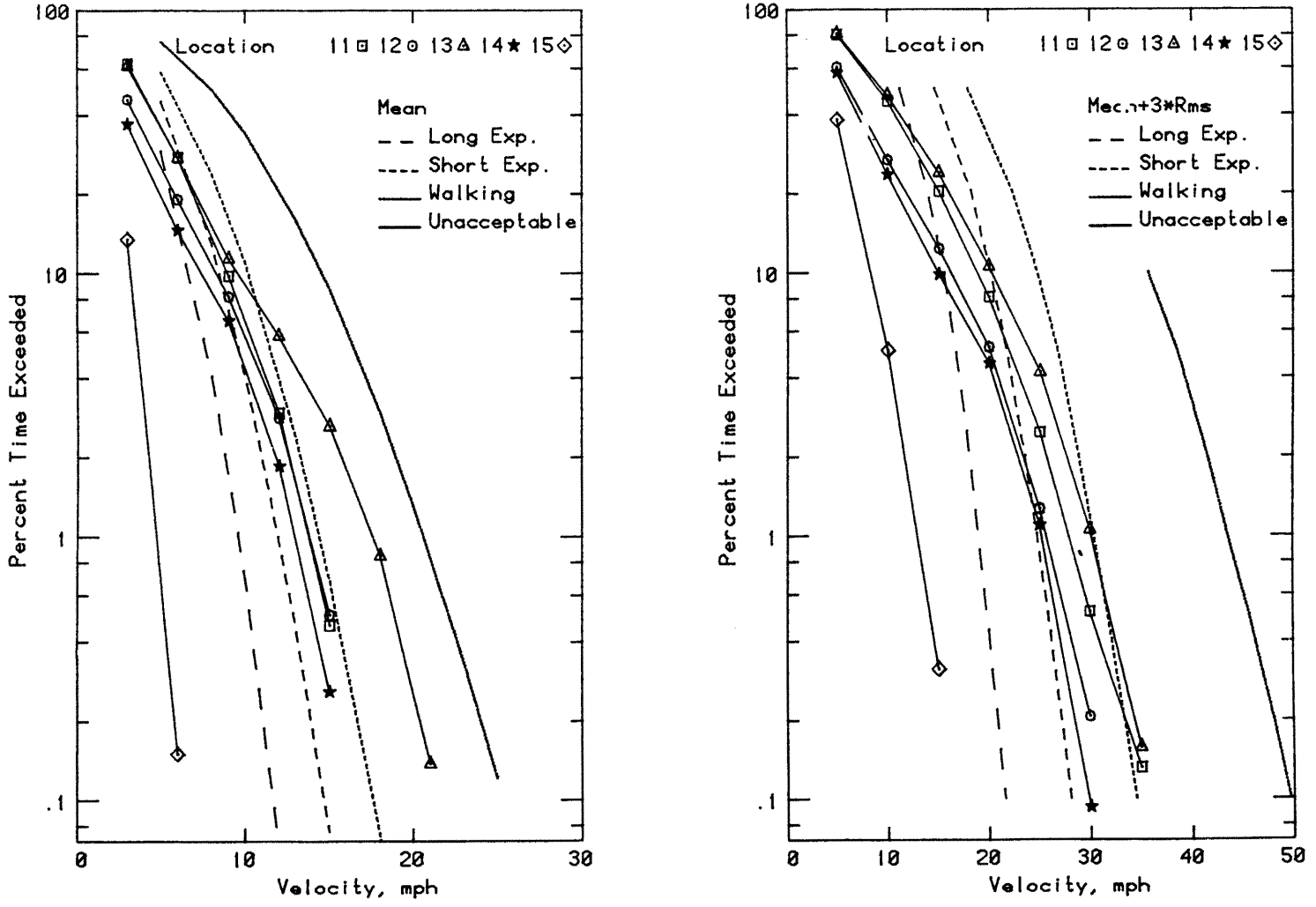


Figure 9c. Wind Velocity Probabilities for Pedestrian Locations

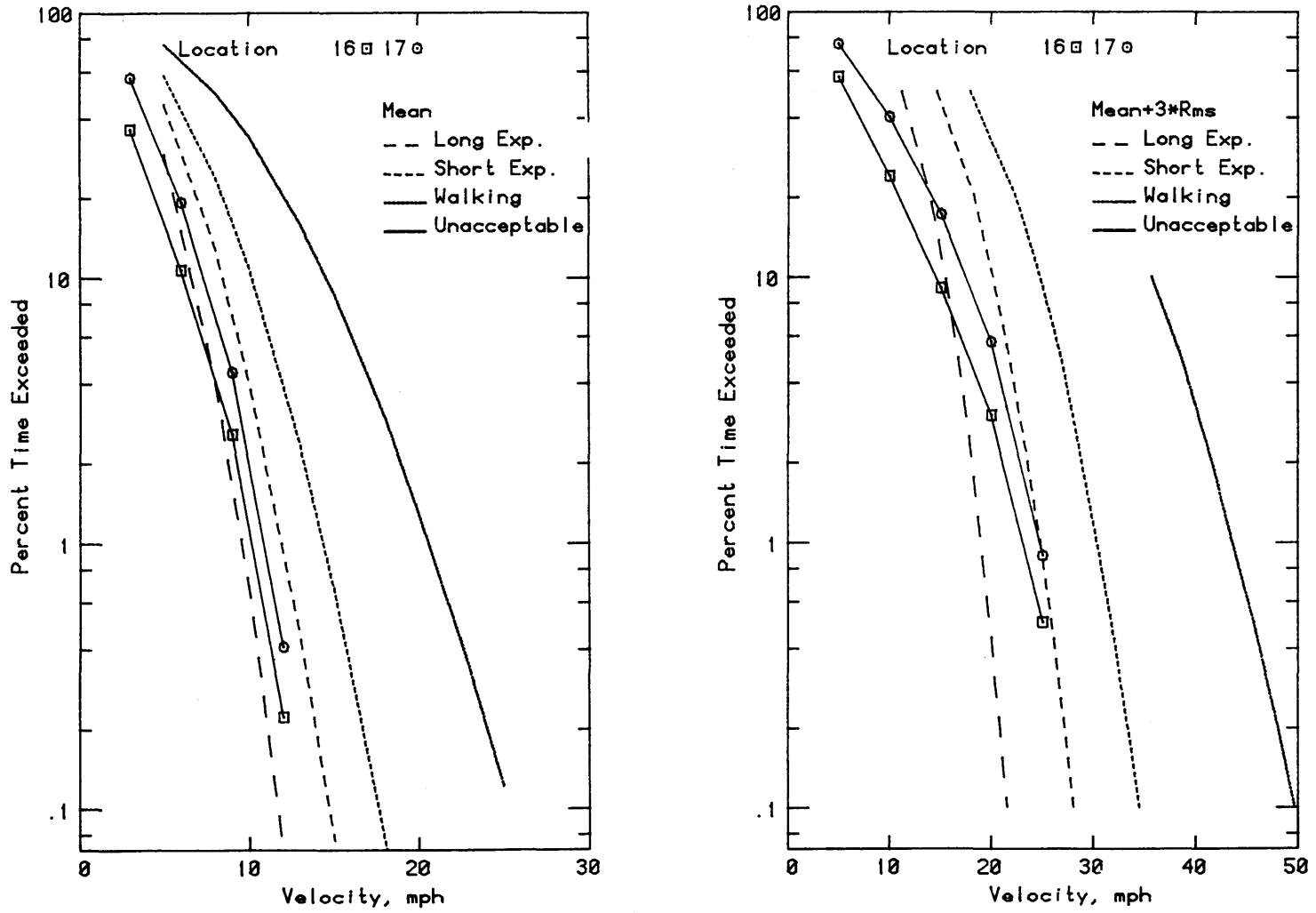


Figure 9d. Wind Velocity Probabilities for Pedestrian Locations

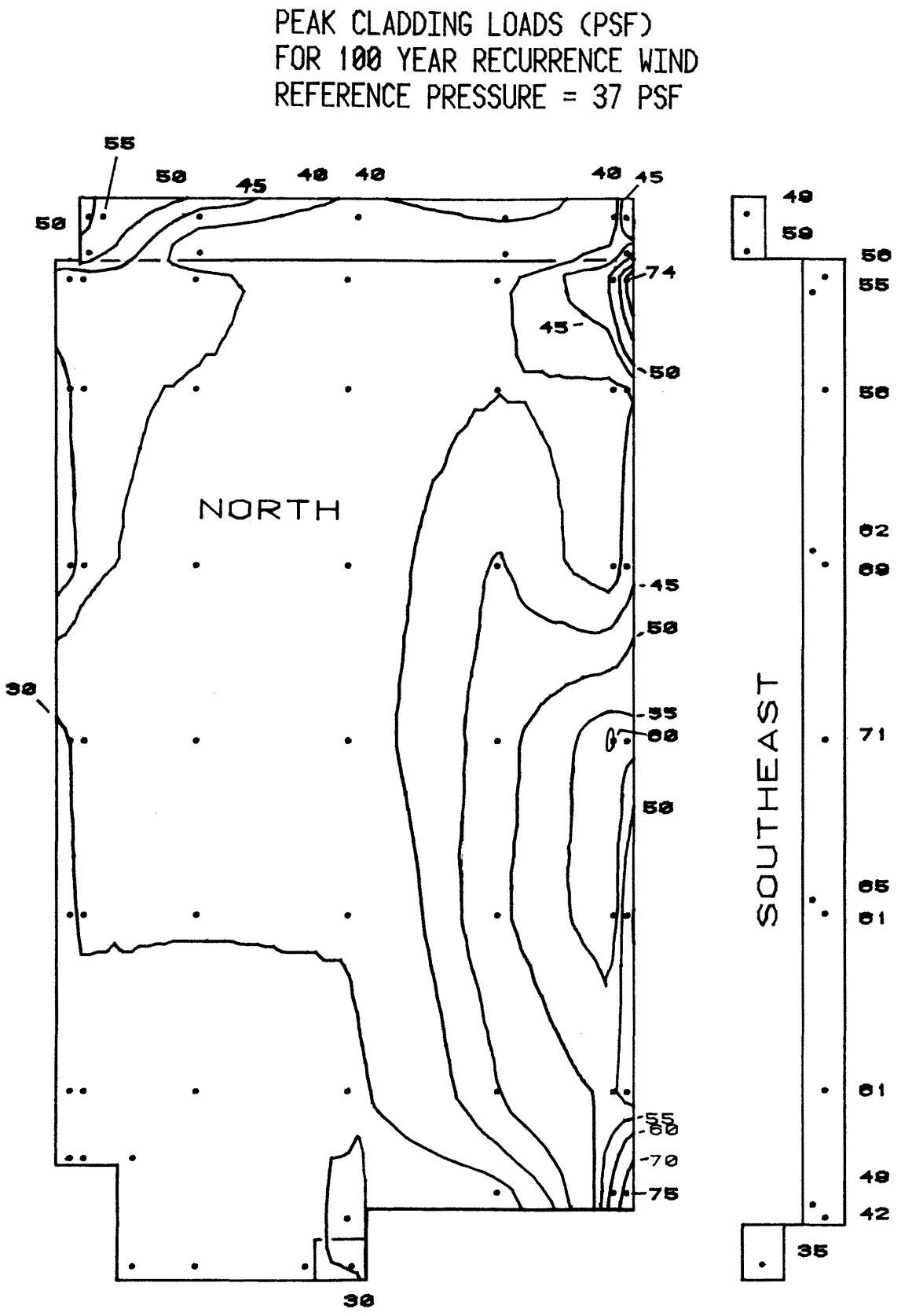


Figure 10a. Peak Pressure Contours on the Building for Cladding Loads

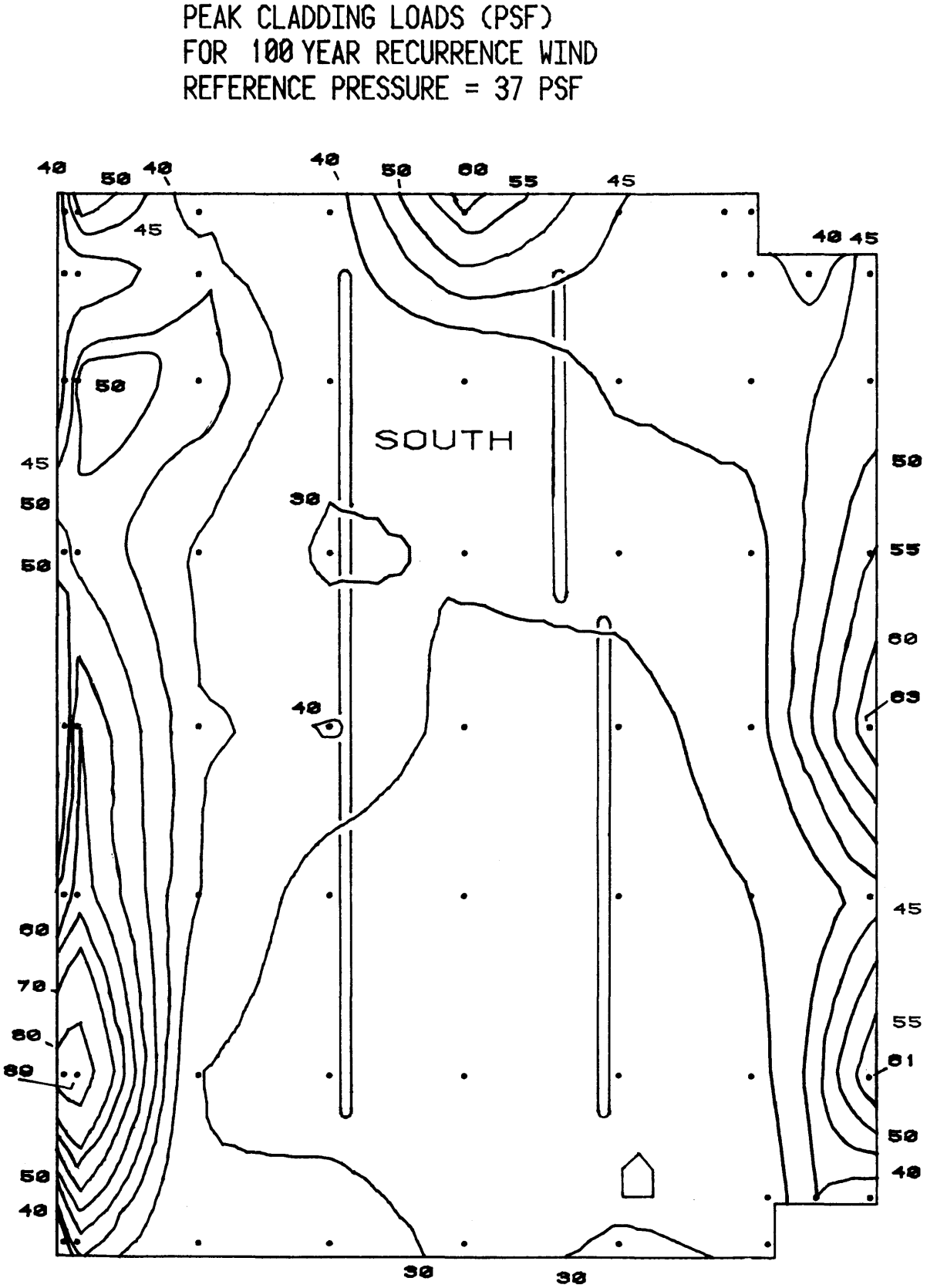


Figure 10b. Peak Pressure Contours on the Building for Cladding Loads

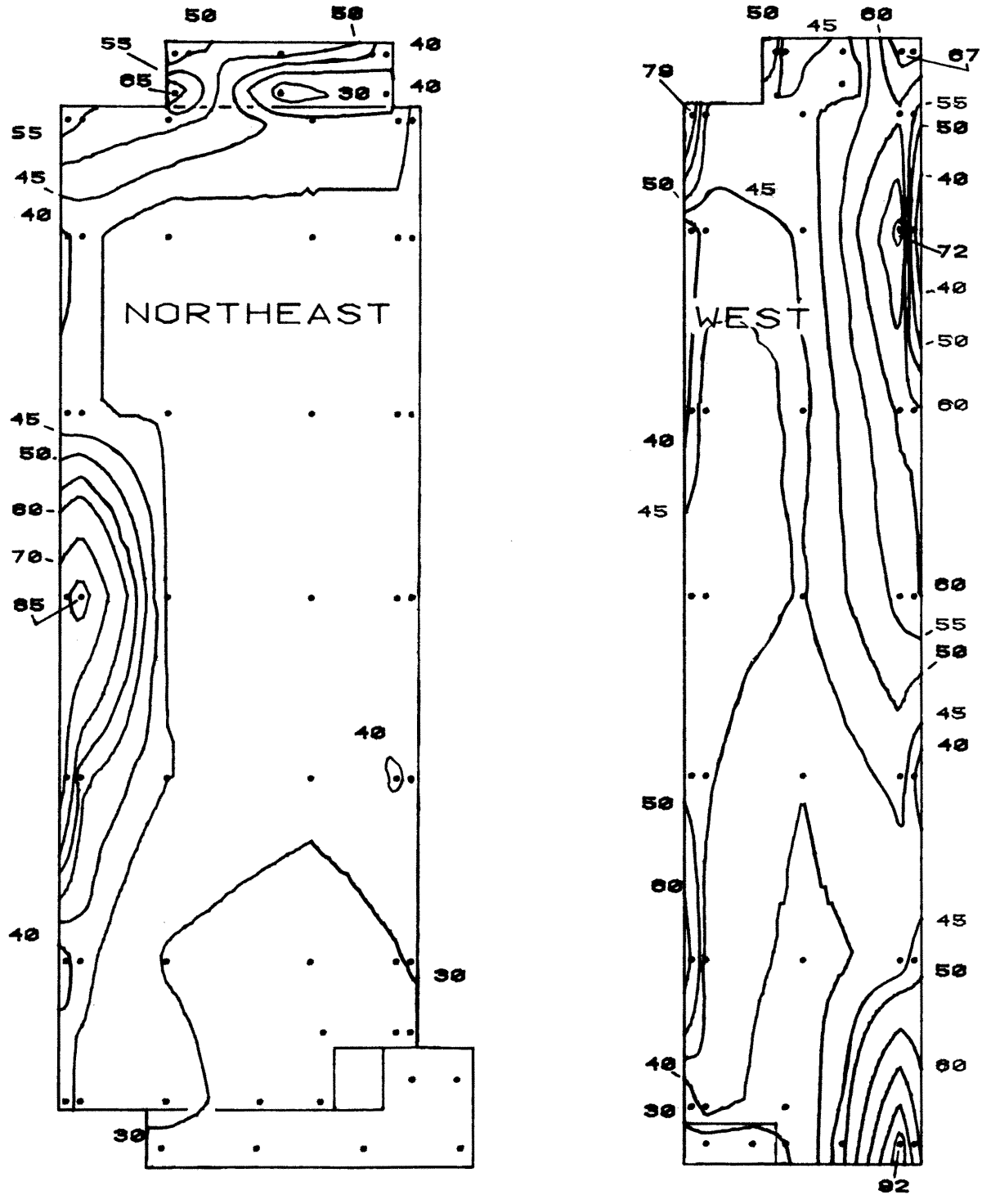
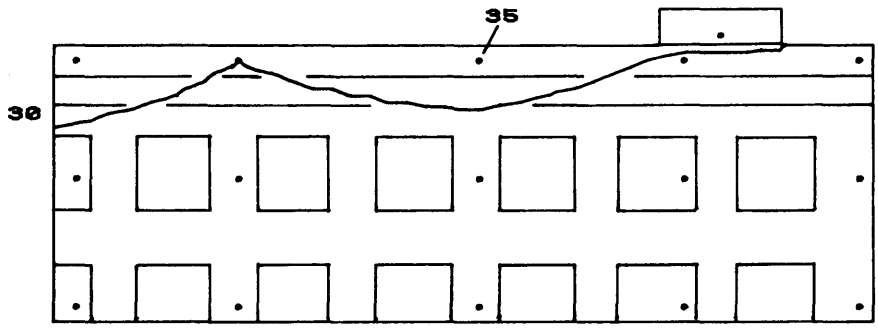


Figure 10c. Peak Pressure Contours on the Building for Cladding Loads

PEAK CLADDING LOADS (PSF)
FOR 100 YEAR RECURRENCE WIND
REFERENCE PRESSURE = 37 PSF



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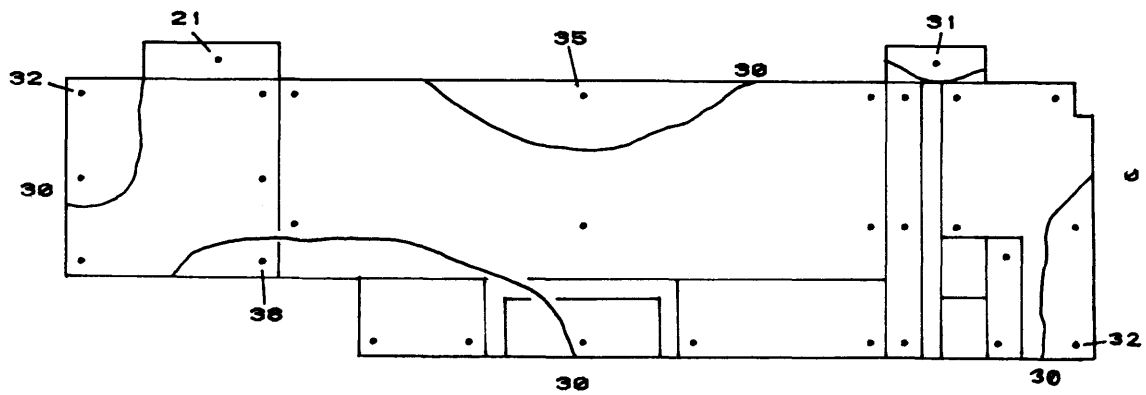

SOUTH

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

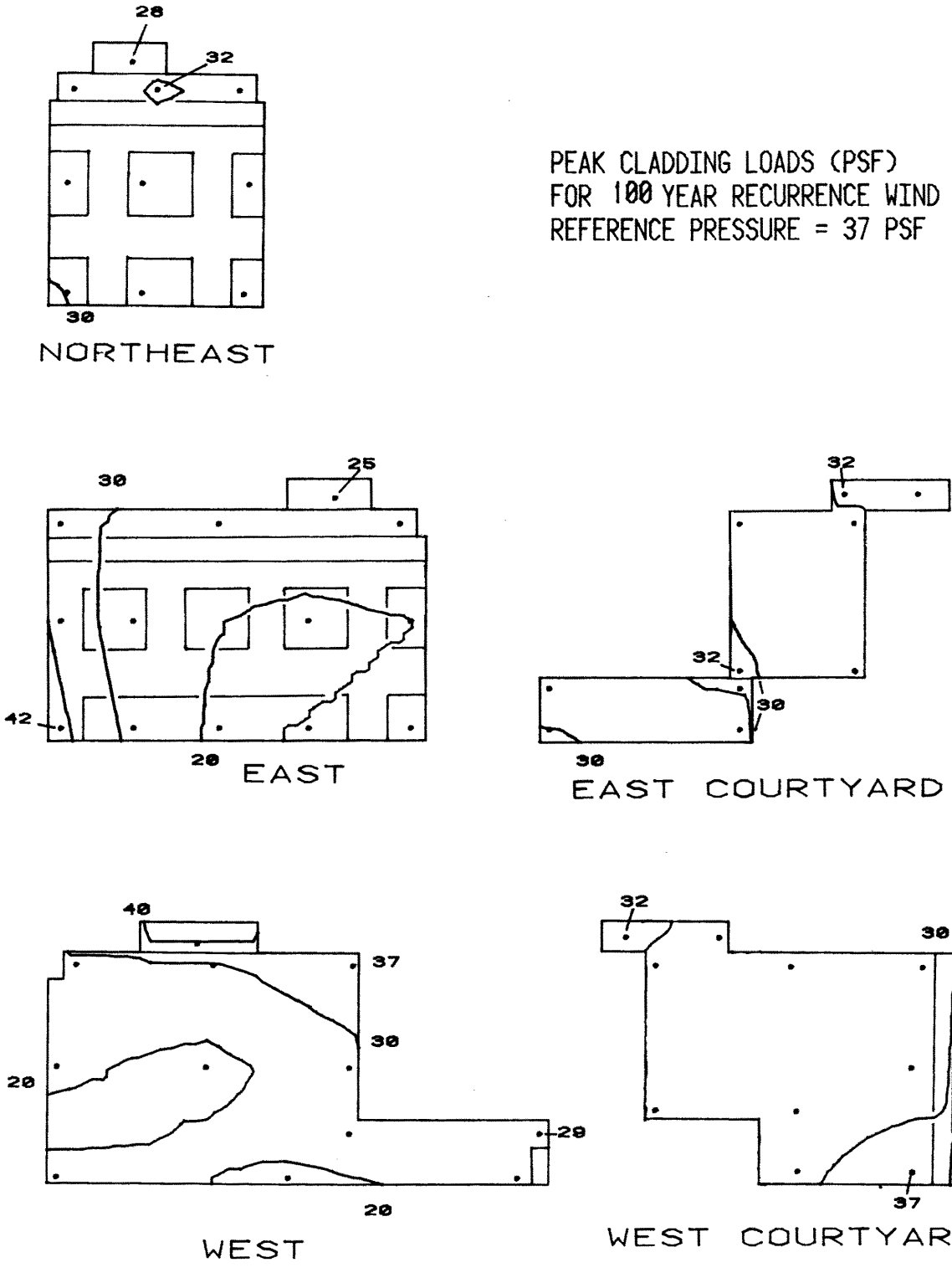

Figure 10e. Peak Pressure Contours on the Building for Cladding Loads

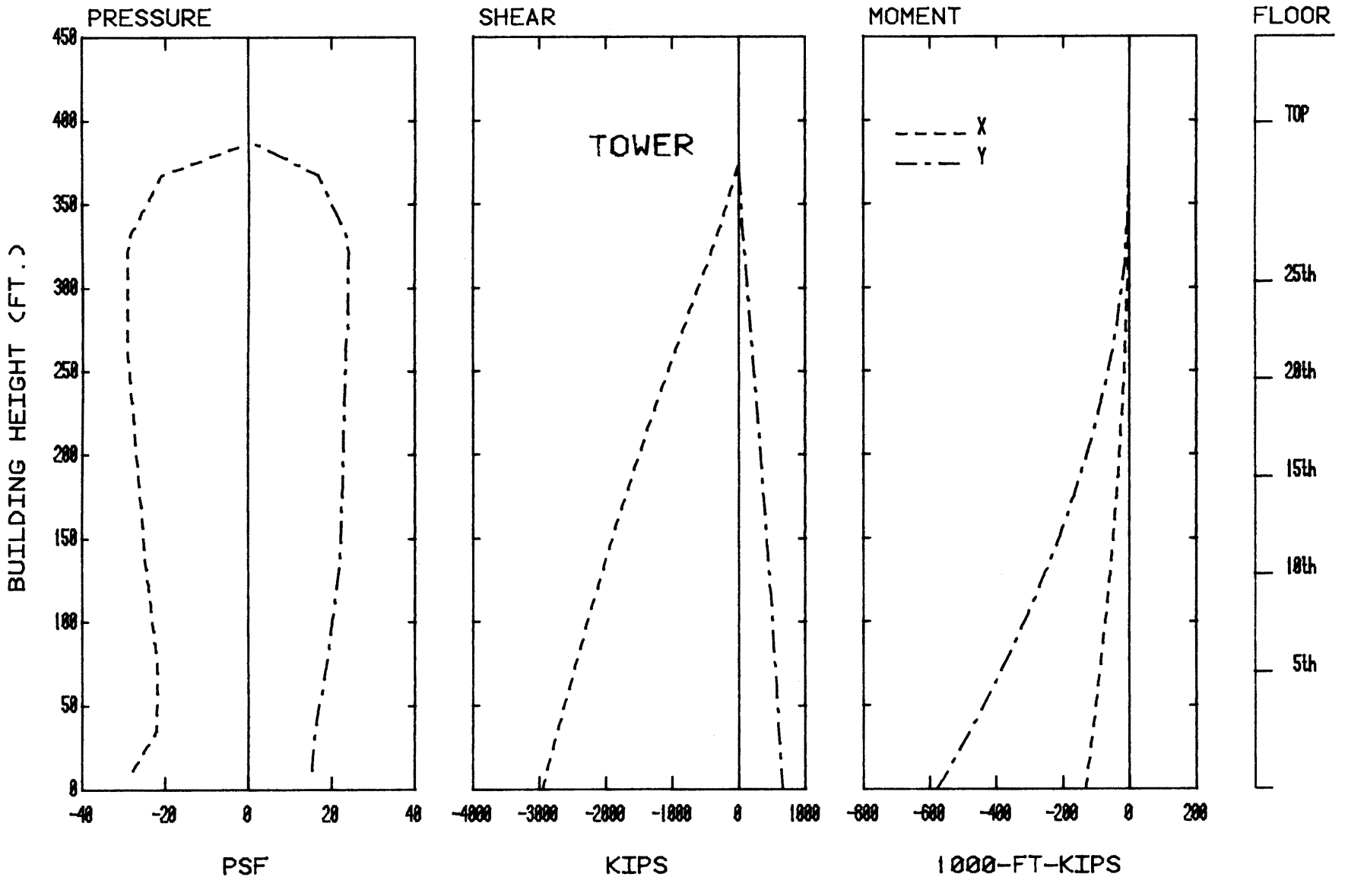

Figure 11. Load, Shear, and Moment Diagrams for Selected Wind Directions

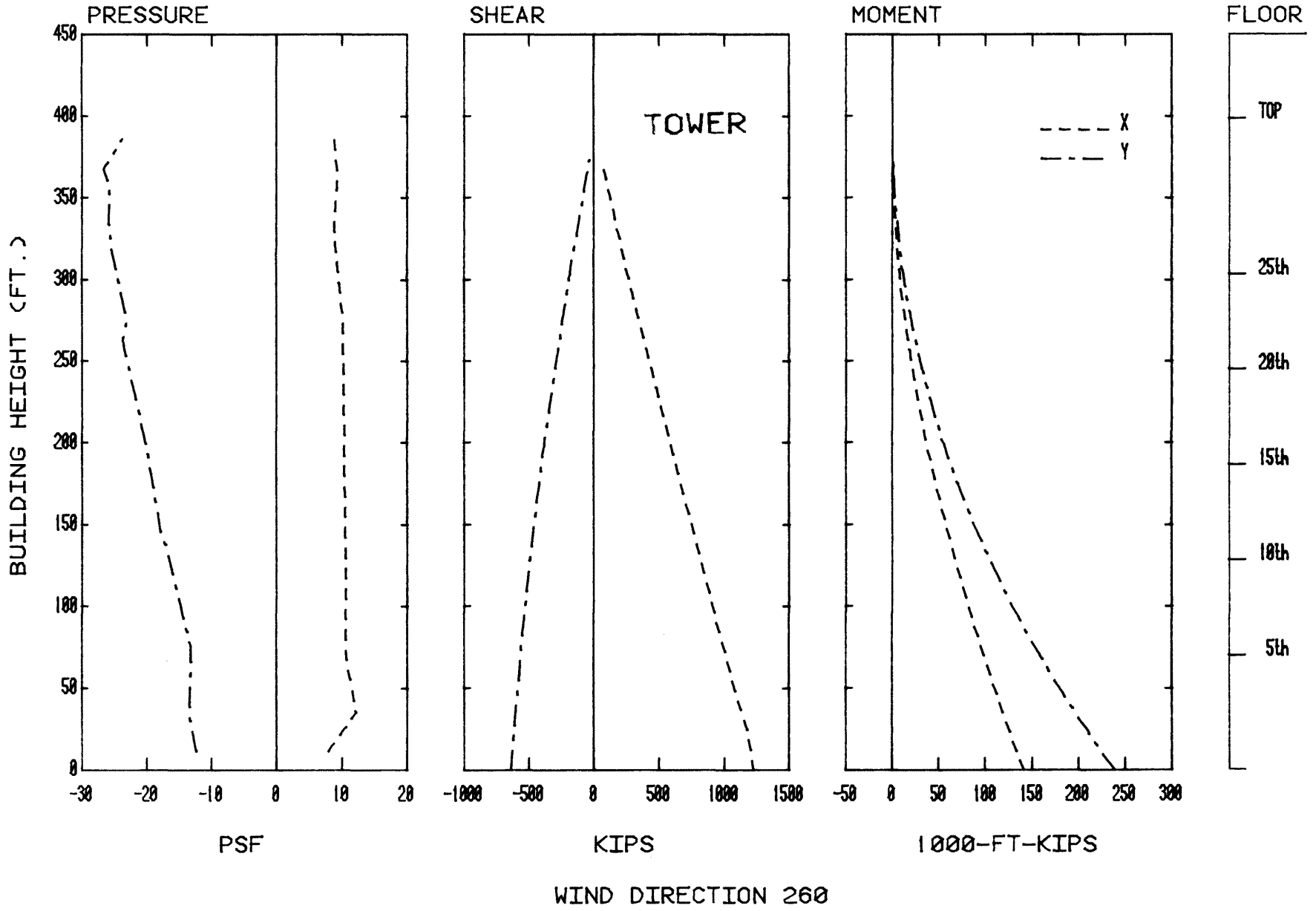

Figure 11. Load, Shear, and Moment Diagrams for Selected Wind Directions

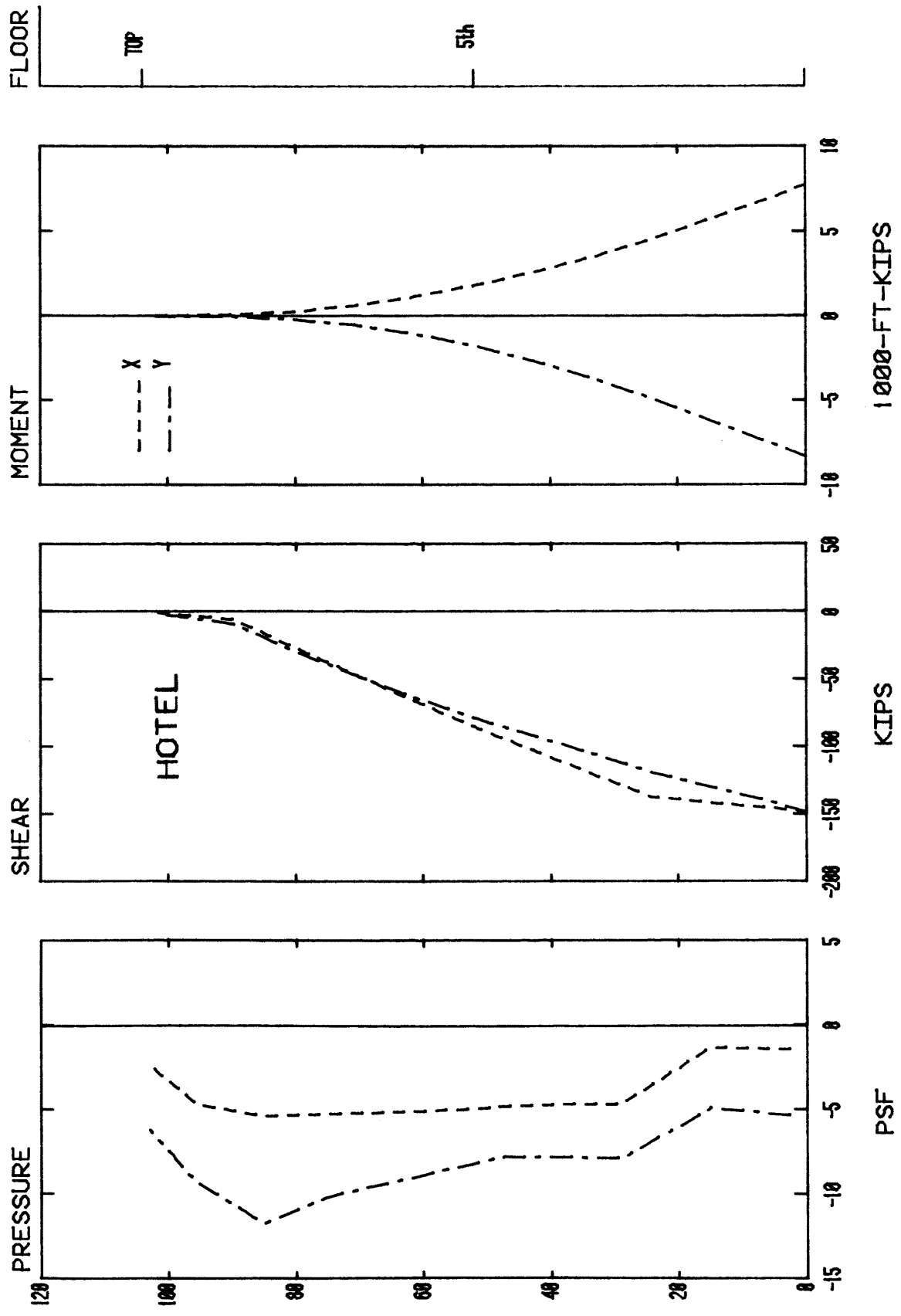

Figure 11. Load, Shear, and Moment Diagrams for Selected Wind Directions

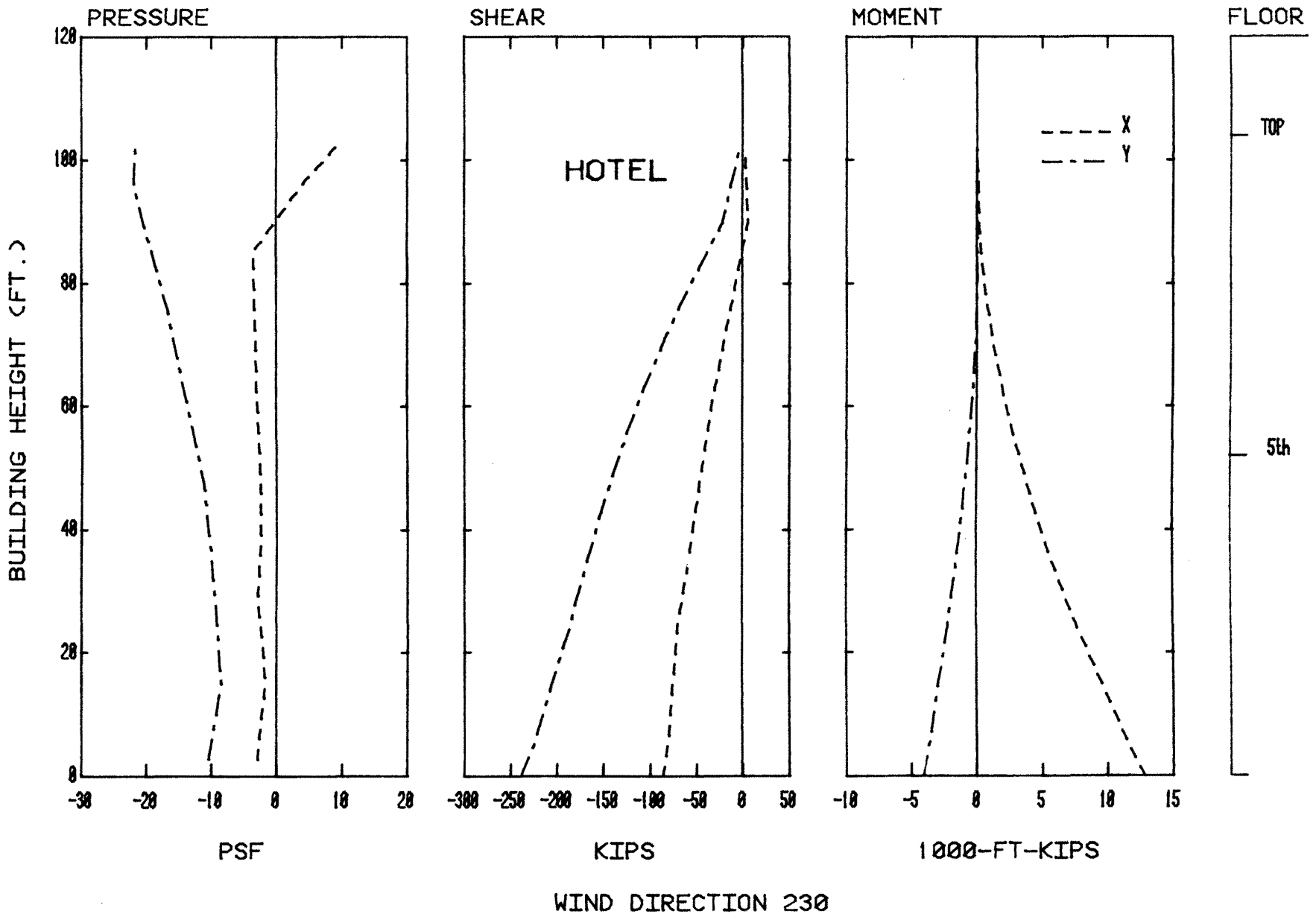

Figure 11. Load, Shear, and Moment Diagrams for Selected Wind Directions

TABLES

TABLE 1

MOTION PICTURE SCENE GUIDE

Run #	Approach Wind Azimuth, degrees
1	0
2	45
3	90
4	135
5	180
6	225
7	270
8	315

TABLE 2--PEDESTRIAN WIND VELOCITIES AND TURBULENCE INTENSITIES

ONE LOGAN SQUARE

LOCATION 1

WIND AZIMUTH	UMEAN/UINF (PERCENT)	URMS/UINF (PERCENT)	UMEAN+3*URMS/UINF (PERCENT)
0.00	13.0	8.0	37.0
22.50	21.2	9.1	48.6
45.00	26.6	9.7	55.8
67.50	27.1	11.1	60.3
90.00	20.8	8.4	46.0
112.50	16.0	8.3	40.8
135.00	14.8	8.2	39.3
157.50	11.3	6.6	31.2
180.00	9.3	5.2	25.0
202.50	21.7	10.8	54.1
225.00	23.7	10.4	54.8
247.50	36.5	10.6	68.3
270.00	22.7	8.5	48.3
292.50	24.4	9.4	52.7
315.00	17.9	7.9	41.6
337.50	18.3	10.0	48.2

LOCATION 2

WIND AZIMUTH	UMEAN/UINF (PERCENT)	URMS/UINF (PERCENT)	UMEAN+3*URMS/UINF (PERCENT)
0.00	21.9	8.4	47.1
22.50	32.9	10.1	63.2
45.00	36.1	9.8	65.5
67.50	34.7	11.1	68.1
90.00	26.3	8.9	53.1
112.50	23.5	9.2	51.1
135.00	23.2	9.6	52.1
157.50	20.8	7.7	44.0
180.00	18.8	6.7	38.9
202.50	30.2	11.9	66.0
225.00	22.9	9.1	50.3
247.50	37.5	11.5	72.0
270.00	25.4	8.7	51.3
292.50	29.8	8.3	54.7
315.00	25.7	8.7	51.6
337.50	28.5	9.3	56.5

LOCATION 3

WIND AZIMUTH	UMEAN/UINF (PERCENT)	URMS/UINF (PERCENT)	UMEAN+3*URMS/UINF (PERCENT)
0.00	18.1	6.4	37.3
22.50	21.6	8.1	45.8
45.00	23.1	9.0	50.1
67.50	23.3	7.0	44.2
90.00	22.9	8.3	47.9
112.50	38.2	14.6	82.1
135.00	25.4	11.9	61.2
157.50	25.5	12.1	61.8
180.00	17.1	7.6	39.9
202.50	18.2	8.7	44.3
225.00	27.9	12.8	65.4
247.50	22.4	10.0	52.4
270.00	14.2	4.7	28.3
292.50	12.8	3.3	22.6
315.00	15.0	4.2	27.5
337.50	15.7	4.1	28.0

LOCATION 4

WIND AZIMUTH	UMEAN/UINF (PERCENT)	URMS/UINF (PERCENT)	UMEAN+3*URMS/UINF (PERCENT)
0.00	32.4	11.7	67.6
22.50	30.9	12.7	68.8
45.00	21.9	11.7	57.0
67.50	17.9	9.2	45.5
90.00	19.5	10.4	50.8
112.50	27.3	9.8	56.9
135.00	27.3	9.6	56.1
157.50	26.4	9.5	54.9
180.00	14.7	9.1	42.0
202.50	15.6	10.2	46.1
225.00	19.3	10.5	51.0
247.50	15.6	8.8	41.9
270.00	20.4	11.7	55.5
292.50	16.1	7.6	38.8
315.00	25.6	11.1	58.9
337.50	33.0	12.3	69.9

TABLE 2--PEDESTRIAN WIND VELOCITIES AND TURBULENCE INTENSITIES

ONE LOGAN SQUARE

LOCATION 5

WIND AZIMUTH	UMEAN/UINF (PERCENT)	URMS/UINF (PERCENT)	UMEAN+3*URMS/UINF (PERCENT)
0.00	16.2	9.7	45.3
22.50	16.7	10.2	47.3
45.00	12.8	7.8	36.1
67.50	10.0	6.5	29.5
90.00	9.8	5.9	27.4
112.50	11.8	7.7	34.9
135.00	7.8	4.8	22.2
157.50	10.0	6.2	28.6
180.00	8.4	5.6	25.3
202.50	7.1	4.2	19.9
225.00	14.0	7.1	35.1
247.50	11.2	6.1	29.4
270.00	9.5	5.1	24.7
292.50	17.4	7.2	38.9
315.00	24.0	11.1	57.1
337.50	20.1	10.6	52.0

LOCATION 6

WIND AZIMUTH	UMEAN/UINF (PERCENT)	URMS/UINF (PERCENT)	UMEAN+3*URMS/UINF (PERCENT)
0.00	28.7	13.6	69.4
22.50	25.7	13.4	65.8
45.00	25.7	15.1	71.2
67.50	17.8	9.4	45.9
90.00	15.2	7.2	36.7
112.50	16.0	9.5	44.4
135.00	5.7	3.3	15.5
157.50	9.4	5.3	25.4
180.00	9.9	5.6	26.7
202.50	9.5	6.1	27.7
225.00	47.2	13.9	88.9
247.50	45.0	10.2	76.4
270.00	38.6	9.9	68.2
292.50	19.1	11.0	52.0
315.00	16.5	9.7	45.5
337.50	21.0	11.3	54.9

LOCATION 7

WIND AZIMUTH	UMEAN/UINF (PERCENT)	URMS/UINF (PERCENT)	UMEAN+3*URMS/UINF (PERCENT)
0.00	42.3	17.1	93.4
22.50	46.6	20.1	107.1
45.00	41.9	19.7	100.9
67.50	24.5	13.4	64.8
90.00	23.4	13.8	64.8
112.50	9.4	4.6	23.2
135.00	13.0	9.2	40.6
157.50	28.2	17.4	80.3
180.00	21.5	14.7	65.5
202.50	16.7	9.1	44.2
225.00	34.9	11.2	68.6
247.50	29.6	9.0	56.5
270.00	26.2	9.9	55.8
292.50	17.4	7.9	41.0
315.00	16.8	9.5	45.4
337.50	33.4	12.9	72.2

LOCATION 8

WIND AZIMUTH	UMEAN/UINF (PERCENT)	URMS/UINF (PERCENT)	UMEAN+3*URMS/UINF (PERCENT)
0.00	55.9	15.5	102.4
22.50	58.7	15.2	104.4
45.00	51.5	17.4	103.8
67.50	30.5	15.5	77.0
90.00	16.9	10.6	48.7
112.50	11.6	7.0	32.7
135.00	26.1	9.8	55.4
157.50	40.2	13.9	81.9
180.00	37.8	15.1	79.2
202.50	28.4	13.7	69.7
225.00	23.4	13.0	62.3
247.50	25.0	11.7	60.9
270.00	21.5	11.1	54.9
292.50	30.4	12.6	68.1
315.00	45.6	9.9	75.3
337.50	47.8	10.7	80.0

TABLE 2--PEDESTRIAN WIND VELOCITIES AND TURBULENCE INTENSITIES

ONE LOGAN SQUARE

LOCATION 9

WIND AZIMUTH	UMEAN/UINF (PERCENT)	URMS/UINF (PERCENT)	UMEAN+3*URMS/UINF (PERCENT)
0.00	17.5	6.5	36.9
22.50	14.0	4.8	28.3
45.00	23.8	10.5	55.3
67.50	17.9	8.1	42.2
90.00	16.1	7.0	37.2
112.50	16.6	7.2	38.1
135.00	17.7	6.8	38.2
157.50	28.0	9.7	57.0
180.00	25.7	11.2	59.4
202.50	25.0	10.3	55.9
225.00	29.5	12.5	67.0
247.50	30.4	9.5	59.0
270.00	32.3	7.7	55.4
292.50	29.8	7.5	52.3
315.00	30.3	9.0	57.2
337.50	26.3	8.8	52.8

LOCATION 10

WIND AZIMUTH	UMEAN/UINF (PERCENT)	URMS/UINF (PERCENT)	UMEAN+3*URMS/UINF (PERCENT)
0.00	55.4	10.0	85.4
22.50	64.7	10.7	96.9
45.00	36.9	14.9	81.6
67.50	24.7	11.6	59.4
90.00	15.4	8.8	41.8
112.50	11.5	6.5	31.1
135.00	21.8	9.9	51.6
157.50	38.3	15.8	85.8
180.00	33.1	14.5	76.7
202.50	31.5	14.9	76.3
225.00	32.1	18.0	76.2
247.50	17.6	11.2	51.2
270.00	8.5	5.3	24.3
292.50	11.9	6.6	30.7
315.00	26.9	11.3	60.7
337.50	42.8	10.4	73.9

LOCATION 11

WIND AZIMUTH	UMEAN/UINF (PERCENT)	URMS/UINF (PERCENT)	UMEAN+3*URMS/UINF (PERCENT)
0.00	42.9	10.5	74.4
22.50	46.8	10.8	79.3
45.00	27.4	10.3	58.3
67.50	19.9	9.6	48.8
90.00	14.2	8.0	38.2
112.50	16.2	9.7	45.3
135.00	17.1	8.9	44.8
157.50	31.2	16.2	79.8
180.00	24.7	15.2	70.3
202.50	29.0	13.3	69.0
225.00	38.2	11.2	71.8
247.50	32.2	11.6	66.1
270.00	10.1	8.2	28.8
292.50	13.1	7.0	34.2
315.00	30.8	11.3	64.6
337.50	40.1	11.3	74.0

LOCATION 12

WIND AZIMUTH	UMEAN/UINF (PERCENT)	URMS/UINF (PERCENT)	UMEAN+3*URMS/UINF (PERCENT)
0.00	49.2	12.0	76.3
22.50	38.4	9.9	64.6
45.00	30.2	10.1	60.6
67.50	24.2	10.9	57.0
90.00	16.1	8.1	40.5
112.50	10.8	5.2	26.5
135.00	10.0	4.9	25.7
157.50	12.6	6.8	32.3
180.00	12.6	4.7	24.8
202.50	14.8	5.0	27.6
225.00	19.5	5.5	34.0
247.50	15.3	5.1	31.9
270.00	10.7	5.1	25.7
292.50	17.1	6.9	37.9
315.00	38.4	11.8	73.7
337.50	44.6	11.7	79.8

TABLE 2--PEDESTRIAN WIND VELOCITIES AND TURBULENCE INTENSITIES

ONE LOGAN SQUARE

LOCATION 13

WIND AZIMUTH	UMEAN/UINF (PERCENT)	URMS/UINF (PERCENT)	UMEAN+3*URMS/UINF (PERCENT)
0.00	43.1	15.8	90.7
22.50	27.7	12.8	66.1
45.00	25.5	11.1	58.9
67.50	23.2	12.0	59.2
90.00	14.5	7.9	38.3
112.50	12.9	7.1	34.1
135.00	18.2	10.1	48.5
157.50	23.9	11.4	58.1
180.00	11.8	7.1	33.0
202.50	11.5	8.2	36.3
225.00	26.6	13.4	66.8
247.50	25.9	14.1	68.1
270.00	20.1	12.0	56.2
292.50	28.0	12.8	66.4
315.00	32.9	11.2	86.4
337.50	32.5	12.1	88.7

LOCATION 14

WIND AZIMUTH	UMEAN/UINF (PERCENT)	URMS/UINF (PERCENT)	UMEAN+3*URMS/UINF (PERCENT)
0.00	38.6	11.9	74.3
22.50	29.7	11.9	65.4
45.00	19.2	9.3	47.3
67.50	11.9	6.7	32.1
90.00	9.5	5.2	25.1
112.50	8.4	5.0	23.5
135.00	10.6	5.8	28.1
157.50	19.7	9.2	47.3
180.00	9.0	4.8	23.4
202.50	5.9	2.9	14.7
225.00	15.6	7.0	36.7
247.50	14.4	6.8	34.7
270.00	10.6	6.2	29.2
292.50	13.6	8.2	38.3
315.00	37.7	12.0	73.8
337.50	40.1	11.5	74.7

LOCATION 15

WIND AZIMUTH	UMEAN/UINF (PERCENT)	URMS/UINF (PERCENT)	UMEAN+3*URMS/UINF (PERCENT)
0.00	12.6	7.6	35.3
22.50	12.4	6.3	31.2
45.00	12.7	6.4	32.0
67.50	12.7	6.8	33.2
90.00	10.8	6.1	29.0
112.50	9.3	4.8	23.8
135.00	9.7	4.9	24.4
157.50	11.0	5.3	26.8
180.00	9.7	4.8	24.0
202.50	7.5	3.8	18.8
225.00	9.9	4.8	24.2
247.50	9.2	4.8	23.5
270.00	9.5	4.8	23.9
292.50	8.3	4.1	20.5
315.00	11.5	6.8	31.8
337.50	16.6	10.0	46.7

LOCATION 16

WIND AZIMUTH	UMEAN/UINF (PERCENT)	URMS/UINF (PERCENT)	UMEAN+3*URMS/UINF (PERCENT)
0.00	30.1	12.9	69.0
22.50	33.0	12.3	69.8
45.00	31.1	12.8	69.6
67.50	21.1	9.8	50.5
90.00	13.7	6.8	34.2
112.50	7.5	3.8	18.8
135.00	11.4	6.0	29.5
157.50	14.8	6.6	34.5
180.00	8.4	4.2	21.1
202.50	7.8	4.0	19.8
225.00	15.1	7.9	38.9
247.50	9.1	4.7	23.3
270.00	13.9	7.3	36.0
292.50	10.5	5.2	26.1
315.00	20.5	11.8	56.0
337.50	31.7	12.5	69.2

TABLE 2--PEDESTRIAN WIND VELOCITIES AND TURBULENCE INTENSITIES

ONE LOGAN SQUARE

LOCATION 17

WIND AZIMUTH	UMEAN/UINF (PERCENT)	URMS/UINF (PERCENT)	UMEAN+3*URMS/UINF (PERCENT)
0.00	35.0	13.5	75.5
22.50	37.0	13.4	77.1
45.00	30.1	12.6	67.9
67.50	29.9	13.6	70.6
90.00	21.6	10.6	53.4
112.50	12.1	6.0	30.2
135.00	13.4	6.4	32.7
157.50	18.2	9.2	45.7
180.00	11.5	6.3	30.5
202.50	8.8	5.2	24.6
225.00	23.4	11.0	56.5
247.50	25.1	11.0	58.1
270.00	20.2	10.5	51.6
292.50	16.7	10.4	47.9
315.00	22.9	12.6	60.6
337.50	31.3	13.2	70.9

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

PHILADELPHIA, PENNSYLVANIA INT. ARPRT (1965-1974)

SEASON : ANNUAL NO. OF OBS.= 29211 HT. OF MEAS.= 20. FT.

VELOCITY LEVELS IN MPH

DIRECTION	0- 3	4- 7	8-12	13-18	19-24	25-31	32 +	TOTAL
N	.30	2.00	3.60	2.00	.20	0.00	0.00	8.10
NNE	.20	.60	1.20	.90	.20	0.00	0.00	3.10
NE	.20	.60	1.10	1.00	.20	0.00	0.00	3.20
ENE	.20	1.00	2.20	2.00	.30	0.00	0.00	5.80
E	.40	1.70	2.60	1.10	.10	0.00	0.00	6.00
ESE	.40	1.50	1.00	.20	0.00	0.00	0.00	3.10
SE	.40	1.40	1.00	.30	0.00	0.00	0.00	3.10
SSE	.40	1.50	1.00	.30	0.00	0.00	0.00	3.30
S	.80	2.40	2.60	1.20	.10	0.00	0.00	7.20
SSW	.50	1.60	2.00	.90	.10	0.00	0.00	5.00
SW	.60	3.60	5.20	2.10	.30	0.00	0.00	11.70
WSW	.60	2.90	3.10	1.20	.10	0.00	0.00	7.90
W	.90	3.10	3.40	2.40	.70	.20	0.00	10.60
WNW	.40	1.70	2.80	2.80	.80	.20	0.00	8.70
NW	.30	1.40	2.10	2.60	.70	.10	0.00	7.10
NNW	.20	1.20	2.00	1.60	.30	0.00	0.00	5.40
CALM	.60	0.00	0.00	0.00	0.00	0.00	0.00	.60
TOT	7.30	28.30	37.10	22.60	4.00	.60	.10	100.00

TABLE 4

SUMMARY OF WIND EFFECTS ON PEOPLE

	Beaufort number	Speed (mph)	Effects
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. 6):

   100-yr fastest mile at 30 ft = 87 mph

   Mean hourly wind speed = $\frac{87}{1.28}$ = 68.0 mph

   Mean hourly gradient wind speed = $68 \left(\frac{1000}{30}\right)^{0.16}$ = 119.2 mph

   Wind-tunnel reference velocity at 1250 ft (50 in.) =
   U_∞ = gradient wind

   Reference pressure = $0.5 \rho U_\infty^2 = (0.00256)(119.2^2)$ = 36.4 psf

   Use 37 psf

2. Loads for 50-yr recurrence wind:

   50-yr fastest mile at 30 ft = 78 mph (Ref. 6)

   To obtain 50-yr loads, multiply 100-yr recurrence loads

   by $\left(\frac{78}{87}\right)^2$ = 0.80

3. Gust load factors to convert hourly mean integrated loads to various gust durations (see Sec. 4.4):

Gust Duration, sec	Gust Load Factor
10 - 15	$(1.4)^2$ = 1.96
30	$(1.32)^2$ = 1.74
45	$(1.26)^2$ = 1.59

   The 30-second gust load factor was used in Table 7.

TABLE 6A. PEAK LOADS FOR CONFIGURATION A : ONE LOGAN SQUARE
LARGEST VALUES OF CLADDING LOAD REFERENCE PRESSURE = 37.0 PSF

TAP	AZI-MUTH	PRESS COEFF	ABSOLUTE PEAK (PSF)	POSITIVE PEAK (PSF)	TAP	AZI-MUTH	PRESS COEFF	ABSOLUTE PEAK (PSF)	POSITIVE PEAK (PSF)	TAP	AZI-MUTH	PRESS COEFF	ABSOLUTE PEAK (PSF)	POSITIVE PEAK (PSF)
1	200	1.71	63.4	14.7	134	130	1.13	41.7	37.5	182	260	1.33	49.1	32.3
2	160	1.87	69.2	13.5	135	60	.94	34.7	34.7	183	290	1.58	58.4	29.9
3	210	1.28	47.5	8.5	136	40	1.05	38.7	38.7	184	290	1.24	45.8	31.0
4	70	1.26	46.4	15.6	137	330	1.02	37.7	35.3	185	200	1.04	38.5	15.5
5	210	2.12	78.6	14.9	138	320	1.00	36.9	35.8	186	200	1.16	42.8	18.0
6	210	1.56	57.7	11.9	139	90	1.22	45.1	33.9	187	210	.78	29.0	18.2
7	190	1.21	44.8	12.8	140	90	1.14	42.1	33.8	188	240	.57	20.9	18.3
8	190	1.33	49.3	9.7	141	240	1.07	39.5	31.2	189	330	.79	29.1	20.5
9	210	1.49	55.1	15.3	142	260	.99	36.7	36.3	190	330	.85	31.5	23.5
10	210	1.72	63.7	28.1	143	290	1.08	40.1	37.8	191	230	.78	28.9	23.5
11	230	1.12	41.5	17.9	144	300	1.05	39.0	38.8	192	230	.75	27.6	22.8
12	210	1.17	43.5	18.2	145	200	1.07	39.6	35.7	193	230	.63	23.2	21.2
13	270	1.17	43.3	14.3	146	130	1.10	40.7	29.4	194	240	.74	27.4	23.7
14	160	.89	33.1	16.8	147	140	1.08	40.1	28.8	195	260	1.22	45.2	20.5
15	160	1.37	50.9	10.8	148	40	1.07	39.7	39.7	196	290	1.39	51.4	21.4
101	140	1.24	45.9	38.4	149	160	.85	31.6	31.1	197	280	1.27	47.1	25.2
102	140	1.36	50.3	45.4	150	320	.98	36.2	34.2	198	240	.58	21.6	21.2
103	140	1.40	51.9	37.3	151	320	1.01	37.5	34.0	199	240	.60	22.1	18.2
104	30	1.22	45.3	45.3	152	120	1.24	45.9	34.6	200	220	.65	24.2	20.3
105	180	1.20	44.5	35.2	153	90	1.13	41.8	34.1	201	170	.56	20.7	19.4
106	130	1.30	48.2	34.8	154	20	.98	36.2	36.1	202	230	.64	23.6	21.5
107	260	1.49	55.2	32.7	155	280	.98	36.1	34.2	203	230	.74	27.3	22.2
108	250	1.18	43.7	31.4	156	280	1.23	45.6	34.6	204	230	.59	21.7	18.2
109	220	.99	36.7	22.3	157	280	.99	36.5	30.8	205	240	.56	20.9	19.7
110	290	1.10	40.9	28.8	158	270	1.15	42.7	35.5	206	10	.66	24.3	24.3
111	330	1.03	37.9	37.9	159	200	2.15	79.5	20.3	207	160	1.19	44.1	11.9
112	180	1.29	47.9	41.9	160	200	2.30	85.2	22.0	208	220	1.01	37.5	13.6
113	110	1.76	65.2	33.3	161	190	1.06	39.4	27.5	209	210	1.01	37.3	12.7
114	220	.76	28.1	20.1	162	40	.99	36.5	36.5	210	240	.60	22.4	18.9
115	330	.90	33.5	20.2	163	330	1.01	37.5	37.3	211	260	.66	24.5	16.9
116	140	1.47	54.5	17.2	164	40	.98	36.4	36.4	212	10	.90	33.3	33.3
117	20	.89	33.1	16.2	165	40	.82	30.2	30.2	213	350	.79	29.4	29.2
118	10	.86	31.9	19.7	166	40	.90	33.3	33.3	214	280	1.63	60.4	22.8
119	20	1.14	42.1	38.1	167	270	.95	35.0	33.7	215	280	2.03	75.1	17.8
120	140	1.53	56.5	35.9	168	350	.99	36.6	36.6	216	30	.66	24.5	24.5
121	140	1.48	54.7	34.5	169	280	1.30	48.0	32.6	217	70	.62	23.0	23.0
122	150	1.40	51.9	29.7	170	280	1.61	59.5	33.0	218	240	.62	22.9	21.3
123	160	1.15	42.7	31.0	171	280	1.56	57.6	35.1	219	240	.69	25.4	21.4
124	170	1.18	43.7	31.4	172	170	1.87	69.2	16.2	220	240	.70	25.7	24.5
125	330	1.06	39.3	25.3	173	150	1.39	51.5	16.2	221	350	.79	29.2	29.2
126	100	1.11	41.0	31.3	174	160	1.10	40.8	29.9	222	30	.80	29.4	29.4
127	90	1.11	41.2	30.2	175	20	.95	35.0	35.0	223	10	.82	30.4	30.4
128	260	1.17	43.4	28.3	176	310	1.07	39.5	37.9	224	100	.61	22.6	22.6
129	290	.92	34.1	23.3	177	330	.85	31.4	26.4	225	20	.61	22.6	22.6
130	230	1.05	38.7	29.4	178	0	.80	29.5	29.5	301	350	1.38	51.2	29.1
131	280	1.39	51.4	36.9	179	0	.84	31.2	31.2	302	0	1.17	43.4	29.2
132	280	1.99	73.8	38.8	180	0	.85	31.4	31.4	303	200	1.26	46.7	28.3
133	120	1.08	39.8	31.5	181	260	.85	31.3	26.8	304	210	1.82	67.2	31.5

TABLE 6A. PEAK LOADS FOR CONFIGURATION A : ONE LOGAN SQUARE
LARGEST VALUES OF CLADDING LOAD REFERENCE PRESSURE = 37.0 PSF

TAP	AZI-MUTH	PRESS COEFF	ABSOLUTE PEAK ---- PSF	POSITIVE PEAK ----	TAP	AZI-MUTH	PRESS COEFF	ABSOLUTE PEAK ---- PSF	POSITIVE PEAK ----	TAP	AZI-MUTH	PRESS COEFF	ABSOLUTE PEAK ---- PSF	POSITIVE PEAK ----
305	220	1.79	66.1	34.6	407	90	1.13	41.7	38.0	455	50	.81	30.1	16.6
306	0	1.22	45.3	41.1	408	80	1.10	40.5	33.9	456	60	1.15	42.4	9.4
307	200	1.27	47.0	37.6	409	70	1.33	49.3	35.1	457	60	1.64	60.9	21.8
308	340	2.13	78.6	33.0	410	220	1.60	59.3	35.2	458	300	2.33	86.2	23.1
309	340	1.34	49.7	30.0	411	230	1.00	37.0	37.0	459	300	2.40	88.9	23.4
310	0	1.31	48.6	35.3	412	260	.96	35.4	34.7	460	320	.82	30.4	18.6
311	210	1.60	59.3	43.5	413	190	1.19	44.0	44.0	461	320	.61	22.6	18.6
312	210	1.48	54.9	43.0	414	170	1.09	40.5	40.5	462	30	.59	21.7	20.0
313	0	1.00	37.0	35.3	415	190	1.17	43.4	43.4	463	220	.58	21.6	21.6
314	0	1.14	42.1	37.8	416	180	.96	35.7	35.7	464	50	.65	24.0	10.1
315	200	1.24	45.8	36.0	417	100	1.29	47.8	33.9	465	50	1.64	60.7	13.1
316	200	1.93	71.5	38.4	418	70	1.53	56.5	38.6	466	50	1.64	60.7	19.2
317	200	1.17	43.3	34.2	419	170	1.50	55.4	33.0	467	230	1.31	48.6	16.1
318	340	1.12	41.4	38.3	420	270	1.08	40.0	35.0	468	40	.63	23.4	19.1
319	350	1.30	48.1	38.7	421	270	1.34	49.7	35.4	469	40	1.09	40.2	12.7
320	350	1.20	44.3	35.8	422	280	1.31	48.4	28.5	470	40	.98	36.2	12.6
321	210	1.65	61.1	35.6	423	280	.96	35.7	30.4	471	40	1.13	41.9	17.6
322	210	1.65	61.1	39.0	424	70	.85	31.6	28.9	472	310	.99	36.6	22.0
323	350	1.34	49.4	35.9	425	70	1.13	41.7	32.8	473	310	1.32	48.7	24.3
324	350	1.30	48.0	34.6	426	70	1.17	43.2	35.1	474	320	.83	30.6	22.9
325	0	1.21	44.9	33.5	427	70	1.26	46.7	32.8	475	230	1.03	38.2	38.2
326	170	1.53	56.6	35.8	428	70	1.52	56.1	29.1	476	220	.71	26.2	26.2
327	170	1.60	59.2	34.2	429	70	1.66	61.5	23.7	477	180	.85	31.4	31.4
328	340	1.26	46.8	27.9	430	290	1.40	51.9	34.2	478	20	.78	28.8	18.1
329	350	1.23	45.6	28.0	431	260	1.32	48.7	33.5	479	210	.93	34.5	14.2
330	350	1.09	40.4	30.1	432	280	1.06	39.3	22.0	501	40	.75	27.6	27.6
331	160	1.26	46.7	34.2	433	170	.76	28.1	28.1	502	220	.89	32.8	20.6
332	160	1.09	40.2	31.1	434	280	.85	31.6	29.5	503	30	.64	23.6	23.6
333	0	1.62	59.8	19.9	435	170	.94	34.9	34.9	504	30	.85	31.5	31.5
334	350	1.19	44.1	19.6	436	70	1.02	37.8	21.7	505	30	.74	27.5	27.5
335	160	1.04	38.5	18.9	437	80	1.47	54.5	26.7	506	40	.92	34.2	34.2
336	160	1.13	41.7	24.4	438	80	1.87	69.3	29.7	507	0	.82	30.4	30.4
337	160	1.25	46.2	25.9	439	270	1.14	42.4	31.8	508	220	.93	34.5	26.3
338	20	1.01	37.4	16.8	440	260	1.64	60.7	31.1	509	240	.79	29.3	23.2
339	20	1.20	44.6	14.2	441	280	1.10	40.7	24.3	510	240	.76	28.1	27.3
340	30	.96	35.5	19.6	442	300	1.08	39.8	19.3	511	160	.69	25.6	23.2
341	170	.66	24.4	22.5	443	300	.72	26.5	23.0	512	40	.63	23.3	23.3
342	10	.60	22.1	22.1	444	60	.67	24.9	15.2	513	30	.56	20.6	20.6
343	160	.82	30.2	24.0	445	60	.99	36.5	19.6	514	10	.72	26.7	26.7
344	180	1.28	47.5	24.2	446	60	1.72	63.6	19.0	515	20	.71	26.2	26.2
345	160	2.47	91.6	23.6	447	60	1.91	70.7	30.7	516	340	.66	24.2	24.2
346	160	2.06	76.1	26.2	448	70	1.77	65.5	16.3	517	340	.66	24.3	24.3
401	290	1.11	41.1	38.1	449	280	1.52	56.2	27.5	518	230	.69	25.9	22.9
402	290	1.40	51.7	38.2	450	280	1.71	63.4	23.8	519	30	.81	29.9	29.9
403	180	1.02	37.9	37.9	451	280	1.09	40.4	19.9	520	30	.69	25.5	25.5
404	290	1.00	36.9	33.0	452	330	.66	24.5	16.0	521	40	.62	22.8	22.8
405	70	1.61	59.6	35.9	453	320	.62	22.9	21.5	522	30	.71	26.2	26.2
406	200	1.20	44.6	44.6	454	40	.63	23.2	19.3	523	30	.70	25.9	25.9

TABLE 6A. PEAK LOADS FOR CONFIGURATION A : ONE LOGAN SQUARE
LARGEST VALUES OF CLADDING LOAD REFERENCE PRESSURE = 37.0 PSF

TAP	AZI-MUTH	PRESS COEFF	ABSOLUTE PEAK (PSF)	POSITIVE PEAK (PSF)	TAP	AZI-MUTH	PRESS COEFF	ABSOLUTE PEAK (PSF)	POSITIVE PEAK (PSF)	TAP	AZI-MUTH	PRESS COEFF	ABSOLUTE PEAK (PSF)	POSITIVE PEAK (PSF)
524	10	.63	23.4	23.4	709	230	.60	22.2	12.5	817	230	.75	27.7	20.4
525	330	.60	22.1	22.1	710	230	.67	24.7	15.9	818	20	.86	31.8	21.0
526	230	.65	24.0	22.5	711	260	.83	30.9	26.3	819	230	.60	22.0	20.5
601	220	1.06	39.2	28.0	712	240	.57	21.1	16.8	820	10	.73	27.1	27.1
602	290	.80	29.5	29.5	713	10	.71	26.3	26.3	821	90	.83	30.7	30.7
603	270	.79	29.2	29.2	714	260	.58	21.5	18.8	822	20	.82	30.2	30.2
604	270	1.00	36.9	36.9	715	10	.64	23.8	23.8	823	10	.73	26.9	26.9
605	310	.59	21.9	21.9	716	230	.69	25.5	15.7	901	210	.61	22.5	15.8
606	0	.46	17.0	17.0	717	210	.74	27.2	13.4	902	230	.79	29.1	17.9
607	250	.72	26.5	17.4	718	230	.85	31.4	16.0	903	230	.90	33.3	16.8
608	230	.66	24.4	18.3	719	260	.74	27.4	25.6	904	230	.68	25.3	16.5
609	20	.78	28.8	15.8	720	340	.97	35.8	35.8	905	220	.69	25.6	19.7
610	0	.66	24.2	20.3	721	220	.72	26.7	11.4	906	250	.75	27.7	18.1
611	330	.50	18.6	18.6	722	20	1.02	37.6	37.6	907	280	.59	21.7	17.0
612	10	.65	24.2	24.2	723	20	.97	35.7	35.7	908	190	.62	22.8	15.6
613	260	.87	32.3	32.3	724	350	.78	29.0	29.0	909	230	.80	29.7	19.4
614	260	.72	26.8	26.8	725	340	.64	23.7	23.7	910	170	.65	24.0	21.0
615	270	.76	28.1	18.4	726	320	.73	27.1	27.1	911	220	1.10	40.6	19.6
616	290	.68	25.1	25.1	727	230	.68	25.2	22.5	912	240	.55	20.5	19.2
617	340	.62	22.9	22.3	728	230	.72	26.7	26.1	913	210	1.25	46.3	17.9
618	220	.86	31.9	21.3	729	240	.87	32.3	27.7	914	160	.80	29.6	16.4
619	330	.62	23.1	23.1	801	160	.69	25.4	22.4	915	210	1.00	37.0	18.6
620	160	.88	32.5	25.7	802	220	.87	32.2	14.4	916	220	.67	24.9	19.9
621	210	.56	20.7	19.2	803	220	.68	25.2	23.1	917	240	.72	26.6	19.2
622	320	.69	25.4	25.4	804	90	.75	27.9	27.9	918	170	.68	25.1	16.9
623	340	.75	27.6	27.6	805	220	1.02	37.7	11.5	919	170	.53	19.6	17.7
624	320	1.00	36.9	36.9	806	230	.63	23.2	17.5	920	170	.91	33.7	22.3
625	320	.77	28.4	28.4	807	220	.48	17.7	16.6	921	0	.57	21.2	21.2
626	220	.82	30.2	26.1	808	230	.54	20.1	17.4	922	280	1.63	60.3	30.1
701	230	.57	21.1	21.1	809	230	1.14	42.1	16.4	923	10	1.07	39.5	39.5
702	290	.84	31.2	15.3	810	230	.73	27.0	15.9	924	230	.59	21.7	20.0
703	230	.88	32.4	32.4	811	230	.50	18.7	13.0	925	160	.68	25.3	15.1
704	220	.68	25.2	14.9	812	230	.56	20.6	16.2	1001	40	.86	31.9	12.6
705	230	.71	26.1	18.7	813	160	.61	22.7	16.4	1002	220	.77	28.5	14.6
706	240	.96	35.4	19.0	814	40	.87	32.1	32.1	1003	220	1.02	37.8	13.9
707	270	.71	26.2	22.3	815	230	.80	29.6	21.2	1004	220	.70	26.0	17.2
708	220	.74	27.4	13.7	816	240	.69	25.5	18.3	1005	240	.57	21.1	17.2

TABLE 6A. PEAK LOADS FOR CONFIGURATION A : ONE LOGAN SQUARE
LARGEST VALUES OF CLADDING LOAD REFERENCE PRESSURE = 37.0 PSF

* * 15 GREATEST PRESSURE COEFFICIENTS * *

TAP	AZI-MUTH	PRESS COEFF	ABSOLUTE PEAK ---- PSF	POSITIVE PEAK ----
345	160	2.47	91.6	23.6
459	300	2.40	88.9	23.4
458	300	2.33	86.2	23.1
160	200	2.30	85.2	22.0
159	200	2.15	79.5	20.3
308	340	2.13	78.6	33.0
5	210	2.12	78.6	14.9
346	160	2.06	76.1	26.2
215	280	2.03	75.1	17.8
132	280	1.99	73.8	38.8
316	200	1.93	71.5	38.4
447	60	1.91	70.7	30.7
438	80	1.87	69.3	29.7
172	170	1.87	69.2	16.3
2	160	1.87	69.2	13.5

TABLE 6A. PEAK LOADS FOR CONFIGURATION B : ONE LOGAN SQUARE
LARGEST VALUES OF CLADDING LOAD REFERENCE PRESSURE = 37.0 PSF

TAP	AZI-MUTH	PRESS COEFF	ABSOLUTE PEAK ---- PSF ----	POSITIVE PEAK	TAP	AZI-MUTH	PRESS COEFF	ABSOLUTE PEAK ---- PSF ----	POSITIVE PEAK	TAP	AZI-MUTH	PRESS COEFF	ABSOLUTE PEAK ---- PSF ----	POSITIVE PEAK
160	154	1.20	44.3	13.1	458	294	2.07	76.7	10.1	459	302	2.40	88.8	10.9
345	170	1.73	64.0	18.9										

TABLE 6A. PEAK LOADS FOR CONFIGURATION C : ADJACENT BUILDINGS WITH LOGAN SQUARE IN PLACE
LARGEST VALUES OF CLADDING LOAD REFERENCE PRESSURE = 37.0 PSF

TAP	AZI-MUTH	PRESS COEFF	ABSOLUTE PEAK ---- PSF	POSITIVE PEAK ----	TAP	AZI-MUTH	PRESS COEFF	ABSOLUTE PEAK ---- PSF	POSITIVE PEAK ----	TAP	AZI-MUTH	PRESS COEFF	ABSOLUTE PEAK ---- PSF	POSITIVE PEAK ----
101	10	.77	28.5	16.4	205	290	1.10	40.6	40.6	309	280	1.24	45.8	34.8
102	140	1.31	48.4	48.4	206	260	.89	33.1	30.7	310	220	1.72	63.6	40.0
103	130	1.52	56.3	15.8	207	70	1.53	56.7	13.5	311	220	1.37	50.7	33.1
104	50	.97	36.0	36.0	208	260	1.09	40.2	19.1	312	320	1.37	50.6	42.7
105	320	.64	23.8	23.8	209	270	1.34	49.7	32.2	313	90	1.48	54.9	17.4
106	220	.68	25.1	12.0	210	310	.86	31.8	31.8	314	220	1.74	64.4	24.9
107	310	1.09	40.3	40.3	211	140	.61	22.5	22.5	315	320	1.26	46.6	13.7
108	0	.68	25.3	25.3	212	140	.74	27.3	27.3	316	100	1.30	48.0	25.3
109	140	1.03	37.9	37.9	213	230	1.18	43.7	28.0	317	220	1.45	53.6	33.0
110	140	1.10	40.6	40.6	214	250	1.40	51.8	20.5	318	0	1.26	46.5	15.3
111	260	.83	30.7	30.7	215	0	1.06	39.1	27.7	319	320	1.19	44.1	38.1
112	0	.96	35.5	35.5	301	160	1.56	57.6	36.0	320	340	1.36	50.4	12.2
113	300	.67	24.6	24.6	302	220	1.54	56.9	35.2	321	220	1.26	46.5	20.1
114	140	1.23	45.5	29.0	303	210	2.59	95.7	29.4	322	320	.55	20.4	15.6
115	0	.87	32.2	32.2	304	30	1.81	66.9	34.3	323	230	.70	25.8	17.6
116	0	.61	22.4	22.4	305	160	1.53	56.5	46.2	324	220	.95	35.0	32.8
201	70	1.00	36.9	36.9	306	280	1.58	58.4	30.3	325	230	.88	32.7	27.8
202	70	1.27	46.9	6.5	307	210	2.61	96.5	25.9	326	210	1.17	43.4	43.4
203	250	.96	35.7	22.7	308	110	1.31	48.3	16.4	327	330	.64	23.7	12.2
204	280	1.29	47.9	43.2										

TABLE 6A. PEAK LOADS FOR CONFIGURATION C : ADJACENT BUILDINGS WITH LOGAN SQUARE IN PLACE
LARGEST VALUES OF CLADDING LOAD REFERENCE PRESSURE = 37.0 PSF

* * 15 GREATEST PRESSURE COEFFICIENTS * *

TAP	AZI-MUTH	PRESS COEFF	ABSOLUTE PEAK ---- PSF	POSITIVE PEAK ----
307	210	2.61	96.5	25.9
303	210	2.59	95.7	29.4
304	30	1.81	66.9	34 3
314	220	1.74	64.4	24.9
310	220	1.72	63.6	40.0
306	280	1.58	58.4	30 3
301	160	1.56	57 6	36.0
302	220	1.54	56.9	35.2
207	70	1.53	56.7	13.5
305	160	1.53	56.5	46.2
103	130	1.52	56.3	15.8
313	90	1 48	54.9	17.4
317	220	1.45	53.6	33.0
214	250	1.40	51.8	20.5
311	220	1.37	50.7	33.1

TABLE 6A. PEAK LOADS FOR CONFIGURATION 0 : ADJACENT BUILDINGS WITHOUT LOGAN SQUARE IN PLACE
LARGEST VALUES OF CLADDING LOAD REFERENCE PRESSURE = 37.0 PSF

TAP	AZI-MUTH	PRESS COEFF	ABSOLUTE PEAK (PSF)	POSITIVE PEAK (PSF)
101	130	.80	29.8	12.2
102	320	.56	20.6	19.0
103	40	.63	23.2	19.1
104	210	.95	35.0	19.3
105	60	.81	30.0	30.0
106	140	.78	28.8	15.8
107	20	.97	36.0	24.8
108	70	.68	25.2	25.1
109	60	.79	29.2	14.7
110	310	.67	24.7	13.2
111	60	.51	19.0	19.0
112	60	.47	17.5	17.5
113	30	.54	20.0	14.3
114	60	.72	26.6	15.4
115	10	1.01	37.4	18.7
116	90	1.15	42.4	23.2
201	10	.95	35.1	35.0
202	100	1.06	39.2	31.6
203	260	.98	36.1	31.8
204	280	1.33	49.4	36.2
205	280	1.02	37.7	37.7
206	260	.87	32.3	23.7
207	260	1.10	40.8	29.0
208	250	1.25	46.3	34.9
209	260	1.17	43.4	30.7
210	340	.80	29.4	28.6
211	310	.76	28.2	28.2
212	240	.91	33.6	31.9
213	260	1.23	45.3	30.8
214	270	1.07	39.5	19.4
215	350	.93	34.4	29.4
301	150	1.73	64.0	35.2
302	50	1.48	54.7	43.6
303	50	2.74	101.6	30.9
304	160	1.81	66.9	33.8
305	110	1.81	67.0	41.9
306	50	1.43	53.0	34.4
307	220	2.09	77.3	26.9
308	100	1.33	49.2	26.1
309	100	1.56	57.7	34.4
310	220	1.33	49.1	35.5
311	340	.99	36.8	33.5
312	290	1.25	46.2	28.7
313	100	1.63	60.2	17.5
314	220	1.32	48.8	16.5
315	250	1.16	42.9	17.5
316	100	1.28	47.3	25.0
317	220	1.31	48.4	33.8
318	340	1.05	38.9	27.9
319	330	1.11	41.2	17.9
320	100	1.32	48.8	15.1
321	220	1.01	37.3	13.4
322	110	.65	24.2	17.6
323	300	.69	25.6	21.6
324	330	.70	25.9	25.9
325	330	.75	27.7	23.0
326	320	.80	29.5	26.7
327	100	.59	21.8	15.2

TABLE 6A. PEAK LOADS FOR CONFIGURATION D : ADJACENT BUILDINGS WITHOUT LOGAN SQUARE IN PLACE
LARGEST VALUES OF CLADDING LOAD REFERENCE PRESSURE = 37.0 PSF

* * 15 GREATEST PRESSURE COEFFICIENTS * *

TAP	AZI-MUTH	PRESS COEFF	ABSOLUTE PEAK ---- PSF	POSITIVE PEAK ----
303	50	2.74	101.6	30.9
307	220	2.09	77 3	26.9
305	110	1.81	67.0	41.9
304	160	1.81	66.9	33.8
301	150	1.73	64.0	35.2
313	100	1.63	60.2	17.5
309	100	1.56	57.7	34.4
302	50	1.48	54.7	43.6
306	50	1.43	53.0	34.4
204	280	1.33	49.4	36.2
308	100	1.33	49.2	26.1
310	220	1.33	49.1	35.5
314	220	1.32	48.8	16.5
320	100	1.32	48.8	15.1
317	220	1.31	48.4	33.8

TABLE 6B. COMPARISON OF CONFIGURATIONS D AND C :
TAPS WHERE ABSOLUTE PEAK LOAD FOR CONFIG. C EXCEEDED THAT FOR CONFIG. D BY 5 PSF
REF. PRESSURE = 37.0 PSF

TAP	D CONFIG. AZIMUTH	D CONFIG. PSF LOAD	C CONFIG AZIMUTH	C CONFIG PSF LOAD
102	320	20.6	140	48.4
103	40	23.2	130	56.3
109	60	29.2	140	37.9
110	310	24.7	140	40.6
111	60	19.0	260	30.7
112	60	17.5	0	35.5
113	60	26.6	140	45.5
206	100	39.2	70	46.9
207	260	40.8	70	56.7
209	250	43.4	270	49.7
214	270	38.5	250	51.8
306	50	53.0	280	58.4
307	220	77.3	210	96.5
310	220	49.1	220	53.6
311	340	36.8	220	50.7
314	220	48.8	220	64.4
317	220	48.4	220	53.6
318	340	38.9	0	46.5
321	220	37.3	220	46.5
324	330	25.9	220	35.0
325	330	27.7	230	32.7
326	320	29.5	210	43.4

TABLE 6B. COMPARISON OF CONFIGURATIONS C AND D :
TAPS WHERE ABSOLUTE PEAK LOAD FOR CONFIG. D EXCEEDED THAT FOR CONFIG. C BY 5 PSF
REF. PRESSURE = 37.0 PSF

TAP	AZIMUTH	C CONFIG. PSF LOAD	AZIMUTH	D CONFIG. PSF LOAD
105	320	23.8	60	30.0
115	0	32.2	10	37.4
116	0	22.4	90	42.4
208	260	40.2	250	46.3
211	140	22.5	310	28.2
212	140	27.3	240	33.6
701	160	57.6	150	64.0
703	210	95.7	50	101.6
705	160	56.5	110	67.0
709	280	45.8	100	57.7
713	90	54.9	100	60.2

TABLE 7. BASE SHEAR AND MOMENT SUMMARY : ONE LOGAN SQUARE -- TOWER
CONFIGURATION A REFERENCE PRESSURE 37.0 GUST FACTOR 1.32

AZIMUTH DEGREES	X-SHEAR KIPS	Y-SHEAR KIPS	X-MOMENT	Y-MOMENT 1000-FT-KIPS	Z-MOMENT
0	-2467.9	559.8	-115.1	-481.7	53.6
10	-2573.0	611.0	-124.0	-504.0	29.3
20	-2810.2	629.4	-125.3	-557.1	8.0
30	-2945.3	661.1	-129.9	-577.2	-15.0
40	-2879.0	634.6	-130.5	-574.5	-21.8
50	-2066.5	386.6	-82.3	-435.4	-25.8
60	-1637.8	293.5	-66.5	-367.3	-47.8
70	-1337.8	293.4	-65.0	-310.6	-51.8
80	-770.2	226.7	-47.3	-176.2	-37.0
90	-336.4	182.4	-40.1	-69.4	-31.1
100	-43.4	131.4	-30.7	0	-13.8
110	265.1	38.1	-9.3	83.2	5
120	440.5	-1.0	2.4	125.5	10.6
130	614.7	-42.8	15.0	158.0	18.1
140	960.8	-101.5	28.8	247.0	29.6
150	1300.6	-140.4	40.3	330.6	38.8
160	1550.0	-142.4	37.9	381.1	35.5
170	1169.2	-71.8	20.6	301.5	28.9
180	893.1	4.2	1.7	232.3	21.7
190	879.8	-34.0	7.9	242.1	17.8
200	653.9	-9.0	-6.4	173.0	1
210	1115.0	-163.8	21.0	270.2	-26.2
220	1752.3	-454.2	82.8	400.8	-48.5
230	2204.7	-650.0	129.7	480.0	-71.3
240	2251.3	-652.8	138.3	469.5	-77.4
250	1592.5	-609.6	134.4	327.2	-62.5
260	1226.7	-537.4	141.4	239.0	-58.2
270	817.6	-581.3	131.1	149.4	-46.3
280	365.7	-537.7	123.1	61.3	-26.9
290	-294.4	-562.3	128.2	-75.8	10.2
300	-816.8	-558.6	129.5	-181.4	45.9
310	-1067.5	-531.4	128.0	-215.3	74.0
320	-1444.6	-438.4	108.1	-286.3	89.9
330	-1735.4	-148.0	43.2	-349.9	91.8
340	-1978.0	182.9	-32.8	-398.6	86.4
350	-2262.2	465.3	-96.7	-453.0	79.3

TABLE 7. BASE SHEAR AND MOMENT SUMMARY : ONE LOGAN SQUARE -- HOTEL
CONFIGURATION A REFERENCE PRESSURE 37.0 GUST FACTOR 1.32

AZIMUTH DEGREES	X-SHEAR KIPS	Y-SHEAR KIPS	X-MOMENT	Y-MOMENT 1000-FT-KIPS	Z-MOMENT
0	14.5	14.7	-.7	-.7	4.7
10	22.4	44.8	-2.1	-.1	1.8
20	28.4	80.3	-3.7	.7	-.2
30	25.1	108.6	-5.0	.2	-4.6
40	41.8	65.5	-3.3	.8	-1.9
50	21.7	22.7	-1.2	-.0	.3
60	34.0	5.7	-.2	.6	.0
70	57.4	13.0	-.3	1.7	-1.4
80	33.2	5.1	-.2	.9	1.1
90	-3.4	10.5	-.6	-.7	-.5
100	-39.6	-.5	-.2	-2.2	-.8
110	-45.3	-17.3	.8	-2.5	-.9
120	-23.5	-33.5	1.7	-1.5	.7
130	-27.3	-55.8	2.8	-1.7	2.6
140	-59.5	-83.3	4.0	-3.4	3.6
150	-108.4	-85.2	4.3	-5.9	2.5
160	-122.1	-99.4	5.0	-6.8	2.2
170	-108.8	-100.5	5.0	-6.2	1.6
180	-113.9	-113.0	5.6	-6.5	2.7
190	-118.9	-129.7	6.4	-7.2	1.4
200	-114.9	-91.4	4.7	-7.1	-1.3
210	-148.2	-147.9	7.8	-8.3	-.6
220	-133.4	-203.1	11.0	-6.9	-3.3
230	-85.4	-237.8	12.8	-4.1	-7.8
240	-57.8	-214.4	11.7	-2.7	-11.0
250	-66.5	-164.7	9.0	-3.1	-7.3
260	-34.9	-137.6	7.3	-1.7	-3.4
270	7.8	-92.9	4.6	.1	2.3
280	25.5	-68.0	3.6	.8	7.3
290	47.7	-71.0	3.4	1.9	11.0
300	72.5	-85.6	4.0	2.9	15.5
310	99.0	-95.6	4.5	3.8	18.5
320	121.7	-89.7	4.2	4.3	18.2
330	87.9	-67.9	3.2	2.7	16.1
340	48.5	-39.4	1.8	.3	15.4
350	61.9	-26.6	.9	1.0	15.1

TABLE 7. SHEAR AND MOMENT DIAGRAMS : ONE LOGAN SQUARE -- TOWER
WIND DIRECTION 0 CONFIGURATION A REFERENCE PRESSURE 37.0 PSF GUST FACTOR 1.32

FLOOR	HEIGHT FT	X-FORCE KIPS	Y-FORCE KIPS	X-AREA SQ FT	Y-AREA SQ FT	X-PRESS PSF	Y-PRESS PSF	X-SHEAR KIPS	Y-SHEAR KIPS	X-MOMENT	Y-MOMENT 1000-FT-KIPS	Z-MOMENT
GRND	0.00	-115.1	17.3	5331	1867	-21.6	9.3	-2467.9	559.8	-115.1	-481.7	53.6
MECH	23.33	-135.5	27.6	7191	2073	-18.8	13.3	-2352.8	542.5	-102.3	-425.5	52.0
3RD	46.66	-68.1	14.2	3635	971	-18.7	14.6	-2217.3	514.9	-89.9	-372.2	49.8
4TH	58.33	-68.2	15.4	3635	971	-18.8	15.9	-2149.2	500.7	-84.0	-346.7	48.7
5TH	70.00	-68.9	16.2	3635	971	-18.9	16.7	-2081.0	485.3	-78.2	-322.0	47.6
6TH	81.67	-70.3	16.2	3635	971	-19.3	16.6	-2012.1	469.0	-72.7	-298.1	46.4
7TH	93.34	-71.7	16.1	3635	971	-19.7	16.6	-1941.8	452.9	-67.3	-275.1	45.2
8TH	105.01	-73.2	16.1	3635	971	-20.1	16.5	-1870.0	436.8	-62.1	-252.8	43.9
9TH	116.68	-74.6	16.0	3635	971	-20.5	16.5	-1796.9	420.7	-57.1	-231.4	42.5
10TH	128.35	-76.0	15.9	3635	971	-20.9	16.4	-1722.2	404.7	-52.3	-210.9	41.0
11TH	140.02	-77.2	15.8	3635	971	-21.2	16.3	-1646.2	388.8	-47.6	-191.2	39.4
12TH	151.69	-78.0	16.4	3635	971	-21.5	16.9	-1569.0	373.0	-43.2	-172.5	37.8
13TH	163.36	-78.9	16.9	3635	971	-21.7	17.4	-1491.0	356.6	-38.9	-154.6	36.1
14TH	175.03	-79.8	17.4	3635	971	-21.9	17.9	-1412.1	339.7	-34.9	-137.7	34.4
15TH	186.70	-80.6	18.0	3635	971	-22.2	18.5	-1332.3	322.2	-31.0	-121.7	32.5
16TH	198.37	-81.8	18.5	3635	971	-22.5	19.0	-1251.6	304.3	-27.4	-106.6	30.6
17TH	210.04	-83.4	18.9	3635	971	-22.9	19.5	-1169.8	285.8	-23.9	-92.5	28.6
18TH	221.71	-84.9	19.4	3635	971	-23.3	20.0	-1086.4	266.9	-20.7	-79.3	26.6
19TH	233.38	-86.4	19.9	3635	971	-23.8	20.5	-1001.6	247.4	-17.7	-67.1	24.7
20TH	245.05	-87.9	20.4	3635	971	-24.2	21.0	-915.2	227.5	-14.9	-55.9	22.7
21ST	256.72	-89.4	20.9	3635	971	-24.6	21.5	-827.4	207.1	-12.4	-45.8	20.7
22ND	268.39	-89.1	20.9	3635	971	-24.5	21.5	-738.0	186.2	-10.1	-36.6	18.6
23RD	280.06	-88.6	20.8	3635	971	-24.4	21.4	-648.9	165.3	-8.0	-28.5	16.6
24TH	291.73	-88.1	20.6	3635	971	-24.2	21.2	-560.3	144.6	-6.2	-21.5	14.6
25TH	303.40	-87.6	20.5	3635	971	-24.1	21.1	-472.2	124.0	-4.7	-15.5	12.5
26TH	315.07	-87.1	20.4	3635	971	-24.0	21.0	-384.6	103.5	-3.3	-10.5	10.5
27TH	326.74	-84.3	20.0	3635	971	-23.2	20.6	-297.5	83.1	-2.3	-6.5	8.4
28TH	338.41	-78.2	18.7	3635	971	-21.5	19.3	-213.3	63.1	-1.4	-3.5	6.3
29TH	350.08	-72.1	17.5	3635	971	-19.8	18.0	-135.1	44.4	-.8	-1.5	4.2
30TH	361.75	-66.1	16.2	3635	971	-18.2	16.7	-63.0	26.9	-.4	-.3	2.2
PENT	373.42	3.1	10.6	6769	1416	.5	7.5	3.1	10.6	-.1	.0	.2

TABLE 7. SHEAR AND MOMENT DIAGRAMS : ONE LOGAN SQUARE -- TOWER
WIND DIRECTION 10 CONFIGURATION A REFERENCE PRESSURE 37.0 PSF GUST FACTOR 1.32

FLOOR	HEIGHT FT	X-FORCE KIPS	Y-FORCE KIPS	X-AREA SQ FT	Y-AREA SQ FT	X-PRESS PSF	Y-PRESS PSF	X-SHEAR KIPS	Y-SHEAR KIPS	X-MOMENT	Y-MOMENT 1000-FT-KIPS	Z-MOMENT
GRND	0.00	-126.9	19.1	5331	1867	-23.8	10.2	-2573.0	611.0	-124.0	-504.0	29.3
MECH	23.33	-134.9	31.1	7191	2073	-18.8	15.0	-2446.1	591.9	-109.9	-445.5	28.1
3RD	46.66	-66.4	15.8	3635	971	-18.3	16.3	-2311.2	560.8	-96.5	-390.0	26.6
4TH	58.33	-65.4	17.1	3635	971	-18.0	17.6	-2244.8	545.0	-90.0	-363.4	26.0
5TH	70.00	-66.5	17.9	3635	971	-18.3	18.5	-2179.4	527.9	-83.8	-337.6	25.3
6TH	81.67	-69.5	18.1	3635	971	-19.1	18.6	-2112.9	510.0	-77.7	-312.5	24.6
7TH	93.34	-72.4	18.3	3635	971	-19.9	18.8	-2043.5	491.9	-71.9	-288.3	23.8
8TH	105.01	-75.4	18.4	3635	971	-20.7	18.9	-1971.0	473.6	-66.3	-264.8	22.9
9TH	116.68	-78.3	18.6	3635	971	-21.5	19.1	-1895.7	455.2	-60.8	-242.3	22.0
10TH	128.35	-81.3	18.7	3635	971	-22.4	19.3	-1817.3	436.6	-55.6	-220.6	21.0
11TH	140.02	-82.3	19.1	3635	971	-22.6	19.6	-1736.1	417.9	-50.6	-199.9	20.0
12TH	151.69	-83.3	19.2	3635	971	-22.9	19.7	-1653.8	398.9	-45.9	-180.1	19.0
13TH	163.36	-84.4	19.3	3635	971	-23.2	19.8	-1570.5	379.7	-41.3	-161.3	17.9
14TH	175.03	-85.5	19.4	3635	971	-23.5	20.0	-1486.1	360.4	-37.0	-143.5	16.9
15TH	186.70	-86.5	19.5	3635	971	-23.8	20.1	-1400.6	341.1	-32.9	-126.6	15.9
16TH	198.37	-87.6	19.7	3635	971	-24.1	20.3	-1314.1	321.6	-29.1	-110.8	14.9
17TH	210.04	-88.8	20.0	3635	971	-24.4	20.6	-1226.4	301.9	-25.4	-95.9	13.9
18TH	221.71	-89.9	20.3	3635	971	-24.7	20.9	-1137.7	281.9	-22.0	-82.2	12.9
19TH	233.38	-91.0	20.7	3635	971	-25.0	21.3	-1047.8	261.5	-18.8	-69.4	11.9
20TH	245.05	-92.1	21.0	3635	971	-25.3	21.6	-956.8	240.9	-15.9	-57.7	10.9
21ST	256.72	-93.3	21.3	3635	971	-25.7	21.9	-864.6	219.9	-13.2	-47.1	9.8
22ND	268.39	-93.4	21.6	3635	971	-25.7	22.3	-771.4	198.6	-10.8	-37.5	8.8
23RD	280.06	-93.6	21.8	3635	971	-25.8	22.4	-678.0	177.0	-8.6	-29.1	7.7
24TH	291.73	-93.8	21.9	3635	971	-25.8	22.6	-584.3	155.2	-6.6	-21.7	6.6
25TH	303.40	-94.0	22.1	3635	971	-25.9	22.8	-490.5	133.3	-5.0	-15.4	5.5
26TH	315.07	-94.2	22.3	3635	971	-25.9	22.9	-396.6	111.1	-3.5	-10.3	4.3
27TH	326.74	-90.9	21.9	3635	971	-25.0	22.5	-302.4	88.9	-2.4	-6.2	3.2
28TH	338.41	-82.5	20.3	3635	971	-22.7	20.9	-211.5	67.0	-1.5	-3.2	2.1
29TH	350.08	-74.1	18.8	3635	971	-20.4	19.4	-129.0	46.7	-.8	-1.2	1.0
30TH	361.75	-65.8	17.2	3635	971	-18.1	17.7	-54.9	27.9	-.4	-.1	.1
PENT	373.42	10.8	10.7	6769	1416	1.6	7.5	10.8	10.7	-.1	.1	-.8

TABLE 7. SHEAR AND MOMENT DIAGRAMS : ONE LOGAN SQUARE -- TOWER
WIND DIRECTION 20 CONFIGURATION A REFERENCE PRESSURE 37.0 PSF GUST FACTOR 1.32

FLOOR	HEIGHT FT	X-FORCE KIPS	Y-FORCE KIPS	X-AREA SQ FT	Y-AREA SQ FT	X-PRESS PSF	Y-PRESS PSF	X-SHEAR KIPS	Y-SHEAR KIPS	X-MOMENT	Y-MOMENT 1000-FT-KIPS	Z-MOMENT
GRND	0.00	-135.2	23.1	5331	1867	-25.4	12.4	-2810.2	629.4	-125.3	-557.1	8.0
MECH	23.33	-150.6	31.8	7191	2073	-20.9	15.3	-2674.9	606.4	-110.8	-493.2	7.0
3RD	46.66	-74.1	16.2	3635	971	-20.4	16.7	-2524.3	574.6	-97.1	-432.5	5.3
4TH	58.33	-72.8	17.2	3635	971	-20.0	17.8	-2450.2	558.4	-90.5	-403.5	4.8
5TH	70.00	-73.3	18.0	3635	971	-20.2	18.5	-2377.3	541.1	-84.0	-375.3	4.2
6TH	81.67	-75.1	18.2	3635	971	-20.7	18.7	-2304.1	523.1	-77.8	-348.0	3.8
7TH	93.34	-76.9	18.4	3635	971	-21.2	18.9	-2228.9	504.9	-71.8	-321.6	3.4
8TH	105.01	-78.8	18.6	3635	971	-21.7	19.1	-2152.0	486.5	-66.0	-296.0	3.0
9TH	116.68	-80.6	18.8	3635	971	-22.2	19.3	-2073.2	467.9	-60.5	-271.3	2.6
10TH	128.35	-82.4	19.0	3635	971	-22.7	19.5	-1992.6	449.1	-55.1	-247.6	2.3
11TH	140.02	-84.7	19.5	3635	971	-23.3	20.1	-1910.2	430.1	-50.0	-224.8	2.1
12TH	151.69	-86.9	20.2	3635	971	-23.9	20.8	-1825.5	410.6	-45.1	-203.0	1.8
13TH	163.36	-89.1	20.9	3635	971	-24.5	21.5	-1738.6	390.5	-40.4	-182.2	1.6
14TH	175.03	-91.4	21.5	3635	971	-25.1	22.2	-1649.5	369.6	-36.0	-162.5	1.5
15TH	186.70	-93.6	22.2	3635	971	-25.7	22.9	-1558.2	348.1	-31.8	-143.8	1.3
16TH	198.37	-95.4	22.7	3635	971	-26.2	23.3	-1464.6	325.9	-27.9	-126.1	1.3
17TH	210.04	-96.5	22.7	3635	971	-26.6	23.4	-1369.2	303.2	-24.2	-109.6	1.2
18TH	221.71	-97.7	22.7	3635	971	-26.9	23.4	-1272.7	280.5	-20.8	-94.2	1.2
19TH	233.38	-98.9	22.7	3635	971	-27.2	23.4	-1175.0	257.8	-17.6	-79.9	1.2
20TH	245.05	-100.0	22.7	3635	971	-27.5	23.4	-1076.1	235.1	-14.8	-66.8	1.1
21ST	256.72	-101.2	22.7	3635	971	-27.8	23.4	-976.1	212.4	-12.2	-54.8	1.1
22ND	268.39	-102.1	22.7	3635	971	-28.1	23.4	-874.9	189.7	-9.8	-44.0	1.1
23RD	280.06	-102.9	22.4	3635	971	-28.3	23.1	-772.8	167.0	-7.7	-34.4	1.1
24TH	291.73	-103.8	22.1	3635	971	-28.6	22.8	-669.9	144.6	-5.9	-25.9	.9
25TH	303.40	-104.7	21.9	3635	971	-28.8	22.5	-566.1	122.4	-4.4	-18.7	.8
26TH	315.07	-105.6	21.6	3635	971	-29.0	22.2	-461.4	100.6	-3.1	-12.7	.5
27TH	326.74	-102.1	20.7	3635	971	-28.1	21.4	-355.8	79.0	-2.0	-8.0	.3
28TH	338.41	-92.2	18.8	3635	971	-25.4	19.4	-253.8	58.2	-1.2	-4.4	.2
29TH	350.08	-82.4	16.9	3635	971	-22.7	17.4	-161.5	39.4	-.6	-2.0	-.3
30TH	361.75	-72.6	14.9	3635	971	-20.0	15.3	-79.2	22.5	-.3	-.6	-.5
PENT	373.42	-6.6	7.6	6769	1416	-1.0	5.4	-6.6	7.6	-.1	-.1	-.7

TABLE 7. SHEAR AND MOMENT DIAGRAMS : ONE LOGAN SQUARE -- TOWER
WIND DIRECTION 30 CONFIGURATION A REFERENCE PRESSURE 37.0 PSF GUST FACTOR 1.32

FLOOR	HEIGHT FT	X-FORCE KIPS	Y-FORCE KIPS	X-AREA SQ FT	Y-AREA SQ FT	X-PRESS PSF	Y-PRESS PSF	X-SHEAR KIPS	Y-SHEAR KIPS	X-MOMENT	Y-MOMENT 1000-FT-KIPS	Z-MOMENT
GRND	0.00	-147.8	28.5	5331	1867	-27.7	15.3	-2945.3	661.1	-129.9	-577.2	-15.0
MECH	23.33	-158.7	33.5	7191	2073	-22.1	16.2	-2797.5	632.6	-114.8	-510.2	-15.8
3RD	46.66	-79.3	16.9	3635	971	-21.8	17.4	-2638.8	599.1	-100.4	-446.8	-16.9
4TH	58.33	-78.8	17.7	3635	971	-21.7	18.3	-2559.5	582.2	-93.5	-416.4	-17.1
5TH	70.00	-79.5	18.5	3635	971	-21.9	19.1	-2480.7	564.5	-86.8	-387.0	-17.3
6TH	81.67	-81.5	19.1	3635	971	-22.4	19.7	-2401.2	545.9	-80.3	-358.5	-17.4
7TH	93.34	-83.5	19.7	3635	971	-23.0	20.3	-2319.8	526.8	-74.1	-331.0	-17.4
8TH	105.01	-85.5	20.3	3635	971	-23.5	20.9	-2236.3	507.1	-68.0	-304.4	-17.3
9TH	116.68	-87.5	20.9	3635	971	-24.1	21.5	-2150.8	486.7	-62.2	-278.8	-17.1
10TH	128.35	-89.5	21.5	3635	971	-24.6	22.1	-2063.3	465.8	-56.7	-254.2	-16.8
11TH	140.02	-91.0	21.8	3635	971	-25.0	22.4	-1973.8	444.3	-51.4	-230.6	-16.4
12TH	151.69	-92.3	21.9	3635	971	-25.4	22.5	-1882.8	422.6	-46.3	-208.1	-15.9
13TH	163.36	-93.7	22.0	3635	971	-25.8	22.7	-1790.5	400.7	-41.5	-186.7	-15.4
14TH	175.03	-95.0	22.1	3635	971	-26.1	22.8	-1696.8	378.7	-37.0	-166.4	-14.7
15TH	186.70	-96.3	22.3	3635	971	-26.5	22.9	-1601.8	356.5	-32.7	-147.1	-14.0
16TH	198.37	-97.9	22.4	3635	971	-26.9	23.1	-1505.5	334.2	-28.7	-129.0	-13.2
17TH	210.04	-99.6	22.5	3635	971	-27.4	23.2	-1407.6	311.8	-24.9	-112.0	-12.3
18TH	221.71	-101.3	22.7	3635	971	-27.9	23.3	-1308.1	289.3	-21.4	-96.1	-11.5
19TH	233.38	-102.9	22.8	3635	971	-28.3	23.4	-1206.8	266.7	-18.1	-81.5	-10.7
20TH	245.05	-104.6	22.9	3635	971	-28.8	23.6	-1103.9	243.9	-15.1	-68.0	-9.9
21ST	256.72	-106.3	23.0	3635	971	-29.2	23.7	-999.3	221.0	-12.4	-55.7	-9.0
22ND	268.39	-106.2	23.3	3635	971	-29.2	24.0	-893.0	197.9	-10.0	-44.7	-8.2
23RD	280.06	-106.3	23.4	3635	971	-29.2	24.1	-786.7	174.6	-7.8	-34.9	-7.4
24TH	291.73	-106.3	23.4	3635	971	-29.2	24.1	-680.5	151.2	-5.9	-26.3	-6.6
25TH	303.40	-106.3	23.5	3635	971	-29.2	24.2	-574.2	127.8	-4.3	-19.0	-5.8
26TH	315.07	-106.4	23.5	3635	971	-29.3	24.2	-467.9	104.4	-2.9	-12.9	-5.0
27TH	326.74	-102.8	22.8	3635	971	-28.3	23.5	-361.5	80.9	-1.9	-8.1	-4.1
28TH	338.41	-93.8	20.7	3635	971	-25.8	21.3	-258.7	58.1	-1.0	-4.4	-3.2
29TH	350.08	-84.7	18.5	3635	971	-23.3	19.1	-164.9	37.4	-.5	-2.0	-2.5
30TH	361.75	-75.8	16.3	3635	971	-20.9	16.8	-80.2	18.8	-.2	-.5	-1.8
PENT	373.42	-4.3	2.6	6769	1416	-.6	1.8	-4.3	2.6	-.0	-.1	-1.3

TABLE 7. SHEAR AND MOMENT DIAGRAMS : ONE LOGAN SQUARE -- TOWER
WIND DIRECTION 40 CONFIGURATION A REFERENCE PRESSURE 37.0 PSF GUST FACTOR 1.32

FLOOR	HEIGHT FT	X-FORCE KIPS	Y-FORCE KIPS	X-AREA SQ FT	Y-AREA SQ FT	X-PRESS PSF	Y-PRESS PSF	X-SHEAR KIPS	Y-SHEAR KIPS	X-MOMENT	Y-MOMENT 1000-FT-KIPS	Z-MOMENT
GRND	0.00	-137.0	25.4	5331	1867	-25.7	13.6	-2879.0	634.6	-130.5	-574.5	-21.8
MECH	23.33	-146.4	28.1	7191	2073	-20.4	13.6	-2742.1	609.2	-116.0	-508.9	-22.8
3RD	46.66	-73.0	14.1	3635	971	-20.1	14.5	-2595.7	581.1	-102.1	-446.7	-23.8
4TH	58.33	-72.9	15.1	3635	971	-20.0	15.5	-2522.7	567.0	-95.4	-416.8	-24.0
5TH	70.00	-74.1	16.0	3635	971	-20.4	16.5	-2449.8	551.9	-88.9	-387.8	-24.1
6TH	81.67	-76.6	16.6	3635	971	-21.1	17.1	-2375.7	535.9	-82.5	-359.6	-24.2
7TH	93.34	-79.1	17.2	3635	971	-21.8	17.8	-2299.1	519.3	-76.4	-332.4	-24.1
8TH	105.01	-81.7	17.9	3635	971	-22.5	18.4	-2219.9	502.0	-70.4	-306.0	-24.0
9TH	116.68	-84.2	18.5	3635	971	-23.2	19.1	-2138.3	484.2	-64.7	-280.6	-23.8
10TH	128.35	-86.7	19.1	3635	971	-23.8	19.7	-2054.1	465.7	-59.1	-256.1	-23.4
11TH	140.02	-88.8	19.4	3635	971	-24.4	20.0	-1967.4	446.5	-53.8	-232.6	-23.0
12TH	151.69	-90.6	19.8	3635	971	-24.9	20.4	-1878.6	427.1	-48.7	-210.2	-22.5
13TH	163.36	-92.5	20.2	3635	971	-25.4	20.8	-1788.0	407.3	-43.8	-188.8	-21.8
14TH	175.03	-94.3	20.7	3635	971	-25.9	21.3	-1695.5	387.1	-39.2	-168.5	-21.0
15TH	186.70	-96.1	21.1	3635	971	-26.4	21.7	-1601.2	366.4	-34.8	-149.2	-20.1
16TH	198.37	-97.7	21.5	3635	971	-26.9	22.1	-1505.1	345.4	-30.6	-131.1	-19.0
17TH	210.04	-98.8	21.7	3635	971	-27.2	22.4	-1407.5	323.9	-26.7	-114.1	-17.9
18TH	221.71	-99.8	22.0	3635	971	-27.5	22.7	-1308.7	302.2	-23.1	-98.3	-16.7
19TH	233.38	-100.9	22.3	3635	971	-27.8	23.0	-1208.9	280.2	-19.7	-83.6	-15.6
20TH	245.05	-102.0	22.6	3635	971	-28.1	23.2	-1107.9	257.9	-16.5	-70.1	-14.4
21ST	256.72	-103.1	22.9	3635	971	-28.4	23.5	-1005.9	235.3	-13.7	-57.7	-13.2
22ND	268.39	-103.5	23.6	3635	971	-28.5	24.3	-902.8	212.4	-11.1	-46.6	-12.0
23RD	280.06	-104.0	24.0	3635	971	-28.6	24.7	-799.4	188.8	-8.7	-36.6	-10.8
24TH	291.73	-104.6	24.4	3635	971	-28.8	25.1	-695.4	164.9	-6.7	-27.9	-9.6
25TH	303.40	-105.1	24.7	3635	971	-28.9	25.5	-590.8	140.5	-4.9	-20.4	-8.4
26TH	315.07	-105.7	25.1	3635	971	-29.1	25.9	-485.7	115.8	-3.4	-14.1	-7.1
27TH	326.74	-102.7	24.7	3635	971	-28.3	25.4	-380.0	90.7	-2.2	-9.1	-5.9
28TH	338.41	-94.3	22.5	3635	971	-25.9	23.2	-277.3	66.0	-1.3	-5.3	-4.6
29TH	350.08	-85.8	20.3	3635	971	-23.6	20.9	-183.0	43.5	-.6	-2.6	-3.4
30TH	361.75	-77.5	17.9	3635	971	-21.3	18.5	-97.2	23.1	-.2	-.9	-2.3
PENT	373.42	-19.6	5.2	6769	1416	-2.9	3.7	-19.6	5.2	-.1	-.3	-1.1

TABLE 7. SHEAR AND MOMENT DIAGRAMS : ONE LOGAN SQUARE -- TOWER
WIND DIRECTION 50 CONFIGURATION A REFERENCE PRESSURE 37.0 PSF GUST FACTOR 1.32

FLOOR	HEIGHT FT	X-FORCE KIPS	Y-FORCE KIPS	X-AREA SQ FT	Y-AREA SQ FT	X-PRESS PSF	Y-PRESS PSF	X-SHEAR KIPS	Y-SHEAR KIPS	X-MOMENT	Y-MOMENT 1000-FT-KIPS	Z-MOMENT
GRND	0.00	-85.3	15.0	5331	1867	-16.0	8.0	-2066.5	386.6	-82.3	-435.4	-25.8
MECH	23.33	-93.3	17.3	7191	2073	-13.0	8.4	-1981.2	371.6	-73.5	-388.2	-26.1
3RD	46.66	-47.8	9.3	3635	971	-13.2	9.6	-1887.9	354.2	-65.0	-343.0	-25.6
4TH	58.33	-48.0	9.9	3635	971	-13.2	10.2	-1840.1	344.9	-60.9	-321.3	-25.3
5TH	70.00	-49.0	10.4	3635	971	-13.5	10.7	-1792.0	335.0	-57.0	-300.1	-24.9
6TH	81.67	-50.6	10.3	3635	971	-13.9	10.6	-1743.1	324.6	-53.1	-279.4	-24.5
7TH	93.34	-52.2	10.1	3635	971	-14.3	10.4	-1692.5	314.4	-49.4	-259.4	-23.9
8TH	105.01	-53.8	10.0	3635	971	-14.8	10.3	-1640.3	304.2	-45.8	-240.0	-23.4
9TH	116.68	-55.4	9.9	3635	971	-15.2	10.1	-1586.6	294.2	-42.3	-221.1	-22.8
10TH	128.35	-57.0	9.7	3635	971	-15.7	10.0	-1531.2	284.4	-38.9	-202.9	-22.1
11TH	140.02	-58.6	9.6	3635	971	-16.1	9.9	-1474.2	274.7	-35.6	-185.4	-21.3
12TH	151.69	-60.1	10.1	3635	971	-16.5	10.4	-1415.6	265.0	-32.5	-168.5	-20.5
13TH	163.36	-61.6	10.6	3635	971	-16.9	10.9	-1355.5	254.9	-29.5	-152.4	-19.7
14TH	175.03	-63.0	11.1	3635	971	-17.3	11.4	-1294.0	244.4	-26.6	-136.9	-18.8
15TH	186.70	-64.5	11.6	3635	971	-17.7	11.9	-1230.9	233.3	-23.8	-122.2	-17.9
16TH	198.37	-66.3	12.0	3635	971	-18.2	12.3	-1166.5	221.7	-21.1	-108.2	-17.0
17TH	210.04	-68.3	12.3	3635	971	-18.8	12.6	-1100.1	209.8	-18.6	-95.0	-16.1
18TH	221.71	-70.3	12.6	3635	971	-19.3	12.9	-1031.8	197.5	-16.2	-82.3	-15.1
19TH	233.38	-72.2	12.9	3635	971	-19.9	13.3	-961.6	184.9	-14.0	-70.9	-14.1
20TH	245.05	-74.2	13.2	3635	971	-20.4	13.6	-889.4	172.0	-11.9	-60.1	-13.0
21ST	256.72	-76.1	13.5	3635	971	-20.9	13.9	-815.2	158.8	-10.0	-50.1	-11.9
22ND	268.39	-77.9	14.4	3635	971	-21.5	14.8	-739.0	145.3	-8.2	-41.1	-10.8
23RD	280.06	-78.2	14.8	3635	971	-21.5	15.2	-662.1	131.0	-6.6	-32.9	-9.7
24TH	291.73	-79.3	15.2	3635	971	-21.8	15.6	-583.9	116.2	-5.1	-25.6	-8.7
25TH	303.40	-80.5	15.6	3635	971	-22.2	16.0	-504.6	101.1	-3.9	-19.3	-7.6
26TH	315.07	-81.7	16.0	3635	971	-22.5	16.4	-424.0	85.5	-2.8	-13.9	-6.5
27TH	326.74	-80.7	16.1	3635	971	-22.2	16.6	-342.3	69.5	-1.9	-9.4	-5.4
28TH	338.41	-76.3	15.7	3635	971	-21.0	16.2	-261.6	53.4	-1.2	-5.9	-4.3
29TH	350.08	-72.0	15.3	3635	971	-19.8	15.7	-185.3	37.7	-.6	-3.3	-3.2
30TH	361.75	-67.9	14.5	3635	971	-18.7	15.0	-113.4	22.4	-.3	-1.5	-2.1
PENT	373.42	-45.5	7.9	6769	1416	-6.7	5.6	-45.5	7.9	-.1	-.6	-1.0

TABLE 7. SHEAR AND MOMENT DIAGRAMS : ONE LOGAN SQUARE -- TOWER
WIND DIRECTION 60 CONFIGURATION A REFERENCE PRESSURE 37.0 PSF GUST FACTOR 1.32

FLOOR	HEIGHT FT	X-FORCE KIPS	Y-FORCE KIPS	X-AREA SQ FT	Y-AREA SQ FT	X-PRESS PSF	Y-PRESS PSF	X-SHEAR KIPS	Y-SHEAR KIPS	X-MOMENT	Y-MOMENT 1000-FT-KIPS	Z-MOMENT
GRND	0.00	-61.2	13.4	5331	1867	-11.5	7.2	-1637.8	293.5	-66.5	-367.3	-47.8
MECH	23.33	-64.5	13.4	7191	2073	-9.0	6.5	-1576.6	280.1	-59.8	-329.8	-47.8
3RD	46.66	-33.1	6.7	3635	971	-9.1	6.9	-1512.1	266.7	-53.4	-293.8	-47.3
4TH	58.33	-33.2	6.9	3635	971	-9.1	7.1	-1479.0	260.0	-50.4	-276.3	-46.8
5TH	70.00	-33.8	7.0	3635	971	-9.3	7.2	-1445.8	253.1	-47.4	-259.2	-46.2
6TH	81.67	-34.9	6.7	3635	971	-9.6	6.9	-1412.0	246.1	-44.5	-242.6	-45.5
7TH	93.34	-36.0	6.4	3635	971	-9.9	6.6	-1377.1	239.4	-41.6	-226.3	-44.8
8TH	105.01	-37.1	6.2	3635	971	-10.2	6.3	-1341.1	232.9	-38.9	-210.4	-43.9
9TH	116.68	-38.1	5.9	3635	971	-10.5	6.0	-1304.0	226.8	-36.2	-195.0	-42.9
10TH	128.35	-39.2	5.6	3635	971	-10.8	5.8	-1265.9	220.9	-33.6	-180.0	-41.8
11TH	140.02	-40.8	5.4	3635	971	-11.2	5.6	-1226.7	215.3	-31.0	-165.5	-40.5
12TH	151.69	-42.2	5.7	3635	971	-11.6	5.9	-1185.9	209.9	-28.6	-151.4	-39.2
13TH	163.36	-43.6	6.0	3635	971	-12.0	6.2	-1143.8	204.2	-26.1	-137.8	-37.7
14TH	175.03	-45.0	6.4	3635	971	-12.4	6.6	-1100.2	198.2	-23.8	-124.7	-36.2
15TH	186.70	-46.4	6.7	3635	971	-12.8	6.9	-1055.2	191.8	-21.5	-112.1	-34.5
16TH	198.37	-48.4	7.0	3635	971	-13.3	7.2	-1008.8	185.1	-19.3	-100.1	-32.8
17TH	210.04	-51.0	7.6	3635	971	-14.0	7.8	-960.4	178.1	-17.2	-88.6	-31.0
18TH	221.71	-53.6	8.1	3635	971	-14.8	8.3	-909.4	170.5	-15.2	-77.7	-29.1
19TH	233.38	-56.3	8.6	3635	971	-15.5	8.9	-855.7	162.4	-13.2	-67.4	-27.1
20TH	245.05	-58.9	9.1	3635	971	-16.2	9.4	-799.5	153.6	-11.4	-57.7	-25.1
21ST	256.72	-61.5	9.7	3635	971	-16.9	10.0	-740.6	144.7	-9.6	-48.7	-22.9
22ND	268.39	-62.8	11.4	3635	971	-17.3	11.8	-679.1	135.0	-8.0	-40.4	-20.7
23RD	280.06	-65.0	12.3	3635	971	-17.9	12.6	-616.3	123.6	-6.5	-32.9	-18.6
24TH	291.73	-67.2	13.1	3635	971	-18.5	13.5	-551.2	111.3	-5.1	-26.1	-16.5
25TH	303.40	-69.4	13.9	3635	971	-19.1	14.3	-484.1	98.2	-3.9	-20.0	-14.3
26TH	315.07	-71.5	14.7	3635	971	-19.7	15.2	-414.7	84.3	-2.8	-14.8	-12.1
27TH	326.74	-71.9	15.3	3635	971	-19.8	15.8	-343.2	69.6	-1.9	-10.4	-9.8
28TH	338.41	-69.7	15.3	3635	971	-19.2	15.8	-271.3	54.3	-1.2	-6.8	-7.5
29TH	350.08	-67.4	15.3	3635	971	-18.5	15.8	-201.6	39.0	-.7	-4.0	-5.3
30TH	361.75	-65.6	14.6	3635	971	-18.1	15.0	-134.1	23.7	-.3	-2.1	-3.1
PENT	373.42	-68.5	9.0	6769	1416	-10.1	6.4	-68.5	9.0	-.1	-.9	-.8

TABLE 7 SHEAR AND MOMENT DIAGRAMS : ONE LOGAN SQUARE -- TOWER
WIND DIRECTION 70 CONFIGURATION A REFERENCE PRESSURE 37.0 PSF GUST FACTOR 1.32

FLOOR	HEIGHT FT	X-FORCE KIPS	Y-FORCE KIPS	X-AREA SQ FT	Y-AREA SQ FT	X-PRESS PSF	Y-PRESS PSF	X-SHEAR KIPS	Y-SHEAR KIPS	X-MOMENT	Y-MOMENT 1000-FT-KIPS	Z-MOMENT
GRND	0.00	-47.8	14.8	5331	1867	-9.0	7.9	-1337.8	293.4	-65.0	-310.6	-51.8
MECH	23.33	-48.7	15.1	7191	2073	-6.8	7.3	-1290.0	278.7	-58.3	-280.0	-51.5
3RD	46.66	-25.2	7.6	3635	971	-6.9	7.8	-1241.3	263.6	-52.0	-250.4	-51.1
4TH	58.33	-25.5	7.8	3635	971	-7.0	8.0	-1216.1	256.0	-48.9	-236.1	-50.8
5TH	70.00	-25.9	7.9	3635	971	-7.1	8.1	-1190.6	248.2	-46.0	-222.0	-50.4
6TH	81.67	-26.7	7.5	3635	971	-7.3	7.7	-1164.7	240.3	-43.1	-208.3	-49.9
7TH	93.34	-27.4	7.1	3635	971	-7.5	7.3	-1138.0	232.8	-40.4	-194.9	-49.4
8TH	105.01	-28.1	6.6	3635	971	-7.7	6.8	-1110.6	225.7	-37.7	-181.7	-48.7
9TH	116.68	-28.9	6.2	3635	971	-7.9	6.4	-1082.4	219.1	-35.1	-169.0	-47.9
10TH	128.35	-29.6	5.8	3635	971	-8.1	5.9	-1053.6	212.9	-32.6	-156.5	-47.0
11TH	140.02	-30.7	5.3	3635	971	-8.5	5.5	-1023.9	207.2	-30.1	-144.4	-46.0
12TH	151.69	-31.6	5.5	3635	971	-8.7	5.7	-993.2	201.8	-27.8	-132.6	-44.8
13TH	163.36	-32.6	5.7	3635	971	-9.0	5.9	-961.6	196.3	-25.4	-121.2	-43.5
14TH	175.03	-33.5	5.9	3635	971	-9.2	6.1	-929.0	190.6	-23.2	-110.2	-42.0
15TH	186.70	-34.4	6.1	3635	971	-9.5	6.3	-895.6	184.7	-21.0	-99.5	-40.4
16TH	198.37	-36.1	6.4	3635	971	-9.9	6.6	-861.2	178.5	-18.9	-89.3	-38.7
17TH	210.04	-38.6	7.0	3635	971	-10.6	7.2	-825.1	172.1	-16.8	-79.4	-36.8
18TH	221.71	-41.2	7.6	3635	971	-11.3	7.8	-786.4	165.1	-14.9	-70.0	-34.8
19TH	233.38	-43.7	8.2	3635	971	-12.0	8.4	-745.3	157.5	-13.0	-61.1	-32.7
20TH	245.05	-46.2	8.8	3635	971	-12.7	9.1	-701.6	149.3	-11.2	-52.6	-30.4
21ST	256.72	-48.8	9.4	3635	971	-13.4	9.7	-655.3	140.5	-9.5	-44.7	-28.0
22ND	268.39	-51.3	10.6	3635	971	-14.1	10.9	-606.6	131.1	-7.9	-37.4	-25.5
23RD	280.06	-54.2	11.5	3635	971	-14.9	11.9	-555.3	120.5	-6.4	-30.6	-22.9
24TH	291.73	-57.2	12.5	3635	971	-15.7	12.8	-501.0	109.0	-5.1	-24.4	-20.2
25TH	303.40	-60.1	13.4	3635	971	-16.5	13.8	-443.9	96.5	-3.9	-18.9	-17.4
26TH	315.07	-63.1	14.3	3635	971	-17.3	14.7	-383.8	83.1	-2.8	-14.1	-14.6
27TH	326.74	-64.4	15.0	3635	971	-17.7	15.4	-320.7	68.8	-2.0	-10.0	-11.7
28TH	338.41	-63.1	14.9	3635	971	-17.4	15.3	-256.3	53.9	-1.2	-6.6	-8.7
29TH	350.08	-61.8	14.7	3635	971	-17.0	15.2	-193.3	39.0	-.7	-4.0	-6.0
30TH	361.75	-61.0	13.9	3635	971	-16.8	14.3	-131.5	24.3	-.3	-2.1	-3.4
PENT	373.42	-70.4	10.3	6769	1416	-10.4	7.3	-70.4	10.3	-.1	-.9	-.9

TABLE 7. SHEAR AND MOMENT DIAGRAMS : ONE LOGAN SQUARE -- TOWER
WIND DIRECTION 80 CONFIGURATION A REFERENCE PRESSURE 37.0 PSF GUST FACTOR 1.32

FLOOR	HEIGHT FT	X-FORCE KIPS	Y-FORCE KIPS	X-AREA SQ FT	Y-AREA SQ FT	X-PRESS PSF	Y-PRESS PSF	X-SHEAR KIPS	Y-SHEAR KIPS	X-MOMENT	Y-MOMENT 1000-FT-KIPS	Z-MOMENT
GRND	0.00	-33.9	12.6	5331	1867	-6.4	6.8	-770.2	226.7	-47.3	-176.2	-37.9
MECH	23.33	-30.3	13.3	7191	2073	-4.2	6.4	-736.3	214.1	-42.2	-158.6	-37.1
3RD	46.66	-16.9	7.1	3635	971	-4.4	7.3	-706.0	200.9	-37.4	-141.8	-36.9
4TH	58.33	-16.3	7.5	3635	971	-4.5	7.7	-690.0	193.8	-35.0	-133.7	-36.7
5TH	70.00	-16.5	7.6	3635	971	-4.5	7.8	-673.7	186.3	-32.8	-125.7	-36.6
6TH	81.67	-16.7	7.1	3635	971	-4.6	7.3	-657.2	178.7	-30.7	-117.9	-36.4
7TH	93.34	-17.0	6.6	3635	971	-4.7	6.8	-640.4	171.6	-28.7	-110.4	-36.2
8TH	105.01	-17.2	6.1	3635	971	-4.7	6.3	-623.4	165.0	-26.7	-103.0	-35.9
9TH	116.68	-17.4	5.6	3635	971	-4.8	5.8	-606.3	158.9	-24.8	-95.8	-35.6
10TH	128.35	-17.6	5.1	3635	971	-4.8	5.2	-588.9	153.3	-23.0	-88.8	-35.2
11TH	140.02	-17.7	4.7	3635	971	-4.9	4.8	-571.3	148.2	-21.2	-82.1	-34.8
12TH	151.69	-17.9	4.7	3635	971	-4.9	4.8	-553.5	143.5	-19.5	-75.5	-34.4
13TH	163.36	-18.0	4.6	3635	971	-5.0	4.7	-535.7	138.8	-17.9	-69.2	-33.9
14TH	175.03	-18.2	4.6	3635	971	-5.0	4.7	-517.6	134.2	-16.3	-63.0	-33.4
15TH	186.70	-18.3	4.5	3635	971	-5.0	4.6	-499.5	129.7	-14.7	-57.1	-32.9
16TH	198.37	-19.0	4.6	3635	971	-5.2	4.7	-481.2	125.2	-13.3	-51.4	-31.9
17TH	210.04	-20.3	4.9	3635	971	-5.6	5.1	-462.2	120.6	-11.8	-45.8	-30.8
18TH	221.71	-21.6	5.3	3635	971	-6.0	5.4	-441.8	115.7	-10.4	-40.5	-29.6
19TH	233.38	-23.0	5.6	3635	971	-6.3	5.8	-420.2	110.4	-9.1	-35.5	-28.1
20TH	245.05	-24.3	6.0	3635	971	-6.7	6.2	-397.2	104.8	-7.9	-30.8	-27.1
21ST	256.72	-25.6	6.3	3635	971	-7.0	6.5	-372.9	98.8	-6.7	-26.3	-25.5
22ND	268.39	-27.0	7.7	3635	971	-7.4	7.9	-347.4	92.5	-5.6	-22.1	-23.8
23RD	280.06	-29.0	8.3	3635	971	-8.0	8.5	-320.4	84.5	-4.5	-18.2	-21.9
24TH	291.73	-31.0	8.8	3635	971	-8.5	9.1	-291.4	76.5	-3.6	-14.6	-20.0
25TH	303.40	-33.0	9.4	3635	971	-9.1	9.7	-260.5	67.3	-2.7	-11.4	-17.9
26TH	315.07	-35.0	10.0	3635	971	-9.6	10.3	-227.5	58.3	-2.0	-8.5	-15.7
27TH	326.74	-36.5	10.4	3635	971	-10.0	10.7	-192.5	48.2	-1.4	-6.1	-13.4
28TH	338.41	-37.6	10.3	3635	971	-10.2	10.6	-156.0	37.8	-.9	-4.1	-11.0
29TH	350.08	-37.5	10.1	3635	971	-10.3	10.4	-119.0	27.6	-.5	-2.5	-8.5
30TH	361.75	-37.9	10.1	3635	971	-10.4	10.4	-81.5	17.5	-.2	-1.3	-6.0
PENT	373.42	-43.6	7.4	6769	1416	-6.4	5.2	-43.6	7.4	-.1	-.6	-3.3

TABLE 7. SHEAR AND MOMENT DIAGRAMS ONE LOGAN SQUARE -- TOWER
WIND DIRECTION 90 CONFIGURATION A REFERENCE PRESSURE 37.0 PSF GUST FACTOR 1.32

FLOOR	HEIGHT FT	X-FORCE KIPS	Y-FORCE KIPS	X-AREA SQ FT	Y-AREA SQ FT	X-PRESS PSF	Y-PRESS PSF	X-SHEAR KIPS	Y-SHEAR KIPS	X-MOMENT	Y-MOMENT 1000-FT-KIPS	Z-MOMENT
GRND	0.00	-25.4	9.7	5331	1867	-4.8	5.2	-336.4	182.4	-40.1	-69.4	-31.1
MECH	23.33	-18.5	9.0	7191	2073	-2.6	4.3	-310.9	172.7	-35.9	-61.8	-31.4
3RD	46.66	-9.9	5.1	3635	971	-2.7	5.3	-292.5	163.8	-32.0	-54.8	-31.1
4TH	58.33	-10.4	5.7	3635	971	-2.8	5.9	-282.6	158.6	-30.1	-51.5	-30.9
5TH	70.00	-10.6	5.9	3635	971	-2.9	6.1	-272.3	152.9	-28.3	-48.2	-30.7
6TH	81.67	-10.5	5.5	3635	971	-2.9	5.6	-261.7	147.0	-26.6	-45.1	-30.6
7TH	93.34	-10.3	5.0	3635	971	-2.8	5.1	-251.2	141.5	-24.9	-42.1	-30.4
8TH	105.01	-10.2	4.5	3635	971	-2.8	4.6	-240.9	136.6	-23.2	-39.2	-30.3
9TH	116.68	-10.0	4.0	3635	971	-2.8	4.1	-230.7	132.1	-21.7	-36.5	-30.2
10TH	128.35	-9.9	3.5	3635	971	-2.7	3.6	-220.7	128.0	-20.2	-33.8	-30.1
11TH	140.02	-9.0	3.1	3635	971	-2.5	3.1	-210.8	124.5	-18.7	-31.3	-30.0
12TH	151.69	-8.0	3.1	3635	971	-2.2	3.1	-201.8	121.5	-17.3	-28.9	-29.8
13TH	163.36	-6.9	3.0	3635	971	-1.9	3.1	-193.8	118.4	-15.9	-26.6	-29.5
14TH	175.03	-5.9	3.0	3635	971	-1.6	3.1	-186.9	115.3	-14.5	-24.4	-29.1
15TH	186.70	-4.9	3.0	3635	971	-1.3	3.1	-181.0	112.3	-13.2	-22.2	-28.7
16TH	198.37	-4.6	3.2	3635	971	-1.3	3.2	-176.2	109.3	-11.9	-20.2	-28.1
17TH	210.04	-5.4	3.7	3635	971	-1.5	3.8	-171.5	106.1	-10.6	-18.1	-27.5
18TH	221.71	-6.2	4.2	3635	971	-1.7	4.3	-166.1	102.5	-9.4	-16.2	-26.7
19TH	233.38	-7.1	4.7	3635	971	-1.9	4.8	-159.9	98.3	-8.2	-14.3	-25.7
20TH	245.05	-7.9	5.2	3635	971	-2.2	5.3	-152.8	93.7	-7.1	-12.4	-24.5
21ST	256.72	-8.7	5.7	3635	971	-2.4	5.8	-145.0	88.5	-6.0	-10.7	-23.1
22ND	268.39	-9.4	6.3	3635	971	-2.6	6.5	-136.3	82.8	-5.0	-9.1	-21.5
23RD	280.06	-10.2	7.1	3635	971	-2.8	7.4	-126.9	76.5	-4.1	-7.5	-19.8
24TH	291.73	-11.0	7.9	3635	971	-3.0	8.2	-116.7	69.4	-3.3	-6.1	-17.9
25TH	303.40	-11.8	8.7	3635	971	-3.2	9.0	-105.7	61.4	-2.5	-4.8	-15.9
26TH	315.07	-12.5	9.5	3635	971	-3.4	9.8	-93.9	52.7	-1.8	-3.6	-13.8
27TH	326.74	-13.8	9.7	3635	971	-3.8	10.0	-81.4	43.1	-1.3	-2.6	-11.5
28TH	338.41	-15.3	8.9	3635	971	-4.2	9.2	-67.5	33.4	-.8	-1.7	-9.1
29TH	350.08	-16.8	8.0	3635	971	-4.6	8.3	-52.2	24.5	-.5	-1.1	-6.6
30TH	361.75	-17.6	8.2	3635	971	-4.8	8.5	-35.4	16.5	-.2	-.5	-4.1
PENT	373.42	-17.9	8.2	6769	1416	-2.6	5.8	-17.9	8.2	-.1	-.2	-1.6

TABLE 7. SHEAR AND MOMENT DIAGRAMS : ONE LOGAN SQUARE -- TOWER
WIND DIRECTION 100 CONFIGURATION A REFERENCE PRESSURE 37.0 PSF GUST FACTOR 1.32

FLOOR	HEIGHT FT	X-FORCE KIPS	Y-FORCE KIPS	X-AREA SQ FT	Y-AREA SQ FT	X-PRESS PSF	Y-PRESS PSF	X-SHEAR KIPS	Y-SHEAR KIPS	X-MOMENT	Y-MOMENT 1000-FT-KIPS	Z-MOMENT
GRND	0.00	-11.6	5.0	5331	1867	-2.2	2.7	-43.4	131.4	-30.7	.0	-13.8
MECH	23.33	-4.6	3.4	7191	2073	-.6	1.7	-31.8	126.5	-27.6	.9	-14.2
3RD	46.66	-3.4	2.7	3635	971	-.9	2.7	-27.3	123.0	-24.7	1.6	-13.8
4TH	58.33	-4.4	3.3	3635	971	-1.2	3.4	-23.9	120.4	-23.3	1.9	-13.7
5TH	70.00	-4.9	3.7	3635	971	-1.3	3.8	-19.5	117.1	-21.9	2.1	-13.5
6TH	81.67	-4.7	3.5	3635	971	-1.3	3.6	-14.6	113.4	-20.6	2.3	-13.3
7TH	93.34	-4.6	3.4	3635	971	-1.3	3.4	-9.8	109.8	-19.3	2.5	-13.2
8TH	105.01	-4.4	3.2	3635	971	-1.2	3.3	-5.2	106.5	-18.0	2.6	-13.1
9TH	116.68	-4.3	3.0	3635	971	-1.2	3.1	-.8	103.3	-16.8	2.6	-13.0
10TH	128.35	-4.1	2.8	3635	971	-1.1	2.9	3.4	100.3	-15.6	2.6	-12.9
11TH	140.02	-3.4	2.4	3635	971	-.9	2.5	7.5	97.5	-14.5	2.5	-12.9
12TH	151.69	-2.4	2.5	3635	971	-.7	2.6	10.9	95.1	-13.3	2.4	-12.8
13TH	163.36	-1.4	2.7	3635	971	-.4	2.7	13.3	92.6	-12.2	2.3	-12.7
14TH	175.03	-.4	2.8	3635	971	-.1	2.9	14.7	90.0	-11.1	2.1	-12.6
15TH	186.70	.6	2.9	3635	971	.2	3.0	15.1	87.2	-10.1	1.9	-12.5
16TH	198.37	1.1	3.0	3635	971	.3	3.1	14.5	84.2	-9.1	1.8	-12.4
17TH	210.04	1.1	3.3	3635	971	.3	3.4	13.4	81.2	-8.2	1.6	-12.3
18TH	221.71	1.0	3.5	3635	971	.3	3.6	12.4	77.9	-7.2	1.5	-12.1
19TH	233.38	.9	3.7	3635	971	.3	3.8	11.4	74.4	-6.4	1.3	-11.8
20TH	245.05	.9	3.9	3635	971	.2	4.0	10.4	70.8	-5.5	1.2	-11.4
21ST	256.72	.8	4.1	3635	971	.2	4.2	9.6	66.9	-4.7	1.1	-10.9
22ND	268.39	.5	4.4	3635	971	.1	4.5	8.8	62.8	-3.9	1.0	-10.4
23RD	280.06	.3	5.1	3635	971	.1	5.3	8.3	58.4	-3.2	.9	-9.9
24TH	291.73	.0	5.8	3635	971	.0	6.1	8.1	53.3	-2.6	.8	-8.9
25TH	303.40	-.2	6.5	3635	971	-.1	6.7	8.1	47.4	-2.0	.7	-7.9
26TH	315.07	-.4	7.2	3635	971	-.1	7.4	8.2	40.9	-1.5	.6	-6.9
27TH	326.74	-.5	7.3	3635	971	-.1	7.6	8.2	33.7	-1.1	.5	-5.7
28TH	338.41	.0	6.5	3635	971	.0	6.7	9.2	26.3	-.7	.4	-4.5
29TH	350.08	.6	5.7	3635	971	.2	5.9	9.1	19.8	-.4	.3	-3.2
30TH	361.75	1.9	6.0	3635	971	.5	6.2	8.5	14.1	-.2	.2	-1.9
PENT	373.42	6.6	8.1	6769	1416	1.0	5.7	6.6	8.1	-.1	.1	-.7

TABLE 7. SHEAR AND MOMENT DIAGRAMS : ONE LOGAN SQUARE -- TOWER
WIND DIRECTION 110 CONFIGURATION A REFERENCE PRESSURE 37.0 PSF GUST FACTOR 1.32

FLOOR	HEIGHT FT	X-FORCE KIPS	Y-FORCE KIPS	X-AREA SQ FT	Y-AREA SQ FT	X-PRESS PSF	Y-PRESS PSF	X-SHEAR KIPS	Y-SHEAR KIPS	X-MOMENT	Y-MOMENT	Z-MOMENT
										1000-FT-KIPS		
GRND	0.00	-7.1	3.4	5331	1867	-1.3	1.8	265.1	38.1	-9.3	83.2	.5
MECH	23.33	-.3	.1	7191	2073	-.0	.0	272.2	34.7	-8.5	76.9	-.2
3RD	46.66	-.4	.6	3635	971	-.1	.6	272.5	34.7	-7.7	70.6	-.1
4TH	58.33	-1.1	.9	3635	971	-.3	.9	272.9	34.1	-7.3	67.4	-.1
5TH	70.00	-1.3	1.1	3635	971	-.4	1.1	274.0	33.2	-6.9	64.2	-.1
6TH	81.67	-1.0	1.0	3635	971	-.3	1.1	275.3	32.1	-6.5	61.0	-.1
7TH	93.34	-.7	1.0	3635	971	-.2	1.0	276.3	31.1	-6.1	57.8	-.1
8TH	105.01	-.4	.9	3635	971	-.1	.9	277.0	30.1	-5.8	54.6	-.1
9TH	116.68	-.1	.9	3635	971	-.0	.9	277.4	29.2	-5.4	51.3	-.1
10TH	128.35	.2	.8	3635	971	.1	.8	277.5	28.4	-5.1	48.1	-.1
11TH	140.02	1.2	.2	3635	971	.3	.2	277.2	27.6	-4.8	44.8	-.1
12TH	151.69	2.6	.2	3635	971	.7	.2	276.1	27.4	-4.4	41.6	-.0
13TH	163.36	4.0	.2	3635	971	1.1	.2	273.5	27.1	-4.1	38.4	-.0
14TH	175.03	5.4	.2	3635	971	1.5	.2	269.4	26.9	-3.8	35.2	-.0
15TH	186.70	6.9	.2	3635	971	1.9	.2	264.0	26.7	-3.5	32.1	-.1
16TH	198.37	8.2	.3	3635	971	2.3	.3	257.2	26.4	-3.2	29.1	-.2
17TH	210.04	9.4	.4	3635	971	2.6	.4	248.9	26.2	-2.9	26.1	-.3
18TH	221.71	10.6	.6	3635	971	2.9	.6	239.5	25.8	-2.6	23.3	-.5
19TH	233.38	11.7	.7	3635	971	3.2	.7	229.0	25.2	-2.3	20.6	-.6
20TH	245.05	12.9	.9	3635	971	3.6	.9	217.2	24.5	-2.0	17.9	-.7
21ST	256.72	14.1	1.0	3635	971	3.9	1.1	204.3	23.6	-1.7	15.5	-.8
22ND	268.39	14.4	1.0	3635	971	4.0	1.0	190.3	22.6	-1.4	13.2	-.9
23RD	280.06	14.9	1.5	3635	971	4.1	1.5	175.9	21.6	-1.2	11.1	-.9
24TH	291.73	15.4	2.0	3635	971	4.2	2.0	161.0	20.1	-.9	9.1	-.9
25TH	303.40	15.9	2.5	3635	971	4.4	2.5	145.6	18.1	-.7	7.3	-.9
26TH	315.07	16.5	3.0	3635	971	4.5	3.1	129.6	15.7	-.5	5.7	-.8
27TH	326.74	16.7	3.1	3635	971	4.6	3.2	113.2	12.7	-.4	4.3	-.7
28TH	338.41	16.9	2.7	3635	971	4.6	2.8	96.4	9.6	-.2	3.1	-.5
29TH	350.08	17.0	2.3	3635	971	4.7	2.3	79.5	6.9	-.1	2.0	-.3
30TH	361.75	17.8	2.6	3635	971	4.9	2.7	62.5	4.6	-.1	1.2	-.3
PENT	373.42	44.7	2.0	6769	1416	6.6	1.4	44.7	2.0	-.0	.6	-.3

TABLE 7. SHEAR AND MOMENT DIAGRAMS : ONE LOGAN SQUARE -- TOWER
WIND DIRECTION 120 CONFIGURATION A REFERENCE PRESSURE 37.0 PSF GUST FACTOR 1.32

FLOOR	HEIGHT FT	X-FORCE KIPS	Y-FORCE KIPS	X-AREA SQ FT	Y-AREA SQ FT	X-PRESS PSF	Y-PRESS PSF	X-SHEAR KIPS	Y-SHEAR KIPS	X-MOMENT	Y-MOMENT 1000-FT-KIPS	Z-MOMENT
GRND	0.00	-.6	4.7	5331	1867	-.1	2.5	440.5	-1.0	2.4	125.5	10.6
MECH	23.33	8.5	.8	7191	2073	1.2	.4	441.2	-5.7	2.3	115.3	9.9
3RD	46.66	3.9	1.0	3635	971	1.1	1.0	432.7	-6.6	2.2	105.1	10.0
4TH	58.33	3.2	1.3	3635	971	.9	1.3	428.8	-7.6	2.1	100.0	9.9
5TH	70.00	2.8	1.4	3635	971	.8	1.4	425.6	-8.8	2.0	95.1	9.8
6TH	81.67	2.9	1.1	3635	971	.8	1.1	422.8	-10.2	1.9	90.1	9.7
7TH	93.34	2.9	.8	3635	971	.8	.8	419.9	-11.3	1.8	85.2	9.6
8TH	105.01	2.9	.5	3635	971	.8	.5	417.0	-12.0	1.6	80.3	9.4
9TH	116.68	3.0	.2	3635	971	.8	.2	414.1	-12.5	1.5	75.5	9.3
10TH	128.35	3.0	-.1	3635	971	.8	-.1	411.1	-12.7	1.3	70.6	9.2
11TH	140.02	4.2	-.7	3635	971	1.1	-.7	408.1	-12.6	1.2	65.9	9.0
12TH	151.69	5.7	-.8	3635	971	1.6	-.8	404.0	-12.0	1.0	61.1	8.9
13TH	163.36	7.2	-1.0	3635	971	2.0	-1.0	398.3	-11.2	.9	56.4	8.8
14TH	175.03	8.7	-1.1	3635	971	2.4	-1.1	391.0	-10.2	.8	51.8	8.6
15TH	186.70	10.3	-1.3	3635	971	2.8	-1.3	382.3	-9.1	.7	47.3	8.3
16TH	198.37	11.8	-1.4	3635	971	3.2	-1.4	372.0	-7.8	.6	42.9	8.1
17TH	210.04	13.1	-1.2	3635	971	3.6	-1.3	360.2	-6.5	.5	38.6	7.7
18TH	221.71	14.5	-1.1	3635	971	4.0	-1.1	347.1	-5.2	.4	34.5	7.4
19TH	233.38	15.9	-1.0	3635	971	4.4	-1.0	332.6	-4.1	.4	30.6	7.0
20TH	245.05	17.2	-.8	3635	971	4.7	-.9	316.7	-3.2	.3	26.8	6.5
21ST	256.72	18.6	-.7	3635	971	5.1	-.7	299.5	-2.3	.3	23.2	6.0
22ND	268.39	19.7	-.4	3635	971	5.4	-.4	280.9	-1.6	.3	19.8	5.5
23RD	280.06	20.8	-.1	3635	971	5.7	-.1	261.1	-1.2	.3	16.6	4.9
24TH	291.73	21.8	.1	3635	971	6.0	.1	240.3	-1.1	.2	13.7	4.4
25TH	303.40	22.9	.4	3635	971	6.3	.4	218.4	-1.2	.2	11.0	3.8
26TH	315.07	24.0	.6	3635	971	6.6	.7	195.5	-1.6	.2	8.6	3.2
27TH	326.74	24.9	.7	3635	971	6.9	.7	171.5	-2.2	.2	6.5	2.6
28TH	338.41	25.7	.4	3635	971	7.1	.4	146.6	-2.9	.2	4.6	2.0
29TH	350.08	26.5	.1	3635	971	7.3	.1	120.8	-3.3	.1	3.0	1.5
30TH	361.75	27.6	.1	3635	971	7.6	.1	94.3	-3.4	.1	1.8	1.1
PENT	373.42	66.7	-3.4	6769	1416	9.9	-2.4	66.7	-3.4	.0	.9	.7

TABLE 7. SHEAR AND MOMENT DIAGRAMS : ONE LOGAN SQUARE -- TOWER
WIND DIRECTION 130 CONFIGURATION A REFERENCE PRESSURE 37.0 PSF GUST FACTOR 1.32

FLOOR	HEIGHT FT	X-FORCE KIPS	Y-FORCE KIPS	X-AREA SQ FT	Y-AREA SQ FT	X-PRESS PSF	Y-PRESS PSF	X-SHEAR KIPS	Y-SHEAR KIPS	X-MOMENT	Y-MOMENT	Z-MOMENT
										1000-FT-KIPS		
GRND	0.00	5.8	5.4	5331	1867	1.1	2.9	614.7	-42.8	15.0	138.0	18.1
MECH	23.33	17.7	1.2	7191	2073	2.5	.6	608.9	-48.1	13.9	143.8	17.2
3RD	46.66	8.9	1.4	3635	971	2.5	1.4	591.2	-49.3	12.8	129.8	17.1
4TH	58.33	8.3	1.8	3635	971	2.3	1.9	582.3	-50.7	12.2	122.9	16.8
5TH	70.00	8.2	1.9	3635	971	2.3	2.0	574.0	-52.5	11.6	116.2	16.6
6TH	81.67	8.7	1.3	3635	971	2.4	1.4	565.8	-54.4	11.0	109.5	16.3
7TH	93.34	9.3	.7	3635	971	2.5	.8	557.0	-55.8	10.3	103.0	16.0
8TH	105.01	9.8	.1	3635	971	2.7	.1	547.8	-56.5	9.7	96.5	15.6
9TH	116.68	10.3	-.5	3635	971	2.8	-.5	538.0	-56.6	9.0	90.2	15.2
10TH	128.35	10.8	-1.1	3635	971	3.0	-1.1	527.7	-56.2	8.3	84.0	14.8
11TH	140.02	11.8	-1.8	3635	971	3.2	-1.8	516.9	-55.1	7.7	77.9	14.4
12TH	151.69	13.1	-1.9	3635	971	3.6	-2.0	505.1	-53.3	7.1	71.9	14.0
13TH	163.36	14.4	-2.1	3635	971	4.0	-2.1	492.0	-51.4	6.5	66.1	13.6
14TH	175.03	15.7	-2.2	3635	971	4.3	-2.3	477.6	-49.3	5.9	60.4	13.1
15TH	186.70	17.0	-2.4	3635	971	4.7	-2.4	461.9	-47.1	5.3	54.9	12.6
16TH	198.37	18.0	-2.5	3635	971	5.0	-2.5	444.9	-44.8	4.8	49.7	12.0
17TH	210.04	18.8	-2.4	3635	971	5.2	-2.5	426.9	-42.3	4.2	44.7	11.5
18TH	221.71	19.5	-2.4	3635	971	5.4	-2.5	408.1	-39.8	3.8	39.7	10.9
19TH	233.38	20.3	-2.4	3635	971	5.6	-2.5	388.6	-37.4	3.3	35.0	10.3
20TH	245.05	21.1	-2.4	3635	971	5.8	-2.5	368.3	-35.0	2.9	30.6	9.6
21ST	256.72	21.8	-2.4	3635	971	6.0	-2.4	347.2	-32.6	2.5	26.5	8.9
22ND	268.39	23.3	-2.2	3635	971	6.4	-2.2	325.4	-30.3	2.1	22.5	8.2
23RD	280.06	24.6	-2.2	3635	971	6.8	-2.3	302.1	-28.1	1.8	18.9	7.5
24TH	291.73	25.9	-2.3	3635	971	7.1	-2.3	277.5	-25.9	1.5	15.5	6.7
25TH	303.40	27.2	-2.3	3635	971	7.5	-2.4	251.6	-23.6	1.2	12.4	5.9
26TH	315.07	28.5	-2.4	3635	971	7.8	-2.4	224.4	-21.3	.9	9.6	5.0
27TH	326.74	29.7	-2.5	3635	971	8.2	-2.6	195.9	-18.9	.7	7.2	4.1
28TH	338.41	30.9	-2.9	3635	971	8.5	-3.0	166.2	-16.4	.5	5.1	3.2
29TH	350.08	32.1	-3.4	3635	971	8.8	-3.5	135.2	-13.5	.3	3.3	2.3
30TH	361.75	33.1	-4.0	3635	971	9.1	-4.1	103.2	-10.1	.2	1.9	1.4
PENT	373.42	70.0	-6.1	6769	1416	10.3	-4.3	70.0	-6.1	.1	.9	.5

TABLE 7. SHEAR AND MOMENT DIAGRAMS : ONE LOGAN SQUARE -- TOWER
WIND DIRECTION 140 CONFIGURATION A REFERENCE PRESSURE 37.0 PSF GUST FACTOR 1.32

FLOOR	HEIGHT FT	X-FORCE KIPS	Y-FORCE KIPS	X-AREA SQ FT	Y-AREA SQ FT	X-PRESS PSF	Y-PRESS PSF	X-SHEAR KIPS	Y-SHEAR KIPS	X-MOMENT	Y-MOMENT 1000-FT-KIPS	Z-MOMENT
GRND	0.00	19.6	4.3	5331	1867	3.7	2.3	960.8	-101.5	28.8	247.0	29.6
MECH	23.33	31.6	-.9	7191	2073	4.4	-.4	941.2	-105.8	26.4	224.8	28.7
3RD	46.66	14.9	.6	3635	971	4.1	.6	909.6	-104.8	23.9	203.2	28.6
4TH	58.33	13.7	1.0	3635	971	3.8	1.0	894.8	-105.4	22.7	192.7	28.3
5TH	70.00	13.0	1.1	3635	971	3.6	1.1	881.1	-106.4	21.5	182.3	27.9
6TH	81.67	13.1	.4	3635	971	3.6	.5	868.1	-107.5	20.2	172.1	27.5
7TH	93.34	13.2	-.2	3635	971	3.6	-.2	855.0	-108.0	19.0	162.1	27.0
8TH	105.01	13.3	-.9	3635	971	3.6	-.9	841.8	-107.7	17.7	152.2	26.4
9TH	116.68	13.3	-1.5	3635	971	3.7	-1.6	828.6	-106.9	16.5	142.4	25.8
10TH	128.35	13.4	-2.2	3635	971	3.7	-2.2	815.2	-105.4	15.2	132.8	25.2
11TH	140.02	15.2	-3.0	3635	971	4.2	-3.1	801.8	-103.2	14.0	123.4	24.5
12TH	151.69	17.4	-3.4	3635	971	4.8	-3.5	786.6	-100.1	12.8	114.1	23.7
13TH	163.36	19.6	-3.8	3635	971	5.4	-3.9	769.2	-96.7	11.7	105.0	22.9
14TH	175.03	21.7	-4.2	3635	971	6.0	-4.3	749.6	-92.9	10.6	96.2	22.1
15TH	186.70	23.9	-4.5	3635	971	6.6	-4.7	727.9	-88.8	9.5	87.6	21.1
16TH	198.37	25.9	-4.8	3635	971	7.1	-5.0	704.0	-84.3	8.5	79.2	20.1
17TH	210.04	27.6	-4.9	3635	971	7.6	-5.0	678.1	-79.4	7.5	71.1	19.0
18TH	221.71	29.4	-4.9	3635	971	8.1	-5.0	650.4	-74.6	6.6	63.4	17.9
19TH	233.38	31.1	-4.9	3635	971	8.6	-5.1	621.1	-69.7	5.8	56.0	16.8
20TH	245.05	32.8	-4.9	3635	971	9.0	-5.1	590.0	-64.8	5.0	48.9	15.7
21ST	256.72	34.6	-5.0	3635	971	9.5	-5.1	557.1	-59.8	4.3	42.2	14.6
22ND	268.39	37.2	-4.6	3635	971	10.2	-4.7	522.6	-54.9	3.6	35.9	13.5
23RD	280.06	39.5	-4.6	3635	971	10.9	-4.8	485.4	-50.3	3.0	30.0	12.3
24TH	291.73	41.9	-4.7	3635	971	11.5	-4.9	445.9	-45.7	2.4	24.6	11.0
25TH	303.40	44.2	-4.8	3635	971	12.2	-4.9	404.0	-40.9	1.9	19.6	9.8
26TH	315.07	46.6	-4.9	3635	971	12.8	-5.0	359.8	-36.1	1.5	15.2	8.4
27TH	326.74	48.8	-4.9	3635	971	13.4	-5.1	313.2	-31.2	1.1	11.2	7.1
28TH	338.41	50.9	-5.2	3635	971	14.0	-5.3	264.4	-26.3	.8	7.9	5.6
29TH	350.08	53.0	-5.4	3635	971	14.6	-5.6	213.6	-21.1	.5	5.1	4.2
30TH	361.75	54.9	-6.0	3635	971	15.1	-6.2	160.6	-15.7	.3	2.9	2.6
PENT	373.42	105.7	-9.7	6769	1416	15.6	-6.9	105.7	-9.7	.1	1.3	1.0

TABLE 7. SHEAR AND MOMENT DIAGRAMS : ONE LOGAN SQUARE -- TOWER
WIND DIRECTION 150 CONFIGURATION A REFERENCE PRESSURE 37.0 PSF GUST FACTOR 1.32

FLOOR	HEIGHT FT	X-FORCE KIPS	Y-FORCE KIPS	X-AREA SQ FT	Y-AREA SQ FT	X-PRESS PSF	Y-PRESS PSF	X-SHEAR KIPS	Y-SHEAR KIPS	X-MOMENT	Y-MOMENT 1000-FT-KIPS	Z-MOMENT
GRND	0.00	35.7	4.2	5331	1867	6.7	2.2	1300.6	-140.4	40.3	330.6	38.8
MECH	23.33	48.7	.9	7191	2073	6.8	.4	1265.0	-144.6	36.9	300.7	38.0
3RD	46.66	21.8	1.7	3635	971	6.0	1.7	1216.3	-145.4	33.5	271.7	38.3
4TH	58.33	19.2	2.2	3635	971	5.3	2.3	1194.5	-147.1	31.8	257.7	38.1
5TH	70.00	17.8	2.2	3635	971	4.9	2.3	1175.3	-149.3	30.1	243.8	37.7
6TH	81.67	17.5	1.2	3635	971	4.8	1.2	1157.5	-151.6	28.4	230.2	37.2
7TH	93.34	17.2	.1	3635	971	4.7	.1	1140.1	-152.7	26.6	216.8	36.5
8TH	105.01	16.9	-.9	3635	971	4.6	-1.0	1122.9	-152.9	24.8	203.6	35.8
9TH	116.68	16.6	-2.0	3635	971	4.6	-2.1	1106.1	-151.9	23.0	190.6	34.9
10TH	128.35	16.3	-3.1	3635	971	4.5	-3.2	1089.5	-149.9	21.3	177.8	33.8
11TH	140.02	18.7	-4.2	3635	971	5.2	-4.3	1073.3	-146.8	19.5	165.2	32.7
12TH	151.69	21.7	-4.8	3635	971	6.0	-5.0	1054.5	-142.6	17.8	152.8	31.5
13TH	163.36	24.6	-5.4	3635	971	6.8	-5.6	1032.9	-137.8	16.2	140.6	30.2
14TH	175.03	27.5	-6.0	3635	971	7.6	-6.2	1008.3	-132.4	14.6	128.7	28.9
15TH	186.70	30.5	-6.6	3635	971	8.4	-6.8	980.8	-126.4	13.1	117.1	27.5
16TH	198.37	33.4	-7.0	3635	971	9.2	-7.2	950.3	-119.8	11.7	105.8	26.1
17TH	210.04	36.1	-7.1	3635	971	9.9	-7.3	916.9	-112.8	10.3	94.9	24.6
18TH	221.71	38.9	-7.1	3635	971	10.7	-7.3	880.8	-105.8	9.0	84.4	23.0
19TH	233.38	41.6	-7.1	3635	971	11.5	-7.3	841.9	-98.7	7.9	74.4	21.5
20TH	245.05	44.4	-7.1	3635	971	12.2	-7.3	800.2	-91.6	6.7	64.8	20.0
21ST	256.72	47.2	-7.1	3635	971	13.0	-7.4	755.8	-84.5	5.7	55.7	18.4
22ND	268.39	51.4	-7.0	3635	971	14.1	-7.2	708.7	-77.3	4.8	47.2	16.8
23RD	280.06	55.6	-7.2	3635	971	15.3	-7.4	657.3	-70.3	3.9	39.2	15.1
24TH	291.73	59.7	-7.3	3635	971	16.4	-7.5	601.7	-63.1	3.1	31.8	13.4
25TH	303.40	63.9	-7.5	3635	971	17.6	-7.7	542.0	-55.8	2.4	25.2	11.6
26TH	315.07	68.0	-7.6	3635	971	18.7	-7.8	478.1	-48.3	1.8	19.2	9.7
27TH	326.74	70.7	-7.7	3635	971	19.5	-7.9	410.1	-40.7	1.3	14.0	7.8
28TH	338.41	71.6	-7.7	3635	971	19.7	-7.9	339.4	-33.1	.9	9.7	5.8
29TH	350.08	72.4	-7.7	3635	971	19.9	-7.9	267.8	-25.4	.5	6.1	3.8
30TH	361.75	73.1	-8.0	3635	971	20.1	-8.2	195.4	-17.7	.3	3.4	1.8
PENT	373.42	122.3	-9.7	6769	1416	18.1	-6.9	122.3	-9.7	.1	1.6	-.2

TABLE 7. SHEAR AND MOMENT DIAGRAMS : ONE LOGAN SQUARE -- TOWER
WIND DIRECTION 160 CONFIGURATION A REFERENCE PRESSURE 37.0 PSF GUST FACTOR 1.32

FLOOR	HEIGHT FT	X-FORCE KIPS	Y-FORCE KIPS	X-AREA SQ FT	Y-AREA SQ FT	X-PRESS PSF	Y-PRESS PSF	X-SHEAR KIPS	Y-SHEAR KIPS	X-MOMENT 1000-FT-KIPS	Y-MOMENT 1000-FT-KIPS	Z-MOMENT 1000-FT-KIPS
GRND	0.00	57.3	3.2	5331	1867	10.8	1.7	1550.0	-142.4	37.9	381.1	35.5
MECH	23.33	68.3	-.7	7191	2073	9.5	-.4	1492.7	-145.6	34.5	345.6	34.3
3RD	46.66	30.2	1.5	3635	971	8.3	1.5	1424.4	-144.9	31.1	311.6	34.6
4TH	58.33	27.2	1.9	3635	971	7.5	1.9	1394.2	-146.4	29.4	295.1	34.4
5TH	70.00	25.5	1.8	3635	971	7.0	1.9	1367.0	-148.3	27.7	279.0	34.0
6TH	81.67	25.0	.6	3635	971	6.9	.6	1341.5	-150.1	25.9	263.2	33.6
7TH	93.34	24.4	-.6	3635	971	6.7	-.6	1316.6	-150.7	24.2	247.7	32.9
8TH	105.01	23.9	-1.8	3635	971	6.6	-1.9	1292.1	-150.1	22.4	232.5	32.1
9TH	116.68	23.4	-3.0	3635	971	6.4	-3.1	1268.2	-148.3	20.7	217.6	31.1
10TH	128.35	22.9	-4.2	3635	971	6.3	-4.3	1244.8	-145.3	19.0	202.9	29.9
11TH	140.02	24.9	-5.5	3635	971	6.8	-5.7	1221.8	-141.0	17.3	188.5	28.6
12TH	151.69	27.3	-5.9	3635	971	7.5	-6.1	1196.9	-135.5	15.7	174.4	27.3
13TH	163.36	29.7	-6.3	3635	971	8.2	-6.4	1169.7	-129.6	14.2	160.6	26.0
14TH	175.03	32.1	-6.6	3635	971	8.8	-6.8	1140.0	-123.4	12.7	147.1	24.7
15TH	186.70	34.5	-7.0	3635	971	9.5	-7.2	1107.8	-116.8	11.3	134.0	23.3
16TH	198.37	37.4	-7.3	3635	971	10.3	-7.5	1073.3	-109.8	10.0	121.3	22.0
17TH	210.04	40.3	-7.3	3635	971	11.1	-7.5	1035.9	-102.5	8.7	109.0	20.6
18TH	221.71	43.3	-7.3	3635	971	11.9	-7.6	995.5	-95.2	7.6	97.1	19.3
19TH	233.38	46.2	-7.4	3635	971	12.7	-7.6	952.3	-87.8	6.5	85.7	17.9
20TH	245.05	49.1	-7.4	3635	971	13.5	-7.6	906.1	-80.4	5.5	74.9	16.5
21ST	256.72	52.1	-7.4	3635	971	14.3	-7.6	857.0	-73.1	4.6	64.6	15.1
22ND	268.39	56.4	-7.1	3635	971	15.5	-7.3	804.9	-65.6	3.8	54.9	13.7
23RD	280.06	60.6	-6.9	3635	971	16.7	-7.1	748.5	-58.5	3.1	45.8	12.3
24TH	291.73	64.9	-6.7	3635	971	17.9	-6.9	687.9	-51.6	2.4	37.5	10.9
25TH	303.40	69.2	-6.5	3635	971	19.0	-6.7	623.0	-44.9	1.9	29.8	9.4
26TH	315.07	73.5	-6.3	3635	971	20.2	-6.5	553.8	-38.4	1.4	22.9	7.9
27TH	326.74	77.2	-6.2	3635	971	21.2	-6.4	480.3	-32.0	1.0	16.9	6.3
28TH	338.41	80.2	-6.4	3635	971	22.1	-6.6	403.1	-25.8	.6	11.8	4.7
29TH	350.08	83.3	-6.6	3635	971	22.9	-6.8	322.8	-19.4	.4	7.5	3.0
30TH	361.75	86.5	-6.6	3635	971	23.8	-6.8	239.6	-12.8	.2	4.2	1.2
PENT	373.42	153.0	-6.2	6769	1416	22.6	-4.4	153.0	-6.2	.1	2.0	.7

TABLE 7. SHEAR AND MOMENT DIAGRAMS : ONE LOGAN SQUARE -- TOWER
WIND DIRECTION 170 CONFIGURATION A REFERENCE PRESSURE 37.0 PSF GUST FACTOR 1.32

FLOOR	HEIGHT FT	X-FORCE KIPS	Y-FORCE KIPS	X-AREA SQ FT	Y-AREA SQ FT	X-PRESS PSF	Y-PRESS PSF	X-SHEAR KIPS	Y-SHEAR KIPS	X-MOMENT	Y-MOMENT 1000-FT-KIPS	Z-MOMENT
GRND	0.00	38.5	2.9	5331	1867	7.2	1.6	1169.2	-71.8	20.6	301.5	28.9
MECH	23.33	49.4	-.6	7191	2073	6.9	-.3	1130.6	-74.8	18.9	274.7	27.8
3RD	46.66	22.4	1.9	3635	971	6.2	1.9	1081.3	-74.1	17.1	248.9	28.1
4TH	58.33	20.7	2.3	3635	971	5.7	2.4	1058.8	-76.0	16.3	236.4	27.9
5TH	70.00	18.9	2.4	3635	971	5.2	2.5	1038.2	-78.3	15.4	224.2	27.7
6TH	81.67	17.8	1.5	3635	971	4.9	1.6	1019.3	-80.7	14.4	212.2	27.4
7TH	93.34	16.7	.7	3635	971	4.6	.7	1001.5	-82.3	13.5	200.4	27.0
8TH	105.01	15.5	-.1	3635	971	4.3	-.1	984.8	-83.0	12.5	188.8	26.4
9TH	116.68	14.4	-1.0	3635	971	4.0	-1.0	969.3	-82.8	11.6	177.4	25.8
10TH	128.35	13.3	-1.8	3635	971	3.6	-1.9	954.9	-81.8	10.6	166.1	25.1
11TH	140.02	14.1	-2.9	3635	971	3.9	-3.0	941.6	-80.0	9.7	155.1	24.3
12TH	151.69	15.4	-3.1	3635	971	4.2	-3.2	927.6	-77.1	8.7	144.2	23.5
13TH	163.36	16.8	-3.3	3635	971	4.6	-3.4	912.1	-74.0	7.9	133.4	22.7
14TH	175.03	18.1	-3.6	3635	971	5.0	-3.7	895.4	-70.7	7.0	122.9	21.8
15TH	186.70	19.5	-3.8	3635	971	5.4	-3.9	877.2	-67.1	6.2	112.5	20.8
16TH	198.37	22.0	-4.1	3635	971	6.0	-4.2	857.7	-63.3	5.4	102.4	19.8
17TH	210.04	25.1	-4.2	3635	971	6.9	-4.4	835.8	-59.2	4.7	92.5	18.7
18TH	221.71	28.2	-4.4	3635	971	7.8	-4.5	810.7	-54.9	4.1	82.9	17.6
19TH	233.38	31.3	-4.6	3635	971	8.6	-4.7	782.5	-50.5	3.5	73.6	16.5
20TH	245.05	34.5	-4.7	3635	971	9.5	-4.8	751.2	-46.0	2.9	64.7	15.3
21ST	256.72	37.6	-4.9	3635	971	10.3	-5.0	716.7	-41.3	2.4	56.1	14.2
22ND	268.39	42.2	-4.4	3635	971	11.6	-4.6	679.1	-36.4	1.9	48.0	13.1
23RD	280.06	46.7	-4.3	3635	971	12.8	-4.4	636.9	-32.0	1.5	40.3	11.8
24TH	291.73	51.1	-4.1	3635	971	14.1	-4.3	590.2	-27.7	1.2	33.1	10.5
25TH	303.40	55.6	-4.0	3635	971	15.3	-4.1	539.1	-23.6	.9	26.5	9.1
26TH	315.07	60.0	-3.8	3635	971	16.5	-3.9	483.5	-19.6	.6	20.6	7.7
27TH	326.74	64.2	-3.7	3635	971	17.6	-3.8	423.5	-15.8	.4	15.3	6.1
28TH	338.41	68.0	-3.6	3635	971	18.7	-3.7	359.3	-12.1	.3	10.7	4.6
29TH	350.08	71.9	-3.6	3635	971	19.8	-3.7	291.3	-8.5	.1	6.9	3.0
30TH	361.75	76.0	-3.2	3635	971	20.9	-3.2	219.4	-4.9	.1	3.9	1.3
PENT	373.42	143.4	-1.8	6769	1416	21.2	-1.3	143.4	-1.8	.0	1.8	-.5

TABLE 7. SHEAR AND MOMENT DIAGRAMS : ONE LOGAN SQUARE -- TOWER
WIND DIRECTION 180 CONFIGURATION A REFERENCE PRESSURE 37.0 PSF GUST FACTOR 1.32

FLOOR	HEIGHT FT	X-FORCE KIPS	Y-FORCE KIPS	X-AREA SQ FT	Y-AREA SQ FT	X-PRESS PSF	Y-PRESS PSF	X-SHEAR KIPS	Y-SHEAR KIPS	X-MOMENT	Y-MOMENT 1000-FT-KIPS	Z-MOMENT
GRND	0.00	34.4	3.9	5331	1867	6.5	2.1	893.1	4.2	1.7	232.3	21.7
MECH	23.33	42.5	.2	7191	2073	5.9	.1	858.7	.4	1.8	211.9	20.3
3RD	46.66	19.0	2.3	3635	971	5.2	2.3	816.2	.1	1.8	192.3	20.4
4TH	58.33	17.6	2.4	3635	971	4.8	2.5	797.2	-2.2	1.8	182.9	20.2
5TH	70.00	16.2	2.4	3635	971	4.4	2.5	779.6	-4.6	1.7	173.7	20.0
6TH	81.67	14.8	1.8	3635	971	4.1	1.9	763.4	-7.0	1.7	164.7	19.7
7TH	93.34	13.5	1.3	3635	971	3.7	1.3	748.6	-8.8	1.6	155.9	19.4
8TH	105.01	12.2	.8	3635	971	3.4	.8	735.0	-10.1	1.5	147.2	19.0
9TH	116.68	10.9	.2	3635	971	3.0	.2	722.8	-10.9	1.4	138.7	18.6
10TH	128.35	9.6	-.3	3635	971	2.6	-.3	711.9	-11.1	1.2	130.4	18.2
11TH	140.02	9.1	-1.1	3635	971	2.5	-1.1	702.3	-10.8	1.1	122.1	17.7
12TH	151.69	9.3	-.7	3635	971	2.5	-.7	693.2	-9.7	1.0	114.0	17.3
13TH	163.36	9.4	-.3	3635	971	2.6	-.3	684.0	-9.0	.9	105.9	16.7
14TH	175.03	9.6	.1	3635	971	2.6	.1	674.6	-8.7	.8	98.0	16.2
15TH	186.70	9.7	.5	3635	971	2.7	.5	665.0	-8.8	.7	90.2	15.5
16TH	198.37	11.1	.6	3635	971	3.1	.6	655.3	-9.3	.6	82.5	14.8
17TH	210.04	13.9	.1	3635	971	3.8	.1	644.1	-9.8	.4	74.9	14.1
18TH	221.71	16.6	-.4	3635	971	4.6	-.4	630.3	-9.9	.3	67.5	13.4
19TH	233.38	19.3	-.9	3635	971	5.3	-.9	613.7	-9.5	.2	60.2	12.6
20TH	245.05	22.0	-1.3	3635	971	6.1	-1.4	394.4	-8.7	.1	53.1	11.8
21ST	256.72	24.7	-1.8	3635	971	6.8	-1.9	572.4	-7.3	.0	46.4	11.0
22ND	268.39	29.6	-1.3	3635	971	8.1	-1.4	547.7	-5.5	-.1	39.8	10.2
23RD	280.06	34.0	-1.3	3635	971	9.3	-1.4	518.1	-4.2	-.1	33.6	9.2
24TH	291.73	38.4	-1.3	3635	971	10.6	-1.3	484.1	-2.9	-.2	27.7	8.2
25TH	303.40	42.7	-1.3	3635	971	11.8	-1.3	445.7	-1.6	-.2	22.3	7.2
26TH	315.07	47.1	-1.3	3635	971	13.0	-1.3	403.0	-.3	-.2	17.4	6.1
27TH	326.74	51.6	-1.2	3635	971	14.2	-1.2	355.9	1.0	-.2	12.9	5.0
28TH	338.41	56.3	-1.0	3635	971	15.5	-1.0	304.2	2.2	-.2	9.1	3.8
29TH	350.08	61.1	-.8	3635	971	16.8	-.8	247.9	3.2	-.1	5.9	2.5
30TH	361.75	66.1	-.1	3635	971	18.2	-.1	186.8	4.0	-.1	3.3	1.1
PENT	373.42	120.7	4.1	6769	1416	17.8	2.9	120.7	4.1	-.1	1.5	1.

TABLE 7. SHEAR AND MOMENT DIAGRAMS : ONE LOGAN SQUARE -- TOWER
WIND DIRECTION 190 CONFIGURATION A REFERENCE PRESSURE 37.0 PSF GUST FACTOR 1.32

FLOOR	HEIGHT FT	X-FORCE KIPS	Y-FORCE KIPS	X-AREA SQ FT	Y-AREA SQ FT	X-PRESS PSF	Y-PRESS PSF	X-SHEAR KIPS	Y-SHEAR KIPS	X-MOMENT	Y-MOMENT 1000-FT-KIPS	Z-MOMENT
GRND	0.00	24.5	4.6	5331	1867	4.6	2.5	879.8	-34.0	7.9	242.1	17.8
MECH	23.33	35.3	-1.1	7191	2073	4.9	-.5	855.3	-38.5	7.0	221.8	16.0
3RD	46.66	13.7	1.0	3635	971	3.8	1.1	819.9	-37.5	6.1	202.3	16.2
4TH	58.33	10.6	1.4	3635	971	2.9	1.5	806.3	-38.5	5.7	192.8	16.2
5TH	70.00	8.7	1.5	3635	971	2.4	1.5	795.6	-39.9	5.2	183.4	16.0
6TH	81.67	8.3	.6	3635	971	2.3	.6	786.9	-41.4	4.7	174.2	15.8
7TH	93.34	7.8	-.3	3635	971	2.1	-.3	778.6	-42.0	4.3	165.1	15.5
8TH	105.01	7.3	-1.1	3635	971	2.0	-1.2	770.9	-41.8	3.8	156.0	15.1
9TH	116.68	6.8	-2.0	3635	971	1.9	-2.1	763.6	-40.6	3.3	147.1	14.5
10TH	128.35	6.3	-2.9	3635	971	1.7	-3.0	756.8	-38.6	2.8	138.2	13.9
11TH	140.02	7.2	-4.0	3635	971	2.0	-4.1	750.5	-35.7	2.4	129.4	13.1
12TH	151.69	8.7	-3.7	3635	971	2.4	-3.8	743.3	-31.7	2.0	120.7	12.4
13TH	163.36	10.1	-3.4	3635	971	2.8	-3.5	734.7	-28.0	1.7	112.1	11.7
14TH	175.03	11.6	-3.1	3635	971	3.2	-3.2	724.5	-24.6	1.3	103.6	11.1
15TH	186.70	13.1	-2.8	3635	971	3.6	-2.9	712.9	-21.5	1.1	95.2	10.4
16TH	198.37	15.1	-2.6	3635	971	4.1	-2.7	699.8	-18.7	.8	86.9	9.7
17TH	210.04	17.3	-2.5	3635	971	4.8	-2.5	684.7	-16.0	.6	78.8	9.0
18TH	221.71	19.5	-2.3	3635	971	5.4	-2.3	667.4	-13.6	.5	71.0	8.4
19TH	233.38	21.7	-2.1	3635	971	6.0	-2.2	647.9	-11.3	.3	63.3	7.7
20TH	245.05	24.0	-1.9	3635	971	6.6	-2.0	626.2	-9.2	.2	55.8	7.0
21ST	256.72	26.2	-1.8	3635	971	7.2	-1.8	602.2	-7.3	.1	48.7	6.3
22ND	268.39	31.3	-1.1	3635	971	8.6	-1.1	576.0	-5.5	.0	41.8	5.6
23RD	280.06	36.1	-1.1	3635	971	9.9	-1.1	544.8	-4.4	-.0	35.3	4.8
24TH	291.73	40.8	-1.0	3635	971	11.2	-1.1	508.7	-3.3	-.1	29.1	4.0
25TH	303.40	45.6	-1.0	3635	971	12.6	-1.0	467.9	-2.3	-.1	23.4	3.3
26TH	315.07	50.4	-1.0	3635	971	13.9	-1.0	422.2	-1.3	-.1	18.2	2.5
27TH	326.74	54.8	-1.0	3635	971	15.1	-1.0	371.8	-.3	-.1	13.6	1.7
28TH	338.41	58.5	-1.1	3635	971	16.1	-1.1	317.0	.7	-.1	9.6	.9
29TH	350.08	62.3	-1.2	3635	971	17.1	-1.2	258.5	1.7	-.1	6.2	.1
30TH	361.75	66.3	-1.0	3635	971	18.2	-1.0	196.2	2.9	-.1	3.6	-.7
PENT	373.42	129.8	3.9	6769	1416	19.2	2.8	129.8	3.9	-.0	1.7	-1.7

TABLE 7. SHEAR AND MOMENT DIAGRAMS : ONE LOGAN SQUARE -- TOWER
WIND DIRECTION 200 CONFIGURATION A REFERENCE PRESSURE 37.0 PSF GUST FACTOR 1.32

FLOOR	HEIGHT FT	X-FORCE KIPS	Y-FORCE KIPS	X-AREA SQ FT	Y-AREA SQ FT	X-PRESS PSF	Y-PRESS PSF	X-SHEAR KIPS	Y-SHEAR KIPS	X-MOMENT 1000-FT-KIPS	Y-MOMENT 1000-FT-KIPS	Z-MOMENT 1000-FT-KIPS
GRND	0.00	25.7	-2.6	5331	1867	4.8	-1.4	653.9	-9.0	-6.4	173.0	-.1
MECH	23.33	41.2	-8.1	7191	2073	5.7	-3.9	628.2	-6.3	-6.6	158.0	-2.2
3RD	46.66	17.6	-2.7	3635	971	4.8	-2.8	587.0	1.8	-6.6	143.8	-2.0
4TH	58.33	15.1	-2.6	3635	971	4.1	-2.7	569.4	4.5	-6.6	137.1	-2.1
5TH	70.00	12.9	-2.4	3635	971	3.5	-2.5	554.3	7.1	-6.5	130.5	-2.1
6TH	81.67	11.1	-2.2	3635	971	3.1	-2.3	541.4	9.5	-6.4	124.1	-2.1
7TH	93.34	9.4	-2.1	3635	971	2.6	-2.1	530.3	11.8	-6.3	117.9	-2.1
8TH	105.01	7.6	-1.9	3635	971	2.1	-2.0	520.9	13.9	-6.1	111.8	-2.0
9TH	116.68	5.8	-1.7	3635	971	1.6	-1.8	513.3	15.8	-6.0	105.7	-2.0
10TH	128.35	4.0	-1.6	3635	971	1.1	-1.6	507.5	17.5	-5.8	99.8	-1.9
11TH	140.02	3.5	-2.2	3635	971	1.0	-2.3	503.5	19.1	-5.5	93.9	-1.7
12TH	151.69	3.7	-2.0	3635	971	1.0	-2.0	500.0	21.3	-5.3	88.0	-1.6
13TH	163.36	3.9	-1.8	3635	971	1.1	-1.8	496.3	23.2	-5.1	82.2	-1.5
14TH	175.03	4.1	-1.5	3635	971	1.1	-1.6	492.3	25.0	-4.8	76.4	-1.5
15TH	186.70	4.4	-1.3	3635	971	1.2	-1.4	488.2	26.5	-4.5	70.7	-1.5
16TH	198.37	5.5	-1.1	3635	971	1.5	-1.2	483.8	27.8	-4.2	65.0	-1.6
17TH	210.04	7.3	-.8	3635	971	2.0	-.8	478.3	29.0	-3.8	59.4	-1.7
18TH	221.71	9.1	-.4	3635	971	2.5	-.4	471.0	29.7	-3.5	53.9	-1.9
19TH	233.38	10.9	-.1	3635	971	3.0	-.1	461.9	30.1	-3.1	48.4	-2.0
20TH	245.05	12.7	.3	3635	971	3.5	.3	451.0	30.2	-2.8	43.1	-2.2
21ST	256.72	14.5	.7	3635	971	4.0	.7	438.3	29.9	-2.4	37.9	-2.5
22ND	268.39	18.4	1.5	3635	971	5.0	1.6	423.8	29.2	-2.1	32.9	-2.7
23RD	280.06	21.9	1.9	3635	971	6.0	2.0	405.4	27.7	-1.7	28.1	-2.9
24TH	291.73	25.5	2.3	3635	971	7.0	2.3	383.5	25.8	-1.4	23.5	-3.1
25TH	303.40	29.0	2.6	3635	971	8.0	2.7	358.1	23.5	-1.1	19.1	-3.1
26TH	315.07	32.5	3.0	3635	971	9.0	3.0	329.1	20.9	-.9	15.1	-3.1
27TH	326.74	36.8	3.2	3635	971	10.1	3.3	296.5	18.0	-.7	11.5	-3.1
28TH	338.41	42.1	2.9	3635	971	11.6	2.9	259.7	14.8	-.5	8.2	-3.0
29TH	350.08	47.5	2.5	3635	971	13.1	2.6	217.6	12.0	-.3	5.4	-2.9
30TH	361.75	52.7	2.1	3635	971	14.5	2.2	170.1	9.4	-.2	3.2	-2.8
PENT	373.42	117.4	7.3	6769	1416	17.3	5.1	117.4	7.3	-.1	1.5	-2.8

TABLE 7. SHEAR AND MOMENT DIAGRAMS : ONE LOGAN SQUARE -- TOWER
WIND DIRECTION 210 CONFIGURATION A REFERENCE PRESSURE 37.0 PSF GUST FACTOR 1.32

FLOOR	HEIGHT FT	X-FORCE KIPS	Y-FORCE KIPS	X-AREA SQ FT	Y-AREA SQ FT	X-PRESS PSF	Y-PRESS PSF	X-SHEAR KIPS	Y-SHEAR KIPS	X-MOMENT 1000-FT-KIPS	Y-MOMENT 1000-FT-KIPS	Z-MOMENT 1000-FT-KIPS
GRND	0.00	35.3	-11.5	5331	1867	6.6	-6.2	1115.0	-163.8	21.0	270.2	-26.2
MECH	23.33	64.9	-19.4	7191	2073	9.0	-9.3	1079.7	-152.3	17.3	244.6	-28.1
3RD	46.66	29.8	-8.7	3635	971	8.2	-9.0	1014.7	-132.9	14.0	220.2	-26.5
4TH	58.33	27.4	-9.1	3635	971	7.5	-9.3	984.9	-124.2	12.5	208.5	-25.9
5TH	70.00	25.5	-9.0	3635	971	7.0	-9.3	957.5	-115.1	11.1	197.2	-25.3
6TH	81.67	24.1	-8.5	3635	971	6.6	-8.8	932.0	-106.1	9.8	186.2	-24.7
7TH	93.34	22.8	-8.0	3635	971	6.3	-8.3	907.9	-97.6	8.6	175.4	-24.0
8TH	105.01	21.4	-7.5	3635	971	5.9	-7.7	885.1	-89.5	7.5	165.0	-23.3
9TH	116.68	20.0	-7.0	3635	971	5.5	-7.2	863.7	-82.0	6.5	154.8	-22.6
10TH	128.35	18.7	-6.5	3635	971	5.1	-6.7	843.7	-75.0	5.6	144.8	-21.8
11TH	140.02	18.2	-7.0	3635	971	5.0	-7.2	825.1	-68.5	4.8	135.1	-21.0
12TH	151.69	18.5	-6.6	3635	971	5.1	-6.8	806.8	-61.5	4.0	125.5	-20.1
13TH	163.36	18.8	-6.3	3635	971	5.2	-6.5	788.3	-54.9	3.3	116.2	-19.2
14TH	175.03	19.1	-5.9	3635	971	5.3	-6.1	769.5	-48.7	2.7	107.1	-18.3
15TH	186.70	19.4	-5.6	3635	971	5.3	-5.7	750.3	-42.7	2.2	98.3	-17.4
16TH	198.37	20.4	-5.3	3635	971	5.6	-5.5	730.9	-37.2	1.7	89.6	-16.6
17TH	210.04	21.9	-5.0	3635	971	6.0	-5.2	710.5	-31.9	1.3	81.2	-15.7
18TH	221.71	23.4	-4.7	3635	971	6.4	-4.9	688.6	-26.9	1.0	73.1	-14.9
19TH	233.38	25.0	-4.4	3635	971	6.9	-4.6	665.2	-22.1	.7	65.2	-14.2
20TH	245.05	26.5	-4.2	3635	971	7.3	-4.3	640.2	-17.7	.4	57.5	-13.4
21ST	256.72	28.0	-3.9	3635	971	7.7	-4.0	613.7	-13.5	.3	50.2	-12.7
22ND	268.39	32.4	-2.7	3635	971	8.9	-2.8	585.8	-9.6	.1	43.2	-12.0
23RD	280.06	36.4	-2.4	3635	971	10.0	-2.4	553.3	-6.9	.0	36.6	-11.4
24TH	291.73	40.4	-2.0	3635	971	11.1	-2.0	516.9	-4.5	-.0	30.3	-10.8
25TH	303.40	44.4	-1.6	3635	971	12.2	-1.6	476.5	-2.6	-.1	24.5	-10.1
26TH	315.07	48.3	-1.2	3635	971	13.3	-1.2	432.2	-1.0	-.1	19.2	-9.3
27TH	326.74	52.6	-.8	3635	971	14.5	-.8	383.8	.2	-.1	14.5	-8.6
28TH	338.41	57.4	-.5	3635	971	15.8	-.6	331.2	1.1	-.1	10.3	-7.7
29TH	350.08	62.1	-.3	3635	971	17.1	-.3	273.9	1.6	-.1	6.8	-6.8
30TH	361.75	66.6	-.3	3635	971	18.3	-.5	211.7	1.9	-.1	3.9	-5.8
PENT	373.42	145.1	2.3	6769	1416	21.4	1.6	145.1	2.3	-.0	1.9	-4.7

TABLE 7. SHEAR AND MOMENT DIAGRAMS : ONE LOGAN SQUARE -- TOWER
WIND DIRECTION 220 CONFIGURATION A REFERENCE PRESSURE 37.0 PSF GUST FACTOR 1.32

FLOOR	HEIGHT FT	X-FORCE KIPS	Y-FORCE KIPS	X-AREA SQ FT	Y-AREA SQ FT	X-PRESS PSF	Y-PRESS PSF	X-SHEAR KIPS	Y-SHEAR KIPS	X-MOMENT	Y-MOMENT 1000-FT-KIPS	Z-MOMENT
GRND	0.00	65.6	-24.7	5331	1867	12.3	-13.2	1752.3	-454.2	82.8	400.8	-48.5
MECH	23.33	100.0	-32.9	7191	2073	13.9	-15.9	1686.7	-429.5	72.5	360.7	-49.1
3RD	46.66	48.0	-14.4	3635	971	13.2	-14.8	1586.8	-396.6	62.9	322.5	-46.3
4TH	58.33	45.6	-14.1	3635	971	12.5	-14.5	1538.7	-382.2	58.3	304.3	-45.2
5TH	70.00	43.5	-13.9	3635	971	12.0	-14.3	1493.2	-368.1	54.0	286.6	-44.1
6TH	81.67	42.3	-14.3	3635	971	11.6	-14.8	1449.7	-354.2	49.7	269.4	-42.9
7TH	93.34	41.1	-14.7	3635	971	11.3	-15.2	1407.3	-339.8	45.7	252.7	-41.8
8TH	105.01	39.8	-15.1	3635	971	11.0	-15.6	1366.3	-325.1	41.8	236.5	-40.6
9TH	116.68	38.6	-15.5	3635	971	10.6	-16.0	1326.4	-310.0	38.1	220.8	-39.5
10TH	128.35	37.4	-16.0	3635	971	10.3	-16.4	1287.8	-294.4	34.6	205.6	-38.3
11TH	140.02	37.0	-16.6	3635	971	10.2	-17.0	1250.4	-278.5	31.2	190.8	-37.1
12TH	151.69	37.2	-16.2	3635	971	10.2	-16.7	1213.4	-261.9	28.1	176.4	-35.9
13TH	163.36	37.3	-15.8	3635	971	10.3	-16.3	1176.2	-245.7	25.1	162.4	-34.5
14TH	175.03	37.5	-15.5	3635	971	10.3	-15.9	1138.9	-229.9	22.3	148.9	-33.1
15TH	186.70	37.6	-15.1	3635	971	10.4	-15.5	1101.4	-214.4	19.8	135.9	-31.7
16TH	198.37	38.5	-14.8	3635	971	10.6	-15.3	1063.8	-199.3	17.3	123.2	-30.2
17TH	210.04	40.2	-14.7	3635	971	11.0	-15.1	1025.3	-184.5	15.1	111.0	-28.7
18TH	221.71	41.8	-14.6	3635	971	11.5	-15.0	985.1	-169.7	13.0	99.3	-27.2
19TH	233.38	43.5	-14.4	3635	971	12.0	-14.9	943.3	-155.2	11.1	88.1	-25.7
20TH	245.05	45.1	-14.3	3635	971	12.4	-14.7	899.8	-140.7	9.4	77.3	-24.3
21ST	256.72	46.8	-14.2	3635	971	12.9	-14.6	854.7	-126.4	7.8	67.1	-22.9
22ND	268.39	51.9	-12.9	3635	971	14.3	-13.3	808.0	-112.3	6.5	57.4	-21.5
23RD	280.06	56.5	-12.4	3635	971	15.5	-12.8	756.1	-99.4	5.2	48.2	-20.1
24TH	291.73	61.0	-12.0	3635	971	16.8	-12.3	699.6	-86.9	4.1	39.7	-18.7
25TH	303.40	65.6	-11.5	3635	971	18.0	-11.8	638.6	-75.0	3.2	31.9	-17.1
26TH	315.07	70.2	-11.0	3635	971	19.3	-11.3	572.9	-63.5	2.4	24.9	-15.5
27TH	326.74	74.3	-10.5	3635	971	20.4	-10.8	502.8	-52.5	1.7	18.6	-13.9
28TH	338.41	77.9	-9.8	3635	971	21.4	-10.1	428.5	-42.0	1.2	13.2	-12.1
29TH	350.08	81.5	-9.1	3635	971	22.4	-9.4	350.6	-32.3	.7	8.6	-10.3
30TH	361.75	84.6	-9.2	3635	971	23.3	-9.4	269.1	-23.2	.4	5.0	-8.5
PENT	373.42	184.5	-14.0	6769	1416	27.3	-9.9	184.5	-14.0	.2	2.4	-6.6

TABLE 7. SHEAR AND MOMENT DIAGRAMS : ONE LOGAN SQUARE -- TOWER
WIND DIRECTION 230 CONFIGURATION A REFERENCE PRESSURE 37.0 PSF GUST FACTOR 1.32

FLOOR	HEIGHT FT	X-FORCE KIPS	Y-FORCE KIPS	X-AREA SQ FT	Y-AREA SQ FT	X-PRESS PSF	Y-PRESS PSF	X-SHEAR KIPS	Y-SHEAR KIPS	X-MOMENT	Y-MOMENT 1000-FT-KIPS	Z-MOMENT
GRND	0.00	90.9	-32.2	5331	1867	17.0	-17.3	2204.7	-650.0	129.7	480.0	-71.3
MECH	23.33	129.0	-40.6	7191	2073	17.9	-19.6	2113.8	-617.8	115.0	429.6	-70.6
3RD	46.66	63.4	-17.8	3635	971	17.4	-18.4	1984.8	-577.1	101.0	381.8	-66.5
4TH	58.33	61.0	-17.2	3635	971	16.8	-17.7	1921.4	-559.3	94.4	359.0	-64.9
5TH	70.00	59.1	-16.9	3635	971	16.3	-17.3	1860.4	-542.1	88.0	337.0	-63.3
6TH	81.67	58.0	-17.4	3635	971	16.0	-17.9	1801.3	-525.2	81.7	315.6	-61.7
7TH	93.34	56.9	-17.9	3635	971	15.7	-18.4	1743.2	-507.9	75.7	294.9	-60.1
8TH	105.01	55.8	-18.4	3635	971	15.4	-19.0	1686.3	-490.0	69.9	274.9	-58.5
9TH	116.68	54.7	-18.9	3635	971	15.0	-19.5	1630.5	-471.6	64.3	255.6	-56.8
10TH	128.35	53.6	-19.5	3635	971	14.7	-20.0	1575.8	-452.6	58.9	236.9	-55.1
11TH	140.02	52.8	-20.3	3635	971	14.5	-20.9	1522.3	-433.1	53.7	218.8	-53.4
12TH	151.69	52.6	-20.4	3635	971	14.5	-21.0	1469.5	-412.8	48.8	201.3	-51.5
13TH	163.36	52.4	-20.4	3635	971	14.4	-21.0	1416.9	-392.4	44.1	184.5	-49.5
14TH	175.03	52.2	-20.5	3635	971	14.4	-21.1	1364.5	-372.0	39.6	168.3	-47.5
15TH	186.70	52.0	-20.5	3635	971	14.3	-21.1	1312.2	-351.5	35.4	152.6	-45.4
16TH	198.37	53.2	-20.6	3635	971	14.6	-21.2	1260.2	-331.0	31.4	137.6	-43.3
17TH	210.04	55.5	-20.7	3635	971	15.3	-21.3	1207.1	-310.4	27.7	123.2	-41.1
18TH	221.71	57.9	-20.7	3635	971	15.9	-21.3	1151.5	-289.7	24.2	109.5	-38.8
19TH	233.38	60.3	-20.8	3635	971	16.6	-21.4	1093.6	-269.0	20.9	96.4	-36.6
20TH	245.05	62.7	-20.9	3635	971	17.2	-21.5	1033.3	-248.2	17.9	84.0	-34.2
21ST	256.72	65.0	-20.9	3635	971	17.9	-21.5	970.7	-227.4	15.1	72.3	-31.8
22ND	268.39	68.8	-19.9	3635	971	18.9	-20.5	905.6	-206.5	12.6	61.3	-29.4
23RD	280.06	71.9	-20.0	3635	971	19.8	-20.5	836.8	-186.6	10.3	51.1	-27.0
24TH	291.73	75.0	-20.0	3635	971	20.6	-20.6	764.9	-166.6	8.2	41.8	-24.5
25TH	303.40	78.2	-20.0	3635	971	21.5	-20.6	689.9	-146.6	6.4	33.3	-22.0
26TH	315.07	81.3	-20.1	3635	971	22.4	-20.7	611.8	-126.6	4.8	25.7	-19.5
27TH	326.74	84.0	-20.1	3635	971	23.1	-20.7	530.5	-106.5	3.4	19.0	-16.9
28TH	338.41	86.3	-19.9	3635	971	23.7	-20.5	446.5	-86.4	2.3	13.3	-14.3
29TH	350.08	88.6	-19.7	3635	971	24.4	-20.3	360.2	-66.5	1.4	8.6	-11.8
30TH	361.75	90.3	-20.4	3635	971	24.8	-21.0	271.6	-46.8	.8	5.0	-9.5
PENT	373.42	181.3	-26.4	6769	1416	26.8	-18.7	181.3	-26.4	.3	2.3	-7.2

TABLE 7. SHEAR AND MOMENT DIAGRAMS : ONE LOGAN SQUARE -- TOWER
WIND DIRECTION 240 CONFIGURATION A REFERENCE PRESSURE 37.0 PSF GUST FACTOR 1.32

FLOOR	HEIGHT FT	X-FORCE KIPS	Y-FORCE KIPS	X-AREA SQ FT	Y-AREA SQ FT	X-PRESS PSF	Y-PRESS PSF	X-SHEAR KIPS	Y-SHEAR KIPS	X-MOMENT 1000-FT-KIPS	Y-MOMENT 1000-FT-KIPS	Z-MOMENT 1000-FT-KIPS
GRND	0.00	91.7	-27.8	5331	1867	17.2	-14.9	2251.3	-652.8	138.3	469.5	-77.4
MECH	23.33	131.9	-36.8	7191	2073	18.3	-17.7	2159.6	-625.0	123.4	418.1	-76.1
3RD	46.66	64.6	-15.7	3635	971	17.8	-16.2	2027.7	-588.2	109.2	369.2	-71.3
4TH	58.33	62.4	-15.2	3635	971	17.2	-15.7	1963.1	-572.4	102.4	346.0	-69.2
5TH	70.00	61.5	-14.9	3635	971	16.9	-15.4	1900.7	-557.2	95.8	323.4	-67.0
6TH	81.67	61.8	-15.3	3635	971	17.0	-15.8	1839.2	-542.3	89.4	301.6	-64.9
7TH	93.34	62.1	-15.8	3635	971	17.1	-16.2	1777.4	-527.0	83.2	280.5	-62.7
8TH	105.01	62.4	-16.2	3635	971	17.2	-16.7	1715.3	-511.2	77.1	260.1	-60.5
9TH	116.68	62.6	-16.6	3635	971	17.2	-17.1	1653.0	-495.0	71.3	240.5	-58.3
10TH	128.35	62.9	-17.1	3635	971	17.3	-17.6	1590.3	-478.4	65.6	221.5	-56.0
11TH	140.02	62.6	-18.3	3635	971	17.2	-18.8	1527.4	-461.3	60.1	203.3	-53.7
12TH	151.69	62.9	-18.8	3635	971	17.3	-19.4	1464.8	-443.0	54.8	185.9	-51.4
13TH	163.36	63.1	-19.4	3635	971	17.4	-19.9	1401.9	-424.2	49.8	169.2	-49.0
14TH	175.03	63.3	-19.9	3635	971	17.4	-20.5	1338.8	-404.8	44.9	153.2	-46.7
15TH	186.70	63.6	-20.5	3635	971	17.5	-21.1	1275.5	-384.9	40.3	137.9	-44.5
16TH	198.37	64.2	-20.9	3635	971	17.7	-21.6	1211.9	-364.5	35.9	123.4	-42.3
17TH	210.04	65.0	-21.0	3635	971	17.9	-21.7	1147.7	-343.5	31.8	109.6	-40.1
18TH	221.71	65.7	-21.2	3635	971	18.1	-21.8	1082.7	-322.5	27.9	96.6	-37.8
19TH	233.38	66.5	-21.3	3635	971	18.3	-21.9	1017.0	-301.3	24.3	84.4	-35.5
20TH	245.05	67.2	-21.4	3635	971	18.5	-22.0	950.5	-280.0	20.9	72.9	-33.1
21ST	256.72	68.0	-21.5	3635	971	18.7	-22.1	883.3	-258.7	17.7	62.2	-30.7
22ND	268.39	70.4	-20.8	3635	971	19.4	-21.4	815.3	-237.2	14.9	52.3	-28.2
23RD	280.06	72.2	-21.4	3635	971	19.9	-22.0	744.8	-216.4	12.2	43.2	-25.8
24TH	291.73	74.0	-21.9	3635	971	20.4	-22.6	672.6	-195.0	9.8	34.9	-23.3
25TH	303.40	75.8	-22.5	3635	971	20.9	-23.1	598.6	-173.1	7.7	27.5	-20.8
26TH	315.07	77.6	-23.0	3635	971	21.4	-23.7	522.8	-150.6	5.8	20.9	-18.3
27TH	326.74	78.2	-23.5	3635	971	21.5	-24.2	445.2	-127.6	4.1	15.3	-15.7
28TH	338.41	77.5	-23.7	3635	971	21.3	-24.4	366.9	-104.1	2.8	10.5	-13.2
29TH	350.08	76.9	-23.9	3635	971	21.1	-24.6	289.4	-80.4	1.7	6.7	-10.7
30TH	361.75	75.6	-24.9	3635	971	20.8	-25.6	212.5	-56.6	.9	3.8	-8.4
PENT	373.42	137.0	-31.7	6769	1416	20.2	-22.4	137.0	-31.7	.4	1.7	-6.0

TABLE 7. SHEAR AND MOMENT DIAGRAMS : ONE LOGAN SQUARE -- TOWER
WIND DIRECTION 250 CONFIGURATION A REFERENCE PRESSURE 37.0 PSF GUST FACTOR 1.32

FLOOR	HEIGHT FT	X-FORCE KIPS	Y-FORCE KIPS	X-AREA SQ FT	Y-AREA SQ FT	X-PRESS PSF	Y-PRESS PSF	X-SHEAR KIPS	Y-SHEAR KIPS	X-MOMENT	Y-MOMENT 1000-FT-KIPS	Z-MOMENT
GRND	0.00	52.1	-22.2	5331	1867	9.8	-11.9	1592.5	-609.6	134.4	327.2	-62.5
MECH	23.33	95.2	-29.8	7191	2073	13.2	-14.4	1540.3	-587.4	120.5	290.7	-61.8
3RD	46.66	47.2	-13.1	3635	971	13.0	-13.5	1445.1	-557.6	107.1	255.9	-57.3
4TH	58.33	45.8	-12.7	3635	971	12.6	-13.1	1398.0	-544.5	100.7	239.3	-55.3
5TH	70.00	45.5	-12.6	3635	971	12.5	-12.9	1352.1	-531.7	94.4	223.2	-53.2
6TH	81.67	45.9	-13.0	3635	971	12.6	-13.4	1306.6	-519.2	88.3	207.7	-51.2
7TH	93.34	46.2	-13.5	3635	971	12.7	-13.9	1260.8	-506.1	82.3	192.7	-49.1
8TH	105.01	46.6	-13.9	3635	971	12.8	-14.3	1214.5	-492.7	76.5	178.3	-47.1
9TH	116.68	47.0	-14.3	3635	971	12.9	-14.8	1167.9	-478.8	70.8	164.4	-45.0
10TH	128.35	47.4	-14.8	3635	971	13.0	-15.2	1120.9	-464.5	65.3	151.0	-42.9
11TH	140.02	47.0	-16.0	3635	971	12.9	-16.5	1073.5	-449.7	59.9	138.2	-40.8
12TH	151.69	47.2	-16.6	3635	971	13.0	-17.1	1026.5	-433.7	54.8	126.0	-38.7
13TH	163.36	47.4	-17.2	3635	971	13.0	-17.7	979.3	-417.1	49.8	114.3	-36.6
14TH	175.03	47.6	-17.8	3635	971	13.1	-18.3	931.9	-399.9	45.1	103.1	-34.5
15TH	186.70	47.8	-18.4	3635	971	13.1	-18.9	884.4	-382.1	40.5	92.5	-32.4
16TH	198.37	48.0	-19.0	3635	971	13.2	-19.6	836.6	-363.7	36.1	82.5	-30.4
17TH	210.04	48.3	-19.7	3635	971	13.3	-20.3	788.6	-344.7	32.0	73.0	-28.4
18TH	221.71	48.6	-20.4	3635	971	13.4	-21.0	740.4	-324.9	28.1	64.1	-26.4
19TH	233.38	48.9	-21.1	3635	971	13.4	-21.8	691.8	-304.5	24.4	55.7	-24.5
20TH	245.05	49.2	-21.9	3635	971	13.5	-22.5	643.0	-283.3	21.0	47.9	-22.6
21ST	256.72	49.5	-22.5	3635	971	13.6	-23.2	593.8	-261.5	17.8	40.7	-20.7
22ND	268.39	50.6	-21.7	3635	971	13.9	-22.4	544.3	-239.0	14.9	34.1	-18.8
23RD	280.06	51.0	-22.0	3635	971	14.0	-22.6	493.7	-217.2	12.2	28.0	-17.1
24TH	291.73	51.3	-22.3	3635	971	14.1	-22.9	442.7	-195.2	9.8	22.5	-15.3
25TH	303.40	51.6	-22.5	3635	971	14.2	-23.2	391.4	-173.0	7.7	17.7	-13.6
26TH	315.07	52.0	-22.8	3635	971	14.3	-23.5	339.8	-150.4	5.8	13.4	-11.8
27TH	326.74	51.8	-23.1	3635	971	14.2	-23.7	287.8	-127.6	4.2	9.8	-10.0
28TH	338.41	51.1	-23.4	3635	971	14.1	-24.1	236.0	-104.6	2.8	6.7	-8.2
29TH	350.08	50.4	-23.8	3635	971	13.9	-24.5	184.9	-81.1	1.7	4.2	-6.5
30TH	361.75	49.0	-25.1	3635	971	13.5	-25.8	134.6	-57.3	.9	2.4	-5.0
PENT	373.42	85.5	-32.3	6769	1416	12.6	-22.8	85.5	-32.3	.4	1.1	-3.4

TABLE 7. SHEAR AND MOMENT DIAGRAMS ; ONE LOGAN SQUARE -- TOWER
WIND DIRECTION 260 CONFIGURATION A REFERENCE PRESSURE 37.0 PSF GUST FACTOR 1.32

FLOOR	HEIGHT FT	X-FORCE KIPS	Y-FORCE KIPS	X-AREA SQ FT	Y-AREA SQ FT	X-PRESS PSF	Y-PRESS PSF	X-SHEAR KIPS	Y-SHEAR KIPS	X-MOMENT	Y-MOMENT 1000-FT-KIPS	Z-MOMENT
GRND	0.00	42.5	-23.3	5331	1867	8.0	-12.5	1226.7	-637.4	141.4	239.0	-58.2
MECH	23.33	87.7	-27.9	7191	2073	12.2	-13.5	1184.1	-614.2	126.8	210.9	-57.2
3RD	46.66	41.8	-12.9	3635	971	11.5	-13.3	1096.5	-586.3	112.8	184.3	-51.7
4TH	58.33	39.4	-12.8	3635	971	10.8	-13.1	1054.6	-573.4	106.0	171.7	-49.2
5TH	70.00	38.6	-12.8	3635	971	10.6	-13.2	1015.2	-560.6	99.4	159.7	-46.8
6TH	81.67	38.6	-13.5	3635	971	10.6	-13.9	976.7	-547.8	92.9	148.0	-44.4
7TH	93.34	38.7	-14.2	3635	971	10.6	-14.7	938.0	-534.2	86.6	136.9	-42.1
8TH	105.01	38.7	-14.9	3635	971	10.6	-15.4	899.4	-520.0	80.5	126.1	-39.7
9TH	116.68	38.7	-15.6	3635	971	10.7	-16.1	860.7	-505.1	74.5	115.7	-37.4
10TH	128.35	38.8	-16.3	3635	971	10.7	-16.8	822.0	-489.4	68.7	106.1	-35.0
11TH	140.02	38.2	-17.4	3635	971	10.5	-17.9	783.2	-473.1	63.2	96.7	-32.7
12TH	151.69	38.1	-17.9	3635	971	10.5	-18.4	745.0	-455.7	57.7	87.8	-30.4
13TH	163.36	38.1	-18.3	3635	971	10.5	-18.9	706.9	-437.8	52.5	79.3	-28.2
14TH	175.03	38.0	-18.8	3635	971	10.5	-19.3	668.8	-419.5	47.4	71.3	-26.1
15TH	186.70	38.0	-19.2	3635	971	10.4	-19.8	630.8	-400.7	42.7	63.7	-24.1
16TH	198.37	37.9	-19.8	3635	971	10.4	-20.4	592.8	-381.5	38.2	56.6	-22.2
17TH	210.04	37.7	-20.5	3635	971	10.4	-21.1	554.9	-361.7	33.9	49.8	-20.4
18TH	221.71	37.6	-21.1	3635	971	10.3	-21.7	517.2	-341.2	29.8	43.6	-18.7
19TH	233.38	37.4	-21.8	3635	971	10.3	-22.4	479.6	-320.1	25.9	37.8	-17.1
20TH	245.05	37.3	-22.4	3635	971	10.3	-23.1	442.2	-298.3	22.3	32.5	-15.7
21ST	256.72	37.1	-23.1	3635	971	10.2	-23.7	404.9	-275.9	18.9	27.5	-14.4
22ND	268.39	37.0	-22.4	3635	971	10.2	-23.1	367.7	-252.9	15.8	23.0	-12.7
23RD	280.06	35.9	-23.0	3635	971	9.9	-23.7	330.8	-230.4	12.9	18.9	-11.4
24TH	291.73	34.9	-23.6	3635	971	9.6	-24.3	294.8	-207.4	10.4	15.2	-10.1
25TH	303.40	33.9	-24.2	3635	971	9.3	-24.9	259.9	-183.8	8.1	12.0	-8.9
26TH	315.07	32.9	-24.8	3635	971	9.0	-25.5	226.0	-159.6	6.1	9.2	-7.5
27TH	326.74	32.5	-25.2	3635	971	8.9	-25.9	193.2	-134.9	4.4	6.7	-6.4
28TH	338.41	33.1	-25.1	3635	971	9.1	-25.8	160.7	-109.7	3.1	4.6	-5.4
29TH	350.08	33.6	-25.0	3635	971	9.3	-25.7	127.6	-84.6	1.8	3.0	-4.2
30TH	361.75	33.6	-25.8	3635	971	9.2	-26.6	94.0	-59.6	1.0	1.8	-3.1
PENT	373.42	60.4	-33.8	6769	1416	8.9	-23.9	60.4	-33.8	0.4	0.8	-1.9

TABLE 7. SHEAR AND MOMENT DIAGRAMS : ONE LOGAN SQUARE -- TOWER
WIND DIRECTION 270 CONFIGURATION A REFERENCE PRESSURE 37.0 PSF GUST FACTOR 1.32

FLOOR	HEIGHT FT	X-FORCE KIPS	Y-FORCE KIPS	X-AREA SQ FT	Y-AREA SQ FT	X-PRESS PSF	Y-PRESS PSF	X-SHEAR KIPS	Y-SHEAR KIPS	X-MOMENT	Y-MOMENT 1000-FT-KIPS	Z-MOMENT
GRND	0.00	31.6	-20.9	5331	1867	5.9	-11.2	817.6	-581.3	131.1	149.4	-46.3
MECH	23.33	68.7	-22.2	7191	2073	9.6	-10.7	785.9	-560.3	117.7	130.7	-45.3
3RD	46.66	32.0	-10.5	3635	971	8.8	-10.8	717.2	-538.2	104.9	113.2	-39.9
4TH	58.33	30.2	-10.6	3635	971	8.3	-10.9	685.1	-527.7	98.7	105.0	-37.5
5TH	70.00	29.5	-10.7	3635	971	8.1	-11.0	654.9	-517.1	92.6	97.2	-35.1
6TH	81.67	29.3	-11.3	3635	971	8.1	-11.6	625.4	-506.4	86.6	89.7	-32.8
7TH	93.34	29.2	-11.9	3635	971	8.0	-12.3	596.1	-495.1	80.8	82.6	-30.6
8TH	105.01	29.1	-12.5	3635	971	8.0	-12.9	566.9	-483.2	75.1	75.8	-28.4
9TH	116.68	28.9	-13.1	3635	971	8.0	-13.5	537.9	-470.7	69.5	69.4	-26.3
10TH	128.35	28.8	-13.7	3635	971	7.9	-14.1	508.9	-457.6	64.1	63.3	-24.3
11TH	140.02	27.7	-15.1	3635	971	7.6	-15.5	480.2	-443.9	58.8	57.5	-22.3
12TH	151.69	27.2	-15.9	3635	971	7.5	-16.4	452.4	-428.8	53.7	52.1	-20.4
13TH	163.36	26.7	-16.7	3635	971	7.3	-17.2	425.2	-412.9	48.8	46.9	-18.6
14TH	175.03	26.1	-17.5	3635	971	7.2	-18.0	398.6	-396.2	44.1	42.1	-16.9
15TH	186.70	25.6	-18.3	3635	971	7.0	-18.8	372.4	-378.7	39.6	37.6	-15.4
16TH	198.37	24.7	-19.2	3635	971	6.8	-19.7	346.8	-360.4	35.3	33.4	-14.0
17TH	210.04	23.5	-19.9	3635	971	6.5	-20.5	322.1	-341.2	31.2	29.5	-12.7
18TH	221.71	22.3	-20.7	3635	971	6.1	-21.3	298.6	-321.3	27.3	25.9	-11.5
19TH	233.38	21.1	-21.5	3635	971	5.8	-22.1	276.3	-300.6	23.7	22.5	-10.4
20TH	245.05	19.9	-22.3	3635	971	5.5	-22.9	255.2	-279.1	20.3	19.4	-9.3
21ST	256.72	18.7	-23.0	3635	971	5.2	-23.7	235.3	-256.8	17.2	16.6	-8.4
22ND	268.39	19.5	-22.2	3635	971	5.4	-22.8	216.5	-233.8	14.3	14.0	-7.6
23RD	280.06	19.5	-22.3	3635	971	5.4	-22.9	197.0	-211.6	11.7	11.5	-6.9
24TH	291.73	19.5	-22.4	3635	971	5.4	-23.1	177.5	-189.3	9.4	9.4	-6.1
25TH	303.40	19.5	-22.5	3635	971	5.4	-23.2	158.0	-166.9	7.3	7.4	-5.4
26TH	315.07	19.5	-22.6	3635	971	5.4	-23.3	138.4	-144.4	5.5	5.7	-4.6
27TH	326.74	19.7	-22.7	3635	971	5.4	-23.4	118.9	-121.7	3.9	4.2	-3.8
28TH	338.41	20.1	-22.7	3635	971	5.5	-23.4	99.2	-99.1	2.6	2.9	-3.0
29TH	350.08	20.6	-22.8	3635	971	5.7	-23.4	79.1	-76.3	1.6	1.9	-2.3
30TH	361.75	20.4	-23.7	3635	971	5.6	-24.4	58.5	-53.5	.9	1.0	-1.7
PENT	373.42	38.0	-29.9	6769	1416	5.6	-21.1	38.0	-29.9	.4	.5	-1.0

TABLE 7. SHEAR AND MOMENT DIAGRAMS : ONE LOGAN SQUARE -- TOWER
WIND DIRECTION 280 CONFIGURATION A REFERENCE PRESSURE 37.0 PSF GUST FACTOR 1.32

FLOOR	HEIGHT FT	X-FORCE KIPS	Y-FORCE KIPS	X-AREA SQ FT	Y-AREA SQ FT	X-PRESS PSF	Y-PRESS PSF	X-SHEAR KIPS	Y-SHEAR KIPS	X-MOMENT	Y-MOMENT 1000-FT-KIPS	Z-MOMENT
GRND	0.00	13.2	-16.7	5331	1867	2.5	-8.9	365.7	-537.7	123.1	61.3	-26.9
MECH	23.33	33.1	-17.3	7191	2073	4.6	-8.4	352.6	-521.1	110.8	53.0	-26.2
3RD	46.66	15.6	-8.8	3635	971	4.3	-9.0	319.4	-503.8	98.8	45.1	-22.8
4TH	58.33	15.0	-9.2	3635	971	4.1	-9.4	303.8	-495.0	93.0	41.5	-21.1
5TH	70.00	14.6	-9.5	3635	971	4.0	-9.8	288.8	-485.8	87.3	38.0	-19.5
6TH	81.67	14.4	-10.3	3635	971	4.0	-10.6	274.3	-476.3	81.7	34.7	-18.0
7TH	93.34	14.2	-11.0	3635	971	3.9	-11.4	259.9	-466.0	76.2	31.6	-16.6
8TH	105.01	14.0	-11.8	3635	971	3.8	-12.1	245.7	-454.9	70.8	28.7	-15.3
9TH	116.68	13.8	-12.5	3635	971	3.8	-12.9	231.7	-443.1	65.6	25.9	-14.0
10TH	128.35	13.6	-13.3	3635	971	3.7	-13.7	217.9	-430.6	60.5	23.3	-12.9
11TH	140.02	13.2	-14.7	3635	971	3.6	-15.1	204.3	-417.3	55.5	20.8	-11.9
12TH	151.69	13.3	-15.5	3635	971	3.7	-15.9	191.1	-402.6	50.7	18.5	-10.8
13TH	163.36	13.4	-16.2	3635	971	3.7	-16.7	177.8	-387.2	46.1	16.3	-9.9
14TH	175.03	13.5	-17.0	3635	971	3.7	-17.5	164.5	-370.9	41.7	14.3	-8.9
15TH	186.70	13.6	-17.7	3635	971	3.7	-18.3	151.0	-353.9	37.5	12.5	-8.1
16TH	198.37	13.3	-18.4	3635	971	3.7	-19.0	137.4	-336.2	33.4	10.8	-7.3
17TH	210.04	12.6	-18.7	3635	971	3.5	-19.3	124.1	-317.8	29.6	9.3	-6.6
18TH	221.71	12.0	-19.0	3635	971	3.3	-19.6	111.4	-299.0	26.0	7.9	-5.9
19TH	233.38	11.3	-19.4	3635	971	3.1	-19.9	99.5	-280.0	22.6	6.5	-5.2
20TH	245.05	10.6	-19.7	3635	971	2.9	-20.2	88.2	-260.6	19.5	5.3	-4.6
21ST	256.72	9.9	-20.0	3635	971	2.7	-20.6	77.6	-241.0	16.6	4.2	-4.1
22ND	268.39	9.7	-19.2	3635	971	2.7	-19.8	67.7	-221.0	13.9	3.3	-3.5
23RD	280.06	8.7	-19.8	3635	971	2.4	-20.3	58.0	-201.8	11.4	2.5	-3.2
24TH	291.73	7.7	-20.3	3635	971	2.1	-20.9	49.4	-182.0	9	1.9	-2.8
25TH	303.40	6.7	-20.9	3635	971	1.8	-21.5	41.7	-161.7	7	1.4	-1.8
26TH	315.07	5.8	-21.4	3635	971	1.6	-22.1	35.1	-140.9	5.4	1.1	-1.3
27TH	326.74	5.0	-21.9	3635	971	1.4	-22.6	29.4	-119.4	3.9	1	-1
28TH	338.41	4.9	-22.2	3635	971	1.3	-22.9	24.4	-97.5	2.6		
29TH	350.08	4.8	-22.5	3635	971	1.3	-23.2	19.6	-75.3	1.5		
30TH	361.75	4.0	-23.7	3635	971	1.1	-24.4	14.8	-52.8	.8		
PENT	373.42	10.8	-29.1	6769	1416	1.6	-20.6	10.8	-29.1	.4	.1	

TABLE 7. SHEAR AND MOMENT DIAGRAMS : ONE LOGAN SQUARE -- TOWER
WIND DIRECTION 290 CONFIGURATION A REFERENCE PRESSURE 37.0 PSF GUST FACTOR 1.32

FLOOR	HEIGHT FT	X-FORCE KIPS	Y-FORCE KIPS	X-AREA SQ FT	Y-AREA SQ FT	X-PRESS PSF	Y-PRESS PSF	X-SHEAR KIPS	Y-SHEAR KIPS	X-MOMENT	Y-MOMENT 1000-FT-KIPS	Z-MOMENT
GRND	0.00	.9	-17.6	5331	1867	.2	-9.4	-294.4	-562.3	128.2	-75.8	10.2
MECH	23.33	1.2	-18.1	7191	2073	.2	-8.8	-295.4	-544.7	115.3	-68.9	10.7
3RD	46.66	-1.0	-9.3	3635	971	-.3	-9.5	-296.5	-526.5	102.8	-62.0	11.4
4TH	58.33	-2.0	-9.5	3635	971	-.6	-9.8	-295.5	-517.3	96.7	-58.6	11.6
5TH	70.00	-3.0	-9.8	3635	971	-.8	-10.1	-293.5	-507.8	90.7	-55.1	11.8
6TH	81.67	-3.9	-10.7	3635	971	-1.1	-11.0	-290.5	-497.9	84.8	-51.7	11.9
7TH	93.34	-4.7	-11.5	3635	971	-1.3	-11.8	-286.6	-487.2	79.1	-48.4	11.8
8TH	105.01	-5.6	-12.3	3635	971	-1.5	-12.7	-281.9	-475.7	73.5	-45.0	11.5
9TH	116.68	-6.4	-13.1	3635	971	-1.8	-13.5	-276.3	-463.4	68.0	-41.8	11.1
10TH	128.35	-7.3	-13.9	3635	971	-2.0	-14.4	-269.9	-450.3	62.6	-38.6	10.5
11TH	140.02	-8.2	-15.4	3635	971	-2.3	-15.9	-262.6	-436.4	57.5	-35.5	9.7
12TH	151.69	-8.7	-16.3	3635	971	-2.4	-16.7	-254.4	-421.0	52.5	-32.5	9.0
13TH	163.36	-9.3	-17.1	3635	971	-2.6	-17.6	-245.7	-404.7	47.7	-29.7	8.2
14TH	175.03	-9.8	-18.0	3635	971	-2.7	-18.5	-236.4	-387.6	43.0	-26.7	7.4
15TH	186.70	-10.3	-18.8	3635	971	-2.8	-19.3	-226.6	-369.6	38.6	-24.0	6.6
16TH	198.37	-10.9	-19.5	3635	971	-3.0	-20.1	-216.3	-350.8	34.4	-21.5	5.7
17TH	210.04	-11.5	-19.9	3635	971	-3.2	-20.5	-205.4	-331.3	30.4	-19.0	4.9
18TH	221.71	-12.1	-20.2	3635	971	-3.3	-20.8	-193.9	-311.4	26.7	-16.7	4.1
19TH	233.38	-12.7	-20.5	3635	971	-3.5	-21.1	-181.8	-291.2	23.2	-14.5	3.4
20TH	245.05	-13.3	-20.9	3635	971	-3.6	-21.5	-169.2	-270.7	19.9	-12.4	2.7
21ST	256.72	-13.8	-21.2	3635	971	-3.8	-21.8	-155.9	-249.8	16.8	-10.5	2.1
22ND	268.39	-13.2	-20.5	3635	971	-3.6	-21.1	-142.1	-228.6	14.1	-8.8	1.6
23RD	280.06	-13.5	-21.1	3635	971	-3.7	-21.7	-128.8	-208.1	11.5	-7.2	1.1
24TH	291.73	-13.7	-21.7	3635	971	-3.8	-22.4	-115.4	-187.0	9.2	-5.8	.6
25TH	303.40	-14.0	-22.3	3635	971	-3.8	-23.0	-101.6	-165.3	7.1	-4.5	.3
26TH	315.07	-14.2	-23.0	3635	971	-3.9	-23.6	-87.7	-143.0	5.3	-3.4	.1
27TH	326.74	-14.0	-23.3	3635	971	-3.9	-24.0	-73.5	-120.0	3.8	-2.5	.1
28TH	338.41	-13.1	-22.9	3635	971	-3.6	-23.6	-59.5	-96.7	2.5	-1.7	.1
29TH	350.08	-12.2	-22.5	3635	971	-3.4	-23.2	-46.4	-73.8	1.6	-1.1	.2
30TH	361.75	-11.9	-23.0	3635	971	-3.3	-23.7	-34.2	-51.2	.8	-.6	.2
PENT	373.42	-22.3	-28.2	6769	1416	-3.3	-19.9	-22.3	-28.2	.4	-.3	.5

TABLE 7. SHEAR AND MOMENT DIAGRAMS : ONE LOGAN SQUARE -- TOWER
WIND DIRECTION 300 CONFIGURATION A REFERENCE PRESSURE 37.0 PSF GUST FACTOR 1.32

FLOOR	HEIGHT FT	X-FORCE KIPS	Y-FORCE KIPS	X-AREA SQ FT	Y-AREA SQ FT	X-PRESS PSF	Y-PRESS PSF	X-SHEAR KIPS	Y-SHEAR KIPS	X-MOMENT 1000-FT-KIPS	Y-MOMENT 1000-FT-KIPS	Z-MOMENT 1000-FT-KIPS
GRND	0.00	-13.7	-14.0	5331	1867	-2.6	-7.5	-816.8	-558.6	129.5	-181.4	45.9
MECH	23.33	-25.3	-15.5	7191	2073	-3.5	-7.5	-803.1	-544.6	116.6	-162.5	45.8
3RD	46.66	-15.2	-8.3	3635	971	-4.2	-8.6	-777.8	-529.1	104.1	-144.0	44.6
4TH	58.33	-16.5	-8.8	3635	971	-4.5	-9.1	-762.7	-520.8	98.0	-135.0	43.8
5TH	70.00	-18.0	-9.3	3635	971	-5.0	-9.6	-746.2	-512.0	91.9	-126.2	42.9
6TH	81.67	-19.3	-10.3	3635	971	-5.3	-10.6	-728.2	-502.7	86.0	-117.6	41.8
7TH	93.34	-20.5	-11.2	3635	971	-5.6	-11.6	-708.9	-492.4	80.2	-109.2	40.5
8TH	105.01	-21.8	-12.2	3635	971	-6.0	-12.6	-688.4	-481.2	74.5	-101.1	39.0
9TH	116.68	-23.1	-13.2	3635	971	-6.3	-13.6	-666.6	-469.0	69.0	-93.2	37.2
10TH	128.35	-24.3	-14.1	3635	971	-6.7	-14.5	-643.5	-455.8	63.6	-85.5	35.2
11TH	140.02	-25.4	-15.5	3635	971	-7.0	-16.0	-619.2	-441.7	58.2	-78.2	32.9
12TH	151.69	-26.1	-16.2	3635	971	-7.2	-16.7	-593.8	-426.1	53.3	-71.1	30.8
13TH	163.36	-26.8	-16.9	3635	971	-7.4	-17.4	-567.7	-409.9	48.4	-64.3	28.7
14TH	175.03	-27.5	-17.6	3635	971	-7.6	-18.1	-540.9	-393.0	43.7	-57.8	26.6
15TH	186.70	-28.2	-18.3	3635	971	-7.8	-18.9	-513.4	-375.4	39.2	-51.7	24.5
16TH	198.37	-28.9	-19.1	3635	971	-7.9	-19.6	-485.2	-357.0	35.0	-45.9	22.5
17TH	210.04	-29.5	-19.8	3635	971	-8.1	-20.3	-456.3	-338.0	30.9	-40.4	20.5
18TH	221.71	-30.1	-20.4	3635	971	-8.3	-21.1	-426.8	-318.2	27.1	-35.2	18.6
19TH	233.38	-30.7	-21.1	3635	971	-8.5	-21.8	-396.7	-297.8	23.5	-30.4	16.8
20TH	245.05	-31.3	-21.8	3635	971	-8.6	-22.5	-366.0	-276.6	20.1	-26.0	15.0
21ST	256.72	-32.0	-22.5	3635	971	-8.8	-23.2	-334.7	-254.8	17.0	-21.9	13.3
22ND	268.39	-30.8	-21.6	3635	971	-8.5	-22.3	-302.7	-232.3	14.2	-18.2	11.7
23RD	280.06	-30.6	-21.9	3635	971	-8.4	-22.6	-271.9	-210.7	11.6	-14.8	10.2
24TH	291.73	-30.5	-22.3	3635	971	-8.4	-22.9	-241.2	-188.7	9.2	-11.8	8.8
25TH	303.40	-30.3	-22.6	3635	971	-8.3	-23.3	-210.8	-166.4	7.2	-9.2	7.5
26TH	315.07	-30.1	-22.9	3635	971	-8.3	-23.6	-180.5	-143.8	5.4	-6.9	6.2
27TH	326.74	-29.7	-23.1	3635	971	-8.1	-23.8	-150.4	-120.9	3.8	-5.0	5.0
28TH	338.41	-27.7	-23.0	3635	971	-7.6	-23.7	-121.1	-97.8	2.6	-3.4	4.1
29TH	350.08	-26.0	-22.9	3635	971	-7.2	-23.6	-93.4	-74.8	1.6	-2.1	3.3
30TH	361.75	-25.1	-23.8	3635	971	-6.9	-24.5	-67.4	-51.8	.8	-1.2	2.6
PENT	373.42	-42.3	-28.0	6769	1416	-6.2	-19.8	-42.3	-28.0	.4	-.5	2.1

TABLE 7. SHEAR AND MOMENT DIAGRAMS : ONE LOGAN SQUARE -- TOWER
WIND DIRECTION 310 CONFIGURATION H REFERENCE PRESSURE 27.0 PSF GUST FACTOR 1.32

FLOOR	HEIGHT FT	X-FORCE KIPS	Y-FORCE KIPS	X-AREA SQ FT	Y-AREA SQ FT	X-PRESS PSF	Y-PRESS PSF	X-SHEAR KIPS	Y-SHEAR KIPS	X-MOMENT	Y-MOMENT 1000-FT-KIPS	Z-MOMENT
GRND	0.00	-28.0	-9.7	5331	1867	-5.3	-5.2	-1667.5	-531.4	128.0	-215.3	74.0
MECH	23.33	-47.9	-11.4	7191	2073	-6.7	-5.5	-1039.4	-521.7	115.7	-190.7	73.0
3RD	46.66	-26.8	-6.8	3635	971	-7.4	-6.6	-991.6	-510.3	103.7	-167.0	70.7
4TH	58.33	-28.3	-6.7	3635	971	-7.8	-6.9	-964.8	-504.3	97.7	-155.6	68.9
5TH	70.00	-29.8	-7.2	3635	971	-8.2	-7.4	-936.5	-497.3	91.9	-144.6	66.9
6TH	81.67	-31.1	-8.2	3635	971	-8.5	-8.5	-906.7	-490.1	86.1	-133.7	64.8
7TH	93.34	-32.3	-8.9	3635	971	-8.8	-8.9	-875.7	-481.9	80.5	-123.3	62.4
8TH	105.01	-33.3	-10.2	3635	971	-9.2	-9.6	-843.6	-472.6	74.9	-113.3	60.8
9TH	116.68	-34.5	-11.3	3635	971	-9.5	-10.6	-810.3	-462.4	69.4	-103.6	58.0
10TH	128.35	-35.6	-12.3	3635	971	-9.8	-11.6	-775.8	-451.1	64.1	-94.4	55.5
11TH	140.02	-36.5	-13.3	3635	971	-10.0	-12.7	-740.2	-438.5	58.9	-85.5	52.5
12TH	151.69	-37.5	-14.4	3635	971	-10.3	-13.8	-703.7	-425.5	53.9	-77.1	49.5
13TH	163.36	-38.1	-15.5	3635	971	-10.5	-14.9	-666.4	-411.6	49.0	-69.1	46.3
14TH	175.03	-39.1	-16.5	3635	971	-10.7	-15.9	-628.3	-395.1	44.3	-61.6	43.0
15TH	186.70	-39.8	-17.6	3635	971	-10.9	-17.0	-589.6	-379.3	39.8	-54.5	40.7
16TH	198.37	-39.8	-18.6	3635	971	-10.9	-18.1	-549.8	-361.5	35.5	-47.8	37.7
17TH	210.04	-39.3	-19.3	3635	971	-10.8	-19.0	-509.7	-342.9	31.4	-41.6	34.7
18TH	221.71	-38.7	-20.1	3635	971	-10.7	-19.9	-470.4	-323.6	27.3	-35.8	31.8
19TH	233.38	-38.2	-20.9	3635	971	-10.5	-20.7	-431.7	-303.5	23.3	-30.7	29.1
20TH	245.05	-37.7	-21.4	3635	971	-10.4	-21.3	-393.5	-282.8	19.4	-25.8	26.4
21ST	256.72	-37.7	-22.1	3635	971	-10.4	-21.9	-355.8	-261.4	15.6	-21.4	23.8
22ND	268.39	-36.5	-22.8	3635	971	-10.0	-22.6	-318.1	-239.5	11.9	-17.4	21.3
23RD	280.06	-36.0	-23.1	3635	971	-9.9	-22.8	-282.1	-217.0	8.4	-14.0	19.0
24TH	291.73	-35.5	-23.7	3635	971	-9.8	-23.4	-246.3	-194.2	5.0	-10.8	16.8
25TH	303.40	-35.0	-24.0	3635	971	-9.6	-23.7	-211.0	-171.1	1.8	-8.0	14.8
26TH	315.07	-34.6	-24.2	3635	971	-9.5	-23.9	-175.9	-147.4	-1.2	-5.6	12.9
27TH	326.74	-32.9	-24.0	3635	971	-9.1	-23.7	-141.3	-123.5	-4.1	-3.4	11.2
28TH	338.41	-29.6	-24.2	3635	971	-8.1	-23.9	-108.4	-99.8	-6.7	-1.6	9.7
29TH	350.08	-26.3	-23.8	3635	971	-7.2	-23.4	-78.8	-76.0	-8.8	-0.1	8.4
30TH	361.75	-22.9	-23.3	3635	971	-6.3	-23.0	-52.5	-52.6	-10.4	1.1	7.3
PENT	373.42	-29.5	-25.6	6769	1416	-4.4	-18.1	-29.5	-29.5	-11.6	2.0	6.2

TABLE 7. SHEAR AND MOMENT DIAGRAMS : ONE LOGAN SQUARE -- TOWER
WIND DIRECTION 320 CONFIGURATION A REFERENCE PRESSURE 37.0 PSF GUST FACTOR 1.32

FLOOR	HEIGHT FT	X-FORCE KIPS	Y-FORCE KIPS	X-AREA SQ FT	Y-AREA SQ FT	X-PRESS PSF	Y-PRESS PSF	X-SHEAR KIPS	Y-SHEAR KIPS	X-MOMENT	Y-MOMENT 1000-FT-KIPS	Z-MOMENT
GRND	0.00	-45.3	-6.6	5331	1867	-8.5	-3.5	-1444.6	-438.4	108.1	-286.3	89.9
MECH	23.33	-71.1	-7.6	7191	2073	-9.9	-3.7	-1399.4	-431.7	97.9	-253.1	88.9
3RD	46.66	-39.1	-4.5	3635	971	-10.8	-4.6	-1328.3	-424.1	88.0	-221.3	85.4
4TH	58.33	-40.6	-4.8	3635	971	-11.2	-5.0	-1289.2	-419.6	83.0	-206.0	83.5
5TH	70.00	-42.0	-5.3	3635	971	-11.6	-5.4	-1248.7	-414.8	78.2	-191.2	81.4
6TH	81.67	-43.5	-6.0	3635	971	-12.0	-6.2	-1206.6	-409.5	73.4	-176.9	79.1
7TH	93.34	-45.0	-6.7	3635	971	-12.4	-6.9	-1163.1	-403.5	68.6	-163.0	76.6
8TH	105.01	-46.5	-7.5	3635	971	-12.8	-7.7	-1118.1	-396.8	63.9	-149.7	74.1
9TH	116.68	-48.0	-8.2	3635	971	-13.2	-8.5	-1071.6	-389.3	59.4	-136.9	71.4
10TH	128.35	-49.4	-8.9	3635	971	-13.6	-9.2	-1023.6	-381.1	54.9	-124.7	68.5
11TH	140.02	-49.3	-10.1	3635	971	-13.6	-10.4	-974.2	-372.2	50.5	-113.1	65.7
12TH	151.69	-48.9	-11.2	3635	971	-13.5	-11.5	-924.9	-362.1	46.2	-102.1	62.7
13TH	163.36	-48.6	-12.3	3635	971	-13.4	-12.6	-875.9	-350.9	42.0	-91.7	59.8
14TH	175.03	-48.2	-13.3	3635	971	-13.3	-13.7	-827.4	-338.6	38.0	-81.9	56.8
15TH	186.70	-47.8	-14.4	3635	971	-13.2	-14.9	-779.2	-325.3	34.1	-72.8	53.7
16TH	198.37	-48.0	-15.5	3635	971	-13.2	-15.9	-731.4	-310.8	30.4	-63.3	50.7
17TH	210.04	-48.9	-16.4	3635	971	-13.5	-16.8	-683.4	-295.4	26.9	-55.1	47.6
18TH	221.71	-49.8	-17.2	3635	971	-13.7	-17.7	-634.5	-279.0	23.5	-47.0	44.5
19TH	233.38	-50.7	-18.1	3635	971	-14.0	-18.6	-584.7	-261.8	20.4	-40.0	41.4
20TH	245.05	-51.6	-19.0	3635	971	-14.2	-19.5	-534.0	-243.7	17.4	-33.7	38.2
21ST	256.72	-52.5	-19.9	3635	971	-14.5	-20.4	-482.4	-224.8	14.7	-27.9	35.1
22ND	268.39	-51.6	-20.2	3635	971	-14.2	-20.8	-429.8	-204.8	12.2	-22.7	31.9
23RD	280.06	-50.7	-20.3	3635	971	-14.0	-20.9	-378.2	-184.6	9.9	-17.8	28.6
24TH	291.73	-49.8	-20.4	3635	971	-13.7	-21.0	-327.4	-164.3	7.8	-13.5	25.4
25TH	303.40	-48.9	-20.5	3635	971	-13.5	-21.1	-277.6	-143.9	5.9	-10.7	22.2
26TH	315.07	-48.0	-20.5	3635	971	-13.2	-21.1	-228.7	-123.4	4.3	-8.4	19.0
27TH	326.74	-45.7	-20.5	3635	971	-12.6	-21.1	-180.6	-102.9	3.1	-6.5	15.8
28TH	338.41	-41.5	-20.2	3635	971	-11.4	-20.8	-134.9	-82.4	2.1	-4.9	12.5
29TH	350.08	-37.3	-20.0	3635	971	-10.3	-20.6	-93.4	-62.2	1.3	-3.7	9.2
30TH	361.75	-33.2	-19.8	3635	971	-9.1	-20.4	-56.1	-42.2	.7	-2.7	6.0
PENT	373.42	-22.9	-22.4	6769	1416	-3.4	-15.8	-22.9	-22.4	.3	-1.9	2.9

TABLE 7. SHEAR AND MOMENT DIAGRAMS : ONE LOGAN SQUARE -- TOWER
WIND DIRECTION 330 CONFIGURATION A REFERENCE PRESSURE 37.0 PSF GUST FACTOR 1.32

FLOOR	HEIGHT	X-FORCE	Y-FORCE	XSHEAR	YSHEAR	X-PSF**	Y-PSF**	X-RYFS*	Y-RYFS*	X-MOMENT	YSHEAR*HEIGHT	X-MOMENT
GRND	0.00	-63.7	.1	5331	1867	-11.9	.1	-1735.4	-148.9	43.2	-349.9	91.8
MECH	23.33	-82.8	.8	7191	2073	-11.5	.4	-1671.7	-148.1	39.8	-310.1	90.3
3RD	46.66	-43.3	-.0	3635	971	-11.9	-.0	-1588.9	-148.9	36.6	-272.1	87.2
4TH	58.33	-43.9	.1	3635	971	-12.1	.1	-1545.6	-148.9	34.6	-253.8	85.5
5TH	70.00	-45.2	.1	3635	971	-12.4	.1	-1501.8	-149.0	32.8	-236.0	83.7
6TH	81.67	-47.0	-.1	3635	971	-12.9	-.1	-1456.6	-149.0	31.0	-218.8	81.6
7TH	93.34	-48.8	-.2	3635	971	-13.4	-.2	-1409.6	-149.0	29.4	-202.0	79.5
8TH	105.01	-50.6	-.4	3635	971	-13.9	-.4	-1360.8	-148.8	27.9	-185.9	77.2
9TH	116.68	-52.4	-.6	3635	971	-14.4	-.6	-1310.2	-148.7	26.5	-170.3	74.7
10TH	128.35	-54.2	-.8	3635	971	-14.9	-.8	-1257.8	-148.7	25.2	-155.3	72.1
11TH	140.02	-55.5	-1.6	3635	971	-15.3	-1.6	-1203.6	-147.9	24.0	-140.2	69.3
12TH	151.69	-56.4	-2.4	3635	971	-15.5	-2.4	-1148.3	-145.4	22.9	-127.2	66.4
13TH	163.36	-57.4	-3.1	3635	971	-15.8	-3.2	-1091.8	-143.0	21.9	-114.7	63.5
14TH	175.03	-58.4	-3.9	3635	971	-16.1	-4.0	-1034.4	-139.9	21.0	-101.7	60.5
15TH	186.70	-59.4	-4.6	3635	971	-16.3	-4.8	-976.0	-136.0	20.1	-90.0	57.4
16TH	198.37	-60.2	-5.3	3635	971	-16.5	-5.4	-916.6	-131.4	19.3	-79.0	54.2
17TH	210.04	-61.0	-5.7	3635	971	-16.8	-5.8	-856.5	-126.1	18.5	-68.6	50.9
18TH	221.71	-61.9	-6.0	3635	971	-17.0	-6.2	-795.4	-120.4	17.8	-59.0	47.6
19TH	233.38	-62.7	-6.4	3635	971	-17.3	-6.6	-733.6	-114.4	17.1	-50.1	44.3
20TH	245.05	-63.6	-6.8	3635	971	-17.5	-7.0	-670.8	-108.2	16.4	-41.9	40.9
21ST	256.72	-64.5	-7.1	3635	971	-17.7	-7.4	-607.2	-101.2	15.8	-34.7	37.5
22ND	268.39	-64.3	-7.4	3635	971	-17.7	-7.8	-542.8	-94.1	15.2	-27.7	34.1
23RD	280.06	-64.2	-7.6	3635	971	-17.7	-7.8	-478.4	-86.7	14.6	-21.7	30.7
24TH	291.73	-64.1	-7.8	3635	971	-17.6	-8.1	-414.2	-79.1	14.0	-16.5	27.2
25TH	303.40	-64.0	-8.1	3635	971	-17.6	-8.3	-350.1	-71.3	13.4	-12.1	23.7
26TH	315.07	-63.9	-8.3	3635	971	-17.6	-8.5	-286.1	-63.2	12.9	-8.4	20.1
27TH	326.74	-61.1	-8.6	3635	971	-16.8	-8.7	-222.7	-54.9	12.3	-5.2	16.5
28TH	338.41	-54.7	-9.4	3635	971	-15.1	-9.7	-161.1	-46.3	11.8	-3.2	13.1
29TH	350.08	-48.3	-10.2	3635	971	-13.3	-10.5	-106.4	-36.8	11.3	-1.6	9.8
30TH	361.75	-41.9	-11.1	3635	971	-11.5	-11.4	-58.1	-26.6	10.8	-.6	6.8
PENT	373.42	-16.2	-15.5	6769	1416	-2.4	-10.9	-16.2	-15.5	10.2	-.2	4.1

TABLE 7. SHEAR AND MOMENT DIAGRAMS : ONE LOGAN SQUARE -- TOWER
WIND DIRECTION 340 CONFIGURATION A REFERENCE PRESSURE 37.0 PSF GUST FACTOR 1.32

FLOOR	HEIGHT FT	X-FORCE KIPS	Y-FORCE KIPS	X-AREA SQ FT	Y-AREA SQ FT	X-PRESS PSF	Y-PRESS PSF	X-SHEAR KIPS	Y-SHEAR KIPS	X-MOMENT 1000-FT-KIPS	Y-MOMENT 1000-FT-KIPS	Z-MOMENT 1000-FT-KIPS
GRND	0.00	-78.8	7.0	5331	1867	-14.8	3.8	-1978.0	182.9	-32.8	-398.6	86.4
MECH	23.33	-94.6	8.8	7191	2073	-13.1	4.3	-1899.2	175.9	-28.6	-353.4	85.0
3RD	46.66	-48.6	4.2	3635	971	-13.4	4.4	-1804.7	167.0	-24.6	-310.2	82.2
4TH	58.33	-49.0	4.7	3635	971	-13.5	4.8	-1756.1	162.8	-22.7	-289.4	80.7
5TH	70.00	-50.2	5.1	3635	971	-13.8	5.2	-1707.0	158.1	-20.8	-269.2	79.1
6TH	81.67	-52.0	5.5	3635	971	-14.3	5.7	-1656.9	153.0	-19.0	-249.6	77.1
7TH	93.34	-53.8	6.0	3635	971	-14.8	6.2	-1604.9	147.5	-17.2	-230.5	75.1
8TH	105.01	-55.6	6.5	3635	971	-15.3	6.7	-1551.2	141.5	-15.5	-212.1	73.0
9TH	116.68	-57.3	6.9	3635	971	-15.8	7.1	-1495.6	135.0	-13.9	-194.2	70.8
10TH	128.35	-59.2	7.4	3635	971	-16.3	7.6	-1438.3	128.1	-12.4	-177.0	68.5
11TH	140.02	-61.3	7.5	3635	971	-16.9	7.7	-1379.1	120.7	-10.9	-160.8	66.3
12TH	151.69	-63.2	7.8	3635	971	-17.4	8.0	-1317.9	113.0	-9.6	-145.0	63.1
13TH	163.36	-65.2	8.1	3635	971	-17.9	8.3	-1254.6	105.1	-8.3	-130.0	60.7
14TH	175.03	-67.2	8.3	3635	971	-18.5	8.6	-1189.4	97.0	-7.1	-115.8	57.6
15TH	186.70	-69.2	8.6	3635	971	-19.0	8.9	-1122.2	88.4	-6.0	-102.6	54.6
16TH	198.37	-70.7	8.7	3635	971	-19.5	8.9	-1053.0	80.0	-5.0	-89.7	51.6
17TH	210.04	-71.7	8.7	3635	971	-19.7	8.9	-982.3	71.5	-4.2	-77.7	48.4
18TH	221.71	-72.7	8.7	3635	971	-20.0	8.9	-910.6	63.1	-3.4	-66.5	45.2
19TH	233.38	-73.7	7.7	3635	971	-20.3	7.9	-837.9	55.0	-2.7	-56.1	42.0
20TH	245.05	-74.6	6.7	3635	971	-20.5	6.9	-764.2	48.6	-2.1	-47.1	38.7
21ST	256.72	-75.6	6.2	3635	971	-20.8	6.4	-689.6	41.9	-1.5	-38.6	35.3
22ND	268.39	-74.7	6.1	3635	971	-20.6	6.2	-613.9	35.7	-1.1	-31.0	32.0
23RD	280.06	-73.8	6.0	3635	971	-20.3	6.1	-539.2	29.6	-.7	-24.3	28.6
24TH	291.73	-72.9	5.9	3635	971	-20.1	6.1	-465.4	23.6	-.4	-18.4	25.3
25TH	303.40	-72.0	5.8	3635	971	-19.8	6.0	-392.5	17.7	-.2	-13.3	21.9
26TH	315.07	-71.1	5.7	3635	971	-19.6	5.9	-320.5	11.9	-.1	-9.0	18.5
27TH	326.74	-68.1	5.3	3635	971	-18.7	5.4	-249.3	6.2	.0	-5.3	15.1
28TH	338.41	-62.0	3.6	3635	971	-17.1	3.7	-181.2	1.0	.1	-2.4	11.9
29TH	350.08	-56.0	2.0	3635	971	-15.4	2.1	-119.2	-2.7	.1	-.9	8.5
30TH	361.75	-49.9	.3	3635	971	-13.7	.3	-63.2	-4.7	.1	-.2	5.2
PENT	373.42	-13.3	-5.0	6769	1416	-2.0	-3.5	-13.3	-5.0	.1	.1	2.9

TABLE 7. SHEAR AND MOMENT DIAGRAMS : ONE LOGAN SQUARE -- TOWER
WIND DIRECTION 350 CONFIGURATION A REFERENCE PRESSURE 37.0 PSF GUST FACTOR 1.32

FLOOR	HEIGHT FT	X-FORCE KIPS	Y-FORCE KIPS	X-AREA SQ FT	Y-AREA SQ FT	X-PRESS PSF	Y-PRESS PSF	X-SHEAR KIPS	Y-SHEAR KIPS	X-MOMENT	Y-MOMENT 1000-FT-KIPS	Z-MOMENT
GRND	0.00	-101.1	11.7	5331	1867	-19.0	6.2	-2262.2	465.3	-96.7	-453.0	79.3
MECH	23.33	-111.5	18.5	7191	2073	-15.5	8.9	-2161.1	453.7	-85.9	-401.4	77.5
3RD	46.66	-55.2	9.4	3635	971	-15.2	9.7	-2049.5	435.2	-75.6	-352.3	75.1
4TH	58.33	-54.5	10.2	3635	971	-15.0	10.5	-1994.3	425.8	-70.6	-328.7	73.8
5TH	70.00	-55.5	11.1	3635	971	-15.3	11.4	-1939.8	415.6	-65.6	-305.7	72.3
6TH	81.67	-58.0	12.0	3635	971	-15.9	12.4	-1884.3	404.5	-60.9	-283.4	70.6
7TH	93.34	-60.5	13.0	3635	971	-16.6	13.3	-1826.4	392.5	-56.2	-261.8	68.8
8TH	105.01	-63.0	13.9	3635	971	-17.3	14.3	-1765.9	379.5	-51.7	-240.8	66.8
9TH	116.68	-65.5	14.8	3635	971	-18.0	15.3	-1703.0	365.6	-47.4	-220.6	64.7
10TH	128.35	-68.0	15.8	3635	971	-18.7	16.2	-1637.5	350.7	-43.2	-201.3	62.4
11TH	140.02	-70.4	16.9	3635	971	-19.4	16.4	-1569.5	335.0	-39.2	-182.3	60.5
12TH	151.69	-72.8	16.1	3635	971	-20.0	16.6	-1499.1	319.0	-35.4	-164.4	57.9
13TH	163.36	-75.2	16.2	3635	971	-20.7	16.7	-1426.3	302.9	-31.7	-147.4	54.9
14TH	175.03	-77.6	16.4	3635	971	-21.3	16.9	-1351.0	286.7	-28.3	-131.2	52.3
15TH	186.70	-80.0	16.5	3635	971	-22.0	17.0	-1273.5	270.3	-25.0	-115.9	49.3
16TH	198.37	-81.4	16.7	3635	971	-22.4	17.2	-1193.5	253.7	-22.0	-101.5	46.3
17TH	210.04	-81.9	17.0	3635	971	-22.5	17.5	-1112.1	237.0	-19.1	-88.0	43.2
18TH	221.71	-82.5	17.2	3635	971	-22.7	17.8	-1030.1	220.0	-16.5	-75.0	40.1
19TH	233.38	-83.0	17.5	3635	971	-22.8	18.0	-947.7	202.8	-14.0	-64.0	37.1
20TH	245.05	-83.6	17.8	3635	971	-23.0	18.3	-864.6	185.3	-11.7	-53.4	34.0
21ST	256.72	-84.1	18.0	3635	971	-23.1	18.6	-781.1	167.5	-9.7	-43.8	30.8
22ND	268.39	-83.7	17.9	3635	971	-23.0	18.4	-697.0	149.5	-7.8	-35.2	27.6
23RD	280.06	-83.2	17.6	3635	971	-22.9	18.1	-613.3	131.6	-6.2	-27.5	24.4
24TH	291.73	-82.8	17.3	3635	971	-22.8	17.8	-530.1	114.0	-4.7	-20.8	21.3
25TH	303.40	-82.4	17.0	3635	971	-22.7	17.5	-447.3	96.7	-3.5	-15.1	18.2
26TH	315.07	-82.0	16.7	3635	971	-22.5	17.2	-364.9	79.7	-2.5	-10.4	15.2
27TH	326.74	-78.7	16.1	3635	971	-21.6	16.6	-283.0	63.0	-1.6	-6.6	12.2
28TH	338.41	-71.3	14.7	3635	971	-19.6	15.1	-204.3	46.9	-1.0	-3.8	9.3
29TH	350.08	-64.0	13.2	3635	971	-17.6	13.6	-133.0	32.3	-.5	-1.8	6.6
30TH	361.75	-56.7	11.8	3635	971	-15.6	12.1	-69.0	19.3	-.2	-.6	4.0
PENT	373.42	-12.3	7.3	6769	1416	-1.8	5.1	-12.3	7.3	-.1	-.2	1.6

TABLE 7. SHEAR AND MOMENT DIAGRAMS : ONE LOGAN SQUARE -- HOTEL
WIND DIRECTION 0 CONFIGURATION A REFERENCE PRESSURE 37.0 PSF GUST FACTOR 1.32

FLOOR	HEIGHT FT	X-FORCE KIPS	Y-FORCE KIPS	X-AREA SQ FT	Y-AREA SQ FT	X-PRESS PSF	Y-PRESS PSF	X-SHEAR KIPS	Y-SHEAR KIPS	X-MOMENT 1000-FT-KIPS	Y-MOMENT 1000-FT-KIPS	Z-MOMENT 1000-FT-KIPS
GRND	0.00	7.2	7.9	1822	1316	4.0	6.0	14.5	14.7	-.7	-.7	4.7
LBBY	5.50	11.2	3.2	6293	4545	1.8	.7	7.3	6.7	-.7	-.8	4.3
2ND	24.50	13.8	-7.7	3683	1707	3.7	-4.5	-4.0	3.5	-.6	-.8	3.4
3RD	33.67	5.0	-2.7	3683	1707	1.3	-1.6	-17.7	11.3	-.5	-.7	3.1
4TH	42.84	-2.6	1.9	3683	1707	-.7	1.1	-22.7	13.9	-.4	-.5	2.9
5TH	52.01	-4.7	2.4	3683	1707	-1.3	1.4	-20.1	12.0	-.3	-.3	2.8
6TH	61.18	-5.8	3.0	3884	1800	-1.5	1.7	-15.5	9.7	-.2	-.2	2.3
7TH	70.85	-6.2	3.5	3815	1768	-1.6	2.0	-9.6	6.7	-.1	-.0	1.6
8TH	80.35	-6.6	1.0	3756	1702	-1.7	.6	-3.4	3.2	-.0	.0	.8
ROOF	89.85	2.3	2.0	1149	852	2.0	2.4	3.2	2.2	-.0	.0	-.0
PENT	101.85	.9	.2	208	154	4.2	1.3	.9	.2	-.0	.0	-.0

TABLE 7. SHEAR AND MOMENT DIAGRAMS : ONE LOGAN SQUARE -- HOTEL
WIND DIRECTION 10 CONFIGURATION A REFERENCE PRESSURE 37.0 PSF GUST FACTOR 1.32

FLOOR	HEIGHT FT	X-FORCE KIPS	Y-FORCE KIPS	X-AREA SQ FT	Y-AREA SQ FT	X-PRESS PSF	Y-PRESS PSF	X-SHEAR KIPS	Y-SHEAR KIPS	X-MOMENT	Y-MOMENT	Z-MOMENT
										1000-FT-KIPS		
GRND	0.00	4.9	10.3	1822	1316	2.7	7.8	22.4	44.8	-2.1	-.1	1.8
LBBY	5.50	7.9	9.3	6293	4545	1.3	2.0	17.4	34.5	-1.9	-.2	1.8
2ND	24.50	15.7	-5.8	3683	1707	4.3	-3.4	9.5	25.2	-1.4	-.5	1.8
3RD	33.67	7.9	-.1	3683	1707	2.2	-.1	-6.2	31.0	-1.1	-.5	1.8
4TH	42.84	1.1	4.9	3683	1707	.3	2.9	-14.1	31.1	-.8	-.4	1.9
5TH	52.01	-2.2	5.5	3683	1707	-.6	3.2	-15.2	26.2	-.6	-.2	1.9
6TH	61.18	-4.3	6.4	3884	1800	-1.1	3.5	-13.1	20.7	-.3	-.1	1.6
7TH	70.85	-5.9	6.9	3815	1768	-1.5	3.9	-8.7	14.3	-.2	-.0	1.2
8TH	80.35	-7.3	4.1	3756	1702	-2.0	2.4	-2.8	7.5	-.1	.0	.7
ROOF	89.85	3.5	3.1	1149	852	3.0	3.6	4.5	3.3	-.0	.0	.2
PENT	101.85	1.0	.2	208	154	5.0	1.5	1.0	.2	-.0	.0	.0

TABLE 7. SHEAR AND MOMENT DIAGRAMS : ONE LOGAN SQUARE -- HOTEL
WIND DIRECTION 20 CONFIGURATION A REFERENCE PRESSURE 37.0 PSF GUST FACTOR 1.32

FLOOR	HEIGHT FT	X-FORCE KIPS	Y-FORCE KIPS	X-AREA SQ FT	Y-AREA SQ FT	X-PRESS PSF	Y-PRESS PSF	X-SHEAR KIPS	Y-SHEAR KIPS	X-MOMENT	Y-MOMENT 1000-FT-KIPS	Z-MOMENT
GRND	0.00	4.1	11.0	1822	1316	2.3	8.4	28.4	80.3	-3.7	.7	-.2
LBBY	5.50	5.9	18.7	6293	4545	.9	4.1	24.3	69.2	-3.3	.5	-.2
2ND	24.50	13.7	-.6	3683	1707	3.7	-.3	18.4	50.5	-2.2	.1	.4
3RD	33.67	6.9	4.2	3683	1707	1.9	2.5	4.7	51.1	-1.7	.0	.7
4TH	42.84	1.6	8.4	3683	1707	.4	4.9	-2.2	46.9	-1.3	.0	.9
5TH	52.01	-.7	8.4	3683	1707	-.2	4.9	-3.8	38.5	-.9	.0	1.1
6TH	61.18	-2.1	8.9	3884	1800	-.5	5.0	-3.1	30.1	-.5	.1	.9
7TH	70.85	-3.0	8.8	3815	1768	-.8	5.0	-1.0	21.2	-.3	.1	.6
8TH	80.35	-3.5	5.4	3756	1702	-.9	3.2	2.0	12.4	-.1	.1	.2
ROOF	89.85	4.2	5.8	1149	852	3.7	6.8	5.5	7.0	-.1	.0	-.2
PENT	101.85	1.3	1.2	208	154	6.1	7.7	1.3	1.2	-.0	.0	-.1

TABLE 7. SHEAR AND MOMENT DIAGRAMS : ONE LOGAN SQUARE -- HOTEL
WIND DIRECTION 30 CONFIGURATION A REFERENCE PRESSURE 37.0 PSF GUST FACTOR 1.32

FLOOR	HEIGHT FT	X-FORCE KIPS	Y-FORCE KIPS	X-AREA SQ FT	Y-AREA SQ FT	X-PRESS PSF	Y-PRESS PSF	X-SHEAR KIPS	Y-SHEAR KIPS	X-MOMENT	Y-MOMENT 1000-FT-KIPS	Z-MOMENT
GRND	0.00	5.1	12.7	1822	1316	2.8	9.7	25.1	108.6	-5.0	.2	-4.6
LBBY	5.50	6.9	26.7	6293	4545	1.1	5.9	20.0	95.9	-4.4	.1	-4.3
2ND	24.50	14.0	3.1	3683	1707	3.8	1.8	13.1	69.2	-2.8	-.2	-2.6
3RD	33.67	7.6	6.8	3683	1707	2.1	4.0	-.9	66.2	-2.2	-.3	-1.5
4TH	42.84	2.4	10.0	3683	1707	.6	5.9	-8.5	59.4	-1.6	-.3	-.8
5TH	52.01	-1.2	10.2	3683	1707	-.3	6.0	-10.8	49.4	-1.1	-.2	-.3
6TH	61.18	-3.3	10.9	3884	1800	-.9	6.1	-9.6	39.2	-.7	-.1	-.2
7TH	70.85	-4.7	10.9	3815	1768	-1.2	6.2	-6.3	28.3	-.4	.0	-.2
8TH	80.35	-5.6	8.0	3756	1702	-1.5	4.7	-1.6	17.4	-.2	.0	-.3
ROOF	89.85	3.0	7.7	1149	852	2.6	9.0	4.0	9.3	-.1	.0	-.3
PENT	101.85	1.0	1.6	208	154	4.8	10.4	1.0	1.6	-.0	.0	-.1

TABLE 7. SHEAR AND MOMENT DIAGRAMS : ONE LOGAN SQUARE -- HOTEL
WIND DIRECTION 40 CONFIGURATION A REFERENCE PRESSURE 37.0 PSF GUST FACTOR 1.32

FLOOR	HEIGHT FT	X-FORCE KIPS	Y-FORCE KIPS	X-AREA SQ FT	Y-AREA SQ FT	X-PRESS PSF	Y-PRESS PSF	X-SHEAR KIPS	Y-SHEAR KIPS	X-MOMENT	Y-MOMENT 1000-FT-KIPS	Z-MOMENT
GRND	0.00	5.4	8.2	1822	1316	3.0	6.2	41.8	65.5	-3.3	.8	-1.9
LBBY	5.50	11.3	15.3	6293	4545	1.8	3.4	36.4	57.3	-2.9	.6	-1.8
2ND	24.50	15.6	-.8	3683	1707	4.2	-.5	25.1	42.1	-2.0	-.0	-.8
3RD	33.67	10.3	2.8	3683	1707	2.8	1.6	9.5	42.9	-1.6	-.2	-.2
4TH	42.84	5.7	6.0	3683	1707	1.6	3.5	-.8	40.1	-1.2	-.2	.3
5TH	52.01	1.5	6.1	3683	1707	.4	3.6	-6.5	34.1	-.9	-.2	.6
6TH	61.18	-1.3	6.6	3884	1800	-.3	3.7	-8.0	27.9	-.6	-.1	.5
7TH	70.85	-3.7	6.7	3815	1768	-1.0	3.8	-6.7	21.3	-.4	-.0	.3
8TH	80.35	-5.5	4.3	3756	1702	-1.5	2.5	-3.0	14.6	-.2	.0	.1
ROOF	89.85	1.8	8.4	1149	852	1.5	9.9	2.5	10.3	-.1	.0	-.2
PENT	101.85	.7	1.9	208	154	3.5	12.1	.7	1.9	-.0	.0	-.1

TABLE 7. SHEAR AND MOMENT DIAGRAMS : ONE LOGAN SQUARE -- HOTEL
WIND DIRECTION 50 CONFIGURATION A REFERENCE PRESSURE 37.0 PSF GUST FACTOR 1.32

FLOOR	HEIGHT FT	X-FORCE KIPS	Y-FORCE KIPS	X-AREA SQ FT	Y-AREA SQ FT	X-PRESS PSF	Y-PRESS PSF	X-SHEAR KIPS	Y-SHEAR KIPS	X-MOMENT	Y-MOMENT	Z-MOMENT
										1000-FT-KIPS		
GRND	0.00	4.0	4.4	1822	1316	2.2	3.4	21.7	22.7	-1.2	-.0	.3
LBBY	5.50	8.9	5.7	6293	4545	1.4	1.3	17.6	18.2	-1.1	-.1	.4
2ND	24.50	10.2	-3.2	3683	1707	2.8	-1.9	8.8	12.5	-.8	-.4	1.0
3RD	33.67	6.4	-.5	3683	1707	1.7	-.3	-1.4	15.7	-.7	-.4	1.3
4TH	42.84	3.1	2.0	3683	1707	.9	1.2	-7.8	16.2	-.5	-.4	1.4
5TH	52.01	.1	2.2	3683	1707	.0	1.3	-11.0	14.2	-.4	-.3	1.3
6TH	61.18	-2.0	2.5	3884	1800	-.5	1.4	-11.1	12.0	-.3	-.2	1.0
7TH	70.85	-3.6	2.7	3815	1768	-.9	1.5	-9.1	9.5	-.2	-.1	.6
8TH	80.35	-4.8	.9	3756	1702	-1.3	.6	-5.5	6.8	-.1	-.0	.2
ROOF	89.85	-.7	4.8	1149	852	-.7	5.6	-.8	5.8	-.0	-.0	-.1
PENT	101.85	-.0	1.0	208	154	-.0	6.8	-.0	1.0	-.0	-.0	-.1

TABLE 7. SHEAR AND MOMENT DIAGRAMS : ONE LOGAN SQUARE -- HOTEL
WIND DIRECTION 60 CONFIGURATION A REFERENCE PRESSURE 37.0 PSF GUST FACTOR 1.32

FLOOR	HEIGHT FT	X-FORCE KIPS	Y-FORCE KIPS	X-AREA SQ FT	Y-AREA SQ FT	X-PRESS PSF	Y-PRESS PSF	X-SHEAR KIPS	Y-SHEAR KIPS	X-MOMENT 1000-FT-KIPS	Y-MOMENT 1000-FT-KIPS	Z-MOMENT 1000-FT-KIPS
GRND	0.00	6.1	2.0	1822	1316	3.3	1.5	34.0	5.7	-.2	.6	.0
LBBY	5.50	13.9	4.0	6293	4545	2.2	.9	27.9	3.7	-.2	.5	-.2
2ND	24.50	7.9	-2.1	3683	1707	2.1	-1.2	14.0	-.3	-.1	.1	-.2
3RD	33.67	4.9	-.9	3683	1707	1.3	-.5	6.2	1.8	-.1	-.0	-.0
4TH	42.84	2.5	.1	3683	1707	.7	.0	1.3	2.8	-.1	-.1	.0
5TH	52.01	1.1	.2	3683	1707	.3	.1	-1.2	2.7	-.1	-.1	.1
6TH	61.18	.1	.4	3884	1800	.0	.2	-2.3	2.5	-.1	-.1	.0
7TH	70.85	-.8	.5	3815	1768	-.2	.3	-2.5	2.1	-.1	-.0	-.0
8TH	80.35	-1.3	-.5	3756	1702	-.4	-.3	-1.7	1.6	-.0	-.0	-.1
ROOF	89.85	-.4	1.7	1149	852	-.4	2.0	-.4	2.1	-.0	-.0	-.1
PENT	101.85	.0	.4	208	154	.2	2.7	.0	.4	-.0	.0	-.0

TABLE 7. SHEAR AND MOMENT DIAGRAMS : ONE LOGAN SQUARE -- HOTEL
WIND DIRECTION 70 CONFIGURATION A REFERENCE PRESSURE 37.0 PSF GUST FACTOR 1.32

FLOOR	HEIGHT FT	X-FORCE KIPS	Y-FORCE KIPS	X-AREA SQ FT	Y-AREA SQ FT	X-PRESS PSF	Y-PRESS PSF	X-SHEAR KIPS	Y-SHEAR KIPS	X-MOMENT 1000-FT-KIPS	Y-MOMENT 1000-FT-KIPS	Z-MOMENT 1000-FT-KIPS
GRND	0.00	7.3	1.0	1822	1316	4.0	.8	57.4	13.0	-.3	1.7	-1.4
LBBY	5.50	18.4	10.0	6293	4545	2.9	2.2	50.1	12.0	-.3	1.4	-1.6
2ND	24.50	9.8	.5	3683	1707	2.7	.3	31.7	2.0	-.1	.7	-1.3
3RD	33.67	7.2	.0	3683	1707	2.0	.0	21.9	1.5	-.1	.4	-1.0
4TH	42.84	5.2	-.4	3683	1707	1.4	-.3	14.7	1.5	-.1	.3	-.8
5TH	52.01	3.8	-.2	3683	1707	1.0	-.1	9.5	1.9	-.1	.1	-.6
6TH	61.18	2.8	.1	3884	1800	.7	.0	5.7	2.1	-.1	.1	-.5
7TH	70.85	1.7	.4	3815	1768	.4	.2	2.9	2.0	-.0	.0	-.4
8TH	80.35	.9	.2	3756	1702	.2	.1	1.2	1.7	-.0	.0	-.3
ROOF	89.85	.2	1.1	1149	852	.1	1.3	.3	1.4	-.0	.0	-.2
PENT	101.85	.1	.3	208	154	.6	2.2	.1	.3	-.0	.0	-.1

TABLE 7. SHEAR AND MOMENT DIAGRAMS : ONE LOGAN SQUARE -- HOTEL
WIND DIRECTION 90 CONFIGURATION A REFERENCE PRESSURE 37.0 PSF GUST FACTOR 1.32

FLOOR	HEIGHT FT	X-FORCE KIPS	Y-FORCE KIPS	X-AREA SQ FT	Y-AREA SQ FT	X-PRESS PSF	Y-PRESS PSF	X-SHEAR KIPS	Y-SHEAR KIPS	X-MOMENT 1000-FT-KIPS	Y-MOMENT 1000-FT-KIPS	Z-MOMENT 1000-FT-KIPS
GRND	0.00	4.5	-.0	1822	1316	2.5	-.0	33.2	5.1	-.2	.9	1.1
LBBY	5.50	11.9	3.3	6293	4545	1.9	.7	28.6	5.1	-.2	.7	.9
2ND	24.50	5.4	-.6	3683	1707	1.5	-.3	16.8	1.8	-.1	.3	.8
3RD	33.67	4.1	-.3	3683	1707	1.1	-.2	11.4	2.3	-.1	.2	.7
4TH	42.84	3.0	-.0	3683	1707	.8	-.0	7.3	2.6	-.1	.1	.5
5TH	52.01	2.0	.2	3683	1707	.6	.1	4.3	2.6	-.1	.0	.4
6TH	61.18	1.5	.4	3884	1800	.4	.2	2.3	2.4	-.1	.0	.2
7TH	70.85	.9	.6	3815	1768	.2	.3	.8	2.0	-.0	-.0	-.0
8TH	80.35	.5	.2	3756	1702	.1	.1	-.1	1.4	-.0	-.0	-.1
ROOF	89.85	-.5	1.0	1149	852	-.5	1.2	-.6	1.3	-.0	-.0	-.2
PENT	101.85	-.1	.3	208	154	-.3	1.8	-.1	.3	-.0	-.0	-.1

TABLE 7. SHEAR AND MOMENT DIAGRAMS : ONE LOGAN SQUARE -- HOTEL
WIND DIRECTION 90 CONFIGURATION A REFERENCE PRESSURE 37.0 PSF GUST FACTOR 1.32

FLOOR	HEIGHT FT	X-FORCE KIPS	Y-FORCE KIPS	X-AREA SQ FT	Y-AREA SQ FT	X-PRESS PSF	Y-PRESS PSF	X-SHEAR KIPS	Y-SHEAR KIPS	X-MOMENT 1000-FT-KIPS	Y-MOMENT 1000-FT-KIPS	Z-MOMENT 1000-FT-KIPS
GRND	0.00	2.2	.4	1822	1316	1.2	.3	-3.4	10.5	-.6	-.7	-.5
LBBY	5.50	4.7	1.8	6293	4545	.7	.4	-5.5	10.2	-.5	-.7	-.6
2ND	24.50	.5	-.6	3683	1707	.1	-.3	-10.2	8.3	-.4	-.5	-.3
3RD	33.67	-.2	.5	3683	1707	-.1	.3	-10.8	8.9	-.3	-.4	-.3
4TH	42.84	-.8	1.5	3683	1707	-.2	.9	-10.6	8.4	-.2	-.3	-.3
5TH	52.01	-1.4	1.6	3683	1707	-.4	1.0	-9.8	6.9	-.1	-.2	-.3
6TH	61.18	-2.0	1.8	3884	1800	-.5	1.0	-8.4	5.2	-.1	-.2	-.3
7TH	70.85	-2.4	1.9	3815	1768	-.6	1.1	-6.5	3.4	-.0	-.1	-.3
8TH	80.35	-2.6	1.1	3756	1702	-.7	.7	-4.1	1.5	-.0	-.0	-.3
ROOF	89.85	-1.3	.3	1149	852	-1.1	.4	-1.5	.4	-.0	-.0	-.2
PENT	101.85	-.2	.1	208	154	-.9	.3	-.2	.1	-.0	-.0	-.1

TABLE 7. SHEAR AND MOMENT DIAGRAMS : ONE LOGAN SQUARE -- HOTEL
WIND DIRECTION 100 CONFIGURATION A REFERENCE PRESSURE 37.0 PSF GUST FACTOR 1.32

FLOOR	HEIGHT FT	X-FORCE KIPS	Y-FORCE KIPS	X-AREA SQ FT	Y-AREA SQ FT	X-PRESS PSF	Y-PRESS PSF	X-SHEAR KIPS	Y-SHEAR KIPS	X-MOMENT	Y-MOMENT 1000-FT-KIPS	Z-MOMENT
GRND	0.00	-1.5	-1.1	1822	1316	-.8	-.9	-39.6	-.5	-.2	-2.2	-.8
LBBY	5.50	-4.5	-3.0	6293	4545	-.7	-.7	-38.1	.6	-.2	-2.0	-.8
2ND	24.50	-4.1	-1.0	3683	1707	-1.1	-.6	-33.6	3.6	-.1	-1.3	-.5
3RD	33.67	-3.4	.1	3683	1707	-.9	.0	-29.5	4.6	-.1	-1.0	-.5
4TH	42.84	-3.1	1.1	3683	1707	-.8	.7	-26.2	4.5	-.1	-.8	-.5
5TH	52.01	-3.8	1.2	3683	1707	-1.0	.7	-23.1	3.4	-.0	-.6	-.5
6TH	61.18	-4.7	1.3	3884	1800	-1.2	.7	-19.3	2.2	-.0	-.4	-.5
7TH	70.85	-5.3	1.4	3815	1768	-1.4	.8	-14.6	.9	.0	-.2	-.5
8TH	80.35	-5.9	.7	3756	1702	-1.6	.4	-9.3	-.5	.0	-.1	-.4
ROOF	89.85	-2.9	-.9	1149	852	-2.5	-1.0	-3.4	-1.1	.0	-.0	-.2
PENT	101.85	-.5	-.3	208	154	-2.5	-1.7	-.5	-.3	.0	-.0	-.1

TABLE 7. SHEAR AND MOMENT DIAGRAMS : ONE LOGAN SQUARE -- HOTEL
WIND DIRECTION 110 CONFIGURATION A REFERENCE PRESSURE 37.0 PSF GUST FACTOR 1.32

FLOOR	HEIGHT FT	X-FORCE KIPS	Y-FORCE KIPS	X-AREA SQ FT	Y-AREA SQ FT	X-PRESS PSF	Y-PRESS PSF	X-SHEAR KIPS	Y-SHEAR KIPS	X-MOMENT	Y-MOMENT 1000-FT-KIPS	Z-MOMENT
GRND	0.00	-2.0	-2.7	1822	1316	-1.1	-2.0	-45.3	-17.3	.8	-2.5	-.4
LBBY	5.50	-5.2	-5.9	6293	4545	-.8	-1.3	-43.4	-14.6	.7	-2.2	-.5
2ND	24.50	-5.2	-1.2	3683	1707	-1.4	-.7	-38.1	-8.7	.5	-1.5	-.3
3RD	33.67	-4.1	-.4	3683	1707	-1.1	-.2	-32.9	-7.5	.4	-1.1	-.3
4TH	42.84	-3.5	.5	3683	1707	-.9	.3	-28.8	-7.1	.3	-.9	-.3
5TH	52.01	-4.2	.0	3683	1707	-1.1	.0	-25.3	-7.6	.3	-.6	-.3
6TH	61.18	-5.1	-.5	3884	1800	-1.3	-.3	-21.1	-7.6	.2	-.4	-.2
7TH	70.85	-5.7	-1.0	3815	1768	-1.5	-.6	-16.0	-7.1	.1	-.2	-.2
8TH	80.35	-6.3	-2.0	3756	1702	-1.7	-1.2	-10.3	-6.1	.1	-.1	-.2
ROOF	89.85	-3.4	-3.3	1149	852	-3.0	-3.9	-4.1	-4.1	.0	-.0	-.2
PENT	101.85	-.7	-.8	208	154	-3.2	-5.3	-.7	-.8	.0	-.0	-.1

TABLE 7. SHEAR AND MOMENT DIAGRAMS : ONE LOGAN SQUARE -- HOTEL
WIND DIRECTION 120 CONFIGURATION A REFERENCE PRESSURE 37.0 PSF GUST FACTOR 1.32

FLOOR	HEIGHT FT	X-FORCE KIPS	Y-FORCE KIPS	X-AREA SQ FT	Y-AREA SQ FT	X-PRESS PSF	Y-PRESS PSF	X-SHEAR KIPS	Y-SHEAR KIPS	X-MOMENT 1000-FT-KIPS	Y-MOMENT 1000-FT-KIPS	Z-MOMENT 1000-FT-KIPS
GRND	0.00	-1.0	-3.3	1822	1316	-.6	-2.5	-23.5	-33.5	1.7	-1.5	.9
LBBY	5.50	-1.0	-8.2	6293	4545	-.2	-1.8	-22.5	-30.2	1.5	-1.4	.9
2ND	24.50	-2.9	-2.5	3683	1707	-.8	-1.4	-21.5	-22.0	1.0	-.9	.9
3RD	33.67	-1.6	-1.7	3683	1707	-.4	-1.0	-18.6	-19.5	.8	-.8	.8
4TH	42.84	-1.0	-1.0	3683	1707	-.3	-.6	-17.0	-17.8	.7	-.6	.7
5TH	52.01	-1.8	-1.6	3683	1707	-.5	-.9	-16.0	-16.9	.5	-.4	.5
6TH	61.18	-2.7	-2.3	3884	1800	-.7	-1.3	-14.2	-15.3	.4	-.3	.3
7TH	70.85	-3.4	-2.9	3815	1768	-.9	-1.6	-11.5	-13.0	.2	-.2	.2
8TH	80.35	-4.2	-3.9	3756	1702	-1.1	-2.3	-8.0	-10.1	.1	-.1	.0
ROOF	89.85	-3.2	-5.0	1149	852	-2.8	-5.9	-3.9	-6.2	.0	-.0	-.1
PENT	101.85	-.6	-1.2	208	154	-3.1	-7.6	-.6	-1.2	.0	-.0	-.0

TABLE 7. SHEAR AND MOMENT DIAGRAMS : ONE LOGAN SQUARE -- HOTEL
WIND DIRECTION 130 CONFIGURATION A REFERENCE PRESSURE 37.0 PSF GUST FACTOR 1.32

FLOOR	HEIGHT FT	X-FORCE KIPS	Y-FORCE KIPS	X-AREA SQ FT	Y-AREA SQ FT	X-PRESS PSF	Y-PRESS PSF	X-SHEAR KIPS	Y-SHEAR KIPS	X-MOMENT	Y-MOMENT	Z-MOMENT
										1000-FT-KIPS		
GRND	0.00	-.5	-4.2	1822	1316	-.3	-3.2	-27.3	-55.8	2.8	-1.7	2.7
LBBY	5.50	.1	-11.8	6293	4545	.0	-2.6	-26.9	-51.6	2.5	-1.6	2.6
2ND	24.50	-3.9	-4.7	3683	1707	-1.1	-2.7	-27.0	-39.9	1.6	-1.1	2.5
3RD	33.67	-2.8	-4.1	3683	1707	-.8	-2.4	-23.1	-35.2	1.3	-.8	2.2
4TH	42.84	-2.2	-3.5	3683	1707	-.6	-2.0	-20.3	-31.1	1.0	-.6	1.8
5TH	52.01	-2.7	-4.1	3683	1707	-.7	-2.4	-18.1	-27.6	.7	-.5	1.5
6TH	61.18	-3.4	-4.9	3884	1800	-.9	-2.7	-15.4	-23.5	.5	-.3	1.1
7TH	70.85	-3.9	-5.5	3815	1768	-1.0	-3.1	-12.1	-18.6	.3	-.2	.7
8TH	80.35	-4.5	-6.5	3756	1702	-1.2	-3.8	-8.2	-13.1	.1	-.1	.3
ROOF	89.85	-3.2	-5.5	1149	852	-2.8	-6.4	-3.7	-6.6	.0	-.0	-.0
PENT	101.85	-.5	-1.1	208	154	-2.6	-7.3	-.5	-1.1	.0	-.0	-.0

TABLE 7. SHEAR AND MOMENT DIAGRAMS : ONE LOGAN SQUARE -- HOTEL
WIND DIRECTION 140 CONFIGURATION A REFERENCE PRESSURE 37.0 PSF GUST FACTOR 1.32

FLOOR	HEIGHT FT	X-FORCE KIPS	Y-FORCE KIPS	X-AREA SQ FT	Y-AREA SQ FT	X-PRESS PSF	Y-PRESS PSF	X-SHEAR KIPS	Y-SHEAR KIPS	X-MOMENT 1000-FT-KIPS	Y-MOMENT 1000-FT-KIPS	Z-MOMENT 1000-FT-KIPS
GRND	0.00	-1.7	-5.5	1822	1316	-.9	-4.2	-59.5	-83.3	4.0	-3.4	3.6
LBBY	5.50	-4.1	-17.8	6293	4545	-.7	-3.9	-57.8	-77.7	3.6	-3.1	3.5
2ND	24.50	-7.4	-7.8	3683	1707	-2.0	-4.6	-53.7	-60.0	2.3	-2.0	3.2
3RD	33.67	-6.2	-7.2	3683	1707	-1.7	-4.2	-46.3	-52.2	1.8	-1.5	2.8
4TH	42.84	-5.7	-6.7	3683	1707	-1.5	-3.9	-40.1	-45.0	1.3	-1.1	2.3
5TH	52.01	-6.3	-7.0	3683	1707	-1.7	-4.1	-34.4	-38.3	.9	-.8	1.8
6TH	61.18	-7.3	-7.7	3884	1800	-1.9	-4.3	-28.1	-31.3	.6	-.5	1.3
7TH	70.85	-7.7	-7.9	3815	1768	-2.0	-4.5	-20.8	-23.6	.3	-.3	.9
8TH	80.35	-8.4	-8.6	3756	1702	-2.2	-5.1	-13.1	-15.7	.2	-.1	.4
ROOF	89.85	-4.0	-5.9	1149	852	-3.5	-6.9	-4.6	-7.0	.1	-.0	.0
PENT	101.85	-.6	-1.1	208	154	-2.9	-7.3	-.6	-1.1	.0	-.0	-.0

TABLE 7. SHEAR AND MOMENT DIAGRAMS : ONE LOGAN SQUARE -- HOTEL
WIND DIRECTION 150 CONFIGURATION A REFERENCE PRESSURE 37.0 PSF GUST FACTOR 1.32

FLOOR	HEIGHT FT	X-FORCE KIPS	Y-FORCE KIPS	X-AREA SQ FT	Y-AREA SQ FT	X-PRESS PSF	Y-PRESS PSF	X-SHEAR KIPS	Y-SHEAR KIPS	X-MOMENT 1000-FT-KIPS	Y-MOMENT 1000-FT-KIPS	Z-MOMENT 1000-FT-KIPS
GRND	0.00	-3.6	-5.6	1822	1316	-2.0	-4.2	-108.4	-85.2	4.3	-5.9	2.5
LBBY	5.50	-10.8	-16.3	6293	4545	-1.7	-3.6	-104.7	-79.7	3.9	-5.3	2.5
2ND	24.50	-12.6	-7.6	3683	1707	-3.4	-4.4	-94.0	-63.4	2.5	-3.4	2.8
3RD	33.67	-11.7	-7.0	3683	1707	-3.2	-4.1	-81.4	-55.8	1.9	-2.6	2.4
4TH	42.84	-11.3	-6.5	3683	1707	-3.1	-3.8	-69.7	-48.8	1.5	-1.9	2.0
5TH	52.01	-11.6	-7.2	3683	1707	-3.2	-4.2	-58.4	-42.3	1.0	-1.3	1.7
6TH	61.18	-12.7	-8.3	3884	1800	-3.3	-4.6	-46.8	-35.2	.7	-.8	1.3
7TH	70.85	-13.0	-8.9	3815	1768	-3.4	-5.0	-34.1	-26.8	.4	-.4	.9
8TH	80.35	-13.6	-9.9	3756	1702	-3.6	-5.8	-21.0	-17.9	.2	-.2	.5
ROOF	89.85	-6.4	-6.8	1149	852	-5.5	-7.9	-7.4	-8.1	.1	-.1	.1
PENT	101.85	-1.0	-1.3	208	154	-5.0	-8.5	-1.0	-1.3	.0	-.0	-.0

TABLE 7. SHEAR AND MOMENT DIAGRAMS : ONE LOGAN SQUARE -- HOTEL
WIND DIRECTION 160 CONFIGURATION A REFERENCE PRESSURE 37.0 PSF GUST FACTOR 1.32

FLOOR	HEIGHT FT	X-FORCE KIPS	Y-FORCE KIPS	X-AREA SQ FT	Y-AREA SQ FT	X-PRESS PSF	Y-PRESS PSF	X-SHEAR KIPS	Y-SHEAR KIPS	X-MOMENT 1000-FT-KIPS	Y-MOMENT 1000-FT-KIPS	Z-MOMENT 1000-FT-KIPS
GRND	0.00	-3.6	-6.2	1822	1316	-2.0	-4.7	-122.1	-99.4	5.0	-6.8	2.2
LBBY	5.50	-10.4	-19.2	6293	4545	-1.7	-4.2	-118.5	-93.2	4.4	-6.2	2.3
2ND	24.50	-14.1	-9.1	3683	1707	-3.8	-5.4	-108.1	-74.0	2.9	-4.0	2.6
3RD	33.67	-12.8	-8.5	3683	1707	-3.5	-5.0	-94.0	-64.9	2.2	-3.1	2.3
4TH	42.84	-12.2	-7.8	3683	1707	-3.3	-4.6	-81.2	-56.4	1.7	-2.3	1.9
5TH	52.01	-13.0	-8.5	3683	1707	-3.5	-5.0	-69.0	-48.6	1.2	-1.6	1.5
6TH	61.18	-14.7	-9.7	3804	1800	-3.8	-5.4	-56.0	-40.1	.8	-1.0	1.1
7TH	70.85	-15.5	-10.3	3815	1768	-4.1	-5.8	-41.3	-30.3	.4	-.5	.8
8TH	80.35	-16.7	-11.3	3756	1702	-4.4	-6.6	-25.7	-20.0	.2	-.2	.4
ROOF	89.85	-7.7	-7.4	1149	852	-6.7	-8.6	-9.0	-8.7	.1	-.1	.1
PENT	101.85	-1.3	-1.3	208	154	-6.2	-8.8	-1.3	-1.3	.0	-.0	-.0

TABLE 7. SHEAR AND MOMENT DIAGRAMS : ONE LOGAN SQUARE -- HOTEL
WIND DIRECTION 170 CONFIGURATION A REFERENCE PRESSURE 37.0 PSF GUST FACTOR 1.32

FLOOR	HEIGHT FT	X-FORCE KIPS	Y-FORCE KIPS	X-AREA SQ FT	Y-AREA SQ FT	X-PRESS PSF	Y-PRESS PSF	X-SHEAR KIPS	Y-SHEAR KIPS	X-MOMENT	Y-MOMENT 1000-FT-KIPS	Z-MOMENT
GRND	0.00	-3.0	-6.3	1822	1316	-1.6	-4.8	-108.8	-100.5	5.0	-6.2	1.6
LBBY	5.50	-7.8	-19.7	6293	4545	-1.2	-4.3	-105.8	-94.3	4.4	-5.6	1.8
2ND	24.50	-12.0	-9.8	3683	1707	-3.2	-5.8	-98.0	-74.6	2.8	-3.7	2.3
3RD	33.67	-11.3	-9.0	3683	1707	-3.1	-5.3	-86.0	-64.8	2.2	-2.8	2.0
4TH	42.84	-11.1	-8.2	3683	1707	-3.0	-4.8	-74.7	-55.7	1.6	-2.1	1.6
5TH	52.01	-12.1	-8.6	3683	1707	-3.3	-5.1	-63.7	-47.5	1.2	-1.5	1.2
6TH	61.18	-13.8	-9.6	3884	1800	-3.5	-5.3	-51.6	-38.9	.8	-.9	.9
7TH	70.85	-14.4	-9.8	3815	1768	-3.8	-5.6	-37.8	-29.3	.4	-.5	.6
8TH	80.35	-15.4	-10.6	3756	1702	-4.1	-6.2	-23.4	-19.5	.2	-.2	.3
ROOF	89.85	-6.8	-7.5	1149	852	-5.9	-8.8	-8.0	-8.9	.1	-.1	.1
PENT	101.85	-1.1	-1.4	208	154	-5.4	-9.1	-1.1	-1.4	.0	-.0	-.0

TABLE 7. SHEAR AND MOMENT DIAGRAMS : ONE LOGAN SQUARE -- HOTEL
WIND DIRECTION 180 CONFIGURATION A REFERENCE PRESSURE 37.0 PSF GUST FACTOR 1.32

FLOOR	HEIGHT FT	X-FORCE KIPS	Y-FORCE KIPS	X-AREA SQ FT	Y-AREA SQ FT	X-PRESS PSF	Y-PRESS PSF	X-SHEAR KIPS	Y-SHEAR KIPS	X-MOMENT 1000-FT-KIPS	Y-MOMENT 1000-FT-KIPS	Z-MOMENT 1000-FT-KIPS
GRND	0.00	-1.7	-6.4	1822	1316	-1.0	-4.8	-113.9	-113.0	5.6	-6.5	2.7
LBBY	5.50	-6.4	-20.0	6293	4545	-1.0	-4.4	-112.1	-106.6	5.0	-5.9	2.7
2ND	24.50	-12.9	-10.9	3683	1707	-3.5	-6.4	-105.7	-86.6	3.2	-3.8	3.0
3RD	33.67	-13.0	-10.9	3683	1707	-3.5	-6.4	-92.8	-75.6	2.4	-2.9	2.5
4TH	42.84	-13.4	-10.8	3683	1707	-3.6	-6.3	-79.7	-64.8	1.8	-2.1	2.1
5TH	52.01	-13.8	-10.8	3683	1707	-3.7	-6.3	-66.3	-54.0	1.3	-1.5	1.6
6TH	61.18	-14.8	-11.4	3884	1800	-3.8	-6.3	-52.6	-43.2	.8	-.9	1.2
7TH	70.85	-14.9	-11.3	3815	1768	-3.9	-6.4	-37.7	-31.7	.5	-.5	.7
8TH	80.35	-15.2	-11.5	3756	1702	-4.0	-6.8	-22.8	-20.5	.2	-.2	.4
ROOF	89.85	-6.5	-7.6	1149	852	-5.7	-8.9	-7.6	-9.0	.1	-.1	.0
PENT	101.85	-1.1	-1.4	208	154	-5.3	-9.2	-1.1	-1.4	.0	-.0	-.0

TABLE 7. SHEAR AND MOMENT DIAGRAMS : ONE LOGAN SQUARE -- HOTEL
WIND DIRECTION 190 CONFIGURATION A REFERENCE PRESSURE 37.0 PSF GUST FACTOR 1.32

FLOOR	HEIGHT FT	X-FORCE KIPS	Y-FORCE KIPS	X-AREA SQ FT	Y-AREA SQ FT	X-PRESS PSF	Y-PRESS PSF	X-SHEAR KIPS	Y-SHEAR KIPS	X-MOMENT	Y-MOMENT 1000-FT-KIPS	Z-MOMENT
GRND	0.00	-.8	-6.8	1822	1316	-.5	-5.2	-118.9	-129.7	6.4	-7.2	1.4
LBBY	5.50	-3.1	-24.0	6293	4545	-.5	-5.3	-118.0	-122.8	5.7	-6.5	1.6
2ND	24.50	-12.6	-13.4	3683	1707	-3.4	-7.8	-114.9	-98.8	3.6	-4.3	2.4
3RD	33.67	-13.2	-12.8	3683	1707	-3.6	-7.5	-102.3	-85.4	2.7	-3.3	2.0
4TH	42.84	-14.1	-12.3	3683	1707	-3.8	-7.2	-89.1	-72.6	2.0	-2.5	1.6
5TH	52.01	-14.8	-12.3	3683	1707	-4.0	-7.2	-75.0	-60.3	1.4	-1.7	1.2
6TH	61.18	-16.4	-12.9	3884	1800	-4.2	-7.1	-60.3	-48.0	.9	-1.1	.8
7TH	70.85	-16.8	-12.6	3815	1768	-4.4	-7.1	-43.9	-35.2	.5	-.6	.5
8TH	80.35	-17.5	-13.0	3756	1702	-4.7	-7.7	-27.1	-22.6	.2	-.2	.3
ROOF	89.85	-8.2	-8.1	1149	852	-7.1	-9.5	-9.6	-9.5	.1	-.1	.0
PENT	101.85	-1.4	-1.4	208	154	-6.8	-9.4	-1.4	-1.4	.0	-.0	-.0

TABLE 7. SHEAR AND MOMENT DIAGRAMS : ONE LOGAN SQUARE -- HOTEL
WIND DIRECTION 200 CONFIGURATION A REFERENCE PRESSURE 37.0 PSF GUST FACTOR 1.32

FLOOR	HEIGHT FT	X-FORCE KIPS	Y-FORCE KIPS	X-AREA SQ FT	Y-AREA SQ FT	X-PRESS PSF	Y-PRESS PSF	X-SHEAR KIPS	Y-SHEAR KIPS	X-MOMENT	Y-MOMENT	Z-MOMENT
										1000-FT-KIPS		
GRND	0.00	-.4	-3.8	1822	1316	-.2	-2.9	-114.9	-91.4	4.7	-7.1	-1.3
LBBY	5.50	-1.4	-13.6	6293	4545	-.2	-3.0	-114.5	-87.6	4.2	-6.4	-1.0
2ND	24.50	-12.4	-9.4	3683	1707	-3.4	-5.5	-113.1	-74.1	2.7	-4.3	.5
3RD	33.67	-12.8	-9.0	3683	1707	-3.5	-5.3	-100.6	-64.6	2.1	-3.3	.3
4TH	42.84	-13.2	-8.7	3683	1707	-3.6	-5.1	-87.8	-55.6	1.5	-2.4	.2
5TH	52.01	-14.3	-9.2	3683	1707	-3.9	-5.4	-74.6	-46.9	1.1	-1.7	.1
6TH	61.18	-16.2	-10.3	3884	1800	-4.2	-5.7	-60.4	-37.7	.7	-1.1	.0
7TH	70.85	-17.1	-10.7	3815	1768	-4.5	-6.0	-44.2	-27.5	.4	-.6	-.0
8TH	80.35	-18.2	-11.6	3756	1702	-4.8	-6.8	-27.1	-16.8	.1	-.2	-.1
ROOF	89.85	-7.5	-4.6	1149	852	-6.6	-5.4	-8.8	-5.2	.0	-.1	-.2
PENT	101.85	-1.3	-.6	208	154	-6.2	-3.9	-1.3	-.6	.0	-.0	-.0

TABLE 7. SHEAR AND MOMENT DIAGRAMS : ONE LOGAN SQUARE -- HOTEL
WIND DIRECTION 210 CONFIGURATION A REFERENCE PRESSURE 37.0 PSF GUST FACTOR 1.32

FLOOR	HEIGHT FT	X-FORCE KIPS	Y-FORCE KIPS	X-AREA SQ FT	Y-AREA SQ FT	X-PRESS PSF	Y-PRESS PSF	X-SHEAR KIPS	Y-SHEAR KIPS	X-MOMENT	Y-MOMENT	Z-MOMENT
										1000-FT-KIPS		
GRND	0.00	-2.6	-7.0	1822	1316	-1.4	-5.3	-148.2	-147.9	7.8	-8.3	-.6
LBBY	5.50	-8.2	-22.2	6293	4545	-1.3	-4.9	-145.5	-141.0	7.0	-7.5	-.2
2ND	24.50	-17.2	-13.5	3603	1707	-4.7	-7.9	-137.3	-118.7	4.5	-4.8	1.1
3RD	33.67	-17.3	-13.3	3683	1707	-4.7	-7.8	-120.1	-105.2	3.5	-3.7	.8
4TH	42.84	-17.7	-13.3	3683	1707	-4.8	-7.8	-102.8	-91.9	2.6	-2.6	.6
5TH	52.01	-18.6	-14.7	3683	1707	-5.0	-8.6	-85.1	-78.6	1.8	-1.8	.3
6TH	61.18	-20.1	-17.0	3884	1800	-5.2	-9.4	-66.5	-64.0	1.1	-1.1	.0
7TH	70.85	-20.2	-18.2	3815	1768	-5.3	-10.3	-46.4	-47.0	.6	-.5	-.3
8TH	80.35	-20.4	-20.0	3756	1702	-5.4	-11.7	-26.2	-28.9	.2	-.2	-.5
ROOF	89.85	-5.3	-7.9	1149	852	-4.6	-9.3	-5.8	-8.8	.1	-.0	-.7
PENT	101.85	-.5	-1.0	208	154	-2.4	-6.2	-.5	-1.0	.0	-.0	-.2

TABLE 7. SHEAR AND MOMENT DIAGRAMS : ONE LOGAN SQUARE -- HOTEL
WIND DIRECTION 220 CONFIGURATION A REFERENCE PRESSURE 37.0 PSF GUST FACTOR 1.32

FLOOR	HEIGHT FT	X-FORCE KIPS	Y-FORCE KIPS	X-AREA SQ FT	Y-AREA SQ FT	X-PRESS PSF	Y-PRESS PSF	X-SHEAR KIPS	Y-SHEAR KIPS	X-MOMENT	Y-MOMENT	Z-MOMENT
										1000-FT-KIPS		
GRND	0.00	-4.8	-11.2	1822	1316	-2.6	-8.5	-133.4	-203.1	11.0	-6.9	-3.3
LBBY	5.50	-12.3	-31.1	6293	4545	-2.0	-6.9	-128.6	-191.9	9.9	-6.2	-3.1
2ND	24.50	-15.3	-14.2	3683	1707	-4.2	-8.3	-116.3	-160.8	6.6	-3.9	-2.4
3RD	33.67	-14.7	-15.2	3683	1707	-4.0	-8.9	-101.0	-146.6	5.2	-2.9	-2.2
4TH	42.84	-15.1	-16.4	3683	1707	-4.1	-9.6	-86.3	-131.3	3.9	-2.0	-1.9
5TH	52.01	-16.7	-19.2	3683	1707	-4.5	-11.2	-71.2	-115.0	2.8	-1.3	-1.7
6TH	61.18	-18.5	-23.2	3884	1800	-4.8	-12.9	-54.5	-95.8	1.8	-.7	-1.6
7TH	70.85	-19.0	-25.9	3815	1768	-5.0	-14.6	-36.0	-72.6	1.0	-.3	-1.6
8TH	80.35	-19.4	-28.9	3756	1702	-5.2	-17.0	-17.0	-46.7	.4	-.0	-1.7
ROOF	89.85	1.1	-15.2	1149	852	.9	-17.8	2.4	-17.8	.1	.0	-1.8
PENT	101.85	1.3	-2.6	208	154	6.4	-16.7	1.3	-2.6	.0	.0	-.4

TABLE 7. SHEAR AND MOMENT DIAGRAMS : ONE LOGAN SQUARE -- HOTEL
WIND DIRECTION 230 CONFIGURATION A REFERENCE PRESSURE 37.0 PSF GUST FACTOR 1.32

FLOOR	HEIGHT FT	X-FORCE KIPS	Y-FORCE KIPS	X-AREA SQ FT	Y-AREA SQ FT	X-PRESS PSF	Y-PRESS PSF	X-SHEAR KIPS	Y-SHEAR KIPS	X-MOMENT	Y-MOMENT 1000-FT-KIPS	Z-MOMENT
GRND	0.00	-5.3	-13.6	1822	1316	-2.9	-10.4	-85.4	-237.8	12.8	-4.1	-7.8
LBBY	5.50	-10.2	-38.3	6293	4545	-1.6	-8.4	-80.1	-224.2	11.6	-3.6	-7.7
2ND	24.50	-10.5	-16.1	3683	1707	-2.8	-9.4	-69.9	-185.9	7.7	-2.2	-7.1
3RD	33.67	-8.8	-17.5	3683	1707	-2.4	-10.3	-59.4	-169.8	6.0	-1.6	-6.5
4TH	42.84	-8.8	-19.1	3683	1707	-2.4	-11.2	-50.6	-152.2	4.6	-1.1	-5.7
5TH	52.01	-10.2	-22.1	3683	1707	-2.8	-13.0	-41.8	-133.1	3.2	-.7	-4.7
6TH	61.18	-11.9	-26.7	3804	1800	-3.1	-14.8	-31.5	-111.0	2.1	-.3	-4.0
7TH	70.85	-12.6	-29.6	3815	1768	-3.3	-16.7	-19.7	-84.3	1.2	-.1	-3.3
8TH	80.35	-13.4	-32.7	3756	1702	-3.6	-19.2	-7.0	-54.7	.5	.0	-2.8
ROOF	89.85	4.3	-18.7	1149	852	3.7	-21.9	6.3	-22.0	.2	.1	-2.4
PENT	101.85	2.0	-3.3	208	154	9.7	-21.6	2.0	-3.3	.0	.0	-.5

TABLE 7. SHEAR AND MOMENT DIAGRAMS : ONE LOGAN SQUARE -- HOTEL
WIND DIRECTION 240 CONFIGURATION A REFERENCE PRESSURE 37.0 PSF GUST FACTOR 1.32

FLOOR	HEIGHT FT	X-FORCE KIPS	Y-FORCE KIPS	X-AREA SQ FT	Y-AREA SQ FT	X-PRESS PSF	Y-PRESS PSF	X-SHEAR KIPS	Y-SHEAR KIPS	X-MOMENT	Y-MOMENT 1000-FT-KIPS	Z-MOMENT
GRND	0.00	-4.9	-10.4	1822	1316	-2.7	-7.9	-57.8	-214.4	11.7	-2.7	-11.0
LBBY	5.50	-7.1	-34.6	6293	4545	-1.1	-7.6	-52.9	-204.0	10.5	-2.4	-10.4
2ND	24.50	-8.0	-15.7	3683	1707	-2.2	-9.2	-45.8	-169.4	7.0	-1.4	-8.3
3RD	33.67	-5.4	-16.2	3683	1707	-1.5	-9.5	-37.8	-153.7	5.5	-1.1	-7.2
4TH	42.84	-4.4	-16.8	3683	1707	-1.2	-9.9	-32.4	-137.5	4.2	-.7	-6.1
5TH	52.01	-6.0	-19.5	3683	1707	-1.6	-11.4	-28.0	-120.7	3.0	-.5	-5.0
6TH	61.18	-7.7	-23.5	3884	1800	-2.0	-13.1	-22.1	-101.1	2.0	-.2	-4.0
7TH	70.85	-9.0	-26.1	3815	1768	-2.3	-14.8	-14.3	-77.6	1.1	-.1	-3.2
8TH	80.35	-10.1	-29.8	3756	1702	-2.7	-17.5	-5.4	-51.5	.5	.0	-2.6
ROOF	89.85	3.2	-18.3	1149	852	2.8	-21.5	4.7	-21.7	.2	.0	-2.1
PENT	101.85	1.6	-3.4	208	154	7.5	-21.8	1.6	-3.4	.0	.0	-.5

TABLE 7. SHEAR AND MOMENT DIAGRAMS : ONE LOGAN SQUARE -- HOTEL
WIND DIRECTION 250 CONFIGURATION A REFERENCE PRESSURE 37.0 PSF GUST FACTOR 1.32

FLOOR	HEIGHT FT	X-FORCE KIPS	Y-FORCE KIPS	X-AREA SQ FT	Y-AREA SQ FT	X-PRESS PSF	Y-PRESS PSF	X-SHEAR KIPS	Y-SHEAR KIPS	X-MOMENT 1000-FT-KIPS	Y-MOMENT 1000-FT-KIPS	Z-MOMENT 1000-FT-KIPS
GRND	0.00	-3.6	-7.6	1822	1316	-2.0	-5.7	-66.5	-164.7	9.0	-3.1	-7.3
LBBY	5.50	-7.3	-26.2	6293	4545	-1.2	-5.8	-63.0	-157.1	8.1	-2.7	-6.8
2ND	24.50	-9.4	-12.2	3683	1707	-2.5	-7.2	-55.7	-131.0	5.4	-1.6	-5.2
3RD	33.67	-8.1	-12.4	3683	1707	-2.2	-7.3	-46.3	-118.7	4.2	-1.1	-4.3
4TH	42.84	-7.9	-12.8	3683	1707	-2.1	-7.5	-38.2	-106.3	3.2	-.7	-3.5
5TH	52.01	-8.6	-15.2	3683	1707	-2.3	-8.9	-30.3	-93.5	2.3	-.4	-2.8
6TH	61.18	-9.3	-18.5	3884	1800	-2.4	-10.3	-21.6	-78.3	1.5	-.2	-2.3
7TH	70.85	-9.1	-20.8	3815	1768	-2.4	-11.7	-12.4	-59.8	.8	-.0	-1.9
8TH	80.35	-9.0	-24.1	3756	1702	-2.4	-14.2	-3.3	-39.0	.4	.1	-1.7
ROOF	89.85	4.9	-12.8	1149	852	3.5	-15.0	5.7	-14.8	.1	.0	-1.5
PENT	101.85	1.7	-2.1	208	154	8.2	-13.5	1.7	-2.1	.0	.0	-.4

TABLE 7. SHEAR AND MOMENT DIAGRAMS : ONE LOGAN SQUARE -- HOTEL
WIND DIRECTION 260 CONFIGURATION A REFERENCE PRESSURE 37.0 PSF GUST FACTOR 1.32

FLOOR	HEIGHT FT	X-FORCE KIPS	Y-FORCE KIPS	X-AREA SQ FT	Y-AREA SQ FT	X-PRESS PSF	Y-PRESS PSF	X-SHEAR KIPS	Y-SHEAR KIPS	X-MOMENT	Y-MOMENT 1000-FT-KIPS	Z-MOMENT
GRND	0.00	-1.0	-7.3	1822	1316	-.6	-5.6	-34.9	-137.6	7.3	-1.7	-3.4
LBBY	5.50	-.9	-23.8	6293	4545	-.1	-5.2	-33.9	-130.2	6.6	-1.5	-3.3
2ND	24.50	-5.8	-9.6	3603	1707	-1.6	-5.6	-33.1	-106.5	4.4	-.9	-2.6
3RD	33.67	-4.8	-10.0	3603	1707	-1.3	-5.9	-27.2	-96.8	3.4	-.6	-2.1
4TH	42.84	-4.4	-10.5	3603	1707	-1.2	-6.2	-22.4	-86.8	2.6	-.4	-1.7
5TH	52.01	-5.2	-12.6	3603	1707	-1.4	-7.4	-18.1	-76.3	1.8	-.2	-1.4
6TH	61.18	-5.9	-15.4	3804	1800	-1.5	-8.6	-12.9	-63.7	1.2	-.1	-1.3
7TH	70.85	-6.1	-17.4	3815	1768	-1.6	-9.8	-6.9	-48.3	.6	.0	-1.2
8TH	80.35	-6.3	-20.1	3756	1702	-1.7	-11.8	-.8	-30.9	.3	.1	-1.3
ROOF	89.85	4.0	-9.5	1149	852	3.5	-11.2	5.5	-10.8	.1	.0	-1.4
PENT	101.85	1.5	-1.3	208	154	7.3	-8.1	1.5	-1.3	.0	.0	-.3

TABLE 7. SHEAR AND MOMENT DIAGRAMS : ONE LOGAN SQUARE -- HOTEL
WIND DIRECTION 270 CONFIGURATION A REFERENCE PRESSURE 37.0 PSF GUST FACTOR 1.32

FLOOR	HEIGHT FT	X-FORCE KIPS	Y-FORCE KIPS	X-AREA SQ FT	Y-AREA SQ FT	X-PRESS PSF	Y-PRESS PSF	X-SHEAR KIPS	Y-SHEAR KIPS	X-MOMENT	Y-MOMENT	Z-MOMENT
										1000-FT-KIPS		
GRND	0.00	2.3	-6.3	1822	1316	1.3	-4.8	7.8	-92.9	4.6	-.1	2.3
LBBY	5.50	8.3	-21.5	6293	4545	1.3	-4.7	5.5	-86.6	4.1	-.1	2.0
2ND	24.50	1.2	-6.2	3603	1707	.3	-3.6	-2.9	-65.1	2.7	-.2	.9
3RD	33.67	1.2	-5.9	3683	1707	.3	-3.4	-4.1	-58.9	2.1	-.1	.9
4TH	42.84	.4	-5.7	3683	1707	.1	-3.3	-5.3	-53.0	1.6	-.1	.7
5TH	52.01	-.9	-7.4	3683	1707	-.3	-4.3	-5.7	-47.3	1.1	-.0	.5
6TH	61.18	-2.1	-9.6	3884	1800	-.5	-5.3	-4.8	-40.0	.7	.0	.2
7TH	70.85	-3.0	-11.2	3815	1768	-.8	-6.3	-2.7	-30.4	.4	.0	-.1
8TH	80.35	-3.9	-13.9	3756	1702	-1.1	-8.2	-.2	-19.2	.1	.1	-.5
ROOF	89.85	3.1	-5.0	1149	852	2.7	-5.9	4.2	-5.3	.0	.0	-.8
PENT	101.85	1.1	-.3	208	154	5.3	-1.7	1.1	-.3	.0	.0	-.2

TABLE 7. SHEAR AND MOMENT DIAGRAMS : ONE LOGAN SQUARE -- HOTEL
WIND DIRECTION 280 CONFIGURATION A REFERENCE PRESSURE 37.0 PSF GUST FACTOR 1.32

FLOOR	HEIGHT FT	X-FORCE KIPS	Y-FORCE KIPS	X-AREA SQ FT	Y-AREA SQ FT	X-PRESS PSF	Y-PRESS PSF	X-SHEAR KIPS	Y-SHEAR KIPS	X-MOMENT	Y-MOMENT 1000-FT-KIPS	Z-MOMENT
GRND	0.00	2.1	-5.5	1822	1316	1.2	-4.1	25.5	-68.0	3.3	.8	7.5
LBBY	5.50	8.6	-15.7	6293	4545	1.4	-3.5	23.4	-62.6	3.0	.7	6.8
2ND	24.50	4.3	-3.5	3683	1707	1.2	-2.0	14.8	-46.8	1.9	.3	4.8
3RD	33.67	4.1	-3.8	3683	1707	1.1	-2.2	10.5	-43.4	1.5	.2	4.1
4TH	42.84	3.4	-4.2	3683	1707	.9	-2.5	6.4	-39.6	1.1	.1	3.5
5TH	52.01	2.0	-5.7	3683	1707	.5	-3.3	3.0	-35.4	.8	.1	2.8
6TH	61.18	.8	-7.6	3884	1800	.2	-4.2	1.1	-29.7	.5	.0	2.1
7TH	70.85	-.4	-9.0	3815	1768	-.1	-5.1	.3	-22.2	.3	.0	1.3
8TH	80.35	-1.8	-11.0	3756	1702	-.5	-6.4	.7	-13.2	.1	.0	.5
ROOF	89.85	1.9	-2.4	1149	852	1.6	-2.9	2.5	-2.2	.0	.0	-.3
PENT	101.85	.6	.2	208	154	3.0	1.6	.6	.2	-.0	.0	-.1

TABLE 7. SHEAR AND MOMENT DIAGRAMS : ONE LOGAN SQUARE -- HOTEL
WIND DIRECTION 290 CONFIGURATION A REFERENCE PRESSURE 37.0 PSF GUST FACTOR 1.32

FLOOR	HEIGHT FT	X-FORCE KIPS	Y-FORCE KIPS	X-AREA SQ FT	Y-AREA SQ FT	X-PRESS PSF	Y-PRESS PSF	X-SHEAR KIPS	Y-SHEAR KIPS	X-MOMENT	Y-MOMENT 1000-FT-KIPS	Z-MOMENT
GRND	0.00	3.0	-6.3	1822	1316	1.6	-4.8	47.7	-71.0	3.4	1.9	11.0
LBBY	5.50	10.6	-16.6	6293	4545	1.7	-3.7	44.7	-64.8	3.0	1.7	10.0
2ND	24.50	7.4	-4.2	3683	1707	2.0	-2.5	34.1	-48.2	1.9	.9	7.0
3RD	33.67	6.8	-4.5	3683	1707	1.8	-2.6	26.7	-44.0	1.5	.6	6.0
4TH	42.84	5.9	-4.9	3683	1707	1.6	-2.9	19.9	-39.5	1.1	.4	5.0
5TH	52.01	4.6	-6.0	3683	1707	1.2	-3.5	14.1	-34.6	.8	.3	4.1
6TH	61.18	3.6	-7.6	3884	1800	.9	-4.2	9.5	-28.6	.5	.2	3.1
7TH	70.85	2.4	-8.7	3815	1768	.6	-4.9	5.8	-21.0	.2	.1	2.0
8TH	80.35	1.1	-10.0	3756	1702	.3	-5.9	3.4	-12.3	.1	.0	.9
ROOF	89.85	1.9	-2.4	1149	852	1.7	-2.8	2.4	-2.3	.0	.0	-.1
PENT	101.85	.5	.1	208	154	2.3	.4	.5	.1	-.0	.0	-.1

TABLE 7. SHEAR AND MOMENT DIAGRAMS : ONE LOGAN SQUARE -- HOTEL
WIND DIRECTION 300 CONFIGURATION A REFERENCE PRESSURE 37.0 PSF GUST FACTOR 1.32

FLOOR	HEIGHT FT	X-FORCE KIPS	Y-FORCE KIPS	X-AREA SQ FT	Y-AREA SQ FT	X-PRESS PSF	Y-PRESS PSF	X-SHEAR KIPS	Y-SHEAR KIPS	X-MOMENT	Y-MOMENT 1000-FT-KIPS	Z-MOMENT
GRND	0.00	4.4	-6.3	1822	1316	2.4	-4.8	72.5	-85.6	4.0	2.8	15.5
LBBY	5.50	15.4	-20.8	6293	4545	2.4	-4.6	68.0	-79.3	3.6	2.4	14.1
2ND	24.50	12.6	-6.5	3683	1707	3.4	-3.8	52.6	-58.4	2.3	1.3	9.8
3RD	33.67	11.0	-6.1	3683	1707	3.0	-3.6	40.0	-51.9	1.7	.9	8.2
4TH	42.84	9.1	-5.8	3683	1707	2.5	-3.4	29.1	-45.9	1.3	.6	6.8
5TH	52.01	7.1	-7.0	3683	1707	1.9	-4.1	20.0	-40.0	.9	.3	5.5
6TH	61.18	5.7	-8.7	3884	1800	1.5	-4.8	12.9	-33.0	.6	.2	4.1
7TH	70.85	3.9	-9.8	3815	1768	1.0	-5.6	7.3	-24.4	.3	.1	2.7
8TH	80.35	2.0	-11.2	3756	1702	.5	-6.6	3.4	-14.5	.1	.0	1.3
ROOF	89.85	1.2	-3.1	1149	852	1.0	-3.6	1.3	-3.3	.0	.0	.0
PENT	101.85	.1	-.2	208	154	.7	-1.4	.1	-.2	.0	.0	-.0

TABLE 7. SHEAR AND MOMENT DIAGRAMS : ONE LOGAN SQUARE -- HOTEL
WIND DIRECTION 310 CONFIGURATION A REFERENCE PRESSURE 37.0 PSF GUST FACTOR 1.32

FLOOR	HEIGHT FT	X-FORCE KIPS	Y-FORCE KIPS	X-AREA SQ FT	Y-AREA SQ FT	X-PRESS PSF	Y-PRESS PSF	X-SHEAR KIPS	Y-SHEAR KIPS	X-MOMENT	Y-MOMENT	Z-MOMENT
										1000-FT-KIPS		
GRND	0.00	6.0	-6.6	1822	1316	3.3	-5.0	99.0	-95.6	4.5	3.8	18.5
LBBY	5.50	21.2	-22.4	6293	4545	3.4	-4.9	93.0	-89.1	4.0	3.3	16.9
2ND	24.30	18.4	-8.1	3683	1707	5.0	-4.7	71.8	-66.7	2.5	1.7	11.7
3RD	33.67	15.4	-7.4	3683	1707	4.2	-4.3	53.4	-58.6	1.9	1.1	9.8
4TH	42.84	12.3	-7.0	3683	1707	3.3	-4.1	38.0	-51.2	1.4	.7	8.0
5TH	52.01	9.5	-8.1	3683	1707	2.6	-4.7	25.7	-44.3	1.0	.4	6.5
6TH	61.18	7.3	-9.7	3804	1800	1.9	-5.4	16.2	-36.2	.6	.2	5.0
7TH	70.85	4.6	-10.7	3815	1768	1.2	-6.1	8.8	-26.5	.3	.1	3.3
8TH	80.35	1.9	-11.8	3756	1702	.5	-6.9	4.2	-15.8	.1	.0	1.8
ROOF	89.85	2.0	-3.6	1149	852	1.7	-4.2	2.3	-4.0	.0	.0	.2
PENT	101.85	.3	-.4	208	154	1.4	-2.7	.3	-.4	.0	.0	-.0

TABLE 7. SHEAR AND MOMENT DIAGRAMS : ONE LOGAN SQUARE -- HOTEL
WIND DIRECTION 320 CONFIGURATION A REFERENCE PRESSURE 37.0 PSF GUST FACTOR 1.32

FLOOR	HEIGHT FT	X-FORCE KIPS	Y-FORCE KIPS	X-AREA SQ FT	Y-AREA SQ FT	X-PRESS PSF	Y-PRESS PSF	X-SHEAR KIPS	Y-SHEAR KIPS	X-MOMENT	Y-MOMENT 1000-FT-KIPS	Z-MOMENT
GRND	0.00	10.2	-5.0	1822	1316	5.6	-3.8	121.7	-89.7	4.2	4.3	18.2
LBBY	5.50	30.5	-21.2	6293	4545	4.9	-4.7	111.5	-84.7	3.8	3.7	16.5
2ND	24.50	22.8	-8.8	3683	1707	6.2	-5.1	81.0	-63.5	2.3	1.9	11.0
3RD	33.67	17.6	-7.4	3683	1707	4.8	-4.3	58.2	-54.7	1.8	1.2	9.1
4TH	42.84	12.7	-6.2	3683	1707	3.4	-3.7	40.5	-47.4	1.3	.8	7.4
5TH	52.01	9.8	-7.3	3683	1707	2.7	-4.3	27.8	-41.1	.9	.5	6.0
6TH	61.18	7.8	-8.9	3884	1800	2.0	-4.9	18.1	-33.8	.6	.3	4.5
7TH	70.85	5.4	-9.9	3815	1768	1.4	-5.6	10.3	-24.9	.3	.1	3.0
8TH	80.35	3.0	-11.5	3756	1702	.8	-6.7	4.9	-15.0	.1	.0	1.5
ROOF	89.85	1.8	-3.2	1149	852	1.6	-3.7	1.9	-3.5	.0	.0	.1
PENT	101.85	.1	-.4	208	154	.5	-2.5	.1	-.4	.0	.0	-.0

TABLE 7. SHEAR AND MOMENT DIAGRAMS : ONE LOGAN SQUARE -- HOTEL
WIND DIRECTION 330 CONFIGURATION A REFERENCE PRESSURE 37.0 PSF GUST FACTOR 1.32

FLOOR	HEIGHT FT	X-FORCE KIPS	Y-FORCE KIPS	X-AREA SQ FT	Y-AREA SQ FT	X-PRESS PSF	Y-PRESS PSF	X-SHEAR KIPS	Y-SHEAR KIPS	X-MOMENT	Y-MOMENT 1000-FT-KIPS	Z-MOMENT
GRND	0.00	7.8	-1.4	1822	1316	4.3	-1.1	87.9	-67.9	3.2	2.7	16.1
LBBY	5.50	22.9	-14.8	6293	4545	3.6	-3.2	80.1	-66.4	2.8	2.3	14.8
2ND	24.50	21.1	-9.5	3603	1707	5.7	-5.6	57.2	-51.6	1.7	1.0	10.2
3RD	33.67	15.4	-7.3	3603	1707	4.2	-4.3	36.1	-42.2	1.3	.5	8.4
4TH	42.84	9.8	-5.4	3683	1707	2.7	-3.2	20.7	-34.9	.9	.3	6.9
5TH	52.01	6.2	-5.8	3683	1707	1.7	-3.4	10.9	-29.4	.6	.1	5.6
6TH	61.18	3.6	-6.4	3804	1800	.9	-3.6	4.8	-23.7	.4	.1	4.2
7TH	70.85	.9	-6.7	3815	1768	.2	-3.8	1.2	-17.2	.2	.0	2.7
8TH	80.35	-1.7	-8.2	3756	1702	-.5	-4.8	.3	-10.6	.1	.0	1.3
ROOF	89.85	1.7	-2.1	1149	852	1.5	-2.4	2.0	-2.3	.0	.0	.0
PENT	101.85	.3	-.2	208	154	1.4	-1.6	.3	-.2	.0	.0	-.0

TABLE 7. SHEAR AND MOMENT DIAGRAMS : ONE LOGAN SQUARE -- HOTEL
WIND DIRECTION 340 CONFIGURATION A REFERENCE PRESSURE 37.0 PSF GUST FACTOR 1.32

FLOOR	HEIGHT FT	X-FORCE KIPS	Y-FORCE KIPS	X-AREA SQ FT	Y-AREA SQ FT	X-PRESS PSF	Y-PRESS PSF	X-SHEAR KIPS	Y-SHEAR KIPS	X-MOMENT	Y-MOMENT	Z-MOMENT
										1000-FT-KIPS		
GRND	0.00	9.5	2.6	1822	1316	5.2	2.0	48.5	-39.4	1.8	.3	15.4
LBBY	5.50	21.8	-9.1	6293	4545	3.5	-2.0	39.0	-42.0	1.6	.1	14.2
2ND	24.50	19.1	-10.0	3683	1707	5.2	-5.9	17.2	-32.9	.9	-.4	10.0
3RD	33.67	10.4	-6.2	3683	1707	2.8	-3.7	-1.9	-22.9	.6	-.5	8.4
4TH	42.84	2.2	-2.9	3683	1707	.6	-1.7	-12.4	-16.7	.4	-.4	7.0
5TH	52.01	-1.3	-2.8	3683	1707	-.4	-1.7	-14.6	-13.8	.3	-.3	5.7
6TH	61.18	-3.5	-2.9	3884	1800	-.9	-1.6	-13.3	-10.9	.2	-.2	4.1
7TH	70.85	-5.1	-2.8	3815	1768	-1.3	-1.6	-9.8	-8.0	.1	-.1	2.5
8TH	80.35	-6.7	-5.1	3756	1702	-1.8	-3.0	-4.7	-5.2	.0	.0	1.1
ROOF	89.85	1.6	-.1	1149	852	1.4	-.1	2.1	-.1	.0	.0	-.2
PENT	101.85	.4	.0	208	154	2.1	.3	.4	.0	-.0	.0	-.1

TABLE 7. SHEAR AND MOMENT DIAGRAMS : ONE LOGAN SQUARE -- HOTEL
WIND DIRECTION 350 CONFIGURATION A REFERENCE PRESSURE 37.0 PSF GUST FACTOR 1.32

FLOOR	HEIGHT FT	X-FORCE KIPS	Y-FORCE KIPS	X-AREA SQ FT	Y-AREA SQ FT	X-PRESS PSF	Y-PRESS PSF	X-SHEAR KIPS	Y-SHEAR KIPS	X-MOMENT	Y-MOMENT 1000-FT-KIPS	Z-MOMENT
GRND	0.00	10.4	3.6	1822	1316	5.7	2.7	61.9	-26.6	.9	1.0	15.1
LBBY	5.50	24.5	-9.3	6293	4545	3.9	-2.0	51.5	-30.2	.7	.6	14.0
2ND	24.50	22.0	-11.4	3603	1707	6.0	-6.7	27.0	-21.0	.3	-.1	10.3
3RD	33.67	11.7	-6.0	3603	1707	3.2	-3.5	5.1	-9.5	.1	-.3	8.7
4TH	42.84	2.9	-1.2	3603	1707	.8	-.7	-6.6	-3.5	.1	-.2	7.3
5TH	52.01	-.7	-.8	3603	1707	-.2	-.4	-9.5	-2.4	.0	-.2	5.9
6TH	61.18	-2.6	-.4	3804	1800	-.7	-.2	-8.8	-1.6	.0	-.1	4.3
7TH	70.85	-3.9	.1	3815	1768	-1.0	.0	-6.2	-1.3	-.0	-.0	2.6
8TH	80.35	-5.2	-3.0	3756	1702	-1.4	-1.8	-2.3	-1.3	-.0	.0	1.0
ROOF	89.85	2.2	1.3	1149	852	1.9	1.5	3.0	1.7	-.0	.0	-.3
PENT	101.85	.8	.4	208	154	3.6	2.4	.8	.4	-.0	.0	-.2

TABLE 7. ONE LOGAN SQUARE -- TOWER
PROJECT 7490 CONFIGURATION A
SCALE = 300 REF. PRESSURE = 37.0
GUST FACTOR = 1.32 STANDARD FLOOR HEIGHT = 11.67
NUMBER OF SIDES = 5 NO. OF FLOORS = 31

SIDE	ANGLE	Z-AXIS
1	0.0	2.380
2	90.0	2.530
3	180.0	6.000
4	325.0	5.500
5	235.0	-2.300

FLOOR #	LABEL	HEIGHT-FT
1	GRND	23.33
2	MECH	23.33
3	3RD	11.67
4	4TH	11.67
5	5TH	11.67
6	6TH	11.67
7	7TH	11.67
8	8TH	11.67
9	9TH	11.67
10	10TH	11.67
11	11TH	11.67
12	12TH	11.67
13	13TH	11.67
14	14TH	11.67
15	15TH	11.67
16	16TH	11.67
17	17TH	11.67
18	18TH	11.67
19	19TH	11.67
20	20TH	11.67
21	21ST	11.67
22	22ND	11.67
23	23RD	11.67
24	24TH	11.67
25	25TH	11.67
26	26TH	11.67
27	27TH	11.67
28	28TH	11.67
29	29TH	11.67
30	30TH	11.67
31	PENT	25.50

TABLE 7. ONE LOGAN SQUARE -- HOTEL
PROJECT 7490 CONFIGURATION A
SCALE = 300 REF. PRESSURE = 37.0
GUST FACTOR = 1.32 STANDARD FLOOR HEIGHT = 9.17
NUMBER OF SIDES = 7 NO. OF FLOORS = 11

SIDE	ANGLE	Z-AXIS
1	0.0	3.550
2	90.0	1.500
3	180.0	7.230
4	270.0	6.350
5	270.0	6.350
6	180.0	-.500
7	325.0	5.550

FLOOR #	LABEL	HEIGHT-FT
1	GRND	5.50
2	LBBY	19.00
3	2ND	9.17
4	3RD	9.17
5	4TH	9.17
6	5TH	9.17
7	6TH	9.67
8	7TH	9.50
9	8TH	9.50
10	ROOF	12.00
11	PENT	2.17

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: CONFIGURATION A: ONE LOGAN SQUARE

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
0	1	-.197	.129	.200	-.900
0	2	-.153	.116	.210	-.648
0	3	-.197	.100	.085	-.635
0	4	-.202	.117	.174	-.725
0	5	-.179	.120	.382	-.758
0	6	-.198	.115	.168	-.745
0	7	-.202	.086	.058	-.631
0	8	-.208	.100	.129	-.622
0	9	-.124	.095	.187	-.657
0	10	-.130	.097	.217	-.525
0	11	-.186	.096	.212	-.547
0	12	-.201	.130	.333	-.692
0	13	-.242	.144	.386	-.800
0	14	-.245	.146	.441	-.729
0	15	-.229	.120	.158	-.812
0	101	-.090	.120	.383	-.673
0	102	-.053	.161	.563	-.674
0	103	.023	.179	.606	-.742
0	104	.002	.191	.685	-.666
0	105	-.033	.186	.612	-.565
0	106	-.046	.225	.867	-.743
0	107	-.072	.221	.773	-.739
0	108	-.140	.224	.850	-.769
0	109	-.174	.180	.551	-.667
0	110	-.137	.231	.778	-.894
0	111	.034	.198	.629	-.613
0	112	.051	.276	1.131	-.810
0	113	-.170	.120	.186	-.641
0	114	-.173	.109	.179	-.563
0	115	-.228	.133	.224	-.778
0	116	-.213	.137	.301	-.709
0	117	-.231	.148	.339	-.778
0	118	-.239	.129	.211	-.799
0	119	-.228	.145	.322	-.817
0	120	-.091	.089	.250	-.435
0	121	-.029	.092	.297	-.377
0	122	.033	.083	.304	-.243
0	123	.063	.117	.497	-.298
0	124	-.046	.139	.548	-.541
0	125	-.028	.137	.445	-.594
0	126	.148	.150	.740	-.411
0	127	.174	.150	.746	-.354
0	128	.202	.155	.686	-.232
0	129	.197	.134	.629	-.200
0	130	.248	.162	.795	-.236
0	131	.210	.170	.727	-.407
0	132	.102	.160	.595	-.552
0	133	-.092	.078	.195	-.383
0	134	-.012	.098	.329	-.380
0	135	.096	.116	.564	-.296
0	136	.157	.132	.665	-.316
0	137	.061	.158	.556	-.565
0	138	.077	.186	.697	-.645
0	139	.191	.163	.906	-.301
0	140	.247	.158	.913	-.216
0	141	.293	.128	.723	-.091
0	142	.346	.163	.881	-.126
0	143	.349	.179	1.000	-.187
0	144	.219	.175	.864	-.344
0	145	.028	.121	.517	-.336
0	146	-.036	.091	.305	-.337
0	147	.003	.096	.410	-.312
0	148	.102	.115	.553	-.229
0	149	.157	.115	.655	-.311
0	150	.135	.204	.826	-.809
0	151	.125	.203	.831	-.778
0	152	.228	.165	.836	-.349
0	153	.192	.132	.689	-.190
0	154	.321	.153	.964	-.096
0	155	.346	.154	.924	-.102
0	156	.336	.157	.900	-.150
0	157	.126	.127	.615	-.324
0	158	.047	.139	.572	-.447
0	159	-.013	.092	.310	-.318
0	160	.011	.095	.345	-.299
0	161	.046	.093	.464	-.217
0	162	.145	.124	.658	-.233
0	163	.074	.191	.667	-.763
0	164	.067	.188	.669	-.711
0	165	.107	.122	.549	-.376
0	166	.181	.135	.739	-.344
0	167	.258	.133	.912	-.127
0	168	.274	.143	.902	-.139
0	169	.245	.138	.882	-.119
0	170	.131	.157	.776	-.369
0	171	.025	.145	.603	-.468
0	172	-.076	.097	.257	-.413
0	173	-.076	.082	.204	-.347
0	174	.053	.102	.413	-.282
0	175	.104	.106	.500	-.310
0	176	.063	.150	.507	-.571
0	177	.008	.150	.605	-.581
0	178	.135	.146	.796	-.295
0	179	.176	.139	.842	-.212
0	180	.238	.135	.847	-.135
0	181	.231	.103	.591	-.081
0	182	.194	.125	.698	-.250
0	183	.084	.131	.622	-.360
0	184	-.028	.130	.475	-.532
0	185	-.044	.075	.199	-.407
0	186	-.018	.085	.257	-.421
0	187	.048	.086	.369	-.323
0	188	.067	.092	.443	-.294
0	189	.062	.095	.411	-.250
0	190	.055	.108	.470	-.309
0	191	.099	.099	.487	-.221
0	192	.090	.098	.490	-.224
0	193	.152	.087	.455	-.109
0	194	.184	.103	.539	-.135
0	195	.173	.101	.516	-.158
0	196	-.012	.100	.537	-.345
0	197	-.095	.094	.299	-.447
0	198	.103	.091	.397	-.207
0	199	.082	.087	.380	-.325
0	200	.079	.099	.413	-.406
0	201	.102	.080	.376	-.187
0	202	.123	.090	.430	-.202
0	203	.157	.093	.497	-.182
0	204	.086	.094	.364	-.250
0	205	.145	.087	.471	-.145
0	206	.152	.103	.551	-.223
0	207	-.063	.089	.253	-.392
0	208	-.070	.089	.257	-.391
0	209	-.001	.076	.261	-.271
0	210	.074	.091	.371	-.231
0	211	.088	.082	.363	-.211
0	212	.219	.108	.624	-.078
0	213	.195	.108	.679	-.092
0	214	.058	.101	.562	-.235
0	215	-.083	.097	.253	-.435
0	216	.003	.094	.354	-.323
0	217	.060	.088	.414	-.258
0	218	.026	.095	.379	-.342
0	219	.174	.100	.578	-.173
0	220	.145	.108	.544	-.263
0	221	.177	.092	.512	-.149
0	222	.249	.112	.705	-.137
0	223	.285	.117	.741	-.094
0	224	.247	.119	.744	-.133
0	225	.008	.120	.517	-.549
0	301	-.377	.180	.069	-1.326
0	302	-.289	.166	.239	-1.172
0	303	-.182	.149	.301	-.814
0	304	-.163	.133	.286	-1.056
0	305	-.184	.118	.181	-.924
0	306	-.300	.176	.296	-1.224
0	307	-.175	.145	.215	-1.097
0	308	-.338	.185	.144	-1.314
0	309	-.361	.152	.092	-1.118
0	310	-.261	.166	.298	-1.314

APPENDIX A -- PRESSURE DATA: CONFIGURATION A: ONE LOGAN SQUARE

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
0	311	-.119	.133	.300	-.739
0	312	-.159	.140	.370	-.894
0	313	-.326	.137	.061	-1.001
0	314	-.305	.159	.143	-1.139
0	315	-.269	.159	.244	-1.053
0	316	-.245	.164	.248	-.918
0	317	-.261	.145	.125	-.855
0	318	-.271	.145	.088	-.926
0	319	-.239	.146	.122	-.886
0	320	-.283	.150	.192	-1.163
0	321	-.264	.126	.160	-1.011
0	322	-.234	.155	.245	-1.215
0	323	-.207	.131	.141	-1.317
0	324	-.258	.135	.092	-1.128
0	325	-.280	.117	.040	-1.215
0	326	-.215	.127	.280	-.853
0	327	-.180	.133	.243	-1.001
0	328	-.281	.142	.110	-1.193
0	329	-.293	.120	.042	-1.002
0	330	-.240	.129	.197	-.778
0	331	-.173	.118	.216	-.669
0	332	-.224	.122	.143	-.800
0	333	-.347	.159	.035	-1.616
0	334	-.348	.162	.067	-1.188
0	335	-.233	.123	.157	-.700
0	336	-.163	.106	.229	-.596
0	337	-.170	.102	.198	-.615
0	338	-.240	.154	.136	-.983
0	339	-.267	.134	.090	-.906
0	340	-.221	.128	.142	-.806
0	341	-.024	.103	.365	-.513
0	342	-.017	.103	.448	-.479
0	343	-.108	.152	.511	-.623
0	344	-.008	.114	.495	-.366
0	345	-.060	.094	.305	-.384
0	346	-.094	.089	.227	-.408
0	401	-.146	.106	.223	-.573
0	402	-.142	.100	.180	-.525
0	403	-.152	.096	.141	-.546
0	404	-.150	.076	.092	-.443
0	405	-.130	.090	.163	-.513
0	406	-.114	.083	.179	-.414
0	407	-.112	.082	.212	-.407
0	408	-.137	.077	.121	-.644
0	409	-.134	.100	.209	-.778
0	410	-.143	.096	.173	-.770
0	411	-.143	.102	.176	-.591
0	412	-.162	.085	.106	-.595
0	413	-.143	.094	.163	-.529
0	414	-.116	.088	.210	-.389
0	415	-.116	.089	.210	-.390
0	416	-.142	.071	.105	-.375
0	417	-.118	.086	.179	-.399
0	418	-.117	.086	.174	-.391
0	419	-.115	.084	.181	-.386
0	420	-.210	.096	.116	-.557
0	421	-.169	.104	.179	-.522
0	422	-.155	.090	.161	-.498
0	423	-.141	.087	.155	-.541
0	424	-.159	.073	.113	-.412
0	425	-.123	.088	.177	-.431
0	426	-.126	.088	.160	-.437
0	427	-.124	.088	.160	-.413
0	428	-.159	.073	.082	-.403
0	429	-.125	.088	.165	-.429
0	430	-.217	.115	.126	-.712
0	431	-.203	.104	.118	-.611
0	432	-.215	.073	.030	-.476
0	433	-.158	.088	.119	-.489
0	434	-.130	.088	.198	-.434
0	435	-.116	.084	.167	-.389
0	436	-.160	.074	.077	-.455
0	437	-.120	.089	.170	-.443
0	438	-.117	.088	.181	-.451
0	439	-.212	.113	.142	-.622
0	440	-.282	.092	.017	-.673
0	441	-.204	.093	.118	-.610
0	442	-.183	.088	.126	-.468
0	443	-.141	.088	.156	-.451
0	444	-.172	.070	.063	-.419
0	445	-.128	.085	.177	-.385
0	446	-.126	.085	.160	-.375
0	447	-.123	.086	.176	-.382
0	448	-.195	.076	.081	-.460
0	449	-.213	.102	.123	-.802
0	450	-.209	.100	.122	-.682
0	451	-.211	.095	.105	-.560
0	452	-.241	.080	.046	-.562
0	453	-.156	.091	.197	-.325
0	454	-.144	.088	.196	-.480
0	455	-.140	.087	.195	-.464
0	456	-.194	.071	.027	-.404
0	457	-.146	.086	.128	-.399
0	458	-.183	.089	.092	-.492
0	459	-.180	.086	.104	-.477
0	460	-.269	.082	.041	-.615
0	461	-.195	.092	.142	-.563
0	462	-.156	.090	.168	-.507
0	463	-.155	.085	.186	-.484
0	464	-.202	.073	.039	-.510
0	465	-.153	.087	.144	-.498
0	466	-.153	.088	.158	-.484
0	467	-.145	.090	.160	-.602
0	468	-.203	.067	.005	-.457
0	469	-.152	.081	.105	-.451
0	470	-.146	.083	.123	-.533
0	471	-.141	.087	.125	-.648
0	472	-.231	.076	-.014	-.481
0	473	-.182	.091	.076	-.492
0	474	-.211	.094	.096	-.556
0	475	-.162	.092	.131	-.451
0	476	-.131	.089	.188	-.427
0	477	-.155	.084	.126	-.438
0	478	-.158	.086	.148	-.449
0	479	-.157	.086	.150	-.449
0	501	.036	.084	.346	-.263
0	502	.051	.103	.357	-.273
0	503	.048	.092	.541	-.298
0	504	.089	.096	.440	-.205
0	505	.085	.099	.488	-.353
0	506	.134	.110	.730	-.270
0	507	.158	.112	.816	-.256
0	508	.161	.120	.720	-.172
0	509	.154	.097	.547	-.155
0	510	.135	.108	.531	-.188
0	511	.083	.094	.452	-.217
0	512	.128	.101	.499	-.197
0	513	.082	.121	.518	-.268
0	514	.185	.120	.623	-.175
0	515	.194	.108	.655	-.189
0	516	.185	.104	.617	-.145
0	517	.159	.092	.610	-.111
0	518	.122	.110	.611	-.225
0	519	.026	.109	.449	-.355
0	520	.120	.098	.454	-.182
0	521	.103	.098	.503	-.302
0	522	.100	.119	.562	-.356
0	523	.176	.100	.546	-.146
0	524	.183	.102	.631	-.138
0	525	.147	.087	.537	-.106
0	526	.114	.096	.601	-.186
0	601	.059	.090	.471	-.252
0	602	.013	.096	.343	-.366
0	603	.040	.077	.318	-.232
0	604	.090	.086	.427	-.250
0	605	.023	.103	.432	-.452
0	606	.075	.089	.460	-.274
0	607	.091	.083	.388	-.222
0	608	.090	.092	.382	-.310
0	609	-.152	.111	.184	-.611

APPENDIX A -- PRESSURE DATA: CONFIGURATION A: ONE LOGAN SQUARE

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
0	610	.044	.114	.487	-.655
0	611	.071	.080	.323	-.202
0	612	-.018	.098	.369	-.353
0	613	.121	.115	.549	-.287
0	614	.113	.101	.458	-.192
0	615	.111	.094	.446	-.170
0	616	.073	.100	.447	-.241
0	617	.050	.110	.399	-.344
0	618	.020	.104	.393	-.393
0	619	.055	.101	.419	-.264
0	620	.035	.105	.468	-.294
0	621	.119	.094	.418	-.173
0	622	.190	.102	.532	-.134
0	623	.214	.103	.542	-.124
0	624	.287	.142	.840	-.120
0	625	.172	.105	.596	-.152
0	626	.045	.099	.511	-.254
0	701	.015	.084	.327	-.298
0	702	-.041	.116	.358	-.593
0	703	.084	.098	.424	-.340
0	704	.025	.107	.397	-.391
0	705	.077	.086	.390	-.219
0	706	.108	.094	.475	-.192
0	707	.166	.097	.495	-.175
0	708	-.005	.099	.313	-.394
0	709	-.047	.081	.232	-.355
0	710	.007	.085	.331	-.312
0	711	.092	.093	.413	-.241
0	712	.082	.116	.454	-.468
0	713	.167	.099	.610	-.208
0	714	.091	.094	.444	-.266
0	715	.139	.095	.499	-.223
0	716	.018	.110	.416	-.393
0	717	-.067	.084	.227	-.394
0	718	.005	.089	.276	-.356
0	719	.157	.097	.552	-.181
0	720	.291	.129	.801	-.124
0	721	-.059	.087	.309	-.491
0	722	.265	.119	.919	-.056
0	723	.307	.130	.889	-.037
0	724	.271	.115	.714	-.031
0	725	.197	.085	.567	-.110
0	726	.221	.099	.584	-.135
0	727	.109	.103	.499	-.255
0	728	.038	.071	.297	-.188
0	729	.023	.087	.379	-.339
0	801	.005	.090	.296	-.265
0	802	.012	.084	.328	-.238
0	803	.013	.072	.257	-.225
0	804	-.034	.086	.266	-.301
0	805	.020	.082	.311	-.229
0	806	.037	.082	.322	-.215
0	807	.006	.064	.226	-.203
0	808	-.023	.078	.237	-.313
0	809	.043	.075	.316	-.222
0	810	.045	.073	.290	-.208
0	811	.038	.066	.262	-.183
0	812	.009	.082	.271	-.257
0	813	.013	.082	.261	-.283
0	814	.103	.093	.504	-.155
0	815	.094	.084	.477	-.261
0	816	.036	.095	.419	-.269
0	817	.107	.095	.553	-.186
0	818	-.001	.136	.508	-.768
0	819	.164	.081	.442	-.102
0	820	.225	.116	.691	-.137
0	821	.179	.102	.520	-.205
0	822	.251	.117	.654	-.141
0	823	.251	.107	.682	-.052
0	901	.033	.091	.364	-.282
0	902	.067	.099	.346	-.306
0	903	.079	.097	.437	-.226
0	904	.080	.079	.353	-.199
0	905	.077	.094	.466	-.242
0	906	.066	.090	.405	-.285
0	907	.085	.092	.396	-.260
0	908	.056	.086	.334	-.260
0	909	.052	.090	.370	-.303
0	910	.047	.086	.304	-.221
0	911	.094	.089	.457	-.212
0	912	.075	.077	.355	-.220
0	913	-.028	.099	.326	-.425
0	914	.052	.091	.412	-.278
0	915	.013	.102	.325	-.576
0	916	.032	.083	.308	-.286
0	917	.126	.097	.520	-.190
0	918	.090	.092	.400	-.205
0	919	.094	.092	.477	-.205
0	920	.153	.088	.554	-.097
0	921	.116	.094	.574	-.188
0	922	.167	.116	.660	-.174
0	923	.283	.137	.878	-.080
0	924	.114	.087	.540	-.156
0	925	.028	.093	.365	-.295
0	1001	-.155	.076	.089	-.438
0	1002	-.041	.084	.219	-.388
0	1003	-.169	.087	.115	-.505
0	1004	.016	.092	.315	-.270
0	1005	.098	.070	.366	-.154
10	1	-.212	.119	.144	-.634
10	2	-.171	.110	.259	-.627
10	3	-.201	.098	.121	-.674
10	4	-.206	.114	.115	-.795
10	5	-.184	.111	.169	-.731
10	6	-.196	.110	.117	-.732
10	7	-.192	.090	.103	-.534
10	8	-.198	.106	.141	-.619
10	9	-.150	.095	.254	-.479
10	10	-.166	.099	.226	-.565
10	11	-.204	.092	.163	-.489
10	12	-.221	.122	.402	-.589
10	13	-.255	.126	.221	-.695
10	14	-.240	.123	.194	-.711
10	15	-.219	.108	.235	-.646
10	101	-.183	.132	.350	-.680
10	102	-.111	.166	.558	-.711
10	103	.012	.191	.654	-.767
10	104	.148	.222	.823	-.553
10	105	.043	.203	.720	-.566
10	106	-.000	.239	.819	-.608
10	107	-.048	.224	.796	-.641
10	108	-.178	.191	.776	-.735
10	109	-.231	.163	.415	-.711
10	110	-.156	.193	.695	-.758
10	111	-.076	.159	.612	-.582
10	112	-.081	.203	.781	-.742
10	113	-.195	.109	.101	-.714
10	114	-.222	.106	.137	-.676
10	115	-.225	.127	.187	-.761
10	116	-.205	.128	.192	-.730
10	117	-.244	.130	.192	-.753
10	118	-.278	.116	.176	-.862
10	119	-.231	.124	.144	-.862
10	120	-.080	.091	.342	-.373
10	121	-.008	.095	.412	-.311
10	122	.055	.093	.368	-.252
10	123	.109	.124	.581	-.275
10	124	.105	.142	.642	-.445
10	125	.032	.138	.569	-.565
10	126	.191	.144	.780	-.246
10	127	.209	.141	.774	-.236
10	128	.215	.138	.766	-.218
10	129	.143	.121	.625	-.229
10	130	.180	.141	.664	-.285
10	131	.128	.143	.635	-.358
10	132	.038	.133	.497	-.406
10	133	-.084	.084	.204	-.428
10	134	.027	.106	.414	-.410
10	135	.164	.126	.630	-.309
10	136	.233	.139	.752	-.218

APPENDIX A -- PRESSURE DATA: CONFIGURATION A: ONE LOGAN SQUARE

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
10	137	.291	.153	.688	-.422
10	138	.225	.176	.792	-.482
10	139	.293	.161	.795	-.248
10	140	.318	.156	.836	-.123
10	141	.328	.139	.789	-.060
10	142	.355	.154	.858	-.079
10	143	.328	.149	.827	-.079
10	144	.161	.130	.637	-.275
10	145	-.011	.106	.376	-.385
10	146	-.028	.087	.281	-.337
10	147	.030	.093	.344	-.309
10	148	.160	.113	.547	-.233
10	149	.200	.111	.625	-.157
10	150	.225	.160	.755	-.454
10	151	.219	.160	.763	-.447
10	152	.287	.143	.758	-.219
10	153	.273	.127	.715	-.137
10	154	.355	.149	.806	-.100
10	155	.353	.150	.883	-.067
10	156	.313	.146	.910	-.104
10	157	.084	.117	.577	-.249
10	158	.013	.125	.523	-.345
10	159	.003	.088	.325	-.286
10	160	.032	.089	.352	-.282
10	161	.083	.096	.468	-.221
10	162	.197	.124	.692	-.175
10	163	.185	.161	.707	-.532
10	164	.176	.163	.717	-.507
10	165	.215	.116	.706	-.171
10	166	.266	.128	.821	-.110
10	167	.307	.128	.766	-.067
10	168	.297	.127	.811	-.077
10	169	.230	.116	.607	-.092
10	170	.081	.115	.529	-.242
10	171	-.014	.106	.398	-.334
10	172	-.082	.088	.211	-.380
10	173	-.068	.077	.205	-.306
10	174	.091	.095	.419	-.206
10	175	.166	.104	.527	-.155
10	176	.174	.128	.653	-.338
10	177	.101	.128	.611	-.338
10	178	.185	.129	.756	-.220
10	179	.211	.125	.780	-.173
10	180	.244	.122	.796	-.086
10	181	.274	.115	.692	-.033
10	182	.210	.123	.673	-.126
10	183	.048	.110	.478	-.326
10	184	-.045	.104	.313	-.412
10	185	-.048	.086	.299	-.362
10	186	-.027	.097	.363	-.362

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
10	187	.036	.099	.365	-.297
10	188	.088	.103	.475	-.266
10	189	.098	.088	.423	-.261
10	190	.077	.103	.451	-.308
10	191	.101	.099	.470	-.332
10	192	.112	.096	.472	-.313
10	193	.166	.082	.551	-.112
10	194	.177	.098	.640	-.147
10	195	.141	.094	.554	-.161
10	196	-.043	.089	.287	-.623
10	197	-.116	.082	.184	-.501
10	198	.121	.095	.574	-.273
10	199	.110	.096	.444	-.210
10	200	.117	.099	.549	-.218
10	201	.139	.083	.409	-.137
10	202	.143	.096	.460	-.176
10	203	.172	.102	.540	-.134
10	204	.098	.102	.491	-.227
10	205	.179	.087	.533	-.096
10	206	.179	.107	.657	-.202
10	207	-.117	.092	.257	-.424
10	208	-.090	.090	.285	-.405
10	209	-.006	.084	.267	-.297
10	210	.078	.089	.410	-.253
10	211	.081	.081	.421	-.207
10	212	.268	.122	.899	-.071
10	213	.242	.104	.620	-.062
10	214	.067	.104	.502	-.296
10	215	-.086	.084	.206	-.427
10	216	.010	.099	.421	-.325
10	217	.093	.084	.383	-.226
10	218	.031	.093	.318	-.289
10	219	.160	.095	.512	-.136
10	220	.166	.104	.562	-.151
10	221	.242	.100	.603	-.095
10	222	.294	.122	.769	-.110
10	223	.321	.127	.795	-.088
10	224	.309	.128	.822	-.101
10	225	.007	.124	.511	-.503
10	301	-.279	.140	.155	-1.011
10	302	-.266	.148	.198	-.969
10	303	-.225	.148	.273	-.944
10	304	-.206	.142	.288	-.867
10	305	-.211	.134	.211	-1.028
10	306	-.253	.135	.189	-.879
10	307	-.216	.132	.228	-.761
10	308	-.222	.129	.169	-.866
10	309	-.227	.112	.084	-.860
10	310	-.250	.138	.187	-1.031
10	311	-.231	.144	.204	-.941

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
10	312	-.242	.152	.205	-1.030
10	313	-.211	.100	.118	-.719
10	314	-.223	.118	.182	-.848
10	315	-.234	.124	.127	-.976
10	316	-.264	.142	.147	-.970
10	317	-.249	.125	.128	-.905
10	318	-.214	.107	.171	-.927
10	319	-.205	.108	.164	-.982
10	320	-.228	.111	.161	-.866
10	321	-.254	.118	.141	-.898
10	322	-.263	.144	.191	-1.017
10	323	-.216	.106	.166	-.736
10	324	-.229	.106	.148	-.740
10	325	-.223	.088	.068	-.580
10	326	-.243	.117	.095	-1.060
10	327	-.232	.121	.103	-1.020
10	328	-.243	.107	.094	-.770
10	329	-.239	.094	.031	-.706
10	330	-.253	.117	.201	-.964
10	331	-.232	.113	.077	-.705
10	332	-.245	.116	.061	-.974
10	333	-.338	.138	.017	-1.051
10	334	-.340	.140	.078	-1.134
10	335	-.280	.102	.064	-.845
10	336	-.192	.096	.101	-.557
10	337	-.192	.095	.099	-.550
10	338	-.280	.135	.097	-.572
10	339	-.333	.145	.014	-.875
10	340	-.259	.130	.095	-.745
10	341	-.239	.107	.414	-.424
10	342	-.028	.108	.597	-.513
10	343	-.092	.178	.650	-.572
10	344	-.004	.122	.545	-.427
10	345	-.072	.100	.302	-.437
10	346	-.109	.095	.242	-.423
10	401	-.169	.111	.247	-.533
10	402	-.162	.104	.228	-.514
10	403	-.147	.098	.209	-.525
10	404	-.144	.084	.182	-.470
10	405	-.138	.096	.257	-.463
10	406	-.140	.093	.213	-.438
10	407	-.135	.094	.159	-.533
10	408	-.152	.083	.146	-.479
10	409	-.167	.108	.214	-.715
10	410	-.184	.102	.156	-.688
10	411	-.183	.118	.248	-.799
10	412	-.165	.086	.116	-.739
10	413	-.145	.094	.160	-.476
10	414	-.145	.090	.181	-.432
10	415	-.140	.090	.186	-.434

APPENDIX A -- PRESSURE DATA: CONFIGURATION A: ONE LOGAN SQUARE

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
10	416	-.143	.078	.134	-.428
10	417	-.137	.092	.197	-.439
10	418	-.144	.094	.192	-.448
10	419	-.137	.091	.184	-.425
10	420	-.206	.096	.096	-.633
10	421	-.184	.106	.164	-.627
10	422	-.154	.098	.174	-.498
10	423	-.131	.094	.174	-.467
10	424	-.128	.080	.161	-.411
10	425	-.137	.092	.222	-.509
10	426	-.149	.093	.180	-.556
10	427	-.135	.093	.209	-.510
10	428	-.135	.076	.162	-.401
10	429	-.138	.089	.192	-.432
10	430	-.219	.102	.101	-.607
10	431	-.197	.095	.110	-.525
10	432	-.165	.072	.072	-.429
10	433	-.137	.086	.126	-.414
10	434	-.128	.087	.211	-.415
10	435	-.135	.083	.187	-.414
10	436	-.149	.073	.094	-.436
10	437	-.145	.086	.145	-.488
10	438	-.152	.086	.138	-.492
10	439	-.217	.094	.058	-.543
10	440	-.240	.086	.071	-.585
10	441	-.188	.086	.109	-.528
10	442	-.164	.087	.169	-.496
10	443	-.129	.091	.169	-.458
10	444	-.146	.085	.189	-.413
10	445	-.165	.095	.192	-.495
10	446	-.167	.093	.149	-.506
10	447	-.158	.094	.163	-.498
10	448	-.155	.078	.079	-.423
10	449	-.209	.103	.080	-.588
10	450	-.215	.101	.068	-.567
10	451	-.201	.093	.076	-.541
10	452	-.181	.079	.121	-.447
10	453	-.147	.099	.256	-.472
10	454	-.159	.093	.168	-.482
10	455	-.166	.089	.179	-.454
10	456	-.178	.078	.089	-.444
10	457	-.178	.092	.136	-.509
10	458	-.202	.097	.114	-.580
10	459	-.192	.091	.119	-.509
10	460	-.190	.077	.084	-.458
10	461	-.182	.089	.117	-.503
10	462	-.174	.091	.167	-.505
10	463	-.165	.090	.124	-.502
10	464	-.171	.081	.089	-.435
10	465	-.170	.096	.145	-.490
10	466	-.182	.098	.140	-.531
10	467	-.168	.100	.160	-.504
10	468	-.166	.075	.133	-.422
10	469	-.165	.088	.182	-.479
10	470	-.171	.092	.174	-.570
10	471	-.160	.095	.191	-.544
10	472	-.174	.076	.144	-.434
10	473	-.176	.088	.190	-.465
10	474	-.197	.087	.131	-.481
10	475	-.180	.085	.133	-.463
10	476	-.175	.081	.073	-.467
10	477	-.169	.083	.104	-.496
10	478	-.182	.086	.099	-.528
10	479	-.179	.085	.096	-.519
10	501	.041	.089	.381	-.274
10	502	.053	.101	.561	-.315
10	503	.079	.095	.464	-.252
10	504	.107	.095	.504	-.240
10	505	.099	.107	.521	-.235
10	506	.173	.120	.721	-.119
10	507	.202	.110	.635	-.082
10	508	.185	.107	.680	-.121
10	509	.114	.096	.540	-.160
10	510	.110	.100	.589	-.227
10	511	.094	.092	.622	-.207
10	512	.123	.095	.523	-.164
10	513	.043	.113	.540	-.351
10	514	.160	.122	.721	-.211
10	515	.191	.115	.597	-.120
10	516	.178	.105	.542	-.148
10	517	.165	.095	.615	-.098
10	518	.119	.095	.503	-.166
10	519	.044	.104	.481	-.297
10	520	.121	.094	.458	-.147
10	521	.101	.101	.480	-.258
10	522	.112	.116	.546	-.324
10	523	.191	.102	.677	-.178
10	524	.186	.102	.634	-.171
10	525	.144	.098	.583	-.150
10	526	.101	.096	.497	-.179
10	601	.054	.089	.400	-.245
10	602	.008	.095	.323	-.462
10	603	.007	.083	.273	-.283
10	604	.067	.089	.359	-.246
10	605	.012	.092	.330	-.358
10	606	.038	.092	.348	-.274
10	607	.072	.085	.395	-.220
10	608	.084	.094	.495	-.261
10	609	.171	.113	.184	-.761
10	610	.009	.108	.387	-.548
10	611	.061	.087	.400	-.240
10	612	-.023	.115	.653	-.466
10	613	.142	.108	.516	-.208
10	614	.137	.099	.526	-.172
10	615	.099	.083	.404	-.193
10	616	.085	.091	.384	-.214
10	617	.076	.098	.387	-.301
10	618	.028	.094	.358	-.301
10	619	.016	.094	.432	-.435
10	620	.016	.100	.439	-.445
10	621	.131	.087	.434	-.135
10	622	.183	.098	.554	-.132
10	623	.182	.097	.546	-.152
10	624	.226	.124	.802	-.144
10	625	.170	.108	.621	-.189
10	626	.088	.116	.637	-.263
10	701	-.002	.084	.236	-.306
10	702	.007	.113	.344	-.557
10	703	.084	.095	.414	-.259
10	704	.029	.100	.343	-.319
10	705	.078	.098	.400	-.224
10	706	.112	.087	.421	-.161
10	707	.166	.102	.518	-.236
10	708	.017	.100	.366	-.457
10	709	-.039	.082	.205	-.356
10	710	.012	.084	.269	-.275
10	711	.089	.087	.378	-.190
10	712	.088	.104	.408	-.375
10	713	.199	.113	.710	-.173
10	714	.102	.100	.444	-.285
10	715	.159	.098	.642	-.155
10	716	.037	.099	.424	-.275
10	717	-.040	.087	.249	-.374
10	718	.013	.090	.344	-.362
10	719	.163	.092	.495	-.129
10	720	.302	.128	.885	-.037
10	721	-.039	.084	.245	-.330
10	722	.278	.122	.830	-.058
10	723	.295	.119	.881	-.027
10	724	.260	.111	.691	-.039
10	725	.178	.091	.503	-.125
10	726	.216	.106	.630	-.122
10	727	.128	.100	.592	-.195
10	728	.019	.071	.245	-.210
10	729	.029	.083	.302	-.274
10	801	.031	.088	.294	-.350
10	802	.016	.079	.260	-.244
10	803	.003	.072	.247	-.254
10	804	-.020	.085	.262	-.350
10	805	.029	.081	.280	-.227

APPENDIX A -- PRESSURE DATA: CONFIGURATION A: ONE LOGAN SQUARE

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
10	806	.049	.081	.320	-.191
10	807	.016	.075	.260	-.216
10	808	.000	.085	.260	-.324
10	809	.055	.083	.317	-.238
10	810	.060	.082	.322	-.232
10	811	.043	.076	.257	-.187
10	812	.036	.089	.310	-.242
10	813	.031	.089	.300	-.243
10	814	.097	.097	.428	-.254
10	815	.104	.087	.535	-.174
10	816	.047	.097	.401	-.316
10	817	.123	.094	.510	-.176
10	818	.021	.145	.507	-.559
10	819	.168	.086	.473	-.088
10	820	.249	.116	.732	-.089
10	821	.194	.102	.586	-.110
10	822	.267	.120	.694	-.096
10	823	.264	.107	.726	-.074
10	901	.035	.081	.322	-.266
10	902	.074	.094	.447	-.423
10	903	.081	.094	.383	-.301
10	904	.071	.084	.418	-.339
10	905	.083	.094	.533	-.252
10	906	.051	.089	.401	-.240
10	907	.078	.091	.408	-.220
10	908	.078	.091	.348	-.367
10	909	.073	.085	.386	-.235
10	910	.040	.083	.345	-.234
10	911	.101	.084	.425	-.178
10	912	.045	.075	.308	-.195
10	913	.018	.104	.356	-.603
10	914	.077	.092	.410	-.232
10	915	.052	.104	.431	-.457
10	916	.057	.090	.402	-.265
10	917	.136	.097	.464	-.199
10	918	.100	.095	.447	-.242
10	919	.109	.094	.463	-.235
10	920	.170	.086	.519	-.084
10	921	.123	.091	.471	-.187
10	922	.175	.110	.684	-.155
10	923	.307	.136	1.067	-.085
10	924	.103	.083	.392	-.255
10	925	.032	.089	.326	-.275
10	1001	-.193	.085	.092	-.432
10	1002	-.059	.086	.219	-.272
10	1003	-.201	.091	.094	-.518
10	1004	.027	.093	.349	-.345
10	1005	.109	.080	.396	-.196
20	1	-.278	.133	.240	-.963
20	2	-.231	.120	.225	-.685
20	3	-.259	.106	.032	-.768
20	4	-.265	.124	.154	-.843
20	5	-.235	.118	.179	-.738
20	6	-.236	.123	.116	-.730
20	7	-.233	.102	.117	-.664
20	8	-.221	.111	.125	-.703
20	9	-.200	.096	.164	-.518
20	10	-.223	.106	.161	-.591
20	11	-.223	.098	.093	-.679
20	12	-.243	.130	.219	-.831
20	13	-.274	.132	.196	-.937
20	14	-.242	.128	.211	-.847
20	15	-.213	.109	.142	-.613
20	101	-.129	.134	.395	-.590
20	102	-.130	.178	.608	-.680
20	103	-.062	.211	.795	-.715
20	104	.159	.241	.997	-.544
20	105	.170	.215	.773	-.493
20	106	.063	.275	.894	-.710
20	107	-.008	.257	.817	-.743
20	108	-.216	.177	.698	-.804
20	109	-.157	.144	.449	-.714
20	110	-.151	.180	.682	-.776
20	111	-.135	.150	.587	-.904
20	112	-.136	.177	.689	-1.112
20	113	-.228	.115	.137	-.876
20	114	-.182	.107	.230	-.519
20	115	-.209	.144	.334	-.613
20	116	-.194	.146	.388	-.638
20	117	-.251	.129	.203	-.895
20	118	-.212	.104	.206	-.633
20	119	-.248	.143	.143	-1.137
20	120	-.070	.111	.364	-.404
20	121	.021	.118	.461	-.388
20	122	.079	.100	.484	-.260
20	123	.103	.139	.721	-.281
20	124	.125	.150	.751	-.304
20	125	.122	.117	.579	-.284
20	126	.191	.141	.845	-.276
20	127	.188	.143	.796	-.288
20	128	.183	.141	.667	-.240
20	129	.172	.117	.617	-.140
20	130	.161	.141	.688	-.221
20	131	.086	.132	.493	-.364
20	132	.010	.118	.377	-.367
20	133	.012	.082	.349	-.310
20	134	.060	.114	.525	-.347
20	135	.201	.143	.783	-.256
20	136	.276	.157	.927	-.186
20	137	.290	.130	.810	-.288
20	138	.284	.159	.918	-.435
20	139	.316	.155	.917	-.147
20	140	.336	.154	.889	-.123
20	141	.383	.130	.843	-.054
20	142	.362	.147	.888	-.043
20	143	.307	.140	.819	-.109
20	144	.121	.117	.478	-.242
20	145	.001	.091	.277	-.313
20	146	-.010	.097	.340	-.348
20	147	.047	.106	.428	-.296
20	148	.204	.129	.723	-.181
20	149	.291	.121	.693	-.021
20	150	.307	.166	.837	-.173
20	151	.295	.169	.831	-.194
20	152	.338	.161	.936	-.108
20	153	.329	.123	.817	-.057
20	154	.348	.146	.980	-.020
20	155	.321	.145	.870	-.047
20	156	.268	.137	.911	-.111
20	157	.078	.099	.442	-.201
20	158	-.015	.108	.422	-.347
20	159	-.000	.099	.384	-.347
20	160	.041	.103	.488	-.317
20	161	.168	.097	.580	-.127
20	162	.257	.125	.705	-.084
20	163	.261	.142	.741	-.219
20	164	.260	.144	.752	-.205
20	165	.277	.116	.680	-.115
20	166	.296	.134	.777	-.164
20	167	.300	.132	.747	-.140
20	168	.279	.128	.709	-.095
20	169	.202	.100	.641	-.128
20	170	.031	.105	.468	-.325
20	171	-.056	.100	.260	-.429
20	172	-.063	.098	.322	-.371
20	173	-.015	.083	.261	-.326
20	174	.116	.116	.727	-.277
20	175	.175	.126	.947	-.185
20	176	.190	.142	1.025	-.421
20	177	.152	.128	.636	-.247
20	178	.192	.134	.748	-.171
20	179	.200	.131	.732	-.144
20	180	.223	.122	.674	-.146
20	181	.198	.107	.596	-.156
20	182	.145	.118	.732	-.214
20	183	.014	.108	.532	-.301
20	184	-.077	.103	.358	-.397
20	185	-.058	.085	.261	-.367
20	186	-.015	.094	.351	-.365
20	187	.066	.091	.368	-.238

APPENDIX A -- PRESSURE DATA: CONFIGURATION A; ONE LOGAN SQUARE

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
20	188	.105	.099	.494	-.217
20	189	.113	.089	.390	-.180
20	190	.103	.102	.426	-.249
20	191	.125	.099	.440	-.185
20	192	.121	.098	.421	-.201
20	193	.168	.090	.573	-.152
20	194	.181	.106	.595	-.186
20	195	-.154	.104	.521	-.222
20	196	-.031	.096	.281	-.337
20	197	-.115	.082	.205	-.427
20	198	.127	.094	.484	-.312
20	199	.130	.094	.434	-.196
20	200	.121	.098	.518	-.222
20	201	.138	.089	.490	-.161
20	202	.137	.100	.538	-.195
20	203	.166	.102	.556	-.158
20	204	.098	.100	.470	-.196
20	205	.153	.081	.481	-.103
20	206	.148	.098	.615	-.156
20	207	-.108	.095	.205	-.477
20	208	-.092	.093	.217	-.450
20	209	-.009	.083	.243	-.356
20	210	.088	.093	.407	-.259
20	211	.112	.086	.374	-.202
20	212	.259	.120	.750	-.114
20	213	.214	.102	.748	-.092
20	214	.063	.102	.541	-.290
20	215	-.066	.093	.210	-.464
20	216	.033	.107	.525	-.273
20	217	.126	.098	.474	-.218
20	218	.058	.103	.425	-.308
20	219	.168	.099	.551	-.149
20	220	.171	.111	.645	-.168
20	221	.217	.097	.556	-.084
20	222	.234	.112	.612	-.125
20	223	.261	.113	.664	-.078
20	224	.251	.116	.643	-.102
20	225	.015	.141	.610	-.512
20	301	-.226	.124	.160	-.781
20	302	-.228	.136	.216	-.729
20	303	-.203	.132	.245	-.781
20	304	-.221	.134	.224	-.945
20	305	-.220	.122	.137	-.880
20	306	-.216	.118	.182	-.779
20	307	-.191	.116	.179	-.821
20	308	-.198	.108	.176	-.675
20	309	-.178	.087	.100	-.555
20	310	-.193	.108	.098	-.761
20	311	-.196	.120	.125	-.890
20	312	-.218	.127	.111	-1.120
20	313	-.162	.087	.122	-.460
20	314	-.176	.100	.135	-.522
20	315	-.170	.102	.165	-.590
20	316	-.218	.121	.112	-.883
20	317	-.227	.121	.121	-.936
20	318	-.190	.106	.234	-.709
20	319	-.170	.105	.254	-.687
20	320	-.207	.109	.198	-.699
20	321	-.225	.103	.072	-.871
20	322	-.241	.122	.108	-1.004
20	323	-.181	.094	.154	-.510
20	324	-.204	.093	.133	-.534
20	325	-.228	.098	.087	-.688
20	326	-.264	.128	.081	-1.114
20	327	-.244	.132	.117	-1.051
20	328	-.253	.112	.152	-.827
20	329	-.220	.080	.115	-.476
20	330	-.239	.096	.140	-.562
20	331	-.212	.097	.159	-.876
20	332	-.236	.099	.135	-.865
20	333	-.292	.133	.087	-1.075
20	334	-.280	.133	.090	-1.044
20	335	-.274	.100	.061	-.593
20	336	-.216	.095	.085	-.533
20	337	-.225	.095	.082	-.551
20	338	-.259	.134	.190	-1.010
20	339	-.326	.138	.138	-1.204
20	340	-.262	.125	.159	-.829
20	341	-.043	.114	.412	-.520
20	342	-.025	.110	.411	-.435
20	343	-.173	.173	.465	-.791
20	344	-.037	.122	.505	-.427
20	345	-.111	.104	.337	-.436
20	346	-.140	.098	.228	-.440
20	401	-.181	.118	.198	-.730
20	402	-.184	.115	.190	-.753
20	403	-.160	.105	.189	-.663
20	404	-.166	.088	.102	-.552
20	405	-.169	.101	.128	-.628
20	406	-.189	.097	.098	-.563
20	407	-.179	.096	.085	-.526
20	408	-.176	.088	.111	-.504
20	409	-.200	.116	.167	-.594
20	410	-.224	.110	.151	-.593
20	411	-.174	.106	.207	-.599
20	412	-.165	.092	.117	-.625
20	413	-.157	.099	.166	-.562
20	414	-.188	.088	.084	-.493
20	415	-.177	.087	.109	-.483
20	416	-.179	.080	.096	-.477
20	417	-.178	.096	.156	-.500
20	418	-.194	.098	.168	-.541
20	419	-.181	.095	.149	-.503
20	420	-.182	.086	.066	-.589
20	421	-.168	.097	.136	-.587
20	422	-.171	.089	.154	-.499
20	423	-.161	.087	.199	-.482
20	424	-.166	.074	.065	-.443
20	425	-.175	.087	.105	-.499
20	426	-.192	.090	.098	-.526
20	427	-.173	.090	.143	-.498
20	428	-.169	.073	.068	-.436
20	429	-.174	.086	.108	-.514
20	430	-.207	.103	.050	-.662
20	431	-.181	.098	.078	-.637
20	432	-.156	.071	.079	-.416
20	433	-.158	.085	.141	-.482
20	434	-.177	.086	.180	-.504
20	435	-.171	.083	.127	-.506
20	436	-.181	.068	.025	-.464
20	437	-.175	.082	.084	-.510
20	438	-.192	.083	.061	-.527
20	439	-.201	.091	.095	-.510
20	440	-.196	.084	.111	-.526
20	441	-.185	.092	.139	-.471
20	442	-.206	.092	.094	-.502
20	443	-.190	.091	.133	-.506
20	444	-.174	.075	.095	-.482
20	445	-.176	.088	.136	-.551
20	446	-.190	.089	.116	-.577
20	447	-.175	.090	.125	-.563
20	448	-.186	.073	.061	-.425
20	449	-.231	.097	.082	-.610
20	450	-.244	.095	.081	-.618
20	451	-.211	.086	.087	-.554
20	452	-.197	.074	.026	-.507
20	453	-.191	.089	.127	-.549
20	454	-.210	.089	.075	-.577
20	455	-.197	.089	.087	-.566
20	456	-.182	.072	.070	-.411
20	457	-.184	.086	.116	-.458
20	458	-.222	.089	.083	-.494
20	459	-.2[illegible]	.083	.086	-.458
20	460	-.200	.076	.038	-.460
20	461	-.195	.090	.132	-.509
20	462	-.208	.092	.109	-.539
20	463	-.192	.092	.120	-.513
20	464	-.187	.074	.065	-.480
20	465	-.190	.090	.100	-.564
20	466	-.211	.093	.088	-.611

APPENDIX A -- PRESSURE DATA: CONFIGURATION A: ONE LOGAN SQUARE

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
20	467	-.198	.098	.144	-.592
20	468	-.185	.079	.059	-.452
20	469	-.190	.095	.084	-.505
20	470	-.214	.104	.079	-.612
20	471	-.200	.106	.160	-.691
20	472	-.196	.078	.093	-.444
20	473	-.200	.090	.141	-.490
20	474	-.226	.090	.122	-.531
20	475	-.202	.087	.135	-.504
20	476	-.207	.084	.056	-.493
20	477	-.208	.085	.075	-.487
20	478	-.229	.093	.066	-.778
20	479	-.220	.093	.047	-.673
20	501	.112	.100	.557	-.190
20	502	.046	.105	.471	-.314
20	503	.104	.105	.619	-.227
20	504	.137	.109	.594	-.216
20	505	.150	.097	.564	-.135
20	506	.156	.108	.689	-.166
20	507	.158	.106	.723	-.150
20	508	.158	.107	.641	-.155
20	509	.148	.090	.630	-.137
20	510	.094	.098	.586	-.211
20	511	.112	.097	.504	-.191
20	512	.147	.101	.615	-.206
20	513	.134	.110	.537	-.203
20	514	.162	.111	.640	-.182
20	515	.159	.104	.708	-.171
20	516	.155	.104	.569	-.187
20	517	.168	.089	.520	-.097
20	518	.076	.093	.440	-.277
20	519	.079	.114	.496	-.281
20	520	.149	.099	.477	-.147
20	521	.161	.089	.497	-.224
20	522	.138	.105	.528	-.296
20	523	.171	.098	.521	-.190
20	524	.171	.100	.553	-.193
20	525	.176	.097	.556	-.110
20	526	.088	.097	.466	-.224
20	601	.016	.094	.315	-.321
20	602	-.010	.097	.288	-.391
20	603	.032	.078	.304	-.239
20	604	.065	.091	.382	-.248
20	605	-.016	.093	.291	-.360
20	606	.022	.091	.359	-.310
20	607	.095	.080	.353	-.178
20	608	.060	.097	.367	-.328
20	609	-.190	.118	.239	-.778
20	610	-.020	.095	.315	-.407
20	611	.087	.077	.379	-.181
20	612	-.010	.112	.613	-.377
20	613	.108	.103	.505	-.269
20	614	.122	.096	.522	-.199
20	615	.148	.089	.460	-.163
20	616	.108	.101	.531	-.185
20	617	.068	.106	.504	-.361
20	618	.024	.099	.433	-.315
20	619	.063	.090	.405	-.300
20	620	.034	.102	.493	-.308
20	621	.115	.094	.425	-.272
20	622	.166	.099	.528	-.203
20	623	.207	.088	.605	-.090
20	624	.211	.120	.805	-.153
20	625	.150	.106	.542	-.213
20	626	.098	.116	.663	-.234
20	701	.046	.077	.319	-.201
20	702	.065	.105	.397	-.386
20	703	.072	.092	.397	-.246
20	704	.034	.093	.361	-.269
20	705	.121	.080	.361	-.120
20	706	.111	.098	.467	-.223
20	707	.142	.092	.428	-.132
20	708	.024	.091	.324	-.334
20	709	.011	.084	.263	-.306
20	710	.026	.088	.317	-.329
20	711	.062	.094	.411	-.248
20	712	.081	.107	.436	-.318
20	713	.218	.097	.592	-.081
20	714	.100	.095	.508	-.209
20	715	.128	.093	.560	-.162
20	716	.045	.100	.421	-.316
20	717	.011	.078	.288	-.274
20	718	.017	.089	.340	-.360
20	719	.121	.089	.511	-.157
20	720	.252	.119	.918	-.088
20	721	.020	.076	.264	-.218
20	722	.291	.135	1.016	-.031
20	723	.270	.129	.960	-.043
20	724	.251	.119	.724	-.053
20	725	.189	.092	.562	-.073
20	726	.211	.101	.639	-.088
20	727	.153	.107	.540	-.150
20	728	.029	.075	.276	-.195
20	729	.035	.088	.350	-.201
20	801	.057	.091	.402	-.236
20	802	.024	.096	.353	-.245
20	803	.028	.078	.353	-.255
20	804	-.008	.092	.385	-.381
20	805	.027	.082	.310	-.281
20	806	.054	.083	.354	-.289
20	807	.046	.076	.308	-.220
20	808	.015	.090	.291	-.355
20	809	.058	.089	.340	-.260
20	810	.069	.087	.365	-.229
20	811	.069	.077	.311	-.189
20	812	.062	.095	.366	-.249
20	813	.052	.096	.412	-.303
20	814	.099	.095	.401	-.211
20	815	.099	.098	.500	-.303
20	816	.046	.098	.371	-.356
20	817	.103	.103	.449	-.281
20	818	.060	.143	.484	-.858
20	819	.167	.086	.553	-.086
20	820	.252	.116	.717	-.104
20	821	.187	.104	.595	-.127
20	822	.267	.119	.817	-.080
20	823	.238	.104	.606	-.150
20	901	.021	.091	.331	-.316
20	902	.054	.103	.411	-.361
20	903	.071	.097	.381	-.280
20	904	.077	.084	.334	-.249
20	905	.092	.099	.422	-.298
20	906	.024	.094	.343	-.313
20	907	.065	.098	.418	-.292
20	908	.091	.089	.422	-.300
20	909	.074	.094	.411	-.350
20	910	.009	.091	.429	-.293
20	911	.077	.096	.531	-.230
20	912	.029	.080	.447	-.281
20	913	.043	.100	.366	-.361
20	914	.079	.093	.396	-.247
20	915	.069	.107	.418	-.515
20	916	.087	.083	.404	-.243
20	917	.134	.094	.442	-.157
20	918	.096	.089	.405	-.218
20	919	.113	.088	.423	-.152
20	920	.164	.094	.556	-.179
20	921	.113	.097	.443	-.264
20	922	.158	.116	.632	-.286
20	923	.274	.141	.877	-.190
20	924	.121	.090	.449	-.149
20	925	.051	.100	.408	-.333
20	1001	-.235	.090	.039	-.570
20	1002	-.083	.096	.208	-.478
20	1003	.228	.094	.063	-.674
20	1004	.050	.098	.370	-.389
20	1005	.119	.081	.362	-.141
30	1	-.315	.130	.041	-1.104
30	2	-.269	.116	.076	-.809
30	3	-.313	.110	.014	-.782

APPENDIX A -- PRESSURE DATA: CONFIGURATION A; ONE LOGAN SQUARE

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
30	4	-.321	.124	.088	-.748
30	5	-.277	.124	.140	-.706
30	6	-.274	.132	.138	-.882
30	7	-.274	.113	.025	-.769
30	8	-.243	.115	.138	-.656
30	9	-.250	.103	.125	-.646
30	10	-.261	.113	.134	-.647
30	11	-.246	.095	.137	-.631
30	12	-.271	.118	.282	-.740
30	13	-.303	.121	.288	-.814
30	14	-.257	.116	.316	-.666
30	15	-.200	.107	.171	-.734
30	101	-.122	.177	.660	-.881
30	102	-.093	.226	.999	-1.053
30	103	-.120	.225	.941	-.741
30	104	.169	.267	1.223	-.743
30	105	.197	.224	.867	-.511
30	106	.116	.281	.875	-.679
30	107	.050	.267	.839	-.649
30	108	-.233	.179	.553	-.813
30	109	-.237	.139	.397	-.669
30	110	-.196	.160	.611	-.801
30	111	-.145	.145	.444	-.670
30	112	-.177	.166	.549	-.808
30	113	-.275	.118	.131	-.790
30	114	-.276	.108	.135	-.669
30	115	-.253	.144	.342	-.735
30	116	-.227	.150	.360	-.747
30	117	-.271	.131	.149	-.840
30	118	-.256	.110	.151	-.656
30	119	-.255	.145	.173	-.967
30	120	-.065	.108	.357	-.443
30	121	.039	.115	.508	-.340
30	122	.120	.103	.534	-.165
30	123	.137	.154	.750	-.276
30	124	.166	.161	.749	-.235
30	125	.135	.131	.602	-.388
30	126	.185	.157	.795	-.433
30	127	.176	.154	.815	-.451
30	128	.158	.141	.743	-.327
30	129	.119	.117	.547	-.273
30	130	.123	.135	.661	-.287
30	131	.030	.123	.482	-.374
30	132	-.042	.109	.382	-.393
30	133	-.009	.094	.348	-.312
30	134	.109	.126	.564	-.284
30	135	.263	.148	.737	-.173
30	136	.332	.156	.922	-.134
30	137	.345	.145	.869	-.131
30	138	.359	.167	.943	-.205
30	139	.349	.166	.886	-.232
30	140	.361	.162	.883	-.214
30	141	.301	.135	.826	-.091
30	142	.285	.147	.978	-.132
30	143	.219	.140	.843	-.257
30	144	.049	.114	.548	-.401
30	145	-.088	.088	.277	-.413
30	146	.020	.112	.472	-.334
30	147	.092	.126	.585	-.310
30	148	.271	.150	.778	-.215
30	149	.286	.120	.726	-.030
30	150	.326	.145	.818	-.087
30	151	.316	.146	.808	-.124
30	152	.323	.142	.816	-.108
30	153	.344	.133	.921	-.040
30	154	.355	.147	.968	-.079
30	155	.301	.142	.788	-.135
30	156	.229	.133	.724	-.188
30	157	-.011	.092	.364	-.297
30	158	-.071	.100	.360	-.412
30	159	.034	.113	.512	-.314
30	160	.085	.119	.550	-.263
30	161	.185	.112	.610	-.134
30	162	.291	.134	.802	-.120
30	163	.293	.143	.794	-.263
30	164	.295	.144	.807	-.263
30	165	.272	.113	.675	-.099
30	166	.307	.129	.760	-.097
30	167	.287	.122	.702	-.114
30	168	.256	.117	.635	-.140
30	169	.136	.105	.493	-.113
30	170	-.004	.101	.357	-.321
30	171	-.095	.095	.213	-.438
30	172	-.057	.094	.259	-.436
30	173	-.009	.093	.356	-.303
30	174	.175	.126	.632	-.211
30	175	.238	.136	.702	-.153
30	176	.264	.139	.721	-.182
30	177	.209	.123	.713	-.178
30	178	.239	.134	.767	-.208
30	179	.236	.133	.776	-.166
30	180	.233	.120	.728	-.080
30	181	.186	.097	.591	-.109
30	182	.113	.107	.634	-.216
30	183	-.014	.097	.450	-.322
30	184	-.106	.092	.317	-.440
30	185	-.051	.090	.393	-.363
30	186	-.015	.101	.486	-.341
30	187	.081	.095	.491	-.231
30	188	.122	.103	.465	-.226
30	189	.166	.097	.555	-.113
30	190	.154	.113	.626	-.166
30	191	.175	.110	.635	-.150
30	192	.162	.111	.616	-.149
30	193	.165	.093	.515	-.178
30	194	.152	.102	.565	-.216
30	195	.120	.096	.482	-.199
30	196	-.053	.091	.223	-.514
30	197	-.116	.080	.107	-.473
30	198	.153	.105	.546	-.186
30	199	.151	.099	.492	-.150
30	200	.143	.107	.541	-.176
30	201	.160	.088	.525	-.149
30	202	.156	.102	.580	-.201
30	203	.179	.098	.618	-.173
30	204	.114	.101	.469	-.234
30	205	.157	.091	.456	-.171
30	206	.145	.107	.571	-.236
30	207	-.111	.093	.184	-.482
30	208	-.104	.092	.188	-.461
30	209	-.004	.087	.314	-.388
30	210	.097	.095	.487	-.248
30	211	.133	.090	.456	-.188
30	212	.225	.114	.626	-.131
30	213	.184	.095	.563	-.093
30	214	.056	.099	.507	-.250
30	215	-.049	.090	.270	-.373
30	216	.072	.128	.661	-.316
30	217	.168	.102	.554	-.159
30	218	.093	.106	.485	-.267
30	219	.186	.098	.570	-.125
30	220	.187	.111	.662	-.144
30	221	.242	.102	.682	-.069
30	222	.250	.119	.789	-.122
30	223	.281	.118	.761	-.079
30	224	.270	.122	.756	-.084
30	225	.026	.142	.595	-.454
30	301	-.139	.102	.151	-.559
30	302	-.211	.115	.201	-.615
30	303	-.182	.110	.176	-.596
30	304	-.213	.112	.156	-.730
30	305	-.199	.109	.128	-.910
30	306	-.199	.110	.161	-.653
30	307	-.171	.110	.175	-.678
30	308	-.188	.107	.159	-.607
30	309	-.178	.088	.099	-.535
30	310	-.196	.103	.118	-.624
30	311	-.184	.110	.197	-.723
30	312	-.213	.114	.180	-.871
30	313	-.156	.085	.143	-.461

APPENDIX A -- PRESSURE DATA: CONFIGURATION A: ONE LOGAN SQUARE

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
30	314	-.177	.099	.168	-.544
30	315	-.158	.096	.194	-.518
30	316	-.201	.105	.141	-.717
30	317	-.199	.096	.100	-.692
30	318	-.180	.100	.145	-.652
30	319	-.152	.098	.169	-.606
30	320	-.192	.098	.118	-.641
30	321	-.201	.098	.061	-.772
30	322	-.229	.116	.080	-.986
30	323	-.170	.096	.140	-.484
30	324	-.198	.097	.124	-.530
30	325	-.196	.082	.108	-.521
30	326	-.236	.106	.137	-.732
30	327	-.214	.108	.182	-.687
30	328	-.224	.098	.207	-.577
30	329	-.201	.084	.057	-.503
30	330	-.242	.099	.042	-.632
30	331	-.227	.101	.080	-.684
30	332	-.258	.104	.084	-.736
30	333	-.266	.113	.068	-.699
30	334	-.245	.112	.082	-.666
30	335	-.268	.105	.030	-.782
30	336	-.233	.097	.070	-.578
30	337	-.258	.097	.061	-.660
30	338	-.244	.133	.151	-.897
30	339	-.302	.111	.054	-.722
30	340	-.262	.121	.243	-.960
30	341	-.038	.119	.398	-.404
30	342	-.013	.112	.458	-.426
30	343	-.260	.147	.452	-.770
30	344	-.090	.110	.317	-.527
30	345	-.158	.097	.195	-.525
30	346	-.170	.091	.133	-.529
30	401	-.178	.103	.177	-.718
30	402	-.197	.103	.156	-.745
30	403	-.181	.099	.142	-.637
30	404	-.196	.085	.056	-.547
30	405	-.201	.099	.130	-.533
30	406	-.237	.101	.074	-.683
30	407	-.210	.098	.101	-.584
30	408	-.200	.084	.039	-.498
30	409	-.230	.117	.145	-1.036
30	410	-.265	.106	.067	-.668
30	411	-.186	.094	.099	-.593
30	412	-.169	.081	.075	-.498
30	413	-.173	.094	.125	-.545
30	414	-.225	.093	.082	-.591
30	415	-.206	.092	.086	-.574
30	416	-.196	.075	.054	-.450
30	417	-.193	.090	.117	-.513
30	418	-.220	.093	.105	-.531
30	419	-.200	.090	.110	-.608
30	420	-.181	.079	.101	-.557
30	421	-.176	.091	.153	-.594
30	422	-.198	.091	.160	-.662
30	423	-.193	.088	.159	-.618
30	424	-.197	.080	.076	-.475
30	425	-.206	.094	.122	-.515
30	426	-.226	.096	.119	-.534
30	427	-.195	.095	.144	-.516
30	428	-.188	.076	.089	-.466
30	429	-.191	.089	.121	-.509
30	430	-.201	.093	.123	-.515
30	431	-.175	.090	.135	-.464
30	432	-.175	.072	.080	-.419
30	433	-.192	.085	.086	-.509
30	434	-.228	.088	.069	-.545
30	435	-.211	.087	.086	-.515
30	436	-.199	.076	.089	-.420
30	437	-.188	.091	.163	-.478
30	438	-.215	.093	.158	-.505
30	439	-.192	.095	.159	-.573
30	440	-.181	.080	.075	-.445
30	441	-.188	.085	.102	-.492
30	442	-.227	.086	.052	-.550
30	443	-.211	.086	.085	-.534
30	444	-.208	.075	.014	-.475
30	445	-.204	.090	.078	-.513
30	446	-.221	.092	.071	-.545
30	447	-.201	.092	.100	-.539
30	448	-.204	.074	.021	-.506
30	449	-.233	.092	.051	-.582
30	450	-.256	.092	.034	-.587
30	451	-.226	.085	.034	-.504
30	452	-.212	.075	.025	-.461
30	453	-.207	.088	.089	-.503
30	454	-.235	.091	.065	-.535
30	455	-.213	.090	.077	-.538
30	456	-.205	.075	.047	-.501
30	457	-.203	.088	.100	-.555
30	458	-.270	.096	.026	-.651
30	459	-.247	.089	.028	-.579
30	460	-.231	.075	.038	-.518
30	461	-.218	.086	.084	-.561
30	462	-.240	.089	.080	-.587
30	463	-.216	.089	.095	-.539
30	464	-.212	.072	.061	-.483
30	465	-.209	.089	.149	-.524
30	466	-.241	.092	.128	-.558
30	467	-.220	.100	.100	-.654
30	468	-.213	.082	.075	-.512
30	469	-.210	.102	.146	-.685
30	470	-.242	.113	.132	-.918
30	471	-.218	.116	.171	-.741
30	472	-.213	.073	.016	-.502
30	473	-.210	.085	.058	-.541
30	474	-.243	.086	.040	-.588
30	475	-.211	.083	.054	-.558
30	476	-.227	.082	.058	-.518
30	477	-.223	.088	.072	-.511
30	478	-.260	.099	.046	-.670
30	479	-.241	.097	.092	-.620
30	501	.155	.112	.717	-.191
30	502	.034	.108	.485	-.361
30	503	.148	.119	.639	-.282
30	504	.183	.129	.852	-.190
30	505	.210	.121	.743	-.156
30	506	.201	.125	.696	-.237
30	507	.188	.111	.651	-.231
30	508	.158	.107	.611	-.277
30	509	.124	.085	.485	-.143
30	510	.056	.093	.434	-.218
30	511	.113	.098	.510	-.182
30	512	.151	.104	.554	-.294
30	513	.180	.106	.557	-.208
30	514	.180	.107	.547	-.162
30	515	.161	.096	.519	-.127
30	516	.137	.097	.599	-.188
30	517	.156	.099	.512	-.211
30	518	.045	.102	.398	-.268
30	519	.106	.128	.808	-.253
30	520	.175	.115	.689	-.128
30	521	.198	.098	.583	-.137
30	522	.177	.114	.709	-.253
30	523	.176	.103	.700	-.139
30	524	.143	.094	.479	-.161
30	525	.144	.083	.441	-.110
30	526	.048	.090	.336	-.248
30	601	.009	.087	.332	-.345
30	602	-.017	.087	.240	-.303
30	603	.017	.076	.253	-.259
30	604	.046	.088	.334	-.278
30	605	-.027	.089	.271	-.371
30	606	-.000	.089	.287	-.331
30	607	.085	.094	.390	-.323
30	608	.037	.111	.390	-.409
30	609	-.161	.120	.197	-.728
30	610	-.024	.097	.298	-.468
30	611	.061	.084	.396	-.235
30	612	-.009	.114	.510	-.452

APPENDIX A -- PRESSURE DATA: CONFIGURATION A: ONE LOGAN SQUARE

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
30	613	.099	.102	.501	-.277
30	614	.120	.097	.440	-.226
30	615	.155	.084	.474	-.150
30	616	.122	.102	.485	-.223
30	617	.081	.106	.490	-.358
30	618	.010	.101	.375	-.437
30	619	.077	.088	.396	-.178
30	620	.049	.105	.514	-.274
30	621	.124	.097	.519	-.185
30	622	.140	.099	.540	-.189
30	623	.209	.090	.583	-.067
30	624	.201	.112	.607	-.195
30	625	.187	.119	.646	-.184
30	626	.159	.136	.704	-.220
30	701	.023	.079	.286	-.371
30	702	.079	.096	.371	-.308
30	703	.046	.092	.334	-.355
30	704	.003	.096	.324	-.377
30	705	.131	.089	.453	-.155
30	706	.119	.101	.477	-.327
30	707	.143	.094	.468	-.163
30	708	.019	.097	.353	-.517
30	709	.008	.077	.263	-.397
30	710	.022	.079	.277	-.237
30	711	.049	.082	.367	-.249
30	712	.047	.101	.398	-.289
30	713	.198	.093	.571	-.096
30	714	.108	.097	.489	-.283
30	715	.130	.096	.494	-.209
30	716	.064	.098	.415	-.293
30	717	.019	.085	.363	-.305
30	718	.022	.098	.431	-.416
30	719	.143	.104	.520	-.195
30	720	.293	.136	.804	-.163
30	721	.025	.083	.301	-.315
30	722	.296	.126	.898	-.058
30	723	.277	.125	.908	-.140
30	724	.246	.112	.702	-.127
30	725	.181	.094	.558	-.110
30	726	.207	.097	.551	-.084
30	727	.176	.108	.607	-.230
30	728	.038	.077	.310	-.228
30	729	.046	.089	.338	-.244
30	801	.088	.101	.467	-.273
30	802	.033	.086	.362	-.393
30	803	.034	.087	.337	-.246
30	804	-.007	.104	.378	-.358
30	805	.024	.086	.292	-.256
30	806	.059	.087	.374	-.257
30	807	.043	.079	.364	-.185
30	808	.014	.090	.429	-.347
30	809	.059	.091	.444	-.222
30	810	.068	.086	.430	-.220
30	811	.058	.079	.353	-.220
30	812	.068	.092	.362	-.247
30	813	.050	.094	.418	-.287
30	814	.104	.099	.536	-.238
30	815	.108	.105	.515	-.282
30	816	.045	.104	.495	-.293
30	817	.094	.107	.508	-.221
30	818	.081	.139	.492	-.638
30	819	.152	.081	.504	-.082
30	820	.244	.109	.708	-.074
30	821	.183	.099	.595	-.144
30	822	.259	.112	.745	-.071
30	823	.265	.108	.667	-.065
30	901	.020	.088	.325	-.356
30	902	.039	.108	.482	-.381
30	903	.081	.098	.448	-.343
30	904	.088	.086	.445	-.189
30	905	.106	.100	.442	-.221
30	906	.001	.088	.315	-.368
30	907	.045	.097	.357	-.362
30	908	.111	.087	.411	-.206
30	909	.094	.102	.477	-.283
30	910	-.028	.098	.308	-.415
30	911	.068	.101	.490	-.293
30	912	.004	.088	.387	-.291
30	913	.102	.099	.453	-.312
30	914	.111	.099	.443	-.260
30	915	.138	.113	.502	-.320
30	916	.108	.086	.377	-.197
30	917	.118	.090	.437	-.169
30	918	.098	.091	.437	-.208
30	919	.120	.089	.436	-.162
30	920	.134	.083	.459	-.109
30	921	.098	.092	.411	-.222
30	922	.119	.104	.529	-.247
30	923	.210	.125	.821	-.138
30	924	.141	.091	.489	-.140
30	925	.058	.096	.388	-.328
30	1001	-.266	.094	.037	-.617
30	1002	-.115	.108	.231	-.513
30	1003	-.255	.102	.081	-.585
30	1004	.085	.101	.413	-.302
30	1005	.128	.089	.466	-.172
40	1	-.357	.137	.051	-1.211
40	2	-.307	.129	.085	-.935
40	3	-.351	.117	-.019	-.902
40	4	-.349	.131	.058	-.844
40	5	-.288	.124	.169	-.861
40	6	-.288	.123	.089	-.765
40	7	-.261	.101	.084	-.706
40	8	-.231	.100	.074	-.598
40	9	-.261	.103	.084	-.729
40	10	-.224	.117	.310	-.631
40	11	-.235	.106	.165	-.631
40	12	-.259	.134	.170	-.702
40	13	-.299	.131	.243	-.845
40	14	-.244	.123	.161	-.744
40	15	-.223	.103	.154	-.659
40	101	-.041	.216	.619	-.685
40	102	.025	.271	.982	-.820
40	103	-.057	.261	.835	-.732
40	104	.190	.241	1.108	-.608
40	105	.223	.217	.952	-.453
40	106	.139	.263	.942	-.621
40	107	.106	.249	.842	-.673
40	108	-.191	.196	.728	-.755
40	109	-.263	.140	.439	-.700
40	110	-.181	.163	.689	-.816
40	111	-.151	.122	.294	-.742
40	112	-.185	.154	.422	-1.239
40	113	-.261	.126	.149	-.875
40	114	-.290	.119	.121	-.688
40	115	-.240	.148	.274	-.806
40	116	-.218	.153	.309	-.817
40	117	-.253	.131	.164	-.803
40	118	-.286	.107	.106	-.709
40	119	-.241	.139	.138	-1.078
40	120	-.032	.139	.521	-.507
40	121	.074	.145	.698	-.421
40	122	.144	.121	.596	-.173
40	123	.174	.157	.837	-.294
40	124	.206	.154	.844	-.269
40	125	.159	.134	.639	-.268
40	126	.198	.144	.777	-.273
40	127	.188	.142	.783	-.388
40	128	.165	.131	.688	-.207
40	129	.059	.109	.463	-.307
40	130	.066	.125	.519	-.374
40	131	-.031	.115	.382	-.412
40	132	-.087	.103	.264	-.437
40	133	.001	.110	.465	-.339
40	134	.137	.145	.764	-.304
40	135	.233	.174	.913	-.164
40	136	.367	.175	1.045	-.976
40	137	.317	.158	.953	-.166
40	138	.326	.176	.966	-.233
40	139	.294	.176	.888	-.373

APPENDIX A -- PRESSURE DATA: CONFIGURATION A: ONE LOGAN SQUARE

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
40	140	.311	.170	.871	-.291
40	141	.279	.125	.763	-.110
40	142	.249	.134	.828	-.128
40	143	.164	.128	.676	-.215
40	144	-.002	.101	.500	-.306
40	145	-.119	.084	.145	-.407
40	146	.011	.120	.648	-.325
40	147	.079	.139	.768	-.302
40	148	.264	.170	1.074	-.186
40	149	.322	.151	.842	-.097
40	150	.357	.163	.925	-.120
40	151	.337	.162	.918	-.144
40	152	.333	.156	.860	-.128
40	153	.304	.158	.781	-.245
40	154	.300	.158	.830	-.219
40	155	.230	.144	.782	-.253
40	156	.161	.125	.658	-.265
40	157	-.043	.085	.274	-.323
40	158	-.090	.093	.261	-.414
40	159	-.000	.113	.406	-.327
40	160	.053	.119	.498	-.283
40	161	.185	.133	.742	-.199
40	162	.303	.163	.987	-.199
40	163	.310	.165	1.009	-.225
40	164	.319	.163	.984	-.191
40	165	.296	.138	.815	-.138
40	166	.318	.153	.899	-.192
40	167	.280	.140	.784	-.143
40	168	.238	.123	.752	-.182
40	169	.115	.098	.512	-.165
40	170	-.028	.100	.367	-.342
40	171	-.117	.097	.204	-.445
40	172	-.085	.095	.332	-.402
40	173	-.028	.096	.439	-.335
40	174	.140	.129	.784	-.225
40	175	.204	.139	.854	-.180
40	176	.245	.140	.929	-.136
40	177	.196	.121	.651	-.182
40	178	.218	.135	.775	-.208
40	179	.207	.135	.800	-.238
40	180	.212	.123	.633	-.169
40	181	.186	.098	.550	-.148
40	182	.104	.105	.516	-.284
40	183	-.051	.098	.296	-.406
40	184	-.118	.095	.218	-.488
40	185	-.080	.076	.204	-.383
40	186	-.058	.086	.249	-.375
40	187	.023	.087	.304	-.253
40	188	.106	.094	.393	-.218
40	189	.148	.091	.460	-.187
40	190	.130	.106	.498	-.239
40	191	.130	.106	.508	-.222
40	192	.135	.104	.519	-.253
40	193	.167	.089	.471	-.185
40	194	.151	.099	.495	-.255
40	195	.094	.092	.401	-.273
40	196	-.052	.087	.256	-.387
40	197	-.102	.072	.167	-.438
40	198	.119	.099	.448	-.245
40	199	.107	.105	.474	-.207
40	200	.114	.101	.463	-.234
40	201	.142	.086	.479	-.138
40	202	.134	.099	.524	-.175
40	203	.136	.100	.536	-.165
40	204	.080	.103	.407	-.263
40	205	.149	.094	.463	-.173
40	206	.138	.110	.587	-.234
40	207	-.144	.096	.209	-.553
40	208	-.113	.092	.191	-.428
40	209	-.044	.086	.259	-.352
40	210	.064	.098	.392	-.260
40	211	.071	.097	.382	-.265
40	212	.207	.119	.662	-.132
40	213	.175	.093	.589	-.158
40	214	.053	.100	.495	-.302
40	215	-.048	.078	.202	-.307
40	216	.048	.133	.623	-.365
40	217	.131	.108	.513	-.163
40	218	.052	.113	.438	-.273
40	219	.147	.106	.485	-.158
40	220	.179	.116	.585	-.179
40	221	.244	.113	.654	-.072
40	222	.243	.127	.708	-.109
40	223	.253	.129	.697	-.097
40	224	.261	.130	.720	-.098
40	225	.021	.129	.602	-.398
40	301	-.179	.091	.149	-.521
40	302	-.198	.103	.152	-.613
40	303	-.202	.100	.135	-.601
40	304	-.203	.098	.127	-.558
40	305	-.194	.083	.074	-.590
40	306	-.198	.090	.076	-.539
40	307	-.200	.090	.140	-.570
40	308	-.191	.088	.060	-.572
40	309	-.171	.078	.080	-.465
40	310	-.192	.090	.081	-.522
40	311	-.202	.090	.059	-.641
40	312	-.204	.090	.053	-.664
40	313	-.162	.074	.109	-.447
40	314	-.185	.087	.135	-.531
40	315	-.192	.087	.116	-.537
40	316	-.203	.089	.098	-.685
40	317	-.180	.083	.104	-.501
40	318	-.168	.093	.170	-.526
40	319	-.170	.093	.163	-.527
40	320	-.178	.091	.145	-.549
40	321	-.175	.086	.098	-.748
40	322	-.201	.102	.136	-.817
40	323	-.176	.094	.117	-.516
40	324	-.177	.092	.107	-.516
40	325	-.174	.077	.070	-.461
40	326	-.210	.096	.087	-.631
40	327	-.215	.100	.106	-.625
40	328	-.215	.095	.081	-.603
40	329	-.186	.079	.044	-.448
40	330	-.219	.094	.053	-.627
40	331	-.231	.097	.034	-.610
40	332	-.234	.098	.037	-.716
40	333	-.257	.105	.151	-.631
40	334	-.227	.103	.170	-.595
40	335	-.258	.093	.044	-.695
40	336	-.226	.088	.087	-.570
40	337	-.264	.090	.064	-.628
40	338	-.235	.119	.167	-.772
40	339	-.270	.106	.052	-.730
40	340	-.233	.113	.095	-.650
40	341	-.045	.113	.608	-.381
40	342	-.015	.104	.463	-.386
40	343	-.262	.140	.394	-.756
40	344	-.093	.110	.352	-.552
40	345	-.165	.101	.293	-.521
40	346	-.167	.095	.217	-.521
40	401	-.212	.096	.153	-.608
40	402	-.241	.098	.140	-.642
40	403	-.221	.095	.119	-.628
40	404	-.217	.086	.032	-.563
40	405	-.214	.102	.103	-.588
40	406	-.251	.107	.148	-.707
40	407	-.212	.103	.216	-.589
40	408	-.210	.089	.091	-.521
40	409	-.231	.131	.202	-1.006
40	410	-.258	.111	.097	-.677
40	411	-.204	.094	.077	-.547
40	412	-.205	.081	.059	-.477
40	413	-.197	.095	.133	-.509
40	414	-.235	.101	.147	-.621
40	415	-.210	.099	.158	-.598
40	416	-.213	.088	.136	-.495
40	417	-.197	.106	.228	-.597
40	418	-.237	.110	.219	-.711

APPENDIX A -- PRESSURE DATA: CONFIGURATION A; ONE LOGAN SQUARE

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
40	419	-.211	.106	.214	-.709
40	420	-.208	.081	.040	-.582
40	421	-.194	.093	.096	-.557
40	422	-.233	.092	.060	-.573
40	423	-.215	.091	.074	-.520
40	424	-.223	.077	.028	-.502
40	425	-.213	.089	.085	-.551
40	426	-.239	.093	.096	-.580
40	427	-.205	.094	.126	-.764
40	428	-.203	.084	.088	-.604
40	429	-.192	.096	.127	-.662
40	430	-.217	.097	.140	-.558
40	431	-.187	.093	.150	-.525
40	432	-.208	.078	.072	-.477
40	433	-.208	.091	.111	-.500
40	434	-.249	.095	.122	-.553
40	435	-.227	.093	.093	-.543
40	436	-.218	.080	.027	-.472
40	437	-.196	.097	.121	-.612
40	438	-.230	.100	.092	-.794
40	439	-.188	.096	.169	-.678
40	440	-.184	.078	.104	-.496
40	441	-.188	.087	.111	-.509
40	442	-.233	.090	.053	-.560
40	443	-.215	.087	.039	-.542
40	444	-.231	.081	.037	-.488
40	445	-.213	.096	.090	-.516
40	446	-.235	.102	.086	-.556
40	447	-.210	.102	.125	-.555
40	448	-.221	.090	.048	-.511
40	449	-.230	.102	.180	-.618
40	450	-.258	.103	.113	-.584
40	451	-.224	.097	.098	-.530
40	452	-.221	.085	.063	-.559
40	453	-.212	.096	.094	-.586
40	454	-.255	.099	.074	-.626
40	455	-.227	.099	.113	-.591
40	456	-.213	.085	.041	-.843
40	457	-.199	.101	.100	-.882
40	458	-.241	.096	.068	-.604
40	459	-.215	.090	.076	-.562
40	460	-.225	.083	.126	-.472
40	461	-.196	.097	.341	-.493
40	462	-.226	.096	.070	-.528
40	463	-.212	.093	.066	-.510
40	464	-.234	.087	.071	-.533
40	465	-.221	.113	.090	-1.114
40	466	-.256	.117	.090	-.945
40	467	-.224	.118	.178	-.747
40	468	-.240	.087	.112	-.633
40	469	-.228	.113	.168	-1.087
40	470	-.261	.121	.132	-.978
40	471	-.232	.126	.165	-1.133
40	472	-.219	.077	.048	-.519
40	473	-.203	.089	.096	-.546
40	474	-.245	.090	.044	-.582
40	475	-.197	.087	.075	-.555
40	476	-.193	.099	.145	-.488
40	477	-.211	.090	.071	-.508
40	478	-.260	.103	.091	-.605
40	479	-.231	.100	.087	-.574
40	501	.154	.116	.746	-.223
40	502	.040	.105	.489	-.300
40	503	.074	.128	.577	-.306
40	504	.116	.140	.736	-.389
40	505	.150	.130	.671	-.336
40	506	.147	.147	.924	-.378
40	507	.166	.131	.617	-.284
40	508	.141	.118	.559	-.283
40	509	.127	.098	.572	-.179
40	510	.041	.100	.466	-.316
40	511	.053	.105	.477	-.310
40	512	.077	.116	.628	-.295
40	513	.101	.112	.536	-.324
40	514	.122	.125	.640	-.327
40	515	.140	.113	.574	-.228
40	516	.115	.102	.475	-.222
40	517	.108	.083	.435	-.163
40	518	.002	.087	.360	-.305
40	519	.035	.106	.486	-.333
40	520	.078	.095	.432	-.223
40	521	.132	.095	.615	-.136
40	522	.110	.114	.678	-.239
40	523	.144	.108	.576	-.147
40	524	.122	.093	.448	-.187
40	525	.123	.085	.395	-.203
40	526	.022	.093	.327	-.295
40	601	-.016	.090	.274	-.333
40	602	-.035	.090	.298	-.356
40	603	.004	.073	.253	-.270
40	604	.033	.089	.325	-.283
40	605	-.033	.084	.263	-.328
40	606	-.021	.086	.247	-.310
40	607	.069	.084	.382	-.253
40	608	.028	.095	.382	-.420
40	609	-.137	.107	.218	-.548
40	610	-.029	.094	.286	-.551
40	611	.058	.075	.337	-.165
40	612	.003	.116	.517	-.410
40	613	.108	.097	.476	-.214
40	614	.118	.094	.496	-.169
40	615	.124	.079	.389	-.150
40	616	.090	.093	.419	-.234
40	617	.063	.095	.382	-.278
40	618	-.021	.103	.404	-.463
40	619	.058	.087	.440	-.253
40	620	.012	.107	.694	-.324
40	621	.118	.094	.450	-.173
40	622	.128	.094	.485	-.160
40	623	.188	.091	.508	-.142
40	624	.180	.115	.613	-.242
40	625	.153	.120	.538	-.185
40	626	.108	.134	.646	-.267
40	701	.007	.082	.266	-.266
40	702	.061	.103	.397	-.425
40	703	.038	.095	.332	-.285
40	704	-.012	.096	.335	-.378
40	705	.140	.082	.466	-.132
40	706	.097	.094	.424	-.239
40	707	.129	.091	.516	-.170
40	708	-.000	.095	.364	-.347
40	709	-.048	.092	.223	-.386
40	710	-.021	.089	.291	-.298
40	711	.036	.088	.319	-.305
40	712	.017	.107	.383	-.397
40	713	.187	.093	.607	-.082
40	714	.104	.097	.499	-.229
40	715	.126	.095	.506	-.175
40	716	.022	.097	.401	-.302
40	717	-.018	.085	.283	-.345
40	718	-.018	.092	.305	-.397
40	719	.110	.090	.416	-.198
40	720	.238	.119	.716	-.107
40	721	-.015	.080	.284	-.276
40	722	.270	.127	.996	-.089
40	723	.251	.124	.964	-.090
40	724	.217	.108	.663	-.130
40	725	.125	.099	.523	-.190
40	726	.154	.107	.509	-.176
40	727	.111	.115	.599	-.244
40	728	-.006	.079	.271	-.228
40	729	.005	.095	.439	-.304
40	801	.053	.105	.427	-.315
40	802	-.018	.089	.252	-.310
40	803	-.014	.094	.373	-.435
40	804	-.011	.119	.399	-.468
40	805	-.013	.091	.308	-.400
40	806	.019	.092	.367	-.384
40	807	.005	.085	.375	-.276
40	808	-.000	.099	.422	-.330

APPENDIX A -- PRESSURE DATA: CONFIGURATION A; ONE LOGAN SQUARE

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
40	809	.000	.094	.405	-.304
40	810	.012	.088	.418	-.297
40	811	.003	.080	.273	-.239
40	812	.035	.099	.389	-.272
40	813	.002	.101	.444	-.319
40	814	.098	.106	.867	-.212
40	815	.145	.109	.509	-.160
40	816	.056	.104	.443	-.316
40	817	.098	.102	.418	-.257
40	818	.086	.134	.514	-.598
40	819	.135	.085	.518	-.162
40	820	.237	.115	.658	-.137
40	821	.161	.106	.519	-.281
40	822	.248	.117	.658	-.079
40	823	.243	.109	.662	-.091
40	901	.015	.086	.283	-.327
40	902	.042	.116	.457	-.496
40	903	.089	.101	.455	-.304
40	904	.089	.085	.431	-.195
40	905	.111	.099	.468	-.230
40	906	-.019	.087	.348	-.317
40	907	.032	.094	.378	-.311
40	908	.080	.082	.397	-.239
40	909	.076	.093	.378	-.242
40	910	-.061	.091	.296	-.387
40	911	-.053	.088	.477	-.214
40	912	-.004	.082	.353	-.299
40	913	.071	.097	.483	-.246
40	914	.055	.096	.388	-.289
40	915	.091	.110	.475	-.332
40	916	.066	.094	.538	-.234
40	917	.100	.093	.450	-.204
40	918	.069	.098	.457	-.247
40	919	.099	.094	.474	-.195
40	920	.133	.085	.418	-.188
40	921	.089	.095	.440	-.264
40	922	.114	.108	.485	-.239
40	923	.202	.127	.696	-.212
40	924	.115	.085	.410	-.147
40	925	.011	.098	.356	-.338
40	1001	-.255	.105	.083	-.861
40	1002	-.118	.107	.243	-.734
40	1003	-.264	.111	.111	-.722
40	1004	.067	.108	.466	-.280
40	1005	.099	.088	.453	-.196
50	1	-.367	.157	.161	-1.028
50	2	-.296	.152	.191	-.901
50	3	-.332	.124	.070	-.851
50	4	-.342	.141	.055	-.858
50	5	-.223	.126	.183	-.756
50	6	-.242	.119	.160	-.738
50	7	-.226	.111	.072	-.995
50	8	-.188	.105	.120	-.646
50	9	-.254	.122	.172	-.921
50	10	-.154	.157	.483	-.783
50	11	-.171	.120	.312	-.536
50	12	-.177	.144	.332	-.731
50	13	-.221	.135	.230	-.684
50	14	-.178	.121	.252	-.732
50	15	-.157	.096	.292	-.482
50	101	.073	.204	.812	-.575
50	102	.126	.253	1.228	-.728
50	103	.056	.249	1.008	-.727
50	104	.179	.226	.916	-.586
50	105	.149	.191	.808	-.523
50	106	.079	.215	.883	-.739
50	107	.058	.203	.883	-.632
50	108	-.048	.185	.627	-.640
50	109	-.140	.152	.442	-.686
50	110	-.089	.153	.482	-.678
50	111	-.082	.104	.405	-.503
50	112	-.141	.129	.351	-.865
50	113	-.181	.154	.675	-.747
50	114	-.180	.148	.359	-.672
50	115	-.145	.165	.413	-.685
50	116	-.146	.166	.342	-.697
50	117	-.157	.158	.438	-.697
50	118	-.177	.111	.203	-.601
50	119	-.147	.104	.184	-.652
50	120	.027	.174	.769	-.547
50	121	.116	.176	.841	-.487
50	122	.134	.144	.647	-.341
50	123	.134	.197	.835	-.398
50	124	.148	.185	.849	-.578
50	125	.131	.154	.683	-.358
50	126	.140	.167	.716	-.651
50	127	.125	.164	.696	-.508
50	128	.131	.141	.562	-.429
50	129	.070	.114	.444	-.346
50	130	.070	.122	.491	-.352
50	131	-.034	.109	.385	-.427
50	132	-.072	.097	.267	-.447
50	133	.008	.138	.611	-.434
50	134	.099	.163	.794	-.375
50	135	.161	.169	.730	-.288
50	136	.208	.176	.870	-.250
50	137	.227	.172	.799	-.334
50	138	.226	.194	.889	-.483
50	139	.176	.194	.804	-.424
50	140	.204	.187	.839	-.382
50	141	.204	.137	.677	-.266
50	142	.188	.139	.664	-.277
50	143	.111	.128	.601	-.345
50	144	-.013	.097	.341	-.384
50	145	-.102	.083	.220	-.389
50	146	-.026	.118	.545	-.495
50	147	.001	.126	.673	-.436
50	148	.124	.138	.687	-.346
50	149	.162	.131	.685	-.157
50	150	.189	.160	.757	-.284
50	151	.158	.166	.738	-.383
50	152	.170	.168	.721	-.468
50	153	.167	.150	.783	-.385
50	154	.184	.147	.759	-.236
50	155	.129	.135	.656	-.271
50	156	.095	.114	.487	-.265
50	157	-.049	.084	.282	-.314
50	158	-.085	.093	.293	-.400
50	159	-.053	.109	.344	-.462
50	160	-.002	.108	.402	-.426
50	161	.066	.098	.536	-.212
50	162	.139	.135	.667	-.236
50	163	.126	.157	.751	-.315
50	164	.147	.159	.740	-.345
50	165	.113	.129	.586	-.373
50	166	.131	.146	.681	-.426
50	167	.109	.135	.561	-.287
50	168	.118	.123	.636	-.293
50	169	.061	.099	.448	-.284
50	170	-.042	.094	.305	-.377
50	171	-.127	.093	.230	-.478
50	172	-.107	.108	.251	-.587
50	173	-.079	.086	.370	-.374
50	174	.022	.101	.474	-.286
50	175	.036	.114	.519	-.314
50	176	.077	.122	.578	-.281
50	177	.059	.105	.585	-.246
50	178	.070	.122	.726	-.289
50	179	.040	.124	.703	-.340
50	180	.075	.115	.659	-.263
50	181	.097	.099	.463	-.225
50	182	.045	.107	.484	-.347
50	183	-.059	.095	.328	-.432
50	184	-.107	.092	.230	-.460
50	185	-.096	.085	.169	-.470
50	186	-.080	.091	.229	-.442
50	187	-.024	.086	.293	-.375
50	188	.026	.094	.383	-.302
50	189	.052	.084	.413	-.219
50	190	.033	.099	.458	-.285

APPENDIX A -- PRESSURE DATA: CONFIGURATION A; ONE LOGAN SQUARE

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
50	191	.036	.099	.457	-.311
50	192	.040	.097	.455	-.275
50	193	.075	.085	.397	-.201
50	194	.071	.099	.480	-.258
50	195	.042	.094	.432	-.268
50	196	-.070	.083	.240	-.322
50	197	-.107	.079	.144	-.417
50	198	.065	.094	.393	-.235
50	199	.049	.098	.369	-.342
50	200	.058	.096	.454	-.251
50	201	.072	.087	.442	-.175
50	202	.061	.101	.495	-.235
50	203	.072	.105	.575	-.230
50	204	.033	.098	.478	-.345
50	205	.067	.092	.356	-.238
50	206	.057	.110	.433	-.300
50	207	-.128	.103	.214	-.581
50	208	-.102	.096	.218	-.471
50	209	-.064	.083	.208	-.407
50	210	.023	.091	.375	-.309
50	211	.032	.086	.355	-.218
50	212	.133	.114	.570	-.211
50	213	.120	.089	.422	-.144
50	214	.008	.094	.364	-.337
50	215	-.093	.080	.190	-.396
50	216	-.016	.104	.421	-.343
50	217	.070	.090	.461	-.212
50	218	.016	.099	.515	-.299
50	219	.070	.101	.465	-.218
50	220	.088	.113	.493	-.221
50	221	.111	.095	.539	-.165
50	222	.111	.112	.583	-.212
50	223	.124	.117	.573	-.213
50	224	.130	.119	.574	-.199
50	225	-.015	.119	.487	-.458
50	301	-.144	.085	.130	-.502
50	302	-.168	.098	.154	-.571
50	303	-.166	.096	.150	-.558
50	304	-.166	.095	.163	-.574
50	305	-.131	.086	.170	-.464
50	306	-.149	.094	.159	-.492
50	307	-.145	.094	.173	-.522
50	308	-.142	.096	.207	-.501
50	309	-.134	.084	.117	-.457
50	310	-.161	.095	.149	-.608
50	311	-.170	.099	.163	-.567
50	312	-.171	.099	.163	-.559
50	313	-.120	.075	.123	-.330
50	314	-.146	.089	.147	-.395
50	315	-.151	.088	.123	-.400
50	316	-.158	.089	.133	-.422
50	317	-.140	.076	.096	-.410
50	318	-.151	.088	.128	-.426
50	319	-.152	.088	.129	-.423
50	320	-.158	.087	.106	-.437
50	321	-.136	.078	.116	-.481
50	322	-.164	.092	.146	-.554
50	323	-.151	.093	.134	-.468
50	324	-.151	.092	.133	-.462
50	325	-.134	.074	.087	-.398
50	326	-.168	.086	.095	-.500
50	327	-.168	.087	.096	-.499
50	328	-.168	.089	.106	-.480
50	329	-.150	.083	.148	-.436
50	330	-.184	.098	.171	-.572
50	331	-.188	.099	.164	-.534
50	332	-.188	.097	.150	-.520
50	333	-.276	.119	.106	-.959
50	334	-.238	.116	.123	-.902
50	335	-.220	.094	.097	-.588
50	336	-.161	.097	.184	-.584
50	337	-.208	.103	.148	-.822
50	338	-.200	.122	.143	-.963
50	339	-.220	.106	.050	-.744
50	340	-.174	.111	.177	-.697
50	341	-.077	.107	.529	-.418
50	342	-.038	.101	.370	-.370
50	343	-.171	.123	.325	-.628
50	344	-.049	.102	.486	-.429
50	345	-.116	.096	.341	-.501
50	346	-.099	.091	.257	-.459
50	401	-.152	.094	.187	-.636
50	402	-.182	.096	.172	-.654
50	403	-.155	.096	.193	-.504
50	404	-.192	.088	.108	-.549
50	405	-.183	.109	.194	-.752
50	406	-.239	.122	.179	-.717
50	407	-.194	.113	.182	-.627
50	408	-.227	.095	.130	-.626
50	409	-.231	.148	.281	-.880
50	410	-.232	.114	.187	-.770
50	411	-.157	.088	.114	-.611
50	412	-.187	.079	.093	-.458
50	413	-.154	.091	.171	-.475
50	414	-.221	.104	.116	-.644
50	415	-.192	.102	.159	-.611
50	416	-.228	.100	.124	-.563
50	417	-.185	.118	.220	-.763
50	418	-.243	.135	.204	-.920
50	419	-.206	.125	.210	-1.026
50	420	-.185	.077	.112	-.499
50	421	-.145	.087	.191	-.509
50	422	-.182	.092	.138	-.536
50	423	-.171	.093	.142	-.528
50	424	-.224	.078	.047	-.521
50	425	-.201	.093	.155	-.551
50	426	-.228	.102	.110	-.596
50	427	-.196	.113	.163	-.741
50	428	-.250	.115	.062	-1.009
50	429	-.216	.128	.200	-.992
50	430	-.191	.089	.108	-.483
50	431	-.159	.087	.107	-.429
50	432	-.184	.074	.047	-.554
50	433	-.160	.088	.108	-.498
50	434	-.225	.093	.108	-.563
50	435	-.226	.097	.140	-.602
50	436	-.260	.098	.041	-.669
50	437	-.217	.130	.196	-.923
50	438	-.265	.147	.204	-1.120
50	439	-.155	.089	.118	-.440
50	440	-.200	.078	.112	-.530
50	441	-.131	.089	.157	-.458
50	442	-.180	.095	.142	-.534
50	443	-.195	.094	.143	-.526
50	444	-.245	.089	.029	-.558
50	445	-.212	.111	.081	-.616
50	446	-.239	.129	.080	-1.140
50	447	-.217	.134	.143	-1.332
50	448	-.272	.126	.077	-1.503
50	449	-.160	.085	.182	-.475
50	450	-.180	.088	.172	-.477
50	451	-.130	.088	.184	-.429
50	452	-.187	.078	.071	-.507
50	453	-.181	.093	.126	-.571
50	454	-.252	.107	.103	-.624
50	455	-.252	.124	.177	-.813
50	456	-.266	.122	.064	-.958
50	457	-.230	.142	.157	-1.379
50	458	-.164	.097	.156	-.568
50	459	-.133	.091	.195	-.501
50	460	-.164	.077	.079	-.413
50	461	-.125	.089	.172	-.403
50	462	-.176	.099	.141	-.521
50	463	-.190	.101	.157	-.579
50	464	-.227	.095	.201	-.648
50	465	-.236	.162	.137	-1.641
50	466	-.273	.171	.086	-1.640
50	467	-.191	.121	.187	-.986
50	468	-.202	.093	.161	-.556
50	469	-.189	.114	.192	-.680

APPENDIX A -- PRESSURE DATA: CONFIGURATION A; ONE LOGAN SQUARE

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
50	470	-.230	.125	.129	-.795
50	471	-.194	.126	.182	-.795
50	472	-.144	.081	.137	-.437
50	473	-.109	.091	.210	-.434
50	474	-.142	.091	.161	-.496
50	475	-.112	.086	.150	-.413
50	476	-.152	.092	.165	-.500
50	477	-.169	.093	.139	-.473
50	478	-.224	.112	.202	-.602
50	479	-.191	.108	.143	-.603
50	501	.063	.097	.420	-.199
50	502	.011	.116	.466	-.431
50	503	.015	.100	.418	-.280
50	504	.022	.110	.512	-.335
50	505	.067	.105	.682	-.289
50	506	.042	.116	.664	-.328
50	507	.071	.117	.622	-.355
50	508	.079	.119	.593	-.337
50	509	.076	.101	.521	-.216
50	510	.005	.103	.360	-.349
50	511	.002	.093	.342	-.304
50	512	.006	.095	.296	-.287
50	513	.031	.083	.393	-.257
50	514	.021	.100	.495	-.312
50	515	.047	.101	.582	-.279
50	516	.049	.104	.533	-.294
50	517	.091	.093	.434	-.188
50	518	-.006	.090	.317	-.265
50	519	.007	.093	.351	-.352
50	520	.019	.091	.341	-.258
50	521	.058	.080	.416	-.214
50	522	.029	.094	.401	-.323
50	523	.063	.092	.397	-.254
50	524	.058	.095	.430	-.227
50	525	.084	.077	.402	-.186
50	526	.003	.083	.348	-.293
50	601	-.033	.083	.258	-.353
50	602	-.049	.082	.239	-.388
50	603	-.005	.079	.267	-.250
50	604	-.006	.090	.346	-.315
50	605	-.047	.091	.260	-.337
50	606	-.034	.093	.283	-.385
50	607	-.037	.076	.364	-.226
50	608	-.001	.095	.362	-.369
50	609	-.126	.100	.216	-.593
50	610	-.048	.087	.228	-.381
50	611	-.034	.076	.301	-.223
50	612	-.040	.098	.481	-.357
50	613	.028	.090	.340	-.295
50	614	.028	.092	.340	-.277
50	615	.079	.080	.325	-.168
50	616	.035	.096	.350	-.263
50	617	.014	.102	.359	-.304
50	618	-.043	.096	.315	-.444
50	619	.026	.079	.306	-.370
50	620	-.019	.090	.306	-.346
50	621	.049	.086	.355	-.218
50	622	.059	.087	.339	-.222
50	623	.105	.085	.510	-.234
50	624	.076	.104	.644	-.363
50	625	.063	.097	.511	-.269
50	626	.033	.100	.518	-.287
50	701	-.014	.079	.274	-.296
50	702	.005	.099	.331	-.454
50	703	.005	.090	.317	-.293
50	704	-.036	.094	.295	-.343
50	705	.095	.088	.449	-.228
50	706	.019	.097	.367	-.277
50	707	.066	.096	.510	-.278
50	708	-.030	.093	.371	-.372
50	709	-.048	.087	.230	-.491
50	710	-.054	.093	.257	-.479
50	711	.005	.088	.304	-.326
50	712	-.003	.103	.358	-.400
50	713	.122	.090	.498	-.133
50	714	.036	.096	.446	-.255
50	715	.056	.091	.483	-.240
50	716	-.013	.089	.382	-.300
50	717	-.027	.082	.254	-.362
50	718	-.039	.089	.253	-.364
50	719	.073	.094	.425	-.254
50	720	.162	.125	.655	-.180
50	721	-.028	.075	.193	-.346
50	722	.171	.119	.643	-.152
50	723	.159	.115	.602	-.184
50	724	.137	.104	.475	-.187
50	725	.078	.092	.483	-.191
50	726	.100	.100	.505	-.184
50	727	.039	.109	.554	-.255
50	728	-.029	.082	.265	-.353
50	729	-.027	.095	.385	-.370
50	801	-.005	.102	.397	-.358
50	802	-.045	.092	.257	-.394
50	803	-.025	.080	.302	-.485
50	804	-.000	.095	.375	-.432
50	805	-.060	.084	.224	-.373
50	806	-.029	.082	.261	-.281
50	807	-.003	.076	.259	-.284
50	808	.002	.089	.269	-.361
50	809	-.042	.087	.253	-.333
50	810	-.023	.082	.225	-.311
50	811	-.036	.072	.215	-.280
50	812	.006	.085	.335	-.300
50	813	-.032	.089	.308	-.359
50	814	.035	.105	.475	-.343
50	815	.108	.118	.572	-.266
50	816	.025	.111	.472	-.332
50	817	.037	.107	.399	-.306
50	818	.029	.134	.433	-.657
50	819	.087	.096	.521	-.185
50	820	.149	.123	.612	-.190
50	821	.077	.119	.578	-.244
50	822	.152	.126	.605	-.200
50	823	.148	.107	.621	-.135
50	901	-.021	.092	.258	-.443
50	902	-.007	.110	.432	-.483
50	903	.045	.107	.441	-.340
50	904	.036	.088	.309	-.237
50	905	.049	.096	.368	-.239
50	906	-.056	.091	.269	-.407
50	907	-.002	.097	.334	-.433
50	908	.024	.090	.413	-.260
50	909	.030	.096	.524	-.283
50	910	-.090	.099	.262	-.432
50	911	.017	.104	.371	-.294
50	912	-.032	.084	.272	-.337
50	913	.014	.093	.305	-.434
50	914	-.023	.092	.254	-.344
50	915	.018	.100	.319	-.370
50	916	.003	.087	.388	-.271
50	917	.058	.098	.399	-.243
50	918	-.003	.102	.352	-.338
50	919	.038	.096	.411	-.275
50	920	.067	.087	.388	-.233
50	921	.040	.100	.486	-.330
50	922	.032	.107	.417	-.311
50	923	.123	.119	.583	-.263
50	924	.046	.084	.319	-.348
50	925	.000	.099	.310	-.370
50	1001	-.182	.105	.122	-.688
50	1002	-.079	.106	.230	-.599
50	1003	-.188	.114	.220	-.636
50	1004	.022	.092	.362	-.299
50	1005	.055	.087	.376	-.205
60	1	-.505	.196	.099	-1.375
60	2	-.362	.174	.181	-1.139
60	3	-.340	.130	.047	-.839
60	4	-.349	.166	.094	-1.162
60	5	-.178	.121	.402	-.606
60	6	-.203	.117	.222	-.693

APPENDIX A -- PRESSURE DATA: CONFIGURATION A; ONE LOGAN SQUARE

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
60	7	-.186	.106	.133	-.671
60	8	-.161	.103	.173	-.504
60	9	-.285	.136	.164	-.909
60	10	-.114	.165	.657	-.608
60	11	-.134	.116	.485	-.552
60	12	-.122	.131	.354	-.589
60	13	-.155	.131	.270	-.599
60	14	-.112	.119	.298	-.624
60	15	-.100	.092	.216	-.495
60	101	.230	.217	.895	-.482
60	102	.256	.254	1.040	-.590
60	103	.136	.244	.941	-.817
60	104	.147	.211	.929	-.483
60	105	.108	.171	.675	-.519
60	106	-.023	.204	.710	-.987
60	107	-.025	.181	.648	-.587
60	108	.002	.149	.551	-.613
60	109	-.023	.127	.389	-.551
60	110	-.013	.135	.579	-.671
60	111	-.036	.098	.354	-.464
60	112	-.109	.108	.346	-.665
60	113	-.112	.164	.716	-.687
60	114	-.071	.137	.544	-.646
60	115	-.097	.147	.545	-.676
60	116	-.137	.154	.465	-.705
60	117	-.073	.139	.375	-.579
60	118	-.089	.094	.246	-.427
60	119	-.096	.098	.232	-.585
60	120	.175	.211	.914	-.469
60	121	.248	.206	.894	-.486
60	122	.240	.166	.803	-.265
60	123	.152	.181	.808	-.340
60	124	.129	.163	.781	-.343
60	125	.073	.140	.577	-.417
60	126	.020	.186	.651	-.653
60	127	.011	.173	.612	-.651
60	128	.081	.138	.650	-.300
60	129	.049	.105	.439	-.305
60	130	.045	.115	.415	-.348
60	131	-.057	.106	.467	-.541
60	132	-.067	.094	.363	-.585
60	133	.133	.167	.817	-.340
60	134	.219	.198	1.023	-.287
60	135	.229	.194	.938	-.268
60	136	.219	.164	.828	-.233
60	137	.139	.137	.726	-.301
60	138	.107	.171	.767	-.468
60	139	-.009	.216	.650	-.849
60	140	.038	.206	.641	-.825
60	141	.099	.112	.518	-.232
60	142	.102	.119	.544	-.279
60	143	.026	.115	.436	-.371
60	144	-.035	.089	.289	-.368
60	145	-.085	.075	.225	-.334
60	146	.037	.132	.671	-.467
60	147	.048	.141	.676	-.339
60	148	.132	.128	.725	-.229
60	149	.146	.115	.569	-.154
60	150	.095	.131	.665	-.380
60	151	.011	.149	.623	-.559
60	152	-.039	.194	.629	-.846
60	153	-.007	.145	.608	-.646
60	154	.075	.116	.637	-.349
60	155	.023	.117	.497	-.292
60	156	.029	.106	.598	-.283
60	157	-.056	.082	.259	-.324
60	158	-.073	.090	.239	-.372
60	159	-.039	.129	.548	-.435
60	160	.022	.124	.596	-.347
60	161	.062	.099	.443	-.238
60	162	.086	.100	.474	-.238
60	163	.008	.110	.420	-.356
60	164	.019	.117	.461	-.535
60	165	-.045	.146	.506	-.638
60	166	-.015	.163	.603	-.674
60	167	.003	.116	.520	-.446
60	168	.032	.108	.513	-.395
60	169	-.006	.095	.409	-.317
60	170	-.055	.096	.368	-.388
60	171	-.138	.095	.275	-.470
60	172	-.097	.113	.441	-.539
60	173	-.051	.091	.429	-.413
60	174	.033	.100	.401	-.401
60	175	.003	.100	.346	-.332
60	176	.027	.100	.374	-.392
60	177	-.004	.092	.400	-.330
60	178	-.015	.124	.471	-.690
60	179	-.056	.125	.456	-.781
60	180	.020	.100	.540	-.272
60	181	.045	.086	.373	-.247
60	182	-.001	.099	.370	-.327
60	183	-.064	.094	.283	-.401
60	184	-.093	.093	.212	-.445
60	185	-.071	.088	.247	-.480
60	186	-.063	.096	.290	-.442
60	187	-.019	.091	.348	-.346
60	188	.015	.092	.361	-.337
60	189	.035	.081	.335	-.200
60	190	.003	.097	.383	-.298
60	191	-.002	.098	.364	-.345
60	192	.002	.097	.376	-.284
60	193	.050	.075	.376	-.218
60	194	.035	.089	.383	-.272
60	195	.016	.087	.336	-.243
60	196	-.071	.086	.262	-.321
60	197	-.084	.070	.159	-.309
60	198	.044	.089	.384	-.210
60	199	.048	.092	.343	-.262
60	200	.023	.087	.342	-.238
60	201	.056	.077	.297	-.174
60	202	.039	.092	.370	-.236
60	203	.039	.092	.339	-.242
60	204	.032	.094	.367	-.256
60	205	.059	.078	.335	-.209
60	206	.036	.091	.348	-.288
60	207	-.091	.094	.322	-.533
60	208	-.074	.088	.319	-.421
60	209	-.042	.091	.251	-.362
60	210	.030	.087	.375	-.311
60	211	.035	.078	.322	-.235
60	212	.085	.101	.469	-.266
60	213	.071	.079	.378	-.202
60	214	-.008	.088	.309	-.315
60	215	-.094	.078	.159	-.335
60	216	.050	.103	.535	-.264
60	217	.099	.088	.458	-.166
60	218	.059	.103	.496	-.264
60	219	.054	.089	.393	-.254
60	220	.052	.090	.372	-.280
60	221	.084	.084	.423	-.184
60	222	.071	.100	.447	-.222
60	223	.085	.104	.453	-.218
60	224	.093	.107	.484	-.216
60	225	-.007	.111	.420	-.375
60	301	-.100	.075	.122	-.361
60	302	-.127	.088	.137	-.454
60	303	-.122	.089	.149	-.442
60	304	-.123	.090	.167	-.435
60	305	-.101	.076	.164	-.450
60	306	-.122	.083	.161	-.548
60	307	-.118	.083	.155	-.466
60	308	-.116	.084	.152	-.532
60	309	-.094	.076	.154	-.400
60	310	-.124	.087	.146	-.422
60	311	-.129	.088	.149	-.441
60	312	-.132	.088	.157	-.440
60	313	-.088	.075	.217	-.382
60	314	-.117	.089	.250	-.450
60	315	-.119	.088	.220	-.460
60	316	-.127	.090	.175	-.446

APPENDIX A -- PRESSURE DATA: CONFIGURATION A: ONE LOGAN SQUARE

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
60	317	-.100	.078	.216	-.391
60	318	-.119	.090	.243	-.429
60	319	-.119	.091	.245	-.433
60	320	-.124	.088	.239	-.448
60	321	-.106	.077	.144	-.407
60	322	-.138	.091	.154	-.492
60	323	-.121	.090	.176	-.408
60	324	-.122	.090	.170	-.408
60	325	-.097	.067	.169	-.324
60	326	-.136	.082	.161	-.395
60	327	-.135	.083	.164	-.392
60	328	-.125	.082	.213	-.379
60	329	-.100	.075	.146	-.383
60	330	-.140	.089	.146	-.536
60	331	-.146	.091	.126	-.567
60	332	-.146	.090	.120	-.514
60	333	-.241	.106	.049	-.877
60	334	-.195	.103	.076	-.719
60	335	-.166	.085	.118	-.529
60	336	-.110	.091	.213	-.424
60	337	-.173	.097	.174	-.560
60	338	-.151	.111	.209	-.836
60	339	-.171	.090	.147	-.645
60	340	-.119	.096	.204	-.495
60	341	-.076	.098	.346	-.423
60	342	-.028	.093	.413	-.332
60	343	-.127	.093	.214	-.541
60	344	-.032	.091	.327	-.380
60	345	-.099	.089	.205	-.474
60	346	-.066	.083	.230	-.397
60	401	-.121	.094	.237	-.617
60	402	-.148	.096	.222	-.613
60	403	-.126	.098	.222	-.807
60	404	-.178	.095	.141	-.595
60	405	-.166	.117	.235	-.858
60	406	-.231	.138	.164	-1.062
60	407	-.202	.121	.137	-.750
60	408	-.262	.113	.100	-.770
60	409	-.309	.216	.387	-1.111
60	410	-.226	.135	.284	-.965
60	411	-.130	.093	.201	-.621
60	412	-.165	.081	.104	-.570
60	413	-.132	.094	.143	-.512
60	414	-.246	.126	.163	-.749
60	415	-.219	.124	.167	-.687
60	416	-.264	.112	.100	-.716
60	417	-.218	.128	.180	-.788
60	418	-.321	.188	.272	-1.358
60	419	-.248	.152	.228	-1.032
60	420	-.168	.077	.077	-.452
60	421	-.128	.087	.140	-.447
60	422	-.174	.094	.156	-.532
60	423	-.169	.095	.167	-.529
60	424	-.231	.096	.096	-.643
60	425	-.221	.119	.121	-.758
60	426	-.262	.131	.122	-.790
60	427	-.244	.146	.149	-.904
60	428	-.312	.157	.117	-1.171
60	429	-.273	.185	.194	-1.286
60	430	-.145	.088	.170	-.456
60	431	-.117	.086	.184	-.394
60	432	-.165	.082	.082	-.509
60	433	-.150	.097	.155	-.509
60	434	-.208	.107	.241	-.652
60	435	-.220	.115	.179	-.666
60	436	-.318	.134	.086	-.782
60	437	-.301	.189	.164	-1.314
60	438	-.382	.236	.267	-1.860
60	439	-.123	.091	.196	-.542
60	440	-.167	.078	.088	-.423
60	441	-.102	.085	.161	-.369
60	442	-.146	.091	.109	-.483
60	443	-.151	.096	.140	-.505
60	444	-.233	.097	.093	-.672
60	445	-.244	.144	.139	-.988
60	446	-.319	.196	.166	-1.719
60	447	-.322	.218	.159	-1.910
60	448	-.344	.178	.059	-1.308
60	449	-.118	.085	.139	-.383
60	450	-.139	.087	.145	-.424
60	451	-.097	.086	.182	-.413
60	452	-.137	.074	.084	-.422
60	453	-.120	.089	.143	-.467
60	454	-.183	.100	.139	-.548
60	455	-.216	.125	.182	-.774
60	456	-.320	.163	.118	-1.145
60	457	-.307	.202	.164	-1.645
60	458	-.124	.082	.156	-.446
60	459	-.093	.077	.153	-.392
60	460	-.119	.073	.129	-.372
60	461	-.086	.083	.215	-.379
60	462	-.126	.088	.211	-.475
60	463	-.122	.093	.230	-.543
60	464	-.161	.095	.134	-.604
60	465	-.241	.175	.149	-1.210
60	466	-.296	.194	.147	-1.162
60	467	-.134	.112	.186	-.578
60	468	-.144	.088	.163	-.471
60	469	-.144	.108	.183	-.607
60	470	-.175	.117	.216	-.704
60	471	-.143	.120	.204	-.765
60	472	-.107	.082	.205	-.368
60	473	-.074	.092	.265	-.365
60	474	-.106	.091	.225	-.376
60	475	-.081	.087	.227	-.358
60	476	-.102	.084	.213	-.406
60	477	-.095	.086	.191	-.343
60	478	-.167	.102	.148	-.565
60	479	-.134	.099	.219	-.490
60	501	.039	.077	.383	-.207
60	502	-.015	.098	.371	-.531
60	503	-.005	.088	.320	-.305
60	504	-.007	.092	.365	-.367
60	505	.018	.079	.359	-.276
60	506	-.019	.093	.456	-.364
60	507	.001	.097	.412	-.337
60	508	.002	.102	.422	-.308
60	509	.037	.086	.364	-.389
60	510	-.015	.092	.350	-.322
60	511	-.010	.083	.305	-.291
60	512	-.010	.083	.360	-.317
60	513	.017	.074	.371	-.278
60	514	-.014	.088	.281	-.321
60	515	.010	.088	.324	-.303
60	516	.013	.094	.370	-.308
60	517	.052	.078	.362	-.205
60	518	-.018	.081	.277	-.306
60	519	-.007	.075	.269	-.248
60	520	-.007	.075	.274	-.252
60	521	.032	.074	.361	-.189
60	522	-.001	.086	.351	-.255
60	523	.022	.091	.388	-.250
60	524	.021	.092	.388	-.256
60	525	.051	.079	.370	-.171
60	526	-.010	.087	.287	-.293
60	601	-.041	.087	.277	-.444
60	602	-.047	.086	.244	-.371
60	603	-.005	.073	.239	-.305
60	604	-.019	.084	.304	-.325
60	605	-.047	.090	.233	-.399
60	606	-.034	.086	.242	-.386
60	607	.024	.072	.270	-.224
60	608	-.025	.088	.285	-.459
60	609	-.094	.088	.230	-.516
60	610	-.048	.087	.259	-.450
60	611	.024	.075	.288	-.209
60	612	-.025	.096	.502	-.355
60	613	.001	.086	.293	-.316
60	614	.005	.084	.281	-.280
60	615	.049	.071	.334	-.180

APPENDIX A -- PRESSURE DATA: CONFIGURATION A: ONE LOGAN SQUARE

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
60	616	.004	.087	.343	-.306
60	617	-.019	.091	.323	-.323
60	618	-.047	.092	.290	-.484
60	619	.009	.081	.296	-.273
60	620	-.019	.095	.314	-.373
60	621	.020	.086	.341	-.284
60	622	.027	.087	.343	-.281
60	623	.098	.078	.446	-.160
60	624	.049	.093	.525	-.326
60	625	.101	.111	.686	-.256
60	626	.094	.121	.703	-.280
60	701	-.008	.076	.216	-.266
60	702	-.004	.094	.361	-.308
60	703	-.007	.088	.255	-.306
60	704	-.027	.094	.358	-.433
60	705	-.057	.077	.302	-.235
60	706	-.014	.091	.342	-.344
60	707	.019	.085	.292	-.263
60	708	-.038	.093	.298	-.366
60	709	-.044	.081	.190	-.451
60	710	-.065	.082	.173	-.376
60	711	.008	.082	.294	-.258
60	712	.012	.096	.423	-.305
60	713	.097	.084	.426	-.169
60	714	.002	.086	.347	-.293
60	715	.019	.084	.352	-.244
60	716	-.005	.091	.390	-.293
60	717	-.026	.084	.288	-.417
60	718	-.055	.086	.261	-.361
60	719	.036	.090	.436	-.253
60	720	.102	.117	.587	-.268
60	721	-.021	.074	.230	-.361
60	722	.102	.101	.558	-.162
60	723	.096	.098	.525	-.173
60	724	.078	.092	.404	-.166
60	725	.086	.091	.473	-.227
60	726	.087	.090	.441	-.197
60	727	.061	.115	.593	-.252
60	728	-.011	.071	.255	-.235
60	729	-.033	.091	.306	-.367
60	801	-.035	.089	.347	-.342
60	802	-.045	.086	.302	-.320
60	803	-.019	.087	.467	-.332
60	804	.002	.092	.346	-.313
60	805	-.077	.090	.306	-.419
60	806	-.027	.091	.398	-.323
60	807	-.018	.075	.257	-.263
60	808	-.004	.085	.300	-.327
60	809	-.062	.091	.258	-.455
60	810	-.033	.085	.238	-.321
60	811	-.043	.072	.240	-.288
60	812	-.000	.084	.352	-.299
60	813	-.052	.088	.264	-.357
60	814	.003	.093	.435	-.268
60	815	.021	.096	.478	-.454
60	816	.003	.102	.462	-.302
60	817	-.019	.094	.374	-.318
60	818	.021	.112	.406	-.697
60	819	.059	.084	.385	-.259
60	820	.091	.099	.435	-.235
60	821	.035	.104	.412	-.320
60	822	.093	.102	.457	-.242
60	823	.104	.095	.466	-.215
60	901	-.029	.094	.347	-.357
60	902	-.048	.088	.257	-.435
60	903	-.006	.095	.349	-.379
60	904	.002	.081	.297	-.335
60	905	.020	.087	.352	-.291
60	906	-.070	.090	.208	-.427
60	907	-.025	.091	.312	-.328
60	908	-.003	.072	.248	-.241
60	909	.006	.080	.328	-.257
60	910	-.101	.088	.257	-.394
60	911	-.013	.087	.350	-.306
60	912	-.047	.081	.226	-.376
60	913	-.017	.084	.304	-.255
60	914	-.040	.087	.287	-.328
60	915	.010	.089	.330	-.322
60	916	-.003	.077	.339	-.273
60	917	.051	.092	.374	-.278
60	918	-.044	.095	.304	-.462
60	919	.011	.085	.335	-.309
60	920	.040	.079	.351	-.232
60	921	.022	.090	.380	-.293
60	922	-.009	.098	.337	-.341
60	923	.052	.100	.415	-.372
60	924	.033	.087	.289	-.340
60	925	.017	.097	.346	-.303
60	1001	-.120	.085	.152	-.472
60	1002	-.060	.094	.250	-.350
60	1003	-.144	.103	.244	-.695
60	1004	.035	.094	.369	-.247
60	1005	.022	.077	.343	-.209
70	1	-.565	.202	-.018	-1.357
70	2	-.351	.199	.253	-1.181
70	3	-.323	.124	.052	-.767
70	4	-.323	.170	.154	-1.255
70	5	-.151	.114	.219	-.662
70	6	-.151	.112	.214	-.733
70	7	-.139	.091	.244	-.546
70	8	-.147	.093	.262	-.587
70	9	-.276	.127	.257	-.772
70	10	-.081	.157	.514	-.606
70	11	-.113	.104	.277	-.491
70	12	-.102	.108	.293	-.571
70	13	-.122	.112	.226	-.558
70	14	-.068	.098	.236	-.467
70	15	-.059	.092	.254	-.402
70	101	.293	.204	1.037	-.406
70	102	.310	.232	1.136	-.435
70	103	.167	.221	.898	-.607
70	104	.150	.194	.903	-.418
70	105	.093	.159	.617	-.371
70	106	-.097	.169	.530	-.907
70	107	-.095	.147	.496	-.739
70	108	.010	.131	.463	-.465
70	109	.009	.105	.470	-.361
70	110	.016	.114	.433	-.483
70	111	-.011	.084	.323	-.270
70	112	-.109	.098	.313	-.492
70	113	-.060	.179	.685	-.717
70	114	-.048	.130	.461	-.516
70	115	-.100	.118	.374	-.485
70	116	-.170	.127	.405	-.647
70	117	-.029	.117	.421	-.457
70	118	-.048	.085	.250	-.418
70	119	-.071	.091	.322	-.475
70	120	.203	.215	.915	-.398
70	121	.266	.207	.932	-.341
70	122	.207	.138	.665	-.243
70	123	.181	.175	.755	-.359
70	124	.137	.148	.822	-.340
70	125	.056	.124	.592	-.414
70	126	-.050	.157	.526	-.919
70	127	-.059	.148	.490	-.772
70	128	.062	.117	.499	-.391
70	129	.048	.099	.397	-.268
70	130	.055	.107	.493	-.299
70	131	-.072	.099	.291	-.378
70	132	-.067	.088	.254	-.336
70	133	.158	.148	.719	-.334
70	134	.256	.178	1.019	-.351
70	135	.260	.188	.888	-.292
70	136	.250	.162	.799	-.202
70	137	.100	.116	.521	-.259
70	138	.042	.135	.578	-.454
70	139	-.160	.177	.411	-.950
70	140	-.087	.174	.423	-.978
70	141	.059	.095	.431	-.268
70	142	.076	.104	.447	-.216

APPENDIX A -- PRESSURE DATA: CONFIGURATION A; ONE LOGAN SQUARE

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
70	143	-.017	.106	.416	-.335
70	144	-.052	.088	.289	-.346
70	145	-.101	.068	.131	-.327
70	146	.073	.132	.639	-.381
70	147	.077	.147	.638	-.344
70	148	.179	.139	.782	-.254
70	149	.128	.113	.578	-.172
70	150	.072	.113	.543	-.343
70	151	-.044	.123	.518	-.502
70	152	-.104	.156	.490	-.725
70	153	-.104	.135	.250	-.650
70	154	.044	.091	.375	-.319
70	155	-.030	.093	.332	-.392
70	156	-.007	.086	.316	-.363
70	157	-.087	.075	.208	-.376
70	158	-.075	.085	.202	-.400
70	159	-.038	.122	.484	-.418
70	160	.034	.118	.523	-.349
70	161	.063	.109	.497	-.223
70	162	.102	.117	.572	-.222
70	163	-.020	.115	.364	-.414
70	164	-.009	.116	.402	-.444
70	165	-.089	.126	.369	-.725
70	166	-.039	.142	.472	-.810
70	167	-.029	.101	.381	-.395
70	168	.013	.094	.421	-.326
70	169	-.039	.081	.243	-.315
70	170	-.055	.087	.258	-.308
70	171	-.151	.090	.167	-.414
70	172	-.075	.103	.281	-.560
70	173	-.050	.084	.293	-.438
70	174	-.046	.093	.414	-.331
70	175	-.007	.095	.354	-.347
70	176	.018	.094	.429	-.289
70	177	-.020	.090	.411	-.401
70	178	-.025	.114	.452	-.703
70	179	-.084	.118	.393	-.794
70	180	.009	.092	.394	-.312
70	181	.029	.077	.267	-.301
70	182	-.022	.089	.254	-.437
70	183	-.076	.089	.229	-.470
70	184	-.099	.088	.209	-.495
70	185	-.026	.088	.307	-.373
70	186	-.033	.096	.331	-.414
70	187	-.005	.091	.291	-.337
70	188	.015	.092	.320	-.330
70	189	.039	.076	.286	-.241
70	190	-.001	.092	.300	-.326
70	191	-.016	.094	.317	-.346
70	192	-.008	.092	.316	-.313
70	193	.048	.083	.389	-.239
70	194	.030	.095	.421	-.338
70	195	.010	.088	.366	-.331
70	196	-.072	.082	.248	-.382
70	197	-.078	.072	.179	-.302
70	198	.048	.091	.359	-.246
70	199	.042	.085	.347	-.276
70	200	.019	.090	.349	-.265
70	201	.052	.075	.333	-.226
70	202	.029	.089	.356	-.285
70	203	.026	.091	.340	-.302
70	204	.024	.091	.354	-.303
70	205	.062	.074	.346	-.205
70	206	.032	.087	.387	-.291
70	207	-.056	.093	.275	-.443
70	208	-.044	.087	.281	-.359
70	209	-.019	.085	.258	-.341
70	210	.051	.095	.413	-.242
70	211	.051	.086	.362	-.205
70	212	.068	.096	.561	-.287
70	213	.067	.078	.368	-.211
70	214	-.012	.089	.383	-.359
70	215	-.098	.076	.150	-.391
70	216	.073	.105	.542	-.320
70	217	.132	.101	.621	-.159
70	218	.093	.115	.576	-.251
70	219	.060	.104	.520	-.279
70	220	.057	.106	.596	-.281
70	221	.091	.089	.395	-.214
70	222	.072	.107	.468	-.271
70	223	.089	.111	.515	-.263
70	224	.102	.114	.550	-.269
70	225	-.014	.106	.479	-.539
70	301	-.084	.074	.164	-.367
70	302	-.117	.087	.164	-.464
70	303	-.114	.088	.147	-.439
70	304	-.115	.089	.163	-.460
70	305	-.082	.077	.162	-.340
70	306	-.113	.087	.172	-.401
70	307	-.112	.086	.166	-.393
70	308	-.103	.086	.187	-.419
70	309	-.069	.074	.215	-.407
70	310	-.108	.087	.223	-.500
70	311	-.113	.088	.219	-.499
70	312	-.111	.088	.222	-.488
70	313	-.072	.074	.178	-.335
70	314	-.108	.088	.196	-.413
70	315	-.111	.088	.164	-.395
70	316	-.115	.089	.161	-.424
70	317	-.081	.071	.144	-.322
70	318	-.108	.083	.151	-.416
70	319	-.110	.083	.147	-.426
70	320	-.118	.082	.136	-.414
70	321	-.083	.071	.164	-.324
70	322	-.119	.085	.172	-.414
70	323	-.106	.083	.172	-.405
70	324	-.106	.082	.171	-.399
70	325	-.085	.068	.150	-.310
70	326	-.128	.081	.170	-.398
70	327	-.130	.082	.177	-.395
70	328	-.121	.082	.154	-.378
70	329	-.091	.071	.165	-.337
70	330	-.136	.085	.166	-.430
70	331	-.145	.087	.167	-.462
70	332	-.142	.086	.162	-.445
70	333	-.241	.101	.091	-.677
70	334	-.186	.097	.139	-.632
70	335	-.159	.075	.094	-.476
70	336	-.112	.083	.184	-.402
70	337	-.186	.090	.131	-.540
70	338	-.141	.098	.150	-.569
70	339	-.152	.090	.096	-.529
70	340	-.104	.099	.215	-.547
70	341	-.074	.100	.275	-.440
70	342	-.019	.095	.373	-.388
70	343	-.121	.090	.208	-.575
70	344	-.031	.094	.390	-.359
70	345	-.092	.091	.247	-.449
70	346	-.046	.084	.222	-.360
70	401	-.102	.096	.247	-.609
70	402	-.129	.099	.226	-.562
70	403	-.107	.101	.241	-.612
70	404	-.148	.102	.194	-.661
70	405	-.145	.133	.318	-1.610
70	406	-.233	.159	.272	-1.125
70	407	-.216	.142	.186	-.939
70	408	-.251	.118	.066	-.828
70	409	-.286	.252	.368	-1.332
70	410	-.198	.147	.388	-.822
70	411	-.106	.090	.170	-.490
70	412	-.136	.083	.120	-.620
70	413	-.111	.099	.194	-.485
70	414	-.227	.129	.193	-.801
70	415	-.202	.128	.222	-.806
70	416	-.284	.132	.096	-.908
70	417	-.250	.147	.168	-.901
70	418	-.299	.245	.445	-1.526
70	419	-.235	.181	.286	-1.141
70	420	-.142	.072	.099	-.408
70	421	-.108	.083	.163	-.371

APPENDIX A -- PRESSURE DATA: CONFIGURATION A: ONE LOGAN SQUARE

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
70	422	-.152	.092	.180	-.503
70	423	-.142	.096	.178	-.658
70	424	-.208	.106	.087	-.854
70	425	-.216	.131	.165	-1.128
70	426	-.279	.140	.098	-1.168
70	427	-.268	.162	.180	-1.263
70	428	-.386	.232	.235	-1.516
70	429	-.344	.245	.251	-1.662
70	430	-.149	.094	.136	-.457
70	431	-.119	.092	.168	-.419
70	432	-.135	.076	.130	-.403
70	433	-.110	.094	.200	-.448
70	434	-.165	.108	.198	-.627
70	435	-.195	.121	.177	-.701
70	436	-.290	.140	.097	-1.021
70	437	-.295	.194	.125	-1.252
70	438	-.304	.240	.188	-1.511
70	439	-.116	.089	.196	-.433
70	440	-.166	.076	.081	-.483
70	441	-.082	.086	.196	-.460
70	442	-.112	.089	.204	-.509
70	443	-.097	.091	.233	-.489
70	444	-.162	.093	.124	-.524
70	445	-.198	.141	.150	-.888
70	446	-.324	.186	.105	-1.527
70	447	-.324	.220	.171	-1.794
70	448	-.312	.181	.179	-1.770
70	449	-.114	.084	.139	-.456
70	450	-.138	.087	.140	-.491
70	451	-.090	.085	.211	-.439
70	452	-.116	.073	.154	-.351
70	453	-.084	.089	.254	-.427
70	454	-.137	.100	.226	-.488
70	455	-.168	.130	.236	-.642
70	456	-.278	.140	.107	-.998
70	457	-.260	.182	.234	-1.191
70	458	-.114	.087	.159	-.394
70	459	-.080	.081	.173	-.345
70	460	-.104	.077	.125	-.393
70	461	-.064	.088	.200	-.437
70	462	-.094	.093	.195	-.511
70	463	-.075	.092	.186	-.473
70	464	-.117	.089	.258	-.476
70	465	-.180	.162	.344	-1.295
70	466	-.233	.196	.343	-1.602
70	467	-.081	.120	.290	-.717
70	468	-.098	.087	.188	-.402
70	469	-.077	.113	.344	-.646
70	470	-.110	.114	.227	-.706
70	471	-.084	.128	.459	-.633

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
70	472	-.070	.076	.236	-.359
70	473	-.036	.086	.323	-.353
70	474	-.068	.086	.344	-.381
70	475	-.036	.084	.309	-.312
70	476	-.064	.084	.226	-.388
70	477	-.056	.081	.205	-.302
70	478	-.130	.096	.195	-.550
70	479	-.093	.097	.240	-.522
70	501	.038	.077	.413	-.219
70	502	-.033	.090	.327	-.306
70	503	-.012	.090	.387	-.330
70	504	-.017	.089	.335	-.332
70	505	.014	.070	.218	-.237
70	506	-.036	.083	.237	-.356
70	507	-.019	.081	.222	-.289
70	508	-.025	.083	.262	-.276
70	509	.020	.073	.284	-.235
70	510	-.025	.084	.275	-.306
70	511	.017	.081	.301	-.323
70	512	-.014	.079	.257	-.295
70	513	.020	.069	.313	-.228
70	514	-.037	.085	.344	-.349
70	515	-.013	.081	.347	-.311
70	516	-.016	.085	.396	-.345
70	517	.032	.072	.261	-.203
70	518	-.021	.085	.263	-.330
70	519	-.003	.083	.288	-.285
70	520	-.009	.081	.250	-.273
70	521	.025	.063	.257	-.214
70	522	-.010	.074	.255	-.279
70	523	.000	.075	.314	-.274
70	524	-.003	.077	.292	-.287
70	525	.036	.074	.282	-.202
70	526	-.007	.088	.298	-.309
70	601	-.042	.085	.246	-.393
70	602	.036	.084	.233	-.308
70	603	.003	.069	.260	-.234
70	604	.023	.082	.296	-.289
70	605	.025	.081	.240	-.307
70	606	-.018	.082	.254	-.416
70	607	.004	.076	.254	-.266
70	608	-.061	.093	.211	-.479
70	609	-.100	.086	.163	-.489
70	610	-.026	.081	.267	-.423
70	611	.022	.075	.278	-.219
70	612	-.014	.098	.431	-.357
70	613	-.008	.090	.283	-.364
70	614	.004	.087	.297	-.304
70	615	.043	.068	.324	-.170
70	616	-.006	.085	.330	-.400

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
70	617	-.033	.090	.368	-.541
70	618	-.034	.090	.416	-.375
70	619	.005	.075	.285	-.297
70	620	-.013	.093	.324	-.361
70	621	.008	.082	.300	-.281
70	622	.013	.084	.318	-.268
70	623	.000	.076	.345	-.154
70	624	.026	.093	.376	-.296
70	625	.097	.110	.588	-.208
70	626	.101	.114	.564	-.219
70	701	-.002	.070	.268	-.262
70	702	.004	.085	.414	-.310
70	703	-.016	.081	.290	-.301
70	704	-.028	.091	.288	-.315
70	705	.056	.078	.323	-.219
70	706	-.028	.091	.320	-.350
70	707	.012	.085	.346	-.281
70	708	-.025	.090	.297	-.406
70	709	-.016	.081	.337	-.319
70	710	-.053	.088	.220	-.350
70	711	-.001	.088	.284	-.302
70	712	.017	.105	.393	-.392
70	713	.103	.083	.461	-.149
70	714	-.005	.086	.311	-.288
70	715	.011	.080	.259	-.259
70	716	-.001	.088	.360	-.267
70	717	-.005	.086	.254	-.343
70	718	-.044	.091	.256	-.389
70	719	.026	.087	.322	-.282
70	720	.100	.113	.694	-.324
70	721	-.012	.076	.267	-.310
70	722	.102	.115	.614	-.223
70	723	.091	.109	.554	-.201
70	724	.074	.102	.516	-.190
70	725	.083	.091	.446	-.193
70	726	.076	.089	.345	-.225
70	727	.062	.115	.555	-.275
70	728	.012	.076	.331	-.223
70	729	-.013	.093	.600	-.313
70	801	-.027	.100	.604	-.397
70	802	-.034	.089	.364	-.374
70	803	-.001	.087	.423	-.268
70	804	.025	.091	.416	-.278
70	805	-.079	.082	.199	-.369
70	806	-.021	.083	.312	-.286
70	807	-.019	.075	.261	-.319
70	808	-.000	.084	.310	-.306
70	809	-.075	.087	.211	-.468
70	810	-.037	.080	.211	-.342
70	811	-.044	.071	.210	-.287

APPENDIX A -- PRESSURE DATA: CONFIGURATION A: ONE LOGAN SQUARE

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
70	812	.006	.082	.358	-.243
70	813	-.059	.086	.331	-.382
70	814	-.013	.089	.380	-.363
70	815	-.006	.092	.465	-.401
70	816	.010	.107	.470	-.465
70	817	-.036	.095	.304	-.461
70	818	.026	.115	.568	-.532
70	819	.061	.080	.352	-.182
70	820	.094	.091	.436	-.224
70	821	.027	.097	.471	-.274
70	822	.095	.095	.459	-.200
70	823	.086	.092	.401	-.172
70	901	-.029	.085	.284	-.342
70	902	-.059	.085	.226	-.343
70	903	-.016	.085	.245	-.320
70	904	-.027	.076	.234	-.366
70	905	.006	.085	.318	-.321
70	906	-.087	.088	.264	-.409
70	907	-.051	.087	.324	-.424
70	908	-.005	.069	.250	-.280
70	909	.008	.079	.290	-.314
70	910	-.114	.088	.190	-.487
70	911	-.023	.086	.350	-.341
70	912	-.067	.086	.188	-.483
70	913	.027	.089	.343	-.279
70	914	-.053	.096	.291	-.406
70	915	.017	.094	.368	-.366
70	916	-.008	.077	.317	-.322
70	917	.047	.090	.407	-.231
70	918	-.065	.092	.245	-.369
70	919	-.000	.082	.278	-.278
70	920	.031	.084	.390	-.247
70	921	.013	.097	.430	-.278
70	922	-.030	.102	.413	-.373
70	923	.026	.099	.410	-.281
70	924	.034	.088	.390	-.396
70	925	.021	.093	.390	-.308
70	1001	-.072	.079	.197	-.381
70	1002	-.033	.091	.255	-.379
70	1003	-.114	.099	.212	-.494
70	1004	.066	.097	.411	-.226
70	1005	.025	.080	.348	-.238
80	1	-.499	.221	-.016	-1.302
80	2	-.180	.157	.244	-.936
80	3	-.269	.119	.094	-.801
80	4	-.236	.154	.280	-.899
80	5	-.124	.103	.258	-.501
80	6	-.092	.100	.285	-.502
80	7	-.071	.087	.195	-.448
80	8	-.116	.095	.163	-.511
80	9	-.331	.179	.183	-1.190
80	10	-.024	.163	.496	-.671
80	11	-.122	.107	.295	-.549
80	12	-.112	.108	.272	-.569
80	13	-.126	.104	.235	-.606
80	14	-.060	.095	.286	-.383
80	15	-.055	.079	.204	-.348
80	101	.230	.185	.885	-.392
80	102	.226	.193	.948	-.414
80	103	.063	.189	.973	-.558
80	104	.046	.164	.668	-.556
80	105	-.021	.141	.624	-.593
80	106	-.170	.155	.503	-.967
80	107	-.186	.141	.376	-.890
80	108	-.037	.112	.398	-.435
80	109	-.055	.094	.277	-.350
80	110	-.013	.101	.401	-.379
80	111	-.031	.073	.266	-.271
80	112	-.126	.092	.212	-.436
80	113	.007	.206	.756	-.638
80	114	-.050	.127	.481	-.535
80	115	-.139	.112	.310	-.552
80	116	-.254	.131	.209	-.814
80	117	-.063	.100	.331	-.432
80	118	-.069	.086	.266	-.461
80	119	-.058	.081	.220	-.357
80	120	.185	.198	.971	-.412
80	121	.188	.178	.832	-.381
80	122	.168	.134	.667	-.289
80	123	.061	.153	.637	-.471
80	124	.030	.132	.477	-.406
80	125	-.080	.126	.371	-.592
80	126	-.164	.184	.346	-1.024
80	127	-.188	.164	.299	-1.042
80	128	-.018	.107	.339	-.404
80	129	-.033	.086	.314	-.396
80	130	.011	.092	.342	-.329
80	131	-.106	.089	.186	-.465
80	132	-.073	.080	.203	-.390
80	133	.168	.170	.837	-.312
80	134	.236	.178	.990	-.239
80	135	.152	.168	.886	-.329
80	136	.140	.145	.651	-.305
80	137	-.013	.122	.453	-.437
80	138	-.048	.148	.454	-.626
80	139	-.260	.194	.330	-1.038
80	140	-.179	.191	.383	-.958
80	141	-.033	.089	.271	-.314
80	142	.025	.094	.358	-.296
80	143	-.067	.099	.276	-.480
80	144	-.059	.085	.246	-.355
80	145	-.110	.073	.143	-.360
80	146	.074	.129	.700	-.454
80	147	.036	.137	.779	-.376
80	148	.114	.120	.715	-.232
80	149	.071	.100	.503	-.253
80	150	.026	.105	.448	-.326
80	151	-.114	.123	.342	-.609
80	152	-.172	.165	.314	-.884
80	153	-.207	.162	.258	-.839
80	154	.013	.098	.408	-.309
80	155	-.065	.101	.329	-.404
80	156	-.023	.092	.269	-.346
80	157	-.099	.072	.164	-.348
80	158	-.059	.080	.230	-.329
80	159	-.054	.103	.358	-.632
80	160	.020	.099	.430	-.490
80	161	.022	.092	.378	-.289
80	162	.078	.098	.427	-.259
80	163	-.057	.106	.375	-.418
80	164	-.041	.110	.383	-.427
80	165	-.135	.113	.244	-.764
80	166	-.061	.122	.343	-.703
80	167	-.060	.095	.289	-.408
80	168	-.004	.089	.375	-.292
80	169	-.066	.074	.218	-.300
80	170	-.043	.079	.265	-.361
80	171	-.144	.085	.179	-.496
80	172	-.054	.090	.270	-.531
80	173	-.070	.082	.299	-.487
80	174	.039	.095	.482	-.315
80	175	-.024	.100	.304	-.365
80	176	.011	.091	.357	-.293
80	177	-.051	.080	.290	-.342
80	178	-.028	.096	.330	-.498
80	179	-.099	.100	.297	-.520
80	180	-.001	.083	.367	-.286
80	181	.024	.074	.287	-.218
80	182	-.025	.087	.274	-.352
80	183	-.068	.086	.248	-.406
80	184	-.083	.086	.233	-.414
80	185	-.000	.080	.383	-.427
80	186	-.018	.089	.423	-.472
80	187	-.008	.082	.303	-.299
80	188	.004	.083	.330	-.278
80	189	.033	.072	.274	-.236
80	190	-.009	.086	.279	-.334
80	191	-.023	.087	.284	-.352
80	192	-.014	.085	.273	-.338
80	193	.031	.074	.323	-.197

APPENDIX A -- PRESSURE DATA: CONFIGURATION A: ONE LOGAN SQUARE

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
80	194	.002	.088	.373	-.266
80	195	-.016	.086	.326	-.306
80	196	-.066	.083	.277	-.360
80	197	-.057	.071	.179	-.325
80	198	.031	.089	.341	-.268
80	199	.025	.086	.399	-.245
80	200	.007	.088	.352	-.309
80	201	.043	.073	.297	-.178
80	202	.017	.088	.336	-.242
80	203	.011	.089	.326	-.244
80	204	.011	.086	.330	-.246
80	205	.040	.072	.249	-.237
80	206	.009	.085	.260	-.320
80	207	-.036	.089	.260	-.406
80	208	-.023	.084	.263	-.330
80	209	-.033	.083	.343	-.346
80	210	.021	.086	.299	-.249
80	211	.016	.076	.280	-.224
80	212	.045	.094	.439	-.213
80	213	.045	.075	.356	-.232
80	214	-.024	.086	.334	-.334
80	215	-.100	.075	.151	-.361
80	216	.037	.093	.428	-.344
80	217	.084	.081	.446	-.215
80	218	.047	.093	.435	-.305
80	219	.023	.087	.325	-.295
80	220	.022	.088	.346	-.307
80	221	.059	.076	.367	-.182
80	222	.034	.092	.397	-.265
80	223	.044	.095	.403	-.252
80	224	.054	.096	.407	-.254
80	225	-.023	.100	.390	-.338
80	301	-.058	.075	.203	-.293
80	302	-.094	.088	.212	-.376
80	303	-.093	.088	.209	-.376
80	304	-.091	.088	.195	-.392
80	305	-.056	.078	.263	-.361
80	306	-.097	.091	.212	-.410
80	307	-.095	.091	.226	-.385
80	308	-.087	.090	.243	-.405
80	309	-.052	.070	.169	-.330
80	310	-.093	.083	.179	-.425
80	311	-.098	.083	.180	-.438
80	312	-.095	.083	.173	-.431
80	313	-.051	.070	.240	-.288
80	314	-.088	.083	.273	-.383
80	315	-.095	.083	.255	-.390
80	316	-.094	.084	.257	-.394
80	317	-.055	.072	.180	-.313
80	318	-.088	.085	.180	-.375
80	319	-.093	.085	.189	-.381
80	320	-.097	.084	.183	-.387
80	321	-.063	.067	.146	-.330
80	322	-.101	.079	.153	-.418
80	323	-.088	.078	.157	-.386
80	324	-.086	.077	.157	-.377
80	325	-.059	.068	.169	-.291
80	326	-.112	.083	.167	-.396
80	327	-.116	.084	.174	-.411
80	328	-.101	.084	.181	-.417
80	329	-.069	.068	.181	-.298
80	330	-.116	.080	.189	-.375
80	331	-.129	.084	.166	-.430
80	332	-.126	.082	.159	-.432
80	333	-.221	.096	.069	-.611
80	334	-.158	.091	.118	-.497
80	335	-.137	.078	.113	-.444
80	336	-.089	.082	.185	-.410
80	337	-.172	.090	.142	-.518
80	338	-.108	.093	.184	-.591
80	339	-.128	.077	.118	-.398
80	340	-.089	.090	.204	-.496
80	341	-.096	.092	.226	-.414
80	342	-.035	.086	.277	-.343
80	343	-.123	.084	.165	-.476
80	344	-.037	.087	.271	-.334
80	345	-.102	.088	.241	-.416
80	346	-.047	.082	.210	-.337
80	401	-.075	.085	.212	-.505
80	402	-.104	.087	.186	-.442
80	403	-.086	.090	.207	-.520
80	404	-.130	.088	.201	-.514
80	405	-.118	.114	.266	-.719
80	406	-.207	.145	.202	-.971
80	407	-.262	.148	.208	-.891
80	408	-.305	.119	.035	-1.096
80	409	-.121	.222	.948	-1.171
80	410	-.126	.154	.720	-.621
80	411	-.084	.082	.196	-.366
80	412	-.117	.078	.178	-.376
80	413	-.093	.096	.290	-.485
80	414	-.268	.151	.160	-.939
80	415	-.250	.151	.171	-.872
80	416	-.292	.139	.118	-.887
80	417	-.295	.167	.203	-1.189
80	418	-.114	.209	.459	-1.365
80	419	-.139	.152	.394	-1.191
80	420	-.113	.075	.121	-.377
80	421	-.079	.086	.198	-.383
80	422	-.110	.095	.181	-.453
80	423	-.087	.098	.239	-.438
80	424	-.138	.091	.133	-.545
80	425	-.142	.118	.202	-.687
80	426	-.249	.138	.190	-.897
80	427	-.268	.140	.118	-.969
80	428	-.211	.201	.279	-1.126
80	429	-.190	.177	.248	-1.310
80	430	-.112	.088	.179	-.453
80	431	-.084	.085	.204	-.424
80	432	-.101	.074	.138	-.412
80	433	-.066	.086	.203	-.433
80	434	-.102	.092	.199	-.490
80	435	-.100	.100	.271	-.536
80	436	-.201	.118	.129	-.805
80	437	-.289	.180	.147	-1.472
80	438	-.275	.244	.291	-1.873
80	439	-.092	.082	.207	-.426
80	440	-.147	.073	.108	-.406
80	441	-.063	.082	.244	-.332
80	442	-.090	.084	.212	-.384
80	443	-.066	.084	.210	-.367
80	444	-.111	.079	.133	-.579
80	445	-.110	.109	.235	-.704
80	446	-.220	.147	.146	-1.076
80	447	-.203	.185	.359	-1.389
80	448	-.168	.117	.235	-1.064
80	449	-.085	.080	.187	-.376
80	450	-.108	.084	.174	-.405
80	451	-.064	.082	.203	-.341
80	452	-.092	.073	.167	-.369
80	453	-.057	.085	.248	-.377
80	454	-.096	.089	.232	-.434
80	455	-.090	.099	.202	-.475
80	456	-.180	.109	.133	-.764
80	457	-.142	.137	.260	-.919
80	458	-.098	.086	.222	-.469
80	459	-.067	.080	.224	-.399
80	460	-.091	.072	.173	-.355
80	461	-.049	.082	.246	-.357
80	462	-.077	.086	.259	-.440
80	463	-.060	.084	.243	-.347
80	464	-.082	.074	.181	-.418
80	465	-.098	.110	.225	-.737
80	466	-.094	.143	.462	-.971
80	467	-.004	.103	.400	-.495
80	468	-.071	.085	.273	-.346
80	469	-.046	.105	.337	-.498
80	470	-.081	.106	.340	-.526
80	471	-.029	.115	.427	-.440
80	472	-.071	.074	.225	-.296

APPENDIX A -- PRESSURE DATA: CONFIGURATION A: ONE LOGAN SQUARE

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
80	473	-.036	.083	.294	-.301
80	474	-.065	.083	.265	-.341
80	475	-.032	.082	.279	-.313
80	476	-.056	.083	.240	-.418
80	477	-.048	.076	.224	-.274
80	478	-.110	.095	.234	-.412
80	479	-.041	.106	.384	-.401
80	501	.035	.067	.276	-.186
80	502	-.033	.080	.315	-.303
80	503	-.025	.083	.283	-.352
80	504	-.019	.080	.243	-.263
80	505	.016	.069	.281	-.222
80	506	-.046	.082	.229	-.370
80	507	-.025	.081	.271	-.309
80	508	-.028	.080	.260	-.284
80	509	.018	.073	.283	-.263
80	510	-.029	.084	.250	-.331
80	511	-.030	.087	.260	-.345
80	512	-.019	.083	.259	-.321
80	513	.017	.065	.251	-.181
80	514	-.048	.081	.231	-.291
80	515	-.020	.076	.263	-.251
80	516	-.023	.078	.266	-.274
80	517	.027	.067	.253	-.234
80	518	-.029	.077	.230	-.353
80	519	-.003	.082	.300	-.317
80	520	-.012	.080	.268	-.297
80	521	.015	.064	.214	-.239
80	522	-.017	.073	.219	-.288
80	523	-.007	.073	.248	-.259
80	524	-.009	.074	.241	-.260
80	525	.029	.068	.268	-.179
80	526	-.021	.082	.261	-.270
80	601	-.045	.081	.223	-.468
80	602	-.043	.080	.234	-.306
80	603	.003	.067	.211	-.278
80	604	-.031	.080	.207	-.351
80	605	-.039	.079	.202	-.347
80	606	-.032	.080	.206	-.337
80	607	.018	.072	.266	-.263
80	608	-.042	.089	.244	-.371
80	609	-.072	.088	.215	-.415
80	610	-.026	.084	.229	-.342
80	611	.015	.070	.278	-.204
80	612	-.025	.092	.319	-.301
80	613	-.016	.086	.289	-.298
80	614	-.008	.085	.252	-.276
80	615	.037	.073	.276	-.198
80	616	-.010	.086	.282	-.320
80	617	-.029	.090	.263	-.332
80	618	-.032	.091	.323	-.325
80	619	.008	.071	.222	-.261
80	620	-.013	.081	.290	-.291
80	621	.001	.075	.281	-.252
80	622	.002	.078	.291	-.269
80	623	.074	.071	.450	-.125
80	624	.010	.087	.460	-.286
80	625	.069	.096	.512	-.261
80	626	.074	.099	.474	-.280
80	701	-.004	.074	.267	-.322
80	702	-.009	.090	.346	-.349
80	703	-.020	.086	.310	-.350
80	704	-.048	.090	.287	-.336
80	705	.048	.075	.327	-.201
80	706	-.037	.093	.249	-.332
80	707	.000	.081	.294	-.253
80	708	-.030	.087	.247	-.323
80	709	.005	.071	.226	-.264
80	710	-.036	.082	.208	-.337
80	711	-.014	.081	.310	-.331
80	712	-.023	.092	.320	-.462
80	713	.057	.074	.373	-.200
80	714	-.011	.086	.373	-.324
80	715	-.005	.082	.350	-.298
80	716	-.009	.088	.367	-.324
80	717	.017	.077	.263	-.262
80	718	-.028	.082	.302	-.389
80	719	.000	.080	.265	-.249
80	720	.037	.101	.695	-.241
80	721	.025	.073	.286	-.283
80	722	.050	.094	.507	-.259
80	723	.041	.090	.445	-.271
80	724	.031	.086	.395	-.270
80	725	.045	.085	.354	-.193
80	726	.049	.089	.382	-.211
80	727	.011	.110	.579	-.300
80	728	.004	.073	.250	-.217
80	729	-.009	.087	.369	-.283
80	801	-.054	.100	.313	-.376
80	802	-.032	.095	.275	-.308
80	803	-.007	.085	.469	-.271
80	804	.036	.094	.472	-.240
80	805	-.089	.090	.244	-.416
80	806	-.028	.090	.402	-.316
80	807	.012	.080	.303	-.233
80	808	.025	.083	.362	-.242
80	809	-.071	.085	.233	-.357
80	810	-.034	.078	.226	-.305
80	811	-.047	.067	.165	-.249
80	812	.013	.080	.390	-.254
80	813	-.059	.083	.243	-.337
80	814	-.009	.091	.351	-.329
80	815	.015	.093	.378	-.253
80	816	.004	.092	.415	-.267
80	817	-.052	.096	.360	-.397
80	818	-.003	.090	.344	-.337
80	819	.013	.074	.342	-.245
80	820	.051	.090	.370	-.254
80	821	-.023	.092	.323	-.311
80	822	.044	.092	.403	-.271
80	823	.039	.081	.392	-.263
80	901	-.026	.086	.351	-.355
80	902	-.076	.084	.237	-.414
80	903	-.019	.085	.300	-.360
80	904	-.024	.073	.214	-.283
80	905	.006	.082	.273	-.271
80	906	-.094	.088	.239	-.443
80	907	-.047	.086	.297	-.415
80	908	-.015	.067	.228	-.251
80	909	-.009	.080	.264	-.435
80	910	-.122	.086	.206	-.471
80	911	-.024	.081	.333	-.297
80	912	-.059	.080	.218	-.458
80	913	.011	.086	.291	-.267
80	914	-.087	.090	.210	-.375
80	915	-.005	.090	.288	-.442
80	916	-.022	.073	.236	-.269
80	917	.028	.083	.429	-.280
80	918	-.069	.086	.251	-.392
80	919	-.005	.078	.258	-.300
80	920	-.003	.072	.217	-.250
80	921	-.001	.084	.302	-.280
80	922	-.058	.087	.221	-.354
80	923	.002	.085	.321	-.261
80	924	-.007	.076	.278	-.395
80	925	.007	.087	.350	-.257
80	1001	-.053	.072	.213	-.322
80	1002	-.017	.083	.302	-.286
80	1003	-.101	.092	.255	-.429
80	1004	.031	.083	.339	-.207
80	1005	-.006	.069	.274	-.251
90	1	-.632	.241	.010	-1.427
90	2	-.083	.101	.273	-.749
90	3	-.218	.121	.105	-.658
90	4	-.169	.110	.193	-.730
90	5	-.092	.092	.211	-.451
90	6	-.054	.087	.236	-.399
90	7	-.011	.076	.265	-.291
90	8	-.127	.082	.113	-.381
90	9	-.479	.216	.038	-1.344

APPENDIX A -- PRESSURE DATA: CONFIGURATION A: ONE LOGAN SQUARE

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
90	10	.121	.181	.760	-.468
90	11	-.134	.090	.277	-.418
90	12	-.146	.097	.153	-.522
90	13	-.131	.096	.173	-.505
90	14	-.053	.085	.216	-.312
90	15	-.041	.076	.210	-.417
90	101	.279	.175	.893	-.387
90	102	.249	.162	.927	-.229
90	103	.053	.151	.649	-.548
90	104	-.009	.138	.481	-.620
90	105	-.153	.109	.274	-.533
90	106	-.384	.153	.093	-.927
90	107	-.395	.161	.100	-.990
90	108	-.110	.093	.257	-.414
90	109	-.098	.080	.214	-.411
90	110	-.020	.084	.304	-.360
90	111	-.036	.068	.244	-.245
90	112	-.133	.086	.154	-.418
90	113	.134	.216	.865	-1.072
90	114	-.086	.108	.306	-.463
90	115	-.221	.104	.127	-.625
90	116	-.370	.128	.044	-.843
90	117	-.082	.088	.218	-.376
90	118	-.091	.077	.159	-.346
90	119	-.048	.081	.275	-.307
90	120	.253	.179	.868	-.485
90	121	.216	.150	.794	-.187
90	122	.121	.105	.587	-.199
90	123	.014	.119	.562	-.335
90	124	-.080	.104	.376	-.419
90	125	-.264	.111	.068	-.679
90	126	-.369	.191	.059	-1.107
90	127	-.374	.165	.040	-1.115
90	128	-.103	.094	.228	-.659
90	129	-.106	.078	.145	-.450
90	130	-.017	.083	.253	-.339
90	131	-.125	.089	.160	-.467
90	132	-.074	.084	.197	-.417
90	133	.274	.178	.851	-.288
90	134	.311	.171	.906	-.208
90	135	.146	.146	.644	-.259
90	136	.084	.111	.510	-.268
90	137	-.182	.101	.183	-.551
90	138	-.228	.128	.164	-.751
90	139	-.505	.176	-.024	-1.220
90	140	-.418	.174	.074	-1.138
90	141	-.131	.082	.137	-.504
90	142	-.018	.080	.260	-.289
90	143	-.105	.086	.188	-.422
90	144	-.068	.079	.175	-.346
90	145	-.147	.071	.129	-.369
90	146	.128	.159	.794	-.610
90	147	.062	.155	.662	-.706
90	148	.105	.120	.535	-.290
90	149	-.000	.096	.365	-.288
90	150	-.062	.102	.300	-.442
90	151	-.245	.123	.184	-.728
90	152	-.335	.166	.297	-.916
90	153	-.394	.179	.091	-1.129
90	154	-.030	.091	.305	-.536
90	155	-.101	.089	.231	-.415
90	156	-.041	.082	.270	-.319
90	157	-.132	.073	.102	-.376
90	158	-.058	.080	.203	-.334
90	159	-.091	.106	.275	-.556
90	160	-.012	.098	.368	-.462
90	161	-.030	.096	.507	-.334
90	162	.052	.104	.488	-.307
90	163	-.117	.111	.263	-.617
90	164	-.107	.113	.250	-.666
90	165	-.247	.120	.122	-.724
90	166	-.133	.130	.243	-.679
90	167	-.099	.094	.223	-.457
90	168	-.029	.086	.266	-.365
90	169	-.105	.080	.163	-.425
90	170	-.046	.085	.230	-.375
90	171	-.153	.092	.158	-.507
90	172	-.036	.098	.416	-.475
90	173	-.083	.081	.256	-.376
90	174	.035	.090	.414	-.289
90	175	-.045	.099	.370	-.369
90	176	-.012	.091	.349	-.323
90	177	-.107	.087	.197	-.469
90	178	-.068	.101	.205	-.528
90	179	-.144	.109	.153	-.707
90	180	-.017	.083	.236	-.294
90	181	.019	.072	.291	-.243
90	182	-.031	.085	.272	-.364
90	183	-.066	.083	.241	-.394
90	184	-.074	.082	.217	-.400
90	185	.019	.078	.419	-.264
90	186	-.011	.088	.423	-.334
90	187	-.018	.082	.352	-.294
90	188	-.013	.082	.391	-.279
90	189	.020	.070	.277	-.213
90	190	-.028	.085	.289	-.312
90	191	-.048	.087	.297	-.343
90	192	-.036	.085	.291	-.328
90	193	.022	.069	.283	-.217
90	194	-.014	.082	.258	-.314
90	195	-.033	.081	.263	-.335
90	196	-.070	.079	.177	-.385
90	197	-.048	.070	.212	-.279
90	198	.006	.084	.335	-.291
90	199	-.006	.082	.270	-.285
90	200	-.019	.085	.313	-.310
90	201	.020	.067	.265	-.195
90	202	-.012	.082	.329	-.266
90	203	-.017	.082	.282	-.255
90	204	-.017	.081	.317	-.277
90	205	.025	.069	.245	-.236
90	206	-.008	.083	.264	-.344
90	207	-.031	.085	.252	-.318
90	208	-.022	.083	.255	-.308
90	209	-.057	.082	.223	-.361
90	210	.003	.084	.258	-.276
90	211	-.006	.074	.215	-.265
90	212	.004	.084	.286	-.255
90	213	.027	.068	.275	-.178
90	214	-.036	.083	.304	-.302
90	215	-.094	.069	.149	-.340
90	216	.007	.090	.338	-.253
90	217	.061	.077	.399	-.179
90	218	.028	.091	.419	-.247
90	219	-.002	.088	.344	-.379
90	220	-.000	.085	.297	-.311
90	221	.038	.067	.299	-.172
90	222	.008	.081	.339	-.258
90	223	.013	.085	.350	-.255
90	224	.024	.085	.395	-.252
90	225	-.024	.086	.321	-.316
90	301	-.041	.075	.246	-.411
90	302	-.079	.088	.262	-.522
90	303	-.084	.089	.258	-.567
90	304	-.080	.089	.253	-.526
90	305	-.041	.068	.211	-.307
90	306	-.083	.082	.218	-.396
90	307	-.087	.082	.201	-.395
90	308	-.079	.081	.227	-.357
90	309	-.038	.071	.262	-.274
90	310	-.077	.085	.285	-.352
90	311	-.086	.086	.283	-.362
90	312	-.080	.085	.290	-.346
90	313	-.039	.071	.211	-.292
90	314	-.079	.085	.220	-.387
90	315	-.088	.086	.206	-.403
90	316	-.083	.087	.211	-.395
90	317	-.046	.069	.161	-.275
90	318	-.084	.082	.180	-.355
90	319	-.094	.083	.171	-.369

APPENDIX A -- PRESSURE DATA: CONFIGURATION A; ONE LOGAN SQUARE

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
90	320	-.095	.082	.156	-.346
90	321	-.053	.070	.198	-.351
90	322	-.090	.083	.207	-.429
90	323	-.083	.083	.200	-.394
90	324	-.078	.082	.208	-.387
90	325	-.051	.075	.199	-.287
90	326	-.118	.095	.190	-.429
90	327	-.124	.096	.185	-.430
90	328	-.082	.088	.226	-.377
90	329	-.043	.069	.164	-.313
90	330	-.090	.083	.152	-.429
90	331	-.117	.089	.139	-.446
90	332	-.113	.087	.144	-.465
90	333	-.208	.094	.074	-.555
90	334	-.137	.089	.126	-.621
90	335	-.118	.075	.122	-.402
90	336	-.065	.081	.208	-.391
90	337	-.155	.088	.122	-.507
90	338	-.089	.087	.167	-.487
90	339	-.108	.073	.168	-.373
90	340	-.066	.083	.257	-.421
90	341	-.106	.084	.175	-.413
90	342	-.035	.078	.222	-.327
90	343	-.104	.077	.177	-.384
90	344	-.030	.080	.244	-.310
90	345	-.111	.085	.187	-.420
90	346	-.047	.079	.236	-.338
90	401	-.072	.081	.195	-.403
90	402	-.101	.083	.165	-.436
90	403	-.067	.084	.190	-.386
90	404	-.100	.081	.181	-.440
90	405	-.084	.100	.231	-.672
90	406	-.156	.132	.210	-.922
90	407	-.351	.179	.196	-1.128
90	408	-.431	.133	.036	-.935
90	409	-.079	.167	.646	-.777
90	410	-.012	.163	.723	-.556
90	411	-.064	.083	.214	-.335
90	412	-.099	.075	.133	-.429
90	413	-.065	.089	.201	-.481
90	414	-.289	.193	.230	-1.040
90	415	-.282	.192	.272	-1.036
90	416	-.252	.135	.125	-.898
90	417	-.408	.178	.056	-1.139
90	418	.057	.161	.716	-.666
90	419	-.059	.128	.419	-.506
90	420	-.113	.069	.130	-.339
90	421	-.072	.079	.204	-.346
90	422	-.086	.083	.219	-.390
90	423	-.055	.082	.256	-.370
90	424	-.087	.081	.167	-.402
90	425	-.074	.104	.281	-.505
90	426	-.224	.163	.270	-.914
90	427	-.340	.151	.092	-1.022
90	428	.014	.174	.703	-1.223
90	429	-.105	.175	.427	-1.258
90	430	-.118	.086	.175	-.394
90	431	-.088	.083	.200	-.353
90	432	-.087	.077	.137	-.349
90	433	-.046	.089	.209	-.352
90	434	-.077	.092	.193	-.400
90	435	-.058	.095	.276	-.421
90	436	-.142	.114	.134	-.749
90	437	-.358	.195	.168	-1.143
90	438	-.105	.238	.663	-1.272
90	439	-.088	.082	.182	-.406
90	440	-.150	.079	.140	-.474
90	441	-.052	.088	.228	-.340
90	442	-.078	.092	.237	-.429
90	443	-.051	.090	.258	-.361
90	444	-.083	.078	.192	-.366
90	445	-.065	.095	.236	-.453
90	446	-.212	.146	.165	-1.015
90	447	-.094	.188	.499	-1.189
90	448	-.120	.107	.419	-.763
90	449	-.086	.086	.203	-.462
90	450	-.108	.088	.195	-.484
90	451	-.056	.084	.251	-.346
90	452	-.075	.075	.175	-.339
90	453	-.041	.085	.220	-.356
90	454	-.076	.089	.205	-.387
90	455	-.057	.089	.225	-.357
90	456	-.130	.093	.168	-.682
90	457	-.084	.127	.476	-.670
90	458	-.086	.087	.259	-.410
90	459	-.054	.082	.264	-.370
90	460	-.076	.073	.171	-.357
90	461	-.038	.083	.246	-.363
90	462	-.068	.087	.229	-.396
90	463	-.050	.084	.230	-.385
90	464	-.073	.082	.183	-.371
90	465	-.072	.106	.243	-.541
90	466	-.088	.133	.425	-.996
90	467	-.028	.103	.436	-.371
90	468	-.061	.085	.242	-.311
90	469	-.036	.098	.295	-.377
90	470	-.071	.104	.275	-.518
90	471	-.030	.102	.348	-.437
90	472	-.070	.074	.167	-.314
90	473	-.036	.083	.231	-.311
90	474	-.067	.085	.208	-.344
90	475	-.035	.082	.227	-.328
90	476	-.052	.081	.197	-.343
90	477	-.036	.076	.276	-.290
90	478	-.106	.091	.234	-.455
90	479	-.038	.091	.309	-.392
90	501	.028	.070	.313	-.197
90	502	-.037	.078	.210	-.308
90	503	-.027	.084	.265	-.354
90	504	-.016	.081	.272	-.298
90	505	.017	.073	.264	-.210
90	506	-.043	.086	.234	-.329
90	507	-.021	.085	.243	-.295
90	508	-.022	.085	.277	-.330
90	509	.015	.075	.292	-.230
90	510	-.033	.086	.251	-.300
90	511	-.047	.094	.256	-.398
90	512	-.021	.087	.253	-.324
90	513	.021	.066	.280	-.187
90	514	-.044	.081	.205	-.283
90	515	-.016	.077	.225	-.271
90	516	-.016	.078	.223	-.279
90	517	.025	.072	.274	-.209
90	518	-.035	.084	.263	-.307
90	519	-.005	.082	.276	-.248
90	520	-.015	.082	.261	-.286
90	521	.006	.069	.227	-.280
90	522	-.023	.079	.232	-.352
90	523	-.013	.079	.249	-.333
90	524	-.014	.079	.252	-.324
90	525	.030	.069	.243	-.200
90	526	-.022	.084	.241	-.296
90	601	-.045	.082	.220	-.309
90	602	-.046	.083	.225	-.313
90	603	.002	.066	.253	-.201
90	604	-.026	.078	.279	-.270
90	605	-.042	.079	.250	-.337
90	606	-.032	.079	.253	-.284
90	607	.017	.068	.227	-.209
90	608	-.035	.082	.224	-.302
90	609	-.080	.082	.245	-.378
90	610	-.048	.080	.219	-.330
90	611	.009	.066	.243	-.229
90	612	-.035	.084	.248	-.326
90	613	-.027	.079	.234	-.332
90	614	-.020	.080	.234	-.319
90	615	.022	.071	.237	-.223
90	616	-.021	.084	.253	-.315
90	617	-.038	.085	.238	-.340
90	618	-.038	.088	.260	-.355

APPENDIX A -- PRESSURE DATA: CONFIGURATION A: ONE LOGAN SQUARE

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
90	619	-.010	.072	.180	-.259
90	620	-.023	.087	.231	-.319
90	621	-.020	.081	.214	-.295
90	622	-.019	.083	.245	-.277
90	623	-.047	.069	.263	-.177
90	624	-.014	.084	.247	-.280
90	625	.030	.091	.451	-.236
90	626	.031	.093	.469	-.242
90	701	-.009	.070	.215	-.223
90	702	-.027	.083	.255	-.356
90	703	-.024	.078	.210	-.292
90	704	-.056	.081	.189	-.333
90	705	-.032	.072	.253	-.307
90	706	-.048	.084	.298	-.363
90	707	-.015	.078	.256	-.324
90	708	-.035	.081	.248	-.370
90	709	-.005	.073	.235	-.263
90	710	-.038	.081	.240	-.345
90	711	-.016	.082	.244	-.309
90	712	-.039	.089	.308	-.494
90	713	.040	.066	.252	-.177
90	714	-.020	.078	.218	-.314
90	715	-.019	.075	.198	-.320
90	716	-.017	.079	.231	-.303
90	717	-.017	.071	.278	-.254
90	718	-.033	.081	.231	-.335
90	719	-.013	.081	.276	-.346
90	720	-.004	.091	.329	-.331
90	721	.014	.074	.261	-.281
90	722	.030	.087	.478	-.257
90	723	.018	.088	.400	-.272
90	724	.013	.084	.284	-.269
90	725	.015	.075	.433	-.250
90	726	.025	.079	.260	-.268
90	727	-.032	.095	.381	-.352
90	728	-.015	.071	.205	-.283
90	729	-.010	.081	.254	-.305
90	801	-.077	.103	.373	-.430
90	802	-.018	.081	.284	-.342
90	803	-.013	.083	.624	-.334
90	804	.041	.100	.755	-.296
90	805	-.076	.086	.204	-.430
90	806	.006	.091	.381	-.342
90	807	.035	.078	.323	-.209
90	808	.042	.086	.378	-.245
90	809	-.066	.085	.264	-.345
90	810	-.020	.079	.309	-.283
90	811	-.037	.069	.191	-.323
90	812	.028	.081	.314	-.282
90	813	-.062	.088	.386	-.362
90	814	-.008	.092	.413	-.367
90	815	-.015	.085	.574	-.281
90	816	-.001	.084	.364	-.294
90	817	-.072	.089	.244	-.671
90	818	-.019	.082	.296	-.352
90	819	-.010	.077	.489	-.249
90	820	-.035	.089	.446	-.238
90	821	-.052	.098	.830	-.355
90	822	.023	.093	.571	-.246
90	823	.010	.077	.327	-.274
90	901	-.025	.080	.234	-.343
90	902	-.096	.090	.262	-.417
90	903	-.013	.084	.299	-.323
90	904	-.026	.077	.270	-.292
90	905	.001	.086	.329	-.308
90	906	-.105	.094	.185	-.445
90	907	-.051	.092	.284	-.457
90	908	-.032	.070	.231	-.266
90	909	-.033	.084	.271	-.330
90	910	-.134	.091	.174	-.475
90	911	-.027	.080	.252	-.307
90	912	-.062	.073	.248	-.385
90	913	.001	.082	.286	-.349
90	914	-.115	.093	.206	-.456
90	915	-.017	.084	.272	-.372
90	916	-.041	.073	.234	-.308
90	917	.010	.084	.343	-.321
90	918	-.086	.090	.238	-.425
90	919	-.018	.081	.269	-.340
90	920	-.018	.073	.253	-.289
90	921	-.008	.085	.291	-.289
90	922	-.079	.091	.207	-.434
90	923	-.014	.087	.281	-.338
90	924	-.026	.071	.230	-.361
90	925	-.000	.079	.331	-.284
90	1001	-.051	.071	.177	-.315
90	1002	-.012	.079	.241	-.333
90	1003	-.100	.092	.206	-.417
90	1004	-.007	.081	.301	-.342
90	1005	-.028	.066	.221	-.252
100	1	-.450	.245	.151	-1.306
100	2	-.090	.124	.293	-.695
100	3	-.111	.097	.128	-.578
100	4	-.121	.101	.199	-.502
100	5	-.139	.097	.154	-.473
100	6	-.051	.079	.171	-.393
100	7	.024	.077	.293	-.276
100	8	-.133	.089	.211	-.428
100	9	-.374	.197	.244	-1.403
100	10	.162	.150	.676	-.348
100	11	-.127	.085	.151	-.407
100	12	-.174	.095	.139	-.469
100	13	-.120	.090	.179	-.506
100	14	-.053	.083	.218	-.329
100	15	-.026	.076	.249	-.303
100	101	.110	.218	.809	-.671
100	102	.100	.165	.803	-.664
100	103	.029	.118	.551	-.478
100	104	-.078	.107	.395	-.455
100	105	-.156	.091	.248	-.492
100	106	-.394	.135	.037	-.899
100	107	-.377	.136	.109	-.932
100	108	-.149	.096	.206	-.621
100	109	-.074	.070	.220	-.291
100	110	-.059	.079	.238	-.307
100	111	-.047	.068	.188	-.267
100	112	-.065	.077	.182	-.325
100	113	.109	.236	.901	-.803
100	114	-.026	.088	.310	-.357
100	115	-.263	.099	.078	-.643
100	116	-.326	.114	.059	-.750
100	117	-.083	.084	.226	-.389
100	118	-.048	.068	.211	-.270
100	119	-.035	.082	.240	-.306
100	120	.099	.194	.763	-.942
100	121	.107	.136	.663	-.723
100	122	.064	.092	.451	-.257
100	123	-.010	.102	.379	-.322
100	124	-.155	.096	.179	-.430
100	125	-.277	.106	.069	-.651
100	126	-.435	.173	.021	-1.107
100	127	-.404	.168	.021	-1.051
100	128	-.160	.108	.218	-.738
100	129	-.082	.076	.139	-.440
100	130	-.055	.080	.184	-.336
100	131	-.067	.079	.190	-.324
100	132	-.069	.078	.194	-.326
100	133	.167	.184	.707	-.644
100	134	.175	.170	.775	-.642
100	135	.096	.117	.588	-.256
100	136	.002	.103	.463	-.318
100	137	-.167	.083	.112	-.437
100	138	-.255	.108	.070	-.606
100	139	-.354	.129	-.036	-1.023
100	140	-.353	.131	-.032	-1.051
100	141	-.156	.102	.151	-.636
100	142	-.061	.082	.225	-.358
100	143	-.059	.079	.179	-.363
100	144	-.067	.077	.206	-.358
100	145	-.084	.063	.112	-.351

APPENDIX A -- PRESSURE DATA: CONFIGURATION A: ONE LOGAN SQUARE

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
100	146	.016	.168	.583	-.831
100	147	.037	.139	.497	-.879
100	148	.034	.094	.437	-.281
100	149	-.029	.080	.281	-.292
100	150	-.148	.105	.239	-.540
100	151	-.237	.123	.157	-.753
100	152	-.368	.171	.102	-1.165
100	153	-.344	.151	.095	-1.063
100	154	-.092	.111	.209	-.660
100	155	-.037	.089	.227	-.399
100	156	-.047	.084	.236	-.349
100	157	-.082	.068	.164	-.293
100	158	-.079	.079	.213	-.326
100	159	-.062	.128	.358	-.877
100	160	-.034	.115	.322	-.680
100	161	-.020	.072	.251	-.260
100	162	-.022	.087	.304	-.278
100	163	-.107	.100	.260	-.452
100	164	-.152	.113	.233	-.670
100	165	-.236	.121	.067	-.680
100	166	-.209	.139	.194	-.777
100	167	-.069	.085	.283	-.452
100	168	-.047	.080	.219	-.334
100	169	-.064	.068	.187	-.314
100	170	-.064	.079	.221	-.343
100	171	-.079	.081	.222	-.374
100	172	-.050	.108	.297	-.572
100	173	-.043	.079	.230	-.427
100	174	-.012	.081	.446	-.530
100	175	-.028	.084	.267	-.359
100	176	-.060	.084	.272	-.364
100	177	-.097	.077	.221	-.421
100	178	-.122	.095	.250	-.631
100	179	-.120	.096	.259	-.564
100	180	-.049	.079	.240	-.329
100	181	.004	.067	.262	-.238
100	182	-.041	.080	.259	-.313
100	183	-.065	.081	.214	-.349
100	184	-.063	.081	.223	-.346
100	185	-.025	.081	.294	-.294
100	186	-.007	.090	.335	-.351
100	187	-.032	.081	.248	-.393
100	188	-.035	.081	.229	-.305
100	189	-.007	.073	.235	-.264
100	190	-.056	.088	.238	-.371
100	191	-.079	.090	.248	-.398
100	192	-.066	.089	.246	-.373
100	193	.002	.071	.271	-.254
100	194	-.034	.085	.263	-.362
100	195	-.051	.084	.246	-.420

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
100	196	-.062	.085	.242	-.403
100	197	-.032	.067	.193	-.286
100	198	-.033	.079	.228	-.359
100	199	-.032	.078	.221	-.289
100	200	-.053	.080	.215	-.383
100	201	-.008	.071	.245	-.289
100	202	-.044	.085	.251	-.355
100	203	-.049	.086	.262	-.369
100	204	-.039	.083	.235	-.355
100	205	-.001	.067	.217	-.270
100	206	-.035	.082	.237	-.356
100	207	-.032	.091	.290	-.426
100	208	-.020	.086	.369	-.396
100	209	-.073	.079	.226	-.353
100	210	-.031	.082	.237	-.333
100	211	-.042	.072	.202	-.297
100	212	-.027	.079	.208	-.297
100	213	.005	.064	.209	-.229
100	214	-.046	.078	.194	-.341
100	215	-.071	.071	.164	-.336
100	216	-.021	.085	.306	-.369
100	217	.020	.067	.250	-.227
100	218	-.011	.082	.273	-.308
100	219	-.051	.083	.261	-.333
100	220	-.037	.082	.254	-.320
100	221	.003	.069	.230	-.235
100	222	-.033	.084	.233	-.326
100	223	-.037	.085	.242	-.343
100	224	-.023	.084	.255	-.330
100	225	-.035	.080	.230	-.307
100	301	-.027	.067	.205	-.267
100	302	-.065	.080	.211	-.351
100	303	-.078	.082	.199	-.355
100	304	-.069	.081	.208	-.340
100	305	-.034	.073	.208	-.325
100	306	-.074	.087	.231	-.436
100	307	-.085	.088	.222	-.447
100	308	-.074	.087	.226	-.410
100	309	-.030	.067	.193	-.285
100	310	-.070	.080	.193	-.355
100	311	-.084	.081	.182	-.369
100	312	-.072	.080	.190	-.369
100	313	-.031	.066	.172	-.280
100	314	-.071	.080	.183	-.371
100	315	-.085	.080	.182	-.385
100	316	-.073	.081	.199	-.381
100	317	-.034	.068	.184	-.297
100	318	-.081	.081	.188	-.376
100	319	-.096	.082	.174	-.404
100	320	-.086	.081	.179	-.402

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
100	321	-.044	.070	.185	-.384
100	322	-.081	.084	.200	-.495
100	323	-.093	.088	.273	-.437
100	324	-.083	.087	.271	-.408
100	325	-.049	.070	.186	-.330
100	326	-.105	.091	.187	-.443
100	327	-.115	.092	.172	-.452
100	328	-.070	.085	.191	-.412
100	329	-.030	.071	.204	-.290
100	330	-.071	.085	.212	-.401
100	331	-.110	.103	.196	-.701
100	332	-.099	.101	.205	-.612
100	333	-.172	.095	.112	-.507
100	334	-.096	.090	.173	-.467
100	335	-.094	.069	.139	-.357
100	336	-.042	.075	.225	-.298
100	337	-.138	.083	.161	-.429
100	338	-.066	.078	.194	-.361
100	339	-.083	.072	.154	-.343
100	340	-.036	.080	.250	-.310
100	341	-.123	.086	.190	-.403
100	342	-.044	.080	.228	-.284
100	343	-.070	.073	.184	-.313
100	344	-.019	.080	.244	-.283
100	345	-.111	.086	.195	-.400
100	346	-.038	.080	.246	-.316
100	401	-.058	.084	.201	-.381
100	402	-.084	.086	.189	-.410
100	403	-.036	.083	.268	-.340
100	404	-.070	.073	.187	-.329
100	405	-.045	.086	.233	-.510
100	406	-.088	.093	.252	-.758
100	407	-.207	.186	.286	-.971
100	408	-.427	.132	.056	-.951
100	409	.256	.162	.763	-.222
100	410	.159	.186	.793	-.497
100	411	-.053	.080	.195	-.324
100	412	-.081	.065	.145	-.321
100	413	-.036	.077	.227	-.347
100	414	-.124	.131	.280	-.832
100	415	-.106	.133	.341	-.799
100	416	-.093	.112	.208	-.727
100	417	-.370	.192	.180	-1.291
100	418	.197	.164	.822	-.234
100	419	.078	.145	.688	-.348
100	420	-.106	.071	.125	-.372
100	421	-.061	.080	.193	-.366
100	422	-.069	.083	.190	-.420
100	423	-.039	.082	.239	-.364
100	424	-.068	.071	.169	-.323

APPENDIX A -- PRESSURE DATA: CONFIGURATION A: ONE LOGAN SQUARE

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
100	425	-.037	.083	.272	-.354
100	426	-.111	.125	.243	-.894
100	427	-.323	.150	.217	-1.213
100	428	.177	.143	.772	-.283
100	429	.040	.139	.588	-.556
100	430	-.105	.082	.133	-.462
100	431	-.075	.079	.154	-.415
100	432	-.077	.077	.225	-.357
100	433	-.037	.088	.331	-.352
100	434	-.068	.092	.359	-.400
100	435	-.041	.090	.303	-.342
100	436	-.084	.085	.169	-.357
100	437	-.296	.192	.324	-1.161
100	438	.060	.172	.707	-1.210
100	439	-.078	.079	.160	-.357
100	440	-.135	.077	.108	-.391
100	441	-.038	.085	.223	-.335
100	442	-.065	.089	.253	-.364
100	443	-.036	.088	.276	-.329
100	444	-.065	.072	.217	-.333
100	445	-.039	.085	.257	-.356
100	446	-.203	.138	.253	-.909
100	447	.050	.152	.830	-.546
100	448	-.043	.101	.355	-.479
100	449	-.067	.085	.231	-.377
100	450	-.092	.086	.226	-.392
100	451	-.043	.083	.246	-.353
100	452	-.065	.075	.229	-.367
100	453	-.034	.085	.314	-.340
100	454	-.067	.088	.294	-.405
100	455	-.042	.087	.296	-.355
100	456	-.134	.099	.176	-.602
100	457	.001	.128	.459	-.392
100	458	-.073	.087	.220	-.381
100	459	-.042	.082	.235	-.312
100	460	-.065	.073	.176	-.303
100	461	-.033	.083	.245	-.301
100	462	-.065	.085	.236	-.364
100	463	-.042	.082	.263	-.350
100	464	-.069	.078	.214	-.347
100	465	-.060	.095	.275	-.420
100	466	-.066	.108	.374	-.494
100	467	-.032	.091	.297	-.355
100	468	-.047	.076	.191	-.300
100	469	-.020	.086	.268	-.301
100	470	-.063	.090	.235	-.448
100	471	-.022	.090	.344	-.344
100	472	-.058	.071	.186	-.302
100	473	-.025	.079	.246	-.305
100	474	-.037	.082	.220	-.354
100	475	-.029	.080	.233	-.312
100	476	-.043	.075	.184	-.277
100	477	-.027	.077	.240	-.294
100	478	-.112	.088	.169	-.384
100	479	-.028	.086	.283	-.333
100	501	.012	.076	.321	-.234
100	502	-.042	.080	.268	-.330
100	503	-.054	.092	.248	-.508
100	504	-.027	.082	.286	-.295
100	505	.002	.068	.212	-.248
100	506	-.056	.081	.207	-.383
100	507	-.035	.080	.235	-.346
100	508	-.032	.082	.224	-.344
100	509	.007	.071	.256	-.233
100	510	-.040	.082	.209	-.305
100	511	-.073	.094	.283	-.411
100	512	-.029	.083	.257	-.297
100	513	.004	.069	.272	-.248
100	514	-.066	.089	.200	-.411
100	515	-.031	.080	.208	-.320
100	516	-.026	.079	.209	-.309
100	517	.017	.063	.228	-.199
100	518	-.037	.075	.252	-.289
100	519	-.015	.077	.249	-.284
100	520	-.025	.076	.224	-.312
100	521	-.007	.067	.212	-.258
100	522	-.031	.076	.225	-.312
100	523	-.022	.076	.232	-.300
100	524	-.019	.076	.234	-.285
100	525	.021	.067	.263	-.203
100	526	-.032	.081	.257	-.312
100	601	-.053	.082	.265	-.352
100	602	-.057	.081	.254	-.355
100	603	-.008	.067	.259	-.259
100	604	-.037	.078	.272	-.349
100	605	-.056	.080	.258	-.366
100	606	-.043	.080	.273	-.328
100	607	.006	.070	.250	-.209
100	608	-.035	.085	.248	-.303
100	609	-.060	.085	.205	-.331
100	610	-.056	.084	.268	-.317
100	611	.003	.068	.236	-.220
100	612	-.043	.081	.236	-.325
100	613	-.053	.081	.245	-.353
100	614	-.046	.081	.231	-.348
100	615	-.004	.069	.237	-.208
100	616	-.048	.081	.241	-.304
100	617	-.060	.083	.218	-.325
100	618	-.062	.084	.204	-.347
100	619	-.019	.067	.191	-.268
100	620	-.040	.078	.238	-.307
100	621	-.034	.074	.233	-.288
100	622	-.040	.075	.231	-.297
100	623	.009	.065	.206	-.222
100	624	-.050	.078	.201	-.330
100	625	-.033	.077	.206	-.335
100	626	-.032	.077	.238	-.300
100	701	-.024	.067	.190	-.297
100	702	-.050	.087	.210	-.442
100	703	-.037	.076	.250	-.285
100	704	-.068	.081	.189	-.363
100	705	.020	.075	.318	-.490
100	706	-.070	.086	.214	-.368
100	707	-.039	.077	.259	-.278
100	708	-.048	.081	.268	-.405
100	709	-.012	.068	.223	-.257
100	710	-.057	.077	.191	-.343
100	711	-.032	.076	.271	-.294
100	712	-.056	.080	.278	-.510
100	713	.021	.071	.258	-.203
100	714	-.029	.084	.247	-.296
100	715	-.037	.081	.235	-.273
100	716	-.036	.082	.259	-.285
100	717	.003	.068	.212	-.227
100	718	-.049	.079	.209	-.310
100	719	-.031	.078	.208	-.315
100	720	-.040	.083	.259	-.369
100	721	-.010	.066	.209	-.290
100	722	-.018	.080	.351	-.393
100	723	-.024	.082	.260	-.413
100	724	-.022	.080	.217	-.395
100	725	-.030	.067	.189	-.280
100	726	-.010	.073	.226	-.275
100	727	-.091	.082	.238	-.377
100	728	-.048	.073	.164	-.305
100	729	-.031	.085	.227	-.360
100	801	-.115	.105	.343	-.536
100	802	-.028	.086	.244	-.319
100	803	.014	.083	.367	-.231
100	804	.040	.096	.476	-.336
100	805	-.084	.087	.179	-.443
100	806	.018	.087	.371	-.361
100	807	.023	.076	.417	-.210
100	808	.034	.080	.454	-.201
100	809	-.092	.081	.274	-.334
100	810	-.027	.075	.323	-.274
100	811	-.047	.069	.189	-.265
100	812	.027	.084	.359	-.222
100	813	-.074	.090	.242	-.422
100	814	-.021	.092	.386	-.324

APPENDIX A -- PRESSURE DATA: CONFIGURATION A: ONE LOGAN SQUARE

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
100	815	.010	.095	.479	-.261
100	816	-.007	.089	.362	-.330
100	817	-.098	.099	.261	-.498
100	818	-.035	.082	.263	-.303
100	819	-.033	.069	.221	-.316
100	820	-.002	.076	.257	-.307
100	821	-.093	.084	.193	-.423
100	822	-.020	.078	.242	-.330
100	823	-.031	.076	.266	-.262
100	901	-.032	.083	.206	-.342
100	902	-.127	.093	.205	-.504
100	903	-.027	.086	.296	-.324
100	904	-.050	.074	.180	-.282
100	905	-.020	.082	.264	-.326
100	906	-.120	.090	.203	-.421
100	907	-.065	.087	.225	-.351
100	908	-.060	.077	.210	-.378
100	909	-.059	.088	.237	-.404
100	910	-.151	.096	.197	-.474
100	911	-.036	.086	.264	-.363
100	912	-.078	.073	.152	-.381
100	913	-.024	.085	.285	-.301
100	914	-.161	.099	.168	-.592
100	915	-.039	.085	.308	-.359
100	916	-.073	.073	.168	-.349
100	917	-.004	.078	.252	-.259
100	918	-.108	.085	.183	-.388
100	919	-.039	.077	.214	-.304
100	920	-.049	.069	.240	-.286
100	921	-.018	.080	.307	-.295
100	922	-.111	.085	.254	-.395
100	923	-.038	.081	.294	-.322
100	924	-.059	.064	.160	-.421
100	925	-.025	.075	.235	-.287
100	1001	-.064	.076	.197	-.311
100	1002	-.014	.082	.267	-.306
100	1003	-.102	.095	.196	-.439
100	1004	-.021	.083	.253	-.323
100	1005	-.062	.071	.168	-.279
110	1	-.256	.207	.205	-1.359
110	2	-.168	.159	.261	-.920
110	3	-.087	.069	.166	-.369
110	4	-.066	.097	.286	-.456
110	5	-.192	.109	.172	-.593
110	6	-.076	.090	.197	-.440
110	7	.018	.072	.245	-.266
110	8	-.122	.084	.142	-.394
110	9	-.279	.137	.160	-1.225
110	10	.083	.156	.609	-.539
110	11	-.122	.081	.136	-.399
110	12	-.172	.087	.129	-.446
110	13	-.153	.087	.142	-.452
110	14	-.088	.085	.188	-.384
110	15	-.044	.078	.212	-.351
110	101	-.177	.224	.492	-.806
110	102	-.060	.201	.461	-.923
110	103	-.044	.097	.323	-.391
110	104	-.138	.091	.176	-.445
110	105	-.243	.087	.059	-.578
110	106	-.407	.133	-.005	-.879
110	107	-.433	.142	-.001	-.952
110	108	-.215	.111	.102	-.705
110	109	-.149	.082	.108	-.441
110	110	-.092	.086	.174	-.386
110	111	-.052	.069	.185	-.308
110	112	-.074	.083	.184	-.327
110	113	-.131	.255	.608	-1.762
110	114	-.081	.087	.238	-.433
110	115	-.277	.104	.123	-.639
110	116	-.357	.126	.086	-.934
110	117	-.118	.092	.172	-.512
110	118	-.089	.074	.130	-.393
110	119	-.031	.083	.267	-.341
110	120	-.116	.226	.565	-1.128
110	121	-.014	.157	.465	-.791
110	122	-.007	.085	.313	-.512
110	123	-.074	.090	.256	-.505
110	124	-.179	.095	.122	-.522
110	125	-.287	.098	.087	-.638
110	126	-.330	.141	.048	-1.074
110	127	-.345	.142	.028	-1.069
110	128	-.200	.114	.116	-.630
110	129	-.135	.085	.161	-.520
110	130	-.068	.087	.231	-.504
110	131	-.073	.083	.225	-.470
110	132	-.068	.081	.226	-.358
110	133	-.059	.204	.573	-.796
110	134	.016	.202	.600	-.843
110	135	.008	.101	.510	-.344
110	136	-.061	.089	.332	-.375
110	137	-.227	.083	.079	-.542
110	138	-.268	.102	.028	-.639
110	139	-.324	.116	.015	-.779
110	140	-.322	.117	.015	-.794
110	141	-.254	.114	.124	-.785
110	142	-.086	.095	.216	-.622
110	143	-.068	.086	.251	-.489
110	144	-.066	.081	.237	-.399
110	145	-.102	.073	.131	-.362
110	146	-.092	.185	.521	-.953
110	147	-.057	.171	.475	-.946
110	148	-.021	.095	.391	-.462
110	149	-.103	.078	.121	-.388
110	150	-.177	.101	.124	-.540
110	151	-.248	.114	.094	-.635
110	152	-.331	.143	.075	-.849
110	153	-.379	.136	-.053	-.975
110	154	-.144	.120	.161	-.661
110	155	-.078	.087	.195	-.410
110	156	-.060	.083	.254	-.389
110	157	-.102	.069	.117	-.367
110	158	-.073	.079	.186	-.368
110	159	-.099	.122	.407	-.604
110	160	-.068	.112	.346	-.631
110	161	-.074	.074	.175	-.412
110	162	-.062	.082	.191	-.359
110	163	-.138	.087	.119	-.423
110	164	-.168	.094	.102	-.487
110	165	-.250	.105	.049	-.680
110	166	-.210	.118	.131	-.705
110	167	-.093	.085	.258	-.396
110	168	-.061	.081	.207	-.403
110	169	-.088	.073	.153	-.327
110	170	-.065	.083	.212	-.361
110	171	-.082	.085	.206	-.393
110	172	-.087	.129	.363	-.846
110	173	-.081	.095	.223	-.673
110	174	-.034	.087	.249	-.415
110	175	-.056	.088	.238	-.364
110	176	-.083	.089	.231	-.381
110	177	-.138	.076	.127	-.395
110	178	-.135	.090	.189	-.449
110	179	-.140	.092	.199	-.461
110	180	-.071	.083	.215	-.373
110	181	-.012	.069	.227	-.236
110	182	-.050	.082	.236	-.302
110	183	-.071	.083	.243	-.321
110	184	-.066	.083	.251	-.331
110	185	-.005	.092	.313	-.485
110	186	-.031	.095	.312	-.443
110	187	-.056	.079	.186	-.348
110	188	-.058	.079	.205	-.350
110	189	-.031	.070	.215	-.288
110	190	-.079	.084	.215	-.365
110	191	-.100	.088	.204	-.464
110	192	-.087	.086	.213	-.447
110	193	-.015	.069	.236	-.235
110	194	-.044	.081	.270	-.309
110	195	-.055	.082	.265	-.328
110	196	-.046	.081	.289	-.309

APPENDIX A -- PRESSURE DATA: CONFIGURATION A: ONE LOGAN SQUARE

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
110	197	-.006	.069	.198	-.239
110	198	-.053	.082	.238	-.317
110	199	-.048	.081	.233	-.290
110	200	-.069	.085	.216	-.348
110	201	-.031	.066	.206	-.266
110	202	-.063	.080	.227	-.367
110	203	-.072	.080	.210	-.351
110	204	-.056	.078	.215	-.328
110	205	-.018	.064	.208	-.294
110	206	-.049	.077	.217	-.344
110	207	-.045	.084	.239	-.402
110	208	-.031	.079	.239	-.305
110	209	-.088	.083	.218	-.346
110	210	-.044	.079	.220	-.372
110	211	-.060	.068	.138	-.335
110	212	-.048	.081	.229	-.322
110	213	-.006	.066	.255	-.231
110	214	-.042	.078	.257	-.322
110	215	-.051	.065	.174	-.254
110	216	-.040	.085	.283	-.328
110	217	.000	.066	.248	-.222
110	218	-.024	.081	.263	-.298
110	219	-.073	.082	.252	-.349
110	220	-.053	.080	.276	-.340
110	221	-.009	.068	.230	-.297
110	222	-.044	.081	.234	-.393
110	223	-.056	.082	.227	-.371
110	224	-.041	.081	.239	-.352
110	225	-.036	.077	.225	-.288
110	301	-.025	.071	.216	-.256
110	302	-.061	.083	.222	-.335
110	303	-.077	.085	.243	-.353
110	304	-.067	.085	.260	-.391
110	305	-.030	.068	.212	-.259
110	306	-.066	.081	.212	-.333
110	307	-.081	.082	.199	-.347
110	308	-.069	.081	.231	-.358
110	309	-.031	.074	.210	-.259
110	310	-.067	.088	.231	-.327
110	311	-.085	.090	.223	-.369
110	312	-.071	.088	.241	-.355
110	313	-.034	.066	.203	-.251
110	314	-.070	.080	.208	-.333
110	315	-.087	.080	.193	-.358
110	316	-.072	.081	.205	-.369
110	317	-.032	.068	.193	-.298
110	318	-.080	.082	.188	-.368
110	319	-.098	.083	.171	-.378
110	320	-.081	.080	.184	-.384
110	321	-.038	.073	.192	-.278
110	322	-.072	.087	.207	-.370
110	323	-.098	.093	.189	-.412
110	324	-.086	.091	.192	-.392
110	325	-.038	.072	.217	-.302
110	326	-.076	.090	.216	-.478
110	327	-.092	.092	.210	-.509
110	328	-.070	.087	.228	-.376
110	329	-.034	.068	.184	-.320
110	330	-.059	.079	.238	-.383
110	331	-.082	.087	.225	-.478
110	332	-.066	.085	.231	-.445
110	333	-.134	.084	.164	-.434
110	334	-.054	.078	.223	-.339
110	335	-.071	.072	.189	-.358
110	336	-.033	.080	.239	-.391
110	337	-.133	.089	.178	-.531
110	338	-.046	.081	.250	-.370
110	339	-.064	.068	.162	-.270
110	340	-.024	.076	.240	-.299
110	341	-.121	.083	.164	-.383
110	342	-.043	.077	.218	-.303
110	343	-.066	.069	.189	-.282
110	344	-.027	.077	.261	-.289
110	345	-.131	.085	.184	-.404
110	346	-.052	.079	.234	-.332
110	401	-.052	.085	.223	-.335
110	402	-.074	.088	.206	-.368
110	403	-.022	.086	.288	-.318
110	404	-.055	.072	.193	-.282
110	405	-.029	.082	.241	-.287
110	406	-.065	.085	.233	-.325
110	407	-.066	.131	.291	-.625
110	408	-.349	.140	.192	-.953
110	409	.332	.162	.866	-.274
110	410	.274	.192	.950	-.284
110	411	-.046	.078	.193	-.351
110	412	-.071	.072	.174	-.306
110	413	-.024	.086	.293	-.307
110	414	-.055	.101	.327	-.402
110	415	-.025	.107	.376	-.455
110	416	-.025	.093	.282	-.381
110	417	-.273	.193	.305	-1.108
110	418	.271	.187	1.044	-.324
110	419	.178	.161	.892	-.325
110	420	-.099	.069	.143	-.332
110	421	-.057	.078	.211	-.321
110	422	-.059	.083	.204	-.319
110	423	-.025	.082	.253	-.313
110	424	-.051	.073	.221	-.254
110	425	-.018	.085	.314	-.343
110	426	-.048	.097	.310	-.407
110	427	-.245	.180	.439	-1.005
110	428	.217	.152	.749	-.252
110	429	.073	.128	.563	-.292
110	430	-.103	.083	.165	-.369
110	431	-.071	.080	.186	-.328
110	432	-.062	.070	.175	-.320
110	433	-.025	.081	.273	-.306
110	434	-.058	.084	.250	-.346
110	435	-.028	.082	.264	-.304
110	436	-.060	.080	.241	-.470
110	437	-.210	.184	.315	-1.160
110	438	.116	.158	.802	-.564
110	439	-.066	.081	.253	-.359
110	440	-.125	.071	.114	-.377
110	441	-.035	.077	.248	-.291
110	442	-.066	.080	.236	-.314
110	443	-.035	.079	.264	-.319
110	444	-.064	.074	.175	-.357
110	445	-.034	.086	.254	-.380
110	446	-.190	.148	.314	-.879
110	447	.066	.128	.704	-.358
110	448	-.018	.098	.308	-.390
110	449	-.050	.079	.230	-.306
110	450	-.083	.082	.208	-.352
110	451	-.040	.081	.256	-.348
110	452	-.064	.070	.169	-.305
110	453	-.033	.079	.246	-.318
110	454	-.068	.082	.220	-.348
110	455	-.044	.081	.222	-.306
110	456	-.172	.114	.205	-.711
110	457	.035	.122	.572	-.380
110	458	-.079	.083	.243	-.333
110	459	-.044	.077	.246	-.274
110	460	-.063	.069	.213	-.330
110	461	-.030	.078	.277	-.305
110	462	-.064	.081	.243	-.346
110	463	-.037	.078	.272	-.329
110	464	-.064	.072	.237	-.347
110	465	-.067	.088	.311	-.448
110	466	-.053	.104	.433	-.424
110	467	-.036	.085	.286	-.298
110	468	-.050	.072	.219	-.282
110	469	-.027	.081	.278	-.284
110	470	-.072	.084	.202	-.352
110	471	-.034	.086	.325	-.311
110	472	-.062	.070	.175	-.355
110	473	-.030	.079	.233	-.357
110	474	-.063	.082	.221	-.418
110	475	-.033	.079	.252	-.384

APPENDIX A -- PRESSURE DATA: CONFIGURATION A; ONE LOGAN SQUARE

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
110	476	-.041	.081	.221	-.328
110	477	-.022	.080	.294	-.273
110	478	-.115	.090	.196	-.393
110	479	-.022	.085	.296	-.288
110	501	-.016	.075	.322	-.273
110	502	-.049	.079	.222	-.305
110	503	-.088	.096	.315	-.411
110	504	-.047	.084	.296	-.350
110	505	-.024	.069	.193	-.256
110	506	-.094	.084	.171	-.382
110	507	-.059	.081	.220	-.355
110	508	-.047	.080	.239	-.381
110	509	-.003	.068	.198	-.263
110	510	-.047	.080	.197	-.345
110	511	-.101	.092	.195	-.516
110	512	-.045	.080	.249	-.365
110	513	-.024	.071	.203	-.323
110	514	-.112	.089	.185	-.438
110	515	-.059	.081	.212	-.342
110	516	-.043	.080	.211	-.343
110	517	-.006	.073	.281	-.256
110	518	-.048	.083	.256	-.360
110	519	-.021	.088	.257	-.480
110	520	-.041	.086	.241	-.467
110	521	-.047	.069	.153	-.355
110	522	-.062	.077	.168	-.365
110	523	-.045	.076	.175	-.298
110	524	-.033	.075	.191	-.277
110	525	-.009	.066	.218	-.209
110	526	-.039	.079	.229	-.289
110	601	-.058	.078	.200	-.308
110	602	-.058	.079	.195	-.318
110	603	-.016	.071	.225	-.303
110	604	-.044	.081	.235	-.369
110	605	-.059	.084	.203	-.400
110	606	-.050	.084	.225	-.380
110	607	-.008	.068	.224	-.266
110	608	-.043	.083	.246	-.365
110	609	-.044	.079	.224	-.398
110	610	-.059	.082	.234	-.349
110	611	-.006	.070	.204	-.268
110	612	-.042	.082	.203	-.348
110	613	-.073	.082	.180	-.357
110	614	-.062	.082	.188	-.347
110	615	-.018	.064	.207	-.241
110	616	-.065	.076	.225	-.349
110	617	-.072	.077	.187	-.300
110	618	-.077	.078	.186	-.298
110	619	-.038	.067	.166	-.297
110	620	-.063	.082	.212	-.361

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
110	621	-.054	.076	.205	-.342
110	622	-.062	.077	.194	-.338
110	623	-.019	.064	.207	-.232
110	624	-.071	.078	.204	-.329
110	625	-.062	.077	.231	-.322
110	626	-.060	.077	.220	-.317
110	701	-.024	.067	.198	-.285
110	702	-.073	.084	.169	-.392
110	703	-.043	.074	.189	-.298
110	704	-.060	.078	.179	-.357
110	705	-.001	.076	.283	-.531
110	706	-.092	.084	.212	-.398
110	707	-.062	.081	.230	-.369
110	708	-.066	.084	.250	-.367
110	709	-.024	.073	.216	-.281
110	710	-.075	.087	.241	-.372
110	711	-.040	.083	.245	-.325
110	712	-.054	.085	.249	-.322
110	713	-.002	.066	.238	-.224
110	714	-.046	.077	.209	-.300
110	715	-.058	.076	.179	-.300
110	716	-.061	.077	.223	-.296
110	717	-.016	.068	.204	-.254
110	718	-.065	.084	.194	-.561
110	719	-.040	.079	.209	-.342
110	720	-.047	.079	.226	-.318
110	721	-.028	.070	.209	-.271
110	722	-.038	.079	.221	-.304
110	723	-.044	.081	.226	-.325
110	724	-.036	.079	.213	-.293
110	725	-.055	.071	.179	-.284
110	726	-.029	.078	.247	-.299
110	727	-.121	.086	.170	-.412
110	728	-.075	.072	.164	-.297
110	729	-.048	.082	.217	-.338
110	801	-.161	.106	.416	-.655
110	802	-.051	.084	.281	-.339
110	803	-.014	.076	.352	-.275
110	804	-.027	.093	.455	-.304
110	805	-.110	.083	.166	-.365
110	806	-.000	.085	.307	-.257
110	807	.041	.085	.336	-.290
110	808	.043	.090	.336	-.249
110	809	-.118	.084	.143	-.407
110	810	-.043	.079	.190	-.322
110	811	-.065	.071	.170	-.369
110	812	.027	.084	.438	-.296
110	813	-.089	.091	.271	-.399
110	814	-.038	.086	.319	-.347
110	815	-.029	.084	.381	-.322

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
110	816	-.015	.082	.288	-.316
110	817	-.116	.093	.212	-.500
110	818	-.044	.080	.226	-.355
110	819	-.052	.070	.183	-.283
110	820	-.024	.076	.201	-.262
110	821	-.118	.085	.142	-.392
110	822	-.043	.078	.187	-.288
110	823	-.059	.078	.226	-.314
110	901	-.040	.080	.256	-.318
110	902	-.158	.102	.192	-.492
110	903	-.041	.090	.296	-.325
110	904	-.073	.071	.167	-.317
110	905	-.038	.078	.250	-.321
110	906	-.131	.086	.153	-.459
110	907	-.070	.083	.197	-.437
110	908	-.089	.075	.233	-.362
110	909	-.088	.086	.247	-.492
110	910	-.149	.089	.212	-.459
110	911	-.045	.080	.250	-.321
110	912	-.082	.070	.148	-.412
110	913	-.040	.086	.219	-.391
110	914	-.184	.094	.132	-.704
110	915	-.055	.083	.242	-.427
110	916	-.098	.076	.141	-.382
110	917	-.012	.077	.247	-.277
110	918	-.125	.083	.131	-.405
110	919	-.052	.075	.177	-.305
110	920	-.065	.067	.184	-.298
110	921	-.026	.077	.257	-.275
110	922	-.124	.082	.187	-.419
110	923	-.047	.077	.225	-.318
110	924	-.075	.065	.135	-.353
110	925	-.036	.078	.230	-.343
110	1001	-.072	.070	.209	-.323
110	1002	-.023	.077	.272	-.288
110	1003	-.112	.087	.213	-.404
110	1004	-.036	.078	.270	-.315
110	1005	-.076	.069	.164	-.284
120	1	-.159	.169	.270	-1.143
120	2	-.229	.177	.275	-1.189
120	3	-.098	.078	.227	-.653
120	4	-.056	.090	.301	-.383
120	5	-.218	.115	.176	-.776
120	6	-.098	.100	.236	-.514
120	7	-.026	.081	.218	-.329
120	8	-.100	.089	.211	-.405
120	9	-.202	.129	.286	-.788
120	10	.013	.152	.629	-.641
120	11	-.115	.076	.112	-.394
120	12	-.139	.088	.204	-.471

APPENDIX A -- PRESSURE DATA: CONFIGURATION A: ONE LOGAN SQUARE

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
120	13	-.175	.095	.163	-.599
120	14	-.106	.089	.161	-.451
120	15	-.078	.079	.207	-.358
120	101	-.332	.175	.417	-1.035
120	102	-.177	.204	.481	-1.259
120	103	-.088	.094	.259	-.693
120	104	-.176	.093	.127	-.700
120	105	-.259	.086	.020	-.617
120	106	-.355	.128	.054	-.985
120	107	-.371	.132	.040	-1.003
120	108	-.219	.109	.113	-.786
120	109	-.182	.091	.090	-.582
120	110	-.103	.090	.188	-.436
120	111	-.058	.070	.193	-.273
120	112	-.073	.087	.210	-.366
120	113	-.261	.210	.539	-1.220
120	114	-.114	.078	.190	-.431
120	115	-.255	.098	.034	-.678
120	116	-.341	.126	-.013	-1.061
120	117	-.134	.094	.161	-.557
120	118	-.118	.075	.113	-.403
120	119	-.038	.083	.254	-.297
120	120	-.225	.192	.390	-1.172
120	121	-.094	.148	.394	-.782
120	122	-.064	.089	.181	-.752
120	123	-.105	.085	.206	-.483
120	124	-.172	.087	.121	-.466
120	125	-.255	.091	-.002	-.671
120	126	-.243	.114	.055	-.777
120	127	-.260	.116	.040	-.802
120	128	-.183	.107	.158	-.628
120	129	-.149	.092	.118	-.566
120	130	-.081	.093	.250	-.459
120	131	-.081	.086	.221	-.453
120	132	-.068	.082	.203	-.390
120	133	-.221	.187	.449	-1.077
120	134	-.120	.202	.457	-1.061
120	135	-.055	.097	.266	-.417
120	136	-.087	.086	.189	-.392
120	137	-.213	.082	.038	-.544
120	138	-.218	.101	.085	-.662
120	139	-.252	.111	.081	-.735
120	140	-.245	.112	.073	-.731
120	141	-.228	.107	.120	-.657
120	142	-.088	.096	.234	-.541
120	143	-.074	.090	.228	-.393
120	144	-.065	.086	.211	-.375
120	145	-.105	.075	.121	-.369
120	146	-.142	.177	.445	-.904
120	147	-.113	.167	.363	-.841
120	148	-.050	.096	.256	-.450
120	149	-.123	.072	.246	-.406
120	150	-.172	.095	.122	-.561
120	151	-.232	.110	.104	-.694
120	152	-.284	.144	.104	-1.242
120	153	-.305	.128	.068	-.849
120	154	-.143	.121	.177	-.910
120	155	-.087	.094	.199	-.547
120	156	-.059	.084	.216	-.406
120	157	-.101	.077	.159	-.375
120	158	-.071	.086	.216	-.375
120	159	-.120	.137	.368	-.803
120	160	-.082	.122	.365	-.756
120	161	-.088	.081	.196	-.353
120	162	-.073	.087	.227	-.390
120	163	-.149	.094	.120	-.496
120	164	-.172	.104	.123	-.590
120	165	-.224	.105	.061	-.731
120	166	-.185	.117	.142	-.781
120	167	-.105	.093	.215	-.608
120	168	-.065	.084	.214	-.369
120	169	-.088	.070	.160	-.364
120	170	-.062	.077	.226	-.361
120	171	-.081	.078	.209	-.395
120	172	-.098	.133	.297	-.750
120	173	-.088	.101	.237	-.592
120	174	-.039	.088	.319	-.324
120	175	-.066	.088	.261	-.360
120	176	-.086	.089	.200	-.398
120	177	-.128	.076	.139	-.513
120	178	-.116	.089	.210	-.584
120	179	-.127	.091	.192	-.626
120	180	-.070	.079	.187	-.532
120	181	-.016	.073	.209	-.307
120	182	-.051	.085	.256	-.388
120	183	-.069	.087	.256	-.395
120	184	-.058	.085	.264	-.370
120	185	-.025	.092	.285	-.509
120	186	-.049	.094	.300	-.504
120	187	-.065	.082	.196	-.347
120	188	-.059	.083	.207	-.327
120	189	-.037	.068	.182	-.280
120	190	-.082	.082	.193	-.385
120	191	-.104	.086	.180	-.421
120	192	-.090	.084	.177	-.403
120	193	-.022	.065	.224	-.253
120	194	-.051	.078	.241	-.324
120	195	-.065	.078	.221	-.353
120	196	-.052	.075	.227	-.320
120	197	-.013	.065	.233	-.275
120	198	-.065	.079	.215	-.367
120	199	-.050	.078	.257	-.320
120	200	-.077	.081	.195	-.408
120	201	-.034	.067	.203	-.253
120	202	-.066	.080	.231	-.337
120	203	-.080	.081	.215	-.371
120	204	-.059	.078	.243	-.321
120	205	-.024	.066	.207	-.300
120	206	-.055	.079	.228	-.360
120	207	-.061	.092	.275	-.440
120	208	-.039	.084	.332	-.330
120	209	-.093	.079	.198	-.362
120	210	-.045	.083	.227	-.376
120	211	-.065	.072	.176	-.346
120	212	-.054	.078	.249	-.330
120	213	-.006	.064	.207	-.222
120	214	-.045	.077	.209	-.301
120	215	-.056	.064	.138	-.306
120	216	-.038	.085	.261	-.310
120	217	-.001	.066	.201	-.263
120	218	-.023	.082	.256	-.327
120	219	-.084	.082	.177	-.390
120	220	-.059	.079	.202	-.351
120	221	-.017	.066	.202	-.247
120	222	-.053	.080	.215	-.319
120	223	-.068	.082	.204	-.355
120	224	-.049	.080	.205	-.314
120	225	-.038	.075	.202	-.323
120	301	-.024	.068	.201	-.289
120	302	-.059	.080	.194	-.367
120	303	-.080	.082	.178	-.391
120	304	-.068	.082	.186	-.400
120	305	-.028	.070	.241	-.300
120	306	-.060	.081	.255	-.338
120	307	-.080	.083	.242	-.368
120	308	-.067	.082	.228	-.393
120	309	-.030	.071	.243	-.296
120	310	-.064	.085	.229	-.402
120	311	-.086	.087	.212	-.425
120	312	-.070	.086	.221	-.398
120	313	-.037	.068	.152	-.305
120	314	-.074	.081	.163	-.396
120	315	-.090	.081	.143	-.416
120	316	-.074	.082	.175	-.394
120	317	-.034	.073	.207	-.314
120	318	-.084	.086	.225	-.501
120	319	-.105	.088	.208	-.494
120	320	-.080	.083	.192	-.416
120	321	-.029	.070	.172	-.275
120	322	-.063	.084	.192	-.353

APPENDIX A -- PRESSURE DATA: CONFIGURATION A; ONE LOGAN SQUARE

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
120	323	-.092	.085	.158	-.409
120	324	-.076	.083	.170	-.379
120	325	-.026	.067	.245	-.252
120	326	-.057	.080	.279	-.354
120	327	-.076	.082	.270	-.380
120	328	-.063	.081	.261	-.339
120	329	-.023	.070	.195	-.280
120	330	-.052	.081	.199	-.315
120	331	-.068	.083	.181	-.352
120	332	-.052	.081	.184	-.373
120	333	-.138	.089	.199	-.427
120	334	-.050	.082	.263	-.317
120	335	-.088	.069	.159	-.336
120	336	-.041	.076	.227	-.323
120	337	-.149	.084	.138	-.462
120	338	-.047	.074	.219	-.316
120	339	-.075	.065	.124	-.272
120	340	-.032	.073	.202	-.261
120	341	-.136	.081	.113	-.381
120	342	-.050	.074	.174	-.273
120	343	-.082	.071	.190	-.436
120	344	-.040	.080	.252	-.375
120	345	-.154	.090	.187	-.542
120	346	-.065	.083	.239	-.422
120	401	-.044	.090	.270	-.365
120	402	-.064	.096	.285	-.413
120	403	-.006	.101	.367	-.341
120	404	-.026	.090	.314	-.318
120	405	.001	.103	.352	-.310
120	406	-.031	.108	.355	-.362
120	407	-.010	.118	.475	-.489
120	408	-.156	.177	.562	-.824
120	409	.251	.178	.876	-.326
120	410	.194	.197	.859	-.470
120	411	-.038	.082	.291	-.329
120	412	-.057	.072	.200	-.307
120	413	-.005	.088	.312	-.307
120	414	-.016	.101	.525	-.338
120	415	.022	.104	.549	-.409
120	416	.021	.093	.408	-.254
120	417	-.105	.195	.709	-.884
120	418	.236	.181	.863	-.367
120	419	.201	.155	.787	-.311
120	420	-.090	.075	.164	-.331
120	421	-.048	.086	.227	-.345
120	422	-.046	.094	.313	-.375
120	423	-.006	.093	.360	-.329
120	424	-.027	.080	.368	-.320
120	425	.003	.089	.391	-.338
120	426	-.023	.097	.337	-.369

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
120	427	-.118	.202	.484	-.962
120	428	.220	.156	.786	-.177
120	429	.091	.134	.640	-.349
120	430	-.108	.083	.152	-.385
120	431	-.071	.080	.177	-.355
120	432	-.052	.075	.222	-.321
120	433	-.015	.087	.342	-.301
120	434	-.047	.091	.320	-.489
120	435	-.013	.090	.323	-.357
120	436	-.041	.078	.215	-.345
120	437	-.111	.172	.461	-1.025
120	438	.077	.146	.779	-.276
120	439	-.056	.082	.213	-.313
120	440	-.116	.074	.127	-.371
120	441	-.029	.080	.239	-.329
120	442	-.061	.085	.196	-.355
120	443	-.027	.082	.228	-.360
120	444	-.049	.072	.209	-.310
120	445	-.022	.083	.290	-.346
120	446	-.148	.140	.247	-.890
120	447	.054	.124	.634	-.484
120	448	-.001	.097	.439	-.300
120	449	-.047	.083	.229	-.354
120	450	-.085	.087	.201	-.403
120	451	-.036	.086	.242	-.365
120	452	-.050	.076	.213	-.301
120	453	-.020	.087	.276	-.265
120	454	-.058	.090	.266	-.311
120	455	-.033	.088	.275	-.285
120	456	-.136	.106	.206	-.701
120	457	.037	.115	.437	-.492
120	458	-.087	.084	.238	-.410
120	459	-.048	.078	.258	-.325
120	460	-.056	.070	.173	-.295
120	461	-.019	.080	.238	-.297
120	462	-.053	.084	.210	-.364
120	463	-.024	.082	.255	-.316
120	464	-.044	.071	.187	-.269
120	465	-.060	.094	.222	-.452
120	466	-.030	.105	.384	-.401
120	467	-.024	.087	.287	-.295
120	468	-.042	.073	.193	-.284
120	469	-.023	.082	.250	-.293
120	470	-.084	.089	.248	-.394
120	471	-.027	.091	.340	-.323
120	472	-.066	.069	.181	-.341
120	473	-.028	.078	.250	-.330
120	474	-.056	.083	.240	-.375
120	475	-.014	.082	.278	-.313
120	476	-.023	.083	.303	-.397

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
120	477	-.006	.077	.282	-.290
120	478	-.115	.087	.193	-.446
120	479	-.017	.085	.264	-.352
120	501	-.039	.076	.250	-.288
120	502	-.052	.081	.197	-.332
120	503	-.102	.095	.377	-.409
120	504	-.064	.086	.279	-.345
120	505	-.043	.073	.336	-.300
120	506	-.114	.089	.140	-.509
120	507	-.074	.086	.183	-.377
120	508	-.058	.084	.208	-.368
120	509	-.017	.065	.193	-.250
120	510	-.051	.077	.213	-.319
120	511	-.133	.097	.207	-.612
120	512	-.066	.080	.269	-.317
120	513	-.035	.073	.213	-.295
120	514	-.128	.088	.147	-.454
120	515	-.070	.083	.184	-.371
120	516	-.053	.082	.218	-.336
120	517	-.004	.070	.245	-.291
120	518	-.050	.081	.219	-.384
120	519	-.032	.089	.288	-.331
120	520	-.055	.084	.218	-.364
120	521	-.061	.072	.177	-.358
120	522	-.074	.082	.208	-.320
120	523	-.059	.082	.219	-.311
120	524	-.043	.082	.240	-.304
120	525	-.006	.068	.193	-.287
120	526	-.047	.082	.204	-.358
120	601	-.058	.081	.199	-.362
120	602	-.058	.081	.194	-.380
120	603	-.018	.067	.216	-.239
120	604	-.049	.078	.226	-.313
120	605	-.060	.079	.217	-.304
120	606	-.051	.079	.227	-.305
120	607	-.012	.068	.232	-.223
120	608	-.047	.083	.251	-.298
120	609	-.049	.080	.257	-.282
120	610	-.058	.082	.239	-.317
120	611	-.011	.067	.268	-.210
120	612	-.048	.079	.273	-.290
120	613	-.088	.082	.281	-.397
120	614	-.071	.082	.322	-.341
120	615	-.021	.071	.243	-.263
120	616	-.071	.085	.242	-.373
120	617	-.076	.085	.231	-.406
120	618	-.081	.089	.227	-.438
120	619	-.033	.062	.156	-.292
120	620	-.069	.076	.155	-.363
120	621	-.056	.072	.190	-.344

APPENDIX A -- PRESSURE DATA: CONFIGURATION A: ONE LOGAN SQUARE

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
120	622	-.063	.072	.174	-.369
120	623	-.020	.063	.185	-.225
120	624	-.070	.076	.169	-.331
120	625	-.068	.076	.154	-.308
120	626	-.063	.075	.170	-.323
120	701	-.018	.069	.273	-.248
120	702	-.073	.091	.330	-.460
120	703	-.050	.079	.283	-.330
120	704	-.062	.081	.279	-.415
120	705	-.002	.070	.228	-.223
120	706	-.092	.081	.156	-.398
120	707	-.071	.081	.203	-.356
120	708	-.070	.083	.259	-.347
120	709	-.021	.067	.243	-.294
120	710	-.067	.084	.226	-.373
120	711	-.050	.075	.206	-.399
120	712	-.058	.077	.212	-.396
120	713	-.004	.064	.253	-.250
120	714	-.042	.075	.227	-.361
120	715	-.059	.073	.168	-.374
120	716	-.065	.076	.178	-.348
120	717	-.013	.065	.205	-.264
120	718	-.060	.080	.252	-.339
120	719	-.048	.074	.201	-.354
120	720	-.051	.076	.226	-.348
120	721	-.017	.066	.285	-.276
120	722	-.040	.074	.230	-.296
120	723	-.048	.077	.230	-.321
120	724	-.039	.075	.243	-.296
120	725	-.060	.073	.167	-.328
120	726	-.038	.080	.210	-.337
120	727	-.128	.091	.156	-.463
120	728	-.087	.073	.128	-.389
120	729	-.047	.088	.230	-.376
120	801	-.189	.105	.255	-.659
120	802	-.061	.086	.390	-.414
120	803	-.039	.085	.326	-.309
120	804	.012	.099	.396	-.318
120	805	-.127	.094	.194	-.470
120	806	-.011	.094	.474	-.287
120	807	.031	.086	.411	-.245
120	808	.042	.090	.366	-.302
120	809	-.130	.085	.167	-.412
120	810	-.050	.079	.235	-.301
120	811	-.069	.076	.222	-.393
120	812	.027	.089	.358	-.303
120	813	-.107	.103	.286	-.502
120	814	-.044	.085	.286	-.359
120	815	-.059	.081	.253	-.339
120	816	-.015	.086	.266	-.318
120	817	-.119	.093	.218	-.467
120	818	-.046	.084	.242	-.347
120	819	-.060	.069	.232	-.275
120	820	-.029	.073	.223	-.260
120	821	-.128	.085	.160	-.392
120	822	-.051	.075	.204	-.284
120	823	-.069	.071	.179	-.360
120	901	-.045	.076	.201	-.311
120	902	-.178	.091	.130	-.549
120	903	-.054	.080	.189	-.378
120	904	-.086	.069	.134	-.337
120	905	-.048	.078	.212	-.339
120	906	-.137	.082	.120	-.450
120	907	-.063	.077	.195	-.354
120	908	-.105	.073	.128	-.385
120	909	-.100	.085	.169	-.442
120	910	-.152	.087	.143	-.444
120	911	-.047	.077	.215	-.321
120	912	-.089	.072	.116	-.341
120	913	-.047	.082	.259	-.355
120	914	-.199	.097	.164	-.587
120	915	-.061	.083	.249	-.324
120	916	-.111	.078	.158	-.419
120	917	-.015	.078	.262	-.274
120	918	-.137	.085	.196	-.413
120	919	-.057	.078	.232	-.314
120	920	-.070	.067	.160	-.299
120	921	-.024	.075	.231	-.281
120	922	-.132	.083	.160	-.428
120	923	-.047	.077	.219	-.308
120	924	-.082	.067	.127	-.326
120	925	-.031	.078	.212	-.288
120	1001	-.078	.073	.173	-.348
120	1002	-.022	.080	.274	-.347
120	1003	-.115	.092	.190	-.535
120	1004	-.037	.081	.266	-.358
120	1005	-.089	.066	.134	-.360
130	1	-.156	.147	.268	-.957
130	2	-.281	.190	.220	-1.128
130	3	-.138	.113	.203	-.795
130	4	-.066	.105	.327	-.558
130	5	-.247	.146	.309	-1.130
130	6	-.129	.127	.215	-.856
130	7	-.079	.090	.238	-.533
130	8	-.109	.101	.225	-.659
130	9	-.187	.142	.259	-1.064
130	10	-.101	.170	.503	-1.075
130	11	-.139	.087	.179	-.489
130	12	-.113	.092	.293	-.516
130	13	-.206	.110	.134	-.747
130	14	-.114	.089	.163	-.425
130	15	-.094	.079	.189	-.361
130	101	-.326	.155	.319	-1.188
130	102	-.255	.189	.376	-1.139
130	103	-.160	.128	.252	-.872
130	104	-.193	.117	.150	-.756
130	105	-.270	.125	.065	-.830
130	106	-.324	.188	.076	-1.303
130	107	-.317	.163	.069	-1.103
130	108	-.192	.117	.182	-.847
130	109	-.156	.083	.113	-.445
130	110	-.096	.089	.192	-.419
130	111	-.087	.073	.132	-.361
130	112	-.099	.091	.192	-.643
130	113	-.267	.177	.313	-1.494
130	114	-.143	.091	.141	-.526
130	115	-.199	.116	.159	-.719
130	116	-.282	.164	.101	-1.355
130	117	-.139	.104	.193	-.603
130	118	-.122	.082	.170	-.395
130	119	-.064	.085	.218	-.357
130	120	-.322	.191	.332	-1.517
130	121	-.195	.158	.265	-1.035
130	122	-.167	.126	.132	-.872
130	123	-.147	.106	.215	-.828
130	124	-.163	.106	.155	-.837
130	125	-.204	.097	.160	-.695
130	126	-.191	.118	.205	-.746
130	127	-.209	.118	.197	-.724
130	128	-.133	.103	.240	-.660
130	129	-.150	.084	.136	-.487
130	130	-.088	.088	.209	-.627
130	131	-.098	.085	.203	-.373
130	132	-.082	.083	.218	-.353
130	133	-.263	.158	.377	-.954
130	134	-.202	.176	.465	-1.126
130	135	-.139	.117	.314	-.957
130	136	-.112	.092	.225	-.469
130	137	-.167	.084	.079	-.422
130	138	-.163	.100	.124	-.514
130	139	-.196	.107	.097	-.599
130	140	-.178	.107	.109	-.574
130	141	-.156	.092	.124	-.580
130	142	-.092	.092	.193	-.473
130	143	-.101	.091	.183	-.497
130	144	-.082	.087	.179	-.470
130	145	-.105	.072	.190	-.341
130	146	-.197	.157	.340	-1.099
130	147	-.197	.159	.282	-1.058
130	148	-.105	.104	.217	-.692

APPENDIX A -- PRESSURE DATA: CONFIGURATION A: ONE LOGAN SQUARE

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
130	149	-.120	.081	.174	-.419
130	150	-.129	.096	.210	-.483
130	151	-.171	.103	.165	-.557
130	152	-.175	.114	.154	-.645
130	153	-.199	.096	.125	-.594
130	154	-.122	.096	.217	-.480
130	155	-.106	.088	.235	-.417
130	156	-.077	.086	.211	-.380
130	157	-.105	.074	.127	-.342
130	158	-.085	.084	.178	-.363
130	159	-.196	.141	.263	-.964
130	160	-.146	.134	.263	-.811
130	161	-.110	.094	.208	-.475
130	162	-.085	.093	.290	-.440
130	163	-.138	.097	.206	-.483
130	164	-.138	.102	.202	-.535
130	165	-.168	.089	.069	-.570
130	166	-.144	.098	.127	-.579
130	167	-.123	.088	.230	-.503
130	168	-.081	.081	.242	-.360
130	169	-.093	.074	.164	-.355
130	170	-.071	.081	.191	-.345
130	171	-.095	.082	.178	-.370
130	172	-.153	.130	.244	-.816
130	173	-.122	.104	.233	-.707
130	174	-.070	.087	.213	-.442
130	175	-.099	.084	.184	-.381
130	176	-.096	.085	.198	-.410
130	177	-.127	.079	.124	-.446
130	178	-.118	.094	.168	-.607
130	179	-.142	.096	.147	-.693
130	180	-.090	.083	.161	-.524
130	181	-.030	.071	.208	-.275
130	182	-.063	.085	.231	-.364
130	183	-.084	.086	.192	-.388
130	184	-.070	.084	.199	-.362
130	185	-.061	.087	.249	-.348
130	186	-.083	.095	.272	-.403
130	187	-.081	.083	.311	-.317
130	188	-.071	.080	.303	-.364
130	189	-.042	.066	.202	-.276
130	190	-.085	.080	.205	-.378
130	191	-.112	.085	.196	-.419
130	192	-.094	.083	.199	-.385
130	193	-.033	.070	.230	-.316
130	194	-.060	.082	.238	-.418
130	195	-.077	.083	.222	-.419
130	196	-.064	.081	.238	-.391
130	197	-.032	.072	.193	-.280
130	198	-.080	.086	.186	-.354
130	199	-.070	.080	.171	-.347
130	200	-.094	.087	.183	-.358
130	201	-.043	.070	.172	-.373
130	202	-.073	.083	.186	-.476
130	203	-.090	.084	.176	-.492
130	204	-.067	.082	.210	-.445
130	205	-.035	.066	.172	-.266
130	206	-.064	.079	.193	-.351
130	207	-.087	.094	.230	-.509
130	208	-.063	.087	.223	-.392
130	209	-.108	.087	.181	-.440
130	210	-.058	.083	.231	-.391
130	211	-.079	.072	.135	-.382
130	212	-.064	.080	.216	-.351
130	213	-.021	.066	.205	-.241
130	214	-.057	.080	.216	-.323
130	215	-.077	.064	.153	-.310
130	216	-.065	.085	.247	-.475
130	217	-.018	.068	.261	-.239
130	218	-.040	.085	.296	-.315
130	219	-.091	.080	.242	-.376
130	220	-.069	.077	.254	-.324
130	221	-.033	.063	.197	-.273
130	222	-.068	.076	.202	-.359
130	223	-.083	.079	.204	-.414
130	224	-.061	.076	.212	-.345
130	225	-.054	.075	.243	-.310
130	301	-.045	.076	.197	-.327
130	302	-.076	.089	.208	-.399
130	303	-.097	.093	.211	-.407
130	304	-.081	.091	.222	-.392
130	305	-.044	.070	.226	-.352
130	306	-.073	.080	.207	-.344
130	307	-.095	.083	.206	-.386
130	308	-.080	.083	.223	-.360
130	309	-.044	.069	.168	-.286
130	310	-.075	.083	.185	-.452
130	311	-.097	.087	.170	-.456
130	312	-.079	.085	.186	-.441
130	313	-.050	.070	.198	-.269
130	314	-.083	.083	.211	-.351
130	315	-.101	.084	.194	-.373
130	316	-.081	.084	.200	-.364
130	317	-.044	.070	.205	-.314
130	318	-.087	.083	.216	-.390
130	319	-.109	.084	.194	-.425
130	320	-.083	.081	.209	-.370
130	321	-.040	.072	.255	-.314
130	322	-.072	.086	.280	-.381
130	323	-.099	.086	.248	-.425
130	324	-.080	.084	.262	-.400
130	325	-.032	.067	.165	-.269
130	326	-.063	.081	.168	-.362
130	327	-.084	.083	.172	-.392
130	328	-.073	.083	.176	-.348
130	329	-.029	.068	.192	-.275
130	330	-.062	.080	.212	-.360
130	331	-.081	.083	.199	-.367
130	332	-.062	.080	.211	-.336
130	333	-.163	.081	.181	-.455
130	334	-.070	.074	.237	-.341
130	335	-.121	.075	.108	-.525
130	336	-.064	.082	.205	-.494
130	337	-.180	.091	.125	-.651
130	338	-.062	.073	.196	-.313
130	339	-.087	.071	.136	-.329
130	340	-.047	.079	.215	-.298
130	341	-.151	.086	.126	-.438
130	342	-.060	.079	.215	-.313
130	343	-.101	.071	.138	-.413
130	344	-.058	.077	.212	-.391
130	345	-.183	.085	.117	-.570
130	346	-.088	.079	.185	-.440
130	401	-.037	.096	.288	-.462
130	402	-.055	.107	.398	-.528
130	403	.013	.113	.415	-.433
130	404	-.014	.101	.398	-.377
130	405	.010	.120	.581	-.470
130	406	-.030	.129	.505	-.631
130	407	.019	.132	.634	-.403
130	408	-.022	.166	.724	-.658
130	409	.121	.206	.893	-.603
130	410	.033	.230	.917	-.707
130	411	-.040	.089	.267	-.373
130	412	-.044	.081	.242	-.300
130	413	.027	.110	.572	-.309
130	414	.007	.127	.590	-.428
130	415	.041	.128	.658	-.411
130	416	.011	.111	.542	-.356
130	417	-.005	.172	.614	-.812
130	418	.068	.185	.839	-.500
130	419	.081	.167	.756	-.503
130	420	-.085	.075	.189	-.360
130	421	-.038	.088	.301	-.348
130	422	-.034	.104	.350	-.432
130	423	.011	.103	.494	-.320
130	424	-.001	.088	.351	-.321
130	425	.027	.096	.404	-.313
130	426	-.011	.102	.423	-.369
130	427	-.023	.156	.473	-.799

APPENDIX A -- PRESSURE DATA: CONFIGURATION A: ONE LOGAN SQUARE

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
130	428	.042	.134	.651	-.410
130	429	.017	.120	.509	-.471
130	430	-.103	.088	.175	-.434
130	431	-.058	.086	.202	-.373
130	432	-.044	.080	.232	-.290
130	433	-.003	.094	.356	-.304
130	434	-.039	.097	.337	-.404
130	435	-.004	.093	.329	-.296
130	436	-.017	.086	.571	-.277
130	437	-.044	.131	.453	-.725
130	438	-.008	.142	.617	-.661
130	439	-.062	.081	.249	-.347
130	440	-.107	.078	.156	-.342
130	441	-.018	.086	.333	-.277
130	442	-.046	.091	.263	-.334
130	443	-.006	.088	.304	-.296
130	444	-.026	.080	.236	-.289
130	445	-.001	.092	.306	-.353
130	446	-.092	.124	.271	-.817
130	447	.015	.114	.562	-.417
130	448	-.020	.087	.290	-.387
130	449	-.049	.084	.230	-.415
130	450	-.090	.088	.203	-.462
130	451	-.030	.087	.325	-.383
130	452	-.038	.071	.320	-.323
130	453	-.000	.083	.412	-.320
130	454	-.042	.086	.311	-.356
130	455	-.013	.084	.298	-.323
130	456	-.097	.104	.208	-.667
130	457	.026	.110	.590	-.377
130	458	-.104	.088	.231	-.389
130	459	-.057	.082	.241	-.323
130	460	-.051	.076	.239	-.320
130	461	-.002	.088	.297	-.311
130	462	-.037	.092	.271	-.350
130	463	-.003	.088	.296	-.294
130	464	-.035	.072	.211	-.274
130	465	-.055	.097	.230	-.443
130	466	-.047	.119	.518	-.552
130	467	-.040	.098	.331	-.511
130	468	-.041	.076	.207	-.337
130	469	-.023	.085	.274	-.361
130	470	-.090	.093	.198	-.658
130	471	-.037	.097	.387	-.461
130	472	-.075	.070	.151	-.336
130	473	-.033	.080	.223	-.329
130	474	-.057	.085	.235	-.370
130	475	-.008	.082	.296	-.305
130	476	-.007	.079	.319	-.279
130	477	.007	.078	.258	-.290

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
130	478	-.114	.088	.175	-.434
130	479	-.030	.083	.246	-.331
130	501	-.054	.072	.200	-.317
130	502	-.065	.082	.232	-.346
130	503	-.119	.091	.227	-.417
130	504	-.090	.085	.265	-.408
130	505	-.050	.069	.249	-.301
130	506	-.113	.084	.218	-.423
130	507	-.088	.080	.212	-.369
130	508	-.068	.079	.231	-.327
130	509	-.018	.068	.187	-.263
130	510	-.056	.080	.189	-.362
130	511	-.134	.093	.212	-.538
130	512	-.079	.082	.202	-.366
130	513	-.036	.076	.208	-.351
130	514	-.120	.094	.199	-.468
130	515	-.080	.087	.205	-.442
130	516	-.063	.088	.253	-.422
130	517	-.012	.069	.215	-.273
130	518	-.058	.082	.200	-.386
130	519	-.079	.089	.235	-.393
130	520	-.077	.084	.192	-.387
130	521	-.066	.076	.180	-.329
130	522	-.086	.086	.189	-.385
130	523	-.075	.086	.238	-.369
130	524	-.057	.086	.272	-.328
130	525	-.008	.069	.255	-.236
130	526	-.053	.085	.269	-.333
130	601	-.069	.084	.222	-.399
130	602	-.065	.084	.221	-.341
130	603	-.021	.068	.233	-.235
130	604	-.060	.079	.217	-.317
130	605	-.070	.080	.222	-.328
130	606	-.060	.080	.226	-.319
130	607	-.016	.065	.218	-.237
130	608	-.055	.079	.226	-.332
130	609	-.062	.077	.215	-.331
130	610	-.064	.079	.202	-.359
130	611	-.016	.066	.274	-.239
130	612	-.058	.078	.310	-.311
130	613	-.098	.079	.239	-.374
130	614	-.082	.079	.256	-.365
130	615	-.029	.068	.207	-.263
130	616	-.080	.081	.211	-.358
130	617	-.087	.082	.206	-.387
130	618	-.105	.086	.225	-.444
130	619	-.038	.067	.178	-.265
130	620	-.097	.085	.185	-.389
130	621	-.071	.079	.191	-.334
130	622	-.080	.080	.179	-.354

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
130	623	-.034	.071	.196	-.315
130	624	-.082	.084	.184	-.403
130	625	-.092	.086	.178	-.417
130	626	-.078	.086	.220	-.420
130	701	-.029	.070	.214	-.297
130	702	-.060	.095	.277	-.448
130	703	-.069	.081	.207	-.375
130	704	-.080	.083	.168	-.493
130	705	-.000	.070	.215	-.255
130	706	-.097	.083	.291	-.363
130	707	-.083	.080	.172	-.381
130	708	-.084	.085	.203	-.364
130	709	-.025	.071	.243	-.375
130	710	-.045	.092	.392	-.369
130	711	-.065	.082	.228	-.315
130	712	-.069	.081	.228	-.353
130	713	-.001	.071	.303	-.257
130	714	-.050	.083	.283	-.345
130	715	-.076	.082	.259	-.353
130	716	-.084	.083	.228	-.354
130	717	-.020	.066	.250	-.245
130	718	-.028	.084	.302	-.291
130	719	-.065	.074	.183	-.323
130	720	-.068	.075	.177	-.328
130	721	-.014	.077	.226	-.288
130	722	-.053	.084	.215	-.339
130	723	-.068	.087	.223	-.374
130	724	-.050	.084	.234	-.333
130	725	-.074	.069	.181	-.316
130	726	-.049	.076	.229	-.314
130	727	-.136	.089	.177	-.442
130	728	-.083	.079	.268	-.366
130	729	-.012	.082	.257	-.277
130	801	-.197	.101	.204	-.533
130	802	-.064	.088	.243	-.475
130	803	-.076	.074	.241	-.410
130	804	-.018	.091	.327	-.405
130	805	-.138	.090	.192	-.747
130	806	-.032	.080	.270	-.338
130	807	-.019	.090	.449	-.343
130	808	.014	.094	.469	-.281
130	809	-.133	.099	.254	-.495
130	810	-.041	.085	.237	-.356
130	811	-.074	.074	.155	-.316
130	812	-.005	.087	.327	-.299
130	813	-.146	.104	.300	-.533
130	814	-.044	.086	.256	-.351
130	815	-.076	.070	.151	-.308
130	816	-.021	.081	.257	-.298
130	817	-.127	.089	.174	-.455

APPENDIX A -- PRESSURE DATA: CONFIGURATION A: ONE LOGAN SQUARE

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
130	818	-.056	.077	.176	-.330
130	819	-.062	.071	.187	-.278
130	820	-.034	.075	.203	-.259
130	821	-.138	.087	.148	-.436
130	822	-.057	.077	.183	-.295
130	823	-.083	.064	.157	-.285
130	901	-.058	.077	.252	-.342
130	902	-.193	.085	.140	-.528
130	903	-.061	.073	.268	-.304
130	904	-.099	.073	.182	-.375
130	905	-.059	.080	.259	-.368
130	906	-.156	.088	.165	-.471
130	907	-.076	.082	.235	-.404
130	908	-.112	.073	.157	-.385
130	909	-.091	.083	.211	-.386
130	910	-.170	.085	.174	-.472
130	911	-.058	.077	.247	-.350
130	912	-.109	.066	.137	-.379
130	913	-.043	.074	.239	-.314
130	914	-.213	.096	.177	-.608
130	915	-.074	.077	.250	-.331
130	916	-.133	.080	.119	-.429
130	917	-.018	.077	.245	-.321
130	918	-.152	.087	.152	-.503
130	919	-.068	.080	.207	-.375
130	920	-.094	.070	.120	-.365
130	921	-.034	.078	.216	-.344
130	922	-.153	.086	.116	-.493
130	923	-.058	.079	.176	-.369
130	924	-.104	.069	.104	-.365
130	925	-.042	.082	.251	-.353
130	1001	-.092	.074	.168	-.350
130	1002	-.037	.082	.215	-.340
130	1003	-.151	.104	.156	-.683
130	1004	-.055	.081	.194	-.381
130	1005	-.101	.068	.124	-.345
140	1	-.207	.169	.200	-1.110
140	2	-.417	.216	.107	-1.484
140	3	-.221	.154	.220	-1.052
140	4	-.088	.131	.421	-.870
140	5	-.324	.156	.288	-1.213
140	6	-.184	.146	.280	-.874
140	7	-.121	.092	.217	-.470
140	8	-.133	.100	.236	-.560
140	9	-.204	.165	.365	-.926
140	10	-.204	.202	.532	-1.017
140	11	-.189	.101	.090	-.650
140	12	-.100	.101	.211	-.508
140	13	-.208	.104	.079	-.733
140	14	-.117	.089	.187	-.645
140	15	-.130	.080	.137	-.435
140	101	-.379	.163	.024	-1.240
140	102	-.363	.196	.166	-1.360
140	103	-.286	.179	.152	-1.403
140	104	-.248	.147	.197	-1.132
140	105	-.296	.134	.092	-.829
140	106	-.326	.189	.126	-1.205
140	107	-.324	.166	.101	-1.611
140	108	-.190	.108	.159	-.681
140	109	-.146	.084	.108	-.617
140	110	-.110	.090	.198	-.448
140	111	-.113	.074	.120	-.489
140	112	-.131	.095	.163	-.646
140	113	-.322	.167	.163	-1.080
140	114	-.196	.108	.183	-.634
140	115	-.225	.128	.126	-.900
140	116	-.332	.198	.083	-1.473
140	117	-.159	.103	.162	-.632
140	118	-.122	.078	.140	-.367
140	119	-.091	.087	.175	-.446
140	120	-.346	.165	.134	-1.526
140	121	-.268	.153	.164	-1.477
140	122	-.251	.129	.081	-.882
140	123	-.208	.116	.168	-.799
140	124	-.174	.109	.249	-.618
140	125	-.199	.101	.089	-.770
140	126	-.184	.112	.159	-.825
140	127	-.208	.114	.154	-.802
140	128	-.148	.107	.227	-.876
140	129	-.137	.079	.132	-.468
140	130	-.109	.084	.197	-.418
140	131	-.134	.085	.194	-.421
140	132	-.108	.083	.198	-.388
140	133	-.266	.125	.315	-.909
140	134	-.253	.144	.362	-.969
140	135	-.243	.132	.225	-.644
140	136	-.153	.102	.224	-.642
140	137	-.163	.084	.102	-.565
140	138	-.163	.097	.140	-.646
140	139	-.203	.102	.088	-.644
140	140	-.171	.099	.102	-.601
140	141	-.136	.077	.161	-.440
140	142	-.114	.084	.204	-.408
140	143	-.140	.085	.161	-.425
140	144	-.107	.081	.182	-.386
140	145	-.165	.072	.191	-.369
140	146	-.237	.130	.146	-.941
140	147	-.273	.138	.163	-1.085
140	148	-.204	.130	.177	-1.063
140	149	-.137	.083	.145	-.579
140	150	-.129	.087	.151	-.485
140	151	-.170	.088	.115	-.511
140	152	-.148	.088	.143	-.455
140	153	-.151	.080	.116	-.505
140	154	-.119	.087	.209	-.479
140	155	-.139	.086	.191	-.461
140	156	-.105	.085	.199	-.427
140	157	-.106	.073	.123	-.364
140	158	-.105	.083	.166	-.404
140	159	-.282	.144	.162	-1.053
140	160	-.242	.145	.170	-1.102
140	161	-.166	.105	.113	-.637
140	162	-.120	.088	.187	-.517
140	163	-.160	.084	.241	-.446
140	164	-.140	.082	.284	-.431
140	165	-.137	.075	.116	-.394
140	166	-.133	.084	.161	-.440
140	167	-.145	.086	.140	-.487
140	168	-.103	.083	.170	-.441
140	169	-.095	.070	.232	-.331
140	170	-.093	.079	.257	-.338
140	171	-.131	.081	.228	-.386
140	172	-.198	.128	.209	-.992
140	173	-.173	.115	.139	-.826
140	174	-.113	.101	.185	-.672
140	175	-.133	.087	.134	-.469
140	176	-.111	.084	.167	-.416
140	177	-.110	.076	.143	-.397
140	178	-.118	.087	.181	-.458
140	179	-.156	.089	.149	-.504
140	180	-.105	.082	.156	-.397
140	181	-.057	.069	.187	-.328
140	182	-.083	.081	.184	-.418
140	183	-.105	.083	.160	-.463
140	184	-.088	.082	.177	-.427
140	185	-.092	.089	.239	-.482
140	186	-.115	.101	.250	-.617
140	187	-.108	.087	.200	-.513
140	188	-.082	.080	.212	-.332
140	189	-.062	.069	.174	-.351
140	190	-.103	.083	.202	-.456
140	191	-.132	.087	.182	-.501
140	192	-.112	.084	.192	-.470
140	193	-.055	.067	.168	-.260
140	194	-.078	.078	.172	-.316
140	195	-.097	.080	.160	-.344
140	196	-.082	.079	.163	-.343
140	197	-.053	.067	.167	-.257
140	198	-.092	.082	.188	-.348
140	199	-.083	.076	.201	-.344

APPENDIX A -- PRESSURE DATA: CONFIGURATION A: ONE LOGAN SQUARE

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
140	200	-.104	.082	.177	-.372
140	201	-.068	.069	.173	-.310
140	202	-.094	.083	.192	-.377
140	203	-.114	.084	.182	-.405
140	204	-.087	.083	.199	-.394
140	205	-.063	.066	.170	-.281
140	206	-.086	.078	.208	-.350
140	207	-.128	.106	.193	-.596
140	208	-.096	.097	.207	-.417
140	209	-.133	.083	.210	-.395
140	210	-.082	.086	.209	-.371
140	211	-.104	.074	.123	-.351
140	212	-.083	.075	.202	-.315
140	213	-.045	.068	.182	-.256
140	214	-.077	.081	.208	-.331
140	215	-.095	.063	.123	-.306
140	216	-.095	.089	.215	-.433
140	217	-.051	.073	.195	-.317
140	218	-.071	.089	.249	-.404
140	219	-.107	.083	.213	-.456
140	220	-.087	.082	.197	-.414
140	221	-.053	.066	.191	-.253
140	222	-.086	.079	.192	-.331
140	223	-.106	.082	.207	-.385
140	224	-.078	.079	.235	-.333
140	225	-.068	.074	.177	-.319
140	301	-.071	.076	.203	-.439
140	302	-.104	.089	.212	-.426
140	303	-.129	.092	.218	-.439
140	304	-.105	.089	.175	-.431
140	305	-.069	.078	.239	-.320
140	306	-.103	.088	.204	-.373
140	307	-.126	.091	.209	-.409
140	308	-.109	.088	.206	-.413
140	309	-.064	.072	.186	-.318
140	310	-.099	.086	.206	-.401
140	311	-.125	.091	.187	-.452
140	312	-.102	.089	.201	-.423
140	313	-.061	.071	.163	-.312
140	314	-.099	.084	.173	-.407
140	315	-.123	.088	.160	-.484
140	316	-.096	.089	.209	-.474
140	317	-.051	.074	.217	-.304
140	318	-.100	.083	.213	-.360
140	319	-.128	.085	.188	-.406
140	320	-.098	.084	.209	-.361
140	321	-.049	.073	.206	-.306
140	322	-.089	.086	.208	-.387
140	323	-.127	.086	.168	-.402
140	324	-.101	.084	.178	-.365
140	325	-.039	.068	.181	-.257
140	326	-.078	.081	.244	-.369
140	327	-.106	.083	.247	-.401
140	328	-.090	.081	.175	-.344
140	329	-.045	.076	.197	-.544
140	330	-.083	.086	.212	-.431
140	331	-.107	.087	.189	-.412
140	332	-.082	.085	.209	-.373
140	333	-.196	.097	.141	-.587
140	334	-.094	.088	.215	-.387
140	335	-.129	.081	.104	-.698
140	336	-.071	.085	.195	-.449
140	337	-.197	.095	.098	-.628
140	338	-.078	.078	.189	-.508
140	339	-.106	.071	.130	-.372
140	340	-.065	.081	.207	-.507
140	341	-.175	.088	.127	-.500
140	342	-.079	.080	.200	-.368
140	343	-.113	.075	.220	-.581
140	344	-.066	.087	.230	-.531
140	345	-.199	.097	.143	-.624
140	346	-.096	.089	.213	-.475
140	401	-.029	.097	.331	-.361
140	402	-.032	.111	.463	-.397
140	403	.058	.121	.580	-.303
140	404	.042	.108	.469	-.270
140	405	.077	.123	.505	-.264
140	406	.049	.140	.636	-.349
140	407	.112	.156	.710	-.387
140	408	.092	.159	.655	-.443
140	409	.078	.210	.908	-.668
140	410	-.063	.240	.868	-.951
140	411	-.041	.091	.285	-.355
140	412	-.023	.090	.382	-.293
140	413	.090	.120	.505	-.278
140	414	.105	.150	.686	-.352
140	415	.137	.150	.756	-.319
140	416	.090	.131	.571	-.299
140	417	.122	.175	.798	-.414
140	418	.028	.185	.851	-.763
140	419	.056	.207	.702	-.925
140	420	-.097	.075	.228	-.374
140	421	-.025	.091	.396	-.342
140	422	.010	.114	.607	-.312
140	423	.071	.117	.625	-.254
140	424	.059	.100	.449	-.247
140	425	.099	.113	.659	-.244
140	426	.061	.125	.592	-.299
140	427	.056	.135	.630	-.361
140	428	-.042	.137	.408	-.735
140	429	-.051	.132	.462	-.606
140	430	-.119	.085	.235	-.451
140	431	-.063	.084	.274	-.372
140	432	-.025	.078	.285	-.275
140	433	.037	.091	.376	-.296
140	434	.007	.097	.472	-.299
140	435	.050	.095	.453	-.252
140	436	.016	.091	.431	-.284
140	437	.006	.111	.690	-.534
140	438	-.097	.139	.437	-.829
140	439	-.072	.079	.211	-.334
140	440	-.126	.076	.135	-.370
140	441	-.019	.086	.351	-.292
140	442	-.044	.094	.371	-.349
140	443	.004	.091	.405	-.289
140	444	-.014	.081	.309	-.251
140	445	.023	.091	.406	-.284
140	446	-.053	.101	.504	-.416
140	447	-.045	.115	.314	-.614
140	448	-.074	.101	.307	-.634
140	449	-.069	.085	.315	-.376
140	450	-.115	.089	.309	-.432
140	451	-.045	.088	.391	-.345
140	452	-.067	.077	.177	-.330
140	453	-.014	.087	.259	-.286
140	454	-.050	.092	.319	-.388
140	455	-.015	.088	.276	-.378
140	456	-.076	.086	.212	-.412
140	457	-.032	.113	.352	-.537
140	458	-.120	.088	.170	-.467
140	459	-.063	.080	.198	-.389
140	460	-.056	.062	.182	-.260
140	461	-.006	.073	.247	-.245
140	462	-.034	.077	.251	-.305
140	463	.016	.075	.288	-.227
140	464	-.029	.078	.256	-.277
140	465	-.043	.094	.317	-.412
140	466	-.105	.113	.291	-.591
140	467	-.087	.105	.239	-.571
140	468	-.048	.076	.206	-.282
140	469	-.034	.083	.247	-.314
140	470	-.101	.091	.215	-.428
140	471	-.068	.090	.317	-.402
140	472	-.066	.076	.163	-.329
140	473	-.006	.086	.280	-.301
140	474	-.026	.093	.404	-.338
140	475	.016	.092	.373	-.288
140	476	.009	.087	.316	-.277
140	477	.036	.091	.416	-.303
140	478	-.111	.090	.252	-.461

APPENDIX A -- PRESSURE DATA: CONFIGURATION A: ONE LOGAN SQUARE

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
140	479	-.058	.087	.329	-.375
140	501	-.060	.069	.140	-.341
140	502	-.070	.078	.161	-.331
140	503	-.125	.085	.126	-.470
140	504	-.097	.079	.152	-.402
140	505	-.053	.071	.168	-.333
140	506	-.106	.085	.166	-.465
140	507	-.093	.083	.162	-.422
140	508	-.074	.082	.178	-.380
140	509	-.023	.065	.227	-.230
140	510	-.057	.077	.255	-.326
140	511	-.137	.086	.172	-.412
140	512	-.088	.081	.176	-.356
140	513	-.043	.066	.204	-.290
140	514	-.112	.082	.202	-.394
140	515	-.087	.078	.184	-.396
140	516	-.068	.077	.208	-.364
140	517	-.015	.065	.237	-.232
140	518	-.052	.077	.255	-.314
140	519	-.085	.084	.214	-.379
140	520	-.083	.080	.182	-.351
140	521	-.065	.068	.163	-.340
140	522	-.088	.077	.178	-.400
140	523	-.083	.077	.182	-.405
140	524	-.062	.077	.214	-.377
140	525	-.018	.063	.207	-.212
140	526	-.051	.077	.233	-.299
140	601	-.081	.076	.189	-.333
140	602	-.063	.075	.204	-.295
140	603	-.029	.061	.229	-.260
140	604	-.073	.072	.221	-.332
140	605	-.061	.073	.251	-.342
140	606	-.063	.072	.248	-.335
140	607	-.033	.067	.214	-.254
140	608	-.062	.078	.215	-.330
140	609	-.079	.078	.201	-.323
140	610	-.054	.077	.223	-.305
140	611	-.024	.068	.202	-.249
140	612	-.075	.080	.195	-.348
140	613	-.108	.080	.144	-.380
140	614	-.094	.079	.159	-.374
140	615	-.050	.064	.183	-.292
140	616	-.097	.077	.171	-.415
140	617	-.106	.077	.181	-.402
140	618	-.130	.080	.161	-.430
140	619	-.059	.068	.142	-.302
140	620	-.126	.086	.142	-.444
140	621	-.094	.080	.146	-.377
140	622	-.102	.080	.141	-.411
140	623	-.051	.063	.147	-.240
140	624	-.090	.074	.146	-.311
140	625	-.106	.076	.157	-.347
140	626	-.082	.078	.197	-.356
140	701	-.042	.068	.202	-.266
140	702	-.063	.088	.315	-.354
140	703	-.085	.081	.192	-.373
140	704	-.088	.081	.195	-.397
140	705	-.017	.077	.265	-.281
140	706	-.115	.081	.192	-.373
140	707	-.099	.088	.193	-.390
140	708	-.106	.093	.191	-.459
140	709	-.050	.068	.200	-.267
140	710	-.047	.085	.253	-.325
140	711	-.081	.079	.185	-.357
140	712	-.085	.077	.188	-.349
140	713	-.019	.068	.201	-.249
140	714	-.063	.078	.208	-.341
140	715	-.086	.078	.181	-.382
140	716	-.096	.080	.162	-.370
140	717	-.041	.063	.170	-.247
140	718	-.024	.078	.247	-.281
140	719	-.074	.078	.302	-.363
140	720	-.083	.075	.225	-.341
140	721	-.019	.068	.256	-.271
140	722	-.073	.074	.211	-.342
140	723	-.088	.078	.205	-.373
140	724	-.072	.075	.199	-.348
140	725	-.102	.071	.130	-.321
140	726	-.075	.077	.195	-.294
140	727	-.149	.092	.220	-.433
140	728	-.065	.089	.268	-.466
140	729	-.019	.080	.301	-.271
140	801	-.208	.099	.220	-.532
140	802	-.072	.089	.306	-.496
140	803	-.095	.072	.176	-.332
140	804	-.040	.086	.363	-.308
140	805	-.163	.100	.165	-.548
140	806	-.041	.081	.210	-.320
140	807	-.062	.073	.287	-.313
140	808	-.018	.087	.377	-.327
140	809	-.155	.096	.171	-.491
140	810	-.054	.078	.194	-.296
140	811	-.080	.074	.152	-.357
140	812	-.028	.081	.235	-.320
140	813	-.183	.104	.150	-.563
140	814	-.062	.084	.218	-.366
140	815	-.087	.071	.153	-.331
140	816	-.042	.080	.248	-.304
140	817	-.159	.087	.145	-.473
140	818	-.076	.076	.196	-.328
140	819	-.092	.073	.145	-.338
140	820	-.057	.078	.209	-.324
140	821	-.175	.088	.122	-.468
140	822	-.081	.080	.192	-.352
140	823	-.105	.072	.147	-.369
140	901	-.065	.076	.188	-.301
140	902	-.197	.089	.084	-.494
140	903	-.070	.078	.178	-.345
140	904	-.106	.073	.132	-.384
140	905	-.066	.081	.220	-.359
140	906	-.172	.089	.110	-.474
140	907	-.086	.083	.170	-.357
140	908	-.120	.072	.168	-.400
140	909	-.090	.081	.188	-.352
140	910	-.186	.088	.110	-.484
140	911	-.075	.078	.205	-.358
140	912	-.116	.067	.097	-.460
140	913	-.047	.078	.232	-.407
140	914	-.230	.095	.124	-.676
140	915	-.088	.080	.208	-.433
140	916	-.176	.092	.138	-.606
140	917	-.042	.078	.245	-.314
140	918	-.185	.086	.149	-.475
140	919	-.093	.078	.212	-.370
140	920	-.117	.073	.126	-.437
140	921	-.054	.077	.228	-.334
140	922	-.183	.087	.125	-.494
140	923	-.080	.079	.200	-.352
140	924	-.118	.063	.117	-.318
140	925	-.061	.073	.213	-.302
140	1001	-.115	.075	.115	-.394
140	1002	-.064	.080	.199	-.321
140	1003	-.219	.108	.136	-.637
140	1004	-.087	.080	.178	-.364
140	1005	-.121	.071	.121	-.381
150	1	-.366	.188	.153	-1.221
150	2	-.415	.216	.116	-1.293
150	3	-.347	.151	.106	-1.071
150	4	-.212	.155	.310	-.891
150	5	-.376	.159	.121	-1.173
150	6	-.275	.168	.226	-1.289
150	7	-.190	.106	.199	-.768
150	8	-.182	.117	.259	-.770
150	9	-.298	.151	.230	-.970
150	10	-.335	.183	.173	-1.212
150	11	-.284	.112	.025	-.704
150	12	-.186	.122	.189	-.792
150	13	-.244	.113	.131	-.778
150	14	-.165	.106	.228	-.796
150	15	-.190	.097	.104	-.704

APPENDIX A -- PRESSURE DATA: CONFIGURATION A; ONE LOGAN SQUARE

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
150	101	-.298	.122	-.001	-.910
150	102	-.317	.147	.101	-1.038
150	103	-.328	.150	.088	-1.030
150	104	-.256	.132	.193	-.995
150	105	-.240	.117	.096	-1.139
150	106	-.234	.125	.160	-.846
150	107	-.268	.123	.086	-.857
150	108	-.198	.110	.172	-.674
150	109	-.162	.093	.128	-.703
150	110	-.147	.102	.211	-.580
150	111	-.157	.088	.091	-.592
150	112	-.186	.108	.192	-.792
150	113	-.298	.143	.087	-1.106
150	114	-.251	.117	.057	-.696
150	115	-.237	.131	.104	-.856
150	116	-.294	.145	.080	-1.442
150	117	-.192	.108	.093	-.604
150	118	-.143	.083	.173	-.542
150	119	-.134	.102	.178	-.667
150	120	-.362	.150	.040	-1.220
150	121	-.293	.139	.099	-1.099
150	122	-.297	.115	.121	-1.402
150	123	-.294	.132	.179	-1.078
150	124	-.229	.123	.172	-1.021
150	125	-.218	.106	.086	-.789
150	126	-.208	.111	.118	-.786
150	127	-.249	.113	.089	-.831
150	128	-.183	.100	.118	-.705
150	129	-.148	.077	.112	-.473
150	130	-.139	.084	.157	-.500
150	131	-.177	.087	.101	-.519
150	132	-.137	.085	.132	-.448
150	133	-.272	.107	.048	-.816
150	134	-.284	.125	.135	-.955
150	135	-.337	.124	.075	-.853
150	136	-.242	.105	.129	-.609
150	137	-.205	.094	.094	-.629
150	138	-.214	.108	.128	-.714
150	139	-.259	.107	.077	-.675
150	140	-.208	.100	.125	-.554
150	141	-.169	.076	.074	-.471
150	142	-.154	.082	.126	-.544
150	143	-.183	.081	.087	-.566
150	144	-.131	.077	.139	-.477
150	145	-.119	.071	.121	-.391
150	146	-.276	.122	.026	-.890
150	147	-.332	.128	-.021	-.979
150	148	-.288	.130	.035	-.955
150	149	-.208	.102	.109	-.686
150	150	-.190	.103	.130	-.653
150	151	-.242	.104	.101	-.695
150	152	-.196	.098	.097	-.621
150	153	-.174	.079	.082	-.506
150	154	-.163	.086	.164	-.508
150	155	-.198	.086	.113	-.580
150	156	-.138	.081	.171	-.498
150	157	-.112	.067	.104	-.333
150	158	-.124	.079	.138	-.379
150	159	-.380	.154	.095	-1.339
150	160	-.332	.156	.133	-1.379
150	161	-.234	.125	.151	-.740
150	162	-.171	.101	.138	-.602
150	163	-.218	.090	.070	-.590
150	164	-.178	.086	.108	-.531
150	165	-.164	.074	.073	-.525
150	166	-.174	.084	.095	-.646
150	167	-.200	.081	.043	-.501
150	168	-.139	.078	.098	-.460
150	169	-.114	.070	.116	-.418
150	170	-.120	.081	.155	-.389
150	171	-.175	.085	.110	-.469
150	172	-.306	.177	.141	-1.557
150	173	-.256	.159	.188	-1.392
150	174	-.158	.112	.165	-.819
150	175	-.179	.087	.086	-.460
150	176	-.142	.082	.148	-.405
150	177	-.137	.076	.133	-.390
150	178	-.160	.090	.148	-.548
150	179	-.216	.093	.108	-.540
150	180	-.139	.083	.138	-.428
150	181	-.062	.065	.209	-.307
150	182	-.103	.077	.226	-.405
150	183	-.137	.081	.189	-.482
150	184	-.115	.079	.210	-.475
150	185	-.113	.103	.188	-.614
150	186	-.149	.117	.212	-.791
150	187	-.140	.084	.127	-.568
150	188	-.121	.080	.132	-.376
150	189	-.070	.069	.205	-.289
150	190	-.137	.084	.175	-.400
150	191	-.181	.089	.140	-.469
150	192	-.152	.086	.169	-.460
150	193	-.058	.069	.147	-.306
150	194	-.105	.081	.146	-.401
150	195	-.135	.082	.138	-.446
150	196	-.112	.081	.132	-.405
150	197	-.046	.070	.198	-.318
150	198	-.115	.083	.180	-.413
150	199	-.113	.078	.179	-.398
150	200	-.139	.084	.165	-.434
150	201	-.072	.072	.159	-.367
150	202	-.124	.085	.160	-.462
150	203	-.155	.087	.119	-.486
150	204	-.118	.085	.158	-.459
150	205	-.062	.067	.188	-.284
150	206	-.113	.080	.175	-.383
150	207	-.144	.102	.156	-.746
150	208	-.099	.092	.166	-.542
150	209	-.152	.087	.169	-.487
150	210	-.106	.083	.174	-.444
150	211	-.142	.072	.077	-.417
150	212	-.102	.078	.182	-.382
150	213	-.038	.070	.195	-.307
150	214	-.098	.084	.184	-.422
150	215	-.123	.064	.083	-.349
150	216	-.131	.095	.167	-.483
150	217	-.050	.075	.189	-.333
150	218	-.089	.092	.246	-.444
150	219	-.145	.087	.102	-.461
150	220	-.120	.082	.116	-.432
150	221	-.052	.064	.208	-.272
150	222	-.107	.078	.200	-.371
150	223	-.145	.080	.170	-.413
150	224	-.104	.077	.194	-.369
150	225	-.081	.079	.205	-.323
150	301	-.074	.084	.198	-.490
150	302	-.129	.099	.194	-.615
150	303	-.172	.102	.201	-.641
150	304	-.132	.095	.193	-.568
150	305	-.077	.078	.166	-.396
150	306	-.130	.093	.182	-.493
150	307	-.169	.094	.135	-.542
150	308	-.144	.096	.165	-.643
150	309	-.072	.080	.200	-.386
150	310	-.119	.095	.205	-.491
150	311	-.157	.097	.167	-.513
150	312	-.125	.094	.199	-.475
150	313	-.065	.070	.183	-.357
150	314	-.118	.084	.182	-.450
150	315	-.156	.088	.166	-.516
150	316	-.118	.088	.219	-.400
150	317	-.067	.071	.149	-.344
150	318	-.134	.084	.155	-.580
150	319	-.177	.086	.120	-.584
150	320	-.133	.084	.164	-.491
150	321	-.057	.070	.150	-.400
150	322	-.107	.085	.147	-.507
150	323	-.168	.088	.087	-.546
150	324	-.132	.084	.122	-.504
150	325	-.057	.071	.166	-.332

APPENDIX A -- PRESSURE DATA: CONFIGURATION A: ONE LOGAN SQUARE

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
150	326	-.106	.088	.198	-.520
150	327	-.148	.092	.175	-.638
150	328	-.135	.094	.145	-.651
150	329	-.066	.066	.156	-.355
150	330	-.112	.079	.140	-.414
150	331	-.150	.085	.126	-.641
150	332	-.114	.082	.150	-.562
150	333	-.247	.097	.063	-.779
150	334	-.134	.086	.148	-.434
150	335	-.178	.085	.041	-.673
150	336	-.112	.093	.113	-.810
150	337	-.249	.105	.017	-.882
150	338	-.100	.083	.177	-.379
150	339	-.134	.076	.135	-.575
150	340	-.084	.089	.396	-.478
150	341	-.178	.100	.269	-.652
150	342	-.090	.086	.287	-.492
150	343	-.135	.081	.152	-.522
150	344	-.085	.096	.249	-.580
150	345	-.249	.123	.226	-1.230
150	346	-.142	.117	.250	-1.147
150	401	-.016	.107	.498	-.370
150	402	-.005	.125	.556	-.422
150	403	.100	.136	.661	-.322
150	404	.065	.131	.562	-.326
150	405	.108	.149	.796	-.292
150	406	.064	.158	.827	-.401
150	407	.120	.160	.753	-.366
150	408	.108	.161	.678	-.397
150	409	-.006	.190	.753	-.960
150	410	-.212	.236	.693	-1.267
150	411	-.031	.096	.408	-.389
150	412	-.003	.111	.416	-.324
150	413	.142	.159	.646	-.325
150	414	.150	.176	.811	-.370
150	415	.177	.171	.770	-.342
150	416	.140	.139	.673	-.222
150	417	.170	.169	.868	-.335
150	418	-.002	.167	.739	-.833
150	419	.012	.218	.741	-.977
150	420	-.117	.084	.245	-.414
150	421	-.018	.107	.450	-.387
150	422	.052	.145	.547	-.363
150	423	.119	.147	.633	-.286
150	424	.106	.129	.712	-.301
150	425	.158	.146	.886	-.232
150	426	.138	.168	.948	-.328
150	427	.122	.171	.845	-.484
150	428	-.092	.166	.444	-1.013
150	429	-.107	.198	.555	-1.221

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
150	430	-.142	.094	.219	-.450
150	431	-.075	.096	.314	-.386
150	432	-.019	.108	.501	-.307
150	433	.043	.121	.540	-.295
150	434	.004	.123	.477	-.330
150	435	.053	.118	.543	-.251
150	436	.036	.117	.542	-.264
150	437	.035	.145	.720	-.577
150	438	-.131	.171	.335	-1.309
150	439	-.102	.084	.191	-.437
150	440	-.147	.085	.227	-.464
150	441	-.033	.099	.471	-.380
150	442	-.066	.102	.360	-.384
150	443	-.018	.098	.389	-.306
150	444	-.034	.088	.411	-.301
150	445	.024	.100	.531	-.262
150	446	-.049	.120	.512	-.476
150	447	-.085	.132	.442	-.778
150	448	-.102	.107	.222	-.914
150	449	-.103	.084	.190	-.450
150	450	-.150	.087	.151	-.501
150	451	-.068	.085	.216	-.397
150	452	-.101	.080	.218	-.373
150	453	-.036	.091	.316	-.343
150	454	-.072	.095	.273	-.371
150	455	-.027	.093	.294	-.326
150	456	-.075	.090	.218	-.490
150	457	-.056	.115	.356	-.560
150	458	-.147	.088	.190	-.466
150	459	-.076	.079	.219	-.363
150	460	-.056	.081	.222	-.341
150	461	-.003	.092	.303	-.319
150	462	-.037	.100	.335	-.366
150	463	.015	.097	.378	-.324
150	464	-.048	.084	.274	-.301
150	465	-.057	.102	.325	-.433
150	466	-.092	.114	.262	-.677
150	467	-.074	.107	.276	-.626
150	468	-.048	.078	.223	-.310
150	469	-.043	.085	.218	-.338
150	470	-.115	.092	.179	-.540
150	471	-.069	.101	.344	-.624
150	472	-.062	.079	.223	-.366
150	473	.014	.088	.313	-.307
150	474	.001	.098	.355	-.311
150	475	.040	.099	.430	-.260
150	476	.058	.112	.500	-.259
150	477	.077	.118	.483	-.315
150	478	-.119	.099	.343	-.560
150	479	-.095	.111	.259	-.604

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
150	501	-.086	.072	.144	-.372
150	502	-.085	.076	.173	-.391
150	503	-.150	.086	.186	-.506
150	504	-.115	.080	.206	-.412
150	505	-.076	.069	.163	-.366
150	506	-.129	.082	.164	-.490
150	507	-.112	.080	.177	-.433
150	508	-.088	.080	.186	-.367
150	509	-.039	.066	.190	-.264
150	510	-.066	.078	.213	-.353
150	511	-.158	.092	.148	-.498
150	512	-.100	.082	.214	-.400
150	513	-.056	.063	.152	-.249
150	514	-.130	.077	.121	-.382
150	515	-.103	.074	.141	-.318
150	516	-.076	.073	.165	-.329
150	517	-.025	.066	.205	-.261
150	518	-.055	.078	.200	-.338
150	519	-.085	.082	.192	-.396
150	520	-.091	.078	.187	-.361
150	521	-.078	.071	.189	-.332
150	522	-.099	.078	.184	-.369
150	523	-.093	.077	.176	-.374
150	524	-.070	.076	.175	-.339
150	525	-.021	.068	.215	-.254
150	526	-.052	.083	.249	-.405
150	601	-.103	.089	.162	-.364
150	602	-.074	.081	.235	-.354
150	603	-.050	.063	.161	-.277
150	604	-.106	.078	.173	-.413
150	605	-.067	.072	.171	-.363
150	606	-.082	.074	.172	-.393
150	607	-.067	.075	.164	-.390
150	608	-.086	.080	.216	-.362
150	609	-.105	.082	.193	-.411
150	610	-.057	.077	.250	-.321
150	611	-.037	.068	.172	-.287
150	612	-.107	.083	.242	-.443
150	613	-.142	.082	.106	-.426
150	614	-.125	.081	.133	-.430
150	615	-.078	.067	.148	-.281
150	616	-.128	.078	.153	-.371
150	617	-.138	.080	.172	-.403
150	618	-.158	.083	.117	-.469
150	619	-.081	.066	.115	-.303
150	620	-.151	.083	.102	-.443
150	621	-.119	.078	.127	-.389
150	622	-.126	.077	.131	-.387
150	623	-.085	.062	.127	-.321
150	624	-.123	.073	.129	-.386

APPENDIX A -- PRESSURE DATA: CONFIGURATION A: ONE LOGAN SQUARE

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
150	625	-.143	.076	.119	-.451
150	626	-.105	.084	.291	-.413
150	701	-.072	.061	.137	-.278
150	702	-.103	.086	.222	-.394
150	703	-.117	.075	.150	-.388
150	704	-.118	.077	.147	-.389
150	705	-.050	.070	.206	-.335
150	706	-.146	.081	.153	-.494
150	707	-.132	.079	.174	-.404
150	708	-.136	.081	.194	-.425
150	709	-.079	.065	.155	-.313
150	710	-.076	.080	.192	-.348
150	711	-.102	.080	.162	-.401
150	712	-.110	.076	.147	-.375
150	713	-.049	.067	.148	-.292
150	714	-.091	.079	.148	-.377
150	715	-.123	.079	.123	-.415
150	716	-.131	.082	.133	-.401
150	717	-.075	.065	.212	-.348
150	718	-.056	.085	.308	-.358
150	719	-.093	.080	.228	-.397
150	720	-.117	.075	.147	-.366
150	721	-.047	.069	.189	-.298
150	722	-.088	.074	.159	-.325
150	723	-.110	.078	.146	-.355
150	724	-.087	.075	.162	-.331
150	725	-.131	.074	.123	-.370
150	726	-.110	.082	.159	-.392
150	727	-.166	.100	.179	-.530
150	728	-.084	.109	.434	-.379
150	729	-.026	.086	.442	-.341
150	801	-.236	.102	.157	-.553
150	802	-.079	.086	.237	-.359
150	803	-.120	.078	.158	-.437
150	804	-.045	.095	.345	-.389
150	805	-.163	.101	.237	-.512
150	806	-.051	.088	.302	-.415
150	807	-.058	.083	.272	-.312
150	808	-.005	.096	.412	-.333
150	809	-.163	.094	.202	-.502
150	810	-.059	.081	.250	-.335
150	811	-.097	.073	.110	-.419
150	812	-.023	.081	.235	-.363
150	813	-.175	.099	.159	-.555
150	814	-.086	.083	.166	-.400
150	815	-.100	.071	.172	-.314
150	816	-.065	.074	.169	-.313
150	817	-.191	.084	.104	-.488
150	818	-.101	.072	.134	-.343
150	819	-.124	.071	.129	-.363

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
150	820	-.079	.076	.196	-.333
150	821	-.200	.088	.112	-.496
150	822	-.106	.078	.184	-.371
150	823	-.136	.074	.175	-.381
150	901	-.086	.076	.152	-.343
150	902	-.232	.097	.105	-.561
150	903	-.089	.084	.247	-.378
150	904	-.139	.077	.110	-.395
150	905	-.087	.085	.174	-.392
150	906	-.203	.094	.092	-.548
150	907	-.114	.085	.173	-.421
150	908	-.158	.077	.098	-.400
150	909	-.127	.085	.214	-.386
150	910	-.225	.090	.064	-.504
150	911	-.105	.081	.157	-.365
150	912	-.145	.073	.081	-.367
150	913	-.082	.084	.230	-.358
150	914	-.277	.104	.043	-.631
150	915	-.114	.084	.149	-.399
150	916	-.215	.084	.062	-.543
150	917	-.074	.075	.169	-.341
150	918	-.230	.085	.064	-.540
150	919	-.131	.076	.122	-.410
150	920	-.148	.081	.098	-.543
150	921	-.075	.082	.183	-.322
150	922	-.213	.094	.091	-.482
150	923	-.102	.083	.156	-.350
150	924	-.161	.068	.057	-.422
150	925	-.082	.079	.146	-.358
150	1001	-.141	.084	.119	-.445
150	1002	-.095	.089	.205	-.400
150	1003	-.246	.127	.129	-.798
150	1004	-.116	.087	.143	-.396
150	1005	-.160	.068	.077	-.414
160	1	-.417	.195	.100	-1.506
160	2	-.419	.234	.126	-1.870
160	3	-.372	.156	.014	-1.204
160	4	-.253	.169	.281	-1.109
160	5	-.409	.171	.002	-1.593
160	6	-.321	.188	.184	-1.328
160	7	-.228	.132	.238	-1.004
160	8	-.228	.139	.192	-.980
160	9	-.357	.158	.306	-1.101
160	10	-.415	.208	.240	-1.304
160	11	-.298	.110	.003	-.833
160	12	-.222	.133	.128	-1.098
160	13	-.284	.132	.077	-.872
160	14	-.200	.131	.178	-.895
160	15	-.217	.119	.090	-1.374
160	101	-.241	.106	.072	-.669

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
160	102	-.268	.128	.118	-.759
160	103	-.342	.147	.082	-1.018
160	104	-.286	.149	.164	-1.186
160	105	-.250	.132	.109	-.917
160	106	-.242	.135	.147	-.941
160	107	-.296	.133	.053	-.989
160	108	-.220	.125	.158	-.853
160	109	-.183	.105	.164	-.640
160	110	-.173	.115	.162	-.776
160	111	-.195	.100	.134	-.654
160	112	-.238	.120	.161	-.776
160	113	-.265	.128	.129	-.829
160	114	-.229	.108	.138	-.711
160	115	-.251	.142	.224	-.853
160	116	-.298	.135	.178	-.870
160	117	-.205	.118	.190	-.687
160	118	-.154	.099	.173	-.571
160	119	-.174	.122	.216	-.801
160	120	-.334	.131	.106	-.862
160	121	-.276	.125	.157	-.819
160	122	-.298	.113	.081	-.695
160	123	-.326	.142	.105	-1.154
160	124	-.264	.136	.116	-.849
160	125	-.239	.119	.113	-1.019
160	126	-.225	.120	.155	-.873
160	127	-.286	.122	.110	-.931
160	128	-.198	.107	.161	-.707
160	129	-.159	.088	.128	-.555
160	130	-.153	.100	.181	-.534
160	131	-.217	.105	.136	-.688
160	132	-.161	.101	.174	-.598
160	133	-.208	.090	.078	-.593
160	134	-.226	.103	.100	-.711
160	135	-.323	.112	.071	-.723
160	136	-.254	.109	.098	-.645
160	137	-.245	.101	.084	-.711
160	138	-.261	.116	.119	-.854
160	139	-.317	.114	.062	-.793
160	140	-.237	.104	.112	-.647
160	141	-.182	.085	.087	-.534
160	142	-.170	.091	.104	-.482
160	143	-.217	.094	.097	-.555
160	144	-.147	.089	.151	-.467
160	145	-.126	.083	.147	-.486
160	146	-.262	.115	.133	-.738
160	147	-.341	.122	.091	-.827
160	148	-.286	.118	.102	-.784
160	149	-.242	.104	.037	-.853
160	150	-.232	.113	.126	-.729
160	151	-.306	.118	.069	-.871

APPENDIX A -- PRESSURE DATA: CONFIGURATION A: ONE LOGAN SQUARE

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
160	152	-.226	.100	.128	-.707
160	153	-.209	.089	.073	-.623
160	154	-.187	.088	.100	-.465
160	155	-.230	.086	.051	-.495
160	156	-.145	.080	.101	-.381
160	157	-.116	.070	.145	-.361
160	158	-.133	.082	.174	-.420
160	159	-.402	.147	.016	-1.433
160	160	-.328	.143	.085	-1.084
160	161	-.287	.133	.088	-.993
160	162	-.241	.130	.111	-.873
160	163	-.291	.116	.062	-.855
160	164	-.220	.110	.117	-.763
160	165	-.183	.088	.083	-.544
160	166	-.194	.099	.100	-.596
160	167	-.248	.097	.047	-.659
160	168	-.164	.086	.117	-.447
160	169	-.122	.073	.105	-.410
160	170	-.125	.084	.130	-.453
160	171	-.206	.089	.068	-.562
160	172	-.327	.179	.082	-1.374
160	173	-.301	.161	.049	-1.370
160	174	-.235	.151	.099	-1.097
160	175	-.259	.111	.039	-.900
160	176	-.181	.096	.095	-.566
160	177	-.156	.074	.093	-.423
160	178	-.173	.087	.112	-.537
160	179	-.253	.091	.049	-.609
160	180	-.165	.081	.113	-.488
160	181	-.129	.072	.116	-.332
160	182	-.123	.081	.172	-.369
160	183	-.131	.084	.152	-.418
160	184	-.131	.086	.160	-.463
160	185	-.200	.135	.147	-.981
160	186	-.183	.144	.164	-1.040
160	187	-.147	.099	.155	-.657
160	188	-.144	.085	.156	-.524
160	189	-.151	.080	.082	-.429
160	190	-.166	.093	.102	-.496
160	191	-.183	.098	.092	-.541
160	192	-.177	.097	.095	-.533
160	193	-.145	.075	.088	-.372
160	194	-.137	.084	.131	-.415
160	195	-.142	.084	.111	-.402
160	196	-.144	.087	.102	-.453
160	197	-.136	.076	.106	-.415
160	198	-.144	.084	.158	-.442
160	199	-.135	.090	.185	-.420
160	200	-.170	.085	.098	-.470
160	201	-.153	.077	.094	-.402
160	202	-.145	.087	.141	-.452
160	203	-.149	.086	.134	-.438
160	204	-.136	.087	.174	-.411
160	205	-.150	.073	.124	-.410
160	206	-.137	.083	.174	-.427
160	207	-.150	.121	.158	-1.189
160	208	-.129	.112	.148	-.785
160	209	-.190	.104	.175	-.609
160	210	-.136	.088	.232	-.454
160	211	-.144	.073	.126	-.397
160	212	-.127	.090	.194	-.438
160	213	-.139	.070	.084	-.380
160	214	-.133	.083	.122	-.434
160	215	-.158	.074	.173	-.425
160	216	-.179	.099	.174	-.565
160	217	-.146	.078	.116	-.372
160	218	-.116	.090	.219	-.394
160	219	-.131	.079	.151	-.399
160	220	-.137	.080	.131	-.403
160	221	-.153	.072	.107	-.427
160	222	-.139	.082	.159	-.439
160	223	-.146	.083	.149	-.438
160	224	-.129	.083	.176	-.417
160	225	-.094	.089	.254	-.556
160	301	-.189	.102	.103	-.726
160	302	-.171	.113	.139	-.685
160	303	-.177	.110	.152	-.768
160	304	-.163	.103	.180	-.572
160	305	-.172	.090	.122	-.528
160	306	-.157	.109	.179	-.827
160	307	-.161	.105	.191	-.610
160	308	-.166	.116	.137	-1.012
160	309	-.184	.098	.134	-.739
160	310	-.151	.103	.209	-.715
160	311	-.156	.104	.238	-.667
160	312	-.148	.103	.245	-.657
160	313	-.189	.090	.078	-.925
160	314	-.165	.100	.159	-1.055
160	315	-.164	.094	.147	-.587
160	316	-.150	.097	.191	-.713
160	317	-.160	.087	.118	-.518
160	318	-.155	.106	.198	-.664
160	319	-.160	.103	.160	-.644
160	320	-.142	.099	.175	-.604
160	321	-.150	.079	.094	-.511
160	322	-.122	.092	.173	-.521
160	323	-.158	.100	.122	-.740
160	324	-.147	.097	.113	-.630
160	325	-.164	.080	.116	-.476
160	326	-.125	.092	.192	-.530
160	327	-.134	.093	.188	-.660
160	328	-.159	.106	.185	-1.023
160	329	-.179	.096	.095	-.762
160	330	-.143	.100	.186	-.550
160	331	-.147	.101	.224	-1.261
160	332	-.138	.099	.238	-1.087
160	333	-.270	.113	.098	-1.039
160	334	-.153	.099	.172	-.671
160	335	-.207	.111	.075	-1.040
160	336	-.133	.118	.163	-1.126
160	337	-.275	.132	.050	-1.248
160	338	-.118	.090	.175	-.512
160	339	-.168	.081	.074	-.498
160	340	-.105	.095	.172	-.590
160	341	-.200	.107	.250	-.599
160	342	-.110	.090	.162	-.510
160	343	-.155	.092	.212	-.817
160	344	-.107	.121	.255	-1.230
160	345	-.275	.167	.095	-2.474
160	346	-.161	.152	.170	-2.056
160	401	-.092	.129	.677	-.407
160	402	.015	.151	.582	-.468
160	403	.143	.166	.761	-.339
160	404	.122	.156	.685	-.701
160	405	.179	.175	.758	-.298
160	406	.144	.184	.834	-.337
160	407	.198	.191	.975	-.350
160	408	.185	.182	.915	-.305
160	409	-.004	.188	.849	-1.032
160	410	-.256	.230	.765	-1.182
160	411	-.025	.106	.499	-.417
160	412	.016	.118	.520	-.383
160	413	.194	.167	.899	-.321
160	414	.245	.208	.977	-.306
160	415	.264	.198	.953	-.255
160	416	.186	.173	.761	-.388
160	417	.169	.199	.900	-.443
160	418	-.055	.180	.495	-1.192
160	419	-.099	.244	.619	-.997
160	420	-.121	.090	.283	-.428
160	421	-.016	.112	.455	-.347
160	422	.062	.152	.701	-.375
160	423	.143	.161	.722	-.321
160	424	.130	.147	.780	-.277
160	425	.183	.167	.879	-.220
160	426	.150	.188	.915	-.304
160	427	.079	.191	.804	-.537
160	428	-.189	.200	.321	-1.122
160	429	-.188	.213	.487	-1.139
160	430	-.148	.099	.252	-.547

APPENDIX A -- PRESSURE DATA: CONFIGURATION A: ONE LOGAN SQUARE

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
160	431	-.078	.100	.332	-.414
160	432	-.022	.110	.390	-.431
160	433	.059	.134	.592	-.403
160	434	.026	.145	.693	-.483
160	435	.071	.144	.719	-.365
160	436	.019	.129	.508	-.349
160	437	-.014	.145	.721	-.512
160	438	-.205	.194	.415	-1.401
160	439	-.119	.088	.181	-.590
160	440	-.158	.084	.171	-.450
160	441	-.029	.099	.389	-.329
160	442	-.061	.112	.483	-.388
160	443	-.009	.111	.622	-.306
160	444	-.066	.099	.350	-.371
160	445	-.015	.110	.510	-.369
160	446	-.119	.121	.370	-.575
160	447	-.147	.155	.309	-.990
160	448	-.165	.124	.246	-.777
160	449	-.115	.084	.176	-.437
160	450	-.162	.088	.141	-.459
160	451	-.076	.086	.218	-.386
160	452	-.105	.093	.432	-.403
160	453	-.038	.105	.580	-.342
160	454	-.084	.109	.521	-.405
160	455	-.048	.100	.448	-.374
160	456	-.125	.094	.247	-.749
160	457	-.091	.135	.366	-1.110
160	458	-.160	.094	.134	-.946
160	459	-.081	.079	.170	-.628
160	460	-.062	.083	.203	-.336
160	461	.002	.094	.303	-.296
160	462	-.028	.105	.398	-.341
160	463	.021	.102	.421	-.316
160	464	-.057	.079	.257	-.302
160	465	-.075	.092	.320	-.420
160	466	-.120	.121	.256	-.663
160	467	-.100	.109	.202	-.703
160	468	-.059	.082	.237	-.339
160	469	-.057	.090	.202	-.437
160	470	-.136	.099	.162	-.548
160	471	-.089	.102	.234	-.535
160	472	-.059	.089	.314	-.400
160	473	.030	.102	.446	-.267
160	474	.024	.119	.498	-.322
160	475	.072	.121	.553	-.280
160	476	.111	.145	.666	-.292
160	477	.131	.150	.848	-.290
160	478	-.105	.116	.295	-.444
160	479	-.119	.131	.227	-.736
160	501	-.116	.076	.186	-.396
160	502	-.108	.082	.163	-.403
160	503	-.181	.089	.146	-.552
160	504	-.138	.084	.145	-.415
160	505	-.095	.073	.145	-.381
160	506	-.146	.086	.132	-.450
160	507	-.132	.085	.157	-.423
160	508	-.107	.083	.165	-.383
160	509	-.068	.072	.232	-.347
160	510	-.089	.083	.268	-.412
160	511	-.196	.100	.198	-.693
160	512	-.123	.084	.197	-.431
160	513	-.088	.068	.161	-.294
160	514	-.165	.086	.131	-.459
160	515	-.134	.081	.147	-.407
160	516	-.098	.078	.179	-.387
160	517	-.043	.068	.236	-.294
160	518	-.062	.082	.276	-.361
160	519	-.108	.090	.239	-.393
160	520	-.116	.081	.220	-.405
160	521	-.112	.078	.146	-.357
160	522	-.125	.085	.156	-.382
160	523	-.120	.085	.180	-.380
160	524	-.091	.083	.178	-.368
160	525	-.041	.067	.176	-.323
160	526	-.059	.080	.205	-.418
160	601	-.136	.085	.128	-.529
160	602	-.094	.081	.182	-.424
160	603	-.065	.070	.149	-.327
160	604	-.117	.087	.168	-.495
160	605	-.082	.084	.191	-.389
160	606	-.092	.080	.164	-.358
160	607	-.092	.086	.192	-.579
160	608	-.102	.084	.175	-.500
160	609	-.124	.085	.155	-.546
160	610	-.071	.083	.190	-.407
160	611	-.059	.069	.172	-.293
160	612	-.128	.090	.204	-.496
160	613	-.180	.089	.102	-.533
160	614	-.155	.084	.126	-.455
160	615	-.104	.073	.177	-.342
160	616	-.153	.086	.175	-.466
160	617	-.166	.086	.137	-.475
160	618	-.189	.094	.147	-.612
160	619	-.115	.069	.107	-.381
160	620	-.183	.090	.083	-.879
160	621	-.147	.081	.125	-.453
160	622	-.159	.082	.106	-.464
160	623	-.118	.071	.118	-.396
160	624	-.155	.082	.140	-.485
160	625	-.173	.090	.139	-.576
160	626	-.108	.100	.274	-.469
160	701	-.101	.070	.176	-.381
160	702	-.112	.100	.388	-.392
160	703	-.146	.087	.183	-.554
160	704	-.142	.083	.171	-.544
160	705	-.069	.071	.234	-.357
160	706	-.182	.090	.229	-.595
160	707	-.158	.087	.139	-.501
160	708	-.163	.091	.148	-.577
160	709	-.105	.075	.160	-.348
160	710	-.099	.101	.431	-.461
160	711	-.120	.088	.208	-.521
160	712	-.131	.084	.158	-.411
160	713	-.071	.072	.163	-.348
160	714	-.107	.084	.169	-.407
160	715	-.141	.085	.156	-.412
160	716	-.150	.089	.141	-.452
160	717	-.093	.073	.150	-.335
160	718	-.063	.088	.259	-.329
160	719	-.106	.092	.251	-.580
160	720	-.134	.082	.190	-.420
160	721	-.071	.084	.216	-.444
160	722	-.117	.084	.174	-.383
160	723	-.142	.088	.183	-.437
160	724	-.113	.085	.186	-.398
160	725	-.156	.072	.116	-.414
160	726	-.137	.078	.136	-.389
160	727	-.155	.120	.377	-.533
160	728	-.086	.133	.489	-.478
160	729	-.038	.090	.297	-.362
160	801	-.255	.115	.233	-.686
160	802	-.090	.096	.286	-.506
160	803	-.127	.088	.226	-.410
160	804	-.065	.097	.300	-.352
160	805	-.187	.117	.293	-.747
160	806	-.057	.093	.283	-.357
160	807	-.061	.086	.262	-.337
160	808	-.010	.094	.323	-.327
160	809	-.177	.091	.202	-.486
160	810	-.067	.079	.271	-.285
160	811	-.118	.077	.121	-.446
160	812	-.033	.086	.344	-.393
160	813	-.190	.105	.205	-.612
160	814	-.104	.084	.242	-.447
160	815	-.130	.078	.169	-.413
160	816	-.093	.082	.175	-.385
160	817	-.216	.095	.104	-.554
160	818	-.127	.080	.125	-.400
160	819	-.160	.073	.084	-.384
160	820	-.110	.078	.164	-.377

APPENDIX A -- PRESSURE DATA: CONFIGURATION A: ONE LOGAN SQUARE

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
160	821	-.233	.089	.070	-.525
160	822	-.138	.081	.146	-.402
160	823	-.162	.072	.074	-.396
160	901	-.120	.087	.267	-.429
160	902	-.259	.095	.057	-.575
160	903	-.112	.079	.132	-.344
160	904	-.176	.079	.040	-.457
160	905	-.112	.088	.143	-.437
160	906	-.239	.095	.044	-.606
160	907	-.137	.089	.134	-.529
160	908	-.180	.083	.110	-.557
160	909	-.140	.095	.164	-.591
160	910	-.251	.094	.082	-.645
160	911	-.126	.085	.155	-.499
160	912	-.177	.080	.112	-.456
160	913	-.100	.090	.261	-.367
160	914	-.309	.114	.076	-.800
160	915	-.135	.090	.209	-.455
160	916	-.227	.095	.169	-.644
160	917	-.092	.079	.159	-.373
160	918	-.254	.090	.022	-.573
160	919	-.148	.081	.097	-.437
160	920	-.182	.085	.097	-.664
160	921	-.100	.082	.193	-.394
160	922	-.244	.094	.096	-.583
160	923	-.128	.084	.181	-.410
160	924	-.186	.077	.090	-.473
160	925	-.107	.092	.291	-.683
160	1001	-.170	.089	.076	-.474
160	1002	-.123	.091	.151	-.440
160	1003	-.297	.142	.107	-.967
160	1004	-.142	.087	.137	-.467
160	1005	-.184	.073	.041	-.422
170	1	-.381	.188	.184	-1.356
170	2	-.360	.204	.089	-1.486
170	3	-.338	.143	.070	-1.039
170	4	-.227	.162	.233	-.982
170	5	-.387	.166	.111	-1.228
170	6	-.288	.182	.271	-1.361
170	7	-.195	.119	.212	-.745
170	8	-.217	.136	.236	-.901
170	9	-.294	.142	.203	-.913
170	10	-.337	.188	.254	-1.222
170	11	-.246	.107	.115	-.766
170	12	-.186	.132	.253	-.895
170	13	-.248	.129	.160	-.840
170	14	-.175	.120	.282	-.726
170	15	-.222	.113	.130	-1.106
170	101	-.200	.101	.104	-.753
170	102	-.224	.122	.128	-.930
170	103	-.326	.141	.065	-1.003
170	104	-.248	.140	.156	-.955
170	105	-.234	.135	.145	-.817
170	106	-.224	.141	.166	-.859
170	107	-.311	.144	.115	-.924
170	108	-.206	.133	.144	-.744
170	109	-.163	.115	.141	-.752
170	110	-.163	.124	.228	-.943
170	111	-.187	.107	.095	-.798
170	112	-.276	.144	.153	-1.144
170	113	-.229	.129	.168	-.832
170	114	-.192	.100	.095	-.663
170	115	-.219	.136	.133	-.872
170	116	-.298	.131	.060	-.870
170	117	-.187	.115	.204	-.712
170	118	-.144	.096	.130	-.650
170	119	-.159	.124	.156	-.929
170	120	-.272	.114	.108	-.669
170	121	-.212	.109	.140	-.581
170	122	-.239	.103	.122	-.736
170	123	-.311	.133	.101	-.961
170	124	-.231	.126	.158	-1.180
170	125	-.199	.107	.113	-.661
170	126	-.187	.110	.139	-.685
170	127	-.279	.115	.079	-.828
170	128	-.171	.103	.143	-.722
170	129	-.138	.090	.145	-.588
170	130	-.136	.104	.217	-.630
170	131	-.240	.116	.098	-.806
170	132	-.162	.110	.153	-.688
170	133	-.175	.098	.170	-.633
170	134	-.188	.111	.180	-.662
170	135	-.308	.119	.005	-.898
170	136	-.209	.109	.119	-.777
170	137	-.186	.092	.087	-.600
170	138	-.198	.107	.120	-.696
170	139	-.286	.107	.037	-.729
170	140	-.185	.096	.101	-.585
170	141	-.139	.073	.109	-.355
170	142	-.131	.084	.142	-.417
170	143	-.218	.093	.066	-.546
170	144	-.141	.092	.174	-.645
170	145	-.126	.081	.203	-.445
170	146	-.228	.110	.168	-.649
170	147	-.339	.118	.096	-.807
170	148	-.246	.110	.195	-.655
170	149	-.208	.094	.074	-.576
170	150	-.194	.102	.116	-.582
170	151	-.301	.110	.029	-.720
170	152	-.194	.100	.155	-.583
170	153	-.166	.083	.108	-.463
170	154	-.151	.088	.162	-.491
170	155	-.236	.091	.079	-.545
170	156	-.130	.084	.140	-.451
170	157	-.112	.074	.139	-.364
170	158	-.128	.089	.176	-.486
170	159	-.375	.136	.027	-1.149
170	160	-.272	.129	.173	-.997
170	161	-.241	.119	.134	-.913
170	162	-.203	.114	.201	-.921
170	163	-.290	.109	.086	-.890
170	164	-.191	.101	.156	-.767
170	165	-.155	.082	.192	-.514
170	166	-.159	.092	.222	-.571
170	167	-.253	.094	.133	-.585
170	168	-.143	.086	.222	-.455
170	169	-.110	.071	.108	-.326
170	170	-.117	.084	.155	-.401
170	171	-.234	.092	.072	-.540
170	172	-.277	.172	.101	-1.871
170	173	-.227	.144	.106	-1.306
170	174	-.166	.114	.188	-.779
170	175	-.252	.104	.107	-.649
170	176	-.150	.094	.175	-.522
170	177	-.143	.077	.133	-.460
170	178	-.148	.089	.170	-.496
170	179	-.260	.096	.098	-.637
170	180	-.149	.083	.145	-.489
170	181	-.163	.075	.125	-.438
170	182	-.116	.081	.185	-.424
170	183	-.135	.084	.172	-.432
170	184	-.132	.086	.170	-.484
170	185	-.193	.103	.147	-.707
170	186	-.134	.103	.196	-.772
170	187	-.125	.079	.153	-.415
170	188	-.123	.077	.147	-.387
170	189	-.169	.074	.175	-.414
170	190	-.129	.083	.249	-.400
170	191	-.141	.085	.241	-.404
170	192	-.134	.083	.238	-.394
170	193	-.168	.073	.076	-.452
170	194	-.118	.080	.139	-.398
170	195	-.125	.080	.128	-.383
170	196	-.125	.083	.125	-.460
170	197	-.175	.082	.076	-.499
170	198	-.136	.086	.142	-.420
170	199	-.121	.083	.281	-.449
170	200	-.149	.090	.143	-.464
170	201	-.181	.082	.110	-.560
170	202	-.129	.089	.195	-.556

APPENDIX A -- PRESSURE DATA: CONFIGURATION A: ONE LOGAN SQUARE

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
170	203	-.135	.089	.194	-.552
170	204	-.124	.088	.178	-.507
170	205	-.179	.073	.032	-.438
170	206	-.124	.080	.141	-.420
170	207	-.130	.106	.174	-1.004
170	208	-.113	.098	.188	-.590
170	209	-.174	.095	.173	-.568
170	210	-.116	.092	.226	-.487
170	211	-.127	.078	.151	-.422
170	212	-.122	.082	.274	-.447
170	213	-.167	.076	.091	-.486
170	214	-.120	.085	.180	-.484
170	215	-.145	.066	.077	-.404
170	216	-.126	.104	.217	-.524
170	217	-.159	.083	.170	-.456
170	218	-.094	.091	.428	-.422
170	219	-.126	.087	.208	-.459
170	220	-.119	.085	.211	-.430
170	221	-.171	.076	.128	-.418
170	222	-.117	.083	.212	-.386
170	223	-.127	.084	.201	-.399
170	224	-.114	.082	.206	-.375
170	225	-.094	.078	.190	-.367
170	301	-.233	.120	.087	-.783
170	302	-.173	.129	.188	-.807
170	303	-.187	.129	.191	-.992
170	304	-.172	.121	.174	-.750
170	305	-.245	.111	.086	-.751
170	306	-.186	.130	.213	-.795
170	307	-.198	.126	.190	-.737
170	308	-.188	.137	.207	-.910
170	309	-.222	.106	.075	-.817
170	310	-.165	.118	.232	-.885
170	311	-.179	.122	.254	-.804
170	312	-.169	.119	.274	-.763
170	313	-.230	.109	.083	-.953
170	314	-.167	.115	.195	-.864
170	315	-.173	.112	.208	-.778
170	316	-.163	.121	.246	-1.140
170	317	-.211	.102	.129	-.877
170	318	-.156	.106	.166	-.658
170	319	-.164	.105	.155	-.653
170	320	-.150	.103	.171	-.854
170	321	-.208	.107	.141	-.975
170	322	-.144	.115	.239	-.935
170	323	-.161	.107	.228	-.673
170	324	-.148	.103	.237	-.654
170	325	-.210	.099	.079	-.862
170	326	-.141	.112	.182	-1.529
170	327	-.152	.114	.202	-1.600
170	328	-.152	.105	.141	-.936
170	329	-.211	.093	.085	-.628
170	330	-.142	.098	.172	-.722
170	331	-.154	.102	.176	-.752
170	332	-.144	.102	.197	-.810
170	333	-.261	.099	.074	-1.092
170	334	-.139	.088	.152	-.657
170	335	-.202	.095	.066	-.817
170	336	-.124	.100	.174	-.724
170	337	-.272	.114	.072	-.960
170	338	-.112	.086	.187	-.612
170	339	-.155	.077	.063	-.591
170	340	-.088	.093	.206	-.605
170	341	-.191	.102	.326	-.660
170	342	-.095	.087	.197	-.485
170	343	-.147	.088	.147	-.478
170	344	-.091	.119	.349	-1.056
170	345	-.274	.163	.130	-1.764
170	346	-.156	.149	.214	-1.405
170	401	.007	.152	.557	-.509
170	402	.017	.181	.666	-.514
170	403	.121	.185	.872	-.418
170	404	.111	.165	.677	-.537
170	405	.182	.180	.831	-.378
170	406	.159	.189	.858	-.449
170	407	.212	.196	1.028	-.387
170	408	.155	.193	.807	-.488
170	409	-.039	.199	.632	-1.039
170	410	-.233	.205	.510	-1.175
170	411	-.019	.133	.565	-.469
170	412	-.021	.135	.597	-.407
170	413	.137	.173	.771	-.427
170	414	.188	.207	1.094	-.390
170	415	.217	.199	.924	-.339
170	416	.201	.182	.795	-.300
170	417	.179	.212	.917	-.712
170	418	-.068	.203	.775	-1.146
170	419	-.127	.279	.836	-1.499
170	420	-.145	.108	.271	-.604
170	421	-.030	.125	.448	-.461
170	422	.015	.152	.672	-.451
170	423	.096	.154	.762	-.309
170	424	.094	.149	.575	-.296
170	425	.179	.172	.749	-.306
170	426	.150	.194	.804	-.408
170	427	.042	.183	.886	-.465
170	428	-.226	.202	.410	-1.020
170	429	-.201	.206	.492	-1.180
170	430	-.166	.104	.170	-.576
170	431	-.095	.100	.258	-.499
170	432	-.078	.109	.484	-.361
170	433	.016	.131	.760	-.358
170	434	-.019	.147	.797	-.467
170	435	.036	.149	.943	-.373
170	436	-.024	.131	.462	-.414
170	437	-.051	.152	.704	-.529
170	438	-.238	.217	.380	-1.249
170	439	-.128	.092	.184	-.553
170	440	-.196	.090	.095	-.518
170	441	-.072	.098	.267	-.396
170	442	-.117	.107	.406	-.507
170	443	-.060	.104	.437	-.392
170	444	-.121	.095	.323	-.473
170	445	-.055	.105	.432	-.475
170	446	-.157	.125	.417	-.608
170	447	-.172	.161	.330	-1.231
170	448	-.186	.134	.239	-.925
170	449	-.127	.097	.196	-.467
170	450	-.179	.100	.152	-.523
170	451	-.096	.093	.293	-.409
170	452	-.147	.082	.130	-.385
170	453	-.066	.092	.275	-.355
170	454	-.119	.098	.289	-.446
170	455	-.076	.096	.424	-.522
170	456	-.174	.099	.190	-.540
170	457	-.117	.141	.375	-.760
170	458	-.170	.099	.150	-.714
170	459	-.089	.088	.216	-.435
170	460	-.085	.085	.258	-.353
170	461	-.005	.096	.392	-.308
170	462	-.036	.109	.514	-.372
170	463	.015	.110	.521	-.343
170	464	-.084	.091	.207	-.527
170	465	-.087	.110	.253	-.583
170	466	-.130	.130	.284	-.844
170	467	-.097	.119	.251	-.745
170	468	-.079	.089	.239	-.400
170	469	-.060	.094	.248	-.425
170	470	-.143	.105	.180	-.585
170	471	-.086	.111	.269	-.710
170	472	-.089	.095	.334	-.646
170	473	.010	.102	.542	-.339
170	474	-.008	.113	.533	-.348
170	475	.042	.115	.628	-.294
170	476	.052	.134	.512	-.321
170	477	.071	.139	.791	-.282
170	478	-.155	.103	.314	-.490
170	479	-.114	.122	.267	-.768
170	501	-.108	.079	.142	-.407
170	502	-.112	.086	.200	-.431

APPENDIX A -- PRESSURE DATA: CONFIGURATION A: ONE LOGAN SQUARE

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
170	503	-.170	.096	.218	-.570
170	504	-.135	.090	.183	-.529
170	505	-.086	.075	.251	-.326
170	506	-.125	.086	.242	-.405
170	507	-.126	.086	.234	-.406
170	508	-.109	.084	.247	-.404
170	509	-.074	.070	.178	-.318
170	510	-.100	.082	.187	-.376
170	511	-.179	.097	.159	-.486
170	512	-.128	.088	.172	-.446
170	513	-.092	.071	.165	-.329
170	514	-.139	.087	.174	-.445
170	515	-.125	.083	.176	-.422
170	516	-.103	.082	.195	-.396
170	517	-.055	.072	.185	-.369
170	518	-.086	.085	.199	-.418
170	519	-.121	.093	.200	-.600
170	520	-.111	.087	.190	-.462
170	521	-.088	.076	.167	-.364
170	522	-.108	.086	.180	-.439
170	523	-.113	.087	.142	-.439
170	524	-.091	.086	.161	-.418
170	525	-.048	.072	.211	-.279
170	526	-.076	.086	.232	-.349
170	601	-.136	.090	.157	-.451
170	602	-.098	.086	.190	-.398
170	603	-.084	.075	.165	-.387
170	604	-.126	.091	.189	-.573
170	605	-.099	.085	.168	-.409
170	606	-.102	.085	.148	-.434
170	607	-.090	.076	.143	-.465
170	608	-.104	.083	.169	-.393
170	609	-.124	.083	.146	-.542
170	610	-.090	.082	.172	-.387
170	611	-.064	.075	.209	-.297
170	612	-.119	.095	.213	-.557
170	613	-.157	.092	.230	-.439
170	614	-.134	.089	.229	-.496
170	615	-.101	.072	.112	-.391
170	616	-.139	.084	.098	-.469
170	617	-.156	.085	.126	-.498
170	618	-.169	.089	.110	-.523
170	619	-.105	.067	.126	-.333
170	620	-.154	.087	.145	-.403
170	621	-.133	.080	.153	-.373
170	622	-.133	.080	.149	-.373
170	623	-.108	.071	.138	-.356
170	624	-.140	.083	.158	-.421
170	625	-.161	.088	.111	-.545
170	626	-.123	.095	.264	-.461

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
170	701	-.100	.075	.164	-.408
170	702	-.111	.095	.299	-.468
170	703	-.139	.089	.197	-.476
170	704	-.130	.085	.187	-.456
170	705	-.079	.070	.184	-.379
170	706	-.170	.084	.108	-.475
170	707	-.148	.081	.130	-.470
170	708	-.152	.083	.164	-.448
170	709	-.115	.076	.162	-.457
170	710	-.111	.102	.364	-.486
170	711	-.129	.088	.183	-.455
170	712	-.134	.086	.177	-.438
170	713	-.078	.069	.171	-.331
170	714	-.105	.081	.202	-.400
170	715	-.138	.081	.159	-.456
170	716	-.143	.085	.184	-.418
170	717	-.095	.072	.254	-.378
170	718	-.081	.094	.362	-.420
170	719	-.114	.090	.261	-.466
170	720	-.123	.083	.268	-.461
170	721	-.090	.075	.175	-.402
170	722	-.105	.079	.152	-.421
170	723	-.130	.083	.139	-.466
170	724	-.103	.081	.168	-.377
170	725	-.141	.074	.097	-.377
170	726	-.104	.078	.147	-.345
170	727	-.198	.100	.199	-.500
170	728	-.108	.128	.508	-.560
170	729	-.047	.095	.326	-.388
170	801	-.242	.106	.156	-.598
170	802	-.092	.098	.282	-.514
170	803	-.129	.084	.155	-.458
170	804	-.071	.093	.262	-.403
170	805	-.175	.111	.247	-.540
170	806	-.055	.094	.247	-.339
170	807	-.096	.086	.281	-.341
170	808	-.046	.095	.303	-.424
170	809	-.173	.101	.312	-.489
170	810	-.067	.086	.262	-.330
170	811	-.136	.075	.167	-.421
170	812	-.063	.079	.274	-.325
170	813	-.230	.098	.179	-.560
170	814	-.112	.083	.189	-.384
170	815	-.149	.079	.121	-.427
170	816	-.089	.084	.228	-.368
170	817	-.221	.095	.128	-.528
170	818	-.117	.084	.205	-.395
170	819	-.147	.071	.156	-.449
170	820	-.089	.077	.226	-.391
170	821	-.220	.088	.139	-.575

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
170	822	-.116	.080	.208	-.426
170	823	-.149	.076	.156	-.416
170	901	-.119	.079	.140	-.423
170	902	-.242	.099	.120	-.571
170	903	-.112	.084	.171	-.409
170	904	-.169	.078	.050	-.467
170	905	-.102	.087	.154	-.415
170	906	-.241	.096	.061	-.655
170	907	-.122	.086	.122	-.449
170	908	-.178	.087	.131	-.482
170	909	-.130	.101	.237	-.543
170	910	-.253	.099	.109	-.649
170	911	-.128	.090	.175	-.737
170	912	-.174	.077	.060	-.481
170	913	-.089	.088	.330	-.400
170	914	-.297	.112	.141	-.683
170	915	-.130	.088	.316	-.544
170	916	-.220	.089	.062	-.648
170	917	-.088	.081	.203	-.476
170	918	-.246	.092	.089	-.679
170	919	-.135	.083	.179	-.531
170	920	-.171	.080	.085	-.910
170	921	-.088	.076	.187	-.404
170	922	-.237	.090	.074	-.622
170	923	-.118	.079	.166	-.441
170	924	-.177	.076	.070	-.420
170	925	-.093	.087	.191	-.373
170	1001	-.162	.087	.114	-.496
170	1002	-.103	.091	.186	-.449
170	1003	-.275	.130	.091	-.857
170	1004	-.122	.088	.150	-.425
170	1005	-.179	.074	.061	-.434
180	1	-.376	.197	.226	-1.381
180	2	-.329	.194	.176	-1.445
180	3	-.315	.151	.116	-1.075
180	4	-.194	.154	.300	-.933
180	5	-.387	.187	.086	-1.269
180	6	-.276	.191	.224	-1.258
180	7	-.207	.129	.256	-.807
180	8	-.229	.145	.181	-.857
180	9	-.286	.155	.322	-.881
180	10	-.352	.215	.268	-1.199
180	11	-.233	.107	.103	-.744
180	12	-.178	.141	.238	-.933
180	13	-.245	.132	.260	-.822
180	14	-.172	.117	.142	-.782
180	15	-.214	.106	.114	-1.114
180	101	-.168	.102	.202	-.645
180	102	-.176	.121	.277	-.723
180	103	-.288	.136	.192	-1.198

APPENDIX A -- PRESSURE DATA: CONFIGURATION A: ONE LOGAN SQUARE

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
180	104	-.187	.126	.203	-.694
180	105	-.179	.123	.151	-1.202
180	106	-.165	.126	.174	-1.278
180	107	-.275	.131	.083	-1.256
180	108	-.159	.113	.207	-.650
180	109	-.141	.092	.122	-.646
180	110	-.135	.103	.186	-.718
180	111	-.197	.099	.162	-.651
180	112	-.278	.127	.079	-1.295
180	113	-.187	.115	.189	-.712
180	114	-.159	.097	.133	-.613
180	115	-.169	.122	.177	-.764
180	116	-.278	.125	.077	-.808
180	117	-.155	.110	.170	-.623
180	118	-.129	.091	.196	-.555
180	119	-.156	.115	.248	-.736
180	120	-.243	.112	.220	-.640
180	121	-.180	.105	.258	-.570
180	122	-.217	.106	.086	-.839
180	123	-.272	.119	.098	-.828
180	124	-.167	.115	.158	-.807
180	125	-.178	.103	.119	-.698
180	126	-.159	.106	.154	-.595
180	127	-.275	.115	.073	-.760
180	128	-.151	.100	.231	-.551
180	129	-.117	.085	.156	-.477
180	130	-.116	.096	.212	-.481
180	131	-.247	.111	.143	-.733
180	132	-.151	.106	.233	-.649
180	133	-.155	.098	.168	-.594
180	134	-.154	.108	.209	-.649
180	135	-.287	.114	.060	-.764
180	136	-.170	.101	.157	-.652
180	137	-.158	.094	.170	-.562
180	138	-.158	.107	.205	-.605
180	139	-.272	.110	.115	-.662
180	140	-.155	.096	.193	-.504
180	141	-.109	.076	.174	-.356
180	142	-.101	.085	.203	-.360
180	143	-.224	.092	.107	-.517
180	144	-.129	.090	.206	-.461
180	145	-.132	.089	.154	-.558
180	146	-.199	.137	.177	-.879
180	147	-.334	.150	.100	-1.006
180	148	-.216	.135	.149	-.784
180	149	-.159	.091	.121	-.489
180	150	-.143	.096	.155	-.483
180	151	-.274	.106	.037	-.646
180	152	-.151	.093	.134	-.490
180	153	-.130	.082	.133	-.498
180	154	-.111	.087	.159	-.504
180	155	-.234	.094	.056	-.664
180	156	-.123	.086	.137	-.495
180	157	-.112	.073	.143	-.421
180	158	-.119	.086	.178	-.493
180	159	-.324	.153	.107	-1.372
180	160	-.204	.143	.192	-1.400
180	161	-.171	.104	.101	-.620
180	162	-.132	.092	.141	-.597
180	163	-.255	.095	.037	-.631
180	164	-.142	.087	.120	-.477
180	165	-.127	.080	.150	-.489
180	166	-.122	.089	.186	-.508
180	167	-.238	.093	.068	-.594
180	168	-.119	.084	.149	-.454
180	169	-.098	.071	.130	-.323
180	170	-.109	.083	.148	-.386
180	171	-.251	.093	.031	-.586
180	172	-.179	.133	.141	-.985
180	173	-.186	.131	.240	-1.206
180	174	-.143	.117	.294	-.879
180	175	-.250	.107	.215	-.819
180	176	-.131	.093	.279	-.504
180	177	-.121	.077	.127	-.403
180	178	-.121	.085	.136	-.450
180	179	-.255	.093	.032	-.623
180	180	-.126	.081	.125	-.406
180	181	-.185	.073	.058	-.432
180	182	-.117	.079	.135	-.379
180	183	-.140	.082	.128	-.408
180	184	-.136	.084	.125	-.421
180	185	-.212	.093	.084	-.562
180	186	-.133	.094	.158	-.640
180	187	-.131	.087	.167	-.440
180	188	-.118	.084	.133	-.382
180	189	-.195	.079	.051	-.478
180	190	-.123	.084	.132	-.401
180	191	-.136	.085	.116	-.417
180	192	-.126	.083	.123	-.393
180	193	-.187	.078	.082	-.465
180	194	-.112	.083	.183	-.418
180	195	-.127	.084	.177	-.431
180	196	-.119	.084	.188	-.436
180	197	-.202	.081	.076	-.520
180	198	-.118	.085	.184	-.471
180	199	-.108	.084	.145	-.373
180	200	-.129	.088	.194	-.525
180	201	-.201	.075	.049	-.482
180	202	-.122	.081	.147	-.407
180	203	-.129	.081	.136	-.415
180	204	-.119	.080	.147	-.402
180	205	-.199	.077	.079	-.490
180	206	-.117	.083	.172	-.431
180	207	-.131	.096	.146	-.559
180	208	-.118	.094	.157	-.491
180	209	-.188	.092	.079	-.537
180	210	-.111	.087	.161	-.374
180	211	-.122	.076	.124	-.338
180	212	-.118	.085	.155	-.393
180	213	-.189	.077	.066	-.449
180	214	-.108	.082	.161	-.386
180	215	-.146	.071	.140	-.390
180	216	-.117	.087	.173	-.439
180	217	-.198	.079	.110	-.453
180	218	-.112	.083	.210	-.402
180	219	-.126	.082	.171	-.456
180	220	-.121	.081	.169	-.393
180	221	-.194	.076	.077	-.437
180	222	-.112	.081	.181	-.373
180	223	-.122	.082	.183	-.388
180	224	-.110	.081	.185	-.370
180	225	-.094	.083	.219	-.439
180	301	-.285	.133	.102	-.998
180	302	-.198	.141	.213	-.904
180	303	-.231	.145	.184	-1.093
180	304	-.222	.139	.208	-.897
180	305	-.322	.129	.138	-1.225
180	306	-.190	.129	.275	-.841
180	307	-.218	.130	.254	-.772
180	308	-.176	.129	.232	-1.045
180	309	-.264	.117	.076	-.818
180	310	-.189	.127	.194	-.817
180	311	-.218	.136	.167	-1.241
180	312	-.205	.132	.164	-1.104
180	313	-.266	.113	.073	-.867
180	314	-.176	.117	.200	-.663
180	315	-.186	.113	.145	-.736
180	316	-.179	.124	.197	-.888
180	317	-.267	.114	.073	-.958
180	318	-.165	.109	.141	-1.106
180	319	-.175	.107	.141	-.834
180	320	-.161	.104	.178	-.889
180	321	-.260	.100	.176	-.723
180	322	-.169	.106	.317	-.668
180	323	-.178	.099	.110	-.612
180	324	-.166	.095	.115	-.545
180	325	-.240	.085	.038	-.636
180	326	-.154	.097	.135	-.615
180	327	-.166	.099	.137	-.614
180	328	-.153	.093	.139	-.550

APPENDIX A -- PRESSURE DATA: CONFIGURATION A; ONE LOGAN SQUARE

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
180	329	-.237	.091	.038	-.602
180	330	-.142	.094	.118	-.677
180	331	-.157	.101	.120	-.869
180	332	-.145	.101	.137	-.872
180	333	-.275	.103	.043	-.735
180	334	-.147	.091	.138	-.616
180	335	-.207	.094	.032	-.792
180	336	-.130	.102	.113	-.934
180	337	-.287	.116	.014	-1.163
180	338	-.113	.081	.133	-.446
180	339	-.165	.082	.092	-.498
180	340	-.098	.096	.214	-.619
180	341	-.212	.108	.297	-.607
180	342	-.105	.092	.196	-.531
180	343	-.167	.085	.161	-.587
180	344	-.113	.116	.253	-1.285
180	345	-.297	.151	.134	-1.426
180	346	-.169	.134	.222	-1.165
180	401	.008	.161	.580	-.445
180	402	.006	.186	.746	-.632
180	403	.099	.188	1.025	-.463
180	404	.069	.180	.725	-.482
180	405	.157	.191	.938	-.300
180	406	.152	.208	1.016	-.476
180	407	.201	.203	.989	-.373
180	408	.095	.179	.748	-.459
180	409	-.099	.181	.531	-.823
180	410	-.262	.184	.386	-.893
180	411	-.024	.144	.628	-.458
180	412	-.017	.157	.699	-.439
180	413	.141	.191	.974	-.404
180	414	.223	.230	.963	-.384
180	415	.250	.222	.957	-.337
180	416	.154	.197	.964	-.362
180	417	.115	.196	.714	-.541
180	418	-.131	.183	.487	-1.022
180	419	-.201	.236	.557	-1.307
180	420	-.146	.114	.394	-.532
180	421	-.030	.134	.636	-.449
180	422	-.007	.151	.577	-.411
180	423	.065	.146	.679	-.320
180	424	.048	.141	.692	-.363
180	425	.137	.168	.856	-.283
180	426	.109	.204	.901	-.367
180	427	.008	.172	.698	-.596
180	428	-.255	.190	.348	-1.058
180	429	-.204	.183	.447	-1.039
180	430	-.171	.108	.291	-.768
180	431	-.101	.103	.320	-.670
180	432	-.108	.091	.246	-.405

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
180	433	-.019	.103	.404	-.416
180	434	-.062	.114	.562	-.428
180	435	-.005	.118	.570	-.380
180	436	-.046	.131	.513	-.428
180	437	-.079	.135	.487	-.630
180	438	-.265	.192	.344	-1.474
180	439	-.140	.092	.163	-.567
180	440	-.206	.088	.140	-.523
180	441	-.087	.095	.292	-.425
180	442	-.134	.104	.295	-.511
180	443	-.071	.102	.376	-.425
180	444	-.129	.093	.250	-.428
180	445	-.064	.106	.317	-.435
180	446	-.175	.122	.339	-.769
180	447	-.175	.172	.260	-1.332
180	448	-.207	.127	.116	-1.006
180	449	-.122	.090	.192	-.512
180	450	-.179	.092	.143	-.539
180	451	-.101	.086	.211	-.411
180	452	-.158	.083	.184	-.460
180	453	-.073	.091	.308	-.373
180	454	-.130	.097	.266	-.472
180	455	-.091	.094	.290	-.402
180	456	-.184	.095	.218	-.691
180	457	-.115	.123	.279	-1.010
180	458	-.171	.096	.142	-.734
180	459	-.095	.084	.218	-.404
180	460	-.101	.080	.164	-.333
180	461	-.020	.090	.275	-.288
180	462	-.054	.102	.269	-.473
180	463	.001	.099	.357	-.344
180	464	-.100	.082	.245	-.435
180	465	-.095	.092	.221	-.502
180	466	-.167	.107	.196	-.892
180	467	-.115	.096	.236	-.486
180	468	-.097	.080	.195	-.366
180	469	-.076	.084	.170	-.373
180	470	-.157	.093	.101	-.533
180	471	-.112	.094	.168	-.580
180	472	-.103	.093	.279	-.461
180	473	-.006	.102	.382	-.327
180	474	-.026	.117	.371	-.366
180	475	.033	.118	.445	-.309
180	476	.028	.116	.591	-.283
180	477	.074	.138	.848	-.281
180	478	-.168	.110	.488	-.507
180	479	-.133	.107	.280	-.591
180	501	-.084	.075	.140	-.333
180	502	-.120	.083	.136	-.388
180	503	-.115	.085	.157	-.390

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
180	504	-.103	.083	.170	-.386
180	505	-.081	.070	.168	-.393
180	506	-.109	.080	.175	-.453
180	507	-.126	.080	.149	-.456
180	508	-.116	.078	.119	-.426
180	509	-.085	.066	.142	-.314
180	510	-.107	.076	.186	-.396
180	511	-.107	.078	.170	-.375
180	512	-.092	.077	.184	-.359
180	513	-.067	.070	.188	-.366
180	514	-.091	.084	.218	-.438
180	515	-.106	.082	.204	-.457
180	516	-.099	.081	.218	-.457
180	517	-.073	.068	.167	-.322
180	518	-.098	.078	.192	-.372
180	519	-.113	.082	.147	-.399
180	520	-.090	.080	.180	-.391
180	521	-.069	.071	.166	-.287
180	522	-.092	.081	.182	-.340
180	523	-.108	.084	.177	-.366
180	524	-.097	.083	.187	-.363
180	525	-.072	.065	.137	-.296
180	526	-.096	.077	.150	-.373
180	601	-.137	.077	.109	-.428
180	602	-.113	.075	.113	-.380
180	603	-.100	.073	.178	-.374
180	604	-.131	.085	.163	-.438
180	605	-.115	.084	.175	-.416
180	606	-.116	.083	.180	-.406
180	607	-.115	.080	.137	-.422
180	608	-.121	.090	.186	-.489
180	609	-.124	.088	.140	-.476
180	610	-.104	.087	.185	-.473
180	611	-.087	.068	.145	-.308
180	612	-.125	.085	.167	-.467
180	613	-.140	.082	.157	-.403
180	614	-.123	.080	.149	-.394
180	615	-.091	.067	.139	-.373
180	616	-.122	.079	.149	-.473
180	617	-.142	.080	.143	-.462
180	618	-.141	.086	.128	-.542
180	619	-.105	.074	.133	-.392
180	620	-.131	.093	.164	-.580
180	621	-.132	.085	.141	-.425
180	622	-.123	.086	.153	-.423
180	623	-.089	.069	.137	-.376
180	624	-.117	.080	.144	-.467
180	625	-.133	.085	.125	-.526
180	626	-.094	.088	.169	-.503
180	701	-.103	.066	.102	-.356

APPENDIX A -- PRESSURE DATA: CONFIGURATION A: ONE LOGAN SQUARE

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
180	702	-.115	.085	.213	-.414
180	703	-.138	.078	.132	-.435
180	704	-.127	.078	.138	-.438
180	705	-.091	.069	.138	-.333
180	706	-.190	.087	.175	-.478
180	707	-.138	.084	.137	-.443
180	708	-.133	.085	.117	-.490
180	709	-.098	.069	.114	-.394
180	710	-.110	.082	.250	-.428
180	711	-.127	.083	.227	-.426
180	712	-.121	.081	.185	-.445
180	713	-.091	.071	.159	-.332
180	714	-.114	.083	.167	-.415
180	715	-.139	.084	.149	-.433
180	716	-.129	.088	.193	-.532
180	717	-.086	.069	.136	-.335
180	718	-.090	.083	.180	-.383
180	719	-.118	.083	.173	-.449
180	720	-.115	.079	.135	-.423
180	721	-.082	.074	.260	-.396
180	722	-.107	.078	.142	-.402
180	723	-.128	.082	.134	-.445
180	724	-.108	.079	.151	-.412
180	725	-.154	.073	.084	-.408
180	726	-.091	.079	.171	-.340
180	727	-.208	.093	.196	-.507
180	728	-.046	.114	.581	-.399
180	729	-.042	.094	.382	-.358
180	801	-.238	.094	.068	-.580
180	802	-.116	.084	.221	-.497
180	803	-.165	.078	.096	-.507
180	804	-.087	.083	.197	-.503
180	805	-.241	.097	.098	-.733
180	806	-.111	.083	.178	-.457
180	807	-.151	.077	.091	-.394
180	808	-.076	.085	.195	-.348
180	809	-.232	.098	.084	-.568
180	810	-.108	.086	.177	-.395
180	811	-.164	.080	.080	-.434
180	812	-.080	.085	.186	-.354
180	813	-.225	.096	.081	-.555
180	814	-.122	.087	.158	-.412
180	815	-.163	.078	.140	-.458
180	816	-.088	.080	.223	-.403
180	817	-.236	.091	.065	-.583
180	818	-.119	.081	.149	-.409
180	819	-.162	.076	.080	-.468
180	820	-.098	.081	.173	-.420
180	821	-.236	.093	.075	-.607
180	822	-.115	.083	.160	-.447

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
180	823	-.162	.075	.079	-.460
180	901	-.130	.083	.192	-.417
180	902	-.247	.096	.029	-.567
180	903	-.125	.083	.125	-.438
180	904	-.181	.077	.070	-.478
180	905	-.101	.085	.174	-.413
180	906	-.262	.092	.044	-.598
180	907	-.136	.082	.139	-.452
180	908	-.169	.077	.054	-.525
180	909	-.096	.083	.147	-.445
180	910	-.263	.087	.002	-.607
180	911	-.131	.077	.110	-.424
180	912	-.184	.078	.060	-.495
180	913	-.089	.089	.316	-.489
180	914	-.256	.111	.276	-.753
180	915	-.126	.091	.177	-.499
180	916	-.182	.085	.178	-.560
180	917	-.088	.079	.191	-.331
180	918	-.248	.089	.066	-.518
180	919	-.126	.079	.153	-.383
180	920	-.173	.081	.135	-.463
180	921	-.094	.085	.227	-.377
180	922	-.244	.096	.118	-.568
180	923	-.123	.087	.209	-.417
180	924	-.168	.072	.137	-.477
180	925	-.110	.079	.221	-.382
180	1001	-.176	.080	.107	-.461
180	1002	-.099	.083	.208	-.421
180	1003	-.289	.109	.104	-.717
180	1004	-.121	.082	.191	-.441
180	1005	-.173	.074	.095	-.476
190	1	-.368	.189	.241	-1.360
190	2	-.322	.181	.190	-1.201
190	3	-.337	.155	.102	-1.125
190	4	-.205	.161	.238	-.909
190	5	-.412	.184	.231	-1.674
190	6	-.294	.186	.204	-1.111
190	7	-.228	.127	.246	-1.211
190	8	-.251	.147	.162	-1.333
190	9	-.268	.141	.275	-.829
190	10	-.306	.178	.196	-1.271
190	11	-.225	.100	.124	-.600
190	12	-.170	.127	.208	-.800
190	13	-.244	.123	.215	-.804
190	14	-.174	.115	.259	-.662
190	15	-.249	.112	.063	-.938
190	101	-.187	.098	.152	-.582
190	102	-.189	.115	.194	-.656
190	103	-.339	.133	.032	-.921
190	104	-.212	.127	.117	-.925

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
190	105	-.208	.115	.095	-.930
190	106	-.187	.119	.138	-.887
190	107	-.335	.129	.016	-.997
190	108	-.188	.111	.141	-.690
190	109	-.169	.099	.134	-.659
190	110	-.160	.108	.180	-.624
190	111	-.215	.095	.089	-.718
190	112	-.344	.142	.088	-1.243
190	113	-.213	.123	.193	-.701
190	114	-.185	.102	.147	-.599
190	115	-.181	.124	.165	-.737
190	116	-.328	.133	.052	-.813
190	117	-.181	.114	.228	-.639
190	118	-.160	.094	.175	-.584
190	119	-.178	.114	.173	-.742
190	120	-.256	.111	.122	-.749
190	121	-.188	.103	.241	-.574
190	122	-.209	.092	.167	-.790
190	123	-.320	.125	.119	-.896
190	124	-.188	.115	.175	-.720
190	125	-.184	.110	.148	-.767
190	126	-.159	.112	.205	-.670
190	127	-.312	.125	.100	-.865
190	128	-.164	.108	.178	-.792
190	129	-.146	.085	.142	-.565
190	130	-.136	.097	.153	-.622
190	131	-.298	.117	.084	-.977
190	132	-.172	.110	.207	-.892
190	133	-.164	.091	.116	-.564
190	134	-.155	.101	.174	-.569
190	135	-.322	.109	.019	-.705
190	136	-.185	.095	.145	-.534
190	137	-.169	.093	.118	-.625
190	138	-.163	.104	.162	-.670
190	139	-.313	.112	.056	-.901
190	140	-.168	.098	.171	-.688
190	141	-.134	.076	.128	-.437
190	142	-.122	.083	.143	-.422
190	143	-.281	.096	.042	-.645
190	144	-.154	.094	.171	-.523
190	145	-.157	.095	.166	-.528
190	146	-.179	.125	.174	-.785
190	147	-.345	.140	.059	-.969
190	148	-.203	.121	.171	-.752
190	149	-.191	.098	.058	-.595
190	150	-.164	.100	.102	-.536
190	151	-.330	.113	-.029	-.759
190	152	-.178	.096	.102	-.517
190	153	-.161	.083	.157	-.553
190	154	-.130	.085	.184	-.447

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
190	155	-.285	.095	.055	-.577
190	156	-.149	.086	.164	-.423
190	157	-.148	.080	.137	-.508
190	158	-.144	.095	.186	-.630
190	159	-.382	.161	.011	-1.316
190	160	-.234	.146	.114	-1.058
190	161	-.213	.134	.103	-1.064
190	162	-.170	.121	.144	-.882
190	163	-.322	.122	.035	-.970
190	164	-.180	.109	.131	-.715
190	165	-.150	.076	.097	-.437
190	166	-.136	.085	.156	-.451
190	167	-.284	.094	.056	-.624
190	168	-.140	.085	.154	-.447
190	169	-.132	.079	.133	-.384
190	170	-.132	.092	.155	-.498
190	171	-.304	.107	.034	-.808
190	172	-.241	.151	.125	-1.402
190	173	-.205	.127	.098	-1.073
190	174	-.177	.128	.142	-.868
190	175	-.308	.108	.015	-.776
190	176	-.154	.087	.133	-.499
190	177	-.134	.075	.109	-.420
190	178	-.126	.083	.144	-.469
190	179	-.291	.093	.014	-.697
190	180	-.138	.081	.136	-.437
190	181	-.105	.075	.142	-.384
190	182	-.133	.088	.158	-.534
190	183	-.146	.089	.144	-.552
190	184	-.147	.088	.150	-.523
190	185	-.154	.112	.096	-.900
190	186	-.173	.121	.099	-1.076
190	187	-.151	.090	.112	-.554
190	188	-.135	.080	.119	-.416
190	189	-.116	.071	.111	-.355
190	190	-.136	.082	.129	-.407
190	191	-.143	.083	.123	-.418
190	192	-.139	.082	.118	-.408
190	193	-.112	.071	.117	-.387
190	194	-.129	.081	.137	-.453
190	195	-.141	.083	.116	-.489
190	196	-.140	.084	.121	-.478
190	197	-.115	.078	.121	-.517
190	198	-.130	.087	.211	-.437
190	199	-.122	.081	.168	-.427
190	200	-.133	.087	.219	-.474
190	201	-.114	.070	.118	-.377
190	202	-.130	.080	.138	-.436
190	203	-.135	.080	.136	-.437
190	204	-.132	.080	.141	-.438
190	205	-.115	.073	.135	-.373
190	206	-.129	.084	.170	-.432
190	207	-.146	.108	.147	-.812
190	208	-.140	.107	.156	-.683
190	209	-.209	.091	.129	-.582
190	210	-.134	.088	.200	-.480
190	211	-.139	.074	.083	-.426
190	212	-.136	.082	.147	-.445
190	213	-.120	.078	.186	-.389
190	214	-.133	.089	.203	-.476
190	215	-.170	.078	.101	-.492
190	216	-.140	.092	.210	-.447
190	217	-.118	.073	.142	-.397
190	218	-.125	.084	.179	-.441
190	219	-.131	.082	.167	-.439
190	220	-.132	.081	.162	-.437
190	221	-.118	.071	.145	-.397
190	222	-.128	.081	.176	-.448
190	223	-.136	.082	.174	-.478
190	224	-.130	.081	.175	-.451
190	225	-.105	.089	.214	-.422
190	301	-.205	.121	.176	-.986
190	302	-.219	.141	.224	-1.098
190	303	-.275	.164	.254	-1.147
190	304	-.296	.169	.235	-1.275
190	305	-.302	.156	.173	-1.153
190	306	-.203	.140	.200	-.866
190	307	-.256	.154	.197	-1.085
190	308	-.178	.133	.213	-.964
190	309	-.172	.110	.168	-.704
190	310	-.217	.138	.167	-.926
190	311	-.273	.159	.246	-1.108
190	312	-.267	.154	.286	-1.070
190	313	-.177	.119	.133	-.800
190	314	-.179	.132	.190	-.904
190	315	-.218	.137	.326	-.796
190	316	-.248	.160	.251	-1.118
190	317	-.248	.142	.168	-1.064
190	318	-.176	.122	.190	-1.001
190	319	-.183	.118	.191	-1.005
190	320	-.191	.120	.184	-1.034
190	321	-.232	.138	.226	-1.179
190	322	-.235	.154	.253	-1.111
190	323	-.184	.109	.161	-.856
190	324	-.175	.106	.223	-.670
190	325	-.172	.098	.120	-.715
190	326	-.196	.129	.156	-1.150
190	327	-.205	.130	.144	-1.102
190	328	-.157	.098	.172	-.702
190	329	-.156	.084	.132	-.726
190	330	-.159	.096	.172	-.626
190	331	-.181	.102	.164	-.907
190	332	-.176	.101	.175	-.799
190	333	-.264	.093	.059	-.717
190	334	-.137	.083	.164	-.475
190	335	-.209	.084	.044	-.502
190	336	-.130	.092	.135	-.615
190	337	-.284	.105	.018	-.915
190	338	-.118	.082	.140	-.425
190	339	-.176	.072	.035	-.478
190	340	-.101	.087	.144	-.472
190	341	-.226	.092	.108	-.572
190	342	-.113	.082	.163	-.405
190	343	-.181	.080	.095	-.585
190	344	-.108	.092	.184	-.634
190	345	-.279	.113	.031	-1.063
190	346	-.154	.102	.127	-.848
190	401	.051	.201	.886	-.638
190	402	.066	.234	.897	-.641
190	403	.147	.228	1.018	-.869
190	404	.059	.186	.829	-.443
190	405	.131	.196	.884	-.523
190	406	.103	.221	.899	-.421
190	407	.158	.215	.941	-.407
190	408	.047	.174	.674	-.422
190	409	-.128	.201	.547	-1.092
190	410	-.271	.203	.445	-1.139
190	411	-.025	.174	.601	-.607
190	412	-.009	.165	.719	-.430
190	413	.130	.205	1.188	-.331
190	414	.151	.202	.937	-.413
190	415	.187	.194	1.172	-.353
190	416	.099	.189	.775	-.373
190	417	.062	.181	.829	-.493
190	418	-.189	.177	.369	-.926
190	419	-.229	.217	.399	-1.084
190	420	-.162	.122	.267	-.564
190	421	-.023	.143	.576	-.464
190	422	-.001	.165	.655	-.556
190	423	.067	.152	.822	-.365
190	424	.027	.146	.574	-.395
190	425	.112	.161	.821	-.359
190	426	.077	.189	.753	-.444
190	427	-.005	.162	.748	-.476
190	428	-.257	.165	.277	-.990
190	429	-.200	.166	.386	-.853
190	430	-.208	.117	.317	-.797
190	431	-.121	.110	.400	-.557
190	432	-.134	.106	.328	-.496
190	433	-.039	.114	.392	-.408

APPENDIX A -- PRESSURE DATA: CONFIGURATION A: ONE LOGAN SQUARE

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
190	434	-.090	.123	.455	-.475
190	435	-.017	.123	.554	-.388
190	436	-.072	.118	.484	-.432
190	437	-.085	.138	.495	-.590
190	438	-.261	.175	.264	-1.236
190	439	-.157	.098	.210	-.691
190	440	-.220	.093	.124	-.599
190	441	-.097	.095	.328	-.540
190	442	-.154	.102	.317	-.577
190	443	-.086	.098	.331	-.461
190	444	-.151	.098	.210	-.449
190	445	-.077	.109	.407	-.405
190	446	-.203	.123	.302	-.820
190	447	-.199	.152	.612	-1.143
190	448	-.271	.132	.080	-.919
190	449	-.147	.095	.187	-.712
190	450	-.210	.096	.139	-.648
190	451	-.121	.088	.204	-.414
190	452	-.178	.083	.102	-.465
190	453	-.083	.091	.232	-.401
190	454	-.148	.098	.203	-.449
190	455	-.107	.095	.289	-.417
190	456	-.211	.095	.210	-.786
190	457	-.156	.128	.195	-.946
190	458	-.190	.095	.089	-.578
190	459	-.111	.085	.140	-.439
190	460	-.135	.082	.180	-.400
190	461	-.041	.090	.347	-.363
190	462	-.084	.101	.372	-.415
190	463	-.027	.098	.410	-.341
190	464	-.141	.083	.130	-.408
190	465	-.120	.091	.208	-.498
190	466	-.210	.103	.160	-.659
190	467	-.143	.097	.197	-.596
190	468	-.132	.085	.262	-.434
190	469	-.091	.086	.241	-.430
190	470	-.179	.092	.172	-.582
190	471	-.131	.092	.189	-.587
190	472	-.142	.091	.178	-.444
190	473	-.042	.099	.283	-.371
190	474	-.071	.111	.332	-.444
190	475	-.001	.109	.452	-.359
190	476	.041	.125	.635	-.270
190	477	.071	.121	.556	-.268
190	478	-.182	.105	.193	-.512
190	479	-.158	.109	.184	-.585
190	501	-.116	.077	.121	-.362
190	502	-.132	.079	.133	-.428
190	503	-.136	.087	.153	-.433
190	504	-.122	.085	.148	-.394
190	505	-.103	.073	.124	-.356
190	506	-.124	.084	.143	-.422
190	507	-.148	.084	.126	-.476
190	508	-.133	.084	.131	-.509
190	509	-.106	.073	.160	-.354
190	510	-.118	.086	.180	-.408
190	511	-.131	.089	.205	-.470
190	512	-.110	.087	.221	-.426
190	513	-.096	.075	.187	-.398
190	514	-.113	.089	.209	-.550
190	515	-.132	.086	.165	-.447
190	516	-.115	.084	.176	-.377
190	517	-.101	.075	.119	-.348
190	518	-.118	.087	.138	-.407
190	519	-.130	.090	.160	-.428
190	520	-.105	.088	.176	-.423
190	521	-.097	.073	.193	-.353
190	522	-.112	.082	.209	-.412
190	523	-.137	.084	.174	-.444
190	524	-.127	.083	.192	-.425
190	525	-.103	.076	.162	-.423
190	526	-.119	.090	.213	-.495
190	601	-.155	.090	.145	-.521
190	602	-.128	.089	.195	-.496
190	603	-.102	.071	.122	-.342
190	604	-.126	.081	.133	-.384
190	605	-.131	.081	.128	-.445
190	606	-.117	.081	.148	-.406
190	607	-.114	.074	.140	-.495
190	608	-.123	.084	.198	-.417
190	609	-.146	.085	.165	-.512
190	610	-.121	.082	.182	-.419
190	611	-.102	.068	.200	-.369
190	612	-.134	.083	.220	-.460
190	613	-.175	.088	.167	-.546
190	614	-.149	.082	.186	-.517
190	615	-.120	.072	.095	-.391
190	616	-.145	.083	.094	-.482
190	617	-.171	.087	.084	-.472
190	618	-.173	.093	.091	-.544
190	619	-.127	.075	.128	-.368
190	620	-.153	.096	.137	-.532
190	621	-.150	.088	.136	-.446
190	622	-.140	.087	.139	-.425
190	623	-.119	.070	.119	-.347
190	624	-.144	.081	.127	-.429
190	625	-.167	.087	.107	-.489
190	626	-.116	.090	.203	-.421
190	701	-.125	.072	.186	-.356
190	702	-.138	.093	.272	-.543
190	703	-.153	.087	.199	-.441
190	704	-.143	.084	.203	-.424
190	705	-.114	.071	.155	-.393
190	706	-.198	.095	.108	-.602
190	707	-.157	.084	.161	-.483
190	708	-.157	.092	.165	-.543
190	709	-.140	.077	.103	-.496
190	710	-.128	.097	.236	-.520
190	711	-.138	.092	.230	-.467
190	712	-.142	.083	.135	-.441
190	713	-.115	.076	.195	-.378
190	714	-.131	.087	.214	-.424
190	715	-.153	.089	.188	-.460
190	716	-.146	.091	.190	-.460
190	717	-.118	.078	.184	-.426
190	718	-.105	.095	.293	-.427
190	719	-.127	.094	.426	-.464
190	720	-.136	.089	.200	-.454
190	721	-.097	.081	.199	-.437
190	722	-.127	.087	.158	-.390
190	723	-.151	.091	.161	-.439
190	724	-.126	.087	.171	-.401
190	725	-.169	.076	.115	-.462
190	726	-.105	.082	.204	-.428
190	727	-.205	.106	.346	-.571
190	728	-.079	.112	.554	-.423
190	729	-.054	.098	.416	-.399
190	801	-.244	.096	.075	-.660
190	802	-.122	.092	.203	-.668
190	803	-.179	.082	.112	-.460
190	804	-.093	.087	.210	-.385
190	805	-.250	.100	.137	-.624
190	806	-.115	.087	.213	-.423
190	807	-.165	.073	.088	-.405
190	808	-.086	.080	.208	-.358
190	809	-.243	.094	.073	-.566
190	810	-.118	.081	.171	-.382
190	811	-.176	.073	.116	-.411
190	812	-.084	.077	.219	-.326
190	813	-.229	.088	.104	-.492
190	814	-.132	.080	.193	-.381
190	815	-.185	.073	.092	-.416
190	816	-.100	.078	.184	-.368
190	817	-.247	.088	.078	-.552
190	818	-.127	.079	.156	-.394
190	819	-.186	.072	.063	-.431
190	820	-.099	.076	.159	-.355
190	821	-.248	.087	.046	-.535
190	822	-.126	.079	.145	-.391
190	823	-.188	.074	.063	-.441

APPENDIX A -- PRESSURE DATA: CONFIGURATION A: ONE LOGAN SQUARE

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
190	901	-.135	.088	.144	-.437
190	902	-.264	.096	.080	-.635
190	903	-.131	.082	.145	-.410
190	904	-.198	.073	.148	-.431
190	905	-.109	.080	.254	-.443
190	906	-.256	.089	.198	-.528
190	907	-.131	.078	.246	-.366
190	908	-.194	.076	.100	-.617
190	909	-.112	.082	.182	-.437
190	910	-.264	.088	.066	-.574
190	911	-.140	.079	.157	-.426
190	912	-.198	.081	.082	-.486
190	913	-.110	.091	.179	-.568
190	914	-.276	.105	.152	-.725
190	915	-.142	.092	.157	-.510
190	916	-.210	.089	.100	-.669
190	917	-.103	.082	.168	-.466
190	918	-.256	.093	.076	-.661
190	919	-.133	.084	.180	-.493
190	920	-.192	.080	.089	-.486
190	921	-.107	.083	.173	-.402
190	922	-.262	.097	.054	-.662
190	923	-.135	.085	.147	-.422
190	924	-.185	.074	.066	-.567
190	925	-.126	.082	.160	-.467
190	1001	-.194	.083	.112	-.563
190	1002	-.113	.088	.221	-.469
190	1003	-.304	.118	.109	-.850
190	1004	-.136	.086	.203	-.492
190	1005	-.198	.076	.028	-.443
200	1	-.362	.191	.230	-1.715
200	2	-.327	.191	.124	-1.826
200	3	-.302	.147	.128	-1.203
200	4	-.178	.146	.341	-1.137
200	5	-.415	.190	.396	-1.448
200	6	-.307	.189	.166	-1.278
200	7	-.265	.131	.183	-.895
200	8	-.310	.159	.165	-1.149
200	9	-.253	.149	.296	-.859
200	10	-.298	.179	.155	-1.255
200	11	-.231	.098	.085	-.637
200	12	-.176	.119	.183	-.763
200	13	-.261	.115	.136	-.739
200	14	-.190	.105	.155	-.654
200	15	-.239	.102	.091	-.834
200	101	-.177	.109	.168	-.789
200	102	-.210	.130	.217	-.923
200	103	-.207	.126	.187	-1.070
200	104	-.205	.124	.150	-.887
200	105	-.179	.112	.167	-.876
200	106	-.198	.123	.169	-.863
200	107	-.201	.120	.164	-.857
200	108	-.189	.115	.176	-.674
200	109	-.155	.094	.128	-.816
200	110	-.180	.109	.186	-.641
200	111	-.229	.101	.070	-.789
200	112	-.208	.123	.162	-1.005
200	113	-.205	.121	.144	-.712
200	114	-.153	.094	.122	-.600
200	115	-.180	.109	.176	-.673
200	116	-.188	.106	.182	-.714
200	117	-.175	.101	.259	-.562
200	118	-.143	.086	.158	-.530
200	119	-.182	.119	.170	-.861
200	120	-.262	.110	.141	-.710
200	121	-.191	.101	.170	-.566
200	122	-.231	.092	.086	-.722
200	123	-.183	.100	.115	-.531
200	124	-.174	.104	.119	-.620
200	125	-.149	.086	.099	-.639
200	126	-.164	.097	.112	-.730
200	127	-.175	.097	.105	-.747
200	128	-.162	.092	.114	-.602
200	129	-.130	.084	.139	-.503
200	130	-.150	.094	.161	-.646
200	131	-.159	.099	.160	-.598
200	132	-.151	.101	.159	-.682
200	133	-.142	.090	.154	-.586
200	134	-.161	.101	.200	-.631
200	135	-.180	.095	.149	-.532
200	136	-.169	.093	.194	-.509
200	137	-.135	.074	.078	-.413
200	138	-.154	.086	.091	-.498
200	139	-.166	.085	.085	-.484
200	140	-.152	.083	.091	-.448
200	141	-.132	.073	.105	-.420
200	142	-.153	.086	.111	-.499
200	143	-.172	.089	.107	-.592
200	144	-.159	.094	.254	-.643
200	145	-.135	.086	.131	-1.070
200	146	-.167	.111	.172	-.810
200	147	-.185	.110	.159	-.814
200	148	-.173	.101	.197	-.727
200	149	-.154	.080	.141	-.462
200	150	-.163	.091	.173	-.500
200	151	-.182	.092	.150	-.497
200	152	-.163	.089	.168	-.422
200	153	-.131	.076	.125	-.385
200	154	-.136	.087	.153	-.460
200	155	-.159	.089	.118	-.497
200	156	-.149	.088	.141	-.473
200	157	-.159	.081	.137	-.540
200	158	-.159	.096	.183	-.644
200	159	-.212	.130	.132	-2.150
200	160	-.200	.131	.150	-2.304
200	161	-.187	.093	.078	-.683
200	162	-.165	.088	.114	-.469
200	163	-.173	.085	.097	-.469
200	164	-.161	.085	.097	-.458
200	165	-.137	.071	.092	-.364
200	166	-.138	.081	.118	-.391
200	167	-.153	.081	.098	-.425
200	168	-.153	.083	.089	-.425
200	169	-.164	.075	.071	-.436
200	170	-.164	.091	.104	-.907
200	171	-.182	.092	.098	-.794
200	172	-.204	.121	.115	-1.149
200	173	-.188	.105	.061	-.942
200	174	-.170	.104	.111	-.667
200	175	-.164	.088	.110	-.526
200	176	-.144	.084	.128	-.454
200	177	-.142	.071	.083	-.464
200	178	-.141	.081	.118	-.514
200	179	-.157	.081	.097	-.526
200	180	-.140	.079	.116	-.508
200	181	-.152	.078	.176	-.469
200	182	-.169	.095	.182	-.589
200	183	-.185	.099	.163	-.645
200	184	-.177	.098	.158	-.662
200	185	-.201	.113	.079	-1.040
200	186	-.191	.122	.134	-1.156
200	187	-.168	.093	.137	-.645
200	188	-.141	.082	.167	-.454
200	189	-.150	.073	.056	-.415
200	190	-.143	.081	.094	-.435
200	191	-.152	.082	.097	-.450
200	192	-.143	.080	.099	-.448
200	193	-.140	.076	.143	-.357
200	194	-.137	.085	.169	-.395
200	195	-.169	.090	.145	-.467
200	196	-.174	.097	.149	-.630
200	197	-.194	.087	.119	-.766
200	198	-.149	.086	.165	-.490
200	199	-.135	.085	.184	-.404
200	200	-.149	.087	.155	-.438
200	201	-.149	.074	.103	-.403
200	202	-.141	.083	.151	-.427
200	203	-.150	.083	.152	-.452
200	204	-.144	.084	.137	-.443
200	205	-.145	.074	.102	-.452

APPENDIX A -- PRESSURE DATA: CONFIGURATION A: ONE LOGAN SQUARE

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
200	206	-.138	.084	.135	-.490
200	207	-.178	.112	.160	-1.009
200	208	-.167	.109	.151	-.868
200	209	-.233	.102	.108	-.723
200	210	-.151	.088	.138	-.553
200	211	-.156	.074	.085	-.459
200	212	-.152	.085	.161	-.393
200	213	-.158	.075	.184	-.446
200	214	-.165	.091	.207	-.568
200	215	-.211	.085	.063	-.677
200	216	-.154	.087	.254	-.452
200	217	-.145	.078	.093	-.392
200	218	-.139	.087	.121	-.429
200	219	-.145	.085	.101	-.429
200	220	-.137	.085	.111	-.418
200	221	-.140	.075	.105	-.364
200	222	-.137	.083	.142	-.395
200	223	-.152	.084	.129	-.392
200	224	-.143	.083	.141	-.381
200	225	-.110	.084	.147	-.401
200	301	-.192	.112	.184	-.828
200	302	-.194	.129	.184	-.850
200	303	-.273	.171	.157	-1.263
200	304	-.346	.203	.145	-1.464
200	305	-.404	.208	.166	-1.777
200	306	-.189	.135	.185	-.849
200	307	-.276	.186	.282	-1.271
200	308	-.159	.113	.197	-.756
200	309	-.167	.105	.183	-.692
200	310	-.213	.150	.219	-.873
200	311	-.361	.216	.205	-1.344
200	312	-.356	.205	.242	-1.354
200	313	-.163	.092	.152	-.658
200	314	-.159	.106	.224	-.740
200	315	-.229	.154	.170	-1.237
200	316	-.315	.200	.274	-1.933
200	317	-.320	.181	.254	-1.169
200	318	-.156	.104	.211	-.698
200	319	-.168	.106	.218	-.655
200	320	-.177	.132	.250	-.967
200	321	-.242	.150	.220	-1.066
200	322	-.249	.167	.392	-1.295
200	323	-.163	.093	.179	-.586
200	324	-.144	.091	.186	-.618
200	325	-.152	.104	.162	-.929
200	326	-.193	.143	.264	-1.035
200	327	-.214	.145	.207	-1.116
200	328	-.153	.092	.174	-.682
200	329	-.140	.080	.152	-.415
200	330	-.134	.095	.177	-.553
200	331	-.173	.114	.209	-.987
200	332	-.164	.111	.201	-.864
200	333	-.148	.081	.136	-.427
200	334	-.134	.081	.141	-.404
200	335	-.127	.072	.113	-.412
200	336	-.144	.087	.166	-.572
200	337	-.152	.090	.162	-.733
200	338	-.132	.083	.167	-.427
200	339	-.119	.071	.127	-.369
200	340	-.119	.084	.196	-.420
200	341	-.119	.086	.244	-.418
200	342	-.115	.084	.189	-.416
200	343	-.114	.074	.267	-.378
200	344	-.123	.091	.148	-.829
200	345	-.137	.095	.146	-.598
200	346	-.131	.095	.192	-.563
200	401	.080	.199	.999	-.603
200	402	.087	.229	1.032	-.580
200	403	.149	.218	1.019	-.528
200	404	.083	.201	.893	-.482
200	405	.135	.211	.970	-.563
200	406	.081	.233	1.205	-.659
200	407	.102	.215	.931	-.594
200	408	-.048	.153	.511	-.569
200	409	-.208	.191	.529	-1.104
200	410	-.310	.187	.306	-1.226
200	411	.007	.178	.745	-.615
200	412	.043	.184	.722	-.477
200	413	.164	.207	.878	-.417
200	414	.065	.194	.782	-.487
200	415	.099	.186	.886	-.411
200	416	.020	.171	.723	-.461
200	417	-.011	.164	.803	-.489
200	418	-.237	.160	.393	-.862
200	419	-.229	.177	.371	-.927
200	420	-.133	.137	.557	-.717
200	421	.004	.154	.794	-.526
200	422	-.008	.165	.638	-.540
200	423	.035	.148	.727	-.467
200	424	-.019	.136	.545	-.405
200	425	.039	.138	.585	-.342
200	426	-.021	.154	.648	-.496
200	427	-.062	.140	.694	-.631
200	428	-.259	.142	.241	-1.323
200	429	-.182	.142	.285	-1.132
200	430	-.188	.131	.346	-.685
200	431	-.097	.123	.467	-.531
200	432	-.125	.098	.258	-.433
200	433	-.045	.105	.490	-.394
200	434	-.109	.107	.354	-.567
200	435	-.053	.099	.378	-.414
200	436	-.100	.112	.352	-.495
200	437	-.086	.128	.586	-.586
200	438	-.235	.145	.257	-1.073
200	439	-.141	.102	.253	-.583
200	440	-.202	.093	.144	-.586
200	441	-.106	.096	.278	-.551
200	442	-.175	.101	.262	-.610
200	443	-.109	.096	.268	-.486
200	444	-.167	.081	.085	-.497
200	445	-.094	.090	.214	-.413
200	446	-.208	.106	.204	-.606
200	447	-.185	.123	.261	-.938
200	448	-.268	.117	.061	-.956
200	449	-.124	.099	.216	-.663
200	450	-.191	.102	.142	-.654
200	451	-.120	.092	.164	-.397
200	452	-.174	.083	.140	-.462
200	453	-.085	.090	.230	-.392
200	454	-.157	.095	.158	-.485
200	455	-.115	.091	.230	-.423
200	456	-.231	.091	.052	-.694
200	457	-.183	.122	.211	-1.078
200	458	-.194	.100	.116	-.595
200	459	-.120	.091	.173	-.445
200	460	-.145	.083	.200	-.488
200	461	-.039	.089	.304	-.328
200	462	-.080	.098	.337	-.376
200	463	-.018	.094	.374	-.310
200	464	-.133	.082	.182	-.419
200	465	-.133	.095	.193	-.551
200	466	-.245	.125	.130	-1.009
200	467	-.164	.118	.151	-1.014
200	468	-.141	.085	.223	-.427
200	469	-.094	.088	.328	-.421
200	470	-.190	.095	.175	-.585
200	471	-.144	.098	.230	-.667
200	472	-.157	.090	.543	-.507
200	473	-.059	.099	.651	-.457
200	474	-.092	.110	.324	-.594
200	475	-.095	.106	.446	-.301
200	476	.035	.122	.617	-.378
200	477	.021	.123	.542	-.355
200	478	-.097	.095	.209	-.456
200	479	-.165	.105	.151	-.804
200	501	-.120	.073	.119	-.367
200	502	-.136	.082	.136	-.445
200	503	-.147	.086	.131	-.481
200	504	-.128	.083	.136	-.415
200	505	-.104	.072	.152	-.346

APPENDIX A -- PRESSURE DATA: CONFIGURATION A; ONE LOGAN SQUARE

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
200	506	-.122	.083	.167	-.395
200	507	-.141	.083	.141	-.420
200	508	-.124	.085	.148	-.420
200	509	-.117	.070	.117	-.472
200	510	-.142	.083	.149	-.527
200	511	-.138	.079	.117	-.450
200	512	-.117	.078	.140	-.432
200	513	-.103	.070	.150	-.359
200	514	-.123	.082	.168	-.405
200	515	-.144	.082	.161	-.420
200	516	-.129	.084	.176	-.417
200	517	-.107	.072	.135	-.361
200	518	-.129	.083	.149	-.424
200	519	-.132	.085	.149	-.430
200	520	-.114	.084	.160	-.408
200	521	-.094	.078	.127	-.372
200	522	-.109	.088	.148	-.419
200	523	-.133	.090	.135	-.425
200	524	-.120	.089	.147	-.377
200	525	-.100	.069	.151	-.298
200	526	-.116	.080	.140	-.350
200	601	-.151	.084	.142	-.447
200	602	-.114	.082	.237	-.402
200	603	-.096	.071	.244	-.387
200	604	-.118	.081	.267	-.392
200	605	-.140	.080	.114	-.488
200	606	-.124	.079	.131	-.408
200	607	-.113	.076	.159	-.661
200	608	-.126	.086	.172	-.403
200	609	-.149	.084	.193	-.501
200	610	-.122	.084	.143	-.409
200	611	-.108	.071	.175	-.339
200	612	-.135	.082	.181	-.424
200	613	-.171	.087	.174	-.569
200	614	-.150	.082	.156	-.447
200	615	-.122	.068	.082	-.395
200	616	-.137	.079	.100	-.459
200	617	-.170	.083	.080	-.536
200	618	-.165	.087	.088	-.561
200	619	-.127	.070	.144	-.344
200	620	-.154	.087	.175	-.455
200	621	-.153	.082	.160	-.444
200	622	-.138	.081	.165	-.416
200	623	-.113	.068	.132	-.376
200	624	-.131	.079	.148	-.419
200	625	-.162	.082	.096	-.455
200	626	-.130	.084	.156	-.469
200	701	-.114	.078	.164	-.367
200	702	-.134	.090	.162	-.452
200	703	-.151	.098	.342	-.475
200	704	-.145	.089	.189	-.432
200	705	-.128	.065	.099	-.341
200	706	-.214	.093	.125	-.522
200	707	-.159	.076	.116	-.401
200	708	-.159	.080	.093	-.460
200	709	-.141	.078	.109	-.520
200	710	-.133	.093	.364	-.489
200	711	-.150	.094	.160	-.491
200	712	-.141	.084	.157	-.442
200	713	-.125	.070	.151	-.355
200	714	-.135	.080	.173	-.405
200	715	-.153	.082	.172	-.436
200	716	-.152	.083	.160	-.476
200	717	-.132	.076	.120	-.406
200	718	-.108	.093	.277	-.437
200	719	-.144	.093	.168	-.478
200	720	-.145	.082	.127	-.477
200	721	-.111	.079	.197	-.438
200	722	-.136	.080	.137	-.436
200	723	-.163	.084	.128	-.487
200	724	-.136	.080	.147	-.448
200	725	-.112	.072	.110	-.391
200	726	-.136	.083	.123	-.446
200	727	-.124	.090	.182	-.476
200	728	-.055	.101	.361	-.518
200	729	-.099	.094	.393	-.540
200	801	-.143	.090	.144	-.459
200	802	-.144	.092	.168	-.513
200	803	-.112	.071	.131	-.369
200	804	-.125	.081	.188	-.417
200	805	-.142	.091	.152	-.651
200	806	-.118	.082	.155	-.393
200	807	-.097	.072	.168	-.411
200	808	-.115	.085	.220	-.473
200	809	-.144	.099	.264	-.693
200	810	-.122	.088	.195	-.507
200	811	-.101	.074	.152	-.362
200	812	-.113	.086	.183	-.408
200	813	-.121	.089	.177	-.502
200	814	-.144	.088	.143	-.419
200	815	-.134	.083	.186	-.384
200	816	-.149	.091	.129	-.481
200	817	-.152	.091	.147	-.476
200	818	-.147	.090	.133	-.461
200	819	-.129	.071	.099	-.392
200	820	-.141	.081	.124	-.439
200	821	-.146	.082	.121	-.453
200	822	-.143	.082	.130	-.448
200	823	-.130	.069	.135	-.335
200	901	-.145	.093	.234	-.534
200	902	-.150	.083	.143	-.495
200	903	-.145	.082	.153	-.440
200	904	-.127	.072	.137	-.380
200	905	-.140	.084	.161	-.417
200	906	-.158	.089	.199	-.512
200	907	-.145	.086	.162	-.416
200	908	-.135	.073	.137	-.387
200	909	-.152	.089	.162	-.489
200	910	-.138	.086	.159	-.411
200	911	-.156	.091	.268	-.435
200	912	-.139	.072	.100	-.443
200	913	-.146	.092	.222	-.576
200	914	-.178	.102	.149	-.768
200	915	-.162	.092	.153	-.544
200	916	-.160	.083	.161	-.621
200	917	-.145	.086	.218	-.467
200	918	-.151	.084	.206	-.475
200	919	-.143	.083	.210	-.457
200	920	-.127	.078	.140	-.442
200	921	-.138	.086	.192	-.491
200	922	-.163	.092	.162	-.550
200	923	-.141	.086	.181	-.483
200	924	-.183	.078	.086	-.501
200	925	-.139	.091	.154	-.591
200	1001	-.147	.075	.105	-.502
200	1002	-.152	.083	.146	-.467
200	1003	-.194	.099	.125	-.692
200	1004	-.149	.081	.143	-.423
200	1005	-.136	.076	.113	-.392
210	1	-.397	.196	.206	-1.536
210	2	-.354	.185	.211	-1.590
210	3	-.349	.151	.071	-1.284
210	4	-.216	.154	.325	-.931
210	5	-.458	.188	.025	-2.123
210	6	-.361	.180	.183	-1.560
210	7	-.304	.132	.087	-.993
210	8	-.365	.159	.101	-1.167
210	9	-.274	.165	.247	-1.491
210	10	-.313	.184	.181	-1.720
210	11	-.271	.109	.077	-.837
210	12	-.216	.138	.190	-1.175
210	13	-.311	.127	.145	-.779
210	14	-.227	.110	.146	-.775
210	15	-.297	.107	.038	-.801
210	101	-.254	.114	.098	-.850
210	102	-.250	.133	.146	-.966
210	103	-.230	.125	.167	-.939
210	104	-.236	.128	.116	-.992
210	105	-.240	.101	.045	-.720
210	106	-.235	.118	.106	-.813

APPENDIX A -- PRESSURE DATA: CONFIGURATION A: ONE LOGAN SQUARE

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
210	107	-.232	.115	.090	-.787
210	108	-.227	.111	.109	-.775
210	109	-.230	.095	.095	-.676
210	110	-.218	.109	.147	-.763
210	111	-.275	.099	.103	-.795
210	112	-.228	.113	.130	-.981
210	113	-.233	.126	.137	-.978
210	114	-.238	.103	.050	-.702
210	115	-.228	.115	.109	-.895
210	116	-.232	.116	.107	-.885
210	117	-.225	.117	.092	-.808
210	118	-.230	.086	.111	-.556
210	119	-.218	.116	.246	-.786
210	120	-.287	.113	.072	-.714
210	121	-.212	.104	.116	-.619
210	122	-.248	.090	.044	-.595
210	123	-.199	.103	.188	-.723
210	124	-.196	.105	.188	-.671
210	125	-.216	.092	.164	-.793
210	126	-.196	.102	.224	-.787
210	127	-.196	.102	.215	-.779
210	128	-.194	.098	.196	-.630
210	129	-.233	.085	.039	-.583
210	130	-.201	.094	.091	-.538
210	131	-.191	.095	.126	-.525
210	132	-.188	.094	.127	-.516
210	133	-.225	.096	.116	-.670
210	134	-.198	.106	.203	-.679
210	135	-.194	.097	.204	-.613
210	136	-.189	.093	.213	-.524
210	137	-.214	.088	.102	-.514
210	138	-.192	.099	.130	-.530
210	139	-.199	.099	.103	-.538
210	140	-.195	.098	.105	-.541
210	141	-.224	.078	.032	-.456
210	142	-.199	.087	.123	-.468
210	143	-.191	.087	.133	-.474
210	144	-.179	.086	.140	-.524
210	145	-.211	.075	.053	-.474
210	146	-.203	.101	.121	-.890
210	147	-.200	.097	.094	-.821
210	148	-.193	.089	.093	-.599
210	149	-.224	.077	.022	-.488
210	150	-.199	.087	.120	-.482
210	151	-.193	.087	.125	-.498
210	152	-.197	.087	.092	-.491
210	153	-.239	.077	.029	-.541
210	154	-.213	.087	.093	-.568
210	155	-.225	.089	.099	-.591
210	156	-.214	.090	.105	-.541
210	157	-.234	.080	.031	-.533
210	158	-.197	.092	.104	-.555
210	159	-.197	.107	.114	-.810
210	160	-.193	.104	.112	-.777
210	161	-.237	.081	.022	-.677
210	162	-.182	.081	.090	-.470
210	163	-.183	.081	.117	-.471
210	164	-.183	.081	.122	-.461
210	165	-.241	.076	.010	-.509
210	166	-.200	.086	.077	-.518
210	167	-.216	.089	.061	-.571
210	168	-.230	.094	.058	-.616
210	169	-.282	.082	-.038	-.694
210	170	-.231	.096	.071	-.596
210	171	-.230	.096	.085	-.586
210	172	-.208	.117	.104	-1.108
210	173	-.244	.088	.041	-.830
210	174	-.190	.088	.108	-.518
210	175	-.179	.083	.123	-.473
210	176	-.180	.084	.120	-.453
210	177	-.227	.079	.022	-.507
210	178	-.187	.089	.090	-.501
210	179	-.187	.088	.096	-.509
210	180	-.197	.089	.087	-.532
210	181	-.229	.084	.085	-.552
210	182	-.249	.098	.109	-.654
210	183	-.261	.099	.116	-.665
210	184	-.245	.097	.150	-.611
210	185	-.215	.106	.069	-.922
210	186	-.216	.116	.092	-1.012
210	187	-.213	.097	.082	-.784
210	188	-.174	.085	.098	-.564
210	189	-.173	.078	.097	-.435
210	190	-.178	.088	.136	-.479
210	191	-.197	.090	.129	-.512
210	192	-.180	.087	.136	-.492
210	193	-.173	.078	.086	-.435
210	194	-.202	.091	.135	-.510
210	195	-.264	.102	.063	-.670
210	196	-.250	.102	.083	-.770
210	197	-.237	.092	.026	-.598
210	198	-.165	.088	.150	-.457
210	199	-.169	.087	.137	-.448
210	200	-.175	.089	.145	-.484
210	201	-.177	.077	.085	-.485
210	202	-.183	.089	.112	-.526
210	203	-.198	.089	.108	-.526
210	204	-.174	.086	.120	-.514
210	205	-.166	.077	.083	-.417
210	206	-.171	.087	.098	-.469
210	207	-.210	.117	.117	-.811
210	208	-.195	.116	.127	-.772
210	209	-.277	.111	.069	-1.008
210	210	-.178	.087	.128	-.527
210	211	-.195	.074	.066	-.455
210	212	-.186	.087	.109	-.465
210	213	-.198	.096	.094	-.610
210	214	-.233	.120	.134	-.819
210	215	-.284	.094	.001	-.605
210	216	-.172	.099	.141	-.541
210	217	-.159	.084	.153	-.435
210	218	-.165	.095	.182	-.518
210	219	-.173	.091	.203	-.482
210	220	-.167	.090	.239	-.467
210	221	-.168	.078	.065	-.469
210	222	-.171	.086	.089	-.510
210	223	-.193	.088	.075	-.522
210	224	-.175	.087	.086	-.500
210	225	-.084	.091	.222	-.436
210	301	-.195	.100	.142	-.715
210	302	-.190	.118	.200	-.803
210	303	-.254	.175	.223	-1.051
210	304	-.402	.242	.314	-1.816
210	305	-.428	.234	.174	-1.757
210	306	-.173	.118	.203	-.772
210	307	-.223	.191	.228	-1.192
210	308	-.174	.102	.194	-.645
210	309	-.153	.094	.136	-.907
210	310	-.164	.153	.263	-.990
210	311	-.394	.261	.347	-1.603
210	312	-.392	.241	.373	-1.485
210	313	-.150	.080	.099	-.603
210	314	-.140	.096	.237	-1.001
210	315	-.175	.165	.207	-1.111
210	316	-.291	.244	.362	-1.491
210	317	-.331	.216	.400	-1.108
210	318	-.164	.094	.154	-.510
210	319	-.170	.098	.172	-.511
210	320	-.127	.124	.324	-.801
210	321	-.193	.187	.429	-1.651
210	322	-.214	.207	.512	-1.652
210	323	-.186	.098	.111	-.695
210	324	-.141	.099	.158	-.673
210	325	-.091	.101	.375	-.617
210	326	-.127	.164	.551	-1.002
210	327	-.166	.171	.468	-1.402
210	328	-.178	.092	.141	-.492
210	329	-.130	.086	.234	-.415
210	330	-.068	.102	.421	-.443
210	331	-.094	.122	.496	-.882

APPENDIX A -- PRESSURE DATA: CONFIGURATION A; ONE LOGAN SQUARE

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
210	332	-.087	.122	.446	-.739
210	333	-.160	.101	.270	-.502
210	334	-.115	.101	.319	-.440
210	335	-.049	.092	.444	-.393
210	336	-.017	.123	.556	-.460
210	337	-.029	.128	.556	-.662
210	338	-.096	.096	.287	-.424
210	339	-.102	.080	.191	-.352
210	340	-.099	.089	.232	-.372
210	341	-.087	.095	.275	-.370
210	342	-.092	.091	.254	-.366
210	343	-.086	.077	.224	-.320
210	344	-.083	.090	.255	-.504
210	345	-.056	.118	.363	-.640
210	346	-.034	.130	.426	-.624
210	401	.166	.213	.853	-.622
210	402	.164	.236	.893	-.572
210	403	.187	.216	.942	-.436
210	404	.096	.191	.637	-.403
210	405	.151	.204	.755	-.471
210	406	.058	.218	.953	-.593
210	407	.057	.197	.743	-.490
210	408	-.106	.145	.357	-.700
210	409	-.292	.178	.262	-1.159
210	410	-.372	.183	.254	-1.200
210	411	.089	.194	.880	-.424
210	412	.135	.199	.865	-.456
210	413	.231	.222	1.159	-.328
210	414	.047	.200	.746	-.495
210	415	.078	.182	.803	-.391
210	416	-.015	.165	.574	-.502
210	417	-.060	.150	.693	-.564
210	418	-.309	.166	.232	-1.469
210	419	-.259	.163	.328	-1.244
210	420	.056	.148	.561	-.706
210	421	.078	.159	.821	-.576
210	422	.040	.162	.628	-.414
210	423	.097	.154	.671	-.345
210	424	.017	.142	.591	-.394
210	425	.063	.146	.666	-.333
210	426	-.033	.151	.546	-.436
210	427	-.116	.126	.543	-.606
210	428	-.304	.129	.184	-.948
210	429	-.216	.134	.359	-.860
210	430	-.134	.145	.504	-.688
210	431	-.042	.129	.591	-.689
210	432	-.100	.111	.505	-.571
210	433	-.034	.115	.643	-.393
210	434	-.112	.123	.415	-.522
210	435	-.057	.115	.417	-.446

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
210	436	-.141	.104	.374	-.450
210	437	-.142	.112	.303	-.616
210	438	-.294	.139	.106	-1.208
210	439	-.097	.109	.353	-.568
210	440	-.149	.101	.273	-.557
210	441	-.080	.103	.263	-.467
210	442	-.168	.105	.178	-.544
210	443	-.105	.098	.248	-.461
210	444	-.178	.094	.196	-.485
210	445	-.108	.099	.235	-.435
210	446	-.248	.113	.211	-.790
210	447	-.223	.134	.185	-1.121
210	448	-.295	.112	-.004	-1.068
210	449	-.105	.114	.257	-.617
210	450	-.170	.115	.188	-.768
210	451	-.098	.098	.241	-.519
210	452	-.153	.087	.185	-.422
210	453	-.071	.090	.293	-.394
210	454	-.156	.094	.237	-.506
210	455	-.114	.091	.276	-.475
210	456	-.257	.095	.055	-.893
210	457	-.209	.129	.172	-1.141
210	458	-.194	.130	.252	-.782
210	459	-.102	.106	.294	-.575
210	460	-.134	.089	.148	-.639
210	461	-.035	.094	.267	-.402
210	462	-.077	.104	.273	-.447
210	463	-.017	.099	.303	-.350
210	464	-.140	.087	.156	-.412
210	465	-.159	.101	.150	-.547
210	466	-.289	.140	.100	-1.293
210	467	-.205	.142	.159	-1.253
210	468	-.156	.090	.160	-.521
210	469	-.109	.093	.207	-.450
210	470	-.222	.107	.106	-.701
210	471	-.178	.114	.149	-.804
210	472	-.127	.090	.198	-.469
210	473	-.042	.095	.338	-.394
210	474	-.088	.109	.408	-.472
210	475	.006	.113	.618	-.374
210	476	.035	.131	.541	-.362
210	477	.040	.129	.535	-.392
210	478	-.138	.098	.285	-.482
210	479	-.218	.124	.283	-.933
210	501	-.132	.073	.082	-.444
210	502	-.217	.098	.113	-.577
210	503	-.165	.084	.085	-.538
210	504	-.141	.081	.112	-.531
210	505	-.119	.075	.168	-.365
210	506	-.134	.087	.203	-.420

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
210	507	-.166	.092	.174	-.487
210	508	-.166	.098	.206	-.739
210	509	-.156	.084	.100	-.535
210	510	-.165	.090	.113	-.521
210	511	-.155	.086	.093	-.444
210	512	-.132	.085	.124	-.474
210	513	-.113	.073	.191	-.393
210	514	-.122	.085	.234	-.425
210	515	-.149	.085	.202	-.444
210	516	-.143	.084	.205	-.418
210	517	-.141	.075	.077	-.452
210	518	-.154	.085	.111	-.577
210	519	-.152	.081	.104	-.444
210	520	-.127	.081	.129	-.447
210	521	-.109	.073	.126	-.370
210	522	-.120	.082	.148	-.417
210	523	-.147	.086	.148	-.442
210	524	-.137	.085	.154	-.445
210	525	-.126	.075	.134	-.379
210	526	-.140	.088	.172	-.447
210	601	-.162	.117	.426	-.625
210	602	-.106	.093	.198	-.406
210	603	-.062	.095	.437	-.362
210	604	-.036	.131	.539	-.711
210	605	-.161	.093	.132	-.459
210	606	-.115	.091	.191	-.420
210	607	-.117	.077	.138	-.475
210	608	-.128	.088	.164	-.434
210	609	-.135	.089	.221	-.435
210	610	-.125	.083	.150	-.388
210	611	-.093	.073	.139	-.343
210	612	-.132	.091	.204	-.465
210	613	-.165	.088	.159	-.475
210	614	-.158	.083	.108	-.485
210	615	-.137	.075	.127	-.459
210	616	-.152	.083	.178	-.499
210	617	-.195	.084	.149	-.541
210	618	-.187	.085	.129	-.531
210	619	-.152	.073	.089	-.489
210	620	-.187	.092	.117	-.576
210	621	-.169	.087	.131	-.559
210	622	-.161	.084	.139	-.559
210	623	-.141	.075	.098	-.377
210	624	-.160	.086	.139	-.442
210	625	-.202	.092	.086	-.554
210	626	-.175	.092	.173	-.588
210	701	-.084	.095	.343	-.448
210	702	-.184	.094	.121	-.632
210	703	-.111	.138	.521	-.627
210	704	-.195	.086	.095	-.563

APPENDIX A -- PRESSURE DATA: CONFIGURATION A: ONE LOGAN SQUARE

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
210	705	-.190	.082	.083	-.446
210	706	-.250	.096	.055	-.597
210	707	-.179	.090	.159	-.489
210	708	-.189	.092	.125	-.482
210	709	-.170	.078	.075	-.487
210	710	-.181	.095	.212	-.624
210	711	-.155	.118	.223	-.662
210	712	-.196	.083	.061	-.488
210	713	-.185	.078	.089	-.515
210	714	-.163	.083	.166	-.440
210	715	-.169	.086	.149	-.490
210	716	-.191	.087	.090	-.542
210	717	-.163	.084	.116	-.736
210	718	-.114	.101	.256	-.560
210	719	-.145	.115	.341	-.560
210	720	-.184	.086	.230	-.468
210	721	-.145	.093	.150	-.623
210	722	-.176	.084	.098	-.484
210	723	-.213	.090	.088	-.559
210	724	-.184	.085	.115	-.464
210	725	-.170	.071	.063	-.459
210	726	-.158	.081	.074	-.460
210	727	-.169	.091	.151	-.569
210	728	-.103	.123	.704	-.501
210	729	-.105	.127	.749	-.545
210	801	-.164	.089	.166	-.472
210	802	-.184	.095	.130	-.596
210	803	-.160	.083	.120	-.465
210	804	-.138	.089	.198	-.456
210	805	-.198	.118	.212	-.843
210	806	-.135	.094	.238	-.482
210	807	-.129	.070	.107	-.352
210	808	-.128	.081	.158	-.384
210	809	-.201	.121	.156	-1.044
210	810	-.151	.086	.165	-.457
210	811	-.125	.076	.144	-.352
210	812	-.128	.086	.155	-.428
210	813	-.140	.087	.162	-.441
210	814	-.202	.095	.096	-.529
210	815	-.236	.089	.029	-.633
210	816	-.214	.091	.052	-.590
210	817	-.222	.094	.061	-.624
210	818	-.213	.091	.058	-.582
210	819	-.194	.077	.036	-.498
210	820	-.175	.085	.087	-.486
210	821	-.183	.086	.088	-.498
210	822	-.176	.085	.091	-.490
210	823	-.170	.071	.071	-.443
210	901	-.167	.105	.207	-.607
210	902	-.150	.085	.157	-.498

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
210	903	-.192	.095	.332	-.524
210	904	-.162	.075	.108	-.393
210	905	-.146	.082	.172	-.421
210	906	-.194	.102	.204	-.556
210	907	-.160	.089	.219	-.439
210	908	-.160	.071	.078	-.437
210	909	-.169	.091	.204	-.639
210	910	-.125	.097	.217	-.462
210	911	-.231	.139	.199	-1.017
210	912	-.179	.080	.246	-.505
210	913	-.180	.109	.142	-1.250
210	914	-.191	.094	.139	-.798
210	915	-.182	.101	.133	-.999
210	916	-.185	.087	.125	-.524
210	917	-.209	.099	.098	-.592
210	918	-.181	.091	.089	-.508
210	919	-.151	.088	.145	-.486
210	920	-.113	.083	.155	-.394
210	921	-.180	.084	.133	-.514
210	922	-.225	.101	.097	-.707
210	923	-.184	.086	.133	-.535
210	924	-.214	.073	.019	-.481
210	925	-.174	.085	.107	-.525
210	1001	-.172	.086	.107	-.520
210	1002	-.179	.091	.111	-.590
210	1003	-.235	.118	.116	-.847
210	1004	-.180	.089	.115	-.684
210	1005	-.175	.081	.133	-.510
220	1	-.408	.195	.397	-1.349
220	2	-.354	.183	.166	-1.284
220	3	-.413	.168	.156	-1.226
220	4	-.275	.174	.353	-1.076
220	5	-.525	.186	.031	-1.390
220	6	-.461	.198	.134	-1.317
220	7	-.298	.137	.115	-.837
220	8	-.467	.173	.111	-1.156
220	9	-.292	.166	.258	-.941
220	10	-.309	.169	.142	-1.133
220	11	-.286	.108	.032	-.847
220	12	-.231	.135	.172	-.930
220	13	-.332	.123	.078	-.832
220	14	-.270	.112	.028	-.857
220	15	-.354	.108	.004	-.893
220	101	-.329	.126	.097	-.881
220	102	-.265	.139	.162	-.817
220	103	-.253	.129	.107	-.807
220	104	-.252	.129	.138	-.750
220	105	-.326	.118	.037	-.995
220	106	-.273	.132	.115	-.975
220	107	-.270	.128	.100	-.936

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
220	108	-.262	.122	.108	-.766
220	109	-.340	.114	.067	-.991
220	110	-.303	.126	.122	-.858
220	111	-.319	.102	-.011	-.865
220	112	-.310	.129	.135	-.865
220	113	-.277	.138	.146	-.918
220	114	-.309	.113	.109	-.761
220	115	-.250	.123	.156	-.691
220	116	-.256	.125	.139	-.783
220	117	-.249	.117	.144	-.715
220	118	-.346	.103	-.010	-.787
220	119	-.250	.111	.110	-.784
220	120	-.274	.110	.094	-.820
220	121	-.197	.102	.164	-.619
220	122	-.257	.093	.015	-.676
220	123	-.231	.117	.165	-1.042
220	124	-.227	.119	.119	-1.104
220	125	-.296	.106	.023	-.699
220	126	-.245	.116	.099	-.694
220	127	-.244	.116	.109	-.873
220	128	-.240	.116	.161	-1.012
220	129	-.299	.101	-.020	-.788
220	130	-.248	.108	.105	-.679
220	131	-.216	.096	.072	-.586
220	132	-.204	.095	.097	-.588
220	133	-.277	.096	.111	-.716
220	134	-.213	.103	.188	-.648
220	135	-.210	.095	.162	-.575
220	136	-.200	.094	.157	-.562
220	137	-.273	.089	.020	-.625
220	138	-.222	.099	.105	-.623
220	139	-.236	.103	.102	-.668
220	140	-.224	.100	.107	-.648
220	141	-.287	.086	.035	-.602
220	142	-.227	.092	.095	-.528
220	143	-.217	.091	.110	-.488
220	144	-.192	.090	.127	-.461
220	145	-.266	.088	.042	-.549
220	146	-.225	.112	.094	-.774
220	147	-.225	.108	.096	-.685
220	148	-.206	.098	.140	-.554
220	149	-.267	.085	.031	-.548
220	150	-.221	.095	.163	-.589
220	151	-.235	.096	.122	-.610
220	152	-.247	.101	.134	-.615
220	153	-.301	.088	-.034	-.618
220	154	-.241	.091	.051	-.569
220	155	-.244	.092	.056	-.599
220	156	-.216	.091	.067	-.546
220	157	-.278	.086	-.010	-.543

APPENDIX A -- PRESSURE DATA: CONFIGURATION A: ONE LOGAN SQUARE

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
220	158	-.216	.094	.074	-.538
220	159	-.227	.109	.096	-.888
220	160	-.216	.107	.122	-.816
220	161	-.263	.086	.040	-.527
220	162	-.202	.092	.111	-.499
220	163	-.230	.093	.101	-.566
220	164	-.231	.093	.113	-.562
220	165	-.323	.084	-.050	-.613
220	166	-.260	.090	.024	-.578
220	167	-.270	.088	-.008	-.579
220	168	-.264	.090	.018	-.647
220	169	-.327	.094	-.010	-.679
220	170	-.253	.101	.102	-.614
220	171	-.257	.101	.093	-.622
220	172	-.234	.117	.129	-1.106
220	173	-.294	.093	-.008	-.638
220	174	-.223	.091	.061	-.559
220	175	-.234	.090	.063	-.524
220	176	-.251	.089	.023	-.551
220	177	-.312	.083	-.025	-.585
220	178	-.263	.091	.042	-.558
220	179	-.270	.090	.021	-.560
220	180	-.280	.093	.024	-.599
220	181	-.277	.096	.020	-.628
220	182	-.258	.104	.062	-.662
220	183	-.279	.108	.064	-.671
220	184	-.255	.106	.088	-.637
220	185	-.214	.096	.054	-.951
220	186	-.215	.103	.056	-1.008
220	187	-.233	.095	.039	-.651
220	188	-.199	.091	.074	-.516
220	189	-.224	.085	.055	-.540
220	190	-.229	.095	.084	-.597
220	191	-.260	.099	.076	-.655
220	192	-.236	.096	.079	-.614
220	193	-.243	.083	.012	-.568
220	194	-.260	.100	.049	-.725
220	195	-.282	.108	.073	-.831
220	196	-.255	.105	.075	-.658
220	197	-.226	.086	.018	-.557
220	198	-.219	.094	.112	-.558
220	199	-.208	.085	.086	-.532
220	200	-.230	.093	.116	-.653
220	201	-.225	.083	.061	-.500
220	202	-.236	.096	.086	-.571
220	203	-.252	.097	.055	-.578
220	204	-.207	.091	.097	-.495
220	205	-.197	.079	.167	-.466
220	206	-.205	.090	.220	-.530
220	207	-.250	.124	.169	-.998

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
220	208	-.230	.123	.179	-1.013
220	209	-.298	.111	.048	-1.005
220	210	-.213	.094	.056	-.568
220	211	-.247	.084	-.006	-.600
220	212	-.227	.091	.064	-.561
220	213	-.218	.092	.087	-.545
220	214	-.231	.111	.153	-.848
220	215	-.275	.099	.021	-.698
220	216	-.186	.100	.176	-.648
220	217	-.167	.081	.126	-.454
220	218	-.176	.092	.150	-.545
220	219	-.196	.091	.126	-.490
220	220	-.206	.088	.077	-.494
220	221	-.214	.084	.054	-.501
220	222	-.219	.091	.060	-.518
220	223	-.260	.093	.019	-.569
220	224	-.234	.090	.052	-.517
220	225	-.001	.095	.326	-.325
220	301	-.171	.093	.158	-.718
220	302	-.137	.109	.243	-.831
220	303	-.193	.152	.382	-1.257
220	304	-.193	.305	.572	-1.534
220	305	-.222	.274	.521	-1.786
220	306	-.117	.104	.228	-.591
220	307	-.052	.170	.433	-.787
220	308	-.172	.089	.149	-.685
220	309	-.123	.078	.222	-.466
220	310	-.033	.124	.405	-.655
220	311	-.189	.308	.732	-1.363
220	312	-.202	.291	.847	-1.402
220	313	-.131	.084	.142	-.436
220	314	-.097	.099	.255	-.464
220	315	-.018	.143	.501	-.851
220	316	-.080	.289	.719	-1.483
220	317	-.097	.246	.661	-1.084
220	318	-.125	.095	.199	-.481
220	319	-.112	.104	.260	-.485
220	320	.023	.130	.452	-.510
220	321	.021	.218	.845	-.941
220	322	-.008	.251	.989	-1.087
220	323	-.168	.099	.220	-.555
220	324	-.087	.104	.319	-.528
220	325	.050	.111	.473	-.375
220	326	.062	.167	.680	-.806
220	327	.019	.182	.685	-.912
220	328	-.159	.091	.211	-.542
220	329	-.066	.095	.280	-.375
220	330	.054	.125	.534	-.345
220	331	.062	.145	.764	-.554
220	332	.071	.140	.664	-.411

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
220	333	-.156	.096	.204	-.457
220	334	-.094	.097	.285	-.401
220	335	.003	.088	.358	-.272
220	336	.063	.125	.652	-.419
220	337	.050	.131	.700	-.640
220	338	-.044	.093	.312	-.355
220	339	-.028	.083	.320	-.285
220	340	-.019	.095	.321	-.338
220	341	.008	.104	.449	-.313
220	342	-.011	.099	.434	-.366
220	343	-.005	.085	.291	-.271
220	344	.010	.097	.349	-.286
220	345	.040	.124	.532	-.621
220	346	.061	.136	.638	-.410
220	401	.301	.199	1.029	-.423
220	402	.254	.210	.950	-.448
220	403	.199	.175	.770	-.362
220	404	.118	.167	.652	-.405
220	405	.171	.173	.800	-.350
220	406	.086	.186	1.082	-.502
220	407	.076	.163	.722	-.442
220	408	-.116	.134	.518	-.614
220	409	-.345	.179	.120	-1.199
220	410	-.417	.189	.052	-1.602
220	411	.280	.210	.965	-.403
220	412	.252	.186	.804	-.405
220	413	.267	.191	.903	-.257
220	414	.063	.184	.696	-.512
220	415	.091	.167	.630	-.418
220	416	.020	.148	.638	-.449
220	417	-.058	.137	.437	-.668
220	418	-.325	.139	.077	-1.117
220	419	-.241	.126	.118	-.897
220	420	.134	.184	.743	-.526
220	421	.231	.189	.822	-.342
220	422	.143	.179	.739	-.354
220	423	.164	.152	.668	-.349
220	424	.079	.151	.658	-.352
220	425	.104	.153	.780	-.303
220	426	-.009	.160	.767	-.463
220	427	-.124	.118	.447	-.565
220	428	-.294	.114	.046	-1.056
220	429	-.215	.119	.148	-1.058
220	430	.018	.182	.758	-.772
220	431	.102	.149	.644	-.635
220	432	-.004	.119	.500	-.489
220	433	-.027	.120	.542	-.443
220	434	-.072	.126	.435	-.498
220	435	-.031	.120	.433	-.413
220	436	-.104	.104	.357	-.489

APPENDIX A -- PRESSURE DATA: CONFIGURATION A: ONE LOGAN SQUARE

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
220	437	-.149	.103	.211	-.529
220	438	-.305	.120	.067	-.887
220	439	-.008	.148	.526	-.678
220	440	-.055	.130	.348	-.577
220	441	-.013	.108	.407	-.381
220	442	-.120	.113	.253	-.510
220	443	-.073	.105	.265	-.404
220	444	-.141	.090	.149	-.455
220	445	-.094	.096	.293	-.409
220	446	-.272	.106	.167	-.760
220	447	-.237	.119	-.120	-.913
220	448	-.291	.099	-.001	-.907
220	449	-.054	.144	.418	-.799
220	450	-.104	.139	.351	-.925
220	451	-.028	.099	.324	-.420
220	452	-.101	.084	.187	-.392
220	453	-.042	.089	.298	-.359
220	454	-.147	.095	.180	-.478
220	455	-.108	.086	.194	-.405
220	456	-.258	.086	-.001	-.712
220	457	-.215	.108	.091	-1.212
220	458	-.154	.157	.388	-.800
220	459	-.038	.116	.354	-.563
220	460	-.059	.098	.306	-.597
220	461	.027	.109	.425	-.582
220	462	-.030	.127	.457	-.475
220	463	-.019	.122	.583	-.465
220	464	-.128	.095	.211	-.441
220	465	-.179	.099	.147	-.978
220	466	-.317	.129	.063	-1.299
220	467	-.243	.136	.151	-1.236
220	468	-.186	.100	.153	-.558
220	469	-.118	.097	.203	-.445
220	470	-.250	.109	.112	-.885
220	471	-.214	.115	.146	-1.034
220	472	-.014	.099	.373	-.374
220	473	.052	.101	.465	-.299
220	474	-.025	.109	.411	-.356
220	475	.060	.109	.510	-.309
220	476	.095	.143	.708	-.308
220	477	.076	.139	.667	-.324
220	478	-.160	.100	.245	-.535
220	479	-.222	.119	.118	-.828
220	501	-.165	.083	.094	-.435
220	502	-.351	.124	.057	-.885
220	503	-.186	.092	.174	-.480
220	504	-.162	.091	.138	-.487
220	505	-.122	.076	.116	-.385
220	506	-.144	.090	.125	-.469
220	507	-.187	.103	.124	-.744

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
220	508	-.194	.104	.167	-.933
220	509	-.192	.092	.106	-.691
220	510	-.184	.101	.167	-.680
220	511	-.154	.087	.157	-.537
220	512	-.128	.085	.150	-.414
220	513	-.104	.075	.195	-.356
220	514	-.125	.089	.249	-.416
220	515	-.161	.091	.213	-.474
220	516	-.175	.094	.221	-.523
220	517	-.186	.081	.072	-.475
220	518	-.198	.093	.109	-.522
220	519	-.152	.090	.169	-.520
220	520	-.120	.086	.179	-.393
220	521	-.095	.075	.137	-.397
220	522	-.110	.085	.143	-.481
220	523	-.149	.086	.123	-.452
220	524	-.151	.088	.175	-.440
220	525	-.168	.082	.120	-.463
220	526	-.180	.097	.156	-.520
220	601	-.108	.126	.668	-1.060
220	602	-.124	.098	.355	-.583
220	603	-.036	.094	.358	-.375
220	604	.041	.147	.736	-.644
220	605	-.196	.091	.120	-.513
220	606	-.116	.090	.230	-.417
220	607	-.120	.107	.215	-.597
220	608	-.116	.106	.265	-.619
220	609	-.058	.083	.374	-.411
220	610	-.153	.097	.184	-.678
220	611	-.057	.075	.184	-.617
220	612	.067	.095	.330	-.487
220	613	-.167	.085	.201	-.540
220	614	-.168	.097	.160	-.509
220	615	-.115	.077	.136	-.375
220	616	-.154	.093	.301	-.474
220	617	-.229	.090	.068	-.531
220	618	-.217	.091	.075	-.863
220	619	-.165	.078	.129	-.482
220	620	.221	.100	.111	-.702
220	621	-.139	.094	.155	-.494
220	622	-.146	.095	.315	-.497
220	623	-.131	.085	.129	-.480
220	624	-.177	.093	.119	-.536
220	625	-.239	.101	.074	-.667
220	626	-.217	.104	.155	-.558
220	627	-.219	.104	.455	-.744
220	702	-.243	.101	.616	-.709
220	703	.065	.141	.616	-.709
220	704	-.222	.097	.113	-.681
220	705	-.294	.081	.037	-.577

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
220	706	-.282	.100	.092	-.656
220	707	-.166	.087	.129	-.456
220	708	-.236	.098	.062	-.742
220	709	-.209	.082	.023	-.560
220	710	-.223	.099	.233	-.637
220	711	.005	.154	.586	-.698
220	712	-.245	.090	.046	-.543
220	713	-.264	.083	-.005	-.599
220	714	-.172	.094	.216	-.471
220	715	-.145	.093	.199	-.471
220	716	-.236	.105	.087	-.643
220	717	-.211	.090	.070	-.712
220	718	-.169	.110	.237	-.605
220	719	-.002	.138	.637	-.395
220	720	-.205	.092	.095	-.522
220	721	-.196	.102	.208	-.721
220	722	-.231	.089	.058	-.547
220	723	-.281	.097	.013	-.624
220	724	-.233	.092	.095	-.533
220	725	-.197	.079	.102	-.477
220	726	-.155	.096	.347	-.504
220	727	-.221	.103	.204	-.675
220	728	-.170	.125	.627	-.709
220	729	-.118	.154	.668	-.669
220	801	-.220	.097	.083	-.574
220	802	-.211	.111	.217	-.869
220	803	-.215	.092	.138	-.680
220	804	-.166	.096	.170	-.538
220	805	-.134	.134	.165	-1.018
220	806	-.161	.108	.202	-.557
220	807	-.178	.108	.124	-.478
220	808	-.144	.091	.155	-.446
220	809	-.145	.099	.318	-.943
220	810	-.161	.099	.209	-.661
220	811	-.131	.087	.149	-.444
220	812	-.144	.088	.198	-.456
220	813	-.138	.088	.140	-.488
220	814	-.152	.098	.052	-.642
220	815	-.115	.098	.018	-.715
220	816	-.155	.095	.004	-.682
220	817	-.099	.099	.000	-.672
220	818	-.155	.085	.004	-.599
220	819	-.145	.094	.027	-.569
220	820	-.102	.095	.095	-.597
220	821	-.103	.077	.008	-.574
220	822	-.168	.108	.004	-.584
220	823	-.103	.092	.245	-.568
220	824	-.241	.176	.176	-.515
220	825	-.241	.114	.114	-.692

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
220	904	-.199	.085	.151	-.502
220	905	-.176	.092	.067	-.691
220	906	-.187	.116	.256	-.732
220	907	-.147	.099	.229	-.558
220	908	-.201	.080	.040	-.594
220	909	-.185	.095	.105	-.660
220	910	-.049	.118	.424	-.500
220	911	-.166	.178	.362	-1.098
220	912	-.192	.097	.252	-.538
220	913	-.245	.106	.120	-.637
220	914	-.243	.098	.138	-.793
220	915	-.222	.093	.147	-.599
220	916	-.207	.078	.047	-.674
220	917	-.294	.093	.010	-.599
220	918	-.200	.091	.110	-.476
220	919	-.131	.088	.196	-.394
220	920	-.025	.111	.413	-.405
220	921	-.203	.093	.113	-.566
220	922	-.234	.110	.095	-.846
220	923	-.211	.093	.074	-.617
220	924	-.236	.081	.033	-.510
220	925	-.199	.096	.136	-.524
220	1001	-.190	.092	.097	-.661
220	1002	-.186	.100	.117	-.770
220	1003	-.225	.122	.124	-1.021
220	1004	-.180	.098	.105	-.703
220	1005	-.203	.077	.076	-.481
230	1	-.425	.201	.173	-1.346
230	2	-.353	.185	.087	-1.345
230	3	-.383	.153	.135	-1.040
230	4	-.270	.161	.260	-1.148
230	5	-.476	.171	.072	-1.325
230	6	-.481	.186	.184	-1.198
230	7	-.145	.144	.346	-.661
230	8	-.507	.167	.048	-1.172
230	9	-.306	.158	.268	-1.061
230	10	-.275	.142	.116	-1.224
230	11	-.294	.111	.013	-1.123
230	12	-.236	.136	.209	-.847
230	13	-.364	.131	.178	-.884
230	14	-.321	.130	.093	-.810
230	15	-.391	.111	-.014	-.900
230	101	-.233	.113	.138	-.768
230	102	-.241	.132	.177	-.851
230	103	-.260	.133	.129	-.968
230	104	-.249	.131	.141	-.898
230	105	-.234	.107	.078	-.666
230	106	-.253	.125	.141	-.787
230	107	-.266	.124	.106	-.799
230	108	-.264	.125	.125	-.929

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
230	109	-.298	.111	.047	-.787
230	110	-.314	.127	.082	-.871
230	111	-.394	.106	-.060	-.756
230	112	-.355	.118	.048	-.826
230	113	-.261	.125	.119	-.776
230	114	-.214	.099	.109	-.630
230	115	-.233	.114	.165	-.718
230	116	-.252	.117	.155	-.752
230	117	-.243	.115	.159	-.716
230	118	-.269	.102	.080	-.699
230	119	-.312	.115	.056	-.692
230	120	-.288	.110	.070	-.662
230	121	-.208	.100	.130	-.571
230	122	-.285	.099	.033	-.724
230	123	-.230	.112	.080	-.780
230	124	-.217	.111	.105	-.775
230	125	-.219	.097	.131	-.565
230	126	-.241	.114	.154	-.690
230	127	-.257	.115	.157	-.757
230	128	-.246	.122	.165	-.893
230	129	-.249	.114	.137	-.803
230	130	-.257	.107	.085	-.847
230	131	-.227	.093	.083	-.650
230	132	-.206	.091	.095	-.613
230	133	-.187	.080	.070	-.530
230	134	-.195	.091	.097	-.554
230	135	-.209	.085	.080	-.517
230	136	-.196	.087	.107	-.515
230	137	-.189	.087	.068	-.488
230	138	-.209	.102	.104	-.609
230	139	-.243	.108	.089	-.733
230	140	-.223	.105	.106	-.687
230	141	-.211	.081	.051	-.559
230	142	-.231	.094	.089	-.693
230	143	-.230	.088	.065	-.578
230	144	-.193	.085	.106	-.492
230	145	-.181	.084	.105	-.435
230	146	-.195	.101	.186	-.653
230	147	-.211	.101	.147	-.649
230	148	-.187	.093	.116	-.522
230	149	-.186	.080	.142	-.519
230	150	-.216	.094	.132	-.632
230	151	-.249	.096	.139	-.660
230	152	-.259	.098	.093	-.680
230	153	-.251	.081	.004	-.571
230	154	-.256	.086	.029	-.572
230	155	-.274	.088	.043	-.582
230	156	-.228	.086	.073	-.494
230	157	-.188	.080	.121	-.448
230	158	-.193	.093	.155	-.499

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
230	159	-.219	.099	.152	-.564
230	160	-.200	.097	.166	-.534
230	161	-.191	.079	.085	-.508
230	162	-.207	.089	.117	-.545
230	163	-.264	.091	.073	-.579
230	164	-.263	.092	.086	-.580
230	165	-.267	.082	.032	-.655
230	166	-.272	.092	.004	-.684
230	167	-.284	.087	.012	-.636
230	168	-.257	.086	.038	-.589
230	169	-.227	.083	.056	-.515
230	170	-.218	.093	.068	-.544
230	171	-.237	.095	.051	-.571
230	172	-.212	.090	.117	-.500
230	173	-.211	.090	.088	-.545
230	174	-.213	.099	.114	-.545
230	175	-.245	.103	.101	-.601
230	176	-.265	.099	.083	-.682
230	177	-.269	.084	.041	-.539
230	178	-.297	.101	.073	-.669
230	179	-.316	.101	.055	-.660
230	180	-.314	.096	.048	-.679
230	181	-.249	.082	.029	-.562
230	182	-.233	.088	.070	-.556
230	183	-.265	.092	.057	-.592
230	184	-.228	.089	.092	-.547
230	185	-.205	.082	.072	-.639
230	186	-.219	.089	.091	-.704
230	187	-.259	.091	.069	-.704
230	188	-.231	.090	.095	-.548
230	189	-.233	.080	.085	-.544
230	190	-.252	.092	.120	-.663
230	191	-.298	.096	.101	-.781
230	192	-.261	.091	.119	-.745
230	193	-.252	.086	.008	-.627
230	194	-.258	.094	.027	-.665
230	195	-.279	.099	.009	-.657
230	196	-.236	.096	.030	-.560
230	197	-.216	.087	.066	-.527
230	198	-.251	.100	.049	-.578
230	199	-.242	.093	.036	-.553
230	200	-.261	.096	.059	-.573
230	201	-.249	.082	.051	-.539
230	202	-.269	.095	.070	-.639
230	203	-.297	.096	.073	-.737
230	204	-.241	.090	.108	-.586
230	205	-.210	.083	.076	-.487
230	206	-.224	.095	.106	-.550
230	207	-.273	.109	.109	-.657
230	208	-.242	.109	.132	-.653

APPENDIX A -- PRESSURE DATA: CONFIGURATION A: ONE LOGAN SQUARE

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
230	209	-.319	.105	.012	-.744
230	210	-.226	.100	.063	-.577
230	211	-.292	.093	-.025	-.617
230	212	-.265	.094	-.000	-.651
230	213	-.216	.087	.063	-.587
230	214	-.224	.102	.116	-.614
230	215	-.298	.097	.047	-.709
230	216	-.190	.092	.135	-.514
230	217	-.162	.081	.119	-.546
230	218	-.176	.092	.137	-.618
230	219	-.223	.094	.076	-.611
230	220	-.220	.095	.093	-.630
230	221	-.218	.088	.096	-.490
230	222	-.237	.097	.123	-.549
230	223	-.322	.102	-.008	-.738
230	224	-.282	.098	.025	-.697
230	225	.040	.100	.411	-.315
230	301	-.119	.093	.188	-.481
230	302	-.073	.109	.287	-.514
230	303	.001	.131	.485	-.899
230	304	.100	.218	.625	-.958
230	305	.101	.222	.722	-.798
230	306	-.038	.101	.334	-.360
230	307	.109	.139	.632	-.439
230	308	-.156	.090	.181	-.446
230	309	-.082	.087	.187	-.459
230	310	.112	.128	.532	-.615
230	311	.180	.265	.946	-1.287
230	312	.185	.292	1.028	-1.126
230	313	-.093	.077	.159	-.330
230	314	-.034	.095	.292	-.334
230	315	.132	.138	.581	-.321
230	316	.248	.248	.961	-1.177
230	317	.213	.251	.909	-.737
230	318	-.093	.091	.262	-.450
230	319	-.069	.102	.335	-.427
230	320	.149	.130	.662	-.484
230	321	.279	.163	.812	-.654
230	322	.262	.206	.946	-.784
230	323	-.157	.091	.245	-.461
230	324	-.043	.093	.386	-.368
230	325	.164	.107	.534	-.159
230	326	.238	.159	.801	-.625
230	327	.202	.182	.923	-.676
230	328	-.151	.098	.223	-.484
230	329	-.037	.087	.277	-.332
230	330	.122	.125	.637	-.303
230	331	.170	.162	.773	-.466
230	332	.198	.163	.801	-.482
230	333	-.172	.095	.175	-.484

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
230	334	-.100	.094	.240	-.417
230	335	.038	.089	.319	-.247
230	336	.122	.131	.660	-.351
230	337	.115	.142	.662	-.382
230	338	-.009	.096	.321	-.353
230	339	.006	.080	.281	-.268
230	340	.031	.090	.301	-.289
230	341	.054	.097	.377	-.285
230	342	.029	.093	.372	-.289
230	343	.036	.087	.303	-.258
230	344	.074	.101	.385	-.270
230	345	.091	.126	.638	-.314
230	346	.105	.132	.709	-.289
230	401	.367	.180	1.096	-.385
230	402	.275	.183	.922	-.301
230	403	.174	.153	.764	-.326
230	404	.134	.135	.653	-.315
230	405	.174	.146	.732	-.348
230	406	.082	.157	.675	-.426
230	407	.070	.142	.696	-.560
230	408	-.143	.108	.258	-.547
230	409	-.288	.140	.108	-1.165
230	410	-.374	.151	.155	-1.459
230	411	-.377	.186	1.001	-.439
230	412	-.372	.174	.938	-.223
230	413	-.305	.158	1.099	-.253
230	414	-.068	.154	.596	-.469
230	415	-.093	.139	.617	-.387
230	416	-.003	.126	.577	-.445
230	417	-.078	.117	.387	-.524
230	418	-.307	.123	.066	-.876
230	419	-.215	.111	.130	-.760
230	420	.360	.169	.946	-.417
230	421	.393	.166	.957	-.371
230	422	.229	.153	.771	-.216
230	423	.219	.134	.731	-.190
230	424	.139	.127	.708	-.261
230	425	.147	.139	.799	-.302
230	426	.018	.148	.572	-.372
230	427	-.120	.110	.265	-.494
230	428	-.268	.099	.035	-.649
230	429	-.197	.104	.183	-.584
230	430	.230	.213	.923	-1.087
230	431	.279	.172	.905	-.816
230	432	.136	.125	.595	-.947
230	433	.128	.121	.546	-.920
230	434	.013	.127	.506	-.979
230	435	.039	.115	.465	-.938
230	436	-.049	.099	.301	-.967
230	437	-.144	.098	.215	-.901

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
230	438	-.305	.110	.417	-.810
230	439	-.173	.180	.535	-.535
230	440	-.127	.143	.524	-.524
230	441	-.107	.116	.264	-.264
230	442	-.019	.106	.368	-.368
230	443	-.016	.096	.328	-.328
230	444	-.072	.089	.391	-.391
230	445	-.056	.094	.450	-.450
230	446	-.268	.099	.161	-.619
230	447	-.224	.100	.234	-.878
230	448	-.280	.095	.039	-.686
230	449	-.093	.169	.670	-.672
230	450	-.038	.156	.595	-.592
230	451	-.068	.105	.461	-.339
230	452	-.082	.090	.322	-.369
230	453	-.037	.095	.386	-.348
230	454	-.094	.100	.261	-.486
230	455	-.067	.089	.264	-.413
230	456	-.249	.085	.037	-.545
230	457	-.200	.097	.113	-.621
230	458	-.004	.150	.546	-.936
230	459	-.085	.120	.519	-.459
230	460	-.035	.098	.343	-.247
230	461	-.036	.096	.302	-.430
230	462	-.020	.116	.543	-.387
230	463	-.056	.112	.462	-.343
230	464	-.104	.092	.192	-.399
230	465	-.175	.091	.117	-.542
230	466	-.303	.114	.055	-.108
230	467	-.221	.129	.125	-.315
230	468	-.215	.099	.227	-.590
230	469	-.125	.097	.217	-.460
230	470	-.274	.107	.079	-.759
230	471	-.237	.112	.123	-.879
230	472	-.260	.099	.595	-.257
230	473	-.125	.103	.621	-.276
230	474	-.054	.111	.619	-.348
230	475	-.129	.107	1.032	-.224
230	476	-.137	.134	.679	-.210
230	477	-.107	.134	.652	-.280
230	478	-.195	.100	.147	-.540
230	479	-.233	.108	.089	-.688
230	501	-.206	.078	.111	-.506
230	502	-.416	.116	.050	-.836
230	503	-.218	.091	.114	-.528
230	504	-.189	.089	.144	-.509
230	505	-.168	.080	.126	-.442
230	506	-.191	.094	.118	-.545
230	507	-.232	.104	.130	-.675
230	508	-.24	.111	.159	-.736

APPENDIX A -- PRESSURE DATA: CONFIGURATION A: ONE LOGAN SQUARE

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
230	509	-.267	.101	.091	-.727
230	510	-.256	.109	.117	-.712
230	511	-.171	.095	.156	-.504
230	512	-.137	.091	.208	-.434
230	513	-.122	.078	.106	-.432
230	514	-.136	.088	.149	-.458
230	515	-.194	.089	.094	-.492
230	516	-.220	.094	.065	-.564
230	517	-.241	.100	.048	-.623
230	518	-.249	.115	.087	-.694
230	519	-.169	.100	.210	-.718
230	520	-.126	.091	.173	-.454
230	521	-.110	.079	.190	-.435
230	522	-.125	.090	.179	-.487
230	523	-.169	.095	.160	-.527
230	524	-.167	.097	.221	-.569
230	525	-.193	.085	.081	-.537
230	526	-.209	.106	.099	-.648
230	601	-.088	.111	.381	-.537
230	602	-.138	.097	.195	-.593
230	603	-.030	.083	.372	-.442
230	604	-.028	.151	.651	-.600
230	605	-.216	.097	.087	-.581
230	606	-.108	.084	.244	-.377
230	607	-.147	.122	.193	-.704
230	608	-.119	.104	.218	-.659
230	609	-.032	.095	.294	-.390
230	610	-.185	.086	.091	-.501
230	611	-.034	.075	.238	-.282
230	612	-.061	.097	.292	-.391
230	613	-.186	.110	.478	-.694
230	614	-.193	.098	.192	-.516
230	615	-.128	.077	.140	-.400
230	616	-.160	.093	.189	-.457
230	617	-.251	.091	.099	-.578
230	618	-.235	.092	.138	-.569
230	619	-.181	.089	.164	-.481
230	620	-.248	.108	.134	-.608
230	621	-.130	.101	.220	-.492
230	622	-.140	.114	.293	-.525
230	623	-.127	.085	.167	-.487
230	624	-.194	.085	.100	-.455
230	625	-.260	.094	.077	-.615
230	626	-.236	.095	.136	-.569
230	701	.080	.113	.571	-.289
230	702	-.263	.108	.081	-.762
230	703	.192	.152	.877	-.384
230	704	-.247	.099	.109	-.620
230	705	-.344	.098	-.037	-.705
230	706	-.339	.107	.105	-.856

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
230	707	-.173	.093	.135	-.581
230	708	-.257	.107	.069	-.691
230	709	-.221	.078	.015	-.599
230	710	-.237	.093	.045	-.668
230	711	-.137	.138	.660	-.385
230	712	-.258	.090	.057	-.569
230	713	-.303	.088	-.038	-.664
230	714	-.176	.099	.153	-.551
230	715	-.133	.097	.242	-.522
230	716	-.265	.097	.023	-.688
230	717	-.233	.089	.068	-.610
230	718	-.223	.117	.298	-.850
230	719	-.113	.128	.572	-.301
230	720	-.216	.091	.097	-.519
230	721	-.225	.091	.068	-.711
230	722	-.266	.092	.029	-.630
230	723	-.325	.106	.008	-.951
230	724	-.248	.097	.086	-.673
230	725	-.211	.083	.040	-.494
230	726	-.144	.098	.175	-.624
230	727	-.257	.101	.106	-.682
230	728	-.218	.091	.226	-.575
230	729	-.185	.147	.586	-.620
230	801	-.253	.100	.086	-.620
230	802	-.250	.103	.111	-.620
230	803	-.239	.096	.038	-.635
230	804	-.185	.093	.113	-.628
230	805	-.258	.136	.157	-.984
230	806	-.177	.108	.126	-.626
230	807	-.169	.085	.185	-.460
230	808	-.156	.104	.220	-.544
230	809	-.216	.155	.391	-1.138
230	810	-.188	.112	.186	-.731
230	811	-.152	.085	.152	-.504
230	812	-.161	.096	.145	-.556
230	813	-.160	.096	.115	-.519
230	814	-.356	.106	-.021	-.747
230	815	-.368	.105	-.038	-.800
230	816	-.324	.101	-.013	-.688
230	817	-.365	.104	-.022	-.749
230	818	-.304	.102	.015	-.640
230	819	-.282	.097	.075	-.596
230	820	-.282	.099	.095	-.604
230	821	-.282	.100	.087	-.615
230	822	-.284	.099	.067	-.587
230	823	-.261	.086	.045	-.609
230	901	-.120	.106	.266	-.478
230	902	-.217	.101	.123	-.786
230	903	-.245	.152	.303	-.901
230	904	-.237	.090	.064	-.683

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
230	905	-.203	.093	.107	-.532
230	906	-.200	.113	.125	-.644
230	907	-.141	.101	.223	-.512
230	908	-.225	.081	.024	-.516
230	909	-.218	.103	.090	-.803
230	910	-.007	.127	.567	-.457
230	911	-.067	.151	.444	-.945
230	912	-.172	.107	.265	-.544
230	913	-.261	.108	.070	-.710
230	914	-.264	.097	.077	-.583
230	915	-.236	.096	.073	-.569
230	916	-.223	.080	.025	-.546
230	917	-.307	.100	.016	-.700
230	918	-.212	.103	.196	-.582
230	919	-.126	.093	.230	-.440
230	920	.125	.113	.604	-.222
230	921	-.205	.095	.114	-.524
230	922	-.236	.105	.113	-.785
230	923	-.226	.095	.104	-.549
230	924	-.221	.085	.016	-.587
230	925	-.214	.101	.093	-.638
230	926	-.203	.085	.083	-.502
230	927	-.183	.089	.126	-.519
230	1002	-.276	.109	.099	-.713
230	1003	-.176	.089	.111	-.499
230	1004	-.241	.081	.021	-.323
230	1005	-.355	.173	.109	-1.518
240	1	-.261	.146	.129	-1.029
240	2	-.341	.134	.060	-1.105
240	3	-.264	.149	.217	-1.044
240	4	-.414	.146	.005	-1.106
240	5	-.469	.191	.111	-1.140
240	6	-.157	.137	.314	-.681
240	7	-.438	.150	.026	-.993
240	8	-.298	.137	.414	-.921
240	9	-.228	.121	.203	-.678
240	10	-.263	.106	.158	-.724
240	11	-.206	.124	.198	-.705
240	12	-.360	.140	.112	-.891
240	13	-.310	.127	.300	-.816
240	14	-.362	.106	.046	-.850
240	15	-.202	.103	.159	-.809
240	101	-.253	.117	.234	-.923
240	102	-.253	.120	.153	-.919
240	103	-.233	.120	.210	-.976
240	104	-.213	.100	.094	-.706
240	105	-.225	.119	.103	-.802
240	106	-.256	.122	.086	-.815
240	107	-.262	.125	.122	-.908
240	108	-.314	.115	.047	-.717
240	109	-.314	.115	.047	-.717

APPENDIX A -- PRESSURE DATA: CONFIGURATION A: ONE LOGAN SQUARE

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
240	110	-.257	.130	-.142	-.855
240	111	-.397	.093	-.061	-.743
240	112	-.345	.117	-.016	-.864
240	113	-.222	.119	.144	-.849
240	114	-.201	.098	.115	-.516
240	115	-.219	.119	.167	-.898
240	116	-.248	.118	.143	-.731
240	117	-.240	.118	.149	-.783
240	118	-.257	.101	.098	-.662
240	119	-.306	.105	.031	-.650
240	120	-.262	.105	.101	-.703
240	121	-.183	.097	.151	-.592
240	122	-.269	.094	.053	-.602
240	123	-.221	.110	.137	-.794
240	124	-.207	.113	.107	-.742
240	125	-.191	.099	.151	-.689
240	126	-.208	.120	.192	-.751
240	127	-.238	.126	.179	-.824
240	128	-.255	.144	.274	-1.009
240	129	-.290	.116	.127	-.824
240	130	-.248	.096	.103	-.612
240	131	-.239	.091	.091	-.570
240	132	-.213	.089	.116	-.529
240	133	-.158	.083	.172	-.412
240	134	-.161	.094	.220	-.446
240	135	-.192	.093	.191	-.497
240	136	-.182	.093	.194	-.529
240	137	-.177	.090	.108	-.530
240	138	-.195	.106	.139	-.643
240	139	-.248	.115	.099	-.766
240	140	-.222	.110	.107	-.702
240	141	-.229	.093	.073	-1.067
240	142	-.251	.102	.056	-.677
240	143	-.246	.096	.064	-.585
240	144	-.202	.092	.103	-.547
240	145	-.179	.081	.133	-.436
240	146	-.161	.094	.190	-.465
240	147	-.187	.097	.175	-.501
240	148	-.169	.092	.172	-.481
240	149	-.166	.080	.088	-.445
240	150	-.198	.093	.088	-.541
240	151	-.243	.097	.070	-.621
240	152	-.253	.100	.088	-.663
240	153	-.241	.084	.034	-.522
240	154	-.238	.088	.057	-.515
240	155	-.264	.090	.037	-.566
240	156	-.218	.088	.076	-.517
240	157	-.192	.080	.105	-.462
240	158	-.196	.092	.139	-.505
240	159	-.218	.094	.091	-.566

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
240	160	-.199	.092	.105	-.537
240	161	-.188	.078	.079	-.520
240	162	-.209	.091	.115	-.571
240	163	-.278	.096	.060	-.641
240	164	-.278	.095	.045	-.627
240	165	-.279	.088	-.002	-.562
240	166	-.282	.098	.040	-.615
240	167	-.303	.097	.008	-.636
240	168	-.284	.098	.047	-.656
240	169	-.220	.082	.051	-.537
240	170	-.213	.092	.095	-.571
240	171	-.238	.094	.079	-.607
240	172	-.211	.090	.073	-.563
240	173	-.197	.081	.101	-.450
240	174	-.201	.090	.136	-.458
240	175	-.238	.094	.134	-.503
240	176	-.257	.092	.064	-.583
240	177	-.246	.084	-.002	-.530
240	178	-.271	.096	.027	-.608
240	179	-.299	.097	.016	-.612
240	180	-.295	.101	.022	-.720
240	181	-.251	.089	-.002	-.564
240	182	-.248	.094	.032	-.599
240	183	-.301	.093	-.014	-.666
240	184	-.247	.095	.029	-.591
240	185	-.191	.088	.091	-.466
240	186	-.208	.096	.100	-.513
240	187	-.269	.101	.060	-.591
240	188	-.216	.099	.132	-.566
240	189	-.222	.085	.054	-.525
240	190	-.242	.097	.064	-.591
240	191	-.312	.103	.022	-.688
240	192	-.260	.097	.094	-.606
240	193	-.229	.085	.074	-.581
240	194	-.259	.098	.109	-.741
240	195	-.299	.103	.048	-.727
240	196	-.241	.099	.098	-.644
240	197	-.216	.088	.083	-.524
240	198	-.230	.097	.085	-.583
240	199	-.231	.089	.067	-.598
240	200	-.252	.095	.023	-.580
240	201	-.234	.088	.048	-.527
240	202	-.258	.101	.056	-.612
240	203	-.309	.106	.034	-.667
240	204	-.277	.093	.079	-.561
240	205	-.217	.087	.082	-.564
240	206	-.235	.091	.109	-.595
240	207	-.296	.110	.087	-.796
240	208	-.247	.106	.117	-.659
240	209	-.312	.100	.040	-.705

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
240	210	-.239	.092	.041	-.604
240	211	-.310	.096	-.062	-.608
240	212	-.253	.094	.075	-.647
240	213	-.211	.085	.025	-.495
240	214	-.221	.089	.070	-.554
240	215	-.285	.094	.015	-.736
240	216	-.195	.095	.135	-.571
240	217	-.159	.082	.091	-.560
240	218	-.177	.093	.116	-.618
240	219	-.241	.097	.088	-.686
240	220	-.232	.097	.118	-.696
240	221	-.215	.089	.093	-.520
240	222	-.231	.095	.097	-.550
240	223	-.327	.100	.011	-.629
240	224	-.271	.094	.061	-.553
240	225	-.018	.097	.360	-.353
240	301	-.074	.102	.362	-.472
240	302	-.021	.118	.485	-.504
240	303	-.049	.141	.601	-.503
240	304	-.232	.168	.769	-.607
240	305	-.260	.163	.752	-.463
240	306	-.016	.115	.443	-.312
240	307	-.171	.146	.728	-.221
240	308	-.140	.102	.219	-.504
240	309	-.041	.097	.337	-.377
240	310	-.192	.141	.697	-.265
240	311	-.339	.204	1.174	-.640
240	312	-.381	.218	1.162	-.559
240	313	-.067	.091	.226	-.366
240	314	-.015	.110	.395	-.339
240	315	-.195	.141	.727	-.250
240	316	-.367	.177	1.030	-.677
240	317	-.382	.171	.923	-.369
240	318	-.076	.097	.296	-.408
240	319	-.055	.110	.387	-.423
240	320	-.201	.131	.724	-.215
240	321	-.296	.147	.869	-.404
240	322	-.284	.182	.948	-.393
240	323	-.184	.099	.191	-.503
240	324	-.059	.099	.362	-.359
240	325	-.173	.116	.569	-.206
240	326	-.263	.162	.856	-.368
240	327	-.223	.187	.873	-.423
240	328	-.161	.100	.298	-.480
240	329	-.058	.083	.251	-.297
240	330	-.091	.108	.535	-.271
240	331	-.135	.143	.589	-.421
240	332	-.176	.150	.701	-.313
240	333	-.197	.093	.150	-.540
240	334	-.121	.090	.233	-.451

APPENDIX A -- PRESSURE DATA: CONFIGURATION A: ONE LOGAN SQUARE

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
240	335	.018	.087	.339	-.302
240	336	.083	.133	.515	-.463
240	337	.057	.158	.566	-.525
240	338	-.033	.092	.262	-.347
240	339	-.019	.082	.225	-.308
240	340	.005	.093	.304	-.303
240	341	.021	.101	.342	-.311
240	342	-.002	.094	.301	-.308
240	343	.007	.088	.310	-.329
240	344	.041	.102	.435	-.339
240	345	.003	.116	.584	-.430
240	346	.004	.117	.676	-.441
240	401	.249	.213	.824	-1.091
240	402	.155	.180	.675	-.679
240	403	.089	.113	.467	-.232
240	404	.022	.106	.420	-.342
240	405	.078	.111	.523	-.346
240	406	-.024	.116	.444	-.465
240	407	-.009	.106	.431	-.378
240	408	-.160	.100	.208	-.508
240	409	-.223	.125	.207	-.830
240	410	-.328	.138	.122	-1.098
240	411	.340	.226	.992	-.495
240	412	.277	.187	.819	-.595
240	413	.234	.128	.779	-.219
240	414	-.007	.119	.439	-.428
240	415	-.029	.107	.433	-.317
240	416	-.043	.095	.367	-.366
240	417	-.092	.096	.254	-.456
240	418	-.272	.105	.101	-.725
240	419	-.177	.094	.134	-.662
240	420	.287	.203	.913	-.413
240	421	.328	.189	.920	-.531
240	422	.184	.148	.669	-.353
240	423	.192	.126	.619	-.188
240	424	.132	.108	.506	-.180
240	425	.138	.110	.628	-.191
240	426	-.003	.118	.723	-.389
240	427	-.120	.092	.327	-.403
240	428	-.223	.083	.042	-.518
240	429	-.161	.089	.173	-.494
240	430	.226	.223	.910	-.597
240	431	.287	.185	.861	-.587
240	432	.163	.120	.554	-.204
240	433	.156	.114	.619	-.208
240	434	.038	.117	.432	-.349
240	435	.067	.103	.444	-.284
240	436	-.021	.088	.329	-.341
240	437	-.117	.088	.162	-.408
240	438	-.275	.097	.044	-.616
240	439	.228	.178	.860	-.428
240	440	.169	.153	.778	-.444
240	441	.157	.113	.633	-.197
240	442	.023	.111	.414	-.335
240	443	.057	.099	.386	-.260
240	444	-.021	.086	.301	-.387
240	445	-.016	.090	.341	-.430
240	446	-.247	.096	.059	-.696
240	447	-.194	.094	.127	-.615
240	448	-.256	.083	-.004	-.510
240	449	.204	.147	.691	-.533
240	450	.129	.144	.579	-.733
240	451	.130	.100	.538	-.196
240	452	.056	.097	.355	-.212
240	453	.068	.101	.384	-.220
240	454	-.071	.105	.256	-.373
240	455	-.042	.093	.254	-.338
240	456	-.221	.083	.044	-.503
240	457	-.189	.095	.111	-.519
240	458	.063	.154	.625	-.486
240	459	.139	.130	.632	-.347
240	460	.098	.099	.441	-.206
240	461	.121	.100	.497	-.201
240	462	-.004	.112	.387	-.367
240	463	.030	.104	.390	-.293
240	464	-.108	.085	.171	-.428
240	465	-.177	.092	.151	-.573
240	466	-.319	.104	.063	-.761
240	467	-.256	.107	.136	-.684
240	468	-.197	.092	.100	-.591
240	469	-.108	.098	.284	-.528
240	470	-.261	.109	.162	-.650
240	471	-.233	.109	.130	-.662
240	472	.071	.092	.487	-.271
240	473	.149	.102	.656	-.222
240	474	.091	.111	.472	-.349
240	475	.149	.101	.540	-.236
240	476	.106	.117	.524	-.304
240	477	.080	.114	.507	-.260
240	478	-.205	.095	.095	-.608
240	479	-.239	.110	.085	-.724
240	501	-.190	.080	.090	-.474
240	502	-.393	.124	-.028	-.848
240	503	-.203	.091	.117	-.504
240	504	-.179	.090	.138	-.469
240	505	-.157	.082	.114	-.419
240	506	-.182	.097	.141	-.642
240	507	-.226	.105	.124	-.623
240	508	-.240	.109	.087	-.647
240	509	-.278	.116	.108	-.793
240	510	-.284	.129	.057	-.760
240	511	-.149	.094	.143	-.530
240	512	-.125	.092	.168	-.460
240	513	-.142	.082	.179	-.419
240	514	-.139	.089	.190	-.434
240	515	-.198	.090	.132	-.542
240	516	-.235	.092	.062	-.513
240	517	-.261	.091	-.000	-.603
240	518	-.273	.101	.026	-.670
240	519	-.138	.089	.315	-.448
240	520	-.112	.085	.259	-.496
240	521	-.109	.079	.183	-.375
240	522	-.131	.091	.206	-.433
240	523	-.158	.093	.205	-.467
240	524	-.142	.101	.321	-.472
240	525	-.214	.079	.065	-.492
240	526	-.253	.095	.101	-.612
240	601	-.101	.103	.257	-.529
240	602	-.174	.093	.217	-.448
240	603	-.046	.076	.287	-.305
240	604	-.049	.151	.630	-.815
240	605	-.239	.090	.079	-.532
240	606	-.097	.078	.206	-.365
240	607	-.143	.114	.162	-.634
240	608	-.104	.099	.214	-.512
240	609	-.071	.090	.310	-.365
240	610	-.181	.084	.106	-.473
240	611	-.041	.078	.203	-.279
240	612	-.081	.098	.219	-.386
240	613	-.196	.110	.342	-.580
240	614	-.178	.095	.169	-.517
240	615	-.116	.076	.150	-.346
240	616	-.145	.093	.218	-.510
240	617	-.235	.091	.095	-.564
240	618	-.221	.088	.046	-.546
240	619	-.172	.078	.094	-.436
240	620	-.224	.090	.062	-.538
240	621	-.139	.088	.213	-.428
240	622	-.144	.101	.328	-.496
240	623	-.126	.082	.161	-.442
240	624	-.189	.082	.088	-.546
240	625	-.244	.087	.043	-.608
240	626	-.220	.085	.065	-.571
240	701	-.161	.116	.475	-.311
240	702	-.247	.096	.038	-.640
240	703	-.149	.155	.727	-.395
240	704	-.248	.102	-.081	-.634
240	705	-.302	.092	-.011	-.607
240	706	-.331	.113	.015	-.958
240	707	-.161	.097	.207	-.481

APPENDIX A -- PRESSURE DATA: CONFIGURATION A: ONE LOGAN SQUARE

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
240	708	-.220	.094	.135	-.601
240	709	-.213	.083	.037	-.480
240	710	-.226	.096	.060	-.624
240	711	.145	.142	.711	-.380
240	712	-.264	.097	.078	-.571
240	713	-.291	.085	-.032	-.612
240	714	-.173	.099	.168	-.521
240	715	-.136	.101	.300	-.517
240	716	-.242	.092	.046	-.608
240	717	-.202	.085	.092	-.580
240	718	-.176	.102	.169	-.557
240	719	.103	.134	.567	-.538
240	720	-.210	.091	.135	-.522
240	721	-.198	.082	.120	-.502
240	722	-.235	.090	.134	-.540
240	723	-.284	.097	.134	-.623
240	724	-.235	.095	.145	-.571
240	725	-.212	.086	.121	-.495
240	726	-.144	.097	.177	-.500
240	727	-.253	.097	.069	-.556
240	728	-.233	.080	-.001	-.507
240	729	-.209	.120	.243	-.873
240	801	-.260	.095	.038	-.636
240	802	-.250	.092	.050	-.575
240	803	-.245	.088	.045	-.630
240	804	-.175	.092	.151	-.527
240	805	-.254	.120	.095	-.768
240	806	-.149	.107	.182	-.595
240	807	-.147	.082	.094	-.430
240	808	-.129	.097	.150	-.503
240	809	-.156	.144	.433	-.617
240	810	-.148	.105	.197	-.579
240	811	-.109	.084	.157	-.410
240	812	-.128	.089	.141	-.421
240	813	-.130	.090	.145	-.454
240	814	-.361	.103	-.021	-.746
240	815	-.368	.109	-.034	-.796
240	816	-.323	.108	.011	-.690
240	817	-.370	.114	-.028	-.732
240	818	-.302	.106	.015	-.657
240	819	-.274	.090	-.003	-.563
240	820	-.267	.096	.005	-.641
240	821	-.284	.097	.018	-.615
240	822	-.259	.095	.006	-.627
240	823	-.255	.079	-.002	-.530
240	901	-.138	.106	.206	-.584
240	902	-.218	.098	.077	-.565
240	903	-.237	.149	.248	-.855
240	904	-.213	.092	.125	-.557
240	905	-.190	.095	.224	-.589

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
240	906	-.199	.103	.173	-.593
240	907	-.141	.096	.206	-.465
240	908	-.230	.086	.034	-.565
240	909	-.208	.095	.074	-.522
240	910	-.032	.122	.539	-.460
240	911	-.092	.148	.354	-.989
240	912	-.182	.112	.247	-.553
240	913	-.264	.101	.101	-.752
240	914	-.274	.096	.048	-.598
240	915	-.240	.091	.081	-.591
240	916	-.230	.078	.009	-.536
240	917	-.317	.103	.035	-.718
240	918	-.227	.103	.242	-.624
240	919	-.142	.090	.167	-.452
240	920	.128	.110	.511	-.241
240	921	-.207	.093	.100	-.532
240	922	-.246	.101	.057	-.610
240	923	-.236	.095	.069	-.635
240	924	-.247	.080	.027	-.515
240	925	-.200	.090	.134	-.542
240	1001	-.212	.085	.121	-.577
240	1002	-.189	.089	.191	-.518
240	1003	-.257	.113	.141	-.779
240	1004	-.183	.088	.214	-.504
240	1005	-.234	.080	.004	-.570
250	1	-.258	.145	.147	-1.429
250	2	-.176	.127	.177	-1.012
250	3	-.257	.116	.073	-.782
250	4	-.171	.134	.261	-.742
250	5	-.343	.135	.074	-.861
250	6	-.317	.200	.210	-1.191
250	7	-.246	.119	.163	-.684
250	8	-.360	.133	.045	-.991
250	9	-.246	.123	.110	-.738
250	10	-.168	.108	.150	-.627
250	11	-.213	.090	.059	-.557
250	12	-.163	.127	.353	-.894
250	13	-.357	.144	.255	-.939
250	14	-.282	.111	.074	-.827
250	15	-.341	.108	.064	-.718
250	101	-.144	.090	.159	-.579
250	102	-.153	.103	.205	-.665
250	103	-.193	.110	.157	-.786
250	104	-.199	.109	.169	-.664
250	105	-.191	.103	.125	-.664
250	106	-.211	.125	.159	-.781
250	107	-.243	.131	.197	-.785
250	108	-.264	.131	.165	-1.182
250	109	-.265	.117	.056	-.771
250	110	-.201	.112	.164	-.721

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
250	111	-.348	.097	-.053	-.773
250	112	-.301	.113	.040	-.726
250	113	-.161	.099	.161	-.504
250	114	-.147	.088	.112	-.537
250	115	-.186	.113	.123	-.702
250	116	-.210	.118	.109	-.697
250	117	-.229	.125	.125	-.812
250	118	-.217	.093	.098	-.615
250	119	-.258	.107	.082	-.684
250	120	-.209	.103	.127	-.580
250	121	-.134	.095	.187	-.455
250	122	-.212	.081	.138	-.554
250	123	-.171	.102	.150	-.571
250	124	-.175	.116	.256	-.760
250	125	-.165	.106	.175	-.597
250	126	-.204	.132	.260	-.794
250	127	-.235	.138	.175	-.910
250	128	-.284	.150	.149	-1.019
250	129	-.249	.106	.086	-.754
250	130	-.210	.096	.148	-.542
250	131	-.204	.096	.123	-.495
250	132	-.184	.094	.133	-.466
250	133	-.171	.078	.148	-.406
250	134	-.165	.090	.169	-.452
250	135	-.153	.090	.140	-.478
250	136	-.152	.092	.165	-.468
250	137	-.157	.086	.106	-.474
250	138	-.191	.102	.096	-.590
250	139	-.247	.113	.078	-.672
250	140	-.224	.108	.085	-.636
250	141	-.216	.089	.053	-.728
250	142	-.237	.098	.067	-.622
250	143	-.218	.093	.097	-.582
250	144	-.179	.090	.131	-.484
250	145	-.143	.089	.175	-.411
250	146	-.126	.089	.188	-.470
250	147	-.146	.092	.180	-.503
250	148	-.134	.089	.197	-.469
250	149	-.137	.073	.106	-.378
250	150	-.197	.089	.106	-.533
250	151	-.244	.094	.091	-.612
250	152	-.273	.102	.095	-.606
250	153	-.233	.093	.092	-.531
250	154	-.235	.098	.096	-.554
250	155	-.263	.102	.087	-.682
250	156	-.218	.099	.104	-.623
250	157	-.171	.084	.116	-.513
250	158	-.184	.095	.138	-.574
250	159	-.161	.090	.123	-.469
250	160	-.146	.088	.134	-.444

APPENDIX A -- PRESSURE DATA: CONFIGURATION A: ONE LOGAN SQUARE

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
250	161	-.117	.080	.118	-.377
250	162	-.157	.093	.134	-.446
250	163	-.219	.101	.111	-.522
250	164	-.221	.102	.129	-.513
250	165	-.225	.095	.108	-.640
250	166	-.241	.105	.140	-.707
250	167	-.276	.107	.102	-.668
250	168	-.279	.113	.100	-.808
250	169	-.222	.094	.175	-.597
250	170	-.221	.104	.178	-.634
250	171	-.241	.106	.170	-.652
250	172	-.161	.092	.233	-.458
250	173	-.133	.081	.148	-.444
250	174	-.145	.090	.193	-.513
250	175	-.184	.093	.161	-.518
250	176	-.207	.095	.135	-.622
250	177	-.195	.083	.119	-.533
250	178	-.226	.096	.177	-.605
250	179	-.250	.098	.169	-.626
250	180	-.272	.101	.096	-.594
250	181	-.256	.095	.054	-.619
250	182	-.253	.099	.076	-.530
250	183	-.315	.104	.038	-.648
250	184	-.255	.099	.077	-.567
250	185	-.145	.077	.154	-.442
250	186	-.158	.083	.167	-.470
250	187	-.219	.089	.123	-.539
250	188	-.163	.088	.162	-.513
250	189	-.174	.086	.130	-.494
250	190	-.190	.097	.144	-.542
250	191	-.263	.105	.100	-.656
250	192	-.206	.099	.140	-.587
250	193	-.179	.092	.111	-.515
250	194	-.237	.107	.090	-.671
250	195	-.320	.119	.016	-1.105
250	196	-.252	.109	.060	-.701
250	197	-.215	.093	.077	-.599
250	198	-.174	.095	.126	-.470
250	199	-.179	.087	.238	-.481
250	200	-.197	.097	.132	-.533
250	201	-.169	.088	.108	-.502
250	202	-.188	.102	.128	-.552
250	203	-.248	.107	.090	-.654
250	204	-.164	.090	.103	-.460
250	205	-.154	.081	.113	-.431
250	206	-.174	.093	.137	-.494
250	207	-.227	.101	.146	-.737
250	208	-.174	.097	.196	-.667
250	209	-.256	.093	.163	-.654
250	210	-.161	.091	.200	-.514

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
250	211	-.240	.087	.070	-.539
250	212	-.198	.087	.192	-.526
250	213	-.182	.089	.083	-.608
250	214	-.211	.115	.114	-.851
250	215	-.289	.106	.059	-1.203
250	216	-.138	.087	.163	-.439
250	217	-.107	.074	.206	-.350
250	218	-.122	.083	.220	-.389
250	219	-.184	.088	.179	-.484
250	220	-.174	.087	.107	-.460
250	221	-.167	.087	.163	-.448
250	222	-.174	.095	.221	-.526
250	223	-.246	.101	.116	-.622
250	224	-.188	.096	.157	-.527
250	225	.031	.096	.350	-.300
250	301	.002	.105	.357	-.373
250	302	.049	.123	.472	-.388
250	303	.100	.146	.591	-.378
250	304	.264	.158	.797	-.188
250	305	.301	.159	.935	-.280
250	306	.105	.131	.569	-.310
250	307	.242	.170	.873	-.287
250	308	-.066	.109	.427	-.446
250	309	.025	.099	.380	-.308
250	310	.255	.146	.838	-.166
250	311	.366	.186	1.149	-.191
250	312	.387	.180	1.162	-.227
250	313	.002	.096	.321	-.308
250	314	.075	.112	.475	-.304
250	315	.228	.156	.799	-.209
250	316	.345	.169	1.038	-.176
250	317	.375	.151	.919	-.132
250	318	-.019	.103	.335	-.349
250	319	.005	.121	.445	-.388
250	320	.243	.150	.832	-.207
250	321	.348	.161	.962	-.107
250	322	.316	.178	1.054	-.180
250	323	-.135	.107	.222	-.493
250	324	.008	.113	.424	-.375
250	325	.200	.130	.723	-.237
250	326	.256	.164	.875	-.288
250	327	.196	.176	.859	-.368
250	328	-.134	.098	.257	-.505
250	329	-.012	.098	.342	-.308
250	330	.118	.136	.584	-.225
250	331	.118	.161	.687	-.500
250	332	.148	.154	.721	-.407
250	333	-.169	.097	.134	-.536
250	334	.094	.095	.218	-.418
250	335	.036	.096	.431	-.310

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
250	336	.073	.133	.547	-.395
250	337	.043	.145	.526	-.490
250	338	-.011	.104	.355	-.426
250	339	-.002	.083	.316	-.255
250	340	.023	.093	.350	-.236
250	341	.028	.104	.416	-.261
250	342	.025	.103	.455	-.262
250	343	.026	.096	.477	-.329
250	344	.044	.109	.554	-.378
250	345	.003	.130	.494	-.528
250	346	.011	.132	.541	-.507
250	401	-.024	.231	.714	-.895
250	402	-.075	.229	.539	-1.068
250	403	-.002	.103	.472	-.418
250	404	-.044	.090	.363	-.337
250	405	.021	.096	.515	-.340
250	406	-.085	.103	.306	-.505
250	407	-.038	.093	.275	-.456
250	408	-.152	.091	.175	-.604
250	409	-.155	.113	.194	-.925
250	410	-.273	.126	.134	-1.111
250	411	.032	.266	.830	-.773
250	412	.017	.238	.615	-.789
250	413	.128	.122	.526	-.497
250	414	-.082	.109	.341	-.562
250	415	-.022	.098	.377	-.481
250	416	-.088	.081	.206	-.362
250	417	-.086	.091	.253	-.451
250	418	-.234	.107	.135	-.666
250	419	-.133	.095	.213	-.537
250	420	.020	.236	.754	-.829
250	421	.113	.249	.789	-.844
250	422	.063	.133	.524	-.443
250	423	.096	.108	.472	-.264
250	424	.039	.096	.423	-.252
250	425	.065	.099	.495	-.225
250	426	-.076	.106	.348	-.402
250	427	-.107	.092	.230	-.492
250	428	-.176	.082	.096	-.458
250	429	-.119	.088	.157	-.414
250	430	-.028	.238	.735	-1.072
250	431	.090	.213	.703	-.957
250	432	.077	.113	.494	-.368
250	433	.087	.105	.513	-.251
250	434	-.037	.110	.452	-.403
250	435	.018	.096	.416	-.263
250	436	-.053	.081	.195	-.328
250	437	-.097	.086	.198	-.441
250	438	-.245	.097	.091	-.643
250	439	.049	.207	.701	-.756

APPENDIX A -- PRESSURE DATA: CONFIGURATION A: ONE LOGAN SQUARE

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
250	440	.052	.158	.474	-.604
250	441	.098	.099	.426	-.334
250	442	-.041	.098	.275	-.342
250	443	.016	.086	.299	-.243
250	444	-.043	.081	.266	-.303
250	445	.016	.085	.312	-.328
250	446	-.226	.096	.100	-.587
250	447	-.155	.093	.159	-.521
250	448	-.214	.085	.059	-.498
250	449	.053	.186	.744	-.788
250	450	-.028	.196	.643	-.979
250	451	.071	.106	.445	-.362
250	452	.001	.087	.275	-.301
250	453	.028	.091	.339	-.283
250	454	-.108	.098	.208	-.466
250	455	-.047	.088	.259	-.394
250	456	-.192	.087	.102	-.497
250	457	-.148	.097	.165	-.481
250	458	-.040	.163	.578	-.808
250	459	.065	.138	.583	-.612
250	460	.031	.094	.503	-.223
250	461	.070	.093	.411	-.201
250	462	-.076	.097	.292	-.369
250	463	-.015	.089	.317	-.265
250	464	-.108	.078	.143	-.402
250	465	-.133	.088	.134	-.564
250	466	-.279	.101	.048	-.768
250	467	-.211	.107	.123	-.700
250	468	-.139	.084	.094	-.471
250	469	-.072	.090	.203	-.372
250	470	-.231	.101	.109	-.629
250	471	-.183	.099	.121	-.554
250	472	.019	.087	.345	-.303
250	473	.098	.096	.418	-.234
250	474	.006	.106	.371	-.347
250	475	.076	.095	.379	-.240
250	476	.019	.094	.369	-.274
250	477	.014	.091	.362	-.283
250	478	-.155	.090	.138	-.583
250	479	-.169	.100	.147	-.644
250	501	-.155	.089	.100	-.640
250	502	-.331	.118	.006	-.745
250	503	-.142	.091	.170	-.539
250	504	-.120	.087	.209	-.430
250	505	-.120	.081	.168	-.406
250	506	-.137	.096	.204	-.731
250	507	-.181	.101	.193	-.685
250	508	-.195	.100	.142	-.641
250	509	-.218	.087	.107	-.543
250	510	-.237	.096	.110	-.576

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
250	511	-.111	.082	.170	-.394
250	512	-.095	.081	.212	-.364
250	513	-.101	.085	.145	-.424
250	514	-.096	.087	.184	-.398
250	515	-.148	.099	.126	-.499
250	516	-.161	.092	.182	-.507
250	517	-.198	.084	.091	-.550
250	518	-.210	.093	.155	-.622
250	519	-.106	.082	.157	-.414
250	520	-.089	.080	.164	-.382
250	521	-.084	.069	.123	-.319
250	522	-.108	.080	.143	-.369
250	523	-.121	.080	.136	-.374
250	524	-.116	.082	.190	-.362
250	525	-.169	.077	.127	-.427
250	526	-.178	.091	.193	-.515
250	601	-.096	.123	.438	-.568
250	602	-.089	.102	.414	-.407
250	603	-.000	.097	.424	-.293
250	604	.048	.141	.582	-.510
250	605	-.171	.093	.207	-.550
250	606	-.060	.089	.256	-.368
250	607	-.047	.095	.195	-.715
250	608	-.059	.090	.215	-.417
250	609	-.046	.097	.299	-.337
250	610	-.117	.080	.193	-.411
250	611	-.013	.068	.236	-.219
250	612	-.051	.092	.299	-.345
250	613	-.114	.138	.777	-.613
250	614	-.114	.102	.436	-.386
250	615	-.075	.089	.313	-.445
250	616	-.095	.101	.465	-.439
250	617	-.190	.098	.226	-.534
250	618	-.183	.088	.154	-.502
250	619	-.128	.077	.156	-.445
250	620	-.174	.088	.080	-.527
250	621	-.110	.091	.199	-.465
250	622	-.116	.097	.237	-.486
250	623	-.086	.086	.244	-.378
250	624	-.134	.088	.180	-.426
250	625	-.189	.091	.145	-.499
250	626	-.167	.090	.176	-.529
250	701	.021	.107	.451	-.264
250	702	-.172	.091	.176	-.541
250	703	.030	.149	.551	-.510
250	704	-.188	.091	.228	-.490
250	705	-.248	.089	.064	-.581
250	706	-.259	.110	.138	-.786
250	707	-.127	.110	.391	-.553
250	708	-.185	.092	.137	-.524

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
250	709	-.145	.078	.117	-.427
250	710	-.158	.088	.144	-.490
250	711	.016	.148	.524	-.691
250	712	-.207	.093	.117	-.560
250	713	-.226	.087	.054	-.535
250	714	-.149	.100	.268	-.452
250	715	-.113	.098	.317	-.420
250	716	-.195	.091	.094	-.574
250	717	-.161	.082	.120	-.466
250	718	-.139	.098	.246	-.519
250	719	.059	.136	.677	-.435
250	720	-.178	.093	.119	-.503
250	721	-.162	.084	.128	-.489
250	722	-.199	.094	.174	-.533
250	723	-.251	.104	.144	-.911
250	724	-.202	.099	.167	-.577
250	725	-.162	.083	.083	-.489
250	726	-.104	.095	.273	-.519
250	727	-.187	.090	.124	-.504
250	728	-.166	.084	.113	-.470
250	729	-.142	.113	.243	-.808
250	801	-.186	.104	.136	-.685
250	802	-.181	.098	.154	-.692
250	803	-.167	.092	.084	-.510
250	804	-.104	.095	.213	-.437
250	805	-.174	.111	.162	-.633
250	806	-.084	.096	.217	-.467
250	807	-.088	.075	.180	-.434
250	808	-.082	.088	.238	-.387
250	809	-.079	.128	.404	-.532
250	810	-.083	.096	.319	-.487
250	811	-.055	.074	.192	-.363
250	812	-.069	.083	.221	-.406
250	813	-.088	.084	.188	-.408
250	814	-.253	.101	.071	-.651
250	815	-.282	.089	.023	-.633
250	816	-.247	.090	.043	-.578
250	817	-.280	.095	.007	-.612
250	818	-.247	.090	.043	-.568
250	819	-.224	.090	.101	-.557
250	820	-.189	.093	.138	-.491
250	821	-.221	.097	.110	-.536
250	822	-.194	.095	.134	-.494
250	823	-.194	.080	.080	-.518
250	901	-.160	.096	.224	-.518
250	902	-.136	.100	.195	-.533
250	903	-.229	.113	.161	-.662
250	904	-.172	.097	.193	-.589
250	905	-.155	.099	.138	-.521
250	906	-.208	.112	.124	-.750

APPENDIX A -- PRESSURE DATA: CONFIGURATION A: ONE LOGAN SQUARE

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
250	907	-.132	.093	.194	-.470
250	908	-.171	.089	.173	-.560
250	909	-.128	.094	.243	-.445
250	910	-.050	.115	.469	-.433
250	911	-.166	.160	.288	-.783
250	912	-.156	.096	.240	-.488
250	913	-.182	.090	.141	-.520
250	914	-.213	.091	.074	-.630
250	915	-.181	.083	.062	-.461
250	916	-.174	.074	.052	-.472
250	917	-.280	.100	.041	-.642
250	918	-.188	.101	.210	-.634
250	919	-.093	.098	.277	-.468
250	920	.058	.109	.471	-.280
250	921	-.180	.091	.130	-.526
250	922	-.229	.115	.153	-.651
250	923	-.183	.101	.201	-.557
250	924	-.199	.083	.128	-.487
250	925	-.163	.092	.114	-.499
250	1001	-.151	.084	.110	-.431
250	1002	-.136	.092	.156	-.441
250	1003	-.191	.107	.141	-.574
250	1004	-.130	.093	.154	-.465
250	1005	-.176	.080	.093	-.441
260	1	-.226	.120	.138	-.772
260	2	-.143	.109	.205	-.727
260	3	-.227	.111	.180	-.736
260	4	-.113	.125	.373	-.741
260	5	-.327	.129	.123	-.783
260	6	-.218	.177	.321	-1.072
260	7	-.304	.108	.133	-.793
260	8	-.360	.137	.083	-.956
260	9	-.207	.115	.133	-.710
260	10	-.130	.102	.181	-.625
260	11	-.187	.093	.208	-.568
260	12	-.135	.136	.459	-.681
260	13	-.350	.157	.239	-1.005
260	14	-.290	.114	.074	-.753
260	15	-.373	.116	-.018	-.782
260	101	-.103	.090	.168	-.500
260	102	-.127	.107	.194	-.660
260	103	-.181	.136	.213	-1.365
260	104	-.200	.128	.164	-.957
260	105	-.177	.112	.256	-.998
260	106	-.220	.151	.286	-1.169
260	107	-.249	.161	.240	-1.493
260	108	-.274	.150	.227	-1.170
260	109	-.274	.128	.225	-.765
260	110	-.241	.130	.194	-.818
260	111	-.371	.104	-.041	-.742
260	112	-.346	.129	.034	-.859
260	113	-.130	.101	.205	-.588
260	114	-.120	.093	.151	-.561
260	115	-.182	.128	.202	-.735
260	116	-.206	.138	.191	-.828
260	117	-.238	.137	.256	-.857
260	118	-.250	.105	.082	-.618
260	119	-.273	.112	.077	-.677
260	120	-.178	.099	.133	-.713
260	121	-.104	.092	.191	-.575
260	122	-.171	.083	.098	-.501
260	123	-.148	.119	.166	-.771
260	124	-.164	.134	.227	-.816
260	125	-.147	.124	.225	-.826
260	126	-.194	.143	.273	-.817
260	127	-.220	.145	.251	-.787
260	128	-.267	.156	.252	-1.174
260	129	-.260	.113	.193	-.748
260	130	-.257	.110	.143	-.687
260	131	-.237	.103	.132	-.601
260	132	-.219	.101	.135	-.576
260	133	-.067	.073	.181	-.349
260	134	-.094	.085	.193	-.423
260	135	-.120	.086	.171	-.432
260	136	-.126	.093	.220	-.454
260	137	-.131	.089	.195	-.521
260	138	-.181	.108	.223	-.619
260	139	-.237	.120	.203	-.736
260	140	-.219	.114	.184	-.669
260	141	-.192	.102	.122	-.741
260	142	-.249	.122	.223	-.992
260	143	-.238	.119	.255	-.771
260	144	-.193	.108	.254	-.617
260	145	-.149	.086	.126	-.408
260	146	-.089	.084	.185	-.385
260	147	-.106	.085	.159	-.409
260	148	-.104	.085	.193	-.376
260	149	-.103	.082	.144	-.376
260	150	-.173	.102	.135	-.570
260	151	-.209	.108	.129	-.617
260	152	-.226	.116	.140	-.699
260	153	-.191	.095	.150	-.544
260	154	-.237	.103	.088	-.629
260	155	-.284	.113	.093	-.700
260	156	-.244	.107	.150	-.636
260	157	-.175	.092	.164	-.528
260	158	-.207	.105	.163	-.605
260	159	-.110	.092	.202	-.438
260	160	-.098	.090	.208	-.438
260	161	-.067	.075	.220	-.355
260	162	-.136	.092	.221	-.532
260	163	-.191	.095	.211	-.561
260	164	-.191	.096	.200	-.518
260	165	-.158	.087	.128	-.485
260	166	-.193	.097	.127	-.551
260	167	-.261	.106	.096	-.628
260	168	-.284	.111	.090	-.808
260	169	-.232	.100	.151	-.766
260	170	-.247	.110	.156	-.811
260	171	-.267	.112	.135	-.827
260	172	-.093	.092	.253	-.426
260	173	-.053	.072	.193	-.300
260	174	-.089	.083	.177	-.546
260	175	-.144	.090	.167	-.533
260	176	-.157	.094	.153	-.527
260	177	-.114	.086	.169	-.455
260	178	-.148	.098	.167	-.523
260	179	-.169	.101	.150	-.530
260	180	-.209	.111	.222	-.664
260	181	-.261	.115	.107	-.845
260	182	-.292	.134	.133	-1.328
260	183	-.358	.131	.081	-1.010
260	184	-.292	.124	.133	-.918
260	185	-.096	.086	.182	-.404
260	186	-.111	.093	.190	-.454
260	187	-.173	.097	.137	-.572
260	188	-.128	.097	.212	-.529
260	189	-.118	.095	.186	-.609
260	190	-.137	.107	.220	-.811
260	191	-.201	.108	.137	-.764
260	192	-.136	.099	.180	-.560
260	193	-.094	.086	.224	-.470
260	194	-.176	.115	.221	-.639
260	195	-.392	.139	.001	-1.222
260	196	-.319	.127	.051	-.898
260	197	-.265	.111	.109	-.724
260	198	-.122	.092	.192	-.454
260	199	-.120	.092	.206	-.426
260	200	-.151	.099	.182	-.484
260	201	-.126	.092	.155	-.453
260	202	-.143	.108	.186	-.538
260	203	-.205	.111	.149	-.668
260	204	-.126	.091	.186	-.512
260	205	-.097	.080	.146	-.399
260	206	-.119	.092	.158	-.472
260	207	-.171	.096	.180	-.523
260	208	-.117	.092	.219	-.476
260	209	-.183	.092	.148	-.502
260	210	-.104	.092	.215	-.534
260	211	-.187	.090	.122	-.662

APPENDIX A -- PRESSURE DATA: CONFIGURATION A: ONE LOGAN SQUARE

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
260	212	-.135	.090	.147	-.445
260	213	-.167	.115	.273	-.734
260	214	-.278	.155	.134	-1.361
260	215	-.359	.145	.010	-1.198
260	216	-.094	.086	.248	-.381
260	217	-.058	.077	.173	-.364
260	218	-.073	.087	.190	-.438
260	219	-.144	.095	.194	-.466
260	220	-.113	.094	.227	-.454
260	221	-.118	.087	.192	-.429
260	222	-.137	.092	.153	-.446
260	223	-.216	.095	.087	-.549
260	224	-.150	.090	.154	-.455
260	225	.090	.103	.414	-.248
260	301	.054	.112	.416	-.351
260	302	.104	.132	.533	-.366
260	303	.144	.155	.610	-.349
260	304	.286	.164	.851	-.220
260	305	.289	.148	.821	-.206
260	306	.176	.139	.715	-.289
260	307	.302	.176	.921	-.178
260	308	-.024	.117	.416	-.501
260	309	.080	.113	.493	-.293
260	310	.328	.160	.828	-.176
260	311	.368	.186	.992	-.242
260	312	.342	.171	.925	-.191
260	313	.042	.105	.375	-.334
260	314	.142	.130	.583	-.244
260	315	.323	.174	.875	-.170
260	316	.386	.173	.991	-.086
260	317	.348	.145	.852	-.076
260	318	.026	.115	.399	-.389
260	319	.074	.137	.540	-.405
260	320	.330	.164	.880	-.182
260	321	.309	.135	.905	-.076
260	322	.248	.144	.791	-.163
260	323	-.098	.119	.353	-.538
260	324	.055	.126	.634	-.391
260	325	.273	.130	.746	-.098
260	326	.292	.143	.931	-.110
260	327	.191	.148	.820	-.185
260	328	-.090	.113	.274	-.524
260	329	.044	.106	.403	-.293
260	330	.216	.137	.769	-.217
260	331	.211	.155	.926	-.235
260	332	.223	.149	.840	-.184
260	333	-.147	.111	.225	-.560
260	334	-.050	.106	.282	-.437
260	335	.080	.084	.371	-.171
260	336	.137	.109	.554	-.155

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
260	337	.114	.117	.572	-.244
260	338	.017	.090	.317	-.305
260	339	.032	.083	.295	-.235
260	340	.060	.094	.343	-.238
260	341	.072	.105	.391	-.263
260	342	.073	.105	.394	-.231
260	343	.088	.096	.445	-.192
260	344	.107	.107	.522	-.466
260	345	.083	.104	.469	-.257
260	346	.090	.102	.527	-.240
260	401	-.260	.191	.429	-1.027
260	402	-.358	.245	.305	-1.255
260	403	-.060	.108	.274	-.540
260	404	-.091	.082	.205	-.331
260	405	-.021	.087	.339	-.315
260	406	-.126	.095	.192	-.449
260	407	-.054	.088	.256	-.363
260	408	-.139	.087	.134	-.456
260	409	-.108	.105	.223	-.589
260	410	-.229	.116	.178	-.659
260	411	-.192	.193	.468	-.792
260	412	-.249	.201	.488	-.956
260	413	.045	.134	.446	-.701
260	414	-.120	.098	.255	-.438
260	415	-.045	.089	.322	-.329
260	416	-.099	.084	.191	-.363
260	417	-.059	.092	.252	-.379
260	418	-.188	.106	.153	-.591
260	419	-.089	.094	.216	-.451
260	420	-.233	.173	.541	-1.034
260	421	-.151	.210	.611	-1.199
260	422	-.062	.152	.410	-.858
260	423	-.028	.096	.375	-.376
260	424	-.023	.083	.262	-.294
260	425	-.020	.087	.330	-.267
260	426	-.116	.096	.264	-.442
260	427	-.095	.090	.245	-.388
260	428	-.152	.081	.114	-.421
260	429	-.087	.085	.207	-.373
260	430	-.243	.204	.457	-1.396
260	431	-.115	.211	.628	-1.317
260	432	-.001	.124	.386	-.674
260	433	.053	.091	.377	-.369
260	434	-.074	.095	.324	-.440
260	435	-.004	.084	.357	-.297
260	436	-.070	.079	.240	-.341
260	437	-.074	.086	.286	-.358
260	438	-.213	.096	.185	-.536
260	439	-.092	.215	.705	-.965
260	440	-.137	.215	.421	-1.641

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
260	441	.063	.113	.431	-.589
260	442	-.064	.095	.259	-.386
260	443	-.000	.083	.306	-.320
260	444	-.058	.076	.215	-.331
260	445	-.014	.082	.280	-.282
260	446	-.192	.092	.167	-.545
260	447	-.108	.087	.240	-.445
260	448	-.148	.080	.102	-.423
260	449	-.047	.199	.579	-1.070
260	450	-.133	.223	.479	-1.517
260	451	.042	.103	.449	-.687
260	452	-.008	.086	.272	-.296
260	453	.023	.088	.314	-.276
260	454	-.118	.097	.206	-.480
260	455	-.042	.089	.230	-.361
260	456	-.145	.084	.183	-.469
260	457	-.091	.094	.275	-.479
260	458	-.097	.201	.488	-1.124
260	459	.023	.176	.489	-1.115
260	460	.024	.089	.331	-.256
260	461	.065	.092	.422	-.230
260	462	-.091	.098	.241	-.420
260	463	-.018	.090	.297	-.362
260	464	-.086	.081	.181	-.353
260	465	-.085	.089	.218	-.404
260	466	-.227	.101	.122	-.604
260	467	-.151	.105	.159	-.569
260	468	-.115	.085	.146	-.443
260	469	-.036	.088	.262	-.365
260	470	-.178	.102	.169	-.608
260	471	-.108	.098	.240	-.524
260	472	.050	.085	.313	-.391
260	473	.113	.090	.410	-.269
260	474	.002	.098	.277	-.326
260	475	.079	.087	.340	-.211
260	476	.024	.098	.375	-.290
260	477	.014	.088	.311	-.343
260	478	-.115	.090	.164	-.508
260	479	-.117	.097	.167	-.506
260	501	-.095	.087	.176	-.494
260	502	-.269	.119	.093	-.878
260	503	-.110	.098	.205	-.476
260	504	-.092	.093	.191	-.478
260	505	-.083	.078	.200	-.357
260	506	-.098	.090	.228	-.429
260	507	-.135	.093	.163	-.581
260	508	-.139	.100	.167	-.552
260	509	-.174	.082	.143	-.522
260	510	-.205	.090	.190	-.556
260	511	-.096	.082	.249	-.365

APPENDIX A -- PRESSURE DATA: CONFIGURATION A: ONE LOGAN SQUARE

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
260	512	-.076	.081	.269	-.373
260	513	-.105	.085	.250	-.456
260	514	-.082	.091	.322	-.372
260	515	-.120	.094	.276	-.472
260	516	-.118	.096	.241	-.553
260	517	-.156	.080	.088	-.434
260	518	-.174	.092	.133	-.504
260	519	-.104	.091	.183	-.435
260	520	-.077	.088	.203	-.391
260	521	-.052	.076	.258	-.297
260	522	-.082	.088	.262	-.358
260	523	-.087	.088	.257	-.354
260	524	-.079	.088	.261	-.374
260	525	-.134	.080	.184	-.406
260	526	-.161	.093	.233	-.497
260	601	-.068	.141	.456	-.583
260	602	-.023	.115	.646	-.356
260	603	.055	.103	.516	-.236
260	604	.105	.126	.612	-.303
260	605	-.126	.092	.175	-.456
260	606	-.022	.091	.271	-.301
260	607	.004	.084	.264	-.353
260	608	-.027	.092	.280	-.395
260	609	-.000	.110	.428	-.404
260	610	-.091	.086	.225	-.435
260	611	.028	.074	.329	-.195
260	612	-.023	.101	.329	-.319
260	613	-.081	.137	.874	-.589
260	614	-.065	.122	.723	-.403
260	615	-.030	.104	.395	-.561
260	616	-.044	.117	.496	-.498
260	617	-.098	.115	.406	-.450
260	618	-.117	.095	.192	-.534
260	619	-.052	.099	.539	-.360
260	620	-.116	.098	.194	-.455
260	621	-.077	.102	.290	-.411
260	622	-.083	.099	.301	-.437
260	623	-.032	.087	.403	-.351
260	624	-.075	.093	.251	-.404
260	625	-.134	.094	.182	-.465
260	626	-.121	.090	.204	-.473
260	701	.035	.108	.511	-.393
260	702	-.129	.102	.226	-.514
260	703	.008	.176	.569	-.799
260	704	-.163	.098	.206	-.485
260	705	-.192	.095	.101	-.535
260	706	-.228	.120	.259	-.793
260	707	-.094	.130	.519	-.569
260	708	-.147	.101	.149	-.584
260	709	-.104	.084	.151	-.413
260	710	-.120	.092	.170	-.501
260	711	.001	.147	.632	-.834
260	712	-.180	.097	.096	-.539
260	713	-.164	.091	.143	-.466
260	714	-.131	.106	.318	-.582
260	715	-.073	.110	.417	-.487
260	716	-.148	.103	.219	-.581
260	717	-.107	.082	.188	-.399
260	718	-.103	.099	.218	-.520
260	719	.017	.143	.598	-.740
260	720	-.147	.093	.224	-.473
260	721	-.095	.088	.219	-.393
260	722	-.146	.097	.211	-.457
260	723	-.202	.108	.158	-.668
260	724	-.150	.098	.178	-.465
260	725	-.120	.087	.179	-.478
260	726	-.042	.104	.347	-.397
260	727	-.133	.097	.166	-.502
260	728	-.109	.077	.177	-.483
260	729	-.108	.098	.207	-.674
260	801	-.117	.092	.168	-.523
260	802	-.113	.086	.186	-.516
260	803	-.095	.082	.176	-.354
260	804	-.072	.089	.224	-.368
260	805	-.098	.092	.219	-.406
260	806	-.045	.088	.261	-.321
260	807	-.057	.073	.177	-.336
260	808	-.063	.084	.250	-.377
260	809	-.047	.097	.349	-.415
260	810	-.044	.085	.224	-.366
260	811	-.050	.073	.167	-.357
260	812	-.054	.083	.217	-.429
260	813	-.083	.085	.186	-.458
260	814	-.210	.102	.096	-.834
260	815	-.234	.090	.057	-.545
260	816	-.180	.099	.133	-.518
260	817	-.217	.100	.093	-.594
260	818	-.190	.104	.140	-.555
260	819	-.165	.091	.183	-.513
260	820	-.144	.096	.154	-.574
260	821	-.175	.100	.137	-.674
260	822	-.150	.096	.137	-.561
260	823	-.148	.093	.172	-.616
260	901	-.154	.104	.228	-.598
260	902	-.095	.105	.266	-.472
260	903	-.201	.109	.233	-.669
260	904	-.134	.089	.160	-.522
260	905	-.093	.100	.402	-.678
260	906	-.204	.111	.207	-.655
260	907	-.104	.090	.159	-.434
260	908	-.137	.102	.199	-.489
260	909	-.098	.102	.431	-.525
260	910	-.006	.112	.451	-.354
260	911	-.176	.170	.363	-.878
260	912	-.119	.081	.164	-.397
260	913	-.121	.097	.208	-.725
260	914	-.144	.093	.145	-.462
260	915	-.124	.085	.169	-.400
260	916	-.107	.079	.143	-.430
260	917	-.207	.109	.194	-.598
260	918	-.162	.102	.273	-.554
260	919	-.057	.097	.281	-.399
260	920	.030	.106	.385	-.278
260	921	-.139	.090	.185	-.465
260	922	-.255	.149	.211	-1.109
260	923	-.107	.112	.279	-.537
260	924	-.154	.084	.175	-.427
260	925	-.105	.089	.254	-.420
260	1001	-.101	.081	.240	-.347
260	1002	-.095	.091	.284	-.404
260	1003	-.135	.101	.260	-.502
260	1004	-.088	.093	.283	-.409
260	1005	-.121	.082	.151	-.432
270	1	-.185	.123	.214	-.626
270	2	-.104	.110	.244	-.482
270	3	-.153	.109	.141	-.560
270	4	-.049	.106	.318	-.472
270	5	-.255	.135	.166	-.748
270	6	-.147	.128	.242	-.719
270	7	-.353	.109	.044	-.788
270	8	-.404	.140	.008	-.982
270	9	-.176	.114	.201	-.641
270	10	-.112	.109	.287	-.690
270	11	-.166	.096	.130	-.755
270	12	-.082	.138	.493	-.697
270	13	-.332	.168	.339	-1.171
270	14	-.336	.122	.031	-.776
270	15	-.374	.123	.033	-.874
270	101	-.059	.094	.240	-.579
270	102	-.101	.112	.267	-.813
270	103	-.147	.131	.230	-1.219
270	104	-.163	.126	.248	-1.009
270	105	-.115	.108	.216	-.902
270	106	-.169	.140	.267	-.968
270	107	-.191	.144	.240	-.983
270	108	-.219	.145	.309	-.820
270	109	-.227	.130	.412	-.915
270	110	-.281	.134	.143	-.863
270	111	-.408	.112	-.036	-.833
270	112	-.364	.134	.018	-.861

APPENDIX A -- PRESSURE DATA: CONFIGURATION A: ONE LOGAN SQUARE

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
270	113	-.094	.105	.236	-.789
270	114	-.070	.090	.222	-.447
270	115	-.155	.119	.246	-.621
270	116	-.160	.132	.267	-.648
270	117	-.201	.143	.430	-.790
270	118	-.256	.105	.092	-.598
270	119	-.300	.121	.095	-.772
270	120	-.151	.101	.179	-.496
270	121	-.076	.094	.230	-.420
270	122	-.143	.091	.200	-.460
270	123	-.114	.112	.314	-.570
270	124	-.139	.128	.244	-.763
270	125	-.107	.124	.205	-.829
270	126	-.150	.146	.258	-.920
270	127	-.175	.154	.276	-.983
270	128	-.222	.177	.240	-1.074
270	129	-.221	.123	.204	-.782
270	130	-.279	.122	.111	-.779
270	131	-.261	.113	.126	-.670
270	132	-.244	.112	.132	-.642
270	133	-.018	.078	.276	-.284
270	134	-.060	.092	.281	-.387
270	135	-.090	.097	.236	-.429
270	136	-.100	.106	.269	-.466
270	137	-.064	.096	.259	-.465
270	138	-.120	.115	.268	-.614
270	139	-.150	.123	.257	-.691
270	140	-.136	.119	.267	-.612
270	141	-.131	.101	.230	-.540
270	142	-.253	.125	.244	-.748
270	143	-.292	.132	.110	-.834
270	144	-.242	.119	.208	-.642
270	145	-.193	.102	.150	-.709
270	146	-.052	.082	.230	-.321
270	147	-.071	.084	.252	-.343
270	148	-.075	.085	.196	-.351
270	149	-.034	.080	.228	-.319
270	150	-.103	.102	.212	-.470
270	151	-.133	.106	.211	-.577
270	152	-.137	.113	.239	-.551
270	153	-.075	.092	.222	-.421
270	154	-.166	.114	.199	-.656
270	155	-.253	.130	.357	-.759
270	156	-.251	.131	.096	-.996
270	157	-.172	.106	.157	-.957
270	158	-.221	.121	.163	-1.153
270	159	-.055	.090	.351	-.332
270	160	-.047	.089	.360	-.332
270	161	-.000	.078	.293	-.597
270	162	-.085	.099	.223	-.769
270	163	-.136	.107	.256	-.650
270	164	-.133	.106	.265	-.608
270	165	-.069	.092	.201	-.423
270	166	-.124	.110	.204	-.540
270	167	-.208	.139	.244	-.946
270	168	-.281	.150	.197	-.936
270	169	-.237	.119	.080	-.723
270	170	-.274	.131	.073	-.861
270	171	-.294	.133	.060	-.879
270	172	-.031	.094	.262	-.342
270	173	-.029	.071	.260	-.229
270	174	-.037	.085	.240	-.460
270	175	-.095	.097	.203	-.485
270	176	-.122	.105	.208	-.536
270	177	-.072	.092	.220	-.401
270	178	-.112	.099	.215	-.435
270	179	-.120	.099	.250	-.457
270	180	-.135	.119	.281	-.581
270	181	-.231	.131	.145	-.768
270	182	-.302	.142	.100	-.915
270	183	-.371	.144	.035	-1.046
270	184	-.303	.135	.086	-.951
270	185	-.017	.077	.249	-.297
270	186	-.023	.083	.269	-.320
270	187	-.093	.089	.260	-.465
270	188	-.063	.093	.287	-.397
270	189	-.103	.096	.301	-.435
270	190	-.110	.107	.326	-.545
270	191	-.161	.104	.279	-.556
270	192	-.089	.094	.323	-.500
270	193	-.050	.080	.277	-.335
270	194	-.080	.116	.360	-.585
270	195	-.370	.175	.208	-1.204
270	196	-.347	.169	.110	-1.252
270	197	-.333	.141	.085	-1.117
270	198	-.051	.090	.239	-.353
270	199	-.078	.093	.276	-.442
270	200	-.101	.100	.231	-.422
270	201	-.070	.078	.211	-.353
270	202	-.059	.088	.262	-.397
270	203	-.121	.090	.262	-.434
270	204	-.059	.082	.274	-.346
270	205	-.054	.078	.216	-.325
270	206	-.064	.090	.211	-.344
270	207	-.087	.089	.236	-.412
270	208	-.035	.085	.279	-.345
270	209	-.124	.089	.261	-.457
270	210	-.032	.079	.252	-.313
270	211	-.106	.073	.150	-.339
270	212	-.101	.093	.229	-.409
270	213	-.093	.137	.322	-.771
270	214	-.347	.209	.321	-1.405
270	215	-.403	.195	.070	-1.935
270	216	-.028	.084	.261	-.302
270	217	-.020	.072	.224	-.249
270	218	-.022	.082	.264	-.283
270	219	-.101	.089	.191	-.397
270	220	-.065	.089	.257	-.425
270	221	-.053	.081	.247	-.338
270	222	-.076	.094	.311	-.445
270	223	-.163	.099	.222	-.509
270	224	-.100	.093	.261	-.435
270	225	.101	.096	.463	-.253
270	301	.081	.121	.510	-.353
270	302	.135	.138	.634	-.341
270	303	.147	.151	.752	-.338
270	304	.239	.149	.757	-.229
270	305	.207	.132	.630	-.212
270	306	.211	.143	.674	-.294
270	307	.305	.178	.898	-.244
270	308	.009	.123	.485	-.437
270	309	.107	.122	.550	-.293
270	310	.345	.167	.903	-.148
270	311	.309	.175	.873	-.243
270	312	.248	.154	.788	-.233
270	313	.072	.107	.464	-.256
270	314	.186	.134	.650	-.198
270	315	.336	.173	.832	-.193
270	316	.317	.157	.816	-.157
270	317	.290	.137	.857	-.106
270	318	.078	.119	.544	-.343
270	319	.148	.141	.713	-.306
270	320	.396	.164	.968	-.035
270	321	.337	.130	.776	-.090
270	322	.233	.141	.766	-.276
270	323	-.042	.120	.431	-.497
270	324	.128	.120	.568	-.298
270	325	.334	.131	.870	-.021
270	326	.312	.144	.913	-.108
270	327	.177	.154	.790	-.304
270	328	-.048	.112	.451	-.471
270	329	.079	.111	.589	-.265
270	330	.241	.142	.813	-.151
270	331	.196	.143	.759	-.256
270	332	.181	.131	.699	-.229
270	333	-.132	.113	.262	-.554
270	334	-.024	.104	.362	-.368
270	335	.124	.091	.479	-.151
270	336	.172	.111	.622	-.196
270	337	.133	.119	.636	-.237

APPENDIX A -- PRESSURE DATA: CONFIGURATION A; ONE LOGAN SQUARE

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
270	338	.048	.093	.396	-.270
270	339	.060	.082	.382	-.218
270	340	.090	.095	.529	-.222
270	341	.104	.106	.526	-.219
270	342	.110	.108	.559	-.234
270	343	.119	.092	.466	-.167
270	344	.140	.103	.503	-.177
270	345	.120	.106	.543	-.333
270	346	.131	.106	.546	-.325
270	401	-.333	.144	.231	-.915
270	402	-.496	.175	.094	-1.286
270	403	-.128	.135	.280	-.744
270	404	-.097	.096	.205	-.482
270	405	-.017	.095	.298	-.461
270	406	-.132	.099	.199	-.534
270	407	-.046	.089	.270	-.410
270	408	-.120	.083	.159	-.411
270	409	-.081	.098	.223	-.473
270	410	-.213	.108	.141	-.599
270	411	-.329	.158	.490	-.996
270	412	-.395	.144	.181	-.910
270	413	-.088	.177	.373	-.756
270	414	-.130	.097	.194	-.507
270	415	-.042	.088	.252	-.433
270	416	-.081	.080	.235	-.369
270	417	-.030	.090	.239	-.323
270	418	-.160	.104	.147	-.516
270	419	-.060	.093	.217	-.368
270	420	-.328	.146	.272	-1.080
270	421	-.256	.167	.405	-1.342
270	422	-.215	.216	.281	-1.226
270	423	-.018	.126	.300	-.776
270	424	-.035	.082	.208	-.395
270	425	.018	.083	.271	-.303
270	426	-.114	.092	.154	-.437
270	427	-.060	.086	.219	-.379
270	428	-.109	.078	.163	-.363
270	429	-.036	.083	.244	-.341
270	430	-.380	.178	.364	-1.091
270	431	-.260	.178	.388	-.981
270	432	-.123	.163	.261	-.893
270	433	.012	.104	.334	-.513
270	434	-.099	.096	.291	-.477
270	435	-.009	.083	.356	-.328
270	436	-.055	.078	.187	-.343
270	437	-.025	.086	.241	-.323
270	438	-.158	.098	.141	-.497
270	439	-.208	.185	.346	-1.145
270	440	-.298	.187	.407	-1.263
270	441	-.026	.172	.418	-.917

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
270	442	-.093	.116	.332	-.590
270	443	-.002	.091	.317	-.367
270	444	-.049	.078	.237	-.366
270	445	.007	.083	.311	-.339
270	446	-.138	.093	.293	-.502
270	447	-.044	.087	.282	-.375
270	448	-.075	.080	.211	-.352
270	449	-.162	.192	.423	-1.276
270	450	-.282	.234	.364	-1.454
270	451	.007	.133	.363	-.950
270	452	-.011	.084	.273	-.290
270	453	.026	.087	.274	-.289
270	454	-.112	.096	.153	-.438
270	455	-.018	.087	.240	-.305
270	456	-.075	.080	.176	-.375
270	457	-.016	.087	.255	-.351
270	458	-.160	.231	.425	-1.622
270	459	-.015	.202	.423	-1.408
270	460	.028	.084	.270	-.276
270	461	.071	.087	.330	-.208
270	462	-.090	.097	.212	-.407
270	463	-.004	.088	.286	-.316
270	464	-.056	.072	.163	-.296
270	465	-.018	.081	.227	-.294
270	466	-.148	.093	.136	-.458
270	467	-.052	.088	.220	-.369
270	468	-.069	.080	.217	-.353
270	469	.001	.083	.274	-.256
270	470	-.130	.093	.177	-.402
270	471	-.039	.086	.244	-.282
270	472	.058	.087	.349	-.336
270	473	.118	.091	.439	-.181
270	474	-.002	.099	.388	-.292
270	475	.077	.088	.418	-.202
270	476	.022	.089	.300	-.264
270	477	.023	.088	.381	-.285
270	478	-.051	.087	.309	-.330
270	479	-.034	.086	.323	-.313
270	501	-.050	.086	.189	-.438
270	502	-.174	.116	.169	-.693
270	503	-.073	.093	.243	-.388
270	504	-.058	.089	.234	-.365
270	505	-.042	.075	.198	-.274
270	506	-.056	.088	.218	-.469
270	507	-.087	.091	.247	-.538
270	508	-.082	.091	.223	-.386
270	509	-.096	.088	.188	-.504
270	510	-.145	.095	.193	-.561
270	511	-.055	.085	.225	-.362
270	512	-.037	.084	.232	-.337

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
270	513	-.051	.074	.176	-.346
270	514	-.037	.085	.236	-.351
270	515	-.068	.086	.195	-.373
270	516	-.059	.087	.237	-.412
270	517	-.079	.075	.155	-.304
270	518	-.116	.084	.152	-.379
270	519	-.064	.082	.195	-.339
270	520	-.038	.079	.209	-.287
270	521	-.021	.072	.229	-.282
270	522	-.050	.082	.247	-.346
270	523	-.054	.087	.263	-.355
270	524	-.041	.086	.297	-.315
270	525	-.077	.073	.174	-.339
270	526	-.116	.087	.191	-.510
270	601	-.057	.135	.454	-.532
270	602	.026	.109	.562	-.336
270	603	.101	.106	.790	-.171
270	604	.136	.124	.997	-.223
270	605	-.095	.086	.174	-.363
270	606	.011	.084	.376	-.282
270	607	.034	.076	.277	-.245
270	608	.008	.086	.292	-.333
270	609	.012	.095	.406	-.394
270	610	-.031	.086	.348	-.332
270	611	.052	.074	.309	-.222
270	612	-.011	.092	.333	-.342
270	613	-.050	.110	.533	-.456
270	614	-.037	.110	.648	-.503
270	615	-.006	.092	.499	-.760
270	616	-.026	.103	.525	-.370
270	617	-.015	.112	.389	-.352
270	618	-.056	.091	.268	-.360
270	619	.067	.106	.557	-.266
270	620	-.036	.093	.353	-.383
270	621	-.033	.098	.325	-.395
270	622	-.014	.095	.382	-.372
270	623	.036	.082	.327	-.278
270	624	.018	.101	.414	-.373
270	625	-.047	.090	.233	-.404
270	626	-.048	.084	.228	-.351
270	701	.024	.094	.441	-.297
270	702	-.056	.095	.396	-.462
270	703	-.064	.164	.615	-.623
270	704	-.090	.085	.202	-.387
270	705	-.078	.079	.180	-.433
270	706	-.179	.115	.348	-.753
270	707	-.052	.119	.603	-.708
270	708	-.082	.096	.236	-.536
270	709	-.044	.079	.222	-.349
270	710	-.041	.084	.230	-.325

APPENDIX A -- PRESSURE DATA: CONFIGURATION A: ONE LOGAN SQUARE

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
270	711	-.060	.139	.410	-.790
270	712	-.083	.089	.204	-.391
270	713	-.056	.079	.236	-.357
270	714	-.087	.093	.271	-.431
270	715	-.027	.098	.318	-.367
270	716	-.065	.095	.224	-.499
270	717	-.029	.078	.258	-.288
270	718	-.033	.085	.267	-.329
270	719	-.007	.148	.692	-.563
270	720	-.060	.092	.246	-.378
270	721	-.016	.071	.184	-.250
270	722	-.095	.091	.170	-.529
270	723	-.143	.095	.135	-.452
270	724	-.084	.088	.195	-.390
270	725	-.058	.081	.285	-.369
270	726	-.032	.103	.532	-.310
270	727	-.055	.092	.305	-.465
270	728	-.032	.076	.249	-.285
270	729	-.035	.087	.287	-.333
270	801	-.072	.096	.241	-.423
270	802	-.037	.086	.275	-.330
270	803	-.032	.073	.218	-.294
270	804	-.031	.084	.237	-.330
270	805	-.045	.083	.217	-.331
270	806	-.015	.080	.231	-.292
270	807	-.030	.074	.249	-.258
270	808	-.027	.085	.296	-.291
270	809	-.038	.087	.353	-.318
270	810	-.025	.083	.291	-.284
270	811	-.025	.076	.223	-.285
270	812	-.029	.087	.247	-.324
270	813	-.051	.089	.227	-.363
270	814	-.134	.102	.189	-.508
270	815	-.141	.081	.114	-.409
270	816	-.087	.087	.180	-.405
270	817	-.125	.089	.168	-.425
270	818	-.083	.087	.193	-.387
270	819	-.075	.076	.171	-.387
270	820	-.103	.088	.190	-.420
270	821	-.127	.093	.140	-.452
270	822	-.110	.089	.163	-.415
270	823	-.095	.081	.166	-.413
270	901	-.129	.103	.197	-.553
270	902	-.055	.092	.320	-.388
270	903	-.113	.091	.218	-.465
270	904	-.088	.084	.179	-.398
270	905	-.053	.094	.276	-.454
270	906	-.170	.104	.276	-.550
270	907	-.069	.091	.214	-.419
270	908	-.066	.092	.232	-.518
270	909	-.040	.093	.352	-.390
270	910	-.010	.104	.399	-.367
270	911	-.195	.128	.214	-.678
270	912	-.054	.083	.253	-.420
270	913	-.065	.103	.305	-.624
270	914	-.071	.091	.223	-.387
270	915	-.069	.091	.230	-.562
270	916	-.047	.074	.214	-.297
270	917	-.079	.085	.243	-.446
270	918	-.118	.092	.203	-.444
270	919	-.026	.090	.285	-.365
270	920	.027	.105	.546	-.248
270	921	-.076	.085	.229	-.372
270	922	-.257	.207	.393	-1.176
270	923	-.035	.106	.325	-.529
270	924	-.078	.084	.225	-.379
270	925	-.036	.088	.280	-.362
270	1001	-.032	.075	.226	-.291
270	1002	-.037	.086	.268	-.345
270	1003	-.066	.089	.230	-.425
270	1004	-.042	.088	.262	-.373
270	1005	-.060	.082	.236	-.310
280	1	-.103	.119	.288	-.507
280	2	-.033	.106	.319	-.452
280	3	-.077	.099	.207	-.464
280	4	-.018	.103	.336	-.493
280	5	-.165	.129	.179	-.573
280	6	-.128	.123	.266	-.709
280	7	-.360	.121	.047	-.862
280	8	-.382	.139	.017	-.901
280	9	-.115	.102	.269	-.519
280	10	-.059	.095	.221	-.512
280	11	-.118	.095	.187	-.506
280	12	-.036	.116	.380	-.503
280	13	-.234	.163	.254	-.962
280	14	-.349	.143	.082	-.821
280	15	-.365	.120	-.008	-.783
280	101	-.039	.086	.287	-.390
280	102	-.061	.100	.320	-.446
280	103	-.095	.106	.325	-.585
280	104	-.162	.120	.270	-.608
280	105	-.148	.109	.144	-.567
280	106	-.140	.121	.255	-.727
280	107	-.125	.124	.242	-.897
280	108	-.125	.143	.273	-.888
280	109	-.164	.142	.299	-.955
280	110	-.309	.140	.130	-.984
280	111	-.416	.117	-.075	-.831
280	112	-.366	.146	.127	-1.063
280	113	-.053	.090	.242	-.393
280	114	-.057	.083	.240	-.393
280	115	-.175	.125	.284	-.884
280	116	-.113	.103	.326	-.568
280	117	-.096	.124	.296	-.618
280	118	-.280	.108	.078	-.706
280	119	-.294	.118	.044	-.750
280	120	-.119	.100	.204	-.742
280	121	-.044	.093	.257	-.441
280	122	-.094	.089	.271	-.447
280	123	-.082	.102	.304	-.661
280	124	-.130	.114	.247	-.716
280	125	-.126	.118	.197	-.826
280	126	-.114	.119	.257	-.755
280	127	-.106	.121	.278	-.757
280	128	-.115	.141	.321	-.982
280	129	-.141	.135	.201	-.825
280	130	-.267	.149	.283	-1.011
280	131	-.291	.136	.252	-1.390
280	132	-.286	.138	.278	-1.994
280	133	.001	.076	.256	-.284
280	134	-.022	.089	.273	-.329
280	135	-.041	.091	.270	-.357
280	136	-.072	.103	.308	-.650
280	137	-.073	.087	.208	-.496
280	138	-.100	.100	.232	-.591
280	139	-.097	.101	.241	-.595
280	140	-.087	.101	.250	-.525
280	141	-.078	.111	.245	-.496
280	142	-.191	.161	.310	-.752
280	143	-.317	.164	.203	-1.009
280	144	-.314	.134	.117	-.857
280	145	-.277	.125	.103	-.846
280	146	-.014	.089	.308	-.395
280	147	-.020	.089	.305	-.366
280	148	-.037	.093	.296	-.402
280	149	-.039	.087	.242	-.369
280	150	-.091	.103	.249	-.607
280	151	-.101	.102	.229	-.535
280	152	-.092	.104	.249	-.564
280	153	-.069	.094	.238	-.491
280	154	-.126	.130	.314	-.678
280	155	-.230	.160	.281	-.976
280	156	-.316	.162	.278	-1.233
280	157	-.281	.136	.146	-.988
280	158	-.299	.151	.174	-1.010
280	159	-.015	.094	.265	-.430
280	160	-.016	.094	.266	-.432
280	161	-.013	.078	.254	-.338
280	162	-.077	.103	.250	-.509
280	163	-.123	.108	.212	-.674

APPENDIX A -- PRESSURE DATA: CONFIGURATION A: ONE LOGAN SQUARE

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
280	164	-.126	.107	.209	-.581
280	165	-.077	.088	.217	-.487
280	166	-.088	.102	.238	-.657
280	167	-.098	.120	.313	-.737
280	168	-.184	.167	.350	-.899
280	169	-.287	.167	.232	-1.296
280	170	-.336	.176	.089	-1.609
280	171	-.338	.172	.085	-1.558
280	172	-.004	.082	.297	-.269
280	173	-.022	.074	.266	-.259
280	174	-.015	.088	.240	-.312
280	175	-.075	.102	.213	-.526
280	176	-.122	.111	.203	-.557
280	177	-.098	.102	.190	-.528
280	178	-.096	.104	.210	-.521
280	179	-.080	.099	.282	-.535
280	180	-.046	.097	.328	-.547
280	181	-.095	.137	.264	-.835
280	182	-.273	.204	.261	-1.013
280	183	-.423	.193	.115	-1.373
280	184	-.348	.177	.169	-1.207
280	185	.010	.074	.287	-.268
280	186	.013	.080	.312	-.265
280	187	-.053	.088	.291	-.335
280	188	-.019	.091	.319	-.372
280	189	-.100	.109	.225	-.499
280	190	-.097	.117	.262	-.541
280	191	-.134	.109	.276	-.540
280	192	-.060	.096	.332	-.416
280	193	-.021	.086	.302	-.310
280	194	-.006	.102	.382	-.384
280	195	-.222	.200	.456	-1.048
280	196	-.349	.205	.212	-1.278
280	197	-.330	.175	.082	-1.273
280	198	-.015	.091	.285	-.359
280	199	-.031	.089	.328	-.357
280	200	-.069	.099	.221	-.427
280	201	-.036	.085	.246	-.345
280	202	-.019	.095	.307	-.348
280	203	-.076	.097	.264	-.428
280	204	-.021	.091	.263	-.316
280	205	-.012	.072	.243	-.271
280	206	-.014	.082	.294	-.306
280	207	-.041	.081	.284	-.310
280	208	.007	.077	.312	-.262
280	209	-.078	.090	.280	-.348
280	210	-.003	.084	.301	-.274
280	211	-.072	.079	.213	-.339
280	212	-.043	.088	.294	-.311
280	213	.005	.107	.362	-.575
280	214	-.320	.246	.305	-1.633
280	215	-.380	.246	.100	-2.029
280	216	.008	.086	.341	-.267
280	217	.015	.074	.265	-.227
280	218	.020	.083	.296	-.262
280	219	-.049	.091	.263	-.390
280	220	-.015	.088	.277	-.350
280	221	-.009	.084	.255	-.329
280	222	-.020	.096	.280	-.484
280	223	-.088	.101	.247	-.469
280	224	-.033	.095	.306	-.380
280	225	.137	.093	.524	-.144
280	301	.143	.125	.596	-.264
280	302	.188	.141	.689	-.253
280	303	.164	.148	.748	-.394
280	304	.203	.141	.741	-.292
280	305	.153	.124	.608	-.205
280	306	.280	.138	.774	-.135
280	307	.337	.166	.990	-.162
280	308	.077	.128	.580	-.392
280	309	.169	.131	.636	-.239
280	310	.399	.162	.955	-.107
280	311	.287	.160	.897	-.238
280	312	.194	.140	.785	-.281
280	313	.128	.132	.613	-.231
280	314	.258	.158	.789	-.169
280	315	.374	.180	.974	-.111
280	316	.276	.155	.806	-.195
280	317	.181	.116	.552	-.143
280	318	.109	.127	.542	-.507
280	319	.175	.146	.730	-.319
280	320	.358	.155	.906	-.039
280	321	.274	.128	.761	-.137
280	322	.146	.134	.641	-.268
280	323	.018	.137	.544	-.557
280	324	.187	.137	.729	-.289
280	325	.339	.143	.885	-.092
280	326	.258	.140	.967	-.150
280	327	.094	.143	.850	-.492
280	328	.008	.124	.502	-.400
280	329	.119	.110	.568	-.183
280	330	.259	.134	.776	-.113
280	331	.170	.146	.760	-.292
280	332	.131	.143	.690	-.404
280	333	-.061	.109	.315	-.387
280	334	.024	.102	.427	-.271
280	335	.137	.089	.461	-.139
280	336	.155	.110	.598	-.220
280	337	.099	.124	.636	-.318
280	338	.074	.091	.352	-.228
280	339	.071	.081	.334	-.263
280	340	.097	.095	.443	-.274
280	341	.106	.102	.429	-.308
280	342	.118	.105	.433	-.276
280	343	.133	.089	.487	-.150
280	344	.147	.100	.558	-.174
280	345	.113	.093	.428	-.221
280	346	.113	.091	.448	-.194
280	401	-.309	.142	.156	-.913
280	402	-.488	.164	.036	-1.253
280	403	-.266	.167	.211	-.921
280	404	-.148	.134	.227	-.777
280	405	-.023	.120	.392	-.852
280	406	-.125	.112	.273	-.737
280	407	-.020	.097	.324	-.389
280	408	-.076	.086	.169	-.565
280	409	-.030	.097	.248	-.457
280	410	-.163	.109	.153	-.617
280	411	-.290	.130	.154	-.798
280	412	-.365	.128	.091	-.831
280	413	-.240	.177	.384	-1.028
280	414	-.114	.107	.224	-.666
280	415	-.016	.095	.284	-.486
280	416	-.052	.087	.304	-.388
280	417	.000	.091	.349	-.324
280	418	-.137	.104	.250	-.493
280	419	-.031	.092	.313	-.365
280	420	-.351	.132	.055	-.970
280	421	-.283	.145	.276	-1.105
280	422	-.370	.208	.278	-1.308
280	423	-.096	.151	.284	-.964
280	424	-.073	.101	.213	-.519
280	425	.015	.094	.384	-.391
280	426	-.104	.102	.287	-.449
280	427	-.018	.088	.379	-.332
280	428	-.066	.078	.156	-.371
280	429	.006	.082	.269	-.242
280	430	-.449	.173	.171	-1.086
280	431	-.323	.162	.276	-1.045
280	432	-.261	.181	.181	-1.063
280	433	-.068	.151	.314	-.712
280	434	-.136	.126	.207	-.853
280	435	-.005	.094	.282	-.535
280	436	-.036	.083	.238	-.369
280	437	.012	.086	.336	-.307
280	438	-.122	.097	.251	-.496
280	439	-.312	.179	.274	-1.089
280	440	-.362	.174	.225	-1.137
280	441	-.135	.206	.341	-1.099
280	442	-.149	.142	.222	-.863

APPENDIX A -- PRESSURE DATA: CONFIGURATION A; ONE LOGAN SQUARE

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
280	443	-.010	.097	.363	-.445
280	444	-.037	.078	.260	-.596
280	445	.026	.081	.303	-.303
280	446	-.105	.091	.222	-.422
280	447	-.006	.084	.297	-.323
280	448	-.036	.078	.203	-.361
280	449	-.265	.212	.364	-1.518
280	450	-.426	.259	.251	-1.713
280	451	-.081	.199	.426	-1.093
280	452	-.021	.085	.289	-.334
280	453	.025	.087	.352	-.262
280	454	-.109	.097	.247	-.452
280	455	-.000	.086	.291	-.274
280	456	-.034	.082	.255	-.278
280	457	.025	.089	.342	-.243
280	458	-.267	.271	.510	-1.649
280	459	-.124	.262	.508	-1.551
280	460	.031	.085	.358	-.405
280	461	.072	.087	.420	-.271
280	462	-.104	.096	.247	-.472
280	463	-.014	.087	.284	-.370
280	464	-.042	.078	.204	-.306
280	465	.014	.085	.306	-.278
280	466	-.118	.096	.188	-.427
280	467	-.009	.087	.280	-.316
280	468	-.051	.074	.212	-.318
280	469	.020	.078	.290	-.265
280	470	-.108	.088	.181	-.417
280	471	-.005	.079	.269	-.273
280	472	.023	.092	.379	-.496
280	473	.089	.096	.489	-.259
280	474	-.028	.097	.374	-.332
280	475	.064	.086	.427	-.206
280	476	.015	.084	.298	-.283
280	477	.005	.080	.383	-.299
280	478	-.020	.080	.363	-.333
280	479	-.003	.078	.377	-.309
280	501	-.029	.079	.235	-.331
280	502	-.074	.092	.204	-.429
280	503	-.052	.090	.283	-.440
280	504	-.037	.088	.260	-.397
280	505	-.026	.072	.207	-.285
280	506	-.031	.083	.237	-.326
280	507	-.049	.085	.220	-.347
280	508	-.033	.088	.260	-.417
280	509	-.029	.080	.245	-.379
280	510	-.096	.095	.242	-.447
280	511	-.039	.083	.251	-.322
280	512	-.019	.081	.263	-.285
280	513	-.030	.071	.211	-.268

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
280	514	-.014	.082	.278	-.311
280	515	-.036	.082	.258	-.329
280	516	-.014	.081	.293	-.327
280	517	-.013	.076	.239	-.364
280	518	-.075	.091	.200	-.489
280	519	-.056	.082	.219	-.425
280	520	-.019	.080	.244	-.377
280	521	.000	.072	.278	-.222
280	522	-.031	.082	.284	-.303
280	523	-.023	.083	.279	-.289
280	524	.003	.081	.300	-.262
280	525	-.005	.076	.270	-.339
280	526	-.057	.094	.299	-.547
280	601	-.028	.131	.586	-.520
280	602	.065	.109	.582	-.375
280	603	.133	.102	.596	-.167
280	604	.120	.115	.655	-.183
280	605	-.042	.086	.279	-.363
280	606	.045	.084	.337	-.269
280	607	.050	.074	.331	-.189
280	608	.028	.086	.292	-.257
280	609	.048	.091	.349	-.244
280	610	.004	.081	.294	-.284
280	611	.085	.078	.402	-.165
280	612	.018	.093	.332	-.289
280	613	.003	.122	.515	-.474
280	614	-.001	.098	.495	-.325
280	615	.038	.073	.330	-.278
280	616	.021	.092	.353	-.238
280	617	.028	.105	.603	-.278
280	618	-.017	.089	.382	-.327
280	619	.100	.091	.448	-.199
280	620	.003	.086	.335	-.300
280	621	.009	.089	.438	-.288
280	622	.032	.087	.410	-.279
280	623	.069	.077	.366	-.182
280	624	.051	.095	.469	-.237
280	625	-.008	.086	.274	-.284
280	626	-.009	.079	.266	-.316
280	701	.023	.088	.350	-.301
280	702	-.037	.097	.284	-.465
280	703	-.117	.139	.368	-.629
280	704	-.039	.088	.258	-.371
280	705	-.015	.071	.225	-.248
280	706	-.124	.103	.269	-.550
280	707	-.016	.107	.476	-.567
280	708	-.058	.090	.250	-.375
280	709	-.022	.078	.252	-.312
280	710	-.010	.081	.279	-.265
280	711	-.092	.134	.382	-.708

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
280	712	-.033	.086	.282	-.309
280	713	-.000	.072	.234	-.280
280	714	-.034	.086	.250	-.359
280	715	.009	.088	.311	-.357
280	716	-.026	.093	.238	-.433
280	717	-.002	.075	.234	-.289
280	718	-.005	.079	.267	-.299
280	719	-.041	.115	.475	-.443
280	720	-.015	.087	.359	-.309
280	721	.017	.072	.254	-.221
280	722	-.042	.087	.243	-.328
280	723	-.090	.094	.241	-.457
280	724	-.039	.087	.257	-.364
280	725	-.011	.079	.245	-.272
280	726	.062	.091	.426	-.252
280	727	-.015	.088	.343	-.302
280	728	.006	.068	.206	-.256
280	729	-.004	.078	.229	-.325
280	801	-.056	.085	.234	-.390
280	802	-.011	.078	.216	-.355
280	803	-.009	.070	.236	-.244
280	804	-.018	.080	.250	-.285
280	805	-.021	.080	.243	-.289
280	806	-.002	.078	.270	-.269
280	807	-.010	.072	.245	-.308
280	808	-.014	.082	.276	-.365
280	809	-.010	.086	.298	-.362
280	810	-.004	.082	.299	-.336
280	811	-.007	.079	.258	-.270
280	812	-.014	.091	.294	-.313
280	813	-.034	.093	.279	-.330
280	814	-.051	.093	.257	-.364
280	815	-.056	.076	.212	-.352
280	816	-.025	.086	.315	-.320
280	817	-.053	.087	.284	-.367
280	818	-.020	.086	.351	-.296
280	819	-.018	.073	.258	-.270
280	820	-.044	.085	.249	-.353
280	821	-.063	.088	.248	-.445
280	822	-.048	.086	.250	-.350
280	823	-.037	.076	.216	-.297
280	901	-.097	.105	.229	-.494
280	902	-.029	.090	.314	-.331
280	903	-.049	.088	.256	-.382
280	904	-.028	.075	.215	-.270
280	905	-.019	.088	.279	-.350
280	906	-.110	.102	.240	-.544
280	907	-.029	.086	.252	-.586
280	908	-.052	.081	.218	-.371
280	909	-.017	.084	.265	-.340

APPENDIX A -- PRESSURE DATA: CONFIGURATION A: ONE LOGAN SQUARE

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
280	910	-.005	.097	.336	-.413
280	911	-.142	.111	.278	-.689
280	912	-.018	.076	.284	-.312
280	913	-.056	.102	.257	-.549
280	914	-.036	.088	.299	-.372
280	915	-.061	.096	.255	-.488
280	916	-.027	.077	.254	-.341
280	917	-.028	.086	.271	-.356
280	918	-.064	.090	.244	-.373
280	919	.019	.094	.400	-.359
280	920	.012	.085	.364	-.275
280	921	-.018	.084	.290	-.312
280	922	-.114	.191	.363	-1.630
280	923	.027	.092	.391	-.302
280	924	-.027	.080	.354	-.281
280	925	.009	.084	.305	-.266
280	1001	.009	.068	.228	-.197
280	1002	.006	.078	.255	-.233
280	1003	-.019	.080	.242	-.269
280	1004	.000	.079	.264	-.271
280	1005	-.020	.071	.271	-.297
290	1	-.084	.103	.352	-.499
290	2	-.008	.095	.364	-.575
290	3	-.053	.085	.231	-.381
290	4	-.047	.105	.304	-.459
290	5	-.124	.113	.244	-.557
290	6	-.119	.113	.259	-.599
290	7	-.311	.121	.083	-.772
290	8	-.310	.120	.055	-.709
290	9	-.072	.091	.233	-.407
290	10	-.028	.086	.222	-.336
290	11	-.072	.079	.208	-.426
290	12	-.065	.094	.277	-.491
290	13	-.161	.117	.284	-.650
290	14	-.227	.149	.294	-.710
290	15	-.369	.123	.025	-.828
290	101	-.013	.081	.268	-.381
290	102	-.044	.096	.322	-.493
290	103	-.106	.106	.230	-.552
290	104	-.198	.130	.169	-.776
290	105	-.180	.112	.160	-.585
290	106	-.132	.104	.220	-.522
290	107	-.089	.099	.277	-.525
290	108	-.041	.113	.460	-.657
290	109	-.028	.120	.298	-.593
290	110	-.254	.149	.233	-1.105
290	111	-.379	.123	.021	-.863
290	112	-.401	.151	.039	-1.210
290	113	-.044	.093	.239	-.566
290	114	-.040	.082	.218	-.310
290	115	-.185	.113	.165	-.599
290	116	-.146	.102	.171	-.511
290	117	-.052	.108	.297	-.514
290	118	-.213	.129	.287	-.705
290	119	-.277	.122	.111	-.696
290	120	-.113	.104	.235	-.476
290	121	-.039	.098	.261	-.407
290	122	-.080	.085	.203	-.403
290	123	-.094	.099	.183	-.710
290	124	-.122	.107	.203	-.649
290	125	-.096	.102	.198	-.628
290	126	-.091	.100	.253	-.549
290	127	-.076	.097	.251	-.534
290	128	-.032	.099	.264	-.661
290	129	-.031	.115	.304	-.921
290	130	-.188	.183	.301	-1.013
290	131	-.339	.148	.139	-.894
290	132	-.332	.142	.062	-.901
290	133	.009	.077	.269	-.373
290	134	-.016	.089	.261	-.394
290	135	-.052	.092	.260	-.449
290	136	-.097	.102	.191	-.490
290	137	-.079	.083	.170	-.449
290	138	-.102	.094	.179	-.492
290	139	-.097	.093	.185	-.467
290	140	-.077	.089	.215	-.447
290	141	.005	.079	.281	-.376
290	142	-.040	.134	.375	-.739
290	143	-.199	.207	.348	-1.083
290	144	-.315	.152	.348	-.910
290	145	-.265	.133	.501	-.726
290	146	-.027	.093	.275	-.517
290	147	-.033	.092	.267	-.397
290	148	-.063	.096	.243	-.419
290	149	-.069	.089	.199	-.466
290	150	-.116	.099	.207	-.547
290	151	-.123	.098	.197	-.560
290	152	-.105	.095	.213	-.480
290	153	-.041	.080	.214	-.347
290	154	-.023	.097	.275	-.483
290	155	-.049	.139	.344	-.616
290	156	-.180	.196	.352	-1.175
290	157	-.265	.143	.290	-.811
290	158	-.292	.157	.279	-.879
290	159	-.007	.085	.257	-.350
290	160	-.010	.085	.262	-.362
290	161	-.012	.082	.265	-.379
290	162	-.105	.106	.252	-.513
290	163	-.149	.106	.178	-.734
290	164	-.147	.104	.188	-.623
290	165	-.074	.083	.219	-.401
290	166	-.083	.093	.266	-.421
290	167	-.028	.098	.301	-.412
290	168	-.042	.132	.305	-.614
290	169	-.119	.183	.353	-.907
290	170	-.298	.196	.481	-1.204
290	171	-.303	.186	.481	-1.327
290	172	.009	.079	.284	-.300
290	173	.046	.070	.276	-.223
290	174	-.007	.085	.270	-.322
290	175	-.101	.101	.200	-.527
290	176	-.167	.103	.154	-.589
290	177	-.120	.095	.180	-.474
290	178	-.110	.097	.215	-.454
290	179	-.086	.091	.228	-.447
290	180	-.011	.088	.261	-.420
290	181	.005	.093	.265	-.470
290	182	-.090	.174	.318	-.862
290	183	-.288	.195	.267	-1.577
290	184	-.231	.175	.281	-1.237
290	185	.017	.067	.231	-.232
290	186	.022	.072	.266	-.249
290	187	-.033	.081	.229	-.316
290	188	.000	.081	.262	-.271
290	189	-.112	.099	.190	-.628
290	190	-.108	.105	.223	-.621
290	191	-.112	.094	.219	-.486
290	192	-.037	.083	.258	-.319
290	193	.012	.076	.281	-.237
290	194	.032	.088	.345	-.270
290	195	-.056	.129	.342	-.746
290	196	-.209	.207	.324	-1.389
290	197	-.205	.165	.169	-1.254
290	198	-.011	.085	.254	-.281
290	199	-.013	.084	.267	-.289
290	200	-.065	.094	.225	-.410
290	201	-.024	.078	.217	-.296
290	202	.002	.087	.298	-.284
290	203	-.031	.089	.258	-.402
290	204	-.006	.084	.257	-.294
290	205	.010	.077	.270	-.228
290	206	.012	.087	.319	-.260
290	207	-.029	.088	.255	-.304
290	208	.013	.084	.291	-.251
290	209	-.074	.088	.218	-.375
290	210	-.001	.088	.322	-.314
290	211	-.068	.084	.198	-.482
290	212	.013	.084	.315	-.314
290	213	.044	.084	.400	-.255
290	214	-.099	.184	.421	-1.240

APPENDIX A -- PRESSURE DATA: CONFIGURATION A: ONE LOGAN SQUARE

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
290	215	-.154	.181	.216	-1.631
290	216	.015	.083	.278	-.258
290	217	.022	.076	.286	-.232
290	218	.026	.085	.331	-.247
290	219	-.017	.089	.296	-.315
290	220	.013	.087	.345	-.262
290	221	.023	.074	.258	-.275
290	222	.025	.082	.301	-.326
290	223	-.031	.087	.249	-.398
290	224	.012	.083	.271	-.328
290	225	.143	.090	.478	-.184
290	301	.197	.123	.691	-.167
290	302	.227	.136	.690	-.187
290	303	.166	.142	.766	-.305
290	304	.160	.133	.652	-.234
290	305	.092	.113	.518	-.267
290	306	.314	.151	1.111	-.168
290	307	.311	.164	1.017	-.232
290	308	.162	.146	.893	-.333
290	309	.222	.131	.670	-.187
290	310	.385	.161	.901	-.097
290	311	.218	.144	.801	-.236
290	312	.131	.121	.610	-.317
290	313	.207	.121	.649	-.163
290	314	.326	.140	.888	-.079
290	315	.394	.155	.878	-.046
290	316	.243	.132	.706	-.246
290	317	.125	.118	.484	-.299
290	318	.184	.139	.707	-.226
290	319	.244	.160	.798	-.212
290	320	.356	.163	.898	-.065
290	321	.201	.111	.612	-.117
290	322	.083	.115	.515	-.263
290	323	.114	.134	.595	-.417
290	324	.247	.132	.742	-.225
290	325	.352	.136	.906	-.036
290	326	.208	.126	.661	-.184
290	327	.025	.127	.467	-.365
290	328	.092	.125	.595	-.344
290	329	.187	.115	.651	-.129
290	330	.267	.130	.799	-.128
290	331	.110	.125	.606	-.292
290	332	.043	.117	.493	-.405
290	333	.032	.107	.460	-.352
290	334	.097	.101	.485	-.302
290	335	.158	.089	.511	-.140
290	336	.118	.099	.489	-.237
290	337	.020	.116	.378	-.412
290	338	.103	.085	.392	-.189
290	339	.115	.073	.353	-.161
290	340	.139	.088	.493	-.183
290	341	.141	.092	.446	-.225
290	342	.170	.095	.545	-.198
290	343	.161	.083	.597	-.080
290	344	.166	.096	.653	-.133
290	345	.104	.090	.491	-.318
290	346	.090	.086	.407	-.194
290	401	-.216	.120	.227	-1.111
290	402	-.384	.137	.117	-1.397
290	403	-.275	.136	.138	-.824
290	404	-.241	.155	.276	-.996
290	405	-.091	.151	.374	-.894
290	406	-.163	.140	.292	-1.021
290	407	-.026	.111	.377	-.861
290	408	-.074	.095	.203	-.504
290	409	-.019	.098	.262	-.409
290	410	-.155	.110	.178	-.524
290	411	-.233	.122	.129	-.779
290	412	-.268	.109	.094	-.664
290	413	-.218	.131	.173	-.780
290	414	-.138	.107	.206	-.588
290	415	-.027	.094	.273	-.599
290	416	-.050	.086	.251	-.526
290	417	.012	.087	.304	-.397
290	418	-.124	.098	.195	-.559
290	419	-.020	.087	.275	-.396
290	420	-.259	.106	.060	-.713
290	421	-.192	.114	.152	-.707
290	422	-.379	.150	.094	-1.016
290	423	-.191	.135	.276	-.707
290	424	-.149	.108	.288	-.524
290	425	-.021	.103	.308	-.383
290	426	-.121	.109	.243	-.613
290	427	-.009	.092	.305	-.341
290	428	-.054	.085	.259	-.403
290	429	.010	.091	.373	-.345
290	430	-.382	.147	.088	-1.403
290	431	-.255	.134	.172	-1.181
290	432	-.320	.135	.134	-.979
290	433	-.174	.144	.330	-.759
290	434	-.221	.147	.257	-.832
290	435	-.032	.107	.368	-.448
290	436	-.040	.084	.257	-.455
290	437	.019	.083	.309	-.287
290	438	-.118	.095	.232	-.520
290	439	-.281	.149	.103	-1.076
290	440	-.370	.136	.087	-.904
290	441	-.256	.176	.253	-.993
290	442	-.278	.174	.216	-1.025
290	443	-.051	.119	.432	-.613
290	444	-.034	.085	.313	-.437
290	445	-.037	.088	.316	-.272
290	446	-.091	.095	.198	-.442
290	447	.009	.087	.277	-.311
290	448	-.024	.076	.226	-.281
290	449	-.311	.166	.149	-.997
290	450	-.494	.200	.194	-1.397
290	451	-.196	.206	.300	-1.012
290	452	-.055	.100	.280	-.524
290	453	.017	.088	.363	-.273
290	454	-.115	.098	.260	-.449
290	455	.003	.086	.336	-.289
290	456	-.020	.074	.212	-.293
290	457	.037	.081	.286	-.244
290	458	-.418	.271	.155	-1.693
290	459	-.274	.273	.251	-1.699
290	460	.012	.088	.354	-.448
290	461	.062	.084	.341	-.177
290	462	-.105	.094	.275	-.385
290	463	-.017	.083	.282	-.320
290	464	-.036	.079	.203	-.297
290	465	.028	.085	.293	-.290
290	466	-.104	.096	.188	-.444
290	467	.002	.088	.272	-.317
290	468	-.042	.072	.192	-.362
290	469	.026	.078	.308	-.330
290	470	-.103	.088	.229	-.516
290	471	.003	.080	.276	-.355
290	472	-.015	.111	.360	-.795
290	473	.049	.118	.401	-.510
290	474	-.037	.101	.259	-.525
290	475	.059	.089	.308	-.305
290	476	.012	.082	.298	-.250
290	477	.003	.085	.289	-.368
290	478	-.018	.086	.284	-.392
290	479	.003	.084	.301	-.364
290	501	-.026	.074	.224	-.257
290	502	-.010	.092	.300	-.336
290	503	-.053	.086	.240	-.331
290	504	-.034	.084	.246	-.311
290	505	-.025	.078	.252	-.297
290	506	-.017	.087	.273	-.304
290	507	-.017	.088	.303	-.322
290	508	.016	.086	.283	-.326
290	509	.027	.079	.323	-.272
290	510	-.044	.099	.325	-.391
290	511	-.034	.085	.288	-.281
290	512	-.009	.084	.308	-.261
290	513	-.039	.077	.196	-.350
290	514	-.003	.085	.320	-.303

APPENDIX A -- PRESSURE DATA: CONFIGURATION A; ONE LOGAN SQUARE

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
290	515	-.012	.082	.258	-.326
290	516	.024	.081	.291	-.249
290	517	.046	.073	.327	-.189
290	518	-.027	.095	.289	-.564
290	519	-.066	.087	.267	-.357
290	520	-.011	.084	.307	-.283
290	521	.008	.070	.266	-.217
290	522	-.031	.081	.281	-.314
290	523	-.004	.080	.290	-.281
290	524	.031	.079	.314	-.239
290	525	.054	.073	.337	-.137
290	526	-.007	.097	.375	-.379
290	601	.013	.125	.757	-.395
290	602	.093	.120	.798	-.227
290	603	.136	.089	.588	-.146
290	604	.115	.103	.566	-.193
290	605	.012	.092	.329	-.316
290	606	.064	.084	.365	-.220
290	607	.066	.072	.310	-.182
290	608	.051	.084	.318	-.254
290	609	.066	.091	.408	-.240
290	610	.044	.082	.316	-.265
290	611	.119	.078	.480	-.162
290	612	.056	.087	.400	-.275
290	613	.038	.123	.487	-.403
290	614	.042	.102	.566	-.279
290	615	.075	.080	.394	-.244
290	616	.065	.107	.678	-.282
290	617	.049	.118	.526	-.302
290	618	-.020	.100	.307	-.531
290	619	.114	.085	.497	-.176
290	620	.016	.089	.323	-.381
290	621	.038	.090	.368	-.286
290	622	.060	.089	.399	-.274
290	623	.103	.076	.372	-.130
290	624	.073	.086	.451	-.206
290	625	.010	.083	.288	-.264
290	626	-.000	.078	.277	-.289
290	701	.048	.082	.365	-.285
290	702	-.058	.109	.297	-.844
290	703	-.082	.123	.314	-.563
290	704	.002	.090	.348	-.301
290	705	.026	.076	.280	-.200
290	706	-.071	.094	.275	-.374
290	707	.020	.110	.580	-.381
290	708	-.070	.097	.264	-.484
290	709	-.015	.081	.262	-.403
290	710	-.000	.085	.323	-.372
290	711	-.060	.117	.303	-.709
290	712	.009	.086	.306	-.302
290	713	.036	.072	.280	-.268
290	714	.015	.087	.307	-.345
290	715	.037	.098	.364	-.378
290	716	-.034	.090	.273	-.357
290	717	.006	.075	.230	-.242
290	718	.010	.080	.261	-.268
290	719	-.026	.103	.446	-.461
290	720	.023	.086	.340	-.240
290	721	.030	.073	.302	-.220
290	722	.018	.082	.319	-.236
290	723	-.028	.089	.295	-.315
290	724	.012	.086	.340	-.259
290	725	.029	.077	.345	-.244
290	726	.093	.094	.469	-.211
290	727	-.002	.086	.328	-.280
290	728	.013	.068	.263	-.201
290	729	.005	.078	.271	-.250
290	801	-.057	.085	.229	-.371
290	802	.002	.081	.288	-.261
290	803	-.003	.070	.217	-.257
290	804	-.020	.081	.237	-.315
290	805	-.007	.081	.253	-.304
290	806	.004	.080	.261	-.285
290	807	-.010	.075	.256	-.261
290	808	-.021	.087	.280	-.324
290	809	-.013	.087	.285	-.302
290	810	-.002	.085	.307	-.283
290	811	-.001	.071	.264	-.255
290	812	-.016	.081	.291	-.291
290	813	-.038	.082	.269	-.319
290	814	-.009	.083	.273	-.298
290	815	-.012	.072	.246	-.315
290	816	.008	.081	.292	-.304
290	817	-.018	.082	.276	-.334
290	818	.005	.082	.283	-.301
290	819	.023	.070	.241	-.201
290	820	.010	.080	.275	-.269
290	821	-.010	.083	.279	-.269
290	822	.005	.081	.268	-.281
290	823	.022	.071	.268	-.244
290	901	-.035	.098	.274	-.379
290	902	-.015	.084	.249	-.311
290	903	.001	.083	.285	-.346
290	904	.024	.073	.270	-.211
290	905	.011	.084	.289	-.316
290	906	-.052	.103	.314	-.453
290	907	.011	.088	.345	-.301
290	908	-.071	.083	.173	-.383
290	909	-.010	.084	.244	-.311
290	910	.021	.092	.365	-.323
290	911	-.074	.102	.236	-.478
290	912	.031	.079	.313	-.249
290	913	-.091	.109	.270	-.575
290	914	-.036	.091	.351	-.455
290	915	-.078	.101	.353	-.596
290	916	-.022	.076	.229	-.359
290	917	-.003	.080	.307	-.299
290	918	-.014	.084	.347	-.336
290	919	.056	.087	.434	-.232
290	920	.028	.076	.267	-.244
290	921	.018	.083	.294	-.251
290	922	.027	.135	.450	-.693
290	923	.057	.089	.381	-.255
290	924	.004	.072	.239	-.228
290	925	.006	.083	.279	-.400
290	1001	.017	.075	.275	-.237
290	1002	.018	.085	.317	-.247
290	1003	-.016	.087	.302	-.304
290	1004	.018	.087	.316	-.265
290	1005	.009	.075	.252	-.290
300	1	-.117	.108	.324	-.535
300	2	-.032	.100	.310	-.389
300	3	-.096	.084	.210	-.446
300	4	-.099	.101	.305	-.536
300	5	-.136	.111	.268	-.780
300	6	-.132	.120	.313	-.651
300	7	-.288	.124	.160	-.830
300	8	-.251	.112	.116	-.753
300	9	-.101	.104	.277	-.473
300	10	-.047	.095	.317	-.407
300	11	-.097	.079	.152	-.371
300	12	-.084	.088	.200	-.377
300	13	-.192	.108	.185	-.611
300	14	-.087	.144	.367	-.726
300	15	-.363	.131	.098	-.947
300	101	-.022	.087	.294	-.351
300	102	-.061	.103	.312	-.430
300	103	-.135	.109	.231	-.511
300	104	-.245	.131	.180	-.721
300	105	-.192	.115	.207	-.602
300	106	-.156	.106	.239	-.592
300	107	-.121	.106	.224	-.608
300	108	-.073	.129	.280	-.598
300	109	.029	.107	.418	-.530
300	110	-.085	.154	.364	-.650
300	111	-.261	.140	.181	-.834
300	112	-.309	.176	.380	-.984
300	113	-.050	.091	.289	-.438
300	114	-.050	.077	.205	-.431
300	115	-.196	.114	.148	-.638

APPENDIX A -- PRESSURE DATA: CONFIGURATION A: ONE LOGAN SQUARE

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
300	116	-.185	.105	.135	-.609
300	117	-.107	.113	.253	-.533
300	118	.005	.136	.533	-.443
300	119	-.207	.128	.213	-.826
300	120	-.116	.102	.249	-.549
300	121	-.037	.095	.302	-.489
300	122	-.094	.081	.263	-.463
300	123	-.142	.105	.138	-.517
300	124	-.148	.111	.160	-.553
300	125	-.134	.100	.161	-.546
300	126	-.114	.089	.201	-.449
300	127	-.092	.086	.228	-.396
300	128	-.015	.085	.303	-.387
300	129	.046	.079	.309	-.281
300	130	.008	.124	.384	-.589
300	131	-.209	.206	.449	-.848
300	132	-.232	.174	.390	-1.032
300	133	-.005	.076	.215	-.302
300	134	-.029	.089	.248	-.412
300	135	-.085	.096	.190	-.645
300	136	-.149	.105	.156	-.566
300	137	-.098	.082	.155	-.416
300	138	-.121	.093	.176	-.469
300	139	-.115	.086	.170	-.423
300	140	-.079	.081	.180	-.346
300	141	.042	.074	.288	-.208
300	142	.057	.097	.394	-.354
300	143	.031	.161	.413	-.899
300	144	-.175	.203	.494	-1.054
300	145	-.125	.163	.533	-.737
300	146	-.033	.099	.261	-.446
300	147	-.049	.099	.262	-.450
300	148	-.089	.104	.289	-.492
300	149	-.111	.094	.171	-.513
300	150	-.146	.110	.189	-.603
300	151	-.158	.109	.176	-.599
300	152	-.121	.096	.238	-.468
300	153	-.048	.074	.191	-.311
300	154	.019	.088	.393	-.314
300	155	.043	.102	.459	-.445
300	156	.029	.158	.547	-.918
300	157	-.102	.173	.455	-.698
300	158	-.132	.181	.521	-.903
300	159	-.020	.092	.266	-.400
300	160	-.018	.092	.271	-.364
300	161	-.022	.093	.317	-.445
300	162	-.130	.117	.254	-.676
300	163	-.195	.113	.115	-.662
300	164	-.187	.112	.115	-.628
300	165	-.105	.080	.144	-.449
300	166	-.093	.087	.201	-.450
300	167	.000	.084	.311	-.299
300	168	.042	.091	.355	-.387
300	169	.041	.128	.376	-.519
300	170	-.133	.196	.434	-1.113
300	171	-.157	.185	.454	-1.096
300	172	.003	.084	.276	-.263
300	173	.032	.070	.276	-.225
300	174	-.002	.087	.270	-.352
300	175	-.120	.113	.228	-.523
300	176	-.236	.124	.207	-.758
300	177	-.203	.109	.122	-.573
300	178	-.145	.101	.149	-.506
300	179	-.104	.091	.176	-.433
300	180	.026	.083	.312	-.292
300	181	.063	.082	.398	-.241
300	182	.048	.126	.444	-.638
300	183	-.115	.200	.430	-1.188
300	184	-.086	.179	.484	-.939
300	185	.011	.077	.267	-.238
300	186	.016	.083	.296	-.257
300	187	-.029	.090	.279	-.325
300	188	.004	.091	.312	-.333
300	189	-.125	.118	.193	-.746
300	190	-.127	.124	.202	-.794
300	191	-.102	.105	.244	-.557
300	192	-.020	.091	.297	-.384
300	193	.051	.073	.322	-.260
300	194	.063	.083	.379	-.253
300	195	.023	.093	.359	-.501
300	196	-.018	.142	.427	-.978
300	197	-.028	.147	.464	-.771
300	198	-.005	.084	.278	-.319
300	199	-.003	.082	.387	-.306
300	200	-.066	.101	.257	-.620
300	201	.003	.076	.263	-.230
300	202	.030	.084	.299	-.238
300	203	-.001	.087	.274	-.288
300	204	-.012	.095	.285	-.289
300	205	.039	.083	.307	-.243
300	206	.022	.094	.310	-.343
300	207	-.034	.093	.256	-.398
300	208	.011	.089	.289	-.332
300	209	-.081	.086	.323	-.385
300	210	-.004	.089	.271	-.400
300	211	-.079	.085	.166	-.515
300	212	.039	.083	.391	-.241
300	213	.093	.078	.368	-.143
300	214	.070	.111	.410	-.742
300	215	-.008	.144	.374	-1.049
300	216	.018	.081	.296	-.235
300	217	.021	.078	.303	-.269
300	218	.011	.087	.334	-.313
300	219	-.004	.092	.323	-.390
300	220	.028	.090	.320	-.329
300	221	.062	.077	.332	-.189
300	222	.072	.088	.414	-.183
300	223	.003	.091	.336	-.302
300	224	.042	.086	.355	-.228
300	225	.123	.090	.423	-.159
300	301	.251	.138	.750	-.165
300	302	.250	.146	.773	-.211
300	303	.142	.137	.605	-.295
300	304	.110	.122	.580	-.288
300	305	.052	.100	.452	-.325
300	306	.326	.151	.857	-.081
300	307	.272	.157	.820	-.174
300	308	.233	.150	.872	-.227
300	309	.281	.144	.803	-.156
300	310	.365	.166	.931	-.149
300	311	.158	.139	.705	-.370
300	312	.080	.117	.541	-.365
300	313	.292	.143	.818	-.086
300	314	.356	.161	.947	-.103
300	315	.330	.163	.864	-.151
300	316	.162	.125	.583	-.250
300	317	.083	.098	.460	-.260
300	318	.269	.146	.808	-.208
300	319	.300	.161	.929	-.199
300	320	.335	.151	.914	-.100
300	321	.153	.113	.573	-.189
300	322	.035	.111	.406	-.342
300	323	.195	.143	.755	-.255
300	324	.282	.139	.883	-.186
300	325	.301	.140	.779	-.128
300	326	.133	.126	.616	-.332
300	327	-.035	.123	.397	-.475
300	328	.155	.136	.702	-.294
300	329	.236	.122	.749	-.116
300	330	.241	.134	.786	-.103
300	331	.047	.122	.615	-.341
300	332	-.020	.114	.448	-.425
300	333	.088	.102	.475	-.292
300	334	.126	.096	.472	-.200
300	335	.140	.087	.494	-.103
300	336	.070	.098	.501	-.230
300	337	-.040	.111	.392	-.467
300	338	.102	.088	.455	-.170
300	339	.100	.073	.385	-.160
300	340	.111	.087	.507	-.213

APPENDIX A -- PRESSURE DATA: CONFIGURATION A: ONE LOGAN SQUARE

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
300	341	.102	.091	.530	-.207
300	342	.127	.093	.586	-.197
300	343	.145	.087	.501	-.137
300	344	.150	.102	.589	-.164
300	345	.074	.100	.432	-.279
300	346	.045	.104	.409	-.371
300	401	-.165	.103	.229	-.727
300	402	-.336	.117	.109	-.988
300	403	-.232	.115	.209	-.787
300	404	-.254	.133	.126	-.990
300	405	-.120	.154	.310	-1.072
300	406	-.199	.156	.221	-1.162
300	407	-.042	.121	.398	-.914
300	408	-.077	.106	.273	-.677
300	409	-.015	.099	.305	-.474
300	410	-.170	.108	.205	-.641
300	411	-.187	.105	.183	-.567
300	412	-.217	.094	.084	-.516
300	413	-.173	.109	.151	-.644
300	414	-.160	.113	.146	-.638
300	415	-.043	.098	.229	-.426
300	416	-.070	.086	.233	-.437
300	417	.003	.091	.294	-.396
300	418	-.138	.105	.166	-.554
300	419	-.028	.093	.243	-.419
300	420	-.205	.091	.095	-.580
300	421	-.137	.097	.182	-.539
300	422	-.325	.119	.073	-.849
300	423	-.187	.110	.184	-.710
300	424	-.189	.096	.137	-.597
300	425	-.058	.097	.295	-.501
300	426	-.165	.107	.226	-.581
300	427	-.024	.090	.317	-.385
300	428	-.066	.087	.205	-.397
300	429	.009	.093	.306	-.379
300	430	-.367	.131	.093	-.983
300	431	-.232	.118	.181	-.788
300	432	-.284	.115	.064	-.937
300	433	-.188	.122	.305	-.675
300	434	-.284	.139	.156	-.849
300	435	-.081	.118	.332	-.500
300	436	-.064	.092	.228	-.424
300	437	.017	.090	.310	-.330
300	438	-.127	.103	.204	-.518
300	439	-.286	.140	.102	-.863
300	440	-.335	.128	.026	-1.105
300	441	-.255	.147	.219	-.831
300	442	-.341	.156	.122	-1.075
300	443	-.103	.123	.284	-.717
300	444	-.070	.090	.294	-.436
300	445	.019	.089	.383	-.313
300	446	-.107	.097	.231	-.471
300	447	.001	.089	.312	-.331
300	448	-.028	.077	.232	-.297
300	449	-.296	.163	.121	-1.053
300	450	-.488	.192	.005	-1.447
300	451	-.305	.183	.314	-1.065
300	452	-.103	.112	.224	-.538
300	453	.003	.094	.380	-.363
300	454	-.125	.101	.254	-.467
300	455	-.002	.088	.311	-.303
300	456	-.032	.080	.246	-.316
300	457	.033	.087	.336	-.274
300	458	-.457	.276	.162	-2.329
300	459	-.327	.268	.211	-2.402
300	460	-.046	.123	.340	-.553
300	461	.054	.085	.327	-.329
300	462	-.116	.095	.224	-.568
300	463	-.029	.085	.249	-.432
300	464	-.045	.075	.227	-.315
300	465	.026	.081	.353	-.284
300	466	-.112	.093	.239	-.473
300	467	-.009	.084	.300	-.326
300	468	-.051	.073	.185	-.311
300	469	.021	.079	.278	-.252
300	470	-.120	.091	.171	-.477
300	471	-.005	.081	.248	-.291
300	472	-.104	.139	.268	-.783
300	473	-.042	.153	.351	-.979
300	474	-.055	.109	.326	-.792
300	475	.056	.084	.348	-.277
300	476	.005	.083	.324	-.317
300	477	-.015	.077	.208	-.285
300	478	-.033	.078	.192	-.322
300	479	-.014	.077	.201	-.297
300	501	-.024	.077	.238	-.295
300	502	.056	.090	.423	-.296
300	503	-.053	.090	.275	-.350
300	504	-.035	.091	.266	-.324
300	505	-.039	.091	.231	-.541
300	506	-.008	.093	.265	-.481
300	507	.011	.091	.293	-.436
300	508	.049	.088	.342	-.291
300	509	.078	.076	.344	-.214
300	510	.030	.102	.466	-.351
300	511	-.030	.086	.288	-.350
300	512	-.009	.087	.279	-.333
300	513	-.058	.085	.200	-.369
300	514	.003	.086	.320	-.345
300	515	.012	.085	.315	-.308
300	516	.060	.085	.407	-.256
300	517	.093	.077	.386	-.171
300	518	.030	.113	.443	-.334
300	519	-.074	.086	.228	-.363
300	520	-.009	.084	.293	-.355
300	521	-.000	.078	.224	-.286
300	522	-.044	.090	.231	-.361
300	523	.016	.088	.299	-.272
300	524	.063	.088	.398	-.216
300	525	.098	.075	.385	-.157
300	526	.060	.097	.424	-.272
300	601	.056	.116	.506	-.299
300	602	.138	.118	.703	-.212
300	603	.157	.096	.570	-.137
300	604	.132	.098	.533	-.173
300	605	.055	.093	.453	-.243
300	606	.085	.085	.386	-.206
300	607	.091	.075	.363	-.156
300	608	.081	.086	.372	-.240
300	609	.060	.093	.371	-.296
300	610	.079	.084	.425	-.230
300	611	.125	.082	.431	-.152
300	612	.078	.091	.375	-.225
300	613	.058	.126	.604	-.434
300	614	.050	.103	.407	-.297
300	615	.097	.074	.353	-.153
300	616	.077	.101	.481	-.246
300	617	.057	.112	.534	-.299
300	618	-.021	.099	.576	-.405
300	619	.142	.086	.479	-.110
300	620	.019	.089	.407	-.272
300	621	.075	.090	.484	-.189
300	622	.111	.090	.499	-.159
300	623	.147	.084	.437	-.132
300	624	.125	.101	.568	-.209
300	625	.032	.090	.449	-.289
300	626	-.012	.083	.271	-.298
300	701	.071	.073	.303	-.198
300	702	-.076	.097	.259	-.518
300	703	-.027	.100	.281	-.489
300	704	.040	.083	.306	-.256
300	705	.062	.070	.292	-.175
300	706	-.038	.100	.303	-.382
300	707	.051	.097	.416	-.347
300	708	-.075	.096	.254	-.472
300	709	-.010	.080	.262	-.338
300	710	-.001	.085	.273	-.348
300	711	-.027	.101	.257	-.410
300	712	.038	.085	.295	-.217
300	713	.064	.070	.296	-.197

APPENDIX A -- PRESSURE DATA: CONFIGURATION A: ONE LOGAN SQUARE

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
300	714	.065	.085	.352	-.261
300	715	.078	.099	.417	-.297
300	716	-.061	.101	.275	-.467
300	717	.006	.078	.276	-.265
300	718	.009	.084	.299	-.314
300	719	.007	.098	.288	-.471
300	720	.065	.094	.387	-.266
300	721	.020	.077	.267	-.259
300	722	.047	.086	.324	-.238
300	723	.012	.093	.325	-.299
300	724	.070	.089	.471	-.217
300	725	.093	.079	.398	-.172
300	726	.133	.098	.515	-.160
300	727	-.018	.090	.342	-.419
300	728	.017	.072	.259	-.263
300	729	.012	.082	.266	-.289
300	801	-.079	.092	.201	-.456
300	802	-.004	.081	.253	-.286
300	803	-.007	.068	.240	-.236
300	804	-.027	.079	.300	-.294
300	805	-.004	.078	.308	-.266
300	806	.011	.077	.319	-.252
300	807	-.010	.069	.221	-.281
300	808	-.023	.079	.229	-.308
300	809	-.004	.082	.256	-.316
300	810	.008	.078	.261	-.298
300	811	.007	.070	.287	-.207
300	812	-.014	.081	.285	-.287
300	813	-.038	.084	.283	-.307
300	814	.035	.081	.343	-.222
300	815	.024	.071	.269	-.199
300	816	.043	.080	.329	-.197
300	817	.021	.081	.314	-.229
300	818	.041	.081	.326	-.187
300	819	.052	.073	.294	-.216
300	820	.043	.084	.338	-.261
300	821	.022	.087	.277	-.269
300	822	.040	.085	.335	-.272
300	823	.052	.073	.332	-.220
300	901	-.000	.101	.335	-.396
300	902	-.013	.088	.309	-.382
300	903	.032	.087	.330	-.379
300	904	.052	.072	.336	-.238
300	905	.031	.082	.320	-.290
300	906	.005	.095	.337	-.374
300	907	.051	.085	.353	-.305
300	908	-.086	.084	.186	-.520
300	909	.004	.087	.309	-.287
300	910	.054	.094	.375	-.259
300	911	.010	.102	.387	-.403
300	912	.073	.079	.345	-.159
300	913	-.080	.103	.302	-.524
300	914	-.035	.091	.310	-.351
300	915	-.074	.102	.282	-.584
300	916	-.013	.081	.247	-.336
300	917	.028	.085	.285	-.273
300	918	.031	.091	.326	-.259
300	919	.076	.092	.396	-.231
300	920	.059	.075	.356	-.190
300	921	.052	.082	.328	-.217
300	922	.091	.099	.497	-.241
300	923	.090	.091	.437	-.206
300	924	.038	.077	.363	-.225
300	925	-.012	.085	.260	-.472
300	1001	.015	.072	.329	-.205
300	1002	.022	.082	.394	-.220
300	1003	-.024	.084	.376	-.274
300	1004	.009	.090	.364	-.295
300	1005	.026	.072	.258	-.196
310	1	-.149	.112	.268	-.521
310	2	-.062	.102	.292	-.383
310	3	-.134	.087	.173	-.499
310	4	-.125	.101	.187	-.553
310	5	-.183	.114	.218	-.632
310	6	-.197	.128	.166	-.751
310	7	-.339	.128	.069	-.749
310	8	-.250	.111	.078	-.665
310	9	-.127	.103	.370	-.649
310	10	-.061	.087	.225	-.409
310	11	-.116	.081	.132	-.410
310	12	-.083	.094	.223	-.400
310	13	-.230	.111	.125	-.597
310	14	-.074	.135	.349	-.521
310	15	-.279	.141	.185	-1.085
310	101	-.043	.082	.205	-.342
310	102	-.063	.095	.246	-.387
310	103	-.134	.103	.254	-.533
310	104	-.221	.124	.145	-.686
310	105	-.248	.145	.100	-.875
310	106	-.177	.118	.204	-.624
310	107	-.153	.119	.233	-.602
310	108	-.129	.145	.399	-.852
310	109	-.004	.128	.340	-.582
310	110	.058	.137	.553	-.426
310	111	-.093	.146	.449	-.638
310	112	-.116	.244	.812	-.793
310	113	-.063	.088	.210	-.430
310	114	-.080	.082	.201	-.417
310	115	-.183	.117	.188	-.609
310	116	-.196	.112	.199	-.580
310	117	-.164	.114	.199	-.568
310	118	-.110	.110	.453	-.345
310	119	-.114	.134	.428	-.743
310	120	-.147	.100	.204	-.540
310	121	-.061	.093	.265	-.413
310	122	-.095	.084	.231	-.460
310	123	-.185	.122	.201	-.610
310	124	-.322	.146	.193	-.982
310	125	-.301	.138	.039	-.978
310	126	-.162	.102	.149	-.511
310	127	-.120	.095	.256	-.422
310	128	.007	.093	.432	-.278
310	129	.070	.085	.368	-.201
310	130	.100	.109	.518	-.340
310	131	.051	.222	.713	-.739
310	132	.006	.230	.872	-.655
310	133	-.034	.079	.270	-.315
310	134	-.031	.091	.360	-.373
310	135	-.079	.104	.230	-.469
310	136	-.208	.143	.182	-.801
310	137	-.260	.112	.033	-.647
310	138	-.261	.124	.100	-.691
310	139	-.202	.103	.117	-.550
310	140	-.123	.093	.192	-.430
310	141	.059	.075	.335	-.192
310	142	.123	.092	.467	-.182
310	143	.154	.110	.514	-.240
310	144	.109	.222	.635	-.702
310	145	.109	.212	.756	-.513
310	146	-.015	.092	.249	-.353
310	147	-.035	.096	.225	-.419
310	148	-.065	.112	.327	-.551
310	149	-.170	.122	.200	-.749
310	150	-.260	.132	.216	-.783
310	151	-.282	.132	.193	-.801
310	152	-.177	.107	.234	-.586
310	153	-.112	.083	.162	-.431
310	154	.052	.090	.401	-.268
310	155	.102	.098	.481	-.252
310	156	.160	.112	.621	-.260
310	157	.118	.185	.611	-.542
310	158	.103	.207	.678	-.582
310	159	-.011	.090	.298	-.403
310	160	-.002	.090	.302	-.431
310	161	-.016	.091	.280	-.399
310	162	-.137	.149	.245	-.749
310	163	-.312	.142	.075	-.851
310	164	-.297	.139	.085	-.832
310	165	-.170	.099	.152	-.550
310	166	-.109	.101	.230	-.502

APPENDIX A -- PRESSURE DATA: CONFIGURATION A: ONE LOGAN SQUARE

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
310	167	.042	.095	.373	-.307
310	168	.112	.101	.491	-.188
310	169	.182	.111	.668	-.236
310	170	.163	.211	.861	-.746
310	171	.127	.220	.870	-.826
310	172	-.010	.086	.266	-.352
310	173	.004	.071	.255	-.277
310	174	.012	.083	.307	-.368
310	175	-.084	.121	.228	-.861
310	176	-.278	.155	.185	-1.069
310	177	-.260	.136	.077	-.808
310	178	-.138	.119	.241	-.552
310	179	-.091	.105	.302	-.467
310	180	.067	.091	.458	-.258
310	181	.130	.081	.406	-.153
310	182	.148	.102	.580	-.238
310	183	.079	.174	.656	-.866
310	184	.095	.174	.720	-.620
310	185	.015	.074	.303	-.234
310	186	.016	.081	.364	-.252
310	187	-.023	.088	.286	-.332
310	188	.020	.087	.304	-.355
310	189	-.115	.119	.219	-.739
310	190	-.125	.125	.198	-.799
310	191	-.083	.104	.244	-.523
310	192	.006	.089	.280	-.324
310	193	.105	.085	.379	-.274
310	194	.116	.097	.471	-.331
310	195	.091	.106	.509	-.370
310	196	.113	.138	.549	-.574
310	197	.115	.112	.516	-.447
310	198	.021	.081	.261	-.302
310	199	-.000	.089	.273	-.445
310	200	-.068	.106	.283	-.579
310	201	.038	.074	.276	-.376
310	202	.056	.081	.311	-.429
310	203	.027	.085	.293	-.262
310	204	-.006	.091	.277	-.301
310	205	.082	.078	.354	-.209
310	206	.033	.087	.326	-.289
310	207	-.046	.085	.238	-.312
310	208	.004	.082	.280	-.252
310	209	-.084	.091	.192	-.400
310	210	.000	.089	.316	-.361
310	211	-.080	.086	.215	-.393
310	212	.080	.094	.372	-.234
310	213	.167	.089	.529	-.122
310	214	.155	.098	.582	-.234
310	215	.101	.089	.457	-.339
310	216	.015	.082	.339	-.246
310	217	.018	.076	.287	-.249
310	218	-.008	.086	.314	-.312
310	219	.003	.088	.301	-.280
310	220	.033	.087	.331	-.300
310	221	.097	.076	.401	-.152
310	222	.131	.096	.490	-.155
310	223	.042	.094	.386	-.255
310	224	.074	.087	.393	-.213
310	225	.127	.091	.414	-.197
310	301	.280	.134	.749	-.192
310	302	.250	.143	.782	-.223
310	303	.105	.132	.588	-.296
310	304	.064	.115	.559	-.261
310	305	.017	.093	.330	-.298
310	306	.339	.142	.803	-.093
310	307	.222	.138	.695	-.203
310	308	.305	.156	.828	-.319
310	309	.295	.134	.812	-.346
310	310	.308	.141	.840	-.107
310	311	.078	.114	.487	-.271
310	312	.021	.097	.345	-.342
310	313	.381	.161	.954	-.109
310	314	.391	.172	1.022	-.151
310	315	.281	.156	.902	-.129
310	316	.098	.113	.493	-.254
310	317	.044	.092	.371	-.260
310	318	.350	.160	1.035	-.155
310	319	.337	.165	1.047	-.248
310	320	.301	.139	.952	-.136
310	321	.108	.095	.422	-.159
310	322	-.004	.098	.330	-.305
310	323	.238	.163	.921	-.508
310	324	.289	.153	.934	-.537
310	325	.267	.128	.668	-.079
310	326	.072	.109	.464	-.275
310	327	-.088	.106	.320	-.466
310	328	.201	.145	.755	-.359
310	329	.231	.121	.757	-.263
310	330	.192	.123	.668	-.165
310	331	-.009	.115	.379	-.358
310	332	-.057	.106	.331	-.425
310	333	.126	.121	.537	-.472
310	334	.150	.112	.522	-.351
310	335	.119	.093	.500	-.192
310	336	.023	.102	.377	-.318
310	337	-.088	.109	.261	-.511
310	338	.093	.097	.423	-.290
310	339	.098	.077	.361	-.153
310	340	.101	.091	.463	-.198
310	341	.100	.091	.453	-.195
310	342	.125	.091	.501	-.163
310	343	.094	.088	.433	-.279
310	344	.100	.096	.529	-.246
310	345	.014	.099	.503	-.379
310	346	-.023	.107	.492	-.495
310	401	-.162	.097	.134	-.503
310	402	-.172	.097	.127	-.516
310	403	-.197	.101	.167	-.665
310	404	-.165	.113	.184	-.641
310	405	-.148	.153	.343	-1.572
310	406	-.084	.124	.462	-.922
310	407	-.052	.108	.290	-.906
310	408	-.031	.095	.247	-.790
310	409	-.048	.099	.247	-.481
310	410	-.071	.096	.210	-.463
310	411	-.155	.095	.135	-.513
310	412	-.136	.078	.122	-.405
310	413	-.177	.093	.101	-.574
310	414	-.073	.090	.240	-.469
310	415	-.067	.088	.178	-.432
310	416	-.035	.078	.211	-.346
310	417	-.042	.090	.249	-.367
310	418	-.051	.094	.248	-.442
310	419	-.053	.092	.245	-.448
310	420	-.148	.084	.153	-.433
310	421	-.167	.096	.173	-.502
310	422	-.191	.100	.172	-.621
310	423	-.189	.099	.145	-.645
310	424	-.155	.078	.123	-.445
310	425	-.123	.088	.159	-.446
310	426	-.097	.087	.203	-.457
310	427	-.078	.088	.252	-.374
310	428	-.065	.095	.241	-.554
310	429	-.041	.098	.271	-.543
310	430	-.198	.105	.141	-.624
310	431	-.195	.104	.142	-.613
310	432	-.202	.094	.106	-.574
310	433	-.220	.111	.134	-.635
310	434	-.193	.112	.160	-.563
310	435	-.125	.104	.256	-.531
310	436	-.064	.081	.209	-.344
310	437	-.041	.089	.290	-.359
310	438	-.043	.089	.259	-.374
310	439	-.218	.112	.097	-.722
310	440	-.230	.105	.123	-.760
310	441	-.262	.129	.172	-.857
310	442	-.251	.130	.182	-.825
310	443	-.166	.121	.244	-.699
310	444	-.076	.087	.249	-.348
310	445	-.037	.094	.287	-.365

APPENDIX A -- PRESSURE DATA: CONFIGURATION A: ONE LOGAN SQUARE

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
310	446	-.022	.092	.286	-.364
310	447	-.015	.093	.277	-.374
310	448	-.007	.071	.294	-.233
310	449	-.262	.148	.132	-1.190
310	450	-.278	.152	.123	-1.189
310	451	-.293	.150	.326	-1.064
310	452	-.164	.117	.187	-.628
310	453	-.076	.101	.270	-.528
310	454	-.046	.092	.229	-.337
310	455	-.028	.088	.268	-.302
310	456	-.013	.073	.213	-.305
310	457	-.009	.083	.254	-.354
310	458	-.303	.182	.129	-1.250
310	459	-.313	.189	.083	-1.320
310	460	-.144	.158	.236	-.703
310	461	.008	.101	.315	-.360
310	462	-.021	.095	.486	-.370
310	463	-.055	.093	.251	-.401
310	464	-.032	.076	.187	-.321
310	465	-.020	.087	.227	-.328
310	466	-.025	.088	.227	-.349
310	467	-.032	.089	.211	-.382
310	468	-.034	.072	.214	-.300
310	469	-.022	.082	.229	-.326
310	470	-.036	.084	.230	-.300
310	471	-.026	.083	.254	-.289
310	472	-.215	.153	.166	-.990
310	473	-.222	.176	.228	-1.317
310	474	-.023	.168	.443	-.678
310	475	.049	.097	.388	-.479
310	476	-.006	.094	.449	-.344
310	477	-.030	.085	.317	-.346
310	478	-.042	.086	.278	-.350
310	479	-.024	.084	.279	-.361
310	501	-.028	.086	.278	-.368
310	502	-.096	.096	.384	-.262
310	503	-.056	.096	.278	-.378
310	504	-.040	.100	.266	-.390
310	505	-.040	.093	.282	-.470
310	506	.012	.089	.361	-.351
310	507	.043	.089	.369	-.270
310	508	.084	.088	.440	-.279
310	509	.124	.078	.375	-.168
310	510	.110	.114	.532	-.327
310	511	-.024	.085	.298	-.409
310	512	-.008	.090	.320	-.404
310	513	-.060	.081	.175	-.331
310	514	.015	.082	.315	-.266
310	515	.031	.079	.295	-.208
310	516	.080	.079	.336	-.151

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
310	517	.120	.081	.486	-.171
310	518	.090	.113	.562	-.273
310	519	-.075	.090	.202	-.419
310	520	-.003	.087	.277	-.327
310	521	-.003	.083	.228	-.397
310	522	-.046	.095	.237	-.460
310	523	.039	.088	.375	-.264
310	524	.090	.087	.399	-.210
310	525	.128	.074	.423	-.143
310	526	.108	.093	.609	-.221
310	601	.090	.104	.562	-.251
310	602	.163	.114	.760	-.184
310	603	.172	.089	.568	-.103
310	604	.132	.090	.486	-.209
310	605	.109	.105	.592	-.249
310	606	.104	.080	.447	-.162
310	607	.108	.072	.323	-.141
310	608	.102	.086	.398	-.185
310	609	.051	.089	.427	-.260
310	610	.104	.087	.412	-.190
310	611	.151	.075	.428	-.092
310	612	.109	.081	.401	-.184
310	613	.089	.132	.726	-.305
310	614	.061	.095	.518	-.273
310	615	.126	.080	.393	-.145
310	616	.078	.097	.488	-.238
310	617	.050	.120	.580	-.392
310	618	-.015	.097	.359	-.383
310	619	.161	.095	.518	-.180
310	620	.014	.097	.371	-.362
310	621	.099	.097	.409	-.239
310	622	.168	.102	.517	-.199
310	623	.173	.092	.522	-.119
310	624	.161	.115	.637	-.187
310	625	.048	.098	.473	-.283
310	626	-.021	.088	.313	-.357
310	701	.086	.079	.347	-.177
310	702	-.063	.098	.221	-.446
310	703	.023	.099	.381	-.323
310	704	.065	.089	.394	-.241
310	705	.083	.070	.344	-.191
310	706	.005	.097	.323	-.378
310	707	.077	.092	.426	-.322
310	708	-.070	.097	.271	-.505
310	709	-.002	.078	.241	-.395
310	710	.001	.084	.250	-.371
310	711	.025	.093	.330	-.480
310	712	.064	.083	.333	-.268
310	713	.095	.076	.333	-.145
310	714	.099	.088	.395	-.183

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
310	715	.099	.103	.479	-.247
310	716	-.060	.097	.241	-.404
310	717	.006	.076	.289	-.328
310	718	.006	.084	.318	-.275
310	719	.038	.098	.403	-.382
310	720	.108	.102	.505	-.189
310	721	.007	.074	.241	-.287
310	722	.080	.084	.369	-.179
310	723	.056	.101	.482	-.262
310	724	.117	.095	.487	-.177
310	725	.166	.088	.505	-.137
310	726	.193	.109	.638	-.159
310	727	-.029	.100	.364	-.434
310	728	.012	.071	.255	-.218
310	729	.010	.082	.274	-.279
310	801	-.095	.093	.202	-.512
310	802	-.007	.083	.275	-.347
310	803	-.011	.077	.255	-.331
310	804	-.035	.088	.233	-.398
310	805	-.001	.090	.308	-.338
310	806	.014	.089	.292	-.331
310	807	-.016	.073	.217	-.235
310	808	-.030	.084	.245	-.301
310	809	.007	.086	.325	-.253
310	810	.018	.081	.276	-.233
310	811	.017	.071	.259	-.237
310	812	-.013	.081	.249	-.329
310	813	-.039	.084	.216	-.394
310	814	.074	.082	.377	-.209
310	815	.053	.078	.321	-.168
310	816	.071	.087	.371	-.194
310	817	.054	.089	.360	-.221
310	818	.062	.088	.358	-.201
310	819	.094	.081	.363	-.200
310	820	.081	.092	.373	-.253
310	821	.069	.095	.386	-.264
310	822	.085	.095	.408	-.259
310	823	.097	.081	.371	-.155
310	901	.029	.104	.374	-.377
310	902	.001	.092	.284	-.380
310	903	.064	.093	.340	-.345
310	904	.082	.079	.337	-.199
310	905	.059	.089	.406	-.270
310	906	.059	.100	.490	-.290
310	907	.105	.093	.428	-.177
310	908	-.087	.097	.213	-.433
310	909	.022	.096	.348	-.327
310	910	.075	.094	.435	-.243
310	911	.068	.102	.465	-.442
310	912	.103	.082	.404	-.186

APPENDIX A -- PRESSURE DATA: CONFIGURATION A: ONE LOGAN SQUARE

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
310	913	-.068	.101	.250	-.601
310	914	-.036	.096	.310	-.344
310	915	-.061	.107	.260	-.502
310	916	-.016	.081	.268	-.353
310	917	.062	.087	.323	-.247
310	918	.077	.087	.341	-.241
310	919	.097	.088	.426	-.219
310	920	.085	.082	.327	-.211
310	921	.089	.086	.378	-.209
310	922	.154	.105	.595	-.195
310	923	.157	.103	.515	-.149
310	924	.074	.079	.328	-.214
310	925	-.009	.087	.314	-.403
310	1001	-.000	.067	.235	-.220
310	1002	.017	.077	.284	-.241
310	1003	-.033	.079	.280	-.313
310	1004	-.017	.082	.262	-.297
310	1005	.040	.074	.292	-.273
320	1	-.184	.117	.226	-.718
320	2	-.088	.104	.322	-.493
320	3	-.160	.093	.163	-.628
320	4	-.145	.110	.218	-.818
320	5	-.230	.121	.245	-.791
320	6	-.264	.125	.199	-.841
320	7	-.382	.124	.034	-.828
320	8	-.273	.126	.107	-.776
320	9	-.154	.112	.201	-.625
320	10	-.074	.092	.239	-.429
320	11	-.140	.091	.162	-.509
320	12	-.120	.102	.223	-.527
320	13	-.276	.124	.146	-.738
320	14	-.158	.134	.269	-.666
320	15	-.365	.174	.227	-1.176
320	101	-.074	.086	.221	-.506
320	102	-.071	.099	.265	-.566
320	103	-.140	.107	.283	-.612
320	104	-.234	.130	.182	-.726
320	105	-.286	.147	.057	-.832
320	106	-.175	.119	.249	-.613
320	107	-.163	.126	.357	-.656
320	108	-.167	.147	.340	-.601
320	109	-.155	.175	.347	-.716
320	110	.137	.141	.606	-.686
320	111	.107	.171	.618	-.559
320	112	.165	.238	.797	-.746
320	113	-.086	.104	.292	-.555
320	114	-.117	.083	.186	-.378
320	115	-.244	.133	.156	-.668
320	116	-.252	.120	.126	-.632
320	117	-.206	.116	.211	-.600
320	118	.055	.124	.473	-.590
320	119	.001	.197	.840	-.934
320	120	-.165	.104	.179	-.714
320	121	-.069	.097	.274	-.562
320	122	-.086	.085	.202	-.488
320	123	-.143	.106	.176	-.637
320	124	-.327	.157	.172	-.895
320	125	-.386	.152	.002	-.847
320	126	-.147	.111	.214	-.505
320	127	-.103	.105	.244	-.456
320	128	.041	.102	.375	-.318
320	129	.095	.093	.415	-.227
320	130	.174	.119	.676	-.185
320	131	.247	.158	.864	-.456
320	132	.262	.200	.923	-.407
320	133	-.068	.076	.193	-.321
320	134	-.037	.086	.260	-.345
320	135	-.058	.092	.262	-.414
320	136	-.141	.145	.242	-.722
320	137	-.408	.138	-.017	-.978
320	138	-.378	.149	.044	-.996
320	139	-.252	.117	.120	-.724
320	140	-.125	.103	.230	-.498
320	141	.098	.098	.440	-.203
320	142	.208	.114	.662	-.141
320	143	.261	.130	.844	-.129
320	144	.350	.174	.960	-.522
320	145	.321	.169	.775	-.352
320	146	-.028	.085	.246	-.326
320	147	-.050	.088	.229	-.392
320	148	-.038	.096	.313	-.454
320	149	-.167	.144	.176	-.723
320	150	-.339	.151	.117	-.979
320	151	-.371	.151	.087	-1.013
320	152	-.196	.116	.199	-.595
320	153	-.115	.100	.221	-.427
320	154	.123	.101	.514	-.231
320	155	.187	.116	.617	-.241
320	156	.265	.131	.726	-.192
320	157	.301	.151	.764	-.351
320	158	.317	.178	.860	-.406
320	159	-.037	.083	.237	-.384
320	160	-.017	.082	.265	-.370
320	161	-.035	.078	.213	-.338
320	162	-.114	.153	.295	-.951
320	163	-.344	.160	.128	-.968
320	164	-.323	.154	.130	-.931
320	165	-.177	.109	.243	-.509
320	166	-.080	.108	.325	-.430
320	167	.093	.098	.495	-.305
320	168	.178	.103	.648	-.212
320	169	.198	.103	.635	-.103
320	170	.258	.147	.705	-.392
320	171	.225	.162	.685	-.422
320	172	-.029	.078	.245	-.281
320	173	-.029	.072	.221	-.317
320	174	.018	.082	.342	-.268
320	175	-.042	.113	.271	-.671
320	176	-.244	.156	.239	-.866
320	177	-.229	.125	.147	-.697
320	178	-.080	.109	.308	-.505
320	179	-.041	.101	.316	-.399
320	180	.106	.095	.438	-.174
320	181	.180	.087	.517	-.107
320	182	.207	.104	.626	-.123
320	183	.196	.141	.735	-.399
320	184	.217	.146	.763	-.357
320	185	.010	.074	.231	-.221
320	186	.010	.081	.260	-.255
320	187	-.025	.089	.315	-.342
320	188	.031	.089	.360	-.343
320	189	-.127	.130	.215	-.705
320	190	-.140	.138	.234	-.738
320	191	-.082	.110	.300	-.541
320	192	.021	.094	.370	-.339
320	193	.136	.082	.492	-.131
320	194	.149	.094	.522	-.163
320	195	.127	.102	.495	-.207
320	196	.178	.111	.544	-.318
320	197	.169	.116	.682	-.346
320	198	.039	.088	.390	-.292
320	199	.014	.090	.320	-.345
320	200	-.056	.115	.351	-.598
320	201	.065	.078	.330	-.207
320	202	.086	.087	.384	-.222
320	203	.064	.094	.361	-.242
320	204	.011	.099	.395	-.299
320	205	.109	.075	.348	-.222
320	206	.039	.090	.339	-.290
320	207	-.069	.088	.234	-.381
320	208	-.008	.084	.300	-.310
320	209	-.080	.091	.255	-.437
320	210	.010	.083	.366	-.297
320	211	-.075	.081	.237	-.354
320	212	.113	.091	.430	-.184
320	213	.225	.093	.567	-.084
320	214	.201	.102	.595	-.136
320	215	.134	.088	.480	-.159
320	216	.008	.089	.353	-.260
320	217	.014	.079	.305	-.239

APPENDIX A -- PRESSURE DATA: CONFIGURATION A: ONE LOGAN SQUARE

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
320	218	-.023	.089	.258	-.322
320	219	.017	.092	.328	-.299
320	220	.040	.093	.385	-.464
320	221	.136	.083	.388	-.172
320	222	.197	.106	.550	-.139
320	223	.097	.114	.580	-.270
320	224	.116	.098	.459	-.230
320	225	.134	.089	.464	-.177
320	301	.236	.143	.786	-.424
320	302	.196	.141	.788	-.222
320	303	.034	.127	.544	-.355
320	304	-.001	.109	.387	-.377
320	305	-.032	.093	.304	-.323
320	306	.294	.154	.839	-.195
320	307	.137	.139	.602	-.234
320	308	.235	.211	.843	-.580
320	309	.250	.157	.751	-.663
320	310	.255	.143	.788	-.140
320	311	.015	.113	.497	-.348
320	312	-.028	.098	.383	-.361
320	313	.339	.202	.847	-.413
320	314	.334	.209	.881	-.537
320	315	.212	.145	.671	-.190
320	316	.033	.103	.450	-.282
320	317	-.012	.093	.284	-.420
320	318	.330	.219	.981	-.514
320	319	.297	.216	.982	-.541
320	320	.244	.142	.795	-.288
320	321	.045	.095	.412	-.276
320	322	-.051	.097	.314	-.396
320	323	.188	.231	.972	-.635
320	324	.227	.211	.897	-.538
320	325	.193	.117	.621	-.240
320	326	.020	.107	.495	-.338
320	327	-.123	.110	.340	-.501
320	328	.161	.190	.742	-.476
320	329	.185	.154	.676	-.541
320	330	.145	.120	.709	-.545
320	331	-.060	.104	.440	-.390
320	332	-.090	.098	.330	-.430
320	333	.084	.139	.532	-.764
320	334	.106	.124	.528	-.564
320	335	.094	.082	.390	-.250
320	336	-.011	.087	.306	-.400
320	337	-.111	.094	.190	-.512
320	338	.072	.088	.351	-.266
320	339	.087	.079	.351	-.224
320	340	.087	.089	.372	-.261
320	341	.099	.090	.377	-.269
320	342	.116	.089	.422	-.238

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
320	343	.060	.091	.386	-.272
320	344	.074	.092	.411	-.245
320	345	-.023	.089	.292	-.308
320	346	-.072	.091	.272	-.349
320	401	-.152	.096	.168	-.489
320	402	-.165	.096	.155	-.498
320	403	-.198	.113	.173	-.861
320	404	-.179	.118	.188	-.752
320	405	-.124	.139	.245	-1.466
320	406	-.085	.108	.294	-.841
320	407	-.064	.098	.259	-.569
320	408	-.079	.081	.177	-.384
320	409	-.074	.094	.218	-.449
320	410	-.093	.094	.213	-.526
320	411	-.149	.085	.160	-.434
320	412	-.160	.080	.095	-.429
320	413	-.169	.092	.135	-.510
320	414	-.082	.091	.216	-.429
320	415	-.076	.090	.218	-.418
320	416	-.075	.074	.181	-.318
320	417	-.050	.085	.261	-.347
320	418	-.052	.086	.321	-.316
320	419	-.052	.083	.281	-.308
320	420	-.178	.090	.090	-.427
320	421	-.165	.089	.134	-.450
320	422	-.184	.091	.089	-.522
320	423	-.182	.093	.106	-.570
320	424	-.165	.081	.089	-.465
320	425	-.118	.088	.134	-.414
320	426	-.095	.087	.176	-.383
320	427	-.076	.086	.201	-.383
320	428	-.093	.077	.199	-.352
320	429	-.072	.087	.221	-.483
320	430	-.184	.090	.144	-.561
320	431	-.183	.090	.138	-.548
320	432	-.214	.085	.063	-.545
320	433	-.206	.101	.137	-.568
320	434	-.188	.100	.160	-.545
320	435	-.139	.096	.226	-.499
320	436	-.114	.078	.162	-.361
320	437	-.071	.087	.233	-.385
320	438	-.065	.087	.221	-.369
320	439	-.202	.106	.121	-.666
320	440	-.217	.087	.071	-.487
320	441	-.219	.101	.102	-.616
320	442	-.217	.108	.110	-.601
320	443	-.164	.100	.163	-.510
320	444	-.118	.078	.120	-.388
320	445	-.067	.084	.229	-.345
320	446	-.057	.082	.256	-.364

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
320	447	-.051	.083	.256	-.366
320	448	-.055	.074	.210	-.331
320	449	-.195	.104	.131	-.578
320	450	-.208	.105	.126	-.611
320	451	-.265	.118	.097	-.736
320	452	-.211	.114	.115	-.650
320	453	-.101	.105	.276	-.620
320	454	-.072	.101	.275	-.518
320	455	-.058	.093	.247	-.426
320	456	-.059	.081	.247	-.352
320	457	-.039	.091	.304	-.374
320	458	-.242	.134	.262	-1.052
320	459	-.251	.134	.170	-1.285
320	460	-.258	.133	.306	-.823
320	461	-.024	.107	.345	-.610
320	462	-.025	.094	.330	-.390
320	463	-.092	.096	.208	-.455
320	464	-.062	.073	.192	-.317
320	465	-.039	.082	.258	-.310
320	466	-.042	.083	.254	-.327
320	467	-.051	.084	.257	-.338
320	468	-.064	.078	.198	-.324
320	469	-.042	.088	.248	-.346
320	470	-.060	.090	.270	-.394
320	471	-.049	.088	.257	-.356
320	472	-.242	.128	.138	-.804
320	473	-.239	.144	.215	-.960
320	474	-.079	.183	.488	-.826
320	475	.049	.102	.405	-.326
320	476	-.013	.093	.339	-.339
320	477	-.067	.086	.260	-.371
320	478	-.060	.087	.269	-.408
320	479	-.043	.085	.272	-.385
320	501	-.021	.086	.244	-.423
320	502	-.113	.098	.474	-.231
320	503	-.053	.094	.277	-.350
320	504	-.024	.103	.300	-.370
320	505	-.014	.092	.252	-.347
320	506	.037	.089	.359	-.307
320	507	.062	.090	.378	-.288
320	508	.102	.089	.496	-.262
320	509	.132	.078	.479	-.119
320	510	.121	.105	.534	-.270
320	511	-.008	.089	.284	-.292
320	512	.029	.093	.301	-.326
320	513	-.033	.100	.273	-.372
320	514	.047	.101	.464	-.305
320	515	.054	.095	.352	-.297
320	516	.099	.090	.405	-.228
320	517	.146	.084	.518	-.143

APPENDIX A -- PRESSURE DATA: CONFIGURATION A: ONE LOGAN SQUARE

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
320	518	.115	.111	.588	-.364
320	519	-.080	.093	.262	-.390
320	520	.020	.090	.307	-.300
320	521	.020	.089	.337	-.327
320	522	-.022	.103	.370	-.440
320	523	.057	.085	.328	-.208
320	524	.108	.085	.388	-.149
320	525	.133	.078	.431	-.128
320	526	.109	.094	.415	-.251
320	601	.101	.111	.569	-.255
320	602	.150	.126	.603	-.326
320	603	.170	.095	.553	-.163
320	604	.138	.095	.444	-.188
320	605	.106	.107	.564	-.399
320	606	.110	.089	.390	-.216
320	607	.128	.072	.390	-.095
320	608	.115	.084	.381	-.161
320	609	.037	.090	.336	-.298
320	610	.106	.089	.526	-.217
320	611	.152	.079	.406	-.104
320	612	.106	.088	.381	-.187
320	613	.072	.125	.761	-.287
320	614	.063	.091	.346	-.285
320	615	.146	.079	.451	-.151
320	616	.076	.092	.434	-.292
320	617	.055	.114	.448	-.331
320	618	-.011	.102	.397	-.408
320	619	.170	.097	.507	-.229
320	620	.014	.101	.362	-.366
320	621	.106	.094	.402	-.235
320	622	.207	.103	.686	-.146
320	623	.254	.102	.720	-.061
320	624	.264	.136	.997	-.104
320	625	.099	.118	.768	-.276
320	626	-.045	.089	.251	-.388
320	701	.104	.074	.360	-.122
320	702	-.069	.096	.241	-.491
320	703	.068	.092	.380	-.281
320	704	.089	.087	.403	-.180
320	705	.095	.074	.341	-.127
320	706	.030	.099	.376	-.284
320	707	.086	.099	.484	-.241
320	708	-.056	.097	.279	-.486
320	709	-.001	.081	.259	-.331
320	710	.007	.084	.272	-.307
320	711	.061	.093	.372	-.309
320	712	.098	.086	.370	-.204
320	713	.121	.078	.378	-.135
320	714	.115	.091	.469	-.233
320	715	.116	.101	.514	-.219

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
320	716	-.062	.107	.292	-.462
320	717	.004	.079	.252	-.325
320	718	.000	.086	.356	-.356
320	719	.074	.096	.488	-.583
320	720	.171	.099	.681	-.174
320	721	-.012	.079	.240	-.332
320	722	.126	.091	.404	-.186
320	723	.122	.117	.578	-.258
320	724	.184	.107	.517	-.146
320	725	.205	.095	.558	-.044
320	726	.235	.115	.732	-.071
320	727	-.019	.107	.366	-.533
320	728	.008	.078	.265	-.298
320	729	.005	.090	.335	-.375
320	801	-.091	.097	.246	-.438
320	802	-.011	.087	.280	-.337
320	803	-.022	.075	.209	-.283
320	804	-.047	.087	.223	-.339
320	805	-.004	.085	.276	-.290
320	806	.012	.084	.291	-.243
320	807	-.018	.067	.228	-.279
320	808	-.028	.079	.262	-.310
320	809	.010	.079	.300	-.240
320	810	.022	.076	.326	-.248
320	811	.019	.069	.290	-.225
320	812	-.014	.077	.273	-.288
320	813	-.037	.081	.268	-.322
320	814	.103	.083	.357	-.171
320	815	.067	.074	.342	-.159
320	816	.086	.082	.403	-.182
320	817	.078	.084	.413	-.180
320	818	.068	.087	.394	-.323
320	819	.118	.077	.355	-.114
320	820	.106	.092	.395	-.243
320	821	.104	.088	.409	-.160
320	822	.128	.097	.478	-.208
320	823	.133	.079	.417	-.147
320	901	.057	.105	.428	-.255
320	902	.018	.082	.330	-.290
320	903	.083	.087	.335	-.288
320	904	.083	.079	.361	-.212
320	905	.065	.088	.355	-.227
320	906	.076	.097	.392	-.315
320	907	.109	.093	.400	-.183
320	908	-.095	.090	.216	-.439
320	909	.031	.090	.362	-.334
320	910	.097	.084	.362	-.179
320	911	.108	.095	.393	-.261
320	912	.134	.076	.384	-.139
320	913	-.072	.089	.216	-.424

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
320	914	-.043	.091	.252	-.451
320	915	-.064	.112	.248	-.776
320	916	-.018	.084	.345	-.385
320	917	.080	.085	.374	-.243
320	918	.095	.086	.408	-.252
320	919	.109	.088	.421	-.240
320	920	.113	.083	.394	-.262
320	921	.113	.086	.409	-.202
320	922	.201	.113	.736	-.155
320	923	.211	.108	.630	-.174
320	924	.105	.085	.405	-.190
320	925	-.003	.089	.281	-.417
320	1001	-.027	.073	.231	-.278
320	1002	.005	.082	.305	-.286
320	1003	-.054	.085	.264	-.352
320	1004	-.042	.092	.258	-.397
320	1005	.054	.078	.313	-.274
330	1	-.201	.114	.270	-.727
330	2	-.100	.101	.331	-.492
330	3	-.162	.095	.228	-.563
330	4	-.132	.112	.225	-.573
330	5	-.228	.116	.210	-.696
330	6	-.219	.124	.134	-.786
330	7	-.383	.130	-.018	-1.007
330	8	-.295	.134	.050	-.979
330	9	-.174	.117	.211	-.709
330	10	-.087	.099	.241	-.484
330	11	-.149	.086	.154	-.491
330	12	-.129	.098	.251	-.534
330	13	-.302	.131	.153	-.809
330	14	-.187	.133	.269	-.716
330	15	-.420	.189	.136	-1.234
330	101	-.100	.095	.341	-.421
330	102	-.064	.109	.395	-.469
330	103	-.131	.116	.329	-.713
330	104	-.208	.130	.237	-.864
330	105	-.321	.150	.072	-.909
330	106	-.166	.126	.433	-.592
330	107	-.150	.136	.359	-.618
330	108	-.127	.151	.497	-.673
330	109	-.221	.173	.355	-.806
330	110	.083	.197	.623	-.693
330	111	.317	.168	1.025	-.212
330	112	.307	.189	.912	-.191
330	113	-.103	.096	.160	-.540
330	114	-.155	.090	.128	-.471
330	115	-.262	.138	.130	-.904
330	116	-.260	.120	.094	-.728
330	117	-.192	.118	.207	-.623
330	118	-.061	.149	.455	-.541

APPENDIX A -- PRESSURE DATA: CONFIGURATION A: ONE LOGAN SQUARE

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
330	119	.189	.276	1.030	-.863
330	120	-.157	.103	.187	-.578
330	121	-.050	.094	.281	-.455
330	122	-.059	.078	.216	-.434
330	123	-.099	.101	.223	-.551
330	124	-.254	.162	.189	-.897
330	125	-.320	.174	.096	-1.061
330	126	-.067	.123	.402	-.462
330	127	-.031	.119	.392	-.365
330	128	.098	.119	.548	-.237
330	129	.116	.113	.487	-.228
330	130	.223	.141	.708	-.191
330	131	.296	.173	.997	-.233
330	132	.312	.186	.972	-.541
330	133	-.085	.073	.211	-.360
330	134	-.031	.082	.292	-.331
330	135	-.026	.088	.283	-.358
330	136	-.040	.118	.326	-.629
330	137	-.317	.167	.282	-1.020
330	138	-.274	.171	.351	-.996
330	139	-.139	.139	.396	-.596
330	140	.023	.121	.423	-.390
330	141	.174	.121	.675	-.230
330	142	.291	.140	.723	-.140
330	143	.348	.159	.865	-.104
330	144	.415	.182	1.048	-.188
330	145	.340	.155	.966	-.418
330	146	-.035	.089	.290	-.304
330	147	-.049	.092	.280	-.328
330	148	-.007	.095	.333	-.322
330	149	-.077	.125	.240	-.624
330	150	-.300	.180	.302	-.956
330	151	-.332	.176	.218	-1.013
330	152	-.125	.136	.423	-.571
330	153	.057	.107	.313	-.414
330	154	.192	.109	.591	-.125
330	155	.257	.125	.745	-.129
330	156	.325	.137	.824	-.097
330	157	.327	.155	.833	-.200
330	158	.327	.176	.960	-.193
330	159	-.045	.089	.236	-.337
330	160	-.024	.088	.256	-.315
330	161	-.032	.081	.227	-.579
330	162	-.024	.127	.323	-.843
330	163	-.299	.199	.244	-1.013
330	164	-.280	.189	.239	-.956
330	165	-.121	.141	.316	-.614
330	166	-.006	.132	.419	-.431
330	167	.169	.118	.720	-.175
330	168	.244	.125	.715	-.225
330	169	.255	.121	.693	-.075
330	170	.304	.151	.892	-.112
330	171	.259	.167	.949	-.271
330	172	-.044	.090	.256	-.386
330	173	-.057	.078	.296	-.384
330	174	.019	.088	.437	-.345
330	175	.005	.098	.410	-.418
330	176	-.141	.156	.371	-.819
330	177	-.225	.155	.236	-.850
330	178	-.046	.130	.425	-.624
330	179	.003	.120	.452	-.495
330	180	.145	.106	.674	-.170
330	181	.204	.095	.547	-.056
330	182	.221	.112	.676	-.086
330	183	.181	.132	.771	-.183
330	184	.182	.135	.832	-.265
330	185	-.007	.075	.253	-.282
330	186	-.000	.082	.290	-.297
330	187	-.027	.089	.258	-.427
330	188	.038	.089	.321	-.322
330	189	-.057	.116	.262	-.787
330	190	-.069	.124	.316	-.850
330	191	-.041	.104	.292	-.656
330	192	.043	.092	.336	-.415
330	193	.147	.080	.431	-.129
330	194	.168	.093	.550	-.145
330	195	.126	.098	.497	-.223
330	196	.130	.104	.545	-.312
330	197	.136	.104	.618	-.245
330	198	.062	.086	.308	-.264
330	199	.045	.091	.375	-.275
330	200	-.012	.114	.334	-.454
330	201	.088	.077	.345	-.210
330	202	.102	.086	.424	-.207
330	203	.083	.094	.464	-.271
330	204	.053	.095	.377	-.283
330	205	.129	.083	.408	-.146
330	206	.076	.092	.393	-.269
330	207	-.076	.089	.210	-.405
330	208	-.013	.084	.266	-.326
330	209	-.074	.093	.224	-.398
330	210	.029	.090	.337	-.263
330	211	-.050	.087	.234	-.357
330	212	.162	.110	.591	-.165
330	213	.239	.098	.666	-.098
330	214	.165	.100	.493	-.169
330	215	.081	.089	.457	-.185
330	216	.019	.085	.324	-.271
330	217	.022	.084	.304	-.235
330	218	-.018	.090	.291	-.293
330	219	.045	.094	.348	-.254
330	220	.059	.098	.405	-.309
330	221	.161	.090	.478	-.162
330	222	.236	.114	.671	-.139
330	223	.168	.140	.690	-.354
330	224	.167	.115	.605	-.209
330	225	.096	.089	.441	-.197
330	301	.059	.174	.560	-.805
330	302	.075	.143	.568	-.729
330	303	-.041	.107	.367	-.462
330	304	-.050	.094	.281	-.432
330	305	-.075	.078	.212	-.326
330	306	.202	.158	.740	-.806
330	307	.049	.116	.453	-.370
330	308	.023	.259	.695	-1.261
330	309	.099	.201	.642	-.960
330	310	.161	.125	.618	-.361
330	311	-.047	.099	.274	-.429
330	312	-.068	.089	.239	-.393
330	313	.071	.239	.802	-.608
330	314	.080	.266	.823	-.753
330	315	.088	.151	.554	-.863
330	316	-.026	.099	.368	-.356
330	317	-.062	.080	.191	-.399
330	318	.023	.259	.796	-.811
330	319	-.014	.278	.735	-.895
330	320	.092	.159	.552	-.778
330	321	-.019	.088	.265	-.449
330	322	-.083	.093	.195	-.454
330	323	-.050	.263	.757	-.877
330	324	.000	.259	.706	-.859
330	325	.072	.137	.489	-.573
330	326	-.037	.097	.309	-.647
330	327	-.154	.098	.207	-.642
330	328	-.042	.197	.594	-.849
330	329	-.032	.190	.576	-.648
330	330	.041	.134	.487	-.551
330	331	-.098	.103	.247	-.431
330	332	-.104	.095	.212	-.419
330	333	-.091	.175	.461	-.821
330	334	-.042	.163	.416	-.837
330	335	.036	.076	.348	-.258
330	336	-.038	.081	.272	-.278
330	337	-.119	.087	.201	-.391
330	338	.017	.092	.337	-.346
330	339	.025	.092	.296	-.478
330	340	.030	.094	.316	-.349
330	341	.061	.085	.355	-.203
330	342	.076	.083	.365	-.197
330	343	-.007	.091	.375	-.443

APPENDIX A -- PRESSURE DATA: CONFIGURATION A: ONE LOGAN SQUARE

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
330	344	-.028	.089	.391	-.292
330	345	-.046	.085	.283	-.364
330	346	-.071	.085	.210	-.368
330	401	-.133	.091	.230	-.461
330	402	-.142	.092	.205	-.468
330	403	-.172	.109	.192	-.812
330	404	-.150	.092	.172	-.761
330	405	-.104	.094	.232	-.408
330	406	-.094	.092	.275	-.387
330	407	-.081	.090	.254	-.355
330	408	-.107	.092	.144	-.541
330	409	-.096	.110	.238	-.610
330	410	-.114	.109	.197	-.656
330	411	-.125	.091	.174	-.497
330	412	-.152	.079	.095	-.452
330	413	-.152	.093	.137	-.460
330	414	-.088	.091	.244	-.404
330	415	-.085	.090	.245	-.398
330	416	-.098	.077	.155	-.397
330	417	-.064	.087	.232	-.414
330	418	-.062	.089	.248	-.423
330	419	-.062	.085	.204	-.413
330	420	-.172	.080	.081	-.525
330	421	-.153	.089	.123	-.669
330	422	-.168	.091	.112	-.488
330	423	-.162	.091	.118	-.484
330	424	-.166	.084	.097	-.508
330	425	-.118	.090	.145	-.418
330	426	-.099	.091	.165	-.435
330	427	-.082	.091	.187	-.422
330	428	-.094	.076	.150	-.418
330	429	-.078	.087	.270	-.416
330	430	-.172	.089	.094	-.597
330	431	-.173	.088	.089	-.584
330	432	-.204	.082	.083	-.528
330	433	-.188	.095	.146	-.549
330	434	-.177	.093	.163	-.487
330	435	-.138	.088	.189	-.430
330	436	-.124	.076	.138	-.405
330	437	-.085	.085	.206	-.425
330	438	-.081	.086	.275	-.400
330	439	-.179	.092	.096	-.567
330	440	-.202	.081	.096	-.506
330	441	-.201	.095	.127	-.646
330	442	-.196	.103	.145	-.589
330	443	-.154	.097	.183	-.538
330	444	-.130	.077	.088	-.402
330	445	-.084	.084	.172	-.400
330	446	-.075	.082	.183	-.414
330	447	-.069	.084	.179	-.347
330	448	-.085	.077	.182	-.362
330	449	-.183	.104	.165	-.673
330	450	-.193	.106	.154	-.559
330	451	-.235	.118	.122	-.733
330	452	-.192	.096	.169	-.663
330	453	-.099	.091	.285	-.522
330	454	-.083	.095	.239	-.430
330	455	-.075	.087	.217	-.397
330	456	-.079	.075	.135	-.341
330	457	-.058	.085	.193	-.353
330	458	-.187	.102	.112	-.558
330	459	-.190	.099	.090	-.598
330	460	-.240	.103	.106	-.597
330	461	-.064	.102	.291	-.427
330	462	-.029	.095	.349	-.336
330	463	-.104	.093	.199	-.457
330	464	-.081	.080	.184	-.372
330	465	-.058	.090	.240	-.408
330	466	-.062	.092	.230	-.411
330	467	-.068	.092	.215	-.429
330	468	-.080	.076	.191	-.378
330	469	-.059	.085	.249	-.371
330	470	-.075	.089	.233	-.413
330	471	-.067	.087	.247	-.385
330	472	-.203	.098	.164	-.758
330	473	-.187	.109	.198	-.880
330	474	-.176	.139	.271	-.704
330	475	-.004	.103	.354	-.488
330	476	-.015	.087	.300	-.305
330	477	-.084	.084	.171	-.413
330	478	-.078	.083	.180	-.353
330	479	-.061	.082	.207	-.342
330	501	.002	.080	.283	-.322
330	502	.109	.101	.474	-.368
330	503	-.034	.091	.281	-.327
330	504	.010	.097	.380	-.380
330	505	.028	.085	.308	-.275
330	506	.071	.088	.473	-.255
330	507	.084	.091	.497	-.235
330	508	.119	.089	.447	-.204
330	509	.145	.088	.497	-.180
330	510	.149	.113	.555	-.262
330	511	-.002	.090	.307	-.310
330	512	.043	.093	.416	-.282
330	513	-.028	.096	.325	-.529
330	514	.072	.104	.503	-.309
330	515	.086	.104	.476	-.226
330	516	.133	.102	.486	-.165
330	517	.159	.087	.451	-.123
330	518	.132	.102	.474	-.195
330	519	-.068	.090	.279	-.399
330	520	.050	.089	.347	-.273
330	521	.076	.083	.373	-.342
330	522	.034	.095	.400	-.443
330	523	.093	.087	.450	-.205
330	524	.132	.085	.505	-.161
330	525	.173	.083	.596	-.108
330	526	.135	.094	.464	-.255
330	601	.095	.101	.438	-.274
330	602	.098	.118	.647	-.365
330	603	.146	.084	.500	-.101
330	604	.129	.091	.461	-.130
330	605	.080	.112	.480	-.297
330	606	.109	.087	.430	-.157
330	607	.146	.082	.471	-.119
330	608	.109	.088	.422	-.174
330	609	-.020	.105	.315	-.476
330	610	.097	.102	.549	-.293
330	611	.140	.079	.502	-.094
330	612	.074	.091	.430	-.239
330	613	.071	.123	.529	-.291
330	614	.078	.093	.476	-.248
330	615	.144	.081	.426	-.154
330	616	.061	.094	.356	-.286
330	617	.035	.118	.495	-.417
330	618	.001	.098	.376	-.359
330	619	.162	.105	.623	-.203
330	620	.027	.106	.439	-.483
330	621	.094	.102	.411	-.280
330	622	.205	.114	.590	-.201
330	623	.232	.101	.571	-.042
330	624	.245	.131	.811	-.118
330	625	.099	.113	.512	-.249
330	626	-.011	.097	.303	-.357
330	701	.102	.076	.364	-.161
330	702	-.060	.092	.223	-.475
330	703	.069	.094	.425	-.275
330	704	.067	.093	.384	-.234
330	705	.123	.084	.380	-.224
330	706	.018	.102	.461	-.292
330	707	.113	.105	.495	-.315
330	708	-.049	.104	.304	-.611
330	709	.011	.078	.270	-.320
330	710	.010	.082	.274	-.292
330	711	.079	.087	.392	-.233
330	712	.073	.093	.426	-.356
330	713	.161	.078	.487	-.090
330	714	.112	.083	.417	-.203
330	715	.111	.094	.447	-.205
330	716	-.034	.105	.324	-.489

APPENDIX A -- PRESSURE DATA: CONFIGURATION A: ONE LOGAN SQUARE

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
330	717	.006	.081	.254	-.314
330	718	.006	.087	.288	-.336
330	719	.103	.098	.500	-.285
330	720	.218	.129	.836	-.171
330	721	.003	.080	.283	-.358
330	722	.173	.103	.550	-.123
330	723	.201	.135	.786	-.166
330	724	.214	.115	.657	-.097
330	725	.204	.092	.548	-.111
330	726	.241	.111	.711	-.149
330	727	.013	.097	.416	-.321
330	728	.026	.072	.247	-.234
330	729	.022	.081	.267	-.263
330	801	-.065	.088	.226	-.367
330	802	-.005	.081	.273	-.284
330	803	-.015	.073	.248	-.267
330	804	-.042	.081	.252	-.302
330	805	.004	.080	.297	-.285
330	806	.024	.079	.289	-.241
330	807	-.012	.070	.248	-.237
330	808	-.022	.080	.280	-.283
330	809	.022	.082	.349	-.227
330	810	.031	.078	.325	-.204
330	811	.024	.069	.256	-.206
330	812	-.010	.077	.252	-.306
330	813	-.031	.080	.251	-.347
330	814	.113	.083	.399	-.141
330	815	.060	.076	.301	-.213
330	816	.069	.086	.350	-.320
330	817	.076	.085	.376	-.198
330	818	.020	.107	.405	-.411
330	819	.134	.078	.499	-.107
330	820	.141	.099	.511	-.145
330	821	.122	.090	.439	-.214
330	822	.181	.105	.593	-.157
330	823	.173	.089	.545	-.165
330	901	.035	.101	.371	-.308
330	902	.025	.089	.333	-.310
330	903	.077	.093	.411	-.265
330	904	.072	.075	.351	-.198
330	905	.057	.085	.365	-.278
330	906	.074	.087	.416	-.223
330	907	.102	.088	.421	-.171
330	908	-.073	.097	.259	-.501
330	909	.035	.090	.318	-.349
330	910	.096	.085	.374	-.240
330	911	.114	.087	.405	-.182
330	912	.118	.080	.394	-.153
330	913	-.061	.090	.211	-.665
330	914	-.025	.087	.299	-.336
330	915	-.040	.099	.248	-.560
330	916	-.007	.079	.243	-.350
330	917	.082	.085	.370	-.231
330	918	.074	.083	.371	-.220
330	919	.085	.085	.382	-.227
330	920	.140	.091	.490	-.148
330	921	.115	.091	.421	-.200
330	922	.195	.123	.671	-.173
330	923	.252	.137	.799	-.117
330	924	.112	.086	.476	-.143
330	925	.016	.084	.318	-.285
330	1001	-.039	.072	.189	-.352
330	1002	.003	.080	.281	-.337
330	1003	-.071	.093	.214	-.417
330	1004	-.029	.087	.254	-.479
330	1005	.076	.078	.376	-.187
340	1	-.244	.134	.161	-.837
340	2	-.117	.111	.302	-.582
340	3	-.206	.105	.141	-.682
340	4	-.161	.119	.219	-.914
340	5	-.263	.129	.190	-.822
340	6	-.214	.122	.157	-.745
340	7	-.313	.125	.062	-1.041
340	8	-.239	.116	.102	-.828
340	9	-.199	.113	.169	-.605
340	10	-.095	.101	.246	-.513
340	11	-.180	.097	.136	-.567
340	12	-.142	.109	.198	-.632
340	13	-.313	.134	.197	-.810
340	14	-.207	.140	.307	-.738
340	15	-.391	.197	.252	-1.174
340	101	-.095	.105	.313	-.553
340	102	-.038	.125	.475	-.617
340	103	-.076	.128	.460	-.667
340	104	-.147	.121	.313	-.631
340	105	-.248	.128	.251	-.733
340	106	-.135	.147	.440	-.636
340	107	-.131	.164	.597	-.687
340	108	-.117	.172	.594	-.654
340	109	-.171	.190	.472	-.775
340	110	-.032	.234	.696	-.771
340	111	.351	.169	.902	-.337
340	112	.381	.192	1.064	-.462
340	113	-.116	.101	.248	-.531
340	114	-.179	.092	.161	-.506
340	115	-.218	.119	.141	-.726
340	116	-.215	.113	.128	-.663
340	117	-.179	.122	.301	-.617
340	118	-.190	.147	.325	-.717
340	119	.240	.277	.974	-.943
340	120	-.161	.087	.150	-.428
340	121	-.042	.079	.233	-.288
340	122	-.044	.078	.251	-.358
340	123	-.048	.089	.255	-.341
340	124	-.157	.133	.256	-.863
340	125	-.279	.159	.131	-1.030
340	126	-.015	.121	.434	-.466
340	127	.034	.120	.472	-.338
340	128	.143	.129	.737	-.325
340	129	.152	.125	.584	-.221
340	130	.259	.146	.749	-.160
340	131	.294	.170	.987	-.228
340	132	.241	.177	1.049	-.307
340	133	-.098	.076	.141	-.338
340	134	-.027	.084	.241	-.308
340	135	.019	.091	.339	-.272
340	136	.038	.105	.375	-.699
340	137	-.265	.184	.242	-.832
340	138	-.218	.186	.300	-.801
340	139	-.039	.146	.508	-.500
340	140	.069	.131	.614	-.351
340	141	.236	.123	.636	-.136
340	142	.330	.140	.805	-.121
340	143	.374	.153	.859	-.103
340	144	.341	.171	.971	-.333
340	145	.207	.170	.801	-.311
340	146	-.034	.083	.236	-.324
340	147	-.024	.086	.261	-.328
340	148	.026	.093	.351	-.286
340	149	.001	.100	.321	-.419
340	150	-.180	.197	.355	-.816
340	151	-.195	.192	.346	-.815
340	152	-.008	.141	.471	-.470
340	153	.035	.114	.403	-.351
340	154	.267	.125	.740	-.086
340	155	.335	.143	.852	-.055
340	156	.371	.154	.892	-.041
340	157	.268	.152	.776	-.180
340	158	.214	.165	.799	-.266
340	159	-.022	.083	.265	-.342
340	160	-.007	.083	.295	-.322
340	161	-.014	.087	.331	-.308
340	162	.053	.107	.504	-.549
340	163	-.122	.177	.445	-.770
340	164	-.126	.167	.404	-.718
340	165	-.027	.134	.399	-.652
340	166	.081	.129	.557	-.475
340	167	.246	.124	.786	-.141
340	168	.297	.128	.880	-.127
340	169	.290	.122	.725	-.065

APPENDIX A -- PRESSURE DATA: CONFIGURATION A: ONE LOGAN SQUARE

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
340	170	.254	.148	.793	-.157
340	171	.170	.166	.776	-.272
340	172	-.055	.089	.268	-.473
340	173	-.077	.081	.202	-.372
340	174	.021	.091	.322	-.338
340	175	.047	.104	.449	-.421
340	176	-.085	.176	.450	-.872
340	177	-.135	.146	.271	-.825
340	178	.033	.124	.463	-.499
340	179	.098	.117	.525	-.365
340	180	.184	.108	.587	-.164
340	181	.225	.103	.724	-.158
340	182	.237	.123	.873	-.152
340	183	.147	.140	.808	-.251
340	184	.110	.137	.838	-.291
340	185	-.024	.075	.280	-.283
340	186	-.006	.082	.378	-.304
340	187	-.024	.089	.321	-.371
340	188	.043	.088	.327	-.245
340	189	-.009	.102	.432	-.453
340	190	-.016	.110	.502	-.495
340	191	.001	.101	.475	-.355
340	192	.071	.093	.490	-.246
340	193	.155	.080	.411	-.130
340	194	.187	.092	.516	-.149
340	195	.137	.094	.480	-.202
340	196	.075	.098	.515	-.253
340	197	.033	.104	.448	-.395
340	198	.074	.085	.407	-.230
340	199	.069	.092	.357	-.389
340	200	.020	.106	.382	-.441
340	201	.095	.072	.388	-.112
340	202	.110	.080	.434	-.117
340	203	.093	.086	.404	-.155
340	204	.068	.089	.404	-.224
340	205	.135	.086	.493	-.128
340	206	.104	.095	.480	-.198
340	207	-.088	.088	.201	-.398
340	208	-.028	.084	.242	-.302
340	209	-.078	.093	.213	-.445
340	210	.055	.086	.341	-.289
340	211	-.005	.082	.246	-.310
340	212	.208	.111	.570	-.109
340	213	.242	.104	.689	-.091
340	214	.123	.098	.506	-.203
340	215	.008	.091	.389	-.369
340	216	.015	.083	.412	-.235
340	217	.040	.085	.354	-.262
340	218	-.003	.089	.317	-.318
340	219	.078	.094	.421	-.215
340	220	.089	.097	.514	-.303
340	221	.178	.090	.555	-.118
340	222	.254	.113	.657	-.117
340	223	.222	.128	.769	-.166
340	224	.213	.115	.711	-.151
340	225	.070	.095	.416	-.239
340	301	-.161	.193	.410	-1.244
340	302	-.083	.181	.433	-.924
340	303	-.095	.102	.316	-.734
340	304	-.082	.088	.298	-.386
340	305	-.091	.080	.159	-.865
340	306	.003	.215	.554	-1.110
340	307	-.045	.117	.309	-.980
340	308	-.303	.262	.431	-2.125
340	309	-.203	.284	.490	-1.344
340	310	.043	.154	.490	-.818
340	311	-.089	.097	.211	-.715
340	312	-.088	.088	.217	-.641
340	313	-.246	.197	.426	-.978
340	314	-.245	.234	.585	-1.032
340	315	-.101	.220	.416	-1.030
340	316	-.073	.103	.257	-.765
340	317	-.090	.077	.186	-.491
340	318	-.223	.187	.453	-1.119
340	319	-.279	.213	.530	-1.212
340	320	-.072	.200	.439	-1.186
340	321	-.088	.098	.182	-.583
340	322	-.118	.105	.191	-.772
340	323	-.296	.162	.559	-.987
340	324	-.252	.186	.492	-1.002
340	325	-.119	.181	.255	-1.010
340	326	-.108	.120	.199	-.621
340	327	-.187	.119	.128	-.864
340	328	-.239	.179	.469	-1.265
340	329	-.205	.151	.427	-.955
340	330	-.083	.158	.327	-.733
340	331	-.150	.101	.164	-.695
340	332	-.140	.092	.152	-.585
340	333	-.239	.161	.233	-1.093
340	334	-.173	.160	.305	-.918
340	335	-.022	.098	.283	-.627
340	336	-.069	.092	.252	-.352
340	337	-.137	.095	.167	-.469
340	338	-.043	.114	.315	-.665
340	339	-.051	.094	.223	-.400
340	340	-.039	.097	.278	-.435
340	341	.021	.089	.363	-.282
340	342	.038	.086	.362	-.284
340	343	-.078	.101	.304	-.465
340	344	-.007	.093	.357	-.289
340	345	-.065	.092	.302	-.345
340	346	-.080	.091	.255	-.354
340	401	-.113	.089	.161	-.473
340	402	-.121	.090	.164	-.483
340	403	-.132	.096	.173	-.729
340	404	-.146	.083	.174	-.498
340	405	-.124	.096	.194	-.506
340	406	-.113	.094	.276	-.400
340	407	-.089	.092	.256	-.372
340	408	-.114	.091	.200	-.635
340	409	-.105	.110	.242	-.623
340	410	-.115	.107	.235	-.828
340	411	-.115	.092	.225	-.424
340	412	-.137	.077	.162	-.411
340	413	-.135	.086	.165	-.459
340	414	-.093	.088	.211	-.457
340	415	-.090	.088	.224	-.447
340	416	-.105	.079	.141	-.407
340	417	-.078	.089	.195	-.372
340	418	-.076	.089	.220	-.375
340	419	-.075	.086	.207	-.361
340	420	-.153	.085	.204	-.473
340	421	-.135	.094	.260	-.495
340	422	-.149	.093	.244	-.498
340	423	-.150	.092	.241	-.521
340	424	-.157	.077	.099	-.412
340	425	-.115	.087	.183	-.359
340	426	-.098	.087	.203	-.363
340	427	-.085	.086	.197	-.372
340	428	-.096	.074	.174	-.334
340	429	-.081	.083	.209	-.374
340	430	-.165	.092	.164	-.591
340	431	-.163	.090	.174	-.543
340	432	-.195	.084	.087	-.569
340	433	-.182	.094	.105	-.602
340	434	-.165	.093	.126	-.579
340	435	-.125	.091	.182	-.476
340	436	-.116	.076	.242	-.361
340	437	-.089	.086	.304	-.388
340	438	-.083	.085	.316	-.371
340	439	-.176	.093	.223	-.517
340	440	-.198	.085	.067	-.549
340	441	-.185	.092	.119	-.526
340	442	-.179	.097	.164	-.504
340	443	-.145	.093	.215	-.475
340	444	-.123	.075	.174	-.395
340	445	-.091	.082	.259	-.400
340	446	-.084	.082	.209	-.379
340	447	-.079	.083	.209	-.380
340	448	-.101	.075	.141	-.358

APPENDIX A -- PRESSURE DATA: CONFIGURATION A: ONE LOGAN SQUARE

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
340	449	-.176	.096	.137	-.553
340	450	-.179	.096	.127	-.552
340	451	-.204	.097	.100	-.607
340	452	-.182	.092	.172	-.605
340	453	-.099	.091	.248	-.439
340	454	-.092	.091	.291	-.370
340	455	-.084	.087	.237	-.359
340	456	-.096	.079	.171	-.356
340	457	-.079	.089	.210	-.383
340	458	-.167	.102	.202	-.552
340	459	-.171	.100	.177	-.527
340	460	-.239	.094	.050	-.792
340	461	-.112	.103	.209	-.459
340	462	-.046	.092	.284	-.378
340	463	-.115	.093	.188	-.456
340	464	-.097	.075	.202	-.352
340	465	-.079	.086	.267	-.369
340	466	-.080	.088	.273	-.364
340	467	-.085	.087	.281	-.360
340	468	-.101	.079	.216	-.380
340	469	-.082	.089	.262	-.409
340	470	-.091	.091	.276	-.411
340	471	-.086	.091	.268	-.411
340	472	-.173	.087	.119	-.581
340	473	-.158	.097	.143	-.618
340	474	-.189	.113	.296	-.628
340	475	-.040	.103	.322	-.389
340	476	-.040	.093	.286	-.339
340	477	-.102	.086	.202	-.402
340	478	-.109	.088	.203	-.404
340	479	-.090	.086	.215	-.377
340	501	.040	.077	.286	-.388
340	502	-.083	.094	.523	-.336
340	503	-.014	.086	.288	-.335
340	504	.039	.088	.366	-.346
340	505	.047	.087	.326	-.288
340	506	.098	.099	.569	-.249
340	507	.118	.107	.557	-.222
340	508	.152	.105	.570	-.157
340	509	.165	.094	.556	-.135
340	510	.145	.111	.736	-.164
340	511	.019	.091	.345	-.319
340	512	-.075	.095	.446	-.250
340	513	-.004	.106	.345	-.417
340	514	.117	.105	.551	-.234
340	515	.129	.105	.544	-.218
340	516	.173	.106	.655	-.143
340	517	.219	.098	.656	-.054
340	518	.171	.103	.617	-.146
340	519	-.061	.098	.342	-.428
340	520	.067	.092	.428	-.285
340	521	.081	.087	.377	-.230
340	522	.028	.102	.388	-.341
340	523	.112	.092	.475	-.166
340	524	.164	.092	.526	-.118
340	525	.203	.087	.516	-.043
340	526	.143	.094	.461	-.162
340	601	.071	.103	.428	-.249
340	602	.057	.115	.533	-.303
340	603	.114	.081	.381	-.150
340	604	.110	.086	.415	-.194
340	605	.025	.121	.490	-.418
340	606	.092	.087	.368	-.204
340	607	.150	.077	.437	-.107
340	608	.107	.087	.391	-.286
340	609	-.075	.101	.255	-.469
340	610	.070	.102	.475	-.351
340	611	.122	.073	.389	-.160
340	612	.035	.087	.437	-.289
340	613	.068	.120	.550	-.285
340	614	.081	.091	.454	-.241
340	615	.153	.091	.461	-.119
340	616	.057	.097	.395	-.305
340	617	.012	.121	.427	-.619
340	618	-.001	.105	.549	-.651
340	619	.131	.101	.582	-.230
340	620	.033	.100	.461	-.381
340	621	.083	.088	.387	-.238
340	622	.204	.100	.578	-.169
340	623	.260	.103	.747	-.070
340	624	.289	.138	.911	-.135
340	625	.125	.112	.610	-.231
340	626	.003	.092	.373	-.276
340	701	.100	.071	.311	-.129
340	702	-.065	.106	.317	-.603
340	703	.072	.085	.324	-.260
340	704	.035	.095	.327	-.333
340	705	.119	.084	.507	-.139
340	706	.031	.104	.453	-.291
340	707	.121	.103	.527	-.244
340	708	-.021	.098	.287	-.443
340	709	.013	.082	.284	-.296
340	710	.015	.088	.339	-.321
340	711	.069	.094	.428	-.315
340	712	.062	.105	.447	-.343
340	713	.194	.090	.524	-.104
340	714	.108	.092	.440	-.195
340	715	.111	.102	.482	-.214
340	716	-.021	.115	.345	-.482
340	717	-.008	.082	.303	-.513
340	718	.005	.089	.385	-.354
340	719	.128	.103	.580	-.291
340	720	.284	.140	.967	-.073
340	721	-.006	.087	.249	-.308
340	722	.233	.120	.789	-.179
340	723	.260	.142	.946	-.208
340	724	.253	.122	.778	-.166
340	725	.221	.089	.640	-.022
340	726	.268	.108	.701	-.049
340	727	.053	.109	.428	-.330
340	728	.024	.074	.338	-.231
340	729	.024	.084	.355	-.278
340	801	-.065	.095	.311	-.432
340	802	.004	.083	.310	-.263
340	803	-.013	.079	.244	-.340
340	804	-.041	.088	.232	-.353
340	805	.005	.088	.289	-.339
340	806	.030	.086	.327	-.300
340	807	-.008	.074	.220	-.287
340	808	-.020	.084	.246	-.345
340	809	.028	.087	.348	-.279
340	810	.037	.083	.299	-.281
340	811	.034	.071	.252	-.266
340	812	.004	.081	.241	-.328
340	813	-.014	.083	.249	-.349
340	814	.116	.089	.416	-.186
340	815	.083	.085	.342	-.255
340	816	.052	.092	.337	-.306
340	817	.106	.092	.429	-.251
340	818	-.025	.131	.358	-.613
340	819	.155	.090	.461	-.124
340	820	.173	.113	.540	-.168
340	821	.145	.103	.463	-.179
340	822	.219	.116	.570	-.090
340	823	.226	.096	.670	-.038
340	901	.028	.099	.332	-.449
340	902	.044	.085	.351	-.221
340	903	.072	.089	.407	-.163
340	904	.071	.078	.358	-.149
340	905	.063	.088	.409	-.249
340	906	.063	.088	.425	-.238
340	907	.096	.088	.434	-.173
340	908	-.042	.110	.333	-.540
340	909	.054	.096	.368	-.267
340	910	.076	.086	.366	-.226
340	911	.120	.089	.421	-.255
340	912	.120	.084	.512	-.153
340	913	-.066	.098	.281	-.552
340	914	-.012	.093	.358	-.299
340	915	-.035	.107	.329	-.750

APPENDIX A -- PRESSURE DATA: CONFIGURATION A: ONE LOGAN SQUARE

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
340	916	.003	.085	.247	-.309
340	917	.119	.093	.442	-.227
340	918	.080	.089	.381	-.241
340	919	.090	.090	.395	-.234
340	920	.167	.095	.570	-.242
340	921	.123	.101	.456	-.300
340	922	.188	.122	.813	-.229
340	923	.293	.141	.936	-.124
340	924	.110	.093	.448	-.201
340	925	.029	.093	.337	-.430
340	1001	-.067	.075	.184	-.319
340	1002	-.003	.081	.306	-.265
340	1003	-.103	.086	.208	-.410
340	1004	-.019	.086	.293	-.366
340	1005	.103	.085	.417	-.204
350	1	-.175	.123	.217	-.732
350	2	-.131	.108	.254	-.649
350	3	-.209	.103	.110	-.601
350	4	-.214	.120	.195	-.744
350	5	-.189	.121	.184	-.663
350	6	-.212	.116	.137	-.644
350	7	-.245	.115	.107	-.772
350	8	-.245	.122	.132	-.661
350	9	-.122	.099	.236	-.529
350	10	-.115	.103	.226	-.478
350	11	-.189	.096	.187	-.529
350	12	-.209	.122	.221	-.608
350	13	-.246	.130	.204	-.751
350	14	-.251	.136	.179	-.859
350	15	-.299	.188	.263	-1.264
350	101	-.042	.106	.401	-.611
350	102	-.039	.137	.414	-.613
350	103	-.005	.151	.520	-.639
350	104	-.094	.146	.544	-.594
350	105	-.122	.129	.510	-.596
350	106	-.111	.162	.701	-.808
350	107	-.101	.168	.622	-.707
350	108	-.120	.176	.645	-.637
350	109	-.112	.170	.604	-.655
350	110	-.123	.229	.763	-.851
350	111	.258	.233	.840	-.453
350	112	.266	.263	1.030	-.784
350	113	-.128	.099	.177	-.321
350	114	-.126	.097	.200	-.527
350	115	-.226	.121	.141	-.768
350	116	-.204	.121	.294	-.790
350	117	-.217	.129	.172	-.717
350	118	-.196	.123	.253	-.620
350	119	-.031	.295	.958	-.959
350	120	-.075	.090	.253	-.426

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
350	121	-.032	.090	.295	-.392
350	122	.009	.075	.287	-.231
350	123	.001	.106	.413	-.331
350	124	-.095	.143	.354	-.779
350	125	-.118	.128	.307	-.610
350	126	.054	.125	.550	-.374
350	127	.107	.125	.641	-.265
350	128	.169	.131	.658	-.256
350	129	.182	.114	.581	-.147
350	130	.224	.143	.724	-.242
350	131	.245	.164	.851	-.322
350	132	.151	.162	.740	-.430
350	133	-.047	.067	.168	-.294
350	134	-.021	.081	.211	-.316
350	135	.069	.093	.440	-.216
350	136	.100	.106	.541	-.223
350	137	-.060	.184	.527	-.712
350	138	-.080	.201	.617	-.792
350	139	.082	.153	.704	-.483
350	140	.151	.139	.710	-.368
350	141	.306	.124	.695	-.092
350	142	.360	.148	.796	-.139
350	143	.398	.153	.893	-.079
350	144	.285	.162	.903	-.239
350	145	.129	.122	.607	-.304
350	146	-.038	.079	.200	-.330
350	147	-.001	.081	.269	-.304
350	148	.059	.095	.488	-.314
350	149	.087	.092	.578	-.236
350	150	-.099	.196	.632	-.959
350	151	-.092	.187	.655	-.885
350	152	.066	.138	.759	-.398
350	153	.149	.119	.588	-.221
350	154	.295	.129	.713	-.126
350	155	.359	.138	.872	-.096
350	156	.366	.147	.935	-.113
350	157	.254	.135	.715	-.120
350	158	.132	.150	.751	-.314
350	159	-.015	.085	.375	-.307
350	160	-.012	.086	.393	-.294
350	161	.040	.083	.377	-.218
350	162	.076	.104	.491	-.295
350	163	-.041	.173	.516	-.775
350	164	-.063	.167	.474	-.794
350	165	.059	.121	.460	-.366
350	166	.119	.127	.629	-.274
350	167	.284	.127	.818	-.095
350	168	.319	.136	.990	-.129
350	169	.317	.129	.759	-.104
350	170	.203	.151	.793	-.353

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
350	171	.109	.147	.787	-.504
350	172	-.061	.082	.246	-.344
350	173	-.041	.078	.293	-.316
350	174	.025	.092	.395	-.296
350	175	.089	.098	.414	-.304
350	176	-.049	.157	.426	-.628
350	177	-.058	.139	.477	-.664
350	178	.057	.124	.650	-.362
350	179	.130	.115	.708	-.231
350	180	.212	.112	.818	-.121
350	181	.247	.108	.605	-.067
350	182	.252	.124	.689	-.096
350	183	.116	.138	.725	-.299
350	184	.050	.131	.651	-.503
350	185	-.044	.089	.231	-.353
350	186	-.018	.087	.289	-.342
350	187	-.025	.092	.291	-.408
350	188	.048	.089	.351	-.346
350	189	.009	.108	.317	-.404
350	190	.001	.115	.355	-.477
350	191	.017	.105	.343	-.396
350	192	.080	.096	.415	-.289
350	193	.157	.088	.414	-.111
350	194	.187	.103	.515	-.125
350	195	.134	.109	.526	-.201
350	196	.027	.101	.577	-.281
350	197	-.026	.097	.346	-.449
350	198	.080	.087	.331	-.188
350	199	.063	.093	.391	-.241
350	200	.042	.099	.327	-.383
350	201	.100	.078	.360	-.162
350	202	.117	.088	.425	-.167
350	203	.114	.098	.460	-.194
350	204	.069	.096	.423	-.247
350	205	.154	.085	.454	-.156
350	206	.118	.093	.431	-.277
350	207	.110	.095	.202	-.415
350	208	.049	.089	.242	-.317
350	209	.003	.081	.329	-.255
350	210	.057	.092	.356	-.284
350	211	.001	.087	.266	-.318
350	212	.226	.116	.756	-.073
350	213	.279	.113	.788	-.046
350	214	.105	.098	.524	-.207
350	215	-.028	.088	.263	-.355
350	216	.003	.084	.337	-.316
350	217	.051	.087	.317	-.267
350	218	.002	.092	.291	-.319
350	219	.091	.096	.410	-.211
350	220	.106	.103	.447	-.226

APPENDIX A -- PRESSURE DATA: CONFIGURATION A: ONE LOGAN SQUARE

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
350	221	.204	.096	.699	-.150
350	222	.277	.119	.754	-.156
350	223	.262	.132	.779	-.221
350	224	.253	.121	.773	-.176
350	225	.022	.103	.533	-.324
350	301	-.371	.198	.210	-1.384
350	302	-.261	.188	.304	-1.088
350	303	-.182	.148	.232	-.968
350	304	-.107	.109	.252	-.619
350	305	-.105	.086	.151	-.592
350	306	-.172	.228	.444	-1.116
350	307	-.133	.129	.204	-.757
350	308	-.502	.265	.302	-2.101
350	309	-.395	.195	.143	-1.216
350	310	-.133	.185	.329	-1.018
350	311	-.136	.113	.207	-.706
350	312	-.109	.105	.306	-.704
350	313	-.341	.149	.258	-.934
350	314	-.349	.171	.319	-1.034
350	315	-.270	.212	.267	-1.082
350	316	-.124	.133	.303	-.819
350	317	-.127	.115	.215	-.694
350	318	-.327	.151	.219	-1.014
350	319	-.393	.162	.270	-1.300
350	320	-.284	.188	.265	-1.199
350	321	-.181	.130	.228	-.822
350	322	-.189	.150	.230	-1.203
350	323	-.384	.172	.058	-1.336
350	324	-.345	.171	.283	-1.299
350	325	-.247	.160	.145	-1.087
350	326	-.170	.138	.307	-.808
350	327	-.229	.143	.206	-1.070
350	328	-.334	.163	.127	-1.039
350	329	-.334	.169	.181	-1.233
350	330	-.247	.186	.226	-1.093
350	331	-.215	.135	.154	-.928
350	332	-.184	.123	.164	-.771
350	333	-.361	.192	.220	-1.406
350	334	-.308	.183	.305	-1.193
350	335	-.137	.125	.197	-.703
350	336	-.114	.092	.218	-.474
350	337	-.163	.092	.126	-.498
350	338	-.150	.123	.218	-.641
350	339	-.137	.107	.161	-.658
350	340	-.127	.112	.246	-.609
350	341	-.012	.096	.354	-.318
350	342	.007	.093	.376	-.319
350	343	-.108	.123	.580	-.570
350	344	-.011	.105	.425	-.422
350	345	-.069	.095	.334	-.415

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
350	346	-.086	.089	.288	-.410
350	401	-.121	.096	.246	-.513
350	402	-.123	.095	.248	-.521
350	403	-.135	.095	.191	-.486
350	404	-.166	.090	.139	-.532
350	405	-.143	.106	.229	-.519
350	406	-.119	.103	.213	-.464
350	407	-.100	.099	.219	-.528
350	408	-.114	.088	.208	-.536
350	409	-.105	.105	.240	-.623
350	410	-.119	.103	.237	-.637
350	411	-.117	.096	.242	-.515
350	412	-.134	.081	.148	-.462
350	413	-.129	.090	.159	-.446
350	414	-.093	.089	.225	-.420
350	415	-.093	.089	.224	-.424
350	416	-.110	.088	.192	-.410
350	417	-.091	.098	.273	-.426
350	418	-.087	.098	.271	-.441
350	419	-.089	.096	.274	-.414
350	420	-.160	.090	.129	-.479
350	421	-.138	.096	.201	-.462
350	422	-.144	.087	.174	-.426
350	423	-.146	.085	.176	-.450
350	424	-.155	.083	.115	-.436
350	425	-.112	.092	.201	-.445
350	426	-.099	.093	.290	-.447
350	427	-.097	.092	.207	-.441
350	428	-.113	.080	.218	-.388
350	429	-.098	.090	.272	-.381
350	430	-.187	.113	.174	-.641
350	431	-.180	.105	.194	-.556
350	432	-.204	.081	.051	-.519
350	433	-.186	.089	.114	-.517
350	434	-.157	.089	.179	-.437
350	435	-.122	.085	.154	-.411
350	436	-.117	.079	.160	-.429
350	437	-.098	.090	.231	-.486
350	438	-.093	.090	.253	-.452
350	439	-.199	.105	.142	-.599
350	440	-.241	.103	.159	-.676
350	441	-.211	.098	.198	-.638
350	442	-.201	.097	.242	-.570
350	443	-.157	.093	.268	-.526
350	444	-.133	.080	.157	-.446
350	445	-.111	.091	.203	-.458
350	446	-.104	.090	.205	-.440
350	447	-.104	.092	.210	-.440
350	448	-.130	.077	.137	-.410
350	449	-.194	.101	.114	-.602

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
350	450	-.189	.099	.111	-.605
350	451	-.212	.099	.076	-.628
350	452	-.201	.090	.091	-.631
350	453	-.121	.096	.209	-.466
350	454	-.110	.094	.197	-.445
350	455	-.108	.091	.180	-.414
350	456	-.129	.077	.131	-.424
350	457	-.114	.087	.169	-.447
350	458	-.170	.093	.122	-.548
350	459	-.174	.090	.104	-.546
350	460	-.244	.091	.075	-.546
350	461	-.149	.104	.226	-.438
350	462	-.085	.096	.250	-.396
350	463	-.125	.089	.167	-.452
350	464	-.135	.080	.125	-.397
350	465	-.120	.091	.175	-.432
350	466	-.118	.092	.182	-.439
350	467	-.119	.094	.161	-.445
350	468	-.128	.079	.121	-.411
350	469	-.112	.089	.164	-.432
350	470	-.112	.091	.188	-.432
350	471	-.113	.092	.172	-.459
350	472	-.191	.096	.110	-.520
350	473	-.180	.106	.157	-.533
350	474	-.227	.116	.085	-.681
350	475	-.131	.104	.191	-.483
350	476	-.082	.090	.195	-.368
350	477	-.124	.080	.130	-.432
350	478	-.142	.084	.145	-.469
350	479	-.123	.083	.165	-.444
350	501	.054	.084	.367	-.226
350	502	.070	.103	.543	-.276
350	503	.004	.095	.363	-.285
350	504	.061	.097	.477	-.295
350	505	.060	.100	.369	-.354
350	506	.115	.101	.537	-.216
350	507	.137	.111	.636	-.192
350	508	.175	.108	.613	-.113
350	509	.185	.101	.611	-.127
350	510	.165	.121	.678	-.182
350	511	.030	.099	.383	-.285
350	512	.087	.100	.470	-.204
350	513	.000	.118	.395	-.379
350	514	.115	.105	.506	-.305
350	515	.127	.099	.506	-.225
350	516	.179	.103	.593	-.199
350	517	.221	.098	.558	-.092
350	518	.188	.112	.592	-.137
350	519	.059	.096	.315	-.378
350	520	.062	.089	.370	-.329

APPENDIX A -- PRESSURE DATA: CONFIGURATION A: ONE LOGAN SQUARE

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
350	521	.088	.091	.378	-.284
350	522	.047	.106	.376	-.399
350	523	.113	.088	.421	-.159
350	524	.169	.089	.527	-.097
350	525	.197	.093	.572	-.055
350	526	.144	.100	.566	-.164
350	601	.052	.097	.416	-.276
350	602	.019	.101	.455	-.449
350	603	.102	.077	.395	-.167
350	604	.104	.085	.398	-.150
350	605	-.004	.110	.445	-.525
350	606	.087	.086	.386	-.198
350	607	.146	.086	.446	-.141
350	608	.104	.094	.437	-.193
350	609	-.149	.114	.248	-.666
350	610	.050	.115	.548	-.613
350	611	.126	.076	.426	-.144
350	612	.012	.088	.343	-.311
350	613	.086	.122	.614	-.404
350	614	.101	.098	.526	-.239
350	615	.171	.082	.485	-.088
350	616	.067	.095	.473	-.248
350	617	.007	.117	.462	-.470
350	618	.001	.101	.409	-.387
350	619	.137	.112	.550	-.290
350	620	.035	.109	.421	-.516
350	621	.099	.096	.419	-.360
350	622	.229	.111	.639	-.164
350	623	.269	.099	.616	-.056
350	624	.302	.139	.947	-.157
350	625	.134	.108	.570	-.220
350	626	.012	.097	.383	-.347
350	701	.092	.077	.340	-.215
350	702	-.062	.116	.261	-.702
350	703	.066	.093	.384	-.581
350	704	.013	.107	.319	-.581
350	705	.129	.082	.385	-.140
350	706	.117	.090	.513	-.185
350	707	.134	.100	.501	-.200
350	708	-.020	.098	.337	-.417
350	709	.007	.078	.253	-.323
350	710	.011	.082	.268	-.293
350	711	.065	.093	.377	-.228
350	712	.050	.115	.444	-.383
350	713	.204	.097	.645	-.189
350	714	.100	.092	.451	-.264
350	715	.106	.099	.494	-.259
350	716	-.001	.107	.362	-.404
350	717	-.017	.099	.252	-.380
350	718	.007	.094	.326	-.332
350	719	.136	.108	.649	-.171
350	720	.304	.150	.937	-.089
350	721	-.002	.081	.287	-.290
350	722	.276	.129	.885	-.126
350	723	.285	.150	.966	-.114
350	724	.275	.131	.783	-.096
350	725	.212	.093	.531	-.121
350	726	.262	.110	.680	-.110
350	727	.074	.111	.484	-.313
350	728	.023	.078	.326	-.307
350	729	.023	.090	.354	-.373
350	801	-.036	.097	.276	-.403
350	802	.009	.085	.271	-.335
350	803	.004	.081	.294	-.289
350	804	-.031	.092	.298	-.330
350	805	.014	.088	.292	-.324
350	806	.042	.087	.343	-.278
350	807	.000	.073	.224	-.260
350	808	-.017	.086	.230	-.300
350	809	.026	.086	.337	-.265
350	810	.041	.083	.323	-.244
350	811	.034	.076	.279	-.261
350	812	.010	.084	.276	-.316
350	813	-.009	.088	.288	-.360
350	814	.110	.092	.470	-.196
350	815	.078	.085	.350	-.224
350	816	.036	.091	.328	-.271
350	817	.082	.090	.402	-.222
350	818	-.018	.131	.448	-.568
350	819	.152	.089	.470	-.085
350	820	.194	.117	.673	-.152
350	821	.147	.105	.558	-.153
350	822	.224	.120	.701	-.102
350	823	.234	.111	.631	-.061
350	901	.034	.090	.367	-.308
350	902	.049	.096	.484	-.249
350	903	.075	.096	.447	-.241
350	904	.087	.082	.390	-.242
350	905	.083	.091	.404	-.248
350	906	.060	.091	.383	-.234
350	907	.096	.093	.458	-.209
350	908	.009	.112	.330	-.407
350	909	.055	.092	.378	-.334
350	910	.056	.089	.375	-.342
350	911	.109	.094	.521	-.276
350	912	.106	.087	.519	-.226
350	913	-.054	.104	.226	-.531
350	914	-.006	.093	.342	-.317
350	915	-.013	.101	.290	-.615
350	916	.022	.084	.332	-.249
350	917	.132	.094	.490	-.143
350	918	.081	.090	.400	-.199
350	919	.096	.091	.413	-.195
350	920	.165	.090	.480	-.142
350	921	.120	.095	.454	-.195
350	922	.175	.115	.619	-.152
350	923	.297	.135	.870	-.112
350	924	.131	.087	.438	-.175
350	925	.019	.092	.331	-.351
350	1001	-.091	.073	.134	-.360
350	1002	-.016	.078	.242	-.255
350	1003	-.137	.083	.128	-.411
350	1004	-.003	.084	.283	-.282
350	1005	.112	.084	.437	-.164

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
148	160	-.281	.124	.038	-1.155
148	345	-.118	.114	.226	-.751
148	458	-.091	.086	.253	-.497
148	459	-.056	.078	.248	-.383
150	160	-.283	.123	.034	-.920
150	345	-.127	.121	.219	-.931
150	458	-.096	.090	.207	-.484
150	459	-.054	.083	.236	-.368
152	160	-.358	.128	-.025	-1.023
152	345	-.136	.139	.232	-1.721
152	458	-.098	.085	.164	-.543
152	459	-.056	.076	.185	-.366
154	160	-.454	.137	-.094	-1.198
154	345	-.162	.136	.210	-1.216
154	458	-.106	.082	.218	-.447
154	459	-.050	.075	.263	-.277
156	160	-.322	.112	.015	-.879
156	345	-.151	.116	.185	-.867
156	458	-.114	.085	.137	-.476
156	459	-.062	.078	.161	-.369
158	160	-.333	.120	-.034	-.836
158	345	-.173	.150	.260	-1.418
158	458	-.122	.093	.209	-.499
158	459	-.065	.084	.230	-.385
160	160	-.320	.120	.017	-.883
160	345	-.151	.133	.234	-1.199
160	458	-.111	.089	.240	-.450
160	459	-.059	.080	.273	-.303
162	160	-.350	.119	.021	-.976
162	345	-.171	.155	.226	-1.380
162	458	-.119	.095	.183	-.608
162	459	-.068	.084	.215	-.335
164	160	-.345	.125	.020	-1.000
164	345	-.165	.153	.204	-1.523
164	458	-.114	.095	.209	-.547
164	459	-.067	.084	.226	-.398
166	160	-.314	.127	.014	-1.167
166	345	-.150	.134	.266	-1.092
166	458	-.109	.090	.216	-.578
166	459	-.071	.080	.237	-.412
168	160	-.323	.113	-.010	-.830
168	345	-.169	.151	.273	-1.487
168	458	-.108	.091	.196	-.432
168	459	-.070	.079	.228	-.353
170	160	-.253	.108	.058	-1.068
170	345	-.148	.140	.198	-1.731
170	458	-.116	.090	.145	-.431
170	459	-.072	.080	.171	-.348
172	160	-.228	.108	.151	-.802
172	345	-.150	.150	.223	-1.451
172	458	-.119	.093	.151	-.576
172	459	-.078	.082	.180	-.382
192	160	-.186	.118	.107	-.955
192	345	-.134	.104	.166	-.786
192	458	-.125	.084	.174	-.452
192	459	-.099	.079	.161	-.405
194	160	-.191	.111	.121	-.801
194	345	-.123	.097	.188	-.702
194	458	-.123	.083	.159	-.596
194	459	-.099	.078	.183	-.452
196	160	-.189	.105	.064	-.764
196	345	-.123	.101	.155	-.657
196	458	-.122	.086	.133	-.456
196	459	-.100	.081	.147	-.391
198	160	-.200	.103	.080	-.783
198	345	-.116	.098	.212	-.689
198	458	-.122	.089	.165	-.509
198	459	-.098	.084	.174	-.374
200	160	-.202	.093	.062	-.691
200	345	-.111	.089	.179	-.695
200	458	-.124	.088	.157	-.532
200	459	-.105	.083	.152	-.574
202	160	-.207	.093	.089	-.660
202	345	-.111	.096	.215	-.721
202	458	-.130	.090	.179	-.528
202	459	-.110	.086	.217	-.474
204	160	-.187	.081	.064	-.664
204	345	-.097	.089	.347	-.576
204	458	-.120	.093	.244	-.681
204	459	-.100	.085	.231	-.492
206	160	-.207	.094	.060	-.918
206	345	-.087	.102	.330	-.515
206	458	-.133	.108	.220	-.704
206	459	-.108	.097	.222	-.662
208	160	-.205	.091	.058	-.664
208	345	-.073	.095	.331	-.472
208	458	-.130	.107	.201	-.715
208	459	-.106	.096	.200	-.561
292	160	-.021	.071	.224	-.282
292	345	.136	.086	.454	-.172
292	458	-.323	.244	.262	-1.575
292	459	-.308	.271	.257	-1.684
294	160	-.026	.072	.234	-.277
294	345	.138	.091	.465	-.154
294	458	-.383	.253	.242	-2.074
294	459	-.380	.279	.295	-2.031
296	160	-.017	.074	.183	-.305
296	345	.136	.095	.511	-.187
296	458	-.388	.255	.273	-1.546
296	459	-.387	.275	.263	-1.745
298	160	-.012	.080	.225	-.286
298	345	.101	.095	.476	-.206
298	458	-.338	.229	.247	-1.884
298	459	-.334	.243	.242	-1.893
300	160	-.013	.075	.289	-.288
300	345	.118	.091	.474	-.169
300	458	-.367	.214	.160	-1.578
300	459	-.357	.231	.280	-1.516
302	160	-.014	.075	.355	-.258
302	345	.106	.097	.459	-.228
302	458	-.386	.224	.184	-2.074
302	459	-.382	.234	.230	-2.400
304	160	-.005	.081	.289	-.276
304	345	.087	.104	.499	-.247
304	458	-.352	.203	.140	-1.575
304	459	-.344	.210	.155	-1.572
306	160	-.005	.076	.239	-.288
306	345	.078	.098	.440	-.250
306	458	-.321	.180	.100	-1.342
306	459	-.314	.185	.074	-1.376
308	160	-.005	.070	.242	-.264
308	345	.078	.089	.384	-.198
308	458	-.358	.184	.073	-1.598
308	459	-.350	.188	.208	-1.565

APPENDIX A -- PRESSURE DATA: ADJACENT BUILDINGS WITHOUT LOGAN SQUARE IN PLACE

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
0	101	-.038	.048	.120	-.287
0	102	.041	.035	.175	-.126
0	103	.064	.053	.249	-.349
0	104	.017	.048	.218	-.232
0	105	.025	.069	.281	-.352
0	106	.068	.046	.207	-.275
0	107	-.074	.100	.293	-.647
0	108	.161	.091	.639	-.069
0	109	-.031	.045	.132	-.285
0	110	.040	.036	.200	-.114
0	111	.105	.037	.276	-.056
0	112	.091	.038	.258	-.021
0	113	.071	.053	.296	-.186
0	114	.070	.047	.251	-.229
0	115	.002	.099	.324	-.488
0	116	.136	.072	.464	-.069
0	201	-.161	.130	.318	-.756
0	202	.242	.111	.667	-.036
0	203	.325	.140	.772	-.056
0	204	.183	.103	.607	-.217
0	205	-.031	.067	.204	-.320
0	206	-.106	.121	.433	-.774
0	207	.204	.101	.709	-.071
0	208	.332	.133	.825	-.027
0	209	.141	.076	.492	-.059
0	210	-.022	.061	.187	-.353
0	211	.276	.085	.627	-.043
0	212	.274	.103	.735	-.009
0	213	.295	.106	.723	-.043
0	214	.128	.059	.428	-.068
0	215	-.057	.100	.237	-.705
0	301	.019	.118	.479	-.350
0	302	.335	.170	1.179	-.285
0	303	-.013	.089	.302	-.370
0	304	-.266	.122	.058	-.852
0	305	-.091	.077	.132	-.539
0	306	-.043	.058	.117	-.339
0	307	-.093	.083	.129	-.550
0	308	.009	.157	.522	-.603
0	309	.195	.161	.930	-.177
0	310	-.052	.133	.420	-.573
0	311	-.240	.138	.168	-.988
0	312	-.065	.115	.326	-1.157
0	313	-.042	.068	.182	-.412
0	314	-.121	.117	.219	-.821
0	315	.001	.085	.462	-.365
0	316	.068	.067	.368	-.187
0	317	.046	.095	.403	-.505
0	318	-.105	.087	.124	-.615
0	319	-.007	.062	.266	-.370

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
0	320	.032	.047	.249	-.204
0	321	-.035	.064	.175	-.387
0	322	.059	.067	.455	-.143
0	323	.042	.067	.458	-.092
0	324	.135	.065	.484	-.066
0	325	-.003	.063	.210	-.209
0	326	.009	.063	.197	-.372
0	327	.062	.042	.190	-.153
10	101	-.089	.048	.042	-.265
10	102	-.004	.040	.151	-.129
10	103	.019	.068	.260	-.355
10	104	-.030	.044	.141	-.164
10	105	-.004	.079	.280	-.407
10	106	.060	.038	.280	-.144
10	107	-.227	.137	.245	-.827
10	108	.249	.114	.678	-.133
10	109	-.080	.040	.063	-.304
10	110	.001	.044	.163	-.189
10	111	.082	.045	.314	-.071
10	112	.084	.039	.292	-.035
10	113	.079	.066	.387	-.197
10	114	.070	.043	.261	-.092
10	115	-.093	.141	.340	-1.011
10	116	.221	.083	.627	-.019
10	201	-.197	.163	.411	-.948
10	202	.265	.121	.666	-.093
10	203	.311	.135	.805	-.007
10	204	.149	.095	.504	-.106
10	205	-.039	.054	.126	-.415
10	206	-.086	.130	.424	-.662
10	207	.236	.122	.775	-.085
10	208	.273	.112	.719	-.024
10	209	.087	.067	.399	-.106
10	210	-.018	.053	.153	-.249
10	211	.242	.082	.512	-.014
10	212	.228	.093	.670	-.013
10	213	.238	.091	.618	-.037
10	214	.096	.054	.297	-.057
10	215	-.034	.087	.212	-.676
10	301	.100	.128	.553	-.299
10	302	.281	.187	.881	-.417
10	303	-.126	.111	.275	-.584
10	304	-.263	.138	.127	-.893
10	305	-.104	.096	.197	-.882
10	306	-.048	.061	.148	-.403
10	307	-.094	.085	.122	-.524
10	308	.064	.157	.706	-.508
10	309	.104	.160	.746	-.396
10	310	-.177	.123	.309	-.331
10	311	-.212	.140	.127	-.771

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
10	312	-.059	.088	.189	-.773
10	313	-.048	.060	.190	-.377
10	314	-.123	.122	.261	-.666
10	315	-.003	.102	.474	-.371
10	316	-.096	.087	.432	-.385
10	317	-.060	.109	.292	-.557
10	318	-.074	.093	.201	-.673
10	319	.000	.055	.192	-.333
10	320	.023	.047	.196	-.149
10	321	-.030	.068	.224	-.372
10	322	.030	.078	.437	-.152
10	323	.058	.076	.469	-.156
10	324	.053	.066	.501	-.267
10	325	.009	.053	.243	-.252
10	326	-.002	.055	.181	-.284
10	327	.041	.046	.211	-.163
20	101	-.100	.047	.038	-.330
20	102	-.043	.045	.150	-.218
20	103	.017	.065	.338	-.418
20	104	-.040	.060	.220	-.356
20	105	-.003	.094	.407	-.636
20	106	.006	.045	.262	-.261
20	107	-.130	.184	.557	-.973
20	108	.155	.101	.597	-.443
20	109	-.096	.056	.069	-.584
20	110	-.033	.046	.148	-.206
20	111	.084	.052	.354	-.115
20	112	.085	.053	.331	-.080
20	113	.053	.066	.302	-.344
20	114	.040	.053	.245	-.218
20	115	-.011	.135	.438	-.665
20	116	.156	.067	.470	-.042
20	201	-.086	.222	.613	-.907
20	202	.259	.160	.855	-.223
20	203	.285	.149	.765	-.210
20	204	.118	.095	.652	-.342
20	205	-.068	.061	.098	-.398
20	206	-.052	.131	.392	-.666
20	207	.200	.114	.783	-.313
20	208	.241	.127	.847	-.102
20	209	.076	.070	.350	-.137
20	210	-.043	.052	.128	-.380
20	211	.214	.089	.667	-.002
20	212	.208	.101	.686	-.058
20	213	.208	.096	.670	-.007
20	214	.058	.054	.337	-.102
20	215	-.036	.073	.212	-.567
20	301	.055	.129	.770	-.411
20	302	.235	.182	.891	-.446
20	303	-.200	.092	.124	-.745

APPENDIX A -- PRESSURE DATA: ADJACENT BUILDINGS WITHOUT LOGAN SQUARE IN PLACE

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
20	304	-.205	.128	.095	-.914
20	305	-.071	.078	.140	-.714
20	306	-.044	.060	.124	-.636
20	307	-.121	.082	.150	-.564
20	308	.018	.115	.629	-.460
20	309	.109	.160	.751	-.299
20	310	-.244	.163	.333	-1.151
20	311	-.194	.127	.124	-.794
20	312	-.046	.076	.182	-.462
20	313	-.041	.050	.126	-.543
20	314	-.074	.084	.250	-.503
20	315	-.003	.090	.414	-.375
20	316	.024	.110	.671	-.371
20	317	-.123	.117	.232	-.637
20	318	-.082	.091	.243	-.674
20	319	-.022	.055	.194	-.423
20	320	.008	.043	.156	-.215
20	321	-.026	.056	.280	-.291
20	322	.045	.085	.475	-.178
20	323	.039	.073	.448	-.203
20	324	.018	.062	.321	-.329
20	325	-.003	.048	.172	-.193
20	326	.002	.043	.174	-.182
20	327	.021	.040	.184	-.189
30	101	-.128	.052	.029	-.351
30	102	-.062	.059	.254	-.269
30	103	.000	.087	.424	-.418
30	104	-.052	.087	.442	-.426
30	105	-.004	.113	.433	-.658
30	106	.006	.058	.257	-.232
30	107	.059	.141	.619	-.578
30	108	.103	.099	.564	-.414
30	109	-.135	.063	.041	-.580
30	110	-.007	.040	.119	-.196
30	111	.153	.051	.471	-.014
30	112	.179	.048	.386	-.058
30	113	.066	.072	.355	-.542
30	114	.025	.055	.274	-.160
30	115	.119	.098	.504	-.639
30	116	.116	.077	.521	-.299
30	201	.001	.168	.533	-.789
30	202	.155	.153	.809	-.460
30	203	.153	.135	.640	-.315
30	204	.041	.083	.365	-.287
30	205	-.076	.063	.145	-.563
30	206	-.006	.118	.347	-.824
30	207	.119	.115	.706	-.585
30	208	.126	.107	.629	-.157
30	209	.019	.058	.367	-.278
30	210	-.058	.050	.092	-.526

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
30	211	.125	.076	.469	-.087
30	212	.106	.080	.480	-.126
30	213	.113	.080	.573	-.092
30	214	.009	.047	.228	-.174
30	215	-.036	.064	.126	-.444
30	301	-.073	.127	.725	-.806
30	302	-.089	.115	.481	-.865
30	303	-.117	.084	.177	-.637
30	304	-.081	.071	.157	-.594
30	305	-.082	.069	.143	-.496
30	306	-.084	.073	.110	-.416
30	307	-.135	.122	.119	-1.272
30	308	-.060	.068	.251	-.432
30	309	-.051	.091	.687	-.359
30	310	-.093	.072	.179	-.477
30	311	-.083	.053	.172	-.339
30	312	-.044	.044	.164	-.282
30	313	-.063	.059	.204	-.479
30	314	-.076	.061	.264	-.356
30	315	-.069	.063	.145	-.366
30	316	-.045	.087	.429	-.378
30	317	-.092	.067	.197	-.373
30	318	-.066	.053	.977	-.577
30	319	-.065	.037	.039	-.286
30	320	-.035	.039	.098	-.200
30	321	-.067	.047	.189	-.349
30	322	-.029	.057	.245	-.225
30	323	-.083	.074	.519	-.421
30	324	-.045	.054	.162	-.388
30	325	-.055	.050	.103	-.494
30	326	-.050	.043	.079	-.259
30	327	-.061	.036	.058	-.206
40	101	-.085	.048	.074	-.468
40	102	-.037	.054	.220	-.287
40	103	-.024	.082	.481	-.627
40	104	-.039	.077	.353	-.589
40	105	-.032	.108	.438	-.617
40	106	-.009	.075	.366	-.318
40	107	.022	.152	.671	-.890
40	108	-.040	.134	.566	-.474
40	109	-.082	.058	.157	-.338
40	110	.014	.036	.277	-.129
40	111	.136	.048	.333	-.099
40	112	.134	.049	.336	-.108
40	113	.014	.069	.313	-.446
40	114	-.007	.066	.299	-.458
40	115	.046	.092	.460	-.725
40	116	.045	.097	.501	-.316
40	201	.091	.144	.842	-.357
40	202	-.050	.157	.537	-.716

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
40	203	.005	.107	.511	-.685
40	204	-.033	.071	.276	-.402
40	205	-.092	.062	.088	-.453
40	206	.040	.078	.516	-.521
40	207	-.063	.116	.349	-.838
40	208	-.025	.078	.331	-.495
40	209	-.033	.047	.218	-.264
40	210	-.055	.040	.079	-.270
40	211	-.001	.061	.232	-.277
40	212	-.023	.065	.217	-.323
40	213	.004	.066	.279	-.269
40	214	-.013	.043	.163	-.248
40	215	-.027	.047	.129	-.387
40	301	.027	.187	.950	-.646
40	302	-.082	.142	.521	-.932
40	303	-.159	.147	.108	-1.108
40	304	-.110	.101	.129	-.951
40	305	-.089	.066	.119	-.388
40	306	-.136	.097	.149	-.650
40	307	-.291	.203	.038	-1.815
40	308	-.054	.069	.309	-.416
40	309	-.098	.069	.147	-.527
40	310	-.083	.061	.201	-.437
40	311	-.076	.045	.131	-.296
40	312	-.053	.051	.176	-.336
40	313	-.087	.071	.102	-.536
40	314	-.141	.087	.067	-.543
40	315	-.069	.066	.282	-.325
40	316	-.093	.068	.112	-.474
40	317	-.065	.038	.061	-.247
40	318	-.050	.036	.078	-.227
40	319	-.062	.037	.067	-.234
40	320	-.063	.049	.096	-.303
40	321	-.102	.065	.080	-.560
40	322	-.043	.059	.244	-.264
40	323	-.098	.056	.115	-.406
40	324	-.036	.038	.183	-.249
40	325	-.046	.037	.171	-.178
40	326	-.053	.040	.109	-.219
40	327	-.055	.037	.077	-.184
50	101	-.130	.079	.108	-.633
50	102	-.012	.076	.442	-.237
50	103	-.018	.068	.445	-.248
50	104	-.018	.062	.371	-.276
50	105	-.035	.069	.491	-.504
50	106	-.031	.070	.295	-.420
50	107	-.004	.112	.540	-.482
50	108	-.060	.107	.629	-.476
50	109	-.117	.093	.199	-.741
50	110	-.014	.047	.256	-.140

APPENDIX A -- PRESSURE DATA: ADJACENT BUILDINGS WITHOUT LOGAN SQUARE IN PLACE

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
50	111	.085	.058	.471	-.131
50	112	.077	.048	.310	-.085
50	113	.007	.061	.316	-.310
50	114	-.011	.068	.218	-.445
50	115	.001	.072	.431	-.453
50	116	-.038	.082	.393	-.433
50	201	.187	.198	.904	-.490
50	202	.020	.191	.667	-.855
50	203	.033	.123	.562	-.446
50	204	-.042	.075	.291	-.459
50	205	-.102	.063	.063	-.483
50	206	.020	.089	.515	-.515
50	207	-.032	.125	.414	-.775
50	208	-.004	.069	.337	-.203
50	209	-.032	.045	.165	-.277
50	210	-.060	.042	.082	-.345
50	211	.050	.071	.371	-.179
50	212	.037	.074	.385	-.203
50	213	.048	.077	.524	-.220
50	214	-.003	.045	.191	-.188
50	215	-.044	.054	.171	-.798
50	301	.153	.189	.841	-.459
50	302	-.119	.175	.625	-1.477
50	303	-.409	.255	.087	-2.745
50	304	-.150	.116	.126	-.937
50	305	-.112	.078	.098	-.573
50	306	-.240	.184	.106	-1.432
50	307	-.272	.201	.150	-1.672
50	308	-.024	.097	.610	-.474
50	309	-.238	.112	.149	-.901
50	310	-.161	.103	.108	-.616
50	311	-.082	.058	.150	-.345
50	312	-.076	.049	.119	-.355
50	313	-.115	.066	.055	-.546
50	314	-.153	.107	.099	-.636
50	315	-.110	.062	.215	-.377
50	316	-.144	.071	.078	-.732
50	317	-.081	.053	.115	-.302
50	318	-.070	.051	.122	-.349
50	319	-.067	.041	.070	-.213
50	320	-.066	.051	.093	-.434
50	321	-.074	.056	.178	-.421
50	322	-.093	.050	.230	-.227
50	323	-.071	.042	.205	-.217
50	324	-.053	.046	.216	-.241
50	325	-.054	.043	.204	-.208
50	326	-.051	.037	.053	-.210
50	327	-.052	.035	.070	-.232
60	101	-.171	.070	.050	-.584
60	102	-.010	.073	.449	-.221
60	103	.001	.085	.516	-.284
60	104	.013	.077	.521	-.284
60	105	-.004	.076	.812	-.254
60	106	-.014	.081	.428	-.720
60	107	-.043	.069	.295	-.291
60	108	-.153	.059	.030	-.440
60	109	-.136	.076	.223	-.790
60	110	-.025	.045	.226	-.190
60	111	.071	.069	.513	-.120
60	112	.077	.065	.474	-.088
60	113	.038	.057	.262	-.133
60	114	.011	.069	.271	-.720
60	115	-.061	.048	.176	-.247
60	116	-.129	.061	.105	-.504
60	201	.160	.146	.854	-.360
60	202	-.183	.183	.510	-.948
60	203	-.074	.117	.361	-.796
60	204	-.080	.065	.205	-.700
60	205	-.119	.060	.071	-.462
60	206	.069	.086	.553	-.176
60	207	-.158	.141	.237	-1.032
60	208	-.047	.071	.190	-.473
60	209	-.059	.042	.082	-.245
60	210	-.076	.041	.042	-.336
60	211	-.024	.062	.328	-.331
60	212	-.039	.066	.351	-.374
60	213	.005	.059	.361	-.444
60	214	-.026	.039	.139	-.181
60	215	-.071	.049	.054	-.516
60	301	.004	.132	.623	-.400
60	302	-.193	.105	.234	-.883
60	303	-.229	.097	.019	-1.051
60	304	-.124	.053	.023	-.608
60	305	-.119	.048	.030	-.414
60	306	-.186	.073	.033	-.664
60	307	-.208	.085	.151	-1.037
60	308	-.119	.124	.403	-.570
60	309	-.305	.107	-.024	-.733
60	310	-.134	.067	.122	-.523
60	311	-.104	.044	.066	-.360
60	312	-.129	.068	.103	-.441
60	313	-.332	.138	.009	-1.033
60	314	-.220	.137	.304	-.780
60	315	-.336	.114	.066	-.842
60	316	-.259	.108	.058	-.730
60	317	-.102	.056	.077	-.617
60	318	-.099	.046	.078	-.289
60	319	-.121	.066	.080	-.557
60	320	-.420	.144	-.052	-1.023
60	321	-.065	.106	.363	-.579
60	322	-.160	.059	.036	-.388
60	323	-.109	.054	.057	-.433
60	324	-.085	.042	.056	-.244
60	325	-.072	.042	.072	-.261
60	326	-.091	.055	.136	-.434
60	327	-.171	.062	.028	-.470
70	101	-.139	.064	.069	-.354
70	102	-.030	.067	.406	-.232
70	103	-.019	.067	.310	-.289
70	104	-.007	.072	.326	-.235
70	105	.022	.087	.483	-.432
70	106	.033	.073	.404	-.237
70	107	.016	.081	.443	-.216
70	108	-.153	.089	.152	-.680
70	109	-.118	.066	.088	-.549
70	110	-.056	.043	.218	-.237
70	111	.015	.050	.240	-.175
70	112	.046	.052	.266	-.116
70	113	.034	.069	.315	-.526
70	114	.064	.061	.351	-.142
70	115	-.004	.056	.335	-.202
70	116	-.106	.091	.181	-.574
70	201	.185	.199	.945	-.288
70	202	-.181	.167	.298	-.894
70	203	-.073	.078	.194	-.519
70	204	-.094	.051	.082	-.354
70	205	-.126	.061	.057	-.499
70	206	.126	.127	.641	-.362
70	207	-.154	.191	.431	-1.045
70	208	-.020	.057	.256	-.402
70	209	-.075	.040	.076	-.248
70	210	-.097	.039	.017	-.239
70	211	-.007	.053	.296	-.245
70	212	-.014	.056	.273	-.298
70	213	.008	.056	.368	-.140
70	214	-.056	.034	.099	-.181
70	215	-.106	.045	.037	-.308
70	301	-.145	.139	.721	-.477
70	302	-.382	.092	-.121	-.856
70	303	-.227	.073	.010	-.602
70	304	-.178	.055	.059	-.572
70	305	-.190	.061	.002	-.537
70	306	-.429	.117	-.044	-.964
70	307	-.292	.104	.208	-.606
70	308	-.292	.137	.252	-.944
70	309	-.477	.130	-.087	-1.058
70	310	-.170	.065	.081	-.480
70	311	-.153	.041	.000	-.324
70	312	-.179	.075	.105	-.777
70	313	-.457	.168	.021	-1.145

APPENDIX A -- PRESSURE DATA: ADJACENT BUILDINGS WITHOUT LOGAN SQUARE IN PLACE

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
70	314	-.249	.122	.308	-.751
70	315	-.275	.108	.148	-.720
70	316	-.397	.111	-.096	-.925
70	317	-.143	.059	.060	-.455
70	318	-.127	.042	.033	-.305
70	319	-.146	.056	.051	-.459
70	320	-.351	.134	.018	-.852
70	321	-.247	.087	.067	-.576
70	322	-.148	.059	.057	-.458
70	323	-.201	.073	-.009	-.522
70	324	-.141	.048	.011	-.369
70	325	-.121	.044	.031	-.329
70	326	-.139	.052	.042	-.387
70	327	-.215	.058	-.048	-.420
80	101	-.115	.048	.057	-.364
80	102	-.044	.054	.305	-.205
80	103	-.027	.067	.328	-.218
80	104	-.015	.074	.407	-.313
80	105	.019	.074	.345	-.291
80	106	.019	.066	.347	-.244
80	107	-.014	.065	.433	-.489
80	108	-.143	.075	.146	-.506
80	109	-.105	.055	.086	-.511
80	110	-.060	.043	.149	-.219
80	111	.007	.055	.328	-.157
80	112	.039	.052	.358	-.147
80	113	.030	.060	.258	-.272
80	114	.045	.057	.327	-.119
80	115	-.031	.046	.159	-.255
80	116	-.114	.084	.149	-.576
80	201	-.022	.105	.550	-.417
80	202	-.112	.074	.198	-.761
80	203	-.094	.058	.147	-.406
80	204	-.078	.049	.129	-.359
80	205	-.089	.050	.055	-.458
80	206	-.021	.067	.371	-.324
80	207	-.098	.084	.364	-.618
80	208	-.051	.047	.119	-.252
80	209	-.058	.034	.069	-.173
80	210	-.066	.031	.032	-.195
80	211	-.048	.037	.101	-.194
80	212	-.047	.037	.088	-.198
80	213	-.036	.045	.180	-.180
80	214	-.048	.033	.061	-.202
80	215	-.071	.037	.055	-.306
80	301	-.223	.117	.222	-.623
80	302	-.472	.115	-.182	-1.002
80	303	-.252	.082	-.044	-.600
80	304	-.213	.069	-.006	-.674
80	305	-.250	.079	.012	-.669
80	306	-.466	.140	.064	-1.094
80	307	-.198	.104	.325	-.559
80	308	-.335	.120	.077	-.867
80	309	-.527	.151	-.095	-1.143
80	310	-.210	.082	.038	-.556
80	311	-.191	.052	-.014	-.444
80	312	-.234	.094	.081	-1.076
80	313	-.531	.174	-.025	-1.204
80	314	-.263	.143	.272	-.758
80	315	-.310	.098	.010	-.678
80	316	-.447	.121	-.087	-.925
80	317	-.171	.066	.058	-.515
80	318	-.158	.049	-.001	-.409
80	319	-.178	.066	.032	-.583
80	320	-.429	.138	-.040	-1.037
80	321	-.244	.102	.083	-.659
80	322	-.172	.060	.052	-.402
80	323	-.232	.074	-.024	-.510
80	324	-.169	.053	.013	-.422
80	325	-.145	.043	-.015	-.315
80	326	-.160	.052	.016	-.385
80	327	-.245	.057	-.053	-.529
90	101	-.110	.052	.155	-.427
90	102	-.060	.051	.243	-.306
90	103	-.059	.051	.214	-.352
90	104	-.051	.062	.355	-.389
90	105	-.014	.084	.512	-.403
90	106	.010	.076	.357	-.240
90	107	.003	.089	.438	-.229
90	108	-.224	.093	.019	-.672
90	109	-.099	.054	.078	-.492
90	110	-.057	.040	.151	-.213
90	111	-.009	.045	.231	-.161
90	112	.010	.049	.263	-.116
90	113	-.007	.067	.303	-.343
90	114	.038	.065	.415	-.133
90	115	-.044	.054	.231	-.226
90	116	-.184	.107	.140	-1.146
90	201	-.013	.098	.586	-.262
90	202	-.163	.069	.073	-.623
90	203	-.172	.087	.090	-.770
90	204	-.131	.075	.075	-.607
90	205	-.117	.053	.025	-.406
90	206	-.071	.043	.156	-.269
90	207	-.142	.063	.078	-.710
90	208	-.121	.052	.096	-.327
90	209	-.120	.060	.023	-.413
90	210	-.107	.037	-.005	-.250
90	211	-.114	.050	.040	-.357
90	212	-.118	.054	.036	-.431
90	213	-.101	.058	.064	-.554
90	214	-.083	.054	.063	-.454
90	215	-.092	.041	.025	-.253
90	301	-.135	.115	.179	-.815
90	302	-.442	.131	-.044	-.976
90	303	-.216	.066	-.039	-.517
90	304	-.208	.069	.025	-.693
90	305	-.261	.089	.041	-.656
90	306	-.507	.162	.023	-1.294
90	307	-.182	.111	.376	-.558
90	308	-.355	.157	.233	-.925
90	309	-.514	.153	-.017	-1.204
90	310	-.192	.077	.042	-.537
90	311	-.184	.054	.029	-.573
90	312	-.230	.098	.052	-.739
90	313	-.534	.186	.031	-1.265
90	314	-.241	.141	.315	-.736
90	315	-.329	.122	.071	-.852
90	316	-.465	.125	-.064	-1.016
90	317	-.183	.071	.024	-.764
90	318	-.172	.050	.004	-.596
90	319	-.195	.067	.017	-.670
90	320	-.489	.136	-.050	-1.077
90	321	-.253	.112	.237	-.675
90	322	-.191	.071	.093	-.463
90	323	-.242	.084	.008	-.599
90	324	-.180	.057	.013	-.478
90	325	-.156	.052	.072	-.407
90	326	-.195	.065	-.008	-.477
90	327	-.262	.057	-.090	-.480
100	101	-.095	.055	.140	-.406
100	102	-.034	.058	.336	-.252
100	103	-.035	.054	.272	-.203
100	104	-.023	.056	.272	-.221
100	105	-.016	.058	.375	-.383
100	106	-.008	.061	.310	-.305
100	107	-.021	.071	.421	-.263
100	108	-.161	.069	.025	-.651
100	109	-.083	.053	.204	-.441
100	110	-.048	.039	.149	-.214
100	111	.003	.048	.261	-.171
100	112	.015	.046	.225	-.140
100	113	-.009	.061	.227	-.257
100	114	.014	.061	.259	-.454
100	115	-.051	.048	.177	-.226
100	116	-.140	.082	.049	-.698
100	201	.002	.111	.603	-.506
100	202	-.159	.099	.103	-1.058
100	203	-.122	.084	.115	-.683
100	204	-.090	.063	.088	-.728

APPENDIX A -- PRESSURE DATA: ADJACENT BUILDINGS WITHOUT LOGAN SQUARE IN PLACE

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
100	205	-.088	.050	.061	-.572
100	206	-.060	.051	.329	-.354
100	207	-.110	.084	.203	-.848
100	208	-.063	.044	.102	-.296
100	209	-.063	.042	.054	-.303
100	210	-.070	.035	.024	-.224
100	211	-.054	.040	.073	-.277
100	212	-.056	.042	.074	-.340
100	213	-.046	.039	.128	-.254
100	214	-.054	.031	.063	-.179
100	215	-.068	.036	.047	-.259
100	301	-.425	.108	-.031	-.828
100	302	-.479	.143	-.098	-1.294
100	303	-.233	.065	-.025	-.625
100	304	-.224	.072	.026	-.671
100	305	-.308	.103	-.054	-1.005
100	306	-.522	.167	.068	-1.289
100	307	-.160	.115	.338	-.599
100	308	-.498	.184	.156	-1.330
100	309	-.580	.180	-.026	-1.561
100	310	-.216	.087	.071	-.669
100	311	-.206	.062	-.009	-.534
100	312	-.269	.113	.161	-.915
100	313	-.655	.198	-.093	-1.626
100	314	-.212	.129	.303	-.704
100	315	-.400	.145	.087	-.995
100	316	-.497	.151	-.071	-1.279
100	317	-.194	.074	.067	-.589
100	318	-.187	.056	.015	-.681
100	319	-.216	.074	-.004	-.713
100	320	-.571	.159	-.147	-1.318
100	321	-.215	.108	.190	-.642
100	322	-.217	.076	.041	-.517
100	323	-.233	.076	.012	-.585
100	324	-.184	.062	-.004	-.613
100	325	-.154	.048	-.005	-.435
100	326	-.179	.054	-.019	-.397
100	327	-.276	.062	-.091	-.590
110	101	-.075	.034	.043	-.241
110	102	-.045	.036	.254	-.174
110	103	-.040	.045	.210	-.219
110	104	-.028	.050	.200	-.247
110	105	-.010	.058	.250	-.208
110	106	.001	.058	.265	-.272
110	107	-.028	.060	.311	-.215
110	108	-.136	.058	.042	-.531
110	109	-.068	.033	.045	-.236
110	110	-.052	.030	.091	-.151
110	111	-.015	.040	.140	-.147
110	112	.002	.042	.214	-.121
110	113	-.012	.052	.234	-.282
110	114	.008	.050	.202	-.220
110	115	-.047	.040	.182	-.175
110	116	-.115	.061	.023	-.645
110	201	-.071	.040	.119	-.234
110	202	-.074	.034	.089	-.232
110	203	-.081	.039	.036	-.358
110	204	-.076	.043	.053	-.358
110	205	-.088	.045	.061	-.312
110	206	-.072	.038	.140	-.248
110	207	-.076	.042	.159	-.349
110	208	-.063	.034	.051	-.196
110	209	-.067	.031	.038	-.194
110	210	-.073	.031	.030	-.225
110	211	-.058	.031	.043	-.184
110	212	-.058	.031	.037	-.193
110	213	-.057	.032	.059	-.192
110	214	-.056	.033	.028	-.223
110	215	-.064	.034	.038	-.226
110	301	-.436	.111	.007	-.978
110	302	-.478	.163	-.061	-1.312
110	303	-.210	.071	.026	-.567
110	304	-.225	.090	.017	-.861
110	305	-.404	.177	-.049	-1.810
110	306	-.455	.176	.117	-1.160
110	307	-.055	.170	.570	-.653
110	308	-.517	.197	.349	-1.220
110	309	-.466	.185	.053	-1.310
110	310	-.193	.084	.075	-.526
110	311	-.191	.065	.033	-.457
110	312	-.274	.109	.140	-.787
110	313	-.602	.188	-.100	-1.350
110	314	-.213	.133	.299	-.731
110	315	-.418	.160	.072	-1.001
110	316	-.410	.147	.052	-1.002
110	317	-.174	.076	.044	-.696
110	318	-.164	.057	.029	-.517
110	319	-.182	.070	.014	-.662
110	320	-.482	.143	-.094	-1.123
110	321	-.202	.106	.137	-.656
110	322	-.206	.094	.140	-.653
110	323	-.238	.096	.017	-.676
110	324	-.164	.066	.064	-.513
110	325	-.142	.051	.030	-.428
110	326	-.163	.059	.018	-.513
110	327	-.223	.060	-.021	-.457
120	101	-.098	.054	.095	-.407
120	102	-.027	.061	.333	-.286
120	103	-.047	.044	.238	-.285
120	104	-.035	.042	.278	-.248
120	105	-.038	.040	.209	-.246
120	106	-.035	.042	.211	-.183
120	107	-.032	.047	.266	-.184
120	108	-.072	.049	.066	-.519
120	109	-.084	.056	.230	-.402
120	110	-.025	.050	.225	-.169
120	111	-.005	.038	.153	-.151
120	112	-.006	.034	.127	-.106
120	113	-.027	.043	.181	-.293
120	114	-.011	.040	.202	-.157
120	115	-.028	.039	.184	-.182
120	116	-.066	.052	.068	-.420
120	201	-.100	.057	.144	-.379
120	202	-.166	.049	-.030	-.392
120	203	-.195	.059	-.022	-.477
120	204	-.196	.067	.011	-.550
120	205	-.198	.067	-.013	-.659
120	206	-.107	.039	.031	-.263
120	207	-.165	.059	.001	-.437
120	208	-.185	.054	-.036	-.458
120	209	-.173	.071	.046	-.787
120	210	-.159	.050	.000	-.396
120	211	-.147	.056	.008	-.461
120	212	-.158	.060	.007	-.510
120	213	-.159	.067	.067	-.470
120	214	-.122	.090	.068	-.915
120	215	-.119	.063	.050	-.421
120	301	-.353	.103	-.064	-.762
120	302	-.256	.120	.057	-1.147
120	303	-.126	.058	.061	-.434
120	304	-.158	.074	.078	-.484
120	305	-.241	.133	.052	-1.101
120	306	-.282	.153	.086	-1.306
120	307	-.029	.146	.554	-.542
120	308	-.483	.149	-.029	-1.098
120	309	-.207	.120	.099	-.856
120	310	-.118	.062	.093	-.423
120	311	-.127	.055	.064	-.422
120	312	-.197	.088	.034	-.630
120	313	-.344	.200	.132	-1.328
120	314	-.200	.140	.319	-.879
120	315	-.378	.118	.019	-1.032
120	316	-.172	.091	.081	-.639
120	317	-.099	.052	.054	-.403
120	318	-.106	.050	.043	-.400
120	319	-.130	.062	.052	-.481
120	320	-.250	.165	.116	-1.007
120	321	-.165	.118	.346	-.653
120	322	-.164	.062	.057	-.470
120	323	-.107	.054	.035	-.396

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
120	324	-.093	.047	-.046	-.437
120	325	-.089	.041	.052	-.375
120	326	-.115	.056	.039	-.421
120	327	-.130	.064	.035	-.544
130	101	-.194	.122	.239	-.804
130	102	-.233	.120	.512	-.410
130	103	-.003	.090	.428	-.500
130	104	-.021	.088	.471	-.381
130	105	-.003	.065	.418	-.236
130	106	-.051	.082	.368	-.519
130	107	-.047	.045	.159	-.221
130	108	-.087	.047	.047	-.369
130	109	-.142	.100	.397	-.743
130	110	-.033	.084	.356	-.249
130	111	-.045	.091	.450	-.216
130	112	-.037	.072	.402	-.159
130	113	-.003	.055	.277	-.267
130	114	-.037	.068	.202	-.578
130	115	-.044	.039	.164	-.233
130	116	-.076	.049	.064	-.695
130	201	-.085	.101	.327	-.460
130	202	-.208	.058	.005	-.581
130	203	-.217	.068	-.027	-.592
130	204	-.204	.076	-.045	-.638
130	205	-.188	.061	-.011	-.496
130	206	-.095	.062	.173	-.362
130	207	-.255	.087	-.034	-.792
130	208	-.215	.076	-.017	-.521
130	209	-.189	.065	-.003	-.637
130	210	-.176	.050	-.012	-.434
130	211	-.127	.061	.041	-.542
130	212	-.135	.066	.043	-.585
130	213	-.099	.057	.145	-.448
130	214	-.116	.046	.026	-.343
130	215	-.156	.063	.025	-.575
130	301	-.108	.082	.180	-.840
130	302	-.094	.060	.079	-.538
130	303	-.077	.049	.078	-.355
130	304	-.109	.074	.072	-.646
130	305	-.135	.121	.081	-1.196
130	306	-.073	.108	.482	-1.052
130	307	-.072	.094	.496	-.583
130	308	-.096	.061	.126	-.412
130	309	-.087	.054	.088	-.407
130	310	-.064	.039	.063	-.246
130	311	-.067	.038	.036	-.260
130	312	-.080	.048	.072	-.429
130	313	-.079	.046	.159	-.252
130	314	-.077	.049	.164	-.340
130	315	-.074	.057	.197	-.391

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
130	316	-.094	.055	.084	-.351
130	317	-.055	.038	.097	-.250
130	318	-.065	.036	.079	-.208
130	319	-.053	.037	.116	-.208
130	320	-.058	.048	.287	-.261
130	321	-.076	.053	.109	-.307
130	322	-.048	.051	.308	-.220
130	323	-.058	.044	.088	-.343
130	324	-.048	.038	.067	-.209
130	325	-.048	.035	.081	-.207
130	326	-.041	.040	.166	-.156
130	327	-.045	.034	.071	-.159
140	101	-.183	.045	-.040	-.628
140	102	-.149	.045	.019	-.297
140	103	-.102	.054	.208	-.345
140	104	-.096	.064	.361	-.413
140	105	-.059	.067	.371	-.363
140	106	-.062	.069	.281	-.779
140	107	-.059	.060	.224	-.271
140	108	-.194	.085	.030	-.639
140	109	-.182	.046	-.024	-.458
140	110	-.160	.039	.015	-.304
140	111	-.057	.052	.320	-.201
140	112	-.022	.056	.324	-.174
140	113	-.031	.065	.222	-.421
140	114	-.020	.055	.210	-.214
140	115	-.056	.048	.206	-.266
140	116	-.172	.100	.035	-.951
140	201	-.174	.058	.111	-.419
140	202	-.198	.049	-.033	-.423
140	203	-.178	.051	-.006	-.455
140	204	-.179	.055	.051	-.439
140	205	-.187	.054	-.017	-.449
140	206	-.176	.045	.034	-.359
140	207	-.170	.046	.029	-.555
140	208	-.161	.036	-.017	-.291
140	209	-.159	.038	-.019	-.321
140	210	-.195	.044	-.081	-.373
140	211	-.132	.031	-.006	-.252
140	212	-.137	.031	-.003	-.249
140	213	-.130	.038	.004	-.268
140	214	-.125	.044	-.004	-.540
140	215	-.126	.049	.029	-.427
140	301	-.282	.169	.169	-1.199
140	302	-.161	.084	.085	-.656
140	303	-.122	.051	.029	-.435
140	304	-.210	.119	.071	-.920
140	305	-.248	.154	.178	-1.507
140	306	-.024	.160	.766	-.602
140	307	.041	.119	.602	-.542

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
140	308	-.169	.091	.082	-.613
140	309	-.114	.058	.051	-.338
140	310	-.085	.046	.053	-.263
140	311	-.122	.066	.091	-.445
140	312	-.221	.116	.078	-.785
140	313	-.057	.106	.446	-.444
140	314	-.018	.076	.375	-.289
140	315	-.115	.054	.081	-.364
140	316	-.101	.050	.061	-.325
140	317	-.067	.040	.051	-.226
140	318	-.083	.047	.115	-.331
140	319	-.139	.065	.074	-.516
140	320	-.104	.071	.187	-.499
140	321	-.045	.058	.211	-.310
140	322	-.063	.047	.197	-.238
140	323	-.090	.051	.076	-.342
140	324	-.063	.044	.082	-.241
140	325	-.062	.043	.143	-.240
140	326	-.065	.043	.141	-.205
140	327	-.045	.048	.169	-.185
150	101	-.169	.041	.053	-.358
150	102	-.091	.034	.062	-.233
150	103	-.121	.042	.057	-.336
150	104	-.129	.045	.038	-.272
150	105	-.105	.053	.082	-.394
150	106	-.044	.041	.091	-.191
150	107	-.075	.046	.149	-.265
150	108	-.144	.063	.038	-.509
150	109	-.171	.045	.096	-.432
150	110	-.095	.034	.056	-.202
150	111	-.088	.036	.055	-.225
150	112	-.078	.036	.089	-.194
150	113	-.099	.053	.132	-.426
150	114	-.098	.040	.164	-.176
150	115	-.047	.044	.313	-.220
150	116	-.117	.080	.073	-.687
150	201	-.199	.057	.023	-.496
150	202	-.125	.042	.034	-.317
150	203	-.168	.047	-.012	-.332
150	204	-.189	.053	.029	-.495
150	205	-.203	.066	.037	-.708
150	206	-.155	.042	.031	-.356
150	207	-.171	.038	.019	-.305
150	208	-.156	.035	.014	-.260
150	209	-.158	.036	.028	-.297
150	210	-.130	.042	.021	-.341
150	211	-.134	.033	.005	-.254
150	212	-.148	.033	.014	-.265
150	213	-.145	.034	.044	-.293
150	214	-.079	.037	.043	-.317

APPENDIX A -- PRESSURE DATA: ADJACENT BUILDINGS WITHOUT LOGAN SQUARE IN PLACE

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
150	215	-.143	.045	.033	-.334
150	301	-.417	.228	.004	-1.729
150	302	-.205	.087	.028	-.703
150	303	-.120	.064	.069	-.513
150	304	-.340	.178	.048	-1.500
150	305	-.327	.186	.152	-1.400
150	306	.086	.221	.928	-.832
150	307	.128	.155	.728	-.398
150	308	-.281	.118	.022	-.824
150	309	-.163	.068	.054	-.452
150	310	-.139	.056	.118	-.437
150	311	-.132	.078	.117	-.632
150	312	-.325	.148	.042	-.990
150	313	-.118	.129	.472	-.684
150	314	-.038	.104	.445	-.545
150	315	-.105	.062	.071	-.465
150	316	-.150	.055	.028	-.370
150	317	-.127	.049	.095	-.395
150	318	-.133	.048	.084	-.347
150	319	-.146	.069	.021	-.534
150	320	-.149	.090	.210	-.652
150	321	-.083	.069	.241	-.349
150	322	-.103	.042	.064	-.256
150	323	-.074	.046	.064	-.241
150	324	-.104	.045	.051	-.249
150	325	-.110	.042	.050	-.290
150	326	-.124	.045	.100	-.306
150	327	-.049	.049	.195	-.211
160	101	-.194	.052	.062	-.381
160	102	-.142	.036	-.022	-.343
160	103	-.178	.044	-.047	-.528
160	104	-.177	.038	-.067	-.486
160	105	-.182	.053	-.032	-.515
160	106	-.123	.043	.059	-.292
160	107	-.179	.060	.021	-.458
160	108	-.130	.043	.033	-.433
160	109	-.196	.055	.045	-.460
160	110	-.131	.040	.014	-.281
160	111	-.136	.033	-.007	-.271
160	112	-.147	.033	-.036	-.282
160	113	-.160	.044	-.010	-.364
160	114	-.121	.042	.004	-.332
160	115	-.151	.061	.086	-.537
160	116	-.126	.038	.002	-.271
160	201	-.261	.072	.093	-.643
160	202	-.158	.045	.029	-.339
160	203	-.179	.050	-.033	-.382
160	204	-.190	.053	-.027	-.582
160	205	-.215	.067	-.043	-.513
160	206	-.214	.046	-.013	-.411

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
160	207	-.191	.039	-.025	-.304
160	208	-.154	.036	-.031	-.284
160	209	-.178	.040	-.037	-.359
160	210	-.168	.057	-.004	-.437
160	211	-.148	.032	-.031	-.258
160	212	-.159	.032	-.049	-.269
160	213	-.156	.033	-.043	-.298
160	214	-.106	.032	.014	-.277
160	215	-.165	.040	-.031	-.341
160	301	-.408	.194	-.056	-1.532
160	302	-.223	.079	.027	-.770
160	303	-.175	.076	.027	-.664
160	304	-.344	.192	-.040	-1.809
160	305	-.296	.168	.271	-1.305
160	306	-.051	.196	.825	-.772
160	307	.044	.172	.699	-.519
160	308	-.281	.106	-.014	-.850
160	309	-.201	.064	-.031	-.471
160	310	-.193	.056	-.001	-.458
160	311	-.190	.078	.038	-.605
160	312	-.284	.129	.195	-1.014
160	313	-.174	.095	.335	-.653
160	314	-.092	.110	.398	-.463
160	315	-.161	.065	.021	-.592
160	316	-.169	.052	-.014	-.417
160	317	-.172	.043	-.014	-.369
160	318	-.200	.053	-.032	-.504
160	319	-.179	.070	-.011	-.547
160	320	-.160	.070	.119	-.554
160	321	-.140	.067	.231	-.422
160	322	-.167	.041	-.021	-.329
160	323	-.112	.037	-.011	-.330
160	324	-.151	.036	-.040	-.272
160	325	-.165	.035	-.034	-.289
160	326	-.171	.039	-.041	-.401
160	327	-.088	.040	.063	-.198
170	101	-.156	.049	.084	-.318
170	102	-.115	.037	.037	-.348
170	103	-.149	.043	.040	-.364
170	104	-.149	.040	.036	-.288
170	105	-.149	.052	.014	-.555
170	106	-.095	.040	.046	-.249
170	107	-.142	.061	.064	-.411
170	108	-.107	.043	.089	-.274
170	109	-.150	.052	.035	-.358
170	110	-.103	.044	.072	-.289
170	111	-.111	.038	.033	-.234
170	112	-.118	.037	.011	-.229
170	113	-.135	.046	-.001	-.383
170	114	-.094	.040	.032	-.317

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
170	115	-.127	.061	.055	-.472
170	116	-.100	.040	.052	-.251
170	201	-.304	.095	-.013	-.781
170	202	-.161	.056	.041	-.364
170	203	-.155	.056	.037	-.373
170	204	-.160	.060	.050	-.379
170	205	-.190	.073	-.004	-.564
170	206	-.241	.053	-.095	-.487
170	207	-.183	.046	-.028	-.342
170	208	-.121	.042	.025	-.277
170	209	-.146	.042	.012	-.300
170	210	-.143	.060	.037	-.416
170	211	-.121	.034	-.001	-.234
170	212	-.128	.035	-.012	-.242
170	213	-.131	.043	.008	-.347
170	214	-.088	.039	.039	-.269
170	215	-.140	.046	.019	-.373
170	301	-.226	.103	.080	-1.005
170	302	-.191	.067	.039	-.718
170	303	-.148	.065	.083	-.634
170	304	-.204	.094	.120	-.990
170	305	-.208	.114	.308	-1.042
170	306	-.138	.153	.656	-1.230
170	307	-.103	.112	.563	-.788
170	308	-.172	.059	.006	-.458
170	309	-.168	.049	-.005	-.382
170	310	-.178	.050	.021	-.376
170	311	-.135	.048	.065	-.397
170	312	-.187	.063	.044	-.530
170	313	-.177	.070	.281	-.548
170	314	-.162	.064	.150	-.521
170	315	-.127	.046	.039	-.295
170	316	-.162	.052	.015	-.443
170	317	-.165	.045	.027	-.423
170	318	-.174	.044	-.029	-.453
170	319	-.142	.041	-.003	-.306
170	320	-.136	.061	.203	-.306
170	321	-.156	.050	.057	-.363
170	322	-.158	.047	.026	-.320
170	323	-.132	.049	.032	-.320
170	324	-.156	.044	.006	-.335
170	325	-.163	.040	.007	-.322
170	326	-.165	.038	.084	-.286
170	327	-.110	.035	.136	-.225
180	101	-.154	.040	.031	-.353
180	102	-.126	.034	.006	-.294
180	103	-.154	.038	-.026	-.300
180	104	-.160	.041	-.019	-.386
180	105	-.165	.048	.029	-.381
180	106	-.124	.042	.049	-.307

APPENDIX A -- PRESSURE DATA: ADJACENT BUILDINGS WITHOUT LOGAN SQUARE IN PLACE

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
180	107	-.159	.060	.022	-.581
180	108	-.138	.048	.050	-.391
180	109	-.140	.039	.003	-.266
180	110	-.121	.038	-.005	-.323
180	111	-.129	.036	-.005	-.231
180	112	-.139	.037	-.012	-.236
180	113	-.158	.049	.036	-.434
180	114	-.122	.051	.102	-.355
180	115	-.144	.070	.041	-.705
180	116	-.129	.049	.030	-.321
180	201	-.230	.074	.024	-.546
180	202	-.163	.050	.047	-.384
180	203	-.190	.052	.025	-.408
180	204	-.202	.054	.002	-.508
180	205	-.215	.060	-.020	-.568
180	206	-.196	.056	-.039	-.432
180	207	-.186	.044	-.045	-.369
180	208	-.183	.042	-.031	-.351
180	209	-.183	.045	-.043	-.341
180	210	-.145	.041	-.019	-.328
180	211	-.153	.040	-.033	-.282
180	212	-.163	.042	-.040	-.342
180	213	-.182	.050	-.048	-.390
180	214	-.143	.045	-.017	-.364
180	215	-.191	.048	-.015	-.369
180	301	-.173	.083	.086	-.769
180	302	-.166	.083	.121	-.568
180	303	-.126	.073	.127	-.571
180	304	-.174	.094	.163	-.937
180	305	-.186	.111	.306	-1.111
180	306	-.193	.132	.510	-1.239
180	307	-.156	.107	.342	-1.209
180	308	-.161	.058	.043	-.475
180	309	-.149	.055	.044	-.360
180	310	-.150	.059	.052	-.619
180	311	-.127	.054	.058	-.480
180	312	-.165	.055	.082	-.440
180	313	-.176	.061	.198	-.561
180	314	-.182	.054	.019	-.499
180	315	-.118	.044	.061	-.300
180	316	-.138	.049	.048	-.321
180	317	-.148	.053	.028	-.309
180	318	-.170	.053	.017	-.446
180	319	-.123	.042	.070	-.380
180	320	-.150	.051	.096	-.309
180	321	-.174	.041	-.031	-.367
180	322	-.139	.047	.049	-.321
180	323	-.099	.049	.045	-.296
180	324	-.136	.054	.015	-.346
180	325	-.153	.051	-.005	-.437

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
180	326	-.154	.050	.056	-.365
180	327	-.120	.035	.058	-.266
190	101	-.163	.049	.020	-.412
190	102	-.172	.040	-.019	-.328
190	103	-.186	.043	-.064	-.345
190	104	-.193	.056	-.045	-.540
190	105	-.197	.061	.010	-.533
190	106	-.133	.050	.039	-.364
190	107	-.173	.078	.069	-.677
190	108	-.118	.047	.035	-.322
190	109	-.117	.038	.024	-.266
190	110	-.166	.046	-.052	-.389
190	111	-.162	.036	-.048	-.314
190	112	-.168	.038	-.055	-.298
190	113	-.194	.059	.013	-.484
190	114	-.159	.051	.042	-.321
190	115	-.149	.073	.062	-.527
190	116	-.113	.043	.033	-.367
190	201	-.231	.057	-.020	-.611
190	202	-.218	.056	-.033	-.642
190	203	-.234	.051	-.076	-.448
190	204	-.241	.057	-.078	-.502
190	205	-.231	.052	-.027	-.433
190	206	-.216	.043	-.090	-.378
190	207	-.230	.043	-.099	-.422
190	208	-.237	.048	-.109	-.497
190	209	-.233	.049	-.098	-.496
190	210	-.189	.040	-.045	-.320
190	211	-.180	.043	-.038	-.331
190	212	-.186	.050	-.038	-.497
190	213	-.228	.058	-.032	-.454
190	214	-.213	.058	-.016	-.497
190	215	-.200	.054	.048	-.378
190	301	-.152	.079	.123	-.575
190	302	-.145	.074	.083	-.578
190	303	-.128	.068	.093	-.455
190	304	-.163	.095	.184	-.925
190	305	-.168	.110	.385	-.890
190	306	-.148	.123	.531	-.747
190	307	-.129	.107	.358	-.668
190	308	-.122	.053	.037	-.314
190	309	-.121	.047	.026	-.312
190	310	-.131	.048	.008	-.369
190	311	-.114	.051	.088	-.417
190	312	-.150	.058	.114	-.410
190	313	-.157	.059	.080	-.454
190	314	-.149	.060	.139	-.548
190	315	-.111	.046	.077	-.303
190	316	-.122	.050	.039	-.305
190	317	-.117	.045	.052	-.357

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
190	318	-.127	.049	.116	-.323
190	319	-.121	.045	.102	-.277
190	320	-.136	.048	.121	-.296
190	321	-.143	.042	.014	-.301
190	322	-.137	.046	.052	-.297
190	323	-.100	.048	.051	-.286
190	324	-.090	.039	.046	-.230
190	325	-.123	.046	.092	-.301
190	326	-.149	.041	.008	-.308
190	327	-.111	.032	.025	-.228
200	101	-.138	.059	.127	-.348
200	102	-.196	.040	.025	-.335
200	103	-.183	.043	.029	-.358
200	104	-.201	.075	.012	-.919
200	105	-.195	.065	.006	-.498
200	106	-.154	.049	.038	-.361
200	107	-.166	.071	.039	-.520
200	108	-.110	.044	.047	-.294
200	109	-.102	.041	.034	-.257
200	110	-.194	.049	.051	-.430
200	111	-.163	.037	.043	-.325
200	112	-.165	.037	.052	-.311
200	113	-.191	.058	.032	-.489
200	114	-.180	.045	.029	-.359
200	115	-.141	.061	.023	-.478
200	116	-.103	.037	.057	-.327
200	201	-.228	.044	.065	-.435
200	202	-.247	.043	.108	-.497
200	203	-.242	.048	.099	-.501
200	204	-.244	.049	.062	-.450
200	205	-.214	.063	.148	-.477
200	206	-.244	.039	.134	-.392
200	207	-.232	.041	.109	-.398
200	208	-.243	.045	.093	-.434
200	209	-.248	.049	.060	-.524
200	210	-.216	.045	.065	-.407
200	211	-.163	.043	.018	-.313
200	212	-.160	.049	.035	-.372
200	213	-.241	.056	.067	-.510
200	214	-.271	.063	.094	-.798
200	215	-.203	.051	.010	-.438
200	301	-.150	.068	.045	-.531
200	302	-.142	.063	.045	-.439
200	303	-.169	.070	.028	-.715
200	304	-.164	.108	.227	-1.436
200	305	-.131	.118	.516	-1.066
200	306	-.134	.134	.673	-.788
200	307	-.168	.107	.326	-.736
200	308	-.127	.053	.051	-.344
200	309	-.136	.059	.026	-.531

APPENDIX A -- PRESSURE DATA: ADJACENT BUILDINGS WITHOUT LOGAN SQUARE IN PLACE

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
200	310	-.145	.059	.057	-.484
200	311	-.123	.060	.164	-.502
200	312	-.143	.064	.147	-.412
200	313	-.167	.057	.068	-.453
200	314	-.151	.056	.139	-.498
200	315	-.140	.045	.020	-.292
200	316	-.161	.062	.046	-.407
200	317	-.128	.052	.080	-.339
200	318	-.080	.057	.200	-.268
200	319	-.147	.046	.009	-.359
200	320	-.158	.049	.032	-.372
200	321	-.139	.040	.004	-.318
200	322	-.144	.045	-.001	-.306
200	323	-.160	.054	-.022	-.442
200	324	-.079	.045	.154	-.224
200	325	-.080	.049	.177	-.254
200	326	-.140	.047	-.004	-.336
200	327	-.132	.038	-.008	-.347
210	101	-.085	.070	.221	-.359
210	102	-.108	.041	.058	-.275
210	103	-.121	.047	.021	-.405
210	104	-.179	.077	.033	-.946
210	105	-.173	.060	.024	-.486
210	106	-.105	.049	.056	-.390
210	107	-.147	.081	.053	-.682
210	108	-.113	.044	.041	-.292
210	109	-.062	.045	.130	-.225
210	110	-.107	.046	.012	-.353
210	111	-.103	.037	.028	-.245
210	112	-.145	.036	-.018	-.290
210	113	-.156	.051	-.016	-.460
210	114	-.107	.041	.016	-.240
210	115	-.138	.070	.037	-.729
210	116	-.116	.038	.024	-.254
210	201	-.224	.051	-.067	-.496
210	202	-.181	.050	-.023	-.467
210	203	-.216	.059	-.056	-.524
210	204	-.258	.067	-.037	-.601
210	205	-.144	.101	.370	-.587
210	206	-.158	.040	-.028	-.326
210	207	-.181	.044	-.038	-.368
210	208	-.237	.050	-.085	-.450
210	209	-.244	.059	-.079	-.726
210	210	-.110	.056	.176	-.291
210	211	-.111	.047	.065	-.266
210	212	-.148	.058	.104	-.356
210	213	-.221	.058	.034	-.534
210	214	-.193	.061	.067	-.472
210	215	-.136	.058	.216	-.345
210	301	-.151	.062	.043	-.538

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
210	302	-.166	.077	.082	-.862
210	303	-.199	.143	.058	-.901
210	304	-.092	.129	.337	-.120
210	305	-.051	.136	.726	-.611
210	306	-.112	.150	.640	-.850
210	307	-.168	.115	.201	-.963
210	308	-.096	.048	.074	-.289
210	309	-.171	.079	.060	-.565
210	310	-.252	.100	.022	-.728
210	311	.001	.083	.356	-.330
210	312	-.056	.074	.335	-.350
210	313	-.209	.087	.203	-.589
210	314	-.181	.064	.118	-.558
210	315	-.082	.053	.079	-.328
210	316	-.194	.094	.086	-.620
210	317	-.206	.101	.123	-.604
210	318	-.013	.089	.470	-.306
210	319	-.072	.059	.162	-.307
210	320	-.184	.067	.025	-.487
210	321	-.143	.044	.006	-.409
210	322	-.137	.052	.039	-.337
210	323	-.141	.072	.067	-.483
210	324	-.071	.062	.195	-.331
210	325	.009	.070	.296	-.212
210	326	-.100	.063	.197	-.345
210	327	-.088	.051	.180	-.351
220	101	-.054	.070	.328	-.291
220	102	-.090	.041	.052	-.266
220	103	-.100	.049	.087	-.359
220	104	-.139	.063	.053	-.727
220	105	-.136	.052	.042	-.449
220	106	-.101	.042	.097	-.299
220	107	-.118	.066	.075	-.409
220	108	-.095	.046	.078	-.269
220	109	-.052	.043	.129	-.201
220	110	-.093	.042	.024	-.301
220	111	-.080	.037	.023	-.326
220	112	-.117	.037	-.011	-.249
220	113	-.123	.042	.017	-.497
220	114	-.087	.038	.021	-.218
220	115	-.097	.059	.061	-.541
220	116	-.106	.042	.036	-.259
220	201	-.241	.058	-.034	-.602
220	202	-.235	.071	-.045	-.553
220	203	-.257	.074	-.022	-.673
220	204	-.277	.072	-.062	-.680
220	205	-.044	.134	.481	-.466
220	206	-.184	.046	.028	-.472
220	207	-.221	.074	-.007	-.779
220	208	-.284	.063	-.075	-.552

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
220	209	-.272	.067	-.063	-.709
220	210	-.016	.093	.394	-.289
220	211	-.068	.062	.174	-.321
220	212	-.089	.084	.250	-.421
220	213	-.242	.104	.105	-.684
220	214	-.250	.092	.017	-.785
220	215	-.061	.078	.269	-.343
220	301	-.201	.080	.073	-.709
220	302	-.271	.148	.013	-1.185
220	303	-.519	.169	-.140	-1.791
220	304	-.072	.125	.488	-.534
220	305	.356	.217	1.104	-.180
220	306	-.115	.190	.732	-.957
220	307	-.598	.261	.081	-2.089
220	308	-.109	.071	.181	-.416
220	309	-.230	.142	.208	-1.211
220	310	-.602	.164	.126	-1.328
220	311	.083	.127	.512	-.507
220	312	.226	.107	.776	-.239
220	313	.424	.177	.341	-1.014
220	314	.514	.183	.063	-1.318
220	315	.065	.071	.164	-.481
220	316	.087	.132	.179	-1.020
220	317	.425	.159	.008	-1.307
220	318	.055	.127	.535	-.400
220	319	.118	.093	.477	-.211
220	320	.339	.133	.080	-.826
220	321	.269	.136	.080	-1.009
220	322	.076	.063	.156	-.313
220	323	.113	.087	.282	-.574
220	324	.109	.097	.207	-.543
220	325	.126	.092	.622	-.163
220	326	.161	.098	.722	-.121
220	327	.036	.073	.282	-.242
230	101	.056	.064	.221	-.225
230	102	.095	.036	.032	-.283
230	103	.098	.045	.066	-.398
230	104	.124	.054	.054	-.573
230	105	.107	.041	.037	-.286
230	106	.084	.039	.048	-.234
230	107	.073	.049	.078	-.457
230	108	.076	.040	.076	-.214
230	109	.043	.038	.172	-.161
230	110	.038	.042	.022	-.382
230	111	.070	.033	.040	-.193
230	112	.094	.033	.012	-.219
230	113	.100	.036	.035	-.244
230	114	.107	.033	.044	-.193
230	115	.045	.045	.069	-.269
230	116	.076	.038	.029	-.221

WD	TAP	CP MEAN	CP RMS	CP MAX	CP MIN
230	201	-.226	.061	.013	-.457
230	202	-.244	.080	.099	-.657
230	203	-.217	.071	.007	-.724
230	204	-.231	.069	-.011	-.643
230	205	-.069	.141	.651	-.526
230	206	-.177	.062	.121	-.415
230	207	-.294	.108	.023	-.879
230	208	-.280	.063	-.085	-.593
230	209	-.258	.058	-.068	-.482
230	210	-.051	.084	.411	-.229
230	211	-.115	.099	.273	-.498
230	212	-.145	.136	.423	-.645
230	213	-.285	.098	.064	-.779
230	214	-.245	.082	-.024	-.841
230	215	-.021	.079	.378	-.205
230	301	-.138	.067	.066	-.549
230	302	-.329	.171	.076	-1.257
230	303	-.368	.120	-.036	-1.662
230	304	.163	.151	.631	-.615
230	305	.330	.229	1.132	-.370
230	306	-.144	.135	.287	-.915
230	307	-.513	.195	.010	-1.609
230	308	-.081	.068	.176	-.407
230	309	-.224	.149	.232	-.970
230	310	-.429	.152	-.004	-1.662
230	311	.096	.146	.645	-.452
230	312	.142	.138	.738	-.277
230	313	-.257	.163	.393	-1.007
230	314	-.386	.164	.062	-1.029
230	315	-.029	.057	.150	-.341
230	316	-.120	.099	.212	-.738
230	317	-.259	.122	.034	-.749
230	318	.054	.128	.568	-.398
230	319	.057	.082	.404	-.341
230	320	-.099	.124	.407	-.646
230	321	-.212	.104	.173	-.655
230	322	-.031	.045	.138	-.193
230	323	-.049	.057	.160	-.324
230	324	-.041	.071	.385	-.357
230	325	.084	.083	.470	-.202
230	326	.109	.083	.502	-.146
230	327	.066	.065	.411	-.109
240	101	-.057	.054	.210	-.261
240	102	-.093	.033	.047	-.216
240	103	-.087	.042	.048	-.370
240	104	-.107	.043	.064	-.580
240	105	-.099	.040	.023	-.251
240	106	-.081	.042	.054	-.275
240	107	-.059	.047	.079	-.362
240	108	-.071	.039	.074	-.246

WD	TAP	CP MEAN	CP RMS	CP MAX	CP MIN
240	109	-.036	.036	.084	-.145
240	110	-.113	.046	.017	-.452
240	111	-.065	.035	.043	-.283
240	112	-.084	.032	.014	-.216
240	113	-.089	.036	.025	-.217
240	114	-.068	.034	.037	-.177
240	115	-.058	.041	.074	-.226
240	116	-.083	.036	.059	-.211
240	201	-.227	.066	.018	-.471
240	202	-.270	.089	-.047	-.739
240	203	-.221	.065	-.010	-.530
240	204	-.237	.065	-.003	-.508
240	205	-.098	.101	.479	-.251
240	206	-.201	.068	.182	-.449
240	207	-.298	.117	.046	-.854
240	208	-.290	.073	-.083	-.605
240	209	-.286	.069	-.086	-.784
240	210	-.041	.074	.369	-.211
240	211	-.054	.132	.403	-.485
240	212	-.067	.184	.556	-.907
240	213	-.289	.127	.139	-.930
240	214	-.274	.099	-.002	-.798
240	215	-.040	.077	.371	-.245
240	301	-.125	.070	.072	-.668
240	302	-.272	.127	.062	-.967
240	303	-.320	.097	-.005	-.690
240	304	.240	.172	.733	-1.000
240	305	.147	.199	.891	-.495
240	306	-.270	.170	.472	-1.305
240	307	-.383	.181	-.047	-1.270
240	308	-.081	.074	.139	-.538
240	309	-.231	.135	.134	-.820
240	310	-.386	.142	.028	-1.019
240	311	.240	.155	.906	-.265
240	312	.052	.125	.544	-.432
240	313	-.359	.223	.311	-1.314
240	314	-.370	.159	.045	-1.080
240	315	-.077	.077	.120	-.543
240	316	-.206	.131	.112	-.900
240	317	-.313	.137	.044	-.947
240	318	.164	.135	.753	-.273
240	319	.008	.096	.445	-.386
240	320	-.234	.173	.268	-.919
240	321	-.215	.111	.142	-.817
240	322	-.061	.052	.114	-.352
240	323	-.120	.077	.071	-.496
240	324	-.057	.088	.297	-.540
240	325	.127	.098	.583	-.088
240	326	.079	.083	.385	-.241
240	327	-.012	.069	.192	-.371

WD	TAP	CP MEAN	CP RMS	CP MAX	CP MIN
250	101	-.048	.042	.207	-.209
250	102	-.086	.033	.060	-.223
250	103	-.065	.038	.081	-.292
250	104	-.085	.033	.056	-.227
250	105	-.081	.036	.069	-.263
250	106	-.098	.038	.015	-.253
250	107	-.062	.040	.074	-.225
250	108	-.076	.039	.056	-.265
250	109	-.018	.035	.101	-.147
250	110	-.088	.039	.037	-.355
250	111	-.041	.032	.062	-.153
250	112	-.066	.031	.027	-.182
250	113	-.073	.031	.037	-.231
250	114	-.084	.031	.022	-.203
250	115	-.061	.034	.045	-.194
250	116	-.074	.031	.039	-.192
250	201	-.245	.072	.018	-.509
250	202	-.321	.114	-.012	-.888
250	203	-.270	.081	-.065	-.677
250	204	-.289	.078	-.058	-.715
250	205	-.154	.122	-.633	-.319
250	206	-.272	.074	-.032	-.707
250	207	-.295	.112	-.015	-.868
250	208	-.344	.093	-.046	-1.252
250	209	-.318	.080	-.093	-.706
250	210	-.082	.090	.459	-.203
250	211	-.079	.097	.433	-.335
250	212	-.115	.133	.681	-.416
250	213	-.250	.188	.338	-1.055
250	214	-.352	.124	-.052	-.942
250	215	-.076	.084	.428	-.213
250	301	-.195	.087	.046	-.668
250	302	-.365	.132	.013	-.972
250	303	-.353	.102	-.002	-.751
250	304	-.289	.134	.803	-.298
250	305	-.137	.142	.723	-.523
250	306	-.466	.144	.094	-1.035
250	307	-.396	.156	-.035	-1.309
250	308	-.164	.111	.136	-.787
250	309	-.358	.177	.176	-1.260
250	310	-.439	.154	.040	-1.146
250	311	-.325	.125	.791	-.010
250	312	-.110	.127	.593	-.376
250	313	-.622	.221	.029	-1.518
250	314	-.376	.194	.178	-1.296
250	315	-.166	.110	.097	-1.161
250	316	-.331	.144	.153	-1.062
250	317	-.342	.144	.061	-.994
250	318	-.182	.117	.697	-.123
250	319	.037	.105	.484	-.317

APPENDIX A -- PRESSURE DATA: ADJACENT BUILDINGS WITHOUT LOGAN SQUARE IN PLACE

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
250	320	-.408	.163	.346	-1.122
250	321	-.308	.145	.129	-.926
250	322	-.109	.063	.084	-.472
250	323	-.224	.088	.065	-.687
250	324	-.102	.092	.258	-.538
250	325	.153	.094	.604	-.090
250	326	-.115	.093	.594	-.140
250	327	-.058	.063	.161	-.419
260	101	-.030	.036	.116	-.157
260	102	-.052	.031	.062	-.177
260	103	-.032	.033	.069	-.211
260	104	-.052	.031	.052	-.193
260	105	-.051	.034	.070	-.194
260	106	-.071	.033	.032	-.202
260	107	-.035	.035	.074	-.187
260	108	-.045	.039	.136	-.223
260	109	-.000	.033	.149	-.101
260	110	-.060	.036	.065	-.202
260	111	-.015	.031	.110	-.113
260	112	-.046	.030	.077	-.151
260	113	-.045	.032	.070	-.165
260	114	-.061	.030	.027	-.179
260	115	-.038	.034	.057	-.214
260	116	-.051	.032	.069	-.176
260	201	-.242	.090	.055	-.675
260	202	-.314	.136	.127	-.926
260	203	-.304	.110	-.020	-.976
260	204	-.345	.110	-.001	-.977
260	205	-.213	.151	.790	-.300
260	206	-.256	.090	-.032	-.872
260	207	-.247	.129	.122	-1.103
260	208	-.351	.131	.084	-1.196
260	209	-.321	.107	-.027	-1.174
260	210	-.109	.099	.473	-.172
260	211	-.114	.089	.474	-.271
260	212	-.139	.125	.670	-.438
260	213	-.180	.206	.366	-1.226
260	214	-.317	.136	.045	-.954
260	215	-.082	.083	.436	-.185
260	301	-.199	.082	.069	-.729
260	302	-.390	.131	-.059	-.890
260	303	-.242	.094	.107	-.558
260	304	-.293	.140	.870	-.106
260	305	-.003	.110	.433	-.398
260	306	-.455	.128	-.103	-.979
260	307	-.262	.101	.005	-.884
260	308	-.185	.119	.213	-.809
260	309	-.403	.159	.044	-1.154
260	310	-.313	.145	.094	-.893
260	311	-.357	.137	.832	-.003
260	312	-.011	.138	.587	-.482
260	313	-.541	.182	-.081	-1.336
260	314	-.269	.151	.181	-.999
260	315	-.204	.122	.169	-.899
260	316	-.373	.150	.052	-1.027
260	317	-.253	.132	.176	-.849
260	318	-.194	.115	.718	-.098
260	319	-.030	.109	.371	-.538
260	320	-.384	.145	-.022	-1.012
260	321	-.250	.138	.077	-.974
260	322	-.124	.058	.070	-.468
260	323	-.259	.078	-.055	-.670
260	324	-.092	.090	.283	-.660
260	325	.142	.083	.583	-.068
260	326	.057	.079	.415	-.180
260	327	-.098	.054	.117	-.344
270	101	-.020	.036	.127	-.174
270	102	-.028	.033	.068	-.187
270	103	-.016	.035	.087	-.220
270	104	-.033	.033	.077	-.162
270	105	-.027	.035	.083	-.151
270	106	-.032	.032	.077	-.227
270	107	-.000	.031	.108	-.153
270	108	-.017	.036	.140	-.164
270	109	.009	.033	.110	-.089
270	110	-.041	.034	.070	-.182
270	111	.002	.031	.099	-.100
270	112	-.027	.031	.062	-.139
270	113	-.021	.031	.105	-.139
270	114	-.026	.030	.072	-.140
270	115	-.002	.031	.113	-.114
270	116	-.019	.032	.120	-.139
270	201	-.207	.095	.660	-.818
270	202	-.224	.118	.092	-.831
270	203	-.288	.130	.060	-.837
270	204	-.416	.147	-.034	-1.128
270	205	.277	.154	.998	-.154
270	206	-.229	.085	-.027	-.679
270	207	-.187	.112	.089	-.779
270	208	-.321	.156	.216	-.912
270	209	-.319	.117	-.014	-.985
270	210	.160	.098	.542	-.155
270	211	.156	.085	.512	-.223
270	212	.179	.122	.759	-.431
270	213	-.121	.217	.535	-.985
270	214	-.257	.144	.190	-1.068
270	215	.134	.083	.503	-.109
270	301	-.215	.085	.049	-.597
270	302	-.438	.124	-.102	-.873
270	303	-.122	.102	.267	-.484
270	304	.319	.144	.914	-.100
270	305	-.123	.099	.246	-.471
270	306	-.410	.125	-.082	-.945
270	307	-.200	.082	.003	-.699
270	308	-.182	.123	.150	-.806
270	309	-.462	.168	-.018	-1.218
270	310	-.168	.137	.307	-.674
270	311	.356	.138	.794	-.040
270	312	-.136	.124	.316	-.641
270	313	-.462	.157	.055	-1.098
270	314	-.222	.130	.103	-.910
270	315	-.202	.106	.080	-.766
270	316	-.384	.139	-.090	-1.035
270	317	-.161	.115	.213	-.683
270	318	.192	.113	.657	-.072
270	319	-.099	.093	.257	-.514
270	320	-.361	.132	-.051	-.960
270	321	-.203	.117	.085	-.889
270	322	-.134	.058	.043	-.432
270	323	-.264	.079	-.077	-.654
270	324	-.061	.082	.287	-.399
270	325	.141	.085	.560	-.039
270	326	.018	.075	.346	-.286
270	327	-.122	.054	.043	-.412
280	101	-.009	.038	.165	-.172
280	102	-.006	.036	.129	-.151
280	103	-.007	.039	.131	-.175
280	104	-.019	.033	.110	-.150
280	105	-.015	.036	.103	-.162
280	106	.000	.033	.112	-.188
280	107	.020	.034	.136	-.124
280	108	.009	.043	.245	-.150
280	109	.019	.037	.160	-.117
280	110	-.022	.041	.107	-.287
280	111	-.015	.036	.133	-.198
280	112	-.012	.035	.121	-.122
280	113	.009	.039	.085	-.114
280	114	.003	.028	.092	-.101
280	115	.018	.031	.124	-.105
280	116	.008	.035	.252	-.099
280	201	-.134	.054	.040	-.464
280	202	-.087	.051	.052	-.438
280	203	-.098	.118	.182	-.768
280	204	-.340	.169	.229	-1.334
280	205	.377	.181	1.020	-.339
280	206	-.147	.054	-.007	-.562
280	207	-.080	.058	.145	-.598
280	208	-.077	.138	.252	-.694
280	209	.250	.147	.283	-.989
280	210	.200	.133	.743	-.139

APPENDIX A -- PRESSURE DATA: ADJACENT BUILDINGS WITHOUT LOGAN SQUARE IN PLACE

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
280	211	.133	.077	.322	-.163
280	212	.133	.107	.862	-.266
280	213	-.001	.124	.443	-.819
280	214	-.058	.100	.260	-.500
280	215	.147	.085	.580	-.100
280	301	-.203	.086	.042	-.679
280	302	-.379	.113	-.094	-.869
280	303	.020	.114	.501	-.354
280	304	.249	.159	.843	-.207
280	305	-.229	.103	.169	-.648
280	306	-.364	.130	-.017	-.962
280	307	-.155	.072	.052	-.622
280	308	-.166	.115	.148	-.812
280	309	-.440	.159	-.082	-1.079
280	310	.015	.136	.545	-.574
280	311	.219	.145	.808	-.089
280	312	-.243	.145	.162	-.880
280	313	-.385	.162	.093	-1.266
280	314	-.173	.103	.093	-.754
280	315	-.177	.098	.069	-.753
280	316	-.321	.123	-.066	-1.013
280	317	-.002	.130	.614	-.519
280	318	.115	.095	.563	-.157
280	319	-.179	.115	.176	-.860
280	320	-.287	.118	-.027	-.996
280	321	-.154	.082	.095	-.775
280	322	-.141	.057	.045	-.374
280	323	-.207	.056	-.049	-.495
280	324	.038	.093	.468	-.484
280	325	.092	.061	.356	-.148
280	326	-.048	.083	.253	-.404
280	327	-.132	.047	.003	-.354
290	101	.005	.038	.146	-.137
290	102	.004	.042	.139	-.237
290	103	.003	.041	.148	-.285
290	104	-.007	.034	.121	-.135
290	105	.005	.036	.136	-.127
290	106	.037	.033	.152	-.125
290	107	.045	.037	.175	-.132
290	108	.062	.057	.308	-.128
290	109	.025	.034	.136	-.082
290	110	-.021	.048	.113	-.286
290	111	.028	.036	.167	-.102
290	112	.003	.034	.118	-.122
290	113	.006	.031	.098	-.110
290	114	.041	.029	.142	-.054
290	115	.043	.033	.150	-.093
290	116	.049	.041	.349	-.074
290	201	-.116	.046	.081	-.282
290	202	-.026	.040	.127	-.210
290	203	.055	.079	.355	-.229
290	204	-.147	.161	.493	-.860
290	205	.433	.173	1.011	-.167
290	206	-.109	.045	.025	-.271
290	207	-.041	.043	.112	-.224
290	208	.049	.085	.303	-.391
290	209	-.114	.160	.433	-1.085
290	210	.252	.113	.653	.007
290	211	.160	.068	.513	-.008
290	212	.157	.085	.610	-.029
290	213	.121	.084	.451	-.245
290	214	.071	.094	.369	-.442
290	215	.209	.087	.622	-.000
290	301	-.264	.112	.080	-.870
290	302	-.368	.096	.071	-.770
290	303	.185	.119	.601	-.171
290	304	.198	.140	.683	-.275
290	305	-.380	.115	.017	-.743
290	306	-.342	.129	.095	-.958
290	307	-.150	.082	.051	-.626
290	308	-.206	.134	.150	-.776
290	309	-.461	.142	-.195	-1.146
290	310	.218	.134	.718	-.267
290	311	.195	.124	.650	-.110
290	312	-.442	.171	.026	-1.248
290	313	-.365	.172	.095	-1.126
290	314	-.182	.099	.121	-.705
290	315	-.202	.114	.122	-.912
290	316	-.362	.128	-.051	-.912
290	317	.145	.131	.693	-.338
290	318	.101	.099	.476	-.207
290	319	-.336	.176	.069	-1.095
290	320	-.322	.143	.043	-1.163
290	321	-.171	.101	.080	-.847
290	322	-.168	.072	.053	-.432
290	323	-.208	.069	.135	-.626
290	324	.129	.114	.622	-.244
290	325	.096	.067	.450	-.178
290	326	-.141	.104	.143	-.620
290	327	-.155	.058	.020	-.411
300	101	.025	.038	.172	-.183
300	102	.013	.052	.170	-.444
300	103	.021	.049	.183	-.283
300	104	.003	.040	.143	-.308
300	105	.021	.038	.152	-.134
300	106	.046	.035	.197	-.136
300	107	.056	.036	.190	-.145
300	108	.089	.062	.334	-.122
300	109	.042	.035	.159	-.114
300	110	.006	.055	.223	-.250
300	111	.045	.036	.154	-.063
300	112	.014	.035	.120	-.119
300	113	.009	.034	.115	-.114
300	114	.054	.032	.158	-.124
300	115	.052	.035	.169	-.128
300	116	.062	.049	.286	-.094
300	201	-.093	.046	.110	-.273
300	202	.019	.043	.218	-.143
300	203	.127	.075	.446	-.104
300	204	.077	.170	.673	-.484
300	205	.402	.164	.920	-.106
300	206	-.083	.040	.027	-.257
300	207	-.010	.041	.171	-.177
300	208	.117	.075	.522	-.149
300	209	.022	.164	.641	-.668
300	210	.281	.121	.774	-.036
300	211	.194	.077	.570	-.015
300	212	.185	.091	.693	-.046
300	213	.161	.089	.537	-.146
300	214	.142	.084	.478	-.475
300	215	.204	.089	.719	.009
300	301	-.294	.121	.034	-1.002
300	302	-.270	.093	.137	-.611
300	303	.206	.127	.677	-.114
300	304	.091	.114	.300	-.305
300	305	-.361	.099	-.056	-.748
300	306	-.227	.100	.055	-.740
300	307	-.112	.074	.083	-.531
300	308	-.247	.142	.154	-.933
300	309	-.380	.152	.042	-1.012
300	310	.276	.142	.813	-.064
300	311	.128	.119	.616	-.298
300	312	-.426	.154	-.068	-1.160
300	313	-.251	.138	.150	-.874
300	314	-.166	.087	.100	-.593
300	315	-.236	.120	.078	-.846
300	316	-.303	.139	.060	-.998
300	317	.160	.111	.615	-.267
300	318	.059	.103	.490	-.340
300	319	-.290	.114	.007	-1.026
300	320	-.244	.104	.058	-1.121
300	321	-.151	.082	.122	-.964
300	322	-.185	.069	.030	-.447
300	323	-.154	.075	.073	-.691
300	324	.135	.089	.538	-.239
300	325	.074	.076	.412	-.212
300	326	-.175	.094	.085	-.573
300	327	-.150	.058	.024	-.432
310	101	.044	.043	.197	-.198
310	102	.006	.066	.185	-.417

APPENDIX A -- PRESSURE DATA: ADJACENT BUILDINGS WITHOUT LOGAN SQUARE IN PLACE

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
310	103	.025	.056	.195	-.462
310	104	.002	.049	.165	-.273
310	105	.026	.043	.209	-.158
310	106	.045	.041	.178	-.217
310	107	.063	.039	.207	-.127
310	108	.107	.080	.457	-.133
310	109	.055	.038	.187	-.085
310	110	-.011	.070	.180	-.668
310	111	.045	.043	.207	-.113
310	112	.022	.040	.159	-.123
310	113	.017	.035	.139	-.135
310	114	.053	.034	.173	-.133
310	115	.059	.036	.168	-.122
310	116	.077	.057	.322	-.059
310	201	-.110	.048	.031	-.274
310	202	.045	.054	.321	-.131
310	203	.209	.098	.722	-.025
310	204	.262	.174	.849	-.334
310	205	.381	.156	.853	-.352
310	206	-.096	.042	.035	-.288
310	207	.005	.047	.212	-.144
310	208	.172	.079	.526	-.036
310	209	.137	.197	.831	-.596
310	210	.336	.123	.747	-.086
310	211	.243	.088	.761	.031
310	212	.248	.110	.839	.012
310	213	.235	.094	.607	-.002
310	214	.200	.087	.523	-.335
310	215	.282	.092	.795	-.003
310	301	-.317	.130	.055	-1.197
310	302	-.175	.093	.229	-.493
310	303	-.280	.140	.836	-.084
310	304	-.030	.101	.351	-.403
310	305	-.393	.123	-.090	-1.001
310	306	-.188	.088	.066	-.684
310	307	-.099	.066	.086	-.668
310	308	-.294	.142	.144	-.818
310	309	-.254	.131	.180	-.830
310	310	-.342	.166	.959	-.098
310	311	-.036	.122	.447	-.589
310	312	-.414	.158	-.000	-1.236
310	313	-.203	.122	.142	-.960
310	314	-.142	.065	.056	-.467
310	315	-.279	.124	.030	-.784
310	316	-.188	.116	.153	-.786
310	317	.248	.129	.806	-.136
310	318	-.052	.120	.471	-.648
310	319	-.367	.138	-.044	-1.031
310	320	-.210	.100	.105	-.750
310	321	-.146	.080	.055	-.698

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
310	322	-.218	.072	-.005	-.530
310	323	-.101	.076	.160	-.503
310	324	.210	.105	.620	-.076
310	325	.006	.097	.381	-.360
310	326	-.278	.118	.101	-.719
310	327	-.164	.056	-.010	-.454
320	101	.061	.046	.228	-.334
320	102	.034	.068	.244	-.556
320	103	.056	.059	.267	-.291
320	104	.023	.051	.220	-.292
320	105	.035	.043	.189	-.250
320	106	.040	.043	.205	-.256
320	107	.060	.039	.192	-.097
320	108	.137	.077	.443	-.116
320	109	.072	.038	.256	-.069
320	110	.033	.063	.207	-.239
320	111	.060	.042	.214	-.128
320	112	.037	.038	.182	-.101
320	113	.027	.036	.164	-.128
320	114	.052	.036	.178	-.207
320	115	.063	.036	.204	-.104
320	116	.098	.057	.408	-.053
320	201	-.064	.047	.092	-.270
320	202	.111	.065	.427	-.068
320	203	.279	.118	.746	-.154
320	204	.324	.164	.979	-.282
320	205	.156	.171	.709	-.426
320	206	-.077	.046	.059	-.271
320	207	.055	.060	.310	-.111
320	208	.207	.112	.646	-.081
320	209	.175	.154	.694	-.545
320	210	.159	.129	.551	-.512
320	211	.248	.097	.676	.019
320	212	.240	.114	.834	-.016
320	213	.212	.104	.679	-.044
320	214	.173	.069	.510	-.237
320	215	.187	.061	.423	-.106
320	301	-.378	.123	-.016	-.833
320	302	-.069	.109	.385	-.386
320	303	-.306	.128	.734	-.056
320	304	-.098	.091	.308	-.479
320	305	-.361	.117	-.056	-.878
320	306	-.160	.082	.065	-.564
320	307	-.100	.070	.103	-.483
320	308	-.350	.148	.084	-1.018
320	309	-.126	.142	.383	-.670
320	310	.418	.146	.915	-.032
320	311	-.111	.125	.342	-.617
320	312	-.365	.145	.077	-.931
320	313	-.164	.123	.207	-1.091

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
320	314	-.111	.065	.087	-.567
320	315	-.323	.119	.024	-.966
320	316	-.139	.120	.298	-.611
320	317	.328	.123	.909	-.071
320	318	-.113	.129	.315	-.733
320	319	-.405	.140	-.051	-1.032
320	320	-.146	.113	.173	-.874
320	321	-.129	.074	.097	-.738
320	322	-.218	.076	.025	-.631
320	323	-.077	.080	.239	-.359
320	324	.294	.093	.649	.065
320	325	-.039	.092	.363	-.425
320	326	-.335	.105	-.061	-.797
320	327	-.140	.066	.039	-.478
330	101	.068	.042	.239	-.145
330	102	.085	.048	.239	-.177
330	103	.089	.044	.268	-.100
330	104	.042	.049	.251	-.283
330	105	.023	.052	.359	-.283
330	106	.013	.061	.167	-.391
330	107	.021	.053	.158	-.288
330	108	.135	.077	.563	-.074
330	109	.079	.042	.206	-.225
330	110	.103	.046	.283	-.162
330	111	.095	.040	.246	-.090
330	112	.054	.042	.233	-.151
330	113	.022	.042	.181	-.140
330	114	.020	.063	.170	-.496
330	115	.024	.065	.187	-.546
330	116	.108	.064	.517	-.102
330	201	-.045	.058	.181	-.358
330	202	.146	.085	.551	-.160
330	203	.283	.136	.757	-.073
330	204	.281	.152	.931	-.158
330	205	.019	.165	.613	-.614
330	206	-.075	.065	.111	-.489
330	207	.084	.078	.441	-.149
330	208	.212	.106	.680	-.057
330	209	.187	.112	.683	-.188
330	210	.074	.126	.580	-.418
330	211	.237	.084	.684	-.043
330	212	.225	.099	.753	-.179
330	213	.242	.104	.663	-.022
330	214	.193	.069	.521	-.091
330	215	.155	.089	.606	-.597
330	301	-.300	.100	.002	-.727
330	302	.107	.121	.573	-.228
330	303	.271	.124	.674	-.098
330	304	-.188	.094	.141	-.563
330	305	-.274	.124	.055	-.884

APPENDIX A -- PRESSURE DATA: ADJACENT BUILDINGS WITHOUT LOGAN SQUARE IN PLACE

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
330	306	-.111	.080	.078	-.607
330	307	-.069	.074	.084	-.777
330	308	-.341	.155	.039	-1.082
330	309	.096	.143	.563	-.455
330	310	.318	.139	.816	-.092
330	311	-.227	.134	.130	-.784
330	312	-.249	.139	.109	-.855
330	313	-.121	.096	.136	-.831
330	314	-.094	.066	.111	-.451
330	315	-.306	.124	-.042	-.897
330	316	.045	.118	.543	-.356
330	317	.267	.165	.913	-.019
330	318	-.157	.153	.251	-1.026
330	319	-.297	.116	.042	-1.114
330	320	-.093	.105	.182	-.846
330	321	-.085	.075	.185	-.775
330	322	-.124	.062	.096	-.406
330	323	.051	.103	.450	-.450
330	324	.249	.073	.699	.061
330	325	-.069	.124	.294	-.747
330	326	-.273	.091	-.032	-.732
330	327	-.088	.062	.081	-.349
340	101	.008	.062	.238	-.245
340	102	.065	.046	.219	-.233
340	103	.066	.052	.233	-.309
340	104	.037	.056	.245	-.439
340	105	-.006	.073	.251	-.597
340	106	-.024	.069	.184	-.348
340	107	-.035	.059	.114	-.360
340	108	.181	.091	.554	-.084
340	109	-.010	.080	.196	-.610
340	110	.093	.043	.270	-.071
340	111	.116	.040	.279	-.115
340	112	.061	.040	.316	-.117
340	113	.006	.045	.183	-.162
340	114	-.038	.072	.162	-.442
340	115	.020	.065	.162	-.445
340	116	-.129	.072	.526	-.059
340	201	-.040	.072	.236	-.522
340	202	.203	.087	.555	-.056
340	203	.343	.128	.743	-.017
340	204	.249	.131	.754	-.135
340	205	-.223	.154	.211	-.845
340	206	-.074	.070	.142	-.375
340	207	.151	.079	.539	-.081
340	208	.348	.123	.944	.052

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
340	209	.217	.102	.638	-.120
340	210	-.084	.127	.430	-.795
340	211	.312	.084	.648	.099
340	212	.323	.108	.802	.075
340	213	.334	.111	.833	.088
340	214	.188	.067	.503	-.022
340	215	-.003	.133	.371	-.856
340	301	-.259	.090	-.011	-.614
340	302	.208	.130	.701	-.197
340	303	.205	.107	.604	-.098
340	304	-.239	.099	.116	-.620
340	305	-.203	.110	.108	-.821
340	306	-.116	.088	.153	-.685
340	307	-.089	.083	.130	-.525
340	308	-.360	.149	.087	-.895
340	309	.293	.145	.799	-.193
340	310	.243	.114	.736	-.120
340	311	-.341	.156	.039	-.994
340	312	-.197	.144	.216	-.921
340	313	-.112	.091	.146	-.930
340	314	-.115	.092	.126	-.545
340	315	-.299	.123	.118	-.832
340	316	.185	.105	.583	-.217
340	317	.219	.095	.728	-.191
340	318	-.311	.155	.083	-1.052
340	319	-.229	.121	.103	-.829
340	320	-.077	.102	.170	-.681
340	321	-.074	.080	.154	-.490
340	322	-.065	.065	.211	-.317
340	323	.178	.082	.584	-.105
340	324	.228	.070	.595	.051
340	325	-.199	.116	.050	-.677
340	326	-.226	.098	.073	-.745
340	327	-.048	.070	.160	-.476
350	101	.005	.047	.177	-.236
350	102	.065	.036	.191	-.126
350	103	.061	.050	.267	-.258
350	104	.053	.042	.203	-.212
350	105	.017	.072	.273	-.536
350	106	.023	.060	.220	-.319
350	107	-.032	.068	.181	-.371
350	108	.155	.088	.598	-.085
350	109	.004	.055	.149	-.357
350	110	.080	.034	.223	-.054
350	111	.118	.035	.272	-.030
350	112	.080	.037	.226	-.049

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
350	113	.052	.040	.240	-.090
350	114	.022	.058	.287	-.311
350	115	.000	.070	.299	-.641
350	116	.110	.065	.624	-.044
350	201	-.067	.102	.192	-.657
350	202	.184	.100	.663	-.044
350	203	.267	.138	.861	-.042
350	204	.166	.117	.705	-.179
350	205	-.086	.125	.247	-.763
350	206	-.077	.103	.203	-.648
350	207	.167	.095	.660	-.084
350	208	.275	.112	.922	.012
350	209	.143	.082	.542	-.103
350	210	-.019	.102	.275	-.769
350	211	.240	.070	.576	.076
350	212	.228	.083	.606	.048
350	213	.243	.092	.799	.016
350	214	.140	.057	.393	-.057
350	215	-.003	.121	.301	-.930
350	301	-.138	.106	.325	-.562
350	302	.322	.142	.759	-.073
350	303	.115	.084	.388	-.185
350	304	-.250	.095	-.030	-.655
350	305	-.113	.078	.104	-.478
350	306	-.065	.068	.104	-.496
350	307	-.087	.079	.124	-.603
350	308	-.194	.160	.265	-1.237
350	309	.295	.155	.874	-.090
350	310	.121	.123	.610	-.451
350	311	-.294	.131	.047	-.917
350	312	-.103	.121	.243	-.619
350	313	-.065	.071	.170	-.488
350	314	-.138	.126	.187	-.811
350	315	-.139	.130	.235	-.836
350	316	.115	.086	.677	-.194
350	317	.179	.110	.815	-.230
350	318	-.227	.127	.109	-.990
350	319	-.096	.099	.163	-.776
350	320	-.008	.080	.304	-.611
350	321	-.039	.076	.183	-.501
350	322	.007	.072	.338	-.244
350	323	.120	.061	.374	-.104
350	324	.212	.078	.618	-.027
350	325	-.094	.082	.139	-.467
350	326	-.091	.086	.179	-.632
350	327	.022	.058	.213	-.413

APPENDIX A -- PRESSURE DATA: ADJACENT BUILDINGS WITH LOGAN SQUARE IN PLACE

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
0	101	-.284	.064	-.101	-.556
0	102	-.324	.080	-.110	-.790
0	103	-.105	.167	.426	-.921
0	104	-.014	.171	.675	-.430
0	105	.066	.092	.425	-.370
0	106	.063	.055	.275	-.146
0	107	.106	.158	.627	-.663
0	108	.210	.105	.684	-.281
0	109	-.274	.056	-.084	-.490
0	110	-.230	.047	-.072	-.405
0	111	-.027	.083	.344	-.297
0	112	.324	.139	.958	-.240
0	113	.178	.077	.524	-.186
0	114	.107	.069	.442	-.091
0	115	.218	.166	.871	-.375
0	116	.181	.083	.606	-.330
0	201	-.295	.055	-.101	-.504
0	202	-.288	.047	-.142	-.486
0	203	-.322	.051	-.169	-.501
0	204	-.323	.056	-.115	-.574
0	205	-.323	.060	-.012	-.542
0	206	-.231	.041	-.079	-.383
0	207	-.242	.046	-.075	-.399
0	208	-.297	.052	-.117	-.511
0	209	-.295	.084	-.031	-.712
0	210	-.268	.057	-.051	-.555
0	211	-.110	.052	.109	-.276
0	212	-.120	.063	.127	-.499
0	213	-.118	.061	.119	-.379
0	214	.066	.125	.543	-.443
0	215	-.252	.166	.099	-1.057
0	301	-.132	.109	.274	-.460
0	302	.295	.146	.786	-.143
0	303	.085	.093	.456	-.273
0	304	-.355	.111	-.031	-.771
0	305	-.296	.112	.005	-.961
0	306	-.194	.075	.048	-.695
0	307	-.220	.070	-.017	-.575
0	308	-.322	.161	.218	-.929
0	309	.312	.134	.843	-.090
0	310	.164	.117	.621	-.330
0	311	-.452	.144	.004	-1.005
0	312	-.294	.155	.162	-1.033
0	313	-.170	.081	.039	-.658
0	314	-.210	.131	.178	-1.066
0	315	.352	.129	.124	-.857
0	316	.150	.113	.685	-.217
0	317	.191	.103	.611	-.203
0	318	-.368	.151	.116	-1.257
0	319	-.309	.133	.057	-1.082

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
0	320	-.164	.102	.170	-.759
0	321	-.154	.102	.240	-1.078
0	322	-.048	.088	.319	-.374
0	323	.096	.097	.435	-.235
0	324	.234	.097	.624	-.043
0	325	-.147	.094	.203	-.489
0	326	-.269	.102	.029	-.804
0	327	-.107	.077	.150	-.527
10	101	-.325	.074	-.054	-.770
10	102	-.319	.062	-.102	-.574
10	103	-.129	.121	.235	-.733
10	104	.181	.165	.693	-.374
10	105	.043	.085	.382	-.317
10	106	.009	.055	.182	-.273
10	107	.159	.177	.821	-1.016
10	108	.134	.086	.542	-.126
10	109	-.307	.055	-.136	-.528
10	110	-.266	.045	-.126	-.420
10	111	-.059	.065	.242	-.279
10	112	.343	.117	.936	.039
10	113	.121	.060	.368	-.085
10	114	.125	.061	.395	-.138
10	115	.179	.126	.792	-.396
10	116	.192	.071	.501	-.012
10	201	-.315	.060	-.111	-.580
10	202	-.298	.047	-.147	-.455
10	203	-.322	.047	-.168	-.495
10	204	-.324	.052	-.160	-.503
10	205	-.321	.056	-.115	-.575
10	206	-.258	.043	-.119	-.415
10	207	-.264	.046	-.096	-.413
10	208	-.311	.047	-.177	-.474
10	209	-.339	.092	-.125	-.906
10	210	-.279	.053	-.076	-.477
10	211	-.216	.043	-.072	-.392
10	212	-.222	.043	-.078	-.391
10	213	-.211	.045	-.036	-.362
10	214	-.148	.048	-.026	-.332
10	215	-.272	.068	-.034	-.567
10	301	.069	.132	.809	-.503
10	302	.288	.165	.902	-.324
10	303	-.057	.090	.253	-.690
10	304	-.341	.153	-.015	-1.179
10	305	-.164	.086	.083	-.656
10	306	-.087	.060	.084	-.488
10	307	-.194	.098	.078	-.962
10	308	-.027	.123	.437	-.538
10	309	.159	.147	.841	-.318
10	310	-.073	.150	.508	-.732
10	311	-.290	.126	.023	-.759

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
10	312	-.117	.095	.238	-.764
10	313	-.062	.055	.177	-.350
10	314	-.133	.095	.133	-.620
10	315	-.114	.078	.263	-.450
10	316	.002	.095	.475	-.483
10	317	.106	.094	.455	-.384
10	318	-.127	.092	.150	-.601
10	319	-.137	.082	.156	-.432
10	320	-.041	.058	.202	-.344
10	321	-.058	.062	.277	-.471
10	322	-.040	.087	.347	-.348
10	323	-.005	.076	.327	-.254
10	324	.243	.101	.886	-.007
10	325	-.006	.067	.508	-.267
10	326	-.150	.085	.133	-.561
10	327	-.019	.056	.225	-.280
20	101	-.318	.066	-.130	-.639
20	102	-.274	.057	-.106	-.510
20	103	-.129	.127	.344	-.913
20	104	.198	.161	.755	-.344
20	105	.041	.081	.379	-.317
20	106	.038	.054	.223	-.218
20	107	.171	.152	.752	-.670
20	108	.130	.073	.469	-.227
20	109	-.294	.060	-.113	-.515
20	110	-.219	.046	-.081	-.394
20	111	-.053	.064	.325	-.265
20	112	.327	.120	.791	-.012
20	113	.113	.059	.351	-.104
20	114	.141	.059	.370	-.165
20	115	.194	.121	.678	-.780
20	116	.187	.068	.459	-.067
20	201	-.306	.058	-.085	-.576
20	202	-.256	.042	-.113	-.412
20	203	-.308	.044	-.187	-.508
20	204	-.319	.050	-.184	-.618
20	205	-.324	.061	-.018	-.548
20	206	-.227	.047	-.030	-.405
20	207	-.258	.051	-.084	-.434
20	208	-.316	.055	-.138	-.535
20	209	-.346	.093	-.144	-.914
20	210	-.242	.052	-.069	-.476
20	211	-.212	.044	-.039	-.396
20	212	-.227	.044	-.036	-.407
20	213	-.221	.044	-.074	-.391
20	214	-.128	.047	-.031	-.307
20	215	-.283	.069	-.089	-.546
20	301	.066	.126	.740	-.419
20	302	.293	.168	.832	-.296
20	303	-.019	.088	.285	-.563

APPENDIX A -- PRESSURE DATA: ADJACENT BUILDINGS WITH LOGAN SQUARE IN PLACE

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
20	304	-.326	.142	.042	-1.104
20	305	-.165	.085	.107	-.603
20	306	-.087	.058	.087	-.408
20	307	-.165	.095	.059	-.823
20	308	-.038	.122	.444	-.499
20	309	.152	.144	.769	-.329
20	310	-.056	.139	.461	-.650
20	311	-.250	.119	.034	-.862
20	312	-.109	.091	.199	-.570
20	313	-.062	.054	.134	-.463
20	314	-.128	.098	.150	-.660
20	315	-.083	.077	.251	-.414
20	316	.016	.087	.399	-.373
20	317	.112	.090	.493	-.298
20	318	-.129	.090	.199	-.531
20	319	-.106	.079	.182	-.478
20	320	-.032	.057	.159	-.332
20	321	-.058	.060	.146	-.332
20	322	-.027	.084	.335	-.349
20	323	.031	.073	.383	-.220
20	324	.247	.093	.735	-.008
20	325	-.003	.067	.335	-.259
20	326	-.141	.091	.127	-.585
20	327	.011	.056	.281	-.195
30	101	-.259	.062	-.082	-.707
30	102	-.251	.053	-.071	-.447
30	103	-.156	.109	.156	-.800
30	104	.220	.150	.768	-.283
30	105	.029	.079	.336	-.261
30	106	-.014	.049	.144	-.263
30	107	.244	.124	.786	-.371
30	108	.126	.059	.423	-.102
30	109	-.248	.054	-.082	-.509
30	110	-.210	.045	-.060	-.395
30	111	-.055	.061	.214	-.255
30	112	.336	.109	.731	.003
30	113	.100	.059	.353	-.103
30	114	.115	.059	.340	-.109
30	115	.200	.101	.700	-.346
30	116	.204	.073	.502	-.036
30	201	-.271	.073	-.006	-.549
30	202	-.241	.049	-.083	-.424
30	203	-.280	.048	-.134	-.448
30	204	-.282	.049	-.131	-.456
30	205	-.280	.049	-.115	-.457
30	206	-.173	.068	.212	-.364
30	207	-.212	.048	-.044	-.602
30	208	-.251	.045	-.095	-.412
30	209	-.273	.061	-.098	-.530
30	210	-.230	.053	-.069	-.499
30	211	-.177	.046	.023	-.354
30	212	-.184	.047	.025	-.366
30	213	-.174	.050	.032	-.322
30	214	-.121	.045	.068	-.279
30	215	-.261	.082	-.001	-.701
30	301	.159	.223	.973	-1.050
30	302	.195	.153	.952	-.372
30	303	-.081	.147	.307	-1.116
30	304	-.444	.278	.151	-1.808
30	305	-.225	.132	.108	-.994
30	306	-.117	.081	.173	-.756
30	307	-.283	.188	.061	-1.754
30	308	-.066	.108	.303	-.433
30	309	.062	.110	.643	-.368
30	310	-.074	.107	.345	-.551
30	311	-.173	.099	.129	-.591
30	312	-.073	.084	.209	-.585
30	313	-.040	.066	.191	-.464
30	314	-.107	.081	.216	-.513
30	315	-.075	.064	.259	-.327
30	316	-.002	.077	.318	-.457
30	317	.081	.076	.387	-.481
30	318	-.046	.083	.268	-.402
30	319	-.066	.089	.264	-.393
30	320	-.019	.067	.238	-.325
30	321	-.018	.062	.243	-.476
30	322	-.002	.091	.421	-.303
30	323	.039	.084	.387	-.242
30	324	.179	.101	.663	-.337
30	325	.099	.092	.751	-.153
30	326	-.083	.085	.199	-.471
30	327	.001	.082	.229	-.287
40	101	-.152	.065	.042	-.586
40	102	-.090	.066	.206	-.362
40	103	-.143	.178	.327	-1.340
40	104	.049	.170	.814	-.404
40	105	-.001	.080	.349	-.307
40	106	.013	.051	.197	-.304
40	107	.218	.143	.857	-.443
40	108	.137	.086	.458	-.188
40	109	-.126	.052	.037	-.457
40	110	-.049	.042	.094	-.257
40	111	.011	.061	.318	-.218
40	112	.217	.116	.711	-.284
40	113	.077	.071	.425	-.311
40	114	.077	.067	.365	-.141
40	115	.191	.146	.803	-.258
40	116	.149	.091	.487	-.106
40	201	-.021	.155	.801	-.489
40	202	-.162	.114	.065	-1.079
40	203	-.207	.095	.147	-.837
40	204	-.193	.079	.113	-.738
40	205	-.163	.059	.037	-.660
40	206	.009	.076	.429	-.234
40	207	-.187	.094	.102	-.951
40	208	-.197	.069	.081	-.646
40	209	-.195	.074	-.018	-.602
40	210	-.092	.042	.043	-.340
40	211	-.140	.062	.091	-.340
40	212	-.174	.063	.067	-.423
40	213	-.171	.069	.146	-.510
40	214	-.019	.084	.349	-.445
40	215	-.125	.073	.102	-.659
40	301	-.023	.150	.723	-.622
40	302	-.066	.146	.656	-1.129
40	303	-.061	.138	.302	-1.444
40	304	-.116	.112	.133	-1.143
40	305	-.089	.069	.156	-.618
40	306	-.096	.084	.097	-.591
40	307	-.120	.160	.130	-1.451
40	308	-.049	.061	.266	-.326
40	309	-.070	.061	.225	-.411
40	310	-.063	.064	.176	-.524
40	311	-.014	.056	.233	-.268
40	312	-.065	.059	.114	-.342
40	313	-.073	.057	.101	-.329
40	314	-.090	.064	.129	-.526
40	315	-.000	.048	.222	-.246
40	316	-.045	.042	.107	-.244
40	317	-.043	.042	.163	-.241
40	318	-.030	.048	.254	-.265
40	319	-.003	.052	.163	-.306
40	320	-.038	.050	.152	-.361
40	321	-.063	.049	.134	-.320
40	322	-.032	.053	.178	-.189
40	323	.046	.038	.193	-.161
40	324	-.026	.046	.161	-.239
40	325	.042	.074	.518	-.178
40	326	-.027	.048	.199	-.214
40	327	.023	.046	.163	-.190
50	101	-.091	.045	.071	-.392
50	102	-.085	.051	.227	-.419
50	103	-.168	.126	.185	-1.107
50	104	.127	.165	.973	-.295
50	105	.017	.076	.367	-.242
50	106	-.052	.057	.188	-.361
50	107	.048	.139	.708	-.728
50	108	.036	.101	.531	-.326
50	109	-.076	.035	.044	-.237
50	110	-.065	.033	.062	-.291

APPENDIX A -- PRESSURE DATA: ADJACENT BUILDINGS WITH LOGAN SQUARE IN PLACE

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
50	111	-.037	.053	.212	-.205
50	112	.138	.123	.704	-.125
50	113	.031	.067	.444	-.310
50	114	-.010	.059	.203	-.305
50	115	-.001	.096	.556	-.379
50	116	.037	.080	.444	-.185
50	201	.091	.194	.827	-.483
50	202	-.285	.176	.176	-1.224
50	203	-.166	.106	.168	-.919
50	204	-.120	.073	.218	-.637
50	205	-.118	.054	.044	-.553
50	206	-.040	.067	.457	-.320
50	207	-.177	.111	.151	-.817
50	208	-.111	.060	.225	-.438
50	209	-.102	.050	.044	-.702
50	210	-.099	.042	.016	-.448
50	211	-.080	.045	.103	-.295
50	212	-.085	.046	.109	-.309
50	213	-.074	.043	.100	-.233
50	214	-.064	.036	.077	-.230
50	215	-.084	.037	.019	-.432
50	301	.134	.184	.910	-.584
50	302	-.069	.170	.627	-1.268
50	303	-.319	.203	.118	-1.418
50	304	-.170	.118	.089	-1.032
50	305	-.088	.065	.089	-.472
50	306	-.129	.092	.097	-.849
50	307	-.261	.177	.031	-1.304
50	308	.008	.086	.438	-.350
50	309	-.158	.101	.177	-.752
50	310	-.172	.099	.225	-1.078
50	311	-.098	.066	.135	-.453
50	312	-.073	.056	.113	-.362
50	313	-.084	.054	.140	-.499
50	314	-.163	.087	.056	-.717
50	315	-.059	.057	.256	-.296
50	316	-.099	.060	.079	-.417
50	317	-.065	.052	.104	-.292
50	318	-.069	.052	.131	-.305
50	319	-.058	.043	.094	-.254
50	320	-.064	.041	.089	-.239
50	321	-.071	.047	.101	-.280
50	322	-.049	.047	.148	-.223
50	323	-.029	.041	.287	-.146
50	324	-.034	.049	.207	-.244
50	325	.007	.057	.274	-.217
50	326	-.037	.046	.100	-.245
50	327	-.027	.038	.077	-.170
60	101	-.106	.043	.023	-.368
60	102	-.101	.051	.099	-.320
60	103	-.190	.110	.079	-.675
60	104	.214	.163	.882	-.291
60	105	.014	.073	.399	-.296
60	106	-.101	.065	.070	-.434
60	107	-.048	.061	.360	-.407
60	108	-.047	.051	.277	-.293
60	109	-.094	.036	.013	-.245
60	110	-.086	.034	.021	-.219
60	111	-.054	.055	.241	-.211
60	112	.187	.122	.784	-.093
60	113	.023	.061	.346	-.161
60	114	-.072	.051	.094	-.371
60	115	-.062	.058	.239	-.354
60	116	-.036	.058	.275	-.220
60	201	.035	.135	.696	-.330
60	202	-.266	.122	.138	-.929
60	203	-.202	.100	.062	-.852
60	204	-.143	.075	.099	-.808
60	205	-.130	.053	.028	-.383
60	206	.017	.085	.424	-.231
60	207	-.217	.110	.041	-.852
60	208	-.156	.082	.082	-.645
60	209	-.122	.053	.042	-.472
60	210	-.108	.038	.024	-.301
60	211	-.117	.055	.074	-.370
60	212	-.131	.057	.055	-.396
60	213	-.112	.058	.122	-.429
60	214	-.065	.040	.089	-.381
60	215	-.094	.038	.029	-.310
60	301	.019	.119	.701	-.279
60	302	-.119	.096	.291	-.726
60	303	-.134	.089	.097	-.927
60	304	-.070	.050	.079	-.339
60	305	-.065	.043	.085	-.391
60	306	-.106	.063	.083	-.569
60	307	-.158	.074	.075	-.672
60	308	-.060	.110	.350	-.491
60	309	-.193	.093	.082	-.571
60	310	-.064	.059	.165	-.405
60	311	-.042	.041	.101	-.289
60	312	-.071	.055	.108	-.366
60	313	-.209	.121	.063	-.818
60	314	-.215	.115	.259	-.629
60	315	-.198	.100	.128	-.619
60	316	-.098	.084	.157	-.523
60	317	-.034	.049	.150	-.254
60	318	-.031	.044	.136	-.301
60	319	-.026	.053	.177	-.260
60	320	-.241	.121	.091	-.656
60	321	-.047	.101	.467	-.498
60	322	-.089	.055	.143	-.347
60	323	.006	.042	.130	-.192
60	324	-.023	.042	.152	-.208
60	325	.025	.049	.297	-.210
60	326	.010	.053	.221	-.267
60	327	.001	.056	.160	-.216
70	101	-.098	.044	.069	-.372
70	102	-.079	.052	.204	-.257
70	103	-.157	.074	.058	-.749
70	104	.055	.101	.696	-.236
70	105	-.037	.047	.202	-.165
70	106	-.049	.029	.046	-.199
70	107	-.015	.050	.197	-.213
70	108	-.024	.037	.163	-.191
70	109	-.084	.034	.035	-.229
70	110	-.066	.032	.044	-.183
70	111	-.083	.042	.070	-.239
70	112	.036	.066	.396	-.132
70	113	-.032	.040	.149	-.179
70	114	-.030	.032	.083	-.183
70	115	-.027	.047	.143	-.246
70	116	.003	.041	.149	-.153
70	201	.181	.221	.997	-.484
70	202	-.370	.175	.122	-1.268
70	203	-.179	.098	.100	-.963
70	204	-.138	.062	.123	-.691
70	205	-.147	.056	.019	-.393
70	206	.145	.143	.831	-.289
70	207	-.385	.194	.366	-1.533
70	208	-.121	.087	.144	-.717
70	209	-.111	.042	.053	-.383
70	210	-.106	.036	-.002	-.273
70	211	-.096	.068	.270	-.396
70	212	-.115	.073	.320	-.439
70	213	-.049	.064	.211	-.314
70	214	-.071	.040	.085	-.206
70	215	-.130	.047	.025	-.401
70	301	-.159	.125	.539	-.548
70	302	-.349	.110	-.009	-1.164
70	303	-.163	.058	.005	-.456
70	304	-.133	.051	.053	-.413
70	305	-.137	.058	.068	-.477
70	306	-.347	.118	.055	-.902
70	307	-.175	.096	.202	-.571
70	308	-.280	.115	.279	-.693
70	309	-.432	.120	-.089	-.895
70	310	-.128	.062	.067	-.422
70	311	-.106	.039	.035	-.257
70	312	-.128	.068	.086	-.547
70	313	-.342	.147	.032	-.929

APPENDIX A -- PRESSURE DATA: ADJACENT BUILDINGS WITH LOGAN SQUARE IN PLACE

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
70	314	-.256	.097	.124	-.654
70	315	-.255	.083	.021	-.612
70	316	-.317	.104	.044	-.690
70	317	-.105	.052	.089	-.310
70	318	-.094	.043	.058	-.266
70	319	-.091	.057	.078	-.697
70	320	-.231	.125	.060	-.862
70	321	-.217	.081	.101	-.538
70	322	-.136	.051	.122	-.317
70	323	-.136	.053	.019	-.447
70	324	-.120	.043	.018	-.340
70	325	-.080	.053	.180	-.317
70	326	-.070	.057	.083	-.342
70	327	-.113	.050	.046	-.383
80	101	-.084	.045	.087	-.315
80	102	-.116	.058	.195	-.334
80	103	-.134	.061	.023	-.492
80	104	-.010	.083	.379	-.220
80	105	-.065	.048	.154	-.257
80	106	-.126	.038	-.007	-.271
80	107	-.012	.067	.297	-.275
80	108	-.001	.047	.187	-.195
80	109	-.072	.033	.043	-.200
80	110	-.114	.033	.043	-.235
80	111	-.074	.037	.090	-.191
80	112	-.007	.062	.271	-.160
80	113	-.056	.041	.113	-.250
80	114	-.110	.038	.023	-.220
80	115	-.002	.061	.228	-.265
80	116	.032	.048	.224	-.138
80	201	.012	.119	.617	-.310
80	202	-.249	.105	.048	-1.002
80	203	-.126	.069	.127	-.820
80	204	-.096	.054	.074	-.537
80	205	.097	.043	.046	-.308
80	206	-.050	.085	.403	-.326
80	207	-.196	.122	.299	-.961
80	208	-.083	.047	.082	-.327
80	209	-.079	.035	.034	-.212
80	210	-.128	.032	-.028	-.243
80	211	-.078	.039	.100	-.233
80	212	-.083	.041	.104	-.237
80	213	-.060	.041	.101	-.221
80	214	-.114	.032	.015	-.238
80	215	-.083	.034	.021	-.236
80	301	-.056	.126	.376	-.467
80	302	-.369	.093	-.058	-.792
80	303	-.224	.070	-.010	-.764
80	304	-.125	.044	.011	-.329
80	305	-.131	.053	.024	-.424
80	306	-.314	.109	.017	-.985
80	307	-.272	.090	.129	-.638
80	308	-.104	.122	.383	-.581
80	309	-.449	.112	-.125	-.893
80	310	-.133	.065	.058	-.433
80	311	-.167	.039	-.043	-.309
80	312	-.125	.054	.053	-.460
80	313	-.278	.108	-.005	-.759
80	314	-.269	.111	.075	-.768
80	315	-.303	.094	.069	-.759
80	316	-.345	.095	-.002	-.813
80	317	-.124	.053	.042	-.357
80	318	-.116	.042	.031	-.260
80	319	-.190	.060	.018	-.531
80	320	-.333	.117	-.002	-.919
80	321	-.186	.089	.219	-.527
80	322	-.153	.060	.082	-.366
80	323	-.218	.060	-.007	-.463
80	324	-.133	.048	.043	-.285
80	325	-.096	.056	.114	-.367
80	326	-.076	.066	.104	-.306
80	327	-.194	.060	-.020	-.417
90	101	-.066	.048	.124	-.277
90	102	-.030	.077	.479	-.298
90	103	-.106	.042	.033	-.362
90	104	-.067	.047	.187	-.319
90	105	-.073	.041	.182	-.248
90	106	-.099	.036	.015	-.281
90	107	-.040	.053	.236	-.377
90	108	-.036	.043	.160	-.206
90	109	-.044	.045	.141	-.370
90	110	-.054	.066	.320	-.281
90	111	-.093	.036	.025	-.237
90	112	-.066	.034	.061	-.206
90	113	-.074	.036	.048	-.217
90	114	-.097	.036	.025	-.237
90	115	-.019	.061	.356	-.247
90	116	.025	.052	.380	-.122
90	201	-.045	.082	.420	-.279
90	202	-.148	.081	.108	-.654
90	203	-.109	.064	.092	-.551
90	204	-.086	.051	.061	-.433
90	205	-.087	.045	.053	-.315
90	206	-.084	.054	.249	-.322
90	207	-.102	.068	.217	-.428
90	208	-.070	.042	.113	-.253
90	209	-.066	.034	.043	-.207
90	210	-.087	.032	.015	-.205
90	211	-.073	.034	.045	-.210
90	212	-.070	.035	.044	-.220
90	213	-.060	.037	.108	-.219
90	214	-.080	.030	.047	-.190
90	215	-.072	.031	.038	-.215
90	301	-.300	.101	.126	-.695
90	302	-.466	.128	-.055	-1.069
90	303	-.224	.062	-.019	-.564
90	304	-.189	.064	.013	-.629
90	305	-.231	.085	.049	-.764
90	306	-.470	.133	-.019	-.964
90	307	-.176	.093	.545	-.486
90	308	-.382	.136	.119	-.891
90	309	-.459	.160	.143	-1.113
90	310	-.178	.083	.088	-.656
90	311	-.183	.047	-.039	-.618
90	312	-.200	.099	.126	-.832
90	313	-.514	.168	-.052	-1.484
90	314	-.207	.112	.239	-.604
90	315	-.390	.107	-.029	-.889
90	316	-.377	.145	.114	-.994
90	317	-.156	.068	.056	-.544
90	318	-.143	.053	.072	-.406
90	319	-.199	.078	.061	-.679
90	320	-.455	.136	-.078	-1.149
90	321	-.177	.095	.140	-.552
90	322	-.158	.061	.055	-.367
90	323	-.199	.063	-.014	-.498
90	324	-.154	.057	.028	-.450
90	325	-.112	.065	.121	-.408
90	326	-.123	.071	.136	-.463
90	327	-.197	.058	.000	-.459
100	101	-.090	.053	.173	-.378
100	102	.001	.092	.396	-.255
100	103	-.142	.041	-.021	-.319
100	104	-.110	.046	.088	-.314
100	105	-.105	.043	.149	-.241
100	106	-.115	.034	-.012	-.295
100	107	-.117	.046	.117	-.433
100	108	-.116	.044	.046	-.314
100	109	-.046	.049	.229	-.255
100	110	-.017	.080	.379	-.257
100	111	-.136	.037	-.009	-.326
100	112	-.099	.035	.044	-.253
100	113	-.110	.032	-.009	-.224
100	114	-.113	.035	-.016	-.298
100	115	-.100	.047	.156	-.331
100	116	-.094	.054	.151	-.466
100	201	-.019	.094	.423	-.290
100	202	-.178	.080	.103	-.736
100	203	-.141	.069	.071	-.639
100	204	-.111	.054	.107	-.622

APPENDIX A -- PRESSURE DATA: ADJACENT BUILDINGS WITH LOGAN SQUARE IN PLACE

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
100	205	-.109	.042	.012	-.380
100	206	-.064	.048	.193	-.228
100	207	-.142	.072	.144	-.828
100	208	-.094	.043	.085	-.258
100	209	-.088	.037	.073	-.219
100	210	-.091	.035	.038	-.298
100	211	-.088	.038	.066	-.215
100	212	-.090	.038	.075	-.233
100	213	-.069	.040	.116	-.196
100	214	-.062	.034	.062	-.236
100	215	-.070	.034	.052	-.190
100	301	-.320	.108	.115	-.698
100	302	-.467	.152	-.064	-1.259
100	303	-.224	.070	-.031	-.676
100	304	-.194	.062	.006	-.670
100	305	-.241	.085	.026	-.669
100	306	-.483	.135	-.026	-1.091
100	307	-.164	.096	.527	-.572
100	308	-.323	.166	.301	-1.053
100	309	-.528	.145	-.030	-1.117
100	310	-.189	.080	.090	-.722
100	311	-.171	.043	-.002	-.352
100	312	-.204	.087	.078	-.590
100	313	-.529	.149	-.138	-1.139
100	314	-.210	.124	.258	-.791
100	315	-.340	.125	.055	-1.036
100	316	-.424	.145	-.014	-1.298
100	317	-.168	.073	.066	-.622
100	318	-.164	.059	.090	-.368
100	319	-.188	.072	.160	-.619
100	320	-.498	.131	-.113	-1.075
100	321	-.221	.109	.149	-.644
100	322	-.144	.070	.095	-.491
100	323	-.202	.077	.022	-.574
100	324	-.182	.067	.032	-.464
100	325	-.134	.087	.333	-.590
100	326	-.156	.082	.059	-.519
100	327	-.199	.068	.024	-.414
110	101	-.062	.050	.138	-.278
110	102	-.003	.081	.442	-.202
110	103	-.075	.034	.036	-.217
110	104	-.079	.039	.086	-.250
110	105	-.074	.040	.118	-.230
110	106	-.092	.033	.011	-.249
110	107	-.053	.037	.114	-.219
110	108	-.081	.038	.068	-.316
110	109	-.009	.046	.233	-.186
110	110	-.007	.064	.338	-.244
110	111	-.070	.034	.077	-.202
110	112	-.074	.034	.068	-.207
110	113	-.077	.032	.045	-.181
110	114	-.100	.033	.009	-.293
110	115	-.047	.036	.075	-.205
110	116	-.072	.038	.061	-.303
110	201	-.046	.061	.204	-.288
110	202	-.163	.053	.001	-.489
110	203	-.111	.062	.055	-.424
110	204	-.119	.060	.051	-.455
110	205	-.113	.050	.038	-.375
110	206	-.077	.043	.138	-.264
110	207	-.093	.061	.058	-.723
110	208	-.106	.054	.066	-.313
110	209	-.096	.053	.067	-.410
110	210	-.126	.038	-.013	-.331
110	211	-.056	.047	.060	-.280
110	212	-.094	.051	.068	-.331
110	213	-.081	.060	.109	-.461
110	214	-.099	.055	.041	-.506
110	215	-.035	.045	.109	-.268
110	301	-.367	.115	.038	-.841
110	302	-.379	.136	-.008	-1.040
110	303	-.201	.064	.019	-.563
110	304	-.121	.071	.065	-.638
110	305	-.277	.114	.035	-.914
110	306	-.404	.152	.070	-1.010
110	307	-.108	.131	.507	-.509
110	308	-.374	.223	.286	-1.306
110	309	-.439	.158	.046	-1.190
110	310	-.143	.081	.118	-.570
110	311	-.191	.054	.056	-.524
110	312	-.146	.091	.172	-.562
110	313	-.524	.184	.020	-1.483
110	314	-.116	.113	.342	-.541
110	315	-.388	.160	.371	-1.007
110	316	-.271	.125	.087	-.837
110	317	-.121	.071	.134	-.490
110	318	-.118	.055	.079	-.402
110	319	-.202	.064	.036	-.504
110	320	-.360	.125	.009	-.951
110	321	-.127	.099	.258	-.551
110	322	-.178	.083	.204	-.521
110	323	-.211	.065	-.006	-.499
110	324	-.089	.060	.114	-.416
110	325	-.084	.055	.139	-.346
110	326	-.112	.061	.048	-.368
110	327	-.202	.053	-.046	-.390
120	101	.029	.068	.331	-.250
120	102	.229	.145	.859	-.209
120	103	-.117	.063	.067	-.408
120	104	-.101	.054	.108	-.422
120	105	-.098	.043	.043	-.398
120	106	-.091	.040	.040	-.275
120	107	-.058	.038	.084	-.321
120	108	-.073	.037	.070	-.246
120	109	.147	.097	.607	-.170
120	110	.211	.116	.751	-.157
120	111	-.064	.045	.123	-.224
120	112	-.047	.046	.158	-.186
120	113	-.087	.039	.055	-.248
120	114	-.136	.076	.048	-.609
120	115	-.039	.033	.099	-.151
120	116	-.063	.033	.055	-.181
120	201	-.050	.070	.273	-.296
120	202	-.153	.053	-.011	-.392
120	203	-.139	.064	.048	-.547
120	204	-.153	.069	.053	-.543
120	205	-.165	.074	.014	-.795
120	206	-.052	.054	.155	-.358
120	207	-.195	.109	.084	-1.044
120	208	-.135	.070	.050	-.503
120	209	-.116	.043	.084	-.289
120	210	-.128	.042	-.001	-.389
120	211	-.023	.063	.254	-.202
120	212	-.006	.068	.234	-.314
120	213	-.049	.081	.358	-.597
120	214	-.017	.051	.197	-.345
120	215	-.057	.060	.140	-.319
120	301	-.281	.097	.000	-1.041
120	302	-.204	.108	.098	-.883
120	303	-.107	.048	.028	-.521
120	304	-.114	.057	.043	-.493
120	305	-.172	.096	.053	-.963
120	306	-.172	.116	.263	-.953
120	307	-.079	.117	.519	-.499
120	308	-.365	.120	.014	-.831
120	309	-.187	.096	.116	-.674
120	310	-.113	.049	.038	-.480
120	311	-.125	.045	.097	-.480
120	312	-.136	.065	.063	-.467
120	313	-.217	.147	.221	-.863
120	314	-.135	.110	.404	-.582
120	315	-.303	.097	-.001	-.736
120	316	-.125	.082	.114	-.496
120	317	-.097	.047	.075	-.279
120	318	-.126	.049	.026	-.374
120	319	-.116	.056	.141	-.406
120	320	-.133	.113	.165	-.702
120	321	-.124	.090	.216	-.666
120	322	-.117	.052	.035	-.338
120	323	-.059	.042	.067	-.284

APPENDIX A -- PRESSURE DATA: ADJACENT BUILDINGS WITH LOGAN SQUARE IN PLACE

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
120	324	-.047	.042	.157	-.251
120	325	-.061	.043	.103	-.365
120	326	-.028	.057	.183	-.284
120	327	-.058	.044	.099	-.248
130	101	.121	.089	.443	-.555
130	102	.369	.179	.991	-.417
130	103	-.188	.114	.127	-1.522
130	104	-.134	.082	.112	-.662
130	105	-.123	.053	.030	-.394
130	106	-.158	.052	.047	-.422
130	107	-.073	.045	.106	-.415
130	108	-.088	.042	.110	-.372
130	109	.275	.126	.802	-.239
130	110	.366	.167	1.051	-.172
130	111	-.053	.069	.241	-.468
130	112	-.018	.060	.225	-.277
130	113	-.108	.048	.050	-.300
130	114	-.251	.131	.062	-.960
130	115	-.051	.039	.069	-.220
130	116	-.079	.040	.050	-.335
130	201	-.047	.092	.476	-.367
130	202	-.204	.069	.034	-.507
130	203	-.125	.064	.101	-.459
130	204	-.133	.068	.155	-.507
130	205	-.151	.070	.103	-.960
130	206	-.053	.072	.241	-.396
130	207	-.207	.163	.168	-1.148
130	208	-.128	.070	.075	-.530
130	209	-.123	.053	.059	-.379
130	210	-.145	.051	.029	-.472
130	211	.118	.064	.419	-.090
130	212	.108	.077	.515	-.180
130	213	.166	.091	.527	-.100
130	214	-.007	.056	.215	-.213
130	215	-.071	.064	.144	-.475
130	301	-.116	.073	.130	-.630
130	302	-.098	.053	.079	-.374
130	303	-.103	.044	.039	-.404
130	304	-.097	.063	.074	-.437
130	305	-.099	.082	.212	-.840
130	306	-.049	.092	.537	-.666
130	307	-.077	.088	.452	-.704
130	308	-.107	.065	.171	-.413
130	309	-.109	.050	.055	-.362
130	310	-.078	.040	.045	-.384
130	311	-.120	.043	.017	-.301
130	312	-.055	.051	.197	-.307
130	313	-.043	.054	.180	-.287
130	314	-.055	.055	.129	-.329
130	315	-.141	.066	.140	-.469

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
130	316	-.082	.058	.096	-.394
130	317	-.069	.041	.115	-.255
130	318	-.090	.044	.050	-.271
130	319	-.085	.046	.095	-.248
130	320	-.023	.067	.313	-.319
130	321	-.046	.061	.142	-.450
130	322	-.065	.051	.163	-.247
130	323	-.047	.041	.115	-.210
130	324	-.023	.039	.130	-.215
130	325	-.042	.041	.222	-.187
130	326	-.012	.055	.245	-.264
130	327	-.028	.041	.122	-.225
140	101	.035	.117	.419	-.614
140	102	.257	.233	1.308	-.620
140	103	-.230	.128	.055	-1.164
140	104	-.179	.092	.035	-.799
140	105	-.165	.059	.006	-.478
140	106	-.189	.060	-.028	-.540
140	107	-.103	.048	.060	-.330
140	108	-.108	.045	.027	-.277
140	109	.257	.153	1.025	-.149
140	110	.330	.198	1.097	-.540
140	111	-.092	.076	.236	-.564
140	112	-.057	.057	.163	-.326
140	113	-.144	.054	.002	-.445
140	114	-.262	.144	.170	-1.231
140	115	-.075	.041	.062	-.306
140	116	-.094	.042	.045	-.364
140	201	-.127	.073	.245	-.468
140	202	-.194	.059	-.016	-.481
140	203	-.135	.059	.055	-.639
140	204	-.144	.060	.059	-.485
140	205	-.157	.063	.045	-.526
140	206	-.135	.072	.148	-.570
140	207	-.105	.077	.156	-.624
140	208	-.139	.062	.092	-.477
140	209	-.128	.051	.090	-.332
140	210	-.156	.050	.041	-.374
140	211	.127	.090	.609	-.094
140	212	.137	.106	.737	-.106
140	213	.189	.118	.629	-.118
140	214	.002	.062	.265	-.250
140	215	-.059	.081	.183	-.841
140	301	-.211	.123	.077	-1.081
140	302	-.148	.055	.021	-.614
140	303	-.150	.050	.016	-.491
140	304	-.223	.113	.050	-.810
140	305	-.171	.123	.435	-1.101
140	306	.025	.147	.787	-.850
140	307	-.053	.098	.409	-.359

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
140	308	-.133	.066	.074	-.533
140	309	-.118	.044	.062	-.349
140	310	-.101	.047	.064	-.366
140	311	-.192	.073	-.013	-.674
140	312	-.168	.101	.178	-.701
140	313	-.034	.091	.470	-.354
140	314	-.085	.073	.281	-.514
140	315	-.134	.039	-.001	-.327
140	316	-.078	.036	.052	-.263
140	317	-.093	.040	.057	-.391
140	318	-.121	.055	.049	-.392
140	319	-.152	.065	.118	-.461
140	320	-.042	.066	.288	-.292
140	321	-.098	.054	.069	-.351
140	322	-.083	.035	.073	-.189
140	323	-.109	.033	.031	-.215
140	324	-.070	.039	.077	-.299
140	325	-.084	.043	.087	-.287
140	326	-.064	.047	.209	-.192
140	327	-.086	.044	.121	-.227
150	101	-.099	.103	.337	-.549
150	102	-.028	.169	.840	-.612
150	103	-.199	.102	.026	-.862
150	104	-.167	.062	.002	-.745
150	105	-.144	.046	.023	-.390
150	106	-.157	.050	.011	-.458
150	107	-.107	.042	.030	-.267
150	108	-.109	.040	.032	-.318
150	109	.083	.137	.881	-.362
150	110	.145	.160	.980	-.842
150	111	-.111	.057	.099	-.436
150	112	-.092	.045	.100	-.267
150	113	-.131	.039	-.015	-.315
150	114	-.161	.078	.016	-.667
150	115	-.090	.038	.038	-.284
150	116	-.099	.040	.024	-.464
150	201	-.193	.066	.072	-.556
150	202	-.218	.062	-.051	-.537
150	203	-.186	.061	-.010	-.502
150	204	-.179	.061	.002	-.532
150	205	-.185	.061	-.008	-.484
150	206	-.215	.087	.042	-.806
150	207	-.136	.067	.099	-.626
150	208	-.151	.059	.046	-.464
150	209	-.170	.052	-.024	-.474
150	210	-.207	.063	-.056	-.609
150	211	.028	.073	.411	-.169
150	212	.035	.083	.454	-.184
150	213	.056	.096	.510	-.163
150	214	-.056	.057	.225	-.225

APPENDIX A -- PRESSURE DATA: ADJACENT BUILDINGS WITH LOGAN SQUARE IN PLACE

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
150	215	-.100	.081	.164	-.555
150	301	-.369	.212	-.041	-1.467
150	302	-.197	.088	.037	-.908
150	303	-.202	.073	.021	-.638
150	304	-.381	.204	-.017	-1.378
150	305	-.272	.165	.243	-1.454
150	306	.079	.217	.820	-.685
150	307	.010	.159	.545	-.530
150	308	-.234	.104	.007	-.997
150	309	-.160	.062	.087	-.503
150	310	-.137	.059	.044	-.488
150	311	-.250	.096	.006	-.842
150	312	-.271	.135	.202	-.828
150	313	-.074	.122	.469	-.483
150	314	-.074	.105	.372	-.559
150	315	-.189	.056	-.006	-.544
150	316	-.126	.048	.059	-.343
150	317	-.126	.045	.036	-.466
150	318	-.152	.058	.011	-.425
150	319	-.215	.081	.040	-.816
150	320	-.077	.083	.309	-.391
150	321	-.110	.062	.199	-.452
150	322	-.117	.040	.034	-.240
150	323	-.144	.039	-.001	-.294
150	324	-.104	.040	.028	-.246
150	325	-.112	.040	.109	-.257
150	326	-.105	.043	.093	-.289
150	327	-.110	.046	.199	-.239
160	101	-.150	.074	.169	-.495
160	102	-.138	.100	.394	-.597
160	103	-.169	.060	-.031	-.546
160	104	-.155	.041	-.031	-.373
160	105	-.146	.035	.002	-.265
160	106	-.172	.035	-.060	-.305
160	107	-.136	.038	-.008	-.314
160	108	-.128	.037	-.014	-.278
160	109	-.039	.102	.498	-.400
160	110	.015	.114	.674	-.384
160	111	-.133	.046	.037	-.366
160	112	-.117	.038	.071	-.231
160	113	-.138	.033	-.026	-.249
160	114	-.163	.046	-.020	-.619
160	115	-.117	.040	.002	-.481
160	116	-.112	.034	.002	-.259
160	201	-.195	.063	.139	-.456
160	202	-.218	.059	.006	-.467
160	203	-.186	.055	-.008	-.614
160	204	-.179	.054	-.005	-.445
160	205	-.189	.059	-.015	-.458
160	206	-.239	.082	.006	-.702
160	207	-.156	.059	.046	-.537
160	208	-.154	.052	.012	-.447
160	209	-.158	.047	.080	-.440
160	210	-.195	.058	-.025	-.526
160	211	-.020	.061	.292	-.171
160	212	-.015	.067	.343	-.174
160	213	-.003	.074	.479	-.178
160	214	-.079	.054	.211	-.258
160	215	-.093	.074	.217	-.577
160	301	-.320	.168	.079	-1.556
160	302	-.195	.078	.061	-.766
160	303	-.224	.065	-.013	-.533
160	304	-.270	.134	.025	-1.251
160	305	-.233	.161	.388	-1.527
160	306	-.089	.170	.681	-.977
160	307	-.044	.192	.700	-.631
160	308	-.306	.126	-.017	-1.047
160	309	-.183	.073	.007	-.718
160	310	-.174	.054	.027	-.472
160	311	-.239	.068	-.082	-.645
160	312	-.249	.119	.032	-1.010
160	313	-.172	.104	.221	-.616
160	314	-.034	.134	.672	-.391
160	315	-.294	.091	-.049	-.788
160	316	-.169	.062	.096	-.661
160	317	-.156	.043	.002	-.388
160	318	-.177	.049	-.021	-.414
160	319	-.244	.078	-.044	-.702
160	320	-.171	.082	.175	-.563
160	321	-.030	.102	.542	-.381
160	322	-.152	.048	.034	-.357
160	323	-.170	.043	-.034	-.372
160	324	-.143	.040	.042	-.378
160	325	-.152	.044	.057	-.419
160	326	-.172	.058	.061	-.423
160	327	-.150	.050	.006	-.419
170	101	-.152	.062	.184	-.590
170	102	-.140	.074	.259	-.588
170	103	-.026	.049	.121	-.370
170	104	-.140	.036	-.010	-.333
170	105	-.132	.034	-.006	-.266
170	106	-.147	.033	-.024	-.258
170	107	.005	.047	.144	-.259
170	108	-.110	.035	.000	-.246
170	109	-.077	.086	.386	-.501
170	110	-.014	.095	.438	-.308
170	111	.005	.047	.162	-.228
170	112	-.114	.036	.058	-.223
170	113	-.124	.036	.024	-.259
170	114	-.139	.039	-.006	-.383
170	115	.030	.052	.203	-.176
170	116	-.105	.039	.008	-.335
170	201	-.194	.060	.012	-.456
170	202	-.210	.052	-.048	-.414
170	203	-.039	.055	.144	-.251
170	204	-.175	.055	.039	-.430
170	205	-.182	.063	-.016	-.564
170	206	-.247	.080	-.027	-.611
170	207	-.004	.057	.191	-.352
170	208	-.154	.049	.066	-.351
170	209	-.148	.043	.024	-.398
170	210	-.182	.053	.015	-.456
170	211	.121	.065	.400	-.047
170	212	-.029	.065	.341	-.189
170	213	-.015	.068	.502	-.158
170	214	-.081	.051	.147	-.232
170	215	-.091	.065	.152	-.455
170	301	-.179	.063	.011	-.466
170	302	-.172	.060	.040	-.448
170	303	-.230	.071	-.019	-.676
170	304	-.201	.108	.209	-1.000
170	305	-.183	.109	.372	-1.119
170	306	-.189	.104	.464	-.961
170	307	-.197	.092	.253	-.788
170	308	-.165	.051	.002	-.385
170	309	-.156	.054	-.003	-1.137
170	310	-.167	.054	-.024	-.458
170	311	-.179	.058	.064	-.419
170	312	-.172	.059	.056	-.489
170	313	-.182	.052	.045	-.503
170	314	-.170	.054	.232	-.370
170	315	-.184	.048	-.022	-.430
170	316	-.147	.046	.010	-.378
170	317	-.135	.038	.042	-.291
170	318	-.141	.043	.057	-.408
170	319	-.187	.043	-.030	-.388
170	320	-.172	.043	.036	-.476
170	321	-.176	.040	-.016	-.404
170	322	-.120	.042	.037	-.266
170	323	-.147	.039	.009	-.323
170	324	-.126	.037	.036	-.246
170	325	-.109	.040	.105	-.231
170	326	-.100	.061	.378	-.332
170	327	-.190	.039	-.035	-.359
180	101	-.176	.058	.055	-.703
180	102	-.161	.048	.119	-.387
180	103	-.159	.039	-.008	-.326
180	104	-.149	.035	.005	-.281
180	105	-.143	.033	-.011	-.282
180	106	-.143	.032	-.024	-.308

APPENDIX A -- PRESSURE DATA: ADJACENT BUILDINGS WITH LOGAN SQUARE IN PLACE

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
180	107	-.144	.034	-.024	-.271
180	108	-.145	.037	-.029	-.308
180	109	-.148	.079	.111	-.731
180	110	-.075	.095	.597	-.354
180	111	-.129	.041	.057	-.281
180	112	-.128	.036	.029	-.242
180	113	-.136	.033	-.003	-.244
180	114	-.123	.035	.068	-.313
180	115	-.130	.038	.038	-.271
180	116	-.147	.039	-.032	-.313
180	201	-.253	.069	.024	-.546
180	202	-.226	.056	-.052	-.446
180	203	-.222	.057	-.032	-.422
180	204	-.195	.058	.029	-.434
180	205	-.192	.056	-.008	-.498
180	206	-.298	.093	-.065	-.698
180	207	-.215	.064	-.019	-.573
180	208	-.188	.056	.018	-.426
180	209	-.172	.045	-.029	-.381
180	210	-.171	.048	-.037	-.446
180	211	-.036	.067	.311	-.242
180	212	.029	.074	.360	-.308
180	213	.030	.082	.380	-.239
180	214	-.078	.053	.114	-.236
180	215	-.091	.060	.096	-.326
180	301	-.162	.076	.121	-.820
180	302	-.146	.064	.068	-.463
180	303	-.167	.069	.042	-.476
180	304	-.168	.092	.220	-.747
180	305	-.158	.101	.326	-.765
180	306	-.159	.113	.580	-.688
180	307	-.153	.096	.464	-.599
180	308	-.127	.048	.093	-.323
180	309	-.132	.045	.034	-.363
180	310	-.143	.051	.032	-.450
180	311	-.159	.055	.042	-.463
180	312	-.142	.063	.231	-.398
180	313	-.167	.054	.089	-.452
180	314	-.160	.052	.106	-.371
180	315	-.145	.038	-.032	-.274
180	316	-.119	.039	-.003	-.320
180	317	-.132	.041	.013	-.402
180	318	-.137	.047	.035	-.353
180	319	-.141	.058	.206	-.369
180	320	-.149	.052	.197	-.393
180	321	-.154	.043	-.026	-.505
180	322	-.136	.036	-.026	-.318
180	323	-.138	.038	-.011	-.310
180	324	-.138	.059	-.003	-.469
180	325	-.099	.048	.150	-.318
180	326	-.043	.083	.684	-.270
180	327	-.170	.042	-.029	-.428
190	101	-.135	.064	.190	-.477
190	102	-.174	.053	.016	-.434
190	103	-.165	.047	-.012	-.399
190	104	-.153	.043	-.014	-.308
190	105	-.132	.043	.008	-.326
190	106	-.174	.044	-.044	-.391
190	107	-.151	.042	-.029	-.349
190	108	-.154	.046	-.024	-.419
190	109	-.119	.092	.166	-.979
190	110	-.081	.109	.583	-.597
190	111	-.109	.059	.157	-.310
190	112	-.116	.050	.164	-.270
190	113	-.130	.040	.032	-.266
190	114	-.128	.043	.042	-.342
190	115	-.129	.042	.050	-.263
190	116	-.165	.050	-.029	-.451
190	201	-.234	.064	-.008	-.563
190	202	-.216	.053	-.010	-.429
190	203	-.201	.054	-.017	-.442
190	204	-.173	.054	.015	-.407
190	205	-.162	.057	.111	-.526
190	206	-.288	.090	-.055	-.670
190	207	-.209	.067	.088	-.630
190	208	-.188	.064	.072	-.528
190	209	-.148	.047	.011	-.398
190	210	-.133	.041	-.006	-.287
190	211	-.029	.079	.288	-.239
190	212	-.026	.089	.345	-.381
190	213	-.019	.104	.566	-.349
190	214	-.074	.058	.167	-.379
190	215	-.087	.056	.126	-.318
190	301	-.172	.079	.092	-.689
190	302	-.181	.079	.043	-.682
190	303	-.242	.116	.034	-1.287
190	304	-.227	.154	.345	-1.312
190	305	-.095	.149	.685	-.788
190	306	-.136	.125	.515	-.791
190	307	-.172	.115	.330	-1.063
190	308	-.151	.051	.009	-.425
190	309	-.153	.052	.027	-.521
190	310	-.179	.069	.022	-.610
190	311	-.203	.083	.079	-.665
190	312	-.107	.092	.624	-.456
190	313	-.179	.070	.077	-.711
190	314	-.165	.055	.090	-.545
190	315	-.139	.036	-.010	-.289
190	316	-.153	.046	-.015	-.475
190	317	-.166	.061	.046	-.562
190	318	-.176	.068	.057	-.531
190	319	-.066	.075	.335	-.334
190	320	-.177	.064	-.012	-.596
190	321	-.152	.044	-.031	-.475
190	322	-.137	.037	-.005	-.301
190	323	-.131	.043	.042	-.325
190	324	-.192	.072	.014	-.508
190	325	-.103	.062	.164	-.339
190	326	.062	.096	.543	-.150
190	327	-.133	.059	.065	-.401
200	101	-.073	.064	.194	-.364
200	102	-.113	.065	.108	-.389
200	103	-.142	.065	.069	-.447
200	104	-.112	.058	.112	-.340
200	105	-.097	.046	.074	-.291
200	106	-.190	.054	-.015	-.450
200	107	-.133	.040	.007	-.296
200	108	-.138	.041	.007	-.304
200	109	-.046	.054	.154	-.483
200	110	-.064	.073	.141	-.760
200	111	.014	.088	.425	-.253
200	112	-.015	.069	.287	-.211
200	113	-.098	.044	.065	-.233
200	114	-.150	.071	.094	-.509
200	115	-.126	.041	.016	-.255
200	116	-.145	.042	-.032	-.330
200	201	-.235	.068	-.003	-.561
200	202	-.194	.053	.044	-.379
200	203	-.178	.056	.009	-.397
200	204	-.156	.057	.034	-.517
200	205	-.139	.066	.135	-.497
200	206	-.267	.073	-.086	-.694
200	207	-.198	.063	.033	-.757
200	208	-.143	.063	.092	-.474
200	209	-.123	.043	.062	-.354
200	210	-.113	.044	.082	-.401
200	211	-.010	.076	.405	-.224
200	212	-.004	.089	.493	-.444
200	213	.004	.085	.442	-.237
200	214	-.057	.047	.162	-.301
200	215	-.085	.048	.093	-.315
200	301	-.219	.079	-.019	-.869
200	302	-.225	.089	.020	-.682
200	303	-.392	.196	.042	-1.616
200	304	-.240	.200	.441	-1.619
200	305	.024	.182	.855	-1.035
200	306	-.143	.143	.592	-.982
200	307	-.252	.172	.238	-1.585
200	308	-.175	.053	.021	-.486
200	309	-.177	.068	.085	-.792

APPENDIX A -- PRESSURE DATA: ADJACENT BUILDINGS WITH LOGAN SQUARE IN PLACE

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
200	310	-.245	.098	.065	-.708
200	311	-.268	.125	.063	-.871
200	312	-.053	.119	.595	-.380
200	313	-.208	.105	.134	-.814
200	314	-.238	.094	.027	-.973
200	315	-.138	.041	.013	-.313
200	316	-.163	.062	.011	-.800
200	317	-.201	.084	.036	-1.146
200	318	-.233	.114	.023	-.905
200	319	.004	.105	.623	-.327
200	320	-.219	.098	.021	-.788
200	321	-.197	.072	-.019	-.741
200	322	-.136	.041	.039	-.310
200	323	-.127	.050	.065	-.330
200	324	-.234	.091	.040	-.671
200	325	-.102	.081	.289	-.442
200	326	.162	.138	.781	-.151
200	327	-.142	.068	.150	-.424
210	101	.008	.071	.403	-.451
210	102	-.110	.070	.137	-.425
210	103	-.145	.069	.065	-.450
210	104	-.094	.053	.116	-.306
210	105	-.073	.047	.105	-.270
210	106	-.268	.070	-.055	-.593
210	107	-.121	.038	.010	-.269
210	108	-.105	.038	.019	-.248
210	109	.020	.053	.203	-.226
210	110	-.033	.071	.190	-.481
210	111	.087	.102	.737	-.228
210	112	.071	.077	.464	-.141
210	113	-.081	.046	.068	-.277
210	114	-.253	.092	.015	-.633
210	115	-.134	.038	.060	-.302
210	116	-.123	.036	.002	-.282
210	201	-.255	.083	-.003	-.812
210	202	-.195	.057	.008	-.502
210	203	-.149	.066	.098	-.438
210	204	-.139	.081	.152	-.523
210	205	-.044	.095	.364	-.419
210	206	-.278	.098	-.053	-.801
210	207	-.191	.068	.065	-.519
210	208	-.078	.064	.212	-.389
210	209	-.072	.065	.160	-.481
210	210	-.080	.065	.242	-.528
210	211	.056	.073	.380	-.167
210	212	.084	.086	.414	-.182
210	213	.065	.077	.451	-.247
210	214	-.010	.050	.214	-.214
210	215	-.050	.060	.225	-.293
210	301	-.282	.110	.047	-.930
210	302	-.367	.172	.015	-1.311
210	303	-.642	.375	.190	-2.588
210	304	-.296	.247	.432	-1.375
210	305	-.330	.247	1.218	-.651
210	306	-.154	.199	.667	-1.092
210	307	-.660	.383	.251	-2.609
210	308	-.206	.091	.139	-.784
210	309	-.240	.110	.069	-.911
210	310	-.424	.213	.098	-1.630
210	311	-.428	.210	.204	-1.302
210	312	.184	.175	.747	-.398
210	313	-.402	.211	.279	-1.150
210	314	-.542	.206	-.088	-1.465
210	315	-.169	.060	.015	-.481
210	316	-.203	.093	.055	-.920
210	317	-.351	.162	.007	-1.097
210	318	-.414	.191	.114	-1.092
210	319	.267	.153	.784	-.142
210	320	-.410	.165	.039	-1.135
210	321	-.382	.148	-.031	-.997
210	322	-.125	.058	.148	-.341
210	323	-.155	.074	.071	-.521
210	324	-.295	.117	.089	-.879
210	325	-.185	.110	.264	-.656
210	326	.440	.169	1.173	-.033
210	327	-.129	.085	.181	-.502
220	101	.068	.077	.408	-.245
220	102	-.095	.069	.119	-.474
220	103	-.109	.063	.087	-.421
220	104	-.076	.047	.123	-.247
220	105	-.058	.043	.120	-.185
220	106	-.305	.076	-.084	-.679
220	107	-.098	.042	.049	-.236
220	108	-.080	.041	.050	-.227
220	109	.046	.055	.285	-.150
220	110	-.035	.081	.214	-.698
220	111	.085	.104	.581	-.178
220	112	.078	.085	.446	-.150
220	113	-.070	.045	.113	-.208
220	114	-.269	.102	.086	-.790
220	115	-.114	.042	.075	-.250
220	116	-.098	.041	.062	-.242
220	201	-.245	.098	-.006	-.734
220	202	-.162	.064	.029	-.493
220	203	-.154	.082	.102	-.583
220	204	-.170	.093	.115	-.677
220	205	.056	.119	.625	-.324
220	206	-.216	.079	-.013	-.696
220	207	-.154	.066	.092	-.445
220	208	-.087	.096	.205	-.587
220	209	-.168	.119	.197	-.873
220	210	.038	.079	.405	-.195
220	211	.057	.055	.278	-.118
220	212	.088	.062	.345	-.102
220	213	.052	.063	.287	-.657
220	214	.002	.079	.209	-.583
220	215	.034	.056	.494	-.163
220	301	-.312	.126	.084	-1.044
220	302	-.397	.199	.157	-1.539
220	303	-.542	.276	.169	-2.031
220	304	-.400	.250	.420	-1.325
220	305	.569	.200	1.248	-.112
220	306	-.156	.173	.615	-.850
220	307	-.873	.313	-.027	-2.295
220	308	-.226	.100	.164	-.764
220	309	-.317	.146	.164	-1.051
220	310	-.595	.274	.243	-1.718
220	311	-.592	.210	.121	-1.372
220	312	.491	.164	1.114	-.197
220	313	-.540	.216	.321	-1.370
220	314	-.789	.211	-.117	-1.741
220	315	-.193	.074	.015	-.653
220	316	-.240	.122	.176	-1.021
220	317	.590	.206	.108	-1.449
220	318	-.569	.146	-.143	-1.222
220	319	.452	.131	1.024	-.023
220	320	-.486	.169	.116	-1.062
220	321	-.564	.173	-.015	-1.256
220	322	-.125	.067	.157	-.476
220	323	-.169	.076	.074	-.585
220	324	-.282	.127	.065	-.947
220	325	-.230	.108	.311	-.657
220	326	.377	.169	1.090	-.064
220	327	.009	.082	.294	-.330
230	101	.071	.071	.404	-.150
230	102	-.082	.077	.154	-.628
230	103	-.070	.052	.098	-.305
230	104	-.066	.048	.149	-.211
230	105	-.053	.041	.138	-.176
230	106	-.223	.070	-.045	-.530
230	107	-.084	.040	.052	-.232
230	108	-.066	.039	.073	-.199
230	109	.060	.050	.242	-.103
230	110	-.028	.075	.205	-.616
230	111	.052	.093	.556	-.176
230	112	.048	.084	.453	-.165
230	113	-.053	.042	.128	-.202
230	114	-.195	.096	.097	-.626
230	115	-.090	.042	.069	-.281
230	116	-.075	.041	.066	-.287

APPENDIX A -- PRESSURE DATA: ADJACENT BUILDINGS WITH LOGAN SQUARE IN PLACE

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
230	201	-.193	.061	-.011	-.459
230	202	-.251	.097	-.023	-.748
230	203	-.262	.083	-.002	-.645
230	204	-.226	.078	.029	-.833
230	205	.126	.136	.838	-.626
230	206	-.204	.071	.003	-.525
230	207	-.211	.110	.120	-1.203
230	208	-.290	.101	.007	-.779
230	209	-.241	.081	.020	-.687
230	210	.070	.081	.452	-.218
230	211	.077	.077	.414	-.225
230	212	.143	.111	.631	-.231
230	213	-.106	.201	.409	-1.180
230	214	-.262	.146	.128	-.993
230	215	.082	.083	.473	-.193
230	301	-.207	.080	.058	-.706
230	302	-.234	.088	.067	-.756
230	303	-.393	.140	-.004	-1.098
230	304	-.429	.151	.091	-1.154
230	305	.409	.174	1.077	-.184
230	306	-.276	.112	.176	-.690
230	307	-.493	.168	-.059	-1.379
230	308	-.209	.078	.044	-.658
230	309	-.260	.113	.063	-.919
230	310	-.534	.208	.112	-1.359
230	311	-.586	.155	-.023	-1.134
230	312	.462	.164	1.155	.000
230	313	-.427	.161	.129	-1.117
230	314	-.497	.206	.095	-1.314
230	315	-.167	.067	.083	-.597
230	316	-.224	.102	.081	-.748
230	317	-.552	.212	.110	-1.409
230	318	-.496	.164	.138	-1.227
230	319	.373	.151	1.031	-.160
230	320	-.363	.160	.164	-1.135
230	321	-.468	.152	-.037	-1.208
230	322	-.120	.066	.209	-.527
230	323	-.151	.076	.066	-.698
230	324	-.272	.129	.066	-.883
230	325	-.224	.105	.181	-.885
230	326	.166	.126	.850	-.150
230	327	.047	.079	.330	-.256
240	101	.060	.060	.370	-.118
240	102	-.048	.072	.189	-.511
240	103	-.061	.054	.173	-.355
240	104	-.069	.051	.160	-.257
240	105	-.028	.043	.144	-.192
240	106	-.142	.056	.011	-.497
240	107	-.056	.039	.099	-.217
240	108	-.040	.037	.106	-.208

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
240	109	.060	.048	.258	-.113
240	110	-.005	.073	.325	-.393
240	111	.091	.124	.662	-.167
240	112	.069	.097	.550	-.144
240	113	-.032	.046	.196	-.175
240	114	-.108	.082	.252	-.470
240	115	-.052	.041	.126	-.192
240	116	-.039	.040	.093	-.181
240	201	-.247	.068	-.054	-.549
240	202	-.312	.105	-.057	-.891
240	203	-.318	.078	-.029	-.686
240	204	-.283	.075	-.055	-.606
240	205	.128	.120	.539	-.292
240	206	-.243	.079	-.050	-.777
240	207	-.235	.114	.111	-.853
240	208	-.337	.131	.150	-1.018
240	209	-.311	.099	-.018	-.915
240	210	.046	.074	.351	-.183
240	211	.063	.092	.383	-.382
240	212	.137	.135	.684	-.601
240	213	-.099	.225	.594	-.984
240	214	-.262	.146	.107	-1.072
240	215	.070	.083	.373	-.190
240	301	-.146	.058	.061	-.406
240	302	-.164	.060	.056	-.582
240	303	-.219	.093	.165	-.825
240	304	-.331	.142	.181	-1.006
240	305	.236	.195	.896	-.391
240	306	-.325	.101	.054	-.763
240	307	-.424	.143	.001	-1.156
240	308	-.161	.067	.030	-.510
240	309	-.171	.076	.106	-.672
240	310	-.273	.141	.087	-.984
240	311	-.428	.165	.201	-1.057
240	312	.371	.185	1.089	-.234
240	313	-.434	.149	.059	-.944
240	314	-.464	.178	.144	-1.460
240	315	-.111	.052	.095	-.470
240	316	-.149	.069	.065	-.520
240	317	-.271	.153	.202	-.947
240	318	-.345	.156	.087	-1.029
240	319	.276	.185	.900	-.243
240	320	-.324	.164	.168	-.982
240	321	-.370	.153	.086	-1.016
240	322	-.079	.051	.142	-.330
240	323	-.093	.057	.056	-.482
240	324	-.153	.083	.144	-.597
240	325	-.132	.085	.321	-.564
240	326	.072	.103	.622	-.170
240	327	.015	.075	.271	-.308

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
250	101	.060	.048	.303	-.128
250	102	-.013	.058	.187	-.254
250	103	-.064	.053	.137	-.373
250	104	-.066	.053	.161	-.368
250	105	-.002	.047	.175	-.173
250	106	-.093	.053	.070	-.480
250	107	-.060	.042	.079	-.207
250	108	-.046	.043	.112	-.331
250	109	.064	.043	.293	-.072
250	110	.028	.063	.289	-.270
250	111	.139	.120	.746	-.151
250	112	.099	.091	.589	-.140
250	113	-.008	.044	.171	-.159
250	114	-.057	.089	.320	-.456
250	115	-.045	.050	.352	-.195
250	116	-.044	.044	.197	-.226
250	201	-.241	.070	-.018	-.616
250	202	-.291	.105	.013	-.896
250	203	-.330	.091	-.068	-.965
250	204	-.310	.090	-.018	-.803
250	205	.167	.130	.668	-.413
250	206	-.262	.087	-.047	-.877
250	207	-.225	.108	.108	-.882
250	208	-.365	.141	.093	-.938
250	209	-.357	.119	.004	-1.051
250	210	.107	.091	.458	-.187
250	211	.079	.067	.411	-.195
250	212	.166	.101	.694	-.201
250	213	.065	.146	.757	-.731
250	214	-.262	.162	.115	-1.401
250	215	.114	.079	.716	-.112
250	301	-.156	.091	.058	-.752
250	302	-.224	.145	.069	-1.400
250	303	-.046	.117	.558	-.573
250	304	-.097	.102	.406	-.566
250	305	-.028	.139	.753	-.456
250	306	-.215	.078	.117	-.515
250	307	-.194	.101	.034	-.810
250	308	-.125	.052	.047	-.412
250	309	-.161	.080	.066	-.541
250	310	-.085	.080	.392	-.397
250	311	-.089	.098	.351	-.508
250	312	.046	.149	.711	-.356
250	313	-.298	.099	-.022	-.764
250	314	-.166	.098	.069	-.790
250	315	-.078	.036	.037	-.237
250	316	-.110	.045	.049	-.417
250	317	-.109	.048	.112	-.387
250	318	-.132	.082	.107	-.715
250	319	.060	.113	.601	-.230

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
250	320	-.192	.101	.149	-.662
250	321	-.182	.087	.044	-.605
250	322	-.073	.036	.067	-.201
250	323	-.069	.035	.044	-.201
250	324	-.108	.039	.018	-.303
250	325	-.095	.044	.046	-.348
250	326	-.012	.086	.451	-.180
250	327	-.039	.047	.163	-.237
260	101	.065	.041	.246	-.066
260	102	.042	.050	.195	-.217
260	103	-.015	.052	.165	-.236
260	104	-.018	.052	.172	-.195
260	105	.029	.047	.181	-.169
260	106	-.029	.045	.115	-.242
260	107	-.021	.042	.127	-.191
260	108	-.015	.045	.137	-.237
260	109	.086	.048	.299	-.054
260	110	.100	.071	.408	-.140
260	111	.238	.130	.828	-.069
260	112	.147	.087	.635	-.050
260	113	.021	.043	.220	-.136
260	114	.014	.081	.360	-.533
260	115	.003	.048	.212	-.134
260	116	-.012	.046	.144	-.277
260	201	-.232	.082	-.006	-.764
260	202	-.253	.110	-.028	-.937
260	203	-.347	.118	-.022	-.959
260	204	-.385	.127	-.038	-1.177
260	205	.228	.147	.942	-.361
260	206	-.255	.094	-.035	-.894
260	207	-.211	.100	.063	-.643
260	208	-.312	.182	.179	-1.088
260	209	-.366	.128	-.035	-1.127
260	210	.150	.099	.554	-.159
260	211	.090	.069	.381	-.102
260	212	.172	.102	.695	-.225
260	213	.038	.183	.666	-.949
260	214	-.251	.167	.209	-1.020
260	215	.136	.084	.520	-.109
260	301	-.149	.077	.089	-.649
260	302	-.298	.112	-.042	-1.271
260	303	-.028	.112	.496	-.445
260	304	.040	.122	.565	-.415
260	305	-.088	.098	.498	-.621
260	306	-.221	.082	-.016	-.791
260	307	-.125	.061	.047	-.433
260	308	-.163	.084	.073	-.639
260	309	-.364	.142	.057	-1.046
260	310	-.042	.104	.445	-.481
260	311	.160	.134	.716	-.181

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
260	312	-.111	.111	.401	-.624
260	313	-.300	.096	-.010	-.826
260	314	-.111	.055	.124	-.373
260	315	-.108	.055	.030	-.438
260	316	-.164	.084	.073	-.681
260	317	-.089	.061	.306	-.467
260	318	-.037	.052	.217	-.340
260	319	-.020	.064	.326	-.336
260	320	-.173	.078	.162	-.509
260	321	-.107	.050	.089	-.315
260	322	-.070	.038	.071	-.205
260	323	-.054	.035	.083	-.183
260	324	-.046	.049	.217	-.228
260	325	-.010	.055	.321	-.220
260	326	.003	.043	.253	-.136
260	327	-.034	.032	.110	-.147
270	101	.072	.041	.220	-.094
270	102	.077	.041	.220	-.064
270	103	.035	.052	.266	-.339
270	104	.048	.049	.229	-.119
270	105	.058	.044	.274	-.182
270	106	.016	.040	.193	-.206
270	107	.011	.038	.197	-.150
270	108	.020	.039	.195	-.158
270	109	.094	.048	.315	-.070
270	110	.150	.061	.405	-.040
270	111	.259	.108	.736	.000
270	112	.155	.071	.451	-.035
270	113	.054	.045	.239	-.080
270	114	.086	.073	.414	-.213
270	115	.047	.045	.256	-.083
270	116	.032	.044	.204	-.163
270	201	-.238	.078	-.042	-.683
270	202	-.226	.086	-.018	-.686
270	203	-.338	.137	.023	-.848
270	204	-.489	.156	.120	-1.198
270	205	.264	.168	.887	-.300
270	206	-.250	.080	-.059	-.782
270	207	-.206	.085	.052	-.669
270	208	-.227	.183	.273	-1.005
270	209	-.363	.155	.234	-1.343
270	210	.191	.109	.582	-.069
270	211	.075	.065	.352	-.150
270	212	.147	.092	.594	-.109
270	213	.017	.157	.564	-1.037
270	214	-.195	.162	.205	-1.056
270	215	.132	.083	.519	-.120
270	301	-.156	.071	.071	-.494
270	302	-.372	.107	-.094	-.925
270	303	.016	.077	.320	-.331

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
270	304	.204	.154	.785	-.430
270	305	-.191	.107	.232	-.669
270	306	-.357	.111	-.063	-1.201
270	307	-.236	.098	.008	-.854
270	308	-.178	.118	.175	-1.057
270	309	-.418	.151	-.028	-1.114
270	310	-.036	.091	.289	-.398
270	311	.309	.139	.825	-.050
270	312	-.303	.127	.072	-.875
270	313	-.508	.160	-.139	-1.202
270	314	-.191	.089	.094	-.600
270	315	-.151	.072	.015	-.525
270	316	-.230	.099	.106	-.853
270	317	-.852	.074	.256	-.405
270	318	.001	.066	.414	-.215
270	319	-.098	.069	.169	-.383
270	320	-.217	.098	.030	-.642
270	321	-.110	.058	.079	-.398
270	322	-.078	.041	.061	-.229
270	323	-.027	.038	.135	-.177
270	324	.040	.063	.291	-.157
270	325	.053	.065	.365	-.114
270	326	.005	.047	.267	-.132
270	327	-.038	.035	.095	-.174
280	101	.071	.041	.232	-.149
280	102	.068	.040	.237	-.091
280	103	.062	.052	.263	-.162
280	104	.080	.044	.241	-.079
280	105	.064	.045	.234	-.141
280	106	.040	.039	.224	-.087
280	107	.043	.042	.246	-.129
280	108	.060	.044	.328	-.134
280	109	.093	.046	.255	-.134
280	110	.139	.055	.538	-.014
280	111	.227	.097	.725	.000
280	112	.148	.061	.444	-.052
280	113	.090	.051	.386	-.092
280	114	.112	.057	.482	-.087
280	115	.069	.048	.283	-.338
280	116	.074	.044	.283	-.121
280	201	-.179	.050	-.032	-.439
280	202	-.158	.042	-.043	-.393
280	203	-.146	.089	.180	-.680
280	204	-.353	.162	.392	-1.294
280	205	.358	.182	.959	-.256
280	206	-.216	.050	-.057	-.495
280	207	-.167	.048	.008	-.397
280	208	-.040	.096	.222	-.739
280	209	.269	.170	.424	-1.007
280	210	.253	.149	.815	-.193

APPENDIX A -- PRESSURE DATA: ADJACENT BUILDINGS WITH LOGAN SQUARE IN PLACE

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
280	211	.075	.066	.408	-.115
280	212	.129	.088	.612	-.102
280	213	.070	.078	.379	-.398
280	214	-.045	.116	.336	-.604
280	215	-.174	.094	.604	-.054
280	301	-.197	.081	.054	-.645
280	302	-.403	.103	-.134	-.892
280	303	.061	.097	.446	-.305
280	304	.269	.146	.926	-.117
280	305	-.299	.120	.214	-.758
280	306	-.427	.159	-.042	-1.579
280	307	-.219	.113	.001	-.774
280	308	-.222	.138	.180	-1.050
280	309	-.440	.155	-.084	-1.237
280	310	.028	.123	.657	-.379
280	311	.277	.158	.895	-.169
280	312	-.389	.149	.037	-1.266
280	313	-.504	.187	.002	-1.358
280	314	-.209	.115	.103	-.909
280	315	-.188	.089	.037	-.777
280	316	-.253	.103	.047	-.871
280	317	-.010	.085	.345	-.390
280	318	.008	.080	.370	-.296
280	319	-.143	.082	.101	-.538
280	320	-.274	.111	.118	-.824
280	321	-.137	.069	.076	-.440
280	322	-.106	.050	.046	-.313
280	323	-.023	.040	.149	-.172
280	324	.080	.065	.391	-.130
280	325	.063	.077	.488	-.230
280	326	-.005	.053	.232	-.184
280	327	-.057	.038	.079	-.257
290	101	.067	.040	.244	-.077
290	102	.047	.038	.216	-.103
290	103	.041	.051	.256	-.149
290	104	.102	.040	.271	-.018
290	105	.074	.044	.228	-.166
290	106	.059	.041	.214	-.133
290	107	.071	.046	.268	-.120
290	108	.105	.054	.430	-.186
290	109	.074	.044	.216	-.139
290	110	.086	.057	.414	-.063
290	111	.153	.089	.692	-.051
290	112	.128	.050	.410	-.030
290	113	.139	.059	.604	-.044
290	114	.127	.068	.442	-.155
290	115	.094	.060	.322	-.272
290	116	.116	.050	.356	-.020
290	201	-.178	.048	-.011	-.425
290	202	-.161	.043	.013	-.321

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
290	203	-.056	.078	.273	-.434
290	204	-.189	.193	.553	-.898
290	205	.397	.173	1.098	-.147
290	206	-.234	.042	-.083	-.390
290	207	-.159	.042	.064	-.314
290	208	-.000	.079	.279	-.440
290	209	-.169	.197	.700	-.857
290	210	.274	.121	.694	-.061
290	211	.088	.069	.457	-.142
290	212	.136	.081	.662	-.124
290	213	.077	.082	.428	-.325
290	214	-.036	.126	.456	-.687
290	215	.192	.082	.619	-.017
290	301	-.248	.108	.049	-.779
290	302	-.357	.105	-.033	-.883
290	303	.130	.123	.568	-.284
290	304	.149	.137	.692	-.247
290	305	-.374	.119	-.018	-.900
290	306	-.397	.136	.042	-.936
290	307	-.215	.090	.046	-.692
290	308	-.260	.159	.143	-.981
290	309	-.465	.166	-.010	-1.125
290	310	.176	.142	.812	-.289
290	311	.246	.153	.788	-.187
290	312	-.485	.156	.091	-1.317
290	313	-.500	.187	.098	-1.229
290	314	-.226	.123	.113	-.969
290	315	-.258	.109	.023	-.890
290	316	-.263	.104	.121	-.686
290	317	.081	.112	.613	-.290
290	318	-.059	.089	.306	-.509
290	319	-.218	.111	.177	-.724
290	320	-.289	.115	.057	-.794
290	321	-.143	.079	.096	-.517
290	322	-.142	.055	.030	-.354
290	323	-.039	.042	.140	-.202
290	324	.154	.073	.530	-.117
290	325	.001	.104	.420	-.337
290	326	-.035	.066	.235	-.280
290	327	-.082	.048	.102	-.281
300	101	.065	.041	.205	-.058
300	102	.027	.040	.162	-.102
300	103	.005	.054	.164	-.236
300	104	.132	.046	.317	-.015
300	105	.098	.040	.241	-.034
300	106	.058	.043	.220	-.115
300	107	.103	.046	.280	-.095
300	108	.121	.058	.457	-.047
300	109	.065	.043	.243	-.120
300	110	.045	.052	.356	-.115

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
300	111	.144	.081	.658	-.073
300	112	.146	.049	.376	-.013
300	113	.193	.077	.666	-.020
300	114	.179	.084	.784	-.047
300	115	.140	.059	.495	-.026
300	116	.142	.059	.521	-.064
300	201	-.187	.051	.001	-.379
300	202	-.173	.046	.054	-.327
300	203	.033	.092	.409	-.231
300	204	.085	.221	.710	-.617
300	205	.407	.159	.984	-.075
300	206	-.264	.045	-.112	-.410
300	207	-.155	.044	.035	-.306
300	208	.070	.074	.405	-.138
300	209	.070	.240	.666	-.816
300	210	.393	.128	.774	-.090
300	211	.136	.076	.402	-.085
300	212	.196	.102	.594	-.067
300	213	.153	.082	.490	-.094
300	214	.070	.126	.555	-.571
300	215	.245	.098	.748	-.031
300	301	-.291	.120	.051	-.880
300	302	-.317	.103	.042	-.775
300	303	.149	.138	.616	-.279
300	304	.064	.124	.616	-.282
300	305	-.436	.125	-.126	-.885
300	306	-.272	.116	.027	-.782
300	307	-.194	.069	-.032	-.601
300	308	-.283	.136	.173	-.905
300	309	-.362	.151	.061	-.949
300	310	.223	.147	.763	-.265
300	311	.149	.159	.754	-.342
300	312	-.502	.158	.013	-1.183
300	313	-.410	.183	.088	-1.193
300	314	-.200	.105	.113	-.747
300	315	-.298	.110	-.004	-.881
300	316	-.218	.108	.112	-.830
300	317	-.118	.114	.644	-.268
300	318	-.108	.094	.303	-.471
300	319	-.308	.117	.061	-.906
300	320	-.264	.113	.093	-.827
300	321	-.132	.075	.159	-.605
300	322	-.139	.052	.018	-.379
300	323	-.075	.046	.117	-.256
300	324	.164	.075	.465	-.043
300	325	-.060	.099	.432	-.367
300	326	-.078	.076	.198	-.376
300	327	-.111	.053	.056	-.334
310	101	.061	.041	.189	-.072
310	102	.030	.041	.166	-.100

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
310	103	-.026	.055	.186	-.284
310	104	.112	.048	.279	-.052
310	105	.099	.043	.255	-.043
310	106	.078	.047	.274	-.124
310	107	.107	.075	1.089	-.129
310	108	.135	.071	.501	-.166
310	109	.051	.039	.201	-.072
310	110	.027	.042	.276	-.105
310	111	.099	.058	.434	-.067
310	112	.124	.051	.359	-.042
310	113	.156	.059	.476	-.043
310	114	.117	.053	.370	-.058
310	115	.111	.049	.357	-.291
310	116	.125	.049	.430	-.025
310	201	-.215	.054	.001	-.434
310	202	-.181	.050	.062	-.368
310	203	.046	.105	.554	-.269
310	204	.184	.207	.824	-.555
310	205	.358	.153	.784	-.253
310	206	-.283	.042	-.134	-.413
310	207	-.175	.043	.130	-.303
310	208	.056	.083	.518	-.217
310	209	.078	.247	.819	-.779
310	210	.332	.130	.859	-.306
310	211	.145	.077	.489	-.084
310	212	.212	.106	.676	-.081
310	213	.118	.086	.466	-.161
310	214	-.022	.119	.547	-.582
310	215	.249	.103	.694	.012
310	301	-.342	.123	-.017	-.968
310	302	-.222	.100	.180	-.610
310	303	.156	.149	.662	-.225
310	304	-.034	.119	.400	-.421
310	305	-.411	.121	-.078	-.998
310	306	-.238	.099	.060	-.788
310	307	-.211	.068	-.016	-.732
310	308	-.356	.153	.087	-1.209
310	309	-.286	.159	.138	-1.139
310	310	.259	.145	.882	-.126
310	311	-.027	.161	.505	-.666
310	312	-.498	.156	-.062	-1.240
310	313	-.272	.147	.218	-1.010
310	314	-.178	.090	.109	-.878
310	315	-.390	.109	-.016	-.862
310	316	-.181	.109	.239	-.650
310	317	.198	.111	.785	-.205
310	318	-.166	.111	.286	-.702
310	319	-.433	.133	-.041	-1.175
310	320	-.273	.113	.027	-1.141
310	321	-.139	.082	.099	-.805

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
310	322	-.172	.061	.041	-.434
310	323	-.095	.057	.139	-.316
310	324	.190	.070	.631	-.067
310	325	-.130	.083	.333	-.528
310	326	-.178	.094	.105	-.687
310	327	-.147	.058	.077	-.373
320	101	.005	.046	.182	-.139
320	102	-.003	.045	.141	-.173
320	103	-.121	.067	.085	-.396
320	104	.035	.065	.231	-.244
320	105	.110	.054	.642	-.042
320	106	.101	.041	.270	-.084
320	107	.071	.050	.270	-.216
320	108	.150	.064	.494	-.131
320	109	.004	.043	.165	-.165
320	110	.002	.040	.144	-.127
320	111	.038	.050	.285	-.133
320	112	.092	.066	.511	-.069
320	113	.135	.050	.360	-.065
320	114	.113	.040	.270	-.074
320	115	.109	.061	.494	-.133
320	116	.146	.048	.339	-.037
320	201	-.219	.054	-.034	-.559
320	202	.153	.048	.037	-.312
320	203	.077	.112	.528	-.218
320	204	.274	.173	.934	-.300
320	205	.237	.133	.690	-.293
320	206	-.275	.044	-.089	-.406
320	207	-.198	.047	-.036	-.359
320	208	.041	.096	.464	-.293
320	209	.199	.221	.870	-.706
320	210	.249	.123	.832	-.421
320	211	.121	.079	.467	-.099
320	212	.178	.109	.646	-.118
320	213	.086	.094	.448	-.201
320	214	-.061	.086	.333	-.484
320	215	.190	.097	.601	-.087
320	301	-.439	.131	-.067	-1.188
320	302	-.153	.117	.305	-.633
320	303	.268	.145	.795	-.169
320	304	-.121	.119	.387	-.541
320	305	-.488	.132	-.150	-1.099
320	306	-.248	.100	.051	-.711
320	307	-.214	.086	.028	-.815
320	308	-.482	.183	.115	-1.239
320	309	-.206	.156	.258	-.826
320	310	.388	.164	1.082	-.034
320	311	-.166	.153	.379	-.726
320	312	-.560	.178	-.104	-1.368
320	313	-.238	.145	.172	-.981

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
320	314	-.163	.068	.051	-.578
320	315	-.460	.130	-.108	-1.259
320	316	-.133	.116	.270	-.782
320	317	-.127	.121	.843	-.684
320	318	-.250	.127	.177	-.809
320	319	-.528	.145	-.127	-1.191
320	320	-.244	.127	.146	-1.015
320	321	-.162	.078	.076	-.686
320	322	-.219	.071	-.006	-.552
320	323	-.067	.069	.187	-.263
320	324	.261	.105	.802	-.017
320	325	-.183	.101	.213	-.544
320	326	-.301	.093	-.022	-.763
320	327	-.164	.063	.122	-.525
330	101	-.072	.049	.117	-.287
330	102	-.063	.059	.106	-.305
330	103	-.299	.109	.044	-.804
330	104	-.109	.099	.247	-.448
330	105	.136	.067	.490	-.082
330	106	.118	.042	.297	-.061
330	107	-.044	.085	.277	-.478
330	108	.170	.075	.589	-.035
330	109	-.077	.048	.090	-.249
330	110	-.045	.041	.104	-.180
330	111	.015	.086	.603	-.274
330	112	.174	.106	.627	-.347
330	113	.175	.065	.507	-.070
330	114	.153	.045	.367	-.002
330	115	.048	.114	.616	-.607
330	116	.187	.061	.549	-.121
330	201	-.219	.066	.020	-.595
330	202	-.147	.054	.048	-.356
330	203	.020	.128	.613	-.550
330	204	.315	.194	1.168	-.755
330	205	.130	.131	.538	-.382
330	206	-.249	.047	-.112	-.431
330	207	-.287	.054	-.093	-.478
330	208	-.091	.115	.340	-.463
330	209	.109	.196	.664	-.883
330	210	.141	.114	.549	-.443
330	211	.008	.083	.344	-.310
330	212	.073	.099	.458	-.279
330	213	-.017	.099	.453	-.348
330	214	-.160	.078	.092	-.594
330	215	.035	.096	.398	-.375
330	301	-.467	.106	-.133	-.886
330	302	-.029	.129	.463	-.423
330	303	-.267	.133	.721	-.985
330	304	-.227	.120	.186	-.651
330	305	-.447	.118	-.063	-.934

APPENDIX A -- PRESSURE DATA: ADJACENT BUILDINGS WITH LOGAN SQUARE IN PLACE

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
330	306	-.234	.083	.052	-.583
330	307	-.195	.083	.021	-.641
330	308	-.593	.167	-.194	-1.305
330	309	-.082	.155	.433	-.632
330	310	-.367	.136	.993	-.056
330	311	-.169	.159	.421	-.797
330	312	-.545	.170	.000	-1.199
330	313	-.215	.126	.156	-1.007
330	314	-.170	.073	.044	-.694
330	315	-.460	.137	-.153	-1.097
330	316	-.126	.150	.471	-.879
330	317	.294	.117	.891	.010
330	318	-.224	.132	.233	-.779
330	319	-.453	.132	-.078	-1.136
330	320	-.269	.131	.093	-1.303
330	321	-.164	.070	.018	-.627
330	322	-.198	.068	.013	-.537
330	323	-.025	.081	.288	-.301
330	324	.252	.112	.716	-.049
330	325	-.148	.090	.214	-.577
330	326	-.312	.094	-.011	-.885
330	327	-.122	.068	.147	-.640
340	101	-.128	.051	.083	-.307
340	102	-.134	.054	.068	-.390
340	103	-.385	.127	.133	-.928
340	104	-.139	.096	.452	-.439
340	105	.126	.082	.626	-.151
340	106	.107	.055	.324	-.169
340	107	-.045	.109	.526	-.818
340	108	-.205	.100	.661	-.205
340	109	-.136	.051	.010	-.329
340	110	-.108	.042	.024	-.268
340	111	-.009	.097	.355	-.301
340	112	.184	.141	.854	-.172
340	113	.173	.079	.554	-.038
340	114	.136	.054	.387	-.149
340	115	.045	.138	.684	-.686
340	116	.192	.065	.509	-.077
340	201	-.235	.065	.008	-.634
340	202	-.223	.060	.009	-.502
340	203	-.246	.119	.176	-.696
340	204	-.064	.246	.801	-.969
340	205	-.077	.171	.593	-.663
340	206	-.252	.053	-.052	-.536
340	207	-.285	.059	-.033	-.551
340	208	-.194	.102	.285	-.522

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
340	209	-.161	.246	.595	-1.291
340	210	-.031	.122	.433	-.668
340	211	-.143	.069	.133	-.375
340	212	-.089	.078	.272	-.344
340	213	-.155	.086	.140	-.543
340	214	-.216	.076	.182	-.646
340	215	-.107	.077	.263	-.370
340	301	-.374	.100	-.117	-.849
340	302	.107	.145	.626	-.420
340	303	.206	.130	.696	-.144
340	304	-.321	.139	.235	-.780
340	305	-.416	.122	-.077	-1.001
340	306	-.221	.086	.010	-.832
340	307	-.203	.079	.007	-.668
340	308	-.586	.159	-.120	-1.231
340	309	.136	.174	.699	-.537
340	310	.302	.123	.787	-.057
340	311	-.328	.190	.233	-.997
340	312	-.496	.173	.051	-1.165
340	313	-.204	.112	.105	-.996
340	314	-.180	.085	.087	-.709
340	315	-.439	.126	-.151	-1.029
340	316	.046	.149	.577	-.530
340	317	-.228	.100	.706	-.065
340	318	-.323	.174	.188	-1.161
340	319	-.416	.134	-.015	-1.180
340	320	-.243	.117	.067	-1.362
340	321	-.167	.082	.032	-.854
340	322	-.138	.068	.099	-.382
340	323	.077	.095	.475	-.222
340	324	.196	.091	.676	-.028
340	325	-.191	.114	.190	-.659
340	326	-.314	.097	-.028	-.950
340	327	-.139	.065	.077	-.451
350	101	-.215	.063	-.050	-.605
350	102	-.245	.083	-.061	-.751
350	103	-.238	.174	.390	-1.064
350	104	-.073	.145	.592	-.453
350	105	.115	.092	.632	-.231
350	106	.092	.057	.295	-.172
350	107	.082	.139	.620	-.402
350	108	.179	.089	.666	-.178
350	109	-.205	.058	-.026	-.461
350	110	-.167	.048	-.032	-.373
350	111	-.005	.089	.390	-.303
350	112	.280	.147	.904	-.144

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
350	113	.172	.071	.491	-.040
350	114	.123	.059	.443	-.216
350	115	.176	.153	.869	-.496
350	116	.180	.069	.500	-.211
350	201	-.249	.061	.041	-.483
350	202	-.256	.052	-.080	-.460
350	203	-.297	.060	-.015	-.550
350	204	-.290	.091	.213	-.830
350	205	-.283	.111	.249	-.640
350	206	-.195	.044	-.032	-.390
350	207	-.211	.051	-.042	-.424
350	208	-.257	.065	-.005	-.557
350	209	-.295	.107	.307	-.758
350	210	-.220	.078	.125	-.499
350	211	-.093	.057	.101	-.345
350	212	-.073	.070	.240	-.359
350	213	-.093	.081	.192	-.550
350	214	-.105	.159	.491	-.628
350	215	-.135	.102	.185	-.861
350	301	-.278	.105	.203	-.676
350	302	.255	.138	.795	-.121
350	303	.161	.101	.481	-.201
350	304	-.360	.111	.010	-.777
350	305	-.347	.110	-.027	-.835
350	306	-.222	.087	.015	-.621
350	307	-.246	.087	.014	-.635
350	308	-.468	.177	.161	-1.202
350	309	.302	.151	.941	-.109
350	310	.260	.124	.666	-.229
350	311	-.432	.154	-.003	-1.068
350	312	-.351	.164	.200	-1.190
350	313	-.191	.095	.099	-.713
350	314	-.227	.120	.116	-.798
350	315	-.456	.142	-.051	-1.138
350	316	.156	.115	.637	-.159
350	317	.251	.117	.746	-.131
350	318	-.369	.151	.044	-.927
350	319	-.352	.137	.046	-.950
350	320	-.201	.112	.329	-1.286
350	321	-.167	.093	.144	-.706
350	322	-.096	.078	.242	-.372
350	323	.080	.082	.443	-.199
350	324	.249	.093	.620	.008
350	325	-.186	.090	.064	-.552
350	326	-.313	.093	.037	-.767
350	327	-.156	.069	.072	-.477