WIND-TUNNEL STUDY OF
GATEWAY PROJECT TOWERS, SINGAPORE

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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, $\frac{((p-p_{\infty})-(p-p_{\infty})_{mean})_{rms}}{0.5\ \rho\ U_{\infty}^2}$
$C_{p_{max}}$	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
$(\ )_{min}$	Maximum value during data record

Symbol	Definition
p	Fluctuating pressure at a pressure tape 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, $\dfrac{F_Y}{A_R\ 0.5\ \rho\ U_\infty^2}$
A_X, A_Y	Principal axes of building
H	Building height
I_X, I_Y, I_Z	Building mass moment of inertia
N_X, N_Y, N_Z	Natural frequency (Hz)
K_X, K_Y, K_Z	Stiffness
λ_L	Length Scale
λ_ρ	Air density scale
λ_J	Mass moment of inertia scale
λ_K	Stiffness scale
λ_ξ	Damping scale
λ_N	Frequency scale
λ_V	Velocity scale
λ_θ	Rotation scale
λ_M	Response moment scale
λ_D	Deflection scale
λ_A	Acceleration scale
U_P	Mean gradient wind speed for prototype building

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. In flexible structures, wind induced motion may cause occupant discomfort if not anticipated during the design phase.

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.

Modeling of the building's dynamic response required that aeroelastic tests of the structure be performed. A three degrees-of-freedom model was assumed and scaled for the wind-tunnel conditions. Requirements for similarity between model and full-scale building are discussed in references (3), (4), and (5). Generally, for the three degrees-of-freedom of interest, the ratio between the aerodynamic, inertia, damping and elastic forces should be the same for the model and the prototype. To simulate the building motion, a rigid model was elastically supported by springs at its base. The base permits rotation of the model around two orthogonal axes located in the horizontal plane, and about a vertical axis. The spring stiffnesses and mass moments of inertia of the model about these axes were selected to provide a ratio of the frequencies (for the assumed degrees-of-freedom) equivalent to the full scale while providing for a convenient range of wind-tunnel velocities to ensure equivalence of the reduced velocity between model and full scale. The model is provided with a damping mechanism to apply a range of damping to the model.

1.2 The Wind-Tunnel Test

The wind engineering study was performed on a building group modeled at a scale of 1:400. The rigid building model for pressure data acquisition was constructed of clear plastic fastened together with screws. The structure was modeled in detail to provide accurate flow patterns in the wind passing over the building surfaces. To achieve similarity in wind effects the area surrounding the test building was also modeled. A flow visualization study was 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 or "piezometer" taps, was 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, were rotated 10 degrees and another set of data recorded for each pressure tap.

Data were recorded, analyzed and processed by an on-line computerized data-acquisition system. Pressure coefficients of several types were calculated by the computer for each reading on each piezometer tap and were printed in tabular form as computer readout. Using wind data applicable to the building site, representative wind velocities were 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. Also included are overall mean forces and moments on the structure obtained by integrating the mean pressures over the building's surface. Pressure contours were 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, locations were chosen at the base of the building where wind velocities were 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 dynamic response of the building was evaluated using the aeroelastic model, which was instrumented to sense base moments and accelerations at the top of the building. These measurements were made at one value of damping and approach wind velocity for each of 36 wind directions to determine building response sensitivity to different wind directions. Four wind directions, where response was large, were selected for further study. Response measurements were made at these directions for a range of reduced velocities and damping values.

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. The tunnel has a flexible roof adjustable in height to maintain a zero pressure gradient along the test section. The mean velocity can be adjusted continuously in the tunnel to the maximum velocity available.

2.2 Pressure 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. (1.3 cm) thick acrylic 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. (1.6 mm) 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.

2.3 Aeroelastic Model

The aeroelastic model was made from a thin aluminum sheet formed to the external shape of the structure and screwed to a light, rigid aluminum framework as shown in Figure 4. The model was mounted on an elastic, strain-gaged base system providing three degrees-of-freedom--two fundamental rectilinear modes in bending and a torsional mode. Details of the mounting are shown in Figure 5. The model was scaled according to the procedure outlined in reference (5). These results are summarized in Table 8, which gives numerical values for the dynamic properties-moment of inertia, natural frequency, and stiffness-of both the prototype and model. For each of these properties, the ratio of the (as built) model value to the prototype value determines the dimensionless scale λ, which is also shown in Table 8.

Determination of the remaining scale factors is summarized in Table 9. The first group of scales in this table are selected prior to, and are independent of, the design of the model. The "aeroelastic moment of inertia" λ_{JA} is the ideal moment of inertia of the model; i.e. it would result in model displacements in proper scale to the prototype displacements (according to the length scale λ_L).

The second group of scales are those determined by the dynamic properties of the model, and are taken from Table 8. Note that the actual moment of inertia scale is slightly lower than the ideal aero-elastic value. The reason for this is that it is important to maintain a constant freqency scale for all three components of motion, so that the resulting velocity scale is the same for all components. As long as the moment of inertia scale is reasonably close to the ideal "aero-elastic" value, the frequency requirement is given precedence, and is achieved by adjusting small "tuning" weights within the model.

The third group of scales are the principal ones required to interpret the model test results. Note that the rotation scale is slightly greater than unity, owing to the moment of inertia scale being slightly less than ideal. The rotation scale is considered a principal scale because both the deflection and acceleration scales are directly dependent on it, as shown in the fourth ("supplemental") scale group. Using the individual deflection and acceleration scales for each component of motion when reducing the model test results corrects for the discrepancy between the ideal and actual moments of inertia.

Three miniature accelerometers were installed at an elevation corresponding to the building's top floor to measure accelerations in each of two principal building axes and acceleration corresponding to the building response in torsion. Additional details of this system are given in Appendix B.

2.4 Model Environment

A circular area of 1600 ft. (490 m) in radius surrounding the building was modeled in detail. Structures within the modeled region were made from styrofoam and cut to the individual building geometries. The model and its surroundings were mounted on a turntable (Figure 2) near the downwind end of the test section. Any significant buildings or terrain features which did not fit on the turntable were placed on removable pieces and placed upwind of the turntable for appropriate wind directions. A plan view of the building and its surroundings is shown in Figure 6. This environment was used for both the pressure model and the aeroelastic model.

The region upstream from the modeled area was covered with a randomized roughness constructed using various sized cubes placed on the floor of the wind tunnel. Spires were installed at the test-section entrance to provide a thicker boundary layer than would otherwise be available. The thicker boundary layer permitted a somewhat larger scale model than would otherwise be possible. The spires were approximately triangularly-shaped pieces of 1/2 in. (1.3 cm) thick plywood 6 in. (15 cm) wide at the base and 1 in. (2.5 cm) wide at the top, extending from the floor to the top of the test section. They were placed so that the broad side intercepted the flow. A barrier approximately 8 in. (20 cm) high was 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. (1.2 m), 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 7. 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 36 wind directions, rotating the entire model assembly in a complete circle. Up to 184 pieces of 1/16 in. I.D. plastic tubing are used to connect 184 pressure ports at a time to four 48 tap pressure switches mounted underneath the model. The switches were designed to minimize the attenuation of pressure fluctuation across the switch. Each of the 184 measurement ports was directed in turn by the switch to one of four pressure transducers mounted close to the switch. Four pressure input ports not used for transmitting building surface pressures were connected to a common tube leading to a pitot tube mounted inside the wind tunnel which provided a means of automatically monitoring the tunnel speed. The switch was operated under control of the data acquisition system. The other four input ports were used for monitoring of the transducer zero.

The pressure transducers used are Setra differential transducers (Model 237) with a 0.10 psid (690 Pad) range. Reference pressures were 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 measured 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 was 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 were processed immediately into pressure coefficient form as described in Section 4.3 and stored for printout or further analysis.

All four transducers were 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 8. 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 Wind Velocity

Mean velocity and turbulence intensity profiles were measured upstream of the model, using a hot-film anemometer, to confirm that an approach boundary-layer flow appropriate to the site had been established. Tests were made at one wind velocity in the tunnel. This velocity was well above that required to satisfy Reynolds number similarity between the model and the prototype as discussed in Section 1.1.

In addition, mean velocity and turbulence intensity measurements were made 5 to 7 ft. (1.5 to 2.1 m)(prototype) above the surface at a dozen or more locations near the building for 16 wind directions. The measurement locations are shown on Figure 6. The surface measurements are indicative of the wind environment to which a pedestrian at the measurement location should be subjected. The locations were 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. Two reference pedestrian positions, located away from the building, were 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.

These pedestrian-level measurements were made with a single hot-film anemometer mounted with its axis vertical. The instrumentation used is a Thermo Systems constant temperature anemometer (Model 1050) with a 0.001 in. (0.025 mm) diameter platinum film sensing element 0.020 in. (0.508 mm) long. Output is directed to the on-line data acquisition system for analysis.

Calibration of the hot-film anemometer was performed by comparing output with the pitot-static tube in the wind tunnel. The calibration data were fit to a variable exponent King's Law relationship of the form

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

where E is the hot-film 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, however, used the local mean velocity as a reference.

3.4 Base Moments

The strain gages monitoring the state of stress in the springs at the base of the aeroelastic model were formed into three bridge networks--one for each of the three degrees-of-freedom of the building motion. These bridges were conditioned and monitored by Honeywell Accudata 118 Gage Control/Amplifier units which provided excitation to the bridge and amplification of the bridge output. These signals were processed through the on-line data-acquisition system described earlier. The model spring stiffness was calibrated statically. A known static moment was applied to the model and its deflection was measured. Interactions between channels--e.g., voltage in channel y due to load in direction x, were determined to be negligible. The response of the force balance was therefore considered uncoupled for each of the three degrees-of-freedom.

During test runs data were taken at a sample rate of 300 samples per second on each channel. The sample duration time was selected on the basis of repeatability of sampling runs made early in the testing phase, and corresponds to about 1 hour at full scale. The data were processed immediately to determine mean, rms, and peak loads. The data were also stored on digital tape for further analysis.

3.5 Building Acceleration

The accelerometers used in the study were Vibra-Metrics Model 1001A, weighing 1.9 grams each. Prior to installation on the model, each accelerometer was calibrated on a shaker table with known frequency and amplitude. During each data run the outputs from the three accelerometers were directed to an analog processing circuit which provided three output signals corresponding to the three degrees-of-freedom of the model. These signals were continuously monitored by the data-acquisition system; mean, rms, and peak acceleration levels for each of the three components were determined by the on-line computer. Further details regarding the processing of acceleration data are given in Appendix B.

For all aeroelastic tests, the velocity in the wind tunnel was set to the value required by reduced velocity similarity using a pitot-static tube connected to a pressure transducer. Output from the transducer was directed to the on-line data-acquisition system for immediate calculation of tunnel 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 9. 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 9. 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 9.

Profiles of longitudinal turbulence intensity in the flow approaching the modeled area are also shown in Figure 9. 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 6 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 10. Measurements were taken 5 to 7 ft. (1.5 to 2.1 m) 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 are combined with wind frequency and direction information obtained at the local airport. Table 3 shows local wind frequency by direction and magnitude. These data, usually obtained at an elevation of about 30-40 ft. (9 to 12 m), 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 11.

Interpretation of Figure 11 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 (6) and Melbourne (7). The Beaufort scale (from ref.6), 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 (5.4 mps) are of minor concern and that mean speeds above 24 mph (10.8 mps) are definitely inconvenient. Quantitative criteria for acceptance from reference (7) are superimposed as dashed lines on Figure 11. The peak gust curves shown in Figure 11 are the percent of time during which a short gust of the stated magnitude could occur (say about one of these gust per hour). Implications of the data plotted in Figure 11 are presented in Section 5.2.

Because some pedestrian wind measuring positions are purposely chosen at sites where the smoke test 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 11.

4.3 Pressures

For each of the pressure taps examined at each wind direction, the data record was 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 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. 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 (9).

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 loads shown in Table 6 have been plotted on developed elevation views of the structure, Figure 12. For control of water infiltration from outside to inside, the largest positive (inward-acting) pressure of 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 (10) 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 (11) and older references (12) 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

4.4.1 Method of Analysis. The peak value of any fluctuating quantity Q (which may be either a shear force or moment) may be expressed in two ways:

$$Q_p = \bar{Q}\, G \tag{1}$$

or

$$Q_p = \bar{Q} + k\, Q_{rms} \tag{2}$$

where Q_p, $\bar{Q}$, and Q_{rms} are the peak, mean, and fluctuating root mean square of Q, respectively. These two equations may be interpreted as the defining relations for G, the "dynamic response factor," and k, the "peak factor." The forces and moments determined in this study make use of both of these equations, and are based on data obtained from both the aeroelastic model and the pressure model.

Equation (2) is directly applicable to the aeroelastic response measurements, which consist only of moments M_p, $\overline{M}$, and M_{rms}, at the base of the building. Thus the peak factor k can be determined for each wind direction. These peak factors are then averaged, and the resulting single value of k is used to recompute the peak moments M_p. This smoothes out the variability inherent in the measurement of peak values.

Peak shear forces, and the distribution of peak shears and moments through the height of the building, are computed according to Equation (1). This becomes

$$V_p(z,\alpha) = \overline{V}(z,\alpha)G(\alpha)$$

$$M_p(z,\alpha) = \overline{V}(z,\alpha)G(\alpha)$$

The mean shear and moment as a function of height and wind direction, $\overline{V}(z,\alpha)$ and $\overline{M}(z,\alpha)$, are obtained from the pressure data. The dynamic response factor $G(\alpha)$ is obtained for each wind direction from the aeroelastic data. It is computed as the ratio of measured peak base moment (after being smoothed as discussed above) to measured mean base moment.

Details of this general procedure are given in the following two sections.

4.4.2 <u>Base Moments from Aeroelastic Response</u>. Base moment measurements on the aeroelastic model were taken in two groups. The first group includes all wind directions at 10 degree intervals, but at single constant values of wind velocity and structural damping. The hourly mean wind velocity at gradient height was 35.4 m/s, representing a mean return period of 100 years. The damping ratio (actual damping/critical damping) for motion about the three axes was ζ_x =

.007, ζ_y = .008, ζ_z = .015. This represents a low (conservative) estimate within the range normally assumed for tall steel-framed buildings.

Mean base moments corresponding to about a 1 hour average are plotted in Figure 15 as a function of wind direction, along with the mean base moments obtained from integrated pressure data (see following section). The agreement is good, and confirms the scaling and calibration of the aeroelastic model.

Measured mean, fluctuating rms, minimum and maximum base moments are plotted as a function of wind direction in Figure 16. In addition this figure indicates the corresponding deflection of the top floor computed using the stiffness of the prototype building (see Table 9). Displacements DX, DY, DZ corresponding to base moments MY, MX, MZ, respectively, are defined in Figure 14. Note that DX and DY are linear displacements, while DZ is the angular rotation about the z-axis in radians.

These data were used to compute a peak factor k for each component, using Equation (2). The peak factor is assumed to be independent of wind direction; thus the individual observations of k were averaged over all wind directions to obtain a single value for each component. These results are shown in Figure 17. Using Equation (2) again with the average peak factor for each component, "smoothed" values of the peak base moments were computed. These final results appear in Figure 18.

The second group of aeroelastic base measurements was taken to study their dependence on wind velocity and structural damping. Four wind directions were selected for this study, based on the results of the group 1 measurements. At each direction, base moments were measured at 5 different wind velocities and at two values of structural damping. A smoothed peak value was computed, as described above, for each one of these combinations. These results are presented in Figure 19.

A functionally correct relationship between peak moment M_p, and velocity u, and damping ratio ζ, for a given wind direction, could be expressed, based on Equation (2), as

$$M_p(u,\zeta) = C_1 u^2 + kC_2(\zeta)u^{\alpha(\zeta)} \quad .$$

It is much simpler, however, and nearly as accurate, to express the relationship as

$$M_p(u,\zeta) = C(\zeta)u^{\alpha(\zeta)} .$$

The continuous curve appearing in each of the graphs in Figure 19 is a regression line representing a least-squares fit of a curve of this form to the plotted data points.

All aeroelastic tests were conducted on Tower 1. The directional relationship between Tower 1 and Tower 2 is shown in Figure 3.

4.4.3 <u>Forces and Moments as a Function of Height</u>. The mean shear and moment at each floor of the building were computed from the data of building surface pressure. The force coefficient method is used to integrate this data and scale the results to a given reference pressure, or wind velocity.

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 with 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 dynamic response factor corresponding to that wind direction.

The dynamic response factor (G in Equation (1)) was obtained from the aeroelastic data shown graphically in Figure 18. For each wind direction, it is simply the ratio of peak response (the larger absolute value of maximum or minimum response) to the mean response.

After applying these adjustment factors for wind velocity and dynamic response, the forces obtained at each floor were used to obtain load, shear, and moment diagrams for the building for each wind direction. Selected diagrams are given in Figure 13, and complete numerical results are in Table 7. The shear diagram, in KN, was obtained by algebraic sum of all forces in each coordinate direction acting above the floor of interest. The load diagram, in Pa, was obtained by dividing the shear values by their contributing areas (listed in Table 7). The moment diagram, in MN-m, 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 13 for several wind directions.

4.5 Accelerations

Measurements of the top-floor acceleration were obtained directly from the aeroelastic model. In a manner similar to the base-moment study, measurements were first obtained over all wind directions at 10 degree increments, at constant wind velocity and structural damping. Based on these results, four wind directions were identified at which the total (vector sum of all components) acceleration might be significant. For each of these directions, additional tests were conducted at 3 wind velocities, ranging from approximately 13 mps to 26 mps (hourly mean at gradient height). The results of these tests are shown in Table 10.

The rms accelerations x, y, z were calculated by the on-line computer directly from accelerometer signals, as described in Section 3.4. The total rms acceleration is the square root of the sum of the squares of these three values; this relationship is derived in Appendix B.

5. DISCUSSION

5.1 Flow Visualization

Flow patterns identified with smoke showed that the highest pressures would occur near the corners of the buildings, particularly near the building roof level and near ground level. These pressures are due to flow separation phenomena and, near the roof and ground, due to vortex formation. Winds in the pedestrian environment about the base of the two buildings indicated that the highest winds were near the acute angle corners of each building. Wind speeds near building entrances appeared to be low.

5.2 Pedestrian Winds

Figure 4 shows the 21 locations selected for investigation of pedestrian wind comfort. Location 1 was selected as a reference location which would remain essentially undisturbed by presence of the two Gateway Towers in the current project. Table 2 and Figure 10 show that the largest values of mean velocity were measured at locations 19, 16, 8, 3 and 18 with values ranging from 73 to 79 percent of the mean velocity, U_∞, at the boundary layer height. Four of these locations are at the acute-angle vertices of the two towers. For comparison, the largest mean velocity measured at reference location 1 was 59 percent of U_∞; an open-country environment might expect a mean velocity of 40 to 45 percent of U_∞.

The largest value of fluctuating velocity, U_{rms}, was measured at location 5 with a value of 27 percent of U_∞. All other locations had maximum values of 23 percent or less. An open-country environment might expect a value of 10-12 percent. Values up to 25 percent are common near tall buildings. The largest values of peak gust, represented by the mean plus three rms as discussed in Section 4.2, were measured at locations 5, 8 and 21 with values ranging from 129 to 131 percent of U_∞. for comparison, the largest value at reference location 1 was 115 percent of U_∞ while an open-country location might expect an effective peak gust of 75 to 85 percent of U_∞.

Velocity data of Table 2 integrated with local wind data listed in Table 3 are shown in Figure 11. Based on the data of this figure, the windiest locations are predicted to be locations 3, 16, 18, 19, and 20. Four of these five locations are at the acute-angle vertices of the two towers. The five locations are predicted to be uncomfortable for walking less than 5 to 7 percent of the time. Other areas about the buildings are generally less windy than the reference location 1. Wind speeds near the entrances to the towers (locations 6, 7, 12, 13) are predicted to be quite low.

The results of the pedestrian wind analysis showed that the pedestrian wind environment about the Gateway Towers should be generally acceptable and that wind speeds should be of minor concern to users of the building.

5.3 <u>Pressures</u>

Table 6 shows the largest peak 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. The largest peak pressure coefficient measured on the building was - 3.66 measured at tap 1229 near the acute-angle corner on the west face of Tower 1. Other high-pressure taps were also located near the acute-angle corners on both towers. The largest pressure coefficient represented, using the 50-year recurrence wind reference pressure of Table 5, corresponds to a peak cladding pressure of - 2820 Pa. Data of Configuration B showed that repeat measurements of three of the high-pressure taps resulted in higher pressure loadings than were measured during the Configuration A data run. These differences were caused by the broad statistical distribution of the peak pressures and are within the natural variability to be expected in peak pressures near the acute-angle corners.

Figure 10 shows that most areas of the two towers had peak negative pressures (outward-acting) in the 1000 to 2000 Pa range. Most peak positive pressures were less than 1000 Pa. These rather modest wind loads were due to the relatively low wind speed selected for the design wind.

Figure 13 shows load, shear and moment distributions plotted from Table 7 for the largest loads in the X and Y directions. As is frequently the case, a base shear or moment maximum for one coordinate axis is accompanied by a substantial shear or moment for the orthogonal axis.

5.4 Forces and Moments

Base moments obtained from the aeroelastic model tests were presented in Figures 16, 18, and 19. The peak values in Figure 18 have been "smoothed" by removing the statistical variation inherent in the measurement of peak values (see Section 4.4). These data were obtained at a wind velocity corresponding to 35 m/s at full scale for all wind directions, and represent the best possible estimate of peak moments corresponding to this velocity.

To obtain the variation of moment and shear force with height, the integrated mean surface pressures were multiplied by dynamic response factors observed in the aeroelastic tests. This procedure was discussed in Section 4.4, and the results are given in Table 7. It must be noted that at certain wind directions the total mean force is near zero, and at these directions a large relative discrepancy may exist between the mean moment obtained by integrating the pressure data and that measured in the aeroelastic model. When the former is multiplied by an aeroelastically-determined dynamic response factor to obtain an estimated peak response, the same relative error exists between this estimated peak and aeroelastically-measured peak. Thus the estimated peak for these wind directions may be invalid and obviously misleading; such values have been lined out in the summary page of Table 7.

All of the results discussed thus far have been based on a wind velocity of 35 m/s, and a moderately low, damping ratio. The influence of velocity and damping for selected wind directions was presented in Figure 19.

Some general observations regarding the directional dependency of the building's dynamic response are of interest. It is a common procedure in building codes to design a tall frame based on an equivalent static load, which is computed as the actual mean, or static, load multiplied by a gust response factor. The mean load is by definition in a direction parallel to the wind, and the gust response factor is identigoverning condition; in fact, the cross-wind response of a tall building is sometimes greater than the along-wind response.

For buildings not possessing radial symmetry, the maximum response - both mean and dynamic - generally occurs at some intermediate wind direction. This is indeed the case for the Gateway Towers, as shown by the aeroelastic response data of Tower 1.

Consider the response of Tower 1 about the x-axis (motion parallel to the short axis), referring to Figures 16 and 14. The maximum mean response occurs at wind direction (WD) 220°, and is generally largest from about 190° to 220°. This is nearly the along-wind direction, but is shifted counter-clockwise slightly so that the short oblique building face appears more nearly broadside. The fluctuating response is also fairly high at these wind directions due to gust buffetting, and the resulting peak moments represent governing conditions. Similar data would ordinarily be expected when the wind is exactly opposite this direction, i.e. 10° to 50°. Due to the shielding offered by Tower 2, however, which is directly upwind at these directions, the mean response is dramatically reduced. At WD 50°, in fact, Tower 1 lies directly in the wake of Tower 2, and is even drawn slightly towards Tower 2. The peak response is nearly as high as at WD 220°, however, in contrast to the mean; this is due to the large amount of turbulence in the wake. The net effect is that neither tower offers any real protection for the other; in fact the fluctuating response, and therefore acceleration, is maximum here. There is also a high fluctuating response at WD 270° to 300°, which is essentially a cross-wind response. The mean response is displaced somewhat from zero, because the building's shape acts as an airfoil with positive lift. The shape is not entirely streamlined, however, and the flow certainly separates from it as it rounds the left-hand corner. This results in an unstable lift force, an effect referred to as stall flutter in an airfoil. Thus the peak response, though not governing, is abnormally high at this wind direction.

Response about the y-axis is similar, as can be seen in Figure 16. The maximum response, both mean and peak, occurs near WD 0° or 180°, which is shifted away from the along-wind direction. This is entirely due to the shape of the building, which is relatively streamlined in the along-wind direction. The y-response is determined almost entirely by the pressure on the short oblique building faces, which would be maximum when the wind direction is perpendicular to these faces. This occurs at WD 5° and 185°. When Tower 2 is upstream, at WD 50°, the y-response is affected just as the x-response was: near zero mean, due to shielding, but very high fluctuations, due to turbulent wake buffetting. The peak response, in fact, is equal to that at 0° and 180°.

The torsional response of Tower 1, shown in Figure 16, can be explained with the aid of Figure 20. Figure 20 (a) indicates the effect of a wind normally incident on a rectangular building. A zone of negative pressure, indicated by arrows, exists in the region of separated flow immediately behind the two windward corners. If the wind is now shifted a small amount as indicated in (b), the pressure in these two areas becomes unbalanced, with the high negative pressure occurring on the lower side as shown. This inbalance results in a positive tortional moment M_Z.

This negative pressure is a result of the flow's effort to "turn the corner"; the flow is separated and must eventually return to the building surface, or at least return to its original line of flow. It is the negative pressure which causes the streamlines to bend and be drawn back towards the surface; in fact the magnitude of the pressure is proportional to the curvature of the streamlines.

If the shape of the building were a parallelogram, as shown in (c), this effect would be much reduced. The shape is now more streamlined for this wind direction, and the degree of separation is much less. Instead, the phenomena is more dominant if the wind were in its original direction as in (d), i.e. more nearly perpendicular to the windward face. In (d) the actual wind directions as they apply to Tower 1 are indicated, and it can be seen that this effect would occur at WD 140° just as at 320°, and also at 90° or 270° in which case the induced torsional moment would be negative. Referring to Figure 16, this is precisely what the data indicates.

5.5 Accelerations

It is generally agreed that acceleration provides the best measure of possible human discomfort due to motion in tall buildings; however, there is a very little data available by which this issue can be judged quantitatively. The best guidelines currently available are due to two research studies. Reed et al (15) measured the acceleration response of two buildings in two separate storms, and evaluated the corresponding human response through questionnaires and interviews with the building's occupants. Conclusions were drawn as to how often the measured levels of acceleration could occur with a given level of objection. In the second study, Chen and Robertson (16) simulated an office environment within a cubicle which could be moved horizontally. The intent of this program was to determine the minimum level of acceleration which could be sensed by humans. This "threshold of perception" was found to vary with many factors, including inherent variation from person to person, whether the person had been previously conditioned to the type of motion, and the frequency of motion. A procedure was presented by which any desired threshold level--in terms of percentage of an average cross section of people responding--can be estimated, as a function of frequency.

To compare these results to the predicted motion levels of the Gateway Tower 1, the acceleration data of Table 10 has been plotted in Figure 21. These graphs show various levels of total rms acceleration on the top floor (as derived in Appendix B) plotted against the number of times per year that such a level is expected to occur, for four different wind directions. Two plots are given, corresponding to two different values of structural damping. The exact damping which will be present in the completed building cannot be predicted, but will almost certainly be between these two extreme values.

The horizontal dashed lines in the lower right-hand corner represent acceleration levels, computed for the average natural frequency of the building, representing the lower limit of perception by 2 percent and 10 percent of the average population. The figures indicate that, even at the lowest value of damping, 2 percent of the top floor occupants will be able to perceive the motion no more than one or two times per year.

The solid data points so indicated represent suggested design criteria based on reference (15). They represent top-floor acceleration levels at which 2 or 10 percent of the occupants in the top one-third of the building would find "objectionable" (as opposed to perceivable) if it occurred at the frequency indicated. According to this criteria, the building's motion is expected to be within comfortable limits. In an extreme situation, 2 percent of the top-floor occupants might detect motion about once per year for winds with an azimuth of approximately 100 degrees.

At very low frequencies of occurrence (i.e., high acceleration levels) no data are available by which to judge the human response issue. It is generally agreed, however, that performance-type criteria such as occupant comfort should be based on events which occur relatively frequently, say at least once per year.

In conclusion, therefore, the building motion is expected to be generally acceptable, even at a very low value of damping. At a more probable value of damping, the motion level should be acceptable to more than 98 percent of the building's occupants. The motion should be perceivable, if at all, no more than once per year for 2 percent of the top floor occupants. Finally, it is cautioned that these conclusions are based on a very limited amount of research and field data, which nevertheless represent the best criteria available. It is expected that no problems should be experienced due to wind induced motion.

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FIGURES

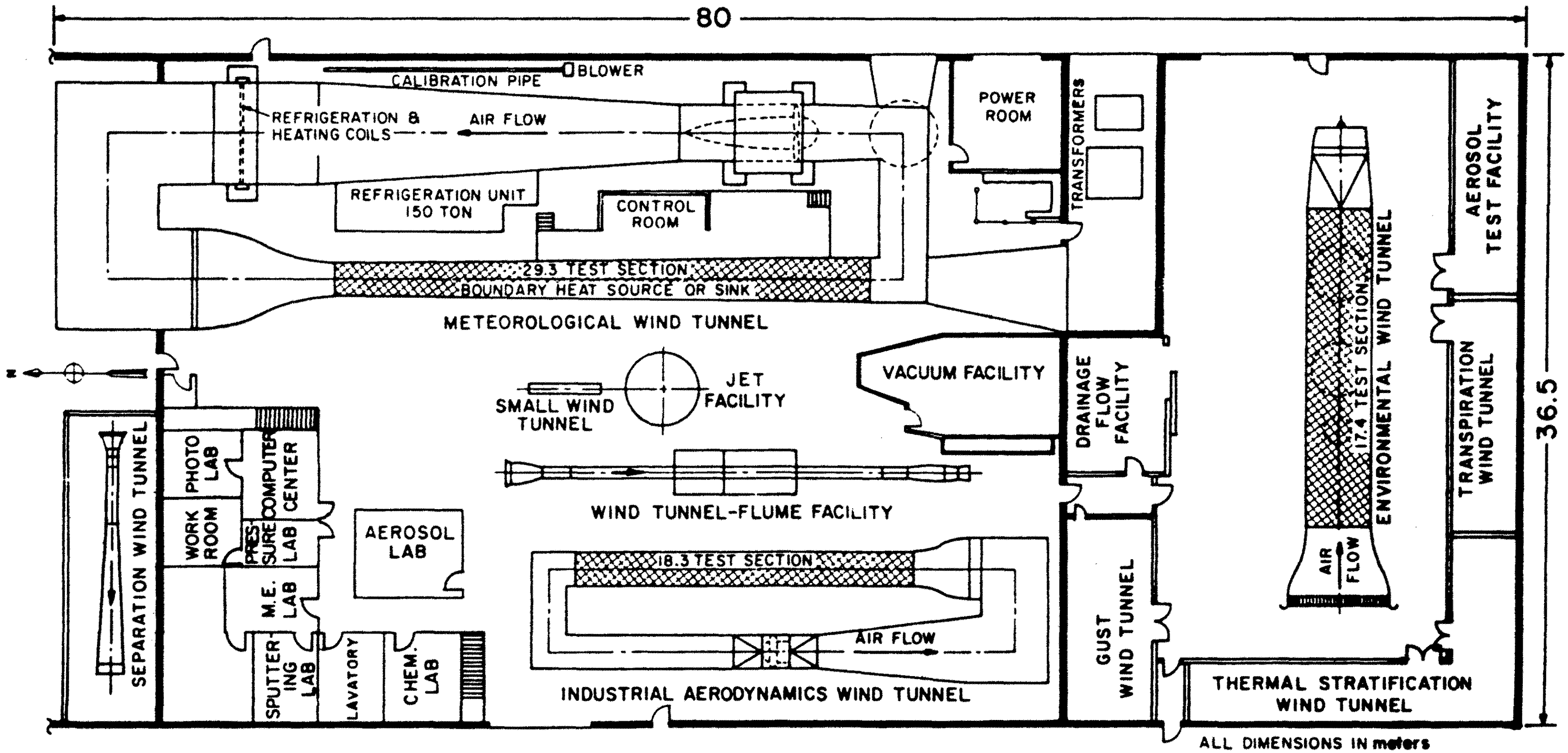
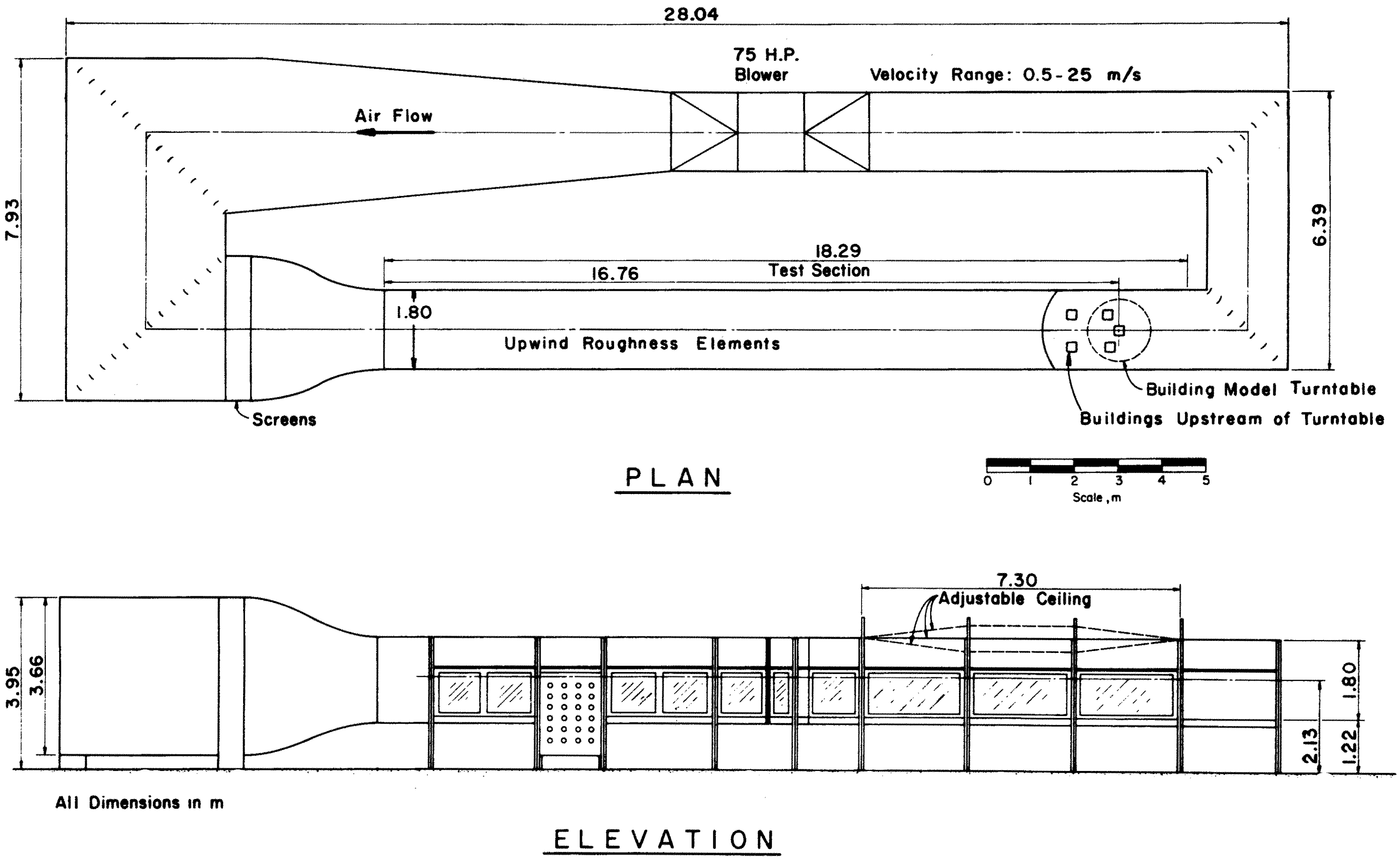
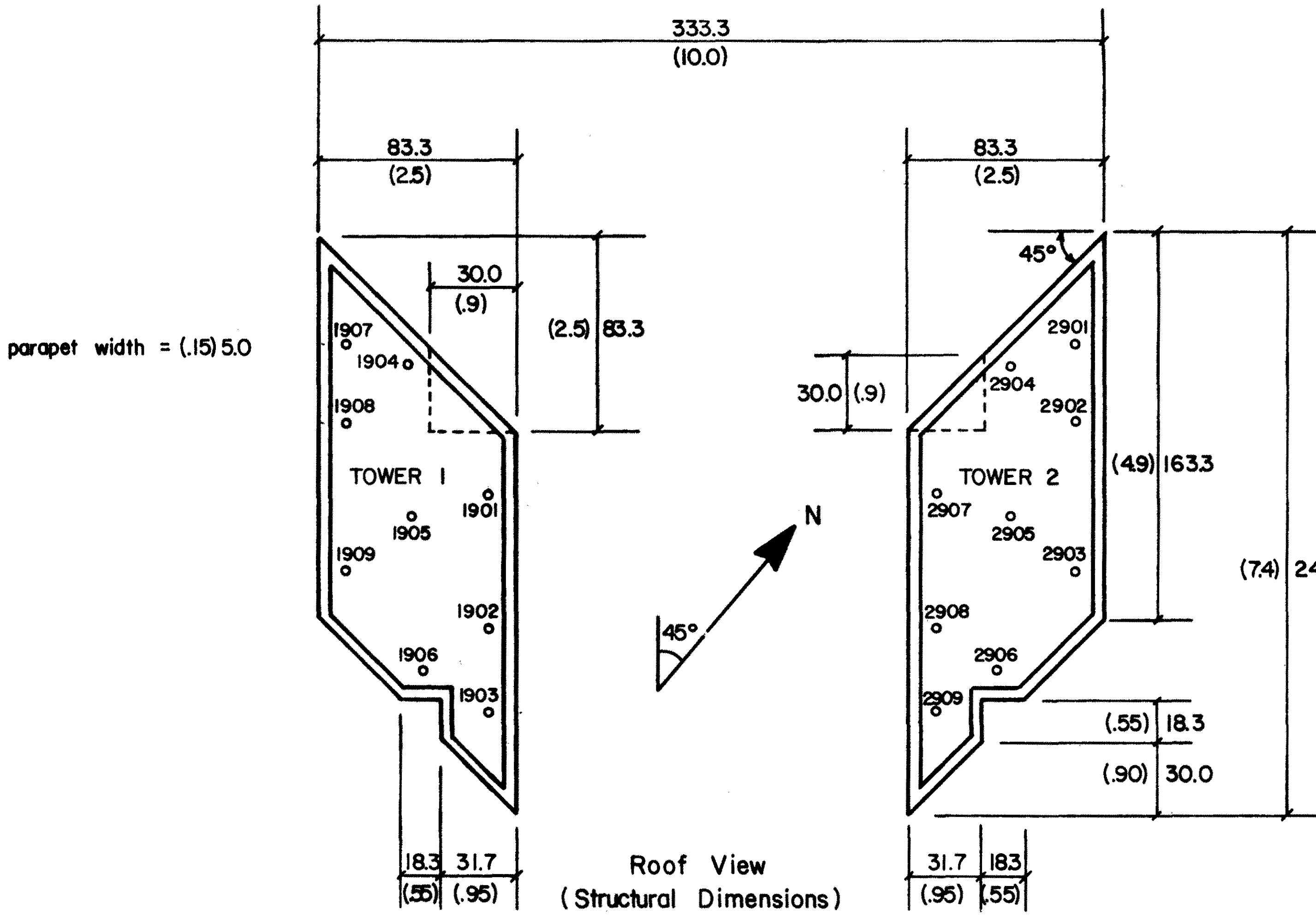


Figure 1. FLUID DYNAMICS AND DIFFUSION LABORATORY
COLORADO STATE UNIVERSITY



INDUSTRIAL AERODYNAMICS WIND TUNNEL

Figure 2. Wind-Tunnel Configuration



Model scale = 1/400
Dimensions in full scale feet
and model inches.

Figure 3a. Pressure Tap Locations

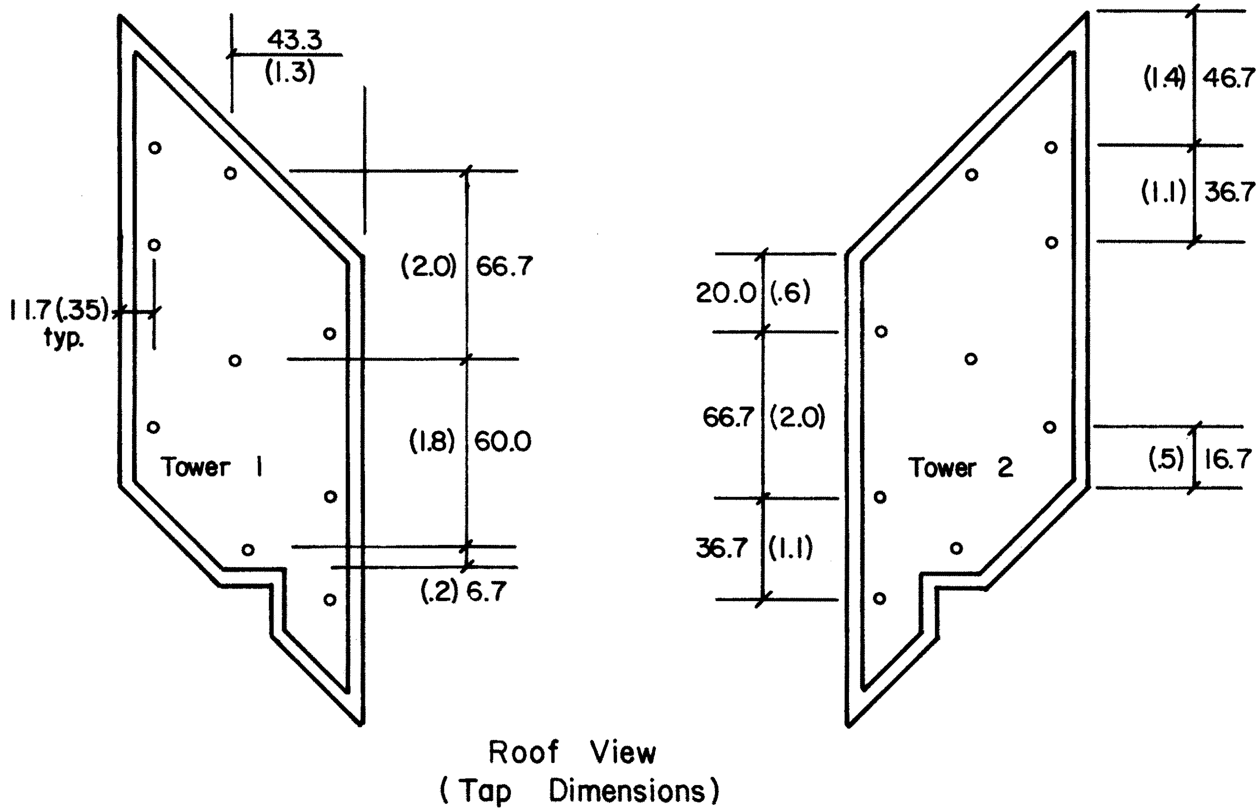
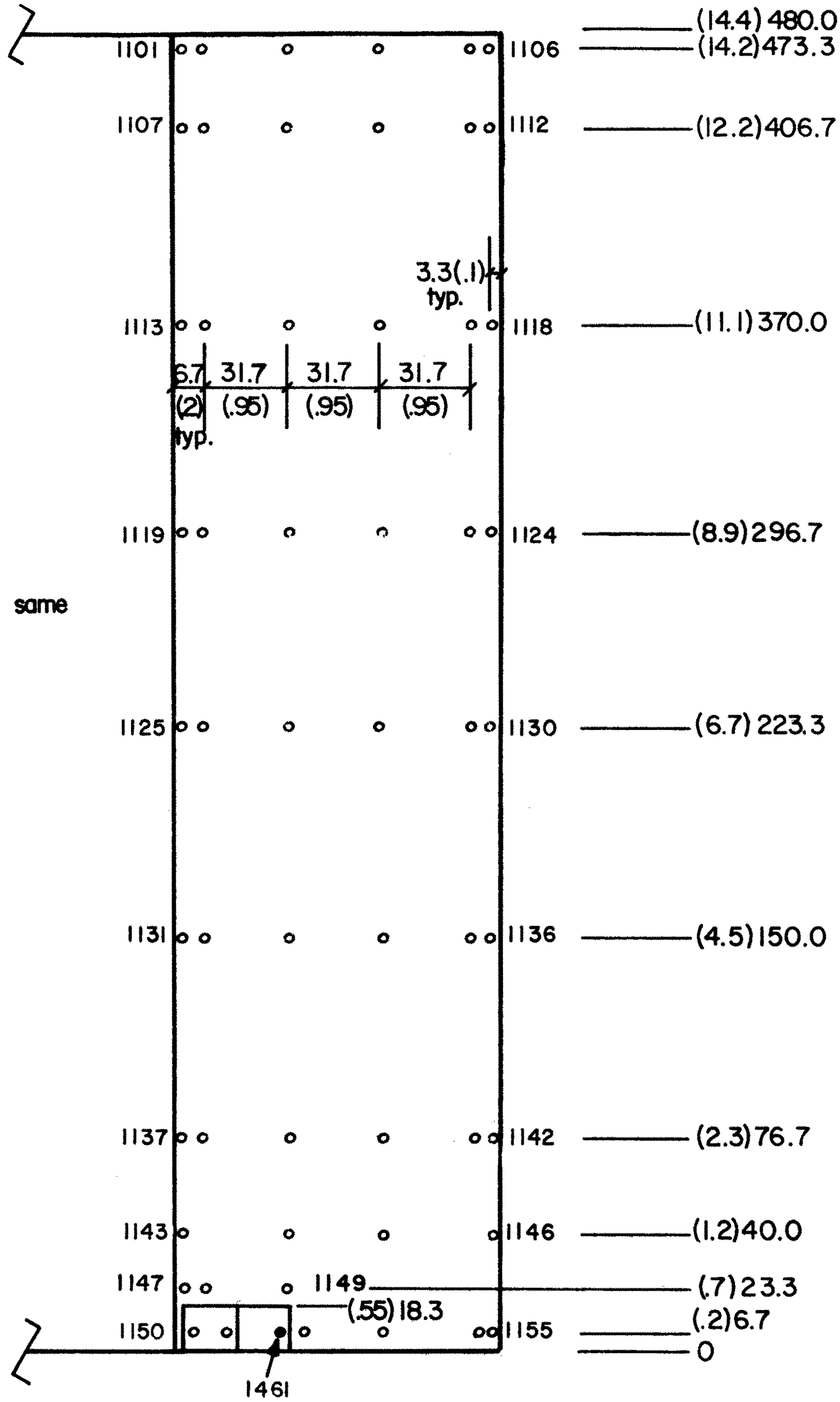


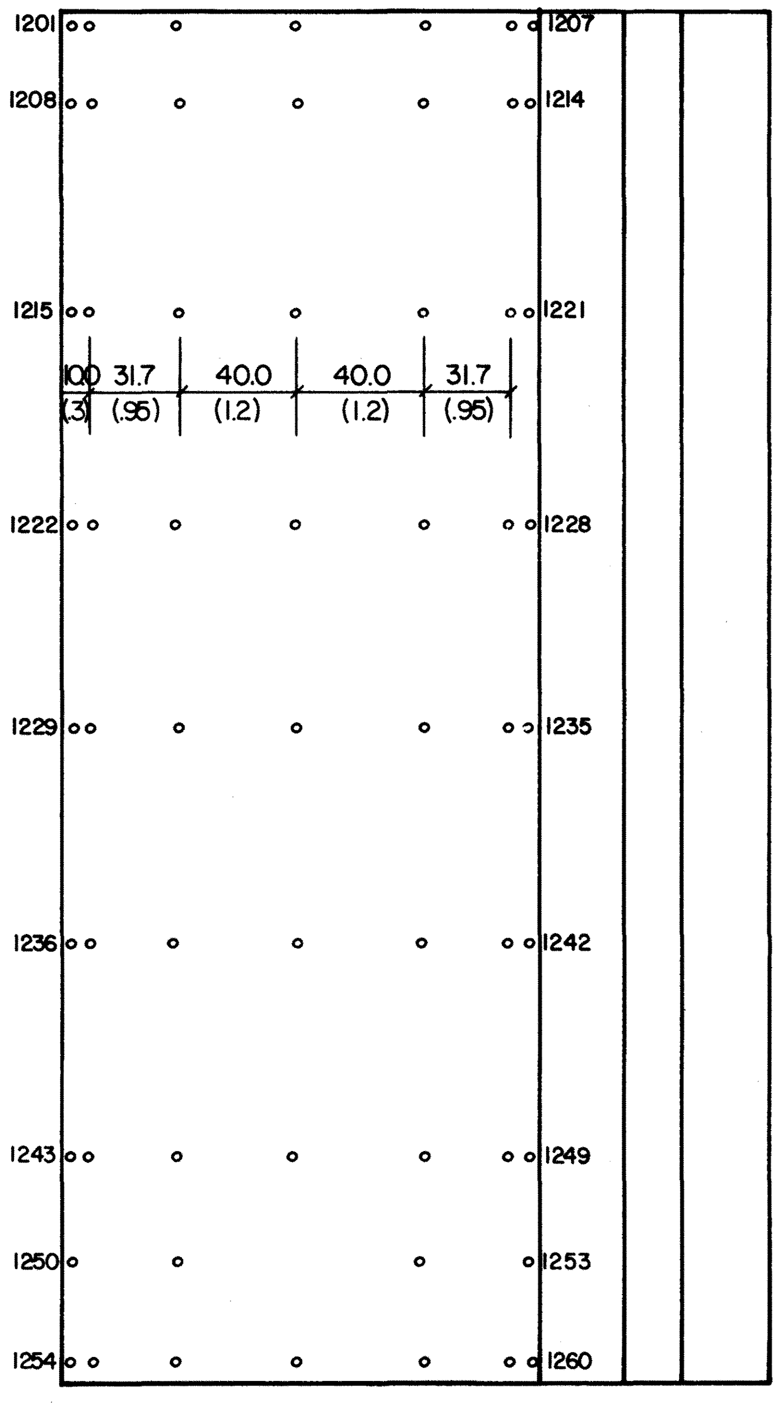
Figure 3b. Pressure Tap Locations



Note:
Tap elevations are the same for all views

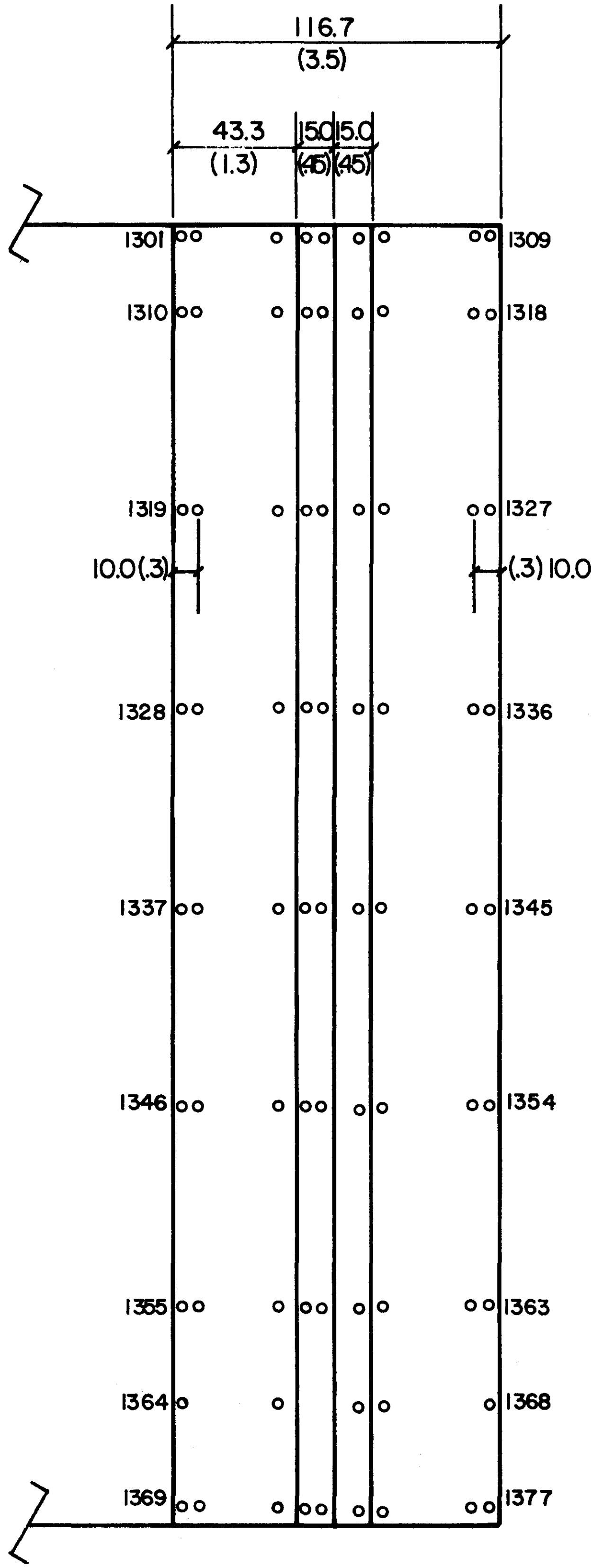
Tower I — North Elevation

Figure 3c. Pressure Tap Locations



Tower 1 - West Elevation

Figure 3d. Pressure Tap Locations



Tower 1 - South Elevation

Figure 3e. Pressure Tap Locations

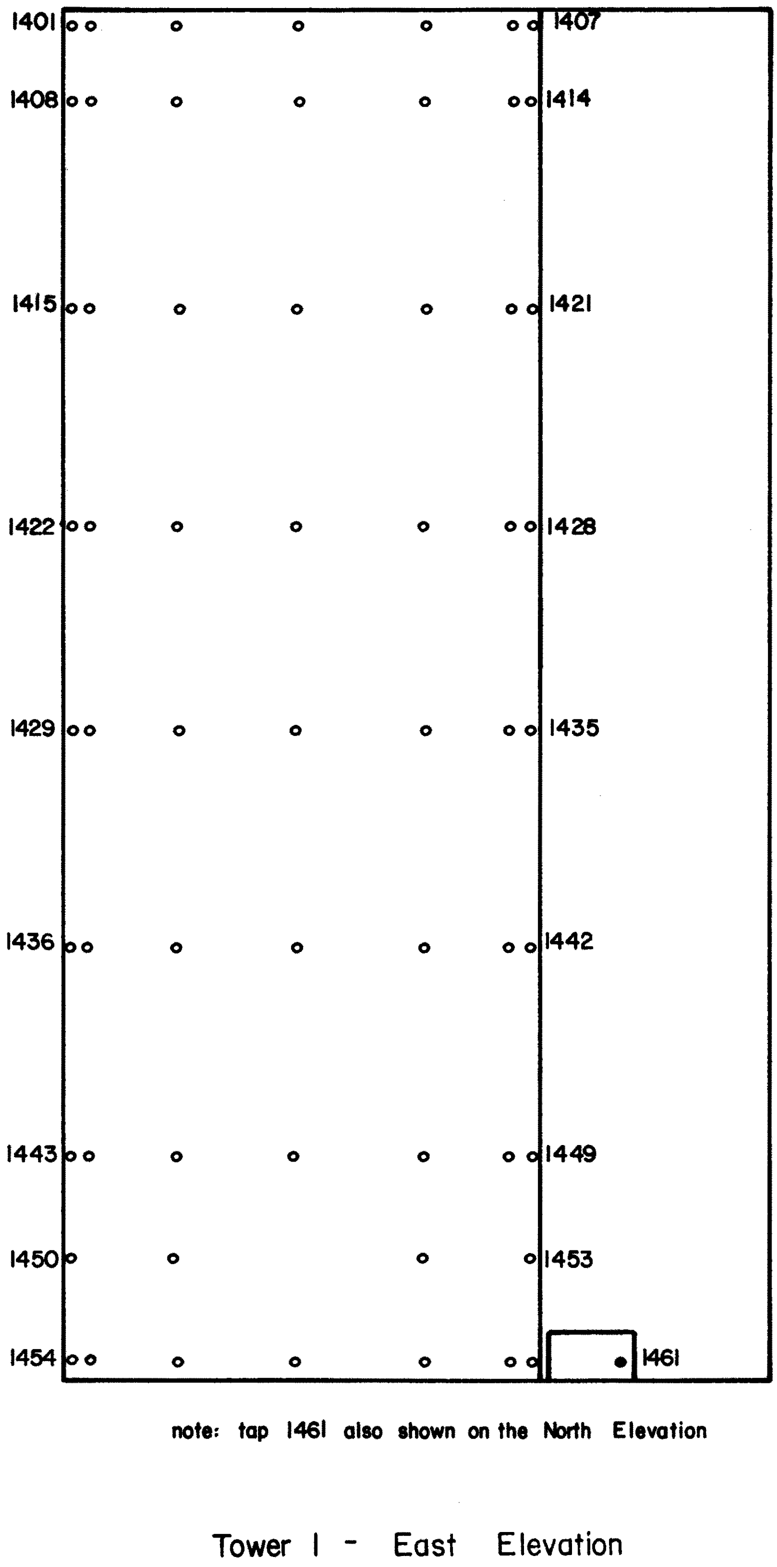
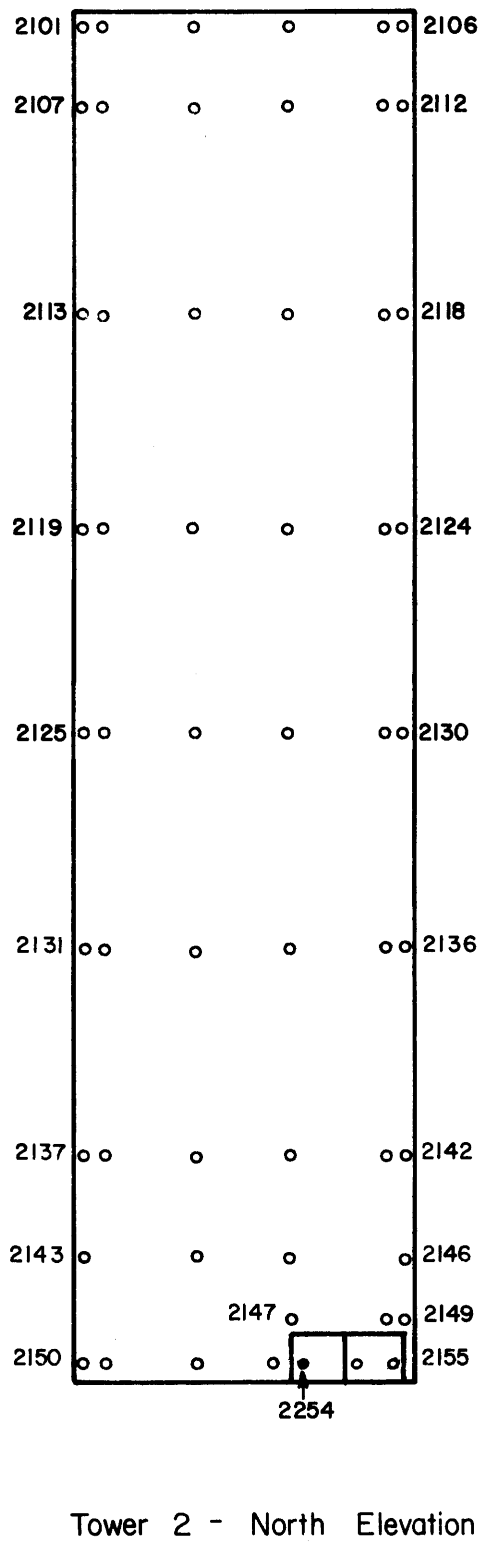
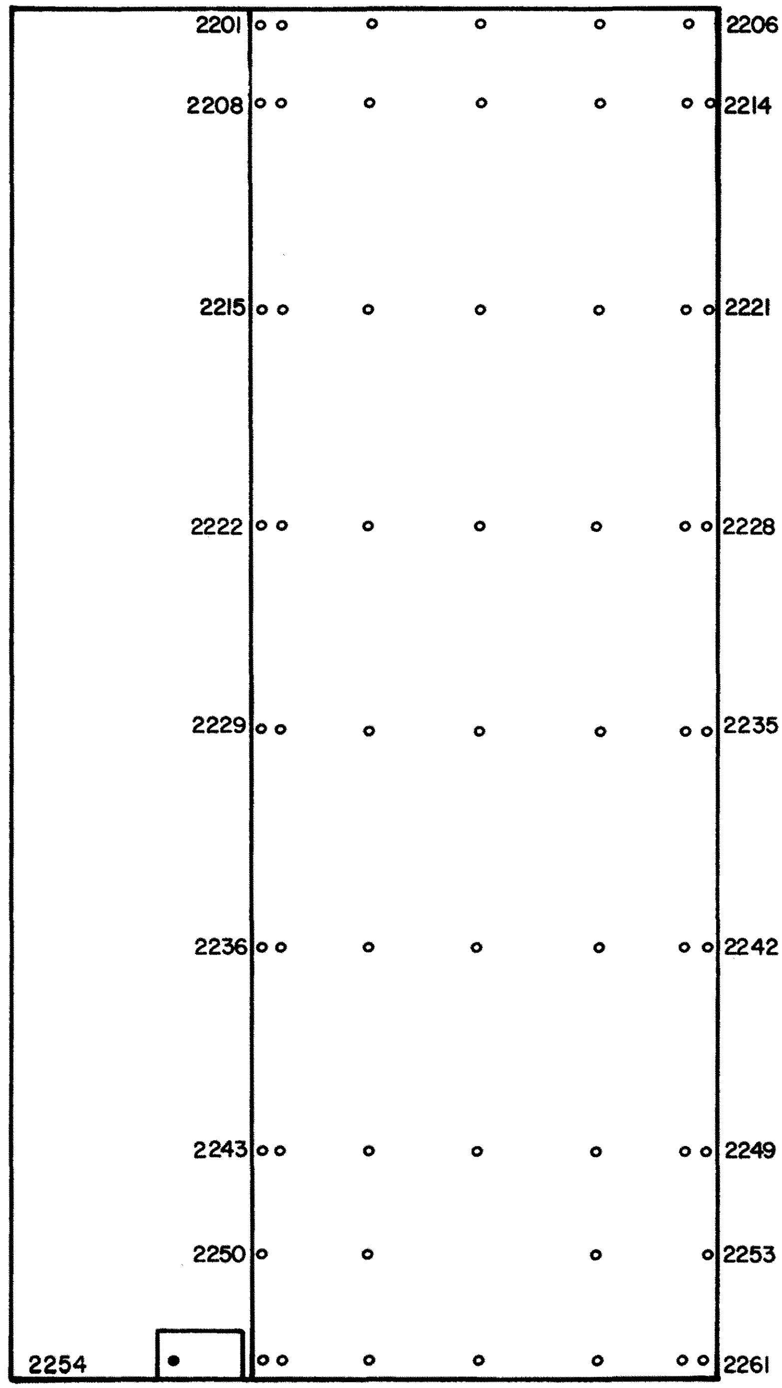


Figure 3f. Pressure Tap Locations



Note:
Tap locations and dim
the same for tower 2

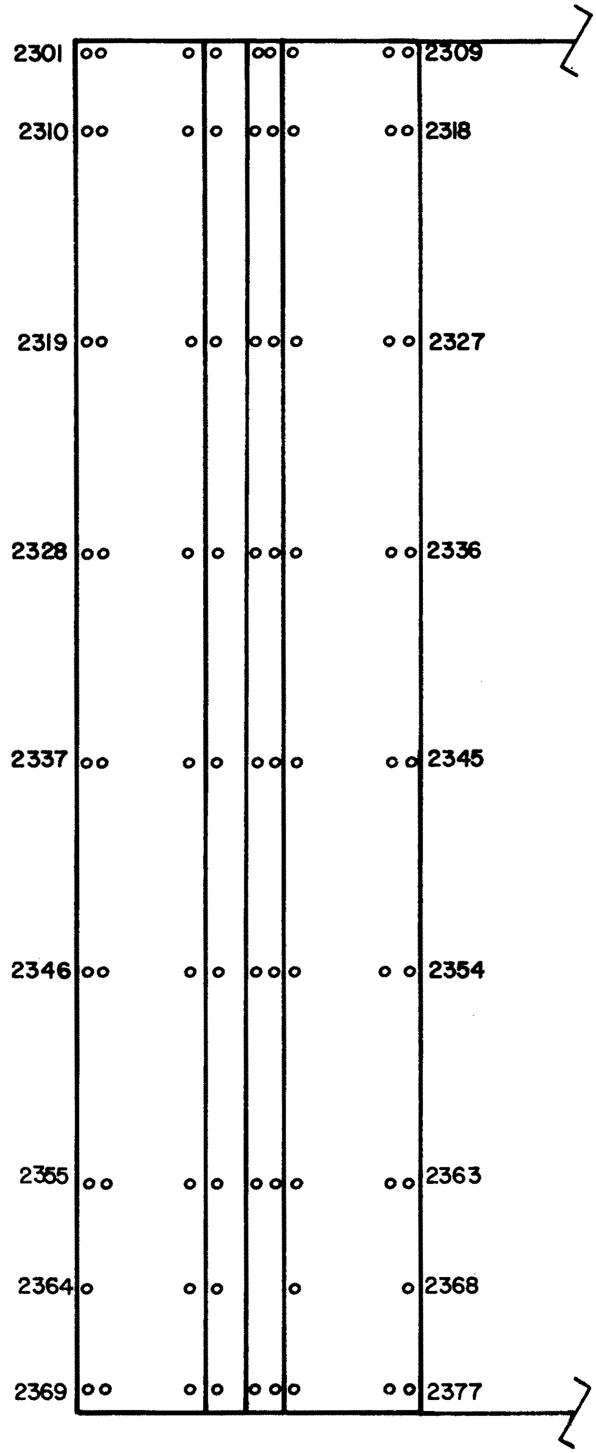
Figure 3g. Pressure Tap Locations



note: tap 2254 also shown on the North Elevation

Tower 2 - West Elevation

Figure 3h. Pressure Tap Locations



Tower 2 - South Elevation

Figure 3i. Pressure Tap Locations

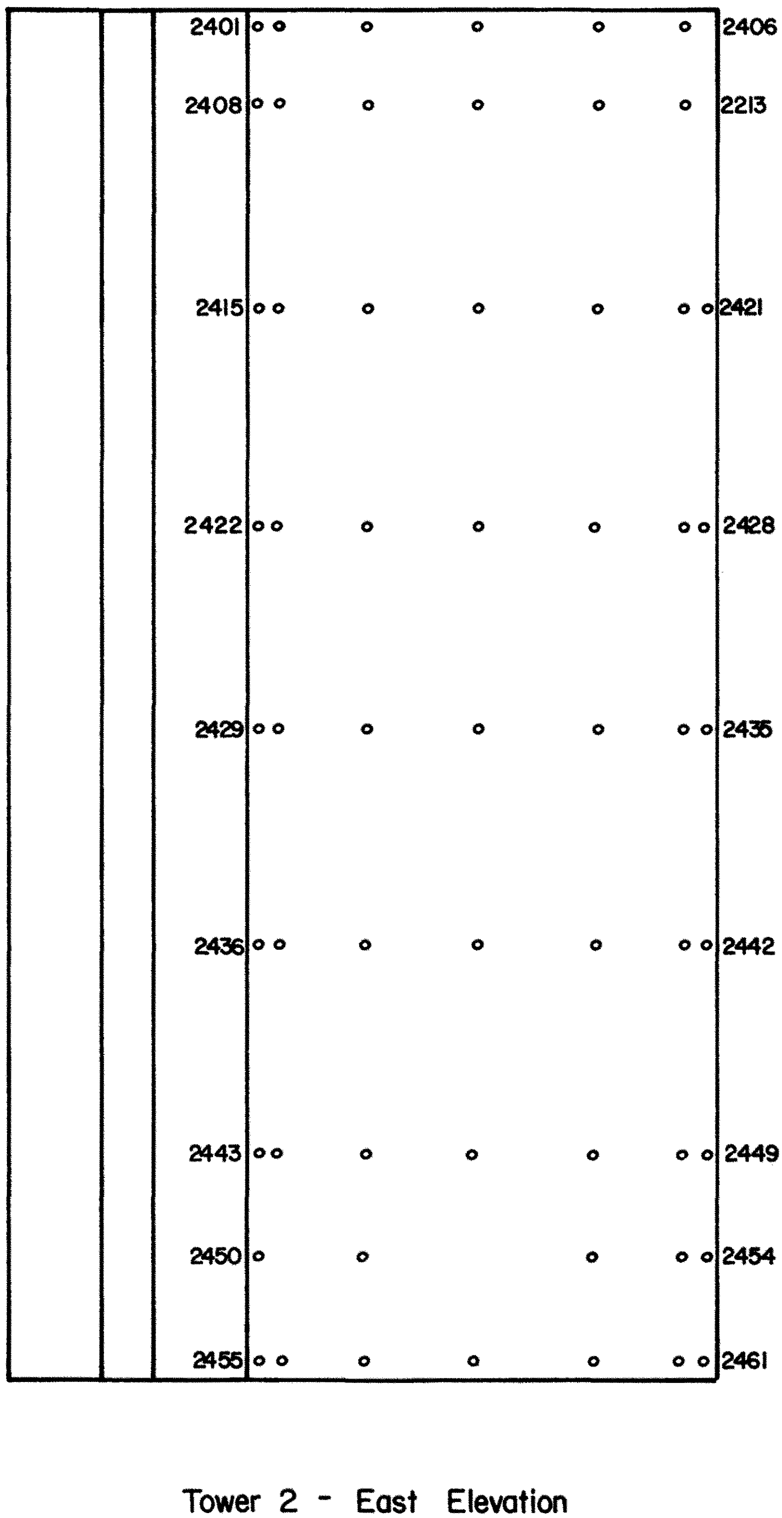


Figure 3j. Pressure Tap Locations

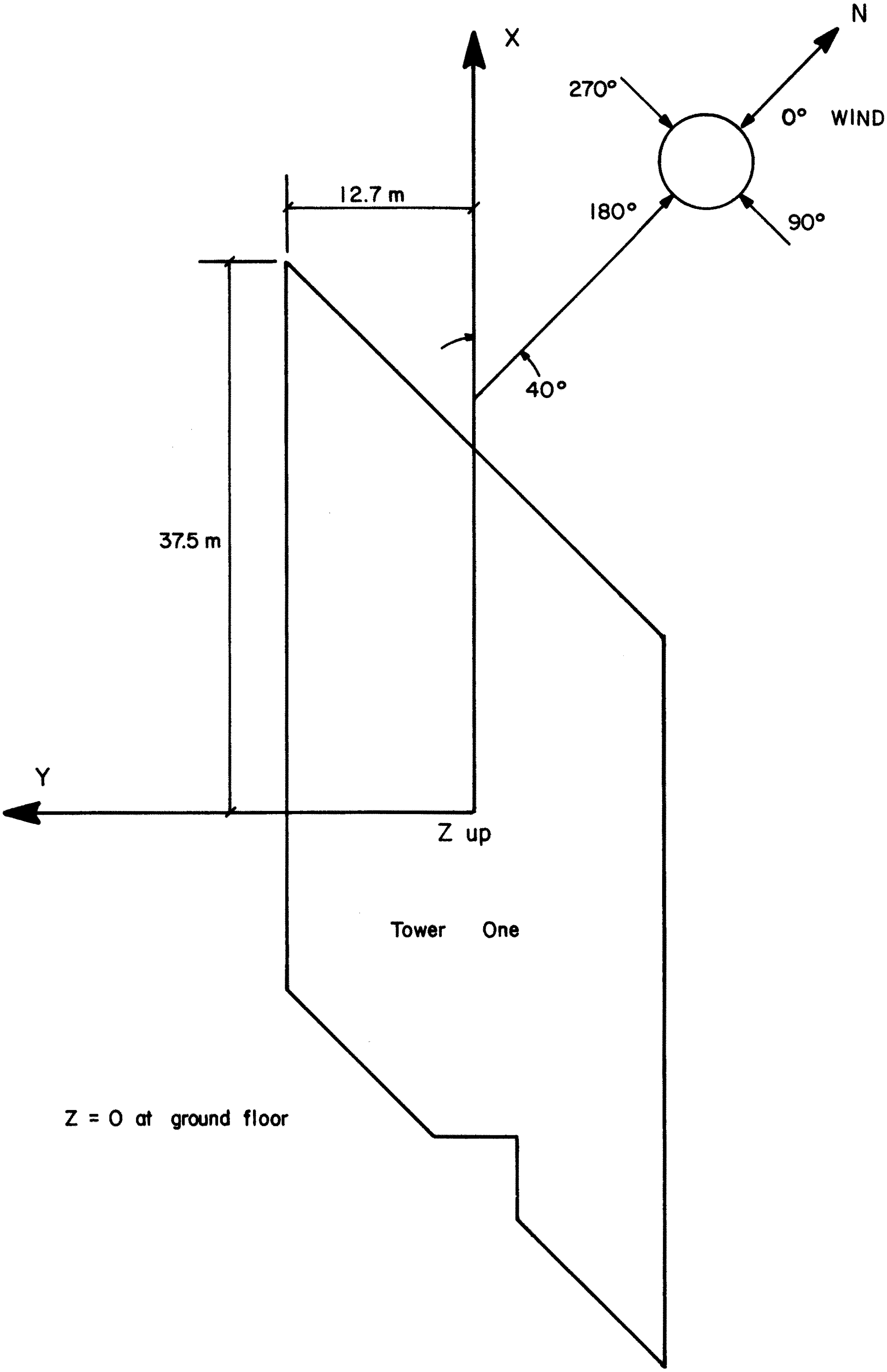


Figure 3k. Pressure Tap Locations

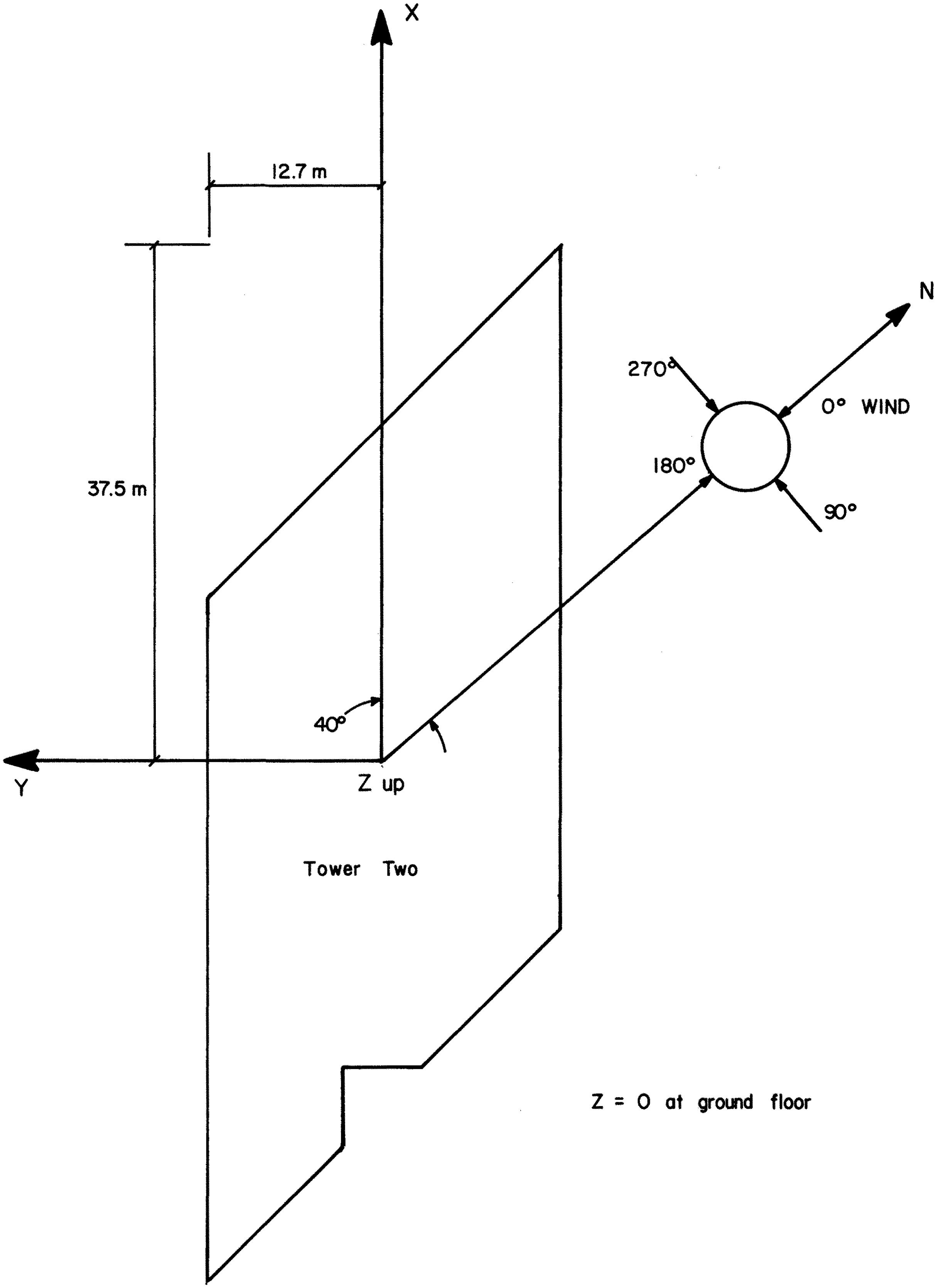


Figure 31. Pressure Tap Locations

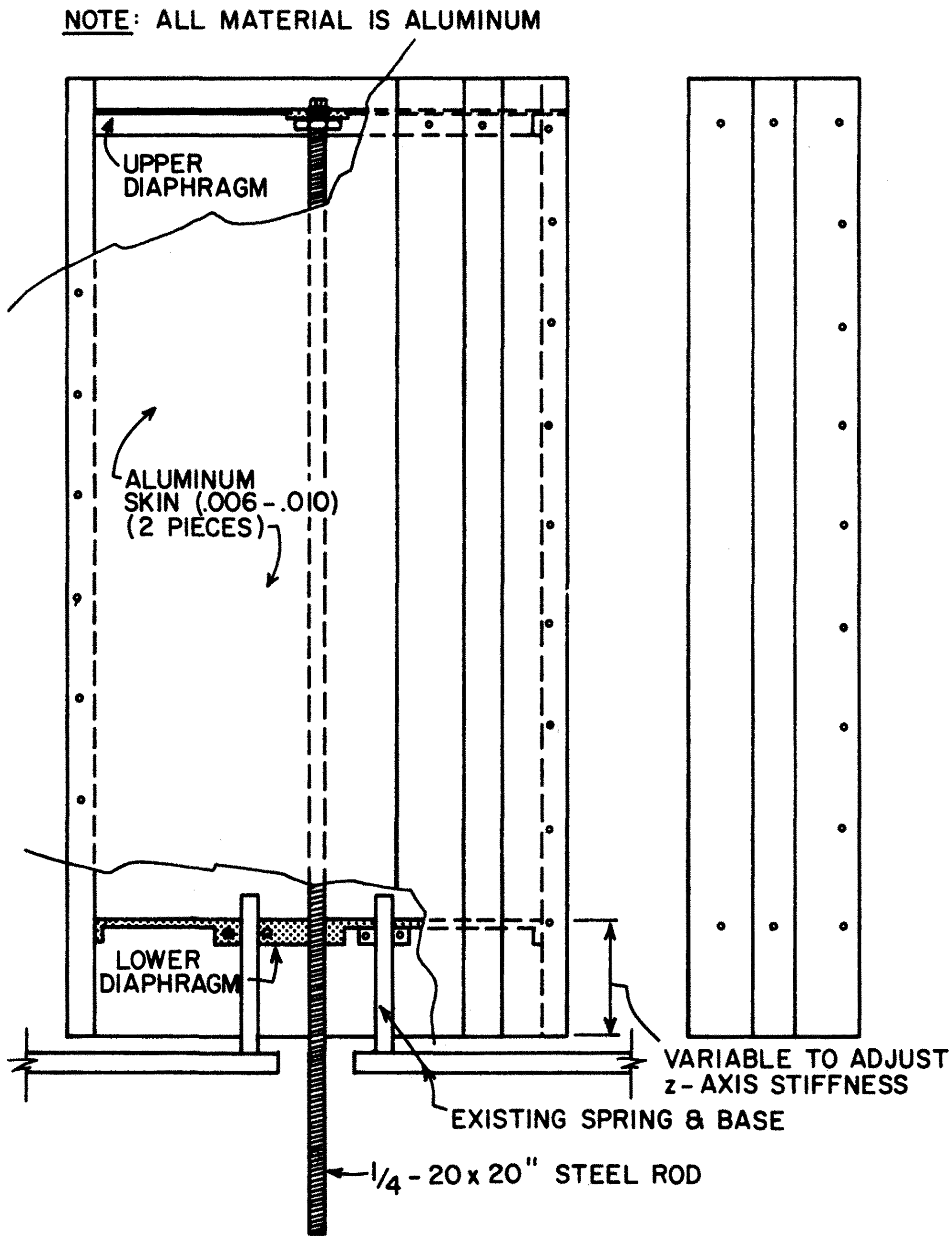


Figure 4. Aeroelastic Model

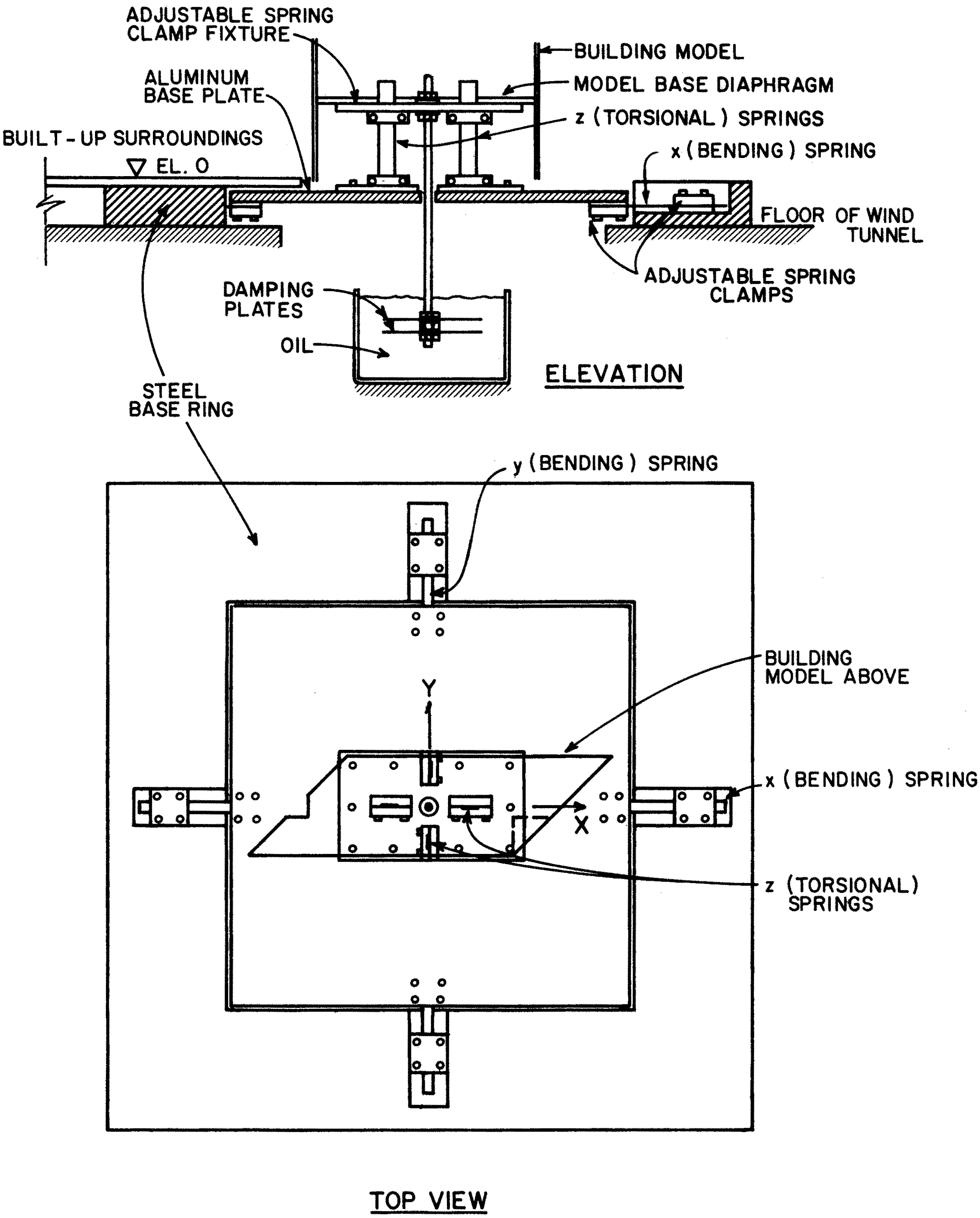


Figure 5. Base Fixture for Aeroelastic Model

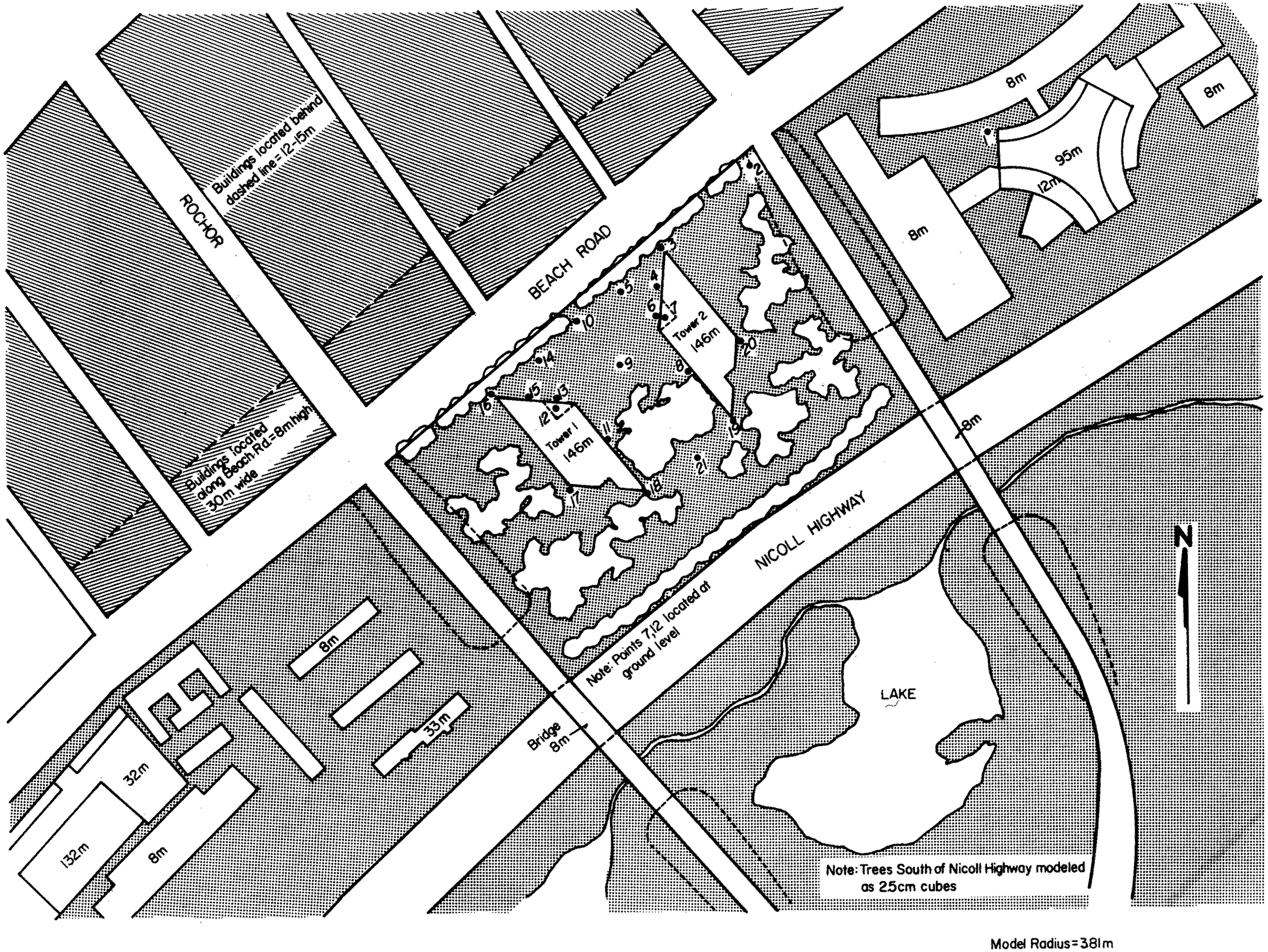


Figure 6. Building Location and Pedestrian Wind Velocity Measuring Positions

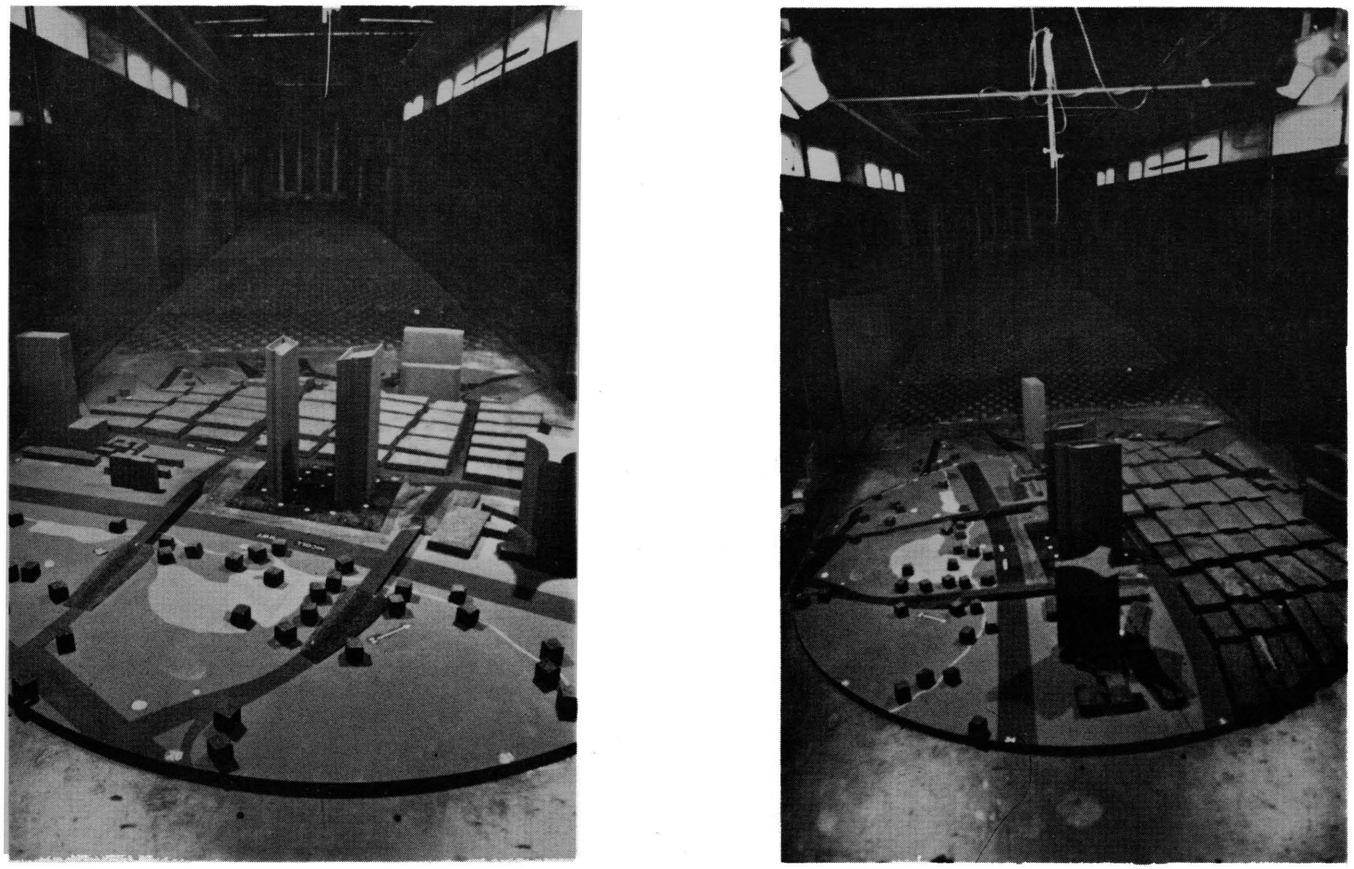


Figure 7. Completed Model in Wind Tunnel

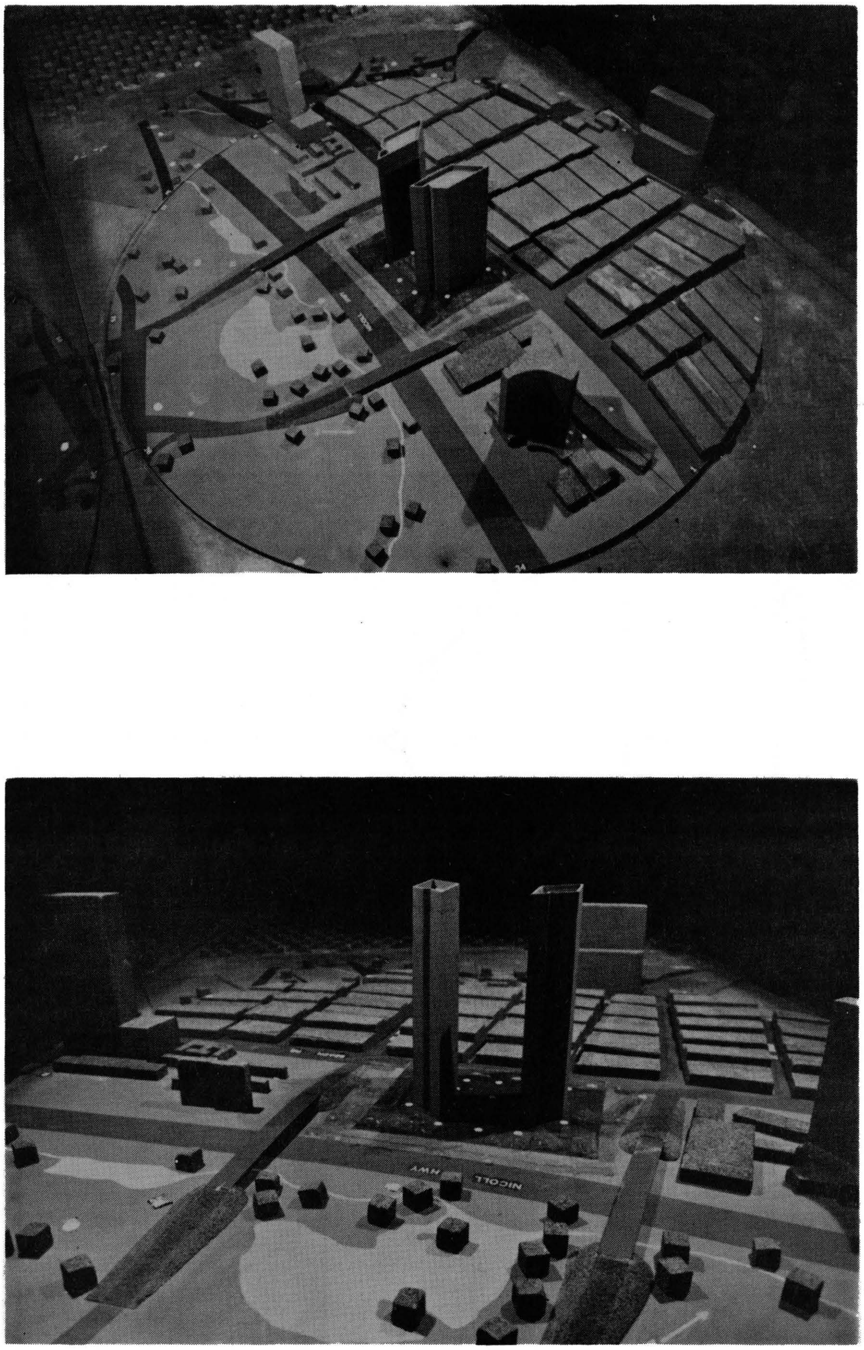


Figure 7. Completed Model in Wind Tunnel

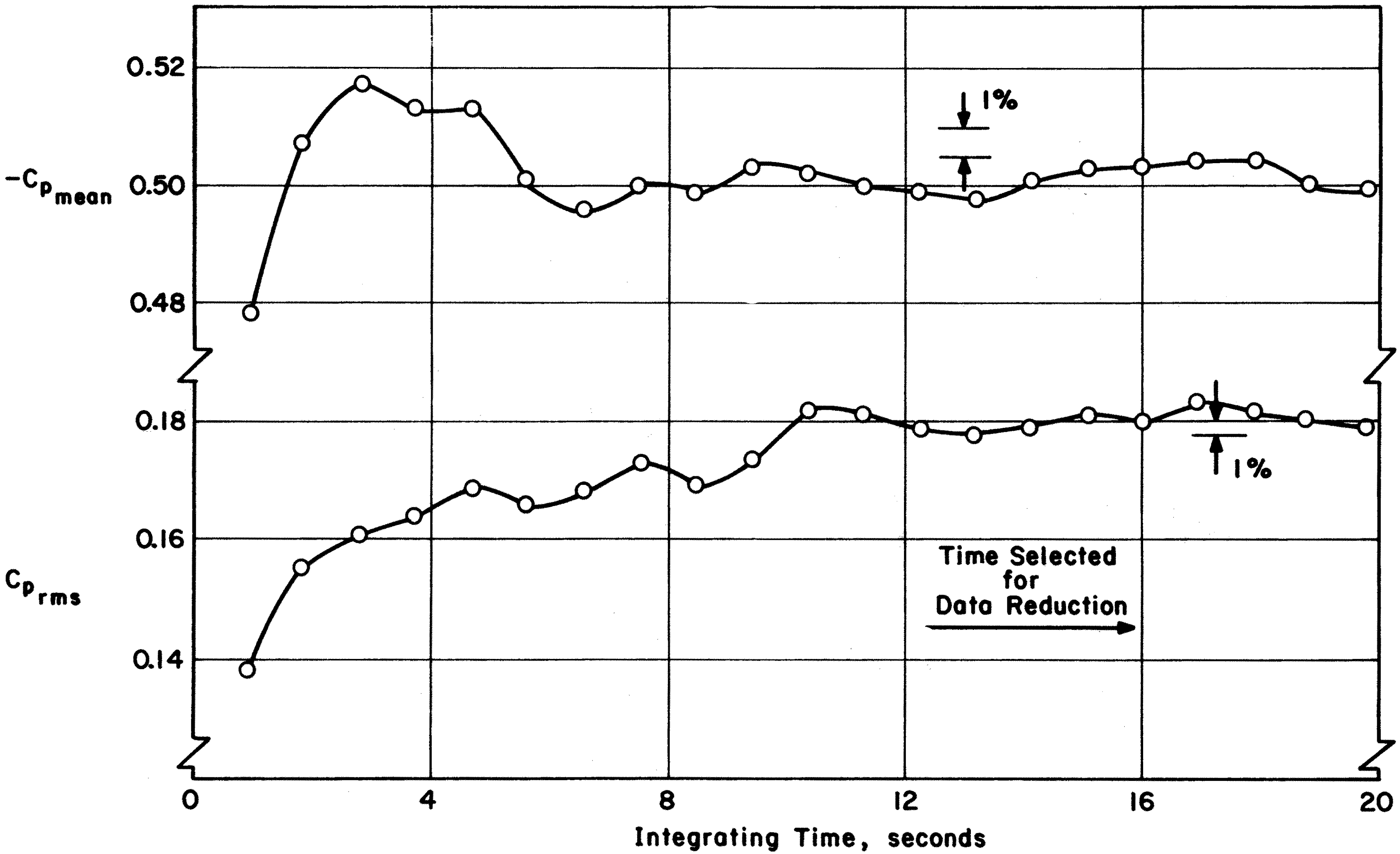


Figure 8. Data Sampling Time Verification

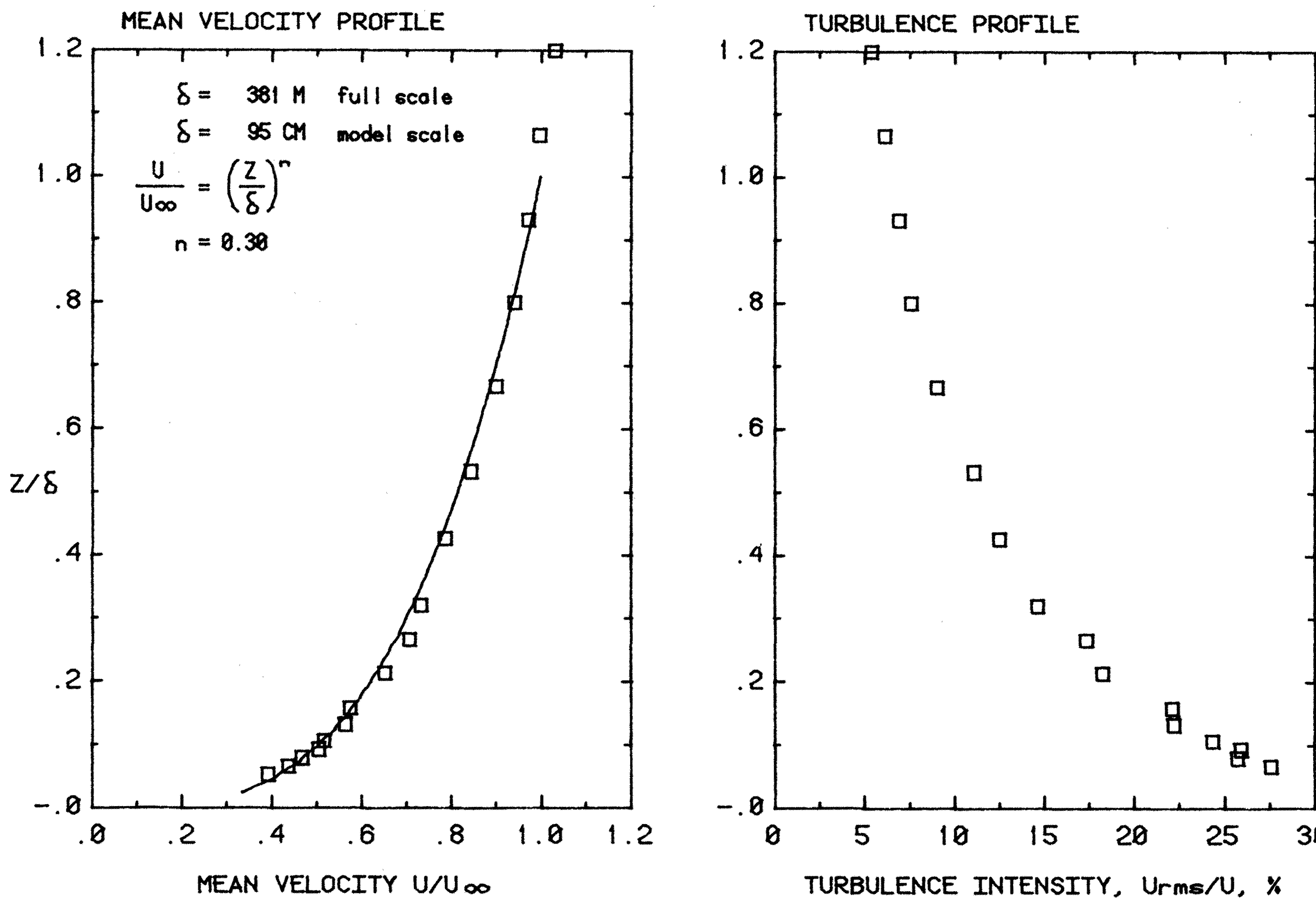
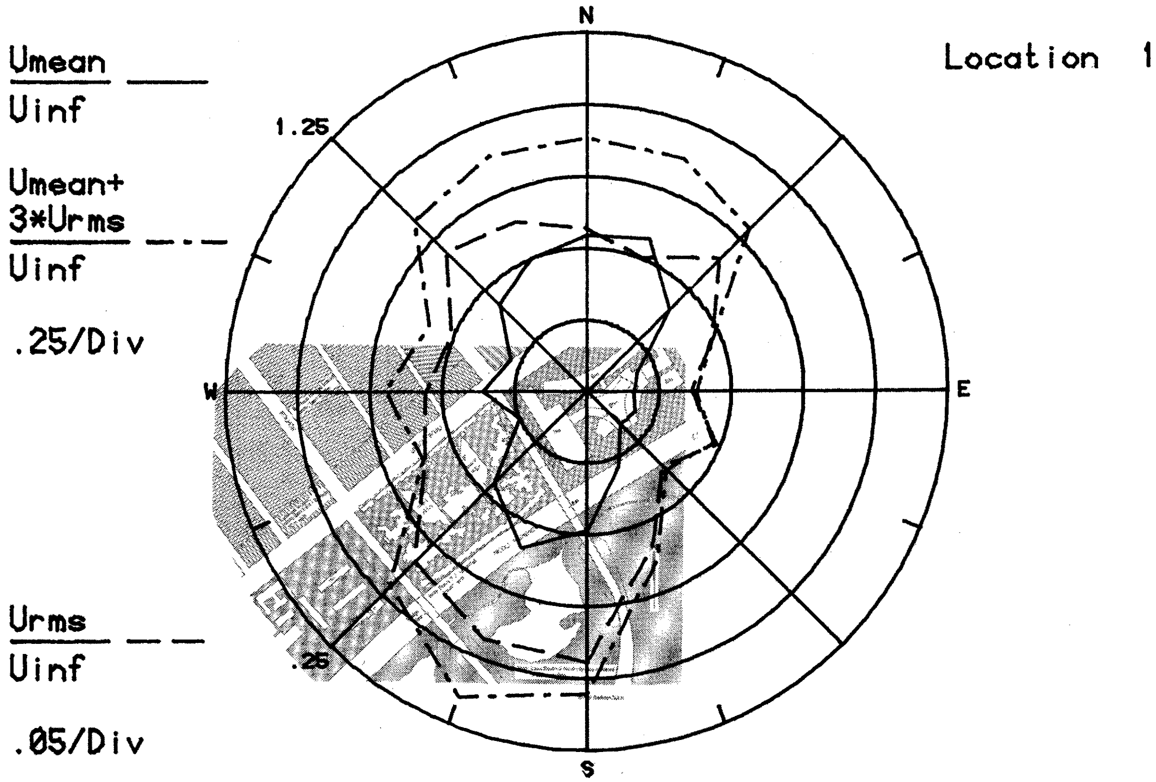


Figure 9. Mean Velocity and Turbulence Profiles Approaching the Model



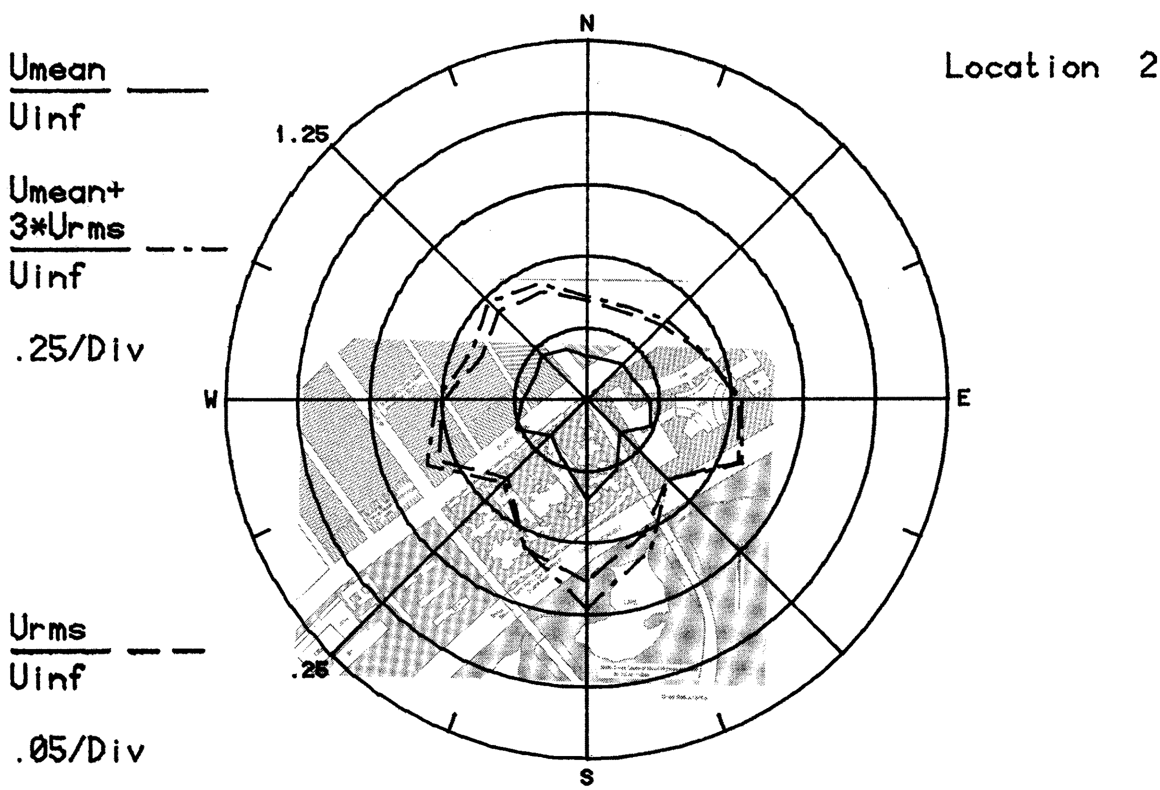
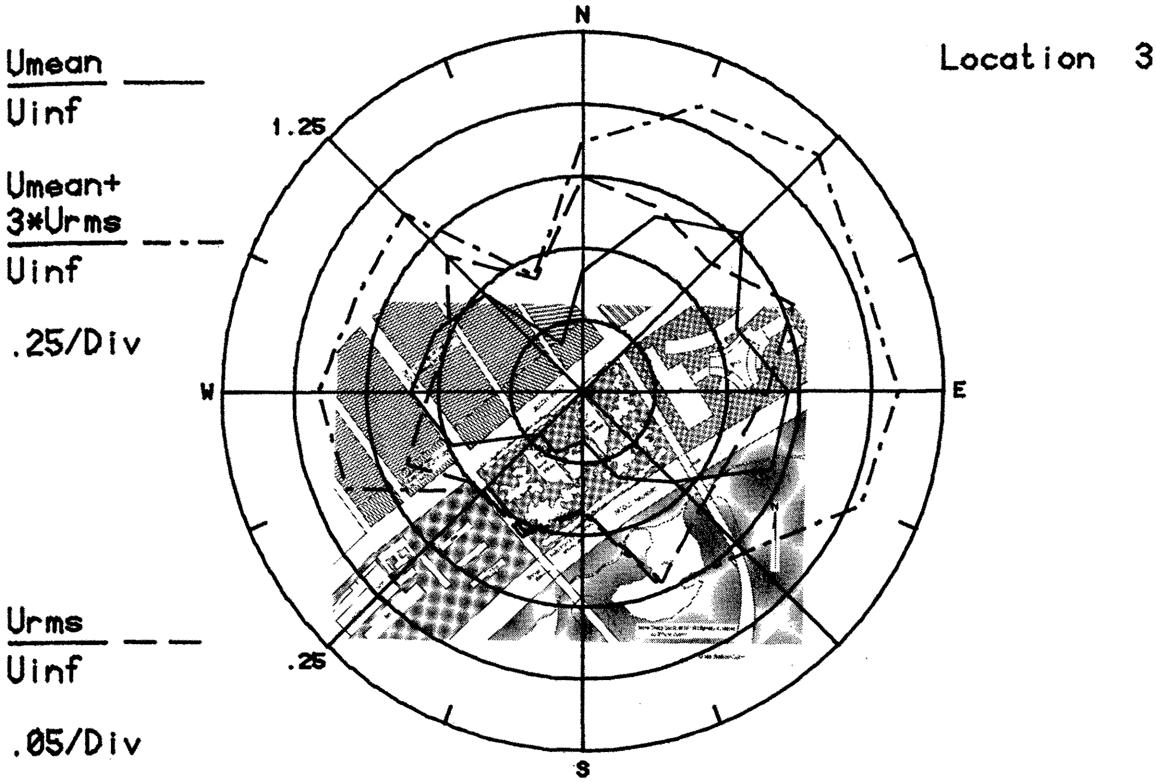


Figure 10a. Mean Velocities and Turbulence Intensities
at Pedestrian Locations 1 and 2



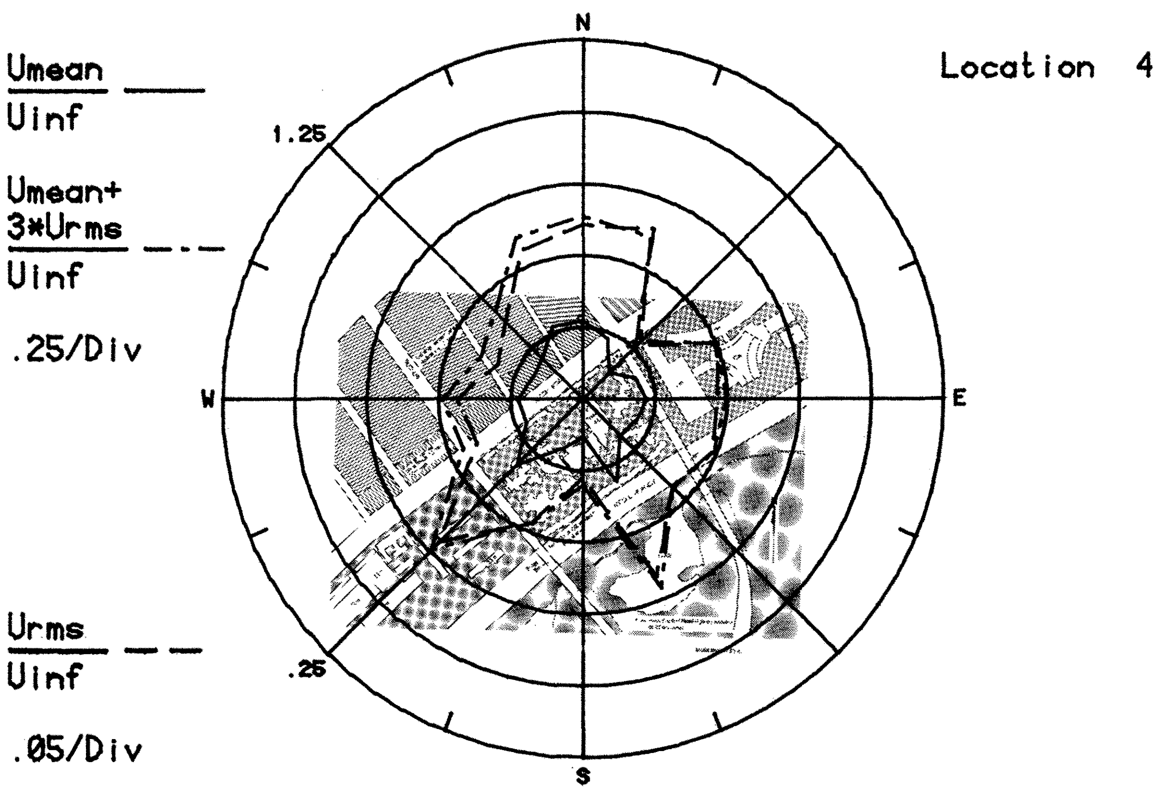
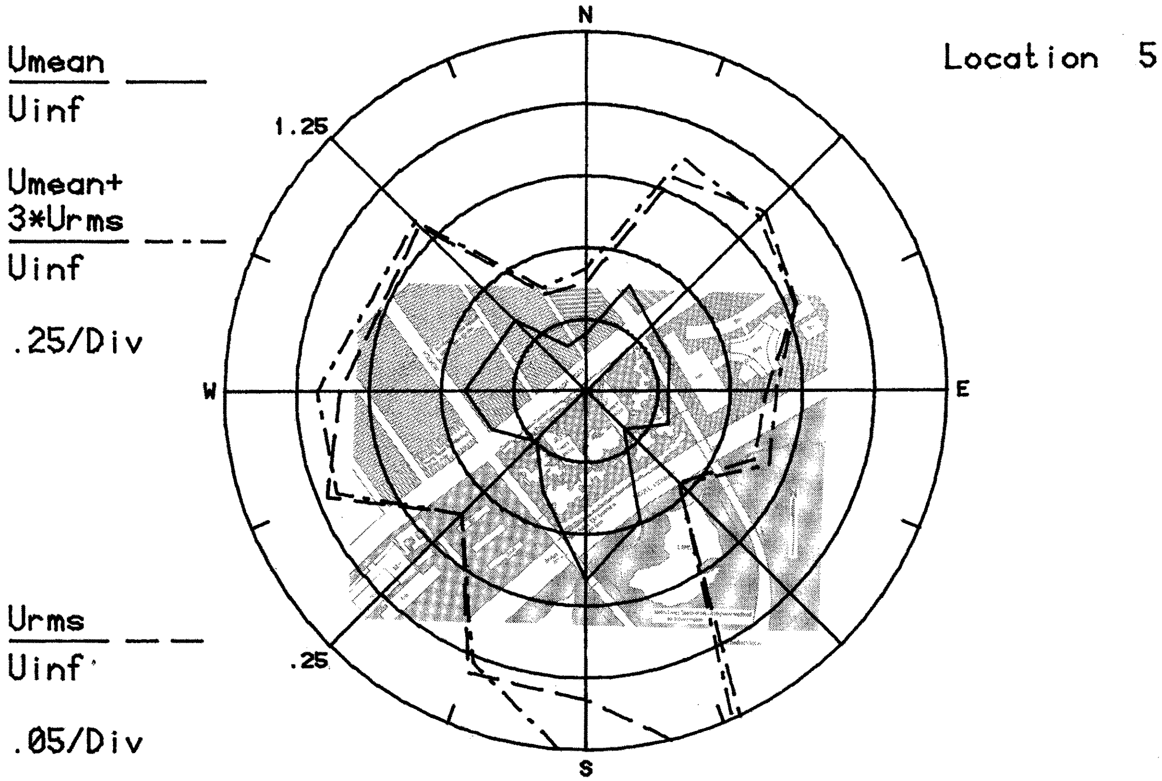


Figure 10b. Mean Velocities and Turbulence Intensities at Pedestrian Locations 3 and 4



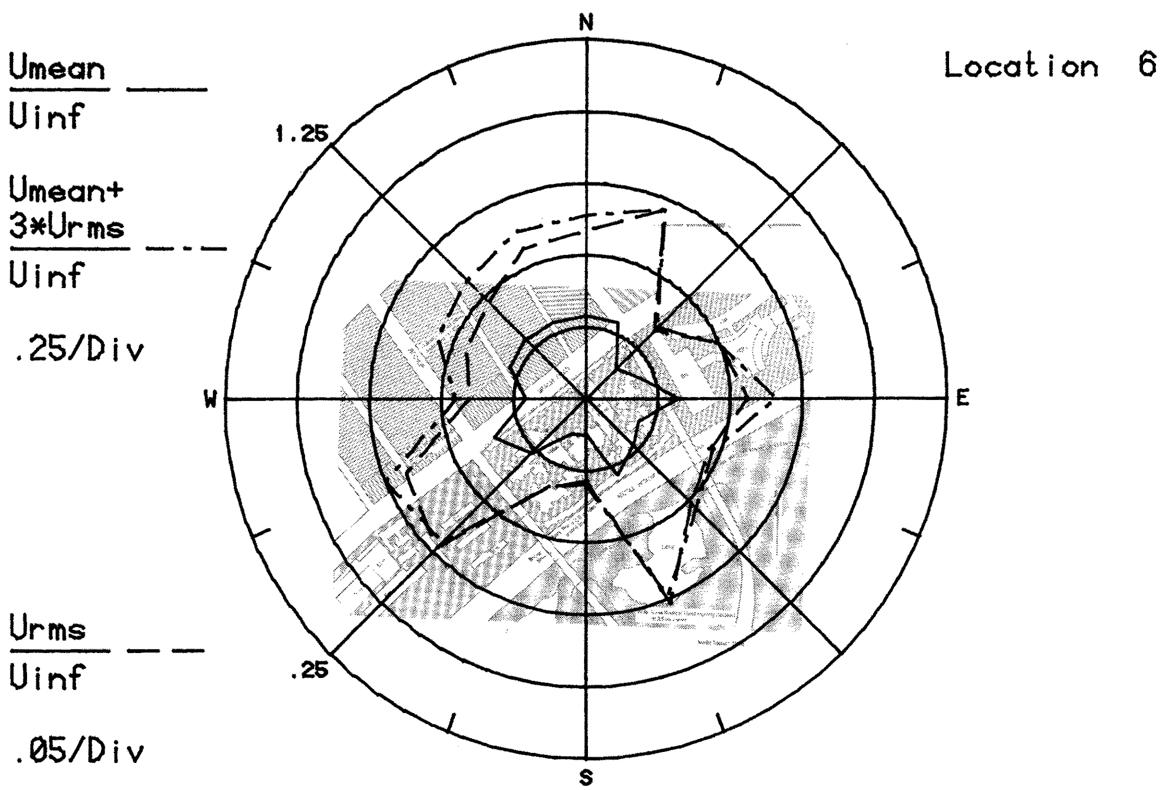


Figure 10c. Mean Velocities and Turbulence Intensities at Pedestrian Locations 5 and 6

Location 7

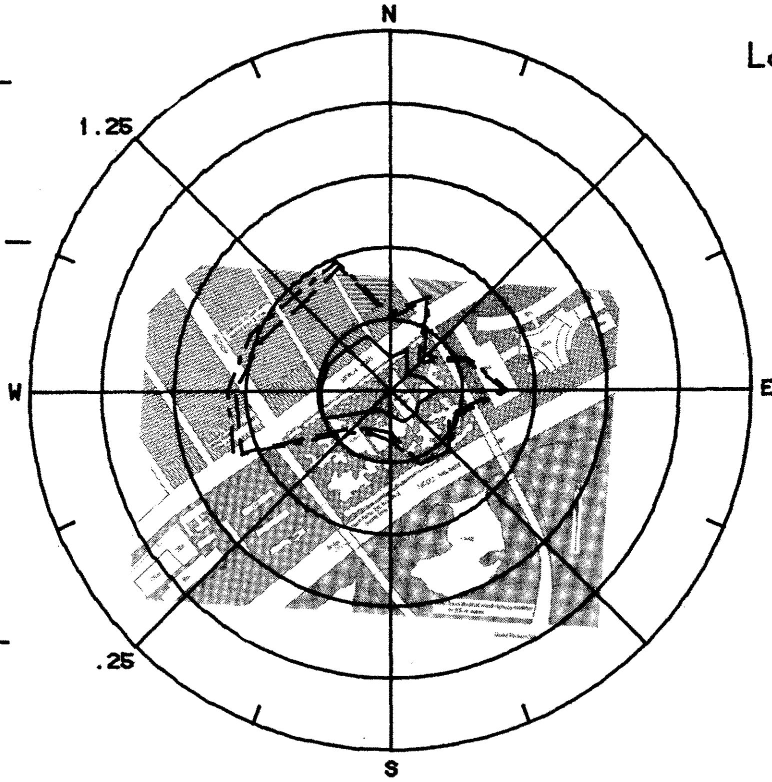
Umean / Uinf ————

Umean+ 3*Urms / Uinf — · —

.25/Div

Urms / Uinf — —

.05/Div



Location 8

Umean / Uinf ————

Umean+ 3*Urms / Uinf — · —

.25/Div

Urms / Uinf — —

.05/Div

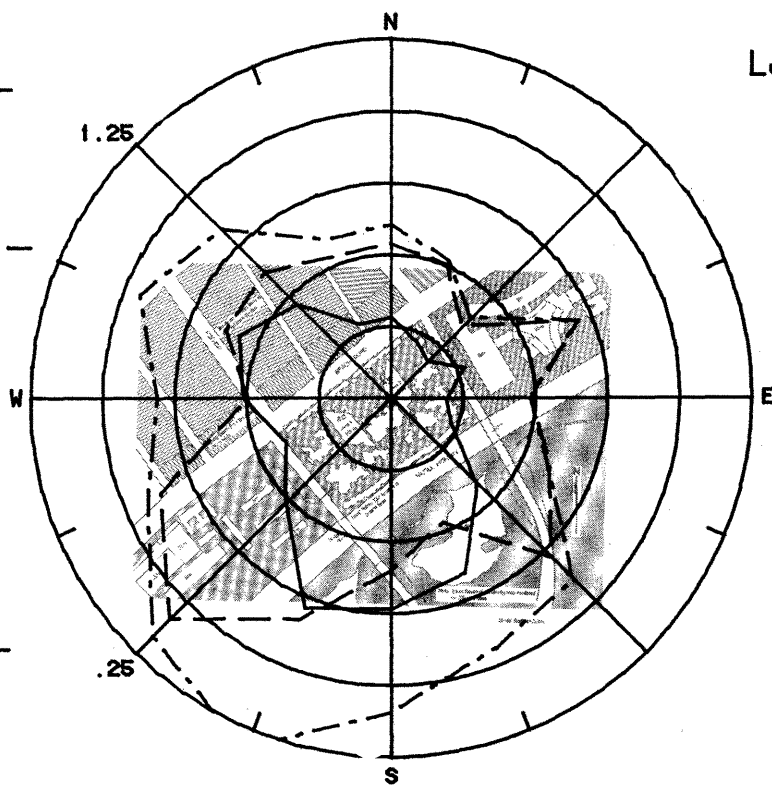
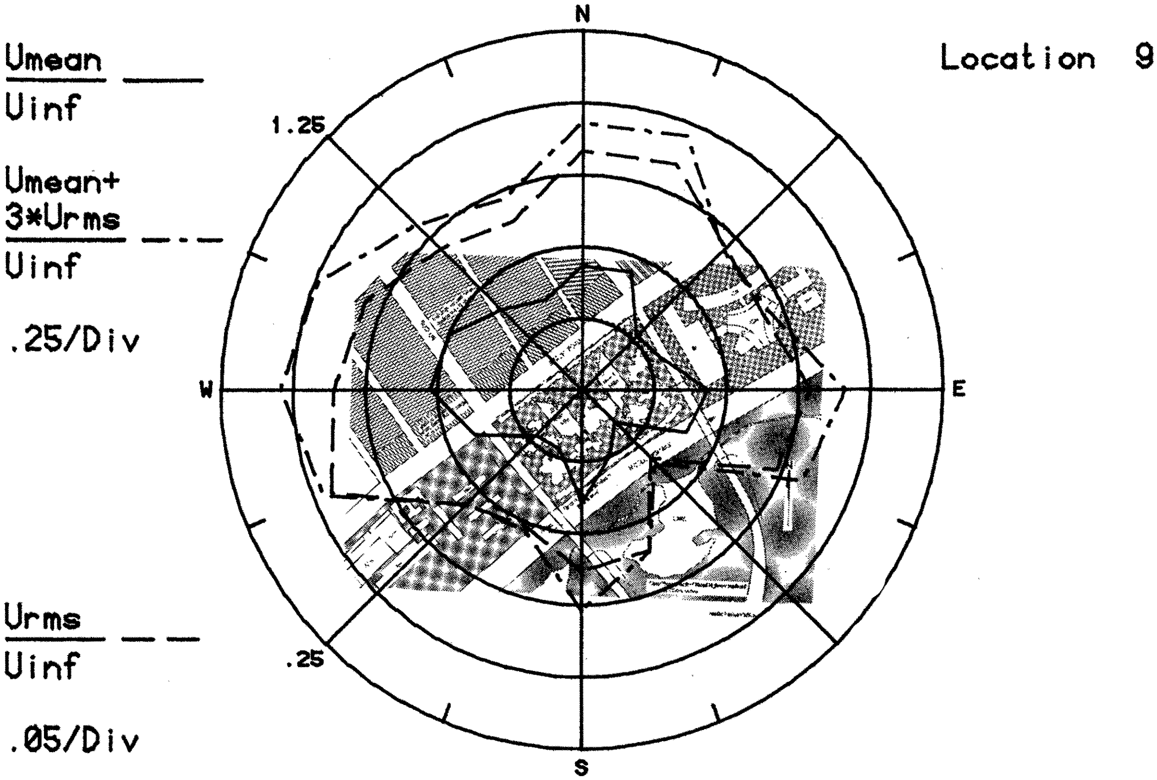


Figure 10d. Mean Velocities and Turbulence Intensities at Pedestrian Locations 7 and 8



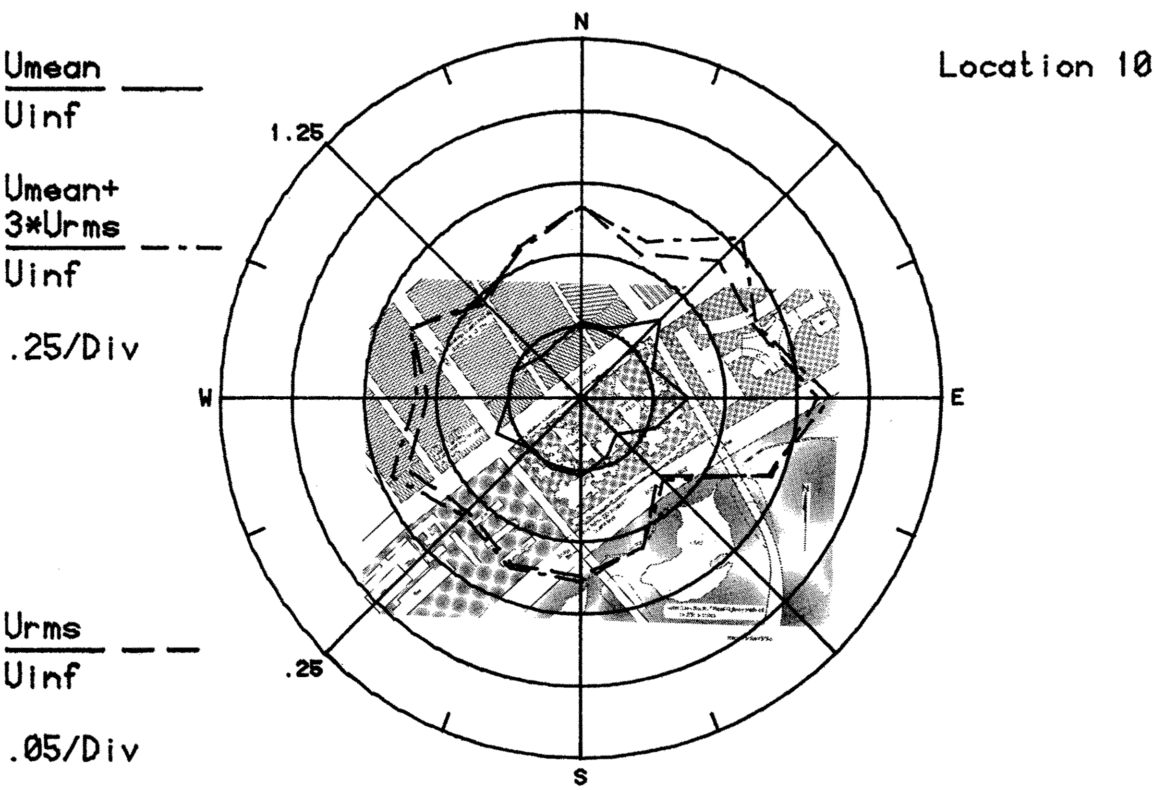
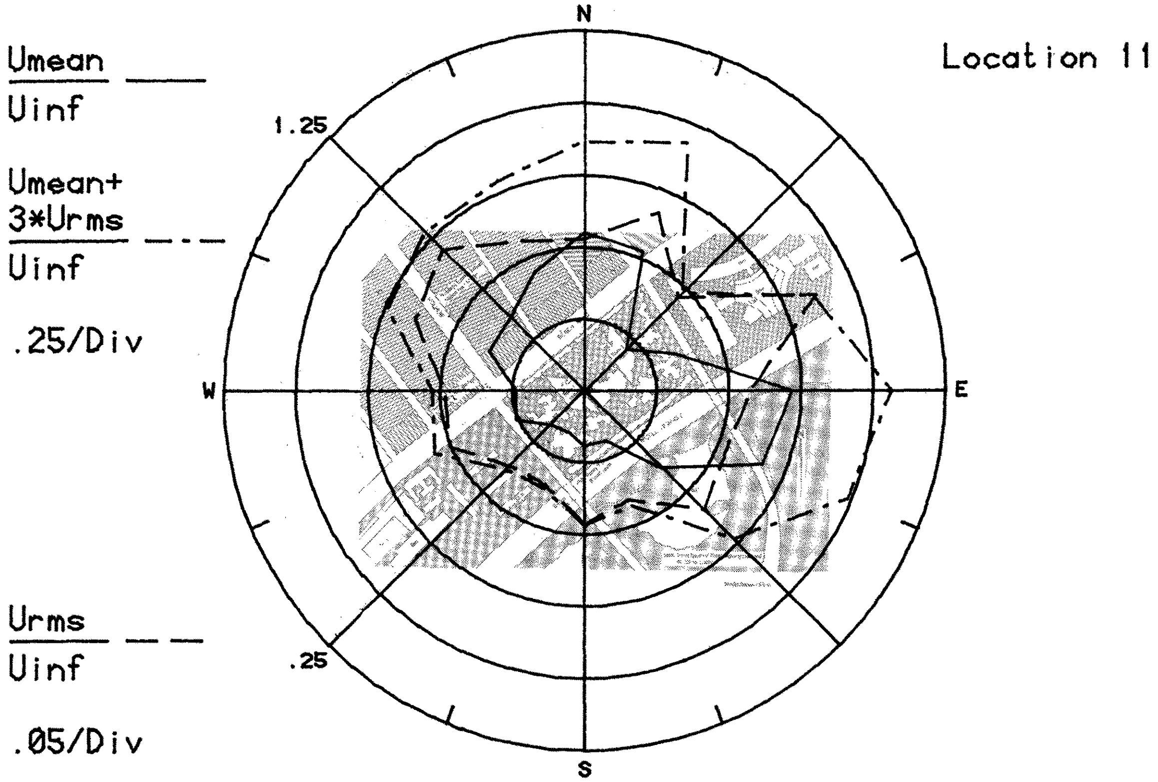


Figure 10e. Mean Velocities and Turbulence Intensities at Pedestrian Locations 9 and 10



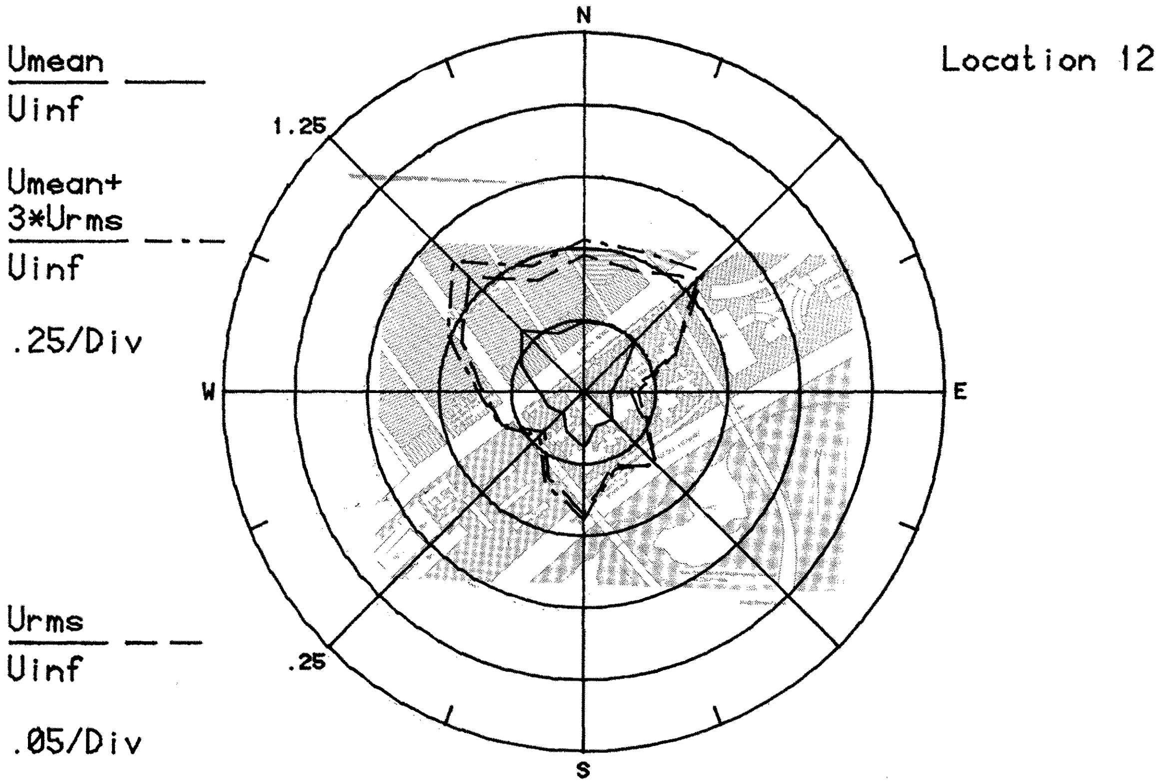
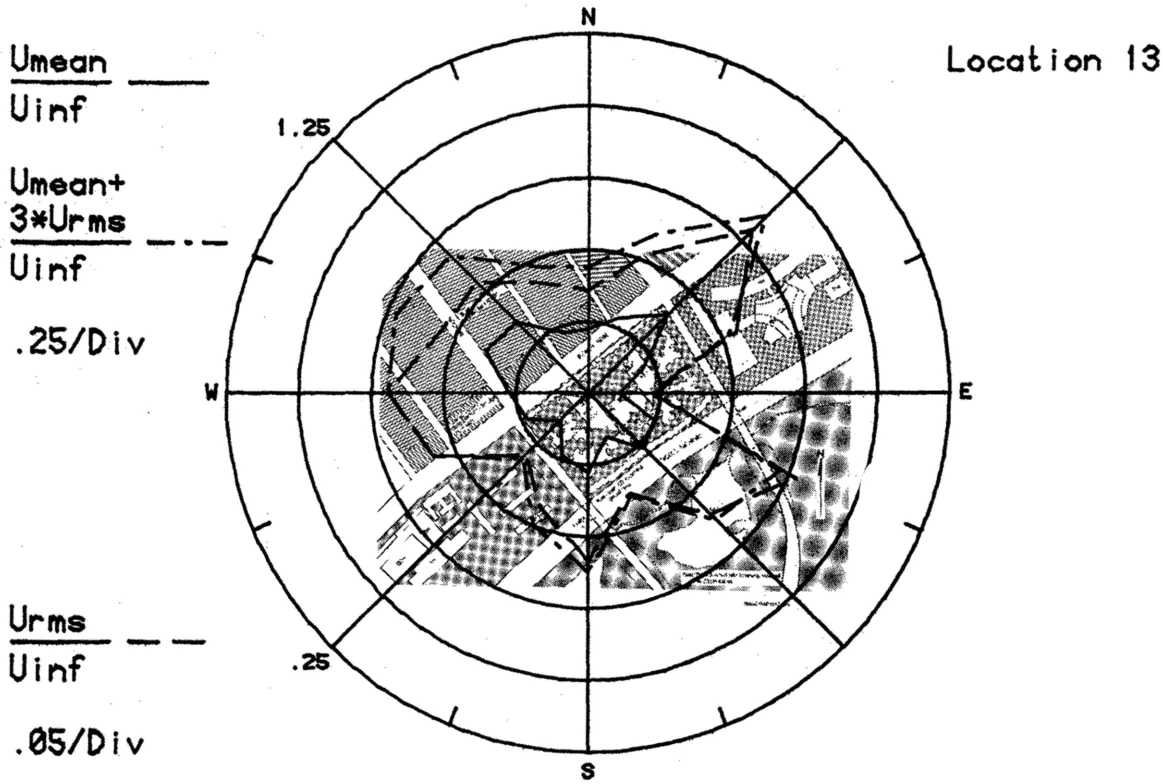


Figure 10f. Mean Velocities and Turbulence Intensities at Pedestrian Locations 11 and 12



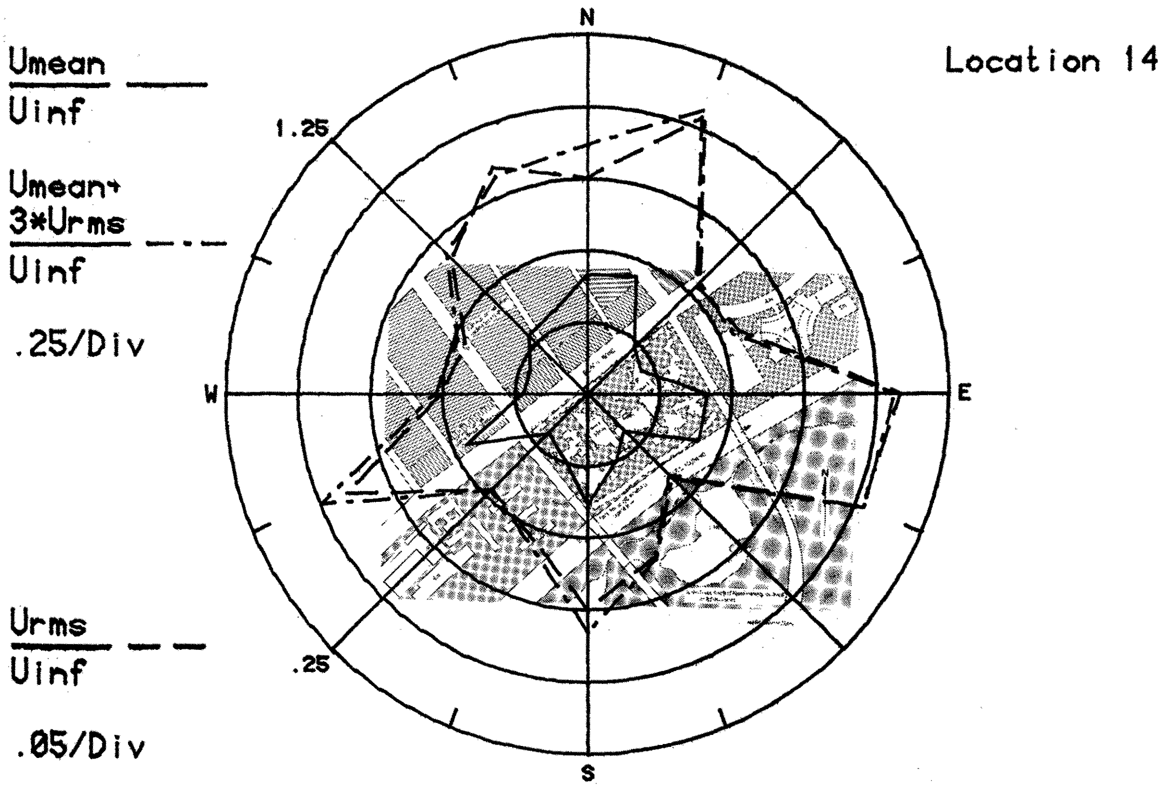
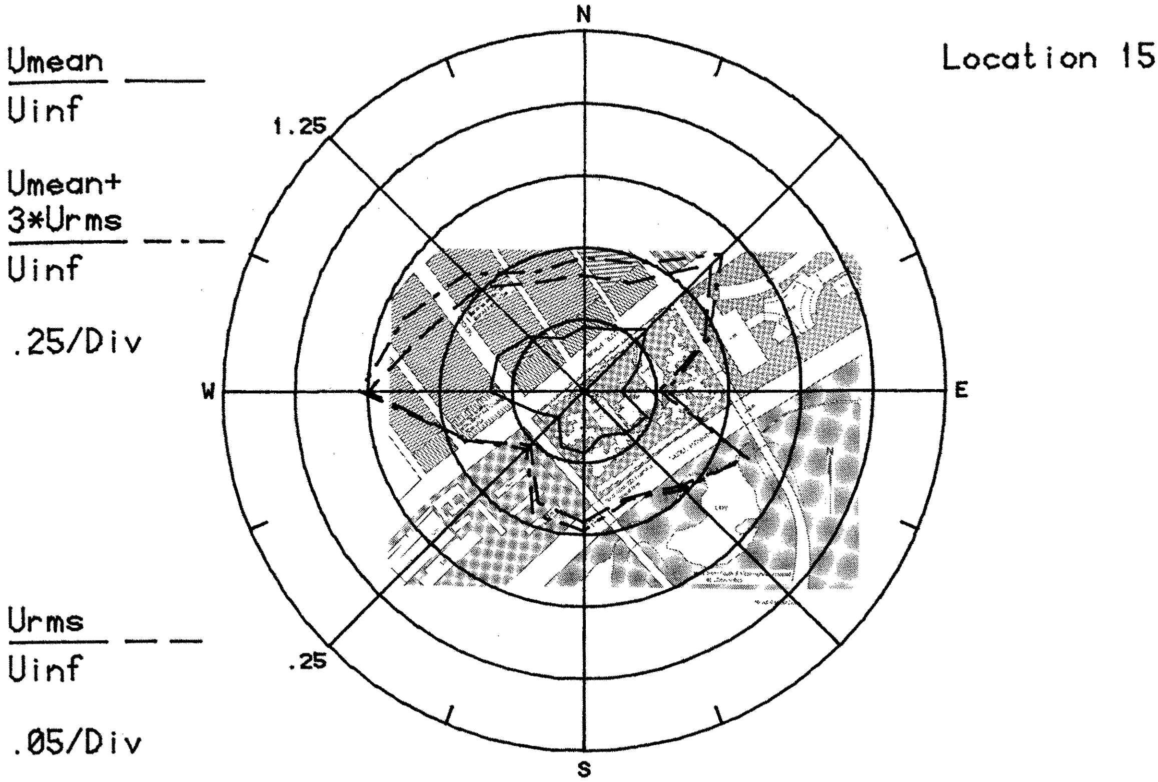


Figure 10g. Mean Velocities and Turbulence Intensities at Pedestrian Locations 13 and 14



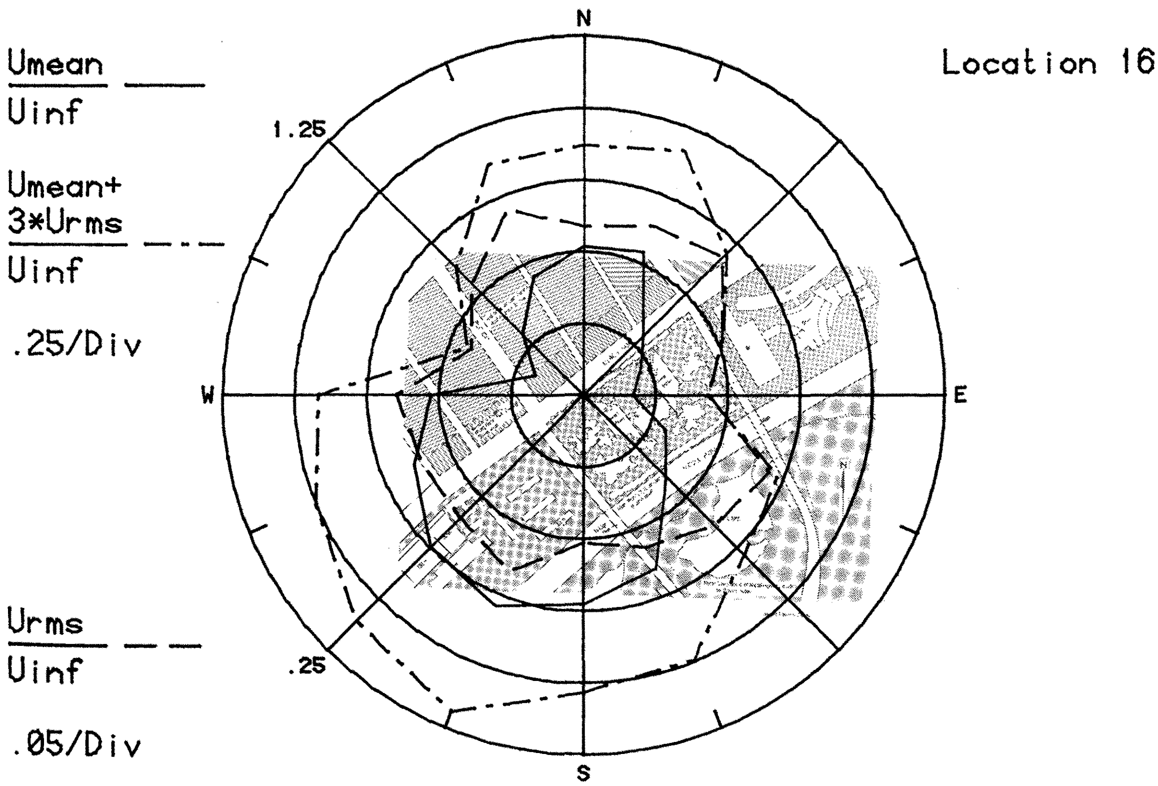
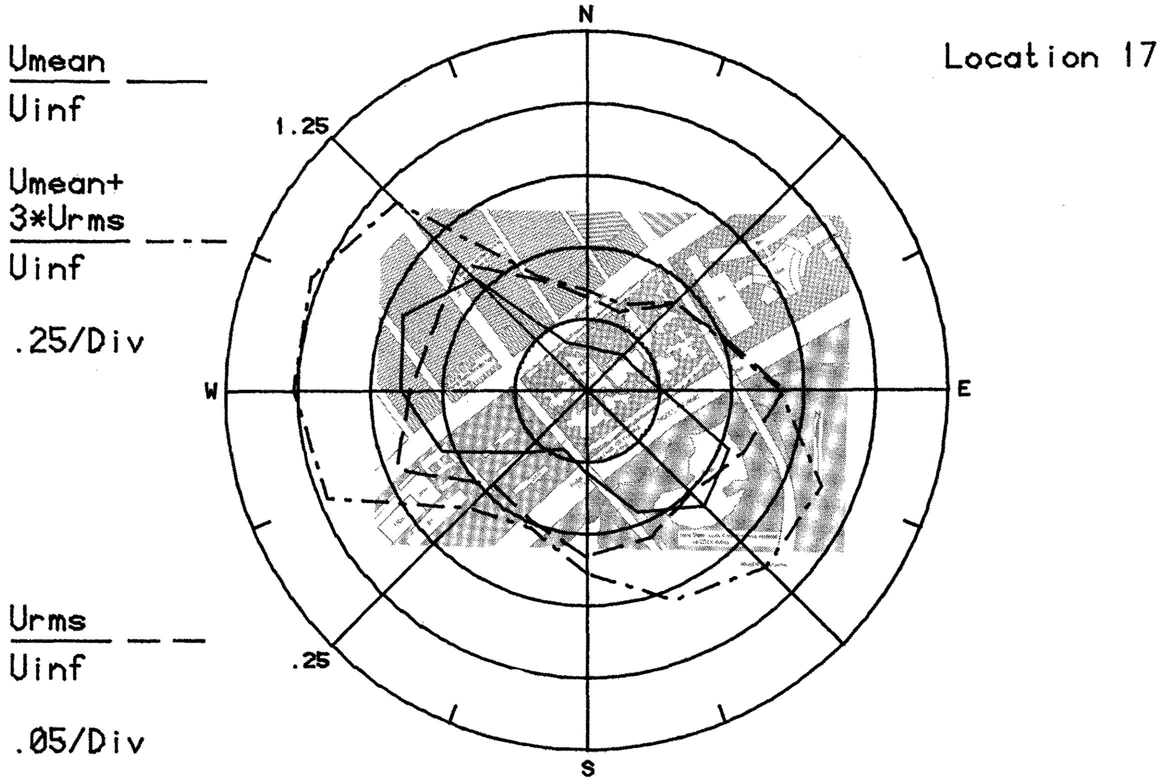


Figure 10h. Mean Velocities and Turbulence Intensities at Pedestrian Locations 15 and 16



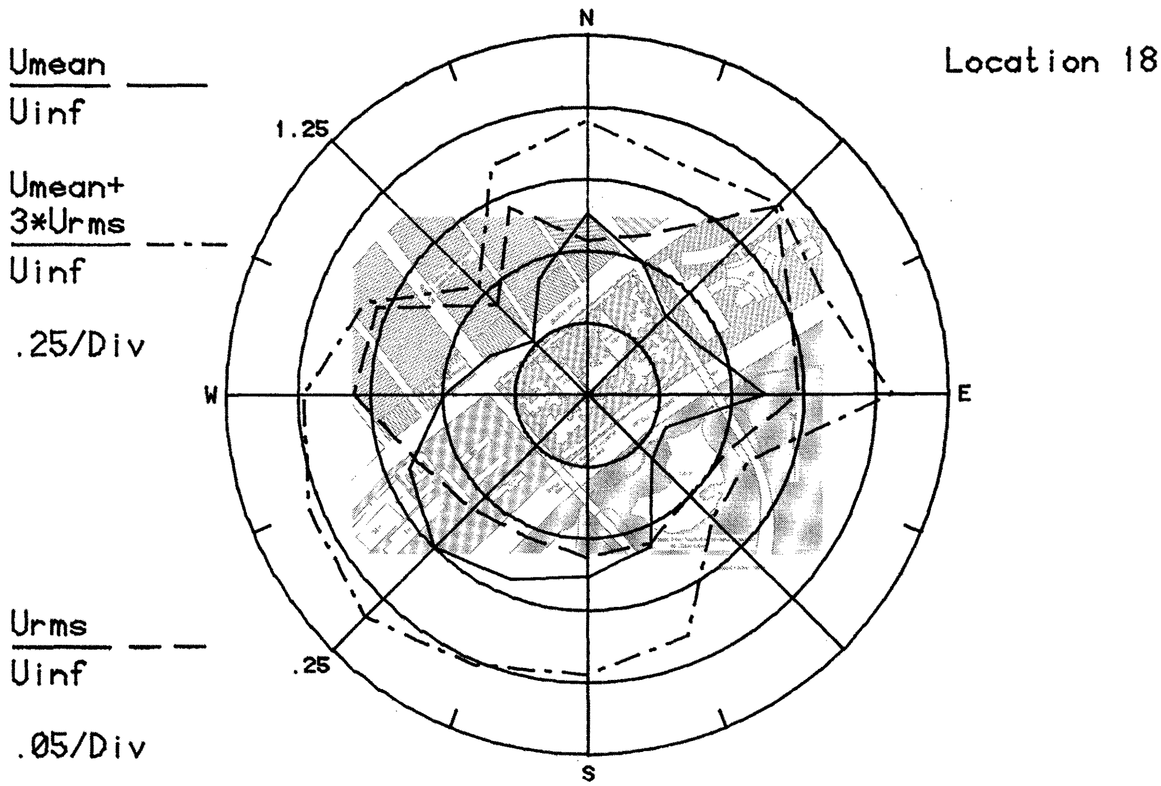
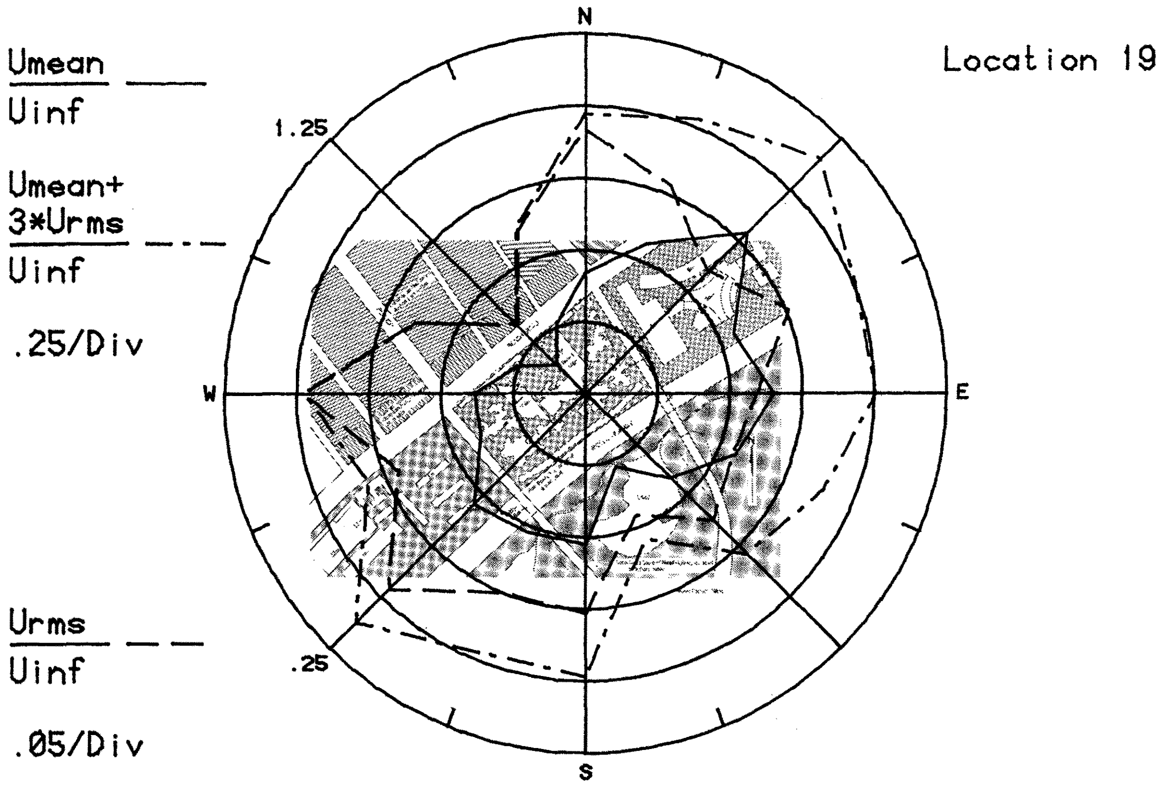


Figure 10i. Mean Velocities and Turbulence Intensities at Pedestrian Locations 17 and 18



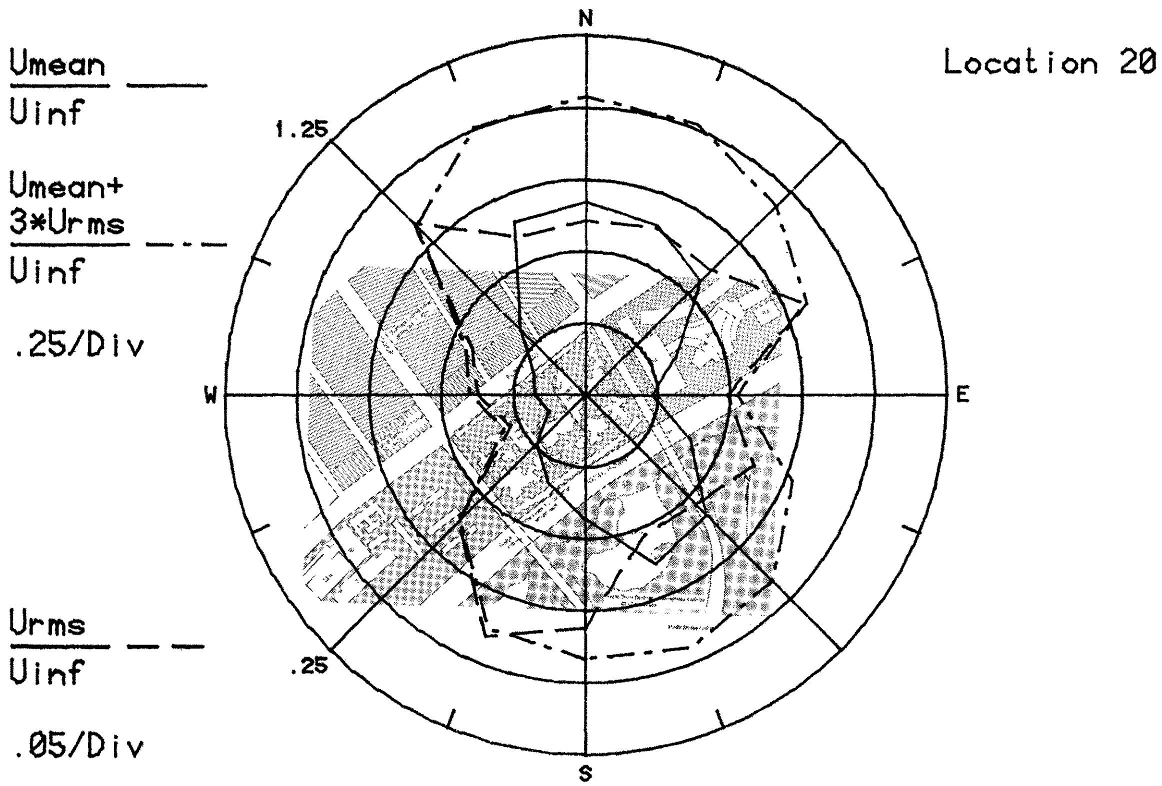


Figure 10j. Mean Velocities and Turbulence Intensities at Pedestrian Locations 19 and 20

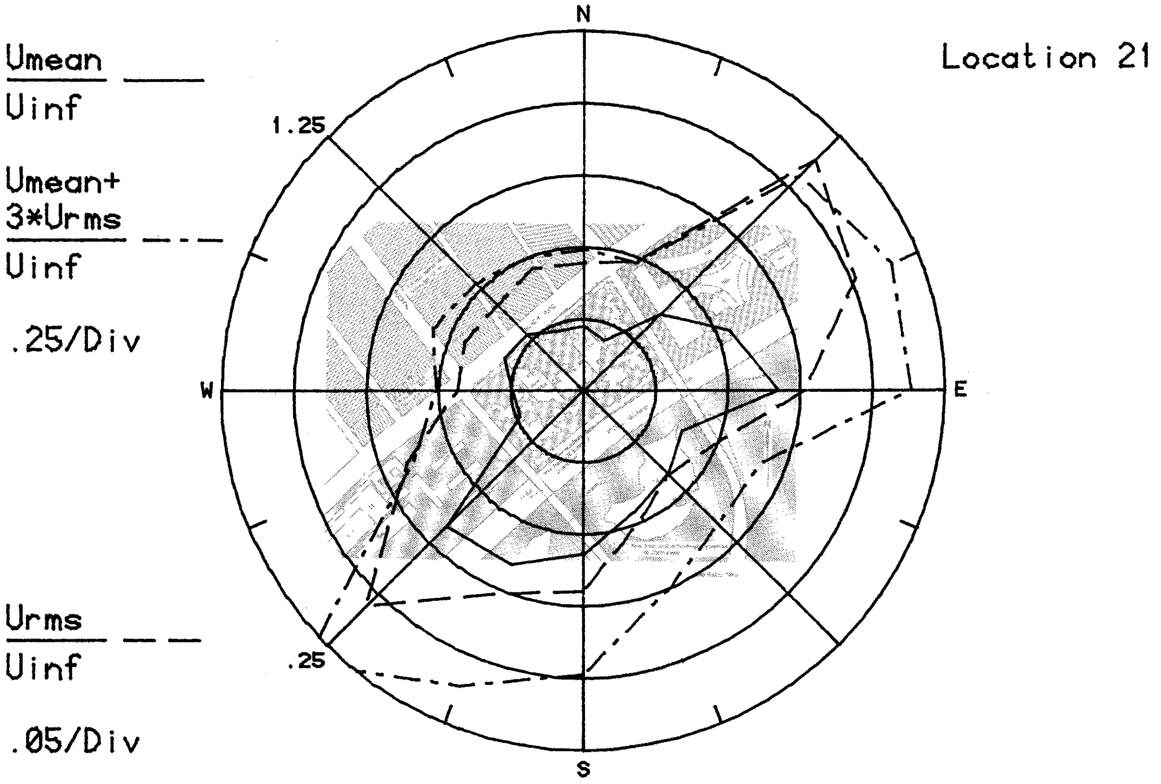


Figure 10k. Mean Velocities and Turbulence Intensities at Pedestrian Location 21

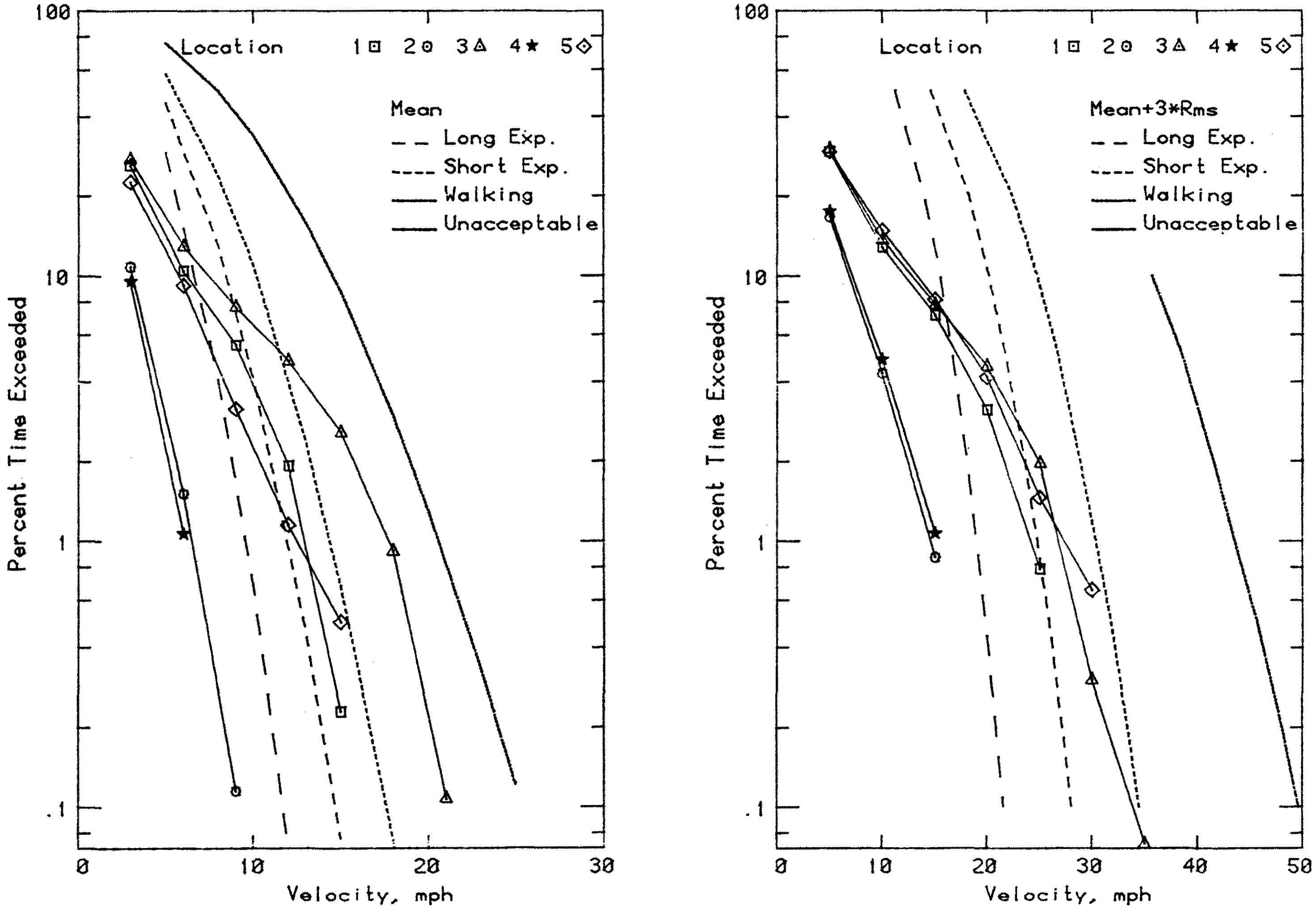


Figure 11a. Wind Velocity Probabilities for Pedestrian Locations

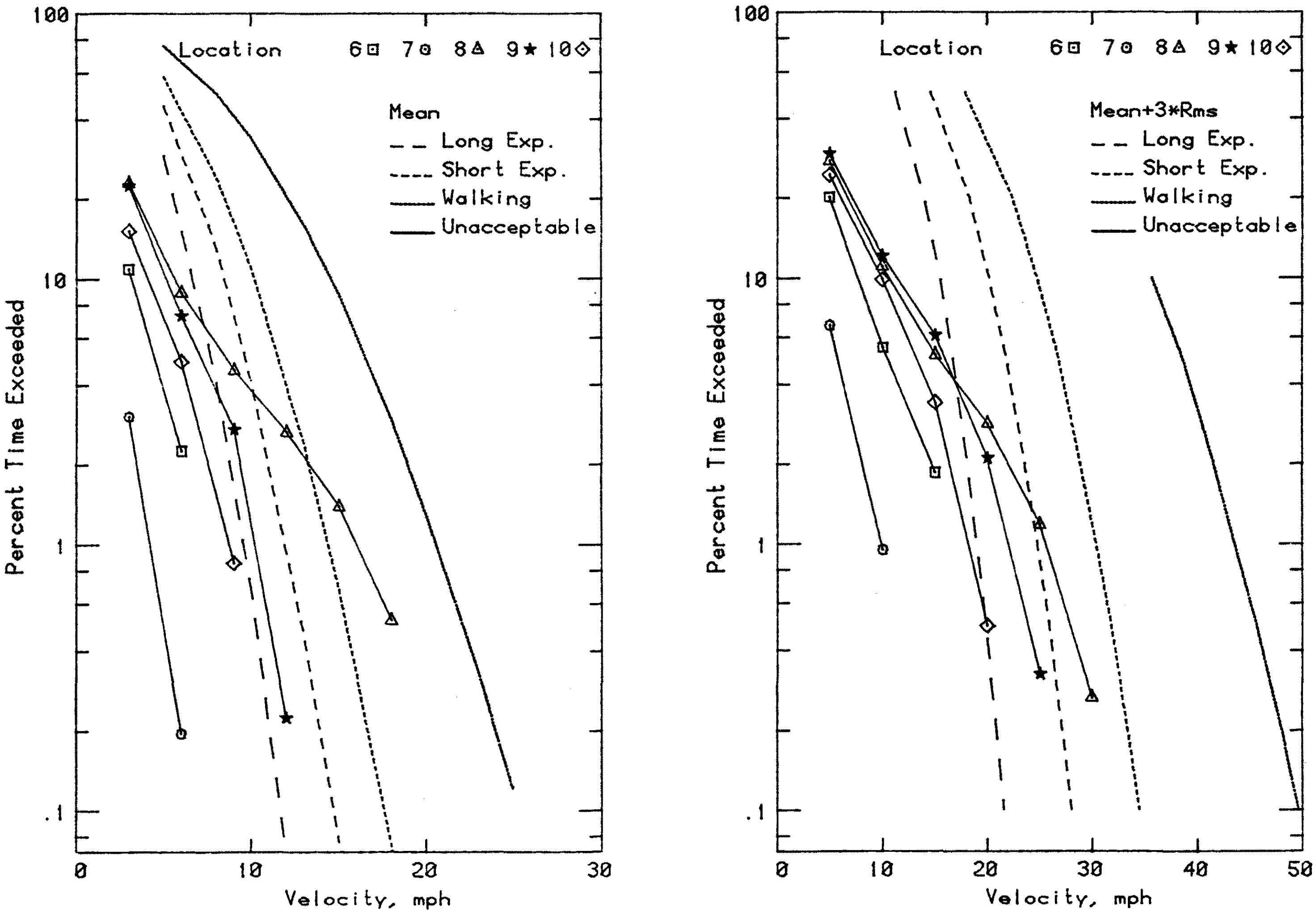


Figure 11b. Wind Velocity Probabilities for Pedestrian Locations

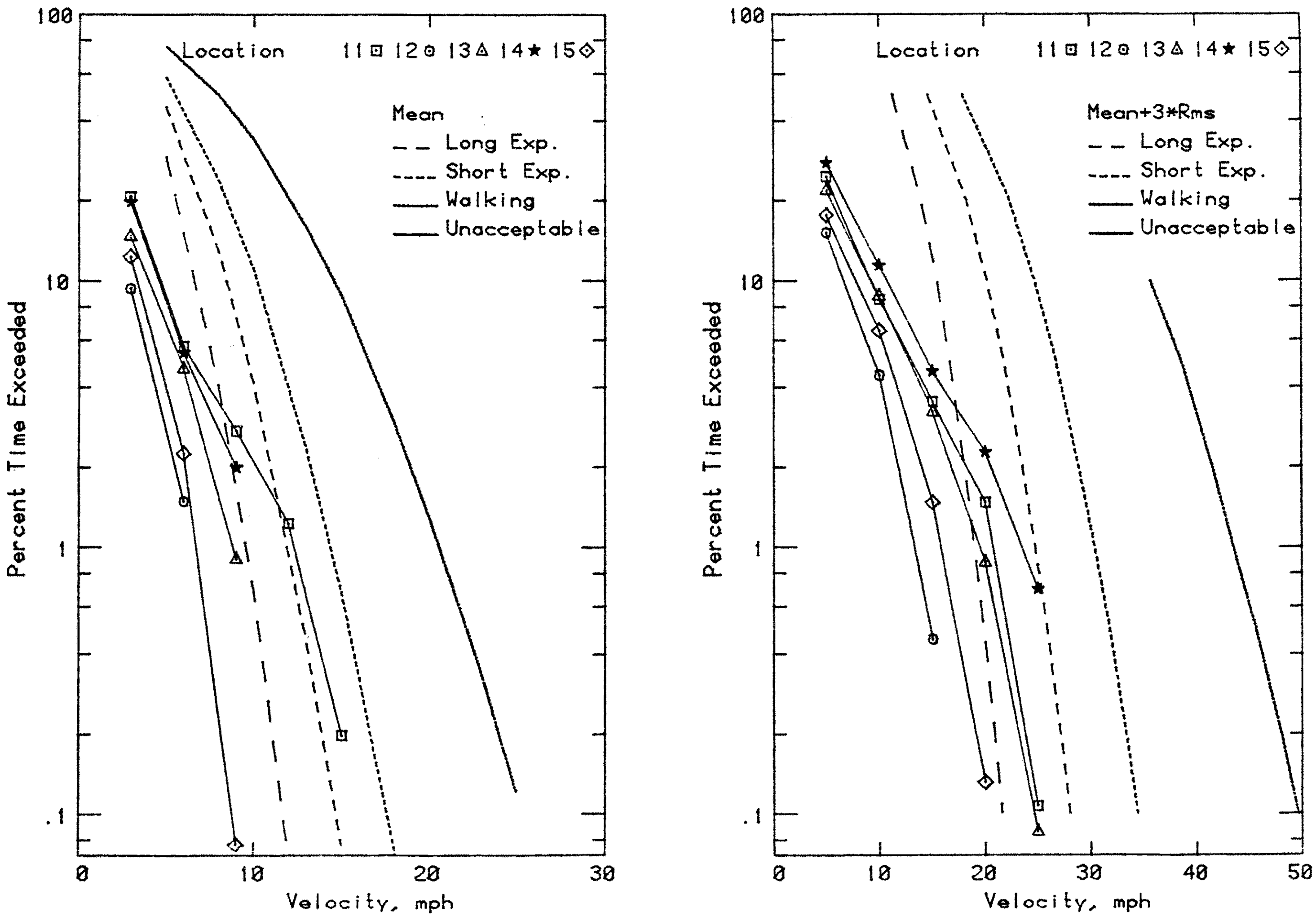


Figure 11c. Wind Velocity Probabilities for Pedestrian Locations

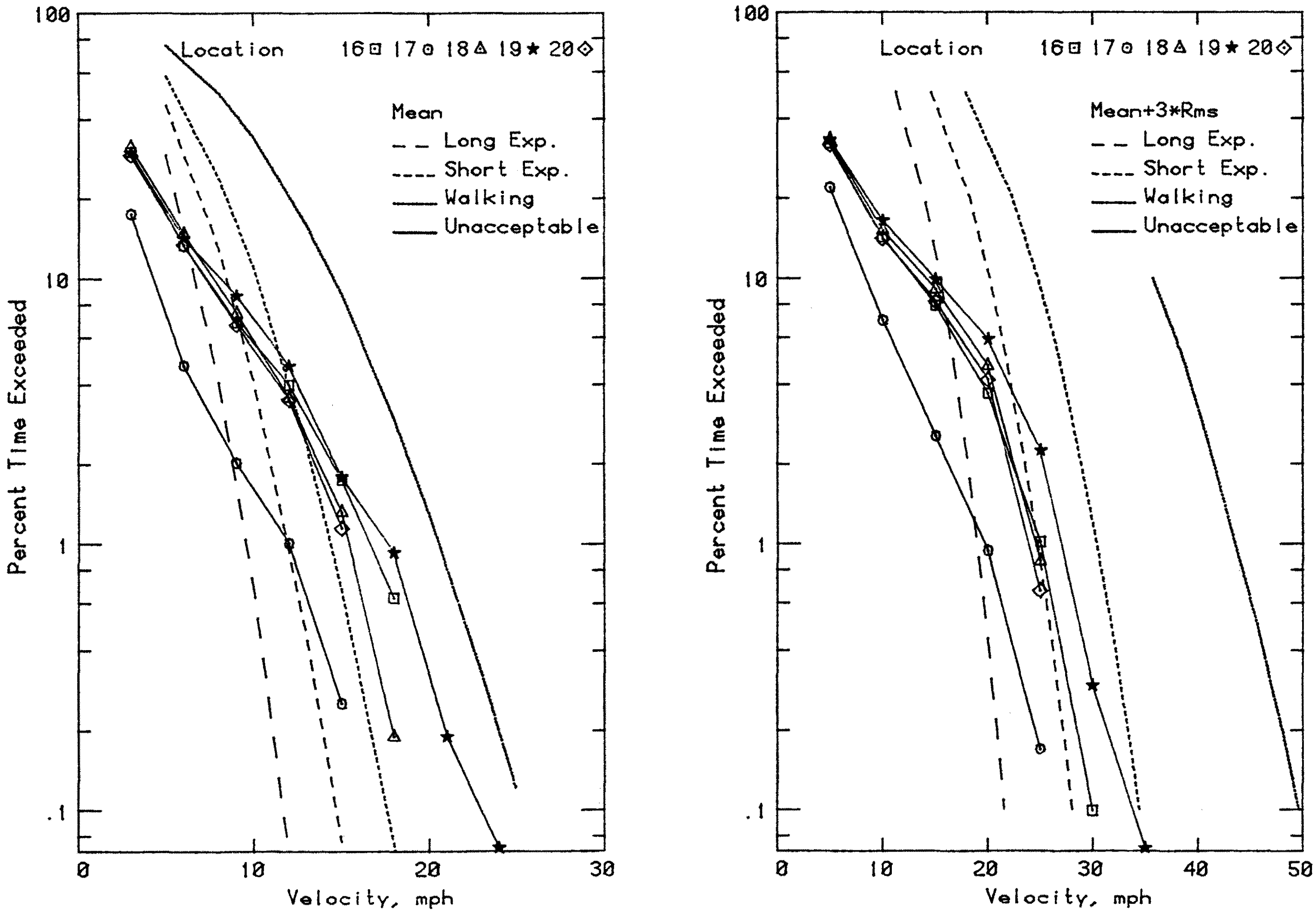


Figure 11d. Wind Velocity Probabilities for Pedestrian Locations

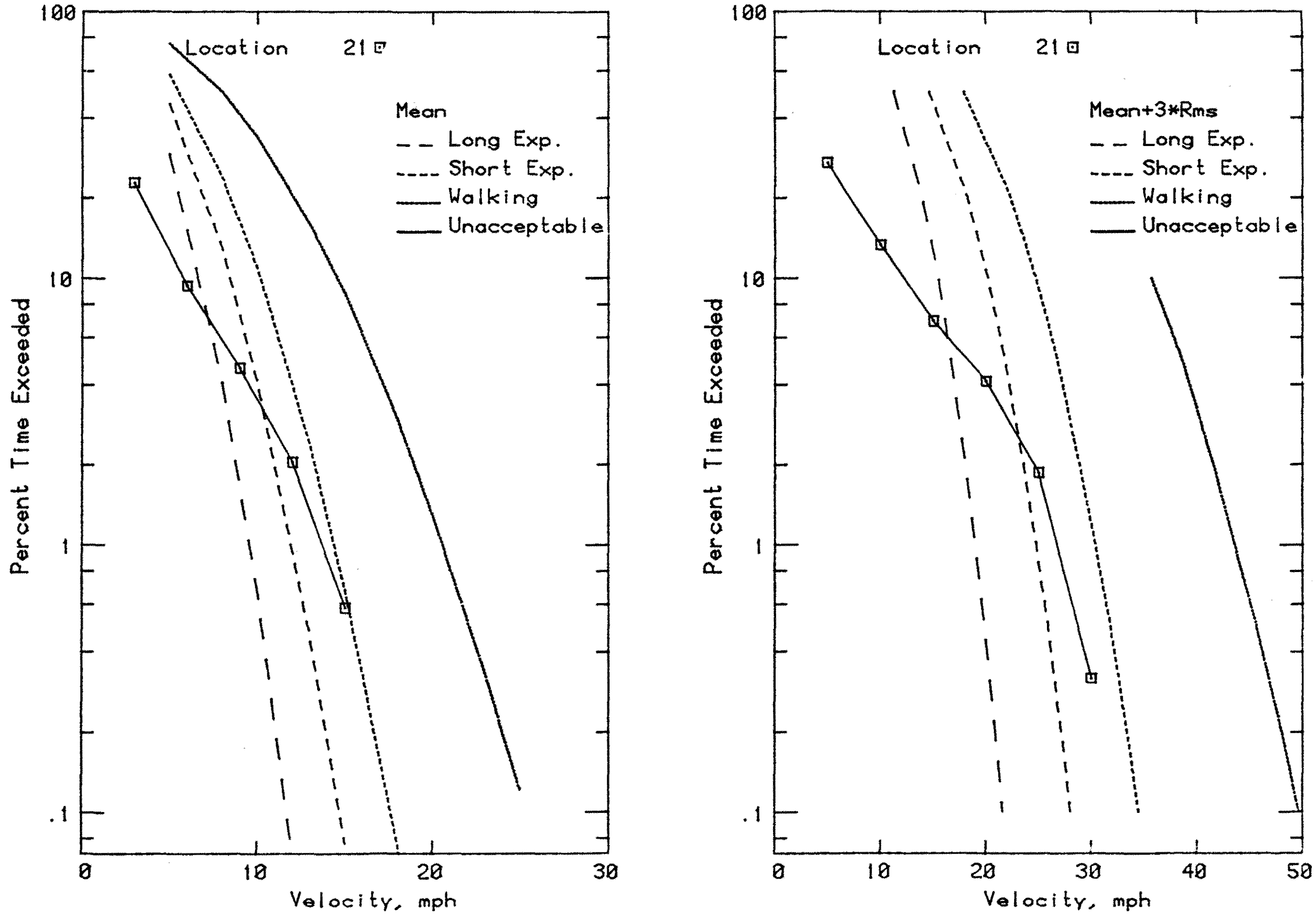


Figure 11e. Wind Velocity Probabilities for Pedestrian Locations

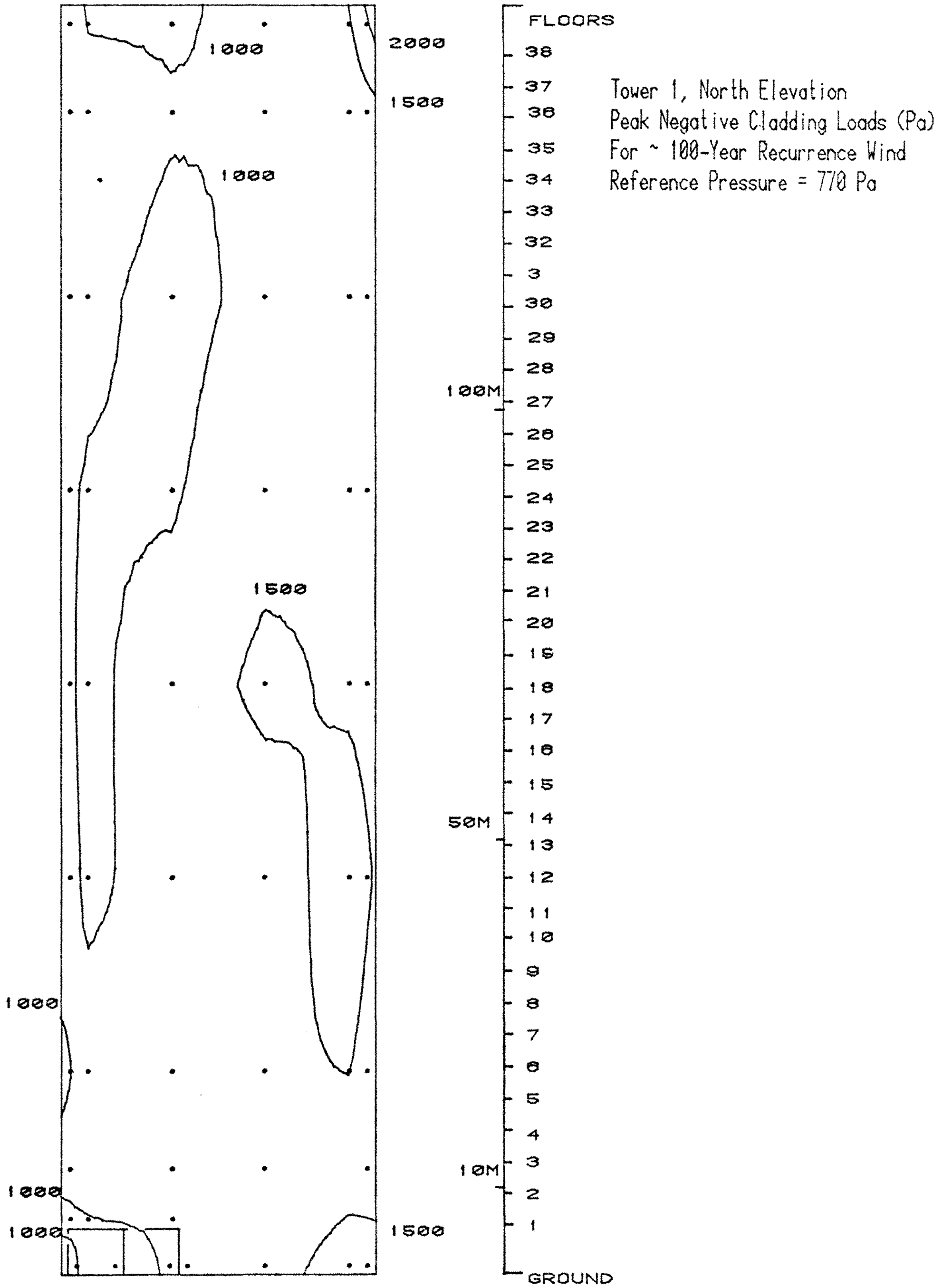


Figure 12a. Peak Pressure Contours on the Building for Cladding Loads

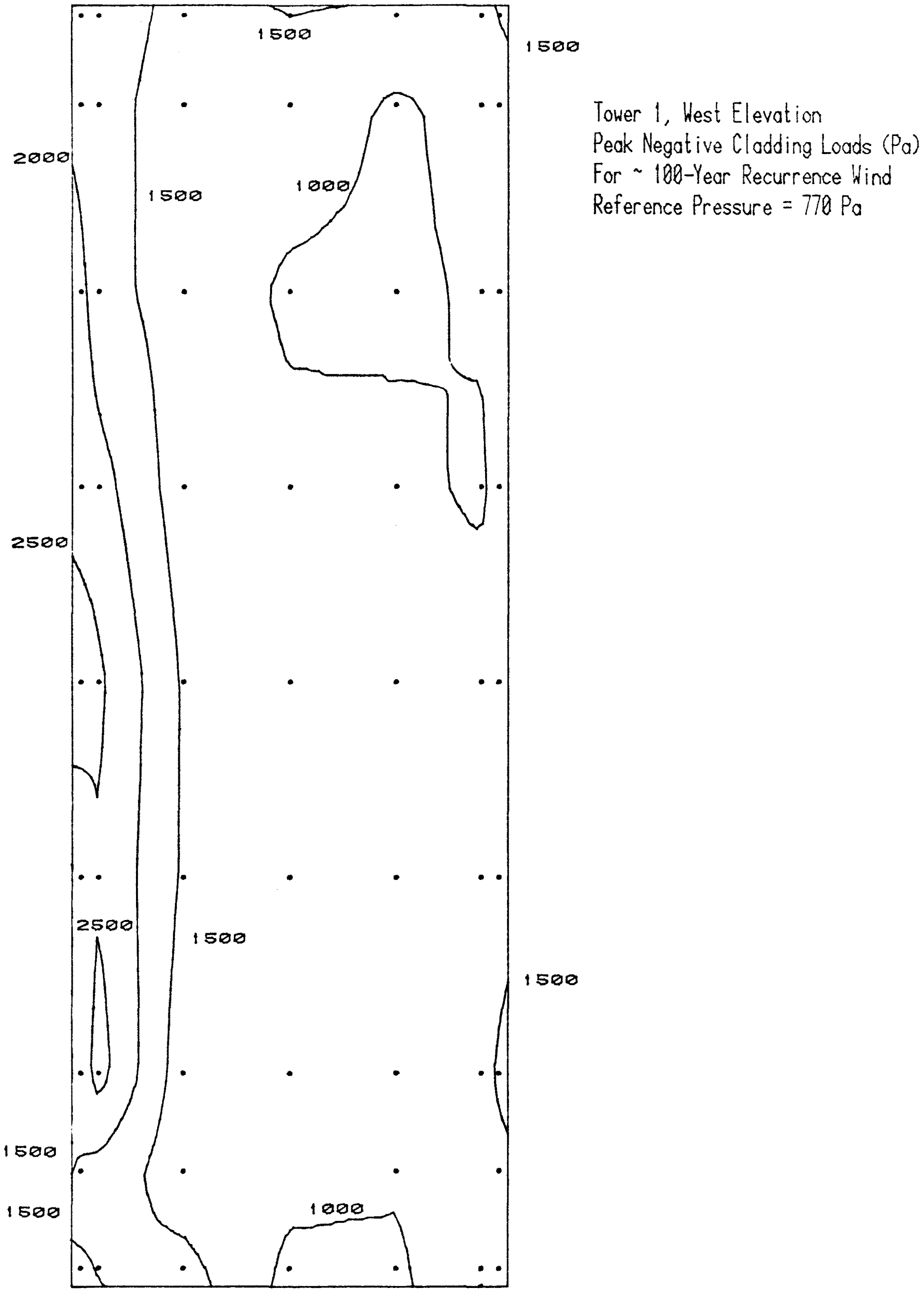


Figure 12b. Peak Pressure Contours on the Building for Cladding Loads

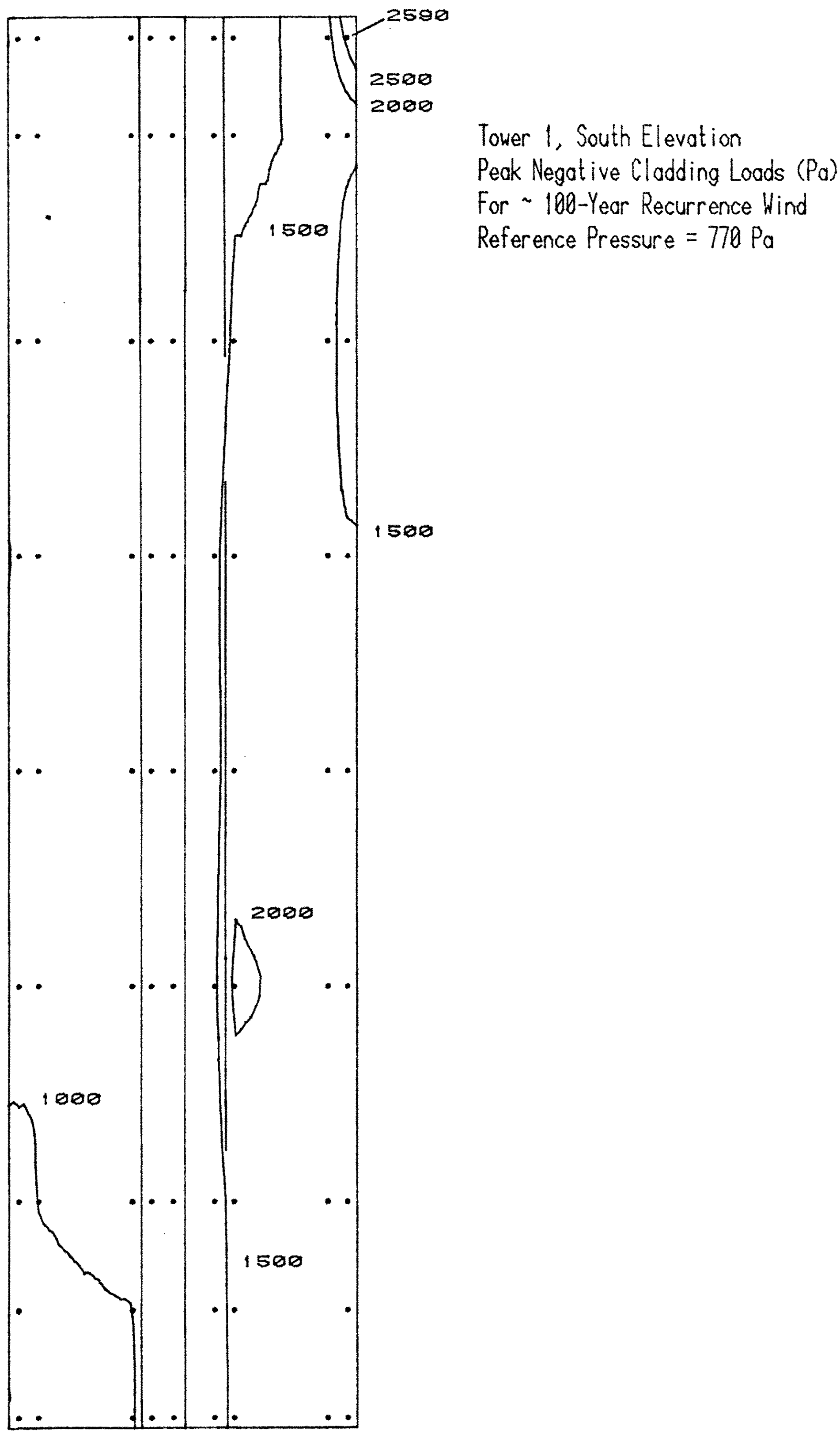
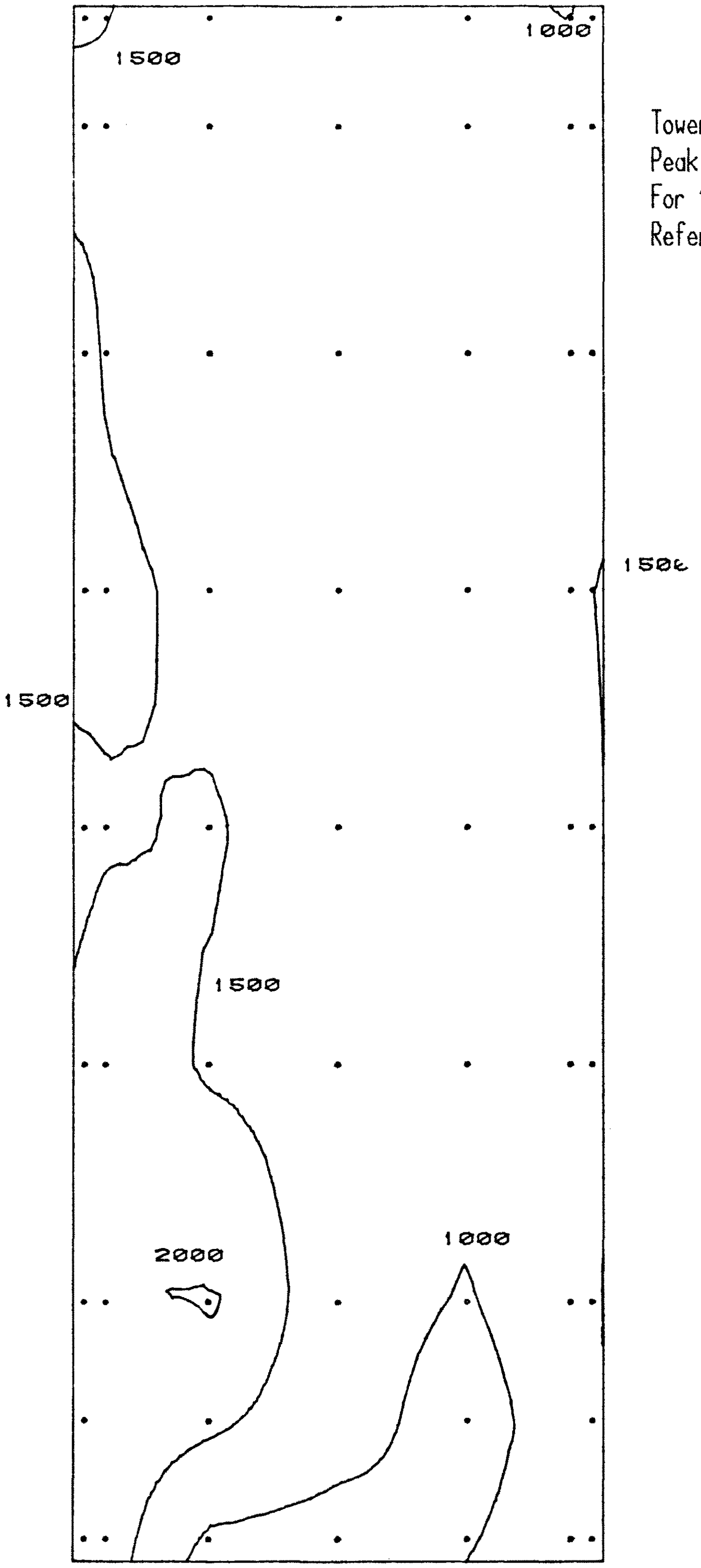
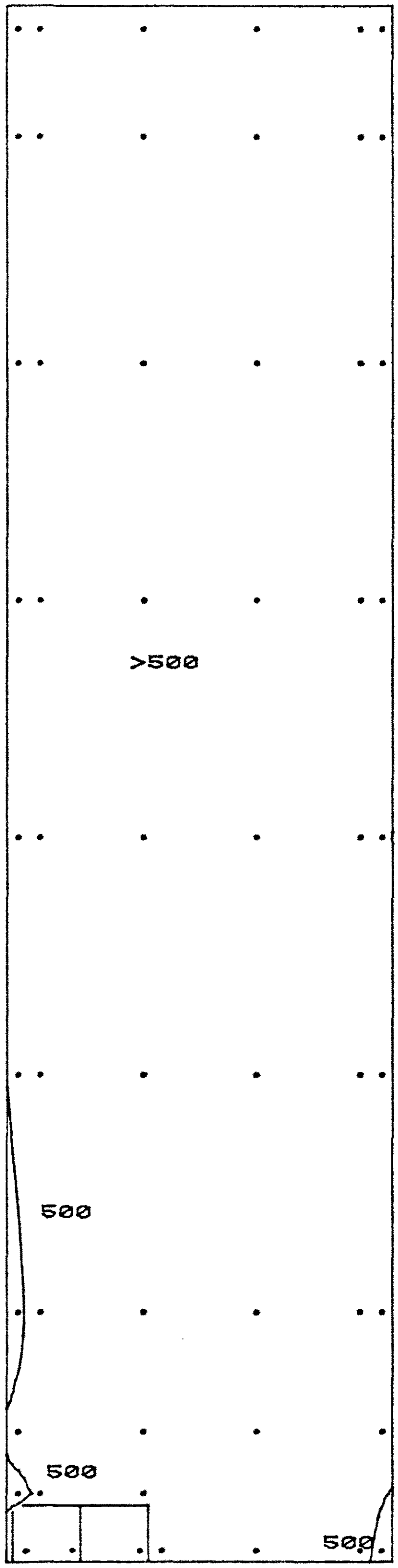


Figure 12c. Peak Pressure Contours on the Building for Cladding Loads



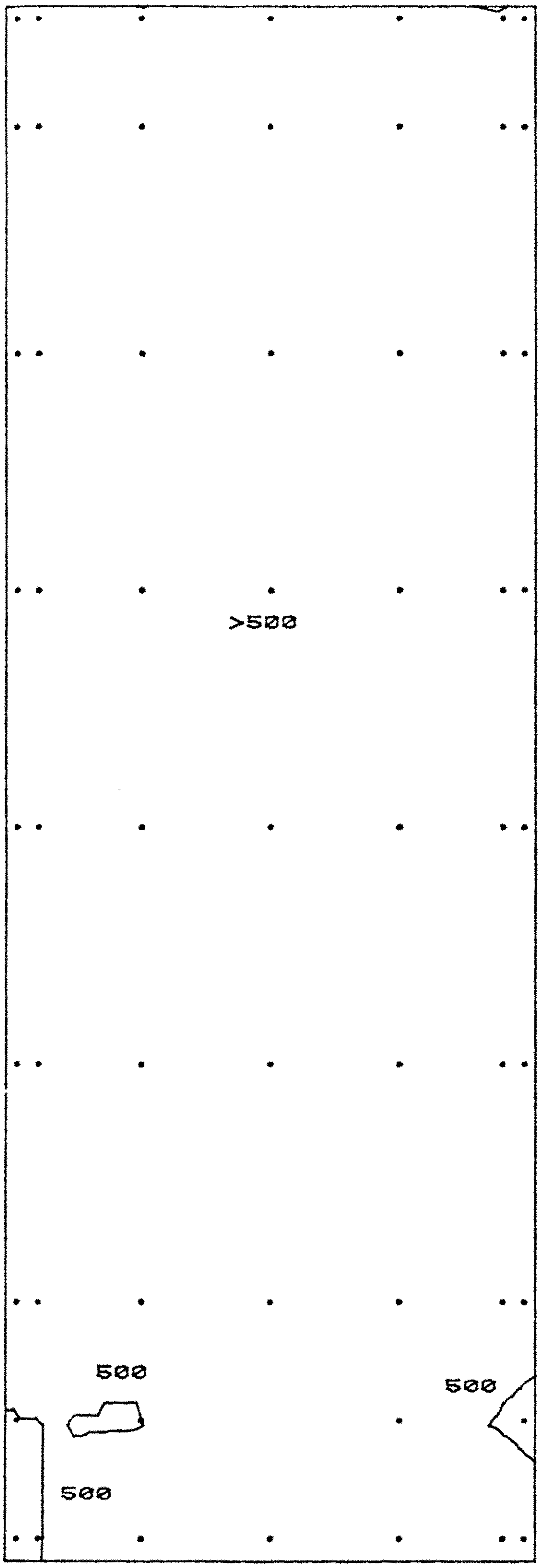
Tower 1, East Elevation
Peak Negative Cladding Loads (Pa)
For ~ 100-Year Recurrence Wind
Reference Pressure = 770 Pa

Figure 12d. Peak Pressure Contours on the Building for Cladding Loads



Tower 1, North Elevation
Peak Positive Cladding Loads (Pa)
For ~ 100-Year Recurrence Wind
Reference Pressure = 770 Pa

Figure 12e. Peak Pressure Contours on the Building for Cladding Loads



Tower 1, West Elevation
Peak Positive Cladding Loads (Pa)
For ~ 100-Year Recurrence Wind
Reference Pressure = 770 Pa

Figure 12f. Peak Pressure Contours on the Building for Cladding Loads

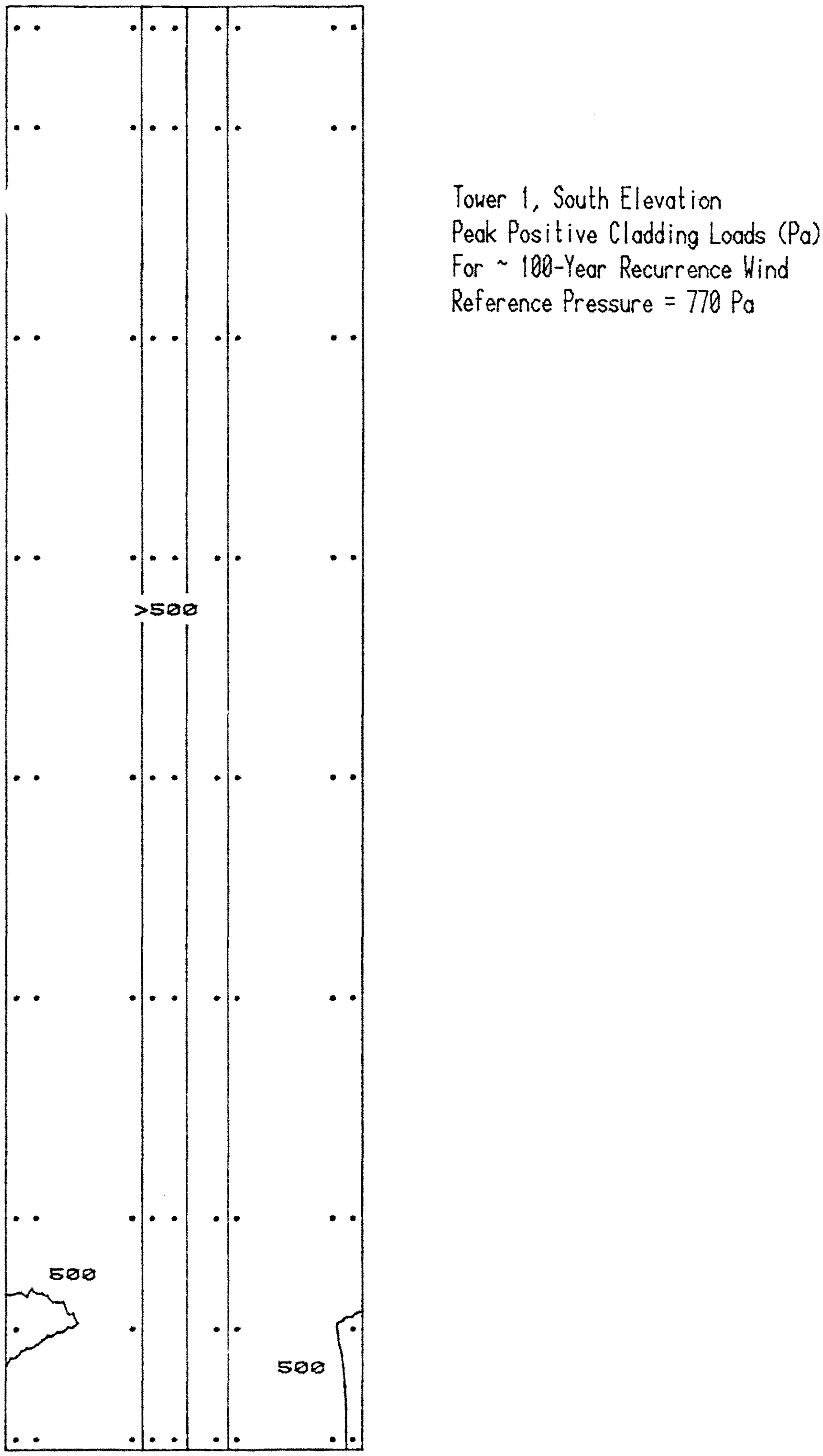


Figure 12g. Peak Pressure Contours on the Building for Cladding Loads

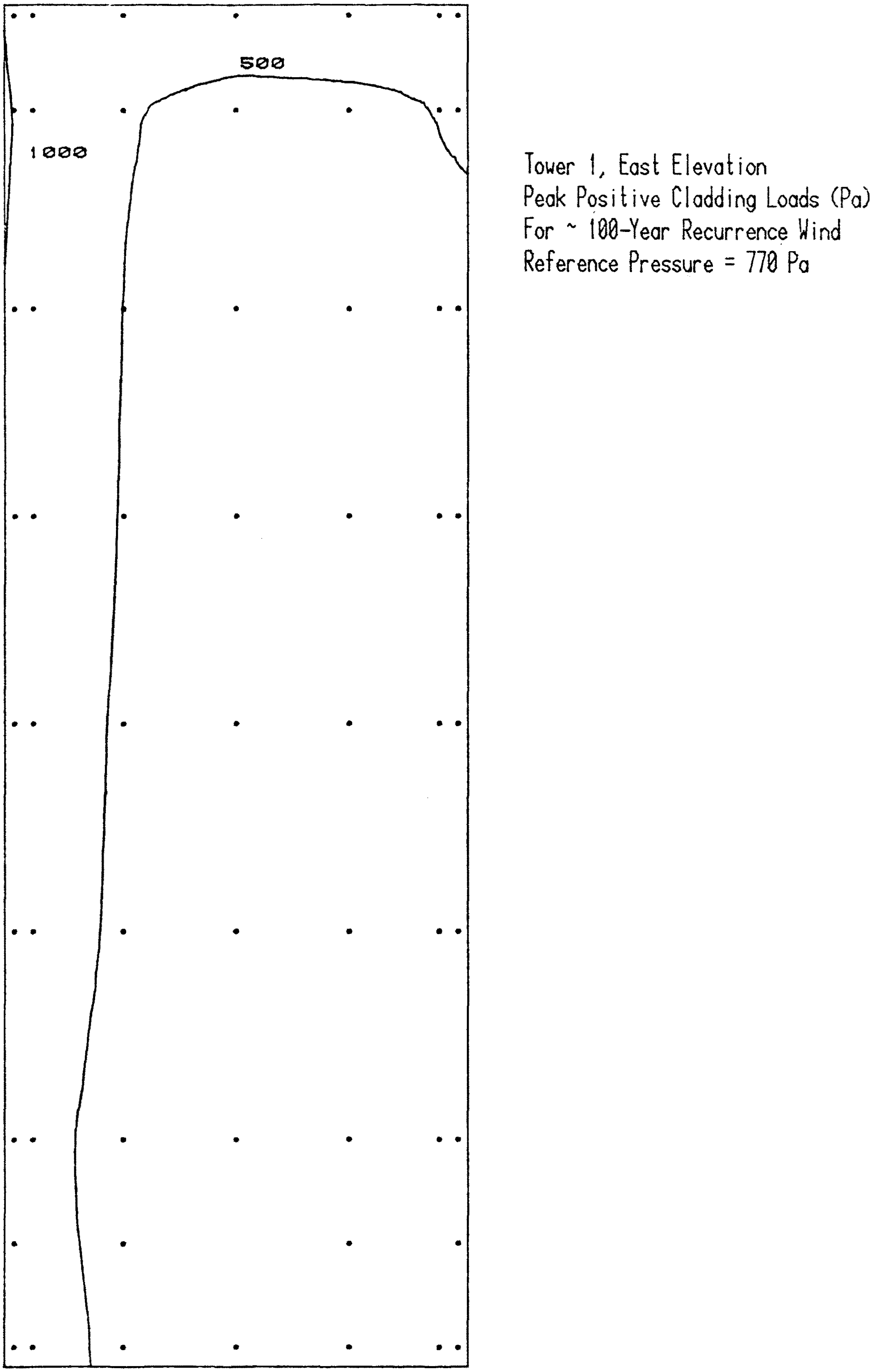
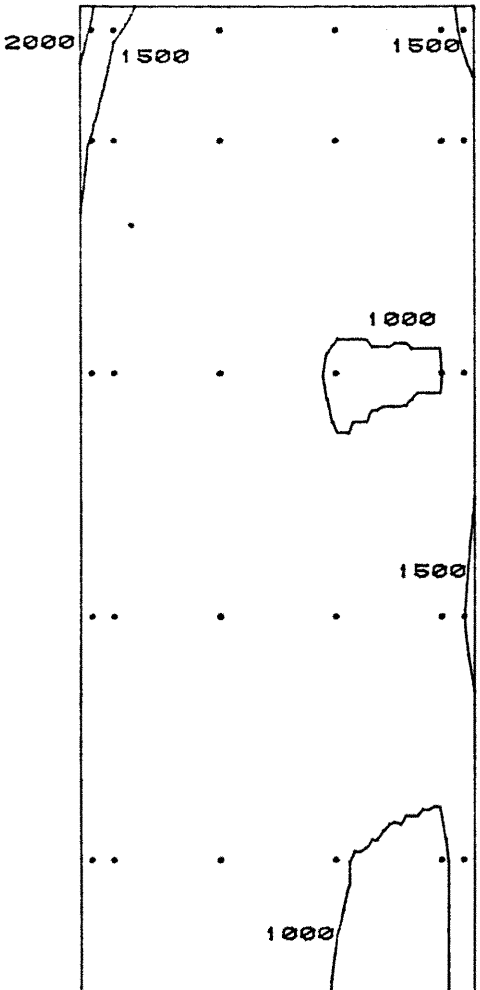
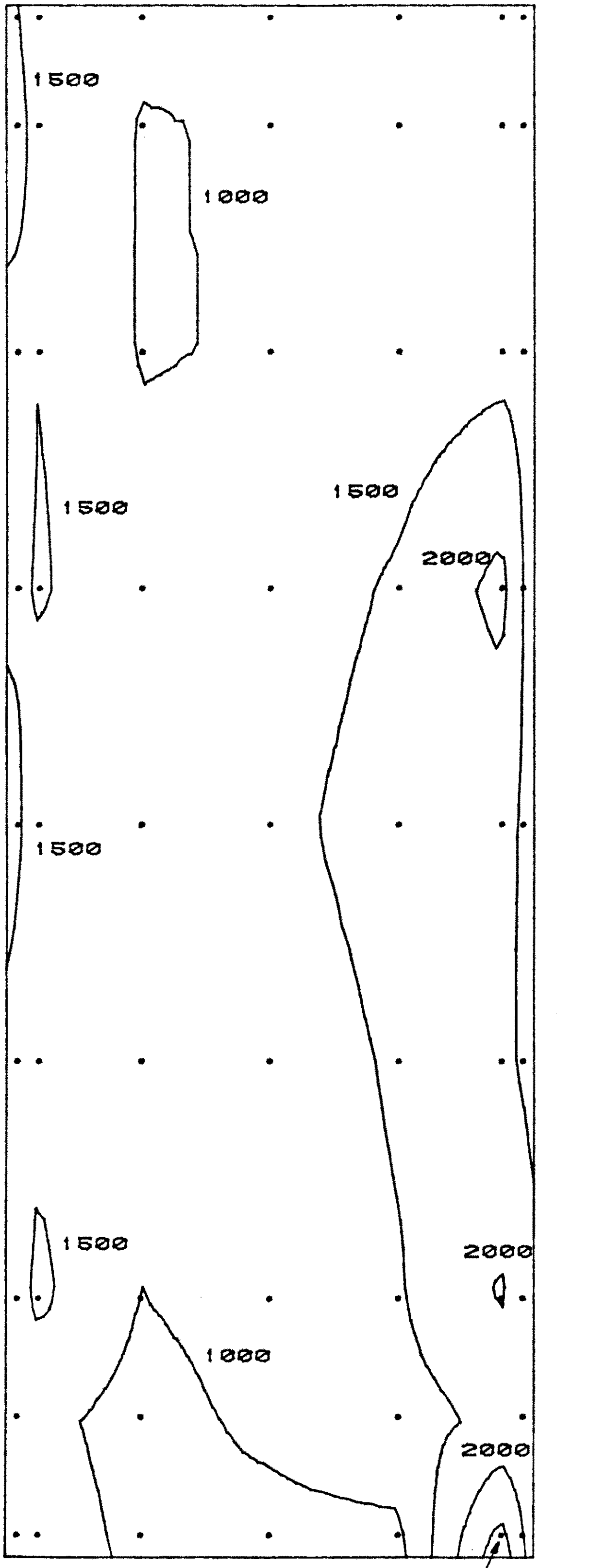


Figure 12h. Peak Pressure Contours on the Building for Cladding Loads



Tower 2, North Elevation
Peak Negative Cladding Loads (Pa)
For ~ 100-Year Recurrence Wind
Reference Pressure = 770 Pa

Figure 12i. Peak Pressure Contours on the Building for Cladding Loads



Tower 2, West Elevation
Peak Negative Cladding Loads (Pa)
For ~ 100-Year Recurrence Wind
Reference Pressure = 770 Pa

Figure 12j. Peak Pressure Contours on the Building for Cladding Loads

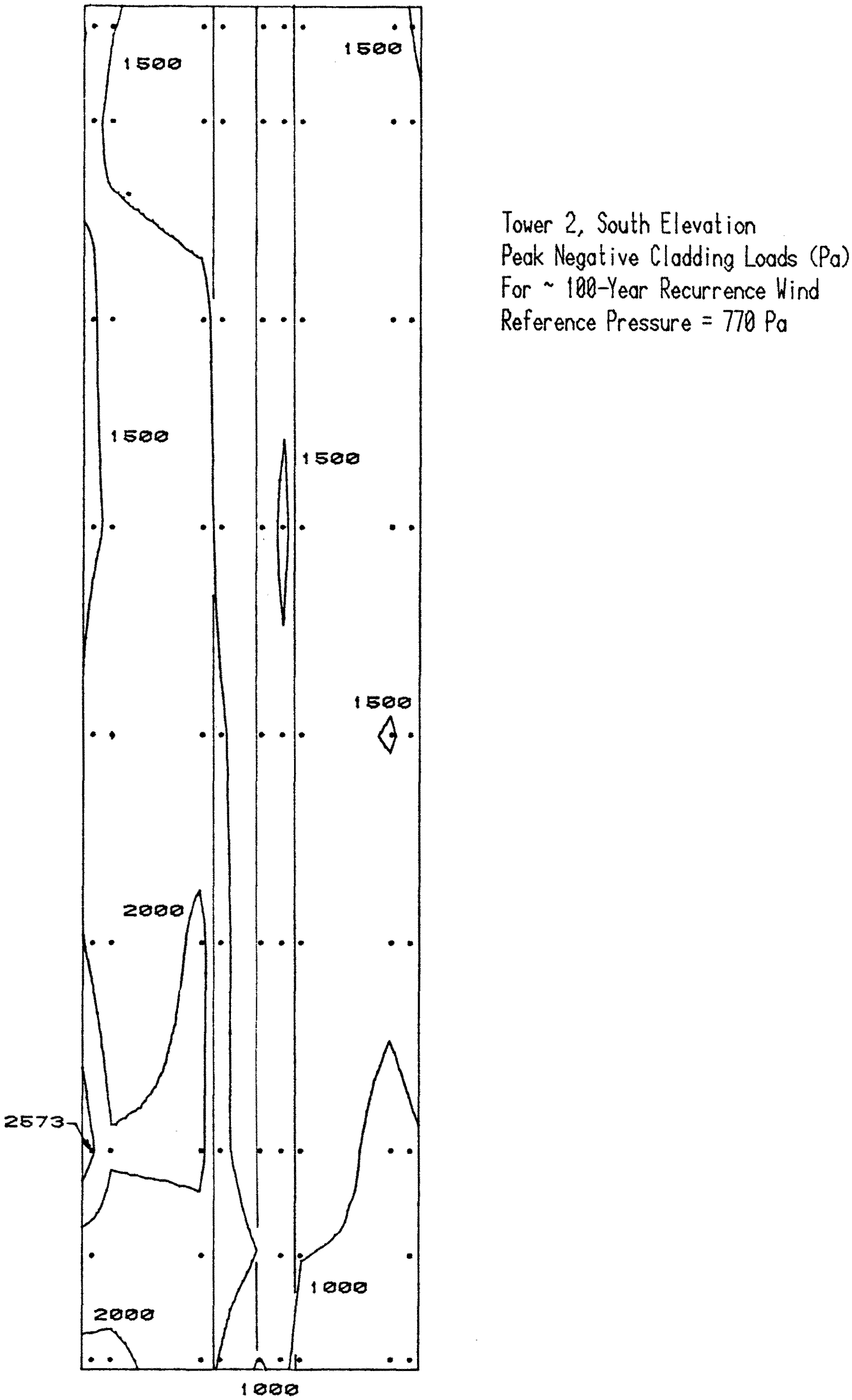


Figure 12k. Peak Pressure Contours on the Building for Cladding Loads

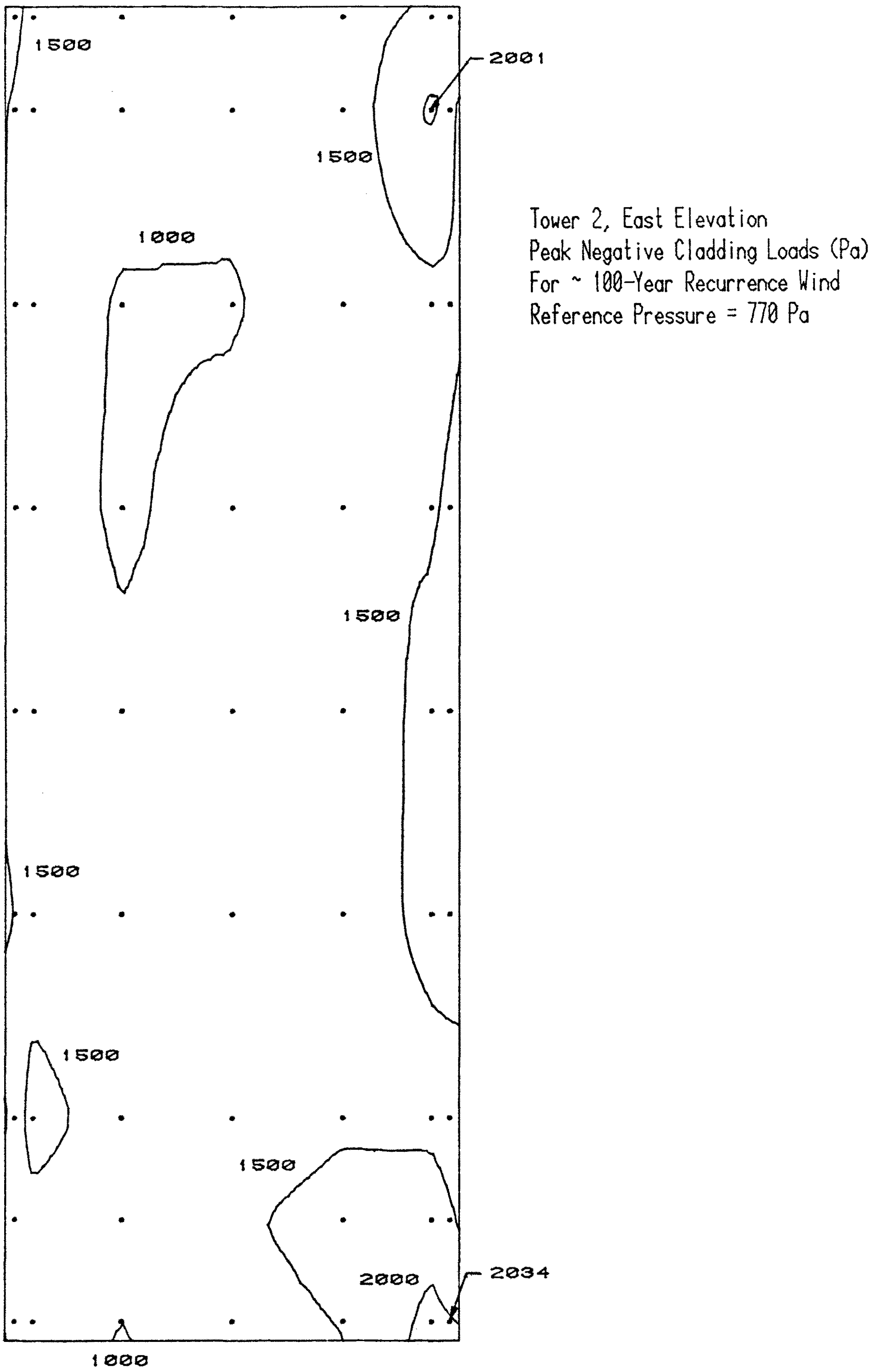


Figure 121. Peak Pressure Contours on the Building for Cladding Loads

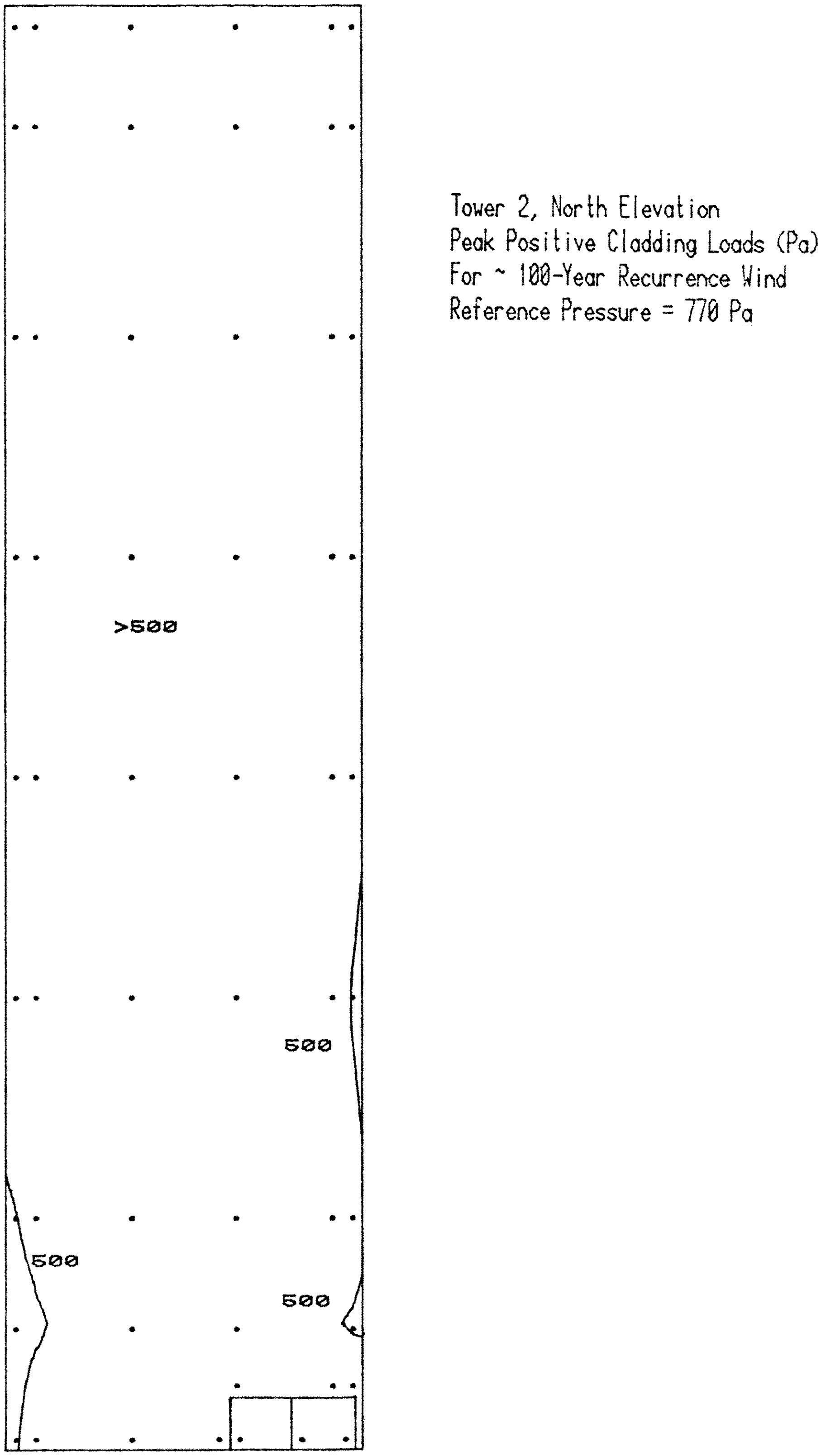


Figure 12m. Peak Pressure Contours on the Building for Cladding Loads

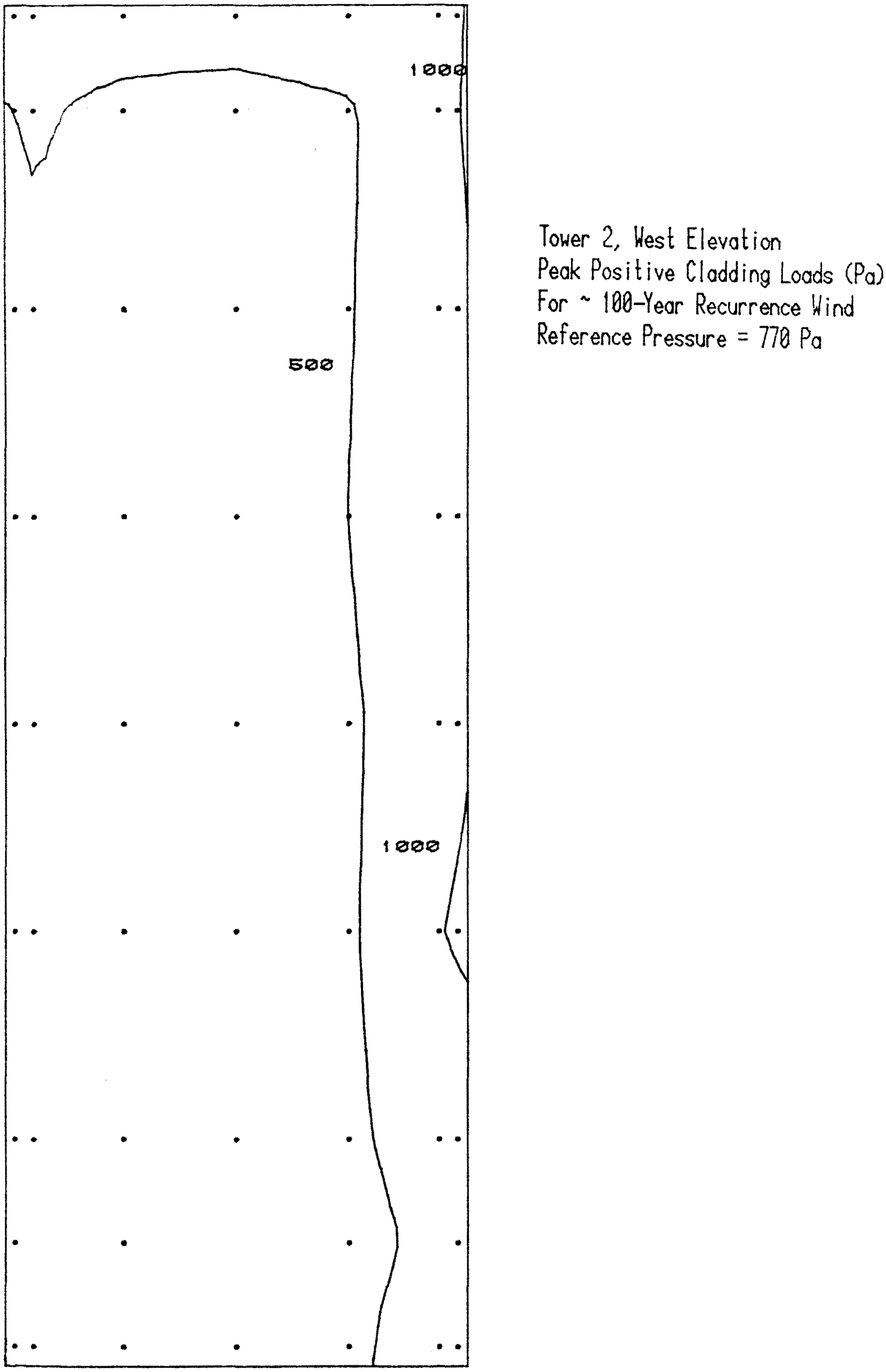
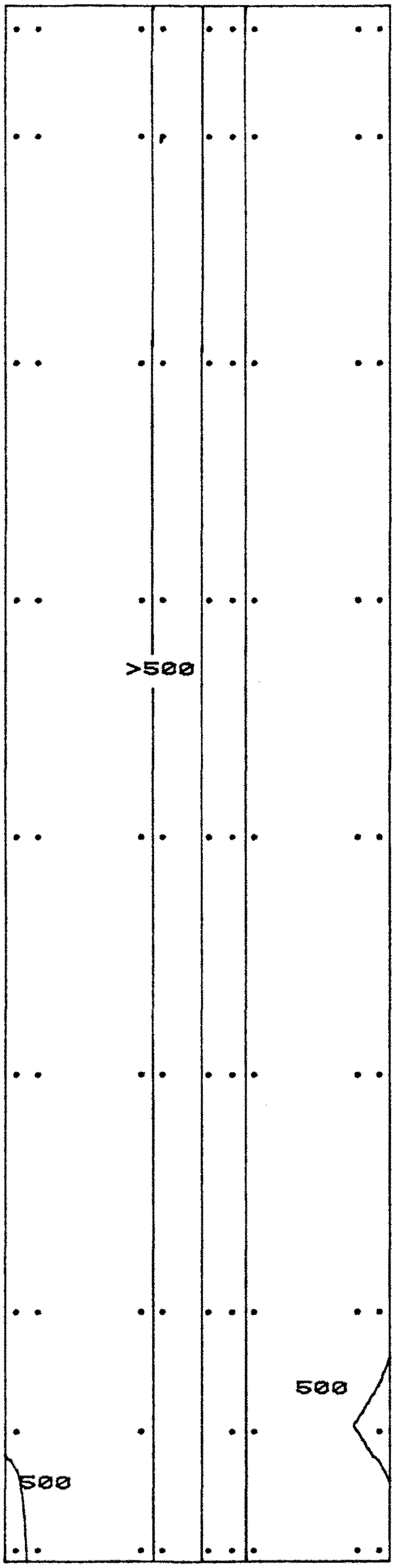


Figure 12n. Peak Pressure Contours on the Building for Cladding Loads



Tower 2, South Elevation
Peak Positive Cladding Loads (Pa)
For ~ 100-Year Recurrence Wind
Reference Pressure = 770 Pa

Figure 12o. Peak Pressure Contours on the Building for Cladding Loads

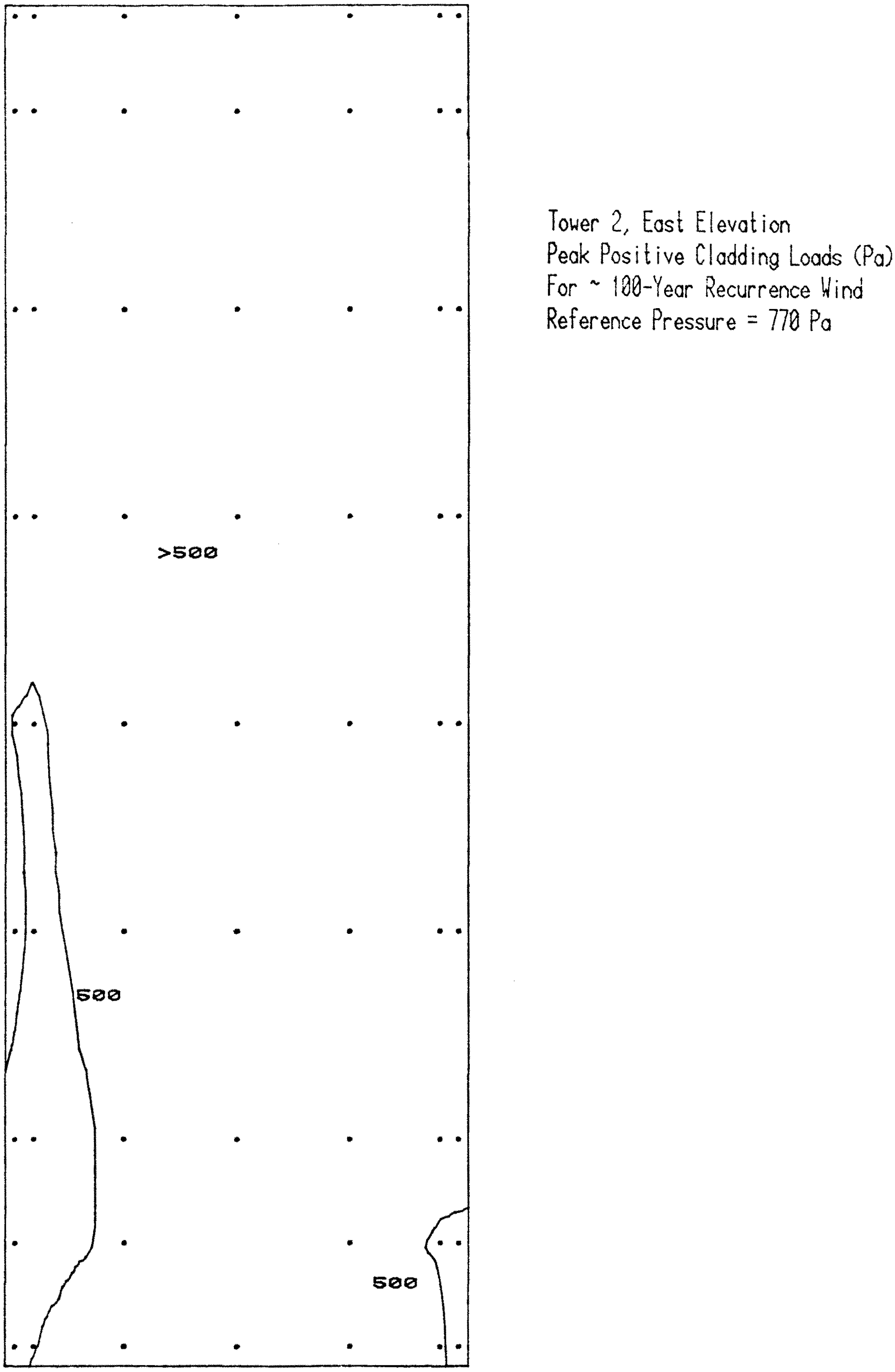


Figure 12p. Peak Pressure Contours on the Building for Cladding Loads

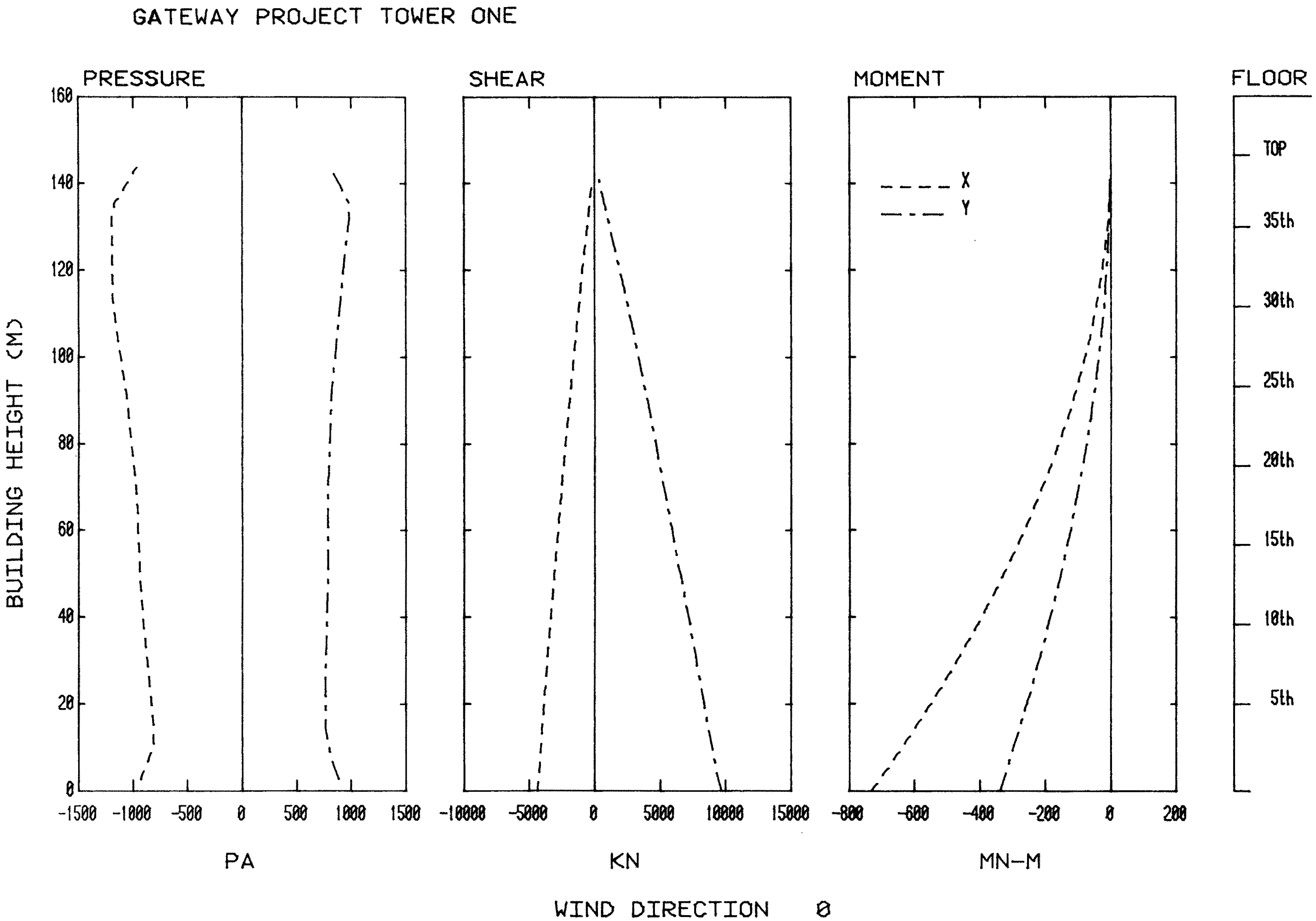


Figure 13. Load, Shear, and Moment Diagrams for Selected Wind Directions

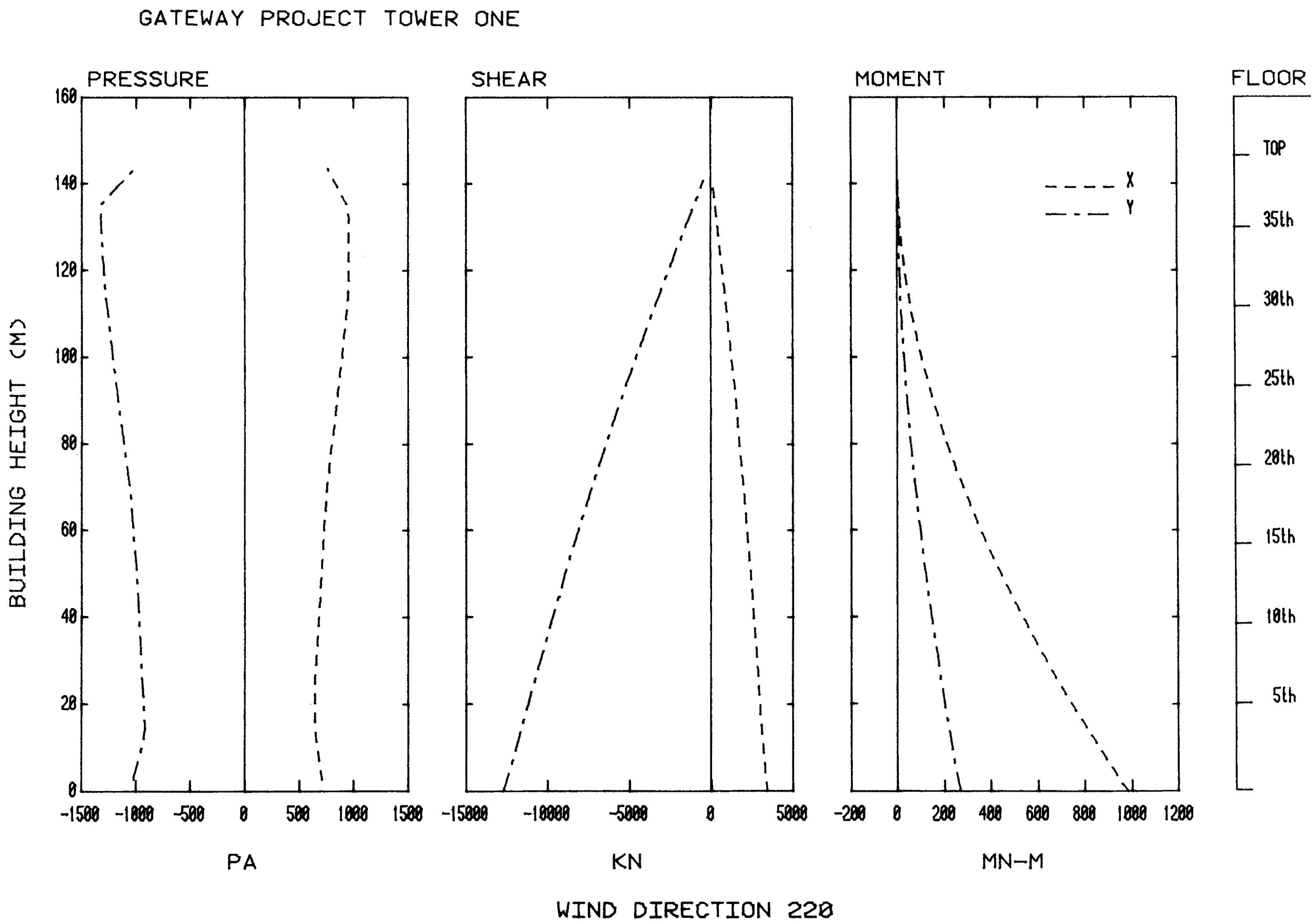


Figure 13. Load, Shear, and Moment Diagrams for Selected Wind Directions

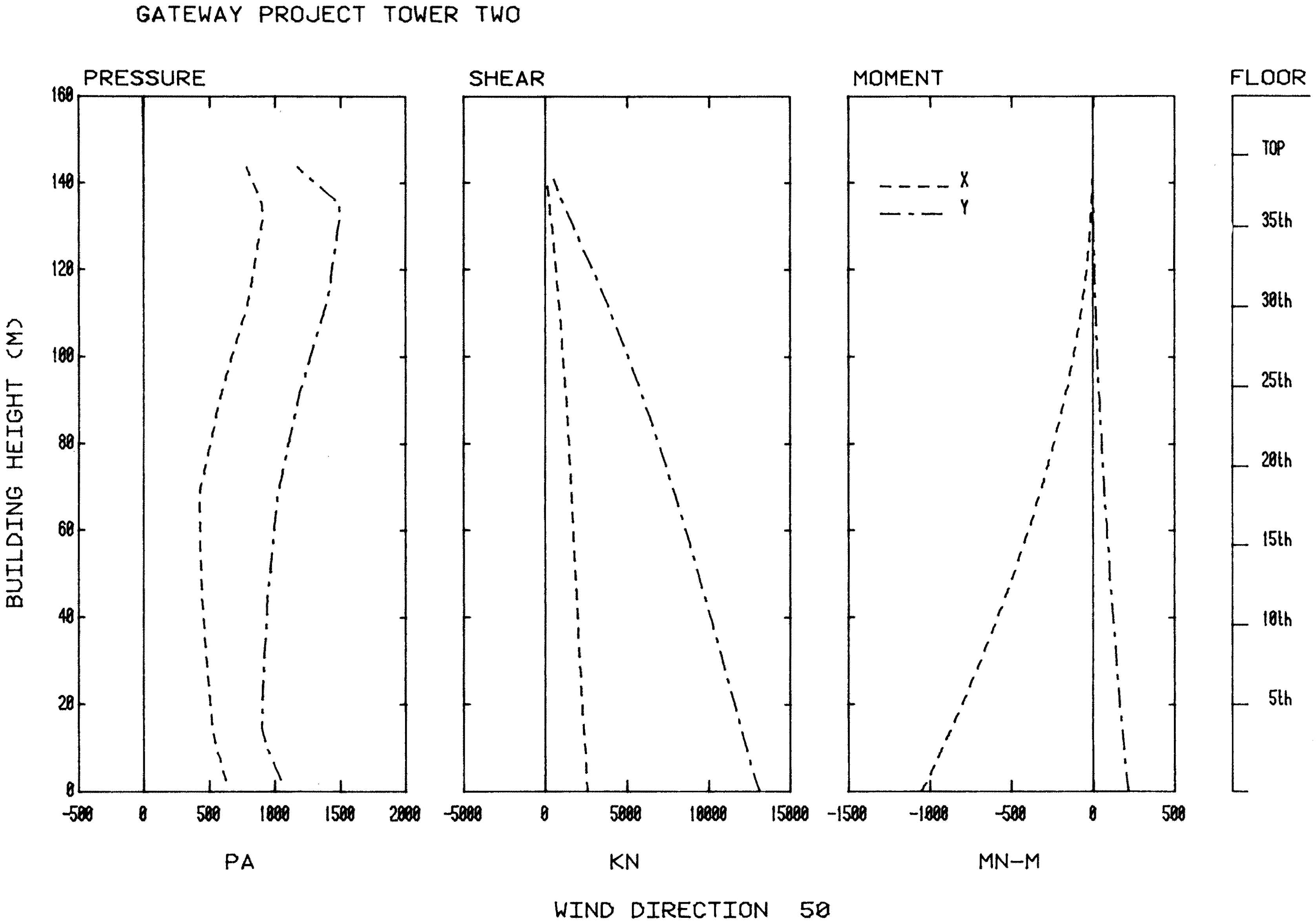


Figure 13. Load, Shear, and Moment Diagrams for Selected Wind Directions

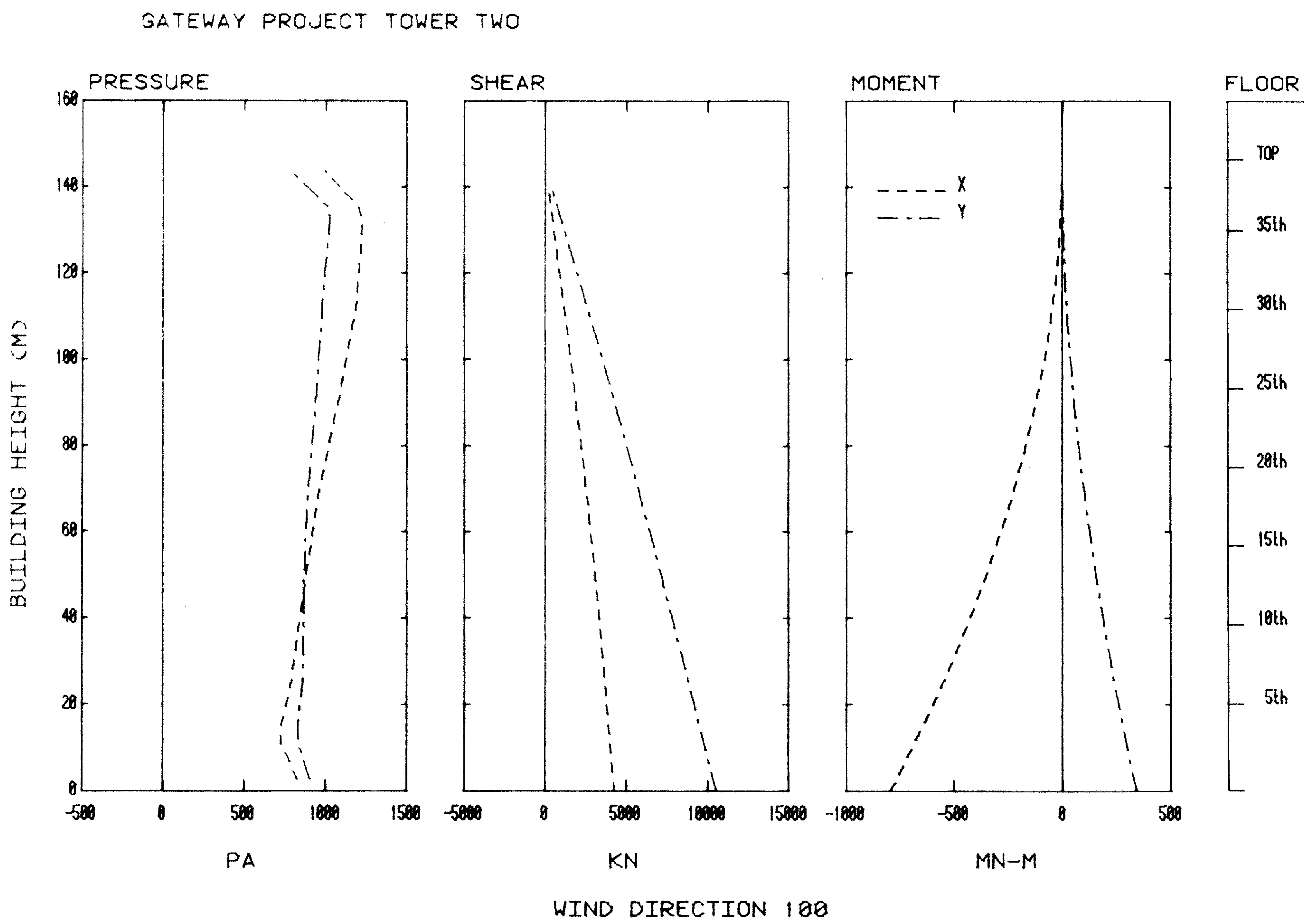


Figure 13. Load, Shear, and Moment Diagrams for Selected Wind Directions

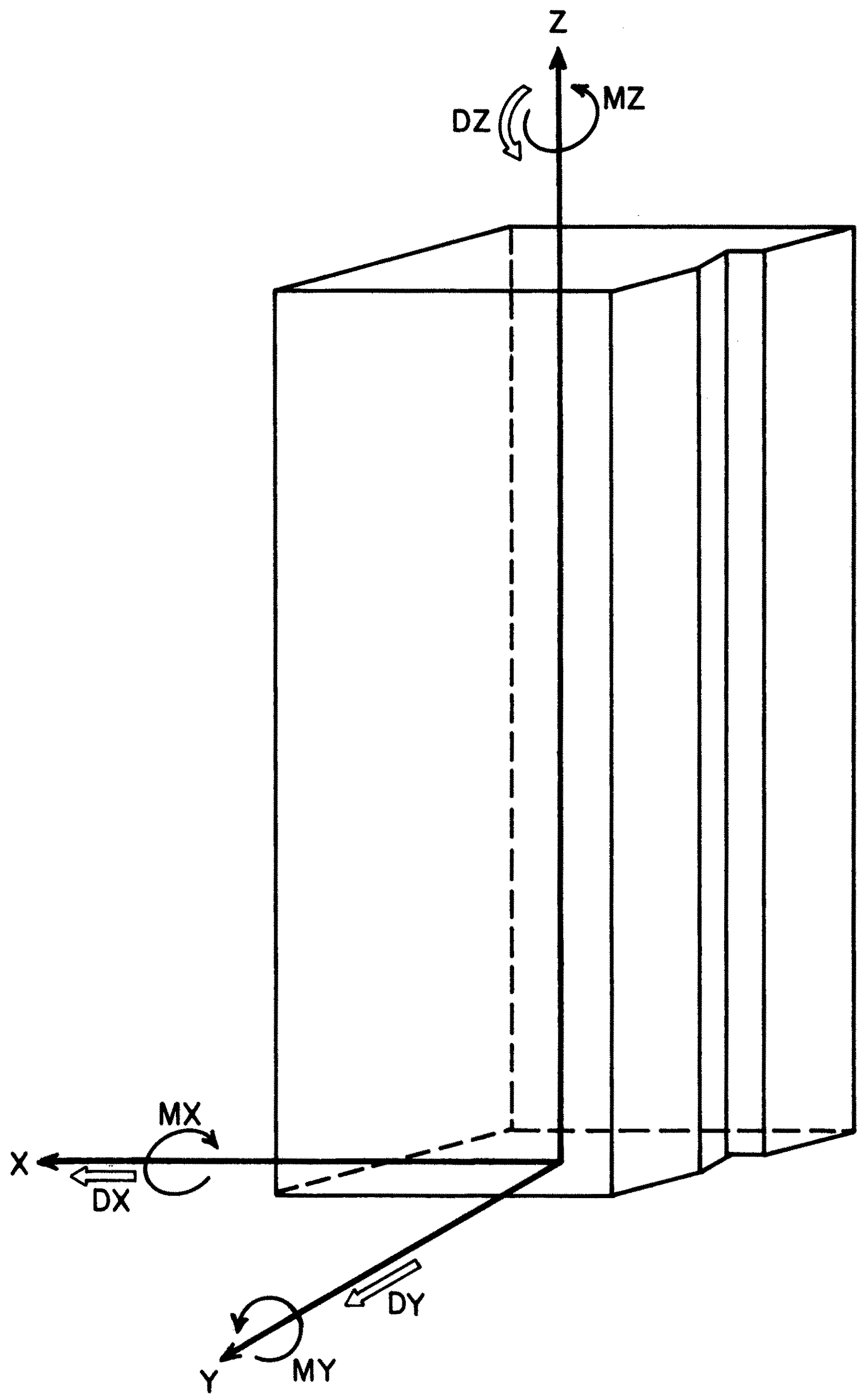


Figure 14. Sign Convention for Base Moments and Top Floor Deflection

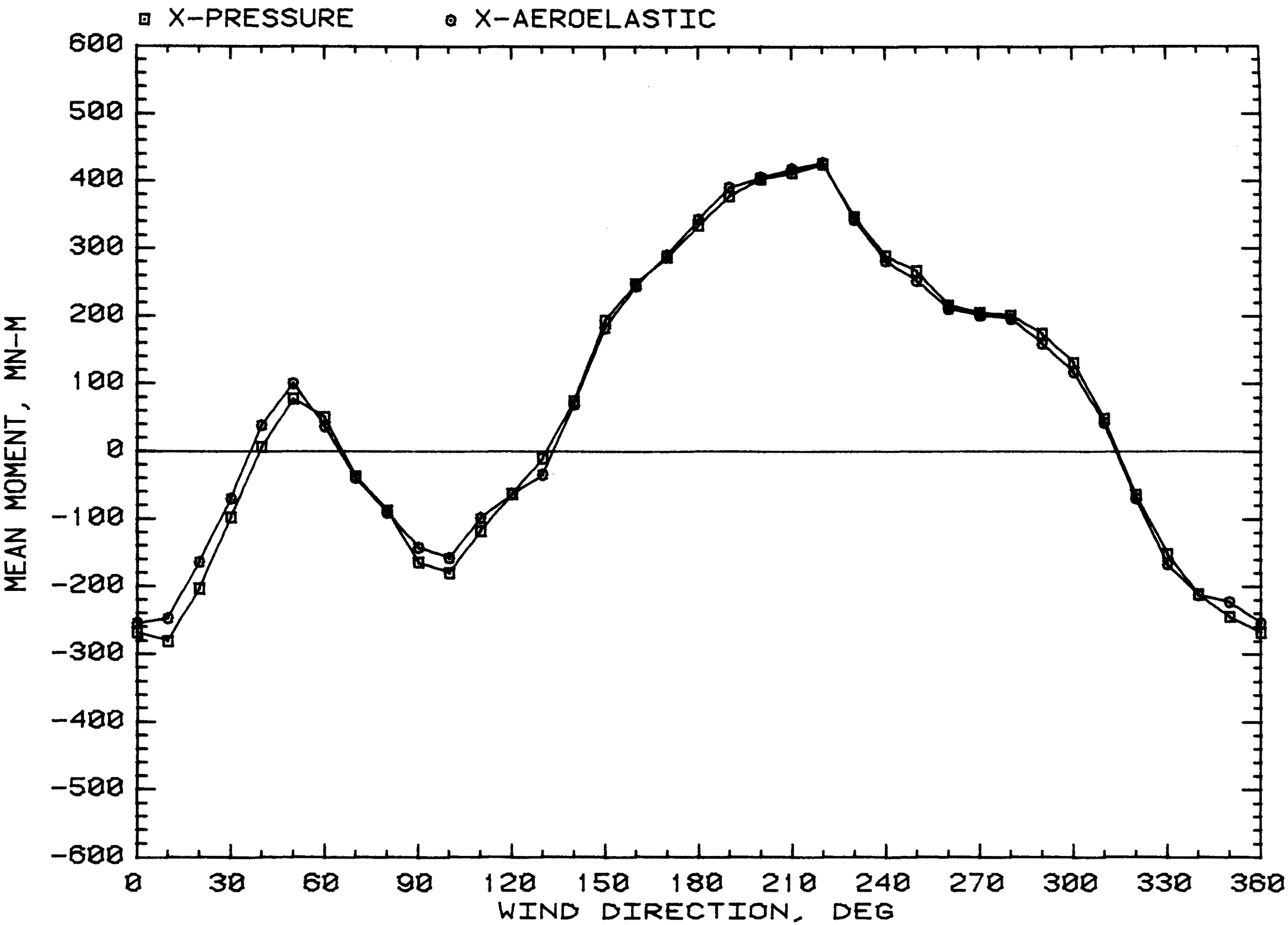


Figure 15a. Comparison of Pressure-Model with Aeroelastic-Model Data
(mean gradient ht. velocity = 35 m/s)

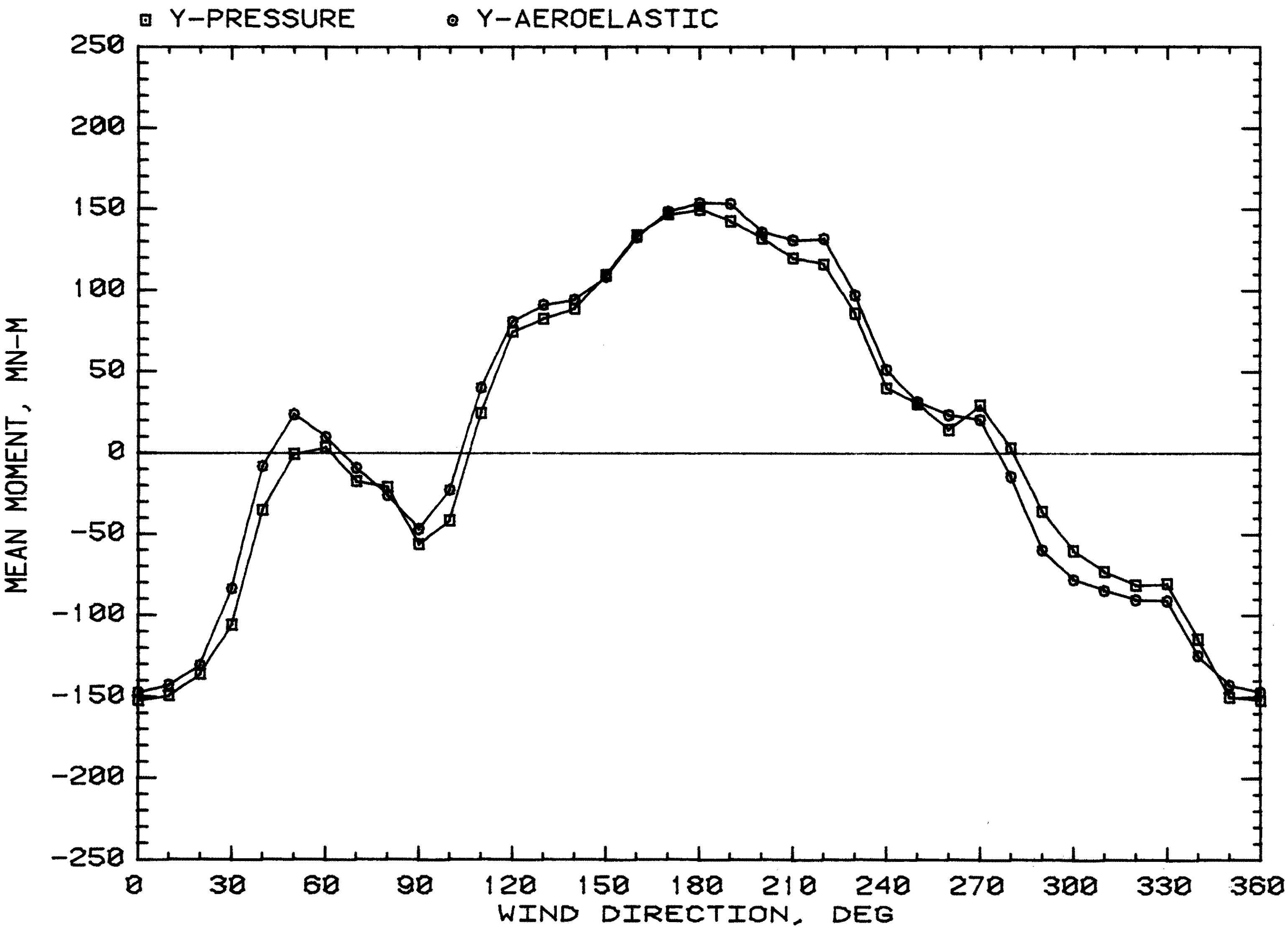


Figure 15b. Comparison of Pressure-Model with Aeroelastic-Model Data
(mean gradient ht. velocity = 35 m/s)

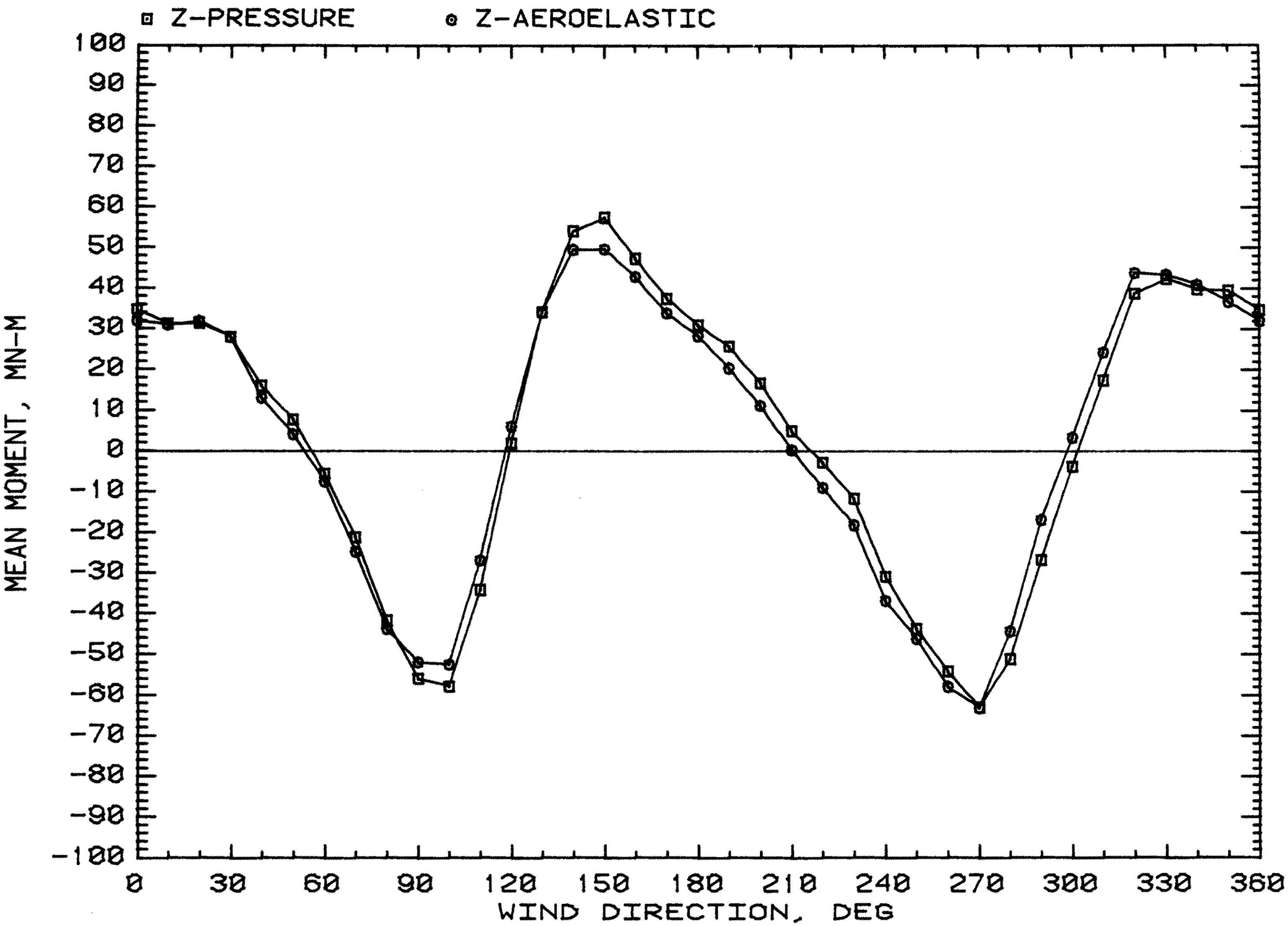
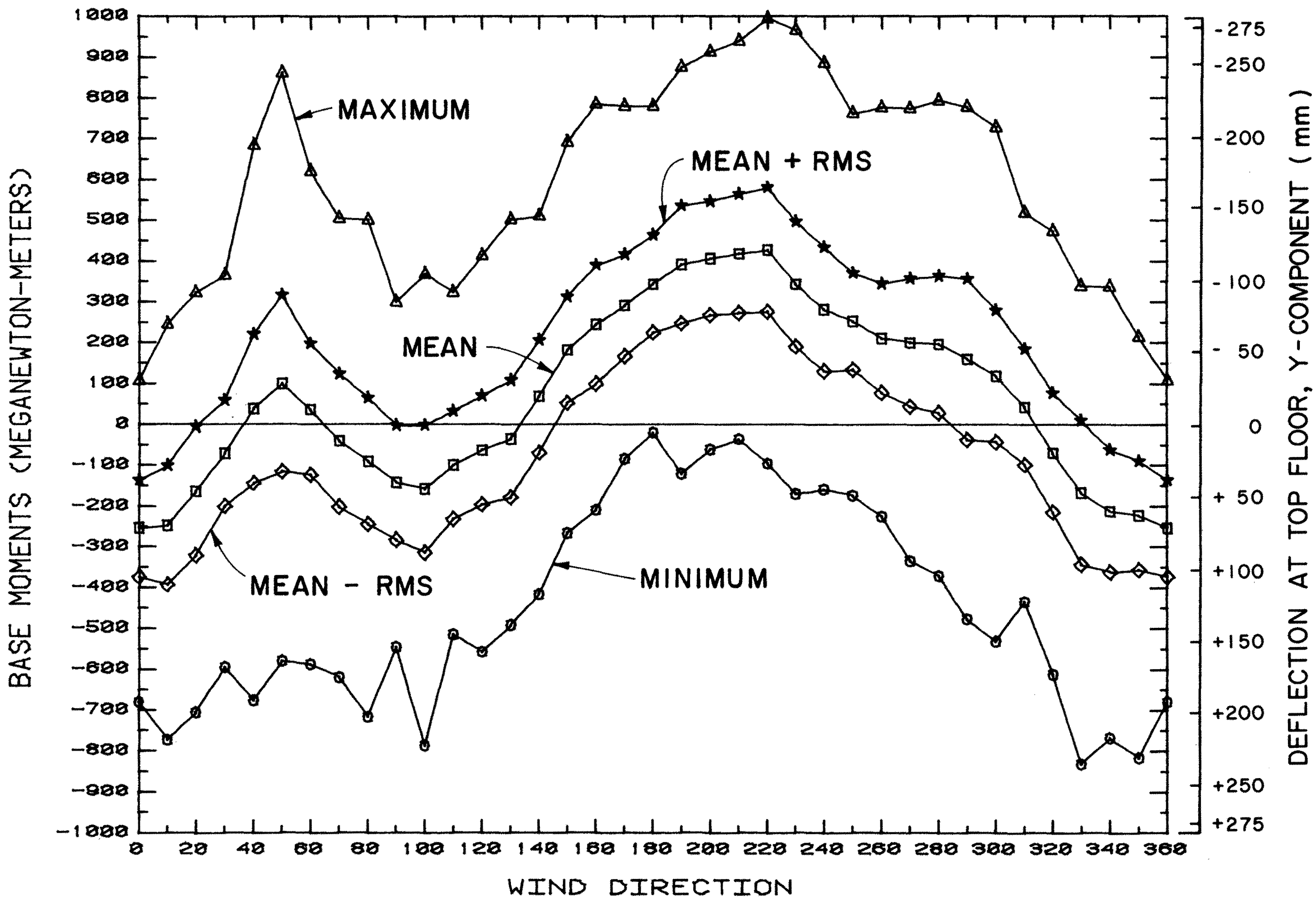
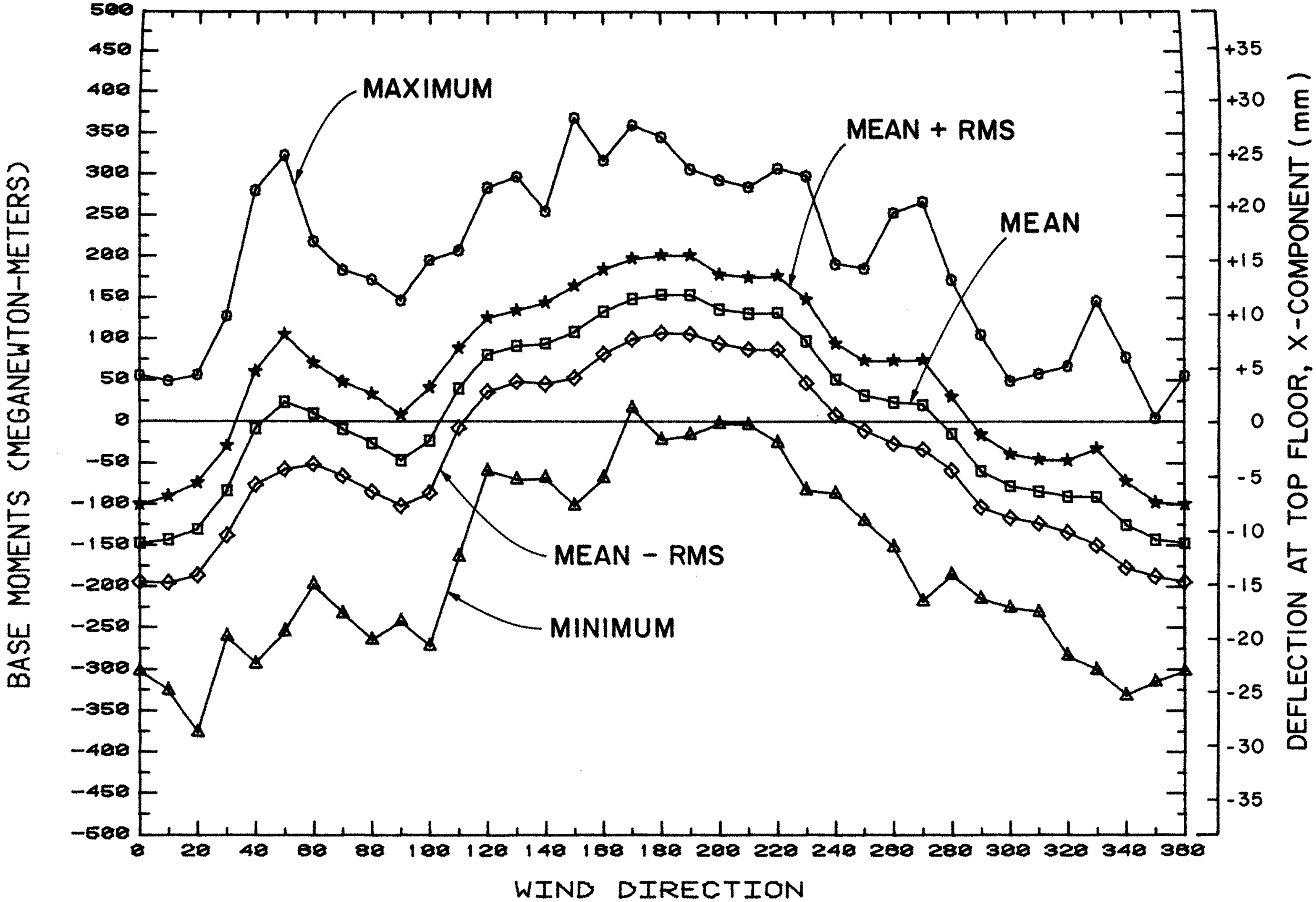


Figure 15c. Comparison of Pressure-Model with Aeroelastic-Model Data
(mean gradient ht. velocity = 35 m/s)



BASE MOMENTS VS. WIND DIRECTION; X-COMPONENT

Figure 16a. Base Moments and Corresponding Top Floor Deflection



BASE MOMENTS VS. WIND DIRECTION; Y-COMPONENT

Figure 16b. Base Moments and Corresponding Top Floor Deflection

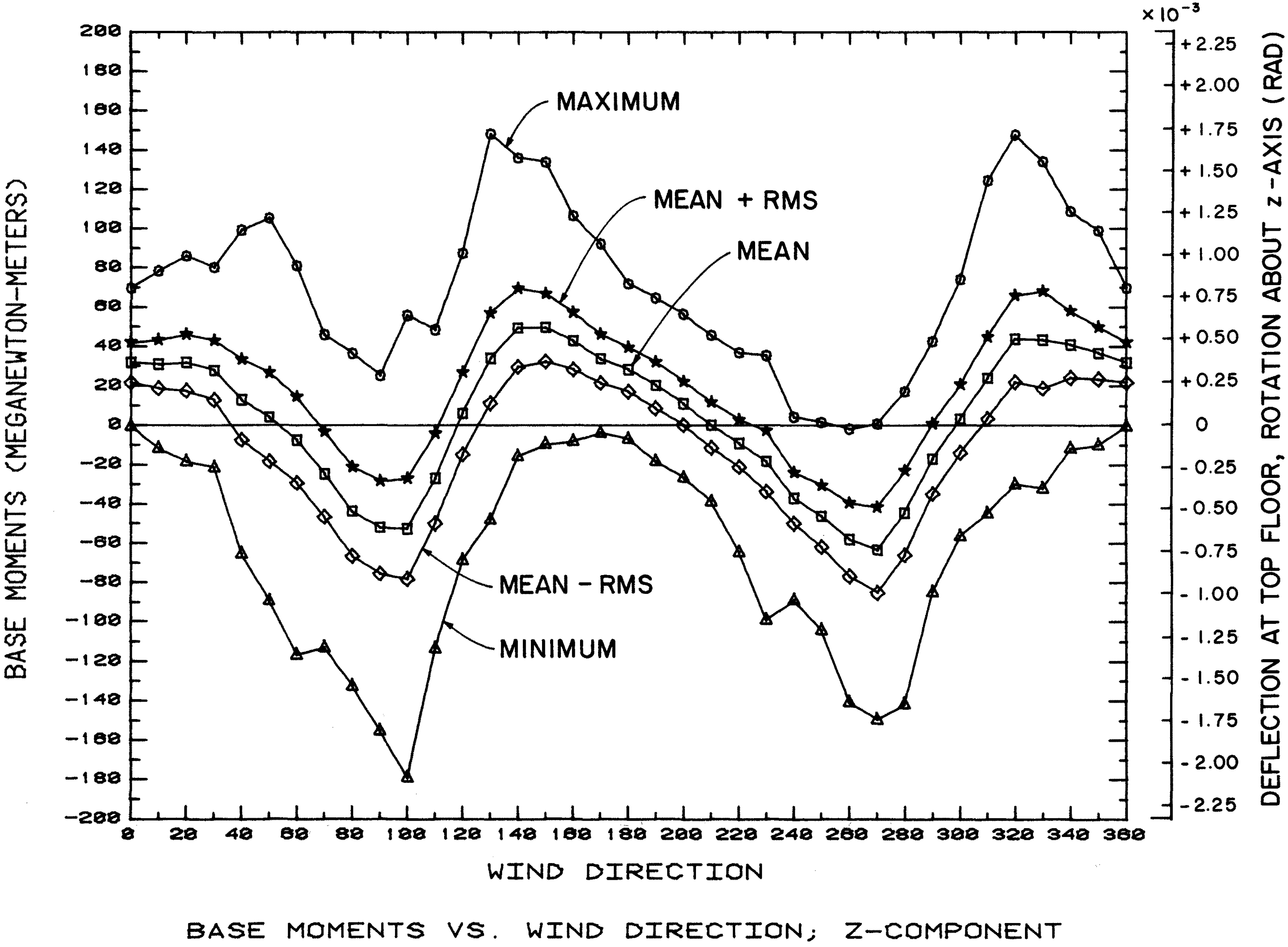
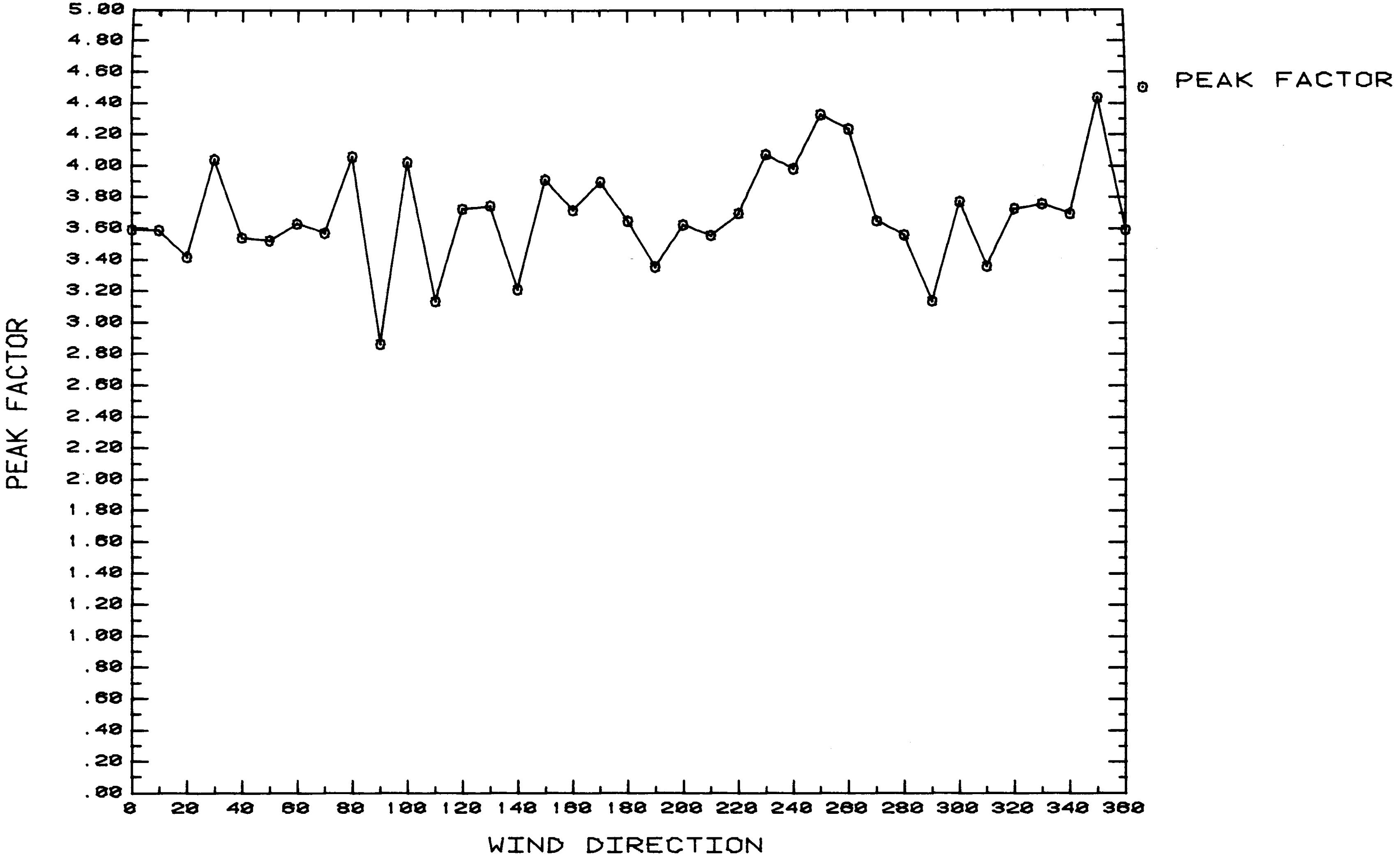


Figure 16c. Base Moments and Corresponding Top Floor Deflection



PEAK FACTOR VS. WIND DIRECTION; X-COMPONENT

Figure 17a. Peak Factor for Base Moments

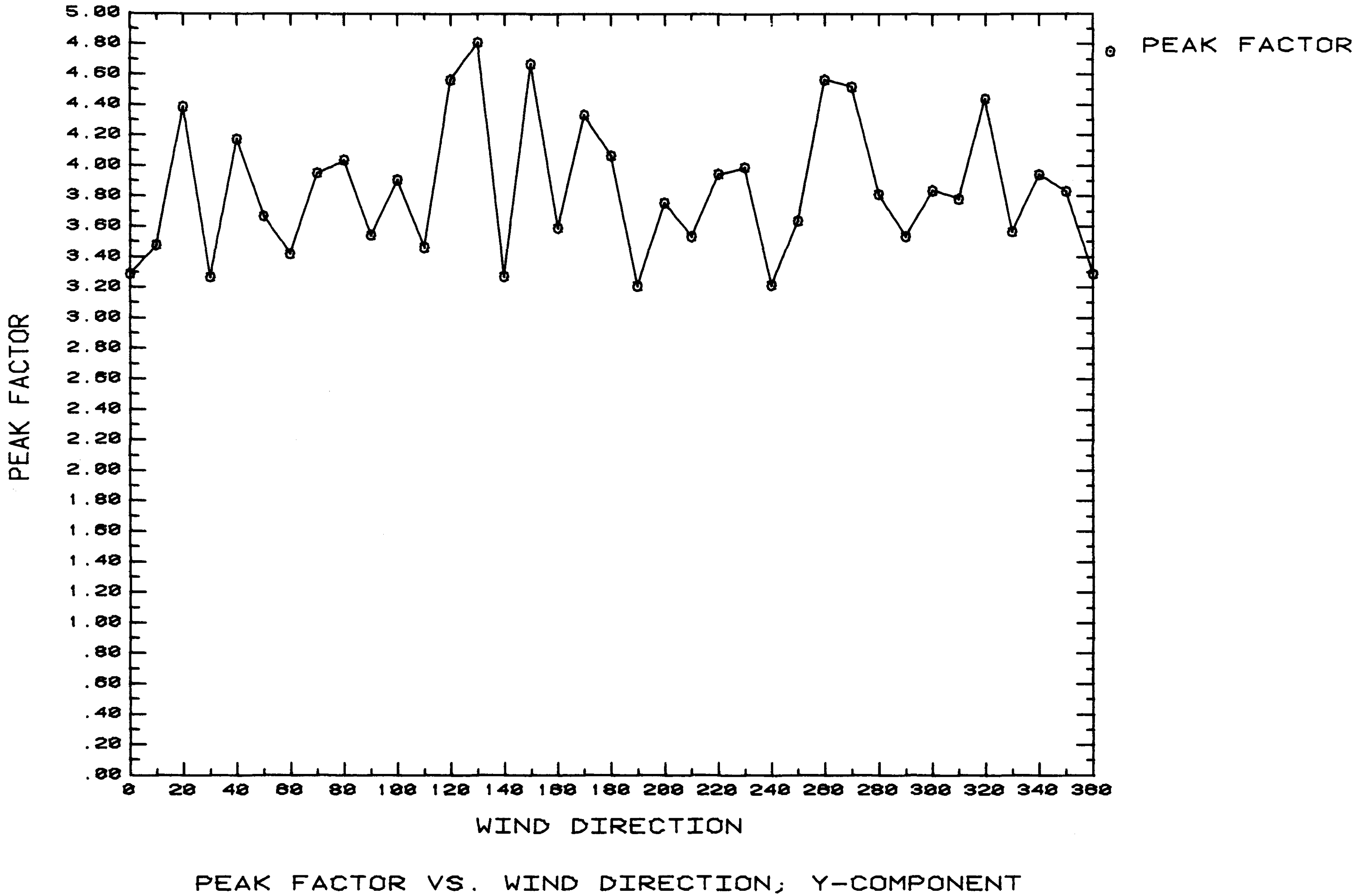
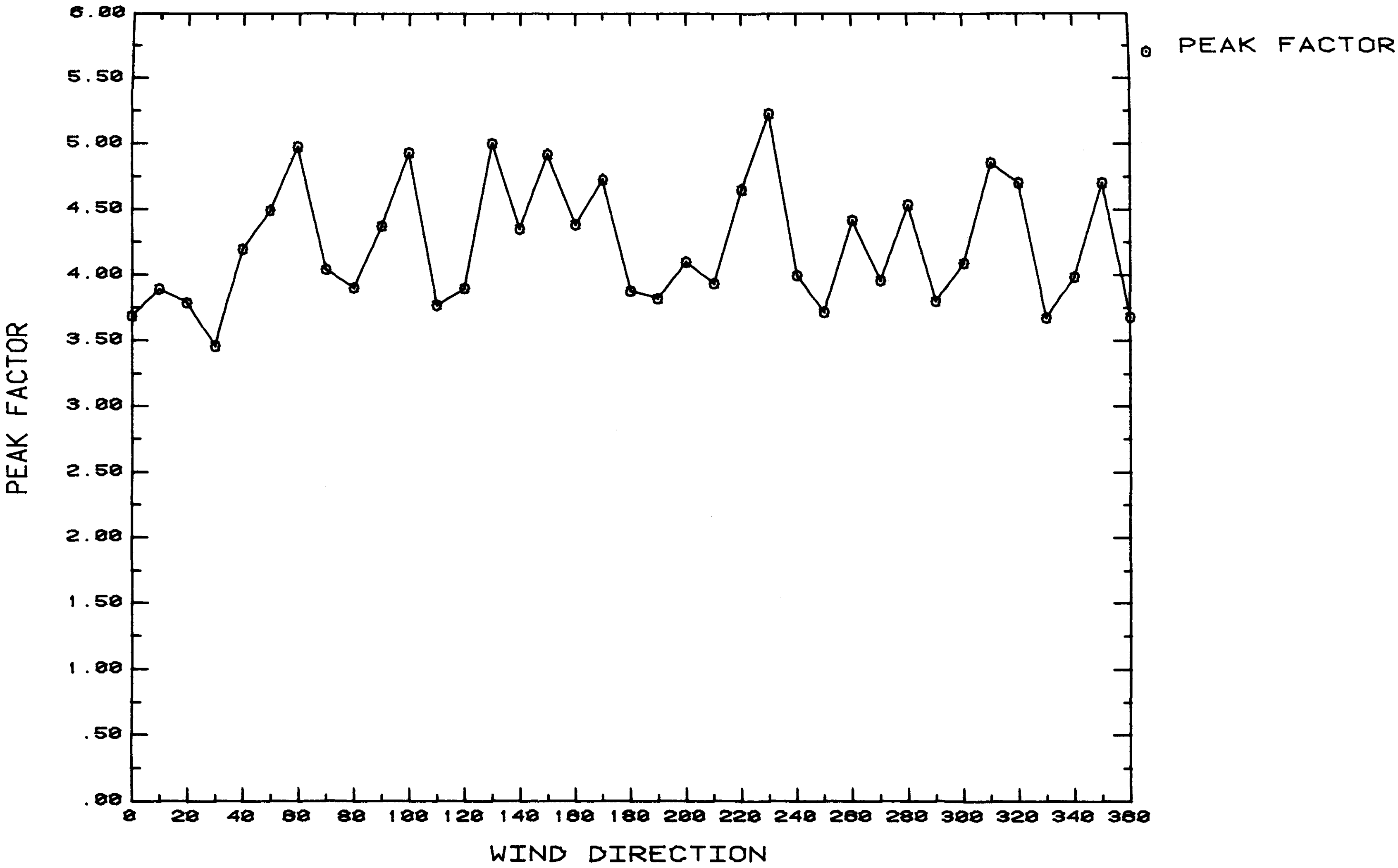


Figure 17b. Peak Factor for Base Moments



PEAK FACTOR VS. WIND DIRECTION; Z-COMPONENT

Figure 17c. Peak Factor for Base Moments

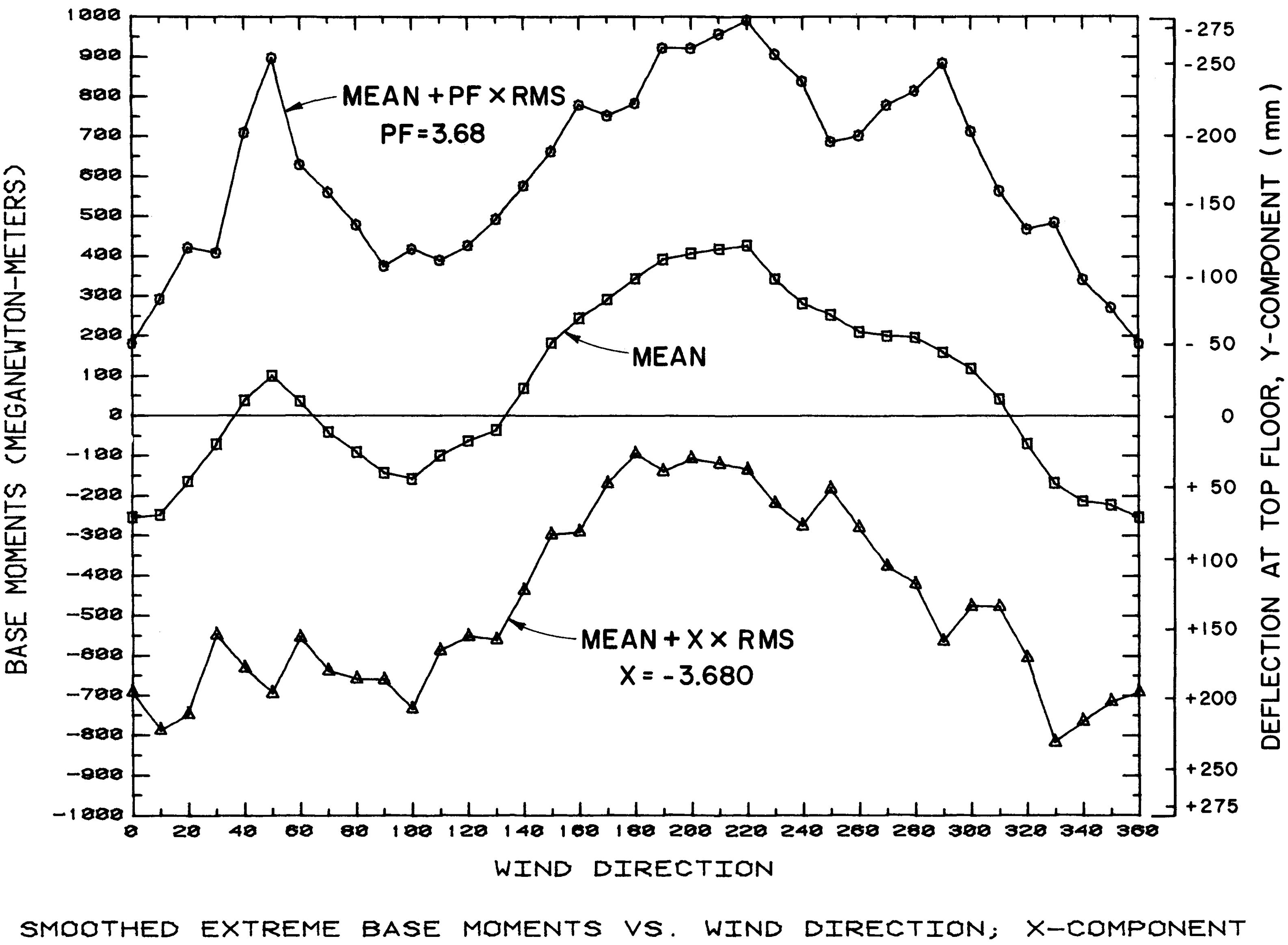
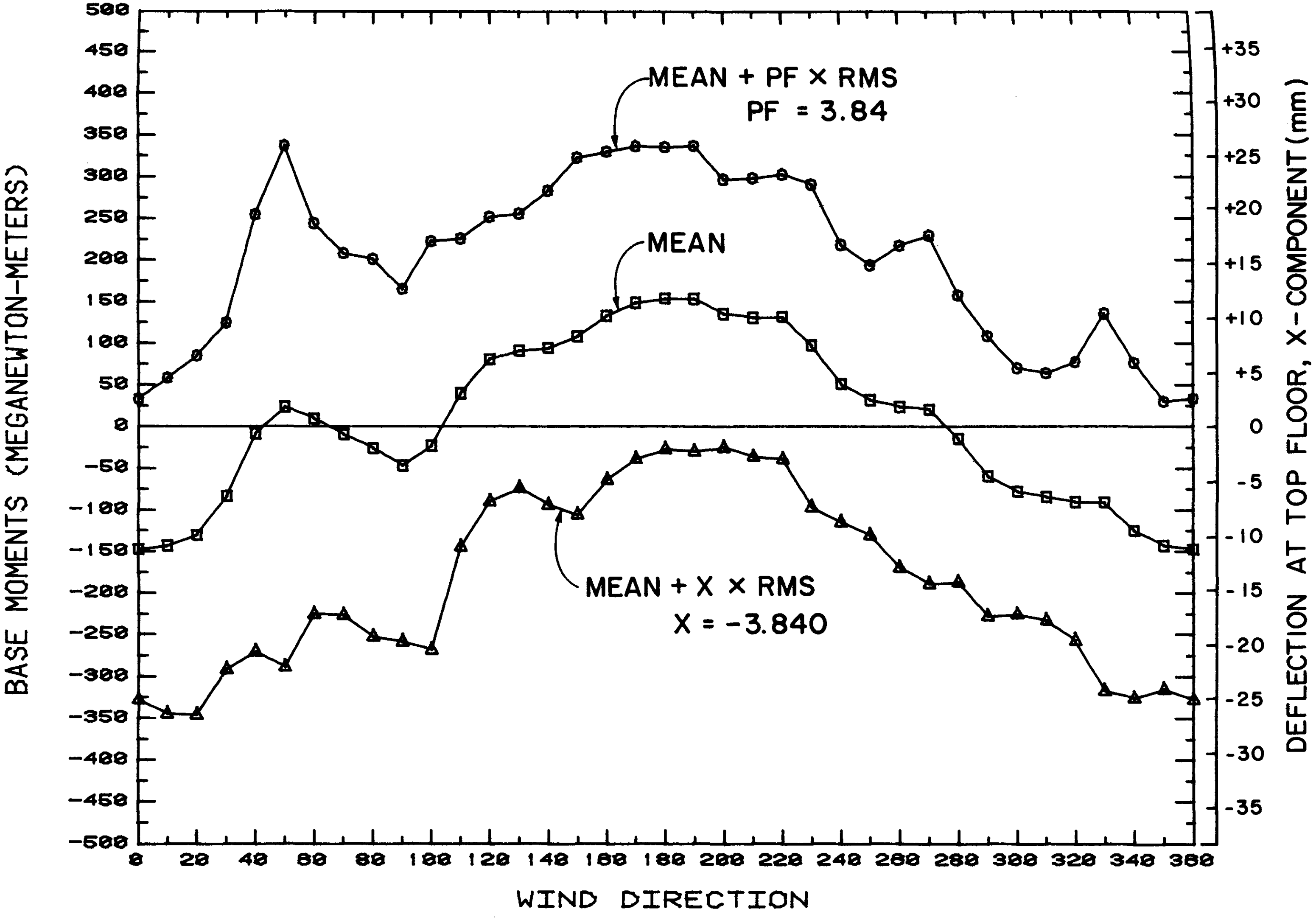
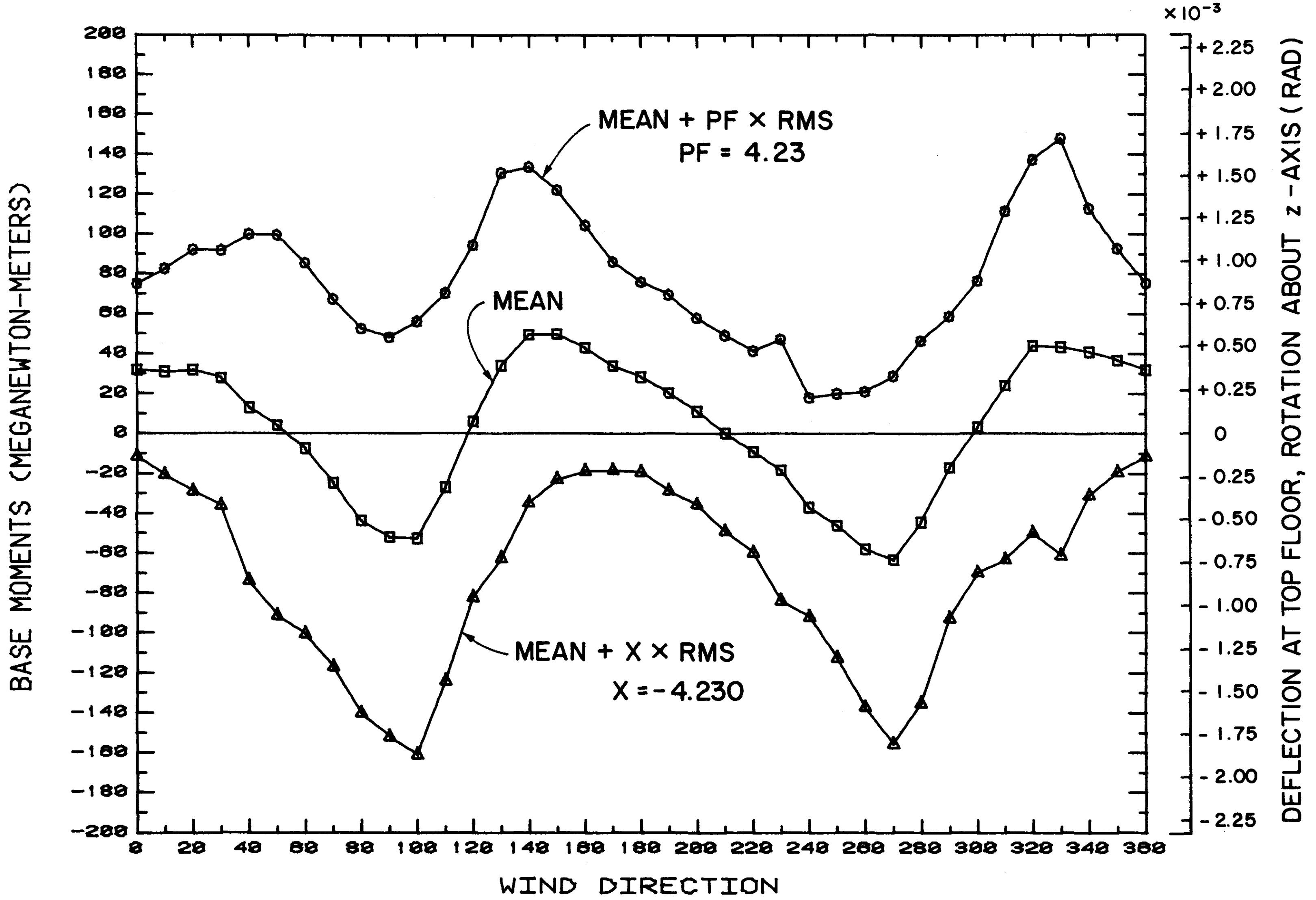


Figure 18a. Corrected Base Moments and Corresponding Top Floor Deflection



SMOOTHED EXTREME BASE MOMENTS VS. WIND DIRECTION; Y-COMPONENT

Figure 18b. Corrected Base Moments and Corresponding Top Floor Deflection



SMOOTHED EXTREME BASE MOMENTS VS. WIND DIRECTION; Z-COMPONENT

Figure 18c. Corrected Base Moments and Corresponding Top Floor Deflection

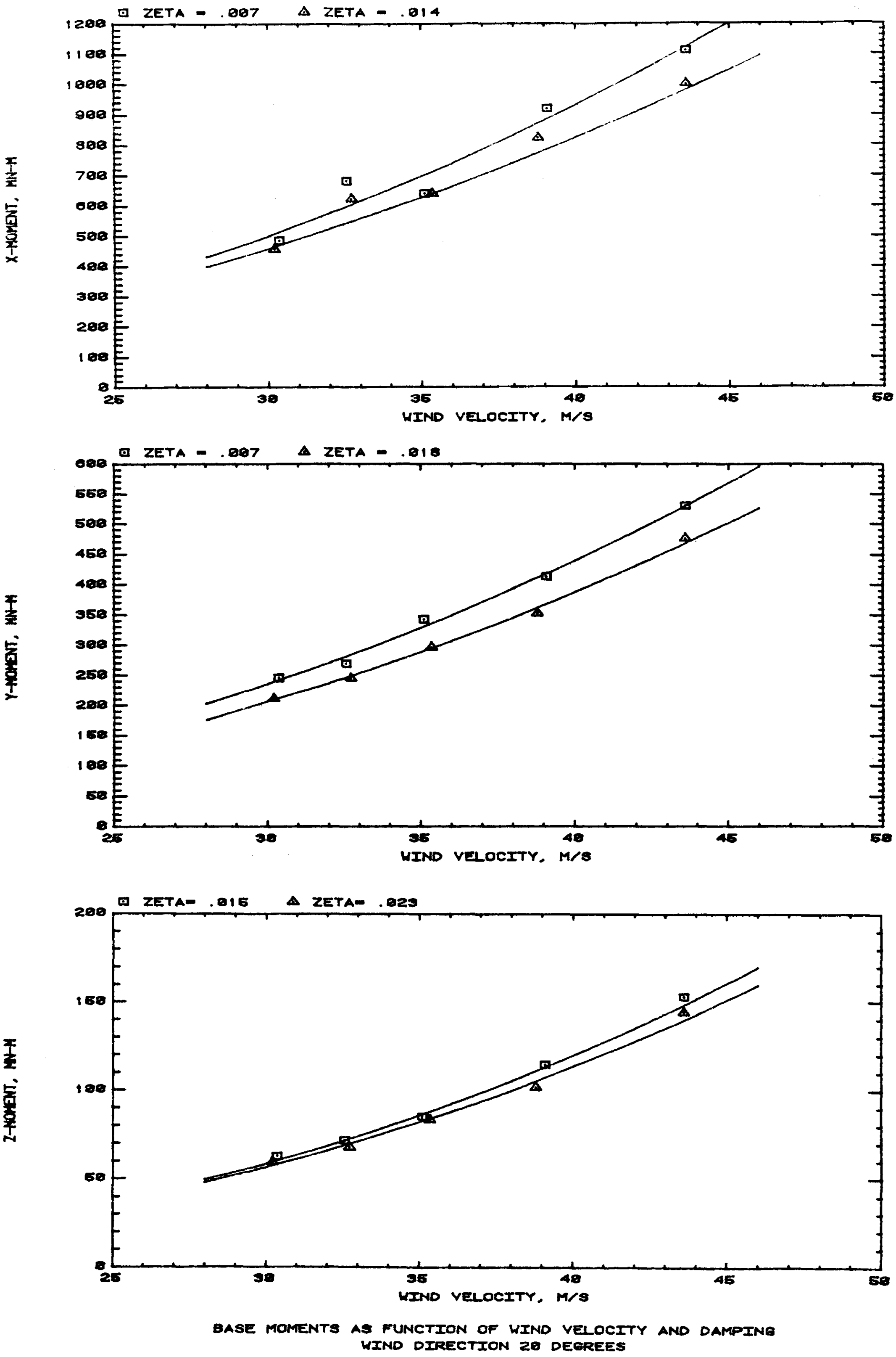


Figure 19a. Influence of Wind Velocity and Structural Damping on Peak Base Moments (wind velocity is hourly mean value at gradient height)

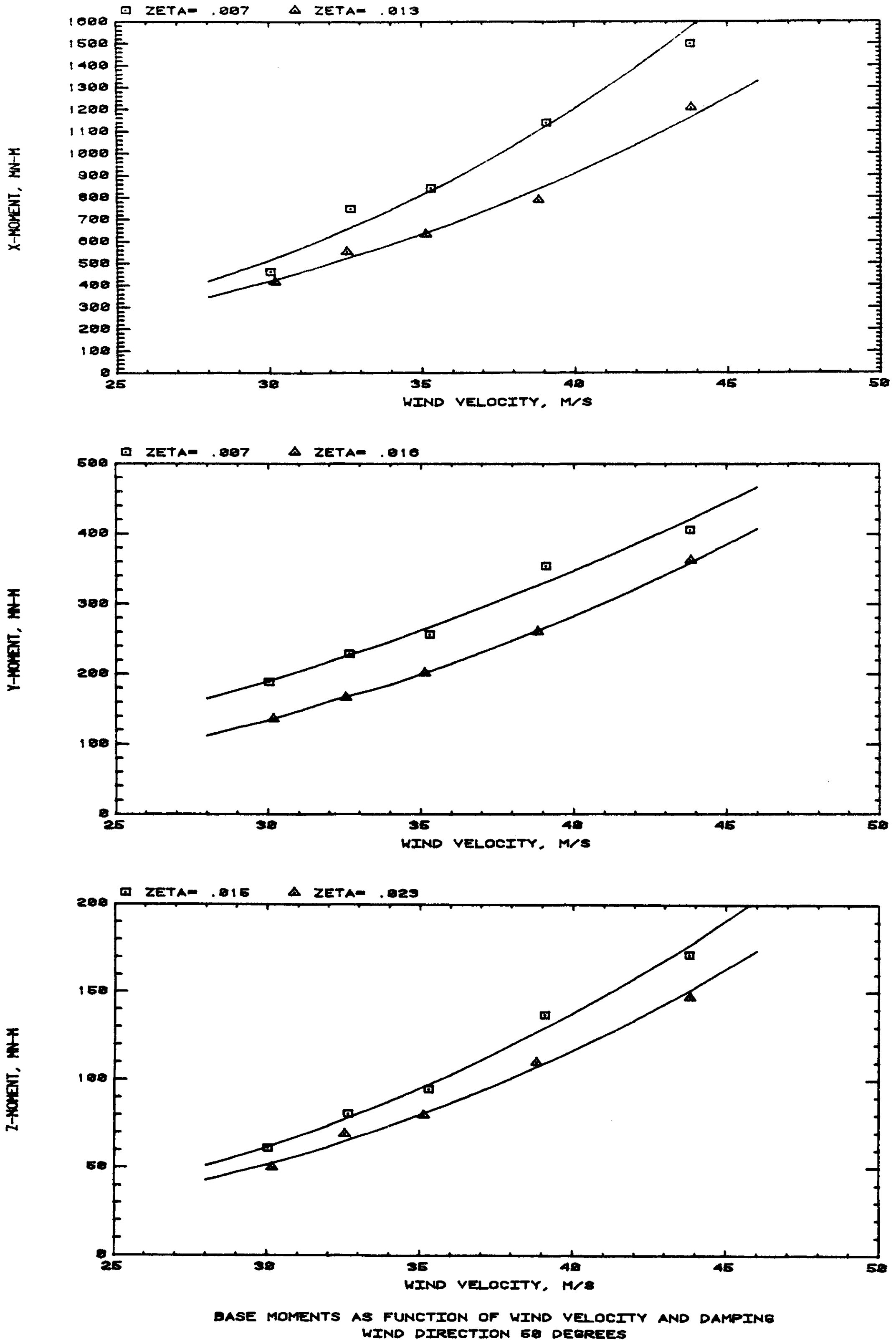


Figure 19b. Influence of Wind Velocity and Structural Damping on Peak Base Moments (wind velocity is hourly mean value at gradient height)

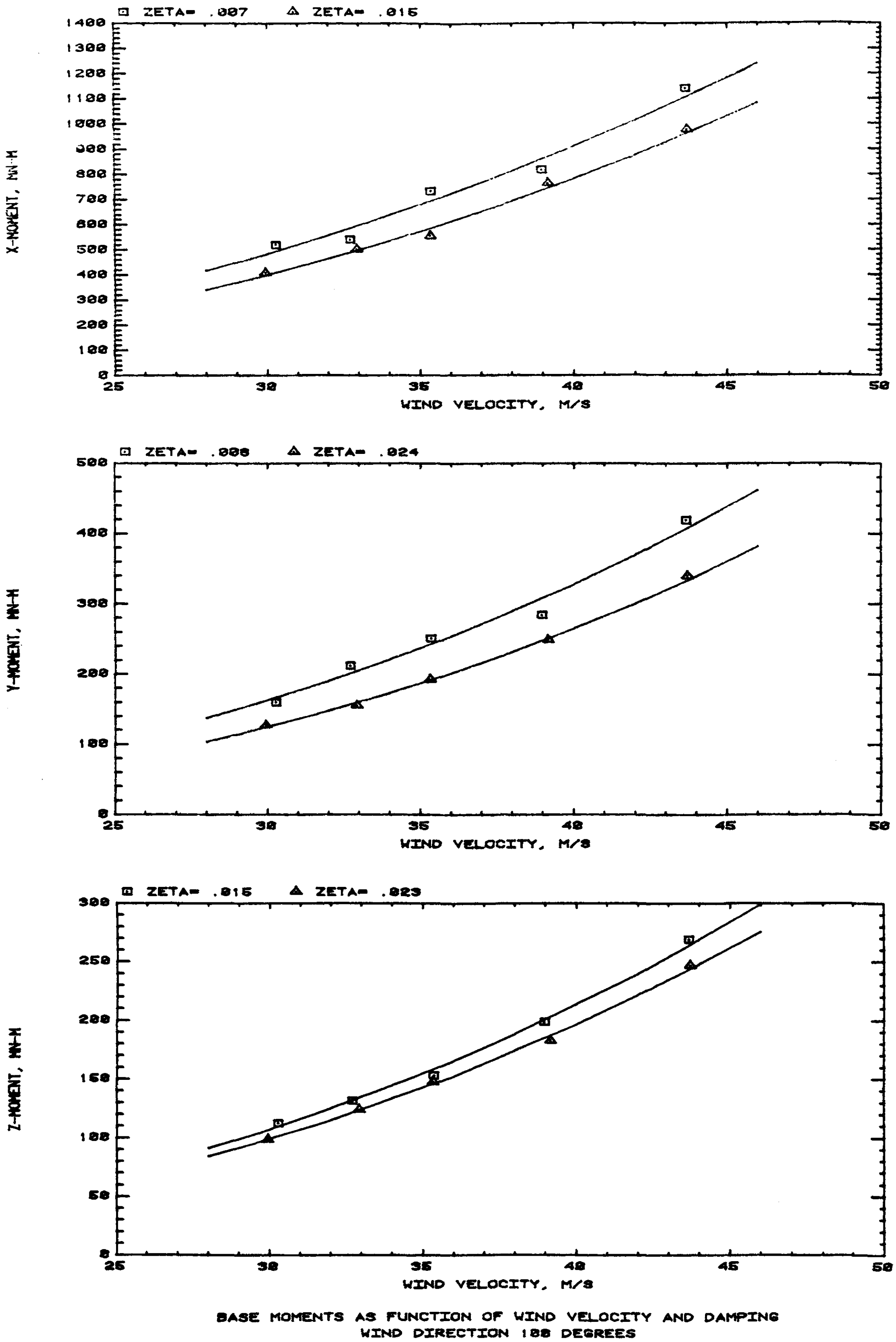


Figure 19c. Influence of Wind Velocity and Structural Damping on Peak Base Moments (wind velocity is hourly mean value at gradient height)

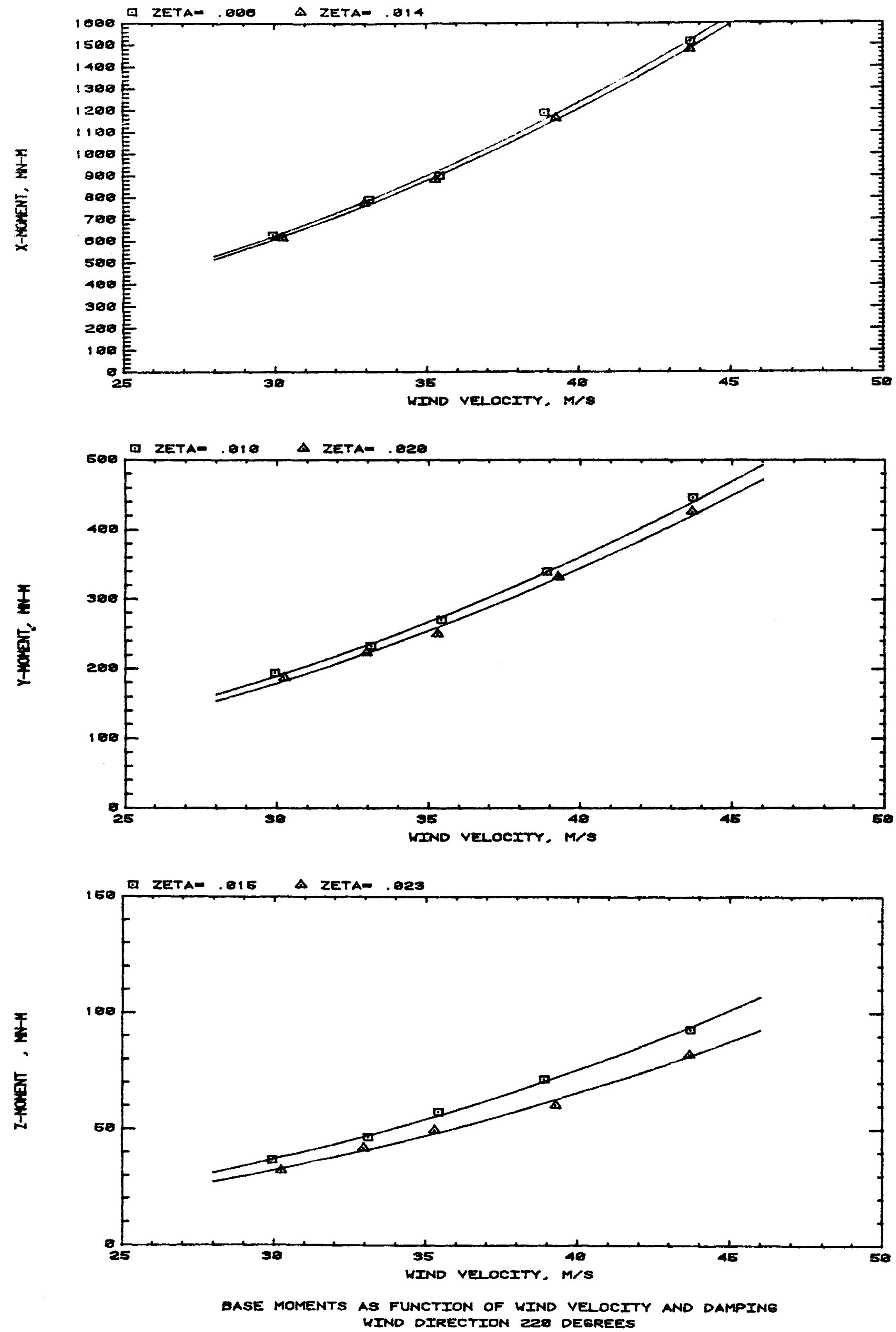


Figure 19d. Influence of Wind Velocity and Structural Damping on Peak Base Moments (wind velocity is hourly mean value at gradient height)

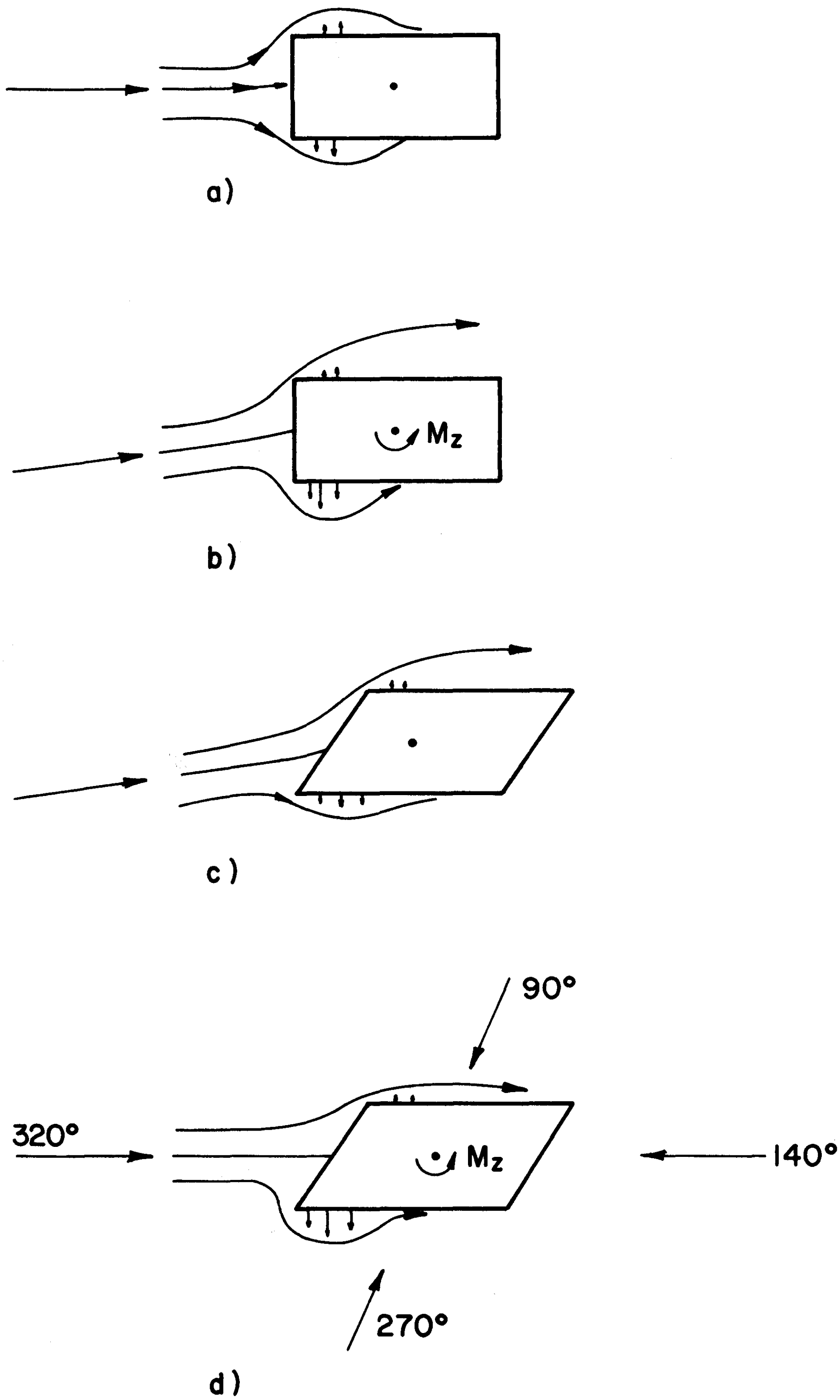


Figure 20. Influence of Reduced Velocity and Damping on Building Response

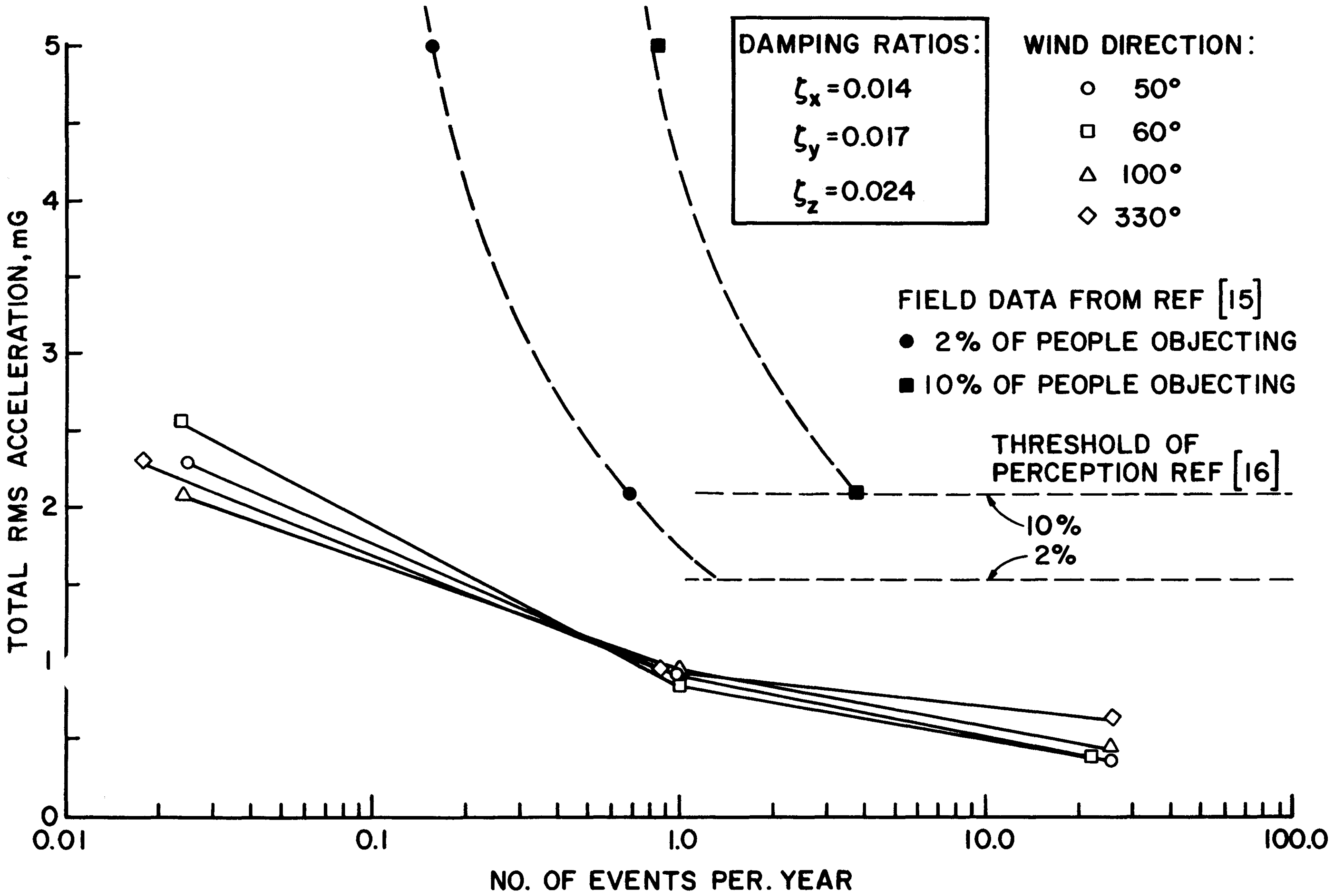


Figure 21a. Top Floor Acceleration According to Frequency of Occurrence

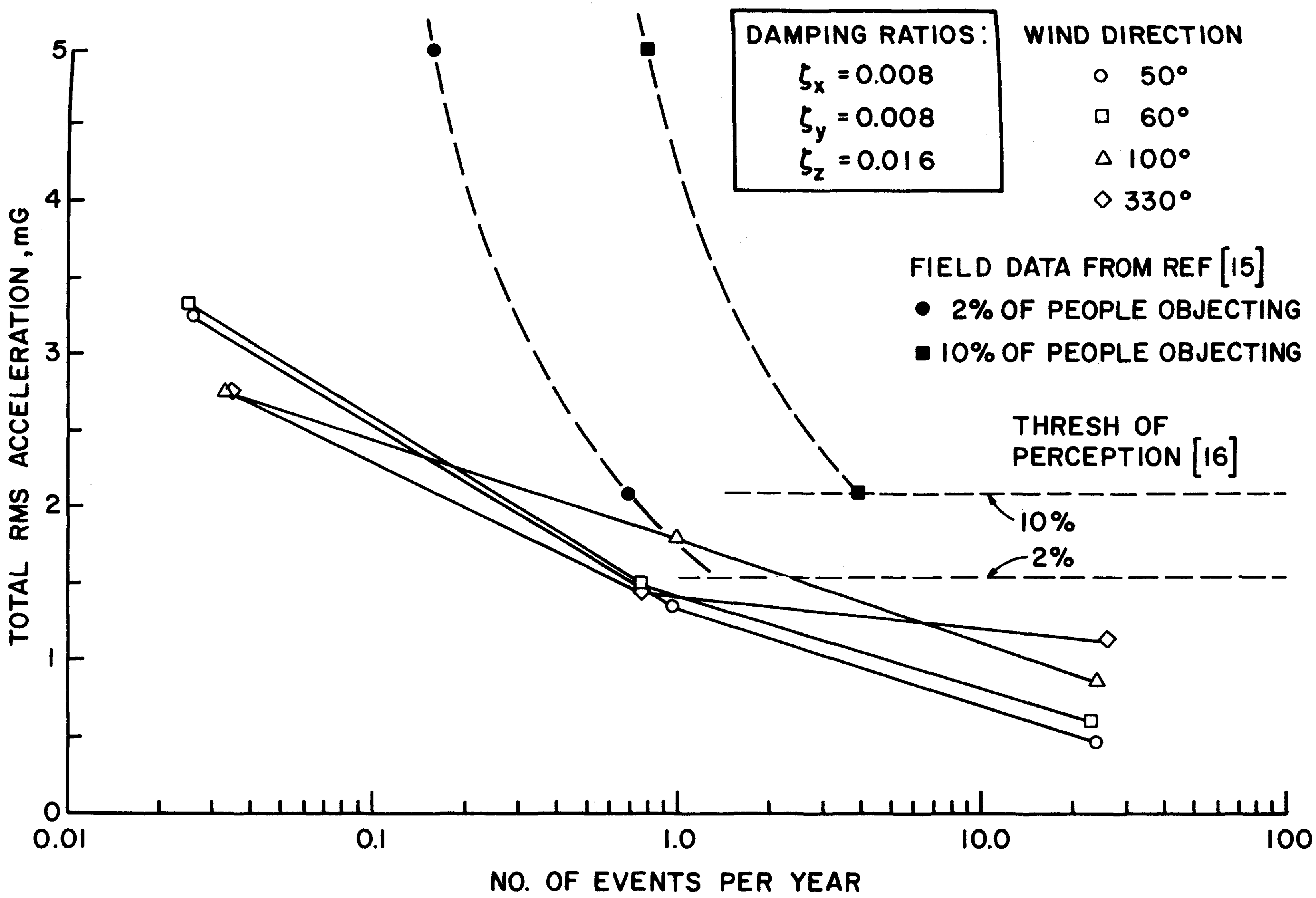


Figure 21b. Top Floor Acceleration According to Frequency of Occurrence

TABLES

Table 1

MOTION PICTURE SCENE GUIDE

1. Introduction

2. Purposes for model testing

3. Procedures for conducting tests

4. Specific flow visualization scenes for Gateway Towers

High Pressure Areas

Run	Pressure Tap	Azimuth, °
1	1229, 1244	330
2	2260	130
3	2260	140

High Pedestrian Wind Velocities

Run	Pedestrian Location	Azimuth, °
4	19	45
5	16, 8	202.5

TABLE 2--PEDESTRIAN WIND VELOCITIES AND TURBULENCE INTENSITIES

GATEWAY PROJECT TOWERS

LOCATION 1

WIND AZIMUTH	UMEAN/UINF (PERCENT)	URMS/UINF (PERCENT)	UMEAN+3*URMS/UINF (PERCENT)
0.00	54.4	11.3	88.3
22.50	57.2	10.1	87.5
45.00	40.6	13.0	79.7
67.50	19.0	9.3	47.0
90.00	16.1	7.2	37.8
112.50	18.1	9.8	47.5
135.00	16.3	7.5	38.7
157.50	28.5	11.7	63.8
180.00	48.6	18.9	105.2
202.50	59.1	18.6	115.0
225.00	45.6	16.8	95.9
247.50	24.9	12.1	61.2
270.00	36.3	11.1	69.7
292.50	28.4	10.2	58.9
315.00	43.0	13.7	84.1
337.50	50.1	12.8	88.6

LOCATION 2

WIND AZIMUTH	UMEAN/UINF (PERCENT)	URMS/UINF (PERCENT)	UMEAN+3*URMS/UINF (PERCENT)
0.00	15.2	6.9	35.9
22.50	15.2	6.6	34.9
45.00	17.3	7.3	39.1
67.50	17.8	8.5	43.4
90.00	21.9	10.6	53.6
112.50	24.0	11.4	58.2
135.00	16.0	7.9	39.6
157.50	26.7	10.2	57.3
180.00	34.6	12.6	72.5
202.20	22.4	11.2	56.0
225.00	17.6	7.7	40.7
247.50	26.5	11.1	59.7
270.00	22.1	9.9	51.9
292.50	19.6	7.8	43.1
315.00	21.9	8.6	47.8
337.50	19.1	8.1	43.4

LOCATION 3

WIND AZIMUTH	UMEAN/UINF (PERCENT)	URMS/UINF (PERCENT)	UMEAN+3*URMS/UINF (PERCENT)
0.00	42.1	14.9	86.7
22.50	65.6	13.8	107.1
45.00	77.9	12.6	115.5
67.50	57.5	15.8	104.8
90.00	71.1	12.8	109.4
112.50	70.6	11.2	104.2
135.00	44.6	11.6	79.3
157.50	32.2	14.3	75.1
180.00	17.2	8.3	42.1
202.50	22.9	10.5	54.5
225.00	21.0	9.4	49.0
247.50	48.8	13.1	88.2
270.00	59.8	10.7	91.8
292.50	54.9	10.0	84.8
315.00	47.6	13.3	87.7
337.50	18.1	8.5	43.6

LOCATION 4

WIND AZIMUTH	UMEAN/UINF (PERCENT)	URMS/UINF (PERCENT)	UMEAN+3*URMS/UINF (PERCENT)
0.00	27.2	12.1	63.5
22.50	22.8	12.8	61.1
45.00	12.9	5.2	28.4
67.50	19.4	10.1	49.8
90.00	22.1	9.3	49.9
112.50	19.6	9.7	48.8
135.00	18.1	8.7	44.2
157.50	31.0	13.4	71.1
180.00	13.6	5.5	30.1
202.50	18.8	9.3	46.8
225.00	32.1	14.1	74.5
247.50	21.0	7.9	44.7
270.00	22.8	8.7	49.0
292.50	19.0	6.4	38.2
315.00	20.1	7.6	42.9
337.50	27.2	11.2	60.8

TABLE 2--PEDESTRIAN WIND VELOCITIES AND TURBULENCE INTENSITIES

GATEWAY PROJECT TOWERS

LOCATION 5

WIND AZIMUTH	UMEAN/UINF (PERCENT)	URMS/UINF (PERCENT)	UMEAN+3*URMS/UINF (PERCENT)
0.00	19.8	7.5	42.4
22.50	39.5	16.0	87.6
45.00	32.3	17.6	85.0
67.50	31.3	15.8	78.6
90.00	28.4	12.5	65.8
112.50	30.8	12.6	68.6
135.00	18.8	9.1	46.1
157.50	49.0	27.2	130.7
180.00	65.7	21.5	130.3
202.50	38.5	21.2	102.2
225.00	24.4	12.1	60.7
247.50	35.0	19.3	93.1
270.00	42.0	17.0	92.9
292.50	34.9	15.3	80.8
315.00	34.7	16.3	83.5
337.50	17.0	7.3	38.8

LOCATION 6

WIND AZIMUTH	UMEAN/UINF (PERCENT)	URMS/UINF (PERCENT)	UMEAN+3*URMS/UINF (PERCENT)
0.00	28.9	11.6	63.8
22.50	28.7	14.2	71.2
45.00	14.7	6.7	34.8
67.50	19.6	10.0	49.7
90.00	32.4	11.2	66.1
112.50	19.6	9.3	47.4
135.00	23.0	10.3	53.8
157.50	28.2	15.4	74.3
180.00	12.6	5.7	29.8
202.50	13.2	6.6	33.1
225.00	26.4	14.6	70.3
247.50	34.6	13.5	75.1
270.00	20.7	8.1	44.9
292.50	28.8	9.0	55.7
315.00	29.6	9.5	58.1
337.50	29.0	11.3	62.9

LOCATION 7

WIND AZIMUTH	UMEAN/UINF (PERCENT)	URMS/UINF (PERCENT)	UMEAN+3*URMS/UINF (PERCENT)
0.00	11.8	5.1	27.0
22.50	15.0	6.8	35.4
45.00	8.1	2.8	16.5
67.50	12.2	5.6	28.9
90.00	17.1	7.9	40.8
112.50	10.7	4.4	24.0
135.00	12.0	5.8	29.2
157.50	11.4	5.5	28.0
180.00	8.5	2.9	17.2
202.50	7.5	2.9	16.2
225.00	9.6	3.7	20.6
247.50	25.4	11.1	58.8
270.00	24.1	10.8	56.4
292.50	23.6	9.6	52.3
315.00	21.0	8.6	46.8
337.50	20.6	9.3	48.5

LOCATION 8

WIND AZIMUTH	UMEAN/UINF (PERCENT)	URMS/UINF (PERCENT)	UMEAN+3*URMS/UINF (PERCENT)
0.00	28.2	10.7	60.3
22.50	21.8	10.0	51.9
45.00	18.2	7.0	39.3
67.50	27.5	14.1	69.7
90.00	19.2	9.7	48.3
112.50	22.8	11.9	58.5
135.00	42.2	15.7	89.3
157.50	66.1	9.4	94.2
180.00	73.2	12.0	109.3
202.50	78.8	16.6	128.7
225.00	51.7	21.7	116.8
247.50	39.3	17.3	91.1
270.00	51.2	9.9	81.0
292.50	57.1	12.4	94.2
315.00	46.0	12.4	83.1
337.50	27.8	10.6	59.7

TABLE 2--PEDESTRIAN WIND VELOCITIES AND TURBULENCE INTENSITIES

GATEWAY PROJECT TOWERS

LOCATION 9

WIND AZIMUTH	UMEAN/UINF (PERCENT)	URMS/UINF (PERCENT)	UMEAN+3*URMS/UINF (PERCENT)
0.00	43.1	16.6	93.0
22.50	44.4	17.0	95.3
45.00	26.8	14.0	68.8
67.50	29.4	13.6	70.2
90.00	43.6	15.8	91.0
112.50	38.9	14.6	82.5
135.00	15.7	6.7	35.9
157.50	24.8	12.2	61.3
180.00	39.0	12.6	76.9
202.50	21.8	10.3	52.5
225.00	22.3	11.4	56.4
247.50	40.4	18.7	96.6
270.00	52.7	17.2	104.2
292.50	50.1	16.2	98.7
315.00	39.6	13.9	81.2
337.50	33.9	12.7	71.9

LOCATION 10

WIND AZIMUTH	UMEAN/UINF (PERCENT)	URMS/UINF (PERCENT)	UMEAN+3*URMS/UINF (PERCENT)
0.00	26.5	13.4	66.6
22.50	26.4	10.8	58.8
45.00	38.4	13.5	78.9
67.50	26.8	13.0	65.8
90.00	37.5	16.4	86.8
112.50	27.2	14.2	69.9
135.00	17.6	7.6	40.5
157.50	22.4	11.2	56.1
180.00	26.6	12.4	63.7
202.50	26.3	12.5	63.8
225.00	24.3	11.1	57.6
247.50	31.9	13.0	70.8
270.00	24.8	10.6	56.6
292.50	25.3	12.7	63.4
315.00	20.1	9.3	47.9
337.50	21.3	11.4	55.4

LOCATION 11

WIND AZIMUTH	UMEAN/UINF (PERCENT)	URMS/UINF (PERCENT)	UMEAN+3*URMS/UINF (PERCENT)
0.00	54.9	10.5	86.5
22.50	52.7	13.4	92.9
45.00	20.3	9.2	47.9
67.50	33.5	17.4	85.7
90.00	71.9	11.5	106.4
112.50	66.5	10.6	98.4
135.00	37.8	11.7	72.9
157.50	18.7	8.2	43.3
180.00	19.0	9.3	46.8
202.50	15.5	7.1	36.7
225.00	16.6	7.4	38.7
247.50	25.9	10.1	56.2
270.00	23.7	9.7	52.8
292.50	35.9	12.7	74.0
315.00	36.1	13.9	77.8
337.50	45.0	11.3	78.8

LOCATION 12

WIND AZIMUTH	UMEAN/UINF (PERCENT)	URMS/UINF (PERCENT)	UMEAN+3*URMS/UINF (PERCENT)
0.00	24.4	9.5	52.8
22.50	25.2	9.1	52.6
45.00	25.6	11.1	59.0
67.50	13.8	6.9	34.5
90.00	9.3	3.2	19.0
112.50	10.4	4.5	23.9
135.00	13.8	7.2	35.4
157.50	12.4	5.5	29.0
180.00	18.8	8.4	44.1
202.50	15.3	6.4	34.5
225.00	10.1	3.9	21.7
247.50	12.8	6.1	31.0
270.00	15.6	7.0	36.5
292.50	23.6	9.1	51.0
315.00	30.2	11.2	63.9
337.50	22.1	8.4	47.1

TABLE 2--PEDESTRIAN WIND VELOCITIES AND TURBULENCE INTENSITIES

GATEWAY PROJECT TOWERS

LOCATION 13

WIND AZIMUTH	UMEAN/UINF (PERCENT)	URMS/UINF (PERCENT)	UMEAN+3*URMS/UINF (PERCENT)
0.00	22.4	7.1	43.8
22.50	28.4	10.4	59.5
45.00	38.8	16.0	87.0
67.50	19.5	11.0	52.6
90.00	10.4	4.3	23.4
112.50	24.7	15.5	71.3
135.00	26.7	12.0	62.6
157.50	16.4	7.6	39.0
180.00	27.5	11.7	62.4
202.50	23.7	8.6	49.6
225.00	13.6	6.1	31.9
247.50	22.8	11.6	57.5
270.00	27.6	13.9	69.1
292.50	38.7	11.0	71.8
315.00	34.8	10.9	67.5
337.50	22.7	8.3	47.5

LOCATION 14

WIND AZIMUTH	UMEAN/UINF (PERCENT)	URMS/UINF (PERCENT)	UMEAN+3*URMS/UINF (PERCENT)
0.00	41.6	15.0	86.7
22.50	44.3	20.8	106.6
45.00	23.1	10.7	55.1
67.50	20.3	11.4	54.5
90.00	41.4	21.6	106.3
112.50	41.5	20.5	103.1
135.00	17.8	7.9	41.5
157.50	25.3	12.2	62.1
180.00	37.8	14.9	82.7
202.50	23.2	10.5	54.7
225.00	19.1	9.4	47.2
247.50	45.5	18.0	99.5
270.00	22.4	10.1	52.7
292.50	21.3	9.1	48.7
315.00	29.0	13.3	68.8
337.50	31.0	17.1	82.1

LOCATION 15

WIND AZIMUTH	UMEAN/UINF (PERCENT)	URMS/UINF (PERCENT)	UMEAN+3*URMS/UINF (PERCENT)
0.00	22.3	8.0	46.5
22.50	23.3	8.1	47.8
45.00	30.2	12.4	67.4
67.50	19.5	9.0	46.5
90.00	12.7	5.2	28.4
112.50	23.5	12.3	60.4
135.00	20.4	9.3	48.4
157.50	16.8	8.0	40.9
180.00	21.3	9.1	48.6
202.50	20.8	8.4	45.9
225.00	12.4	5.2	28.0
247.50	18.0	8.7	44.3
270.00	32.7	15.0	77.6
292.50	32.4	11.5	67.0
315.00	27.1	10.2	57.8
337.50	20.1	8.2	44.7

LOCATION 16

WIND AZIMUTH	UMEAN/UINF (PERCENT)	URMS/UINF (PERCENT)	UMEAN+3*URMS/UINF (PERCENT)
0.00	51.6	11.8	86.9
22.50	53.8	12.7	91.8
45.00	29.1	13.6	69.8
67.50	21.1	10.4	52.4
90.00	16.9	8.7	43.0
112.50	31.0	13.9	72.8
135.00	40.3	12.8	78.7
157.50	65.2	11.5	99.6
180.00	72.5	10.3	103.4
202.50	79.1	13.3	118.9
225.00	74.8	12.0	110.9
247.50	63.7	12.1	100.1
270.00	52.7	12.9	91.4
292.50	18.1	8.4	43.3
315.00	29.7	10.9	62.5
337.50	45.0	13.9	86.8

TABLE 2--PEDESTRIAN WIND VELOCITIES AND TURBULENCE INTENSITIES

GATEWAY PROJECT TOWERS

LOCATION 17

WIND AZIMUTH	UMEAN/UINF (PERCENT)	URMS/UINF (PERCENT)	UMEAN+3*URMS/UINF (PERCENT)
0.00	15.4	6.5	34.9
22.50	14.7	5.9	32.4
45.00	17.4	8.6	43.1
67.50	18.7	10.0	48.8
90.00	25.9	13.6	66.7
112.50	53.0	11.6	87.9
135.00	56.9	10.2	87.5
157.50	45.7	11.2	79.1
180.00	28.8	11.6	63.7
202.50	22.1	9.9	51.7
225.00	30.2	9.2	57.8
247.50	54.5	14.2	97.2
270.00	64.6	12.3	101.3
292.50	68.6	11.4	103.0
315.00	55.4	12.5	92.8
337.50	17.8	8.3	42.8

LOCATION 18

WIND AZIMUTH	UMEAN/UINF (PERCENT)	URMS/UINF (PERCENT)	UMEAN+3*URMS/UINF (PERCENT)
0.00	62.8	10.7	95.0
22.50	50.1	12.1	86.2
45.00	38.4	18.5	93.8
67.50	42.9	15.3	88.7
90.00	61.6	14.6	105.4
112.50	29.2	10.4	60.4
135.00	31.1	10.0	61.1
157.50	57.0	11.2	90.6
180.00	63.2	11.3	97.1
202.50	69.2	10.7	101.4
225.00	74.9	11.3	108.7
247.50	66.9	12.4	104.3
270.00	49.6	16.2	98.0
292.50	35.9	15.7	83.1
315.00	26.6	8.8	53.0
337.50	43.8	14.1	86.0

LOCATION 19

WIND AZIMUTH	UMEAN/UINF (PERCENT)	URMS/UINF (PERCENT)	UMEAN+3*URMS/UINF (PERCENT)
0.00	41.9	18.3	97.0
22.50	56.3	15.6	103.1
45.00	79.1	12.0	115.1
67.50	55.2	15.3	100.9
90.00	65.1	11.9	100.6
112.50	55.7	11.0	88.8
135.00	41.4	12.5	78.9
157.50	27.5	9.1	54.9
180.00	52.4	15.3	98.2
202.50	52.2	15.0	97.1
225.00	54.7	19.2	112.4
247.40	39.1	14.0	81.1
270.00	38.6	19.5	97.1
292.50	25.3	12.8	63.7
315.00	13.9	6.7	33.9
337.50	26.0	12.3	62.9

LOCATION 20

WIND AZIMUTH	UMEAN/UINF (PERCENT)	URMS/UINF (PERCENT)	UMEAN+3*URMS/UINF (PERCENT)
0.00	67.3	12.1	103.6
22.50	64.0	12.6	101.8
45.00	56.3	12.2	93.0
67.50	33.4	16.5	82.9
90.00	22.9	9.8	52.4
112.50	39.4	12.6	77.3
135.00	59.1	10.8	91.4
157.50	63.2	10.6	94.9
180.00	43.1	16.2	91.6
202.50	33.4	18.1	87.7
225.00	24.3	12.5	61.7
247.50	13.8	5.6	30.5
270.00	17.8	7.5	40.3
292.50	19.7	8.5	45.3
315.00	32.2	16.9	82.8
337.50	65.0	11.9	100.7

TABLE 2--PEDESTRIAN WIND VELOCITIES AND TURBULENCE INTENSITIES

GATEWAY PROJECT TOWERS

LOCATION 21

WIND AZIMUTH	UMEAN/UINF (PERCENT)	URMS/UINF (PERCENT)	UMEAN+3*URMS/UINF (PERCENT)
0.00	22.5	8.9	49.1
22.50	18.8	9.7	48.0
45.00	37.7	22.7	105.7
67.50	54.4	20.3	115.4
90.00	67.5	15.3	113.4
112.50	36.8	9.8	66.3
135.00	41.2	8.3	66.0
157.50	45.6	10.0	75.6
180.00	56.8	14.0	98.7
202.50	65.2	15.3	111.0
225.00	66.8	21.2	130.3
247.50	23.8	13.2	63.3
270.00	24.7	8.7	50.9
292.50	29.8	8.8	56.3
315.00	27.4	8.4	52.6
337.50	22.4	9.2	49.9

TABLE 2--PEDESTRIAN WIND VELOCITIES AND TURBULENCE INTENSITIES

GATEWAY PROJECT TOWERS

* * GREATEST VALUES * *

UMEAN/UINF (PERCENT)

LOC	AZ	MEAN	RMS	M+3RMS
19	45.0	79.1	12.0	115.1
16	202.5	79.1	13.3	118.9
8	202.5	78.8	16.6	128.7
3	45.0	77.9	12.6	115.5
18	225.0	74.9	11.3	108.7
16	225.0	74.8	12.0	110.9
8	180.0	73.2	12.0	109.3
16	180.0	72.5	10.3	103.4
11	90.0	71.9	11.5	106.4
3	90.0	71.1	12.8	109.4

URMS/UINF (PERCENT)

LOC	AZ	MEAN	RMS	M+3RMS
5	157.5	49.0	27.2	130.7
21	45.0	37.7	22.7	105.7
8	225.0	51.7	21.7	116.8
14	90.0	41.4	21.6	106.3
5	180.0	65.7	21.5	130.3
5	202.5	38.5	21.2	102.2
21	225.0	66.8	21.2	130.3
14	22.5	44.3	20.8	106.6
14	112.5	41.5	20.5	103.1
21	67.5	54.4	20.3	115.4

UMEAN+3*RMS/UINF (PERCENT)

LOC	AZ	MEAN	RMS	M+3RMS
5	157.5	49.0	27.2	130.7
5	180.0	65.7	21.5	130.3
21	225.0	66.8	21.2	130.3
8	202.5	78.8	16.6	128.7
16	202.5	79.1	13.3	118.9
8	225.0	51.7	21.7	116.8
3	45.0	77.9	12.6	115.5
21	67.5	54.4	20.3	115.4
19	45.0	79.1	12.0	115.1
1	202.5	59.1	18.6	115.0

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

SINGAPORE AIRPORT (1955-1964)

SEASON: ANNUAL NO. OF OBS. = 29121 HT. OF MEAS. = 10 m.

VELOCITY LEVELS IN MPS

DIRECTION	0-3	3.5-8	8.5-14	14.5-	
N	5.20	.70	0.00	0.00	5.90
NNE	6.00	2.40	0.00	0.00	8.40
NE	4.40	3.10	.10	0.00	7.60
ENE	.90	.70	0.00	0.00	1.60
E	1.20	.30	0.00	0.00	1.50
ESE	1.20	.30	0.00	0.00	1.50
SE	3.10	.60	0.00	0.00	3.70
SSE	2.90	.60	0.00	0.00	3.50
S	4.90	1.90	0.00	0.00	6.80
SSW	1.90	.90	0.00	0.00	2.80
SW	1.90	.70	0.00	0.00	2.50
WSW	1.20	.40	0.00	0.00	1.70
W	2.00	.70	0.00	0.00	2.60
WNW	.90	.20	0.00	0.00	1.10
NW	1.50	.20	0.00	0.00	1.70
NNW	1.10	.20	0.00	0.00	1.30
CALM	45.60	0.00	0.00	0.00	45.60
TOT	85.70	14.00	.20	0.00	100.00

TABLE 4

SUMMARY OF WIND EFFECTS ON PEOPLE

	Beaufort Number	Speed (mps)	Effects
Calm, light air	0, 1	0-1.5	Calm, no noticeable wind
Light breeze	2	1.6-3.3	Wind felt on face
Gentle breeze	3	3.4-5.4	Wind extends light flag Hair is disturbed Clothing flaps
Moderate breeze	4	5.5-7.9	Raises dust, dry soil and loose paper Hair disarranged
Fresh breeze	5	8.0-10.7	Force of wind felt on body Drifting snow becomes airborne Limit of agreeable wind on land
Strong breeze	6	10.8-13.8	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	13.9-17.1	Inconvenience felt when walking
Gale	8	17.2-20.7	Generally impedes progress Great difficulty with balance in gusts
Strong gale	9	20.8-24.4	People blown over by gusts

Note: Table from Reference 4, p. 40.

TABLE 5

CALCULATION OF REFERENCE PRESSURES

1. Basic wind speed from local building officials*:

   fastest 3 second gust at 40 m = 40.2 mps

   Mean hourly wind speed $= \frac{40.2}{1.60} = 25.1$ mps at 40 m

   Mean hourly gradient wind speed $= 25.1 \left(\frac{300}{40}\right)^{.17} = 35.4$ mps

   Mean hourly wind at reference location $= U_\infty$ = gradient wind = 35.4 mps

   Reference Pressure $= 0.5\ \rho\ U_\infty^2 = (.00256)\ (79.3)^2 = 16.1$ psf

   $$(.615)\ (35.4)^2 = 771\ \text{N/m}^2$$

   <u>Use 770 N/m^2</u>

2. Loads for a 36.7 mps 3 sec. gust at 40 m.

   Multiply loads by $\left(\frac{36.7}{40.2}\right)^2 = 0.83$

3. Gust load factors to convert hourly mean integrated loads to various gust durations (see Sect. 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.

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* Data supplied by T. Y. Lin International in a letter dated 17 August 1981. Additional data in that letter which were obtained at the Fullerton building imply fastest 3 second gust speeds at 40 m of 36.6 and 34.9 mps for a 100 year recurrence wind. Because the wind speed recommended by local officials is well below the minimum permissible level in the U.S. or United Kingdom, we do not recommend further reductions without a more extensive look at the Fullerton building data. Item 2 gives a load factor to reduce loads to a 36.6 mps fastest 3 second gust at 40 m if that is desired.

TABLE 6A. PEAK LOADS FOR CONFIGURATION A : GATEWAY PROJECT TOWERS
LARGEST VALUES OF CLADDING LOAD REFERENCE PRESSURE = 770 PA

TAP	AZI-MUTH	PRESS COEFF	NEGATIVE PEAK (PA)	POSITIVE PEAK (PA)	TAP	AZI-MUTH	PRESS COEFF	NEGATIVE PEAK (PA)	POSITIVE PEAK (PA)	TAP	AZI-MUTH	PRESS COEFF	NEGATIVE PEAK (PA)	POSITIVE PEAK (PA)
1101	80	-1.66	-1276.4	786.8	1149	270	-1.37	-1051.6	557.4	1242	340	-1.49	-1150.0	694.3
1102	90	-1.27	-977.6	837.8	1150	240	-1.31	-1012.2	673.8	1243	330	-2.85	-2193.7	564.6
1103	60	-1.24	-955.3	874.0	1151	120	-1.05	-807.2	805.1	1244	330	-3.53	-2720.9	593.0
1104	70	-1.46	-1121.1	808.3	1152	250	-1.59	-1222.7	790.2	1245	330	-1.58	-1220.1	545.8
1105	280	-1.85	-1426.2	820.7	1153	250	-1.63	-1253.6	798.2	1246	350	-1.62	-1245.9	570.1
1106	270	-2.49	-1916.3	841.3	1154	270	-2.27	-1744.7	597.2	1247	90	-1.63	-1252.0	640.1
1107	80	-1.55	-1194.5	713.2	1155	120	-2.18	-1680.1	425.3	1248	140	-1.57	-1212.0	623.6
1108	80	-1.59	-1222.3	799.5	1201	330	-2.04	-1574.6	703.7	1249	140	-2.08	-1604.7	594.7
1109	270	-1.35	-1043.1	937.5	1202	330	-2.26	-1743.2	599.8	1250	330	-2.56	-1969.0	502.9
1110	270	-1.31	-1009.2	859.2	1203	330	-1.77	-1359.4	541.4	1251	350	-1.56	-1203.0	497.3
1111	270	-1.47	-1133.0	908.6	1204	340	-1.95	-1504.3	578.9	1252	130	-1.41	-1085.7	579.1
1112	270	-1.66	-1282.0	886.1	1205	90	-1.86	-1429.1	572.8	1253	130	-1.68	-1296.8	467.0
1113	50	-1.44	-1105.3	603.5	1206	340	-1.64	-1265.1	526.7	1254	320	-1.78	-1374.1	376.6
1114	50	-1.42	-1095.6	785.3	1207	150	-1.99	-1529.2	562.4	1255	330	-1.99	-1534.5	501.5
1115	20	1.27	-872.1	974.9	1208	330	-2.28	-1757.4	834.5	1256	350	-2.15	-1656.8	615.5
1116	270	-1.45	-1117.7	933.0	1209	330	-2.12	-1636.1	1002.4	1257	350	-1.18	-907.2	667.1
1117	280	-1.45	-1117.2	901.1	1210	330	-1.71	-1314.1	896.1	1258	120	-1.17	-901.1	746.4
1118	60	-1.46	-1127.4	889.1	1211	330	-1.63	-1255.3	867.7	1259	140	-1.94	-1494.9	654.2
1119	270	-1.35	-1042.5	621.1	1212	340	-1.21	-934.0	910.4	1260	130	-1.59	-1220.9	612.4
1120	140	-1.26	-971.6	735.8	1213	140	-1.50	-1156.5	830.7	1301	240	-1.85	-1424.6	616.4
1121	270	-1.25	-962.1	781.2	1214	130	-1.46	-1124.6	841.8	1302	60	-1.60	-1230.4	614.0
1122	270	-1.66	-1278.8	879.9	1215	330	-2.79	-2145.0	883.2	1303	90	-1.32	-1012.9	582.4
1123	280	-1.91	-1472.2	809.8	1216	330	-2.17	-1669.8	821.6	1304	90	-1.77	-1359.4	817.0
1124	280	-1.72	-1323.3	778.3	1217	320	-1.65	-1273.8	795.8	1305	50	-1.70	-1311.1	562.4
1125	270	-1.34	-1033.3	601.1	1218	340	-1.21	-931.0	844.1	1306	90	-1.56	-1198.6	771.3
1126	150	-1.21	-931.3	673.3	1219	140	-1.20	-923.1	881.8	1307	50	-1.55	-1192.0	620.6
1127	270	-1.52	-1173.6	743.3	1220	160	-1.37	-1057.1	843.5	1308	90	-2.35	-1808.5	708.0
1128	270	-2.14	-1644.2	809.9	1221	150	-1.43	-1104.5	851.0	1309	100	-3.36	-2586.8	805.3
1129	280	-1.81	-1397.4	847.5	1222	330	-2.91	-2244.5	752.3	1310	260	-1.61	-1237.4	902.4
1130	110	-1.72	-1326.6	958.9	1223	330	-2.85	-2192.9	851.7	1311	260	-1.63	-1258.7	926.7
1131	270	-1.40	-1075.7	584.8	1224	330	-1.59	-1224.8	785.7	1312	100	-1.30	-998.2	800.9
1132	280	-1.23	-950.4	732.5	1225	330	-1.45	-1114.4	818.5	1313	90	-1.35	-1039.6	955.5
1133	260	-1.43	-1103.3	769.9	1226	140	-1.43	-1100.8	902.9	1314	100	-1.53	-1175.8	903.4
1134	270	-1.49	-1151.1	724.5	1227	340	-1.22	-940.5	761.6	1315	100	-1.84	-1420.3	891.5
1135	270	-2.37	-1828.2	735.7	1228	160	-1.49	-1150.3	729.8	1316	100	-1.88	-1448.1	920.9
1136	270	-2.06	-1583.4	723.3	1229	330	-3.66	-2815.2	775.1	1317	100	-2.02	-1551.7	822.1
1137	270	-1.30	-998.0	445.0	1230	330	-3.37	-2596.8	744.0	1318	100	-2.01	-1546.6	842.0
1138	250	-1.42	-1093.8	648.7	1231	340	-1.88	-1446.9	825.8	1319	250	-1.36	-1047.0	869.6
1139	270	-1.44	-1109.3	597.6	1232	340	-1.54	-1187.1	718.1	1320	250	-1.33	-1026.8	854.7
1140	270	-1.85	-1422.0	609.6	1233	140	-1.43	-1103.8	693.8	1321	100	-1.43	-1104.6	837.7
1141	270	-1.97	-1516.5	588.1	1234	150	-1.56	-1203.9	769.5	1322	100	-1.89	-1451.7	883.5
1142	270	-1.77	-1359.2	568.6	1235	140	-1.51	-1163.9	790.4	1323	90	-1.45	-1115.3	758.4
1143	250	-1.39	-1072.9	560.5	1236	330	-2.74	-2112.1	656.0	1324	90	-1.64	-1264.7	915.8
1144	250	-1.47	-1135.7	764.1	1237	330	-3.18	-2450.3	728.4	1325	90	-2.02	-1555.5	746.9
1145	260	-1.47	-1132.9	602.0	1238	330	-1.88	-1448.1	826.5	1326	100	-2.08	-1604.0	823.3
1146	110	-1.71	-1314.8	648.0	1239	350	-1.68	-1297.3	663.8	1327	100	-1.79	-1378.2	896.9
1147	190	-1.26	-970.2	473.3	1240	140	-1.34	-1033.1	639.8	1328	90	-1.82	-1398.0	774.7
1148	250	-1.30	-999.4	517.0	1241	140	-1.47	-1130.8	709.1	1329	260	-1.45	-1117.0	796.4

TABLE 6A. PEAK LOADS FOR CONFIGURATION A : GATEWAY PROJECT TOWERS
LARGEST VALUES OF CLADDING LOAD REFERENCE PRESSURE = 770 PA

TAP	AZI-MUTH	PRESS COEFF	NEGATIVE PEAK (PA)	POSITIVE PEAK (PA)
1330	100	-1.59	-1227.6	772.9
1331	80	-1.93	-1489.2	807.6
1332	90	-1.58	-1220.3	827.9
1333	100	-1.80	-1388.4	876.9
1334	100	-2.32	-1783.3	794.4
1335	110	-1.98	-1522.8	787.5
1336	80	-1.99	-1535.0	847.6
1337	90	-1.61	-1242.6	690.2
1338	90	-1.43	-1102.8	738.0
1339	90	-1.61	-1242.0	734.3
1340	90	-1.92	-1479.1	768.6
1341	90	-1.52	-1174.0	717.5
1342	90	-1.76	-1354.4	834.6
1343	80	-2.32	-1788.6	842.2
1344	110	-2.12	-1632.9	808.7
1345	110	-2.34	-1798.5	714.9
1346	90	-1.42	-1096.7	632.8
1347	90	-1.30	-1001.8	664.9
1348	90	-1.53	-1180.1	622.8
1349	90	-1.79	-1382.0	672.1
1350	90	-1.49	-1149.1	694.9
1351	100	-1.82	-1401.0	814.1
1352	90	-2.74	-2108.0	751.8
1353	100	-2.33	-1790.3	659.4
1354	100	-2.22	-1710.4	662.3
1355	240	-1.21	-928.4	582.2
1356	280	-1.32	-1013.9	544.8
1357	90	-1.51	-1159.3	569.4
1358	100	-1.92	-1476.9	617.4
1359	90	-1.37	-1054.2	616.6
1360	100	-1.66	-1278.3	605.6
1361	100	-2.16	-1666.3	606.7
1362	100	-2.47	-1902.3	646.2
1363	100	-2.47	-1900.0	643.0
1364	280	-1.17	-904.3	471.3
1365	90	-1.29	-996.5	529.6
1366	90	-1.66	-1279.1	648.0
1367	90	-2.12	-1628.9	576.1
1368	50	-2.13	-1638.3	486.3
1369	250	-1.25	-961.0	612.6
1370	280	-1.04	-803.4	647.2
1371	90	-1.20	-925.0	783.0
1372	90	-1.85	-1422.8	899.2
1373	90	-1.41	-1085.0	860.6
1374	90	-1.77	-1362.2	750.2
1375	100	-2.04	-1568.0	743.7
1376	90	-2.43	-1873.1	614.0
1377	60	-2.34	-1801.2	459.6

TAP	AZI-MUTH	PRESS COEFF	NEGATIVE PEAK (PA)	POSITIVE PEAK (PA)
1401	130	-2.06	-1585.2	916.5
1402	140	-1.97	-1518.9	762.1
1403	30	-1.49	-1149.4	743.8
1404	150	-1.36	-1049.6	784.0
1405	290	-1.53	-1174.9	800.5
1406	50	-1.29	-993.4	663.7
1407	320	-1.68	-1296.6	647.6
1408	140	-1.63	-1256.8	1001.5
1409	140	-1.80	-1384.0	876.8
1410	140	-1.62	-1244.8	537.6
1411	150	-1.34	-1029.9	345.7
1412	160	-1.41	-1088.4	376.2
1413	330	-1.75	-1346.6	517.8
1414	330	-1.85	-1424.9	545.3
1415	140	-2.22	-1707.8	945.6
1416	140	-1.85	-1420.9	863.3
1417	150	-1.48	-1137.4	496.7
1418	150	-1.42	-1090.8	272.7
1419	330	-1.59	-1225.5	368.4
1420	30	-1.81	-1390.9	391.0
1421	30	-1.74	-1341.5	390.1
1422	140	-2.19	-1688.6	909.2
1423	140	-2.15	-1657.4	917.7
1424	140	-1.74	-1338.9	475.6
1425	150	-1.55	-1194.8	212.4
1426	320	-1.32	-1017.8	279.5
1427	30	-1.88	-1445.7	433.0
1428	30	-1.95	-1500.3	333.8
1429	50	-1.79	-1377.4	887.6
1430	140	-1.87	-1437.7	836.7
1431	150	-2.02	-1557.8	433.0
1432	160	-1.55	-1197.0	183.1
1433	300	-1.39	-1069.9	240.6
1434	30	-1.69	-1297.6	291.2
1435	30	-1.86	-1429.6	215.5
1436	150	-2.18	-1676.9	804.6
1437	150	-2.34	-1804.6	757.1
1438	140	-1.88	-1444.8	419.3
1439	150	-1.72	-1325.2	156.1
1440	300	-1.51	-1166.2	235.4
1441	300	-1.70	-1312.7	294.1
1442	30	-1.75	-1344.9	322.6
1443	50	-2.40	-1848.4	733.5
1444	150	-2.59	-1993.7	627.8
1445	150	-2.65	-2043.7	363.7
1446	160	-1.55	-1189.7	201.4
1447	50	-1.26	-971.1	221.9
1448	40	-1.69	-1300.4	272.9

TAP	AZI-MUTH	PRESS COEFF	NEGATIVE PEAK (PA)	POSITIVE PEAK (PA)
1449	30	-1.89	-1455.6	268.0
1450	150	-2.35	-1807.8	644.3
1451	160	-2.08	-1605.1	408.8
1452	190	-1.03	-793.8	228.8
1453	50	-1.74	-1343.3	271.0
1454	160	-2.38	-1830.6	705.0
1455	150	-2.27	-1748.1	673.9
1456	150	-1.21	-930.5	408.5
1457	170	-1.08	-833.9	268.0
1458	40	-1.26	-973.1	370.1
1459	190	-1.62	-1249.5	375.3
1460	190	-1.52	-1168.4	319.6
1461	80	-1.37	-1056.0	671.4
1901	90	-1.38	-1063.6	370.3
1902	140	-1.16	-896.5	498.0
1903	340	-1.54	-1189.2	308.4
1904	160	-1.29	-995.9	450.9
1905	150	-1.34	-1033.9	483.3
1906	270	-1.42	-1091.4	705.4
1907	190	-1.49	-1149.6	585.8
1908	190	-1.23	-947.9	678.1
1909	90	-1.18	-905.2	729.5
1910	120	-1.22	-937.8	570.2
1911	120	-1.23	-949.7	630.9
2101	0	-2.56	-1969.6	871.7
2102	0	-2.01	-1544.4	793.3
2103	220	-1.39	-1069.8	813.9
2104	210	-1.62	-1248.1	764.8
2105	210	-1.43	-1102.9	906.6
2106	200	-2.08	-1600.1	890.0
2107	0	-1.91	-1471.5	868.6
2108	0	-1.55	-1191.5	877.4
2109	10	-1.37	-1058.7	944.1
2110	10	-1.51	-1162.7	979.5
2111	210	-1.49	-1147.8	886.6
2112	220	-1.39	-1069.8	783.9
2113	160	-1.66	-1281.0	835.9
2114	0	-1.71	-1314.2	814.1
2115	10	-1.56	-1202.2	849.7
2116	10	-1.27	-977.1	924.1
2117	220	-1.29	-991.0	832.4
2118	10	-1.60	-1234.8	672.3
2119	220	-1.67	-1289.2	768.1
2120	0	-1.71	-1313.2	772.5
2121	10	-1.55	-1190.8	805.0
2122	10	-1.40	-1077.3	921.0
2123	20	-1.55	-1193.6	714.5
2124	10	-1.94	-1496.2	611.4

TABLE 6A. PEAK LOADS FOR CONFIGURATION A : GATEWAY PROJECT TOWERS
LARGEST VALUES OF CLADDING LOAD REFERENCE PRESSURE = 770 PA

TAP	AZI-MUTH	PRESS COEFF	NEGATIVE PEAK ---- PA	POSITIVE PEAK ----	TAP	AZI-MUTH	PRESS COEFF	NEGATIVE PEAK ---- PA	POSITIVE PEAK ----	TAP	AZI-MUTH	PRESS COEFF	NEGATIVE PEAK ---- PA	POSITIVE PEAK ----
2125	0	-1.73	-1330.2	687.1	2218	130	-1.37	-1056.3	239.8	2305	190	-1.45	-1116.1	801.3
2126	10	-1.85	-1428.2	727.8	2219	130	-1.60	-1233.2	480.3	2306	190	-1.68	-1290.4	784.1
2127	10	-1.63	-1254.0	781.2	2220	140	-1.74	-1340.3	873.0	2307	190	-1.35	-1038.7	720.8
2128	20	-1.32	-1016.7	857.2	2221	220	-1.78	-1370.1	944.7	2308	20	-1.48	-1141.4	761.7
2129	20	-1.24	-953.5	759.4	2222	250	-1.88	-1446.4	464.8	2309	30	-1.96	-1507.4	824.2
2130	20	-1.43	-1098.0	622.6	2223	250	-2.01	-1544.2	455.3	2310	190	-2.10	-1617.1	875.1
2131	210	-1.95	-1502.6	635.3	2224	330	-1.62	-1251.2	271.5	2311	190	-1.77	-1364.6	843.6
2132	10	-1.85	-1427.3	683.5	2225	120	-1.58	-1220.2	210.3	2312	180	-1.54	-1188.8	908.6
2133	20	-1.84	-1418.6	753.9	2226	130	-2.04	-1572.2	507.2	2313	190	-1.51	-1161.3	1014.2
2134	120	-1.27	-976.0	703.8	2227	140	-2.80	-2155.3	896.7	2314	180	-1.37	-1056.7	901.3
2135	50	-1.23	-946.7	588.9	2228	140	-1.96	-1506.6	887.1	2315	180	-1.41	-1086.0	859.6
2136	10	-1.47	-1130.7	490.2	2229	250	-2.04	-1571.7	371.5	2316	190	-1.37	-1056.9	869.5
2137	10	-2.03	-1564.1	502.0	2230	250	-1.65	-1269.1	384.5	2317	20	-1.32	-1019.1	833.2
2138	10	-2.08	-1600.8	552.3	2231	340	-1.51	-1164.1	286.3	2318	20	-1.62	-1244.8	871.7
2139	20	-1.82	-1403.6	712.5	2232	130	-1.76	-1358.7	185.2	2319	190	-1.87	-1443.2	855.5
2140	20	-1.33	-1023.8	681.3	2233	140	-2.28	-1756.9	445.5	2320	180	-2.30	-1770.6	909.3
2141	30	-1.22	-943.2	689.4	2234	130	-2.14	-1648.2	780.1	2321	180	-2.13	-1640.8	914.5
2142	50	-1.58	-1217.7	589.7	2235	140	-1.90	-1461.7	896.1	2322	180	-1.68	-1294.8	921.9
2143	20	-2.41	-1854.3	445.8	2236	250	-1.77	-1363.8	332.2	2323	180	-1.37	-1054.0	921.8
2144	170	-2.12	-1633.8	654.9	2237	250	-1.77	-1362.2	336.2	2324	190	-1.82	-1398.2	871.7
2145	160	-1.37	-1053.4	646.6	2238	330	-1.46	-1122.4	226.3	2325	180	-1.54	-1185.4	857.7
2146	60	-1.32	-1019.3	481.5	2239	130	-1.50	-1155.8	142.6	2326	190	-1.34	-1033.4	884.0
2147	160	-1.36	-1045.0	678.4	2240	130	-2.06	-1582.9	442.8	2327	30	-1.48	-1143.4	870.2
2148	60	-1.31	-1006.3	592.1	2241	130	-2.13	-1639.2	980.5	2328	180	-1.86	-1433.5	825.0
2149	40	-1.55	-1196.3	710.3	2242	130	-1.87	-1439.4	1064.6	2329	180	-2.03	-1563.2	836.8
2150	10	-2.12	-1629.3	481.9	2243	250	-1.70	-1308.1	274.7	2330	190	-2.22	-1710.0	864.0
2151	10	-2.88	-2217.3	615.6	2244	340	-2.10	-1617.3	303.6	2331	180	-1.75	-1351.3	850.8
2152	10	-1.55	-1192.5	739.3	2245	120	-1.30	-997.3	201.1	2332	190	-1.57	-1205.3	903.1
2153	20	-1.43	-1103.1	696.2	2246	120	-1.54	-1184.1	133.7	2333	180	-2.10	-1614.9	806.3
2154	270	1.09	-779.8	838.0	2247	130	-1.89	-1453.2	423.6	2334	180	-1.63	-1256.6	798.1
2155	30	-1.01	-780.7	749.8	2248	140	-2.69	-2073.1	722.5	2335	30	-1.45	-1114.2	884.6
2201	330	-1.99	-1530.2	748.5	2249	140	-2.34	-1800.6	707.0	2336	190	-1.65	-1271.1	795.6
2202	90	-1.53	-1175.8	718.6	2250	80	-1.51	-1163.5	292.5	2337	180	-2.23	-1718.2	763.4
2203	210	-1.38	-1062.1	711.8	2251	110	-1.11	-853.5	242.8	2338	180	-2.62	-2014.9	777.6
2204	240	-1.41	-1088.4	750.0	2252	120	-1.76	-1353.0	345.3	2339	190	-2.24	-1721.4	739.1
2205	130	-1.39	-1072.9	797.0	2253	140	-2.10	-1616.6	686.5	2340	190	-2.02	-1558.7	792.4
2206	140	-1.63	-1257.9	762.8	2254	170	-1.34	-1029.5	757.5	2341	190	-1.54	-1188.8	794.1
2207	140	-1.70	-1311.5	941.5	2255	80	-1.73	-1334.6	470.8	2342	180	-1.84	-1418.5	751.2
2208	330	-2.22	-1711.3	502.8	2256	110	-1.53	-1177.9	371.8	2343	190	-1.67	-1287.4	791.7
2209	120	-1.65	-1272.2	555.3	2257	90	-1.20	-922.2	360.4	2344	190	-2.00	-1542.5	665.1
2210	120	-1.28	-987.8	398.3	2258	110	-1.14	-877.1	238.1	2345	190	-1.79	-1381.4	650.6
2211	130	-1.35	-1043.0	312.4	2259	100	-1.18	-904.9	371.7	2346	180	-2.42	-1865.6	776.8
2212	130	-1.44	-1112.5	455.5	2260	130	-3.46	-2665.8	834.8	2347	180	-2.03	-1560.1	668.6
2213	130	-1.57	-1209.9	890.9	2261	130	-2.64	-2035.2	763.1	2348	180	-2.74	-2111.1	702.9
2214	150	-1.79	-1374.8	987.5	2301	190	-2.44	-1875.6	770.6	2349	180	-2.11	-1624.6	744.4
2215	310	-1.73	-1331.0	383.6	2302	180	-1.97	-1519.7	740.9	2350	180	-1.50	-1156.3	731.4
2216	250	-1.96	-1508.4	407.1	2303	180	-1.44	-1108.3	838.2	2351	190	-1.78	-1373.9	721.8
2217	330	-1.25	-965.1	330.6	2304	190	-1.38	-1061.4	962.7	2352	190	-1.50	-1151.8	737.7

TABLE 6A. PEAK LOADS FOR CONFIGURATION A : GATEWAY PROJECT TOWERS
LARGEST VALUES OF CLADDING LOAD REFERENCE PRESSURE = 770 PA

TAP	AZIMUTH	PRESS COEFF	NEGATIVE PEAK (PA)	POSITIVE PEAK (PA)
2353	190	-1.45	-1113.2	609.2
2354	210	-1.54	-1184.2	553.8
2355	190	-3.34	-2573.5	633.1
2356	180	-2.68	-2066.1	620.4
2357	190	-2.73	-2102.8	679.6
2358	190	-2.09	-1609.9	643.3
2359	180	-1.56	-1204.9	660.6
2360	180	-1.88	-1451.3	728.6
2361	190	-1.63	-1258.0	631.7
2362	190	-1.15	-882.1	627.3
2363	190	-1.23	-943.4	573.3
2364	190	-2.23	-1715.9	562.8
2365	190	-2.40	-1851.8	555.9
2366	190	-1.79	-1379.8	604.0
2367	190	-1.31	-1009.6	652.3
2368	20	-1.20	-924.6	457.7
2369	230	-2.74	-2107.5	386.0
2370	170	-2.75	-2119.2	637.0
2371	180	-2.19	-1686.8	787.6
2372	180	-1.94	-1496.4	865.3
2373	190	-1.28	-985.1	905.9
2374	190	-1.51	-1160.8	905.1
2375	350	-1.13	-872.5	749.8
2376	350	-1.12	-864.6	726.9
2377	340	-1.22	-940.4	634.1
2401	130	-2.18	-1675.7	687.6
2402	140	-1.65	-1274.3	697.7
2403	310	-1.35	-1042.9	718.9
2404	150	-1.44	-1105.2	631.4
2405	320	-1.73	-1332.9	620.8
2406	210	-2.07	-1595.2	642.9
2407	320	-2.47	-1901.4	745.7
2408	140	-1.84	-1416.5	892.1

TAP	AZIMUTH	PRESS COEFF	NEGATIVE PEAK (PA)	POSITIVE PEAK (PA)
2409	140	-1.55	-1197.1	880.1
2410	310	-1.54	-1187.0	858.2
2411	310	-1.52	-1168.8	901.8
2412	320	-1.62	-1250.1	925.1
2413	320	-2.60	-2001.2	830.3
2414	320	-2.10	-1616.0	970.6
2415	190	-1.81	-1395.0	738.2
2416	310	-1.59	-1226.1	762.9
2417	140	-1.25	-965.4	927.9
2418	320	-1.24	-956.9	906.4
2419	310	-1.74	-1339.2	899.9
2420	310	-1.80	-1387.8	842.1
2421	320	-1.88	-1446.7	796.8
2422	140	-1.52	-1171.2	611.1
2423	140	-1.54	-1186.0	620.1
2424	130	-1.23	-943.4	717.5
2425	310	-1.54	-1183.8	744.1
2426	310	-1.95	-1498.0	759.0
2427	330	-1.92	-1475.6	781.2
2428	330	-2.01	-1544.9	812.9
2429	310	-1.58	-1217.2	498.2
2430	140	-1.47	-1128.4	477.1
2431	140	-1.42	-1090.5	662.2
2432	310	-1.39	-1072.8	733.4
2433	310	-1.72	-1324.0	888.1
2434	320	-2.06	-1588.0	748.8
2435	320	-2.30	-1767.4	774.1
2436	190	-1.92	-1482.1	563.0
2437	140	-1.53	-1178.6	466.1
2438	140	-1.41	-1084.9	602.0
2439	310	-1.64	-1261.2	681.5
2440	310	-1.65	-1273.0	692.5

TAP	AZIMUTH	PRESS COEFF	NEGATIVE PEAK (PA)	POSITIVE PEAK (PA)
2441	330	-2.10	-1617.4	692.8
2442	320	-2.33	-1793.9	657.7
2443	220	-1.56	-1204.2	441.6
2444	200	-2.25	-1733.3	413.0
2445	150	-1.59	-1221.3	541.5
2446	290	-1.58	-1219.6	570.2
2447	310	-1.85	-1427.7	527.6
2448	310	-1.76	-1353.3	577.9
2449	310	-1.61	-1240.6	607.5
2450	150	-1.79	-1376.5	419.9
2451	210	-1.51	-1164.5	534.1
2452	310	-2.20	-1693.3	577.8
2453	310	-2.37	-1825.1	487.6
2454	330	-2.05	-1576.9	457.7
2455	160	-1.87	-1438.1	460.7
2456	160	-1.72	-1327.2	500.3
2457	300	-1.30	-1001.7	652.9
2458	310	-1.70	-1307.1	804.4
2459	300	-1.98	-1526.2	759.7
2460	310	-2.76	-2127.0	549.8
2461	310	-2.64	-2034.3	421.2
2901	330	-1.57	-1208.9	588.9
2902	70	-1.18	-907.1	775.7
2903	130	-1.19	-915.1	669.4
2904	70	-1.36	-1050.4	524.9
2905	260	-1.31	-1011.4	535.7
2906	10	-1.26	-973.0	623.7
2907	190	-1.58	-1213.8	393.5
2908	80	-1.23	-947.4	468.2
2909	170	-1.40	-1076.7	286.9
2910	160	-1.15	-884.8	522.0
2911	160	-1.17	-903.1	694.9

TABLE 6A. PEAK LOADS FOR CONFIGURATION A : GATEWAY PROJECT TOWERS
LARGEST VALUES OF CLADDING LOAD REFERENCE PRESSURE = 770 PA

* * 15 GREATEST PRESSURE MAGNITUDES * *

TAP	AZI-MUTH	PRESS COEFF	NEGATIVE PEAK ---- (PA)	POSITIVE PEAK ---- (PA)
1229	330	-3.66	-2815.2	775.1
1244	330	-3.53	-2720.9	593.0
2260	130	-3.46	-2665.8	834.8
1230	330	-3.37	-2596.8	744.0
1309	100	-3.36	-2586.8	805.3
2355	190	-3.34	-2573.5	633.1
1237	330	-3.18	-2450.3	728.4
1222	330	-2.91	-2244.5	752.3
2151	10	-2.88	-2217.3	615.6
1243	330	-2.85	-2193.7	564.6
1223	330	-2.85	-2192.9	851.7
2227	140	-2.80	-2155.3	896.7
1215	330	-2.79	-2145.0	883.2
2460	310	-2.76	-2127.0	549.8
2370	170	-2.75	-2119.2	637.0

TABLE 6A. PEAK LOADS FOR CONFIGURATION B : GATEWAY PROJECT TOWERS
LARGEST VALUES OF CLADDING LOAD REFERENCE PRESSURE = 770 PA

TAP	AZI-MUTH	PRESS COEFF	NEGATIVE PEAK (PA)	POSITIVE PEAK (PA)	TAP	AZI-MUTH	PRESS COEFF	NEGATIVE PEAK (PA)	POSITIVE PEAK (PA)	TAP	AZI-MUTH	PRESS COEFF	NEGATIVE PEAK (PA)	POSITIVE PEAK (PA)
1222	336	-3.71	-2856.6	383.6	1237	336	-3.52	-2710.9	292.5	2260	134	-3.31	-2546.8	803.6
1229	332	-3.89	-2998.1	425.2	1244	336	-2.37	-1821.7	317.5	2355	178	-2.43	-1874.1	613.1
1230	320	-3.84	-2957.9	300.3	1309	102	-3.20	-2463.5	805.1					

TABLE 6A. PEAK LOADS FOR CONFIGURATION B : GATEWAY PROJECT TOWERS
LARGEST VALUES OF CLADDING LOAD REFERENCE PRESSURE = 770 PA

* * 8 GREATEST PRESSURE MAGNITUDES * *

TAP	AZI-MUTH	PRESS COEFF	NEGATIVE PEAK (PA)	POSITIVE PEAK (PA)
1229	332	-3.89	-2998.1	425.2
1230	320	-3.84	-2957.9	300.3
1222	336	-3.71	-2856.6	383.6
1237	336	-3.52	-2710.9	292.5
2260	134	-3.31	-2546.8	803.6
1309	102	-3.20	-2463.5	805.1
2355	178	-2.43	-1874.1	613.1
1244	336	-2.37	-1821.7	317.5

TABLE 6B. COMPARISON OF CONFIGURATIONS A AND B : GATEWAY PROJECT TOWERS
TAPS WHERE NEGATIVE PEAK LOAD FOR CONFIG. B EXCEEDED THAT FOR CONFIG. A BY 200 PA
REF. PRESSURE = 770 PA

TAP	AZIMUTH	A CONFIG PA LOAD	AZIMUTH	B CONFIG PA LOAD
1222	330	-2244.5	336	-2856.6
1230	330	-2596.8	320	-2957.9
1237	330	-2450.3	336	-2710.9

TABLE 7. BASE SHEAR AND MOMENT SUMMARY : GATEWAY PROJECT TOWER ONE : BASED ON AEROELASTIC DATA
CONFIGURATION A REFERENCE PRESSURE 771

AZIMUTH	SHEAR (KN)		MOMENT (MN-M)			ECCEN (M)		SQUARE ROOT OF DYNAMIC RESPONSE FACTOR		
	X	Y	X	Y	Z	X	Y	X	Y	Z
0	-4344	9657	-729.7	-337.6	81.1	7	3	1.65	1.49	1.53
10	-4585	11531	-888.7	-358.2	83.0	6	2	1.78	1.55	1.63
20	-4591	11944	-928.9	-361.2	91.0	7	3	2.14	1.63	1.70
30	-4627	[redacted]	[redacted]	-369.9	91.6	8	4	2.80	1.87	1.81
40	[redacted]	[redacted]	[redacted]	[redacted]	122.5	-1	8	4.28	5.79	2.77
50	[redacted]	-9610	691.3	[redacted]	[redacted]	-19	1	2.98	3.76	4.87
60	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	5	0	4.13	5.00	3.67
70	[redacted]	[redacted]	[redacted]	[redacted]	-99.4	-8	-8	4.04	5.00	2.17
80	-2915	8357	-635.7	-203.8	-133.9	-14	-5	2.70	3.13	1.79
90	-4135	9916	-761.8	-310.1	-163.6	-14	-6	2.15	2.35	1.71
100	[redacted]	10814	-832.3	[redacted]	-177.2	-12	-7	2.15	3.45	1.75
110	[redacted]	9036	-696.7	[redacted]	-158.0	-17	4	2.43	2.37	2.15
120	3123	6530	-553.2	231.4	[redacted]	4	-2	2.97	1.76	3.95
130	3035	[redacted]	[redacted]	230.3	131.3	14	-38	4.04	1.67	1.96
140	3403	[redacted]	[redacted]	265.9	145.5	-15	-6	2.88	1.73	1.64
150	4111	-9504	697.6	323.4	141.6	-13	-5	1.90	1.72	1.57
160	4265	-10842	786.2	334.7	115.2	-9	-4	1.78	1.58	1.56
170	4244	-10231	746.3	330.2	94.6	-8	-3	1.61	1.50	1.59
180	4152	-10227	764.5	328.4	83.3	-7	-3	1.51	1.48	1.64
190	3915	-11578	885.1	312.4	87.7	-7	-2	1.53	1.48	1.85
200	3645	-11796	909.2	289.6	[redacted]	-7	-2	1.50	1.48	2.28
210	3494	-12233	942.1	273.2	[redacted]	-73	-21	1.51	1.51	14.05
220	3424	-12684	983.9	268.3	[redacted]	1	0	1.52	1.52	2.57
230	3249	-11367	911.5	256.7	-53.2	4	1	1.62	1.73	2.14
240	2438	-10856	854.4	169.9	-77.0	7	2	1.72	2.06	1.58
250	3000	-9325	726.3	186.7	-106.4	10	3	1.65	2.48	1.56
260	[redacted]	-9263	713.4	[redacted]	-128.5	12	4	1.82	3.03	1.54
270	[redacted]	-9694	792.5	[redacted]	-155.5	13	6	1.97	3.35	1.57
280	[redacted]	-9757	834.6	[redacted]	-156.6	16	0	2.04	3.59	1.75
290	-1909	-11189	968.9	-135.0	-146.6	13	-2	2.36	1.95	2.34
300	-2356	-9015	793.0	-173.6	[redacted]	9	-2	2.46	1.70	4.76
310	-2667	[redacted]	[redacted]	-201.0	80.1	-11	5	3.63	1.66	2.15
320	-2955	[redacted]	[redacted]	-232.0	121.5	13	5	2.95	1.69	1.77
330	-3443	9656	-742.9	-281.0	145.0	13	5	2.21	1.87	1.85
340	-3784	10270	-762.7	-299.8	109.5	9	3	1.90	1.62	1.66
350	-4257	10650	-785.4	-333.5	99.8	8	3	1.79	1.49	1.59

TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER ONE : BASED ON AEROELASTIC DATA
WIND DIRECTION 0 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN) X	FORCE (KN) Y	AREA (SQ M) X	AREA (SQ M) Y	PRESSURE (PA) X	PRESSURE (PA) Y	ECCEN (M) X	ECCEN (M) Y	SHEAR (KN) X	SHEAR (KN) Y	MOMENT (MN-M) X	MOMENT (MN-M) Y	MOMENT (MN-M) Z
GRND	0.00									-4343.5	9657.3	-729.7	-337.6	81.1
		-151.2	385.8	163	436	-926.6	885.4	5	2					
1ST	5.50									-4192.4	9271.5	-677.6	-314.1	79.0
		-92.5	239.1	109	290	-851.3	824.0	5	2					
2ND	9.16									-4099.9	9032.5	-644.1	-299.0	77.7
		-88.0	227.3	109	290	-809.8	783.6	4	2					
3RD	12.82									-4011.9	8805.2	-611.5	-284.1	76.6
		-87.5	222.0	109	290	-805.4	765.3	5	2					
4TH	16.48									-3924.5	8583.1	-579.7	-269.6	75.4
		-89.0	221.5	109	290	-819.2	763.5	5	2					
5TH	20.14									-3835.5	8361.6	-548.7	-255.4	74.1
		-90.5	221.0	109	290	-833.0	761.7	5	2					
6TH	23.80									-3745.0	8140.7	-518.4	-241.5	72.8
		-92.0	221.1	109	290	-847.3	762.0	6	2					
7TH	27.46									-3653.0	7919.6	-489.1	-228.0	71.3
		-93.6	222.2	109	290	-861.9	765.9	6	2					
8TH	31.12									-3559.4	7697.4	-460.5	-214.8	69.8
		-95.2	223.3	109	290	-876.4	769.9	6	3					
9TH	34.78									-3464.2	7474.1	-432.7	-201.9	68.2
		-96.8	224.5	109	290	-891.0	773.8	6	3					
10TH	38.44									-3367.4	7249.6	-405.8	-189.4	66.5
		-98.4	225.6	109	290	-905.6	777.8	7	3					
11TH	42.11									-3269.1	7023.9	-379.6	-177.3	64.7
		-99.9	226.8	109	290	-920.1	781.7	7	3					
12TH	45.77									-3169.1	6797.2	-354.3	-165.5	62.9
		-101.0	227.4	109	290	-930.1	783.8	7	3					
13TH	49.43									-3068.1	6569.8	-329.9	-154.1	61.0
		-101.6	227.6	109	290	-935.5	784.6	7	3					
14TH	53.09									-2966.5	6342.2	-306.2	-143.0	59.0
		-102.2	227.9	109	290	-941.0	785.5	7	3					
15TH	56.75									-2864.3	6114.3	-283.4	-132.4	57.0
		-102.8	228.1	109	290	-946.5	786.3	8	3					
16TH	60.41									-2761.5	5886.2	-261.5	-122.1	54.9
		-103.4	228.4	109	290	-952.0	787.1	8	3					
17TH	64.07									-2658.1	5657.8	-240.3	-112.1	52.8
		-104.0	228.6	109	290	-957.5	788.0	8	4					
18TH	67.73									-2554.1	5429.2	-220.0	-102.6	50.6
		-105.0	229.3	109	290	-967.0	790.6	8	4					
19TH	71.39									-2449.1	5199.9	-200.6	-93.4	48.4
		-106.7	230.8	109	290	-982.5	795.5	8	4					
20TH	75.05									-2342.3	4969.1	-182.0	-84.7	46.2
		-108.4	232.2	109	290	-998.0	800.4	8	4					
21ST	78.71									-2233.9	4736.9	-164.2	-76.3	43.9
		-110.1	233.6	109	290	-1013.5	805.4	8	4					
22ND	82.37									-2123.9	4503.3	-147.3	-68.3	41.6
		-111.8	235.1	109	290	-1029.0	810.3	8	4					
23RD	86.03									-2012.1	4268.2	-131.2	-60.7	39.3
		-113.4	236.5	109	290	-1044.5	815.2	8	4					
24TH	89.69									-1898.7	4031.7	-116.1	-53.6	36.9
		-115.3	238.2	109	290	-1061.6	821.1	8	4					

TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER ONE : BASED ON AEROELASTIC DATA

WIND DIRECTION 0 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN) X	FORCE (KN) Y	AREA (SQ M) X	AREA (SQ M) Y	PRESSURE (PA) X	PRESSURE (PA) Y	ECCEN (M) X	ECCEN (M) Y	SHEAR (KN) X	SHEAR (KN) Y	MOMENT (MN-M) X	MOMENT (MN-M) Y	MOMENT (MN-M) Z
25TH	93.35									-1783.3	3793.5	-101.7	-46.9	34.5
		-117.6	242.3	109	290	-1082.4	835.2	8	4					
26TH	97.01									-1665.8	3551.2	-88.3	-40.5	32.0
		-119.8	246.4	109	290	-1103.2	849.3	8	4					
27TH	100.68									-1546.0	3304.8	-75.7	-34.7	29.6
		-122.1	250.5	109	290	-1124.0	863.3	8	4					
28TH	104.34									-1423.9	3054.4	-64.1	-29.2	27.1
		-124.3	254.5	109	290	-1144.8	877.4	8	4					
29TH	108.00									-1299.5	2799.8	-53.4	-24.2	24.6
		-126.6	258.6	109	290	-1165.6	891.5	8	4					
30TH	111.66									-1172.9	2541.2	-43.6	-19.7	22.1
		-128.5	262.2	109	290	-1182.8	903.9	8	4					
31ST	115.32									-1044.5	2278.9	-34.8	-15.7	19.6
		-128.7	266.6	109	290	-1185.0	918.9	8	4					
32ND	118.98									-915.8	2012.4	-26.9	-12.1	17.1
		-128.9	271.2	109	290	-1187.2	934.7	7	4					
33RD	122.64									-786.8	1741.2	-20.1	-9.0	14.6
		-129.2	275.7	109	290	-1189.4	950.5	7	3					
34TH	126.30									-657.7	1465.5	-14.2	-6.3	12.2
		-129.4	280.3	109	290	-1191.6	966.3	7	3					
35TH	129.96									-528.3	1185.2	-9.3	-4.1	9.8
		-129.7	284.9	109	290	-1193.8	982.1	7	3					
36TH	133.62									-398.6	900.2	-5.5	-2.4	7.4
		-126.2	283.9	109	290	-1162.4	978.6	7	3					
37TH	137.28									-272.4	616.3	-2.7	-1.2	5.1
		-116.5	262.9	109	290	-1072.9	906.4	7	3					
38TH	140.94									-155.8	353.4	-1.0	-.4	2.9
		-155.8	353.4	162	433	-961.4	816.3	7	3					
TOP	146.44									0.0	0.0	0.0	0.0	0.0

TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER ONE : BASED ON AEROELASTIC DATA
WIND DIRECTION 10 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN) X	FORCE (KN) Y	AREA (SQ M) X	AREA (SQ M) Y	PRESSURE (PA) X	PRESSURE (PA) Y	ECCEN (M) X	ECCEN (M) Y	SHEAR (KN) X	SHEAR (KN) Y	MOMENT (MN-M) X	MOMENT (MN-M) Y	MOMENT (MN-M) Z
GRND	0.00									-4584.6	11530.6	-888.7	-358.2	83.0
		-153.9	446.8	163	436	-943.5	1025.3	4	1					
1ST	5.50									-4430.7	11083.8	-826.5	-333.4	80.9
		-94.9	275.1	109	290	-873.4	948.2	4	1					
2ND	9.16									-4335.8	10808.7	-786.5	-317.3	79.7
		-90.3	259.2	109	290	-831.2	893.5	4	1					
3RD	12.82									-4245.5	10549.5	-747.4	-301.6	78.6
		-90.2	252.5	109	290	-830.7	870.2	4	1					
4TH	16.48									-4155.3	10297.1	-709.2	-286.3	77.4
		-92.4	253.5	109	290	-850.5	873.8	4	2					
5TH	20.14									-4062.9	10043.6	-672.0	-271.2	76.2
		-94.5	254.5	109	290	-870.3	877.4	5	2					
6TH	23.80									-3968.4	9789.0	-635.7	-256.5	74.8
		-96.2	255.2	109	290	-885.3	879.6	5	2					
7TH	27.46									-3872.2	9533.8	-600.3	-242.2	73.4
		-97.5	255.9	109	290	-897.3	882.2	5	2					
8TH	31.12									-3774.8	9277.9	-565.9	-228.2	71.8
		-98.8	256.7	109	290	-909.4	884.9	6	2					
9TH	34.78									-3676.0	9021.2	-532.4	-214.5	70.2
		-100.1	257.5	109	290	-921.4	887.5	6	2					
10TH	38.44									-3575.9	8763.7	-499.8	-201.3	68.5
		-101.4	258.2	109	290	-933.4	890.1	6	2					
11TH	42.11									-3474.6	8505.5	-468.2	-188.4	66.6
		-102.7	259.0	109	290	-945.5	892.7	6	3					
12TH	45.77									-3371.9	8246.5	-437.6	-175.8	64.8
		-104.1	260.0	109	290	-958.5	896.1	7	3					
13TH	49.43									-3267.8	7986.6	-407.9	-163.7	62.8
		-105.6	261.2	109	290	-972.4	900.5	7	3					
14TH	53.09									-3162.1	7725.4	-379.1	-151.9	60.8
		-107.1	262.5	109	290	-986.4	904.8	7	3					
15TH	56.75									-3055.0	7462.9	-351.3	-140.5	58.7
		-108.6	263.8	109	290	-1000.3	909.2	7	3					
16TH	60.41									-2946.4	7199.1	-324.5	-129.5	56.5
		-110.2	265.0	109	290	-1014.2	913.5	7	3					
17TH	64.07									-2836.2	6934.1	-298.6	-119.0	54.3
		-111.7	266.3	109	290	-1028.2	917.9	7	3					
18TH	67.73									-2724.5	6667.8	-273.7	-108.8	52.1
		-113.4	268.1	109	290	-1044.3	924.1	7	3					
19TH	71.39									-2611.1	6399.7	-249.8	-99.0	49.7
		-115.5	272.1	109	290	-1063.4	938.1	7	3					
20TH	75.05									-2495.6	6127.6	-226.8	-89.7	47.4
		-117.6	276.2	109	290	-1082.6	952.1	7	3					
21ST	78.71									-2378.0	5851.4	-204.9	-80.7	45.0
		-119.7	280.2	109	290	-1101.7	966.0	7	3					
22ND	82.37									-2258.4	5571.1	-184.0	-72.3	42.5
		-121.7	284.3	109	290	-1120.9	980.0	8	3					
23RD	86.03									-2136.7	5286.8	-164.1	-64.2	40.0
		-123.8	288.3	109	290	-1140.0	994.0	8	3					
24TH	89.69									-2012.8	4998.5	-145.3	-56.6	37.4
		-125.7	292.2	109	290	-1157.4	1007.1	8	3					

TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER ONE : BASED ON AEROELASTIC DATA
WIND DIRECTION 10 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN) X	FORCE (KN) Y	AREA (SQ M) X	AREA (SQ M) Y	PRESSURE (PA) X	PRESSURE (PA) Y	ECCEN (M) X	ECCEN (M) Y	SHEAR (KN) X	SHEAR (KN) Y	MOMENT (MN-M) X	MOMENT (MN-M) Y	MOMENT (MN-M) Z
25TH	93.35									-1887.1	4706.3	-127.6	-49.5	34.8
		-127.2	296.7	109	290	-1170.9	1022.6	7	3					
26TH	97.01									-1760.0	4409.6	-110.9	-42.8	32.2
		-128.6	301.2	109	290	-1184.3	1038.1	7	3					
27TH	100.68									-1631.3	4108.5	-95.3	-36.6	29.5
		-130.1	305.7	109	290	-1197.8	1053.6	7	3					
28TH	104.34									-1501.2	3802.8	-80.8	-30.9	26.9
		-131.5	310.2	109	290	-1211.2	1069.1	7	3					
29TH	108.00									-1369.7	3492.6	-67.4	-25.6	24.3
		-133.0	314.7	109	290	-1224.6	1084.6	7	3					
30TH	111.66									-1236.7	3178.0	-55.2	-20.8	21.7
		-134.3	318.9	109	290	-1236.5	1099.4	7	3					
31ST	115.32									-1102.4	2859.1	-44.2	-16.6	19.1
		-134.9	325.9	109	290	-1241.9	1123.5	7	3					
32ND	118.98									-967.5	2533.1	-34.3	-12.8	16.5
		-135.5	333.2	109	290	-1247.3	1148.7	6	3					
33RD	122.64									-832.0	2199.9	-25.7	-9.5	14.0
		-136.1	340.6	109	290	-1252.7	1173.9	6	2					
34TH	126.30									-695.9	1859.3	-18.2	-6.7	11.5
		-136.7	347.9	109	290	-1258.2	1199.1	6	2					
35TH	129.96									-559.3	1511.5	-12.1	-4.4	9.1
		-137.2	355.2	109	290	-1263.6	1224.3	6	2					
36TH	133.62									-422.1	1156.3	-7.2	-2.6	6.7
		-133.8	356.1	109	290	-1232.0	1227.5	5	2					
37TH	137.28									-288.3	800.2	-3.6	-1.3	4.5
		-123.4	336.0	109	290	-1136.3	1158.3	5	2					
38TH	140.94									-164.8	464.2	-1.3	-.5	2.5
		-164.8	464.2	162	433	-1017.0	1072.1	5	2					
TOP	146.44									0.0	0.0	0.0	0.0	0.0

TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER ONE : BASED ON AEROELASTIC DATA
WIND DIRECTION 20 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN)		AREA (SQ M)		PRESSURE (PA)		ECCEN (M)		SHEAR (KN)		MOMENT (MN-M)		
		X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	Z
GRND	0.00									-4591.4	11944.3	-928.9	-361.2	91.0
		-152.3	486.3	163	436	-933.8	1116.0	4	1					
1ST	5.50									-4439.0	11458.0	-864.5	-336.3	88.7
		-91.8	291.6	109	290	-845.1	1005.2	4	1					
2ND	9.16									-4347.2	11166.4	-823.1	-320.3	87.4
		-86.3	269.8	109	290	-794.7	930.0	4	1					
3RD	12.82									-4260.9	10896.6	-782.8	-304.5	86.2
		-87.2	263.4	109	290	-802.9	908.1	4	1					
4TH	16.48									-4173.7	10633.1	-743.3	-289.1	84.9
		-91.2	269.4	109	290	-839.6	928.5	5	2					
5TH	20.14									-4082.5	10363.8	-704.9	-274.0	83.5
		-95.2	275.3	109	290	-876.3	949.0	5	2					
6TH	23.80									-3987.3	10088.5	-667.5	-259.2	81.9
		-97.5	277.1	109	290	-897.5	955.2	6	2					
7TH	27.46									-3889.9	9811.3	-631.1	-244.8	80.1
		-98.7	274.7	109	290	-909.0	947.1	6	2					
8TH	31.12									-3791.1	9536.6	-595.6	-230.7	78.3
		-100.0	272.4	109	290	-920.6	938.9	6	2					
9TH	34.78									-3691.1	9264.2	-561.2	-217.0	76.5
		-101.2	270.0	109	290	-932.2	930.7	6	2					
10TH	38.44									-3589.9	8994.2	-527.8	-203.7	74.5
		-102.5	267.6	109	290	-943.7	922.5	7	3					
11TH	42.11									-3487.4	8726.6	-495.4	-190.7	72.5
		-103.8	265.3	109	290	-955.3	914.4	7	3					
12TH	45.77									-3383.6	8461.3	-463.9	-178.2	70.4
		-104.8	263.1	109	290	-965.0	907.0	7	3					
13TH	49.43									-3278.8	8198.2	-433.4	-166.0	68.3
		-105.7	262.5	109	290	-973.0	904.8	7	3					
14TH	53.09									-3173.1	7935.7	-403.9	-154.1	66.1
		-106.5	261.9	109	290	-981.0	902.7	7	3					
15TH	56.75									-3066.6	7673.8	-375.3	-142.7	63.8
		-107.4	261.2	109	290	-988.9	900.5	7	3					
16TH	60.41									-2959.2	7412.6	-347.7	-131.7	61.5
		-108.3	260.6	109	290	-996.9	898.4	8	3					
17TH	64.07									-2850.9	7152.0	-321.1	-121.1	59.2
		-109.1	260.0	109	290	-1004.9	896.2	8	3					
18TH	67.73									-2741.8	6892.0	-295.3	-110.8	56.8
		-110.6	260.4	109	290	-1018.3	897.6	8	3					
19TH	71.39									-2631.2	6631.6	-270.6	-101.0	54.4
		-112.9	262.6	109	290	-1039.7	905.1	8	3					
20TH	75.05									-2518.3	6369.0	-246.8	-91.6	52.0
		-115.2	264.7	109	290	-1061.0	912.5	8	3					
21ST	78.71									-2403.0	6104.3	-224.0	-82.6	49.5
		-117.6	266.9	109	290	-1082.4	919.9	8	4					
22ND	82.37									-2285.5	5837.5	-202.1	-74.0	46.9
		-119.9	269.0	109	290	-1103.7	927.4	8	4					
23RD	86.03									-2165.6	5568.4	-181.2	-65.8	44.3
		-122.2	271.2	109	290	-1125.1	934.8	8	4					
24TH	89.69									-2043.4	5297.2	-161.3	-58.1	41.7
		-124.4	273.3	109	290	-1145.0	942.0	8	4					

TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER ONE : BASED ON AEROELASTIC DATA
WIND DIRECTION 20 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN) X	FORCE (KN) Y	AREA (SQ M) X	AREA (SQ M) Y	PRESSURE (PA) X	PRESSURE (PA) Y	ECCEN (M) X	ECCEN (M) Y	SHEAR (KN) X	SHEAR (KN) Y	MOMENT (MN-M) X	MOMENT (MN-M) Y	MOMENT (MN-M) Z
25TH	93.35									-1919.0	5024.0	-142.5	-50.9	39.1
		-126.2	281.3	109	290	-1161.7	969.6	8	4					
26TH	97.01									-1792.9	4742.7	-124.6	-44.1	36.4
		-128.0	289.3	109	290	-1178.3	997.2	8	3					
27TH	100.68									-1664.9	4453.4	-107.7	-37.8	33.7
		-129.8	297.3	109	290	-1195.0	1024.8	8	3					
28TH	104.34									-1535.1	4156.1	-92.0	-31.9	31.0
		-131.6	305.3	109	290	-1211.6	1052.5	8	3					
29TH	108.00									-1403.5	3850.8	-77.3	-26.5	28.2
		-133.4	313.3	109	290	-1228.3	1080.1	8	3					
30TH	111.66									-1270.1	3537.4	-63.8	-21.6	25.4
		-135.1	321.1	109	290	-1243.6	1106.9	8	3					
31ST	115.32									-1135.0	3216.3	-51.5	-17.2	22.5
		-136.1	335.7	109	290	-1253.5	1157.1	7	3					
32ND	118.98									-998.9	2880.6	-40.3	-13.3	19.7
		-137.2	351.0	109	290	-1263.4	1209.8	7	3					
33RD	122.64									-861.6	2529.7	-30.4	-9.9	16.8
		-138.3	366.3	109	290	-1273.3	1262.5	7	3					
34TH	126.30									-723.3	2163.4	-21.8	-7.0	14.0
		-139.4	381.5	109	290	-1283.1	1315.2	7	2					
35TH	129.96									-584.0	1781.9	-14.6	-4.6	11.2
		-140.4	396.8	109	290	-1293.0	1367.9	6	2					
36TH	133.62									-443.5	1385.0	-8.8	-2.7	8.3
		-137.9	405.4	109	290	-1269.8	1397.4	6	2					
37TH	137.28									-305.6	979.6	-4.5	-1.4	5.6
		-129.2	398.3	109	290	-1189.2	1373.0	6	2					
38TH	140.94									-176.5	581.3	-1.6	-.5	3.1
		-176.5	581.3	162	433	-1088.7	1342.7	5	1					
TOP	146.44									0.0	0.0	0.0	0.0	0.0

TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER ONE : BASED ON AEROELASTIC DATA
WIND DIRECTION 30 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN) X	FORCE (KN) Y	AREA (SQ M) X	AREA (SQ M) Y	PRESSURE (PA) X	PRESSURE (PA) Y	ECCEN (M) X	ECCEN (M) Y	SHEAR (KN) X	SHEAR (KN) Y	MOMENT (MN-M) X	MOMENT (MN-M) Y	MOMENT (MN-M) Z
GRND	0.00									-4627.5	9469.7	-767.0	-369.9	91.6
		-159.7	468.6	163	436	-978.7	1075.3	4	1					
1ST	5.50									-4467.8	9001.1	-716.3	-344.9	89.4
		-93.4	259.1	109	290	-860.1	893.2	5	2					
2ND	9.16									-4374.4	8742.0	-683.8	-328.7	88.1
		-88.4	228.8	109	290	-814.2	788.7	5	2					
3RD	12.82									-4285.9	8513.2	-652.2	-312.9	86.7
		-89.0	216.4	109	290	-819.0	746.0	6	2					
4TH	16.48									-4197.0	8296.7	-621.4	-297.4	85.3
		-92.2	218.7	109	290	-848.7	753.7	6	3					
5TH	20.14									-4104.8	8078.1	-591.5	-282.2	83.8
		-95.4	220.9	109	290	-878.4	761.4	6	3					
6TH	23.80									-4009.4	7857.2	-562.3	-267.3	82.1
		-97.3	218.9	109	290	-895.7	754.7	7	3					
7TH	27.46									-3912.1	7638.2	-533.9	-252.8	80.4
		-98.3	212.9	109	290	-905.2	733.9	7	3					
8TH	31.12									-3813.8	7425.3	-506.4	-238.7	78.5
		-99.4	206.8	109	290	-914.8	713.0	7	4					
9TH	34.78									-3714.5	7218.5	-479.6	-224.9	76.7
		-100.4	200.8	109	290	-924.4	692.1	8	4					
10TH	38.44									-3614.0	7017.7	-453.5	-211.5	74.8
		-101.4	194.7	109	290	-934.0	671.3	8	4					
11TH	42.11									-3512.6	6823.6	-428.2	-198.4	72.8
		-102.5	188.7	109	290	-943.6	650.4	8	4					
12TH	45.77									-3410.1	6634.3	-403.5	-185.8	70.8
		-102.9	182.1	109	290	-947.9	627.8	9	5					
13TH	49.43									-3307.2	6452.2	-379.6	-173.5	68.7
		-102.9	176.7	109	290	-947.1	609.1	9	5					
14TH	53.09									-3204.3	6275.5	-356.3	-161.6	66.6
		-102.8	171.3	109	290	-946.3	590.3	9	5					
15TH	56.75									-3101.5	6104.2	-333.6	-150.0	64.5
		-102.7	165.8	109	290	-945.5	571.6	9	6					
16TH	60.41									-2998.8	5938.4	-311.6	-138.9	62.3
		-102.6	160.4	109	290	-944.7	552.9	10	6					
17TH	64.07									-2896.2	5778.0	-290.1	-128.1	60.1
		-102.5	155.0	109	290	-943.9	534.2	10	7					
18TH	67.73									-2793.7	5623.0	-269.3	-117.6	57.9
		-103.5	152.5	109	290	-953.2	525.8	10	7					
19TH	71.39									-2690.2	5470.5	-249.0	-107.6	55.6
		-106.1	157.2	109	290	-977.0	541.7	10	7					
20TH	75.05									-2584.1	5313.3	-229.2	-98.0	53.3
		-108.7	161.8	109	290	-1000.8	557.7	10	7					
21ST	78.71									-2475.4	5151.5	-210.1	-88.7	51.0
		-111.3	166.4	109	290	-1024.6	573.6	10	7					
22ND	82.37									-2364.1	4985.1	-191.5	-79.8	48.6
		-113.9	171.0	109	290	-1048.4	589.5	10	6					
23RD	86.03									-2250.2	4814.1	-173.6	-71.4	46.2
		-116.5	175.6	109	290	-1072.3	605.4	10	6					
24TH	89.69									-2133.8	4638.5	-156.3	-63.4	43.8
		-119.0	180.3	109	290	-1095.8	621.4	10	6					

TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER ONE : BASED ON AEROELASTIC DATA
WIND DIRECTION 30 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN)		AREA (SQ M)		PRESSURE (PA)		ECCEN (M)		SHEAR (KN)		MOMENT (MN-M)		
		X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	Z
25TH	93.35									-2014.7	4458.2	-130.6	-55.8	41.4
		-121.5	189.9	109	290	-1118.8	654.6	9	6					
26TH	97.01									-1893.2	4268.3	-123.7	-48.6	38.8
		-124.0	199.5	109	290	-1141.7	687.7	9	6					
27TH	100.68									-1769.2	4068.8	-108.4	-41.9	36.3
		-126.5	209.1	109	290	-1164.7	720.9	9	6					
28TH	104.34									-1642.7	3859.7	-93.9	-35.7	33.6
		-129.0	218.8	109	290	-1187.6	754.1	9	5					
29TH	108.00									-1513.7	3640.9	-80.2	-29.9	31.0
		-131.5	228.4	109	290	-1210.6	787.2	9	5					
30TH	111.66									-1382.3	3412.6	-67.3	-24.6	28.2
		-134.1	238.3	109	290	-1234.7	821.5	9	5					
31ST	115.32									-1248.1	3174.2	-55.2	-19.8	25.4
		-137.3	263.9	109	290	-1263.8	909.8	9	4					
32ND	118.98									-1110.9	2910.3	-44.1	-15.5	22.5
		-140.4	290.9	109	290	-1292.9	1002.7	8	4					
33RD	122.64									-970.5	2619.4	-33.9	-11.7	19.5
		-143.6	317.8	109	290	-1322.0	1095.5	8	4					
34TH	126.30									-826.9	2301.6	-24.9	-8.4	16.5
		-146.7	344.7	109	290	-1351.1	1188.3	8	3					
35TH	129.96									-680.1	1956.9	-17.1	-5.6	13.3
		-149.9	371.7	109	290	-1380.2	1281.1	7	3					
36TH	133.62									-530.2	1585.2	-10.7	-3.4	10.1
		-151.9	398.1	109	290	-1398.5	1372.3	7	3					
37TH	137.28									-378.3	1187.1	-5.6	-1.7	6.9
		-151.8	442.9	109	290	-1398.0	1526.7	6	2					
38TH	140.94									-226.5	744.2	-2.0	-.6	3.9
		-226.5	744.2	162	433	-1397.4	1719.0	5	1					
TOP	146.44									0.0	0.0	0.0	0.0	0.0

TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER ONE : BASED ON AEROELASTIC DATA
WIND DIRECTION 40 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN) X	FORCE (KN) Y	AREA (SQ M) X	AREA (SQ M) Y	PRESSURE (PA) X	PRESSURE (PA) Y	ECCEN (M) X	ECCEN (M) Y	SHEAR (KN) X	SHEAR (KN) Y	MOMENT (MN-M) X	MOMENT (MN-M) Y	MOMENT (MN-M) Z
GRND	0.00									-15277.8	-2902.6	118.5	-1174.9	122.5
		-694.0	1.2	163	436	-4254.2	2.6	0	6					
1ST	5.50									-14583.7	-2903.8	102.5	-1092.8	118.5
		-452.1	-18.7	109	290	-4162.4	-64.4	-0	6					
2ND	9.16									-14131.6	-2885.1	91.9	-1040.2	115.8
		-474.5	-17.6	109	290	-4368.5	-60.8	-0	6					
3RD	12.82									-13657.2	-2867.5	81.4	-989.4	113.0
		-477.9	-30.5	109	290	-4400.2	-105.1	-0	6					
4TH	16.48									-13179.2	-2837.0	70.9	-940.3	110.1
		-472.1	-53.9	109	290	-4346.6	-185.6	-1	6					
5TH	20.14									-12707.2	-2783.1	60.6	-892.9	107.2
		-466.3	-77.2	109	290	-4292.9	-266.2	-1	6					
6TH	23.80									-12240.9	-2705.9	50.6	-847.2	104.1
		-447.5	-100.9	109	290	-4120.5	-347.8	-1	6					
7TH	27.46									-11793.4	-2605.0	40.9	-803.2	101.1
		-420.8	-116.2	109	290	-3874.8	-400.6	-2	7					
8TH	31.12									-11372.5	-2488.8	31.5	-760.8	98.1
		-394.2	-131.5	109	290	-3629.2	-453.4	-2	7					
9TH	34.78									-10978.4	-2357.3	22.7	-719.9	95.2
		-367.5	-146.9	109	290	-3383.5	-506.2	-3	7					
10TH	38.44									-10610.9	-2210.4	14.3	-680.4	92.4
		-340.8	-162.2	109	290	-3137.8	-559.0	-3	7					
11TH	42.11									-10270.1	-2048.2	6.5	-642.2	89.6
		-314.1	-177.5	109	290	-2892.2	-611.8	-4	6					
12TH	45.77									-9955.9	-1870.8	-.6	-605.2	86.9
		-294.7	-186.0	109	290	-2713.3	-641.2	-4	6					
13TH	49.43									-9661.3	-1684.7	-7.2	-569.2	84.3
		-282.2	-182.6	109	290	-2598.0	-629.3	-4	6					
14TH	53.09									-9379.1	-1502.2	-13.0	-534.4	81.8
		-269.6	-179.1	109	290	-2482.6	-617.5	-4	6					
15TH	56.75									-9109.4	-1323.0	-18.2	-500.6	79.4
		-257.1	-175.7	109	290	-2367.3	-605.6	-4	6					
16TH	60.41									-8852.3	-1147.4	-22.7	-467.7	77.0
		-244.6	-172.2	109	290	-2252.0	-593.7	-4	6					
17TH	64.07									-8607.7	-975.1	-26.6	-435.7	74.8
		-232.1	-168.8	109	290	-2136.7	-581.9	-4	6					
18TH	67.73									-8375.7	-806.3	-29.8	-404.6	72.7
		-225.9	-162.9	109	290	-2079.8	-561.7	-4	6					
19TH	71.39									-8149.8	-643.4	-32.5	-374.4	70.6
		-229.0	-159.5	109	290	-2108.5	-549.7	-4	6					
20TH	75.05									-7920.8	-483.9	-34.5	-345.0	68.5
		-232.1	-156.0	109	290	-2137.1	-537.7	-4	6					
21ST	78.71									-7688.7	-327.9	-36.0	-316.4	66.3
		-235.2	-152.5	109	290	-2165.7	-525.7	-4	7					
22ND	82.37									-7453.4	-175.4	-37.0	-288.7	64.1
		-238.3	-149.0	109	290	-2194.3	-513.7	-4	7					
23RD	86.03									-7215.1	-26.4	-37.3	-261.8	61.8
		-241.4	-145.5	109	290	-2222.9	-501.7	-4	7					
24TH	89.69									-6973.7	119.1	-37.2	-235.9	59.5
		-249.6	-139.6	109	290	-2298.0	-481.1	-4	7					

TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER ONE : BASED ON AEROELASTIC DATA
WIND DIRECTION 40 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN) X	FORCE (KN) Y	AREA (SQ M) X	AREA (SQ M) Y	PRESSURE (PA) X	PRESSURE (PA) Y	ECCEN (M) X	ECCEN (M) Y	SHEAR (KN) X	SHEAR (KN) Y	MOMENT (MN-M) X	MOMENT (MN-M) Y	Z
25TH	93.35									-6724.1	258.7	-36.5	-210.8	57.2
		-269.5	-129.1	109	290	-2481.5	-445.2	-4	8					
26TH	97.01									-6454.6	387.9	-35.3	-184.7	54.6
		-289.4	-118.7	109	290	-2665.0	-409.2	-3	8					
27TH	100.68									-6165.1	506.6	-33.6	-163.6	51.8
		-309.4	-108.3	109	290	-2848.4	-373.2	-3	9					
28TH	104.34									-5855.8	614.8	-31.6	-141.6	48.9
		-329.3	-97.8	109	290	-3031.9	-337.2	-3	9					
29TH	108.00									-5526.5	712.7	-29.2	-120.7	45.7
		-349.2	-87.4	109	290	-3215.4	-301.3	-2	9					
30TH	111.66									-5177.2	800.1	-26.4	-101.2	42.4
		-372.7	-74.8	109	290	-3431.2	-257.8	-2	9					
31ST	115.32									-4804.6	874.9	-23.3	-82.9	38.8
		-410.7	-47.7	109	290	-3781.1	-164.5	-1	9					
32ND	118.98									-4393.9	922.6	-20.0	-66.1	35.0
		-448.7	-20.2	109	290	-4131.0	-69.5	-0	9					
33RD	122.64									-3945.2	942.7	-16.6	-50.8	30.9
		-486.7	7.4	109	290	-4480.9	25.5	0	9					
34TH	126.30									-3458.5	935.3	-13.2	-37.2	26.6
		-524.7	35.0	109	290	-4830.8	120.5	1	9					
35TH	129.96									-2933.9	900.3	-9.8	-25.5	21.9
		-562.7	62.5	109	290	-5180.8	215.6	1	9					
36TH	133.62									-2371.2	837.8	-6.6	-15.8	17.0
		-607.7	100.1	109	290	-5595.3	345.2	1	8					
37TH	137.28									-1763.5	737.7	-3.8	-8.3	11.8
		-664.9	212.3	109	290	-6121.7	731.8	2	7					
38TH	140.94									-1098.6	525.4	-1.4	-3.0	6.9
		-1098.6	525.4	162	433	-6777.7	1213.5	2	5					
TOP	146.44									0.0	0.0	0.0	0.0	0.0

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TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER ONE : BASED ON AEROELASTIC DATA
WIND DIRECTION 50 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN) X	FORCE (KN) Y	AREA (SQ M) X	AREA (SQ M) Y	PRESSURE (PA) X	PRESSURE (PA) Y	ECCEN (M) X	ECCEN (M) Y	SHEAR (KN) X	SHEAR (KN) Y	MOMENT (MN-M) X	MOMENT (MN-M) Y	MOMENT (MN-M) Z
GRND	0.00	-169.1	-252.3	163	436	-1036.5	-579.0	-26	17	-739.8	-9609.8	691.3	-10.1	183.2
1ST	5.50	-119.6	-165.9	109	290	-1101.1	-572.0	-26	19	-570.7	-9357.5	639.1	-6.5	173.8
2ND	9.16	-150.2	-148.6	109	290	-1383.1	-512.2	-24	24	-451.1	-9191.5	605.2	-4.7	167.2
3RD	12.82	-146.1	-155.4	109	290	-1345.5	-535.6	-24	22	-300.9	-9042.9	571.8	-3.3	160.1
4TH	16.48	-125.1	-176.4	109	290	-1151.6	-608.0	-24	17	-154.7	-8887.6	539.0	-2.5	153.2
5TH	20.14	-104.0	-197.4	109	290	-957.7	-680.4	-23	12	-29.7	-8711.2	506.8	-2.1	146.8
6TH	23.80	-85.4	-215.0	109	290	-786.4	-741.0	-22	9	74.3	-8513.8	475.3	-2.2	141.0
7TH	27.46	-68.3	-228.1	109	290	-629.1	-786.2	-20	6	159.8	-8298.8	444.5	-2.6	135.6
8TH	31.12	-51.3	-241.2	109	290	-471.9	-831.4	-18	4	228.1	-8070.8	414.5	-3.3	130.6
9TH	34.78	-34.2	-254.3	109	290	-314.6	-876.6	-16	2	279.3	-7829.6	385.4	-4.3	126.0
10TH	38.44	-17.1	-267.4	109	290	-157.3	-921.7	-14	1	313.5	-7575.3	357.2	-5.3	121.8
11TH	42.11	-.0	-280.5	109	290	-.1	-966.9	-12	0	330.6	-7307.9	330.0	-6.5	118.0
12TH	45.77	11.1	-289.1	109	290	102.2	-996.6	-11	-0	330.6	-7027.4	303.7	-7.7	114.5
13TH	49.43	16.5	-292.0	109	290	152.1	-1006.6	-11	-1	319.5	-6738.3	278.5	-8.9	111.3
14TH	53.09	21.9	-294.9	109	290	202.0	-1016.7	-10	-1	303.0	-6446.3	254.4	-10.1	108.1
15TH	56.75	27.4	-297.9	109	290	252.0	-1026.7	-10	-1	281.0	-6151.3	231.4	-11.1	105.1
16TH	60.41	32.8	-300.8	109	290	301.9	-1036.8	-9	-1	253.7	-5853.5	209.4	-12.1	102.2
17TH	64.07	38.2	-303.7	109	290	351.8	-1046.8	-9	-1	220.9	-5552.7	188.5	-13.0	99.4
18TH	67.73	41.7	-305.3	109	290	383.8	-1052.4	-8	-1	182.7	-5249.0	168.7	-13.7	96.8
19TH	71.39	42.3	-304.8	109	290	389.6	-1050.7	-9	-1	141.0	-4943.7	150.1	-14.3	94.2
20TH	75.05	42.9	-304.3	109	290	395.4	-1049.0	-9	-1	98.7	-4638.9	132.5	-14.8	91.5
21ST	78.71	43.6	-303.8	109	290	401.2	-1047.3	-9	-1	55.7	-4334.6	116.1	-15.0	88.8
22ND	82.37	44.2	-303.3	109	290	407.0	-1045.6	-9	-1	12.2	-4030.8	100.8	-15.2	86.1
23RD	86.03	44.8	-302.8	109	290	412.7	-1043.9	-9	-1	-32.0	-3727.4	86.6	-15.1	83.3
24TH	89.69	44.9	-302.0	109	290	413.2	-1040.9	-10	-1	-76.9	-3424.6	73.5	-14.9	80.5

TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER ONE : BASED ON AEROELASTIC DATA

WIND DIRECTION 50 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN) X	FORCE (KN) Y	AREA (SQ M) X	AREA (SQ M) Y	PRESSURE (PA) X	PRESSURE (PA) Y	ECCEN (M) X	ECCEN (M) Y	SHEAR (KN) X	SHEAR (KN) Y	MOMENT (MN-M) X	MOMENT (MN-M) Y	MOMENT (MN-M) Z
25TH	93.35									-121.8	-3122.6	61.5	-14.6	77.5
		43.6	-301.1	109	290	401.4	-1038.1	-11	-2					
26TH	97.01									-165.4	-2821.5	50.7	-14.6	74.1
		42.3	-300.3	109	290	389.6	-1035.2	-13	-2					
27TH	100.68									-207.7	-2521.2	40.9	-13.4	70.2
		41.0	-299.5	109	290	377.8	-1032.4	-14	-2					
28TH	104.34									-248.7	-2221.7	32.2	-12.5	65.8
		39.7	-298.7	109	290	365.9	-1029.5	-16	-2					
29TH	108.00									-288.4	-1923.0	24.6	-11.5	60.9
		38.5	-297.8	109	290	354.1	-1026.7	-18	-2					
30TH	111.66									-326.9	-1625.1	18.1	-10.4	55.6
		34.7	-295.5	109	290	319.1	-1018.5	-20	-2					
31ST	115.32									-361.6	-1329.7	12.7	-9.1	49.6
		20.4	-276.0	109	290	187.7	-951.5	-23	-2					
32ND	118.98									-382.0	-1053.7	8.3	-7.8	43.2
		6.1	-255.6	109	290	56.4	-881.2	-26	-1					
33RD	122.64									-388.1	-798.0	5.0	-6.4	36.6
		-8.1	-235.2	109	290	-74.9	-810.8	-30	1					
34TH	126.30									-379.9	-562.8	2.5	-5.0	29.6
		-22.4	-214.8	109	290	-206.3	-740.5	-33	3					
35TH	129.96									-357.5	-348.0	.8	-3.6	22.4
		-36.7	-194.4	109	290	-337.6	-670.2	-37	7					
36TH	133.62									-320.9	-153.6	-.1	-2.4	14.8
		-56.2	-164.8	109	290	-517.4	-567.9	-41	14					
37TH	137.28									-264.7	11.2	-.4	-1.3	7.4
		-84.8	-67.8	109	290	-781.0	-233.8	-28	35					
38TH	140.94									-179.9	79.0	-.2	-.5	2.5
		-179.9	79.0	162	433	-1109.6	182.6	5	11					
TOP	146.44									0.0	0.0	0.0	0.0	0.0

TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER ONE : BASED ON AEROELASTIC DATA
WIND DIRECTION 60 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN) X	FORCE (KN) Y	AREA (SQ M) X	AREA (SQ M) Y	PRESSURE (PA) X	PRESSURE (PA) Y	ECCEN (M) X	ECCEN (M) Y	SHEAR (KN) X	SHEAR (KN) Y	MOMENT (MN-M) X	MOMENT (MN-M) Y	MOMENT (MN-M) Z
GRND	0.00	-125.7	-469.6	163	436	-770.7	-1077.6	-2	0	833.2	-14182.4	854.4	93.3	-74.3
1ST	5.50	-98.8	-304.4	109	290	-909.5	-1049.4	-3	1	958.9	-13712.8	777.7	88.4	-75.2
2ND	9.16	-132.1	-283.4	109	290	-1216.5	-976.8	-5	2	1057.7	-13408.4	728.1	84.7	-76.3
3RD	12.82	-120.7	-300.3	109	290	-1111.8	-1035.3	-4	2	1189.8	-13125.6	679.5	80.6	-77.8
4TH	16.48	-87.5	-343.9	109	290	-805.6	-1185.3	-3	1	1310.6	-12824.7	632.0	76.0	-79.4
5TH	20.14	-54.2	-387.4	109	290	-499.5	-1335.3	-2	0	1398.1	-12480.8	585.7	71.1	-80.6
6TH	23.80	-29.9	-418.2	109	290	-275.2	-1441.7	-1	0	1452.3	-12093.5	540.7	65.8	-81.4
7TH	27.46	-11.0	-432.5	109	290	-101.3	-1490.9	-1	0	1482.2	-11675.2	497.2	60.5	-82.1
8TH	31.12	7.9	-446.8	109	290	72.5	-1540.1	-0	-0	1493.2	-11242.7	455.3	55.0	-82.4
9TH	34.78	26.8	-461.1	109	290	246.4	-1589.3	0	0	1485.3	-10795.9	414.9	49.6	-82.6
10TH	38.44	45.6	-475.3	109	290	420.2	-1638.5	1	0	1458.6	-10334.8	376.3	44.2	-82.4
11TH	42.11	64.5	-489.6	109	290	594.1	-1687.7	1	0	1412.9	-9859.5	339.3	38.9	-82.1
12TH	45.77	73.8	-497.6	109	290	679.8	-1715.4	1	0	1348.4	-9369.9	304.1	33.9	-81.5
13TH	49.43	74.0	-501.3	109	290	681.7	-1728.0	1	0	1274.6	-8872.2	270.7	29.1	-80.8
14TH	53.09	74.3	-504.9	109	290	683.6	-1740.5	2	0	1200.5	-8370.9	239.1	24.5	-80.0
15TH	56.75	74.5	-508.6	109	290	685.6	-1753.1	2	0	1126.3	-7866.0	209.4	20.3	-79.2
16TH	60.41	74.7	-512.2	109	290	687.5	-1765.7	2	0	1051.8	-7357.4	181.6	16.3	-78.4
17TH	64.07	74.9	-515.9	109	290	689.4	-1778.3	2	0	977.2	-6845.2	155.6	12.6	-77.4
18TH	67.73	75.9	-518.7	109	290	699.1	-1787.8	2	0	902.3	-6329.3	131.5	9.1	-76.4
19TH	71.39	78.2	-511.4	109	290	720.4	-1762.7	2	0	826.4	-5810.6	109.2	6.0	-75.4
20TH	75.05	80.5	-504.1	109	290	741.6	-1737.6	3	0	748.1	-5299.3	88.9	3.1	-74.2
21ST	78.71	82.8	-496.8	109	290	762.8	-1712.4	3	1	667.6	-4795.2	70.4	.5	-72.8
22ND	82.37	85.2	-489.5	109	290	784.0	-1687.3	3	1	584.7	-4298.4	53.8	-1.8	-71.2
23RD	86.03	87.5	-482.2	109	290	805.2	-1662.2	4	1	499.6	-3808.9	38.9	-3.8	-69.5
24TH	89.69	89.0	-474.2	109	290	819.1	-1634.7	4	1	412.1	-3326.7	25.9	-5.4	-67.7

TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER ONE : BASED ON AEROELASTIC DATA

WIND DIRECTION 60 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN) X	FORCE (KN) Y	AREA (SQ M) X	AREA (SQ M) Y	PRESSURE (PA) X	PRESSURE (PA) Y	ECCEN (M) X	ECCEN (M) Y	SHEAR (KN) X	SHEAR (KN) Y	MOMENT (MN-M) X	MOMENT (MN-M) Y	MOMENT (MN-M) Z
25TH	93.35	88.6	-465.1	109	290	815.9	-1603.2	5	1	323.1	-2852.5	14.6	-6.8	-65.7
26TH	97.01	88.3	-455.9	109	290	812.8	-1571.6	5	1	234.5	-2387.4	5.8	-7.8	-63.5
27TH	100.68	87.9	-446.8	109	290	809.6	-1540.1	6	1	146.2	-1931.5	-2.9	-8.5	-61.0
28TH	104.34	87.6	-437.6	109	290	806.4	-1508.5	6	1	58.3	-1484.7	-9.2	-8.9	-58.4
29TH	108.00	87.2	-428.5	109	290	803.2	-1476.9	7	1	-29.3	-1047.1	-13.8	-8.9	-55.5
30TH	111.66	83.2	-416.7	109	290	766.1	-1436.5	8	2	-116.5	-618.6	-16.9	-8.7	-52.4
31ST	115.32	63.9	-358.3	109	290	588.6	-1235.2	10	2	-199.7	-201.9	-18.4	-8.1	-49.1
32ND	118.98	44.6	-296.7	109	290	411.0	-1022.6	13	2	-263.6	156.4	-18.4	-7.2	-45.5
33RD	122.64	25.4	-235.0	109	290	233.5	-810.0	18	2	-308.3	453.1	-17.3	-6.2	-41.6
34TH	126.30	6.1	-173.3	109	290	55.9	-597.4	27	1	-333.6	688.1	-15.2	-5.0	-37.2
35TH	129.96	-13.2	-111.7	109	290	-121.6	-384.9	45	-5	-339.7	861.4	-12.4	-3.8	-32.5
36TH	133.62	-40.9	-29.6	109	290	-376.4	-102.1	65	-90	-326.5	973.0	-9.0	-2.6	-27.4
37TH	137.28	-83.1	217.7	109	290	-765.1	750.5	-30	-11	-285.6	1002.7	-5.4	-1.5	-21.7
38TH	140.94	-202.5	784.9	162	433	-1249.4	1813.1	-17	-4	-202.5	784.9	-2.2	-.6	-14.3
TOP	146.44									0.0	0.0	0.0	0.0	0.0

TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER ONE : BASED ON AEROELASTIC DATA
WIND DIRECTION 70 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN) X	FORCE (KN) Y	AREA (SQ M) X	AREA (SQ M) Y	PRESSURE (PA) X	PRESSURE (PA) Y	ECCEN (M) X	ECCEN (M) Y	SHEAR (KN) X	SHEAR (KN) Y	MOMENT (MN-M) X	MOMENT (MN-M) Y	MOMENT (MN-M) Z
GRND	0.00									-6046.2	6161.6	-606.0	-435.3	-99.4
		-170.1	95.1	163	436	-1042.9	218.3	-6	-10					
1ST	5.50									-5876.1	6066.5	-572.4	-402.6	-97.2
		-135.7	83.3	109	290	-1249.1	287.0	-5	-8					
2ND	9.16									-5740.4	5983.2	-550.4	-381.3	-95.7
		-152.6	98.6	109	290	-1404.8	339.7	-5	-7					
3RD	12.82									-5587.9	5884.7	-528.6	-360.6	-94.1
		-161.8	104.4	109	290	-1490.1	360.0	-5	-7					
4TH	16.48									-5426.0	5780.2	-507.3	-340.4	-92.4
		-167.4	101.1	109	290	-1541.1	348.5	-4	-7					
5TH	20.14									-5258.6	5679.1	-486.3	-320.8	-90.7
		-172.9	97.8	109	290	-1592.0	337.0	-4	-8					
6TH	23.80									-5085.7	5581.4	-465.7	-301.9	-89.0
		-174.0	94.2	109	290	-1601.7	324.7	-4	-8					
7TH	27.46									-4911.8	5487.2	-445.4	-283.6	-87.2
		-172.2	94.0	109	290	-1585.9	324.1	-5	-8					
8TH	31.12									-4739.5	5393.2	-425.5	-265.9	-85.3
		-170.5	93.8	109	290	-1570.1	323.4	-5	-9					
9TH	34.78									-4569.0	5299.3	-406.0	-248.9	-83.3
		-168.8	93.6	109	290	-1554.3	322.8	-5	-9					
10TH	38.44									-4400.2	5205.7	-386.7	-232.5	-81.3
		-167.1	93.5	109	290	-1538.5	322.2	-5	-10					
11TH	42.11									-4233.1	5112.2	-367.8	-216.7	-79.2
		-165.4	93.3	109	290	-1522.7	321.5	-6	-10					
12TH	45.77									-4067.7	5018.9	-349.3	-201.5	-77.0
		-165.2	93.1	109	290	-1521.1	321.1	-6	-10					
13TH	49.43									-3902.5	4925.8	-331.1	-186.9	-74.8
		-166.5	91.1	109	290	-1532.9	314.1	-6	-10					
14TH	53.09									-3736.0	4834.7	-313.2	-172.9	-72.6
		-167.8	89.1	109	290	-1544.7	307.1	-6	-10					
15TH	56.75									-3568.2	4745.6	-295.7	-159.6	-70.3
		-169.1	87.1	109	290	-1556.5	300.1	-5	-10					
16TH	60.41									-3399.2	4658.5	-278.5	-146.8	-68.1
		-170.3	85.0	109	290	-1568.4	293.1	-5	-11					
17TH	64.07									-3228.8	4573.5	-261.6	-134.7	-65.8
		-171.6	83.0	109	290	-1580.2	286.1	-5	-11					
18TH	67.73									-3057.2	4490.5	-245.0	-123.2	-63.6
		-170.7	80.8	109	290	-1571.8	278.6	-5	-11					
19TH	71.39									-2886.5	4409.7	-228.7	-112.3	-61.3
		-166.6	84.1	109	290	-1533.9	289.7	-6	-11					
20TH	75.05									-2719.9	4325.6	-212.7	-102.0	-59.0
		-162.5	87.3	109	290	-1495.9	300.8	-6	-12					
21ST	78.71									-2557.4	4238.3	-197.0	-92.4	-56.5
		-158.4	90.5	109	290	-1458.0	312.0	-7	-12					
22ND	82.37									-2399.0	4147.8	-181.7	-83.3	-54.0
		-154.2	93.7	109	290	-1420.1	323.1	-8	-12					
23RD	86.03									-2244.8	4054.1	-166.7	-74.8	-51.3
		-150.1	97.0	109	290	-1382.2	334.2	-8	-13					
24TH	89.69									-2094.7	3957.2	-152.0	-66.9	-48.6
		-144.0	99.0	109	290	-1326.1	341.2	-9	-13					

TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER ONE : BASED ON AEROELASTIC DATA

WIND DIRECTION 70 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN) X	FORCE (KN) Y	AREA (SQ M) X	AREA (SQ M) Y	PRESSURE (PA) X	PRESSURE (PA) Y	ECCEN (M) X	ECCEN (M) Y	SHEAR (KN) X	SHEAR (KN) Y	MOMENT (MN-M) X	MOMENT (MN-M) Y	MOMENT (MN-M) Z
25TH	93.35									-1950.6	3858.2	-137.7	-59.5	-45.8
		-133.4	105.0	109	290	-1227.9	362.0	-10	-13					
26TH	97.01									-1817.3	3753.2	-123.8	-52.6	-43.0
		-122.7	111.1	109	290	-1129.6	382.9	-12	-13					
27TH	100.68									-1694.6	3642.1	-110.2	-46.1	-40.1
		-112.0	117.1	109	290	-1031.4	403.7	-13	-12					
28TH	104.34									-1582.6	3525.0	-97.1	-40.1	-37.2
		-101.3	123.2	109	290	-933.1	424.5	-14	-12					
29TH	108.00									-1481.2	3401.8	-84.4	-34.5	-34.3
		-90.7	129.2	109	290	-834.9	445.4	-15	-11					
30TH	111.66									-1390.5	3272.6	-72.2	-29.3	-31.3
		-84.0	137.9	109	290	-773.3	475.2	-16	-10					
31ST	115.32									-1306.6	3134.8	-60.5	-24.3	-28.3
		-93.8	175.4	109	290	-863.4	604.6	-14	-7					
32ND	118.98									-1212.8	2959.4	-49.3	-19.7	-25.2
		-103.6	214.6	109	290	-953.6	739.6	-12	-6					
33RD	122.64									-1109.2	2744.8	-38.9	-15.5	-22.1
		-113.4	253.7	109	290	-1043.8	874.6	-11	-5					
34TH	126.30									-995.8	2491.0	-29.3	-11.6	-18.8
		-123.2	292.9	109	290	-1133.9	1009.6	-10	-4					
35TH	129.96									-872.7	2198.1	-20.7	-8.2	-15.5
		-133.0	332.1	109	290	-1224.1	1144.7	-9	-4					
36TH	133.62									-739.7	1866.1	-13.3	-5.2	-12.2
		-155.7	385.4	109	290	-1433.1	1328.4	-8	-3					
37TH	137.28									-584.1	1480.7	-7.2	-2.8	-8.7
		-200.7	504.9	109	290	-1848.1	1740.4	-6	-2					
38TH	140.94									-383.4	975.8	-2.7	-1.1	-5.2
		-383.4	975.8	162	433	-2365.1	2253.9	-5	-2					
TOP	146.44									0.0	0.0	0.0	0.0	0.0

TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER ONE : BASED ON AEROELASTIC DATA
WIND DIRECTION 80 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN) X	FORCE (KN) Y	AREA (SQ M) X	AREA (SQ M) Y	PRESSURE (PA) X	PRESSURE (PA) Y	ECCEN (M) X	ECCEN (M) Y	SHEAR (KN) X	SHEAR (KN) Y	MOMENT (MN-M) X	MOMENT (MN-M) Y	MOMENT (MN-M) Z
GRND	0.00									-2914.5	8356.6	-635.7	-203.8	-133.9
		-51.6	209.1	163	436	-316.3	479.9	-18	-5					
1ST	5.50									-2862.9	8147.5	-590.3	-187.9	-129.8
		-46.6	161.8	109	290	-429.3	557.7	-16	-5					
2ND	9.16									-2816.3	7985.7	-560.8	-177.5	-126.9
		-57.5	180.6	109	290	-529.4	622.6	-15	-5					
3RD	12.82									-2758.8	7805.1	-531.9	-167.3	-123.9
		-65.2	192.8	109	290	-600.4	664.7	-14	-5					
4TH	16.48									-2693.6	7612.2	-503.7	-157.3	-120.8
		-71.4	197.4	109	290	-657.0	680.3	-14	-5					
5TH	20.14									-2622.2	7414.9	-476.2	-147.6	-117.7
		-77.5	201.9	109	290	-713.7	695.9	-14	-5					
6TH	23.80									-2544.7	7213.0	-449.4	-138.1	-114.6
		-81.2	204.6	109	290	-747.3	705.3	-13	-5					
7TH	27.46									-2463.6	7008.4	-423.4	-129.0	-111.4
		-83.3	205.4	109	290	-766.7	707.9	-13	-5					
8TH	31.12									-2380.3	6803.0	-398.1	-120.1	-108.2
		-85.4	206.1	109	290	-786.1	710.5	-13	-5					
9TH	34.78									-2294.9	6596.9	-373.6	-111.5	-105.0
		-87.5	206.9	109	290	-805.5	713.0	-13	-6					
10TH	38.44									-2207.4	6390.1	-349.8	-103.3	-101.8
		-89.6	207.6	109	290	-824.9	715.6	-13	-6					
11TH	42.11									-2117.8	6182.5	-326.8	-95.4	-98.6
		-91.7	208.3	109	290	-844.3	718.2	-13	-6					
12TH	45.77									-2026.1	5974.1	-304.5	-87.8	-95.4
		-93.0	209.1	109	290	-856.0	720.6	-13	-6					
13TH	49.43									-1933.2	5765.1	-283.0	-80.5	-92.2
		-93.4	211.5	109	290	-860.3	729.2	-13	-6					
14TH	53.09									-1839.7	5553.5	-262.3	-73.6	-88.9
		-93.9	214.0	109	290	-864.6	737.8	-13	-6					
15TH	56.75									-1745.8	5339.5	-242.4	-67.1	-85.6
		-94.4	216.5	109	290	-868.9	746.3	-13	-6					
16TH	60.41									-1651.4	5123.0	-223.2	-60.9	-82.2
		-94.8	219.0	109	290	-873.2	754.9	-13	-6					
17TH	64.07									-1556.6	4904.0	-204.9	-55.0	-78.8
		-95.3	221.5	109	290	-877.5	763.5	-13	-6					
18TH	67.73									-1461.3	4682.5	-187.3	-49.5	-75.4
		-95.1	223.0	109	290	-875.3	768.9	-13	-6					
19TH	71.39									-1366.2	4459.4	-170.6	-44.3	-71.9
		-93.8	220.9	109	290	-863.3	761.3	-13	-6					
20TH	75.05									-1272.5	4238.6	-154.7	-39.5	-68.4
		-92.5	218.7	109	290	-851.4	753.8	-14	-6					
21ST	78.71									-1180.0	4019.9	-139.6	-35.0	-64.9
		-91.2	216.5	109	290	-839.5	746.2	-14	-6					
22ND	82.37									-1088.8	3803.4	-125.2	-30.8	-61.4
		-89.9	214.3	109	290	-827.5	738.7	-14	-6					
23RD	86.03									-998.9	3589.1	-111.7	-27.0	-57.9
		-88.6	212.1	109	290	-815.6	731.1	-14	-6					
24TH	89.69									-910.3	3377.1	-99.0	-23.5	-54.4
		-85.9	209.0	109	290	-790.9	720.4	-14	-6					

TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER ONE : BASED ON AEROELASTIC DATA
WIND DIRECTION 80 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN) X	FORCE (KN) Y	AREA (SQ M) X	AREA (SQ M) Y	PRESSURE (PA) X	PRESSURE (PA) Y	ECCEN (M) X	ECCEN (M) Y	SHEAR (KN) X	SHEAR (KN) Y	MOMENT (MN-M) X	MOMENT (MN-M) Y	MOMENT (MN-M) Z
25TH	93.35									-824.4	3168.1	-87.0	-20.3	-50.9
		-80.0	207.8	109	290	-736.5	716.4	-15	-6					
26TH	97.01									-744.5	2960.2	-75.8	-17.5	-47.4
		-74.1	206.7	109	290	-682.1	712.5	-15	-5					
27TH	100.68									-670.4	2753.5	-65.3	-14.9	-43.9
		-68.2	205.6	109	290	-627.7	708.6	-15	-5					
28TH	104.34									-602.2	2548.0	-55.6	-12.5	-40.5
		-62.3	204.4	109	290	-573.3	704.7	-15	-5					
29TH	108.00									-539.9	2343.5	-46.7	-10.4	-37.0
		-56.4	203.3	109	290	-518.9	700.7	-16	-4					
30TH	111.66									-483.5	2140.3	-38.4	-8.6	-33.6
		-51.4	203.0	109	290	-473.6	699.6	-16	-4					
31ST	115.32									-432.1	1937.3	-31.0	-6.9	-30.1
		-50.6	208.5	109	290	-465.7	718.6	-16	-4					
32ND	118.98									-381.5	1728.8	-24.3	-5.4	-26.6
		-49.7	214.2	109	290	-457.8	738.4	-16	-4					
33RD	122.64									-331.8	1514.6	-18.3	-4.1	-23.1
		-48.9	219.9	109	290	-449.9	758.2	-15	-3					
34TH	126.30									-282.9	1294.7	-13.2	-3.0	-19.5
		-48.0	225.7	109	290	-442.0	777.9	-15	-3					
35TH	129.96									-234.9	1069.0	-8.9	-2.0	-15.9
		-47.2	231.4	109	290	-434.1	797.7	-15	-3					
36TH	133.62									-187.8	837.6	-5.4	-1.3	-12.3
		-48.2	238.1	109	290	-444.1	820.6	-15	-3					
37TH	137.28									-139.5	599.5	-2.7	-.7	-8.6
		-52.7	239.5	109	290	-485.0	825.5	-14	-3					
38TH	140.94									-86.9	360.0	1.0	-.2	-5.0
		-86.9	360.0	162	433	-535.9	831.6	-13	-3					
TOP	146.44									0.0	0.0	0.0	0.0	0.0

TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER ONE : BASED ON AEROELASTIC DATA
WIND DIRECTION 90 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN) X	FORCE (KN) Y	AREA (SQ M) X	AREA (SQ M) Y	PRESSURE (PA) X	PRESSURE (PA) Y	ECCEN (M) X	ECCEN (M) Y	SHEAR (KN) X	SHEAR (KN) Y	MOMENT (MN-M) X	MOMENT (MN-M) Y	MOMENT (MN-M) Z
GRND	0.00									-4135.0	9916.5	-761.8	-310.1	-163.6
		-96.8	268.8	163	436	-593.2	616.8	-17	-6					
1ST	5.50									-4038.2	9647.7	-708.1	-287.6	-158.5
		-72.4	195.2	109	290	-666.6	673.0	-15	-6					
2ND	9.16									-3965.8	9452.4	-673.1	-273.0	-155.1
		-78.9	208.4	109	290	-726.4	718.3	-15	-6					
3RD	12.82									-3886.9	9244.1	-638.9	-258.6	-151.7
		-82.3	215.3	109	290	-758.0	742.3	-14	-5					
4TH	16.48									-3804.6	9028.7	-605.4	-244.5	-148.2
		-84.3	215.5	109	290	-775.9	742.8	-14	-6					
5TH	20.14									-3720.3	8813.2	-572.8	-230.7	-144.6
		-86.2	215.6	109	290	-793.7	743.3	-14	-6					
6TH	23.80									-3634.1	8597.6	-540.9	-217.3	-141.0
		-90.0	218.2	109	290	-828.5	752.3	-14	-6					
7TH	27.46									-3544.2	8379.4	-509.8	-204.1	-137.4
		-94.9	222.8	109	290	-873.7	768.0	-14	-6					
8TH	31.12									-3449.3	8156.6	-479.6	-191.3	-133.7
		-99.8	227.4	109	290	-919.0	783.7	-14	-6					
9TH	34.78									-3349.4	7929.2	-450.1	-178.9	-130.0
		-104.7	231.9	109	290	-964.2	799.5	-13	-6					
10TH	38.44									-3244.7	7697.3	-421.5	-166.8	-126.2
		-109.6	236.5	109	290	-1009.4	815.2	-13	-6					
11TH	42.11									-3135.1	7460.8	-393.8	-155.1	-122.4
		-114.5	241.1	109	290	-1054.7	830.9	-13	-6					
12TH	45.77									-3020.5	7219.7	-366.9	-143.9	-118.6
		-117.1	243.9	109	290	-1078.1	840.7	-13	-6					
13TH	49.43									-2903.4	6975.8	-340.9	-133.0	-114.7
		-117.4	246.6	109	290	-1080.8	850.0	-13	-6					
14TH	53.09									-2786.1	6729.2	-315.8	-122.6	-110.8
		-117.7	249.3	109	290	-1083.5	859.4	-13	-6					
15TH	56.75									-2668.4	6479.9	-291.7	-112.6	-106.9
		-118.0	252.0	109	290	-1086.2	868.7	-13	-6					
16TH	60.41									-2550.4	6227.9	-268.4	-103.1	-102.9
		-118.3	254.7	109	290	-1088.9	878.0	-13	-6					
17TH	64.07									-2432.1	5973.2	-246.1	-94.0	-99.0
		-118.6	257.4	109	290	-1091.6	887.4	-13	-6					
18TH	67.73									-2313.6	5715.8	-224.7	-85.3	-95.0
		-118.9	260.0	109	290	-1094.4	896.3	-13	-6					
19TH	71.39									-2194.7	5455.7	-204.2	-77.0	-91.1
		-119.2	261.2	109	290	-1097 5	900.3	-13	-6					
20TH	75.05									-2075.5	5194.6	-184.7	-69.2	-87.0
		-119.5	262.3	109	290	-1100.5	904.3	-13	-6					
21ST	78.71									-1956.0	4932.2	-166.2	-61.8	-82.9
		-119.9	263.5	109	290	-1103 6	908.2	-13	-6					
22ND	82.37									-1836.1	4668.7	-148.6	-54.9	-78.8
		-120.2	264.6	109	290	-1106.6	912.2	-13	-6					
23RD	86.03									-1715.9	4404.1	-132.0	-48.4	-74.7
		-120.5	265.8	109	290	-1109.7	916.2	-13	-6					
24TH	89.69									-1595.4	4138.3	-116.4	-42.3	-70.5
		-120.1	266.4	109	290	-1105.8	918.4	-13	-6					

TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER ONE : BASED ON AEROELASTIC DATA
WIND DIRECTION 90 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN) X	FORCE (KN) Y	AREA (SQ M) X	AREA (SQ M) Y	PRESSURE (PA) X	PRESSURE (PA) Y	ECCEN (M) X	ECCEN (M) Y	SHEAR (KN) X	SHEAR (KN) Y	MOMENT (MN-M) X	MOMENT (MN-M) Y	MOMENT (MN-M) Z
25TH	93.35									-1475.3	3871.9	-101.7	-36.7	-66.3
		-117.9	267.0	109	290	-1085.8	920.2	-14	-6					
26TH	97.01									-1357.4	3604.9	-88.0	-31.5	-61.9
		-115.8	267.5	109	290	-1065.8	922.0	-14	-6					
27TH	100.68									-1241.6	3337.5	-75.3	-26.8	-57.6
		-113.6	268.0	109	290	-1045.8	923.8	-14	-6					
28TH	104.34									-1128.0	3069.4	-63.6	-22.4	-53.1
		-111.4	268.5	109	290	-1025.8	925.6	-14	-6					
29TH	108.00									-1016.6	2800.9	-52.9	-18.5	-48.6
		-109.2	269.1	109	290	-1005.9	927.4	-15	-6					
30TH	111.66									-907.4	2531.9	-43.1	-15.0	-44.0
		-107.0	269.6	109	290	-985.5	929.4	-15	-6					
31ST	115.32									-800.3	2262.3	-34.3	-11.9	-39.3
		-104.7	271.4	109	290	-963.8	935.6	-15	-6					
32ND	118.98									-695.6	1990.8	-26.5	-9.1	-34.6
		-102.3	273.3	109	290	-942.1	942.1	-15	-6					
33RD	122.64									-593.3	1717.5	-19.8	-6.8	-29.8
		-100.0	275.2	109	290	-920.4	948.6	-15	-6					
34TH	126.30									-493.4	1442.3	-14.0	-4.8	-25.0
		-97.6	277.1	109	290	-898.7	955.2	-15	-5					
35TH	129.96									-395.7	1165.2	-9.2	-3.1	-20.2
		-95.3	279.0	109	290	-877.0	961.7	-16	-5					
36TH	133.62									-300.5	886.2	-5.4	-1.9	-15.4
		-92.0	278.8	109	290	-847.1	961.0	-16	-5					
37TH	137.28									-208.5	607.4	-2.7	-.9	-10.5
		-87.2	258.7	109	290	-803.0	891.8	-16	-5					
38TH	140.94									-121.3	348.7	-1.0	-.3	-6.0
		-121.3	348.7	162	433	-748.1	805.5	-15	-5					
TOP	146.44									0.0	0.0	0.0	0.0	0.0

TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER ONE : BASED ON AEROELASTIC DATA
WIND DIRECTION 100 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN) X	FORCE (KN) Y	AREA (SQ M) X	AREA (SQ M) Y	PRESSURE (PA) X	PRESSURE (PA) Y	ECCEN (M) X	ECCEN (M) Y	SHEAR (KN) X	SHEAR (KN) Y	MOMENT (MN-M) X	MOMENT (MN-M) Y	MOMENT (MN-M) Z
GRND	0.00	-89.8	278.3	163	436	-550.4	638.6	-15	-5	-6311.1	10814.0	-832.3	-483.1	-177.2
1ST	5.50	-77.4	200.3	109	290	-713.0	690.4	-14	-6	-6221.3	10535.7	-773.6	-458.6	-172.5
2ND	9.16	-95.8	213.9	109	290	-882.1	737.5	-13	-6	-6143.9	10335.4	-735.4	-436.0	-169.2
3RD	12.82	-102.5	222.1	109	290	-943.5	765.7	-13	-6	-6048.1	10121.5	-698.0	-413.7	-165.8
4TH	16.48	-103.4	226.7	109	290	-952.1	781.4	-13	-6	-5945.6	9899.4	-661.3	-391.7	-162.2
5TH	20.14	-104.3	231.2	109	290	-960.7	797.1	-13	-6	-5842.2	9672.7	-625.5	-370.2	-158.6
6TH	23.80	-110.4	236.7	109	290	-1016.3	816.0	-13	-6	-5737.9	9441.4	-590.5	-349.0	-154.9
7TH	27.46	-119.6	242.6	109	290	-1100.8	836.3	-12	-6	-5627.5	9204.7	-556.4	-328.2	-151.2
8TH	31.12	-128.7	248.5	109	290	-1185.3	856.6	-12	-6	-5507.9	8962.1	-523.1	-307.8	-147.5
9TH	34.78	-137.9	254.4	109	290	-1269.8	876.9	-12	-6	-5379.2	8713.6	-490.8	-287.8	-143.7
10TH	38.44	-147.1	260.3	109	290	-1354.4	897.1	-11	-6	-5241.3	8459.2	-459.4	-268.4	-139.8
11TH	42.11	-156.3	266.1	109	290	-1438.9	917.4	-11	-6	-5094.2	8199.0	-428.9	-249.5	-136.0
12TH	45.77	-164.0	271.2	109	290	-1509.6	934.9	-11	-6	-4937.9	7932.8	-399.3	-231.1	-132.1
13TH	49.43	-170.2	273.9	109	290	-1567.1	944.1	-11	-7	-4773.9	7661.6	-370.8	-213.4	-128.1
14TH	53.09	-176.5	276.5	109	290	-1624.7	953.3	-11	-7	-4603.7	7387.7	-343.2	-196.2	-124.1
15TH	56.75	-182.7	279.2	109	290	-1682.2	962.5	-10	-7	-4427.3	7111.2	-316.7	-179.7	-120.0
16TH	60.41	-189.0	281.9	109	290	-1739.7	971.6	-10	-7	-4244.6	6832.0	-291.2	-163.8	-115.8
17TH	64.07	-195.2	284.5	109	290	-1797.2	980.8	-10	-7	-4055.6	6550.1	-266.7	-148.6	-111.6
18TH	67.73	-200.5	286.8	109	290	-1846.3	988.7	-10	-7	-3860.4	6265.5	-243.2	-134.1	-107.3
19TH	71.39	-204.5	289.1	109	290	-1883.1	996.5	-10	-7	-3659.9	5978.7	-220.8	-120.3	-102.9
20TH	75.05	-208.5	291.3	109	290	-1919.8	1004.2	-10	-7	-3455.4	5689.6	-199.5	-107.3	-98.4
21ST	78.71	-212.5	293.6	109	290	-1956.6	1011.9	-11	-8	-3246.9	5398.3	-179.2	-95.1	-93.8
22ND	82.37	-216.5	295.8	109	290	-1993.3	1019.7	-11	-8	-3034.3	5104.7	-160.0	-83.6	-89.1
23RD	86.03	-220.5	298.1	109	290	-2030.1	1027.4	-11	-8	-2817.8	4808.9	-141.8	-72.8	-84.3
24TH	89.69	-221.6	299.3	109	290	-2040.7	1031.6	-11	-8	-2597.4	4510.9	-124.8	-62.9	-79.3

TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER ONE : BASED ON AEROELASTIC DATA
WIND DIRECTION 100 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN)		AREA (SQ M)		PRESSURE (PA)		ECCEN (M)		SHEAR (KN)		MOMENT (MN-M)		
		X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	Z
25TH	93.35									-2375.7	4211.6	-108.8	-53.8	-74.3
		-216.2	298.9	109	290	-1990.5	1030.3	-11	-8					
26TH	97.01									-2159.5	3912.7	-93.9	-45.5	-69.2
		-210.7	298.5	109	290	-1940.3	1028.9	-11	-8					
27TH	100.68									-1948.8	3614.2	-80.1	-38.0	-64.1
		-205.3	298.1	109	290	-1890.1	1027.6	-12	-8					
28TH	104.34									-1743.5	3316.1	-67.5	-31.3	-58.9
		-199.8	297.7	109	290	-1839.9	1026.3	-12	-8					
29TH	108.00									-1543.6	3018.4	-55.9	-25.2	-53.7
		-194.4	297.3	109	290	-1789.8	1025.0	-12	-8					
30TH	111.66									-1349.3	2721.0	-45.4	-19.9	-48.5
		-188.4	297.1	109	290	-1734.5	1024.1	-13	-8					
31ST	115.32									-1160.9	2423.9	-35.9	-15.3	-43.2
		-180.1	299.1	109	290	-1658.4	1031.1	-13	-8					
32ND	118.98									-980.7	2124.8	-27.6	-11.4	-37.9
		-171.9	301.3	109	290	-1582.3	1038.6	-13	-8					
33RD	122.64									-808.9	1823.5	-20.4	-8.2	-32.6
		-163.6	303.5	109	290	-1506.2	1046.0	-14	-7					
34TH	126.30									-645.3	1520.1	-14.3	-5.5	-27.2
		-155.3	305.6	109	290	-1430.1	1053.5	-14	-7					
35TH	129.96									-490.0	1214.4	-9.3	-3.4	-21.8
		-147.1	307.8	109	290	-1354.0	1061.0	-14	-7					
36TH	133.62									-342.9	906.6	-5.4	-1.9	-16.4
		-131.9	305.9	109	290	-1214.5	1054.6	-15	-6					
37TH	137.28									-211.0	600.7	-2.6	-.9	-11.0
		-104.9	268.8	109	290	-965.4	926.4	-16	-6					
38TH	140.94									-106.2	331.9	-.9	-.3	-6.2
		-106.2	331.9	162	433	-654.9	766.7	-17	-5					
TOP	146.44									0.0	0.0	0.0	0.0	0.0

TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER ONE : BASED ON AEROELASTIC DATA
WIND DIRECTION 110 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN) X	FORCE (KN) Y	AREA (SQ M) X	AREA (SQ M) Y	PRESSURE (PA) X	PRESSURE (PA) Y	ECCEN (M) X	ECCEN (M) Y	SHEAR (KN) X	SHEAR (KN) Y	MOMENT (MN-M) X	MOMENT (MN-M) Y	MOMENT (MN-M) Z
GRND	0.00									[illegible]	9035.5	-696.7	[illegible]	-158.0
		112.4	187.7	163	436	688.8	430.7	-19	11					
1ST	5.50									[illegible]	8847.8	-647.6	[illegible]	-153.2
		67.4	149.5	109	290	620.2	515.3	-18	8					
2ND	9.16									[illegible]	8698.3	-615.4	[illegible]	-150.0
		61.9	168.6	109	290	569.6	581.3	-17	6					
3RD	12.82									[illegible]	8529.7	-583.9	[illegible]	-146.8
		62.1	181.0	109	290	572.1	624.1	-16	6					
4TH	16.48									[illegible]	8348.7	-553.0	[illegible]	-143.5
		65.2	189.5	109	290	600.5	653.1	-15	5					
5TH	20.14									[illegible]	8159.2	-522.8	[illegible]	-140.2
		68.3	197.9	109	290	629.0	682.1	-15	5					
6TH	23.80									[illegible]	7961.3	-493.3	[illegible]	-137.0
		68.6	206.1	109	290	632.0	710.3	-14	5					
7TH	27.46									[illegible]	7755.3	-464.5	[illegible]	-133.7
		67.3	209.9	109	290	619.4	723.5	-14	5					
8TH	31.12									[illegible]	7545.4	-436.5	[illegible]	-130.4
		65.9	213.7	109	290	606.7	736.6	-14	4					
9TH	34.78									[illegible]	7331.7	-409.3	[illegible]	-127.1
		64.5	217.5	109	290	594.1	749.8	-14	4					
10TH	38.44									[illegible]	7114.2	-382.8	[illegible]	-123.9
		63.2	221.3	109	290	581.5	763.0	-14	4					
11TH	42.11									[illegible]	6892.8	-357.2	[illegible]	-120.6
		61.8	225.2	109	290	568.8	776.2	-14	4					
12TH	45.77									[illegible]	6667.7	-332.4	[illegible]	-117.3
		59.5	229.2	109	290	547.6	789.9	-14	4					
13TH	49.43									[illegible]	6438.5	-308.4	[illegible]	-114.0
		56.3	232.1	109	290	518.3	800.2	-14	3					
14TH	53.09									[illegible]	6206.3	-285.3	[illegible]	-110.5
		53.1	235.1	109	290	488.9	810.5	-15	3					
15TH	56.75									[illegible]	5971.2	-263.0	[illegible]	-106.9
		49.9	238.1	109	290	459.5	820.8	-15	3					
16TH	60.41									[illegible]	5733.1	-241.5	[illegible]	-103.2
		46.7	241.1	109	290	430.2	831.1	-15	3					
17TH	64.07									[illegible]	5492.0	-221.0	[illegible]	-99.3
		43.5	244.1	109	290	400.8	841.4	-16	3					
18TH	67.73									[illegible]	5247.9	-201.3	[illegible]	-95.3
		40.9	246.3	109	290	376.9	848.9	-16	3					
19TH	71.39									[illegible]	5001.7	-182.6	[illegible]	-91.2
		39.2	246.3	109	290	360.9	848.9	-17	3					
20TH	75.05									[illegible]	4755.4	-164.7	[illegible]	-86.9
		37.5	246.3	109	290	344.9	849.0	-17	3					
21ST	78.71									[illegible]	4509.1	-147.8	[illegible]	-82.6
		35.7	246.3	109	290	328.8	849.1	-18	3					
22ND	82.37									[illegible]	4262.8	-131.7	[illegible]	-78.2
		34.0	246.3	109	290	312.8	849.2	-18	2					
23RD	86.03									[illegible]	4016.4	-116.6	[illegible]	-73.7
		32.2	246.4	109	290	296.8	849.2	-18	2					
24TH	89.69									[illegible]	3770.0	-102.3	[illegible]	-69.0
		31.2	246.0	109	290	287.5	848.0	-19	2					

TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER ONE : BASED ON AEROELASTIC DATA
WIND DIRECTION 110 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN)		AREA (SQ M)		PRESSURE (PA)		ECCEN (M)		SHEAR (KN)		MOMENT (MN-M)		
		X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	Z
25TH	93.35									672.3	3524.0	-89.0	20.4	-64.3
		31.9	249.7	109	290	293.9	860.8	-19	2					
26TH	97.01									640.4	3274.3	-76.5	18.0	-59.5
		32.6	253.4	109	290	300.2	873.6	-19	2					
27TH	100.68									607.8	3020.9	-65.0	15.7	-54.7
		33.3	257.2	109	290	306.5	886.4	-19	2					
28TH	104.34									574.5	2763.7	-54.4	13.5	-49.8
		34.0	260.9	109	290	312.9	899.2	-19	2					
29TH	108.00									540.5	2502.9	-44.8	11.5	-44.8
		34.7	264.6	109	290	319.2	912.1	-19	2					
30TH	111.66									505.8	2238.3	-36.1	9.6	-39.6
		36.2	267.6	109	290	333.1	922.5	-19	3					
31ST	115.32									469.7	1970.7	-28.4	7.8	-34.7
		41.1	263.4	109	290	378.5	907.9	-18	3					
32ND	118.98									428.5	1707.3	-21.7	6.2	-29.7
		46.0	258.8	109	290	423.9	892.1	-18	3					
33RD	122.64									382.5	1448.5	-15.9	4.7	-24.9
		51.0	254.2	109	290	469.2	876.2	-18	4					
34TH	126.30									331.5	1194.3	-11.0	3.4	-20.2
		55.9	249.6	109	290	514.6	860.3	-18	4					
35TH	129.96									275.6	944.7	-7.1	2.3	-15.6
		60.8	245.0	109	290	560.0	844.5	-17	4					
36TH	133.62									214.8	699.7	-4.1	1.4	-11.1
		63.4	240.2	109	290	583.7	828.0	-17	4					
37TH	137.28									151.4	459.5	-2.0	.7	-6.8
		61.9	208.2	109	290	569.8	717.8	-15	4					
38TH	140.94									89.6	251.3	-.7	.2	-3.4
		89.6	251.3	162	433	552.5	580.4	-12	4					
TOP	146.44									0.0	0.0	0.0	0.0	0.0

TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER ONE : BASED ON AEROELASTIC DATA
WIND DIRECTION 120 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN)		AREA (SQ M)		PRESSURE (PA)		ECCEN (M)		SHEAR (KN)		MOMENT (MN-M)		
		X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	Z
GRND	0.00									3123.0	6530.0	-553.2	231.4	30.9
		95.5	9.4	163	436	585.6	21.7	-7	68					
1ST	5.50									3027.5	6520.5	-517.3	214.5	37.5
		66.4	44.4	109	290	611.7	153.0	-31	47					
2ND	9.16									2961.1	6476.1	-493.5	203.5	42.0
		65.7	83.5	109	290	604.8	287.8	-32	25					
3RD	12.82									2895.4	6392.6	-469.9	192.8	46.4
		69.9	99.0	109	290	643.6	341.1	-26	18					
4TH	16.48									2825.5	6293.7	-446.7	182.3	50.2
		76.6	92.9	109	290	705.0	320.3	-19	16					
5TH	20.14									2748.9	6200.7	-423.8	172.1	53.2
		83.2	86.9	109	290	766.3	299.6	-13	12					
6TH	23.80									2665.7	6113.8	-401.3	162.2	55.4
		85.3	94.6	109	290	785.1	326.1	-8	7					
7TH	27.46									2580.4	6019.2	-379.1	152.6	56.7
		84.5	111.7	109	290	777.6	385.1	-4	3					
8TH	31.12									2496.0	5907.5	-357.3	143.3	57.4
		83.7	128.8	109	290	770.2	444.1	-0	0					
9TH	34.78									2412.3	5778.7	-335.9	134.3	57.5
		82.8	146.0	109	290	762.8	503.1	3	-2					
10TH	38.44									2329.5	5632.7	-315.0	125.6	56.8
		82.0	163.1	109	290	755.3	562.1	6	-3					
11TH	42.11									2247.4	5469.6	-294.7	117.3	55.6
		81.2	180.2	109	290	747.9	621.1	9	-4					
12TH	45.77									2166.2	5289.5	-275.0	109.2	53.6
		80.6	192.5	109	290	742.5	663.4	11	-4					
13TH	49.43									2085.6	5097.0	-256.0	101.4	51.2
		80.3	190.9	109	290	739.0	657.9	11	-5					
14TH	53.09									2005.3	4906.1	-237.7	93.9	48.8
		79.9	189.3	109	290	735.5	652.4	11	-5					
15TH	56.75									1925.4	4716.9	-220.0	86.7	46.4
		79.5	187.7	109	290	731.9	646.9	11	-5					
16TH	60.41									1845.9	4529.2	-203.1	79.8	44.0
		79.1	186.1	109	290	728.4	641.3	11	-5					
17TH	64.07									1766.8	4343.2	-186.9	73.2	41.6
		78.7	184.5	109	290	724.9	635.8	11	-5					
18TH	67.73									1688.1	4158.7	-171.3	66.9	39.2
		78.3	182.9	109	290	720.9	630.5	11	-5					
19TH	71.39									1609.8	3975.8	-156.4	60.9	36.8
		77.8	181.3	109	290	716.2	624.9	11	-5					
20TH	75.05									1532.0	3794.5	-142.2	55.1	34.5
		77.3	179.7	109	290	711.4	619.4	11	-5					
21ST	78.71									1454.7	3614.8	-128.7	49.6	32.2
		76.8	178.1	109	290	706.7	613.8	11	-5					
22ND	82.37									1378.0	3436.8	-115.7	44.5	29.9
		76.2	176.5	109	290	701.9	608.3	11	-5					
23RD	86.03									1301.7	3260.3	-103.5	39.5	27.7
		75.7	174.9	109	290	697.2	602.7	10	-5					
24TH	89.69									1226.0	3085.4	-91.9	34.9	25.5
		75.6	172.6	109	290	695.9	595.1	10	-4					

TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER ONE : BASED ON AEROELASTIC DATA
WIND DIRECTION 120 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN)		AREA (SQ M)		PRESSURE (PA)		ECCEN (M)		SHEAR (KN)		MOMENT (MN-M)		
		X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	Z
25TH	93.35									1150.4	2912.8	-80.9	30.6	23.5
		76.3	175.9	109	290	702.6	606.2	10	-4					
26TH	97.01									1074.1	2736.9	-70.6	26.5	21.5
		77.0	179.1	109	290	709.3	617.4	9	-4					
27TH	100.68									997.1	2557.8	-60.9	22.7	19.6
		77.8	182.3	109	290	716.1	628.5	8	-4					
28TH	104.34									919.3	2375.5	-51.8	19.2	17.8
		78.5	185.6	109	290	722.8	639.7	8	-3					
29TH	108.00									840.8	2189.9	-43.5	16.0	16.0
		79.2	188.8	109	290	729.5	650.8	7	-3					
30TH	111.66									761.6	2001.1	-35.8	13.0	14.4
		80.0	192.5	109	290	736.4	663.6	7	-3					
31ST	115.32									681.6	1808.6	-28.8	10.4	12.9
		80.8	197.0	109	290	743.9	679.1	6	-2					
32ND	118.98									600.8	1611.6	-22.6	8.1	11.6
		81.6	201.4	109	290	751.3	694.2	5	-2					
33RD	122.64									519.2	1410.2	-17.0	6.0	10.4
		82.4	205.8	109	290	758.8	709.3	5	-2					
34TH	126.30									436.8	1204.4	-12.3	4.3	9.2
		83.2	210.2	109	290	766.3	724.5	4	-2					
35TH	129.96									353.5	994.2	-8.2	2.8	8.2
		84.0	214.6	109	290	773.8	739.6	4	-1					
36TH	133.62									269.5	779.7	-5.0	1.7	7.3
		82.9	224.1	109	290	763.1	772.5	2	-1					
37TH	137.28									186.6	555.6	-2.5	.8	6.7
		78.3	223.4	109	290	720.9	770.2	7	-3					
38TH	140.94									108.3	332.2	-.9	.3	5.9
		108.3	332.2	162	433	668.2	767.3	13	-4					
TOP	146.44									0.0	0.0	0.0	0.0	0.0

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TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER ONE : BASED ON AEROELASTIC DATA
WIND DIRECTION 130 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN) X	FORCE (KN) Y	AREA (SQ M) X	AREA (SQ M) Y	PRESSURE (PA) X	PRESSURE (PA) Y	ECCEN (M) X	ECCEN (M) Y	SHEAR (KN) X	SHEAR (KN) Y	MOMENT (MN-M) X	MOMENT (MN-M) Y	MOMENT (MN-M) Z
GRND	0.00									3034.6	1098.1	-170.5	230.3	131.3
		86.1	-300.4	163	436	527.7	-689.4	-5	-1					
1ST	5.50									2948.5	1398.5	-163.7	213.8	129.8
		58.2	-116.0	109	290	535.9	-400.0	-7	-4					
2ND	9.16									2890.3	1514.5	-158.3	203.1	128.8
		58.0	-43.5	109	290	533.9	-150.0	-9	-12					
3RD	12.82									2832.3	1558.0	-152.7	192.7	127.7
		61.0	-15.6	109	290	562.1	-53.9	-5	-18					
4TH	16.48									2771.3	1573.7	-147.0	182.4	126.5
		65.7	-36.3	109	290	605.0	-125.3	-9	-16					
5TH	20.14									2705.6	1610.0	-141.2	172.4	125.1
		70.4	-57.0	109	290	647.9	-196.6	-11	-14					
6TH	23.80									2635.2	1667.0	-135.2	162.6	123.5
		72.6	-56.0	109	290	668.4	-193.1	-12	-15					
7TH	27.46									2562.6	1723.1	-129.0	153.1	121.7
		73.3	-32.4	109	290	674.9	-111.7	-10	-23					
8TH	31.12									2489.3	1755.5	-122.6	143.9	119.7
		74.0	-8.8	109	290	681.4	-30.2	-4	-31					
9TH	34.78									2415.3	1764.2	-116.1	134.9	117.4
		74.7	14.9	109	290	687.9	51.3	7	-33					
10TH	38.44									2340.6	1749.3	-109.7	126.2	114.9
		75.4	38.5	109	290	694.5	132.8	15	-30					
11TH	42.11									2265.2	1710.8	-103.4	117.7	112.1
		76.1	62.2	109	290	701.0	214.3	20	-24					
12TH	45.77									2189.0	1648.6	-97.2	109.6	109.0
		76.9	78.4	109	290	707.6	270.2	21	-21					
13TH	49.43									2112.2	1570.3	-91.3	101.7	105.7
		77.6	72.7	109	290	714.4	250.7	22	-24					
14TH	53.09									2034.6	1497.5	-85.7	94.1	102.3
		78.3	67.1	109	290	721.1	231.1	23	-26					
15TH	56.75									1956.3	1430.5	-80.4	86.8	98.7
		79.1	61.4	109	290	727.9	211.6	23	-29					
16TH	60.41									1877.2	1369.1	-75.2	79.8	95.0
		79.8	55.7	109	290	734.6	192.1	23	-33					
17TH	64.07									1797.4	1313.4	-70.3	73.1	91.1
		80.5	50.0	109	290	741.4	172.5	22	-36					
18TH	67.73									1716.9	1263.3	-65.6	66.6	87.1
		80.9	46.6	109	290	744.7	160.7	22	-38					
19TH	71.39									1636.0	1216.7	-61.1	60.5	83.0
		80.7	45.0	109	290	743.0	155.3	22	-39					
20TH	75.05									1555.3	1171.6	-56.7	54.7	78.8
		80.5	43.5	109	290	741.3	149.9	22	-41					
21ST	78.71									1474.8	1128.2	-52.5	49.1	74.6
		80.3	41.9	109	290	739.7	144.4	22	-42					
22ND	82.37									1394.5	1086.3	-48.4	43.9	70.3
		80.2	40.3	109	290	738.0	139.0	22	-43					
23RD	86.03									1314.3	1045.9	-44.5	38.9	66.0
		80.0	38.8	109	290	736.3	133.6	21	-44					
24TH	89.69									1234.3	1007.2	-40.8	34.2	61.6
		80.0	36.2	109	290	736.7	124.7	21	-46					

TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER ONE : BASED ON AEROELASTIC DATA
WIND DIRECTION 130 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN) X	FORCE (KN) Y	AREA (SQ M) X	AREA (SQ M) Y	PRESSURE (PA) X	PRESSURE (PA) Y	ECCEN (M) X	ECCEN (M) Y	SHEAR (KN) X	SHEAR (KN) Y	MOMENT (MN-M) X	MOMENT (MN-M) Y	MOMENT (MN-M) Z
25TH	93.35									1154.3	971.0	-37.2	29.9	57.2
		80.6	33.3	109	290	741.8	114.8	19	-47					
26TH	97.01									1073.8	937.7	-33.7	25.8	52.8
		81.1	30.5	109	290	746.8	105.0	18	-48					
27TH	100.68									992.6	907.2	-30.3	22.0	48.3
		81.7	27.6	109	290	751.9	95.2	17	-49					
28TH	104.34									911.0	879.6	-27.0	18.5	43.8
		82.2	24.8	109	290	757.0	85.4	15	-50					
29TH	108.00									828.8	854.8	-23.8	15.3	39.3
		82.8	21.9	109	290	762.0	75.6	13	-51					
30TH	111.66									746.0	832.9	-20.8	12.5	34.8
		83.2	20.6	109	290	765.7	70.9	13	-51					
31ST	115.32									662.8	812.4	-17.7	9.9	30.3
		82.9	28.1	109	290	763.4	96.7	16	-47					
32ND	118.98									579.9	784.3	-14.8	7.6	26.0
		82.7	35.8	109	290	761.2	123.4	18	-42					
33RD	122.64									497.2	748.5	-12.0	5.6	21.8
		82.4	43.5	109	290	758.9	150.0	20	-38					
34TH	126.30									414.8	705.0	-9.4	4.0	17.8
		82.2	51.3	109	290	756.7	176.7	21	-33					
35TH	129.96									332.6	653.7	-6.9	2.6	14.0
		81.9	59.0	109	290	754.4	203.4	21	-29					
36TH	133.62									250.7	594.7	-4.6	1.5	10.4
		79.5	85.2	109	290	732.1	293.7	21	-19					
37TH	137.28									171.2	509.5	-2.6	.8	7.0
		73.3	153.5	109	290	675.0	529.1	16	-8					
38TH	140.94									97.9	356.0	-1.0	.3	4.0
		97.9	356.0	162	433	603.8	822.4	10	-3					
TOP	146.44									0.0	0.0	0.0	0.0	0.0

TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER ONE : BASED ON AEROELASTIC DATA

WIND DIRECTION 140 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN) X	FORCE (KN) Y	AREA (SQ M) X	AREA (SQ M) Y	PRESSURE (PA) X	PRESSURE (PA) Y	ECCEN (M) X	ECCEN (M) Y	SHEAR (KN) X	SHEAR (KN) Y	MOMENT (MN-M) X	MOMENT (MN-M) Y	MOMENT (MN-M) Z
GRND	0.00									3402.9	-8493.5	614.4	265.9	145.5
		98.0	-407.7	163	436	600.5	-935.5	-7	-2					
1ST	5.50									3304.9	-8085.8	568.9	247.5	142.7
		63.2	-239.7	109	290	581.8	-826.3	-7	-2					
2ND	9.16									3241.7	-7846.1	539.7	235.5	140.8
		60.8	-212.4	109	290	560.2	-732.1	-8	-2					
3RD	12.82									3180.9	-7633.7	511.4	223.8	138.9
		63.2	-208.5	109	290	582.2	-718.6	-9	-3					
4TH	16.48									3117.6	-7425.3	483.8	212.2	136.8
		67.9	-226.8	109	290	625.5	-781.8	-9	-3					
5TH	20.14									3049.7	-7198.5	457.6	201.0	134.5
		72.6	-245.1	109	290	668.8	-845.0	-9	-3					
6TH	23.80									2977.1	-6953.3	431.1	189.9	132.0
		75.1	-251.2	109	290	691.1	-866.0	-10	-3					
7TH	27.46									2902.0	-6702.1	406.1	179.2	129.3
		76.1	-241.6	109	290	700.4	-832.8	-11	-3					
8TH	31.12									2825.9	-6460.5	382.6	168.7	126.5
		77.1	-232.0	109	290	709.7	-799.6	-11	-4					
9TH	34.78									2748.8	-6228.6	358.8	158.5	123.6
		78.1	-222.3	109	290	719.0	-766.4	-12	-4					
10TH	38.44									2670.7	-6006.2	336.4	148.6	120.6
		79.1	-212.7	109	290	728.3	-733.2	-13	-5					
11TH	42.11									2591.6	-5793.5	314.8	138.9	117.4
		80.1	-203.1	109	290	737.6	-700.0	-14	-6					
12TH	45.77									2511.5	-5590.4	294.6	129.6	114.1
		81.1	-194.6	109	290	746.6	-670.9	-15	-6					
13TH	49.43									2430.4	-5395.8	273.9	120.5	110.7
		82.0	-190.8	109	290	755.3	-657.8	-15	-7					
14TH	53.09									2348.4	-5205.0	254.5	111.8	107.2
		83.0	-187.0	109	290	764.0	-644.7	-16	-7					
15TH	56.75									2265.4	-5017.9	235.8	103.3	103.6
		83.9	-183.2	109	290	772.7	-631.6	-17	-8					
16TH	60.41									2181.5	-4834.7	217.7	95.2	99.9
		84.9	-179.4	109	290	781.4	-618.5	-17	-8					
17TH	64.07									2096.6	-4655.3	200.4	87.4	96.1
		85.8	-175.6	109	290	790.1	-605.4	-18	-9					
18TH	67.73									2010.8	-4479.7	183.6	79.9	92.3
		86.8	-173.2	109	290	798.9	-597.1	-18	-9					
19TH	71.39									1924.0	-4306.4	167.6	72.7	88.3
		87.7	-178.4	109	290	807.8	-614.9	-18	-9					
20TH	75.05									1836.3	-4128.1	152.1	65.8	84.2
		88.7	-183.6	109	290	816.6	-632.8	-18	-9					
21ST	78.71									1747.6	-3944.5	137.3	59.2	80.0
		89.7	-188.8	109	290	825.5	-650.6	-19	-9					
22ND	82.37									1657.9	-3755.7	123.3	53.0	75.7
		90.6	-193.9	109	290	834.4	-668.5	-19	-9					
23RD	86.03									1567.3	-3561.8	109.9	47.1	71.3
		91.6	-199.1	109	290	843.3	-686.4	-19	-9					
24TH	89.69									1475.7	-3362.7	97.2	41.5	66.8
		92.6	-203.8	109	290	852.1	-702.6	-19	-9					

TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER ONE : BASED ON AEROELASTIC DATA
WIND DIRECTION 140 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN) X	FORCE (KN) Y	AREA (SQ M) X	AREA (SQ M) Y	PRESSURE (PA) X	PRESSURE (PA) Y	ECCEN (M) X	ECCEN (M) Y	SHEAR (KN) X	SHEAR (KN) Y	MOMENT (MN-M) X	MOMENT (MN-M) Y	MOMENT (MN-M) Z
25TH	93.35									1383.2	-3158.9	85.2	36.3	62.1
		93.5	-204.2	109	290	861.1	-704.0	-19	-9					
26TH	97.01									1289.6	-2954.6	74.1	31.4	57.5
		94.5	-204.7	109	290	870.0	-705.5	-19	-9					
27TH	100.68									1195.1	-2749.9	63.6	26.8	52.8
		95.5	-205.1	109	290	879.0	-706.9	-19	-9					
28TH	104.34									1099.7	-2544.9	53.9	22.6	48.2
		96.4	-205.5	109	290	887.9	-708.4	-19	-9					
29TH	108.00									1003.2	-2339.4	45.0	18.8	43.5
		97.4	-205.9	109	290	896.8	-709.8	-19	-9					
30TH	111.66									905.8	-2133.4	36.8	15.3	38.8
		98.3	-206.1	109	290	904.7	-710.4	-19	-9					
31ST	115.32									807.6	-1927.3	29.4	12.2	34.1
		98.6	-215.1	109	290	908.2	-741.5	-18	-8					
32ND	118.98									708.9	-1712.2	22.7	9.4	29.5
		99.0	-225.0	109	290	911.7	-775.6	-17	-7					
33RD	122.64									609.9	-1487.2	16.9	7.0	25.0
		99.4	-234.9	109	290	915.1	-809.7	-16	-7					
34TH	126.30									510.5	-1252.3	11.8	4.9	20.6
		99.8	-244.8	109	290	918.6	-843.8	-15	-6					
35TH	129.96									410.7	-1007.5	7.7	3.2	16.2
		100.1	-254.7	109	290	922.1	-877.9	-14	-6					
36TH	133.62									310.6	-752.9	4.5	1.9	12.0
		97.8	-252.7	109	290	900.3	-870.9	-14	-5					
37TH	137.28									212.8	-500.2	2.2	.9	8.0
		90.7	-222.9	109	290	835.0	-768.3	-14	-6					
38TH	140.94									122.1	-277.3	.8	.3	4.4
		122.1	-277.3	162	433	753.5	-640.5	-13	-6					
TOP	146.44									0.0	0.0	0.0	0.0	0.0

TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER ONE : BASED ON AEROELASTIC DATA
WIND DIRECTION 150 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN)		AREA (SQ M)		PRESSURE (PA)		ECCEN (M)		SHEAR (KN)		MOMENT (MN-M)		
		X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	Z
GRND	0.00	116.9	-326.9	163	436	716.6	-750.1	-10	-3	4110.6	-9504.1	697.6	323.4	141.6
1ST	5.50	74.2	-216.4	109	290	683.2	-746.1	-11	-4	3993.7	-9177.2	646.2	301.1	138.0
2ND	9.16	71.8	-216.1	109	290	661.0	-744.9	-11	-4	3919.5	-8960.8	613.0	286.6	135.5
3RD	12.82	74.1	-220.8	109	290	682.2	-761.1	-11	-4	3847.7	-8744.7	580.6	272.4	132.8
4TH	16.48	78.7	-227.2	109	290	724.6	-783.1	-11	-4	3773.6	-8523.9	549.0	258.4	130.0
5TH	20.14	83.3	-233.5	109	290	767.1	-805.0	-11	-4	3694.9	-8296.7	518.2	244.8	127.1
6TH	23.80	86.4	-237.9	109	290	795.6	-820.0	-11	-4	3611.6	-8063.2	488.3	231.4	124.2
7TH	27.46	88.6	-240.5	109	290	815.5	-829.1	-11	-4	3525.2	-7825.3	459.2	218.3	121.2
8TH	31.12	90.7	-243.1	109	290	835.5	-838.1	-11	-4	3436.6	-7584.8	431.0	205.6	118.1
9TH	34.78	92.9	-245.8	109	290	855.4	-847.2	-12	-4	3345.9	-7341.6	403.7	193.2	114.9
10TH	38.44	95.1	-248.4	109	290	875.3	-856.2	-12	-4	3253.0	-7095.9	377.2	181.1	111.7
11TH	42.11	97.2	-251.0	109	290	895.3	-865.3	-12	-5	3157.9	-6847.5	351.7	169.4	108.4
12TH	45.77	99.1	-252.4	109	290	912.1	-870.0	-12	-5	3060.7	-6596.5	327.1	158.0	105.0
13TH	49.43	100.6	-251.1	109	290	926.0	-865.5	-12	-5	2961.6	-6344.1	303.4	147.0	101.6
14TH	53.09	102.1	-249.8	109	290	940.0	-861.1	-12	-5	2861.0	-6093.0	280.7	136.3	98.1
15TH	56.75	103.6	-248.5	109	290	953.9	-856.6	-12	-5	2758.9	-5843.2	258.8	126.0	94.5
16TH	60.41	105.1	-247.2	109	290	967.9	-852.1	-13	-5	2655.3	-5594.7	237.9	116.1	90.9
17TH	64.07	106.6	-245.9	109	290	981.8	-847.7	-13	-6	2550.2	-5347.5	217.8	106.6	87.2
18TH	67.73	107.7	-244.4	109	290	991.6	-842.4	-13	-6	2443.6	-5101.6	198.7	97.4	83.5
19TH	71.39	108.1	-243.5	109	290	995.3	-839.3	-13	-6	2335.9	-4857.2	180.5	88.7	79.8
20TH	75.05	108.5	-242.6	109	290	999.1	-836.2	-13	-6	2227.8	-4613.7	163.2	80.3	76.0
21ST	78.71	108.9	-241.7	109	290	1002.8	-833.1	-13	-6	2119.3	-4371.2	146.7	72.4	72.1
22ND	82.37	109.3	-240.8	109	290	1006.6	-830.0	-14	-6	2010.3	-4129.5	131.2	64.8	68.3
23RD	86.03	109.7	-239.9	109	290	1010.3	-826.9	-14	-6	1901.0	-3888.7	116.5	57.7	64.3
24TH	89.69	110.3	-239.1	109	290	1016.0	-824.4	-14	-6	1791.3	-3648.8	102.7	50.9	60.4

ABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER ONE : BASED ON AEROELASTIC DATA

WIND DIRECTION 150 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN)		AREA (SQ M)		PRESSURE (PA)		ECCEN (M)		SHEAR (KN)		MOMENT (MN-M)		
		X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	Z
25TH	93.35									1680.9	-3409.7	89.8	44.5	56.4
		111.4	-237.8	109	290	1026.0	-819.6	-14	-7					
26TH	97.01									1569.5	-3171.9	77.7	38.6	52.3
		112.5	-236.4	109	290	1036.0	-814.9	-14	-7					
27TH	100.68									1457.0	-2935.5	66.5	33.1	48.3
		113.6	-235.0	109	290	1046.1	-810.2	-14	-7					
28TH	104.34									1343.4	-2700.5	56.2	27.9	44.2
		114.7	-233.7	109	290	1056.1	-805.4	-14	-7					
29TH	108.00									1228.7	-2466.8	46.8	23.2	40.2
		115.8	-232.3	109	290	1066.1	-800.7	-14	-7					
30TH	111.66									1112.9	-2234.5	38.2	18.9	36.1
		117.0	-231.0	109	290	1077.1	-796.3	-14	-7					
31ST	115.32									995.9	-2003.5	30.4	15.1	31.9
		118.6	-235.2	109	290	1092.0	-810.7	-14	-7					
32ND	118.98									877.3	-1768.3	23.5	11.7	27.9
		120.2	-239.8	109	290	1106.8	-826.7	-13	-7					
33RD	122.64									757.1	-1528.5	17.5	8.7	23.8
		121.8	-244.5	109	290	1121.6	-842.8	-13	-7					
34TH	126.30									635.2	-1284.0	12.3	6.1	19.8
		123.4	-249.1	109	290	1136.5	-858.8	-13	-6					
35TH	129.96									511.8	-1034.9	8.1	4.0	15.9
		125.0	-253.8	109	290	1151.3	-874.9	-12	-6					
36TH	133.62									386.8	-781.1	4.7	2.4	12.0
		122.6	-251.3	109	290	1128.7	-866.3	-12	-6					
37TH	137.28									264.2	-529.7	2.3	1.2	8.2
		113.1	-229.1	109	290	1041.2	-789.8	-12	-6					
38TH	140.94									151.1	-300.6	.8	.4	4.7
		151.1	-300.6	162	433	932.2	-694.4	-13	-6					
TOP	146.44									0.0	0.0	0.0	0.0	0.0

TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER ONE : BASED ON AEROELASTIC DATA
WIND DIRECTION 160 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN)		AREA (SQ M)		PRESSURE (PA)		ECCEN (M)		SHEAR (KN)		MOMENT (MN-M)		
		X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	Z
GRND	0.00									4265.2	-10842.0	786.2	334.7	115.2
		124.9	-400.1	163	436	765.5	-918.2	-8	-3					
1ST	5.50									4140.3	-10441.9	727.7	311.5	111.7
		80.0	-264.0	109	290	737.0	-910.1	-8	-3					
2ND	9.16									4060.3	-10177.9	690.0	296.5	109.2
		77.0	-261.4	109	290	709.1	-901.1	-9	-3					
3RD	12.82									3983.2	-9916.5	653.2	281.8	106.8
		78.6	-264.2	109	290	723.9	-910.8	-9	-3					
4TH	16.48									3904.6	-9652.3	617 4	267.4	104.2
		82.5	-269 2	109	290	759.6	-928.1	-9	-3					
5TH	20.14									3822.1	-9383.0	582.5	253.2	101.7
		86.4	-274.2	109	290	795.2	-945.3	-8	-3					
6TH	23.80									3735.8	-9108.8	548.7	239.4	99.1
		89.4	-277.2	109	290	823.0	-955.4	-8	-3					
7TH	27.46									3646.4	-8831.6	515.9	225.9	96.6
		91.9	-277.7	109	290	845.7	-957.1	-8	-3					
8TH	31.12									3554.5	-8554.0	484.0	212.7	94.0
		94.3	-278.1	109	290	868.5	-958.8	-9	-3					
9TH	34.78									3460.2	-8275.8	453 2	199.9	91.3
		96.8	-278.6	109	290	891.3	-960.4	-9	-3					
10TH	38.44									3363.4	-7997.2	423.5	187.4	88.6
		99.3	-279.1	109	290	914.1	-962.1	-9	-3					
11TH	42.11									3264.1	-7718.1	394.7	175.2	85.9
		101.8	-279.6	109	290	936.9	-963.8	-9	-3					
12TH	45.77									3162.3	-7438.5	366.9	163.5	83.1
		103.5	-279.6	109	290	953.0	-963.8	-9	-3					
13TH	49.43									3058.8	-7158.9	340.2	152.1	80.2
		104.6	-280.1	109	290	962.7	-965.5	-9	-3					
14TH	53.09									2954.3	-6878.8	314.5	141.1	77.4
		105.6	-280.6	109	290	972.4	-967.2	-9	-3					
15TH	56.75									2848.7	-6598.2	289.9	130.5	74.5
		106.7	-281.1	109	290	982.2	-968.9	-9	-3					
16TH	60.41									2742.0	-6317.2	266.2	120.2	71.7
		107.7	-281.6	109	290	991.9	-970.6	-9	-3					
17TH	64.07									2634.2	-6035.6	243.6	110.4	68.8
		108.8	-282.1	109	290	1001.6	-972.3	-9	-3					
18TH	67.73									2525.5	-5753.5	222.0	101.0	65.8
		109.6	-282.0	109	290	1009.2	-972.1	-9	-4					
19TH	71.39									2415.8	-5471.5	201.5	91.9	62.9
		110.1	-279.6	109	290	1013.5	-963.6	-9	-4					
20TH	75.05									2305.8	-5192.0	182.0	83.3	59.9
		110.6	-277.1	109	290	1017.9	-955.2	-9	-4					
21ST	78.71									2195.2	-4914.9	163.5	75.0	56.9
		111.0	-274.6	109	290	1022.3	-946.7	-9	-4					
22ND	82.37									2084.2	-4640.2	146.0	67.2	53.9
		111.5	-272.2	109	290	1026.6	-938.2	-10	-4					
23RD	86.03									1972.7	-4368.1	129.5	59.8	50.9
		112.0	-269.7	109	290	1031.0	-929.7	-10	-4					
24TH	89.69									1860.7	-4098.4	114.0	52.8	47.8
		112.9	-267.7	109	290	1039.3	-922.9	-10	-4					

TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER ONE : BASED ON AEROELASTIC DATA

WIND DIRECTION 160 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN)		AREA (SQ M)		PRESSURE (PA)		ECCEN (M)		SHEAR (KN)		MOMENT (MN-M)		
		X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	Z
25TH	93.35									1747.8	-3830.6	99.5	46.2	44.7
		114.8	-268.2	109	290	1056.9	-924.5	-10	-4					
26TH	97.01									1633.0	-3562.4	86.0	40.0	41.6
		116.7	-268.7	109	290	1074.5	-926.2	-10	-4					
27TH	100.68									1516.3	-3293.7	73.4	34.2	38.5
		118.6	-269.2	109	290	1092.0	-927.9	-10	-4					
28TH	104.34									1397.7	-3024.5	61.8	28.9	35.3
		120.5	-269.7	109	290	1109.6	-929.5	-10	-4					
29TH	108.00									1277.2	-2754.9	51.3	24.0	32.2
		122.4	-270.1	109	290	1127.2	-931.2	-10	-4					
30TH	111.66									1154.8	-2484.7	41.7	19.5	29.1
		124.1	-270.3	109	290	1142.9	-931.8	-10	-4					
31ST	115.32									1030.6	-2214.4	33.1	15.5	25.9
		125.0	-271.7	109	290	1151.3	-936.7	-10	-4					
32ND	118.98									905.6	-1942.7	25.5	12.0	22.7
		126.0	-273.4	109	290	1159.7	-942.3	-10	-4					
33RD	122.64									779.6	-1669.3	18.9	8.9	19.5
		126.9	-275.0	109	290	1168.0	-948.0	-10	-4					
34TH	126.30									652.8	-1394.3	13.3	6.3	16.3
		127.8	-276.6	109	290	1176.4	-953.6	-10	-4					
35TH	129.96									525.0	-1117.7	8.7	4.1	13.1
		128.7	-278.3	109	290	1184.7	-959.2	-10	-4					
36TH	133.62									396.3	-839.4	5.1	2.4	9.9
		125.7	-273.1	109	290	1157.1	-941.4	-9	-4					
37TH	137.28									270.7	-566.3	2.5	1.2	6.8
		115.9	-246.8	109	290	1067.1	-850.8	-10	-5					
38TH	140.94									154.8	-319.5	.9	.4	3.9
		154.8	-319.5	162	433	954.9	-737.9	-10	-5					
TOP	146.44									0.0	0.0	0.0	0.0	0.0

TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER ONE : BASED ON AEROELASTIC DATA
WIND DIRECTION 170 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN)		AREA (SQ M)		PRESSURE (PA)		ECCEN (M)		SHEAR (KN)		MOMENT (MN-M)		
		X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	Z
GRND	0.00									4243.9	-10231.3	746.3	330.2	94.6
		133.5	-383.6	163	436	818.2	-880.3	-7	-2					
1ST	5.50									4110.4	-9847.8	691.1	307.2	91.8
		84.8	-249.8	109	290	780.7	-861.2	-7	-2					
2ND	9.16									4025.6	-9597.9	655.5	292.3	89.8
		81.3	-245.1	109	290	748.6	-845.0	-7	-2					
3RD	12.82									3944.3	-9352.8	620.8	277.8	87.8
		81.9	-245.7	109	290	754.4	-847.0	-7	-2					
4TH	16.48									3862.4	-9107.1	587.0	263.5	85.8
		84.6	-249.5	109	290	778.7	-860.0	-7	-2					
5TH	20.14									3777.8	-8857.6	554.1	249.5	83.8
		87.2	-253.2	109	290	803.0	-872.9	-7	-2					
6TH	23.80									3690.6	-8604.4	522.2	235.8	81.8
		89.6	-255.9	109	290	825.0	-882.2	-7	-2					
7TH	27.46									3601.0	-8348.4	491.1	222.5	79.7
		91.8	-257.2	109	290	845.6	-886.6	-7	-3					
8TH	31.12									3509.1	-8091.2	461.0	209.5	77.7
		94.1	-258.5	109	290	866.1	-891.0	-7	-3					
9TH	34.78									3415.1	-7832.7	431.9	196.8	75.6
		96.3	-259.7	109	290	886.7	-895.4	-7	-3					
10TH	38.44									3318.8	-7573.0	403.7	184.5	73.4
		98.5	-261.0	109	290	907.3	-899.8	-7	-3					
11TH	42.11									3220.2	-7312.0	376.4	172.5	71.2
		100.8	-262.3	109	290	927.8	-904.2	-8	-3					
12TH	45.77									3119.5	-7049.7	350.2	160.9	68.9
		102.3	-262.6	109	290	941.9	-905.2	-8	-3					
13TH	49.43									3017.2	-6787.1	324.8	149.7	66.5
		103.1	-261.3	109	290	949.7	-900.7	-8	-3					
14TH	53.09									2914.0	-6525.8	300.5	138.8	64.2
		104.0	-260.0	109	290	957.4	-896.2	-8	-3					
15TH	56.75									2810.0	-6265.8	277.1	128.3	61.8
		104.8	-258.7	109	290	965.2	-891.7	-8	-3					
16TH	60.41									2705.2	-6007.1	254.6	118.2	59.5
		105.7	-257.4	109	290	973.0	-887.2	-8	-3					
17TH	64.07									2599.5	-5749.8	233.1	108.5	57.1
		106.5	-256.1	109	290	980.8	-882.7	-8	-3					
18TH	67.73									2493.0	-5493.7	212.5	99.2	54.7
		107.5	-255.2	109	290	990.0	-879.6	-8	-3					
19TH	71.39									2385.5	-5238.5	192.8	90.3	52.3
		108.7	-256.5	109	290	1001.1	-884.1	-8	-3					
20TH	75.05									2276.7	-4982.1	174.1	81.7	49.9
		109.9	-257.8	109	290	1012.3	-888.6	-8	-3					
21ST	78.71									2166.8	-4724.3	156.4	73.6	47.4
		111.2	-259.1	109	290	1023.5	-893.1	-8	-3					
22ND	82.37									2055.6	-4465.2	139.6	65.9	44.9
		112.4	-260.4	109	290	1034.6	-897.6	-8	-4					
23RD	86.03									1943.2	-4204.8	123.7	58.6	42.4
		113.6	-261.7	109	290	1045.8	-902.1	-8	-4					
24TH	89.69									1829.7	-3943.1	108.8	51.6	39.9
		114.7	-263.0	109	290	1056.3	-906.6	-8	-4					

TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER ONE : BASED ON AEROELASTIC DATA
WIND DIRECTION 170 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN) X	FORCE (KN) Y	AREA (SQ M) X	AREA (SQ M) Y	PRESSURE (PA) X	PRESSURE (PA) Y	ECCEN (M) X	ECCEN (M) Y	SHEAR (KN) X	SHEAR (KN) Y	MOMENT (MN-M) X	MOMENT (MN-M) Y	MOMENT (MN-M) Z
25TH	93.35									1714.9	-3680.1	94.8	45.2	37.3
		115.7	-262.9	109	290	1065.5	-906.3	-8	-4					
26TH	97.01									1599.2	-3417.2	81.8	39.1	34.7
		116.7	-262.8	109	290	1074.6	-906.1	-8	-4					
27TH	100.68									1482.5	-3154.3	69.8	33.5	32.2
		117.7	-262.8	109	290	1083.8	-905.8	-8	-4					
28TH	104.34									1364.8	-2891.6	58.7	28.2	29.6
		118.7	-262.7	109	290	1092.9	-905.5	-8	-4					
29TH	108.00									1246.1	-2628.9	48.6	23.5	27.1
		119.7	-262.6	109	290	1102.0	-905.3	-8	-4					
30TH	111.66									1126.4	-2366.2	39.5	19.1	24.5
		120.6	-262.4	109	290	1110.8	-904.4	-8	-4					
31ST	115.32									1005.7	-2103.9	31.3	15.2	21.9
		121.4	-262.3	109	290	1118.1	-904.1	-8	-4					
32ND	118.98									884.3	-1841.6	24.1	11.8	19.3
		122.2	-262.3	109	290	1125.3	-904.0	-8	-4					
33RD	122.64									762.1	-1579.3	17.8	8.7	16.7
		123.0	-262.2	109	290	1132.6	-903.9	-8	-4					
34TH	126.30									639.1	-1317.1	12.5	6.2	14.0
		123.8	-262.2	109	290	1139.8	-903.8	-8	-4					
35TH	129.96									515.3	-1054.9	8.2	4.1	11.3
		124.6	-262.2	109	290	1147.1	-903.7	-8	-4					
36TH	133.62									390.7	-792.7	4.8	2.4	8.6
		122.1	-256.9	109	290	1124.1	-885.4	-8	-4					
37TH	137.28									268.6	-535.9	2.4	1.2	6.0
		113.9	-232.9	109	290	1048.6	-802.8	-9	-4					
38TH	140.94									154.7	-303.0	.8	.4	3.5
		154.7	-303.0	162	433	954.6	-699.8	-9	-5					
TOP	146.44									0.0	0.0	0.0	0.0	0.0

TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER ONE : BASED ON AEROELASTIC DATA

WIND DIRECTION 180 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN) X	FORCE (KN) Y	AREA (SQ M) X	AREA (SQ M) Y	PRESSURE (PA) X	PRESSURE (PA) Y	ECCEN (M) X	ECCEN (M) Y	SHEAR (KN) X	SHEAR (KN) Y	MOMENT (MN-M) X	MOMENT (MN-M) Y	MOMENT (MN-M) Z
GRND	0.00									4152.3	-10227.1	764.5	328.4	83.3
		128.1	-377.2	163	436	785.4	-865.5	-6	-2					
1ST	5.50									4024.1	-9849.9	709.3	305.9	80.7
		81.7	-240.7	109	290	751.8	-829.9	-6	-2					
2ND	9.16									3942.5	-9609.2	673.7	291.3	79.0
		77.6	-231.3	109	290	714.7	-797.4	-6	-2					
3RD	12.82									3864.9	-9377.8	638.9	277.0	77.4
		77.9	-229.2	109	290	717.5	-790.2	-7	-2					
4TH	16.48									3786.9	-9148.6	605.0	263.0	75.7
		80.4	-233.7	109	290	740.0	-805.7	-7	-2					
5TH	20.14									3706.6	-8914.9	572.0	249.3	73.9
		82.8	-238.2	109	290	762.4	-821.1	-7	-2					
6TH	23.80									3623.8	-8676.7	539.8	235.9	72.2
		84.7	-241.2	109	290	780.2	-831.4	-7	-2					
7TH	27.46									3539.0	-8435.5	508.4	222.8	70.3
		86.4	-242.0	109	290	795.1	-834.2	-7	-2					
8TH	31.12									3452.7	-8193.5	478.0	210.0	68.5
		88.0	-242.8	109	290	810.0	-837.1	-7	-3					
9TH	34.78									3364.7	-7950.6	448.5	197.5	66.6
		89.6	-243.7	109	290	824.9	-839.9	-7	-3					
10TH	38.44									3275.1	-7707.0	419.8	185.3	64.6
		91.2	-244.5	109	290	839.9	-842.7	-7	-3					
11TH	42.11									3183.9	-7462.5	392.0	173.5	62.7
		92.8	-245.3	109	290	854.8	-845.5	-7	-3					
12TH	45.77									3091.0	-7217.2	365.2	162.0	60.7
		94.5	-246.3	109	290	869.7	-849.2	-7	-3					
13TH	49.43									2996.6	-6970.9	339.2	150.9	58.6
		96.1	-248.0	109	290	884.6	-854.9	-7	-3					
14TH	53.09									2900.5	-6722.8	314.1	140.1	56.6
		97.7	-249.7	109	290	899.5	-860.7	-7	-3					
15TH	56.75									2802.8	-6473.2	290.0	129.6	54.5
		99.3	-251.3	109	290	914.4	-866.4	-7	-3					
16TH	60.41									2703.5	-6221.8	266.7	119.6	52.4
		100.9	-253.0	109	290	929.3	-872.2	-7	-3					
17TH	64.07									2602.6	-5968.8	244.4	109.9	50.3
		102.6	-254.7	109	290	944.2	-877.9	-7	-3					
18TH	67.73									2500.0	-5714.1	223.1	100.5	48.2
		104.0	-256.3	109	290	957.9	-883.4	-7	-3					
19TH	71.39									2396.0	-5457.8	202.6	91.6	46.1
		105.3	-258.4	109	290	969.9	-890.8	-7	-3					
20TH	75.05									2290.6	-5199.4	183.1	83.0	43.9
		106.6	-260.6	109	290	981.8	-898.2	-7	-3					
21ST	78.71									2184.0	-4938.8	164.5	74.8	41.7
		107.9	-262.7	109	290	993.8	-905.6	-7	-3					
22ND	82.37									2076.1	-4676.1	146.9	67.0	39.5
		109.2	-264.9	109	290	1005.7	-913.0	-7	-3					
23RD	86.03									1966.8	-4411.2	130.3	59.6	37.3
		110.5	-267.0	109	290	1017.7	-920.4	-7	-3					
24TH	89.69									1856.3	-4144.2	114.7	52.6	35.0
		112.1	-269.4	109	290	1032.0	-928.6	-7	-3					

TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER ONE : BASED ON AEROELASTIC DATA
WIND DIRECTION 180 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN)		AREA (SQ M)		PRESSURE (PA)		ECCEN (M)		SHEAR (KN)		MOMENT (MN-M)		
		X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	Z
25TH	93.35									1744.2	-3874.8	100.0	46.0	32.8
		114.2	-271.2	109	290	1051.9	-934.7	-7	-3					
26TH	97.01									1630.0	-3603.6	86.3	39.8	30.5
		116.4	-272.9	109	290	1071 8	-940.8	-7	-3					
27TH	100.68									1513.6	-3330.7	73.6	34.1	28.2
		118.6	-274.7	109	290	1091.7	-946.9	-7	-3					
28TH	104.34									1395.0	-3056.0	61.9	28.8	26.0
		120.7	-276.5	109	290	1111.6	-953.0	-7	-3					
29TH	108.00									1274 2	-2779.6	51.2	23.9	23.7
		122.9	-278.2	109	290	1131.5	-959.1	-7	-3					
30TH	111.66									1151.3	-2501.3	41.6	19.4	21.4
		124.8	-279 7	109	290	1148.6	-964.1	-7	-3					
31ST	115.32									1026.6	-2221.7	32.9	15.4	19.1
		125.3	-279.3	109	290	1153.8	-962 7	-7	-3					
32ND	118.98									901.3	-1942.4	25.3	11.9	16.7
		125.9	-278.8	109	290	1159.1	-961.1	-7	-3					
33RD	122.64									775.4	-1663.6	18.7	8.8	14.4
		126.5	-278.3	109	290	1164.3	-959.5	-7	-3					
34TH	126.30									648 9	-1385.2	13.1	6.2	12.0
		127.0	-277.9	109	290	1169 6	-957.9	-7	-3					
35TH	129.96									521.9	-1107.4	8.5	4.1	9.7
		127.6	-277.4	109	290	1174.8	-956.3	-7	-3					
36TH	133.62									394.3	-830.0	5.0	2.4	7.3
		124.5	-271.4	109	290	1146.7	-935.5	-7	-3					
37TH	137.28									269.8	-558.6	2.5	1.2	5.0
		115.2	-244.3	109	290	1060.7	-842.2	-7	-3					
38TH	140.94									154.6	-314.3	.9	.4	2.9
		154.6	-314.2	162	433	953.6	-725.9	-7	-4					
TOP	146.44									0.0	0.0	0.0	0.0	0.0

TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER ONE : BASED ON AEROELASTIC DATA
WIND DIRECTION 190 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN) X	FORCE (KN) Y	AREA (SQ M) X	AREA (SQ M) Y	PRESSURE (PA) X	PRESSURE (PA) Y	ECCEN (M) X	ECCEN (M) Y	SHEAR (KN) X	SHEAR (KN) Y	MOMENT (MN-M) X	MOMENT (MN-M) Y	MOMENT (MN-M) Z
GRND	0.00									3914.9	-11578.3	885.1	312.4	87.7
		120.8	-405.4	163	436	740.7	-930.3	-6	-2					
1ST	5.50									3794.0	-11172.9	822.6	291.2	85.0
		77.4	-258.1	109	290	712.7	-889.8	-6	-2					
2ND	9.16									3716.6	-10914.8	782.1	277.4	83.3
		73.6	-247.3	109	290	677.6	-852.4	-6	-2					
3RD	12.82									3643.0	-10667.5	742.6	264.0	81.8
		73.1	-243.1	109	290	673.5	-838.1	-6	-2					
4TH	16.48									3569.9	-10424.3	704.0	250.8	80.2
		74.3	-245.6	109	290	684.5	-846.5	-6	-2					
5TH	20.14									3495.6	-10178.8	666.3	237.8	78.5
		75.5	-248.0	109	290	695.6	-854.9	-7	-2					
6TH	23.80									3420.0	-9930.8	629.5	225.2	76.7
		77.0	-250.7	109	290	708.5	-864.3	-7	-2					
7TH	27.46									3343.1	-9680.0	593.6	212.8	74.8
		78.5	-253.8	109	290	722.6	-874.9	-7	-2					
8TH	31.12									3264.6	-9426.2	558.6	200.7	72.9
		80.0	-256.9	109	290	736.7	-885.4	-7	-2					
9TH	34.78									3184.6	-9169.3	524.6	188.9	71.0
		81.5	-259.9	109	290	750.7	-895.9	-7	-2					
10TH	38.44									3103.0	-8909.4	491.5	177.4	68.9
		83.1	-263.0	109	290	764.8	-906.5	-7	-2					
11TH	42.11									3020.0	-8646.5	459.4	166.2	66.9
		84.6	-266.0	109	290	778.9	-917.0	-7	-2					
12TH	45.77									2935.4	-8380.4	428.2	155.3	64.7
		86.2	-269.5	109	290	793.8	-929.0	-7	-2					
13TH	49.43									2849.1	-8110.9	398.0	144.7	62.5
		87.9	-274.2	109	290	809.4	-945.1	-7	-2					
14TH	53.09									2761.2	-7836.7	368.8	134.4	60.3
		89.6	-278.9	109	290	825.1	-961.3	-7	-2					
15TH	56.75									2671.6	-7557.9	340.7	124.5	58.1
		91.3	-283.5	109	290	840.7	-977.4	-7	-2					
16TH	60.41									2580.3	-7274.3	313.5	114.9	55.9
		93.0	-288.2	109	290	856.4	-993.5	-7	-2					
17TH	64.07									2487.3	-6986.1	287.4	105.6	53.6
		94.7	-292.9	109	290	872.0	-1009.7	-7	-2					
18TH	67.73									2392.6	-6693.2	262.4	96.7	51.4
		96.5	-297.3	109	290	888.2	-1024.7	-7	-2					
19TH	71.39									2296.1	-6395.9	238.4	88.1	49.1
		98.3	-299.1	109	290	905.1	-1031.1	-7	-2					
20TH	75.05									2197.8	-6096.8	215.6	79.9	46.8
		100.1	-301.0	109	290	922.1	-1037.6	-7	-2					
21ST	78.71									2097.7	-5795.8	193.8	72.0	44.4
		102.0	-302.9	109	290	939.0	-1044.1	-7	-2					
22ND	82.37									1995.7	-5492.9	173.1	64.5	42.1
		103.8	-304.8	109	290	955.9	-1050.5	-7	-2					
23RD	86.03									1891.8	-5188.2	153.6	57.4	39.7
		105.7	-306.6	109	290	972.9	-1057.0	-7	-2					
24TH	89.69									1786.2	-4881.5	135.2	50.7	37.2
		107.6	-308.7	109	290	990.5	-1064.0	-7	-2					

TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER ONE : BASED ON AEROELASTIC DATA
WIND DIRECTION 190 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN) X	FORCE (KN) Y	AREA (SQ M) X	AREA (SQ M) Y	PRESSURE (PA) X	PRESSURE (PA) Y	ECCEN (M) X	ECCEN (M) Y	SHEAR (KN) X	SHEAR (KN) Y	MOMENT (MN-M) X	MOMENT (MN-M) Y	MOMENT (MN-M) Z
25TH	93.35									1678.6	-4572.8	117.8	44.3	34.8
		109.7	-313.4	109	290	1009.9	-1080.3	-7	-2					
26TH	97.01									1568.9	-4259.5	101.7	38.4	32.4
		111.8	-318.1	109	290	1029.2	-1096.6	-7	-2					
27TH	100.68									1457.1	-3941.3	86.7	32.8	29.9
		113.9	-322.8	109	290	1048.6	-1112.9	-7	-2					
28TH	104.34									1343.2	-3618.5	72.8	27.7	27.5
		116.0	-327.6	109	290	1067.9	-1129.2	-7	-2					
29TH	108.00									1227.2	-3290.9	60.2	23.0	25.1
		118.1	-332.3	109	290	1087.3	-1145.4	-7	-2					
30TH	111.66									1109.1	-2958.6	48.7	18.7	22.6
		119.9	-336.7	109	290	1104.0	-1160.7	-6	-2					
31ST	115.32									989.2	-2621.9	38.5	14.9	20.2
		120.5	-335.2	109	290	1109.8	-1155.5	-6	-2					
32ND	118.98									868.7	-2286.7	29.6	11.5	17.7
		121.2	-333.3	109	290	1115.5	-1148.9	-7	-2					
33RD	122.64									747.5	-1953.4	21.8	8.5	15.3
		121.8	-331.4	109	290	1121.3	-1142.3	-7	-2					
34TH	126.30									625.8	-1622.0	15.2	6.0	12.8
		122.4	-329.5	109	290	1127.1	-1135.6	-7	-2					
35TH	129.96									503.3	-1292.6	9.9	3.9	10.3
		123.0	-327.5	109	290	1132.9	-1129.0	-7	-2					
36TH	133.62									380.3	-965.0	5.8	2.3	7.9
		120.1	-319.6	109	290	1106.1	-1101.8	-7	-2					
37TH	137.28									260.2	-645.4	2.8	1.2	5.5
		111.1	-284.9	109	290	1023.1	-982.0	-7	-3					
38TH	140.94									149.0	-360.5	1.0	.4	3.2
		149.0	-360.5	162	433	919.5	-832.7	-8	-3					
TOP	146.44									0.0	0.0	0.0	0.0	0.0

TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER ONE : BASED ON AEROELASTIC DATA
WIND DIRECTION 200 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN) X	FORCE (KN) Y	AREA (SQ M) X	AREA (SQ M) Y	PRESSURE (PA) X	PRESSURE (PA) Y	ECCEN (M) X	ECCEN (M) Y	SHEAR (KN) X	SHEAR (KN) Y	MOMENT (MN-M) X	MOMENT (MN-M) Y	MOMENT (MN-M) Z
GRND	0.00									3644.8	-11796.2	909.2	289.6	87.3
		119.5	-412.6	163	436	732.2	-946.8	-4	-1					
1ST	5.50									3525.3	-11383.6	845.5	269.9	85.4
		76.2	-262.2	109	290	701.7	-903.7	-4	-1					
2ND	9.16									3449.1	-11121.5	804.3	257.1	84.2
		71.9	-250.5	109	290	661.9	-863.3	-4	-1					
3RD	12.82									3377.2	-10871.0	764.0	244.6	83.0
		70.6	-244.6	109	290	650.3	-843.0	-5	-1					
4TH	16.48									3306.6	-10626.5	724.7	232.4	81.7
		70.9	-244.3	109	290	652.4	-842.2	-5	-1					
5TH	20.14									3235.7	-10382.2	686.2	220.4	80.4
		71.1	-244.1	109	290	654.6	-841.3	-5	-1					
6TH	23.80									3164.6	-10138.1	648.7	208.7	79.1
		71.9	-245.4	109	290	661.9	-846.0	-5	-1					
7TH	27.46									3092.7	-9892.7	612.0	197.2	77.7
		73.0	-248.9	109	290	672.5	-858.1	-5	-2					
8TH	31.12									3019.7	-9643.7	576.3	186.0	76.3
		74.2	-252.5	109	290	683.2	-870.3	-6	-2					
9TH	34.78									2945.5	-9391.2	541.4	175.1	74.7
		75.3	-256.0	109	290	693.8	-882.5	-6	-2					
10TH	38.44									2870.1	-9135.2	507.5	164.5	73.0
		76.5	-259.5	109	290	704.4	-894.7	-6	-2					
11TH	42.11									2793.6	-8875.7	474.5	154.1	71.1
		77.7	-263.1	109	290	715.0	-906.8	-7	-2					
12TH	45.77									2716.0	-8612.6	442.5	144.0	69.2
		79.1	-267.4	109	290	728.6	-921.7	-7	-2					
13TH	49.43									2636.8	-8345.2	411.5	134.2	67.2
		80.9	-273.7	109	290	745.1	-943.5	-7	-2					
14TH	53.09									2555.9	-8071.5	381.4	124.7	65.1
		82.7	-280.0	109	290	761.6	-965.2	-7	-2					
15TH	56.75									2473.2	-7791.5	352.4	115.5	62.9
		84.5	-286.3	109	290	778.1	-987.0	-7	-2					
16TH	60.41									2388.7	-7505.2	324.4	106.6	60.6
		86.3	-292.7	109	290	794.6	-1008.8	-7	-2					
17TH	64.07									2302.4	-7212.5	297.5	98.0	58.3
		88.1	-299.0	109	290	811.1	-1030.6	-7	-2					
18TH	67.73									2214.3	-6913.5	271.6	89.8	55.9
		89.6	-304.7	109	290	825.4	-1050.3	-7	-2					
19TH	71.39									2124.7	-6608.8	246.9	81.8	53.4
		90.9	-307.4	109	290	836.6	-1059.6	-7	-2					
20TH	75.05									2033.8	-6301.4	223.2	74.2	50.9
		92.1	-310.1	109	290	847.8	-1068.8	-7	-2					
21ST	78.71									1941.7	-5991.4	200.7	66.9	48.4
		93.3	-312.7	109	290	859.0	-1078.0	-7	-2					
22ND	82.37									1848.4	-5678.6	179.4	60.0	45.9
		94.5	-315.4	109	290	870.2	-1087.3	-7	-2					
23RD	86.03									1753.9	-5363.2	159.2	53.4	43.4
		95.7	-318.1	109	290	881.5	-1096.5	-7	-2					
24TH	89.69									1658.1	-5045.1	140.1	47.2	40.8
		97.3	-321.1	109	290	896.3	-1106.8	-7	-2					

TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER ONE : BASED ON AEROELASTIC DATA
WIND DIRECTION 200 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN) X	FORCE (KN) Y	AREA (SQ M) X	AREA (SQ M) Y	PRESSURE (PA) X	PRESSURE (PA) Y	ECCEN (M) X	ECCEN (M) Y	SHEAR (KN) X	SHEAR (KN) Y	MOMENT (MN-M) X	MOMENT (MN-M) Y	MOMENT (MN-M) Z
25TH	93.35									1560.8	-4724.0	122.2	41.3	~~38.2~~
		99.9	-324.5	109	290	919.6	-1118.6	-7	-2					
26TH	97.01									1460.9	-4399.5	105.5	35.7	~~35.6~~
		102.4	-327.9	109	290	943.0	-1130.3	-7	-2					
27TH	100.68									1358.5	-4071.6	90.0	30.6	~~33.0~~
		105.0	-331.3	109	290	966.3	-1142.0	-7	-2					
28TH	104.34									1253.5	-3740.3	75.7	25.8	~~30.4~~
		107.5	-334.7	109	290	989.6	-1153.8	-7	-2					
29TH	108.00									1146.1	-3405.6	62.7	21.4	~~27.8~~
		110.0	-338.1	109	290	1013.0	-1165.5	-7	-2					
30TH	111.66									1036.0	-3067.5	50.8	17.4	~~25.1~~
		112.2	-341.3	109	290	1033.2	-1176.4	-7	-2					
31ST	115.32									923.8	-2726.2	40.2	13.8	~~22.4~~
		113.0	-342.1	109	290	1040.4	-1179.3	-7	-2					
32ND	118.98									810.8	-2384.1	30.8	10.7	~~19.7~~
		113.8	-342.8	109	290	1047.6	-1181.7	-7	-2					
33RD	122.64									697.0	-2041.3	22.7	7.9	~~17.0~~
		114.6	-343.5	109	290	1054.8	-1184.2	-7	-2					
34TH	126.30									582.5	-1697.7	15.9	5.6	~~14.2~~
		115.3	-344.3	109	290	1062.0	-1186.7	-7	-2					
35TH	129.96									467.1	-1353.5	10.3	3.6	~~11.5~~
		116.1	-345.0	109	290	1069.2	-1189.1	-7	-2					
36TH	133.62									351.0	-1008.5	6.0	2.1	~~8.7~~
		113.0	-338.8	109	290	1040.1	-1167.7	-7	-2					
37TH	137.28									238.1	-669.8	2.9	1.1	~~6.1~~
		103.0	-298.6	109	290	948.1	-1029.5	-8	-3					
38TH	140.94									135.1	-371.1	1.0	.4	~~3.6~~
		135.1	-371.1	162	433	833.4	-857.2	-9	-3					
TOP	146.44									0.0	0.0	0.0	0.0	~~0.0~~

TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER ONE : BASED ON AEROELASTIC DATA
WIND DIRECTION 210 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN) X	FORCE (KN) Y	AREA (SQ M) X	AREA (SQ M) Y	PRESSURE (PA) X	PRESSURE (PA) Y	ECCEN (M) X	ECCEN (M) Y	SHEAR (KN) X	SHEAR (KN) Y	MOMENT (MN-M) X	MOMENT (MN-M) Y	MOMENT (MN-M) Z
GRND	0.00									3494.2	-12232.8	942.1	273.2	[illegible]
		116.0	-413.4	163	436	710.9	-948.6	-2	-1					
1ST	5.50									3378.2	-11819.4	875.9	254.3	[illegible]
		73.6	-265.5	109	290	677.4	-915.2	15	4					
2ND	9.16									3304.7	-11553.9	833.2	242.1	[illegible]
		71.0	-258.1	109	290	653.8	-889.8	34	9					
3RD	12.82									3233.6	-11295.8	791.3	230.1	[illegible]
		70.2	-255.1	109	290	646.4	-879.5	31	9					
4TH	16.48									3163.4	-11040.7	750.4	218.4	[illegible]
		70.3	-257.1	109	290	646.8	-886.3	32	9					
5TH	20.14									3093.2	-10783.5	710.5	207.0	[illegible]
		70.3	-259.1	109	290	647.3	-893.1	33	9					
6TH	23.80									3022.9	-10524.4	671.5	195.8	[illegible]
		71.3	-262.2	109	290	656.4	-903.9	26	7					
7TH	27.46									2951.6	-10262.2	633.5	184.8	[illegible]
		72.9	-266.3	109	290	670.9	-917.9	12	3					
8TH	31.12									2878.7	-9995.9	596.4	174.2	[illegible]
		74.4	-270.3	109	290	685.4	-931.8	-1	-0					
9TH	34.78									2804.3	-9725.6	560.3	163.8	[illegible]
		76.0	-274.4	109	290	699.9	-945.8	-14	-4					
10TH	38.44									2728.3	-9451.3	525.2	153.6	[illegible]
		77.6	-278.4	109	290	714.4	-959.7	-26	-7					
11TH	42.11									2650.7	-9172.8	491.1	143.8	[illegible]
		79.2	-282.5	109	290	728.9	-973.7	-38	-11					
12TH	45.77									2571.5	-8890.4	458.0	134.2	[illegible]
		80.5	-286.2	109	290	741.0	-986.5	-51	-14					
13TH	49.43									2491.0	-8604.2	426.0	125.0	[illegible]
		81.5	-289.3	109	290	750.6	-997.1	-65	-18					
14TH	53.09									2409.5	-8314.9	395.0	116.0	[illegible]
		82.6	-292.3	109	290	760.2	-1007.7	-78	-22					
15TH	56.75									2326.9	-8022.6	365.1	107.3	[illegible]
		83.6	-295.4	109	290	769.9	-1018.3	-91	-26					
16TH	60.41									2243.3	-7727.2	336.3	99.0	[illegible]
		84.7	-298.5	109	290	779.5	-1028.9	-103	-29					
17TH	64.07									2158.7	-7428.7	308.6	90.9	[illegible]
		85.7	-301.6	109	290	789.1	-1039.5	-116	-33					
18TH	67.73									2073.0	-7127.1	281.9	83.2	[illegible]
		86.7	-304.8	109	290	798.5	-1050.7	-122	-35					
19TH	71.39									1986.2	-6822.3	256.4	75.7	[illegible]
		87.7	-309.0	109	290	807.4	-1065.3	-118	-34					
20TH	75.05									1898.5	-6513.3	232.0	68.6	[illegible]
		88.7	-313.3	109	290	816.4	-1079.9	-114	-32					
21ST	78.71									1809.9	-6200.0	208.7	61.8	[illegible]
		89.6	-317.5	109	290	825.4	-1094.5	-111	-31					
22ND	82.37									1720.2	-5882.4	186.6	55.4	[illegible]
		90.6	-321.8	109	290	834.3	-1109.2	-107	-30					
23RD	86.03									1629.6	-5560.7	165.7	49.2	[illegible]
		91.6	-326.0	109	290	843.3	-1123.8	-103	-29					
24TH	89.69									1538.0	-5234.7	145.9	43.4	[illegible]
		92.8	-330.5	109	290	854.9	-1139.1	-100	-28					

TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER ONE : BASED ON AEROELASTIC DATA
WIND DIRECTION 210 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN)		AREA (SQ M)		PRESSURE (PA)		ECCEN (M)		SHEAR (KN)		MOMENT (MN-M)		
		X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	Z
25TH	93.35									1445.2	-4904.2	127.3	38.0	571.0
		94.8	-334.4	109	290	872.6	-1152.6	-102	-29					
26TH	97.01									1350.4	-4569.8	110.0	32.9	534.0
		96.7	-338.3	109	290	890.4	-1166.0	-105	-30					
27TH	100.68									1253.7	-4231.5	93.9	28.1	495.6
		98.6	-342.2	109	290	908.1	-1179.5	-107	-31					
28TH	104.34									1155.0	-3889.4	79.0	23.7	455.8
		100.6	-346.1	109	290	925.9	-1193.0	-110	-32					
29TH	108.00									1054.5	-3543.3	65.4	19.7	414.6
		102.5	-350.0	109	290	943.7	-1206.4	-112	-33					
30TH	111.66									952.0	-3193.3	53.1	16.0	371.9
		104.1	-353.6	109	290	958.6	-1218.9	-114	-34					
31ST	115.32									847.9	-2839.7	42.1	12.7	328.0
		104.5	-354.5	109	290	961.7	-1221.9	-111	-33					
32ND	118.98									743.4	-2485.2	32.3	9.8	285.1
		104.8	-355.2	109	290	964.9	-1224.4	-108	-32					
33RD	122.64									638.6	-2130.0	23.9	7.2	243.2
		105.1	-355.9	109	290	968.1	-1226.9	-105	-31					
34TH	126.30									533.5	-1774.1	16.7	5.1	202.5
		105.5	-356.7	109	290	971.2	-1229.4	-102	-30					
35TH	129.96									428.0	-1417.4	10.9	3.3	162.8
		105.8	-357 4	109	290	974.4	-1231.9	-99	-29					
36TH	133.62									322.2	-1060.1	6.3	2.0	124.2
		102.9	-352.1	109	290	947.5	-1213.7	-84	-24					
37TH	137.28									219.3	-707.9	3.1	1.0	92.3
		94.4	-313.1	109	290	868.8	-1079.4	-102	-31					
38TH	140.94									124.9	-394.8	1.1	.3	57.4
		124.9	-394.8	162	433	770.6	-912.0	-132	-42					
TOP	146.44									0.0	0.0	0.0	0.0	0.0

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TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER ONE : BASED ON AEROELASTIC DATA
WIND DIRECTION 220 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN) X	FORCE (KN) Y	AREA (SQ M) X	AREA (SQ M) Y	PRESSURE (PA) X	PRESSURE (PA) Y	ECCEN (M) X	ECCEN (M) Y	SHEAR (KN) X	SHEAR (KN) Y	MOMENT (MN-M) X	MOMENT (MN-M) Y	MOMENT (MN-M) Z
GRND	0.00	116.2	-443.8	163	436	712.1	-1018.4	2	1	3423.9	-12684.4	983.9	268.3	-1[illegible]
1ST	5.50	74.2	-281.3	109	290	683.1	-969.6	2	1	3307.7	-12240.6	915.4	249.8	-17.7
2ND	9.16	71.4	-269.7	109	290	657.8	-929.8	2	1	3233.6	-11959.3	871.1	237.8	-17.1
3RD	12.82	70.3	-264.5	109	290	647.2	-911.7	2	0	3162.1	-11689.6	827.8	226.1	-16.6
4TH	16.48	69.9	-267.3	109	290	643.6	-921.4	2	0	3091.8	-11425.1	785.5	214.7	-16.1
5TH	20.14	69.5	-270.1	109	290	640.1	-931.1	2	1	3021.9	-11157.8	744.2	203.5	-15.6
6TH	23.80	70.0	-273.1	109	290	644.7	-941.2	2	1	2952.4	-10887.7	703.8	192.5	-15.0
7TH	27.46	71.1	-275.0	109	290	654.3	-947.9	2	0	2882.4	-10614.7	664.5	181.8	-14.3
8TH	31.12	72.1	-276.9	109	290	663.9	-954.5	2	0	2811.3	-10339.7	626.1	171.4	-13.8
9TH	34.78	73.2	-278.8	109	290	673.5	-961.1	1	0	2739.2	-10062.8	588.8	161.3	-13.3
10TH	38.44	74.2	-280.7	109	290	683.1	-967.8	1	0	2666.0	-9783.9	552.4	151.4	-13.0
11TH	42.11	75.2	-282.7	109	290	692.7	-974.4	1	0	2591.8	-9503.2	517.1	141.7	-12.7
12TH	45.77	76.2	-284.9	109	290	701.9	-982.1	0	0	2516.6	-9220.5	482.9	132.4	-12.5
13TH	49.43	77.2	-288.3	109	290	710.6	-993.8	0	0	2440.4	-8935.6	449.6	123.3	-12.3
14TH	53.09	78.1	-291.7	109	290	719.3	-1005.5	0	0	2363.2	-8647.3	417.5	114.5	-12.2
15TH	56.75	79.1	-295.1	109	290	728.0	-1017.2	1	0	2285.1	-8355.6	386.3	106.0	-12.0
16TH	60.41	80.0	-298.5	109	290	736.7	-1028.9	1	0	2206.0	-8060.5	356.3	97.8	-11.8
17TH	64.07	81.0	-301.9	109	290	745.4	-1040.6	1	0	2126.0	-7762.0	327.3	89.9	-11.7
18TH	67.73	82.2	-305.8	109	290	757.3	-1054.1	1	0	2045.0	-7460.1	299.5	82.2	-11.5
19TH	71.39	84.0	-311.5	109	290	773.8	-1073.7	1	0	1962.8	-7154.3	272.7	74.9	-11.3
20TH	75.05	85.8	-317.2	109	290	790.4	-1093.3	1	0	1878.8	-6842.9	247.1	67.9	-11.1
21ST	78.71	87.6	-322.8	109	290	807.0	-1112.9	1	0	1792.9	-6525.7	222.6	61.2	-10.8
22ND	82.37	89.4	-328.5	109	290	823.6	-1132.4	1	0	1705.3	-6202.8	199.3	54.8	-10.4
23RD	86.03	91.2	-334.2	109	290	840.1	-1152.0	1	0	1615.8	-5874.3	177.2	48.7	-10.0
24TH	89.69	93.0	-339.9	109	290	856.7	-1171.5	1	0	1524.6	-5540.1	156.3	42.9	-9.6

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TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER ONE : BASED ON AEROELASTIC DATA

WIND DIRECTION 220 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN)		AREA (SQ M)		PRESSURE (PA)		ECCEN (M)		SHEAR (KN)		MOMENT (MN-M)		
		X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	Z
25TH	93.35									1431.5	-5200.3	136.7	37.5	-9.1
		94.8	-344.9	109	290	873.1	-1188.8	2	0					
26TH	97.01									1336.7	-4855.4	118.3	32.4	-8.5
		96.6	-349.9	109	290	889.5	-1206.2	2	0					
27TH	100.68									1240.1	-4505.5	101.1	27.7	-7.9
		98.4	-355.0	109	290	905.9	-1223.5	2	0					
28TH	104.34									1141.7	-4150.5	85.3	23.4	-7.2
		100.2	-360.0	109	290	922.2	-1240.9	2	0					
29TH	108.00									1041.5	-3790.5	70.8	19.4	-6.6
		101.9	-365.0	109	290	938.7	-1258.2	2	1					
30TH	111.66									939.6	-3425.5	57.5	15.8	-5.8
		103.4	-369.8	109	290	952.1	-1274 7	2	1					
31ST	115.32									836.2	-3055.7	45.7	12.5	-5.1
		103.5	-372.9	109	290	953.1	-1285.3	2	1					
32ND	118.98									732.7	-2682.8	35.2	9.6	-4.3
		103.6	-375.9	109	290	954.2	-1295.6	2	0					
33RD	122.64									629.0	-2307.0	26.0	7.1	-3.6
		103.7	-378.8	109	290	955.2	-1305.9	2	0					
34TH	126.30									525.3	-1928.1	18.3	5.0	-3.0
		103.9	-381.8	109	290	956.3	-1316.2	2	0					
35TH	129.96									421.4	-1546.3	11.9	3.3	-2.3
		104.0	-384.8	109	290	957.3	-1326.6	1	0					
36TH	133.62									317.4	-1161.5	7.0	1.9	-1.7
		101.1	-381.7	109	290	930.5	-1315.8	2	0					
37TH	137.28									216.4	-779.7	3.4	1.0	-1.0
		92.9	-342.3	109	290	855.4	-1179.9	1	0					
38TH	140.94									123.5	-437.5	1.2	.3	-.5
		123.5	-437.5	162	433	761.8	-1010.4	1	0					
TOP	146.44									0.0	0.0	0.0	0.0	0.0

TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER ONE : BASED ON AEROELASTIC DATA
WIND DIRECTION 230 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN) X	FORCE (KN) Y	AREA (SQ M) X	AREA (SQ M) Y	PRESSURE (PA) X	PRESSURE (PA) Y	ECCEN (M) X	ECCEN (M) Y	SHEAR (KN) X	SHEAR (KN) Y	MOMENT (MN-M) X	MOMENT (MN-M) Y	MOMENT (MN-M) Z
GRND	0.00									3249.4	-11366.7	911.5	256.7	-53.2
		111.7	-368.4	163	436	684.4	-845.4	4	1					
1ST	5.50									3137.8	-10998.3	850.1	239.1	-51.7
		70.9	-233.3	109	290	652.9	-804.1	4	1					
2ND	9:16									3066.8	-10765.0	810.2	227.8	-50.8
		68.1	-223.7	109	290	627.1	-771.0	3	1					
3RD	12.82									2998.7	-10541.3	771.2	216.7	-50.0
		67.0	-220.0	109	290	616.6	-758.3	3	1					
4TH	16.48									2931.8	-10321.3	733.0	205.8	-49.2
		66.6	-224.0	109	290	613.6	-772.0	3	1					
5TH	20.14									2865.1	-10097.4	695.7	195.2	-48.4
		66.3	-227.9	109	290	610.5	-785.7	4	1					
6TH	23.80									2798.8	-9869.5	659.1	184.8	-47.5
		66.5	-231.2	109	290	612.3	-797.0	4	1					
7TH	27.46									2732.3	-9638.3	623.4	174.7	-46.6
		67.0	-232.4	109	290	617.0	-801.2	4	1					
8TH	31.12									2665.3	-9405.9	588.6	164.8	-45.7
		67.5	-233.6	109	290	621.6	-805.3	3	1					
9TH	34.78									2597.8	-9172.2	554.6	155.2	-44.8
		68.0	-234.8	109	290	626.3	-809.5	3	1					
10TH	38.44									2529.7	-8937.4	521.4	145.8	-44.0
		68.5	-236.1	109	290	631.0	-813.7	3	1					
11TH	42.11									2461.2	-8701.3	489.1	136.7	-43.2
		69.0	-237.3	109	290	635.7	-817.9	3	1					
12TH	45.77									2392.2	-8464.0	457.7	127.8	-42.4
		69.8	-239.1	109	290	642.5	-824.3	3	1					
13TH	49.43									2322.4	-8224.9	427.2	119.2	-41.6
		70.8	-242.7	109	290	651.4	-836.6	3	1					
14TH	53.09									2251.6	-7982.2	397.5	110.8	-40.7
		71.7	-246.3	109	290	660.3	-849.0	3	1					
15TH	56.75									2179.9	-7735.9	368.7	102.7	-39.8
		72.7	-249.9	109	290	669.2	-861.4	4	1					
16TH	60.41									2107.2	-7486.0	340.9	94.8	-38.8
		73.6	-253.5	109	290	678.1	-873.8	4	1					
17TH	64.07									2033.6	-7232.5	313.9	87.3	-37.7
		74.6	-257.1	109	290	687.0	-886.1	4	1					
18TH	67.73									1959.0	-6975.5	287.9	80.0	-36.6
		76.0	-261.4	109	290	699.4	-901.2	4	1					
19TH	71.39									1883.0	-6714.0	262.9	72.9	-35.4
		77.9	-269.1	109	290	716.9	-927.5	4	1					
20TH	75.05									1805.1	-6445.0	238.8	66.2	-34.1
		79.8	-276.7	109	290	734.4	-953.7	5	1					
21ST	78.71									1725.4	-6168.3	215.7	59.7	-32.8
		81.7	-284.3	109	290	751.9	-980.0	5	1					
22ND	82.37									1643.7	-5884.0	193.6	53.6	-31.3
		83.6	-291.9	109	290	769.4	-1006.2	5	1					
23RD	86.03									1560.1	-5592.1	172.6	47.7	-29.8
		85.5	-299.5	109	290	787.0	-1032.4	5	1					
24TH	89.69									1474.7	-5292.6	152.7	42.1	-28.2
		87.4	-307.1	109	290	804.3	-1058.6	5	1					

TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER ONE : BASED ON AEROELASTIC DATA
WIND DIRECTION 230 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN) X	FORCE (KN) Y	AREA (SQ M) X	AREA (SQ M) Y	PRESSURE (PA) X	PRESSURE (PA) Y	ECCEN (M) X	ECCEN (M) Y	SHEAR (KN) X	SHEAR (KN) Y	MOMENT (MN-M) X	MOMENT (MN-M) Y	MOMENT (MN-M) Z
25TH	93.35									1387.3	-4985.5	133.9	36.9	-26.5
		89.2	-313.6	109	290	821.3	-1081.1	5	1					
26TH	97.01									1298.1	-4671.8	116.2	32.0	-24.8
		91.1	-320.2	109	290	838.4	-1103.7	5	1					
27TH	100.68									1207.0	-4351.7	99.7	27.4	-23.1
		92.9	-326.7	109	290	855.4	-1126.3	5	1					
28TH	104.34									1114.1	-4024.9	84.4	23.1	-21.3
		94.8	-333.3	109	290	872.4	-1148.8	5	1					
29TH	108.00									1019.4	-3691.6	70.3	19.2	-19.5
		96.6	-339.8	109	290	889.4	-1171.4	5	1					
30TH	111.66									922.8	-3351.8	57.4	15.7	-17.6
		98.3	-346.3	109	290	904.6	-1193.7	5	1					
31ST	115.32									824.5	-3005.5	45.7	12.5	-15.7
		99.1	-352.5	109	290	912.3	-1215.2	5	1					
32ND	118.98									725.5	-2653.0	35.4	9.6	-13.8
		99.9	-358.8	109	290	919.9	-1236.6	5	1					
33RD	122.64									625.5	-2294.2	26.3	7.2	-11.9
		100.7	-365.0	109	290	927.6	-1258.1	5	1					
34TH	126.30									524.8	-1929.3	18.6	5.1	-9.9
		101.6	-371.2	109	290	935.3	-1279.6	5	1					
35TH	129.96									423.2	-1558.0	12.2	3.3	-8.0
		102.4	-377.5	109	290	942.9	-1301.1	5	1					
36TH	133.62									320.8	-1180.6	7.2	2.0	-6.0
		100.4	-378.5	109	290	924.6	-1304.6	5	1					
37TH	137.28									220.4	-802.1	3.6	1.0	-3.9
		93.6	-346.0	109	290	861.3	-1192.8	5	1					
38TH	140.94									126.8	-456.1	1.3	.3	-2.2
		126.8	-456.1	162	433	782.5	-1053.5	4	1					
TOP	146.44									0.0	0.0	0.0	0.0	0.0

TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER ONE : BASED ON AEROELASTIC DATA

WIND DIRECTION 240 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN) X	FORCE (KN) Y	AREA (SQ M) X	AREA (SQ M) Y	PRESSURE (PA) X	PRESSURE (PA) Y	ECCEN (M) X	ECCEN (M) Y	SHEAR (KN) X	SHEAR (KN) Y	MOMENT (MN-M) X	MOMENT (MN-M) Y	MOMENT (MN-M) Z
GRND	0.00	126.5	-379.4	163	436	775.3	-870.7	4	1	2438.0	-10856.3	854.4	169.9	-77.0
1ST	5.50	79.8	-239.2	109	290	735.0	-824.5	4	1	2311.5	-10476.8	795.8	156.8	-75.3
2ND	9.16	76.7	-228.7	109	290	705.9	-788.4	4	1	2231.7	-10237.7	757.9	148.5	-74.3
3RD	12.82	74.4	-223.0	109	290	685.2	-768.6	4	1	2155.0	-10008.9	720.8	140.5	-73.2
4TH	16.48	72.6	-223.8	109	290	668.7	-771.5	5	1	2080.6	-9786.0	684.6	132.7	-72.2
5TH	20.14	70.8	-224.7	109	290	652.1	-774.5	5	2	2008.0	-9562.2	649.2	125.2	-71.1
6TH	23.80	69.1	-226.2	109	290	636.0	-779.8	5	2	1937.2	-9337.5	614.6	118.0	-69.9
7TH	27.46	67.4	-228.4	109	290	620.1	-787.5	5	2	1868.1	-9111.3	580.8	111.0	-68.6
8TH	31.12	65.6	-230.7	109	290	604.3	-795.2	6	2	1800.7	-8882.8	547.9	104.3	-67.3
9TH	34.78	63.9	-232.9	109	290	588.4	-802.8	6	2	1735.1	-8652.1	515.8	97.8	-65.9
10TH	38.44	62.2	-235.1	109	290	572.5	-810.5	6	2	1671.2	-8419.2	484.5	91.6	-64.4
11TH	42.11	60.5	-237.4	109	290	556.6	-818.2	6	2	1609.0	-8184.1	454.1	85.6	-62.9
12TH	45.77	59.0	-239.6	109	290	543.2	-826.0	6	2	1548.6	-7946.7	424.6	79.8	-61.4
13TH	49.43	57.8	-241.9	109	290	532.1	-833.9	7	2	1489.6	-7707.1	396.0	74.3	-59.7
14TH	53.09	56.6	-244.2	109	290	521.0	-841.9	7	2	1431.8	-7465.2	368.2	68.9	-58.0
15TH	56.75	55.4	-246.5	109	290	509.9	-849.8	7	2	1375.2	-7220.9	341.3	63.8	-56.3
16TH	60.41	54.2	-248.8	109	290	498.8	-857.7	7	2	1319.8	-6974.4	315.3	58.8	-54.4
17TH	64.07	53.0	-251.1	109	290	487.8	-865.6	8	2	1265.6	-6725.6	290.3	54.1	-52.5
18TH	67.73	52.2	-253.9	109	290	480.8	-875.3	8	2	1212.6	-6474.5	266.1	49.6	-50.5
19TH	71.39	52.1	-258.3	109	290	479.8	-890.4	8	2	1160.4	-6220.5	242.9	45.2	-48.5
20TH	75.05	52.0	-262.7	109	290	478.8	-905.5	8	2	1108.3	-5962.2	220.6	41.1	-46.4
21ST	78.71	51.9	-267.1	109	290	477.9	-920.6	8	2	1056.3	-5699.5	199.2	37.1	-44.2
22ND	82.37	51.8	-271.5	109	290	476.9	-935.7	8	2	1004.4	-5432.5	178.8	33.4	-42.0
23RD	86.03	51.7	-275.8	109	290	475.9	-950.9	8	2	952.6	-5161.0	159.5	29.8	-39.7
24TH	89.69	51.9	-280.5	109	290	477.7	-967.0	8	2	900.9	-4885.2	141.1	26.4	-37.3

TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER ONE : BASED ON AEROELASTIC DATA
WIND DIRECTION 240 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN)		AREA (SQ M)		PRESSURE (PA)		ECCEN (M)		SHEAR (KN)		MOMENT (MN-M)		
		X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	Z
25TH	93.35									849.0	-4604.6	123.7	23.2	-34.9
		52.8	-287.3	109	290	486.0	-990.4	8	2					
26TH	97.01									796.3	-4317.3	107.4	20.2	-32.4
		53.7	-294.1	109	290	494.2	-1013.8	8	1					
27TH	100.68									742.6	-4023.2	92.1	17.3	-29.9
		54.6	-300.9	109	290	502.5	-1037.3	8	1					
28TH	104.34									688.0	-3722.3	77.9	14.7	-27.4
		55.5	-307.7	109	290	510.7	-1060.7	8	1					
29TH	108.00									632.5	-3414.6	64.9	12.3	-24.8
		56.4	-314.5	109	290	519.0	-1084.1	8	1					
30TH	111.66									576.2	-3100.1	52.9	10.1	-22.2
		57.3	-321.5	109	290	527.8	-1108.1	8	1					
31ST	115.32									518.8	-2778.6	42.2	8.1	-19.6
		58.6	-327.2	109	290	539.2	-1127.8	8	1					
32ND	118.98									460.3	-2451.4	32.6	6.3	-17.1
		59.8	-332.7	109	290	550.6	-1146.9	7	1					
33RD	122.64									400.5	-2118.7	24.2	4.7	-14.5
		61.0	-338.3	109	290	561.9	-1166.1	7	1					
34TH	126.30									339.4	-1780.4	17.1	3.4	-12.0
		62.3	-343.8	109	290	573.3	-1185.2	7	1					
35TH	129.96									277.2	-1436.6	11.2	2.2	-9.5
		63.5	-349.4	109	290	584.7	-1204 3	7	1					
36TH	133.62									213.7	-1087.2	6.6	1.3	-7.1
		63.6	-351.2	109	290	585.4	-1210.6	7	1					
37TH	137.28									150.1	-736.0	3.3	.7	-4.6
		61.7	-319 2	109	290	567.7	-1100.3	6	1					
38TH	140.94									88.4	-416.8	1.1	.2	-2.5
		88.4	-416.8	162	433	545.6	-962.8	6	1					
TOP	146.44									0.0	0.0	0.0	0.0	0.0

TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER ONE : BASED ON AEROELASTIC DATA
WIND DIRECTION 250 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN) X	FORCE (KN) Y	AREA (SQ M) X	AREA (SQ M) Y	PRESSURE (PA) X	PRESSURE (PA) Y	ECCEN (M) X	ECCEN (M) Y	SHEAR (KN) X	SHEAR (KN) Y	MOMENT (MN-M) X	MOMENT (MN-M) Y	MOMENT (MN-M) Z
GRND	0.00									2999.6	-9325.5	726.3	186.7	-106.4
		185.0	-316.2	163	436	1134.2	-725.6	6	4					
1ST	5.50									2814.5	-9009.3	675.9	170.7	-103.7
		120.8	-202.0	109	290	1112.6	-696.3	7	4					
2ND	9.16									2693.7	-8807.3	643.3	160.6	-101.9
		116.0	-193.9	109	290	1067.9	-668.3	7	4					
3RD	12.82									2577.7	-8613.4	611.4	151.0	-100.1
		112.0	-190.2	109	290	1031.0	-655.6	7	4					
4TH	16.48									2465.7	-8423.2	580.3	141.7	-98.3
		108.4	-192.9	109	290	997.9	-665.1	8	4					
5TH	20.14									2357.3	-8230.3	549.8	132.9	-96.3
		104.8	-195.7	109	290	964.9	-674.5	8	5					
6TH	23.80									2252.5	-8034.6	520.0	124.5	-94.2
		100.9	-198.4	109	290	929.2	-683.8	9	5					
7TH	27.46									2151.6	-7836.3	491.0	116.4	-92.0
		96.9	-200.5	109	290	891.9	-691.2	9	4					
8TH	31.12									2054.8	-7635.7	462.6	108.7	-89.7
		92.8	-202.7	109	290	854.6	-698.7	9	4					
9TH	34.78									1961.9	-7433.0	435.1	101.3	-87.4
		88.8	-204.9	109	290	817.2	-706.2	10	4					
10TH	38.44									1873.2	-7228.2	408.2	94.3	-85.0
		84.7	-207.0	109	290	779.9	-713.6	10	4					
11TH	42.11									1788.5	-7021.2	382.1	87.6	-82.6
		80.7	-209.2	109	290	742.6	-721.1	10	4					
12TH	45.77									1707.8	-6812.0	356.8	81.2	-80.2
		77.6	-211.8	109	290	714.9	-730.1	10	4					
13TH	49.43									1630 2	-6600.2	332.3	75.1	-77.6
		75.6	-215.1	109	290	696.2	-741.4	11	4					
14TH	53.09									1554.5	-6385.1	308.5	69.3	-75.1
		73.6	-218.4	109	290	677.6	-752.7	11	4					
15TH	56.75									1481.0	-6166.7	285.5	63.7	-72.5
		71.6	-221.6	109	290	658.9	-764.0	11	4					
16TH	60.41									1409.4	-5945.1	263.4	58.4	-69.8
		69.5	-224.9	109	290	640.3	-775.3	11	3					
17TH	64.07									1339.8	-5720.2	242.0	53.4	-67.1
		67.5	-228.2	109	290	621.6	-786 6	11	3					
18TH	67.73									1272.3	-5492.0	221.5	48.6	-64.3
		65.7	-231.4	109	290	605.3	-797.6	11	3					
19TH	71.39									1206.6	-5260.6	201.8	44.1	-61.5
		64.3	-233.1	109	290	592.3	-803.6	11	3					
20TH	75.05									1142.3	-5027.5	183.0	39.8	-58.6
		62.9	-234.9	109	290	579.3	-809.7	12	3					
21ST	78.71									1079.3	-4792.6	165.0	35.7	-55.7
		61.5	-236.7	109	290	566.3	-815.8	12	3					
22ND	82.37									1017.8	-4555.9	147.9	31.9	-52.8
		60.1	-238.4	109	290	553.3	-821.9	12	3					
23RD	86.03									957.7	-4317.5	131.6	28.3	-49.7
		58.7	-240.2	109	290	540.4	-828.0	12	3					
24TH	89.69									899.0	-4077.3	116.3	24.9	-46.7
		57.9	-242.2	109	290	532.9	-835.0	12	3					

TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER ONE : BASED ON AEROELASTIC DATA
WIND DIRECTION 250 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN) X	FORCE (KN) Y	AREA (SQ M) X	AREA (SQ M) Y	PRESSURE (PA) X	PRESSURE (PA) Y	ECCEN (M) X	ECCEN (M) Y	SHEAR (KN) X	SHEAR (KN) Y	MOMENT (MN-M) X	MOMENT (MN-M) Y	MOMENT (MN-M) Z
25TH	93.35									841.2	-3835.0	101.8	21.7	-43.6
		58.4	-247.0	109	290	538.1	-851.5	12	3					
26TH	97.01									782.7	-3588.0	88.2	18.7	-40.4
		59.0	-251.8	109	290	543.3	-867.9	12	3					
27TH	100.68									723.7	-3336.2	75.5	16.0	-37.3
		59.6	-256.6	109	290	548.6	-884.4	12	3					
28TH	104.34									664.1	-3079.6	63.8	13.4	-34.0
		60.1	-261.3	109	290	553.8	-900.8	12	3					
29TH	108.00									604.0	-2818.3	53.0	11.1	-30.8
		60.7	-266.1	109	290	559.0	-917.3	12	3					
30TH	111.66									543.3	-2552.2	43.2	9.0	-27.5
		61.1	-270.9	109	290	563.0	-933.8	12	3					
31ST	115.32									482.1	-2281.3	34.3	7.1	-24.1
		61.0	-274.2	109	290	561.7	-945.3	11	3					
32ND	118.98									421.1	-2007.1	26.5	5.5	-20.8
		60.9	-277.4	109	290	560.3	-956.3	11	2					
33RD	122.64									360.3	-1729.6	19.6	4.0	-17.6
		60.7	-280.6	109	290	559.0	-967.3	11	2					
34TH	126.30									299.5	-1449.0	13.8	2.8	-14.5
		60.6	-283.8	109	290	557.7	-978.3	10	2					
35TH	129.96									239.0	-1165.2	9.0	1.8	-11.5
		60.4	-287.0	109	290	556.4	-989.3	10	2					
36TH	133.62									178.5	-878.2	5.3	1.1	-8.5
		58.2	-287.1	109	290	536.3	-989.5	10	2					
37TH	137.28									120.3	-591.1	2.6	.5	-5.6
		52.5	-258.5	109	290	483.7	-891.0	9	2					
38TH	140.94									67.8	-332.7	.9	.2	-3.1
		67.8	-332.6	162	433	418.1	-768.4	9	2					
TOP	146.44									0.0	0.0	0.0	0.0	0.0

TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER ONE : BASED ON AEROELASTIC DATA
WIND DIRECTION 260 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN) X	FORCE (KN) Y	AREA (SQ M) X	AREA (SQ M) Y	PRESSURE (PA) X	PRESSURE (PA) Y	ECCEN (M) X	ECCEN (M) Y	SHEAR (KN) X	SHEAR (KN) Y	MOMENT (MN-M) X	MOMENT (MN-M) Y	MOMENT (MN-M) Z
GRND	0.00									3134.8	-9263.3	713.4	134.9	-128.5
		238.4	-285.0	163	436	1461.1	-653.9	7	6					
1ST	5.50									2896.4	-8978.3	663.3	118.3	-125.1
		157.1	-184.5	109	290	1446.8	-635.9	7	6					
2ND	9.16									2739.3	-8793.9	630.8	108.0	-122.9
		157.6	-180.9	109	290	1451.0	-623.6	7	6					
3RD	12.82									2581.7	-8612.9	598.9	98.2	-120.6
		158.4	-182.6	109	290	1458.4	-629.3	7	6					
4TH	16.48									2423.3	-8430.4	567.7	89.1	-118.3
		159.4	-192.1	109	290	1467.5	-662.1	8	6					
5TH	20.14									2263.9	-8238.3	537.2	80.5	-115.8
		160.4	-201.6	109	290	1476.5	-694.9	8	6					
6TH	23.80									2103.5	-8036.7	507.4	72.5	-113.1
		156.8	-208.3	109	290	1443.7	-717.9	8	6					
7TH	27.46									1946.7	-7828.4	478.4	65.1	-110.3
		150.4	-211.1	109	290	1385.1	-727.6	9	6					
8TH	31.12									1796.3	-7617.4	450.1	58.2	-107.5
		144.1	-213.9	109	290	1326.5	-737.2	9	6					
9TH	34.78									1652.2	-7403.5	422.6	51.9	-104.7
		137.7	-216.7	109	290	1267.9	-746.9	10	6					
10TH	38.44									1514.5	-7186.8	395.9	46.1	-101.7
		131.3	-219.5	109	290	1209.3	-756.5	10	6					
11TH	42.11									1383.2	-6967.3	370.0	40.8	-98.8
		125.0	-222.3	109	290	1150.7	-766.2	10	6					
12TH	45.77									1258.2	-6745.1	344.9	36.0	-95.7
		118.6	-225.1	109	290	1092.1	-776.0	11	6					
13TH	49.43									1139.6	-6519.9	320.6	31.6	-92.7
		112.3	-228.3	109	290	1033.5	-787.0	11	5					
14TH	53.09									1027.3	-6291.6	297.2	27.6	-89.5
		105.9	-231.5	109	290	975.0	-797.9	12	5					
15TH	56.75									921.4	-6060.2	274.6	24.1	-86.3
		99.5	-234.7	109	290	916.4	-808.9	12	5					
16TH	60.41									821.9	-5825.5	252.8	20.9	-83.0
		93.2	-237.8	109	290	857.9	-819.8	12	5					
17TH	64.07									728.7	-5587.7	231.9	18.0	-79.6
		86.8	-241.0	109	290	799.3	-830.7	13	5					
18TH	67.73									641.9	-5346.7	211.9	15.5	-76.1
		79.8	-243.5	109	290	735.1	-839.4	13	4					
19TH	71.39									562.1	-5103.2	192.8	13.3	-72.6
		72.0	-242.8	109	290	662.5	-836.9	13	4					
20TH	75.05									490.1	-4860.4	174.5	11.4	-69.1
		64.1	-242.1	109	290	589.9	-834.4	14	4					
21ST	78.71									426.0	-4618.3	157.2	9.7	-65.5
		56.2	-241.4	109	290	517.3	-832.0	14	3					
22ND	82.37									369.9	-4376.9	140.7	8.2	-61.9
		48.3	-240.6	109	290	444.8	-829.5	14	3					
23RD	86.03									321.6	-4136.3	125.1	7.0	-58.3
		40.4	-239.9	109	290	372.2	-827.0	15	2					
24TH	89.69									281.1	-3896.4	110.4	5.9	-54.6
		34.2	-239.9	109	290	314.5	-827.0	15	2					

TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER ONE : BASED ON AEROELASTIC DATA
WIND DIRECTION 260 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN) X	FORCE (KN) Y	AREA (SQ M) X	AREA (SQ M) Y	PRESSURE (PA) X	PRESSURE (PA) Y	ECCEN (M) X	ECCEN (M) Y	SHEAR (KN) X	SHEAR (KN) Y	MOMENT (MN-M) X	MOMENT (MN-M) Y	MOMENT (MN-M) Z
25TH	93.35									247.[illegible]	-3656.5	96.6	4.[illegible]	-51.0
		31.7	-242.5	109	290	291.6	-835.7	15	2					
26TH	97.01									215.3	-3414.0	83.7	4.1	-47.3
		29.2	-245.0	109	290	268.6	-844.5	15	2					
27TH	100.68									186.1	-3169.0	71.6	3.3	-43.6
		26.7	-247.5	109	290	245.7	-853.2	15	2					
28TH	104.34									159.4	-2921.5	60.5	2.7	-39.9
		24.2	-250.1	109	290	222.7	-862.0	15	1					
29TH	108.00									135.2	-2671.5	50.2	2.2	-36.2
		21.7	-252.6	109	290	199.8	-870.7	15	1					
30TH	111.66									113.6	-2418.9	40.9	1.7	-32.4
		19.2	-255.2	109	290	177.0	-879.7	15	1					
31ST	115.32									94.3	-2163.7	32.5	1.3	-28.7
		16.9	-258.9	109	290	155.3	-892.3	14	1					
32ND	118.98									77.5	-1904.8	25.1	1.0	-25.0
		14.5	-262.6	109	290	133.5	-905.1	14	1					
33RD	122.64									63.0	-1642.2	18.6	.8	-21.3
		12.1	-266.3	109	290	111.8	-918.0	14	1					
34TH	126.30									50.8	-1375.9	13.1	.5	-17.6
		9.8	-270.0	109	290	90.1	-930.9	13	0					
35TH	129.96									41.0	-1105.9	8.5	.4	-14.0
		7.4	-273.8	109	290	68.3	-943.7	13	0					
36TH	133.62									33.6	-832.1	5.0	.2	-10.4
		6.8	-275.3	109	290	62.3	-949.1	13	0					
37TH	137.28									26.8	-556.8	2.4	.1	-6.9
		9.1	-245.6	109	290	83.4	-846.6	13	0					
38TH	140.94									17.8	-311.2	.9	.0	-3.9
		17.8	-311.2	162	433	109.7	-718.8	12	1					
TOP	146.44									0.0	0.0	0.0	0.0	0.0

TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER ONE : BASED ON AEROELASTIC DATA
WIND DIRECTION 270 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN) X	FORCE (KN) Y	AREA (SQ M) X	AREA (SQ M) Y	PRESSURE (PA) X	PRESSURE (PA) Y	ECCEN (M) X	ECCEN (M) Y	SHEAR (KN) X	SHEAR (KN) Y	MOMENT (MN-M) X	MOMENT (MN-M) Y	MOMENT (MN-M) Z
GRND	0.00									4521.1	-9694.1	792.5	331.0	-155.5
		128.9	-212.9	163	436	790.2	-488.6	11	7					
1ST	5.50									4392.2	-9481.2	739.7	306.5	-152.3
		89.8	-140.0	109	290	826.6	-482.5	12	7					
2ND	9.16									4302.4	-9341.3	705.3	290.6	-150.0
		96.6	-139.8	109	290	889.1	-481.9	12	8					
3RD	12.82									4205.8	-9201.5	671.4	275.1	-147.6
		102.2	-144.6	109	290	941.1	-498.4	12	8					
4TH	16.48									4103.6	-9056.9	637.9	259.8	-145.1
		107.3	-157.4	109	290	988.1	-542.6	12	8					
5TH	20.14									3996.3	-8899.5	605.1	245.0	-142.4
		112.4	-170.2	109	290	1035.2	-586.7	12	8					
6TH	23.80									3883.9	-8729.3	572.8	230.6	-139.5
		114.2	-180.4	109	290	1051.2	-622.0	12	8					
7TH	27.46									3769.7	-8548.8	541.2	216.6	-136.5
		113.8	-187.1	109	290	1048.0	-645.0	12	7					
8TH	31.12									3655.9	-8361.7	510.2	203.0	-133.4
		113.5	-193.8	109	290	1044.9	-668.0	12	7					
9TH	34.78									3542.4	-8167.9	480.0	189.8	-130.2
		113.2	-200.5	109	290	1041.8	-691.0	13	7					
10TH	38.44									3429.2	-7967.5	450.4	177.1	-126.8
		112.8	-207.1	109	290	1038.7	-714.0	13	7					
11TH	42.11									3316.4	-7760.3	421.7	164.7	-123.4
		112.5	-213.8	109	290	1035.6	-737.0	13	7					
12TH	45.77									3203.9	-7546.5	393.6	152.8	-119.8
		113.4	-220.8	109	290	1044.4	-761.0	13	7					
13TH	49.43									3090.5	-7325.7	366.4	141.3	-116.1
		115.6	-227.3	109	290	1064.6	-783.6	13	7					
14TH	53.09									2974.9	-7098.4	340.0	130.2	-112.4
		117.8	-233.9	109	290	1084.8	-806.3	13	7					
15TH	56.75									2857.1	-6864.5	314.5	119.5	-108.5
		120.0	-240.5	109	290	1105.0	-829.0	13	7					
16TH	60.41									2737.0	-6624.0	289.8	109.2	-104.5
		122.2	-247.1	109	290	1125.2	-851.6	13	7					
17TH	64.07									2614.8	-6376.9	266.0	99.4	-100.5
		124.4	-253.6	109	290	1145.5	-874.3	13	6					
18TH	67.73									2490.4	-6123.3	243.1	90.1	-96.3
		126.8	-260.0	109	290	1167.2	-896.1	13	6					
19TH	71.39									2363.6	-5863.3	221.2	81.2	-92.1
		129.4	-264.3	109	290	1191.2	-911.0	13	6					
20TH	75.05									2234.3	-5599.1	200.2	72.8	-87.9
		132.0	-268.6	109	290	1215.2	-926.0	13	6					
21ST	78.71									2102.3	-5330.4	180.2	64.9	-83.5
		134.6	-273.0	109	290	1239.2	-940.9	13	6					
22ND	82.37									1967.7	-5057.5	161.2	57.4	-79.1
		137.2	-277.3	109	290	1263.2	-955.9	13	6					
23RD	86.03									1830.5	-4780.2	143.2	50.5	-74.7
		139.8	-281.6	109	290	1287.2	-970.8	13	6					
24TH	89.69									1690.7	-4498.5	126.2	44.0	-70.1
		139.8	-285.2	109	290	1287.6	-983.0	13	6					

TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER ONE : BASED ON AEROELASTIC DATA
WIND DIRECTION 270 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN) X	FORCE (KN) Y	AREA (SQ M) X	AREA (SQ M) Y	PRESSURE (PA) X	PRESSURE (PA) Y	ECCEN (M) X	ECCEN (M) Y	SHEAR (KN) X	SHEAR (KN) Y	MOMENT (MN-M) X	MOMENT (MN-M) Y	MOMENT (MN-M) Z
25TH	93.35									1550.8	-4213.4	110.2	38.1	-65.6
		133.9	-287.0	109	290	1232.9	-989.1	13	6					
26TH	97.01									1416.9	-3926.4	95.3	32.7	-60.9
		128.0	-288.7	109	290	1178.3	-995.3	13	6					
27TH	100.68									1288.9	-3637.7	81.5	27.7	-56.3
		122.0	-290.5	109	290	1123.6	-1001.5	14	6					
28TH	104.34									1166.9	-3347.1	68.7	23.2	-51.6
		116.1	-292.3	109	290	1069.0	-1007.7	14	6					
29TH	108.00									1050.8	-3054.8	57.0	19.1	-46.9
		110.2	-294.1	109	290	1014.3	-1013.9	14	5					
30TH	111.66									940.7	-2760.7	46.3	15.5	-42.1
		105.4	-296.4	109	290	970.7	-1021.6	14	5					
31ST	115.32									835.2	-2464.3	36.8	12.3	-37.3
		105.6	-299.7	109	290	972.7	-1033.2	14	5					
32ND	118.98									729.6	-2164.6	28.3	9.4	-32.5
		105.9	-303.0	109	290	974.8	-1044.5	14	5					
33RD	122.64									623.7	-1861.6	20.9	6.9	-27.8
		106.1	-306.3	109	290	976.8	-1055.9	14	5					
34TH	126.30									517.6	-1555.3	14.7	4.8	-23.1
		106.3	-309.6	109	290	978.8	-1067.3	14	5					
35TH	129.96									411.3	-1245.6	9.5	3.1	-18.4
		106.5	-312.9	109	290	980.9	-1078.7	13	5					
36TH	133.62									304.8	-932.7	5.6	1.8	-13.7
		102.3	-311.7	109	290	941.6	-1074.5	13	4					
37TH	137.28									202.5	-621.0	2.7	.9	-9.1
		90.2	-275.9	109	290	830.8	-951.0	13	4					
38TH	140.94									112.3	-345.1	.9	.3	-5.1
		112.3	-345.1	162	433	692.7	-797.1	13	4					
TOP	146.44									0.0	0.0	0.0	0.0	0.0

TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER ONE : BASED ON AEROELASTIC DATA
WIND DIRECTION 280 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN) X	FORCE (KN) Y	AREA (SQ M) X	AREA (SQ M) Y	PRESSURE (PA) X	PRESSURE (PA) Y	ECCEN (M) X	ECCEN (M) Y	SHEAR (KN) X	SHEAR (KN) Y	MOMENT (MN-M) X	MOMENT (MN-M) Y	MOMENT (MN-M) Z
GRND	0.00									109.3	-9757.0	834.6	43.3	-156.6
		-75.3	-143.6	163	436	-461.7	-329.5	18	-9					
1ST	5.50									184.6	-9613.4	781.3	42.7	-153.4
		-50.9	-93.8	109	290	-468.4	-323.2	19	-10					
2ND	9.16									235.5	-9519.7	746.3	41.9	-151.1
		-46.7	-93.8	109	290	-430.0	-323.4	21	-10					
3RD	12.82									282.2	-9425.9	711.6	41.0	-148.7
		-45.0	-99.4	109	290	-414.5	-342.7	22	-10					
4TH	16.48									327.2	-9326.5	677.3	39.9	-146.1
		-44.5	-114.3	109	290	-410.0	-394.0	21	-8					
5TH	20.14									371.7	-9212.2	643.3	38.6	-143.3
		-44.1	-129.2	109	290	-405.6	-445.4	21	-7					
6TH	23.80									415.8	-9083.0	609.9	37.1	-140.2
		-40.7	-143.8	109	290	-375.1	-495.8	21	-6					
7TH	27.46									456.5	-8939.1	576.9	35.5	-137.0
		-35.7	-156.1	109	290	-328.5	-538.1	21	-5					
8TH	31.12									492.2	-8783.0	544.4	33.8	-133.6
		-30.6	-168.4	109	290	-282.0	-580.4	20	-4					
9TH	34.78									522.8	-8614.6	512.6	32.0	-130.1
		-25.6	-180.7	109	290	-235.4	-622.8	20	-3					
10TH	38.44									548.4	-8434.0	481.4	30.0	-126.4
		-20.5	-192.9	109	290	-188.8	-665.1	20	-2					
11TH	42.11									568.9	-8241.0	450.9	27.9	-122.6
		-15.4	-205.2	109	290	-142.2	-707.4	19	-1					
12TH	45.77									584.3	-8035.8	421.1	25.8	-118.6
		-9.0	-217.4	109	290	-83.2	-749.3	19	-1					
13TH	49.43									593.3	-7818.4	392.1	23.7	-114.5
		-1.3	-228.1	109	290	-12.4	-786.2	18	-0					
14TH	53.09									594.6	-7590.4	363.9	21.5	-110.4
		6.3	-238.8	109	290	58.4	-823.0	17	0					
15TH	56.75									588.3	-7351.6	336.5	19.3	-106.2
		14.0	-249.5	109	290	129.3	-859.9	17	1					
16TH	60.41									574.3	-7102.2	310.1	17.2	-102.0
		21.7	-260.2	109	290	200.1	-896.8	16	1					
17TH	64.07									552.6	-6842.0	284.5	15.2	-97.7
		29.4	-270.8	109	290	271.0	-933.6	16	2					
18TH	67.73									523.2	-6571.2	260.0	13.2	-93.4
		34.5	-280.3	109	290	317.5	-966.1	15	2					
19TH	71.39									488.7	-6290.9	236.4	11.3	-89.0
		35.7	-285.2	109	290	328.6	-983.0	15	2					
20TH	75.05									453.0	-6005.7	213.9	9.6	-84.6
		36.9	-290.1	109	290	339.7	-999.9	15	2					
21ST	78.71									416.1	-5715.6	192.5	8.0	-80.3
		38.1	-295.0	109	290	350.7	-1016.8	15	2					
22ND	82.37									378.0	-5420.6	172.1	6.6	-75.9
		39.3	-299.9	109	290	361.8	-1033.7	14	2					
23RD	86.03									338.7	-5120.8	152.8	5.3	-71.5
		40.5	-304.8	109	290	372.9	-1050.6	14	2					
24TH	89.69									298.2	-4816.0	134.6	4.1	-67.0
		40.8	-309.3	109	290	376.1	-1066.3	14	2					

TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER ONE : BASED ON AEROELASTIC DATA
WIND DIRECTION 280 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN) X	FORCE (KN) Y	AREA (SQ M) X	AREA (SQ M) Y	PRESSURE (PA) X	PRESSURE (PA) Y	ECCEN (M) X	ECCEN (M) Y	SHEAR (KN) X	SHEAR (KN) Y	MOMENT (MN-M) X	MOMENT (MN-M) Y	MOMENT (MN-M) Z
25TH	93.35									257.4	-4506.7	117.5	3.1	-62.6
		39.2	-311.5	109	290	361.0	-1073.9	14	2					
26TH	97.01									218.2	-4195.1	101.6	2.2	-58.2
		37.6	-313.8	109	290	346.0	-1081.6	14	2					
27TH	100.68									180.6	-3881.3	86.8	1.5	-53.7
		35.9	-316.0	109	290	330.9	-1089.2	14	2					
28TH	104.34									144.6	-3565.3	73.2	.9	-49.1
		34.3	-318.2	109	290	315.9	-1096.9	14	2					
29TH	108.00									110.3	-3247.1	60.7	.4	-44.5
		32.7	-320.4	109	290	300.8	-1104.6	14	1					
30TH	111.66									77.7	-2926.7	49.4	.1	-39.9
		30.3	-322.5	109	290	279.0	-1111.5	14	1					
31ST	115.32									47.4	-2604.2	39.3	-.2	-35.3
		24.9	-321.2	109	290	229.2	-1107.3	14	1					
32ND	118.98									22.5	-2283.0	30.4	-.3	-30.6
		19.5	-319.8	109	290	179.3	-1102.4	14	1					
33RD	122.64									3.0	-1963.2	22.6	-.3	-26.0
		14.1	-318.4	109	290	129.5	-1097.5	14	1					
34TH	126.30									-11.1	-1644.8	16.0	-.3	-21.4
		8.7	-316.9	109	290	79.7	-1092.5	14	0					
35TH	129.96									-19.7	-1327.8	10.6	-.3	-16.9
		3.2	-315.5	109	290	29.9	-1087.6	14	0					
36TH	133.62									-23.0	-1012.3	6.3	-.2	-12.4
		-1.6	-312.7	109	290	-15.1	-1077.9	14	-0					
37TH	137.28									-21.3	-699.6	3.1	-.1	-7.9
		-5.6	-294.4	109	290	-51.6	-1014.7	13	-0					
38TH	140.94									-15.7	-405.3	1.1	-.0	-4.2
		-15.7	-405.3	162	433	-97.0	-936.1	10	-0					
TOP	146.44									0.0	0.0	0.0	0.0	0.0

TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER ONE : BASED ON AEROELASTIC DATA
WIND DIRECTION 290 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN) X	FORCE (KN) Y	AREA (SQ M) X	AREA (SQ M) Y	PRESSURE (PA) X	PRESSURE (PA) Y	ECCEN (M) X	ECCEN (M) Y	SHEAR (KN) X	SHEAR (KN) Y	MOMENT (MN-M) X	MOMENT (MN-M) Y	MOMENT (MN-M) Z
GRND	0.00									-1908.7	-11188.9	968.9	-135.0	-146.6
		-93.9	-86.9	163	436	-575.6	-199.5	23	-25					
1ST	5.50									-1814.8	-11102.0	907.6	-124.8	-142.3
		-58.8	-66.8	109	290	-541.7	-230.2	27	-24					
2ND	9.16									-1756.0	-11035.2	867.1	-118.2	-139.1
		-56.7	-72.7	109	290	-522.1	-250.6	30	-23					
3RD	12.82									-1699.3	-10962.5	826.8	-111.9	-135.7
		-55.9	-83.0	109	290	-515.1	-286.2	30	-20					
4TH	16.48									-1643.3	-10879.5	786.8	-105.8	-132.0
		-55.9	-102.2	109	290	-514.3	-352.3	30	-16					
5TH	20.14									-1587.5	-10777.3	747.2	-99.9	-128.1
		-55.8	-121.4	109	290	-513.5	-418.5	29	-13					
6TH	23.80									-1531.7	-10655.8	708.0	-94.2	-123.9
		-54.6	-142.2	109	290	-503.0	-490.3	27	-10					
7TH	27.46									-1477.0	-10513.6	669.2	-88.7	-119.5
		-52.8	-163.5	109	290	-486.5	-563.6	24	-8					
8TH	31.12									-1424.2	-10350.1	631.0	-83.4	-115.2
		-51.0	-184.8	109	290	-470.0	-636.8	22	-6					
9TH	34.78									-1373.2	-10165.4	593.5	-78.2	-110.8
		-49.3	-206.0	109	290	-453.5	-710.1	20	-5					
10TH	38.44									-1323.9	-9959.4	556.6	-73.3	-106.4
		-47.5	-227.3	109	290	-437.0	-783.4	19	-4					
11TH	42.11									-1276.5	-9732.1	520.6	-68.6	-102.0
		-45.7	-248.5	109	290	-420.4	-856.7	17	-3					
12TH	45.77									-1230.8	-9483.6	485.4	-64.0	-97.5
		-44.4	-267.8	109	290	-408.5	-923.2	16	-3					
13TH	49.43									-1186.4	-9215.8	451.2	-59.5	-93.1
		-43.5	-282.1	109	290	-400.8	-972.4	15	-2					
14TH	53.09									-1142.9	-8933.6	418.0	-55.3	-88.8
		-42.7	-296.4	109	290	-393.2	-1021.7	14	-2					
15TH	56.75									-1100.2	-8637.2	385.8	-51.2	-84.6
		-41.9	-310.7	109	290	-385.5	-1071.0	13	-2					
16TH	60.41									-1058.3	-8326.6	354.8	-47.2	-80.5
		-41.0	-325.0	109	290	-377.8	-1120.3	12	-2					
17TH	64.07									-1017.3	-8001.6	324.9	-43.4	-76.4
		-40.2	-339.3	109	290	-370.2	-1169.5	11	-1					
18TH	67.73									-977.1	-7662.3	296.2	-39.8	-72.5
		-39.9	-351.8	109	290	-367.3	-1212.5	11	-1					
19TH	71.39									-937.2	-7310.5	268.8	-36.3	-68.6
		-40.3	-355.3	109	290	-371.4	-1224.8	10	-1					
20TH	75.05									-896.8	-6955.2	242.7	-32.9	-64.9
		-40.8	-358.9	109	290	-375.4	-1237.1	10	-1					
21ST	78.71									-856.1	-6596.3	217.9	-29.7	-61.2
		-41.2	-362.4	109	290	-379.5	-1249.3	10	-1					
22ND	82.37									-814.8	-6233.9	194.4	-26.6	-57.7
		-41.7	-366.0	109	290	-383.6	-1261.6	9	-1					
23RD	86.03									-773.2	-5867.9	172.3	-23.7	-54.2
		-42.1	-369.5	109	290	-387.7	-1273.9	9	-1					
24TH	89.69									-731.1	-5498.4	151.5	-21.0	-50.9
		-42.7	-372.7	109	290	-393.5	-1284.6	9	-1					

TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER ONE : BASED ON AEROELASTIC DATA
WIND DIRECTION 290 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN)		AREA (SQ M)		PRESSURE (PA)		ECCEN (M)		SHEAR (KN)		MOMENT (MN-M)		
		X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	Z
25TH	93.35									-688.3	-5125.7	132.0	-18.4	-47.6
		-43.8	-371.9	109	290	-403.6	-1282.1	9	-1					
26TH	97.01									-644.5	-4753.8	113.9	-15.9	-44.3
		-44.9	-371.2	109	290	-413.7	-1279.5	9	-1					
27TH	100.68									-599.6	-4382.6	97.2	-13.7	-41.0
		-46.0	-370.5	109	290	-423.8	-1277.0	9	-1					
28TH	104.34									-553.5	-4012.1	81.8	-11.6	-37.7
		-47.1	-369.7	109	290	-433.8	-1274.5	9	-1					
29TH	108.00									-506.4	-3642.4	67.8	-9.6	-34.3
		-48.2	-369.0	109	290	-443.9	-1271.9	9	-1					
30TH	111.66									-458.2	-3273.4	55.2	-7.9	-30.9
		-49.1	-368.6	109	290	-452.1	-1270.4	9	-1					
31ST	115.32									-409.1	-2904.8	43.9	-6.3	-27.5
		-49.1	-364.2	109	290	-452.4	-1255.4	10	-1					
32ND	118.98									-360.0	-2540.6	33.9	-4.9	-23.9
		-49.2	-359.4	109	290	-452.7	-1238.8	10	-1					
33RD	122.64									-310.8	-2181.2	25.3	-3.6	-20.3
		-49.2	-354.6	109	290	-453.0	-1222.2	11	-1					
34TH	126.30									-261.6	-1826.7	17.9	-2.6	-16.5
		-49.2	-349.7	109	290	-453.3	-1205.5	11	-2					
35TH	129.96									-212.4	-1477.0	11.9	-1.7	-12.5
		-49.3	-344.9	109	290	-453.6	-1188.9	12	-2					
36TH	133.62									-163.1	-1132.0	7.1	-1.0	-8.5
		-48.7	-340.1	109	290	-448.4	-1172.3	12	-2					
37TH	137.28									-114.4	-791.9	3.6	-.5	-4.4
		-47.1	-327.3	109	290	-433.7	-1128.2	8	-1					
38TH	140.94									-67.3	-464.6	1.3	-.2	-1.7
		-67.3	-464.6	162	433	-415.3	-1073.2	4	-1					
TOP	146.44									0.0	0.0	0.0	0.0	0.0

TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER ONE : BASED ON AEROELASTIC DATA
WIND DIRECTION 300 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN)		AREA (SQ M)		PRESSURE (PA)		ECCEN (M)		SHEAR (KN)		MOMENT (MN-M)		
		X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	Z
GRND	0.00									-2355.5	-9014.7	793.0	-173.6	-85.2
		-98.0	-15.3	163	436	-600.7	-35.0	20	-128					
1ST	5.50									-2257.5	-8999.4	743.4	-160.9	-72.3
		-61.3	-32.4	109	290	-564.5	-111.5	62	-117					
2ND	9.16									-2196.2	-8967.1	710.6	-152.8	-63.1
		-59.4	-47.5	109	290	-547.1	-163.6	80	-100					
3RD	12.82									-2136.8	-8919.6	677.8	-144.8	-53.4
		-59.1	-60.7	109	290	-544.1	-209.2	82	-80					
4TH	16.48									-2077.7	-8858.9	645.3	-137.1	-43.7
		-59.5	-74.4	109	290	-548.1	-256.5	78	-62					
5TH	20.14									-2018.2	-8784.5	613.0	-129.6	-34.2
		-60.0	-88.2	109	290	-552.1	-303.9	72	-49					
6TH	23.80									-1958.2	-8696.3	581.0	-122.4	-24.9
		-59.4	-105.4	109	290	-547.2	-363.3	65	-36					
7TH	27.46									-1898.8	-8590.9	549.3	-115.3	-15.9
		-58.3	-126.6	109	290	-536.8	-436.3	55	-25					
8TH	31.12									-1840.5	-8464.4	518.1	-108.5	-7.5
		-57.2	-147.7	109	290	-526.4	-509.2	47	-18					
9TH	34.78									-1783.3	-8316.6	487.4	-101.8	.5
		-56.0	-168.9	109	290	-516.0	-582.2	39	-13					
10TH	38.44									-1727.2	-8147.7	457.3	-95.4	7.8
		-54.9	-190.1	109	290	-505.5	-655.1	33	-10					
11TH	42.11									-1672.3	-7957.7	427.8	-89.2	14.7
		-53.8	-211.2	109	290	-495.1	-728.1	28	-7					
12TH	45.77									-1618.6	-7746.5	399.1	-83.2	21.0
		-53.4	-228.5	109	290	-491.2	-787.7	23	-5					
13TH	49.43									-1565.2	-7518.0	371.1	-77.3	26.6
		-53.6	-236.5	109	290	-493.6	-815.4	19	-4					
14TH	53.09									-1511.6	-7281.4	344.0	-71.7	31.2
		-53.9	-244.6	109	290	-495.9	-843.0	15	-3					
15TH	56.75									-1457.7	-7036.9	317.8	-66.3	35.0
		-54.1	-252.6	109	290	-498.2	-870.7	11	-2					
16TH	60.41									-1403.6	-6784.3	292.5	-61.0	37.9
		-54.4	-260.6	109	290	-500.6	-898.4	7	-2					
17TH	64.07									-1349.3	-6523.7	268.2	-56.0	39.9
		-54.6	-268.7	109	290	-502.9	-926.1	4	-1					
18TH	67.73									-1294.6	-6255.0	244.8	-51.1	41.0
		-55.1	-275.8	109	290	-507.3	-950.9	1	-0					
19TH	71.39									-1239.5	-5979.1	222.4	-46.5	41.3
		-55.9	-279.6	109	290	-514.8	-963.8	-1	0					
20TH	75.05									-1183.6	-5699.5	201.0	-42.1	41.0
		-56.7	-283.4	109	290	-522.3	-976.7	-3	1					
21ST	78.71									-1126.9	-5416.2	180.7	-37.8	40.0
		-57.5	-287.1	109	290	-529.8	-989.7	-5	1					
22ND	82.37									-1069.3	-5129.1	161.4	-33.8	38.4
		-58.4	-290.9	109	290	-537.3	-1002.6	-7	1					
23RD	86.03									-1011.0	-4838.2	143.1	-30.0	36.2
		-59.2	-294.6	109	290	-544.8	-1015.5	-9	2					
24TH	89.69									-951.8	-4543.6	126.0	-26.4	33.4
		-60.0	-298.2	109	290	-552.8	-1027.8	-11	2					

TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER ONE : BASED ON AEROELASTIC DATA
WIND DIRECTION 300 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN) X	FORCE (KN) Y	AREA (SQ M) X	AREA (SQ M) Y	PRESSURE (PA) X	PRESSURE (PA) Y	ECCEN (M) X	ECCEN (M) Y	SHEAR (KN) X	SHEAR (KN) Y	MOMENT (MN-M) X	MOMENT (MN-M) Y	MOMENT (MN-M) Z
25TH	93.35									-891.8	-4245.5	109.9	-23.0	[illegible]
		-61.0	-300.0	109	290	-561.9	-1034.2	-11	2					
26TH	97.01									-830.7	-3945.4	94.9	-19.9	[illegible]
		-62.0	-301.9	109	290	-570.9	-1040.7	-10	2					
27TH	100.68									-768.7	-3643.5	81.0	-17.0	[illegible]
		-63.0	-303.8	109	290	-580.0	-1047.1	-10	2					
28TH	104.34									-705.7	-3339.8	68.2	-14.3	[illegible]
		-64.0	-305.6	109	290	-589.1	-1053.5	-10	2					
29TH	108.00									-641.8	-3034.1	56.5	-11.8	[illegible]
		-65.0	-307.5	109	290	-598.1	-1060.0	-10	2					
30TH	111.66									-576.8	-2726.6	46.0	-9.6	[illegible]
		-65.6	-310.0	109	290	-604.4	-1068.5	-9	2					
31ST	115.32									-511.1	-2416.7	36.6	-7.6	[illegible]
		-65.1	-305.2	109	290	-599.2	-1051.9	-7	2					
32ND	118.98									-446.1	-2111.5	28.3	-5.8	[illegible]
		-64.5	-299.5	109	290	-593.9	-1032.3	-5	1					
33RD	122.64									-381.6	-1812.0	21.1	-4.3	[illegible]
		-63.9	-293.8	109	290	-588.7	-1012.6	-2	0					
34TH	126.30									-317.6	-1518.3	15.0	-3.0	[illegible]
		-63.4	-288.1	109	290	-583.4	-993.0	0	-0					
35TH	129.96									-254.3	-1230.2	10.0	-2.0	[illegible]
		-62.8	-282.4	109	290	-578.2	-973.3	3	-1					
36TH	133.62									-191.5	-947.9	6.0	-1.2	[illegible]
		-60.7	-279.2	109	290	-558.9	-962.3	6	-1					
37TH	137.28									-130.8	-668.7	3.0	-.6	[illegible]
		-56.0	-272.9	109	290	-515.5	-940.8	-5	1					
38TH	140.94									-74.8	-395.8	1.1	-.2	[illegible]
		-74.8	-395.8	162	433	-461.3	-914.1	-19	4					
TOP	146.44									0.0	0.0	0.0	0.0	0.0

TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER ONE : BASED ON AEROELASTIC DATA

WIND DIRECTION 310 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN) X	FORCE (KN) Y	AREA (SQ M) X	AREA (SQ M) Y	PRESSURE (PA) X	PRESSURE (PA) Y	ECCEN (M) X	ECCEN (M) Y	SHEAR (KN) X	SHEAR (KN) Y	MOMENT (MN-M) X	MOMENT (MN-M) Y	MOMENT (MN-M) Z
GRND	0.00									-2666.9	-5967.[illegible]	639.[illegible]	-201.0	80.1
		-102.3	266.3	163	436	-627.3	611.2	-3	-1					
1ST	5.50									-2564.5	-6234.2	606.3	-186.6	81.0
		-63.7	145.1	109	290	-586.8	500.3	-3	-1					
2ND	9.16									-2500.8	-6379.4	583.3	-177.4	81.6
		-61.2	124.3	109	290	-563.7	428.4	-4	-2					
3RD	12.82									-2439.6	-6563.7	559.7	-168.3	82.2
		-60.9	105.2	109	290	-561.2	362.6	-3	-2					
4TH	16.48									-2378.6	-6608.8	535.7	-159.5	82.6
		-61.8	77.6	109	290	-568.6	267.5	-2	-2					
5TH	20.14									-2316.9	-6686.4	511.3	-150.9	82.9
		-62.6	50.0	109	290	-576.0	172.5	-1	-1					
6TH	23.80									-2254.3	-6736.5	486.8	-142.5	82.9
		-62.6	21.2	109	290	-576.3	73.0	1	2					
7TH	27.46									-2191.7	-6757.7	462.1	-134.4	82.8
		-62.2	-4.8	109	290	-572.2	-16.7	-0	5					
8TH	31.12									-2129.5	-6752.8	437.4	-126.5	82.5
		-61.7	-30.9	109	290	-568.1	-106.4	-3	7					
9TH	34.78									-2067.8	-6721.9	412.7	-118.8	82.0
		-61.3	-56.9	109	290	-564.1	-196.1	-6	7					
10TH	38.44									-2006.6	-6665.0	388.2	-111.3	81.2
		-60.8	-82.9	109	290	-560.0	-285.9	-8	6					
11TH	42.11									-1945.8	-6582.1	363.9	-104.1	80.3
		-60.4	-109.0	109	290	-555.9	-375.6	-8	5					
12TH	45.77									-1885.4	-6473.1	340.0	-97.1	79.1
		-60.5	-131.8	109	290	-556.9	-454.5	-9	4					
13TH	49.43									-1824.9	-6341.3	316.6	-90.3	77.7
		-61.1	-151.1	109	290	-562.8	-520.9	-9	4					
14TH	53.09									-1763.8	-6190.2	293.7	-83.7	76.2
		-61.8	-170.4	109	290	-568.6	-587.2	-9	3					
15TH	56.75									-1702.0	-6019.8	271.3	-77.4	74.4
		-62.4	-189.6	109	290	-574.5	-653.6	-9	3					
16TH	60.41									-1639.6	-5830.2	249.6	-71.3	72.6
		-63.0	-208.9	109	290	-580.4	-720.0	-9	3					
17TH	64.07									-1576.6	-5621.3	228.7	-65.4	70.5
		-63.7	-228.1	109	290	-586.2	-786.4	-9	3					
18TH	67.73									-1512.9	-5393.2	208.5	-59.7	68.3
		-64.5	-245.0	109	290	-593.6	-844.7	-9	2					
19TH	71.39									-1448.4	-5148.1	189.2	-54.3	65.9
		-65.5	-249.1	109	290	-603.2	-858.7	-10	3					
20TH	75.05									-1382.9	-4899.0	170.8	-49.1	63.4
		-66.6	-253.2	109	290	-612.8	-872.8	-10	3					
21ST	78.71									-1316.4	-4645.8	153.3	-44.2	60.7
		-67.6	-257.3	109	290	-622.4	-886.8	-10	3					
22ND	82.37									-1248.8	-4388.6	136.8	-39.5	57.8
		-68.6	-261.3	109	290	-632.0	-900.8	-11	3					
23RD	86.03									-1180.1	-4127.3	121.2	-35.1	54.8
		-69.7	-265.4	109	290	-641.6	-914.8	-11	3					
24TH	89.69									-1110.4	-3861.9	106.6	-30.9	51.6
		-70.7	-269.4	109	290	-650.8	-928.7	-12	3					

TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER ONE : BASED ON AEROELASTIC DATA
WIND DIRECTION 310 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN) X	FORCE (KN) Y	AREA (SQ M) X	AREA (SQ M) Y	PRESSURE (PA) X	PRESSURE (PA) Y	ECCEN (M) X	ECCEN (M) Y	SHEAR (KN) X	SHEAR (KN) Y	MOMENT (MN-M) X	MOMENT (MN-M) Y	MOMENT (MN-M) Z
25TH	93.35									-1039.7	-3592.4	93.6	-26.9	48.3
		-71.5	-267.3	109	290	-658.8	-921.4	-12	3					
26TH	97.01									-968.2	-3325.1	80.3	-23.2	44.9
		-72.4	-265.2	109	290	-666.7	-914.1	-12	3					
27TH	100.68									-895.8	-3060.0	68.6	-19.8	41.4
		-73.3	-263.1	109	290	-674.7	-906.8	-13	3					
28TH	104.34									-822.5	-2796.9	57.9	-16.7	37.9
		-74.2	-260.9	109	290	-682.7	-899.5	-13	4					
29TH	108.00									-748.3	-2536.0	48.1	-13.8	34.3
		-75.0	-258.8	109	290	-690.7	-892.2	-13	4					
30TH	111.66									-673.3	-2277.1	39.3	-11.2	30.6
		-75.7	-257.8	109	290	-696.5	-888.6	-13	4					
31ST	115.32									-597.7	-2019.4	31.4	-8.9	26.8
		-75.3	-251.0	109	290	-693.2	-865.3	-13	4					
32ND	118.98									-522.4	-1768.3	24.5	-6.8	23.1
		-74.9	-243.3	109	290	-689.9	-838.8	-13	4					
33RD	122.64									-447.5	-1525.0	18.5	-5.1	19.6
		-74.6	-235.7	109	290	-686.5	-812.3	-13	4					
34TH	126.30									-372.9	-1289.3	13.3	-3.6	16.3
		-74.2	-228.0	109	290	-683.2	-785.8	-13	4					
35TH	129.96									-298.7	-1061.4	9.0	-2.3	13.1
		-73.8	-220.3	109	290	-679.9	-759.4	-13	4					
36TH	133.62									-224.8	-841.1	5.6	-1.4	10.0
		-71.5	-222.2	109	290	-658.5	-765.8	-12	4					
37TH	137.28									-153.3	-618.9	2.9	-.7	7.1
		-65.8	-237.1	109	290	-605.7	-817.4	-11	3					
38TH	140.94									-87.5	-381.7	1.0	-.2	4.3
		-87.5	-381.7	162	433	-540.0	-881.7	-11	2					
TOP	146.44									0.0	0.0	0.0	0.0	0.0

TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER ONE : BASED ON AEROELASTIC DATA
WIND DIRECTION 320 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN) X	FORCE (KN) Y	AREA (SQ M) X	AREA (SQ M) Y	PRESSURE (PA) X	PRESSURE (PA) Y	ECCEN (M) X	ECCEN (M) Y	SHEAR (KN) X	SHEAR (KN) Y	MOMENT (MN-M) X	MOMENT (MN-M) Y	MOMENT (MN-M) Z
GRND	0.00									-2955.4	7892.5	-561.0	-232.0	121.5
		-101.9	400.3	163	436	-624.6	918.7	3	1					
1ST	5.50									-2853.5	7492.1	-518.7	-216.0	120.3
		-61.6	246.8	109	290	-566.8	850.9	3	1					
2ND	9.16									-2791.9	7245.3	-491.7	-205.7	119.4
		-58.4	236.6	109	290	-537.3	815.7	3	1					
3RD	12.82									-2733.6	7008.7	-465.6	-195.6	118.6
		-58.5	233.2	109	290	-538.6	803.9	4	1					
4TH	16.48									-2675.1	6775.5	-440.4	-185.7	117.6
		-60.3	229.5	109	290	-554.9	791.1	5	1					
5TH	20.14									-2614.8	6546.0	-416.0	-176.0	116.5
		-62.0	225.8	109	290	-571.2	778.4	5	1					
6TH	23.80									-2552.8	6320.2	-392.4	-166.5	115.2
		-62.9	219.4	109	290	-578.7	756.4	6	2					
7TH	27.46									-2489.9	6100.7	-369.7	-157.3	113.9
		-63.1	211.9	109	290	-581.0	730.6	7	2					
8TH	31.12									-2426.8	5888.8	-347.8	-148.3	112.3
		-63.3	204.5	109	290	-583.2	704.8	8	2					
9TH	34.78									-2363.5	5684.3	-326.6	-139.6	110.6
		-63.6	197.0	109	290	-585.4	679.0	9	3					
10TH	38.44									-2299.9	5487.4	-306.1	-131.0	108.6
		-63.8	189.5	109	290	-587.6	653.2	10	3					
11TH	42.11									-2236.1	5297.9	-286.4	-122.7	106.5
		-64.1	182.0	109	290	-589.8	627.4	11	4					
12TH	45.77									-2172.0	5115.8	-267.3	-114.6	104.3
		-64.6	176.1	109	290	-595.1	607.1	12	4					
13TH	49.43									-2107.4	4939.7	-248.9	-106.8	101.8
		-65.5	173.0	109	290	-603.4	596.4	13	5					
14TH	53.09									-2041.9	4766.7	-231.2	-99.2	99.3
		-66.4	169.9	109	290	-611.7	585.6	14	5					
15TH	56.75									-1975.4	4596.8	-214.0	-91.9	96.6
		-67.3	166.8	109	290	-619.9	574.9	15	6					
16TH	60.41									-1908.1	4430.1	-197.5	-84.8	93.7
		-68.2	163.6	109	290	-628.2	564.1	16	6					
17TH	64.07									-1839.9	4266.4	-181.6	-77.9	90.7
		-69.1	160.5	109	290	-636.5	553.4	16	7					
18TH	67.73									-1770.7	4105.9	-166.3	-71.3	87.6
		-70.4	159.0	109	290	-648.5	548.2	17	8					
19TH	71.39									-1700.3	3946.8	-151.5	-64.9	84.3
		-72.3	161.9	109	290	-666.1	558.2	18	8					
20TH	75.05									-1627.9	3784.9	-137.4	-58.8	80.9
		-74.3	164.9	109	290	-683.7	568.3	18	8					
21ST	78.71									-1553.7	3620.0	-123.8	-53.0	77.3
		-76.2	167.8	109	290	-701.2	578.4	19	9					
22ND	82.37									-1477.5	3452.3	-110.9	-47.5	73.5
		-78.1	170.7	109	290	-718.8	588.4	19	9					
23RD	86.03									-1399.5	3281.6	-98.5	-42.2	69.5
		-80.0	173.6	109	290	-736.3	598.5	20	9					
24TH	89.69									-1319.5	3107.9	-86.9	-37.2	65.4
		-81.6	176.0	109	290	-751.7	606.8	20	9					

TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER ONE : BASED ON AEROELASTIC DATA
WIND DIRECTION 320 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN) X	FORCE (KN) Y	AREA (SQ M) X	AREA (SQ M) Y	PRESSURE (PA) X	PRESSURE (PA) Y	ECCEN (M) X	ECCEN (M) Y	SHEAR (KN) X	SHEAR (KN) Y	MOMENT (MN-M) X	MOMENT (MN-M) Y	MOMENT (MN-M) Z
25TH	93.35									-1237.9	2931.9	-75.8	-32.5	61.1
		-82.8	185.2	109	290	-762.0	638.3	19	9					
26TH	97.01									-1155.1	2746.7	-65.4	-28.2	56.8
		-83.9	194.3	109	290	-772.3	669.8	19	8					
27TH	100.68									-1071.2	2552.4	-55.7	-24.1	52.4
		-85.0	203.4	109	290	-782.6	701.3	18	8					
28TH	104.34									-986.2	2349.0	-46.7	-20.3	48.0
		-86.1	212.6	109	290	-792.9	732.8	18	7					
29TH	108.00									-900.1	2136.4	-38.5	-16.9	43.6
		-87.2	221.7	109	290	-803.2	764.3	17	7					
30TH	111.66									-812.9	1914.7	-31.1	-13.7	39.1
		-88.2	230.4	109	290	-811.9	794.2	17	6					
31ST	115.32									-724.7	1684.3	-24.5	-10.9	34.6
		-88.4	226.0	109	290	-814.3	778.9	17	7					
32ND	118.98									-636.2	1458.3	-18.8	-8.4	30.2
		-88.7	220.5	109	290	-816.7	760.0	17	7					
33RD	122.64									-547.5	1237.8	-13.8	-6.3	25.9
		-89.0	215.0	109	290	-819.1	741.1	17	7					
34TH	126.30									-458.6	1022.8	-9.7	-4.4	21.6
		-89.2	209.5	109	290	-821.5	722.3	17	7					
35TH	129.96									-369.3	813.3	-6.3	-2.9	17.3
		-89.5	204.1	109	290	-823.9	703.4	17	8					
36TH	133.62									-279.9	609.2	-3.7	-1.7	13.1
		-87.5	192.4	109	290	-805.6	663.4	17	8					
37TH	137.28									-192.4	416.8	-1.9	-.9	9.1
		-81.6	178.0	109	290	-751.2	613.6	18	8					
38TH	140.94									-110.8	238.8	-.7	-.3	5.3
		-110.8	238.8	162	433	-683.4	551.5	18	8					
TOP	146.44									0.0	0.0	0.0	0.0	0.0

TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER ONE : BASED ON AEROELASTIC DATA
WIND DIRECTION 330 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN) X	FORCE (KN) Y	AREA (SQ M) X	AREA (SQ M) Y	PRESSURE (PA) X	PRESSURE (PA) Y	ECCEN (M) X	ECCEN (M) Y	SHEAR (KN) X	SHEAR (KN) Y	MOMENT (MN-M) X	MOMENT (MN-M) Y	MOMENT (MN-M) Z
GRND	0.00									-3443.5	9655.7	-742.9	-281.0	145.0
		-107.0	331.9	163	436	-655.6	761.7	8	2					
1ST	5.50									-3336.5	9323.8	-690.7	-262.4	142.3
		-65.1	216.4	109	290	-599.5	745.9	8	2					
2ND	9.16									-3271.4	9107.4	-657.0	-250.3	140.4
		-61.2	214.1	109	290	-563.5	737.9	8	2					
3RD	12.82									-3210.2	8893.3	-624.0	-238.4	138.6
		-61.7	216.5	109	290	-568.0	746.4	8	2					
4TH	16.48									-3148.5	8676.8	-591.9	-226.8	136.7
		-64.3	219.9	109	290	-592.4	757.9	9	3					
5TH	20.14									-3084.2	8456.9	-560.5	-215.4	134.6
		-67.0	223.2	109	290	-616.7	769.5	9	3					
6TH	23.80									-3017.2	8233.7	-530.0	-204.2	132.4
		-68.6	224.6	109	290	-631.7	774.3	10	3					
7TH	27.46									-2948.6	8009.1	-500.2	-193.3	130.0
		-69.6	224.2	109	290	-641.0	772.7	10	3					
8TH	31.12									-2879.0	7784.9	-471.3	-182.6	127.5
		-70.6	223.7	109	290	-650.4	771.1	11	3					
9TH	34.78									-2808.3	7561.2	-443.2	-172.2	125.0
		-71.6	223.2	109	290	-659.7	769.5	11	4					
10TH	38.44									-2736.7	7337.9	-416.0	-162.1	122.3
		-72.7	222.8	109	290	-669.0	767.9	11	4					
11TH	42.11									-2664.0	7115.2	-389.5	-152.2	119.5
		-73.7	222.3	109	290	-678.3	766.3	12	4					
12TH	45.77									-2590.3	6892.9	-363.9	-142.6	116.5
		-74.5	222.4	109	290	-686.1	766.5	12	4					
13TH	49.43									-2515.8	6670.5	-339.0	-133.2	113.5
		-75.2	224.5	109	290	-692.5	773.7	13	4					
14TH	53.09									-2440.6	6446.0	-315.0	-124.1	110.3
		-75.9	226.6	109	290	-698.9	781.0	13	4					
15TH	56.75									-2364.7	6219.5	-291.9	-115.3	107.1
		-76.6	228.7	109	290	-705.4	788.2	13	5					
16TH	60.41									-2288.1	5990.8	-269.5	-106.8	103.6
		-77.3	230.8	109	290	-711.8	795.5	14	5					
17TH	64.07									-2210.8	5760.0	-248.0	-98.6	100.1
		-78.0	232.9	109	290	-718.2	802.7	14	5					
18TH	67.73									-2132.8	5527.2	-227.3	-90.6	96.4
		-78.9	234.9	109	290	-726.1	809.6	15	5					
19TH	71.39									-2053.9	5292.3	-207.5	-83.0	92.6
		-80.0	235.2	109	290	-736.1	810.6	15	5					
20TH	75.05									-1974.0	5057.1	-188.6	-75.6	88.7
		-81.0	235.4	109	290	-746.2	811.6	15	5					
21ST	78.71									-1892.9	4821.7	-170.5	-68.5	84.8
		-82.1	235.7	109	290	-756.3	812.6	15	5					
22ND	82.37									-1810.8	4585.9	-153.3	-61.8	80.8
		-83.2	236.0	109	290	-766.4	813.6	15	5					
23RD	86.03									-1727.5	4349.9	-136.9	-55.3	76.6
		-84.3	236.3	109	290	-776.5	814.5	16	6					
24TH	89.69									-1643.2	4113.6	-121.4	-49.1	72.5
		-86.0	237.4	109	290	-791.7	818.3	16	6					

TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER ONE : BASED ON AEROELASTIC DATA
WIND DIRECTION 330 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN) X	FORCE (KN) Y	AREA (SQ M) X	AREA (SQ M) Y	PRESSURE (PA) X	PRESSURE (PA) Y	ECCEN (M) X	ECCEN (M) Y	SHEAR (KN) X	SHEAR (KN) Y	MOMENT (MN-M) X	MOMENT (MN-M) Y	MOMENT (MN-M) Z
25TH	93.35									-1557.2	3876.2	-106.8	-43.3	68.2
		-89.0	239.9	109	290	-819.0	827.0	16	6					
26TH	97.01									-1468.3	3636.3	-93.1	-37.7	63.9
		-91.9	242.4	109	290	-846.4	835.7	16	6					
27TH	100.68									-1376.3	3393.9	-80.2	-32.5	59.5
		-94.9	245.0	109	290	-873.7	844.4	16	6					
28TH	104.34									-1281.4	3148.9	-68.2	-27.6	55.1
		-97.9	247.5	109	290	-901.0	853.1	16	6					
29TH	108.00									-1183.6	2901.4	-57.2	-23.1	50.6
		-100.8	250.0	109	290	-928.3	861.8	16	6					
30TH	111.66									-1082.8	2651.4	-47.0	-19.0	46.1
		-104.0	252.8	109	290	-957.6	871.4	16	6					
31ST	115.32									-978.8	2398.6	-37.7	-15.2	41.5
		-108.0	261.3	109	290	-994.7	900.9	15	6					
32ND	118.98									-870.7	2137.3	-29.4	-11.8	36.8
		-112.1	270.3	109	290	-1031.8	931.8	15	6					
33RD	122.64									-758.7	1867.0	-22.1	-8.8	32.0
		-116.1	279.3	109	290	-1068.9	962.6	15	6					
34TH	126.30									-642.6	1587.7	-15.8	-6.3	27.1
		-120.1	288.2	109	290	-1106.0	993.5	15	6					
35TH	129.96									-522.4	1299.5	-10.5	-4.1	22.2
		-124.2	297.2	109	290	-1143.1	1024.4	15	6					
36TH	133.62									-398.3	1002.3	-6.3	-2.5	17.1
		-123.8	299.9	109	290	-1140.2	1033.7	15	6					
37TH	137.28									-274.5	702.4	-3.2	-1.2	12.0
		-116.0	289.5	109	290	-1067.8	998.1	15	6					
38TH	140.94									-158.5	412.9	-1.1	-.4	7.1
		-158.5	412.8	162	433	-977.7	953.6	15	6					
TOP	146.44									0.0	0.0	0.0	0.0	0.0

TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER ONE : BASED ON AEROELASTIC DATA
WIND DIRECTION 340 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN) X	FORCE (KN) Y	AREA (SQ M) X	AREA (SQ M) Y	PRESSURE (PA) X	PRESSURE (PA) Y	ECCEN (M) X	ECCEN (M) Y	SHEAR (KN) X	SHEAR (KN) Y	MOMENT (MN-M) X	MOMENT (MN-M) Y	MOMENT (MN-M) Z
GRND	0.00									-3783.9	10270.0	-762.7	-299.8	109.5
		-127.5	415.5	163	436	-781.5	953.4	6	2					
1ST	5.50									-3656.4	9854.5	-707.4	-279.4	106.6
		-76.8	255.9	109	290	-706.9	882.3	7	2					
2ND	9.16									-3579.6	9598.6	-671.7	-266.1	104.7
		-71.6	241.3	109	290	-659.4	831.6	7	2					
3RD	12.82									-3508.0	9357.3	-637.1	-253.2	103.0
		-71.3	236.5	109	290	-656.3	815.3	7	2					
4TH	16.48									-3436.7	9120.8	-603.2	-240.4	101.2
		-73.3	240.2	109	290	-674.9	827.9	7	2					
5TH	20.14									-3363.4	8880.6	-570.3	-228.0	99.3
		-75.3	243.8	109	290	-693.5	840.4	8	2					
6TH	23.80									-3288.1	8636.8	-538.2	-215.8	97.3
		-76.9	246.3	109	290	-708.0	849.0	8	2					
7TH	27.46									-3211.2	8390.5	-507.1	-203.9	95.2
		-78.2	247.5	109	290	-719.9	853.0	8	3					
8TH	31.12									-3133.0	8143.1	-476.8	-192.3	93.0
		-79.5	248.6	109	290	-731.8	857.1	8	3					
9TH	34.78									-3053.5	7894.4	-447.4	-181.0	90.8
		-80.8	249.8	109	290	-743.7	861.1	8	3					
10TH	38.44									-2972.8	7644.6	-419.0	-170.0	88.5
		-82.1	251.0	109	290	-755.6	865.2	8	3					
11TH	42.11									-2890.7	7393.6	-391.5	-159.2	86.1
		-83.4	252.2	109	290	-767.4	869.2	9	3					
12TH	45.77									-2807.3	7141.5	-364.9	-148.8	83.7
		-84.6	252.9	109	290	-779.1	871.6	9	3					
13TH	49.43									-2722.7	6888.6	-339.2	-138.7	81.2
		-85.9	252.0	109	290	-790.5	868.7	9	3					
14TH	53.09									-2636.9	6636.6	-314.4	-128.9	78.7
		-87.1	251.2	109	290	-801.9	865.8	9	3					
15TH	56.75									-2549.8	6385.4	-290.6	-119.4	76.1
		-88.3	250.3	109	290	-813.3	862.9	9	3					
16TH	60.41									-2461.4	6135.1	-267.7	-110.2	73.5
		-89.6	249.5	109	290	-824.7	860.0	9	3					
17TH	64.07									-2371.9	5885.6	-245.7	-101.4	70.8
		-90.8	248.7	109	290	-836.1	857.1	10	4					
18TH	67.73									-2281.1	5636.9	-224.6	-92.8	68.1
		-92.1	248.2	109	290	-848.1	855.6	10	4					
19TH	71.39									-2189.0	5388.7	-204.4	-84.7	65.4
		-93.5	249.8	109	290	-861.1	861.1	10	4					
20TH	75.05									-2095.4	5138.9	-185.1	-76.8	62.6
		-94.9	251.4	109	290	-874.0	866.5	10	4					
21ST	78.71									-2000.5	4887.5	-166.8	-69.3	59.7
		-96.3	253.0	109	290	-887.0	872.0	10	4					
22ND	82.37									-1904.2	4634.6	-149.4	-62.2	56.8
		-97.7	254.6	109	290	-900.0	877.4	10	4					
23RD	86.03									-1806.4	4380.0	-132.9	-55.4	53.9
		-99.2	256.1	109	290	-912.9	882.9	10	4					
24TH	89.69									-1707.3	4123.9	-117.3	-49.0	50.9
		-100.8	257.9	109	290	-927.8	889.1	10	4					

TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER ONE : BASED ON AEROELASTIC DATA
WIND DIRECTION 340 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN)		AREA (SQ M)		PRESSURE (PA)		ECCEN (M)		SHEAR (KN)		MOMENT (MN-M)		
		X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	Z
25TH	93.35									-1606.5	3866.0	-102.7	-42.9	47.8
		-102.9	259.6	109	290	-947.2	894.8	10	4					
26TH	97.01									-1503.6	3606.4	-89.0	-37.2	44.7
		-105.0	261.3	109	290	-966.5	900.6	10	4					
27TH	100.68									-1398.6	3345.1	-76.3	-31.9	41.6
		-107.1	262.9	109	290	-985.9	906.3	10	4					
28TH	104.34									-1291.6	3082.2	-64.5	-27.0	38.5
		-109.2	264.6	109	290	-1005.3	912.1	10	4					
29TH	108.00									-1182.4	2817.6	-53.7	-22.4	35.3
		-111.3	266.3	109	290	-1024.6	917.8	10	4					
30TH	111.66									-1071.1	2551.3	-43.9	-18.3	32.1
		-113.2	267.6	109	290	-1042.0	922.6	10	4					
31ST	115.32									-957.9	2283.7	-35.0	-14.6	28.8
		-114.2	269.7	109	290	-1051.2	929.7	10	4					
32ND	118.98									-843.8	2014.0	-27.2	-11.3	25.5
		-115.2	272.0	109	290	-1060.5	937.5	10	4					
33RD	122.64									-728.6	1742.0	-20.3	-8.4	22.1
		-116.2	274.2	109	290	-1069.7	945.2	11	4					
34TH	126.30									-612.4	1467.8	-14.4	-6.0	18.7
		-117.2	276.5	109	290	-1078.9	953.0	11	4					
35TH	129.96									-495.2	1191.3	-9.5	-3.9	15.3
		-118.2	278.7	109	290	-1088.1	960.7	11	5					
36TH	133.62									-377.0	912.6	-5.7	-2.3	11.8
		-116.4	276.8	109	290	-1071.3	954.1	11	4					
37TH	137.28									-260.7	635.8	-2.9	-1.2	8.3
		-109.6	264.4	109	290	-1009.3	911.3	11	5					
38TH	140.94									-151.1	371.5	-1.0	-.4	4.9
		-151.1	371.5	162	433	-932.0	858.0	11	5					
TOP	146.44									0.0	0.0	0.0	0.0	0.0

TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER ONE : BASED ON AEROELASTIC DATA
WIND DIRECTION 350 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN) X	FORCE (KN) Y	AREA (SQ M) X	AREA (SQ M) Y	PRESSURE (PA) X	PRESSURE (PA) Y	ECCEN (M) X	ECCEN (M) Y	SHEAR (KN) X	SHEAR (KN) Y	MOMENT (MN-M) X	MOMENT (MN-M) Y	MOMENT (MN-M) Z
GRND	0.00									-4257.2	10649.9	-785.4	-333.5	99.8
		-145.8	441.1	163	436	-893.5	1012.3	5	2					
1ST	5.50									-4111.4	10208.8	-728.1	-310.5	97.2
		-89.5	277.2	109	290	-823.9	955.5	5	2					
2ND	9.16									-4021.9	9931.6	-691.2	-295.6	95.6
		-85.0	266.2	109	290	-782.4	917.7	5	2					
3RD	12.82									-3936.9	9665.4	-655.4	-281.0	94.0
		-84.2	261.7	109	290	-774.9	902.2	6	2					
4TH	16.48									-3852.7	9403.7	-620.5	-266.7	92.4
		-85.2	261.5	109	290	-784.1	901.5	6	2					
5TH	20.14									-3767.6	9142.1	-586.5	-252.8	90.7
		-86.2	261.3	109	290	-793.3	900.8	6	2					
6TH	23.80									-3681.4	8880.8	-553.5	-239.2	88.9
		-87.6	261.4	109	290	-806.2	900.9	6	2					
7TH	27.46									-3593.9	8619.4	-521.5	-225.9	87.0
		-89.2	260.9	109	290	-821.5	899.5	7	2					
8TH	31.12									-3504.6	8358.5	-490.4	-212.9	85.1
		-90.9	260.5	109	290	-836.7	898.1	7	2					
9TH	34.78									-3413.8	8098.0	-460.3	-200.2	83.1
		-92.5	260.1	109	290	-852.0	896.6	7	3					
10TH	38.44									-3321.2	7837.8	-431.1	-187.9	81.0
		-94.2	259.7	109	290	-867.2	895.2	7	3					
11TH	42.11									-3227.0	7578.1	-402.9	-175.9	78.8
		-95.8	259.3	109	290	-882.5	893.8	7	3					
12TH	45.77									-3131.2	7318.8	-375.6	-164.2	76.6
		-97.0	258.3	109	290	-893.4	890.3	8	3					
13TH	49.43									-3034.2	7060.6	-349.3	-153.0	74.4
		-97.8	256.9	109	290	-900.2	885.6	8	3					
14TH	53.09									-2936.4	6803.7	-323.9	-142.0	72.1
		-98.5	255.5	109	290	-907.1	880.8	8	3					
15TH	56.75									-2837.9	6548.1	-299.5	-131.5	69.7
		-99.3	254.2	109	290	-913.9	876.1	8	3					
16TH	60.41									-2738.6	6294.0	-276.0	-121.3	67.3
		-100.0	252.8	109	290	-920.8	871.3	9	3					
17TH	64.07									-2638.6	6041.2	-253.4	-111.4	64.8
		-100.7	251.4	109	290	-927.6	866.6	9	3					
18TH	67.73									-2537.9	5789.8	-231.8	-101.9	62.2
		-102.2	251.2	109	290	-941.2	866.1	9	4					
19TH	71.39									-2435.6	5538.6	-211.0	-92.8	59.6
		-104.8	253.5	109	290	-964.7	873.8	9	4					
20TH	75.05									-2330.8	5285.0	-191.2	-84.1	57.0
		-107.3	255.8	109	290	-988.3	881.6	9	4					
21ST	78.71									-2223.5	5029.3	-172.3	-75.8	54.2
		-109.9	258.0	109	290	-1011.8	889.4	9	4					
22ND	82.37									-2113.6	4771.3	-154.4	-67.8	51.4
		-112.4	260.3	109	290	-1035.3	897.2	9	4					
23RD	86.03									-2001.2	4511.0	-137.4	-60.3	48.6
		-115.0	262.5	109	290	-1058.8	905.0	9	4					
24TH	89.69									-1886.2	4248.4	-121.4	-53.2	45.7
		-117.2	264.3	109	290	-1079.0	910.9	9	4					

TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER ONE : BASED ON AEROELASTIC DATA
WIND DIRECTION 350 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN)		AREA (SQ M)		PRESSURE (PA)		ECCEN (M)		SHEAR (KN)		MOMENT (MN-M)		
		X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	Z
25TH	93.35									-1769.0	3984.2	-106.3	-46.5	42.7
		-118.6	265.3	109	290	-1091.5	914.4	9	4					
26TH	97.01									-1650.4	3718.9	-92.2	-40.2	39.7
		-119.9	266.3	109	290	-1104.0	917.9	9	4					
27TH	100.68									-1530.5	3452.6	-79.1	-34.4	36.8
		-121.3	267.3	109	290	-1116.5	921.4	9	4					
28TH	104.34									-1409.3	3185.3	-66.9	-29.0	33.8
		-122.6	268.3	109	290	-1128.9	924.9	9	4					
29TH	108.00									-1286.6	2917.0	-55.8	-24.1	30.8
		-124.0	269.3	109	290	-1141.4	928.4	9	4					
30TH	111.66									-1162.7	2647.6	-45.6	-19.6	27.9
		-125.2	270.2	109	290	-1153.1	931.5	9	4					
31ST	115.32									-1037.4	2377.4	-36.4	-15.6	24.9
		-126.1	275.5	109	290	-1161.3	949.5	9	4					
32ND	118.98									-911.3	2101.9	-28.2	-12.0	21.9
		-127.0	281.1	109	290	-1169.6	969.0	9	4					
33RD	122.64									-784.3	1820.8	-21.0	-8.9	18.9
		-127.9	286.8	109	290	-1177.8	988.5	9	4					
34TH	126.30									-656.3	1534.1	-14.9	-6.3	15.8
		-128.8	292.4	109	290	-1186.1	1008.0	9	4					
35TH	129.96									-527.5	1241.7	-9.8	-4.1	12.8
		-129.7	298.1	109	290	-1194.3	1027.5	9	4					
36TH	133.62									-397.8	943.6	-5.8	-2.4	9.7
		-126.6	297.0	109	290	-1165.3	1023.6	9	4					
37TH	137.28									-271.2	646.6	-2.9	-1.2	6.7
		-116.4	275.5	109	290	-1071.8	949.6	9	4					
38TH	140.94									-154.8	371.1	-1.0	-.4	3.9
		-154.8	371.1	162	433	-955.2	857.3	9	4					
TOP	146.44									0.0	0.0	0.0	0.0	0.0

TABLE 7. GATEWAY PROJECT TOWER ONE : BASED ON AEROELASTIC DATA
PROJECT 7910 CONFIGURATION A
SCALE = 400 REF. PRESSURE = 771
STANDARD FLOOR HEIGHT = 3.66
NUMBER OF SIDES = 6 NO. OF FLOORS = 39

SIDE	ANGLE	Z-AXIS
1	315.0	.107
2	90.0	9.375
3	135.0	.107
4	270.0	9.375
5	225.0	4.369
6	45.0	-3.302

FLOOR #	LABEL	HEIGHT-M
1	GRND	5.50
2	1ST	3.66
3	2ND	3.66
4	3RD	3.66
5	4TH	3.66
6	5TH	3.66
7	6TH	3.66
8	7TH	3.66
9	8TH	3.66
10	9TH	3.66
11	10TH	3.66
12	11TH	3.66
13	12TH	3.66
14	13TH	3.66
15	14TH	3.66
16	15TH	3.66
17	16TH	3.66
18	17TH	3.66
19	18TH	3.66
20	19TH	3.66
21	20TH	3.66
22	21ST	3.66
23	22ND	3.66
24	23RD	3.66
25	24TH	3.66
26	25TH	3.66
27	26TH	3.66
28	27TH	3.66
29	28TH	3.66
30	29TH	3.66
31	30TH	3.66
32	31ST	3.66
33	32ND	3.66
34	33RD	3.66
35	34TH	3.66
36	35TH	3.66
37	36TH	3.66
38	37TH	3.66
39	38TH	5.50

TABLE 7. BASE SHEAR AND MOMENT SUMMARY : GATEWAY PROJECT TOWER TWO : BASED ON AEROELASTIC DATA
CONFIGURATION A   REFERENCE PRESSURE 771

AZIMUTH	SHEAR (KN) X	SHEAR (KN) Y	MOMENT (MN-M) X	MOMENT (MN-M) Y	MOMENT (MN-M) Z	ECCEN (M) X	ECCEN (M) Y	SQUARE ROOT OF DYNAMIC RESPONSE FACTOR X	SQUARE ROOT OF DYNAMIC RESPONSE FACTOR Y	SQUARE ROOT OF DYNAMIC RESPONSE FACTOR Z
0	[redacted]	9590	-828.3	[redacted]	149.4	15	1	2.04	3.59	1.75
10	[redacted]	9676	-793.1	[redacted]	154.3	13	-6	1.97	3.35	1.57
20	[redacted]	9290	-719.6	[redacted]	131.9	13	-4	1.82	3.03	1.54
30	2671	9585	-744.6	166.6	114.7	11	-3	1.65	2.48	1.56
40	2330	12075	-948.9	175.7	93.0	7	-1	1.72	2.06	1.58
50	2623	13132	-1047.3	214.7	133.9	10	-2	1.62	1.73	2.14
60	1830	11148	-906.0	161.0	[redacted]	12	-2	1.52	1.52	2.57
70	2193	8473	-696.9	189.2	[redacted]	38	-10	1.51	1.51	14.05
80	3341	9195	-736.5	275.6	[redacted]	-10	4	1.50	1.48	2.28
90	4118	11535	-886.5	330.1	-97.6	-8	3	1.53	1.48	1.85
100	4274	10569	-792.7	340.1	-85.3	-7	3	1.51	1.48	1.64
110	4346	10526	-773.2	343.1	-97.1	-8	3	1.61	1.50	1.59
120	4264	10799	-792.9	337.8	-119.0	-10	4	1.78	1.58	1.56
130	4020	8946	-668.5	318.9	-139.8	-13	6	1.90	1.72	1.57
140	3400	[redacted]	[redacted]	268.7	-138.7	-16	8	2.88	1.73	1.64
150	2996	[redacted]	[redacted]	230.6	-115.8	16	8	4.04	1.67	1.96
160	2861	-9606	746.2	217.5	[redacted]	-4	-1	2.97	1.76	3.95
170	[redacted]	-10647	817.4	[redacted]	167.8	-16	-2	2.43	2.37	2.15
180	[redacted]	-11920	905.4	[redacted]	178.9	-10	7	2.15	3.45	1.75
190	-4332	-10505	796.4	-320.6	156.0	-13	5	2.15	2.35	1.71
200	-3055	-7067	519.7	-223.6	105.9	-13	5	2.70	3.13	1.79
210	[redacted]	[redacted]	[redacted]	[redacted]	89.8	13	-2	4.04	5.00	2.17
220	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	4	-1	4.13	5.00	3.67
230	[redacted]	7278	-491.3	[redacted]	[redacted]	-21	-0	2.98	3.76	4.87
240	[redacted]	[redacted]	[redacted]	[redacted]	-111.2	-1	-7	4.28	5.79	2.77
250	-4604	-10434	816.6	-367.0	-91.2	7	-3	2.80	1.87	1.81
260	-4620	-12940	998.9	-365.4	-89.8	6	-2	2.14	1.63	1.70
270	-4451	-11380	882.2	-350.8	-80.8	6	-2	1.78	1.55	1.63
280	-4233	-9517	715.6	-328.8	-79.6	7	-3	1.65	1.49	1.53
290	-4112	-9868	716.7	-317.4	-95.9	8	-3	1.79	1.49	1.59
300	-4630	-10112	710.0	-360.0	-115.7	9	-4	1.90	1.62	1.66
310	-5278	-13576	958.1	-420.0	-173.2	11	-4	2.21	1.87	1.85
320	-2816	[redacted]	[redacted]	-225.5	-115.0	8	-2	2.95	1.69	1.77
330	-2061	[redacted]	[redacted]	-163.6	-33.4	-6	-14	3.63	1.66	2.15
340	-2254	7471	-718.1	-170.5	[redacted]	13	4	2.46	1.70	4.76
350	-2160	10323	-911.1	-159.8	133.2	12	3	2.36	1.95	2.34

TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER TWO : BASED ON AEROELASTIC DATA
WIND DIRECTION 0 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN) X	FORCE (KN) Y	AREA (SQ M) X	AREA (SQ M) Y	PRESSURE (PA) X	PRESSURE (PA) Y	ECCEN (M) X	ECCEN (M) Y	SHEAR (KN) X	SHEAR (KN) Y	MOMENT (MN-M) X	MOMENT (MN-M) Y	MOMENT (MN-M) Z
GRND	0.00									-744.0	9589.5	-828.3	-24.8	149.4
		-132.0	119.5	163	436	-809.0	274.2	11	12					
1ST	5.50									-612.0	9470.1	-775.9	-21.1	146.4
		-77.3	86.2	109	290	-711.9	297.2	13	12					
2ND	9.16									-534.7	9383.8	-741.4	-19.0	144.3
		-67.6	92.0	109	290	-622.6	317.0	15	11					
3RD	12.82									-467.0	9291.9	-707.2	-17.1	142.1
		-60.4	100.0	109	290	-556.6	344.6	17	10					
4TH	16.48									-406.6	9191.9	-673.3	-15.5	139.8
		-54.5	112.3	109	290	-501.9	387.2	19	9					
5TH	20.14									-352.1	9079.6	-639.9	-14.2	137.2
		-48.6	124.7	109	290	-447.3	429.8	20	8					
6TH	23.80									-303.5	8954.9	-606.9	-13.0	134.3
		-44.5	136.7	109	290	-409.4	471.1	20	7					
7TH	27.46									-259.0	8818.2	-574.4	-11.9	131.2
		-41.5	148.1	109	290	-381.7	510.4	20	6					
8TH	31.12									-217.6	8670.2	-542.3	-11.0	128.0
		-38.5	159.5	109	290	-354.0	549.7	20	5					
9TH	34.78									-179.1	8510.7	-510.9	-10.3	124.6
		-35.4	170.9	109	290	-326.3	589.0	20	4					
10TH	38.44									-143.7	8339.8	-480.1	-9.7	121.2
		-32.4	182.3	109	290	-298.7	628.4	19	3					
11TH	42.11									-111.2	8157.5	-449.9	-9.3	117.5
		-29.4	193.7	109	290	-271.0	667.7	19	3					
12TH	45.77									-81.8	7963.8	-420.4	-8.9	113.8
		-25.1	205.5	109	290	-231.4	708.4	19	2					
13TH	49.43									-56.7	7758.3	-391.6	-8.7	109.9
		-19.6	217.4	109	290	-180.5	749.5	18	2					
14TH	53.09									-37.1	7540.9	-363.6	-8.5	106.0
		-14.1	229.4	109	290	-129.5	790.6	17	1					
15TH	56.75									-23.0	7311.5	-336.4	-8.4	102.0
		-8.5	241.3	109	290	-78.6	831.8	17	1					
16TH	60.41									-14.5	7070.2	-310.1	-8.3	98.0
		-3.0	253.2	109	290	-27.7	872.9	16	0					
17TH	64.07									-11.5	6817.0	-284.7	-8.3	93.9
		2.5	265.2	109	290	23.2	914.0	16	-0					
18TH	67.73									-14.0	6551.8	-260.2	-8.2	89.8
		5.9	275.6	109	290	54.8	950.1	15	-0					
19TH	71.39									-19.9	6276.2	-236.7	-8.2	85.7
		6.3	279.8	109	290	58.0	964.3	15	-0					
20TH	75.05									-26.2	5996.4	-214.2	-8.1	81.5
		6.6	283.9	109	290	61.2	978.6	15	-0					
21ST	78.71									-32.9	5712.6	-192.8	-8.0	77.3
		7.0	288.0	109	290	64.4	992.8	15	-0					
22ND	82.37									-39.9	5424.6	-172.4	-7.8	73.1
		7.3	292.1	109	290	67.6	1007.0	14	-0					
23RD	86.03									-47.2	5132.4	-153.1	-7.7	68.9
		7.7	296.3	109	290	70.8	1021.3	14	-0					
24TH	89.69									-54.9	4836.1	-134.9	-7.5	64.7
		9.0	300.8	109	290	82.9	1036.8	14	-0					

TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER TWO : BASED ON AEROELASTIC DATA
WIND DIRECTION 0 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN) X	FORCE (KN) Y	AREA (SQ M) X	AREA (SQ M) Y	PRESSURE (PA) X	PRESSURE (PA) Y	ECCEN (M) X	ECCEN (M) Y	SHEAR (KN) X	SHEAR (KN) Y	MOMENT (MN-M) X	MOMENT (MN-M) Y	MOMENT (MN-M) Z
25TH	93.35									-63.9	4535.4	-117.7	-7.3	60.4
		12.6	306.4	109	290	115.7	1056.1	14	-1					
26TH	97.01									-76.5	4229.0	-101.7	-7.0	56.1
		16.1	312.0	109	290	148.4	1075.4	14	-1					
27TH	100.68									-92.6	3917.0	-86.8	-6.7	51.8
		19.7	317.6	109	290	181.2	1094.7	14	-1					
28TH	104.34									-112.3	3599.5	-73.0	-6.3	47.4
		23.2	323.2	109	290	213.9	1114.0	14	-1					
29TH	108.00									-135.5	3276.3	-60.4	-5.9	42.9
		26.8	328.8	109	290	246.6	1133.3	14	-1					
30TH	111.66									-162.3	2947.5	-49.0	-5.3	38.4
		27.5	333.5	109	290	252.9	1149.4	14	-1					
31ST	115.32									-189.8	2614.0	-38.8	-4.7	33.8
		16.2	331.1	109	290	149.4	1141.3	14	-1					
32ND	118.98									-206.0	2283.0	-29.9	-4.0	29.3
		5.0	328.4	109	290	45.8	1132.1	14	-0					
33RD	122.64									-211.0	1954.5	-22.1	-3.2	24.9
		-6.3	325.8	109	290	-57.7	1122.9	14	0					
34TH	126.30									-204.7	1628.8	-15.6	-2.4	20.4
		-17.5	323.1	109	290	-161.2	1113.7	13	1					
35TH	129.96									-187.2	1305.7	-10.2	-1.7	16.1
		-28.8	320.4	109	290	-264.7	1104.6	13	1					
36TH	133.62									-158.4	985.2	-6.0	-1.1	11.8
		-38.0	316.0	109	290	-350.2	1089.1	13	2					
37TH	137.28									-120.4	669.3	-3.0	0.6	7.6
		43.9	288.8	109	290	-404.4	995.5	12	2					
38TH	140.94									-76.5	380.5	-1.0	0.2	4.0
		-76.5	380.5	162	433	-471.8	878.8	10	2					
TOP	146.44									0.0	0.0	0.0	0.0	0.0

TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER TWO : BASED ON AEROELASTIC DATA
WIND DIRECTION 10 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN) X	FORCE (KN) Y	AREA (SQ M) X	AREA (SQ M) Y	PRESSURE (PA) X	PRESSURE (PA) Y	ECCEN (M) X	ECCEN (M) Y	SHEAR (KN) X	SHEAR (KN) Y	MOMENT (MN-M) X	MOMENT (MN-M) Y	MOMENT (MN-M) Z
GRND	0.00									4291.1	9675.7	-793.1	312.6	154.3
		104.4	204.9	163	436	640.1	470.3	13	-6					
1ST	5.50									4188.6	9470.8	-740.5	289.3	151.0
		75.0	137.9	109	290	690.3	475.4	13	-7					
2ND	9.16									4111.7	9332.9	-706.1	274.1	148.7
		84.5	140.9	109	290	777.9	485.6	12	-7					
3RD	12.82									4027.2	9192.0	-672.1	259.2	146.4
		92.4	146.1	109	290	850.7	503.6	12	-8					
4TH	16.48									3934.8	9045.9	-638.8	244.7	143.9
		99.5	155.7	109	290	916.2	535.4	12	-8					
5TH	20.14									3835.3	8890.6	-605.9	230.4	141.3
		106.6	164.6	109	290	981.7	567.3	12	-8					
6TH	23.80									3728.6	8726.0	-573.7	216.6	138.6
		110.8	173.8	109	290	1020.6	599.2	12	-7					
7TH	27.46									3617.8	8552.2	-542.1	202.1	135.7
		113.3	183.8	109	290	1043.1	633.6	12	-7					
8TH	31.12									3504.5	8368.4	-511.1	190.1	132.7
		115.7	193.8	109	290	1065.6	668.1	12	-7					
9TH	34.78									3388.8	8174.6	-480.8	177.5	129.5
		118.2	203.8	109	290	1088.1	702.5	12	-7					
10TH	38.44									3270.6	7970.8	-451.3	165.3	126.2
		120.6	213.8	109	290	1110.7	736.9	12	-7					
11TH	42.11									3150.0	7757.0	-422.5	153.5	122.7
		123.1	223.8	109	290	1133.2	771.4	13	-7					
12TH	45.77									3026.9	7533.2	-394.5	142.2	119.0
		122.8	231.5	109	290	1130.8	798.2	13	-7					
13TH	49.43									2904.1	7301.6	-367.3	131.4	115.2
		120.0	234.3	109	290	1104.6	807.6	13	-7					
14TH	53.09									2784.1	7067.4	-341.0	121.0	111.4
		117.1	237.0	109	290	1078.5	817.0	13	-6					
15TH	56.75									2667.0	6830.3	-315.6	111.0	107.5
		114.3	239.7	109	290	1052.3	826.4	13	-6					
16TH	60.41									2552.7	6590.6	-291.0	101.4	103.6
		111.5	242.5	109	290	1026.2	835.8	13	-6					
17TH	64.07									2441.2	6348.1	-267.4	92.3	99.7
		108.6	245.2	109	290	1000.0	845.3	14	-6					
18TH	67.73									2332.6	6102.9	-244.6	83.6	95.7
		108.9	249.1	109	290	1003.0	858.5	14	-6					
19TH	71.39									2223.7	5853.8	-222.7	75.2	91.6
		113.9	254.5	109	290	1048.6	877.3	14	-6					
20TH	75.05									2109.8	5599.3	-201.7	67.3	87.5
		118.8	259.9	109	290	1094.2	896.1	13	-6					
21ST	78.71									1990.9	5339.4	-181.7	59.8	83.3
		123.8	265.4	109	290	1139.8	914.8	13	-6					
22ND	82.37									1867.1	5074.0	-162.6	52.7	79.0
		128.7	270.8	109	290	1185.4	933.6	13	-6					
23RD	86.03									1738.4	4803.2	-144.6	46.1	74.6
		133.7	276.3	109	290	1231.0	952.3	13	-6					
24TH	89.69									1604.7	4526.9	-127.5	40.0	70.1
		135.8	280.8	109	290	1250.3	967.8	13	-6					

TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER TWO — BASED ON AEROELASTIC DATA

WIND DIRECTION 10 — CONFIGURATION A — REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN) X	FORCE (KN) Y	AREA (SQ M) X	AREA (SQ M) Y	PRESSURE (PA) X	PRESSURE (PA) Y	ECCEN (M) X	ECCEN (M) Y	SHEAR (KN) X	SHEAR (KN) Y	MOMENT (MN-M) X	MOMENT (MN-M) Y	MOMENT (MN-M) Z
25TH	93.35									1468.9	4246.1	-111.4	34.4	65.6
		131.3	283.8	109	290	1208.5	978.3	13	-6					
26TH	97.01									1337.6	3962.3	-96.4	29.2	61.0
		126.7	286.9	109	290	1166.6	988.8	13	-6					
27TH	100.68									1214.9	3675.5	-82.4	24.6	56.4
		122.2	289.9	109	290	1124.8	999.3	14	-6					
28TH	104.34									1088.8	3385.6	-69.5	20.4	51.8
		117.6	293.0	109	290	1083.0	1009.8	14	-5					
29TH	108.00									971.1	3092.6	-57.6	16.4	47.2
		113.1	296.0	109	290	1041.1	1020.3	14	-5					
30TH	111.66									858.1	2796.6	-46.9	13.3	42.5
		109.0	299.3	109	290	1003.1	1031.6	14	-5					
31ST	115.32									749.1	2497.4	-37.2	10.3	37.7
		106.6	303.3	109	290	981.2	1045.6	14	-5					
32ND	118.98									642.5	2194.0	-28.6	7.8	33.0
		104.2	307.4	109	290	959.2	1059.5	14	-5					
33RD	122.64									538.4	1886.7	-21.1	5.6	28.3
		101.8	311.4	109	290	937.3	1073.5	14	-5					
34TH	126.30									436.6	1575.2	-14.8	3.8	23.5
		99.4	315.5	109	290	915.3	1087.5	14	-4					
35TH	129.96									337.1	1259.8	-9.6	2.4	18.7
		97.0	319.5	109	290	893.4	1101.5	14	-4					
36TH	133.62									240.1	940.2	-5.6	1.3	13.9
		89.4	318.5	109	290	823.5	1097.8	14	-4					
37TH	137.28									150.7	621.7	-2.7	.6	9.2
		72.8	279.0	109	290	670.7	961.6	14	-4					
38TH	140.94									77.8	342.8	-.9	.2	5.1
		77.8	342.8	162	433	480.2	791.8	14	-3					
TOP	146.44									0.0	0.0	0.0	0.0	0.0

TABLE 7 SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER TWO : BASED ON AEROELASTIC DATA
WIND DIRECTION 20 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN) X	FORCE (KN) Y	AREA (SQ M) X	AREA (SQ M) Y	PRESSURE (PA) X	PRESSURE (PA) Y	ECCEN (M) X	ECCEN (M) Y	SHEAR (KN) X	SHEAR (KN) Y	MOMENT (MN-M) X	MOMENT (MN-M) Y	MOMENT (MN-M) Z
GRND	0.00	213.4	276.1	163	436	1308.2	633.6	8	-6	3162.8	9290.3	-719.6	142.9	131.9
1ST	5.50	151.4	182.7	109	290	1394.2	629.8	8	-7	2949.4	9014.2	-669.3	126.1	128.3
2ND	9.16	157.8	181.4	109	290	1452.9	625.3	8	-7	2797.9	8831.5	-636.6	115.6	125.8
3RD	12.82	159.7	182.7	109	290	1470.2	629.7	8	-7	2640.1	8650.1	-604.6	105.6	123.3
4TH	16.48	159.4	189.6	109	290	1467.2	653.5	8	-7	2480.5	8467.4	-573.3	96.3	120.7
5TH	20.14	159.0	196.5	109	290	1464.2	677.2	9	-7	2321.1	8277.8	-542.7	87.5	118.0
6TH	23.80	155.3	202.3	109	290	1429.9	697.2	9	-7	2162.1	8081.4	-512.7	79.3	115.1
7TH	27.46	149.5	207.0	109	290	1376.3	713.4	9	-7	2006.8	7879.1	-483.5	71.6	112.2
8TH	31.12	143.7	211.7	109	290	1322.6	729.6	10	-7	1857.3	7672.1	-455.0	64.6	109.3
9TH	34.78	137.8	216.4	109	290	1269.0	745.8	10	-6	1713.6	7460.5	-427.3	58.0	106.3
10TH	38.44	132.0	221.1	109	290	1215.4	762.0	10	-6	1575.8	7244.1	-400.4	52.0	103.2
11TH	42.11	126.2	225.8	109	290	1161.7	778.2	11	-6	1443.8	7023.0	-374.3	46.5	100.1
12TH	45.77	119.4	229.4	109	290	1099.6	790.6	11	-6	1317.6	6797.2	-349.0	41.4	96.9
13TH	49.43	111.8	230.2	109	290	1029.3	793.5	11	-6	1198.2	6567.9	-324.6	36.8	93.7
14TH	53.09	104.2	231.0	109	290	958.9	796.3	12	-5	1086.4	6337.7	-300.9	32.6	90.4
15TH	56.75	96.5	231.8	109	290	888.6	799.2	12	-5	982.3	6106.7	-278.2	28.9	87.1
16TH	60.41	88.9	232.7	109	290	818.3	802.0	13	-5	885.8	5874.8	-256.2	25.4	83.8
17TH	64.07	81.2	233.5	109	290	748.0	804.8	13	-5	796.9	5642.2	-235.2	22.4	80.4
18TH	67.73	74.3	234.6	109	290	684.1	808.6	13	-4	715.6	5408.7	-214.9	19.6	77.0
19TH	71.39	68.4	236.3	109	290	629.5	814.6	14	-4	641.3	5174.1	-195.6	17.1	73.6
20TH	75.05	62.4	238.0	109	290	574.9	820.5	14	-4	572.9	4937.8	-177.0	14.9	70.1
21ST	78.71	56.5	239.8	109	290	520.3	826.5	14	-3	510.5	4699.8	-159.4	12.9	66.5
22ND	82.37	50.6	241.5	109	290	465.7	832.4	14	-3	454.0	4460.0	-142.6	11.1	62.9
23RD	86.03	44.7	243.2	109	290	411.2	838.4	15	-3	403.4	4218.5	-126.8	9.6	59.3
24TH	89.69	39.6	245.4	109	290	364.7	846.0	15	-2	358.7	3975.3	-111.8	8.2	55.6

TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER TWO : BASED ON AEROELASTIC DATA
WIND DIRECTION 20 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN) X	FORCE (KN) Y	AREA (SQ M) X	AREA (SQ M) Y	PRESSURE (PA) X	PRESSURE (PA) Y	ECCEN (M) X	ECCEN (M) Y	SHEAR (KN) X	SHEAR (KN) Y	MOMENT (MN-M) X	MOMENT (MN-M) Y	MOMENT (MN-M) Z
25TH	93.35									[illegible]	3729 9	-97.7	[illegible]	51.9
		36.6	249.2	109	290	337.2	859.2	15	-2					
26TH	97.01									[illegible]	3480.6	-84.5	[illegible]	48.2
		33.6	253.1	109	290	309.7	872.4	15	-2					
27TH	100.68									[illegible]	3227.6	-72.2	[illegible]	44.4
		30.6	256.9	109	290	282.2	885.6	14	-2					
28TH	104.34									[illegible]	2970.7	-60.8	[illegible]	40.7
		27.7	260.7	109	290	254.6	898.8	14	-2					
29TH	108.00									[illegible]	2709.9	-50.4	3.2	36.9
		24.7	264.6	109	290	227.1	912.0	14	-1					
30TH	111.66									[illegible]	2445.3	-41.0	[illegible]	33.2
		22.1	268.4	109	290	203.1	925.3	14	-1					
31ST	115.32									[illegible]	2176.9	-32.5	[illegible].0	29.4
		21 0	269.0	109	290	193.4	927.2	14	-1					
32ND	118.98									[illegible]	1907.9	-25.1	[illegible]	25.6
		20.0	269.3	109	290	183 8	928.1	14	-1					
33RD	122.64									[illegible]	1638.7	-18.6	[illegible]	21.9
		18.9	269.5	109	290	174 1	929.0	14	-1					
34TH	126.30									[illegible]	1369.2	-13.1	[illegible]	18.2
		17.9	269.8	109	290	164.5	929.9	14	-1					
35TH	129.96									[illegible]	1099.4	-8.6	[illegible]	14.5
		16.8	270.0	109	290	154.8	930.8	14	-1					
36TH	133.62									[illegible]	829.4	-5.0	[illegible]	10.8
		15.7	268.9	109	290	144.5	926.8	13	-1					
37TH	137.28									[illegible]	560.5	-2.5	[illegible]	7.2
		14.4	243.7	109	290	132.8	840.0	13	-1					
38TH	140.94									[illegible]	316.8	-.9	[illegible]	4.0
		19.2	316.8	162	433	118.3	731.8	13	-1					
TOP	146.44									[illegible]	0.0	0.0	0.[illegible]	0.0

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TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER TWO : BASED ON AEROELASTIC DATA
WIND DIRECTION 30 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN) X	FORCE (KN) Y	AREA (SQ M) X	AREA (SQ M) Y	PRESSURE (PA) X	PRESSURE (PA) Y	ECCEN (M) X	ECCEN (M) Y	SHEAR (KN) X	SHEAR (KN) Y	MOMENT (MN-M) X	MOMENT (MN-M) Y	MOMENT (MN-M) Z
GRND	0.00									2670.7	9584.7	-744.6	166.6	114.7
		169.6	334.9	163	436	1039.5	768.5	7	-4					
1ST	5.50									2501.1	9249.9	-692.8	152.4	111.7
		111.7	213.6	109	290	1028.9	736.2	7	-4					
2ND	9.16									2389.4	9036.3	-659.3	143.4	109.6
		109.9	205.7	109	290	1011.9	709.0	8	-4					
3RD	12.82									2279.5	8830.6	-626.6	134.9	107.6
		105.3	200.6	109	290	969.7	691.3	8	-4					
4TH	16.48									2174.1	8630.0	-594.6	126.7	105.6
		99.4	200.9	109	290	915.1	692.6	9	-4					
5TH	20.14									2074.8	8429.1	-563.4	118.9	103.4
		93.5	201.3	109	290	860.5	693.9	9	-4					
6TH	23.80									1981.3	8227.8	-532.9	111.5	101.1
		88.6	202.8	109	290	816.0	699.2	10	-4					
7TH	27.46									1892.7	8025.0	-503.2	104.4	98.8
		84.5	205.3	109	290	777.6	707.8	10	-4					
8TH	31.12									1808.2	7819.6	-474.2	97.7	96.3
		80.3	207.8	109	290	739.2	716.4	11	-4					
9TH	34.78									1727.9	7611.8	-445.9	91.2	93.8
		76.1	210.3	109	290	700.9	725.0	11	-4					
10TH	38.44									1651.8	7401.5	-418.5	85.0	91.2
		72.0	212.8	109	290	662.5	733.6	11	-4					
11TH	42.11									1579.9	7188.6	-391.8	79.1	88.5
		67.8	215.3	109	290	624.1	742.2	12	-4					
12TH	45.77									1512.1	6973.3	-365.8	73.4	85.8
		65.0	218.1	109	290	598.2	751.8	12	-4					
13TH	49.43									1447.1	6755.2	-340.7	68.0	83.0
		63.4	220.6	109	290	584.1	760.5	12	-3					
14TH	53.09									1383.7	6534.6	-316.4	62.8	80.1
		61.9	223.1	109	290	569.9	769.1	12	-3					
15TH	56.75									1321.8	6311.5	-292.9	57.9	77.2
		60.4	225.6	109	290	555.8	777.8	12	-3					
16TH	60.41									1261.4	6085.8	-270.2	53.1	74.2
		58.8	228.1	109	290	541.7	786.4	12	-3					
17TH	64.07									1202.6	5857.7	-248.3	48.6	71.2
		57.3	230.6	109	290	527.6	795.1	12	-3					
18TH	67.73									1145.2	5627.0	-227.3	44.3	68.2
		55.8	233.2	109	290	514.1	803.8	13	-3					
19TH	71.39									1089.4	5393.9	-207.1	40.3	65.1
		54.5	235.6	109	290	501.3	812.2	13	-3					
20TH	75.05									1035.0	5158.2	-187.8	36.4	61.9
		53.1	238.1	109	290	488.6	820.7	13	-3					
21ST	78.71									981.9	4920.1	-169.4	32.7	58.8
		51.7	240.5	109	290	475.9	829.1	13	-3					
22ND	82.37									930.2	4679.6	-151.8	29.2	55.6
		50.3	243.0	109	290	463.1	837.5	13	-3					
23RD	86.03									879.9	4436.6	-135.1	25.9	52.4
		48.9	245.4	109	290	450.4	846.0	13	-3					
24TH	89.69									831.0	4191.2	-119.3	22.7	49.2
		48.7	248.5	109	290	448.5	856.5	13	-2					

TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER TWO : BASED ON AEROELASTIC DATA
WIND DIRECTION 30 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN) X	FORCE (KN) Y	AREA (SQ M) X	AREA (SQ M) Y	PRESSURE (PA) X	PRESSURE (PA) Y	ECCEN (M) X	ECCEN (M) Y	SHEAR (KN) X	SHEAR (KN) Y	MOMENT (MN-M) X	MOMENT (MN-M) Y	MOMENT (MN-M) Z
25TH	93.35									782.3	3942.8	-104.4	19.8	45.9
		51.2	253.9	109	290	471.8	875.1	12	-3					
26TH	97.01									731.0	3688.9	-90.5	17.0	42.6
		53.8	259.3	109	290	495.1	893.7	12	-3					
27TH	100.68									677.3	3429.6	-77.4	14.4	39.3
		56.3	264.6	109	290	518.3	912.2	12	-3					
28TH	104.34									621.0	3165.0	-65.4	12.1	36.0
		58.8	270.0	109	290	541.6	930.8	12	-3					
29TH	108.00									562.1	2895.0	-54.3	9.9	32.7
		61.4	275.4	109	290	564.9	949.4	12	-3					
30TH	111.66									500.8	2619.5	-44.2	7.9	29.3
		63.0	280.4	109	290	580.2	966.5	11	-3					
31ST	115.32									437.8	2339.1	-35.1	6.2	26.0
		61.1	283.1	109	290	562.8	976.0	11	-2					
32ND	118.98									376.6	2056.0	-27.1	4.7	22.6
		59.2	285.8	109	290	545.3	985.3	11	-2					
33RD	122.64									317.4	1770.2	-20.1	3.5	19.3
		57.3	288.5	109	290	527.9	994.6	11	-2					
34TH	126.30									260.1	1481.6	-14.1	2.4	16.0
		55.4	291.2	109	290	510.4	1003.9	11	-2					
35TH	129.96									204.7	1190.4	-9.2	1.6	12.7
		53.5	293.9	109	290	492.9	1013.2	11	-2					
36TH	133.62									151.1	896.5	-5.4	.9	9.4
		50.3	294.2	109	290	462.9	1014.0	11	-2					
37TH	137.28									100.8	602.3	-2.7	.4	6.2
		44.7	264.1	109	290	411.1	910.3	10	-2					
38TH	140.94									56.2	338.2	-.9	.2	3.4
		56.2	338.2	162	433	346.6	781.2	10	-2					
TOP	146.44									0.0	0.0	0.0	0.0	0.0

TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER TWO : BASED ON AEROELASTIC DATA
WIND DIRECTION 40 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN)		AREA (SQ M)		PRESSURE (PA)		ECCEN (M)		SHEAR (KN)		MOMENT (MN-M)		
		X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	Z
GRND	0.00									2329.9	12075.2	-948.9	175.7	93.0
		111.9	433.8	163	436	686.0	995.5	5	-1					
1ST	5.50									2218.0	11641.4	-883.7	163.2	90.6
		67.6	269.8	109	290	622.0	929.9	6	-1					
2ND	9.16									2150.4	11371.7	-841.6	155.2	88.9
		62.2	254.7	109	290	572.7	878.0	6	-1					
3RD	12.82									2088.2	11117.0	-800.4	147.5	87.3
		59.3	246.5	109	290	545.9	849.9	6	-1					
4TH	16.48									2028.9	10870.4	-760.2	139.9	85.7
		57.6	247.2	109	290	530.1	852.0	7	-2					
5TH	20.14									1971.3	10623.2	-720.8	132.6	84.0
		55.9	247.8	109	290	514.3	854.2	7	-2					
6TH	23.80									1915.5	10375.4	-682.4	125.5	82.2
		54.6	249.5	109	290	502.7	860.0	7	-2					
7TH	27.46									1860.9	10125.9	-644.9	118.6	80.3
		53.6	251.9	109	290	493.7	868.3	7	-2					
8TH	31.12									1807.3	9874.1	-608.3	111.9	78.3
		52.7	254.3	109	290	484.8	876.5	8	-2					
9TH	34.78									1754.6	9619.8	-572.6	105.3	76.3
		51.7	256.7	109	290	475.8	884.8	8	-2					
10TH	38.44									1702.9	9363.1	-537.8	99.0	74.2
		50.7	259.1	109	290	466.9	893.0	8	-2					
11TH	42.11									1652.2	9104.0	-504.0	92.9	72.0
		49.7	261.5	109	290	457.9	901.3	8	-2					
12TH	45.77									1602.5	8842.6	-471.2	86.9	69.8
		49.2	264.2	109	290	452.9	910.7	8	-2					
13TH	49.43									1553.3	8578.4	-439.3	81.1	67.5
		49.0	267.4	109	290	451.5	921.8	9	-2					
14TH	53.09									1504.3	8311.0	-408.4	75.5	65.1
		48.9	270.7	109	290	450.1	933.0	9	-2					
15TH	56.75									1455.4	8040.3	-378.5	70.1	62.7
		48.7	273.9	109	290	448.7	944.2	9	-2					
16TH	60.41									1406.7	7766.3	-349.5	64.9	60.3
		48.6	277.2	109	290	447.3	955.4	9	-2					
17TH	64.07									1358.1	7489.2	-321.6	59.8	57.7
		48.4	280.4	109	290	445.9	966.6	9	-2					
18TH	67.73									1309.7	7208.8	-294.7	54.9	55.2
		48.7	284.1	109	290	448.0	979.4	9	-2					
19TH	71.39									1261.0	6924.6	-268.8	50.2	52.6
		49.5	289.4	109	290	455.4	997.7	9	-2					
20TH	75.05									1211.5	6635.2	-244.0	45.7	49.9
		50.3	294.7	109	290	462.8	1016.0	9	-1					
21ST	78.71									1161.3	6340.5	-220.3	41.4	47.3
		51.1	300.1	109	290	470.2	1034.3	9	-1					
22ND	82.37									1110.2	6040.4	-197.6	37.2	44.6
		51.9	305.4	109	290	477.6	1052.6	9	-1					
23RD	86.03									1058.3	5735.1	-176.1	33.2	41.9
		52.7	310.7	109	290	484.9	1070.9	8	-1					
24TH	89.69									1005.7	5424.4	-155.6	29.5	39.2
		53.9	316.3	109	290	496.3	1090.3	8	-1					

TABLE 7 SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER TWO : BASED ON AEROELASTIC DATA
WIND DIRECTION 40 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN) X	FORCE (KN) Y	AREA (SQ M) X	AREA (SQ M) Y	PRESSURE (PA) X	PRESSURE (PA) Y	ECCEN (M) X	ECCEN (M) Y	SHEAR (KN) X	SHEAR (KN) Y	MOMENT (MN-M) X	MOMENT (MN-M) Y	MOMENT (MN-M) Z
25TH	93.35									951.8	5108.1	-136.4	25.9	36.5
		56.1	323.3	109	290	516.8	1114.6	8	-1					
26TH	97.01									895.6	4784.7	-118.2	22.5	33.8
		58.4	330.4	109	290	537.2	1138.8	8	-1					
27TH	100.68									837.3	4454.4	-101.3	19.3	31.1
		60.6	337.4	109	290	557.7	1163.0	8	-1					
28TH	104.34									776.7	4117.0	-85.6	16.4	28.3
		62.8	344.4	109	290	578.2	1187.2	8	-1					
29TH	108.00									713.9	3772.6	-71.2	13.6	25.6
		65.0	351.4	109	290	598.7	1211.4	7	-1					
30TH	111.66									648.9	3421.1	-58.0	11.1	23.0
		67.0	358.4	109	290	617.2	1235.4	7	-1					
31ST	115.32									581.8	3062.7	-46.2	8.9	20.3
		68.1	364.3	109	290	627.3	1255.8	7	-1					
32ND	118.98									513.7	2698.4	-35.6	6.9	17.6
		69.2	370.2	109	290	637.4	1276.1	7	-1					
33RD	122.64									444.5	2328.2	-26.4	5.1	15.0
		70.3	376.1	109	290	647.5	1296.3	7	-1					
34TH	126.30									374.2	1952.1	-18.6	3.6	12.4
		71.4	381.9	109	290	657.6	1316.6	7	-1					
35TH	129.96									302.7	1570.2	-12.1	2.4	9.8
		72.5	387.8	109	290	667.8	1336.8	6	-1					
36TH	133.62									230.2	1182.4	-7.1	1.4	7.2
		71.6	389.0	109	290	658.9	1340.9	6	-1					
37TH	137.28									158.6	793.4	-3.5	.7	4.7
		67.0	348.5	109	290	617.2	1201.4	6	-1					
38TH	140.94									91.6	444.9	-1.2	.3	2.6
		91.6	444.9	162	433	565.2	1027.5	6	-1					
TOP	146.44									0.0	0.0	0.0	0.0	0.0

TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER TWO : BASED ON AEROELASTIC DATA
WIND DIRECTION 50 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN) X	FORCE (KN) Y	AREA (SQ M) X	AREA (SQ M) Y	PRESSURE (PA) X	PRESSURE (PA) Y	ECCEN (M) X	ECCEN (M) Y	SHEAR (KN) X	SHEAR (KN) Y	MOMENT (MN-M) X	MOMENT (MN-M) Y	MOMENT (MN-M) Z
GRND	0.00	101.5	454.9	163	436	621.9	1044.0	8	-2	2623.4	13131.9	-1047.3	214.7	133.9
1ST	5.50	63.0	284.3	109	290	580.4	979.9	9	-2	2521.9	12677.0	-976.4	200.5	130.1
2ND	9.16	59.3	269.3	109	290	545.9	928.3	10	-2	2458.9	12392.7	-930.5	191.4	127.5
3RD	12.82	57.1	261.2	109	290	526.2	900.3	10	-2	2399.6	12123.4	-885.6	182.5	124.7
4TH	16.48	55.8	262.1	109	290	513.6	903.6	10	-2	2342.4	11862.2	-841.7	173.8	121.9
5TH	20.14	54.4	263.1	109	290	501.0	906.9	11	-2	2286.6	11600.1	-798.8	165.3	119.1
6TH	23.80	53.3	264.8	109	290	490.8	912.7	11	-2	2232.2	11337.0	-756.8	157.1	116.2
7TH	27.46	52.3	266.8	109	290	481.9	919.6	11	-2	2178.9	11072.2	-715.8	149.0	113.2
8TH	31.12	51.4	268.8	109	290	473.0	926.4	12	-2	2126.6	10805.4	-675.7	141.1	110.1
9TH	34.78	50.4	270.8	109	290	464.2	933.3	12	-2	2075.2	10536.6	-636.7	133.4	106.8
10TH	38.44	49.5	272.7	109	290	455.3	940.2	12	-2	2024.8	10265.9	-598.6	125.9	103.5
11TH	42.11	48.5	274.7	109	290	446.4	947.0	13	-2	1975.3	9993.1	-561.5	118.6	100.1
12TH	45.77	47.9	277.2	109	290	440.6	955.6	13	-2	1926.9	9718.4	-525.4	111.5	96.5
13TH	49.43	47.5	280.8	109	290	437.6	967.8	13	-2	1879.0	9441.2	-490.4	104.5	92.9
14TH	53.09	47.2	284.3	109	290	434.5	979.9	13	-2	1831.5	9160.4	-456.3	97.7	89.3
15TH	56.75	46.9	287.8	109	290	431.5	992.1	13	-2	1784.3	8876.1	-423.3	91.1	85.6
16TH	60.41	46.5	291.3	109	290	428.5	1004.2	13	-2	1737.4	8588.3	-391.3	84.6	81.9
17TH	64.07	46.2	294.9	109	290	425.5	1016.4	13	-2	1690.9	8297.0	-360.4	78.4	78.1
18TH	67.73	47.2	299.6	109	290	434.3	1032.9	12	-2	1644.7	8002.1	-330.6	72.3	74.3
19TH	71.39	50.0	307.2	109	290	460.3	1059.0	12	-2	1597.5	7702.5	-301.9	66.3	70.5
20TH	75.05	52.8	314.8	109	290	486.4	1085.1	12	-2	1547.5	7395.3	-274.2	60.6	66.7
21ST	78.71	55.7	322.4	109	290	512.4	1111.3	12	-2	1494.7	7080.5	-247.7	55.0	62.8
22ND	82.37	58.5	330.0	109	290	538.4	1137.4	11	-2	1439.0	6758.1	-222.4	49.6	58.9
23RD	86.03	61.3	337.5	109	290	564.4	1163.5	11	-2	1380.5	6428.1	-198.3	44.5	55.1
24TH	89.69	64.4	345.5	109	290	593.3	1190.8	11	-2	1319.2	6090.6	-175.4	39.5	51.2

TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER TWO : BASED ON AEROELASTIC DATA
WIND DIRECTION 50 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN) X	FORCE (KN) Y	AREA (SQ M) X	AREA (SQ M) Y	PRESSURE (PA) X	PRESSURE (PA) Y	ECCEN (M) X	ECCEN (M) Y	SHEAR (KN) X	SHEAR (KN) Y	MOMENT (MN-M) X	MOMENT (MN-M) Y	MOMENT (MN-M) Z
25TH	93.35									1254.8	5745.1	-153.7	34.8	47.3
		68.3	356.0	109	290	628.8	1227.1	10	-2					
26TH	97.01									1186.5	5389.1	-133.3	30.3	43.4
		72.2	366.5	109	290	664.4	1263.3	10	-2					
27TH	100.68									1114.3	5022.6	-114.3	26.1	39.6
		76.0	377.0	109	290	699.9	1299.6	10	-2					
28TH	104.34									1038.3	4645.6	-96.6	22.2	35.9
		79.9	387.5	109	290	735.4	1335.8	9	-2					
29TH	108.00									958.5	4258.1	-80.3	18.5	32.1
		83.7	398.1	109	290	770.9	1372.1	9	-2					
30TH	111.66									874.7	3860.0	-65.4	15.2	28.4
		87.3	408.4	109	290	803.7	1407.8	9	-2					
31ST	115.32									787.4	3451.6	-52.0	12.1	24.8
		89.6	413.8	109	290	824.8	1426.5	8	-2					
32ND	118.98									697.8	3037.8	-40.1	9.4	21.3
		91.9	418.9	109	290	846.0	1443.8	8	-2					
33RD	122.64									606.0	2618.9	-29.8	7.0	17.9
		94.2	423.9	109	290	867.2	1461.1	7	-2					
34TH	126.30									511.8	2195.1	-21.0	5.0	14.6
		96.5	428.9	109	290	888.3	1478.5	7	-2					
35TH	129.96									415.3	1766.1	-13.7	3.3	11.4
		98.8	433.9	109	290	909.5	1495.8	7	-2					
36TH	133.62									316.5	1332.2	-8.1	2.0	8.4
		98.1	432.9	109	290	902.8	1492.2	6	-1					
37TH	137.28									218.5	899.3	-4.0	1.0	5.4
		92.1	391.6	109	290	848.0	1350.0	6	-1					
38TH	140.94									126.4	507.7	-1.4	.3	2.9
		126.4	507.7	162	433	779.5	1172.6	5	-1					
TOP	146.44									0.0	0.0	0.0	0.0	0.0

TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER TWO : BASED ON AEROELASTIC DATA
WIND DIRECTION 60 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN) X	FORCE (KN) Y	AREA (SQ M) X	AREA (SQ M) Y	PRESSURE (PA) X	PRESSURE (PA) Y	ECCEN (M) X	ECCEN (M) Y	SHEAR (KN) X	SHEAR (KN) Y	MOMENT (MN-M) X	MOMENT (MN-M) Y	MOMENT (MN-M) Z
GRND	0.00									1829.6	11147.7	-906.0	161.0	[illegible]
		65.8	378.3	163	436	403.2	868.0	11	-2					
1ST	5.50									1763.8	10769.4	-845.8	151.1	[illegible]
		39.7	234.0	109	290	365.8	806.5	12	-2					
2ND	9.16									1724.0	10535.4	-806.8	144.7	[illegible]
		36.7	219.9	109	290	337.9	758.0	13	-2					
3RD	12.82									1687.3	10315.5	-768.6	138.5	[illegible]
		35.3	212.3	109	290	324.9	731.7	14	-2					
4TH	16.48									1652.1	10103.3	-731.2	132.4	[illegible]
		34.7	212.8	109	290	319.1	733.4	15	-2					
5TH	20.14									1617.4	9890.5	-694.6	126.4	[illegible]
		34.0	213.3	109	290	313.4	735.2	15	-2					
6TH	23.80									1583.4	9677.2	-658.8	120.5	[illegible]
		33.0	214.3	109	290	303.8	738.7	16	-2					
7TH	27.46									1550.4	9462.9	-623.8	114.8	[illegible]
		31.7	216.1	109	290	292.0	745.0	16	-2					
8TH	31.12									1518.7	9246.8	-589.6	109.2	[illegible]
		30.4	218.0	109	290	280.1	751.4	17	-2					
9TH	34.78									1488.2	9028.8	-556.1	103.7	[illegible]
		29.1	219.8	109	290	268.3	757.7	18	-2					
10TH	38.44									1459.1	8809.0	-523.5	98.3	[illegible]
		27.8	221.6	109	290	256.4	764.0	18	-2					
11TH	42.11									1431.2	8587.3	-491.6	93.0	[illegible]
		26.6	223.5	109	290	244.5	770.3	19	-2					
12TH	45.77									1404.7	8363.9	-460.6	87.8	[illegible]
		26.1	226.2	109	290	239.9	779.6	19	-2					
13TH	49.43									1378.6	8137.7	-430.4	82.7	[illegible]
		26.3	230.0	109	290	242.0	792.8	19	-2					
14TH	53.09									1352.3	7907.7	-401.0	77.7	[illegible]
		26.5	233.8	109	290	244.2	805.9	19	-2					
15TH	56.75									1325.8	7673.9	-372.5	72.8	[illegible]
		26.8	237.6	109	290	246.3	819.1	19	-2					
16TH	60.41									1299.1	7436.3	-344.8	68.0	[illegible]
		27.0	241.4	109	290	248.5	832.3	19	-2					
17TH	64.07									1272.1	7194.9	-318.1	63.3	[illegible]
		27.2	245.3	109	290	250.7	845.4	18	-2					
18TH	67.73									1244.8	6949.6	-292.2	58.7	[illegible]
		28.2	249.9	109	290	259.3	861.4	18	-2					
19TH	71.39									1216.7	6699.7	-267.2	54.2	[illegible]
		30.1	256.6	109	290	277.5	884.3	17	-2					
20TH	75.05									1186.5	6443.1	-243.1	49.8	[illegible]
		32.1	263.2	109	290	295.7	907.3	17	-2					
21ST	78.71									1154.4	6180.0	-220.0	45.5	[illegible]
		34.1	269.8	109	290	313.9	930.2	16	-2					
22ND	82.37									1120.3	5910.1	-197.9	41.3	[illegible]
		36.1	276.5	109	290	332.1	953.1	16	-2					
23RD	86.03									1084.3	5633.6	-176.8	37.3	[illegible]
		38.0	283.1	109	290	350.3	976.0	15	-2					
24TH	89.69									1046.2	5350.5	-156.7	33.4	[illegible]
		40.6	290.4	109	290	373.8	1001.1	14	-2					

TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER TWO : BASED ON AEROELASTIC DATA
WIND DIRECTION 60 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN) X	FORCE (KN) Y	AREA (SQ M) X	AREA (SQ M) Y	PRESSURE (PA) X	PRESSURE (PA) Y	ECCEN (M) X	ECCEN (M) Y	SHEAR (KN) X	SHEAR (KN) Y	MOMENT (MN-M) X	MOMENT (MN-M) Y	MOMENT (MN-M) Z
25TH	93.35									1005.6	5060.1	-137.6	29.6	41.7
		44.5	300.6	109	290	409.7	1036.1	14	-2					
26TH	97.01									961.1	4759.5	-119.6	26.0	37.6
		48.4	310.7	109	290	445.6	1071.1	13	-2					
27TH	100.68									912.7	4448.8	-102.8	22.6	33.5
		52.3	320.9	109	290	481.6	1106.0	12	-2					
28TH	104.34									860.4	4127.9	-87.1	19.4	29.6
		56.2	331.0	109	290	517.5	1141.0	11	-2					
29TH	108.00									804.2	3796.9	-72.6	16.3	25.8
		60.1	341.1	109	290	553.4	1175.9	11	-2					
30TH	111.66									744.1	3455.8	-59.3	13.5	22.1
		64.1	351.5	109	290	590.4	1211.6	10	-2					
31ST	115.32									680.0	3104.3	-47.3	10.9	18.5
		68.7	360.0	109	290	632.1	1240.9	9	-2					
32ND	118.98									611.3	2744.3	-36.6	8.5	15.2
		73.2	368.2	109	290	673.7	1269.4	8	-2					
33RD	122.64									538.1	2376.0	-27.2	6.4	12.2
		77.7	376.5	109	290	715.4	1297.8	7	-1					
34TH	126.30									460.4	1999.5	-19.2	4.6	9.4
		82.2	384.7	109	290	757.0	1326.2	6	-1					
35TH	129.96									378.2	1614.8	-12.6	3.0	6.8
		86.7	393.0	109	290	798.7	1354.7	6	-1					
36TH	133.62									291.5	1221.8	-7.4	1.8	4.5
		88.2	394.9	109	290	812.2	1361.4	5	-1					
37TH	137.28									203.3	826.8	-3.7	.9	2.4
		84.4	358.8	109	290	777.1	1236.6	4	-1					
38TH	140.94									118.9	468.1	-1.3	.3	1.0
		118.9	468.1	162	433	733.3	1081.2	2	-1					
TOP	146.44									0.0	0.0	0.0	0.0	0.0

TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER TWO : BASED ON AEROELASTIC DATA
WIND DIRECTION 70 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN) X	FORCE (KN) Y	AREA (SQ M) X	AREA (SQ M) Y	PRESSURE (PA) X	PRESSURE (PA) Y	ECCEN (M) X	ECCEN (M) Y	SHEAR (KN) X	SHEAR (KN) Y	MOMENT (MN-M) X	MOMENT (MN-M) Y	MOMENT (MN-M) Z
GRND	0.00									2193.0	8472.6	-696.9	189.2	343.3
		68.7	285.0	163	436	421.2	654.0	51	-12					
1ST	5.50									2124.2	8187.6	-651.1	177.3	328.4
		43.0	179.2	109	290	396.0	617.7	101	-24					
2ND	9.16									2081.2	8008.5	-621.4	169.6	308.8
		40.8	170.8	109	290	376.1	588.7	147	-35					
3RD	12.82									2040.4	7837.7	-592.4	162.1	282.3
		40.4	166.3	109	290	371.7	573.4	156	-38					
4TH	16.48									2000.0	7671.3	-564.0	154.7	254.8
		40.7	166.2	109	290	374.9	572.8	155	-38					
5TH	20.14									1959.3	7505.2	-536.3	147.4	227.5
		41.1	166.0	109	290	378.1	572.2	154	-38					
6TH	23.80									1918.2	7339.2	-509.1	140.3	200.4
		40.7	165.7	109	290	374.7	571.1	150	-37					
7TH	27.46									1877.5	7173.5	-482.5	133.4	174.1
		39.9	165.7	109	290	367.2	571.0	146	-35					
8TH	31.12									1837.6	7007.8	-456.6	126.6	148.6
		39.1	165.7	109	290	359.7	571.0	141	-33					
9TH	34.78									1798.6	6842.2	-431.2	119.9	123.8
		38.2	165.7	109	290	352.1	571.0	137	-32					
10TH	38.44									1760.3	6676.5	-406.5	113.4	99.9
		37.4	165.6	109	290	344.6	571.0	133	-30					
11TH	42.11									1722.9	6510.9	-382.4	107.0	76.7
		36.6	165.6	109	290	337.1	571.0	129	-28					
12TH	45.77									1686.3	6345.2	-358.8	100.8	54.3
		36.5	166.4	109	290	336.1	573.7	122	-27					
13TH	49.43									1649.8	6178.8	-335.9	94.7	33.1
		37.1	168.3	109	290	341.3	580.0	114	-25					
14TH	53.09									1612.7	6010.6	-313.6	88.7	12.9
		37.6	170.1	109	290	346.6	586.3	106	-24					
15TH	56.75									1575.1	5840.5	-291.9	82.9	-6.0
		38.2	171.9	109	290	351.8	592.6	99	-22					
16TH	60.41									1536.9	5668.5	-270.8	77.2	-23.8
		38.8	173.8	109	290	357.1	599.0	91	-20					
17TH	64.07									1498.1	5494.8	-250.4	71.6	-40.4
		39.3	175.6	109	290	362.3	605.3	84	-19					
18TH	67.73									1458.7	5319.2	-230.6	66.2	-55.9
		40.4	178.2	109	290	371.9	614.3	78	-18					
19TH	71.39									1418.3	5141.0	-211.5	60.9	-70.6
		42.1	183.5	109	290	387.8	632.5	77	-18					
20TH	75.05									1376.2	4957.5	-193.0	55.8	-85.3
		43.9	188.7	109	290	403.8	650.6	75	-17					
21ST	78.71									1332.4	4768.7	-175.2	50.9	-100.2
		45.6	194.0	109	290	419.7	668.7	73	-17					
22ND	82.37									1286.8	4574.8	-158.1	46.1	-115.1
		47.3	199.2	109	290	435.7	686.8	71	-17					
23RD	86.03									1239.5	4375.5	-141.7	41.5	-130.2
		49.1	204.5	109	290	451.6	704.9	70	-17					
24TH	89.69									1190.4	4171.0	-126.0	37.0	-145.3
		51.5	210.5	109	290	473.8	725.6	64	-16					

TABLE 7 SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER TWO. : BASED ON AEROELASTIC DATA
WIND DIRECTION 70 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN) X	FORCE (KN) Y	AREA (SQ M) X	AREA (SQ M) Y	PRESSURE (PA) X	PRESSURE (PA) Y	ECCEN (M) X	ECCEN (M) Y	SHEAR (KN) X	SHEAR (KN) Y	MOMENT (MN-M) X	MOMENT (MN-M) Y	MOMENT (MN-M) Z
25TH	93.35									1138.9	3960.5	-111.2	32.7	[illegible]
		55.5	219.0	109	290	510.6	754.9	47	-12					
26TH	97.01									1083.5	3741.5	-97.1	28.7	[illegible]
		59.5	227.5	109	290	547.4	784.2	31	-8					
27TH	100.68									1024.0	3514.0	-83.8	24.8	[illegible]
		63.4	236.0	109	290	584.2	813.5	16	-4					
28TH	104.34									960.6	3278.0	-71.4	21.2	[illegible]
		67.4	244.5	109	290	620.9	842.7	3	-1					
29TH	108.00									893.1	3033.6	-59.8	17.8	[illegible]
		71.4	253.0	109	290	657.7	872.0	-10	3					
30TH	111.66									821.7	2780.6	-49.2	14.7	[illegible]
		75.4	61.4	109	290	694.1	901.1	-22	6					
31ST	115.32									746.3	2519.2	-39.5	11.8	[illegible]
		79.2	:72.5	109	290	728.9	939.3	-31	9					
32ND	118.98									667.2	2246.7	-30.7	9.2	[illegible]
		82.9	283.8	109	290	763.6	978.4	-38	11					
33RD	122.64									584.2	1962.8	-23.0	6.9	[illegible]
		86.7	295.2	109	290	798.4	1017.5	-46	13					
34TH	126.30									497.5	1667.6	-16.4	4.9	[illegible]
		90.5	306.5	109	290	833.2	1056.6	-52	15					
35TH	129.96									407.0	1361.1	-10.8	3.3	[illegible]
		94.3	317.9	109	290	868.0	1095.7	-58	17					
36TH	133.62									312.7	1043.3	-6.4	2.0	[illegible]
		95.0	324.2	109	290	875.1	1117.5	-59	17					
37TH	137.28									217.7	719.1	-3.2	1.0	[illegible]
		90.6	303.8	109	290	834.5	1047.1	-83	25					
38TH	140.94									127.1	415.3	-1.1	.3	[illegible]
		127.1	415.3	162	433	783.9	959.3	-116	36					
TOP	146.44									0.0	0.0	0.0	0.0	[illegible]

TABLE 7 SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER TWO : BASED ON AEROELASTIC DATA
WIND DIRECTION 80 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN)		AREA (SQ M)		PRESSURE (PA)		ECCEN (M)		SHEAR (KN)		MOMENT (MN-M)		
		X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	Z
GRND	0.00									3340.8	9195.2	-736.5	275.6	[illegible]
		96.8	312.6	163	436	593.0	717.3	-9	3					
1ST	5.50									3244.1	8882.6	-686.8	257.5	[illegible]
		60.9	201.0	109	290	560.5	693.0	-8	3					
2ND	9.16									3183.2	8681.6	-654.7	245.8	[illegible]
		57.9	195.2	109	290	533.3	673.0	-8	2					
3RD	12.82									3125.3	8486.4	-623.3	234.2	[illegible]
		57.8	192.1	109	290	532.2	662.1	-8	2					
4TH	16.48									3067.5	8294.3	-592.5	222.9	[illegible]
		59.1	189.9	109	290	543.7	654.7	-9	3					
5TH	20.14									3008.4	8104.4	-562.5	211.8	[illegible]
		60.3	187.8	109	290	555.3	647.3	-9	3					
6TH	23.80									2948.1	7916.6	-533.2	200.9	[illegible]
		61.5	186.7	109	290	566.5	643.7	-10	3					
7TH	27.46									2886.6	7729.8	-504.6	190.2	[illegible]
		62.7	187.8	109	290	577.5	647.5	-10	3					
8TH	31.12									2823.8	7542.0	-476.6	179.7	[illegible]
		63.9	189.0	109	290	588.5	651.4	-10	3					
9TH	34.78									2759.9	7353.0	-449.4	169.5	[illegible]
		65.1	190.1	109	290	599.5	655.2	-10	4					
10TH	38.44									2694.8	7162.9	-422.8	159.5	[illegible]
		66.3	191.2	109	290	610.5	659.1	-11	4					
11TH	42.11									2628.5	6971.7	-396.9	149.8	[illegible]
		67.5	192.3	109	290	621.5	662.9	-11	4					
12TH	45.77									2561.0	6779.4	-371.7	140.3	[illegible]
		68.8	193.6	109	290	633.1	667.3	-11	4					
13TH	49.43									2492.2	6585.8	-347.3	131.0	[illegible]
		70.1	195.3	109	290	645.2	673.3	-11	4					
14TH	53.09									2422.2	6390.5	-323.5	122.0	[illegible]
		71.4	197.0	109	290	657.3	679.2	-11	4					
15TH	56.75									2350.8	6193.5	-300.5	113.3	[illegible]
		72.7	198.8	109	290	669.4	685.2	-11	4					
16TH	60.41									2278.1	5994.7	-278.2	104.8	[illegible]
		74.0	200.5	109	290	681.4	691.2	-11	4					
17TH	64.07									2204.1	5794.2	-256.6	96.6	[illegible]
		75.3	202.2	109	290	693.5	697.2	-11	4					
18TH	67.73									2128.7	5591.9	-235.8	88.7	[illegible]
		77.1	204.8	109	290	710.1	705.8	-11	4					
19TH	71.39									2051.6	5387.2	-215.7	81.0	[illegible]
		79.6	209.3	109	290	733.3	721.6	-11	4					
20TH	75.05									1972.0	5177.8	-196.3	73.7	[illegible]
		82.2	213.9	109	290	756.5	737.4	-11	4					
21ST	78.71									1889.8	4963.9	-177.8	66.6	[illegible]
		84.7	218.5	109	290	779.6	753.2	-11	4					
22ND	82.37									1805.1	4745.4	-160.0	59.9	[illegible]
		87.2	223.1	109	290	802.8	769.0	-11	4					
23RD	86.03									1717.9	4522.3	-143.0	53.4	[illegible]
		89.7	227.7	109	290	826.0	784.8	-11	5					
24TH	89.69									1628.2	4294.6	-126.9	47.3	[illegible]
		92.2	232.2	109	290	849.0	800.5	-11	5					

TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER TWO : BASED ON AEROELASTIC DATA
WIND DIRECTION 80 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN) X	FORCE (KN) Y	AREA (SQ M) X	AREA (SQ M) Y	PRESSURE (PA) X	PRESSURE (PA) Y	ECCEN (M) X	ECCEN (M) Y	SHEAR (KN) X	SHEAR (KN) Y	MOMENT (MN-M) X	MOMENT (MN-M) Y	MOMENT (MN-M) Z
25TH	93.35									1536.0	4062.4	-111.6	41.5	-43.3
		94.7	239.4	109	290	871.5	825.1	-11	4					
26TH	97.01									1441.4	3823.1	-97.2	36.0	-40.2
		97.1	246.5	109	290	894.0	849.7	-11	4					
27TH	100.68									1344.3	3576.6	-83.6	30.9	-37.1
		99.5	253.6	109	290	916.5	874.3	-11	4					
28TH	104.34									1244.7	3322.9	-71.0	26.2	-33.9
		102.0	260.8	109	290	939.0	898.9	-10	4					
29TH	108.00									1142.7	3062.2	-59.3	21.8	-30.8
		104.4	267.9	109	290	961.5	923.5	-10	4					
30TH	111.66									1038.3	2794.3	-48.6	17.8	-27.6
		106.8	275.0	109	290	983.1	948.0	-10	4					
31ST	115.32									931.5	2519.3	-38.9	14.2	-24.5
		108.7	283.5	109	290	1001.2	977.4	-10	4					
32ND	118.98									822.8	2235.7	-30.2	11.0	-21.3
		110.7	292.2	109	290	1019.3	1007.3	-9	4					
33RD	122.64									712.1	1943.5	-22.5	8.2	-18.2
		112.7	300.9	109	290	1037.3	1037.1	-9	3					
34TH	126.30									599.4	1642.6	-16.0	5.8	-15.1
		114.6	309.5	109	290	1055.4	1067.0	-9	3					
35TH	129.96									484.8	1333.1	-10.5	3.8	-12.0
		116.6	318.2	109	290	1073.5	1096.9	-8	3					
36TH	133.62									368.2	1014.9	-6.2	2.3	-9.0
		115.0	321.2	109	290	1059.0	1107.1	-8	3					
37TH	137.28									253.2	693.7	-3.1	1.1	-6.1
		107.3	296.6	109	290	988.2	1022.5	-8	3					
38TH	140.94									145.9	397.1	-1.1	.4	-3.3
		145.9	397.1	162	433	899.9	917.2	-8	3					
TOP	146.44									0.0	0.0	0.0	0.0	0.0

TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER TWO : BASED ON AEROELASTIC DATA
WIND DIRECTION 90 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN) X	FORCE (KN) Y	AREA (SQ M) X	AREA (SQ M) Y	PRESSURE (PA) X	PRESSURE (PA) Y	ECCEN (M) X	ECCEN (M) Y	SHEAR (KN) X	SHEAR (KN) Y	MOMENT (MN-M) X	MOMENT (MN-M) Y	MOMENT (MN-M) Z
GRND	0.00									4117.9	11534.9	-886.5	330.1	-97.6
		125.1	411.4	163	436	767.0	944.2	-7	2					
1ST	5.50									3992.8	11123.5	-824.2	307.8	-94.5
		78.3	262.5	109	290	720.7	904.8	-6	2					
2ND	9.16									3914.5	10861.0	-783.9	293.4	-92.6
		73.5	252.5	109	290	676.3	870.4	-6	2					
3RD	12.82									3841.1	10608.5	-744.6	279.2	-91.0
		73.3	249.3	109	290	674.8	859.4	-6	2					
4TH	16.48									3767.8	10359.2	-706.3	265.2	-89.3
		75.4	251.4	109	290	694.2	866.7	-7	2					
5TH	20.14									3692.4	10107.7	-668.8	251.6	-87.5
		77.5	253.5	109	290	713.6	873.9	-7	2					
6TH	23.80									3614.9	9854.2	-632.3	238.2	-85.6
		79.6	255.4	109	290	732.8	880.5	-7	2					
7TH	27.46									3535.3	9598.8	-596.7	225.1	-83.5
		81.7	256.9	109	290	752.0	885.7	-7	2					
8TH	31.12									3453.6	9341.9	-562.0	212.3	-81.4
		83.8	258.4	109	290	771.2	890.9	-8	3					
9TH	34.78									3369.9	9083.4	-528.3	199.8	-79.2
		85.8	259.9	109	290	790.3	896.1	-8	3					
10TH	38.44									3284.0	8823.5	-495.5	187.7	-76.9
		87.9	261.5	109	290	809.5	901.2	-8	3					
11TH	42.11									3196.1	8562.0	-463.7	175.8	-74.5
		90.0	263.0	109	290	828.7	906.4	-8	3					
12TH	45.77									3106.1	8299.1	-432.8	164.3	-72.1
		91.9	264.6	109	290	845.8	912.0	-9	3					
13TH	49.43									3014.2	8034.5	-402.9	153.1	-69.5
		93.5	267.1	109	290	861.0	920.6	-9	3					
14TH	53.09									2920.7	7767.4	-374.0	142.2	-67.0
		95.2	269.5	109	290	876.2	929.1	-9	3					
15TH	56.75									2825.5	7497.9	-346.0	131.7	-64.4
		96.8	272.0	109	290	891.4	937.7	-9	3					
16TH	60.41									2728.7	7225.8	-319.1	121.5	-61.8
		98.5	274.5	109	290	906.6	946.3	-9	3					
17TH	64.07									2630.3	6951.3	-293.1	111.7	-59.1
		100.1	277.0	109	290	921.8	954.9	-9	3					
18TH	67.73									2530.1	6674.3	-268.2	102.3	-56.5
		102.0	279.8	109	290	938.7	964.4	-8	3					
19TH	71.39									2428.2	6394.5	-244.3	93.2	-53.8
		104.1	283.3	109	290	958.2	976.5	-8	3					
20TH	75.05									2324.1	6111.2	-221.4	84.5	-51.1
		106.2	286.8	109	290	977.7	988.7	-8	3					
21ST	78.71									2217.9	5824.4	-199.5	76.2	-48.4
		108.3	290.3	109	290	997.2	1000.8	-8	3					
22ND	82.37									2109.6	5534.1	-178.8	68.3	-45.7
		110.4	293.8	109	290	1016.7	1012.9	-8	3					
23RD	86.03									1999.2	5240.2	-159.0	60.7	-43.0
		112.5	297.4	109	290	1036.2	1025.0	-8	3					
24TH	89.69									1886.7	4942.9	-140.4	53.6	-40.3
		114.5	300.8	109	290	1054.7	1037.0	-8	3					

TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER TWO : BASED ON AEROELASTIC DATA
WIND DIRECTION 90 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN) X	FORCE (KN) Y	AREA (SQ M) X	AREA (SQ M) Y	PRESSURE (PA) X	PRESSURE (PA) Y	ECCEN (M) X	ECCEN (M) Y	SHEAR (KN) X	SHEAR (KN) Y	MOMENT (MN-M) X	MOMENT (MN-M) Y	MOMENT (MN-M) Z
25TH	93.35									1772.1	4642.0	-122.9	46.9	-37.6
		116.3	304.9	109	290	1070.9	1050.9	-8	3					
26TH	97.01									1655.8	4337.2	-106.4	40.6	-34.9
		118.1	308.9	109	290	1087.2	1064.9	-8	3					
27TH	100.68									1537.7	4028.2	-91.1	34.8	-32.2
		119.8	313.0	109	290	1103.4	1078.9	-8	3					
28TH	104.34									1417.9	3715.3	-76.9	29.4	-29.5
		121.6	317.0	109	290	1119.7	1092.8	-7	3					
29TH	108.00									1296.3	3398.2	-63.9	24.4	-26.8
		123.4	321.1	109	290	1136.0	1106.8	-7	3					
30TH	111.66									1172.9	3077.1	-52.1	19.9	-24.1
		125.0	325.0	109	290	1151.0	1120.2	-7	3					
31ST	115.32									1047.9	2752.2	-41.4	15.8	-21.4
		126.1	329.6	109	290	1161.2	1136.1	-7	3					
32ND	118.98									921.7	2422.6	-31.9	12.2	-18.7
		127.2	334.3	109	290	1171.3	1152.4	-7	3					
33RD	122.64									794.5	2088.3	-23.7	9.1	-16.0
		128.3	339.0	109	290	1181.5	1168.7	-7	3					
34TH	126.30									666.2	1749.3	-16.6	6.4	-13.4
		129.4	343.8	109	290	1191.6	1185.0	-7	3					
35TH	129.96									536.8	1405.5	-10.9	4.2	-10.7
		130.5	348.5	109	290	1201.8	1201.2	-7	2					
36TH	133.62									406.3	1057.0	-6.4	2.5	-8.1
		127.8	346.5	109	290	1177.1	1194.5	-6	2					
37TH	137.28									278.4	710.5	-3.1	1.2	-5.6
		118.6	311.3	109	290	1092.0	1073.2	-7	3					
38TH	140.94									159.8	399.2	-1.1	.4	-3.2
		159.8	399.1	162	433	986.0	922.0	-7	3					
TOP	146.44									0.0	0.0	0.0	0.0	0.0

TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER TWO : BASED ON AEROELASTIC DATA

WIND DIRECTION 100 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN)		AREA (SQ M)		PRESSURE (PA)		ECCEN (M)		SHEAR (KN)		MOMENT (MN-M)		
		X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	Z
GRND	0.00	134.3	392.9	163	436	823.1	901.7	-6	2	4274.3	10569.5	-792.7	340.1	-85.3
1ST	5.50	84.0	251.5	109	290	773.1	866.8	-6	2	4140.1	10176.5	-735.7	317.0	-82.7
2ND	9.16	78.9	242.6	109	290	726.0	836.2	-5	2	4056.1	9925.1	-698.9	302.0	-81.1
3RD	12.82	78.9	240.8	109	290	726.6	830.2	-6	2	3977.2	9682.5	-663.0	287.3	-79.6
4TH	16.48	81.5	244.4	109	290	750.5	842.5	-6	2	3898.3	9441.7	-628.0	272.9	-78.1
5TH	20.14	84.1	248.0	109	290	774.4	854.9	-7	2	3816.8	9197.2	-593.9	258.7	-76.4
6TH	23.80	86.0	250.1	109	290	791.9	862.2	-7	2	3732.7	8949.2	-560.7	244.9	-74.6
7TH	27.46	87.5	250.4	109	290	805.4	863.1	-7	2	3646.7	8699.1	-528.4	231.4	-72.7
8TH	31.12	88.9	250.7	109	290	819.0	864.1	-7	2	3559.2	8448.7	-497.0	218.2	-70.8
9TH	34.78	90.4	250.9	109	290	832.5	865.0	-7	3	3470.3	8198.0	-466.5	205.4	-68.8
10TH	38.44	91.9	251.2	109	290	846.1	866.0	-7	3	3379.9	7947.1	-437.0	192.8	-66.8
11TH	42.11	93.4	251.5	109	290	859.6	866.9	-7	3	3288.0	7695.9	-408.3	180.6	-64.7
12TH	45.77	94.9	252.0	109	290	873.6	868.6	-7	3	3194.6	7444.4	-380.6	168.7	-62.7
13TH	49.43	96.5	253.1	109	290	888.0	872.6	-7	3	3099.7	7192.4	-353.8	157.2	-60.6
14TH	53.09	98.0	254.3	109	290	902.5	876.6	-7	3	3003.3	6939.3	-328.0	146.1	-58.5
15TH	56.75	99.6	255.5	109	290	916.9	880.6	-7	3	2905.2	6685.0	-303.0	135.2	-56.4
16TH	60.41	101.2	256.6	109	290	931.3	884.5	-7	3	2805.7	6429.5	-279.0	124.8	-54.3
17TH	64.07	102.7	257.8	109	290	945.8	888.5	-7	3	2704.5	6172.9	-255.9	114.7	-52.1
18TH	67.73	104.6	259.3	109	290	962.8	893.7	-7	3	2601.8	5915.1	-233.8	105.0	-49.9
19TH	71.39	106.8	261.7	109	290	983.6	902.2	-7	3	2497.2	5655.9	-212.6	95.7	-47.8
20TH	75.05	109.1	264.2	109	290	1004.4	910.7	-7	3	2390.4	5394.1	-192.4	86.7	-45.6
21ST	78.71	111.3	266.7	109	290	1025.2	919.2	-7	3	2281.3	5129.9	-173.2	78.2	-43.4
22ND	82.37	113.6	269.1	109	290	1046.0	927.7	-7	3	2169.9	4863.3	-154.9	70.0	-41.2
23RD	86.03	115.9	271.6	109	290	1066.8	936.2	-7	3	2056.3	4594.2	-137.6	62.3	-39.0
24TH	89.69	118.0	274.0	109	290	1086.8	944.5	-7	3	1940.5	4322.6	-121.2	55.0	-36.8

TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER TWO : BASED ON AEROELASTIC DATA
WIND DIRECTION 100 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN)		AREA (SQ M)		PRESSURE (PA)		ECCEN (M)		SHEAR (KN)		MOMENT (MN-M)		
		X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	Z
25TH	93.35									1822.4	4048.6	-105.9	48.1	-34.5
		120.0	276.0	109	290	1105.0	951.2	-7	3					
26TH	97.01									1702.4	3772.6	-91.6	41.6	-32.3
		122.0	277.9	109	290	1123.2	958.0	-7	3					
27TH	100.68									1580.4	3494.7	-78.3	35.6	-30.0
		124.0	279.9	109	290	1141.3	964.7	-7	3					
28TH	104.34									1456.5	3214.8	-66.0	30.1	-27.7
		125.9	281.8	109	290	1159.5	971.5	-7	3					
29TH	108.00									1330.5	2933.0	-54.8	25.0	-25.3
		127.9	283.8	109	290	1177.7	978.2	-7	3					
30TH	111.66									1202.6	2649.2	-44.5	20.3	-23.0
		129.7	285.5	109	290	1193.7	984.2	-7	3					
31ST	115.32									1073.0	2363.7	-35.4	16.2	-20.6
		130.4	287.9	109	290	1201.0	992.3	-7	3					
32ND	118.98									942.5	2075.8	-27.2	12.5	-18.2
		131.2	290.4	109	290	1208.3	1001.1	-7	3					
33RD	122.64									811.3	1785.4	-20.2	9.3	-15.7
		132.0	292.9	109	290	1215.6	1009.8	-7	3					
34TH	126.30									679.3	1492.5	-14.2	6.5	-13.2
		132.8	295.5	109	290	1222.9	1018.5	-7	3					
35TH	129.96									546.5	1197.0	-9.3	4.3	-10.6
		133.6	298.0	109	290	1230.1	1027.2	-7	3					
36TH	133.62									412.9	899.0	-5.4	2.5	-8.0
		130.5	294.3	109	290	1201 5	1014.4	-7	3					
37TH	137.28									282.4	604.7	-2.7	1.3	-5.5
		120.6	264.7	109	290	1110.8	912.5	-7	3					
38TH	140.94									161.7	340.0	-.9	.4	-3.1
		161.7	340.0	162	433	997.7	785.4	-8	4					
TOP	146.44									0.0	0.0	0.0	0.0	0.0

TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER TWO : BASED ON AEROELASTIC DATA
WIND DIRECTION 110 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN) X	FORCE (KN) Y	AREA (SQ M) X	AREA (SQ M) Y	PRESSURE (PA) X	PRESSURE (PA) Y	ECCEN (M) X	ECCEN (M) Y	SHEAR (KN) X	SHEAR (KN) Y	MOMENT (MN-M) X	MOMENT (MN-M) Y	MOMENT (MN-M) Z
GRND	0.00									4346.4	10526.1	-773.2	343.1	-97.1
		133.3	404.8	163	436	816.9	928.9	-7	2					
1ST	5.50									4213.1	10121.3	-716.4	319.5	-94.0
		84.6	260.6	109	290	779.3	898.4	-7	2					
2ND	9.16									4128.5	9860.7	-679.8	304.3	-92.0
		81.3	253.5	109	290	748.8	873.8	-7	2					
3RD	12.82									4047.2	9607.3	-644.2	289.3	-90.1
		82.4	252.5	109	290	758.5	870.4	-7	2					
4TH	16.48									3964.8	9354.7	-609.5	274.7	-88.2
		85.6	255.8	109	290	787.8	881.7	-7	2					
5TH	20.14									3879.2	9098.9	-575.7	260.3	-86.2
		88.8	259.1	109	290	817.2	893.0	-7	2					
6TH	23.80									3790.5	8839.9	-542.9	246.3	-84.1
		90.8	260.5	109	290	835.6	898.0	-7	3					
7TH	27.46									3699.7	8579.4	-511.0	232.5	-81.9
		92.0	260.3	109	290	847.2	897.3	-7	3					
8TH	31.12									3607.7	8319.1	-480.1	219.2	-79.7
		93.3	260.1	109	290	858.9	896.6	-8	3					
9TH	34.78									3514.4	8059.0	-450.1	206.1	-77.5
		94.6	259.9	109	290	870.6	895.9	-8	3					
10TH	38.44									3419.9	7799.0	-421.1	193.4	-75.3
		95.8	259.7	109	290	882.2	895.2	-8	3					
11TH	42.11									3324.0	7539.3	-393.0	181.1	-73.0
		97.1	259.5	109	290	893.9	894.5	-8	3					
12TH	45.77									3226.9	7279.8	-365.9	169.1	-70.8
		98.7	259.8	109	290	908.6	895.6	-8	3					
13TH	49.43									3128.3	7020.0	-339.7	157.5	-68.5
		100.6	260.9	109	290	926.2	899.3	-8	3					
14TH	53.09									3027.7	6759.1	-314.5	146.2	-66.2
		102.5	262.0	109	290	943.8	903.0	-8	3					
15TH	56.75									2925.1	6497.2	-290.2	135.3	-63.8
		104.4	263.0	109	290	961.4	906.7	-8	3					
16TH	60.41									2820.7	6234.1	-266.9	124.8	-61.4
		106.3	264.1	109	290	979.0	910.3	-8	3					
17TH	64.07									2714.4	5970.0	-244.6	114.7	-59.0
		108.2	265.2	109	290	996.6	914.0	-8	3					
18TH	67.73									2606.2	5704.9	-223.2	104.9	-56.6
		109.8	265.7	109	290	1010.9	915.8	-8	3					
19TH	71.39									2496.4	5439.2	-202.8	95.6	-54.2
		110.8	265.1	109	290	1020.4	913.7	-8	3					
20TH	75.05									2385.5	5174.2	-183.4	86.7	-51.7
		111.9	264.5	109	290	1029.9	911.6	-8	3					
21ST	78.71									2273.7	4909.7	-164.9	78.1	-49.3
		112.9	263.8	109	290	1039.4	909.5	-8	3					
22ND	82.37									2160.8	4645.9	-147.4	70.0	-46.7
		113.9	263.2	109	290	1049.0	907.4	-8	4					
23RD	86.03									2046.9	4382.6	-130.9	62.3	-44.2
		115.0	262.6	109	290	1058.5	905.3	-8	4					
24TH	89.69									1931.9	4120.0	-115.4	55.0	-41.6
		116.3	262.4	109	290	1070.5	904.6	-8	4					

TABLE 7 SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER TWO : BASED ON AEROELASTIC DATA
WIND DIRECTION 110 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN)		AREA (SQ M)		PRESSURE (PA)		ECCEN (M)		SHEAR (KN)		MOMENT (MN-M)		
		X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	Z
25TH	93.35									1815.6	3857.6	-100.8	48.2	-39.0
		118.2	264.1	109	290	1088.2	910.4	-8	4					
26TH	97.01									1697.4	3593.4	-87.1	41.7	-36.4
		120.1	265.8	109	290	1105.9	916.3	-8	4					
27TH	100.68									1577.3	3327.6	-74.5	35.7	-33.8
		122.0	267.5	109	290	1123.6	922.1	-8	4					
28TH	104.34									1455.3	3060.1	-62.8	30.2	-31.2
		124.0	269.2	109	290	1141.3	927.9	-8	4					
29TH	108.00									1331.3	2790.9	-52.1	25.1	-28.6
		125.9	270.9	109	290	1159.0	933.8	-8	4					
30TH	111.66									1205.5	2520.0	-42.3	20.4	-25.9
		127.7	272.4	109	290	1175.9	939.1	-8	4					
31ST	115.32									1077.8	2247.6	-33.6	16.3	-23.3
		129.2	274.5	109	290	1190.0	946.2	-8	4					
32ND	118.98									948.5	1973.1	-25.9	12.6	-20.5
		130.8	276.7	109	290	1204.1	953.8	-8	4					
33RD	122.64									817.7	1696.4	-19.2	9.3	-17.8
		132.3	278.9	109	290	1218.2	961.3	-8	4					
34TH	126.30									685.4	1417.5	-13.5	6.6	-15.0
		133.8	281.0	109	290	1232.2	968.8	-8	4					
35TH	129.96									551.6	1136.5	-8.8	4.3	-12.1
		135.4	283.2	109	290	1246.3	976.3	-8	4					
36TH	133.62									416.2	853.3	-5.1	2.5	-9.2
		132.4	278.6	109	290	1219.4	960.4	-8	4					
37TH	137.28									283.8	574.7	-2.5	1.3	-6.3
		121.8	251.1	109	290	1121.4	865.6	-9	4					
38TH	140.94									162.0	323.5	-.9	.4	-3.6
		162.0	323.5	162	433	999.3	747.3	-9	5					
TOP	146.44									0.0	0.0	0.0	0.0	0.0

TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER TWO : BASED ON AEROELASTIC DATA
WIND DIRECTION 120 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN) X	FORCE (KN) Y	AREA (SQ M) X	AREA (SQ M) Y	PRESSURE (PA) X	PRESSURE (PA) Y	ECCEN (M) X	ECCEN (M) Y	SHEAR (KN) X	SHEAR (KN) Y	MOMENT (MN-M) X	MOMENT (MN-M) Y	MOMENT (MN-M) Z
GRND	0.00									4263.6	10799.4	-792.9	337.8	-119.0
		122.8	386.5	163	436	752.7	886.9	-8	3					
1ST	5.50									4140.8	10412.9	-734.6	314.7	-115.6
		78.7	254.1	109	290	724.6	875.9	-8	3					
2ND	9.16									4062.1	10158.8	-696.9	299.7	-113.2
		75.8	251.0	109	290	698.0	865.0	-9	3					
3RD	12.82									3986.3	9907.9	-660.2	285.0	-110.8
		77.5	254.3	109	290	713.7	876.7	-9	3					
4TH	16.48									3908.8	9653.5	-624.4	270.5	-108.3
		81.5	261.6	109	290	750.1	901.8	-9	3					
5TH	20.14									3827.3	9391.9	-589.5	256.3	-105.7
		85.4	268.9	109	290	786.4	927.0	-9	3					
6TH	23.80									3741.9	9123.0	-555.6	242.5	-103.0
		87.9	273.0	109	290	809.7	940.9	-9	3					
7TH	27.46									3654.0	8850.0	-522.7	228.9	-100.2
		89.6	273.2	109	290	824.8	941.9	-9	3					
8TH	31.12									3564.4	8576.8	-490.9	215.7	-97.5
		91.2	273.5	109	290	840.0	942.8	-9	3					
9TH	34.78									3473.1	8303.3	-460.0	202.9	-94.7
		92.9	273.8	109	290	855.1	943.7	-9	3					
10TH	38.44									3380.3	8029.5	-430.1	190.3	-91.8
		94.5	274.1	109	290	870.3	944.7	-9	3					
11TH	42.11									3285.7	7755.4	-401.2	178.1	-89.0
		96.2	274.3	109	290	885.4	945.6	-9	3					
12TH	45.77									3189.6	7481.1	-373.3	166.3	-86.1
		97.9	274.8	109	290	901.8	947.3	-9	3					
13TH	49.43									3091.6	7206.3	-346.4	154.8	-83.3
		99.9	275.5	109	290	919.4	949.6	-9	3					
14TH	53.09									2991.8	6930.8	-320.5	143.6	-80.4
		101.8	276.1	109	290	937.0	951.9	-9	3					
15TH	56.75									2890.0	6654.7	-295.7	132.9	-77.4
		103.7	276.8	109	290	954.6	954.2	-9	4					
16TH	60.41									2786.3	6377.9	-271.8	122.5	-74.5
		105.6	277.5	109	290	972.2	956.5	-9	4					
17TH	64.07									2680.7	6100.4	-249.0	112.5	-71.5
		107.5	278.1	109	290	989.8	958.8	-9	4					
18TH	67.73									2573.2	5822.2	-227.1	102.9	-68.5
		109.2	278.1	109	290	1005.1	958.8	-9	4					
19TH	71.39									2464.1	5544.1	-206.3	93.6	-65.4
		110.5	275.9	109	290	1017.0	950.9	-10	4					
20TH	75.05									2353.6	5268.2	-186.5	84.8	-62.4
		111.8	273.6	109	290	1029.0	943.0	-10	4					
21ST	78.71									2241.9	4994.7	-167.8	76.4	-59.3
		113.1	271.3	109	290	1040.9	935.1	-10	4					
22ND	82.37									2128.8	4723.4	-150.0	68.4	-56.3
		114 3	269.0	109	290	1052.8	927.2	-10	4					
23RD	86.03									2014.5	4454.4	-133.2	60.8	-53.2
		115.6	266.7	109	290	1064.7	919.3	-10	4					
24TH	89.69									1898.8	4187.8	-117.4	53.7	-50.1
		117.0	264.6	109	290	1077.6	912.2	-10	4					

TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER TWO : BASED ON AEROELASTIC DATA
WIND DIRECTION 120 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN) X	FORCE (KN) Y	AREA (SQ M) X	AREA (SQ M) Y	PRESSURE (PA) X	PRESSURE (PA) Y	ECCEN (M) X	ECCEN (M) Y	SHEAR (KN) X	SHEAR (KN) Y	MOMENT (MN-M) X	MOMENT (MN-M) Y	MOMENT (MN-M) Z
25TH	93.35									1781.8	3923.1	-102.5	46.9	-47.0
		118.7	267.1	109	290	1092.5	920.6	-10	4					
26TH	97.01									1663.1	3656.1	-88.6	40.6	-43.9
		120.3	269.5	109	290	1107.4	929.0	-10	4					
27TH	100.68									1542.8	3386.6	-75.8	34.7	-40.7
		121.9	271.9	109	290	1122.3	937.4	-10	4					
28TH	104.34									1421.0	3114.6	-63.9	29.3	-37.5
		123.5	274.4	109	290	1137.2	945.8	-10	4					
29TH	108.00									1297.4	2840.2	-53.0	24.3	-34.3
		125.1	276.8	109	290	1152.1	954.2	-10	4					
30TH	111.66									1172.3	2563.4	-43.1	19.8	-31.1
		126.6	279.0	109	290	1165.2	961.6	-10	4					
31ST	115.32									1045.8	2284.5	-34.2	15.8	-27.8
		127.2	280.3	109	290	1171.0	966.2	-10	4					
32ND	118.98									918.6	2004.2	-26.3	12.2	-24.5
		127.8	281.6	109	290	1176.8	970.8	-10	4					
33RD	122.64									790.7	1722.5	-19.5	9.0	-21.2
		128.4	283.0	109	290	1182.6	975.4	-10	5					
34TH	126.30									662.3	1439.6	-13.7	6.4	-17.8
		129.1	284.3	109	290	1188.4	980.0	-10	5					
35TH	129.96									533.2	1155.3	-9.0	4.2	-14.3
		129.7	285.7	109	290	1194.2	984.7	-10	5					
36TH	133.62									403.5	869.6	-5.3	2.5	-10.8
		126.8	280.6	109	290	1167.5	967.2	-10	5					
37TH	137.28									276.7	589.0	-2.6	1.2	-7.4
		117.8	255.2	109	290	1084.3	879.8	-10	5					
38TH	140.94									159.0	333.8	-.9	.4	-4.2
		159.0	333.8	162	433	980.7	771.0	-10	5					
TOP	146.44									0.0	0.0	0.0	0.0	0.0

TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER TWO : BASED ON AEROELASTIC DATA
WIND DIRECTION 130 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN) X	FORCE (KN) Y	AREA (SQ M) X	AREA (SQ M) Y	PRESSURE (PA) X	PRESSURE (PA) Y	ECCEN (M) X	ECCEN (M) Y	SHEAR (KN) X	SHEAR (KN) Y	MOMENT (MN-M) X	MOMENT (MN-M) Y	MOMENT (MN-M) Z
GRND	0.00	113.3	300.3	163	436	694.8	689.2	-10	4	4020.0	8946.3	-668.5	318.9	-139.8
1ST	5.50	71.6	198.8	109	290	658.8	685.4	-11	4	3906.6	8645.9	-620.1	297.1	-136.4
2ND	9.16	68.7	198.3	109	290	632.6	683.5	-11	4	3835.1	8447.1	-588.8	282.9	-133.9
3RD	12.82	70.8	201.1	109	290	651.7	693.3	-12	4	3766.3	8248.8	-558.3	269.0	-131.4
4TH	16.48	75.3	202.9	109	290	693.1	699.4	-12	4	3695.6	8047.7	-528.4	255.3	-128.8
5TH	20.14	79.8	204.7	109	290	734.4	705.6	-12	5	3620.3	7844.8	-499.3	241.9	-126.0
6TH	23.80	82.8	206.4	109	290	762.2	711.5	-12	5	3540.5	7640.1	-471.0	228.8	-123.2
7TH	27.46	84.9	210.3	109	290	781.5	724.8	-12	5	3457.8	7433.7	-443.4	216.0	-120.3
8TH	31.12	87.0	214.1	109	290	800.9	738.2	-12	5	3372.9	7223.4	-416.6	203.5	-117.3
9TH	34.78	89.1	218.0	109	290	820.2	751.5	-12	5	3285.9	7009.3	-390.5	191.3	-114.3
10TH	38.44	91.2	221.9	109	290	839.6	764.9	-12	5	3196.8	6791.2	-365.3	179.5	-111.2
11TH	42.11	93.3	225.8	109	290	858.9	778.2	-12	5	3105.6	6569.3	-340.8	167.9	-108.0
12TH	45.77	95.0	228.6	109	290	874.3	788.1	-12	5	3012.3	6343.6	-317.2	156.7	-104.7
13TH	49.43	96.2	229.3	109	290	885.9	790.4	-13	5	2917.4	6115.0	-294.4	145.9	-101.4
14TH	53.09	97.5	230.0	109	290	897.6	792.8	-13	5	2821.1	5885.6	-272.4	135.4	-98.0
15TH	56.75	98.7	230.7	109	290	909.2	795.1	-13	5	2723.7	5655.7	-251.3	125.2	-94.6
16TH	60.41	100.0	231.3	109	290	920.8	797.4	-13	6	2624.9	5425.0	-231.0	115.5	-91.1
17TH	64.07	101.3	232.0	109	290	932.5	799.7	-13	6	2524.9	5193.7	-211.6	106.0	-87.6
18TH	67.73	102.6	232.6	109	290	944.6	801.7	-13	6	2423.6	4961.7	-193.0	97.0	-84.0
19TH	71.39	104.0	232.8	109	290	957.5	802.3	-13	6	2321.0	4729.1	-175.2	88.3	-80.3
20TH	75.05	105.4	232.9	109	290	970.5	802.9	-13	6	2217.0	4496.4	-158.4	80.0	-76.6
21ST	78.71	106.8	233.1	109	290	983.4	803.6	-14	6	2111.6	4263.4	-142.3	72.1	-72.8
22ND	82.37	108.2	233.3	109	290	996.3	804.2	-14	6	2004.8	4030.3	-127.1	64.5	-69.0
23RD	86.03	109.6	233.5	109	290	1009.2	804.8	-14	7	1896.6	3797.0	-112.8	57.4	-65.1
24TH	89.69	110.9	233.6	109	290	1021.4	805.1	-14	7	1787.0	3563.5	-99.3	50.6	-61.1

TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER TWO : BASED ON AEROELASTIC DATA
WIND DIRECTION 130 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN) X	FORCE (KN) Y	AREA (SQ M) X	AREA (SQ M) Y	PRESSURE (PA) X	PRESSURE (PA) Y	ECCEN (M) X	ECCEN (M) Y	SHEAR (KN) X	SHEAR (KN) Y	MOMENT (MN-M) X	MOMENT (MN-M) Y	MOMENT (MN-M) Z
25TH	93.35									1676.1	3330.0	-86.7	44.3	-57.1
		112.1	233.5	109	290	1031.7	805.0	-14	7					
26TH	97.01									1564.0	3096.5	-75.0	38.4	-53.0
		113.2	233.5	109	290	1042.0	804.9	-14	7					
27TH	100.68									1450.8	2862.9	-64.1	32.8	-49.0
		114.3	233.5	109	290	1052.2	804.8	-14	7					
28TH	104.34									1336.5	2629.5	-54.0	27.7	-45.1
		115.4	233.4	109	290	1062.5	804.7	-14	7					
29TH	108.00									1221.1	2396.0	-44.8	23.1	-41.1
		116.5	233.4	109	290	1072.8	804.6	-14	7					
30TH	111.66									1104.6	2162.6	-36.5	18.8	-37.1
		117.6	233.3	109	290	1082.7	804.1	-14	7					
31ST	115.32									987.0	1929.3	-29.0	15.0	-33.2
		118.5	234.7	109	290	1090.8	809.2	-14	7					
32ND	118.98									868.6	1694.6	-22.3	11.6	-29.2
		119.3	236.4	109	290	1098.9	814.8	-14	7					
33RD	122.64									749.2	1458.2	-16.6	8.6	-25.1
		120.2	238.0	109	290	1107.0	820.5	-14	7					
34TH	126.30									629.0	1220.2	-11.7	6.1	-21.1
		121.1	239.7	109	290	1115.0	826.2	-14	7					
35TH	129.96									507.9	980.5	-7.6	4.0	-16.9
		122.0	241.3	109	290	1123.1	831.9	-14	7					
36TH	133.62									385.9	739.1	-4.5	2.4	-12.8
		119.8	237.3	109	290	1103.1	817.9	-14	7					
37TH	137.28									266.1	501.8	-2.2	1.2	-8.7
		112.3	216.7	105	290	1034.3	747.0	-14	7					
38TH	140.94									153.7	285.1	-.8	.4	-4.9
		153.8	285.1	162	433	948.6	658.6	-13	7					
TOP	146.44									0.0	0.0	0.0	0.0	0.0

TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER TWO : BASED ON AEROELASTIC DATA
WIND DIRECTION 140 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN) X	FORCE (KN) Y	AREA (SQ M) X	AREA (SQ M) Y	PRESSURE (PA) X	PRESSURE (PA) Y	ECCEN (M) X	ECCEN (M) Y	SHEAR (KN) X	SHEAR (KN) Y	MOMENT (MN-M) X	MOMENT (MN-M) Y	MOMENT (MN-M) Z
GRND	0.00	92.6	304.5	163	436	567.7	698.7	-7	2	3400.2	6996.4	-493.5	268.7	-138.7
1ST	5.50	60.9	194.0	109	290	560.9	668.6	-8	3	3307.6	6692.0	-457.9	250.2	-136.4
2ND	9.16	60.1	186.3	109	290	553.3	642.3	-9	3	3246.7	6498.0	-433.7	238.2	-134.7
3RD	12.82	62.8	189.8	109	290	578.3	654.3	-9	3	3186.6	6311.7	-410.3	226.5	-132.9
4TH	16.48	67.3	200.1	109	290	619.4	689.9	-9	3	3123.8	6121.9	-387.5	214.9	-130.9
5TH	20.14	71.7	210.4	109	290	660.4	725.4	-9	3	3056.5	5921.7	-365.5	203.6	-128.8
6TH	23.80	73.8	211.5	109	290	679.1	729.2	-10	3	2984.8	5711.3	-344.2	192.5	-126.6
7TH	27.46	74.3	203.4	109	290	683.9	701.3	-11	4	2911.0	5499.8	-323.7	181.8	-124.2
8TH	31.12	74.8	195.4	109	290	688.8	673.4	-12	4	2836.7	5296.3	-303.9	171.2	-121.8
9TH	34.78	75.3	187.3	109	290	693.7	645.6	-12	5	2761.9	5100.9	-284.9	161.0	-119.2
10TH	38.44	75.9	179.2	109	290	698.5	617.7	-13	6	2686.6	4913.7	-266.5	151.0	-116.5
11TH	42.11	76.4	171.1	109	290	703.4	589.9	-14	6	2610.7	4734.5	-248.9	141.3	-113.7
12TH	45.77	77.5	165.8	109	290	713.6	571.4	-15	7	2534.3	4563.3	-231.9	131.9	-110.7
13TH	49.43	79.2	164.9	109	290	729.0	568.4	-16	8	2456.8	4397.6	-215.5	122.8	-107.7
14TH	53.09	80.8	164.0	109	290	744.3	565.4	-16	8	2377.6	4232.7	-199.7	113.9	-104.4
15TH	56.75	82.5	163.2	109	290	759.7	562.4	-17	9	2296.8	4068.6	-184.5	105.4	-101.1
16TH	60.41	84.2	162.3	109	290	775.1	559.4	-18	9	2214.3	3905.5	-169.9	97.1	-97.6
17TH	64.07	85.8	161.4	109	290	790.4	556.4	-18	10	2130.1	3743.2	-155.9	89.2	-93.9
18TH	67.73	87.3	159.8	109	290	803.4	551.0	-19	10	2044.2	3581.7	-142.5	81.5	-90.1
19TH	71.39	88.3	159.7	109	290	812.9	550.3	-19	11	1957.0	3421.9	-129.7	74.2	-86.2
20TH	75.05	89.3	159.5	109	290	822.5	549.7	-19	11	1868.7	3262.2	-117.4	67.2	-82.2
21ST	78.71	90.4	159.3	109	290	832.0	549.0	-20	11	1779.4	3102.8	-105.8	60.5	-78.1
22ND	82.37	91.4	159.1	109	290	841.5	548.4	-20	12	1689.0	2943.5	-94.7	54.2	-74.0
23RD	86.03	92.4	158.9	109	290	851.1	547.7	-20	12	1597.6	2784.4	-84.2	48.1	-69.7
24TH	89.69	93.5	159.2	109	290	861.0	548.7	-21	12	1505.2	2625.5	-74.3	42.5	-65.4

TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER TWO : BASED ON AEROELASTIC DATA
WIND DIRECTION 140 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN) X	FORCE (KN) Y	AREA (SQ M) X	AREA (SQ M) Y	PRESSURE (PA) X	PRESSURE (PA) Y	ECCEN (M) X	ECCEN (M) Y	SHEAR (KN) X	SHEAR (KN) Y	MOMENT (MN-M) X	MOMENT (MN-M) Y	MOMENT (MN-M) Z
25TH	93.35									1411.6	[illegible]	[illegible]	37.1	-61.0
		94.7	161.8	109	290	871.7	557.8	-21	12					
26TH	97.01									1317.0	[illegible]	[illegible]	32.1	-56.5
		95.8	164.5	109	290	882.4	566.9	-20	12					
27TH	100.68									1221.1	[illegible]	[illegible]	27.5	-52.0
		97.0	167.1	109	290	893.1	575.9	-20	12					
28TH	104.34									1124.1	[illegible]	[illegible]	23.2	-47.5
		98.2	169.7	109	290	903.8	585.0	-20	12					
29TH	108.00									1026.0	[illegible]	[illegible]	19.3	-43.0
		99.3	172.3	109	290	914.5	594.1	-20	11					
30TH	111.66									926.6	[illegible]	[illegible]	15.7	-38.4
		100.3	174.0	109	290	923.7	599.9	-20	11					
31ST	115.32									826.3	[illegible]	[illegible]	12.5	-33.8
		100.6	176.3	109	290	926.5	607.6	-19	11					
32ND	118.98									725.7	[illegible]	[illegible]	9.6	-29.3
		100.9	178.9	109	290	929.3	616.6	-19	11					
33RD	122.64									624.7	[illegible]	[illegible]	7.2	-24.9
		101.2	181.5	109	290	932.1	625.7	-18	10					
34TH	126.30									523.5	[illegible]	[illegible]	5.1	-20.6
		101.5	184.1	109	290	934.9	634.7	-18	10					
35TH	129.96									422.0	[illegible]	[illegible]	3.3	-16.3
		101.8	186.8	109	290	937.7	643.8	-17	9					
36TH	133.62									320.1	[illegible]	[illegible]	2.0	-12.2
		99.7	180.7	109	290	917.8	622.7	-17	9					
37TH	137.28									220.4	[illegible]	[illegible]	1.0	-8.2
		93.2	161.9	109	290	858.5	558.1	-17	10					
38TH	140.94									127.2	[illegible]	[illegible]	.3	-4.6
		127.2	206.8	162	433	784.7	477.6	-16	10					
TOP	146.44									0.0	0.0	0.0	0.0	0.0

TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER TWO : BASED ON AEROELASTIC DATA
WIND DIRECTION 150 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN)		AREA (SQ M)		PRESSURE (PA)		ECCEN (M)		SHEAR (KN)		MOMENT (MN-M)		
		X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	Z
GRND	0.00									2995.8	-5837.2	531.1	230.6	-115.8
		81.0	87.2	163	436	496.6	200.2	-3	3					
1ST	5.50									2914.8	-5924.4	498.7	214.4	-115.2
		56.7	20.4	109	290	522.2	70.4	-2	6					
2ND	9.16									2858.0	-5944.8	477.4	203.8	-114.8
		58.0	-14.9	109	290	534.4	-51.4	2	6					
3RD	12.82									2800.0	-5929.9	455.3	193.4	-114.5
		60.7	-35.2	109	290	559.0	-121.3	4	7					
4TH	16.48									2739.3	-5894.7	433.6	183.3	-113.9
		64.0	-40.6	109	290	589.6	-140.0	5	8					
5TH	20.14									2675.2	-5854.1	412.1	173.4	-113.2
		67.4	-46.1	109	290	620.2	-158.8	7	10					
6TH	23.80									2607.9	-5808.0	390.8	163.7	-112.2
		69.1	-61.0	109	290	636.2	-210.2	9	10					
7TH	27.46									2538.8	-5747.0	369.6	154.3	-111.0
		69.8	-83.4	109	290	643.1	-287.6	10	9					
8TH	31.12									2468.9	-5663.6	348.7	145.1	-109.5
		70.6	-105.9	109	290	650.0	-364.9	12	8					
9TH	34.78									2398.4	-5557.7	328.2	136.2	-107.7
		71.3	-128.3	109	290	656.9	-442.3	12	7					
10TH	38.44									2327.0	-5429.4	308.1	127.6	-105.7
		72.1	-150.8	109	290	663.8	-519.6	12	6					
11TH	42.11									2254.9	-5278.7	288.5	119.2	-103.4
		72.8	-173.2	109	290	670.7	-597.0	13	5					
12TH	45.77									2182.1	-5105.5	269.5	111.1	-100.8
		73.5	-190.9	109	290	676.5	-658.2	13	5					
13TH	49.43									2108.6	-4914.5	251.2	103.2	-97.9
		74.0	-191.8	109	290	681.3	-661.2	14	5					
14TH	53.09									2034.6	-4722.7	233.5	95.6	-94.9
		74.5	-192.7	109	290	686.1	-664.2	14	5					
15TH	56.75									1960.1	-4530.0	216.6	88.3	-91.8
		75.0	-193.6	109	290	690.9	-667.2	15	6					
16TH	60.41									1885.0	-4336.5	200.4	81.3	-88.5
		75.6	-194.4	109	290	695.7	-670.2	15	6					
17TH	64.07									1809.5	-4142.0	184.8	74.5	-85.1
		76.1	-195.3	109	290	700.4	-673.2	16	6					
18TH	67.73									1733.4	-3946.7	170.0	68.0	-81.5
		76.7	-194.4	109	290	706.2	-670.0	17	7					
19TH	71.39									1656.7	-3752.3	155.9	61.8	-77.8
		77.5	-186.2	109	290	713.3	-641.9	17	7					
20TH	75.05									1579.2	-3566.1	142.5	55.9	-74.0
		78.2	-178.1	109	290	720.4	-613.8	18	8					
21ST	78.71									1501.0	-3388.0	129.8	50.3	-70.1
		79.0	-169.9	109	290	727.4	-585.7	19	9					
22ND	82.37									1422.0	-3218.1	117.7	44.9	-66.2
		79.8	-161.8	109	290	734.5	-557.6	20	10					
23RD	86.03									1342.2	-3056.4	106.2	39.9	-62.2
		80.5	-153.6	109	290	741.6	-529.5	21	11					
24TH	89.69									1261.7	-2902.8	95.8	35.1	-58.1
		81.3	-146.3	109	290	748.5	-504.3	22	12					

TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER TWO ; BASED ON AEROELASTIC DATA

WIND DIRECTION 150 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN) X	FORCE (KN) Y	AREA (SQ M) X	AREA (SQ M) Y	PRESSURE (PA) X	PRESSURE (PA) Y	ECCEN (M) X	ECCEN (M) Y	SHEAR (KN) X	SHEAR (KN) Y	MOMENT (MN-M) X	MOMENT (MN-M) Y	MOMENT (MN-M) Z
25TH	93.35									1180.4	[illegible]	[illegible]	30.6	-54.0
		82.0	-145.5	109	290	754.6	-501.5	22	12					
26TH	97.01									1098.4	[illegible]	[illegible]	26.5	-49.8
		82.6	-144.7	109	290	760.8	-498.7	22	12					
27TH	100.68									1015.8	[illegible]	[illegible]	22.6	-45.6
		83.3	-143.8	109	290	767.0	-495.8	22	13					
28TH	104.34									932.5	[illegible]	[illegible]	19.0	-41.5
		84.0	-143.0	109	290	773.1	-493.0	22	13					
29TH	108.00									848.5	[illegible]	[illegible]	15.8	-37.2
		84.6	-142.2	109	290	779.3	-490.2	22	13					
30TH	111.66									763.9	[illegible]	[illegible]	12.8	-33.0
		85.1	-143.5	109	290	783.6	-494.7	22	13					
31ST	115.32									678.8	[illegible]	[illegible]	10.2	-28.8
		84.7	-154.9	109	290	780.^	-533.9	20	11					
32ND	118.98									594.1	[illegible]	[illegible]	7.8	-24.7
		84.3	-166.4	109	290	776.4	-573.5	19	9					
33RD	122.64									509.7	[illegible]	[illegible]	5.8	-20.8
		83.9	-177.8	109	290	772.8	-613.0	17	8					
34TH	126.30									425.8	[illegible]	[illegible]	4.1	-17.1
		83.5	-189.3	109	290	769.3	-652.6	16	7					
35TH	129.96									342.3	[illegible]	[illegible]	2.7	-13.5
		83.2	-200.8	109	290	765.7	-692.2	14	6					
36TH	133.62									259.1	[illegible]	[illegible]	1.6	-10.1
		80.9	-226.1	109	290	745.2	-779.2	12	4					
37TH	137.28									178.2	[illegible]	[illegible]	.8	-7.0
		75.5	-275.5	109	290	695.3	-949.6	10	3					
38TH	140.94									102.6	[illegible]	[illegible]	.3	-4.0
		102.6	-503.0	162	433	633.2	-1161.9	8	2					
TOP	146.44									0.0	[illegible]	[illegible]	0.0	0.0

TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER TWO : BASED ON AEROELASTIC DATA
WIND DIRECTION 160 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN) X	FORCE (KN) Y	AREA (SQ M) X	AREA (SQ M) Y	PRESSURE (PA) X	PRESSURE (PA) Y	ECCEN (M) X	ECCEN (M) Y	SHEAR (KN) X	SHEAR (KN) Y	MOMENT (MN-M) X	MOMENT (MN-M) Y	MOMENT (MN-M) Z
GRND	0.00	86.5	-170.7	163	436	530.0	-391.8	-50	-25	2860.9	-9606.3	746.2	217.5	[illegible]
1ST	5.50	60.1	-139.0	109	290	553.6	-479.3	-45	-19	2774.4	-9435.6	693.8	202.0	[illegible]
2ND	9.16	60.7	-163.6	109	290	558.7	-563.9	-41	-15	2714.3	-9296.6	659.6	192.0	[illegible]
3RD	12.82	62.6	-182.0	109	290	576.0	-627.3	-33	-11	2653.6	-9133.0	625.8	182.2	[illegible]
4TH	16.48	65.1	-194.9	109	290	599.4	-671.9	-26	-9	2591.1	-8951.0	592.7	172.6	[illegible]
5TH	20.14	67.6	-207.9	109	290	622.8	-716.5	-19	-6	2525.9	-8756.1	560.3	163.2	[illegible]
6TH	23.80	68.8	-220.8	109	290	633.1	-761.2	-14	-4	2458.3	-8548.2	528.6	154.1	[illegible]
7TH	27.46	69.0	-229.7	109	290	635.3	-791.7	-11	-3	2389.5	-8327.4	497.8	145.2	[illegible]
8TH	31.12	69.2	-238.5	109	290	637.5	-822.1	-8	-2	2320.5	-8097.7	467.7	136.6	[illegible]
9TH	34.78	69.5	-247.3	109	290	639.6	-852.6	-5	-1	2251.3	-7859.2	438.5	128.2	[illegible]
10TH	38.44	69.7	-256.2	109	290	641.8	-883.1	-2	-1	2181.8	-7611.9	410.2	120.1	[illegible]
11TH	42.11	69.9	-265.0	109	290	644.0	-913.6	1	0	2112.1	-7355.7	382.8	112.2	[illegible]
12TH	45.77	70.2	-271.4	109	290	646.5	-935.5	3	1	2042.2	-7090.7	356.3	104.6	[illegible]
13TH	49.43	70.5	-269.3	109	290	649.4	-928.3	2	1	1972.0	-6819.3	330.9	97.3	[illegible]
14TH	53.09	70.8	-267.2	109	290	652.2	-921.0	2	1	1901.4	-6550.0	306.4	90.2	[illegible]
15TH	56.75	71.1	-265.1	109	290	655.1	-913.8	2	1	1830.6	-6282.8	282.9	83.4	[illegible]
16TH	60.41	71.5	-263.0	109	290	657.9	-906.5	2	1	1759.4	-6017.7	260.4	76.8	[illegible]
17TH	64.07	71.8	-260.9	109	290	660.8	-899.3	2	0	1688.0	-5754.7	238.9	70.5	[illegible]
18TH	67.73	72.0	-258.7	109	290	662.8	-891.8	1	0	1616.2	-5493.8	218.3	64.4	[illegible]
19TH	71.39	72.1	-255.4	109	290	663.7	-880.4	2	0	1544.2	-5235.1	198.6	58.6	[illegible]
20TH	75.05	72.2	-252.1	109	290	664.6	-868.9	2	1	1472.1	-4979.7	179.9	53.1	[illegible]
21ST	78.71	72.3	-248.8	109	290	665.5	-857.5	2	1	1399.9	-4727.7	162.2	47.9	-9.[illegible]
22ND	82.37	72.4	-245.4	109	290	666.4	-846.1	2	1	1327.7	-4478.9	145.3	42.9	-8.[illegible]
23RD	86.03	72.5	-242.1	109	290	667.3	-834.6	3	1	1255.3	-4233.5	129.4	38.1	-8.[illegible]
24TH	89.69	72.8	-238.6	109	290	670.2	-822.3	3	1	1182.8	-3991.3	114.3	33.7	-7.[illegible]

TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER TWO : BASED ON AEROELASTIC DATA
WIND DIRECTION 160 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN) X	FORCE (KN) Y	AREA (SQ M) X	AREA (SQ M) Y	PRESSURE (PA) X	PRESSURE (PA) Y	ECCEN (M) X	ECCEN (M) Y	SHEAR (KN) X	SHEAR (KN) Y	MOMENT (MN-M) X	MOMENT (MN-M) Y	MOMENT (MN-M) Z
25TH	93.35									1110.0	-3752.8	100.1	29.5	-6.[illegible]
		73.6	-242.8	109	290	677.6	-837.0	3	1					
26TH	97.01									1036.4	-3510.0	86.8	25.6	-6.[illegible]
		74.4	-247.0	109	290	685.1	-851.6	3	1					
27TH	100.68									962.0	-3262.9	74.5	21.9	-5.[illegible]
		75.2	-251.3	109	290	692.5	-866.2	3	1					
28TH	104.34									886.8	-3011 6	63.0	18.5	-[illegible]
		76.0	-255.5	109	290	700.0	-880.8	3	1					
29TH	108.00									810.8	-2756.1	52.4	15.4	-[illegible]
		76.8	-259.8	109	290	707.4	-895.5	3	1					
30TH	111.66									733 9	-2496.3	42.8	12.6	-[illegible]
		77.6	-264.6	109	290	714.4	-912.2	3	1					
31ST	115.32									656.3	-2231.7	34.1	10.0	-[illegible]
		78.1	-266.1	109	290	719.1	-917.4	2	1					
32ND	118.98									578.2	-1965.5	26.5	7.8	-[illegible]
		78.6	-267.1	109	290	723.9	-920 8	1	0					
33RD	122.64									499.6	-1698.4	19.8	5.8	[illegible]
		79.1	-268.1	109	290	728.7	-924.1	0	0					
34TH	126.30									420.5	-1430.3	14.0	4.1	[illegible]
		79.7	-269.1	109	290	733.5	-927.5	-1	-0					
35TH	129.96									340.8	-1161.3	9.3	2.7	-[illegible]
		80 2	-270.0	109	290	738.3	-930.8	-2	-1					
36TH	133.62									260.6	-891.2	5.5	1.6	-[illegible]
		79.2	-274.3	109	290	729.0	-945.4	-3	-1					
37TH	137.28									181.4	-617.0	2.8	.8	-[illegible]
		75.5	-259.0	109	290	695.4	-892.7	1	0					
38TH	140.94									105.9	-358.0	1.0	.3	-[illegible]
		105.9	-358.0	162	433	653.4	-827.0	6	2					
TOP	146.44									0.0	0.0	0.0	0.0	[illegible]

TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER TWO : BASED ON AEROELASTIC DATA
WIND DIRECTION 170 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN) X	FORCE (KN) Y	AREA (SQ M) X	AREA (SQ M) Y	PRESSURE (PA) X	PRESSURE (PA) Y	ECCEN (M) X	ECCEN (M) Y	SHEAR (KN) X	SHEAR (KN) Y	MOMENT (MN-M) X	MOMENT (MN-M) Y	MOMENT (MN-M) Z
GRND	0.00									[illegible]	-10646.9	817.4	[illegible]	167.8
		77.8	-240.9	163	436	477.1	-552.9	-20	-7					
1ST	5.50									[illegible]	-10405.9	759.5	[illegible]	162.3
		43.2	-186.9	109	290	397.9	-644.2	-19	-4					
2ND	9.16									[illegible]	-10219.1	721.8	[illegible]	158.5
		36.9	-207.4	109	290	340.0	-715.0	-18	-3					
3RD	12.82									[illegible]	-10011.7	684.8	[illegible]	154.6
		35.0	-221.5	109	290	321.8	-763.6	-17	-3					
4TH	16.48									[illegible]	-9790.1	648.5	[illegible]	150.7
		35.1	-230.4	109	290	323.0	-794.2	-16	-2					
5TH	20.14									[illegible]	-9559.7	613.1	[illegible]	146.9
		35.2	-239.3	109	290	324.2	-824.8	-15	-2					
6TH	23.80									[illegible]	-9320.4	578.5	[illegible]	143.1
		35.6	-246.1	109	290	327.4	-848.4	-14	-2					
7TH	27.46									[illegible]	-9074.3	544.9	[illegible]	139.5
		36.0	-250.3	109	290	331.9	-862.7	-14	-2					
8TH	31.12									[illegible]	-8824.1	512.1	[illegible]	135.9
		36.5	-254.4	109	290	336.3	-877.0	-14	-2					
9TH	34.78									[illegible]	-8569.6	480.3	[illegible]	132.3
		37.0	-258.6	109	290	340.7	-891.3	-14	-2					
10TH	38.44									[illegible]	-8311.1	449.4	[illegible]	128.6
		37.5	-262.7	109	290	345.1	-905.6	-13	-2					
11TH	42.11									[illegible]	-8048.3	419.4	[illegible]	125.1
		38.0	-266.9	109	290	349.5	-919.9	-13	-2					
12TH	45.77									[illegible]	-7781.5	390.5	[illegible]	121.5
		36.7	-271.5	109	290	338.1	-935.7	-13	-2					
13TH	49.43									[illegible]	-7510.0	362.5	[illegible]	117.8
		33.8	-273.0	109	290	311.5	-940.9	-14	-2					
14TH	53.09									[illegible]	-7237.1	335.5	[illegible]	114.1
		30.9	-274.5	109	290	284.9	-946.2	-14	-2					
15TH	56.75									[illegible]	-6962.6	309.5	[illegible]	110.2
		28.1	-276.0	109	290	258.3	-951.4	-14	-1					
16TH	60.41									[illegible]	-6686.6	284.5	[illegible]	106.3
		25.2	-277.5	109	290	231.8	-956.6	-15	-1					
17TH	64.07									[illegible]	-6409.0	260.5	[illegible]	102.2
		22.3	-279.0	109	290	205.2	-961.9	-15	-1					
18TH	67.73									[illegible]	-6130.0	237.6	[illegible]	97.9
		20.2	-279.8	109	290	186.3	-964.6	-15	-1					
19TH	71.39									[illegible]	-5850.2	215.7	[illegible]	93.6
		19.4	-281.2	109	290	178.7	-969.4	-16	-1					
20TH	75.05									[illegible]	-5568.9	194.8	[illegible]	89.2
		18.6	-282.6	109	290	171.0	-974.1	-16	-1					
21ST	78.71									[illegible]	-5286.3	174.9	[illegible]	84.7
		17.7	-284.0	109	290	163.3	-978.9	-16	-1					
22ND	82.37									[illegible]	-5002.4	156.1	[illegible]	80.2
		16.9	-285.4	109	290	155.7	-983.6	-16	-1					
23RD	86.03									[illegible]	-4717.0	138.3	[illegible]	75.5
		16.1	-286.7	109	290	148.0	-988.4	-17	-1					
24TH	89.69									[illegible]	-4430.3	121.5	[illegible]	70.7
		15.8	-287.6	109	290	145.1	-991.5	-17	-1					

TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER TWO : BASED ON AEROELASTIC DATA
WIND DIRECTION 170 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN) X	FORCE (KN) Y	AREA (SQ M) X	AREA (SQ M) Y	PRESSURE (PA) X	PRESSURE (PA) Y	ECCEN (M) X	ECCEN (M) Y	SHEAR (KN) X	SHEAR (KN) Y	MOMENT (MN-M) X	MOMENT (MN-M) Y	MOMENT (MN-M) Z
25TH	93.35									428.6	-4142.6	105.8	13.8	65.9
		16.6	-291.0	109	290	153.1	-1003.1	-17	-1					
26TH	97.01									411.9	-3851.7	91.2	12.2	61.0
		17.5	-294.3	109	290	161.1	-1014.6	-17	-1					
27TH	100.68									394.4	-3557.3	77.6	10.8	56.1
		18.4	-297.7	109	290	169.1	-1026.1	-17	-1					
28TH	104.34									376.1	-3259.6	65.2	9.4	51.1
		19.2	-301.0	109	290	177.2	-1037.7	-16	-1					
29TH	108.00									356.8	-2958.6	53.8	8.0	46.1
		20.1	-304.4	109	290	185.2	-1049.2	-16	-1					
30TH	111.66									336.7	-2654.2	43.5	6.7	41.1
		21.4	-307.4	109	290	197.2	-1059.6	-16	-1					
31ST	115.32									315.3	-2346.8	34.4	5.6	36.1
		24.6	-304.3	109	290	226.1	-1049.0	-16	-1					
32ND	118.98									290.7	-2042.5	26.3	4.4	31.1
		27.7	-300.9	109	290	254.9	-1037.1	-16	-1					
33RD	122.64									263.0	-1741.7	19.4	3.4	26.2
		30.8	-297.4	109	290	283.8	-1025.1	-16	-2					
34TH	126.30									232.2	-1444.3	13.6	2.5	21.4
		34.0	-293.9	109	290	312.6	-1013.1	-16	-2					
35TH	129.96									198.3	-1150.4	8.8	1.7	16.7
		37.1	-290.4	109	290	341.5	-1001.1	-16	-2					
36TH	133.62									161.2	-859.9	5.1	1.1	12.0
		40.7	-285.6	109	290	374.6	-984.4	-15	-2					
37TH	137.28									120.5	-574.4	2.5	.6	7.6
		45.1	-254.0	109	290	414.9	-875.6	-14	-2					
38TH	140.94									75.4	-320.3	.9	.2	3.9
		75.4	-320.3	162	433	465.3	-739.9	-12	-3					
TOP	146.44									0.0	0.0	0.0	0.0	0.0

TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER TWO : BASED ON AEROELASTIC DATA
WIND DIRECTION 180 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN) X	FORCE (KN) Y	AREA (SQ M) X	AREA (SQ M) Y	PRESSURE (PA) X	PRESSURE (PA) Y	ECCEN (M) X	ECCEN (M) Y	SHEAR (KN) X	SHEAR (KN) Y	MOMENT (MN-M) X	MOMENT (MN-M) Y	MOMENT (MN-M) Z
GRND	0.00									[illegible]	-11920.4	905.4	[illegible]	178.9
		-168.1	-325.3	163	436	-1030.5	-746.4	-13	7					
1ST	5.50									[illegible]	-11595.2	840.8	[illegible]	173.6
		-133.9	-234.9	109	290	-1232.9	-809.9	-12	7					
2ND	9.16									[illegible]	-11360.2	798.7	[illegible]	169.8
		-153.7	-250.5	109	290	-1415.2	-863.6	-11	7					
3RD	12.82									[illegible]	-11109.7	757.6	[illegible]	165.9
		-161.9	-260.1	109	290	-1490.9	-896.7	-11	7					
4TH	16.48									[illegible]	-10849.5	717.4	[illegible]	162.0
		-164.5	-265.3	109	290	-1514.6	-914.5	-11	7					
5TH	20.14									[illegible]	-10584.2	678.2	[illegible]	158.1
		-167.1	-270.5	109	290	-1538.3	-932.3	-10	6					
6TH	23.80									[illegible]	-10313.8	639.9	[illegible]	154.2
		-172.6	-275.8	109	290	-1588.8	-950.6	-10	6					
7TH	27.46									[illegible]	-10038.0	602.7	[illegible]	150.4
		-179.8	-280.0	109	290	-1655.9	-965.0	-10	6					
8TH	31.12									[illegible]	-9758.0	566.5	[illegible]	146.5
		-187.1	-284.1	109	290	-1723.0	-979.5	-10	6					
9TH	34.78									[illegible]	-9473.9	531.3	[illegible]	142.5
		-194.4	-288.3	109	290	-1790.0	-993.9	-10	7					
10TH	38.44									[illegible]	-9185.6	497.1	[illegible]	138.4
		-201.7	-292.5	109	290	-1857.1	-1008.3	-10	7					
11TH	42.11									[illegible]	-8893.1	464.0	[illegible]	134.3
		-209.0	-296.7	109	290	-1924.2	-1022.7	-9	7					
12TH	45.77									[illegible]	-8596.4	432.0	[illegible]	130.1
		-215.3	-300.1	109	290	-1982.6	-1034.6	-9	7					
13TH	49.43									[illegible]	-8296.2	401.1	[illegible]	125.8
		-220.8	-301.9	109	290	-2032.8	-1040.5	-9	7					
14TH	53.09									[illegible]	-7994.4	371.3	[illegible]	121.5
		-226.2	-303.6	109	290	-2082.9	-1046.4	-9	7					
15TH	56.75									[illegible]	-7690.8	342.6	[illegible]	117.3
		-231.7	-305.3	109	290	-2133.1	-1052.3	-9	7					
16TH	60.41									[illegible]	-7385.5	315.0	[illegible]	113.0
		-237.1	-307.0	109	290	-2183.3	-1058.3	-9	7					
17TH	64.07									[illegible]	-7078.5	288.5	[illegible]	108.6
		-242.6	-308.7	109	290	-2233.5	-1064.2	-9	7					
18TH	67.73									[illegible]	-6769.8	263.1	[illegible]	104.3
		-246.2	-309.8	109	290	-2266.8	-1068.0	-9	7					
19TH	71.39									[illegible]	-6460.0	238.9	[illegible]	99.9
		-247.2	-312.1	109	290	-2275.6	-1075.8	-9	7					
20TH	75.05									[illegible]	-6147.9	215.9	[illegible]	95.5
		-248.1	-314.4	109	290	-2284.4	-1083.7	-9	7					
21ST	78.71									[illegible]	-5833.5	193.9	[illegible]	90.9
		-249.1	-316.7	109	290	-2293.2	-1091.6	-9	7					
22ND	82.37									[illegible]	-5516.8	173.2	[illegible]	86.4
		-250.0	-319.0	109	290	-2302.0	-1099.5	-9	7					
23RD	86.03									[illegible]	-5197.8	153.5	[illegible]	81.7
		-251.0	-321.2	109	290	-2310.8	-1107.3	-9	7					
24TH	89.69									[illegible]	-4876.6	135.1	[illegible]	77.0
		-250.7	-323.3	109	290	-2308.2	-1114.6	-9	7					

TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER TWO : BASED ON AEROELASTIC DATA
WIND DIRECTION 180 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN) X	FORCE (KN) Y	AREA (SQ M) X	AREA (SQ M) Y	PRESSURE (PA) X	PRESSURE (PA) Y	ECCEN (M) X	ECCEN (M) Y	SHEAR (KN) X	SHEAR (KN) Y	MOMENT (MN-M) X	MOMENT (MN-M) Y	MOMENT (MN-M) Z
25TH	93.35									[illegible]	-4553.3	117.8	[illegible]	72.2
		-247.6	-323.1	109	290	-2279.4	-1113.7	-9	7					
26TH	97.01									[illegible]	-4230.2	101.8	[illegible]	67.3
		-244.4	-322.8	109	290	-2250.6	-1112.9	-10	7					
27TH	100.68									[illegible]	-3907.3	86.9	[illegible]	62.4
		-241.3	-322.6	109	290	-2221.8	-1112.0	-10	7					
28TH	104.34									[illegible]	-3584.7	73.2	[illegible]	57.5
		-238.2	-322.4	109	290	-2192.9	-1111.2	-10	7					
29TH	108.00									[illegible]	-3262.4	60.6	[illegible]	52.5
		-235.0	-322.1	109	290	-2164.1	-1110.4	-10	7					
30TH	111.66									[illegible]	-2940.2	49.3	[illegible]	47.5
		-231.4	-321.6	109	290	-2130.6	-1108.6	-10	7					
31ST	115.32									[illegible]	-2618.6	39.1	[illegible]	42.4
		-225.6	-322.6	109	290	-2077.5	-1111.9	-11	7					
32ND	118.98									[illegible]	-2296.1	30.1	[illegible]	37.3
		-219.9	-323.7	109	290	-2024.4	-1116.0	-11	7					
33RD	122.64									[illegible]	-1972.3	22.3	[illegible]	32.1
		-214.1	-324.9	109	290	-1971.3	-1120.1	-11	7					
34TH	126.30									[illegible]	-1647.4	15.7	[illegible]	26.9
		-208.3	-326.1	109	290	-1918.3	-1124.2	-12	7					
35TH	129.96									[illegible]	-1321.2	10.2	[illegible]	21.6
		-202.6	-327.3	109	290	-1865.2	-1128.3	-12	7					
36TH	133.62									[illegible]	-993.9	6.0	[illegible]	16.3
		-184.8	-324.6	109	290	-1701.2	-1118.9	-12	7					
37TH	137.28									[illegible]	-669.3	3.0	[illegible]	10.9
		-146.1	-292.5	109	290	-1345.0	-1008.3	-13	7					
38TH	140.94									-146.1	-376.8	1.0	[illegible]	6.2
		-146.1	-376.8	162	433	-901.1	-870.4	-14	6					
TOP	146.44									0.0	0.0	0.0	0.0	0.0

TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER TWO : BASED ON AEROELASTIC DATA
WIND DIRECTION 190 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN)		AREA (SQ M)		PRESSURE (PA)		ECCEN (M)		SHEAR (KN)		MOMENT (MN-M)		
		X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	Z
GRND	0.00									-4331.9	-10505.1	796.4	-320.6	156.0
		-98.6	-287.9	163	436	-604.3	-660.8	-16	5					
1ST	5.50									-4233.3	-10217.2	739.4	-297.1	150.9
		-82.5	-215.0	109	290	-759.8	-741.1	-15	6					
2ND	9.16									-4150.8	-10002.2	702.4	-281.7	147.2
		-96.3	-233.8	109	290	-886.6	-806.1	-14	6					
3RD	12.82									-4054.5	-9768.3	666.2	-266.7	143.4
		-100.8	-244.1	109	290	-928.3	-841.4	-13	6					
4TH	16.48									-3953.7	-9524.2	630.9	-252.4	139.6
		-100.8	-249.3	109	290	-928.2	-859.2	-13	5					
5TH	20.14									-3852.9	-9275.0	596.5	-237.8	135.9
		-100.8	-254.4	109	290	-928.2	-877.0	-12	5					
6TH	23.80									-3752.0	-9020.5	563.0	-223.9	132.3
		-102.4	-258.8	109	290	-943.1	-892.0	-12	5					
7TH	27.46									-3649.6	-8761.8	530.5	-210.3	128.7
		-105.0	-259.5	109	290	-967.2	-894.5	-12	5					
8TH	31.12									-3544.6	-8502.3	498.9	-197.1	125.1
		-107.7	-260.2	109	290	-991.3	-897.1	-12	5					
9TH	34.78									-3436.9	-8242.0	468.2	-184.4	121.4
		-110.3	-261.0	109	290	-1015.4	-899.6	-12	5					
10TH	38.44									-3326.6	-7981.0	438.5	-172.0	117.7
		-112.9	-261.7	109	290	-1039.5	-902.2	-12	5					
11TH	42.11									-3213.7	-7719.3	409.8	-160.0	114.0
		-115.5	-262.5	109	290	-1063.7	-904.8	-12	5					
12TH	45.77									-3098.2	-7456.8	382.0	-148.5	110.3
		-117.4	-262.4	109	290	-1081.2	-904.7	-12	5					
13TH	49.43									-2980.8	-7194.4	355.2	-137.3	106.6
		-118.7	-261.1	109	290	-1092.6	-900.1	-12	5					
14TH	53.09									-2862.1	-6933.3	329.3	-126.6	102.8
		-119.9	-259.8	109	290	-1104.0	-895.6	-12	6					
15TH	56.75									-2742.2	-6673.5	304.4	-116.4	99.0
		-121.1	-258.5	109	290	-1115.4	-891.0	-12	6					
16TH	60.41									-2621.0	-6415.0	280.5	-106.6	95.2
		-122.4	-257.2	109	290	-1126.8	-886.5	-12	6					
17TH	64.07									-2498.6	-6157.8	257.5	-97.2	91.4
		-123.6	-255.8	109	290	-1138.2	-881.9	-12	6					
18TH	67.73									-2375.0	-5902.0	235.4	-88.3	87.6
		-124.0	-254.5	109	290	-1141.3	-877.2	-12	6					
19TH	71.39									-2251.1	-5647.5	214.2	-79.8	83.8
		-123.0	-257.1	109	290	-1132.2	-886.4	-12	6					
20TH	75.05									-2128.1	-5390.4	194.0	-71.8	80.0
		-122.0	-259.8	109	290	-1123.1	-895.5	-12	6					
21ST	78.71									-2006.1	-5130.6	174.8	-64.2	76.1
		-121.0	-262.5	109	290	-1114.0	-904.7	-12	6					
22ND	82.37									-1885.1	-4868.1	156.5	-57.1	72.3
		-120.0	-265.1	109	290	-1104.9	-913.9	-12	5					
23RD	86.03									-1765.1	-4603.0	139.1	-50.4	68.4
		-119.0	-267.8	109	290	-1095.8	-923.1	-12	5					
24TH	89.69									-1646.1	-4335.2	122.8	-44.2	64.5
		-118.0	-270.5	109	290	-1086.4	-932.4	-12	5					

TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER TWO : BASED ON AEROELASTIC DATA

WIND DIRECTION 190 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN) X	FORCE (KN) Y	AREA (SQ M) X	AREA (SQ M) Y	PRESSURE (PA) X	PRESSURE (PA) Y	ECCEN (M) X	ECCEN (M) Y	SHEAR (KN) X	SHEAR (KN) Y	MOMENT (MN-M) X	MOMENT (MN-M) Y	MOMENT (MN-M) Z
25TH	93.35									-1528 1	-4064.7	107.4	-38.4	60.6
		-116.9	-272.6	109	290	-1076.1	-939.6	-12	5					
26TH	97.01									-1411.2	-3792.1	93.0	-33.0	56.6
		-115.8	-274.7	109	290	-1065.9	-946.8	-12	5					
27TH	100.68									-1295.5	-3517.5	79.7	-28.0	52.6
		-114.6	-276.7	109	290	-1055.6	-954.0	-12	5					
28TH	104.34									-1180.8	-3240.7	67.3	-23.5	48.6
		-113.5	-278.8	109	290	-1045 3	-961.1	-12	5					
29TH	108.00									-1067.3	-2961.9	55.9	-19.4	44.6
		-112.4	-280 9	109	290	-1035.0	-968.3	-13	5					
30TH	111.66									-954.9	-2681.0	45.6	-15.7	40.5
		-111.2	-283.0	109	290	-1024.0	-975.4	-13	5					
31ST	115.32									-843.6	-2398.0	36.3	-12.4	36.4
		-109.7	-286.2	109	290	-1009.8	-986.5	-13	5					
32ND	118.98									-734.0	-2111.8	28.0	-9.5	32.2
		-108.1	-289.5	109	290	-995.7	-997.9	-13	5					
33RD	122.64									-625.8	-1822.4	20.8	-7.0	27.9
		-106.6	-292.8	109	290	-981.5	-1009.3	-13	5					
34TH	126.30									-519.2	-1529.6	14.7	-4.9	23.5
		-105.1	-296.1	109	290	-967.3	-1020.7	-13	5					
35TH	129.96									-414.2	-1233.5	9.7	-3.2	19.1
		-103.5	-299.4	109	290	-953.1	-1032.1	-14	5					
36TH	133.62									-310.6	-934.1	5.7	-1.9	14.5
		-99.5	-299.2	109	290	-915 7	-1031.4	-14	5					
37TH	137.28									-211.2	-634.9	2.8	-.9	10.0
		-91.0	-273.7	109	290	-838.1	-943.6	-14	5					
38TH	140.94									-120.2	-361.1	1.0	-.3	5.7
		-120.2	-361.1	162	433	-741.3	-834.1	-14	5					
TOP	146.44									0.0	0.0	0.0	0.0	0.0

TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER TWO : BASED ON AEROELASTIC DATA
WIND DIRECTION 200 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN) X	FORCE (KN) Y	AREA (SQ M) X	AREA (SQ M) Y	PRESSURE (PA) X	PRESSURE (PA) Y	ECCEN (M) X	ECCEN (M) Y	SHEAR (KN) X	SHEAR (KN) Y	MOMENT (MN-M) X	MOMENT (MN-M) Y	MOMENT (MN-M) Z
GRND	0.00									-3055.0	-7067.2	519.7	-223.6	105.9
		-63.5	-262.1	163	436	-389.1	-601.4	-16	4					
1ST	5.50									-2991.5	-6805.1	481.5	-207.0	101.5
		-56.6	-190.0	109	290	-521.2	-655.0	-14	4					
2ND	9.16									-2934.9	-6615.1	457.0	-196.2	98.5
		-68.1	-202.5	109	290	-627.0	-697.9	-14	5					
3RD	12.82									-2866.8	-6412.6	433.1	-185.6	95.5
		-71.0	-206.4	109	290	-653.6	-711.5	-13	5					
4TH	16.48									-2795.8	-6206.2	410.0	-175.2	92.4
		-69.7	-203.9	109	290	-641.5	-702.9	-13	4					
5TH	20.14									-2726.1	-6002.3	387.7	-165.1	89.5
		-68.4	-201.4	109	290	-629 5	-694.3	-13	4					
6TH	23.80									-2657.8	-5800.9	366.1	-155.2	86.6
		-70.3	-199.4	109	290	-647.2	-687.4	-12	4					
7TH	27.46									-2587.5	-5601.5	345 2	-145.6	83.8
		-74.2	-195.0	109	290	-683.3	-672.2	-12	5					
8TH	31.12									-2513.3	-5406.5	325.1	-136.3	81.0
		-78.1	-190.6	109	290	-719.3	-656.9	-12	5					
9TH	34.78									-2435.2	-5215.9	305.6	-127.2	78.3
		-82.0	-186.1	109	290	-755.4	-641.6	-12	5					
10TH	38.44									-2353 1	-5029.8	286.9	-118.5	75.6
		-86.0	-181.7	109	290	-791.5	-626.3	-12	6					
11TH	42.11									-2267.1	-4848.1	268.8	-110.0	72.9
		-89.9	-177.2	109	290	-827.6	-611.0	-12	6					
12TH	45.77									-2177.3	-4670.9	251.4	-101.9	70.3
		-91.6	-172.4	109	290	-843 7	-594.4	-12	6					
13TH	49.43									-2085.6	-4498.5	234.6	-94.1	67.7
		-91.3	-169.5	109	290	-840 7	-584.4	-12	6					
14TH	53.09									-1994.3	-4328.9	218.4	-86.6	65.1
		-91.0	-166.6	109	290	-837.8	-574.4	-12	7					
15TH	56.75									-1903.3	-4162.3	202.9	-79.5	62.5
		-90.7	-163.7	109	290	-834.8	-564.4	-12	7					
16TH	60.41									-1812.7	-3998.6	188.0	-72.7	59.8
		-90.3	-160.8	109	290	-831.8	-554.4	-12	7					
17TH	64.07									-1722.3	-3837.8	173.6	-66.2	57.2
		-90.0	-157.9	109	290	-828.9	-544 3	-13	7					
18TH	67.73									-1632.3	-3679.8	159.9	-60.1	54.6
		-89.4	-154.7	109	290	-823.2	-533.4	-13	7					
19TH	71.39									-1542 9	-3525.1	146.7	-54.3	52.0
		-88.4	-151.5	109	290	-813.5	-522.2	-13	7					
20TH	75.05									1454.5	-3373.6	134.0	-48.8	49.4
		-87.3	-148.2	109	290	-803.8	-511.0	-13	7					
21ST	78.71									-1367.2	-3225.4	122.0	-43.6	46.9
		-86.3	-145.0	109	290	-794.1	-499.8	-12	7					
22ND	82.37									-1281.0	-3060.4	110.4	-38.8	44.4
		-85.2	-141.7	109	290	-784.5	-488.5	-12	7					
23RD	86.03									-1195.8	-2938.7	99.4	-34.2	42.0
		-84.1	-138.5	109	290	-774.8	-477.3	-12	7					
24TH	89.69									-1111.6	-2800.2	88.9	-30.0	39.7
		-82.8	-135.3	109	290	-762.7	-466.4	-12	8					

TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER TWO : BASED ON AEROELASTIC DATA
WIND DIRECTION 200 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN)		AREA (SQ M)		PRESSURE (PA)		ECCEN (M)		SHEAR (KN)		MOMENT (MN-M)		
		X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	Z
25TH	93.35									-1028.8	-2664.9	78.9	-26.1	37.4
		-80.9	-138.0	109	290	-745.0	-475.6	-12	7					
26TH	97.01									-947.9	-2526.9	69.4	-22.5	35.2
		-79.0	-140.7	109	290	-727.3	-484.8	-12	7					
27TH	100.68									-868.9	-2386.2	60.4	-19.1	32.9
		-77.1	-143.3	109	290	-709.7	-494.0	-13	7					
28TH	104.34									-791.8	-2242.9	51.9	-16.1	30.5
		-75.2	-146.0	109	290	-692.0	-503.2	-13	6					
29TH	108.00									-716.6	-2096.9	44.0	-13.3	28.2
		-73.2	-148.7	109	290	-674.3	-512.5	-13	6					
30TH	111.66									-643.4	-1948.3	36.6	-10.8	25.9
		-71.6	-151.4	109	290	-659.1	-521.9	-13	6					
31ST	115.32									-571.8	-1796.9	29.7	-8.6	23.5
		-71.1	-165.4	109	290	-654.4	-570.0	-13	5					
32ND	118.98									-500.7	-1631.5	23.4	-6.7	21.1
		-70.6	-180.3	109	290	-649.7	-621.5	-12	5					
33RD	122.64									-430.2	-1451.2	17.8	-5.0	18.5
		-70.0	-195.2	109	290	-644.9	-673.0	-12	4					
34TH	126.30									-360.1	-1255.9	12.9	-3.5	15.8
		-69.5	-210.2	109	290	-640.2	-724.5	-12	4					
35TH	129.96									-290.6	-1045.8	8.6	-2.3	13.0
		-69.0	-225.1	109	290	-635.5	-776.0	-12	4					
36TH	133.62									-221.6	-820.6	5.2	-1.4	10.1
		-67.5	-238.2	109	290	-621.5	-821.0	-12	3					
37TH	137.28									-154.1	-582.5	2.7	-.7	7.1
		-64.2	-235.6	109	290	-591.5	-812.2	-12	3					
38TH	140.94									-89.8	-346.9	1.0	-.2	4.2
		-89.8	-346.9	162	433	-554.1	-801.2	-11	3					
TOP	146.44									0.0	0.0	0.0	0.0	0.0

TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER TWO : BASED ON AEROELASTIC DATA
WIND DIRECTION 210 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN) X	FORCE (KN) Y	AREA (SQ M) X	AREA (SQ M) Y	PRESSURE (PA) X	PRESSURE (PA) Y	ECCEN (M) X	ECCEN (M) Y
GRND	0.00	84.0	+2.7	163	436	514.7	-6.1	-2	-66
1ST	5.50	27.6	-7.4	109	290	254.5	-25.6	-31	-117
2ND	9.16	6.1	-11.2	109	290	56.3	-38.8	-226	-123
3RD	12.82	-3.4	3.9	109	290	-31.7	13.3	452	405
4TH	16.48	-7.1	39.9	109	290	-65.8	137.4	73	13
5TH	20.14	-10.8	75.9	109	290	-99.9	261.5	38	5
6TH	23.80	-12.5	104.5	109	290	-114.8	360.2	26	3
7TH	27.46	-12.8	117.1	109	290	-117.9	403.7	23	2
8TH	31.12	-13.1	129.7	109	290	-121.0	447.2	20	2
9TH	34.78	-13.5	142.4	109	290	-124.2	490.8	18	2
10TH	38.44	-13.8	155.0	109	290	-127.3	534.3	16	1
11TH	42.11	-14.2	167.6	109	290	-130.4	577.8	14	1
12TH	45.77	-11.4	181.3	109	290	-105.0	625.1	13	1
13TH	49.43	-5.7	194.4	109	290	-52.5	670.3	12	0
14TH	53.09	.0	207.6	109	290	.0	715.5	11	-0
15TH	56.75	5.7	220.7	109	290	52.5	760.6	10	-0
16TH	60.41	11.4	233.8	109	290	105.0	805.8	9	-0
17TH	64.07	17.1	246.9	109	290	157.5	851.0	8	-1
18TH	67.73	22.7	259.2	109	290	209.0	893.6	7	-1
19TH	71.39	28.1	266.6	109	290	259.1	918.9	7	-1
20TH	75.05	33.6	273.9	109	290	309.1	944.2	7	-1
21ST	78.71	39.0	281.3	109	290	359.1	969.5	6	-1
22ND	82.37	44.4	288.6	109	290	409.1	994.8	6	-1
23RD	86.03	49.9	295.9	109	290	459.1	1020.1	6	-1
24TH	89.69	54.7	302.4	109	290	503.6	1042.3	5	-1

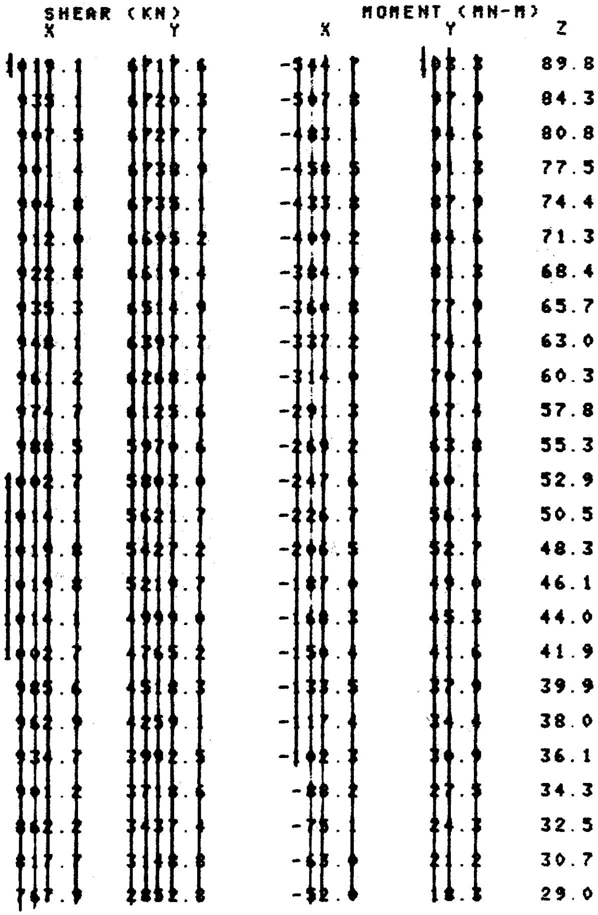

TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER TWO : BASED ON AEROELASTIC DATA
WIND DIRECTION 210 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN) X	FORCE (KN) Y	AREA (SQ M) X	AREA (SQ M) Y	PRESSURE (PA) X	PRESSURE (PA) Y	ECCEN (M) X	ECCEN (M) Y
25TH	93.35								
		58.1	297.6	109	290	534.9	1025.7	5	-1
26TH	97.01								
		61.5	292.8	109	290	566.3	1009.2	5	-1
27TH	100.68								
		64.9	288.0	109	290	597.7	992.6	5	-1
28TH	104.34								
		68.3	283.2	109	290	629.0	976.1	5	-1
29TH	108.00								
		71.7	278.4	109	290	660.4	959.5	5	-1
30TH	111.66								
		72.6	272.2	109	290	668.4	938.2	5	-1
31ST	115.32								
		63.0	240.5	109	290	579.7	829.0	6	-2
32ND	118.98								
		53.3	207.0	109	290	490.9	713.6	8	-2
33RD	122.64								
		43.7	173.5	109	290	402.2	598.2	10	-2
34TH	126.30								
		34.0	140.1	109	290	313.5	482.8	13	-3
35TH	129.96								
		24.4	106.6	109	290	224.8	367.4	18	-4
36TH	133.62								
		20.5	72.7	109	290	188.6	250.7	27	-8
37TH	137.28								
		26.5	7.6	109	290	243.7	26.4	24	-83
38TH	140.94								
		50.6	-109.6	162	433	312.3	-253.2	-30	-14
TOP	146.44								

SHEAR (KN) X Y
MOMENT (MN-M) X Y Z

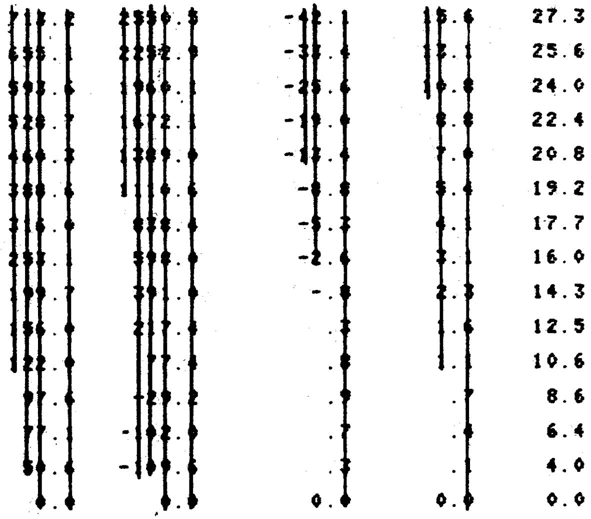

TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER TWO : BASED ON AEROELASTIC DATA
WIND DIRECTION 220 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN) X	FORCE (KN) Y	AREA (SQ M) X	AREA (SQ M) Y	PRESSURE (PA) X	PRESSURE (PA) Y	ECCEN (M) X	ECCEN (M) Y	SHEAR (KN) X	SHEAR (KN) Y	MOMENT (MN-M) X	MOMENT (MN-M) Y	MOMENT (MN-M) Z
GRND	0.00	178.2	547.5	163	436	1092.1	1256.5	17	-6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1ST	5.50	88.8	374.3	109	290	818.0	1290.4	16	-4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2ND	9.16	61.7	379.9	109	290	568.3	1309.6	14	-2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3RD	12.82	56.6	403.0	109	290	521.4	1389.3	12	-2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4TH	16.48	62.3	437.4	109	290	573.8	1507.6	10	-1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
5TH	20.14	68.0	471.7	109	290	626.1	1625.9	8	-1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
6TH	23.80	75.6	497.6	109	290	695.8	1715.1	7	-1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
7TH	27.46	84.3	505.5	109	290	776.1	1742.6	7	-1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
8TH	31.12	93.0	513.5	109	290	856.4	1770.1	6	-1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
9TH	34.78	101.7	521.5	109	290	936.8	1797.7	6	-1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
10TH	38.44	110.5	529.5	109	290	1017.1	1825.2	6	-1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
11TH	42.11	119.2	537.5	109	290	1097.4	1852.7	6	-1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
12TH	45.77	126.5	547.5	109	290	1164.8	1887.3	5	-1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
13TH	49.43	132.5	566.9	109	290	1220.0	1954.1	5	-1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
14TH	53.09	138.5	586.3	109	290	1275.2	2020.9	4	-1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
15TH	56.75	144.5	605.6	109	290	1330.3	2087.7	4	-1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
16TH	60.41	150.5	625.0	109	290	1385.5	2154.5	3	-1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
17TH	64.07	156.5	644.4	109	290	1440.7	2221.3	3	-1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
18TH	67.73	162.9	661.8	109	290	1500.2	2281.2	2	-1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
19TH	71.39	170.1	664.2	109	290	1566.1	2289.6	2	-1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
20TH	75.05	177.2	666.7	109	290	1631.9	2298.1	2	-1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
21ST	78.71	184.4	669.1	109	290	1697.8	2306.5	2	-1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
22ND	82.37	191.6	671.6	109	290	1763.7	2314.9	2	-1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
23RD	86.03	198.7	674.0	109	290	1829.5	2323.4	2	-1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
24TH	89.69	203.4	674.6	109	290	1872.9	2325.3	2	-1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER TWO : BASED ON AEROELASTIC DATA
WIND DIRECTION 220 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN) X	FORCE (KN) Y	AREA (SQ M) X	AREA (SQ M) Y	PRESSURE (PA) X	PRESSURE (PA) Y	ECCEN (M) X	ECCEN (M) Y
25TH	93.35	202.4	675.6	109	290	1864.0	2328.9	2	-1
26TH	97.01	201.5	676.7	109	290	1855.0	2332.6	1	-0
27TH	100.68	200.5	677.7	109	290	1846.1	2336.2	1	-0
28TH	104.34	199.5	678.8	109	290	1837.1	2339.9	1	-0
29TH	108.00	198.6	679.9	109	290	1828.2	2343.5	0	-0
30TH	111.66	194.5	679.1	109	290	1791.1	2340.9	-0	0
31ST	115.32	177.8	643.6	109	290	1637.4	2218.4	-0	0
32ND	118.98	161.2	605.5	109	290	1483.8	2087.4	-0	0
33RD	122.64	144.5	567.5	109	290	1330.1	1956.3	-0	0
34TH	126.30	127.8	529.5	109	290	1176.4	1825.3	-0	0
35TH	129.96	111.1	491.5	109	290	1022.7	1694.3	-0	0
36TH	133.62	95.1	448.7	109	290	875.8	1546.8	-0	0
37TH	137.28	80.4	356.7	109	290	740.6	1229.4	3	-1
38TH	140.94	92.7	361.1	162	433	572.1	834.0	9	-2
TOP	146.44								

SHEAR (KN) X Y MOMENT (MN-M) X Y Z

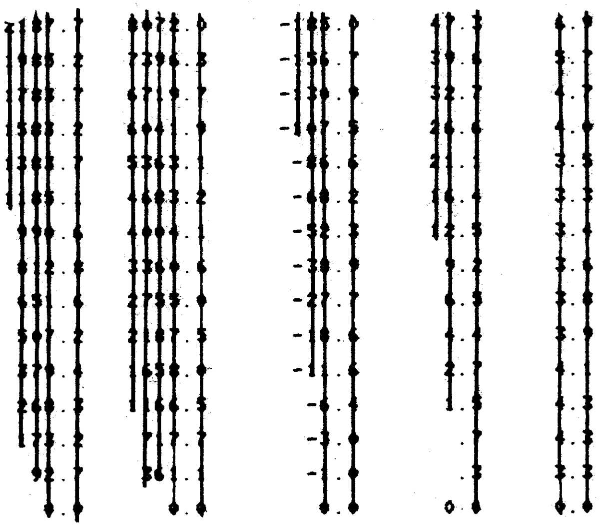

TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER TWO : BASED ON AEROELASTIC DATA
WIND DIRECTION 230 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN) X	FORCE (KN) Y	AREA (SQ M) X	AREA (SQ M) Y	PRESSURE (PA) X	PRESSURE (PA) Y	ECCEN (M) X	ECCEN (M) Y	SHEAR (KN) X	SHEAR (KN) Y	MOMENT (MN-M) X	MOMENT (MN-M) Y	MOMENT (MN-M) Z
GRND	0.00									[illegible]	7278.5	-491.3	[illegible]	[illegible]
		11.9	205.5	163	436	73.0	471.6	23	-1					
1ST	5.50									[illegible]	7073.0	-451.8	[illegible]	[illegible]
		-6.4	136.1	109	290	-59.3	469.2	16	1					
2ND	9.16									[illegible]	6936.8	-426.2	[illegible]	[illegible]
		-20.6	133.9	109	290	-189.8	461.5	11	2					
3RD	12.82									[illegible]	6803.0	-401.0	[illegible]	[illegible]
		-20.3	140.9	109	290	-187.4	485.7	6	1					
4TH	16.48									[illegible]	6662.1	-376.4	[illegible]	[illegible]
		-13.0	152.6	109	290	-119.8	525.9	3	0					
5TH	20.14									[illegible]	6509.5	-352.3	[illegible]	[illegible]
		-5.7	164.3	109	290	-52.2	566.2	-0	-0					
6TH	23.80									[illegible]	6345.2	-328.7	[illegible]	[illegible]
		1.4	174.3	109	290	12.6	600.8	-3	0					
7TH	27.46									[illegible]	6170.9	-305.8	[illegible]	[illegible]
		8.2	181.3	109	290	75.8	625.1	-3	0					
8TH	31.12									[illegible]	5989.6	-283.6	[illegible]	[illegible]
		15.1	188.4	109	290	138.9	649.3	-3	0					
9TH	34.78									[illegible]	5801.2	-262.0	[illegible]	[illegible]
		22.0	195.4	109	290	202.1	673.6	-3	0					
10TH	38.44									[illegible]	5605.8	-241.1	[illegible]	[illegible]
		28.8	202.4	109	290	265.3	697.8	-3	0					
11TH	42.11									[illegible]	5403.4	-221.0	[illegible]	[illegible]
		35.7	209.5	109	290	328.4	722.1	-4	1					
12TH	45.77									[illegible]	5193.9	-201.6	[illegible]	[illegible]
		40.3	215.7	109	290	371.1	743.6	-4	1					
13TH	49.43									[illegible]	4978.2	-183.0	[illegible]	[illegible]
		42.8	222.8	109	290	394.3	767.8	-5	1					
14TH	53.09									[illegible]	4755.4	-165.1	[illegible]	[illegible]
		45.3	229.8	109	290	417.4	792.1	-7	1					
15TH	56.75									[illegible]	4525.6	-148.2	[illegible]	[illegible]
		47.9	236.8	109	290	440.6	816.3	-8	2					
16TH	60.41									[illegible]	4288.8	-132.0	[illegible]	[illegible]
		50.4	243.8	109	290	463.8	840.6	-9	2					
17TH	64.07									[illegible]	4045.0	-116.8	[illegible]	[illegible]
		52.9	250.9	109	290	487.0	864.8	-9	2					
18TH	67.73									[illegible]	3794.1	-102.4	[illegible]	[illegible]
		51.9	255.1	109	290	477.6	879.4	-11	2					
19TH	71.39									[illegible]	3539.0	-89.0	[illegible]	[illegible]
		45.7	253.0	109	290	420.8	872.1	-13	2					
20TH	75.05									[illegible]	3286.0	-76.5	[illegible]	[illegible]
		39.5	250.9	109	290	363.9	864.8	-14	2					
21ST	78.71									[illegible]	3035.1	-64.9	[illegible]	[illegible]
		33.3	248.8	109	290	307.0	857.6	-16	2					
22ND	82.37									[illegible]	2786.3	-54.3	[illegible]	[illegible]
		27.2	246.7	109	290	250.1	850.3	-19	2					
23RD	86.03									[illegible]	2539.6	-44.5	[illegible]	[illegible]
		21.0	244.6	109	290	193.3	843.0	-21	2					
24TH	89.69									[illegible]	2295.1	-35.7	[illegible]	[illegible]
		16.0	243.3	109	290	146.9	838.7	-23	2					

TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER TWO : BASED ON AEROELASTIC DATA
WIND DIRECTION 230 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN) X	FORCE (KN) Y	AREA (SQ M) X	AREA (SQ M) Y	PRESSURE (PA) X	PRESSURE (PA) Y	ECCEN (M) X	ECCEN (M) Y	SHEAR (KN) X	SHEAR (KN) Y	MOMENT (MN-M) X	MOMENT (MN-M) Y	MOMENT (MN-M) Z
25TH	93.35									[illegible]	2051.8	-27.7	[illegible]	[illegible]
		13.6	245.0	109	290	124.9	844.7	-25	1					
26TH	97.01									[illegible]	1806.7	-20.7	[illegible]	[illegible]
		11.2	246.8	109	290	102.9	850.7	-27	1					
27TH	100.68									[illegible]	1559.9	-14.5	[illegible]	[illegible]
		8.8	248.5	109	290	80.9	856.7	-30	1					
28TH	104.34									[illegible]	1311.4	-9.2	[illegible]	[illegible]
		6.4	250.3	109	290	58.9	862.7	-32	1					
29TH	108.00									[illegible]	1061.1	-4.9	[illegible]	[illegible]
		4.0	252.0	109	290	36.9	868.7	-34	1					
30TH	111.66									[illegible]	809.1	-1.5	[illegible]	[illegible]
		-1.3	251.9	109	290	-11.9	868.2	-37	-0					
31ST	115.32									[illegible]	557.2	1.0	[illegible]	[illegible]
		-18.7	222.6	109	290	-172.0	767.5	-41	-3					
32ND	118.98									[illegible]	334.6	2.7	[illegible]	[illegible]
		-36.1	191.5	109	290	-332.1	660.1	-47	-9					
33RD	122.64									[illegible]	143.1	3.5	[illegible]	[illegible]
		-53.5	160.4	109	290	-492.2	552.8	-52	-17					
34TH	126.30									[illegible]	-17.3	3.8	[illegible]	[illegible]
		-70.9	129.2	109	290	-652.3	445.4	-55	-30					
35TH	129.96									[illegible]	-146.5	3.5	[illegible]	[illegible]
		-88.2	98.1	109	290	-812.4	338.0	-52	-47					
36TH	133.62									[illegible]	-244.5	2.7	[illegible]	[illegible]
		-110.2	58.4	109	290	-1014.5	201.3	-34	-65					
37TH	137.28									[illegible]	-302.9	1.7	[illegible]	[illegible]
		-140.0	-44.7	109	290	-1289.2	-153.9	16	-49					
38TH	140.94									[illegible]	-258.3	.7	[illegible]	[illegible]
		-264.4	-258.3	162	433	-1631.4	-596.6	16	-16					
TOP	146.44									0.0	0.0	0.0	0.0	0.0

TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER TWO : BASED ON AEROELASTIC DATA
WIND DIRECTION 240 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN) X	FORCE (KN) Y	AREA (SQ M) X	AREA (SQ M) Y	PRESSURE (PA) X	PRESSURE (PA) Y	ECCEN (M) X	ECCEN (M) Y	SHEAR (KN) X	SHEAR (KN) Y	MOMENT (MN-M) X	MOMENT (MN-M) Y	MOMENT (MN-M) Z
GRND	0.00									[illegible]	[illegible]	[illegible]	[illegible]	-111.2
		-607.8	-171.5	163	436	-3725.7	-393.6	1	-4					
1ST	5.50									[illegible]	[illegible]	[illegible]	[illegible]	-108.5
		-392.4	-72.3	109	290	-3612.5	-249.2	1	-5					
2ND	9.16									[illegible]	[illegible]	[illegible]	[illegible]	-106.7
		-412.5	-55.2	109	290	-3798.3	-190.3	1	-5					
3RD	12.82									[illegible]	[illegible]	[illegible]	[illegible]	-104.6
		-401.2	-29.4	109	290	-3693.8	-101.2	0	-5					
4TH	16.48									[illegible]	[illegible]	[illegible]	[illegible]	-102.5
		-374.4	-8.1	109	290	-3447.3	-28.1	0	-6					
5TH	20.14									[illegible]	[illegible]	[illegible]	[illegible]	-100.3
		-347.6	13.1	109	290	-3200.8	45.1	-0	-6					
6TH	23.80									[illegible]	[illegible]	[illegible]	[illegible]	-98.0
		-327.3	31.0	109	290	-3013.5	107.0	-1	-7					
7TH	27.46									[illegible]	[illegible]	[illegible]	[illegible]	-95.8
		-310.9	47.6	109	290	-2862.6	164.1	-1	-7					
8TH	31.12									[illegible]	[illegible]	[illegible]	[illegible]	-93.5
		-294.5	64.2	109	290	-2711.7	221.2	-2	-7					
9TH	34.78									[illegible]	[illegible]	[illegible]	[illegible]	-91.4
		-278.1	80.7	109	290	-2560.8	278.3	-2	-7					
10TH	38.44									[illegible]	[illegible]	[illegible]	[illegible]	-89.2
		-261.7	97.3	109	290	-2409.9	335.3	-3	-7					
11TH	42.11									[illegible]	[illegible]	[illegible]	[illegible]	-87.2
		-245.4	113.8	109	290	-2259.0	392.4	-3	-7					
12TH	45.77									[illegible]	[illegible]	[illegible]	[illegible]	-85.1
		-238.1	124.7	109	290	-2191.9	429.9	-3	-7					
13TH	49.43									[illegible]	[illegible]	[illegible]	[illegible]	-83.1
		-239.4	128.4	109	290	-2204.3	442.8	-4	-7					
14TH	53.09									[illegible]	[illegible]	[illegible]	[illegible]	-81.1
		-240.8	132.2	109	290	-2216.8	455.6	-4	-7					
15TH	56.75									[illegible]	[illegible]	[illegible]	[illegible]	-79.0
		-242.1	135.9	109	290	-2229.2	468.4	-4	-7					
16TH	60.41									[illegible]	[illegible]	[illegible]	[illegible]	-77.0
		-243.5	139.6	109	290	-2241.7	481.2	-4	-6					
17TH	64.07									[illegible]	[illegible]	[illegible]	[illegible]	-74.9
		-244.8	143.3	109	290	-2254.2	494.0	-4	-6					
18TH	67.73									[illegible]	[illegible]	[illegible]	[illegible]	-72.7
		-247.7	145.4	109	290	-2280.2	501.2	-4	-7					
19TH	71.39									[illegible]	[illegible]	[illegible]	[illegible]	-70.6
		-252.7	142.4	109	290	-2326.2	491.0	-4	-7					
20TH	75.05									[illegible]	[illegible]	[illegible]	[illegible]	-68.3
		-257.6	139.5	109	290	-2372.2	480.8	-4	-7					
21ST	78.71									[illegible]	[illegible]	[illegible]	[illegible]	-66.0
		-262.6	136.5	109	290	-2418.2	470.7	-4	-7					
22ND	82.37									[illegible]	[illegible]	[illegible]	[illegible]	-63.6
		-267.6	133.6	109	290	-2464.2	460.5	-4	-7					
23RD	86.03									[illegible]	[illegible]	[illegible]	[illegible]	-61.1
		-272.6	130.7	109	290	-2510.2	450.4	-4	-8					
24TH	89.69									[illegible]	[illegible]	[illegible]	[illegible]	-58.5
		-283.1	124.8	109	290	-2607.0	430.3	-3	-8					

TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER TWO : BASED ON AEROELASTIC DATA
WIND DIRECTION 240 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN) X	FORCE (KN) Y	AREA (SQ M) X	AREA (SQ M) Y	PRESSURE (PA) X	PRESSURE (PA) Y	ECCEN (M) X	ECCEN (M) Y	SHEAR (KN) X	SHEAR (KN) Y	MOMENT (MN-M) X	MOMENT (MN-M) Y	MOMENT (MN-M) Z
25TH	93.35									[illegible]	[illegible]	[illegible]	[illegible]	-55.9
		-306.5	117.8	109	290	-2822.1	406.1	-3	-8					
26TH	97.01									[illegible]	[illegible]	[illegible]	[illegible]	-53.0
		-329.9	110.8	109	290	-3037.1	381.9	-3	-8					
27TH	100.68									[illegible]	[illegible]	[illegible]	[illegible]	-50.0
		-353.2	103.8	109	290	-3252.2	357.8	-2	-8					
28TH	104.34									[illegible]	[illegible]	[illegible]	[illegible]	-46.8
		-376.6	96.8	109	290	-3467.2	333.6	-2	-8					
29TH	108.00									[illegible]	[illegible]	[illegible]	[illegible]	-43.4
		-399.9	89.8	109	290	-3682.3	309.4	-2	-8					
30TH	111.66									[illegible]	[illegible]	[illegible]	[illegible]	-39.8
		-426.5	81.1	109	290	-3926.6	279.7	-2	-9					
31ST	115.32									[illegible]	[illegible]	[illegible]	[illegible]	-36.1
		-466.2	43.9	109	290	-4292.0	151.4	-1	-8					
32ND	118.98									[illegible]	[illegible]	[illegible]	[illegible]	-32.1
		-505.9	4.7	109	290	-4657.5	16.2	-0	-8					
33RD	122.64									[illegible]	[illegible]	[illegible]	[illegible]	-28.0
		-545.5	-34.5	109	290	-5022.9	-118.9	0	-8					
34TH	126.30									[illegible]	[illegible]	[illegible]	[illegible]	-23.8
		-585.2	-73.7	109	290	-5388.4	-254.1	1	-7					
35TH	129.96									[illegible]	[illegible]	[illegible]	[illegible]	-19.3
		-624.9	-112.9	109	290	-5753.8	-389.2	1	-7					
36TH	133.62									[illegible]	[illegible]	[illegible]	[illegible]	-14.7
		-670.6	-164.0	109	290	-6174.2	-565.4	2	-7					
37TH	137.28									[illegible]	[illegible]	[illegible]	[illegible]	-10.0
		-726.6	-307.6	109	290	-6689.7	-1060.4	2	-5					
38TH	140.94									[illegible]	[illegible]	[illegible]	[illegible]	-5.7
		-1188.4	-726.1	162	433	-7332.1	-1677.2	2	-3					
TOP	146.44									[illegible]	[illegible]	[illegible]	[illegible]	0.0

TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER TWO : BASED ON AEROELASTIC DATA
WIND DIRECTION 250 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN) X	FORCE (KN) Y	AREA (SQ M) X	AREA (SQ M) Y	PRESSURE (PA) X	PRESSURE (PA) Y	ECCEN (M) X	ECCEN (M) Y	SHEAR (KN) X	SHEAR (KN) Y	MOMENT (MN-M) X	MOMENT (MN-M) Y	MOMENT (MN-M) Z
GRND	0.00									-4604.4	-10434.3	816.6	-367.0	-91.2
		-158.1	-505.2	163	436	-969.3	-1159.4	4	-1					
1ST	5.50									-4446.3	-9929.1	760.6	-342.1	-89.1
		-93.4	-293.8	109	290	-860.2	-1012.6	4	-1					
2ND	9.16									-4352.9	-9635.3	724.8	-326.0	-87.8
		-88.0	-268.8	109	290	-810.3	-926.7	4	-1					
3RD	12.82									-4264.9	-9366.5	690.0	-310.2	-86.4
		-89.1	-260.2	109	290	-820.0	-897.0	5	-2					
4TH	16.48									-4175.8	-9106.3	656.2	-294.7	-85.0
		-93.3	-261.5	109	290	-858.7	-901.4	5	-2					
5TH	20.14									-4082.5	-8844.8	623.4	-279.6	-83.4
		-97.5	-262.8	109	290	-897.5	-905.8	6	-2					
6TH	23.80									-3985.1	-8582.0	591.5	-264.9	-81.6
		-99.2	-257.4	109	290	-912.9	-887.2	6	-2					
7TH	27.46									-3885.9	-8324.6	560.5	-250.5	-79.8
		-99.3	-246.7	109	290	-914.0	-850.3	6	-3					
8TH	31.12									-3786.7	-8078.0	530.5	-236.4	-78.0
		-99.4	-235.9	109	290	-915.1	-813.3	7	-3					
9TH	34.78									-3687.3	-7842.1	501.3	-222.7	-76.2
		-99.5	-225.2	109	290	-916.1	-776.3	7	-3					
10TH	38.44									-3587.8	-7616.9	473.1	-209.4	-74.3
		-99.6	-214.5	109	290	-917.2	-739.3	7	-3					
11TH	42.11									-3488.1	-7402.4	445.6	-196.5	-72.5
		-99.7	-203.7	109	290	-918.3	-702.3	7	-4					
12TH	45.77									-3388.4	-7198.6	418.8	-183.9	-70.6
		-100.4	-196.2	109	290	-924.2	-676.2	8	-4					
13TH	49.43									-3288.0	-7002.5	392.8	-171.7	-68.7
		-101.5	-196.1	109	290	-934.6	-676.1	8	-4					
14TH	53.09									-3186.5	-6806.3	367.6	-159.8	-66.8
		-102.6	-196.1	109	290	-945.0	-676.0	8	-4					
15TH	56.75									-3083.9	-6610.2	343.0	-148.3	-64.7
		-103.8	-196.1	109	290	-955.4	-675.9	8	-4					
16TH	60.41									-2980.1	-6414.1	319.2	-137.2	-62.6
		-104.9	-196.1	109	290	-965.8	-675.9	9	-5					
17TH	64.07									-2875.2	-6218.0	296.1	-126.5	-60.4
		-106.0	-196.0	109	290	-976.2	-675.8	9	-5					
18TH	67.73									-2769.2	-6022.0	273.7	-116.2	-58.2
		-107.3	-196.8	109	290	-988.3	-678.3	9	-5					
19TH	71.39									-2661.8	-5825.2	252.0	-106.2	-55.9
		-108.9	-200.5	109	290	-1002.9	-691.0	9	-5					
20TH	75.05									-2552.9	-5624.7	231.0	-96.7	-53.5
		-110.5	-204.2	109	290	-1017.5	-703.7	9	-5					
21ST	78.71									-2442.4	-5420.6	210.8	-87.6	-51.1
		-112.1	-207.8	109	290	-1032.0	-716.4	9	-5					
22ND	82.37									-2330.3	-5212.7	191.3	-78.8	-48.7
		-113.7	-211.5	109	290	-1046.6	-729.1	9	-5					
23RD	86.03									-2216.7	-5001.2	172.6	-70.5	-46.2
		-115.3	-215.2	109	290	-1061.1	-741.9	9	-5					
24TH	89.69									-2101.4	-4786.0	154.7	62.6	-43.7
		-117.0	-219.3	109	290	-1076.9	-756.1	9	-5					

TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER TWO : BASED ON AEROELASTIC DATA
WIND DIRECTION 250 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN) X	FORCE (KN) Y	AREA (SQ M) X	AREA (SQ M) Y	PRESSURE (PA) X	PRESSURE (PA) Y	ECCEN (M) X	ECCEN (M) Y	SHEAR (KN) X	SHEAR (KN) Y	MOMENT (MN-M) X	MOMENT (MN-M) Y	MOMENT (MN-M) Z
25TH	93.35									-1984.4	-4566.6	137.6	-55.1	-41.2
		-119.0	-226.3	109	290	-1095.5	-780.2	9	-5					
26TH	97.01									-1865.5	-4340.3	121.3	-48.1	-38.6
		-121.0	-233.3	109	290	-1114.0	-804.2	9	-5					
27TH	100.68									-1744.5	-4107.0	105.8	-41.5	-35.9
		-123.0	-240.3	109	290	-1132.6	-828.3	9	-5					
28TH	104.34									-1621.4	-3866.7	91.2	-35.3	-33.2
		-125.0	-247.3	109	290	-1151.2	-852.3	9	-4					
29TH	108.00									-1496.4	-3619.5	77.5	-29.6	-30.5
		-127.0	-254.2	109	290	-1169.7	-876.4	9	-4					
30TH	111.66									-1369.4	-3365.2	64.8	-24.4	-27.7
		-129.6	-262.3	109	290	-1193.1	-904.2	9	-4					
31ST	115.32									-1239.8	-3102.9	52.9	-19.6	-24.9
		-134.3	-281.4	109	290	-1236.4	-969.9	8	-4					
32ND	118.98									-1105.5	-2821.6	42.1	-15.3	-22.0
		-139.0	-301.0	109	290	-1279.7	-1037.6	8	-4					
33RD	122.64									-966.5	-2520.5	32.3	-11.5	-19.0
		-143.7	-320.7	109	290	-1323.0	-1105.4	8	-4					
34TH	126.30									-822.8	-2199.9	23.7	-8.2	-16.0
		-148.4	-340.3	109	290	-1366.3	-1173.1	8	-3					
35TH	129.96									-674.4	-1859.5	16.2	-5.5	-12.9
		-153.1	-360.0	109	290	-1409.7	-1240.9	7	-3					
36TH	133.62									-521.3	-1499.5	10.1	-3.3	-9.8
		-154.5	-376.3	109	290	-1422.9	-1297.1	7	-3					
37TH	137.28									-366.8	-1123.3	5.3	-1.7	-6.6
		-150.3	-418.9	109	290	-1383.9	-1443.9	6	-2					
38TH	140.94									-216.5	-704.4	1.9	-.6	-3.8
		-216.5	-704.4	162	433	-1335.4	-1627.0	5	-1					
TOP	146.44									0.0	0.0	0.0	0.0	0.0

TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER TWO : BASED ON AEROELASTIC DATA
WIND DIRECTION 260 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN) X	FORCE (KN) Y	AREA (SQ M) X	AREA (SQ M) Y	PRESSURE (PA) X	PRESSURE (PA) Y	ECCEN (M) X	ECCEN (M) Y	SHEAR (KN) X	SHEAR (KN) Y	MOMENT (MN-M) X	MOMENT (MN-M) Y	MOMENT (MN-M) Z
GRND	0.00									-4619.6	-12940.5	998.9	-365.4	-89.8
		-152.8	-521.5	163	436	-936.5	-1196.8	4	-1					
1ST	5.50									-4466.8	-12419.0	929.1	-340.4	-87.4
		-92.8	-319.7	109	290	-854.0	-1101.9	4	-1					
2ND	9.16									-4374.0	-12099.3	884.3	-324.2	-86.0
		-87.8	-301.5	109	290	-808.7	-1039.4	4	-1					
3RD	12.82									-4286.2	-11797.8	840.5	-308.3	-84.7
		-88.0	-295.1	109	290	-810.3	-1017.3	4	-1					
4TH	16.48									-4198.2	-11502.7	797.9	-292.8	-83.3
		-90.7	-297.6	109	290	-834.8	-1025.8	4	-1					
5TH	20.14									-4107.5	-11205.1	756.3	-277.8	-81.9
		-93.3	-300.0	109	290	-859.3	-1034.3	5	-1					
6TH	23.80									-4014.2	-10905.1	715.8	-262.8	-80.3
		-95.1	-300.2	109	290	-875.5	-1034.7	5	-2					
7TH	27.46									-3919.1	-10604.9	676.5	-248.2	-78.7
		-96.3	-297.9	109	290	-886.6	-1026.8	5	-2					
8TH	31.12									-3822.8	-10307.0	638.2	-234.1	-77.0
		-97.5	-295.6	109	290	-897.7	-1019.0	5	-2					
9TH	34.78									-3725.3	-10011.4	601.0	-220.2	-75.3
		-98.7	-293.3	109	290	-908.8	-1011.1	6	-2					
10TH	38.44									-3626.6	-9718.1	564.9	-206.8	-73.4
		-99.9	-291.0	109	290	-920.0	-1003.2	6	-2					
11TH	42.11									-3526.7	-9427.0	529.8	-193.7	-71.5
		-101.1	-288.7	109	290	-931.1	-995.3	6	-2					
12TH	45.77									-3425.6	-9138.3	495.9	-181.0	-69.6
		-102.8	-287.5	109	290	-946.4	-991.0	6	-2					
13TH	49.43									-3322.8	-8850.8	462.9	-168.6	-67.5
		-104.9	-287.9	109	290	-965.7	-992.3	6	-2					
14TH	53.09									-3217.9	-8562.9	431.1	-156.6	-65.4
		-107.0	-288.2	109	290	-984.9	-993.5	7	-2					
15TH	56.75									-3110.9	-8274.7	400.3	-145.1	-63.2
		-109.1	-288.6	109	290	-1004.2	-994.8	7	-3					
16TH	60.41									-3001.8	-7986.1	370.5	-133.9	-61.0
		-111.2	-288.9	109	290	-1023.5	-996.0	7	-3					
17TH	64.07									-2890.7	-7697.2	341.8	-123.1	-58.7
		-113.3	-289.3	109	290	-1042.8	-997.2	7	-3					
18TH	67.73									-2777.4	-7407.9	314.1	-112.7	-56.4
		-114.9	-289.3	109	290	-1058.0	-997.1	7	-3					
19TH	71.39									-2662.5	-7118.6	287.5	-102.8	-54.0
		-115.9	-290.7	109	290	-1067.4	-1002.1	7	-3					
20TH	75.05									-2546.6	-6827.9	262.0	-93.2	-51.6
		-116.9	-292.1	109	290	-1076.7	-1007.0	7	-3					
21ST	78.71									-2429.6	-6535.8	237.6	-84.1	-49.2
		-118.0	-293.6	109	290	-1086.0	-1011.9	7	-3					
22ND	82.37									-2311.7	-6242.2	214.2	-75.4	-46.7
		-119.0	-295.0	109	290	-1095.3	-1016.8	7	-3					
23RD	86.03									-2192.7	-5947.2	191.9	-67.2	-44.3
		-120.0	-296.4	109	290	-1104.7	-1021.8	7	-3					
24TH	89.69									-2072.7	-5650.8	170.6	-59.4	-41.8
		-121.5	-298.9	109	290	-1119.0	-1030.2	7	-3					

TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER TWO : BASED ON AEROELASTIC DATA
WIND DIRECTION 260 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN)		AREA (SQ M)		PRESSURE (PA)		ECCEN (M)		SHEAR (KN)		MOMENT (MN-M)		
		X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	Z
25TH	93.35									-1951.2	-5352.0	150.5	-52.0	-39.3
		-124.4	-307.1	109	290	-1145.2	-1058.7	7	-3					
26TH	97.01									-1826.8	-5044.8	131.5	-45.1	-36.7
		-127.2	-315.4	109	290	-1171.3	-1087.2	7	-3					
27TH	100.68									-1699.6	-4729.5	113.6	-38.7	-34.1
		-130.1	-323.7	109	290	-1197.5	-1115.7	7	-3					
28TH	104.34									-1569.5	-4405.8	96.9	-32.7	-31.3
		-132.9	-331.9	109	290	-1223.6	-1144.2	7	-3					
29TH	108.00									-1436.6	-4073.9	81.3	-27.2	-28.5
		-135.7	-340.2	109	290	-1249.8	-1172.7	7	-3					
30TH	111.66									-1300.9	-3733.7	67.0	-22.2	-25.6
		-138.2	-348.0	109	290	-1272.9	-1199.5	7	-3					
31ST	115.32									-1162.6	-3385.7	54.0	-17.6	-22.7
		-139.4	-360.5	109	290	-1283.2	-1242.6	7	-3					
32ND	118.98									-1023.3	-3025.2	42.3	-13.6	-19.8
		-140.5	-373.6	109	290	-1293.5	-1287.8	7	-3					
33RD	122.64									-882.8	-2651.6	31.9	-10.2	-16.9
		-141.6	-386.7	109	290	-1303.8	-1333.0	7	-2					
34TH	126.30									-741.2	-2264.9	22.9	-7.2	-14.0
		-142.7	-399.8	109	290	-1314.1	-1378.2	6	-2					
35TH	129.96									-598.5	-1865.1	15.3	-4.7	-11.2
		-143.8	-412.9	109	290	-1324.4	-1423.4	6	-2					
36TH	133.62									-454.6	-1452.2	9.3	-2.8	-8.4
		-141.3	-419.6	109	290	-1300.9	-1446.5	6	-2					
37TH	137.28									-313.3	-1032.6	4.7	-1.4	-5.7
		-132.4	-416.6	109	290	-1218.7	-1436.0	5	-2					
38TH	140.94									-181.0	-616.0	1.7	-.5	-3.2
		-181.0	-616.0	162	433	-1116.4	-1422.8	5	-1					
TOP	146.44									0.0	0.0	0.0	0.0	0.0

TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER TWO : BASED ON AEROELASTIC DATA
WIND DIRECTION 270 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN) X	FORCE (KN) Y	AREA (SQ M) X	AREA (SQ M) Y	PRESSURE (PA) X	PRESSURE (PA) Y	ECCEN (M) X	ECCEN (M) Y	SHEAR (KN) X	SHEAR (KN) Y	MOMENT (MN-M) X	MOMENT (MN-M) Y	MOMENT (MN-M) Z
GRND	0.00									-4451.2	-11379.8	882.2	-350.8	-80.8
		-145.6	-423.6	163	436	-892.7	-972.1	5	-2					
1ST	5.50									-4305.6	-10956.2	820.8	-326.8	-78.6
		-89.6	-264.2	109	290	-825.0	-910.5	5	-2					
2ND	9.16									-4216.0	-10692.1	781.1	-311.2	-77.3
		-84.8	-251.3	109	290	-780.7	-866.2	4	-1					
3RD	12.82									-4131.2	-10440.8	742.5	-295.9	-76.1
		-84.9	-246.4	109	290	-781.2	-849.4	4	-2					
4TH	16.48									-4046.3	-10194.4	704.7	-280.9	-74.8
		-87.3	-247.2	109	290	-803.7	-852.0	5	-2					
5TH	20.14									-3959.0	-9947.2	667.8	-266.3	-73.6
		-89.7	-247.9	109	290	-826.1	-854.6	5	-2					
6TH	23.80									-3869.3	-9699.3	631.9	-251.9	-72.3
		-91.8	-249.0	109	290	-845.6	-858.4	5	-2					
7TH	27.46									-3777.5	-9450.3	596.8	-238.0	-70.9
		-93.8	-251.4	109	290	-863.3	-866.5	5	-2					
8TH	31.12									-3683.7	-9198.9	562.7	-224.3	-69.4
		-95.7	-253.7	109	290	-881.1	-874.6	5	-2					
9TH	34.78									-3588.0	-8945.2	529.5	-211.0	-67.8
		-97.6	-256.1	109	290	-898.8	-882.7	6	-2					
10TH	38.44									-3490.4	-8689.2	497.2	-198.0	-66.2
		-99.5	-258.4	109	290	-916.5	-890.8	6	-2					
11TH	42.11									-3390.8	-8430.8	465.9	-185.4	-64.4
		-101.5	-260.8	109	290	-934.2	-898.9	6	-2					
12TH	45.77									-3289.4	-8170.0	435.5	-173.2	-62.6
		-102.7	-262.1	109	290	-945.8	-903.4	6	-2					
13TH	49.43									-3186.6	-7907.9	406.1	-161.4	-60.7
		-103.4	-262.0	109	290	-951.6	-903.1	6	-3					
14TH	53.09									-3083.3	-7645.9	377.6	-149.9	-58.7
		-104.0	-261.9	109	290	-957.4	-902.8	7	-3					
15TH	56.75									-2979.3	-7384.0	350.1	-138.8	-56.7
		-104.6	-261.8	109	290	-963.3	-902.5	7	-3					
16TH	60.41									-2874.7	-7122.2	323.5	-128.1	-54.7
		-105.3	-261.7	109	290	-969.1	-902.2	7	-3					
17TH	64.07									-2769.4	-6860.5	297.9	-117.7	-52.6
		-105.9	-261.6	109	290	-974.9	-901.9	7	-3					
18TH	67.73									-2663.5	-6598.9	273.3	-107.8	-50.5
		-107.1	-262.4	109	290	-985.8	-904.7	7	-3					
19TH	71.39									-2556.5	-6336.4	249.6	-98.2	-48.3
		-109.1	-265.6	109	290	-1004.3	-915.7	7	-3					
20TH	75.05									-2447.4	-6070.8	226.9	-89.1	-46.1
		-111.1	-268.8	109	290	-1022.7	-926.7	7	-3					
21ST	78.71									-2336.3	-5801.9	205.2	-80.3	-43.8
		-113.1	-272.0	109	290	-1041.2	-937.8	7	-3					
22ND	82.37									-2223.2	-5529.9	184.4	-72.0	-41.5
		-115.1	-275.2	109	290	-1059.6	-948.8	7	-3					
23RD	86.03									-2108.2	-5254.7	164.7	-64.1	-39.2
		-117.1	-278.4	109	290	-1078.1	-959.8	7	-3					
24TH	89.69									-1991.1	-4976.2	146.0	-56.5	-36.8
		-119.2	-281.9	109	290	-1097.9	-971.7	7	-3					

TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER TWO : BASED ON AEROELASTIC DATA
WIND DIRECTION 270 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN) X	FORCE (KN) Y	AREA (SQ M) X	AREA (SQ M) Y	PRESSURE (PA) X	PRESSURE (PA) Y	ECCEN (M) X	ECCEN (M) Y	SHEAR (KN) X	SHEAR (KN) Y	MOMENT (MN-M) X	MOMENT (MN-M) Y	MOMENT (MN-M) Z
25TH	93.35									-1871.8	-4694.3	128.3	-49.5	-34.4
		-121.8	-287.8	109	290	-1121.1	-992.2	7	-3					
26TH	97.01									-1750.1	-4406.5	111.6	-42.8	-31.9
		-124.3	-293.8	109	290	-1144.3	-1012.7	7	-3					
27TH	100.68									-1625.8	-4112.7	96.0	-36.7	-29.4
		-126.8	-299.7	109	290	-1167.4	-1033.1	7	-3					
28TH	104.34									-1499.0	-3813.0	81.5	-30.9	-26.8
		-129.3	-305.7	109	290	-1190.6	-1053.6	7	-3					
29TH	108.00									-1369.7	-3507.3	68.1	-25.7	-24.2
		-131.8	-311.6	109	290	-1213.7	-1074.1	7	-3					
30TH	111.66									-1237.8	-3195.7	55.8	-20.9	-21.5
		-134.0	-317.1	109	290	-1233.3	-1092.9	7	-3					
31ST	115.32									-1103.9	-2878.7	44.7	-16.6	-18.7
		-134.5	-324.6	109	290	-1238.3	-1119.0	7	-3					
32ND	118.98									-969.4	-2554.0	34.8	-12.8	-16.1
		-135.0	-332.6	109	290	-1243.3	-1146.4	7	-3					
33RD	122.64									-834.4	-2221.5	26.0	-9.5	-13.6
		-135.6	-340.7	109	290	-1248.3	-1173.7	6	-2					
34TH	126.30									-698.8	-1881.0	18.5	-6.7	-11.2
		-136.1	-348.4	109	290	-1253.3	-1201.1	6	-2					
35TH	129.96									-562.6	-1532.5	12.3	-4.4	-8.8
		-136.7	-356.4	109	290	-1258.3	-1228.4	5	-2					
36TH	133.62									-426.0	-1176.2	7.3	-2.6	-6.6
		-133.6	-358.4	109	290	-1230.1	-1235.3	5	-2					
37TH	137.28									-292.4	-817.8	3.7	-1.3	-4.6
		-124.3	-341.0	109	290	-1144.2	-1175.6	5	-2					
38TH	140.94									-168.1	-476.7	1.3	-.5	-2.6
		-168.1	-476.7	162	433	-1037.1	-1101.2	5	-2					
TOP	146.44									0.0	0.0	0.0	0.0	0.0

TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER TWO : BASED ON AEROELASTIC DATA
WIND DIRECTION 280 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN) X	FORCE (KN) Y	AREA (SQ M) X	AREA (SQ M) Y	PRESSURE (PA) X	PRESSURE (PA) Y	ECCEN (M) X	ECCEN (M) Y	SHEAR (KN) X	SHEAR (KN) Y	MOMENT (MN-M) X	MOMENT (MN-M) Y	MOMENT (MN-M) Z
GRND	0.00	-143.4	-374.8	163	436	-878.8	-860.1	5	-2	-4233.2	-9516.9	715.6	-328.8	-79.6
1ST	5.50	-90.4	-236.5	109	290	-832.2	-815.2	5	-2	-4089.9	-9142.1	664.3	-305.9	-77.5
2ND	9.16	-86.9	-226.7	109	290	-799.8	-781.5	5	-2	-3999.5	-8905.6	631.3	-291.1	-76.2
3RD	12.82	-86.5	-222.5	109	290	-796.5	-766.9	5	-2	-3912.6	-8678.9	599.1	-276.6	-74.9
4TH	16.48	-87.7	-222.7	109	290	-807.3	-767.7	5	-2	-3826.1	-8456.4	567.8	-262.4	-73.6
5TH	20.14	-88.9	-222.9	109	290	-818.1	-768.5	5	-2	-3738.4	-8233.7	537.2	-248.6	-72.3
6TH	23.80	-90.3	-223.5	109	290	-831.0	-770.4	5	-2	-3649.6	-8010.8	507.5	-235.1	-70.9
7TH	27.46	-91.8	-224.3	109	290	-845.3	-773.1	6	-2	-3559.3	-7787.3	478.6	-221.9	-69.5
8TH	31.12	-93.4	-225.0	109	290	-859.6	-775.7	6	-2	-3467.5	-7563.0	450.5	-209.0	-68.0
9TH	34.78	-94.9	-225.8	109	290	-873.9	-778.3	6	-3	-3374.1	-7338.0	423.2	-196.5	-66.4
10TH	38.44	-96.5	-226.5	109	290	-888.2	-780.9	7	-3	-3279.2	-7112.2	396.7	-184.3	-64.7
11TH	42.11	-98.0	-227.3	109	290	-902.5	-783.5	7	-3	-3182.7	-6885.7	371.1	-172.5	-63.0
12TH	45.77	-99.2	-227.6	109	290	-913.0	-784.5	7	-3	-3084.7	-6658.4	346.3	-161.0	-61.1
13TH	49.43	-99.9	-227.5	109	290	-919.9	-784.3	7	-3	-2985.5	-6430.8	322.4	-149.9	-59.2
14TH	53.09	-100.7	-227.5	109	290	-926.8	-784.1	7	-3	-2885.6	-6203.3	299.3	-139.1	-57.3
15TH	56.75	-101.4	-227.4	109	290	-933.7	-783.9	7	-3	-2785.0	-5975.8	277.0	-128.8	-55.3
16TH	60.41	-102.2	-227.3	109	290	-940.6	-783.7	8	-3	-2683.5	-5748.4	255.5	-118.8	-53.2
17TH	64.07	-102.9	-227.3	109	290	-947.5	-783.5	8	-4	-2581.4	-5521.1	234.9	-109.1	-51.2
18TH	67.73	-103.9	-227.5	109	290	-956.3	-784.2	8	-4	-2478.5	-5293.8	215.1	-99.9	-49.0
19TH	71.39	-105.1	-228.1	109	290	-967.9	-786.4	8	-4	-2374.6	-5066.3	196.1	-91.0	-46.9
20TH	75.05	-106.4	-228.8	109	290	-979.4	-788.6	8	-4	-2269.5	-4838.2	178.0	-82.5	-44.7
21ST	78.71	-107.6	-229.4	109	290	-991.0	-790.8	8	-4	-2163.1	-4609.4	160.7	-74.4	-42.4
22ND	82.37	-108.9	-230.0	109	290	·1002.6	-793.0	8	-4	-2055.5	-4380.0	144.2	-66.6	-40.2
23RD	86.03	-110.2	-230.7	109	290	1014.2	-795.2	8	-4	-1946.6	-4149.9	128.6	-59.3	-37.8
24TH	89.69	-111.5	-231.4	109	290	1026.6	-797.8	8	-4	-1836.4	-3919.2	113.9	-52.4	-35.5

TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER TWO : BASED ON AEROELASTIC DATA
WIND DIRECTION 280 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN) X	FORCE (KN) Y	AREA (SQ M) X	AREA (SQ M) Y	PRESSURE (PA) X	PRESSURE (PA) Y	ECCEN (M) X	ECCEN (M) Y	SHEAR (KN) X	SHEAR (KN) Y	MOMENT (MN-M) X	MOMENT (MN-M) Y	MOMENT (MN-M) Z
25TH	93.35									-1724.9	-3687.8	99.9	-45.9	-33.1
		-113.0	-234.5	109	290	-1040.9	-808.2	8	-4					
26TH	97.01									-1611.9	-3453.3	86.9	-39.8	-30.8
		-114.6	-237.5	109	290	-1055.1	-818.7	8	-4					
27TH	100.68									-1497.3	-3215.8	74.7	-34.1	-28.4
		-116.1	-240.5	109	290	-1069.4	-829.1	8	-4					
28TH	104.34									-1381.1	-2975.3	63.3	-28.8	-25.9
		-117.7	-243.6	109	290	-1083.7	-839.5	8	-4					
29TH	108.00									-1263.4	-2731.7	52.9	-24.0	-23.5
		-119.3	-246.6	109	290	-1098.0	-850.0	8	-4					
30TH	111.66									-1144.2	-2485.2	43.3	-19.6	-21.1
		-120.7	-249.5	109	290	-1111.5	-860.1	8	-4					
31ST	115.32									-1023.5	-2235.7	34.7	-15.6	-18.6
		-121.8	-254.5	109	290	-1121.9	-877.1	8	-4					
32ND	118.98									-901.6	-1981.2	27.0	-12.1	-16.2
		-123.0	-259.6	109	290	-1132.3	-894.9	7	-3					
33RD	122.64									-778.6	-1721.6	20.2	-9.0	-13.9
		-124.1	-264.8	109	290	-1142.7	-912.6	7	-3					
34TH	126.30									-654.5	-1456.8	14.4	-6.4	-11.6
		-125.2	-269.9	109	290	-1153.1	-930.4	7	-3					
35TH	129.96									-529.3	-1186.9	9.5	-4.2	-9.3
		-126.4	-275.1	109	290	-1163.4	-948.2	7	-3					
36TH	133.62									-402.9	-911.9	5.7	-2.5	-7.2
		-124.4	-276.0	109	290	-1145.6	-951.3	6	-3					
37TH	137.28									-278.5	-635.9	2.9	-1.2	-5.1
		-117.2	-264.0	109	290	-1078.8	-910.2	7	-3					
38TH	140.94									-161.4	-371.8	1.0	-.4	-3.0
		-161.4	-371.8	162	433	-995.5	-858.9	7	-3					
TOP	146.44									0.0	0.0	0.0	0.0	0.0

TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER TWO : BASED ON AEROELASTIC DATA

WIND DIRECTION 290 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN) X	FORCE (KN) Y	AREA (SQ M) X	AREA (SQ M) Y	PRESSURE (PA) X	PRESSURE (PA) Y	ECCEN (M) X	ECCEN (M) Y	SHEAR (KN) X	SHEAR (KN) Y	MOMENT (MN-M) X	MOMENT (MN-M) Y	MOMENT (MN-M) Z
GRND	0.00	-147.7	-430.8	163	436	-905.6	-988.7	6	-2	-4111.6	-9867.6	716.7	-317.4	-95.9
1ST	5.50	-91.6	-272.0	109	290	-843.1	-937.7	6	-2	-3963.8	-9436.8	663.7	-295.2	-93.2
2ND	9.16	-86.8	-261.2	109	290	-799.4	-900.3	6	-2	-3872.3	-9164.8	629.6	-280.9	-91.5
3RD	12.82	-86.2	-256.4	109	290	-793.4	-883.8	6	-2	-3785.4	-8903.6	596.5	-266.9	-89.9
4TH	16.48	-87.5	-254.7	109	290	-806.0	-878.0	6	-2	-3699.3	-8647.2	564.4	-253.2	-88.2
5TH	20.14	-88.9	-253.0	109	290	-818.5	-872.1	6	-2	-3611.7	-8392.5	533.2	-239.8	-86.5
6TH	23.80	-90.0	-251.3	109	290	-829.0	-866.1	7	-2	-3522.8	-8139.5	503.0	-226.7	-84.7
7TH	27.46	-91.0	-249.8	109	290	-838.3	-861.2	7	-2	-3432.8	-7888.2	473.6	-214.0	-82.9
8TH	31.12	-92.1	-248.4	109	290	-847.6	-856.4	7	-3	-3341.8	-7638.4	445.2	-201.6	-81.0
9TH	34.78	-93.1	-247.0	109	290	-856.9	-851.5	7	-3	-3249.7	-7390.0	417.7	-189.5	-79.0
10TH	38.44	-94.1	-245.6	109	290	-866.2	-846.6	7	-3	-3156.6	-7142.9	391.1	-177.8	-76.9
11TH	42.11	-95.1	-244.2	109	290	-875.5	-841.7	8	-3	-3062.5	-6897.3	365.4	-166.4	-74.9
12TH	45.77	-95.9	-242.6	109	290	-883.2	-836.3	8	-3	-2967.4	-6653.2	340.6	-155.4	-72.7
13TH	49.43	-96.6	-241.2	109	290	-889.4	-831.5	8	-3	-2871.5	-6410.6	316.7	-144.7	-70.5
14TH	53.09	-97.3	-239.8	109	290	-895.6	-826.7	8	-3	-2774.9	-6169.3	293.7	-134.4	-68.2
15TH	56.75	-97.9	-238.4	109	290	-901.7	-821.9	9	-4	-2677.6	-5929.5	271.5	-124.4	-65.9
16TH	60.41	-98.6	-237.0	109	290	-907.9	-817.1	9	-4	-2579.7	-5691.1	250.3	-114.8	-63.5
17TH	64.07	-99.3	-235.6	109	290	-914.0	-812.3	9	-4	-2481.1	-5454.0	229.9	-105.5	-61.0
18TH	67.73	-100.0	-234.4	109	290	-920.5	-807.9	9	-4	-2381.8	-5218.4	210.3	-96.6	-58.5
19TH	71.39	-100.7	-233.5	109	290	-927.3	-804.9	9	-4	-2281.9	-4984.0	191.6	-88.1	-56.0
20TH	75.05	-101.5	-232.6	109	290	-934.1	-801.9	9	-4	-2181.1	-4750.5	173.8	-79.9	-53.4
21ST	78.71	-102.2	-231.8	109	290	-941.0	-799.0	9	-4	-2079.7	-4517.9	156.9	-72.1	-50.8
22ND	82.37	-102.9	-230.9	109	290	-947.8	-796.0	10	-4	-1977.5	-4286.1	140.7	-64.7	-48.2
23RD	86.03	-103.7	-230.1	109	290	-954.7	-793.1	10	-4	-1874.5	-4055.2	125.5	-57.6	-45.5
24TH	89.69	-104.7	-229.6	109	290	-964.4	-791.6	10	-4	-1770.9	-3825.1	111.1	-50.9	-42.9

TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER TWO : BASED ON AEROELASTIC DATA
WIND DIRECTION 290 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN) X	FORCE (KN) Y	AREA (SQ M) X	AREA (SQ M) Y	PRESSURE (PA) X	PRESSURE (PA) Y	ECCEN (M) X	ECCEN (M) Y	SHEAR (KN) X	SHEAR (KN) Y	MOMENT (MN-M) X	MOMENT (MN-M) Y	MOMENT (MN-M) Z
25TH	93.35									-1666.1	-3595.4	97.5	-44.7	-40.2
		-106.5	-231.3	109	290	-981.0	-797.5	10	-4					
26TH	97.01									-1559.6	-3364.1	84.7	-38.7	-37.5
		-108.4	-233.1	109	290	-997.6	-803.3	10	-5					
27TH	100.68									-1451.2	-3131.0	72.8	-33.2	-34.7
		-110.2	-234.8	109	290	-1014.2	-809.2	10	-5					
28TH	104.34									-1341.1	-2896.3	61.8	-28.1	-31.9
		-112.0	-236.5	109	290	-1030.8	-815.1	10	-5					
29TH	108.00									-1229.1	-2659.8	51.6	-23.4	-29.1
		-113.8	-238.2	109	290	-1047.4	-820.9	10	-5					
30TH	111.66									-1115.3	-2421.7	42.3	-19.1	-26.2
		-115.6	-239.9	109	290	-1064.0	-826.9	10	-5					
31ST	115.32									-999.8	-2181.8	33.9	-15.3	-23.3
		-117.4	-245.7	109	290	-1080.9	-846.8	10	-5					
32ND	118.98									-882.4	-1936.1	26.4	-11.8	-20.4
		-119.2	-251.8	109	290	-1097.7	-868.0	9	-4					
33RD	122.64									-763.1	-1684.3	19.8	-8.8	-17.5
		-121.1	-258.0	109	290	-1114.6	-889.2	9	-4					
34TH	126.30									-642.1	-1426.4	14.1	-6.2	-14.7
		-122.9	-264.1	109	290	-1131.4	-910.4	9	-4					
35TH	129.96									-519.2	-1162.2	9.3	-4.1	-11.9
		-124.7	-270.3	109	290	-1148.2	-931.6	8	-4					
36TH	133.62									-394.5	-892.0	5.6	-2.4	-9.2
		-122.9	-271.0	109	290	-1131.9	-934.1	8	-4					
37TH	137.28									-271.6	-621.0	2.8	-1.2	-6.5
		-114.9	-258.5	109	290	-1058.2	-891.0	9	-4					
38TH	140.94									-156.6	-362.5	1.0	-.4	-3.8
		-156.6	-362.5	162	433	-966.3	-837.3	9	-4					
TOP	146.44									0.0	0.0	0.0	0.0	0.0

TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER TWO : BASED ON AEROELASTIC DATA

WIND DIRECTION 300 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN) X	FORCE (KN) Y	AREA (SQ M) X	AREA (SQ M) Y	PRESSURE (PA) X	PRESSURE (PA) Y	ECCEN (M) X	ECCEN (M) Y	SHEAR (KN) X	SHEAR (KN) Y	MOMENT (MN-M) X	MOMENT (MN-M) Y	MOMENT (MN-M) Z
GRND	0.00	-156.4	-457.7	163	436	-958.8	-1050.3	7	-2	-4629.7	-10111.8	710.0	-360.0	-115.7
1ST	5.50	-94.6	-287.4	109	290	-871.1	-990.8	7	-2	-4473.3	-9654.1	655.7	-335.0	-112.1
2ND	9.16	-88.9	-276.2	109	290	-818.2	-952.1	7	-2	-4378.7	-9366.7	620.9	-318.8	-109.9
3RD	12.82	-89.3	-274.9	109	290	-822.6	-947.7	7	-2	-4289.8	-9090.5	587.1	-302.9	-107.7
4TH	16.48	-92.9	-279.9	109	290	-855.0	-965.0	7	-2	-4200.5	-8815.6	554.3	-287.4	-105.6
5TH	20.14	-96.4	-285.0	109	290	-887.5	-982.3	7	-3	-4107.6	-8535.6	522.6	-272.1	-103.3
6TH	23.80	-99.1	-286.6	109	290	-912.0	-987.9	8	-3	-4011.2	-8250.7	491.9	-257.3	-100.9
7TH	27.46	-101.2	-283.1	109	290	-931.7	-975.9	8	-3	-3912.2	-7964.1	462.2	-242.8	-98.4
8TH	31.12	-103.3	-279.7	109	290	-951.4	-964.0	8	-3	-3811.0	-7681.0	433.5	-228.6	-96.0
9TH	34.78	-105.5	-276.2	109	290	-971.1	-952.0	8	-3	-3707.6	-7401.3	405.9	-214.9	-93.5
10TH	38.44	-107.6	-272.7	109	290	-990.8	-940.1	8	-3	-3602.2	-7125.1	379.3	-201.5	-90.9
11TH	42.11	-109.7	-269.3	109	290	-1010.5	-928.1	8	-3	-3494.6	-6852.4	353.8	-188.5	-88.3
12TH	45.77	-111.0	-264.8	109	290	-1022.3	-912.8	9	-4	-3384.8	-6583.2	329.2	-175.9	-85.7
13TH	49.43	-111.5	-259.9	109	290	-1026.6	-896.0	9	-4	-3273.8	-6318.4	305.6	-163.7	-83.0
14TH	53.09	-112.0	-255.1	109	290	-1031.0	-879.3	9	-4	-3162.3	-6058.4	282.9	-152.0	-80.3
15TH	56.75	-112.5	-250.2	109	290	-1035.4	-862.6	9	-4	-3050.3	-5803.3	261.2	-140.6	-77.6
16TH	60.41	-112.9	-245.4	109	290	-1039.7	-845.9	10	-4	-2937.8	-5553.1	240.4	-129.6	-74.7
17TH	64.07	-113.4	-240.5	109	290	-1044.1	829.1	10	-5	-2824.9	-5307.7	220.5	-119.1	-71.9
18TH	67.73	-114.3	-236.6	109	290	-1052.5	-815.5	10	-5	-2711.5	-5067.2	201.5	-108.9	-69.0
19TH	71.39	-115.9	-235.1	109	290	-1067.0	-810.6	10	-5	-2597.2	-4830.6	183.4	-99.2	-66.0
20TH	75.05	-117.5	-233.7	109	290	-1081.4	-805.6	10	-5	-2481.3	-4595.4	166.2	-89.9	-63.0
21ST	78.71	-119.0	-232.3	109	290	-1095.8	-800.7	10	-5	-2363.9	-4361.7	149.8	-81.1	-60.0
22ND	82.37	-120.6	-230.9	109	290	-1110.3	-795.8	11	-5	-2244.9	-4129.4	134.2	-72.6	-56.9
23RD	86.03	-122.2	-229.4	109	290	-1124.7	-790.8	11	-6	-2124.3	-3898.6	119.5	-64.6	-53.8
24TH	89.69	-123.5	-227.7	109	290	-1137.4	-785.1	11	-6	-2002.1	-3669.2	105.7	-57.1	-50.7

TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER TWO : BASED ON AEROELASTIC DATA
WIND DIRECTION 300 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN)		AREA (SQ M)		PRESSURE (PA)		ECCEN (M)		SHEAR (KN)		MOMENT (MN-M)		
		X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	Z
25TH	93.35									-1878.6	-3441.4	92.7	-50.0	-47.6
		-124.5	-227.9	109	290	-1146.0	-785.5	11	-6					
26TH	97.01									-1754.1	-3213.6	80.5	-43.3	-44.4
		-125.4	-228.0	109	290	-1154.6	-785.9	11	-6					
27TH	100.68									-1628.7	-2985.6	69.1	-37.1	-41.2
		-126.3	-228.1	109	290	-1163.2	-786.3	11	-6					
28TH	104.34									-1502.4	-2757.5	58.6	-31.4	-37.9
		-127.3	-228.2	109	290	-1171.8	-786.7	11	-6					
29TH	108.00									-1375.1	-2529.2	49.0	-26.1	-34.7
		-128.2	-228.3	109	290	-1180.4	-787.1	11	-6					
30TH	111.66									-1246.9	-2300.9	40.1	-21.3	-31.4
		-129.4	-228.8	109	290	-1191.2	-788.6	11	-6					
31ST	115.32									-1117.5	-2072.1	32.1	-17.0	-28.0
		-131.5	-234.3	109	290	-1210.9	-807.7	11	-6					
32ND	118.98									-986.0	-1837.8	25.0	-13.2	-24.7
		-133.7	-240.2	109	290	-1230.6	-828.1	11	-6					
33RD	122.64									-852.3	-1597.6	18.7	-9.8	-21.3
		-135.8	-246.1	109	290	-1250.3	-848.4	11	-6					
34TH	126.30									-716.5	-1351.5	13.3	-6.9	-17.9
		-137.9	-252.0	109	290	-1270.0	-868.8	10	-6					
35TH	129.96									-578.6	-1099.4	8.8	-4.6	-14.5
		-140.1	-257.9	109	290	-1289.7	-889.1	10	-6					
36TH	133.62									-438.5	-841.5	5.2	-2.7	-11.1
		-137.8	-257.7	109	290	-1269.0	-888.1	10	-5					
37TH	137.28									-300.7	-583.8	2.6	-1.3	-7.8
		-128.0	-244.3	109	290	-1178.4	-842.0	10	-5					
38TH	140.94									-172.7	-339.6	.9	-.5	-4.6
		-172.7	-339.6	162	433	-1065.4	-784.4	11	-5					
TOP	146.44									0.0	0.0	0.0	0.0	0.0

TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER TWO : BASED ON AEROELASTIC DATA
WIND DIRECTION 310 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN) X	FORCE (KN) Y	AREA (SQ M) X	AREA (SQ M) Y	PRESSURE (PA) X	PRESSURE (PA) Y	ECCEN (M) X	ECCEN (M) Y	SHEAR (KN) X	SHEAR (KN) Y	MOMENT (MN-M) X	MOMENT (MN-M) Y	MOMENT (MN-M) Z
GRND	0.00	-163.0	-548.5	163	436	-999.2	-1258.7	9	-3	-5278.0	-13576.3	958.1	-420.0	-173.2
1ST	5.50	-96.9	-359.1	109	290	-892.4	-1237.9	9	-2	-5115.0	-13027.8	884.9	-391.4	-168.0
2ND	9.16	-89.0	-356.2	109	290	-819.5	-1227.7	9	-2	-5018.0	-12668.7	837.9	-372.9	-164.6
3RD	12.82	-89.4	-360.8	109	290	-822.9	-1243.6	9	-2	-4929.0	-12312.6	792.2	-354.7	-161.1
4TH	16.48	-93.8	-364.8	109	290	-863.7	-1257.3	9	-2	-4839.6	-11951.8	747.7	-336.8	-157.5
5TH	20.14	-98.2	-368.7	109	290	-904.5	-1271.1	9	-2	-4745.8	-11587.1	704.7	-319.3	-154.0
6TH	23.80	-102.3	-370.9	109	290	-942.3	-1278.5	9	-3	-4647.6	-11218.3	662.9	-302.1	-150.4
7TH	27.46	-106.2	-370.2	109	290	-978.2	-1276.0	9	-3	-4545.3	-10847.4	622.5	-285.2	-146.7
8TH	31.12	-110.1	-369.5	109	290	-1014.1	-1273.5	9	-3	-4439.0	-10477.2	583.5	-268.8	-143.0
9TH	34.78	-114.0	-368.7	109	290	-1050.0	-1271.0	9	-3	-4328.9	-10107.8	545.8	-252.8	-139.3
10TH	38.44	-117.9	-368.0	109	290	-1086.0	-1268.5	9	-3	-4214.8	-9739.1	509.5	-237.1	-135.5
11TH	42.11	-121.8	-367.3	109	290	-1121.9	-1266.0	9	-3	-4096.9	-9371.0	474.5	-221.9	-131.7
12TH	45.77	-124.7	-365.1	109	290	-1147.9	-1258.4	10	-3	-3975.0	-9003.8	440.9	-207.1	-127.9
13TH	49.43	-126.5	-361.6	109	290	-1164.4	-1246.5	10	-3	-3850.4	-8638.7	408.6	-192.8	-123.9
14TH	53.09	-128.3	-358.2	109	290	-1180.9	-1234.6	10	-4	-3723.9	-8277.1	377.6	-178.9	-120.0
15TH	56.75	-130.0	-354.7	109	290	-1197.4	-1222.7	10	-4	-3595.7	-7918.9	348.0	-165.5	-115.9
16TH	60.41	-131.8	-351.3	109	290	-1213.9	-1210.8	10	-4	-3465.6	-7564.2	319.6	-152.6	-111.8
17TH	64.07	-133.6	-347.8	109	290	-1230.3	-1198.9	11	-4	-3333.8	-7213.0	292.6	-140.2	-107.6
18TH	67.73	-135.3	-344.1	109	290	-1246.1	-1186.0	11	-4	-3200.1	-6865.2	266.8	-128.2	-103.4
19TH	71.39	-136.9	-338.5	109	290	-1260.7	-1166.8	11	-4	-3064.8	-6521.1	242.3	-116.7	-99.1
20TH	75.05	-138.5	-332.9	109	290	-1275.4	-1147.6	11	-5	-2927.9	-6182.6	219.1	-105.8	-94.7
21ST	78.71	-140.1	-327.3	109	290	-1290.0	-1128.3	12	-5	-2789.4	-5849.7	197.1	-95.3	90.3
22ND	82.37	-141.7	-321.8	109	290	-1304.7	-1109.1	12	-5	-2649.2	-5522.4	176.2	-85.4	-85.8
23RD	86.03	-143.3	-316.2	109	290	-1319.3	-1089.9	12	-5	-2507.5	-5200.6	156.6	-75.9	-81.3
24TH	89.69	-145.0	-310.9	109	290	-1335.2	-1071.7	12	-6	-2364.3	-4884.4	138.2	-67.0	-76.7

TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER TWO : BASED ON AEROELASTIC DATA
WIND DIRECTION 310 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN)		AREA (SQ M)		PRESSURE (PA)		ECCEN (M)		SHEAR (KN)		MOMENT (MN-M)		
		X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	Z
25TH	93.35									-2219.2	-4573.6	120.8	-58.6	-72.1
		-147.1	-312.0	109	290	-1353.9	-1075.3	12	-6					
26TH	97.01									-2072.2	-4261.6	104.7	-50.8	-67.4
		-149.1	-313.0	109	290	-1372.7	-1079.0	12	-6					
27TH	100.68									-1923.1	-3948.6	89.6	-43.4	-62.6
		-151.1	-314.1	109	290	-1391.4	-1082.6	13	-6					
28TH	104.34									-1772.0	-3634.5	75.8	-36.7	-57.7
		-153.2	-315.1	109	290	-1410.2	-1086.3	13	-6					
29TH	108.00									-1618.8	-3319.4	63.0	-30.5	-52.8
		-155.2	-316.2	109	290	-1428.9	-1090.0	13	-6					
30TH	111.66									-1463.6	-3003.2	51.5	-24.8	-47.8
		-157.0	-316.9	109	290	-1445.7	-1092.5	13	-6					
31ST	115.32									-1306.6	-2686.2	41.1	-19.8	-42.7
		-157.9	-319.2	109	290	-1454.2	-1100.2	13	-6					
32ND	118.98									-1148.7	-2367.1	31.8	-15.3	-37.6
		-158.9	-321.7	109	290	-1462.7	-1108.8	13	-6					
33RD	122.64									-989.8	-2045.4	23.7	-11.4	-32.5
		-159.8	-324.2	109	290	-1471.2	-1117.4	13	-6					
34TH	126.30									-830.0	-1721.2	16.8	-8.0	-27.3
		-160.7	-326.7	109	290	-1479.7	-1126.1	13	-6					
35TH	129.96									-669.3	-1394.6	11.1	-5.3	-22.2
		-161.6	-329.2	109	290	-1488.2	-1134.7	13	-6					
36TH	133.62									-507.7	-1065.4	6.6	-3.1	-17.0
		-158.4	-325.7	109	290	-1458.3	-1122.7	13	-6					
37TH	137.28									-349.3	-739.7	3.3	-1.6	-11.8
		-147.9	-309.1	109	290	-1362.1	-1065.6	13	-6					
38TH	140.94									-201.3	-430.5	1.2	-.6	-6.9
		-201.3	-430.5	162	433	-1242.2	-994.5	13	-6					
TOP	146.44									0.0	0.0	0.0	0.0	0.0

TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER TWO : BASED ON AEROELASTIC DATA
WIND DIRECTION 320 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN) X	FORCE (KN) Y	AREA (SQ M) X	AREA (SQ M) Y	PRESSURE (PA) X	PRESSURE (PA) Y	ECCEN (M) X	ECCEN (M) Y	SHEAR (KN) X	SHEAR (KN) Y	MOMENT (MN-M) X	MOMENT (MN-M) Y	MOMENT (MN-M) Z
GRND	0.00									-2816.2	[illegible]	[illegible]	-225.5	-115.0
		-89.7	-572.8	163	436	-549.7	-1314.5	5	-1					
1ST	5.50									-2726.5	[illegible]	[illegible]	-210.2	-112.2
		-54.9	-374.6	109	290	-505.8	-1291.4	5	-1					
2ND	9.16									-2671.5	[illegible]	[illegible]	-200.3	-110.4
		-51.8	-371.4	109	290	-477.1	-1280.2	5	-1					
3RD	12.82									-2619.7	[illegible]	[illegible]	-190.7	-108.5
		-52.0	-374.4	109	290	-479.2	-1290.6	5	-1					
4TH	16.48									-2567.7	[illegible]	[illegible]	-181.2	-106.6
		-53.9	-376.4	109	290	-496.3	-1297.5	5	-1					
5TH	20.14									-2513.8	[illegible]	[illegible]	-171.9	-104.6
		55.8	-378.4	109	290	-513.5	-1304.4	5	-1					
6TH	23.80									-2458.0	[illegible]	[illegible]	-162.8	-102.5
		-57.2	-378.2	109	290	-526.3	-1303.7	5	-1					
7TH	27.46									-2400.8	[illegible]	[illegible]	-153.9	-100.4
		-58.3	-375.7	109	290	-536.5	-1295.1	6	-1					
8TH	31.12									-2342.6	[illegible]	[illegible]	-145.2	-98.3
		-59.4	-373.2	109	290	-546.6	-1286.6	6	-1					
9TH	34.78									2283.2	[illegible]	[illegible]	·136.7	-96.0
		-60.5	-370.8	109	290	-556.8	-1278.0	6	-1					
10TH	38.44									-2222.7	[illegible]	[illegible]	-128.5	-93.8
		-61.6	-368.3	109	290	-567.0	-1269.4	6	-1					
11TH	42.11									-2161.2	[illegible]	[illegible]	-120.4	-91.4
		-62.7	-365.8	109	290	-577.2	-1260.9	6	-1					
12TH	45.77									-2098.5	[illegible]	[illegible]	-112.6	-89.0
		-63.7	-362.8	109	290	-586.3	-1250.5	7	-1					
13TH	49.43									-2034.8	[illegible]	[illegible]	-105.1	-86.6
		-64.6	-359.0	109	290	-594.4	-1237.6	7	-1					
14TH	53.09									-1970.2	[illegible]	[illegible]	-97.8	-84.0
		-65.4	-355.3	109	290	-602.4	-1224.6	7	-1					
15TH	56.75									-1904.8	[illegible]	[illegible]	-90.7	-81.4
		-66.3	-351.5	109	290	-610.5	-1211.6	7	-1					
16TH	60 41									-1838.5	[illegible]	[illegible]	-83.8	-78.8
		-67.2	-347.7	109	290	-618.6	-1198.6	8	1					
17TH	64.07									-1771.3	[illegible]	[illegible]	-77.2	-76.1
		-68.1	-344.0	109	290	-626.7	-1185.6	8	-2					
18TH	67.73									-1703.2	[illegible]	[illegible]	-70.8	-73.3
		-68.7	-339.4	109	290	-632.6	-1169.8	8	-2					
19TH	71.39									-1634.5	[illegible]	[illegible]	-64.7	-70.4
		-69.0	-333.0	109	290	-635.2	-1148.0	8	-2					
20TH	75.05									-1565.6	[illegible]	[illegible]	-58.9	-67.6
		-69.3	-326.7	109	290	-637.8	-1126.1	9	-2					
21ST	78.71									-1496.3	[illegible]	[illegible]	-53.3	-64.6
		-69.6	-320.4	109	290	-640.5	-1104.3	9	-2					
22ND	82.37									-1426.7	[illegible]	[illegible]	-47.9	-61.7
		-69.8	-314.0	109	290	-643.1	-1082.5	9	-2					
23RD	86.03									-1356.9	[illegible]	[illegible]	-42.8	-58.7
		-70.1	-307.7	109	290	-645.8	-1060.7	9	-2					
24TH	89.69									-1286.7	[illegible]	[illegible]	-38.0	-55.6
		-70.9	-302.7	109	290	-652.6	-1043.6	10	-2					

TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER TWO : BASED ON AEROELASTIC DATA
WIND DIRECTION 320 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN) X	FORCE (KN) Y	AREA (SQ M) X	AREA (SQ M) Y	PRESSURE (PA) X	PRESSURE (PA) Y	ECCEN (M) X	ECCEN (M) Y	SHEAR (KN) X	SHEAR (KN) Y	MOMENT (MN-M) X	MOMENT (MN-M) Y	MOMENT (MN-M) Z
25TH	93.35									-1215.8	-4454.5	118.9	-33.4	-52.5
		-72.7	-302.3	109	290	-669.5	-1042.0	10	-2					
26TH	97.01									-1143.1	-4152.3	103.1	-29.1	-49.3
		-74.5	-301.8	109	290	-686.3	-1040.4	10	-3					
27TH	100.68									-1068.6	-3850.4	88.5	-25.0	-46.1
		-76.4	-301.4	109	290	-703.1	-1038.8	10	-3					
28TH	104.34									-992.2	-3549.1	74.9	-21.3	-42.7
		-78.2	-300.9	109	290	-719.9	-1037.2	11	-3					
29TH	108.00									-914.0	-3248.2	62.5	-17.8	-39.3
		-80.0	-300.4	109	290	-736.7	-1035.6	11	-3					
30TH	111.66									-834.0	-2947.7	51.2	-14.6	-35.8
		-82.0	-300.4	109	290	-754.6	-1035.3	11	-3					
31ST	115.32									-752.1	-2647.4	40.9	-11.7	-32.3
		-84.4	-305.2	109	290	-776.8	-1051.9	11	-3					
32ND	118.98									-667.7	-2342.2	31.8	-9.1	-28.6
		-86.8	-310.3	109	290	-798.9	-1069.5	11	-3					
33RD	122.64									-580.9	-2032.0	23.8	-6.8	-24.9
		-89.2	-315.4	109	290	-821.1	-1087.2	11	-3					
34TH	126.30									-491.8	-1716.6	16.9	-4.8	-21.0
		-91.6	-320.5	109	290	-843.3	-1104.8	11	-3					
35TH	129.96									-400.2	-1396.1	11.2	-3.2	-17.2
		-94.0	-325.6	109	290	-865.5	-1122.4	11	-3					
36TH	133.62									-306.2	-1070.3	6.7	-1.9	-13.2
		-93.7	-323.0	109	290	-863.1	-1113.5	11	-3					
37TH	137.28									-212.4	-747.4	3.4	-1.0	-9.2
		-88.9	-309.8	109	290	-818.2	-1067.8	11	-3					
38TH	140.94									-123.6	-437.6	1.2	-.3	-5.4
		-123.6	-437.6	162	433	-762.3	-1010.9	11	-3					
TOP	146.44									0.0	0.0	0.0	0.0	0.0

TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER TWO : BASED ON AEROELASTIC DATA
WIND DIRECTION 330 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN) X	FORCE (KN) Y	AREA (SQ M) X	AREA (SQ M) Y	PRESSURE (PA) X	PRESSURE (PA) Y	ECCEN (M) X	ECCEN (M) Y	SHEAR (KN) X	SHEAR (KN) Y	MOMENT (MN-M) X	MOMENT (MN-M) Y	MOMENT (MN-M) Z
GRND	0.00	-70.7	-307.1	163	436	-433.5	-704.8	-0	0	-2061.4	822.1	-239.3	-163.6	-33.4
1ST	5.50	-44.9	-190.0	109	290	-413.1	-655.0	-1	0	-1990.7	1129.2	-233.9	-152.4	-33.5
2ND	9.16	-43.8	-181.8	109	290	-403.1	-626.7	-1	0	-1945.8	1319.2	-229.4	-145.2	-33.7
3RD	12.82	-43.9	-175.0	109	290	-404.4	-603.3	-1	0	-1902.1	1501.4	-224.2	-138.2	-33.9
4TH	16.48	-44.6	-164.4	109	290	-411.1	-566.7	-1	0	-1858.1	1676.4	-218.4	-131.3	-34.1
5TH	20.14	-45.4	-153.8	109	290	-417.8	-530.0	-1	0	-1813.5	1846.4	-212.0	-124.6	-34.3
6TH	23.80	-45.5	-138.2	109	290	-419.2	-476.4	-1	0	-1768.1	1994.2	-205.0	-118.0	-34.5
7TH	27.46	-45.3	-117.8	109	290	-417.2	-406.0	-1	0	-1722.6	2132.4	-197.4	-111.6	-34.7
8TH	31.12	-45.1	-97.3	109	290	-415.2	-335.6	-1	0	-1677.3	2250.2	-189.4	-105.4	-34.8
9TH	34.78	-44.9	-76.9	109	290	-413.3	-265.2	-0	0	-1632.2	2347.5	-181.0	-99.4	-34.9
10TH	38.44	-44.7	-56.5	109	290	-411.3	-194.7	0	-0	-1587.3	2424.4	-172.3	-93.5	-35.0
11TH	42.11	-44.5	-36.1	109	290	-409.4	-124.3	1	-1	-1542.6	2480.9	-163.3	-87.7	-34.9
12TH	45.77	-44.5	-17.5	109	290	-409.3	-60.4	1	-2	-1498.2	2517.0	-154.1	-82.2	-34.9
13TH	49.43	-44.6	-2.9	109	290	-411.0	-10.1	0	-4	-1453.7	2534.5	-144.9	-76.8	-34.7
14TH	53.09	-44.8	11.6	109	290	-412.7	40.2	-1	-4	-1409.1	2537.5	-135.6	-71.5	-34.6
15TH	56.75	-45.0	26.2	109	290	-414.4	90.4	-2	-4	-1364.2	2525.8	-126.3	-66.5	-34.4
16TH	60.41	-45.2	40.8	109	290	-416.1	140.7	-3	-3	-1319.2	2499.6	-117.1	-61.5	-34.1
17TH	64.07	-45.4	55.4	109	290	-417.8	190.9	-3	-3	-1274.0	2458.8	-108.1	-56.8	-33.9
18TH	67.73	-45.8	68.6	109	290	-421.6	236.3	-4	-3	-1228.7	2403.4	-99.2	-52.2	-33.5
19TH	71.39	-46.5	77.8	109	290	-428.5	268.3	-5	-3	-1182.9	2334.8	-90.5	-47.8	-33.2
20TH	75.05	-47.3	87.1	109	290	-435.4	300.3	-5	-3	-1136.3	2257.4	-82.1	-43.6	-32.7
21ST	78.71	-48.0	96.4	109	290	-442.2	332.3	-6	-3	-1089.1	2169.8	-74.0	-39.5	-32.1
22ND	82.37	-48.8	105.7	109	290	-449.1	364.3	-6	-3	-1041.0	2073.4	-66.2	-35.6	-31.4
23RD	86.03	-49.5	115.0	109	290	-456.0	396.3	-7	-3	-992.2	1967.7	-58.8	-31.9	-30.6
24TH	89.69	-50.4	123.4	109	290	-464.3	425.3	-7	-3	-942.7	1852.8	-51.8	-28.3	-29.6

TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER TWO : BASED ON AEROELASTIC DATA
WIND DIRECTION 330 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN) X	FORCE (KN) Y	AREA (SQ M) X	AREA (SQ M) Y	PRESSURE (PA) X	PRESSURE (PA) Y	ECCEN (M) X	ECCEN (M) Y	SHEAR (KN) X	SHEAR (KN) Y	MOMENT (MN-M) X	MOMENT (MN-M) Y	MOMENT (MN-M) Z
25TH	93.35									-892.3	1729.4	-45.3	-25.0	-28.6
		-51.7	124.8	109	290	-475.8	430.2	-8	-3					
26TH	97.01									-840.6	1604.6	-39.2	-21.8	-27.4
		-52.9	126.2	109	290	-487.3	435.0	-9	-4					
27TH	100.68									-787.7	1478.4	-33.5	-18.8	-26.1
		-54.2	127.6	109	290	-498.9	439.8	-10	-4					
28TH	104.34									-733.5	1350.8	-28.3	-16.0	-24.7
		-55.4	129.0	109	290	-510.4	444.7	-10	-4					
29TH	108.00									-678.1	1221.8	-23.6	-13.4	-23.1
		-56.7	130.4	109	290	-521.9	449.5	-11	-5					
30TH	111.66									-621.4	1091.4	-19.4	-11.1	-21.4
		-58.2	130.8	109	290	-535.5	451.0	-12	-5					
31ST	115.32									-563.2	960.5	-15.6	-8.9	-19.6
		-60.5	122.3	109	290	-557.4	421.5	-13	-6					
32ND	118.98									-502.7	838.3	-12.3	-6.9	-17.6
		-62.9	113.3	109	290	-579.4	390.5	-14	-8					
33RD	122.64									-439.7	725.0	-9.5	-5.2	-15.6
		-65.3	104.3	109	290	-601.3	359.6	-15	-9					
34TH	126.30									-374.4	620.7	-7.0	-3.7	-13.5
		-67.7	95.3	109	290	-623.3	328.6	-16	-11					
35TH	129.96									-306.7	525.3	-4.9	-2.5	-11.3
		-70.1	86.3	109	290	-645.2	297.6	-16	-13					
36TH	133.62									-236.7	439.0	-3.2	-1.5	-8.9
		-70.7	87.0	109	290	-651.1	300.0	-16	-13					
37TH	137.28									-165.9	352.0	-1.7	-.8	-6.6
		-68.3	118.1	109	290	-629.3	407.0	-16	-9					
38TH	140.94									-97.6	233.9	-.6	-.3	-4.1
		-97.6	233.9	162	433	-602.1	540.2	-15	-6					
TOP	146.44									0.0	0.0	0.0	0.0	0.0

TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER TWO : BASED ON AEROELASTIC DATA
WIND DIRECTION 340 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN) X	FORCE (KN) Y	AREA (SQ M) X	AREA (SQ M) Y	PRESSURE (PA) X	PRESSURE (PA) Y	ECCEN (M) X	ECCEN (M) Y	SHEAR (KN) X	SHEAR (KN) Y	MOMENT (MN-M) X	MOMENT (MN-M) Y	
GRND	0.00									-2254.2	7470.7	-718.1	-170.5	[illegible]
		-87.7	-76.5	163	436	-537.8	-175.7	-45	52					
1ST	5.50									-2166.5	7547.3	-676.8	-158.4	[illegible]
		-56.1	-34.8	109	290	-516.9	-119.9	-50	80					
2ND	9.16									-2110.3	7582.0	-649.1	-150.5	[illegible]
		-54.3	-21.7	109	290	-499.5	-74.7	-45	112					
3RD	12.82									-2056.1	7603.7	-621.3	-142.9	[illegible]
		-53.9	-9.2	109	290	-495.8	-31.7	-23	135					
4TH	16.48									-2002.2	7612.9	-593.5	-135.5	[illegible]
		-54.2	5.6	109	290	-498.8	19.3	15	145					
5TH	20.14									-1948.1	7607.3	-565.6	-128.3	[illegible]
		-54.5	20.4	109	290	-501.8	70.4	51	135					
6TH	23.80									-1893.6	7586.9	-537.8	-121.2	[illegible]
		-54.2	37.9	109	290	-498.6	130.8	74	105					
7TH	27.46									-1839.4	7549.0	-510.1	-114.4	[illegible]
		-53.4	58.1	109	290	-491.7	200.2	78	71					
8TH	31.12									-1786.0	7490.9	-482.6	-107.8	[illegible]
		-52.6	78.2	109	290	-484.7	269.6	72	48					
9TH	34.78									-1733.4	7412.7	-455.3	-101.3	[illegible]
		-51.9	98.3	109	290	-477.8	339.0	64	34					
10TH	38.44									-1681.5	7314.3	-428.3	-95.1	[illegible]
		-51.1	118.5	109	290	-470.9	408.4	56	24					
11TH	42.11									-1630.3	7195.9	-401.8	-89.0	[illegible]
		-50.4	138.6	109	290	-463.9	477.7	49	18					
12TH	45.77									-1579.9	7057.3	-375.7	-83.1	[illegible]
		-50.2	156.9	109	290	-462.2	541.0	42	13					
13TH	49.43									-1529.7	6900.3	-350.1	-77.4	[illegible]
		-50.6	171.9	109	290	-465.4	592.7	35	10					
14TH	53.09									-1479.2	6728.4	-325.2	-71.9	[illegible]
		-50.9	186.9	109	290	-468.7	644.4	29	8					
15TH	56.75									-1428.3	6541.5	-300.9	-66.6	[illegible]
		-51.3	201.9	109	290	-471.9	696.0	23	6					
16TH	60.41									-1377.0	6339.5	-277.3	-61.5	[illegible]
		-51.6	216.9	109	290	-475.2	747.7	18	4					
17TH	64.07									-1325.4	6122.6	-254.5	-56.5	[illegible]
		-52.0	231.9	109	290	-478.4	799.4	14	3					
18TH	67.73									-1273.5	5890.7	-232.5	-51.8	[illegible]
		-52.5	245.7	109	290	-482.9	846.8	10	2					
19TH	71.39									-1221.0	5645.1	-211.4	-47.2	[illegible]
		-53.1	252.9	109	290	-489.3	871.6	7	2					
20TH	75.05									-1167.9	5392.2	-191.2	-42.8	[illegible]
		-53.8	260.1	109	290	-495.7	896.4	5	1					
21ST	78.71									-1114.0	5132.2	-172.0	-38.7	[illegible]
		-54.5	267.3	109	290	-502.1	921.3	2	0					
22ND	82.37									-1059.5	4864.9	-153.7	-34.7	[illegible]
		-55.2	274.5	109	290	-508.5	946.1	-0	-0					
23RD	86.03									-1004.3	4590.4	-136.4	-30.9	[illegible]
		-55.9	281.7	109	290	-514.9	970.9	-2	-0					
24TH	89.69									-948.3	4308.8	-120.1	-27.3	[illegible]
		-56.6	288.6	109	290	-521.5	994.9	-4	-1					

TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER TWO : BASED ON AEROELASTIC DATA
WIND DIRECTION 340 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN)		AREA (SQ M)		PRESSURE (PA)		ECCEN (M)		SHEAR (KN)		MOMENT (MN-M)		
		X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	Z
25TH	93.35									-891.7	4020.1	-104.8	-24.0	[illegible]
		-57.4	288.2	109	290	-528.5	993.4	-4	-1					
26TH	97.01									-834.3	3731.9	-90.6	-20.8	[illegible]
		-58.2	287.8	109	290	-535.6	991.9	-4	-1					
27TH	100.68									-776.1	3444.2	-77.5	-17.8	[illegible]
		-58.9	287.3	109	290	-542.6	990.4	-4	-1					
28TH	104.34									-717.2	3156.9	-65.4	-15.1	[illegible]
		-59.7	286.9	109	290	-549.6	988.9	-4	-1					
29TH	108.00									-657.5	2870.0	-54.4	-12.6	[illegible]
		-60.5	286.4	109	290	-556.7	987.4	-4	-1					
30TH	111.66									-597.0	2583.5	-44.4	-10.3	[illegible]
		-61.3	286.0	109	290	-564.2	985.8	-4	-1					
31ST	115.32									-535.8	2297.6	-35.5	-8.2	[illegible]
		-62.3	281.6	109	290	-573.5	970.8	-3	-1					
32ND	118.98									-473.5	2015.9	-27.6	-6.4	[illegible]
		-63.3	277.0	109	290	-582.9	954.7	-2	-1					
33RD	122.64									-410.2	1739.0	-20.7	-4.8	[illegible]
		-64.3	272.3	109	290	-592.3	938.6	-2	-0					
34TH	126.30									-345.8	1466.7	-14.8	-3.4	[illegible]
		-65.3	267.6	109	290	-601.6	922.5	-1	-0					
35TH	129.96									-280.5	1199.1	-10.0	-2.2	[illegible]
		-66.4	262.9	109	290	-611.0	906.4	0	0					
36TH	133.62									-214.1	936.1	-6.0	-1.3	[illegible]
		-65.7	261.7	109	290	-605.1	902.1	1	0					
37TH	137.28									-148.4	674.4	-3.1	-.7	[illegible]
		-62.2	266.8	109	290	-572.5	919.7	-11	-2					
38TH	140.94									-86.2	407.6	-1.1	-.2	[illegible]
		-86.2	407.6	162	433	-532.0	941.5	-25	-5					
TOP	146.44									0.0	0.0	0.0	0.0	[illegible]

TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER TWO : BASED ON AEROELASTIC DATA
WIND DIRECTION 350 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN) X	FORCE (KN) Y	AREA (SQ M) X	AREA (SQ M) Y	PRESSURE (PA) X	PRESSURE (PA) Y	ECCEN (M) X	ECCEN (M) Y	SHEAR (KN) X	SHEAR (KN) Y	MOMENT (MN-M) X	MOMENT (MN-M) Y	MOMENT (MN-M) Z
GRND	0.00									-2159.6	10323.1	-911.1	-159.8	133.2
		-92.4	47.9	163	436	-566.2	109.9	16	32					
1ST	5.50									-2067.2	10275.2	-854.5	-148.2	129.5
		-60.4	43.3	109	290	-556.2	149.3	21	29					
2ND	9.16									-2006.8	10231.9	-817.0	-140.7	126.8
		-58.7	53.6	109	290	-540.8	184.8	25	27					
3RD	12.82									-1948.0	10178.3	-779.6	-133.5	123.9
		-58.2	66.1	109	290	-535.6	227.7	27	24					
4TH	16.48									-1889.9	10112.2	-742.5	-126.5	120.7
		-58.2	83.5	109	290	-535.4	287.9	28	20					
5TH	20.14									-1831.7	10028.7	-705.6	-119.6	117.2
		-58.1	101.0	109	290	-535.2	348.0	29	16					
6TH	23.80									-1773.6	9927.7	-669.1	-113.0	113.4
		-57.1	120.4	109	290	-526.0	414.9	27	13					
7TH	27.46									-1716.5	9807.4	-632.9	-106.7	109.3
		-55.5	140.7	109	290	-511.4	485.0	25	10					
8TH	31.12									-1660.9	9666.7	-597.3	-100.5	105.3
		-54.0	161.1	109	290	-496.7	555.2	23	8					
9TH	34.78									-1607.0	9505.6	-562.2	-94.5	101.2
		-52.4	181.4	109	290	-482.1	625.3	21	6					
10TH	38.44									-1554.6	9324.2	-527.7	-88.7	97.1
		-50.8	201.8	109	290	-467.4	695.5	19	5					
11TH	42.11									-1503.8	9122.4	-494.0	-83.1	92.9
		-49.2	222.1	109	290	-452.8	765.7	18	4					
12TH	45.77									-1454.7	8900.3	-461.0	-77.7	88.7
		-48.3	240.4	109	290	-444.5	828.8	17	3					
13TH	49.43									-1406.4	8659.9	-428.9	-72.5	84.5
		-48.0	254.4	109	290	-442.1	876.8	15	3					
14TH	53.09									-1358.4	8405.5	-397.6	-67.4	80.5
		-47.8	268.3	109	290	-439.8	924.8	14	3					
15TH	56.75									-1310.6	8137.2	-367.3	-62.5	76.6
		-47.5	282.2	109	290	-437.5	972.8	13	2					
16TH	60.41									-1263.1	7855.0	-338.1	-57.8	72.8
		-47.3	296.1	109	290	-435.2	1020.8	12	2					
17TH	64.07									-1215.8	7558.8	-309.9	-53.3	69.1
		-47.0	310.1	109	290	-432.8	1068.8	11	2					
18TH	67.73									-1168.8	7248.8	-282.8	-48.9	65.6
		47.0	322.6	109	290	-432.3	1112.2	10	1					
19TH	71.39									-1121.9	6926.1	-256.8	-44.7	62.2
		-47.2	326.9	109	290	-434.3	1126.8	10	1					
20TH	75.05									-1074.7	6599.2	-232.1	-40.7	58.9
		-47.4	331.2	109	290	-436.3	1141.5	10	1					
21ST	78.71									-1027.3	6268.1	-208.5	-36.8	55.6
		-47.6	335.4	109	290	-438.3	1156.2	9	1					
22ND	82.37									-979.7	5932.6	-186.2	-33.2	52.4
		-47.8	339.7	109	290	-440.3	1170.9	9	1					
23RD	86.03									-931.9	5593.0	-165.1	-29.7	49.3
		-48.0	343.9	109	290	-442.3	1185.6	9	1					
24TH	89.69									-883.8	5249.0	-145.2	-26.3	46.3
		-48.5	347.8	109	290	-446.6	1198.8	8	1					

TABLE 7. SHEAR AND MOMENT DIAGRAMS : GATEWAY PROJECT TOWER TWO : BASED ON AEROELASTIC DATA
WIND DIRECTION 350 CONFIGURATION A REFERENCE PRESSURE 771 PA

FLOOR	HEIGHT (M)	FORCE (KN)		AREA (SQ M)		PRESSURE (PA)		ECCEN (M)		SHEAR (KN)		MOMENT (MN-M)		
		X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	Z
25TH	93.35									-835.3	4901.3	-126.7	-23.2	43.3
		-49.5	348.9	109	290	-456.2	1202.5	9	1					
26TH	97.01									-785.8	4552.4	-109.3	-20.2	40.3
		-50.6	349.9	109	290	-465.8	1206.3	9	1					
27TH	100.68									-735.2	4202.5	-93.3	-17.4	37.2
		-51.6	351.0	109	290	-475.4	1210.1	9	1					
28TH	104.34									-683.5	3851.4	-78.6	-14.8	34.1
		-52.7	352.1	109	290	-485.0	1213.8	9	1					
29TH	108.00									-630.9	3499.3	-65.1	-12.4	30.9
		-53.7	353.2	109	290	-494.6	1217.6	9	1					
30TH	111.66									-577.2	3146.0	-53.0	-10.2	27.8
		-54.9	354.1	109	290	-505.8	1220.5	9	1					
31ST	115.32									-522.2	2792.0	-42.1	-8.2	24.5
		-56.9	350.1	109	290	-523.9	1206.7	9	1					
32ND	118.98									-465.3	2441.9	-32.5	-6.4	21.2
		-58.9	345.7	109	290	-542.0	1191.8	10	2					
33RD	122.64									-406.4	2096.1	-24.2	-4.8	17.8
		-60.8	341.4	109	290	-560.1	1176.8	10	2					
34TH	126.30									-345.6	1754.7	-17.2	-3.4	14.4
		-62.8	337.1	109	290	-578.2	1161.9	10	2					
35TH	129.96									-282.8	1417.7	-11.4	-2.3	10.8
		-64.8	332.7	109	290	-596.4	1146.9	11	2					
36TH	133.62									-218.0	1085.0	-6.8	-1.4	7.1
		-65.2	329.1	109	290	-600.3	1134.3	11	2					
37TH	137.28									-152.8	755.9	-3.4	-.7	3.5
		-63.0	314.7	109	290	-579.8	1083.4	7	1					
38TH	140.94									-89.8	441.6	-1.2	-.2	1.2
		-89.8	441.6	162	433	-554.3	1020.0	3	1					
TOP	146.44									0.0	0.0	0.0	0.0	0.0

TABLE 7. GATEWAY PROJECT TOWER TWO : BASED ON AEROELASTIC DATA

PROJECT 7910 CONFIGURATION A

SCALE = 400 REF. PRESSURE = 771

STANDARD FLOOR HEIGHT = 3.66

NUMBER OF SIDES = 6 NO. OF FLOORS = 39

SIDE	ANGLE	Z-AXIS
1	45.0	3.875
2	90.0	3.025
3	225.0	8.875
4	270.0	3.025
5	315.0	4.369
6	135.0	-3.302

FLOOR #	LABEL	HEIGHT-M
1	GRND	5.50
2	1ST	3.66
3	2ND	3.66
4	3RD	3.66
5	4TH	3.66
6	5TH	3.66
7	6TH	3.66
8	7TH	3.66
9	8TH	3.66
10	9TH	3.66
11	10TH	3.66
12	11TH	3.66
13	12TH	3.66
14	13TH	3.66
15	14TH	3.66
16	15TH	3.66
17	16TH	3.66
18	17TH	3.66
19	18TH	3.66
20	19TH	3.66
21	20TH	3.66
22	21ST	3.66
23	22ND	3.66
24	23RD	3.66
25	24TH	3.66
26	25TH	3.66
27	26TH	3.66
28	27TH	3.66
29	28TH	3.66
30	29TH	3.66
31	30TH	3.66
32	31ST	3.66
33	32ND	3.66
34	33RD	3.66
35	34TH	3.66
36	35TH	3.66
37	36TH	3.66
38	37TH	3.66
39	38TH	5.50

TABLE 8

DYNAMIC PROPERTIES OF THE AEROELASTIC MODEL
AND PROTOTYPE TOWER

	Property	Symbol	Units	X	Y	Z
Prototype	Mass moment of inertia	J	lb-sec^2-ft	351.1E9	361.1E9	15.62E9
	Natural frequency	N	Hz	.165	.312	.321
	Stiffness	$K=J(2\pi N)^2$	lb-ft	377E9	1388E9	63.54E9
Model	Natural frequency	N	Hz	23.2	42.9	45.8
	Stiffness	K	lb-in.	7200	24000	1100
	Mass moment of inertia	$J=K(2\pi N)^{-2}$	lb-sec^2-in.	.339	.365	.0133
Scales*	Frequency	λ_N		140.6	137.5	142.7
	Mass moment of inertia	λ_J		.0805E-12	.0762E-12	.0709E-12
	Stiffness	λ_K		1.59E-9	1.44E-9	1.44E-9

* Dimensionless ratio of model value to prototype value

TABLE 9

DIMENSIONLESS SCALE FACTORS
FOR THE AEROELASTIC MODEL TESTS

	Property	Symbol	X	Y	Z	Mean
Selected	Length	λ_L		.0025		
	Air density	λ_P		.862		
	Aeroelastic moment of inertia	$\lambda_{JA} = \lambda_P \lambda_L^5$		.0842E-12		
	Damping	$\lambda_\zeta = 1$		1		
Deter-mined by model	Frequency	λ_N	140.6	137.5	142.7	140.3
	Actual moment of inertia	λ_J	.0805E-12	.0762E-12	.0709E-12	.0759E-12
Principal	Velocity	$\lambda_U = \lambda_N \lambda_L$	.3515	.3438	.3568	.3507
	Base moment	$\lambda_{MB} = \lambda_{JA} \lambda_N^2$	1.664E-9	1.592E-9	1.715E-9	1.657E-9
	Rotation	$\lambda_\theta = \lambda_{JA} \lambda_J^{-1}$	1.046	1.105	1.188	1.113
Supplemental	Time	$\lambda_T = \lambda_N^{-1}$	.0071	.00727	.00701	.00713
	Deflection	$\lambda_D = \lambda_L \lambda_\theta$	.00262	.00276	.00297	.00278
	Acceleration	$\lambda_A = \lambda_N^2 \lambda_D$	51.7	52.2	60.5	54.8

TABLE 10

VALUES OF MAIN PARAMETERS FOR
"EXACT" AND "ACTUAL" MODEL

Damping ratios $\zeta_x = 0.014$

$\zeta_y = 0.017$

$\zeta_z = 0.024$

Wind Direction	Wind Velocity* (m/s)	No. Events Per Year	RMS Accelerations (mg)			Total RMS Acceleration (mg)
			x	y	z	
50°						
	12.70	25.400	0.190	0.228	0.200	0.358
	19.33	0.990	0.209	0.702	0.534	0.907
	26.86	0.025	0.418	1.803	1.369	2.300
60°						
	12.99	22.000	0.171	0.247	0.234	0.380
	19.56	0.880	0.247	0.731	0.651	1.010
	26.88	0.024	0.551	1.936	1.603	2.570
100°						
	12.68	25.700	0.266	0.313	0.200	0.457
	19.32	0.990	0.304	0.674	0.584	0.942
	26.88	0.024	0.437	1.348	1.536	2.090
330°						
	12.67	25.800	0.522	0.294	0.200	0.632
	19.55	0.885	0.542	0.626	0.501	0.968
	27.51	0.179	0.608	1.604	1.553	2.310

* Hourly mean at gradient height

TABLE 10 (continu

VALUES OF MAIN PARAME
"EXACT" AND "ACTUAL"

Damping ratios $\zeta_x = 0.008$

$\zeta_y = 0.008$

$\zeta_z = 0.016$

Wind Direction	Wind Velocity* (m/s)	No. Events Per Year	RMS Accelerations (mg)			Total RMS Acceleration (mg)
			x	y	z	
50°						
	12.83	23.800	0.219	0.313	0.234	0.448
	19.36	0.970	0.475	0.940	0.735	1.358
	26.75	0.026	0.627	2.480	2.000	3.250
60°						
	12.90	23.000	0.332	0.332	0.367	0.597
	19.83	0.770	0.589	1.050	0.919	1.516
	26.79	0.025	0.760	2.370	2.200	3.330
100°						
	12.82	24.000	0.447	0.626	0.384	0.860
	19.25	1.030	0.599	1.450	0.885	1.803
	26.34	0.032	0.513	1.860	1.990	2.770
330°						
	12.63	26.300	0.589	0.902	0.334	1.128
	19.82	0.780	0.542	1.110	0.802	1.472
	26.29	0.033	0.675	1.990	1.800	2.770

* Hourly mean at gradient height

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 : GATEWAY PROJECT TOWERS

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
0	1101	.120	.132	.580	-.410
0	1102	.238	.136	.763	-.223
0	1103	.292	.134	.768	-.219
0	1104	.327	.140	.787	-.150
0	1105	.329	.141	.784	-.126
0	1106	.272	.139	.812	-.253
0	1107	.203	.142	.745	-.272
0	1108	.367	.139	.911	-.082
0	1109	.525	.158	1.008	.089
0	1110	.537	.161	1.057	.059
0	1111	.411	.143	.932	-.019
0	1112	.278	.132	.794	-.155
0	1113	.200	.132	.738	-.158
0	1114	.354	.140	.815	-.013
0	1115	.531	.158	1.054	.130
0	1116	.526	.152	1.070	.121
0	1117	.380	.129	.867	.030
0	1118	.239	.113	.658	-.078
0	1119	.126	.122	.647	-.315
0	1120	.286	.125	.824	-.083
0	1121	.456	.138	.984	.104
0	1122	.462	.144	.929	.087
0	1123	.314	.128	.779	-.005
0	1124	.200	.128	.705	-.109
0	1125	.113	.118	.654	-.275
0	1126	.241	.119	.768	-.077
0	1127	.384	.133	.938	-.018
0	1128	.390	.132	1.052	-.022
0	1129	.270	.128	.826	-.046
0	1130	.154	.111	.722	-.153
0	1131	.084	.105	.567	-.336
0	1132	.200	.106	.639	-.086
0	1133	.349	.124	.807	.003
0	1134	.353	.123	.834	.048
0	1135	.204	.119	.698	-.093
0	1136	.092	.099	.546	-.203
0	1137	.085	.102	.578	-.268
0	1138	.166	.097	.561	-.056
0	1139	.254	.106	.699	.005
0	1140	.241	.110	.655	-.087
0	1141	.117	.102	.523	-.178
0	1142	.001	.085	.372	-.253
0	1143	.104	.086	.473	-.158
0	1144	.224	.107	.669	-.026
0	1145	.217	.109	.672	-.019
0	1146	-.045	.084	.366	-.311
0	1147	.127	.087	.471	-.109
0	1148	.205	.095	.642	-.095
0	1149	.249	.099	.598	.018
0	1150	.280	.113	.695	-.001

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
0	1151	.345	.133	1.046	.052
0	1152	.360	.138	1.017	.058
0	1153	.323	.126	1.037	.010
0	1154	.176	.104	.725	-.092
0	1155	.024	.083	.400	-.256
0	1201	-.382	.062	-.172	-.646
0	1202	-.369	.065	-.084	-.610
0	1203	-.385	.068	-.092	-.685
0	1204	-.399	.076	-.097	-.734
0	1205	-.443	.099	-.078	-.986
0	1206	-.478	.122	-.074	-1.146
0	1207	-.474	.122	-.080	-1.274
0	1208	-.374	.068	-.163	-.621
0	1209	-.369	.063	-.152	-.623
0	1210	-.374	.061	-.169	-.601
0	1211	-.386	.063	-.186	-.595
0	1212	-.403	.068	-.184	-.665
0	1213	-.446	.087	-.109	-.833
0	1214	-.461	.090	-.198	-.837
0	1215	-.375	.059	-.195	-.557
0	1216	-.364	.058	-.184	-.584
0	1217	-.369	.057	-.173	-.596
0	1218	-.387	.057	-.173	-.626
0	1219	-.410	.059	-.206	-.631
0	1220	-.449	.072	-.228	-.715
0	1221	-.453	.074	-.232	-.748
0	1222	-.363	.058	-.122	-.779
0	1223	-.367	.058	-.112	-.860
0	1224	-.368	.057	-.179	-.614
0	1225	-.384	.058	-.189	-.634
0	1226	-.410	.063	-.231	-.658
0	1227	-.446	.078	-.240	-.939
0	1228	-.471	.083	-.222	-.790
0	1229	-.362	.061	-.154	-.616
0	1230	-.368	.062	-.151	-.621
0	1231	-.378	.060	-.187	-.603
0	1232	-.397	.058	-.199	-.635
0	1233	-.419	.063	-.227	-.714
0	1234	-.471	.087	-.238	-.796
0	1235	-.485	.089	-.235	-.921
0	1236	-.367	.065	-.154	-.682
0	1237	-.369	.064	-.149	-.619
0	1238	-.381	.064	-.178	-.669
0	1239	-.396	.065	-.198	-.639
0	1240	-.414	.066	-.227	-.677
0	1241	-.448	.082	-.225	-.941
0	1242	-.465	.089	-.227	-.932
0	1243	-.382	.066	-.198	-.639
0	1244	-.380	.063	-.173	-.678
0	1245	-.382	.063	-.183	-.638

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
0	1246	-.393	.063	-.187	-.665
0	1247	-.403	.064	-.203	-.732
0	1248	-.419	.074	-.233	-.955
0	1249	-.442	.086	-.230	-1.159
0	1250	-.385	.072	-.162	-.750
0	1251	-.393	.072	-.173	-.773
0	1252	-.408	.074	-.239	-.769
0	1253	-.412	.078	-.237	-.878
0	1254	-.369	.085	-.142	-.985
0	1255	-.370	.084	-.151	-1.016
0	1256	-.372	.066	-.182	-.762
0	1257	-.379	.061	-.201	-.665
0	1258	-.387	.057	-.222	-.601
0	1259	-.397	.062	-.235	-.648
0	1260	-.402	.075	-.213	-.823
0	1301	-.421	.098	-.120	-.841
0	1302	-.396	.089	-.120	-.752
0	1303	-.357	.084	-.089	-.735
0	1304	-.345	.081	-.022	-.684
0	1305	-.353	.082	-.054	-.658
0	1306	-.365	.093	-.046	-.756
0	1307	-.351	.087	-.014	-.671
0	1308	-.333	.081	-.074	-.727
0	1309	-.330	.079	-.070	-.690
0	1310	-.418	.074	-.179	-.719
0	1311	-.397	.069	-.164	-.718
0	1312	-.370	.069	-.121	-.764
0	1313	-.350	.067	-.147	-.659
0	1314	-.352	.068	-.122	-.572
0	1315	-.357	.069	-.135	-.589
0	1316	-.359	.071	-.142	-.594
0	1317	-.344	.071	-.109	-.666
0	1318	-.342	.073	-.104	-.652
0	1319	-.421	.063	-.194	-.658
0	1320	-.401	.059	-.201	-.626
0	1321	-.375	.061	-.160	-.574
0	1322	-.349	.060	-.039	-.589
0	1323	-.354	.058	-.161	-.578
0	1324	-.359	.055	-.176	-.589
0	1325	-.360	.057	-.193	-.601
0	1326	-.347	.059	-.110	-.607
0	1327	-.344	.059	-.156	-.628
0	1328	-.414	.064	-.142	-.694
0	1329	-.392	.061	-.124	-.638
0	1330	-.361	.058	-.126	-.564
0	1331	-.325	.057	-.107	-.538
0	1332	-.326	.055	-.117	-.523
0	1333	-.334	.053	-.134	-.518
0	1334	-.331	.055	-.153	-.582
0	1335	-.325	.056	-.123	-.545

APPENDIX A -- PRESSURE DATA ; CONFIGURATION A : GATEWAY PROJECT TOWERS

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
0	1336	-.322	.056	-.115	-.540
0	1337	-.403	.067	-.171	-.696
0	1338	-.384	.064	-.119	-.662
0	1339	-.350	.059	-.128	-.625
0	1340	-.323	.054	-.113	-.540
0	1341	-.327	.054	-.118	-.569
0	1342	-.333	.052	-.135	-.592
0	1343	-.327	.060	-.123	-.539
0	1344	-.315	.057	-.074	-.526
0	1345	-.314	.058	-.071	-.537
0	1346	-.401	.068	-.170	-.701
0	1347	-.386	.068	-.142	-.672
0	1348	-.371	.070	-.062	-.661
0	1349	-.351	.069	-.113	-.615
0	1350	-.350	.067	-.138	-.627
0	1351	-.352	.064	-.067	-.600
0	1352	-.354	.064	-.135	-.607
0	1353	-.342	.066	-.133	-.582
0	1354	-.338	.066	-.136	-.579
0	1355	-.404	.073	-.095	-.881
0	1356	-.405	.071	-.081	-.834
0	1357	-.389	.074	-.035	-.697
0	1358	-.381	.067	-.179	-.749
0	1359	-.366	.068	-.114	-.642
0	1360	-.380	.066	-.190	-.616
0	1361	-.376	.069	-.138	-.697
0	1362	-.368	.069	-.163	-.656
0	1363	-.382	.071	-.132	-.618
0	1364	-.416	.067	-.226	-.688
0	1365	-.391	.066	-.150	-.686
0	1366	-.394	.065	-.197	-.692
0	1367	-.388	.063	-.214	-.632
0	1368	-.391	.064	-.184	-.697
0	1369	-.398	.063	-.220	-.693
0	1370	-.393	.061	-.226	-.670
0	1371	-.377	.069	-.149	-.623
0	1372	-.369	.068	-.150	-.622
0	1373	-.366	.068	-.171	-.620
0	1374	-.373	.067	-.201	-.629
0	1375	-.361	.068	-.170	-.637
0	1376	-.360	.068	-.150	-.656
0	1377	-.356	.069	-.156	-.662
0	1401	-.222	.072	.109	-.493
0	1402	-.141	.070	.168	-.385
0	1403	-.139	.069	.134	-.408
0	1404	-.129	.073	.199	-.441
0	1405	-.107	.077	.208	-.379
0	1406	-.148	.110	.186	-.565
0	1407	-.256	.134	.255	-.733
0	1408	-.266	.055	-.052	-.501
0	1409	-.179	.051	.003	-.333
0	1410	-.070	.063	.273	-.311
0	1411	.005	.072	.251	-.220
0	1412	.045	.084	.377	-.250
0	1413	-.082	.154	.471	-.690
0	1414	-.187	.176	.482	-.857
0	1415	-.278	.047	-.118	-.466
0	1416	-.235	.042	-.097	-.435
0	1417	-.148	.040	.021	-.321
0	1418	-.065	.051	.155	-.253
0	1419	-.001	.070	.276	-.215
0	1420	-.188	.187	.450	-1.076
0	1421	-.258	.162	.403	-1.037
0	1422	-.288	.047	-.111	-.442
0	1423	-.236	.040	-.054	-.412
0	1424	-.160	.040	-.013	-.325
0	1425	-.095	.046	.087	-.233
0	1426	-.024	.063	.244	-.213
0	1427	-.228	.173	.316	-.918
0	1428	-.257	.150	.189	-.853
0	1429	-.283	.046	-.123	-.428
0	1430	-.237	.039	-.098	-.373
0	1431	-.161	.037	-.025	-.299
0	1432	-.090	.045	.103	-.247
0	1433	-.038	.060	.237	-.257
0	1434	-.218	.172	.326	-.955
0	1435	-.261	.155	.240	-.891
0	1436	-.279	.051	-.102	-.468
0	1437	-.239	.042	-.089	-.387
0	1438	-.149	.036	-.013	-.287
0	1439	-.084	.041	.168	-.253
0	1440	-.025	.058	.220	-.196
0	1441	-.178	.155	.293	-.849
0	1442	-.232	.141	.246	-.862
0	1443	-.306	.048	-.154	-.518
0	1444	-.229	.042	-.074	-.410
0	1445	-.128	.033	.030	-.263
0	1446	-.062	.039	.138	-.200
0	1447	-.024	.056	.280	-.198
0	1448	-.128	.133	.352	-.720
0	1449	-.177	.127	.312	-.694
0	1450	-.295	.051	-.145	-.502
0	1451	-.103	.034	.045	-.263
0	1452	.003	.051	.219	-.231
0	1453	-.136	.106	.272	-.489
0	1454	-.265	.047	-.117	-.469
0	1455	-.212	.037	-.083	-.384
0	1456	-.069	.038	.119	-.181
0	1457	.034	.053	.335	-.094
0	1458	.085	.067	.481	-.097
0	1459	.001	.111	.402	-.413
0	1460	-.068	.104	.307	-.541
0	1461	.290	.114	.707	.008
0	1901	-.464	.084	-.159	-.791
0	1902	-.446	.103	-.115	-.909
0	1903	-.452	.127	.015	-1.094
0	1904	-.460	.077	-.169	-.782
0	1905	-.470	.106	-.100	-1.066
0	1906	-.398	.120	.150	-1.178
0	1907	-.480	.084	-.236	-.876
0	1908	-.473	.090	-.138	-1.033
0	1909	-.452	.114	-.022	-.946
0	1910	.244	.094	.661	.012
0	1911	.257	.103	.776	.036
0	2101	-.743	.337	.299	-2.558
0	2102	-.573	.324	.197	-2.006
0	2103	-.127	.080	.090	-.840
0	2104	-.111	.051	.036	-.687
0	2105	-.190	.052	.042	-.447
0	2106	-.306	.079	-.052	-.655
0	2107	-.602	.235	.296	-1.911
0	2108	-.595	.244	.279	-1.547
0	2109	-.192	.208	.231	-1.089
0	2110	-.105	.071	.093	-.706
0	2111	-.251	.066	.039	-.531
0	2112	-.392	.102	.092	-.746
0	2113	-.512	.181	.293	-1.557
0	2114	-.506	.213	.345	-1.707
0	2115	-.329	.270	.200	-1.478
0	2116	-.191	.162	.101	-.965
0	2117	-.248	.089	.094	-.776
0	2118	-.336	.102	.006	-.709
0	2119	-.468	.182	.235	-1.423
0	2120	-.480	.211	.282	-1.706
0	2121	-.282	.249	.262	-1.473
0	2122	-.153	.143	.212	-.997
0	2123	-.230	.085	.087	-.745
0	2124	-.315	.093	-.014	-.685
0	2125	-.460	.194	.328	-1.727
0	2126	-.455	.215	.248	-1.365
0	2127	-.288	.255	.198	-1.531
0	2128	-.179	.164	.253	-1.204
0	2129	-.236	.095	.061	-.851
0	2130	-.295	.096	.025	-.915
0	2131	-.428	.210	.242	-1.427
0	2132	-.425	.245	.264	-1.631
0	2133	-.234	.219	.216	-1.286
0	2134	-.144	.129	.163	-1.096
0	2135	-.219	.081	.069	-.666
0	2136	-.277	.090	.056	-.617

APPENDIX A -- PRESSURE DATA : CONFIGURATION A : GATEWAY PROJECT TOWERS

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
0	2137	-.332	.200	.220	-1.480
0	2138	-.304	.219	.210	-1.554
0	2139	-.195	.209	.169	-1.346
0	2140	-.114	.115	.262	-.741
0	2141	-.174	.081	.239	-.572
0	2142	-.246	.105	.105	-.631
0	2143	-.222	.168	.299	-1.061
0	2144	-.148	.185	.266	-1.416
0	2145	-.052	.093	.309	-.680
0	2146	-.159	.092	.125	-.595
0	2147	-.023	.084	.312	-.569
0	2148	-.056	.067	.293	-.384
0	2149	-.114	.078	.260	-.498
0	2150	-.198	.184	.338	-1.145
0	2151	-.207	.207	.301	-1.503
0	2152	-.048	.125	.330	-.978
0	2153	-.023	.079	.272	-.664
0	2154	-.003	.056	.273	-.209
0	2155	.011	.063	.348	-.330
0	2201	-.490	.156	-.116	-1.489
0	2202	-.481	.156	-.045	-1.227
0	2203	-.475	.167	-.043	-1.147
0	2204	-.397	.120	-.016	-.822
0	2205	-.359	.100	-.030	-.680
0	2206	-.308	.080	-.040	-.602
0	2207	-.300	.082	-.001	-.614
0	2208	-.520	.171	-.112	-1.593
0	2209	-.467	.121	-.131	-1.028
0	2210	-.424	.129	-.077	-1.005
0	2211	-.328	.120	.003	-.843
0	2212	-.293	.110	.066	-.816
0	2213	-.282	.097	.051	-.659
0	2214	-.279	.096	.053	-.736
0	2215	-.447	.142	-.015	-1.384
0	2216	-.438	.137	-.048	-1.166
0	2217	-.405	.131	-.048	-.921
0	2218	-.336	.125	.092	-.814
0	2219	-.255	.106	.080	-.671
0	2220	-.206	.081	.032	-.567
0	2221	-.213	.081	.061	-.603
0	2222	-.418	.140	-.000	-1.073
0	2223	-.410	.141	.012	-1.054
0	2224	-.378	.141	-.020	-.949
0	2225	-.304	.128	.009	-.970
0	2226	-.232	.107	.090	-.769
0	2227	-.194	.085	.080	-.627
0	2228	-.209	.091	.069	-.715
0	2229	-.437	.152	-.034	-1.167
0	2230	-.430	.161	.004	-1.123
0	2231	-.378	.165	-.003	-1.358
0	2232	-.290	.130	.035	-.956
0	2233	-.201	.099	.080	-.662
0	2234	-.171	.080	.118	-.525
0	2235	-.178	.084	.155	-.512
0	2236	-.427	.161	-.071	-1.118
0	2237	-.418	.167	-.036	-1.186
0	2238	-.323	.165	.067	-1.076
0	2239	-.183	.101	.093	-.724
0	2240	-.128	.067	.069	-.414
0	2241	-.127	.066	.096	-.408
0	2242	-.140	.082	.144	-.534
0	2243	-.367	.159	.100	-1.127
0	2244	-.337	.166	.046	-1.193
0	2245	-.181	.092	.115	-.845
0	2246	-.116	.048	.077	-.387
0	2247	-.094	.041	.047	-.318
0	2248	-.090	.054	.099	-.295
0	2249	-.096	.066	.118	-.368
0	2250	-.291	.143	.043	-.939
0	2251	-.123	.076	.074	-.728
0	2252	-.070	.037	.051	-.208
0	2253	-.061	.050	.106	-.295
0	2254	-.012	.060	.213	-.311
0	2255	-.216	.157	.514	-1.069
0	2256	-.179	.150	.318	-1.134
0	2257	-.048	.067	.360	-.541
0	2258	-.019	.048	.218	-.177
0	2259	-.041	.032	.120	-.149
0	2260	-.043	.033	.092	-.203
0	2261	-.037	.035	.141	-.238
0	2301	-.283	.079	.005	-.772
0	2302	-.285	.085	.154	-.597
0	2303	-.324	.079	.096	-.654
0	2304	-.343	.082	-.001	-.736
0	2305	-.337	.072	-.123	-.672
0	2306	-.321	.070	-.109	-.814
0	2307	-.313	.065	-.064	-.615
0	2308	-.301	.066	-.126	-.729
0	2309	-.298	.066	-.128	-.769
0	2310	-.304	.119	.104	-.979
0	2311	-.289	.094	.023	-.750
0	2312	-.339	.090	.030	-.737
0	2313	-.324	.075	-.091	-.712
0	2314	-.354	.084	.030	-.719
0	2315	-.319	.072	-.021	-.635
0	2316	-.316	.072	-.034	-.654
0	2317	-.307	.061	-.136	-.849
0	2318	-.312	.064	-.149	-.801
0	2319	-.281	.139	.155	-1.424
0	2320	-.273	.108	.124	-.777
0	2321	-.299	.087	.070	-.781
0	2322	-.303	.086	-.033	-1.142
0	2323	-.290	.072	-.034	-.798
0	2324	-.280	.075	-.080	-.644
0	2325	-.300	.081	-.083	-.952
0	2326	-.279	.065	-.122	-.591
0	2327	-.273	.064	-.116	-.574
0	2328	-.256	.143	.204	-1.180
0	2329	-.241	.117	.157	-.813
0	2330	-.287	.103	.066	-1.003
0	2331	-.304	.102	.168	-1.161
0	2332	-.288	.077	.005	-.692
0	2333	-.269	.084	-.023	-.775
0	2334	-.297	.092	-.059	-1.335
0	2335	-.273	.071	-.068	-.732
0	2336	-.269	.069	-.074	-.709
0	2337	-.253	.154	.142	-1.116
0	2338	-.235	.122	.152	-1.013
0	2339	-.294	.102	.119	-.847
0	2340	-.308	.103	.081	-.985
0	2341	-.284	.083	-.047	-.814
0	2342	-.284	.095	-.004	-1.263
0	2343	-.305	.101	-.066	-.956
0	2344	-.288	.086	-.086	-.872
0	2345	-.293	.089	-.054	-.859
0	2346	-.188	.143	.182	-1.021
0	2347	-.201	.109	.148	-.688
0	2348	-.264	.118	.449	-.860
0	2349	-.314	.121	.293	-1.180
0	2350	-.294	.089	.010	-.849
0	2351	-.302	.099	-.001	-.929
0	2352	-.334	.109	.013	-1.008
0	2353	-.323	.106	-.124	-.972
0	2354	-.315	.101	-.113	-.999
0	2355	-.122	.107	.145	-.871
0	2356	-.129	.101	.138	-.706
0	2357	-.209	.141	.248	-.786
0	2358	-.246	.154	.304	-.847
0	2359	-.247	.107	.065	-.722
0	2360	-.270	.125	.079	-.797
0	2361	-.294	.127	.057	-1.090
0	2362	-.350	.116	-.110	-.979
0	2363	-.347	.117	-.110	-.945
0	2364	-.061	.064	.184	-.623
0	2365	-.145	.109	.241	-.591
0	2366	-.179	.138	.393	-.861
0	2367	-.264	.137	.047	-1.217
0	2368	-.355	.120	-.068	-1.083
0	2369	-.030	.049	.166	-.536
0	2370	-.034	.052	.206	-.304

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
0	2371	-.052	.104	.415	-.756
0	2372	-.036	.189	.948	-.835
0	2373	-.142	.103	.253	-.621
0	2374	-.198	.111	.076	-.817
0	2375	-.200	.114	.085	-1.038
0	2376	-.323	.137	.007	-1.051
0	2377	-.328	.142	-.016	-1.220
0	2401	-.154	.052	.085	-.395
0	2402	-.058	.059	.227	-.232
0	2403	-.005	.072	.260	-.217
0	2404	.006	.081	.292	-.265
0	2405	.050	.097	.355	-.257
0	2406	.252	.130	.674	-.182
0	2407	.395	.161	.930	-.203
0	2408	-.276	.055	-.089	-.519
0	2409	-.091	.053	.137	-.267
0	2410	.125	.080	.437	-.137
0	2411	.225	.097	.608	-.107
0	2412	.323	.121	.725	-.002
0	2413	.493	.159	1.014	.020
0	2414	.529	.175	1.031	.046
0	2415	-.152	.053	.032	-.406
0	2416	-.050	.053	.156	-.260
0	2417	.115	.072	.428	-.085
0	2418	.245	.092	.609	-.002
0	2419	.364	.118	.837	.043
0	2420	.498	.154	1.094	.043
0	2421	.490	.171	1.035	.058
0	2422	-.161	.053	.002	-.429
0	2423	-.078	.053	.127	-.261
0	2424	.098	.070	.352	-.099
0	2425	.235	.096	.600	-.057
0	2426	.342	.117	.805	.009
0	2427	.454	.145	.980	.073
0	2428	.452	.154	1.031	.046
0	2429	-.181	.061	-.005	-.476
0	2430	-.089	.056	.120	-.272
0	2431	.076	.069	.413	-.130
0	2432	.194	.088	.622	-.046
0	2433	.311	.112	.769	-.000
0	2434	.405	.140	.935	.045
0	2435	.395	.154	1.003	-.008
0	2436	-.189	.066	-.016	-.630
0	2437	-.103	.056	.168	-.364
0	2438	.060	.063	.427	-.113
0	2439	.156	.080	.529	-.042
0	2440	.240	.099	.693	.006
0	2441	.308	.130	.829	.026
0	2442	.317	.138	.854	-.078
	2443	-.216	.072	-.006	-.610

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
0	2444	-.106	.057	.108	-.382
0	2445	.055	.059	.302	-.129
0	2446	.127	.070	.454	-.049
0	2447	.179	.085	.604	-.038
0	2448	.212	.107	.751	-.068
0	2449	.201	.119	.789	-.126
0	2450	-.189	.066	-.021	-.517
0	2451	.053	.052	.288	-.116
0	2452	.165	.081	.536	-.163
0	2453	.160	.090	.584	-.183
0	2454	.110	.086	.495	-.168
0	2455	-.189	.069	-.009	-.612
0	2456	-.083	.046	.105	-.292
0	2457	.079	.058	.335	-.079
0	2458	.175	.089	.561	-.051
0	2459	.207	.102	.733	-.011
0	2460	.166	.097	.586	-.102
0	2461	.094	.077	.462	-.174
0	2901	-.750	.165	-.187	-1.314
0	2902	-.502	.117	-.144	-1.016
0	2903	-.228	.108	.083	-.646
0	2904	-.232	.183	.338	-.966
0	2905	-.411	.141	.052	-.921
0	2906	-.060	.143	.389	-.801
0	2907	.072	.148	.511	-.549
0	2908	-.217	.119	.149	-.773
0	2909	-.177	.141	.230	-.707
0	2910	-.029	.066	.212	-.435
0	2911	.006	.067	.428	-.709
10	1101	.246	.148	.792	-.279
10	1102	.310	.146	.795	-.201
10	1103	.298	.140	.757	-.194
10	1104	.296	.143	.753	-.196
10	1105	.249	.135	.702	-.147
10	1106	.184	.119	.710	-.215
10	1107	.336	.155	.873	-.218
10	1108	.449	.155	.997	-.067
10	1109	.536	.167	1.150	.065
10	1110	.509	.162	1.086	.042
10	1111	.328	.136	.803	-.045
10	1112	.187	.106	.616	-.177
10	1113	.270	.136	.742	-.133
10	1114	.391	.144	.954	-.009
10	1115	.518	.155	1.077	.132
10	1116	.506	.151	1.033	.101
10	1117	.313	.123	.828	-.008
10	1118	.164	.105	.632	-.127
10	1119	.220	.131	.807	-.179
10	1120	.360	.148	.956	-.055
10	1121	.494	.157	1.002	.063

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
10	1122	.471	.153	.951	.084
10	1123	.284	.124	.692	-.009
10	1124	.136	.102	.521	-.125
10	1125	.186	.133	.781	-.176
10	1126	.302	.137	.874	-.052
10	1127	.417	.144	.965	.033
10	1128	.396	.136	.894	.030
10	1129	.212	.104	.642	-.118
10	1130	.094	.085	.431	-.174
10	1131	.128	.114	.658	-.217
10	1132	.226	.120	.802	-.101
10	1133	.328	.129	.929	-.048
10	1134	.314	.119	.859	.005
10	1135	.171	.106	.582	-.136
10	1136	.042	.087	.447	-.224
10	1137	.093	.103	.536	-.281
10	1138	.178	.109	.637	-.157
10	1139	.251	.108	.686	-.041
10	1140	.226	.106	.685	-.064
10	1141	.089	.090	.459	-.123
10	1142	-.010	.081	.380	-.261
10	1143	.117	.096	.533	-.133
10	1144	.224	.110	.677	-.051
10	1145	.208	.104	.628	-.033
10	1146	-.073	.072	.348	-.332
10	1147	.141	.097	.556	-.135
10	1148	.211	.101	.671	-.045
10	1149	.252	.102	.724	-.003
10	1150	.282	.117	.875	.022
10	1151	.322	.124	.903	.048
10	1152	.313	.128	.961	.043
10	1153	.292	.116	.863	.003
10	1154	.128	.091	.558	-.106
10	1155	.000	.074	.373	-.218
10	1201	-.364	.060	-.142	-.604
10	1202	-.363	.061	-.113	-.654
10	1203	-.381	.064	-.142	-.611
10	1204	-.394	.073	-.133	-.775
10	1205	-.421	.095	-.086	-.818
10	1206	-.439	.123	-.101	-1.190
10	1207	-.428	.116	-.117	-1.130
10	1208	-.351	.059	-.149	-.554
10	1209	-.354	.057	-.175	-.574
10	1210	-.360	.054	-.180	-.587
10	1211	-.370	.055	-.192	-.609
10	1212	-.382	.061	-.195	-.655
10	1213	-.414	.086	-.177	-.845
10	1214	-.437	.093	-.138	-.882
10	1215	-.348	.056	-.172	-.534
10	1216	-.360	.055	-.196	-.553

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
10	1217	-.362	.053	-.215	-.544
10	1218	-.378	.052	-.238	-.564
10	1219	-.392	.058	-.245	-.636
10	1220	-.412	.066	-.196	-.723
10	1221	-.419	.070	-.192	-.743
10	1222	-.344	.052	-.184	-.578
10	1223	-.347	.051	-.198	-.581
10	1224	-.362	.052	-.193	-.509
10	1225	-.371	.052	-.217	-.539
10	1226	-.386	.056	-.212	-.619
10	1227	-.409	.071	-.152	-.656
10	1228	-.414	.079	-.190	-.771
10	1229	-.337	.057	-.155	-.542
10	1230	-.343	.057	-.181	-.543
10	1231	-.356	.056	-.200	-.550
10	1232	-.367	.049	-.216	-.576
10	1233	-.375	.051	-.206	-.584
10	1234	-.404	.076	-.179	-.754
10	1235	-.421	.081	-.163	-.784
10	1236	-.352	.059	-.153	-.562
10	1237	-.352	.058	-.174	-.557
10	1238	-.363	.058	-.181	-.552
10	1239	-.380	.057	-.213	-.577
10	1240	-.388	.061	-.209	-.701
10	1241	-.409	.073	-.172	-.667
10	1242	-.423	.080	-.161	-.721
10	1243	-.364	.063	-.150	-.588
10	1244	-.357	.062	-.160	-.600
10	1245	-.371	.060	-.211	-.677
10	1246	-.380	.061	-.217	-.652
10	1247	-.393	.060	-.211	-.700
10	1248	-.401	.071	-.144	-.704
10	1249	-.393	.068	-.194	-.689
10	1250	-.346	.061	-.170	-.688
10	1251	-.357	.060	-.170	-.677
10	1252	-.397	.065	-.221	-.654
10	1253	-.406	.067	-.235	-.691
10	1254	-.360	.072	-.115	-.657
10	1255	-.364	.071	-.123	-.672
10	1256	-.372	.064	-.183	-.637
10	1257	-.380	.059	-.230	-.596
10	1258	-.386	.058	-.224	-.581
10	1259	-.397	.060	-.229	-.625
10	1260	-.390	.062	-.218	-.703
10	1301	-.389	.086	-.116	-.803
10	1302	-.367	.081	-.079	-.752
10	1303	-.352	.084	-.063	-.757
10	1304	-.348	.084	-.044	-.750
10	1305	-.353	.082	-.084	-.740
10	1306	-.353	.089	-.079	-.825

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
10	1307	-.347	.086	-.032	-.784
10	1308	-.326	.080	-.101	-.726
10	1309	-.328	.081	-.078	-.675
10	1310	-.383	.073	-.182	-.694
10	1311	-.365	.070	-.144	-.685
10	1312	-.352	.070	-.145	-.682
10	1313	-.346	.066	-.155	-.614
10	1314	-.343	.064	-.082	-.616
10	1315	-.343	.066	-.079	-.621
10	1316	-.349	.067	-.093	-.634
10	1317	-.337	.070	-.127	-.614
10	1318	-.337	.073	-.117	-.644
10	1319	-.388	.057	-.202	-.616
10	1320	-.376	.054	-.184	-.572
10	1321	-.354	.055	-.165	-.618
10	1322	-.350	.055	-.118	-.568
10	1323	-.342	.053	-.153	-.592
10	1324	-.347	.052	-.172	-.589
10	1325	-.348	.056	-.168	-.670
10	1326	-.343	.058	-.157	-.616
10	1327	-.333	.059	-.117	-.550
10	1328	-.374	.061	-.150	-.608
10	1329	-.355	.058	-.137	-.546
10	1330	-.341	.056	-.125	-.547
10	1331	-.321	.050	-.115	-.531
10	1332	-.320	.050	-.079	-.528
10	1333	-.323	.053	-.076	-.509
10	1334	-.327	.050	-.073	-.538
10	1335	-.319	.051	-.094	-.515
10	1336	-.319	.051	-.140	-.523
10	1337	-.361	.057	-.113	-.550
10	1338	-.352	.055	-.138	-.543
10	1339	-.327	.055	-.082	-.517
10	1340	-.317	.050	-.130	-.474
10	1341	-.309	.052	-.108	-.457
10	1342	-.318	.051	-.093	-.459
10	1343	-.326	.059	-.124	-.730
10	1344	-.315	.057	-.117	-.671
10	1345	-.313	.059	-.110	-.686
10	1346	-.373	.064	-.154	-.574
10	1347	-.370	.063	-.146	-.613
10	1348	-.352	.063	-.102	-.576
10	1349	-.344	.060	-.160	-.580
10	1350	-.341	.060	-.140	-.570
10	1351	-.337	.057	-.160	-.522
10	1352	-.338	.058	-.130	-.576
10	1353	-.331	.060	-.078	-.526
10	1354	-.329	.061	-.092	-.519
10	1355	-.387	.062	-.146	-.646
10	1356	-.381	.060	-.132	-.611

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
10	1357	-.373	.067	-.124	-.639
10	1358	-.370	.057	-.154	-.588
10	1359	-.368	.061	-.103	-.553
10	1360	-.375	.065	-.165	-.624
10	1361	-.373	.063	-.133	-.585
10	1362	-.367	.063	-.147	-.579
10	1363	-.360	.064	-.062	-.553
10	1364	-.387	.061	-.179	-.619
10	1365	-.388	.059	-.196	-.622
10	1366	-.365	.059	-.156	-.551
10	1367	-.366	.058	-.160	-.567
10	1368	-.357	.058	-.169	-.567
10	1369	-.372	.057	-.189	-.587
10	1370	-.369	.057	-.189	-.577
10	1371	-.375	.058	-.199	-.599
10	1372	-.359	.058	-.179	-.589
10	1373	-.360	.059	-.153	-.585
10	1374	-.368	.059	-.182	-.584
10	1375	-.348	.058	-.179	-.558
10	1376	-.341	.059	-.149	-.557
10	1377	-.338	.061	-.130	-.557
10	1401	-.148	.096	.295	-.589
10	1402	-.049	.102	.454	-.381
10	1403	-.038	.107	.389	-.516
10	1404	-.033	.096	.298	-.357
10	1405	-.011	.097	.393	-.347
10	1406	.011	.119	.426	-.429
10	1407	-.052	.140	.451	-.533
10	1408	-.237	.059	.078	-.539
10	1409	-.139	.060	.192	-.405
10	1410	-.014	.076	.278	-.374
10	1411	.081	.087	.389	-.256
10	1412	.128	.099	.489	-.189
10	1413	.103	.138	.672	-.445
10	1414	.039	.164	.708	-.564
10	1415	-.262	.051	-.055	-.519
10	1416	-.216	.052	-.007	-.457
10	1417	-.107	.056	.203	-.370
10	1418	-.020	.066	.351	-.288
10	1419	.058	.080	.478	-.210
10	1420	-.020	.154	.508	-.675
10	1421	-.102	.140	.494	-.763
10	1422	-.270	.057	-.022	-.500
10	1423	-.212	.054	.079	-.505
10	1424	-.129	.063	.141	-.450
10	1425	-.056	.068	.216	-.380
10	1426	.017	.079	.292	-.406
10	1427	-.077	.151	.384	-1.115
10	1428	-.142	.129	.434	-.601
10	1429	-.260	.048	.024	-.522

APPENDIX A -- PRESSURE DATA ;   CONFIGURATION A : GATEWAY PROJECT TOWERS

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
10	1430	-.211	.046	.062	-.467
10	1431	-.130	.052	.278	-.415
10	1432	-.073	.066	.220	-.407
10	1433	-.008	.077	.312	-.380
10	1434	-.098	.143	.378	-.765
10	1435	-.154	.131	.280	-.916
10	1436	-.279	.049	-.088	-.464
10	1437	-.220	.042	-.013	-.413
10	1438	-.126	.043	.046	-.331
10	1439	-.064	.051	.139	-.357
10	1440	-.010	.067	.247	-.318
10	1441	-.095	.129	.382	-.636
10	1442	-.157	.120	.419	-.747
10	1443	-.285	.047	-.078	-.477
10	1444	-.217	.039	-.077	-.397
10	1445	-.111	.036	.047	-.303
10	1446	-.045	.045	.128	-.260
10	1447	-.010	.065	.288	-.225
10	1448	-.079	.128	.354	-.606
10	1449	-.133	.125	.337	-.602
10	1450	-.266	.045	-.119	-.470
10	1451	-.083	.034	.069	-.237
10	1452	.018	.061	.232	-.256
10	1453	-.101	.105	.275	-.538
10	1454	-.243	.038	-.119	-.392
10	1455	-.190	.034	-.026	-.326
10	1456	-.048	.044	.208	-.199
10	1457	.044	.064	.348	-.130
10	1458	.093	.078	.447	-.151
10	1459	.036	.112	.487	-.432
10	1460	-.029	.108	.395	-.460
10	1461	.293	.121	.765	-.012
10	1901	-.464	.085	-.184	-.781
10	1902	-.448	.103	-.092	-.888
10	1903	-.468	.133	-.004	-1.070
10	1904	-.453	.079	-.218	-.761
10	1905	-.471	.101	-.179	-.961
10	1906	-.428	.117	-.052	-1.072
10	1907	-.484	.086	-.235	-.906
10	1908	-.473	.092	-.194	-.929
10	1909	-.411	.106	.096	-.844
10	1910	.237	.097	.647	.015
10	1911	.255	.107	.757	-.004
10	2101	-.618	.205	-.102	-1.626
10	2102	-.602	.211	-.024	-1.625
10	2103	-.461	.206	.070	-1.232
10	2104	-.306	.172	.248	-1.038
10	2105	-.263	.128	.121	-.943
10	2106	-.307	.124	.165	-1.023
10	2107	-.621	.209	-.065	-1.521

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
10	2108	-.604	.204	.020	-1.430
10	2109	-.555	.212	.022	-1.375
10	2110	-.366	.197	.158	-1.510
10	2111	-.279	.138	.261	-1.169
10	2112	-.318	.129	.120	-1.092
10	2113	-.491	.152	.027	-1.211
10	2114	-.499	.155	.012	-1.261
10	2115	-.509	.199	.138	-1.561
10	2116	-.419	.202	.233	-1.269
10	2117	-.327	.182	.188	-1.157
10	2118	-.341	.192	.148	-1.604
10	2119	-.487	.175	-.059	-1.259
10	2120	-.501	.183	-.040	-1.620
10	2121	-.542	.220	.226	-1.546
10	2122	-.443	.221	.254	-1.399
10	2123	-.340	.205	.187	-1.503
10	2124	-.349	.218	.212	-1.943
10	2125	-.489	.199	-.011	-1.718
10	2126	-.499	.208	.062	-1.855
10	2127	-.474	.236	.268	-1.629
10	2128	-.365	.211	.283	-1.173
10	2129	-.302	.180	.181	-1.043
10	2130	-.309	.180	.076	-1.296
10	2131	-.461	.210	.017	-1.893
10	2132	-.475	.226	.061	-1.854
10	2133	-.461	.246	.150	-1.734
10	2134	-.371	.219	.200	-1.261
10	2135	-.301	.171	.149	-1.178
10	2136	-.308	.173	.125	-1.468
10	2137	-.394	.202	.086	-2.031
10	2138	-.409	.213	.067	-2.079
10	2139	-.444	.252	.324	-1.528
10	2140	-.265	.181	.324	-1.037
10	2141	-.178	.120	.198	-.798
10	2142	-.201	.110	.136	-.835
10	2143	-.374	.197	.163	-1.679
10	2144	-.396	.232	.393	-1.388
10	2145	-.119	.155	.350	-.990
10	2146	-.119	.083	.165	-.613
10	2147	-.075	.144	.320	-1.151
10	2148	-.044	.083	.354	-.600
10	2149	-.097	.098	.295	-.765
10	2150	-.430	.237	.042	-2.116
10	2151	-.448	.264	.086	-2.880
10	2152	-.232	.237	.441	-1.549
10	2153	-.112	.186	.352	-1.202
10	2154	-.020	.094	.414	-.505
10	2155	-.016	.098	.304	-.732
10	2201	-.409	.177	.119	-1.276
10	2202	-.380	.155	.076	-1.214

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
10	2203	-.310	.131	.122	-.768
10	2204	-.284	.112	.143	-1.037
10	2205	-.265	.109	.126	-.767
10	2206	-.224	.103	.108	-.766
10	2207	-.215	.106	.160	-.808
10	2208	-.383	.153	.091	-1.149
10	2209	-.354	.139	.105	-.898
10	2210	-.288	.120	.049	-.781
10	2211	-.261	.108	.016	-.840
10	2212	-.238	.106	.035	-.826
10	2213	-.212	.104	.089	-.669
10	2214	-.215	.109	.112	-.647
10	2215	-.305	.127	.056	-1.036
10	2216	-.290	.128	.064	-.871
10	2217	-.235	.118	.084	-.769
10	2218	-.191	.114	.169	-.738
10	2219	-.157	.103	.200	-.673
10	2220	-.142	.094	.177	-.599
10	2221	-.148	.096	.197	-.652
10	2222	-.305	.144	.248	-1.011
10	2223	-.285	.135	.177	-.918
10	2224	-.234	.119	.246	-.736
10	2225	-.181	.103	.173	-.912
10	2226	-.140	.088	.190	-.546
10	2227	-.120	.080	.255	-.461
10	2228	-.125	.085	.210	-.478
10	2229	-.310	.139	.077	-.936
10	2230	-.292	.131	.169	-.846
10	2231	-.236	.112	.136	-.730
10	2232	-.175	.091	.092	-.585
10	2233	-.125	.076	.170	-.426
10	2234	-.107	.073	.261	-.437
10	2235	-.112	.079	.289	-.575
10	2236	-.300	.135	.130	-.918
10	2237	-.277	.128	.116	-1.005
10	2238	-.209	.101	.100	-.747
10	2239	-.141	.074	.102	-.678
10	2240	-.103	.060	.118	-.414
10	2241	-.086	.060	.143	-.340
10	2242	-.092	.070	.138	-.349
10	2243	-.261	.124	.077	-.906
10	2244	-.221	.109	085	-.868
10	2245	-.145	.068	.052	-.519
10	2246	-.104	.049	.078	-.331
10	2247	-.080	.042	.093	-.266
10	2248	-.069	.046	.201	-.225
10	2249	-.066	.051	.163	-.259
10	2250	-.198	.103	.055	-.884
10	2251	-.110	.063	.104	-.563
10	2252	-.054	.037	.128	-.206

APPENDIX A -- PRESSURE DATA ; CONFIGURATION A ; GATEWAY PROJECT TOWERS

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
10	2253	-.035	.040	.133	-.222	10	2342	-.297	.130	.065	-1.018	10	2415	-.148	.076	.101	-.473
10	2254	-.068	.097	.281	-.555	10	2343	-.336	.138	.067	-1.062	10	2416	-.023	.070	.237	-.297
10	2255	-.119	.126	.232	-.863	10	2344	-.361	.133	-.088	-1.390	10	2417	.184	.098	.539	-.119
10	2256	-.097	.111	.239	-.677	10	2345	-.353	.136	-.051	-1.133	10	2418	.326	.121	.687	-.024
10	2257	-.031	.065	.347	-.379	10	2346	-.122	.115	.249	-.890	10	2419	.435	.146	.908	.027
10	2258	-.021	.046	.223	-.278	10	2347	-.127	.098	.139	-.582	10	2420	.505	.166	1.066	-.018
10	2259	-.035	.034	.106	-.166	10	2348	-.206	.137	.392	-.860	10	2421	.427	.170	.972	.029
10	2260	-.031	.034	.111	-.175	10	2349	-.229	.152	.371	-.827	10	2422	-.162	.077	.055	-.474
10	2261	-.024	.034	.111	-.190	10	2350	-.237	.104	.077	-.792	10	2423	-.058	.070	.205	-.312
10	2301	-.201	.098	.086	-.651	10	2351	-.261	.124	.061	-.872	10	2424	.153	.087	.498	-.063
10	2302	-.207	.116	.287	-.697	10	2352	-.294	.137	.062	-.955	10	2425	.287	.114	.725	-.024
10	2303	-.302	.137	.244	-.918	10	2353	-.371	.144	-.079	-1.125	10	2426	.381	.135	.898	-.005
10	2304	-.336	.173	.487	-1.137	10	2354	-.365	.139	-.046	-1.357	10	2427	.434	.159	1.014	-.022
10	2305	-.353	.114	.102	-.893	10	2355	-.072	.078	.217	-.499	10	2428	.389	.164	.963	-.068
10	2306	-.376	.121	.013	-.984	10	2356	-.077	.082	.183	-.584	10	2429	-.179	.083	.126	-.614
10	2307	-.386	.123	-.043	-.951	10	2357	-.114	.112	.283	-.654	10	2430	-.063	.070	.272	-.365
10	2308	-.470	.144	-.102	-1.258	10	2358	-.130	.151	.466	-.819	10	2431	.134	.082	.492	-.075
10	2309	-.481	.157	-.121	-1.371	10	2359	-.166	.100	.179	-.769	10	2432	.256	.103	.674	-.002
10	2310	-.214	.130	.115	-.918	10	2360	-.186	.121	.083	-.916	10	2433	.322	.116	.718	.036
10	2311	-.222	.119	.116	-.838	10	2361	-.218	.135	.077	-.877	10	2434	.358	.135	.904	-.000
10	2312	-.312	.129	.242	-.865	10	2362	-.363	.133	-.034	-1.102	10	2435	.312	.144	.921	-.066
10	2313	-.352	.123	.165	-.931	10	2363	-.370	.135	-.107	-1.102	10	2436	-.185	.075	.082	-.571
10	2314	-.355	.113	.064	-.752	10	2364	-.036	.050	.125	-.349	10	2437	-.062	.065	.172	-.300
10	2315	-.355	.111	-.033	-.883	10	2365	-.080	.085	.173	-.560	10	2438	.129	.073	.488	-.100
10	2316	-.375	.110	-.038	-.864	10	2366	-.078	.123	.353	-.625	10	2439	.233	.094	.716	-.008
10	2317	-.419	.121	-.102	-1.218	10	2367	-.169	.128	.133	-.898	10	2440	.283	.112	.899	.020
10	2318	-.444	.131	-.099	-1.351	10	2368	-.324	.129	-.056	-1.178	10	2441	.339	.144	.892	-.007
10	2319	-.223	.165	.264	-1.132	10	2369	-.015	.039	.184	-.358	10	2442	.276	.149	.845	-.115
10	2320	-.213	.137	.239	-.918	10	2370	-.010	.041	.215	-.275	10	2443	-.185	.076	.027	-.532
10	2321	-.302	.130	.283	-.845	10	2371	-.005	.076	.406	-.455	10	2444	-.058	.059	.209	-.276
10	2322	-.341	.137	.140	-1.045	10	2372	.068	.163	.856	-.728	10	2445	.111	.067	.549	-.136
10	2323	-.314	.104	.047	-.755	10	2373	-.058	.077	.250	-.505	10	2446	.163	.081	.548	-.037
10	2324	-.318	.119	.039	-.941	10	2374	-.105	.088	.183	-.720	10	2447	.192	.093	.634	-.049
10	2325	-.353	.126	.006	-1.035	10	2375	-.100	.097	.145	-.774	10	2448	.177	.108	.628	-.075
10	2326	-.356	.126	-.069	-.984	10	2376	-.279	.140	.076	-1.112	10	2449	.128	.113	.636	-.183
10	2327	-.348	.123	-.074	-1.044	10	2377	-.296	.148	-.015	-1.076	10	2450	-.155	.071	.079	-.509
10	2328	-.193	.156	.178	-1.055	10	2401	-.213	.068	.025	-.513	10	2451	-.109	.062	.391	-.090
10	2329	-.187	.133	.188	-.926	10	2402	-.082	.066	.165	-.480	10	2452	.196	.089	.552	-.038
10	2330	-.272	.136	.294	-.837	10	2403	-.015	.079	.328	-.287	10	2453	.147	.096	.582	-.211
10	2331	-.317	.153	.309	-1.059	10	2404	.041	.090	.392	-.236	10	2454	.076	.094	.477	-.225
10	2332	-.295	.110	.047	-.804	10	2405	.123	.104	.505	-.216	10	2455	-.139	.072	.092	-.578
10	2333	-.310	.129	.066	-1.215	10	2406	.301	.135	.768	-.152	10	2456	-.027	.051	.183	-.306
10	2334	-.344	.135	.205	-1.299	10	2407	.382	.164	.860	-.156	10	2457	.138	.069	.446	-.033
10	2335	-.353	.122	-.084	-1.021	10	2408	-.332	.089	-.063	-.766	10	2458	.234	.097	.764	.034
10	2336	-.344	.116	-.088	-.979	10	2409	-.082	.070	.266	-.386	10	2459	.243	.104	.860	.036
10	2337	-.168	.149	.267	-1.078	10	2410	.174	.102	.605	-.131	10	2460	.166	.092	.606	-.045
10	2338	-.157	.125	.210	-.796	10	2411	.287	.122	.697	-.045	10	2461	.058	.077	.491	-.178
10	2339	-.250	.137	.217	-.863	10	2412	.427	.139	.887	.049	10	2901	-.581	.141	-.128	-1.214
10	2340	-.290	.155	.353	-1.130	10	2413	.555	.165	1.078	.038	10	2902	-.543	.129	-.133	-1.118
10	2341	-.286	.113	.096	-1.000	10	2414	.542	.181	1.080	-.011	10	2903	-.398	.111	-.091	-.862

APPENDIX A -- PRESSURE DATA ; CONFIGURATION A ; GATEWAY PROJECT TOWERS

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
10	2904	-.565	.156	.176	-1.277
10	2905	-.493	.133	-.092	-1.157
10	2906	-.386	.177	.214	-1.264
10	2907	-.306	.186	.317	-1.057
10	2908	-.367	.130	.290	-.916
10	2909	-.322	.134	.110	-1.012
10	2910	-.064	.105	.255	-.743
10	2911	-.033	.098	.345	-.719
20	1101	.319	.184	.871	-.427
20	1102	.368	.174	1.071	-.275
20	1103	.334	.148	.835	-.173
20	1104	.298	.135	.727	-.179
20	1105	.209	.115	.571	-.194
20	1106	.113	.095	.427	-.239
20	1107	.294	.187	.926	-.720
20	1108	.433	.175	1.038	-.242
20	1109	.537	.165	1.011	-.059
20	1110	.479	.143	.903	.038
20	1111	.249	.111	.687	-.176
20	1112	.116	.085	.438	-.228
20	1113	.142	.190	.784	-.652
20	1114	.310	.184	1.020	-.340
20	1115	.488	.174	1.266	-.027
20	1116	.480	.150	1.151	.119
20	1117	.265	.104	.692	-.026
20	1118	.124	.083	.513	-.130
20	1119	.064	.189	.610	-.732
20	1120	.258	.183	.839	-.466
20	1121	.456	.163	.995	-.003
20	1122	.435	.148	.898	.086
20	1123	.239	.105	.617	-.039
20	1124	.094	.081	.397	-.159
20	1125	.040	.188	.697	-.609
20	1126	.199	.167	.850	-.397
20	1127	.383	.153	.937	-.068
20	1128	.372	.132	.859	.060
20	1129	.202	.097	.634	-.070
20	1130	.084	.076	.417	-.161
20	1131	.052	.164	.759	-.559
20	1132	.194	.151	.951	-.262
20	1133	.362	.135	.904	-.002
20	1134	.335	.114	.794	.043
20	1135	.139	.088	.581	-.110
20	1136	.039	.068	.315	-.183
20	1137	.059	.132	.532	-.434
20	1138	.170	.129	.677	-.203
20	1139	.270	.120	.776	-.044
20	1140	.247	.107	.695	-.070
20	1141	.107	.082	.423	-.131
20	1142	.000	.069	.368	-.234

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
20	1143	.071	.121	.710	-.504
20	1144	.198	.111	.703	-.097
20	1145	.183	.098	.616	-.098
20	1146	-.058	.059	.194	-.263
20	1147	.084	.123	.615	-.487
20	1148	.173	.119	.626	-.263
20	1149	.225	.111	.667	-.268
20	1150	.244	.121	.741	-.192
20	1151	.322	.145	.949	-.044
20	1152	.309	.132	.873	-.016
20	1153	.288	.124	.763	-.050
20	1154	.133	.085	.448	-.073
20	1155	.008	.071	.291	-.195
20	1201	-.324	.059	-.142	-.572
20	1202	-.324	.057	-.144	-.534
20	1203	-.339	.060	-.134	-.552
20	1204	-.353	.069	-.124	-.681
20	1205	-.360	.085	-.070	-.767
20	1206	-.353	.094	-.041	-.773
20	1207	-.352	.092	-.046	-.879
20	1208	-.317	.049	-.150	-.497
20	1209	-.325	.048	-.163	-.572
20	1210	-.330	.045	-.156	-.568
20	1211	-.338	.047	-.154	-.552
20	1212	-.342	.052	-.160	-.577
20	1213	-.339	.061	-.146	-.694
20	1214	-.340	.060	-.136	-.647
20	1215	-.303	.044	-.138	-.456
20	1216	-.311	.047	-.166	-.495
20	1217	-.321	.045	-.186	-.486
20	1218	-.329	.044	-.202	-.481
20	1219	-.331	.044	-.204	-.480
20	1220	-.331	.045	-.191	-.502
20	1221	-.340	.048	-.189	-.535
20	1222	-.298	.044	-.151	-.455
20	1223	-.298	.043	-.158	-.453
20	1224	-.306	.042	-.176	-.437
20	1225	-.318	.040	-.191	-.448
20	1226	-.318	.041	-.192	-.478
20	1227	-.321	.049	-.172	-.589
20	1228	-.331	.054	-.114	-.585
20	1229	-.290	.048	-.125	-.487
20	1230	-.296	.048	-.134	-.458
20	1231	-.308	.045	-.147	-.477
20	1232	-.326	.046	-.181	-.484
20	1233	-.324	.046	-.202	-.482
20	1234	-.329	.059	-.122	-.592
20	1235	-.340	.068	-.101	-.736
20	1236	-.297	.049	-.138	-.496
20	1237	-.296	.048	-.137	-.497

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
20	1238	-.309	.047	-.179	-.517
20	1239	-.320	.046	-.194	-.521
20	1240	-.322	.049	-.181	-.496
20	1241	-.322	.057	-.152	-.529
20	1242	-.333	.065	-.136	-.601
20	1243	-.304	.055	-.147	-.507
20	1244	-.307	.053	-.113	-.515
20	1245	-.312	.054	-.172	-.539
20	1246	-.326	.054	-.179	-.537
20	1247	-.330	.055	-.180	-.544
20	1248	-.339	.061	-.127	-.655
20	1249	-.343	.071	-.105	-.699
20	1250	-.303	.059	-.129	-.526
20	1251	-.316	.056	-.161	-.530
20	1252	-.331	.049	-.181	-.563
20	1253	-.340	.054	-.162	-.564
20	1254	-.297	.059	-.091	-.528
20	1255	-.300	.058	-.103	-.530
20	1256	-.306	.056	-.148	-.525
20	1257	-.308	.052	-.165	-.507
20	1258	-.315	.050	-.154	-.503
20	1259	-.325	.050	-.182	-.530
20	1260	-.334	.055	-.179	-.546
20	1301	-.328	.077	-.102	-.811
20	1302	-.319	.073	-.109	-.712
20	1303	-.311	.073	-.066	-.692
20	1304	-.322	.078	-.090	-.784
20	1305	-.313	.073	-.068	-.609
20	1306	-.315	.082	-.048	-.744
20	1307	-.318	.081	-.080	-.755
20	1308	-.320	.082	-.063	-.880
20	1309	-.317	.086	-.041	-.785
20	1310	-.336	.056	-.140	-.556
20	1311	-.331	.056	-.143	-.546
20	1312	-.325	.058	-.134	-.553
20	1313	-.317	.057	-.118	-.542
20	1314	-.317	.061	-.140	-.576
20	1315	-.318	.063	-.134	-.580
20	1316	-.325	.066	-.122	-.611
20	1317	-.315	.071	-.100	-.652
20	1318	-.318	.075	-.061	-.786
20	1319	-.335	.048	-.176	-.513
20	1320	-.328	.047	-.172	-.509
20	1321	-.324	.050	-.178	-.537
20	1322	-.329	.047	-.168	-.528
20	1323	-.330	.048	-.184	-.570
20	1324	-.323	.049	-.140	-.571
20	1325	-.333	.052	-.172	-.578
20	1326	-.328	.056	-.141	-.602
20	1327	-.331	.061	-.181	-.633

APPENDIX A -- PRESSURE DATA ; CONFIGURATION A : GATEWAY PROJECT TOWERS

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
20	1328	-.318	.052	-.100	-.516
20	1329	-.314	.051	-.104	-.515
20	1330	-.317	.051	-.159	-.549
20	1331	-.310	.049	-.160	-.460
20	1332	-.303	.049	-.142	-.472
20	1333	-.299	.050	-.127	-.505
20	1334	-.312	.053	-.147	-.551
20	1335	-.312	.058	-.138	-.541
20	1336	-.306	.058	-.130	-.544
20	1337	-.292	.050	-.027	-.490
20	1338	-.288	.048	-.050	-.447
20	1339	-.301	.048	-.109	-.501
20	1340	-.297	.046	-.157	-.449
20	1341	-.295	.048	-.129	-.463
20	1342	-.292	.050	-.080	-.470
20	1343	-.294	.048	-.148	-.506
20	1344	-.286	.050	-.119	-.514
20	1345	-.286	.052	-.115	-.530
20	1346	-.295	.054	-.104	-.532
20	1347	-.298	.049	-.080	-.470
20	1348	-.294	.046	-.119	-.476
20	1349	-.295	.046	-.099	-.479
20	1350	-.292	.047	-.095	-.476
20	1351	-.288	.052	-.075	-.492
20	1352	-.296	.053	-.114	-.504
20	1353	-.291	.053	-.060	-.537
20	1354	-.288	.054	-.079	-.544
20	1355	-.317	.055	-.111	-.538
20	1356	-.311	.053	-.109	-.499
20	1357	-.313	.052	-.124	-.537
20	1358	-.312	.049	-.111	-.490
20	1359	-.316	.055	-.080	-.523
20	1360	-.306	.057	-.117	-.511
20	1361	-.324	.056	-.113	-.550
20	1362	-.316	.055	-.125	-.537
20	1363	-.314	.057	-.140	-.545
20	1364	-.344	.056	-.142	-.574
20	1365	-.330	.052	-.173	-.554
20	1366	-.324	.053	-.142	-.584
20	1367	-.315	.053	-.136	-.579
20	1368	-.303	.053	-.167	-.557
20	1369	-.324	.048	-.186	-.582
20	1370	-.320	.047	-.158	-.528
20	1371	-.317	.053	-.143	-.523
20	1372	-.305	.053	-.142	-.511
20	1373	-.304	.055	-.129	-.514
20	1374	-.309	.054	-.135	-.518
20	1375	-.303	.052	-.126	-.516
20	1376	-.295	.054	-.086	-.504
20	1377	-.294	.056	-.085	-.511

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
20	1401	-.190	.187	.743	-1.211
20	1402	-.127	.194	.911	-1.176
20	1403	-.101	.173	.680	-.997
20	1404	-.046	.155	.590	-.822
20	1405	.005	.132	.485	-.487
20	1406	.043	.145	.537	-.612
20	1407	-.001	.176	.605	-.899
20	1408	-.278	.098	.250	-.913
20	1409	-.215	.098	.218	-.819
20	1410	-.136	.119	.391	-.759
20	1411	-.056	.108	.449	-.479
20	1412	.022	.125	.473	-.519
20	1413	.033	.175	.565	-1.044
20	1414	-.038	.212	.600	-1.440
20	1415	-.277	.060	.097	-.684
20	1416	-.244	.063	-.002	-.499
20	1417	-.189	.081	.132	-.471
20	1418	-.157	.102	.231	-.791
20	1419	-.113	.127	.338	-.794
20	1420	-.230	.271	.456	-1.488
20	1421	-.334	.258	.427	-1.512
20	1422	-.267	.067	.034	-.593
20	1423	-.221	.078	.104	-.535
20	1424	-.192	.099	.158	-.650
20	1425	-.181	.113	.193	-.647
20	1426	-.162	.143	.307	-.880
20	1427	-.372	.307	.562	-1.597
20	1428	-.421	.294	.415	-1.816
20	1429	-.246	.063	.092	-.481
20	1430	-.213	.070	.208	-.466
20	1431	-.180	.092	.277	-.525
20	1432	-.168	.105	.192	-.584
20	1433	-.151	.125	.258	-.667
20	1434	-.348	.271	.364	-1.405
20	1435	-.423	.265	.279	-1.692
20	1436	-.246	.053	-.014	-.470
20	1437	-.204	.053	.004	-.431
20	1438	-.153	.064	.130	-.420
20	1439	-.152	.084	.145	-.498
20	1440	-.135	.107	.306	-.531
20	1441	-.291	.226	.379	-1.623
20	1442	-.386	.230	.339	-1.648
20	1443	-.257	.048	-.081	-.457
20	1444	-.202	.044	-.024	-.378
20	1445	-.139	.051	.026	-.334
20	1446	-.112	.067	.107	-.374
20	1447	-.096	.084	.174	-.494
20	1448	-.205	.163	.298	-1.095
20	1449	-.286	.173	.257	-1.166
20	1450	-.248	.043	-.122	-.487

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
20	1451	-.112	.047	.077	-.316
20	1452	-.086	.087	.203	-.407
20	1453	-.285	.189	.151	-1.415
20	1454	-.211	.041	-.084	-.405
20	1455	-.171	.036	.022	-.337
20	1456	-.077	.052	.227	-.266
20	1457	-.028	.076	.312	-.274
20	1458	-.009	.100	.467	-.400
20	1459	-.103	.161	.421	-.860
20	1460	-.183	.160	.339	-.956
20	1461	.251	.134	.846	-.069
20	1901	-.392	.089	-.053	-.875
20	1902	-.381	.141	.117	-1.001
20	1903	-.340	.170	.179	-1.098
20	1904	-.374	.079	-.112	-.790
20	1905	-.398	.141	.223	-.966
20	1906	-.182	.241	.916	-.863
20	1907	-.378	.093	-.109	-.769
20	1908	-.397	.095	-.044	-.770
20	1909	-.270	.200	.663	-.887
20	1910	.222	.104	.740	-.125
20	1911	.242	.117	.819	-.096
20	2101	-.344	.101	-.040	-1.170
20	2102	-.361	.105	-.080	-1.562
20	2103	-.372	.120	.013	-1.167
20	2104	-.388	.142	.065	-1.056
20	2105	-.352	.136	.311	-.955
20	2106	-.357	.147	.079	-1.030
20	2107	-.410	.122	-.029	-1.147
20	2108	-.352	.095	-.007	-.824
20	2109	-.368	.113	.020	-.970
20	2110	-.367	.123	-.006	-1.095
20	2111	-.358	.133	.139	-1.137
20	2112	-.365	.146	.074	-1.263
20	2113	-.332	.103	-.047	-1.354
20	2114	-.335	.104	-.050	-1.482
20	2115	-.359	.124	-.062	-1.041
20	2116	-.371	.133	.097	-1.199
20	2117	-.389	.152	.124	-.999
20	2118	-.405	.178	.073	-1.276
20	2119	-.333	.107	-.062	-.860
20	2120	-.342	.110	-.049	-.932
20	2121	-.375	.144	.012	-1.222
20	2122	-.379	.145	.078	-1.262
20	2123	-.400	.173	.215	-1.550
20	2124	-.417	.202	.152	-1.757
20	2125	-.364	.135	-.033	-1.153
20	2126	-.368	.136	-.055	-1.308
20	2127	-.399	.166	-.002	-1.573
20	2128	-.394	.168	.223	-1.320

APPENDIX A -- PRESSURE DATA ;   CONFIGURATION A : GATEWAY PROJECT TOWERS

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
20	2129	-.401	.171	.308	-1.238
20	2130	-.412	.193	.237	-1.426
20	2131	-.375	.139	-.044	-1.488
20	2132	-.382	.145	-.035	-1.657
20	2133	-.423	.163	.114	-1.842
20	2134	-.425	.160	.087	-1.183
20	2135	-.422	.165	.182	-1.126
20	2136	-.434	.182	.134	-1.300
20	2137	-.415	.159	-.059	-1.357
20	2138	-.422	.162	-.033	-1.404
20	2139	-.479	.212	-.017	-1.823
20	2140	-.423	.177	.157	-1.330
20	2141	-.331	.157	.159	-.964
20	2142	-.332	.156	.119	-1.176
20	2143	-.407	.171	-.068	-2.408
20	2144	-.479	.208	.154	-1.471
20	2145	-.331	.182	.330	-1.103
20	2146	-.254	.152	.141	-1.092
20	2147	-.299	.192	.289	-1.081
20	2148	-.194	.159	.353	-.836
20	2149	-.188	.148	.294	-1.553
20	2150	-.420	.201	.009	-1.740
20	2151	-.435	.217	.019	-2.017
20	2152	-.362	.201	.388	-1.490
20	2153	-.300	.232	.266	-1.433
20	2154	-.152	.142	.300	-.813
20	2155	-.155	.160	.475	-.897
20	2201	-.331	.117	.091	-.847
20	2202	-.319	.112	.068	-.754
20	2203	-.313	.106	.032	-.806
20	2204	-.299	.103	.049	-.705
20	2205	-.250	.102	.098	-.596
20	2206	-.195	.101	.124	-.639
20	2207	-.203	.106	.161	-.765
20	2208	-.324	.121	.050	-.958
20	2209	-.323	.121	.036	-.952
20	2210	-.303	.108	.047	-.897
20	2211	-.291	.104	-.009	-1.025
20	2212	-.250	.105	.065	-.720
20	2213	-.220	.114	.064	-.824
20	2214	-.225	.123	.124	-1.027
20	2215	-.331	.118	.076	-.923
20	2216	-.325	.108	.057	-.759
20	2217	-.288	.098	.102	-.641
20	2218	-.246	.096	.180	-.702
20	2219	-.196	.088	.183	-.570
20	2220	-.150	.095	.250	-.632
20	2221	-.152	.109	.219	-.896
20	2222	-.346	.136	.080	-1.038
20	2223	-.323	.119	.087	-.812

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
20	2224	-.273	.101	.163	-.707
20	2225	-.216	.088	.153	-.602
20	2226	-.161	.076	.244	-.481
20	2227	-.128	.077	.221	-.482
20	2228	-.130	.093	.196	-.594
20	2229	-.350	.136	.060	-.945
20	2230	-.323	.121	.053	-.893
20	2231	-.262	.099	.103	-.782
20	2232	-.198	.082	.111	-.495
20	2233	-.143	.067	.099	-.497
20	2234	-.114	.069	.191	-.457
20	2235	-.117	.078	.148	-.525
20	2236	-.361	.139	.007	-.950
20	2237	-.329	.123	.023	-.959
20	2238	-.251	.095	.104	-.668
20	2239	-.176	.075	.160	-.611
20	2240	-.130	.060	.113	-.403
20	2241	-.099	.056	.102	-.336
20	2242	-.101	.066	.124	-.423
20	2243	-.316	.117	.007	-.928
20	2244	-.277	.114	.026	-.797
20	2245	-.204	.085	.067	-.622
20	2246	-.140	.061	.084	-.530
20	2247	-.100	.047	.073	-.336
20	2248	-.080	.046	.078	-.299
20	2249	-.076	.049	.114	-.375
20	2250	-.252	.114	.033	-.849
20	2251	-.169	.096	.258	-.791
20	2252	-.075	.046	.085	-.281
20	2253	-.051	.047	.124	-.365
20	2254	-.222	.149	.251	-1.002
20	2255	-.170	.135	.308	-.736
20	2256	-.150	.115	.252	-.990
20	2257	-.098	.099	.243	-.754
20	2258	-.063	.072	.216	-.590
20	2259	-.064	.048	.123	-.266
20	2260	-.059	.042	.075	-.222
20	2261	-.054	.042	.089	-.221
20	2301	-.191	.082	.078	-.517
20	2302	-.175	.087	.107	-.600
20	2303	-.215	.113	.214	-.735
20	2304	-.057	.232	.789	-1.111
20	2305	-.290	.119	.236	-1.069
20	2306	-.351	.128	.030	-1.214
20	2307	-.334	.112	-.000	-.884
20	2308	-.635	.184	-.079	-1.482
20	2309	-.725	.203	-.225	-1.632
20	2310	-.191	.097	.153	-.707
20	2311	-.183	.085	.106	-.740
20	2312	-.200	.114	.241	-.746

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
20	2313	-.221	.163	.398	-.945
20	2314	-.267	.113	.078	-.766
20	2315	-.312	.133	.026	-.916
20	2316	-.343	.136	-.005	-.903
20	2317	-.643	.168	-.197	-1.323
20	2318	-.688	.192	-.210	-1.617
20	2319	-.154	.110	.189	-1.007
20	2320	-.149	.097	.214	-.667
20	2321	-.217	.139	.251	-.800
20	2322	-.234	.199	.403	-1.211
20	2323	-.293	.127	.003	-.884
20	2324	-.351	.161	.133	-1.125
20	2325	-.396	.174	.073	-1.233
20	2326	-.556	.160	-.133	-1.211
20	2327	-.540	.154	-.132	-1.185
20	2328	-.136	.097	.191	-.649
20	2329	-.139	.101	.244	-.634
20	2330	-.218	.153	.343	-.814
20	2331	-.281	.210	.609	-1.123
20	2332	-.303	.137	.199	-.860
20	2333	-.337	.164	.095	-1.185
20	2334	-.380	.176	.141	-1.226
20	2335	-.503	.154	-.133	-1.280
20	2336	-.489	.146	-.125	-1.213
20	2337	-.119	.090	.275	-1.183
20	2338	-.117	.084	.256	-.827
20	2339	-.185	.135	.221	-.821
20	2340	-.208	.195	.406	-.984
20	2341	-.260	.135	.094	-.847
20	2342	-.276	.143	.032	-.907
20	2343	-.321	.174	.086	-1.090
20	2344	-.483	.165	-.073	-1.264
20	2345	-.453	.156	-.104	-1.299
20	2346	-.096	.072	.136	-1.058
20	2347	-.095	.064	.162	-.547
20	2348	-.148	.112	.295	-.833
20	2349	-.144	.162	.440	-.876
20	2350	-.193	.105	.053	-.714
20	2351	-.214	.128	.075	-.915
20	2352	-.243	.147	.104	-1.038
20	2353	-.431	.147	-.098	-1.127
20	2354	-.436	.163	-.062	-1.191
20	2355	-.074	.056	.132	-.415
20	2356	-.072	.056	.183	-.441
20	2357	-.092	.085	.213	-.811
20	2358	-.077	.139	.429	-.712
20	2359	-.130	.090	.100	-.714
20	2360	-.145	.109	.092	-.758
20	2361	-.181	.124	.094	-.765
20	2362	-.380	.146	.073	-1.058

APPENDIX A -- PRESSURE DATA ;   CONFIGURATION A : GATEWAY PROJECT TOWERS

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
20	2363	-.390	.145	-.085	-1.147	20	2436	-.184	.081	.201	-.616	30	1114	-.027	.217	.896	-.568
20	2364	-.046	.049	.140	-.268	20	2437	-.046	.068	.230	-.333	30	1115	.316	.234	1.003	-.424
20	2365	-.063	.069	.226	-.481	20	2438	.167	.080	.563	-.063	30	1116	.405	.184	1.019	-.279
20	2366	-.037	.107	.460	-.642	20	2439	.269	.100	.781	.028	30	1117	.255	.121	.809	-.284
20	2367	-.139	.113	.115	-.770	20	2440	.297	.105	.779	.018	30	1118	.136	.095	.585	-.328
20	2368	-.340	.132	.136	-1.201	20	2441	.306	.133	.856	-.046	30	1119	-.303	.192	.428	-.911
20	2369	-.038	.040	.123	-.179	20	2442	.224	.136	.832	-.163	30	1120	-.080	.215	.742	-.667
20	2370	-.025	.039	.148	-.145	20	2443	-.176	.080	.095	-.640	30	1121	.249	.227	1.014	-.414
20	2371	-.003	.058	.431	-.233	20	2444	-.034	.064	.225	-.333	30	1122	.355	.192	1.143	-.374
20	2372	.107	.137	1.124	-.411	20	2445	.138	.074	.508	-.072	30	1123	.237	.127	.826	-.274
20	2373	-.035	.068	.321	-.483	20	2446	.209	.087	.585	-.019	30	1124	.107	.103	.612	-.551
20	2374	-.074	.079	.151	-.724	20	2447	.231	.099	.681	-.027	30	1125	-.285	.183	.401	-.923
20	2375	-.064	.091	.189	-.835	20	2448	.188	.115	.719	-.170	30	1126	-.108	.187	.565	-.703
20	2376	-.259	.145	.120	-.949	20	2449	.108	.120	.679	-.275	30	1127	.188	.209	.857	-.521
20	2377	-.270	.144	.099	-1.062	20	2450	-.126	.073	.198	-.471	30	1128	.288	.185	.850	-.398
20	2401	-.231	.080	.077	-.545	20	2451	.140	.069	.485	-.054	30	1129	.204	.134	.709	-.355
20	2402	-.048	.080	.276	-.358	20	2452	.215	.088	.631	-.043	30	1130	.102	.106	.522	-.384
20	2403	.047	.095	.408	-.302	20	2453	.136	.092	.602	-.141	30	1131	-.246	.192	.522	-.915
20	2404	.118	.105	.457	-.223	20	2454	.051	.102	.594	-.235	30	1132	-.078	.201	.657	-.599
20	2405	.193	.121	.602	-.149	20	2455	-.103	.078	.200	-.513	30	1133	.186	.210	1.000	-.498
20	2406	.322	.150	.835	-.122	20	2456	.022	.062	.350	-.195	30	1134	.265	.175	.939	-.392
20	2407	.382	.164	.968	-.141	20	2457	.202	.085	.579	.016	30	1135	.136	.112	.704	-.389
20	2408	-.422	.113	-.075	-.809	20	2458	.271	.105	.844	.055	30	1136	.059	.096	.438	-.519
20	2409	-.078	.078	.281	-.341	20	2459	.269	.109	.824	.035	30	1137	-.167	.181	.509	-.768
20	2410	.230	.114	.672	-.076	20	2460	.165	.092	.575	-.053	30	1138	-.033	.171	.842	-.527
20	2411	.342	.134	.872	-.013	20	2461	.046	.079	.547	-.272	30	1139	.144	.168	.758	-.422
20	2412	.454	.151	.920	.012	20	2901	-.414	.098	-.142	-.933	30	1140	.183	.142	.782	-.453
20	2413	.517	.167	1.054	-.002	20	2902	-.406	.097	-.089	-.923	30	1141	.086	.101	.566	-.401
20	2414	.475	.182	1.102	.012	20	2903	-.381	.097	-.089	-.866	30	1142	.009	.083	.435	-.386
20	2415	-.195	.084	.118	-.493	20	2904	-.409	.102	-.123	-.884	30	1143	-.100	.153	.460	-.587
20	2416	-.028	.076	.267	-.301	20	2905	-.407	.105	-.052	-.914	30	1144	.122	.145	.688	-.472
20	2417	.236	.104	.621	-.046	20	2906	-.396	.141	-.028	-1.190	30	1145	.143	.129	.633	-.394
20	2418	.384	.126	.820	.066	20	2907	-.400	.117	.092	-.907	30	1146	-.049	.075	.258	-.494
20	2419	.475	.148	.923	.059	20	2908	-.380	.118	.038	-.932	30	1147	-.111	.144	.416	-.611
20	2420	.488	.164	1.040	-.018	20	2909	-.334	.137	.086	-1.009	30	1148	.013	.145	.602	-.503
20	2421	.411	.155	1.030	-.041	20	2910	-.235	.144	.211	-.813	30	1149	.107	.144	.691	-.452
20	2422	-.193	.078	.095	-.476	20	2911	-.172	.162	.394	-1.080	30	1150	.117	.148	.717	-.405
20	2423	-.052	.075	.301	-.267	30	1101	.169	.268	1.022	-.895	30	1151	.211	.167	.954	-.251
20	2424	.212	.100	.625	-.063	30	1102	.282	.263	1.088	-.603	30	1152	.190	.154	.864	-.271
20	2425	.346	.135	.888	.020	30	1103	.390	.207	1.135	-.397	30	1153	.208	.138	.909	-.249
20	2426	.426	.154	.986	.066	30	1104	.372	.167	1.050	-.308	30	1154	.103	.095	.558	-.299
20	2427	.424	.167	.961	.058	30	1105	.238	.123	.728	-.382	30	1155	-.013	.069	.272	-.292
20	2428	.345	.161	.908	-.103	30	1106	.120	.098	.663	-.315	30	1201	-.264	.055	-.086	-.577
20	2429	-.204	.084	.079	-.614	30	1107	-.054	.230	.623	-.806	30	1202	-.268	.053	-.075	-.523
20	2430	-.047	.072	.272	-.365	30	1108	.142	.229	.889	-.464	30	1203	-.280	.058	-.051	-.565
20	2431	.194	.096	.556	-.047	30	1109	.430	.223	1.218	-.267	30	1204	-.300	.075	-.060	-.714
20	2432	.320	.120	.789	.032	30	1110	.461	.177	1.086	-.214	30	1205	-.291	.078	-.044	-.726
20	2433	.352	.137	.897	.050	30	1111	.266	.122	.726	-.305	30	1206	-.288	.076	-.021	-.876
20	2434	.341	.150	.972	-.113	30	1112	.119	.091	.502	-.241	30	1207	-.292	.075	-.035	-.802
20	2435	.269	.152	1.005	-.206	30	1113	-.248	.204	.688	-.931	30	1208	-.274	.050	-.064	-.477

APPENDIX A -- PRESSURE DATA ; CONFIGURATION A : GATEWAY PROJECT TOWER.

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
30	1209	-.281	.050	-.096	-.492
30	1210	-.284	.048	-.129	-.494
30	1211	-.291	.051	-.137	-.521
30	1212	-.293	.052	-.124	-.484
30	1213	-.290	.052	-.111	-.534
30	1214	-.295	.053	-.123	-.543
30	1215	-.263	.048	-.105	-.670
30	1216	-.265	.047	-.102	-.491
30	1217	-.276	.043	-.120	-.469
30	1218	-.273	.040	-.113	-.426
30	1219	-.277	.041	-.152	-.439
30	1220	-.284	.043	-.143	-.474
30	1221	-.294	.044	-.150	-.492
30	1222	-.254	.053	-.083	-.890
30	1223	-.255	.050	-.088	-.527
30	1224	-.259	.042	-.109	-.424
30	1225	-.268	.039	-.118	-.412
30	1226	-.259	.038	-.108	-.387
30	1227	-.261	.041	-.095	-.398
30	1228	-.268	.043	-.125	-.418
30	1229	-.247	.049	-.079	-.876
30	1230	-.252	.047	-.090	-.604
30	1231	-.257	.042	-.113	-.494
30	1232	-.260	.039	-.118	-.406
30	1233	-.255	.038	-.101	-.398
30	1234	-.258	.042	-.117	-.417
30	1235	-.260	.046	-.099	-.442
30	1236	-.259	.056	-.058	-.548
30	1237	-.259	.055	-.062	-.550
30	1238	-.270	.051	-.095	-.441
30	1239	-.272	.048	-.120	-.432
30	1240	-.269	.044	-.127	-.423
30	1241	-.268	.046	-.103	-.447
30	1242	-.275	.050	-.088	-.481
30	1243	-.269	.054	-.106	-1.067
30	1244	-.281	.048	-.133	-.528
30	1245	-.279	.046	-.140	-.474
30	1246	-.287	.045	-.148	-.502
30	1247	-.288	.046	-.113	-.501
30	1248	-.296	.046	-.128	-.467
30	1249	-.286	.052	-.116	-.511
30	1250	-.269	.054	-.122	-.524
30	1251	-.272	.051	-.138	-.510
30	1252	-.288	.044	-.151	-.465
30	1253	-.297	.046	-.113	-.503
30	1254	-.263	.055	-.104	-.533
30	1255	-.263	.053	-.111	-.524
30	1256	-.272	.051	-.103	-.512
30	1257	-.279	.046	-.143	-.476
30	1258	-.285	.044	-.160	-.448

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
30	1259	-.292	.045	-.165	-.444
30	1260	-.296	.045	-.172	-.491
30	1301	-.297	.068	-.116	-.633
30	1302	-.291	.065	-.088	-.638
30	1303	-.287	.070	-.017	-.617
30	1304	-.293	.081	-.028	-.943
30	1305	-.290	.084	-.032	-1.362
30	1306	-.295	.083	-.014	-.723
30	1307	-.295	.086	-.019	-.827
30	1308	-.291	.091	.001	-.834
30	1309	-.295	.096	-.000	-1.034
30	1310	-.294	.051	-.111	-.501
30	1311	-.291	.051	-.097	-.495
30	1312	-.284	.055	-.049	-.515
30	1313	-.280	.059	-.061	-.607
30	1314	-.284	.056	-.025	-.572
30	1315	-.282	.058	-.017	-.584
30	1316	-.287	.063	-.010	-.665
30	1317	-.294	.075	-.005	-.927
30	1318	-.292	.086	.004	-.850
30	1319	-.304	.050	-.155	-.477
30	1320	-.303	.048	-.155	-.479
30	1321	-.301	.045	-.156	-.509
30	1322	-.300	.048	-.108	-.480
30	1323	-.296	.047	-.141	-.477
30	1324	-.290	.048	-.121	-.486
30	1325	-.304	.050	-.144	-.537
30	1326	-.300	.054	-.115	-.499
30	1327	-.305	.058	-.035	-.640
30	1328	-.288	.051	-.133	-.501
30	1329	-.287	.048	-.142	-.497
30	1330	-.291	.044	-.170	-.489
30	1331	-.290	.041	-.162	-.449
30	1332	-.291	.042	-.148	-.447
30	1333	-.277	.042	-.128	-.451
30	1334	-.292	.044	-.113	-.476
30	1335	-.290	.046	-.148	-.486
30	1336	-.291	.048	-.116	-.560
30	1337	-.272	.047	-.122	-.493
30	1338	-.268	.044	-.108	-.483
30	1339	-.272	.042	-.151	-.441
30	1340	-.277	.041	-.170	-.449
30	1341	-.275	.042	-.160	-.455
30	1342	-.257	.047	-.083	-.448
30	1343	-.277	.042	-.154	-.503
30	1344	-.265	.044	-.135	-.483
30	1345	-.265	.046	-.137	-.606
30	1346	-.276	.053	-.054	-.502
30	1347	-.287	.048	-.077	-.450
30	1348	-.290	.044	-.148	-.443

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
30	1349	-.293	.044	-.149	-.447
30	1350	-.290	.045	-.142	-.447
30	1351	-.274	.051	-.103	-.455
30	1352	-.288	.049	-.138	-.465
30	1353	-.281	.051	-.137	-.479
30	1354	-.279	.051	-.135	-.484
30	1355	-.299	.054	-.135	-.479
30	1356	-.295	.051	-.133	-.465
30	1357	-.296	.050	-.109	-.470
30	1358	-.297	.049	-.165	-.509
30	1359	-.296	.047	-.142	-.498
30	1360	-.289	.056	-.118	-.512
30	1361	-.301	.049	-.144	-.495
30	1362	-.292	.049	-.147	-.479
30	1363	-.282	.050	-.149	-.532
30	1364	-.296	.048	-.153	-.540
30	1365	-.298	.051	-.168	-.496
30	1366	-.288	.050	-.091	-.521
30	1367	-.293	.052	-.142	-.489
30	1368	-.284	.052	-.138	-.478
30	1369	-.297	.049	-.151	-.483
30	1370	-.296	.048	-.149	-.484
30	1371	-.298	.053	-.147	-.532
30	1372	-.293	.053	-.153	-.535
30	1373	-.292	.055	-.142	-.527
30	1374	-.295	.056	-.133	-.591
30	1375	-.294	.054	-.123	-.573
30	1376	-.288	.059	-.133	-.745
30	1377	-.290	.062	-.119	-.761
30	1401	-.176	.214	.815	-.978
30	1402	-.138	.253	.862	-1.184
30	1403	-.132	.225	.750	-1.493
30	1404	-.152	.191	.671	-.976
30	1405	-.089	.180	.665	-1.288
30	1406	-.079	.217	.729	-1.185
30	1407	-.134	.262	.712	-1.184
30	1408	-.295	.114	.228	-1.104
30	1409	-.268	.120	.372	-1.016
30	1410	-.232	.121	.241	-.847
30	1411	-.205	.116	.356	-.717
30	1412	-.186	.119	.275	-.621
30	1413	-.305	.223	.350	-1.457
30	1414	-.421	.271	.420	-1.567
30	1415	-.288	.079	.025	-.900
30	1416	-.274	.078	-.021	-1.033
30	1417	-.251	.075	-.008	-.625
30	1418	-.253	.084	.077	-.668
30	1419	-.292	.108	.053	-.927
30	1420	-.642	.275	.075	-1.806
30	1421	-.732	.269	-.093	-1.742

APPENDIX A -- PRESSURE DATA ; CONFIGURATION A : GATEWAY PROJECT TOWERS

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
30	1422	-.262	.055	-.038	-.546
30	1423	-.236	.061	.095	-.765
30	1424	-.241	.075	.092	-.650
30	1425	-.266	.086	.095	-.628
30	1426	-.326	.125	.065	-.993
30	1427	-.677	.278	.220	-1.878
30	1428	-.756	.297	-.055	-1.948
30	1429	-.243	.055	.010	-.460
30	1430	-.228	.061	.006	-.461
30	1431	-.234	.077	.051	-.551
30	1432	-.265	.090	.118	-.708
30	1433	-.324	.128	.105	-1.080
30	1434	-.633	.277	.097	-1.685
30	1435	-.694	.282	.027	-1.857
30	1436	-.247	.053	-.045	-.527
30	1437	-.228	.055	.012	-.500
30	1438	-.223	.068	.040	-.563
30	1439	-.255	.077	.066	-.529
30	1440	-.300	.117	.094	-.862
30	1441	-.584	.257	.162	-1.572
30	1442	-.659	.266	.102	-1.747
30	1443	-.259	.051	-.110	-.563
30	1444	-.231	.045	-.060	-.472
30	1445	-.215	.053	.005	-.428
30	1446	-.232	.067	.042	-.569
30	1447	-.262	.098	.133	-.868
30	1448	-.481	.218	.111	-1.582
30	1449	-.588	.243	.021	-1.890
30	1450	-.250	.049	-.057	-.448
30	1451	-.188	.052	-.005	-.409
30	1452	-.242	.097	.070	-.651
30	1453	-.528	.244	.065	-1.714
30	1454	-.202	.056	.132	-.420
30	1455	-.185	.047	.047	-.354
30	1456	-.159	.058	.048	-.371
30	1457	-.163	.082	.137	-.302
30	1458	-.193	.120	.258	-.686
30	1459	-.366	.178	.157	-1.180
30	1460	-.424	.171	.106	-1.241
30	1461	.102	.163	.872	-.393
30	1901	-.326	.138	.163	-.873
30	1902	-.163	.127	.291	-.753
30	1903	-.149	.120	.288	-.668
30	1904	-.273	.099	.160	-.689
30	1905	-.122	.211	.525	-.806
30	1906	.031	.180	.859	-.668
30	1907	-.232	.086	.141	-.602
30	1908	-.267	.151	.459	-.844
30	1909	.089	.214	.947	-.672
30	1910	.034	.148	.630	-.449

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
30	1911	.080	.135	.667	-.312
30	2101	-.346	.076	-.086	-.632
30	2102	-.376	.076	-.145	-.687
30	2103	-.365	.081	-.104	-.687
30	2104	-.394	.087	-.084	-.729
30	2105	-.407	.097	-.071	-.855
30	2106	-.415	.108	-.039	-.905
30	2107	-.422	.093	-.126	-.758
30	2108	-.370	.077	-.111	-.708
30	2109	-.369	.078	-.082	-.787
30	2110	-.387	.080	-.142	-.781
30	2111	-.407	.090	-.144	-.896
30	2112	-.413	.096	-.131	-.874
30	2113	-.354	.077	-.108	-.663
30	2114	-.357	.077	-.108	-.685
30	2115	-.372	.084	-.102	-.753
30	2116	-.388	.087	-.099	-.863
30	2117	-.421	.097	-.141	-.891
30	2118	-.432	.106	-.140	-.946
30	2119	-.336	.078	-.066	-.722
30	2120	-.338	.078	-.083	-.707
30	2121	-.339	.082	-.101	-.760
30	2122	-.363	.085	-.086	-.720
30	2123	-.391	.103	-.108	-.977
30	2124	-.398	.113	-.104	-.977
30	2125	-.327	.081	-.061	-.632
30	2126	-.330	.080	-.064	-.666
30	2127	-.346	.090	-.026	-.849
30	2128	-.374	.098	-.007	-.867
30	2129	-.410	.121	-.073	-1.000
30	2130	-.419	.130	-.078	-1.253
30	2131	-.326	.086	-.048	-.782
30	2132	-.329	.086	-.049	-.819
30	2133	-.356	.100	-.108	-1.287
30	2134	-.381	.105	-.019	-1.088
30	2135	-.416	.130	-.138	-1.109
30	2136	-.421	.139	-.117	-1.117
30	2137	-.355	.110	-.063	-1.206
30	2138	-.361	.108	-.069	-1.039
30	2139	-.374	.125	-.050	-1.232
30	2140	-.386	.133	-.014	-1.304
30	2141	-.395	.138	-.056	-1.225
30	2142	-.401	.143	-.056	-1.204
30	2143	-.369	.123	-.055	-1.326
30	2144	-.374	.135	-.035	-1.149
30	2145	-.380	.120	-.009	-1.007
30	2146	-.392	.143	.040	-1.150
30	2147	-.369	.125	.151	-1.163
30	2148	-.363	.135	.201	-1.087
30	2149	-.346	.148	.202	-1.483

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
30	2150	-.344	.126	-.017	-1.496
30	2151	-.344	.130	-.006	-1.595
30	2152	-.354	.134	-.028	-1.295
30	2153	-.352	.140	.084	-1.341
30	2154	-.319	.117	.106	-1.013
30	2155	-.327	.131	.098	-1.014
30	2201	-.390	.096	-.035	-.782
30	2202	-.390	.094	-.022	-.754
30	2203	-.385	.098	-.035	-.910
30	2204	-.350	.096	.066	-.856
30	2205	-.285	.103	.108	-.639
30	2206	-.236	.097	.103	-.732
30	2207	-.252	.095	.087	-.577
30	2208	-.380	.092	-.057	-.719
30	2209	-.395	.087	-.110	-.709
30	2210	-.355	.090	-.035	-.774
30	2211	-.369	.100	-.041	-.731
30	2212	-.325	.099	.024	-.739
30	2213	-.293	.108	.084	-.771
30	2214	-.292	.106	.071	-.776
30	2215	-.401	.087	-.154	-.780
30	2216	-.387	.083	.026	-.747
30	2217	-.344	.082	.137	-.671
30	2218	-.300	.085	.127	-.623
30	2219	-.253	.084	.193	-.577
30	2220	-.188	.086	.195	-.651
30	2221	-.177	.093	.194	-.639
30	2222	-.386	.095	-.037	-.896
30	2223	-.370	.088	-.030	-.764
30	2224	-.322	.083	.219	-.716
30	2225	-.263	.078	.184	-.566
30	2226	-.207	.073	.166	-.472
30	2227	-.164	.078	.161	-.526
30	2228	-.170	.081	.217	-.641
30	2229	-.379	.101	.059	-.786
30	2230	-.357	.095	.077	-.739
30	2231	-.305	.089	.193	-.633
30	2232	-.254	.076	.183	-.502
30	2233	-.198	.062	.169	-.451
30	2234	-.169	.064	.145	-.445
30	2235	-.168	.069	.128	-.666
30	2236	-.378	.102	-.039	-.781
30	2237	-.356	.093	.102	-.759
30	2238	-.302	.083	.120	-.641
30	2239	-.244	.068	.126	-.533
30	2240	-.194	.060	.070	-.559
30	2241	-.167	.061	.074	-.496
30	2242	-.166	.067	.118	-.627
30	2243	-.382	.107	-.100	-.803
30	2244	-.361	.105	-.068	-.798

APPENDIX A -- PRESSURE DATA ; CONFIGURATION A : GATEWAY PROJECT TOWER

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
30	2245	-.307	.086	.157	-.671
30	2246	-.236	.067	.157	-.577
30	2247	-.185	.056	.030	-.419
30	2248	-.176	.063	.079	-.487
30	2249	-.172	.065	.132	-.496
30	2250	-.355	.111	-.017	-.912
30	2251	-.301	.097	.060	-.785
30	2252	-.192	.063	.058	-.470
30	2253	-.178	.061	.027	-.429
30	2254	-.352	.110	.056	-.962
30	2255	-.316	.108	.070	-.775
30	2256	-.317	.111	.132	-.820
30	2257	-.286	.105	.089	-.799
30	2258	-.223	.078	.040	-.538
30	2259	-.183	.055	.002	-.396
30	2260	-.164	.052	.009	-.354
30	2261	-.163	.052	.012	-.369
30	2301	-.214	.064	.030	-.413
30	2302	-.179	.061	.035	-.386
30	2303	-.164	.067	.089	-.608
30	2304	.184	.201	.947	-.504
30	2305	-.214	.091	.150	-.625
30	2306	-.266	.089	.026	-.715
30	2307	-.256	.082	.034	-.677
30	2308	-.572	.204	.049	-1.459
30	2309	-.717	.210	-.096	-1.958
30	2310	-.246	.081	.130	-.531
30	2311	-.201	.067	.072	-.429
30	2312	-.110	.062	.112	-.479
30	2313	.007	.155	.673	-.652
30	2314	-.144	.079	.234	-.488
30	2315	-.173	.071	.070	-.626
30	2316	-.186	.082	.224	-.639
30	2317	-.593	.216	.234	-1.261
30	2318	-.679	.221	.225	-1.545
30	2319	-.163	.078	.193	-.482
30	2320	-.132	.065	.130	-.583
30	2321	-.115	.078	.239	-.831
30	2322	.022	.175	.744	-.937
30	2323	-.172	.107	.107	-.780
30	2324	-.151	.115	.126	-.848
30	2325	-.173	.133	.129	-1.018
30	2326	-.579	.188	.033	-1.305
30	2327	-.573	.174	-.118	-1.485
30	2328	-.135	.064	.139	-.457
30	2329	-.122	.062	.091	-.470
30	2330	-.129	.092	.167	-.656
30	2331	-.089	.191	.467	-1.089
30	2332	-.196	.118	.040	-.771
30	2333	-.208	.140	.049	-.875

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
30	2334	-.240	.166	.099	-1.081
30	2335	-.522	.165	.056	-1.447
30	2336	-.511	.150	-.086	-1.188
30	2337	-.135	.057	.131	-.393
30	2338	-.123	.054	.124	-.371
30	2339	-.143	.087	.227	-.599
30	2340	-.092	.169	.496	-.862
30	2341	-.179	.111	.129	-.746
30	2342	-.193	.124	.101	-.962
30	2343	-.213	.147	.086	-.987
30	2344	-.495	.161	.033	-1.252
30	2345	-.485	.153	-.117	-1.432
30	2346	-.138	.051	.099	-.407
30	2347	-.128	.045	.034	-.366
30	2348	-.151	.074	.115	-.688
30	2349	-.065	.144	.567	-.673
30	2350	-.153	.089	.086	-.566
30	2351	-.163	.106	.105	-.893
30	2352	-.180	.122	.094	-.825
30	2353	-.467	.166	.018	-1.322
30	2354	-.456	.156	-.076	-1.241
30	2355	-.141	.051	.107	-.371
30	2356	-.123	.045	.070	-.364
30	2357	-.113	.062	.219	-.522
30	2358	-.051	.116	.596	-.655
30	2359	-.110	.079	.144	-.475
30	2360	-.118	.091	.188	-.658
30	2361	-.122	.091	.077	-.748
30	2362	-.353	.149	.056	-1.071
30	2363	-.385	.146	.024	-1.135
30	2364	-.125	.049	.041	-.302
30	2365	-.084	.049	.167	-.523
30	2366	-.014	.096	.425	-.593
30	2367	-.085	.084	.134	-.773
30	2368	-.283	.115	.005	-.853
30	2369	-.103	.041	.051	-.249
30	2370	-.072	.038	.109	-.200
30	2371	-.025	.053	.353	-.194
30	2372	.138	.140	.773	-.348
30	2373	-.020	.057	.219	-.315
30	2374	-.053	.062	.139	-.442
30	2375	-.033	.070	.171	-.413
30	2376	-.224	.144	.214	-.952
30	2377	-.251	.139	.158	-1.179
30	2401	-.140	.091	.236	-.456
30	2402	.024	.098	.399	-.291
30	2403	.094	.111	.698	-.317
30	2404	.154	.118	.612	-.215
30	2405	.206	.130	.684	-.231
30	2406	.287	.148	.782	-.155

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
30	2407	.314	.153	.838	-.221
30	2408	-.329	.138	.175	-.926
30	2409	.042	.102	.440	-.323
30	2410	.338	.135	.859	-.031
30	2411	.431	.154	.954	.005
30	2412	.513	.173	1.081	-.000
30	2413	.503	.173	1.049	-.020
30	2414	.383	.167	1.260	-.186
30	2415	-.137	.103	.250	-.541
30	2416	.052	.097	.479	-.230
30	2417	.317	.126	.774	-.059
30	2418	.445	.148	.917	.038
30	2419	.501	.166	1.011	.073
30	2420	.444	.165	.935	.014
30	2421	.357	.163	.902	-.084
30	2422	-.142	.083	.224	-.489
30	2423	.021	.084	.384	-.279
30	2424	.305	.121	.704	-.043
30	2425	.406	.150	.861	-.025
30	2426	.455	.163	.922	-.036
30	2427	.398	.165	.928	-.012
30	2428	.283	.152	.877	-.107
30	2429	-.144	.088	.202	-.454
30	2430	.018	.086	.419	-.227
30	2431	.254	.114	.816	-.011
30	2432	.362	.131	.865	.054
30	2433	.409	.143	.988	.024
30	2434	.358	.144	.872	-.107
30	2435	.255	.141	.839	-.179
30	2436	-.158	.081	.264	-.579
30	2437	.004	.078	.409	-.274
30	2438	.222	.101	.604	-.090
30	2439	.315	.124	.730	-.045
30	2440	.343	.124	.774	.025
30	2441	.285	.139	.900	-.110
30	2442	.187	.129	.808	-.139
30	2443	-.151	.084	.284	-.625
30	2444	.005	.076	.439	-.324
30	2445	.187	.091	.703	-.057
30	2446	.241	.099	.680	-.012
30	2447	.242	.106	.676	-.051
30	2448	.167	.108	.614	-.111
30	2449	.070	.103	.463	-.251
30	2450	-.106	.072	.309	-.398
30	2451	.167	.076	.524	-.035
30	2452	.227	.098	.750	-.008
30	2453	.127	.093	.597	-.159
30	2454	.027	.092	.534	-.276
30	2455	-.063	.071	.284	-.486
30	2456	.052	.063	.344	-.192

APPENDIX A -- PRESSURE DATA ;   CONFIGURATION A : GATEWAY PROJECT TOWERS

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
30	2457	.215	.092	.740	.010
30	2458	.305	.113	.841	.077
30	2459	.289	.114	.870	.061
30	2460	.166	.096	.714	-.076
30	2461	.051	.079	.373	-.189
30	2901	-.423	.081	-.170	-.793
30	2902	-.416	.081	-.137	-.776
30	2903	-.432	.102	-.126	-1.028
30	2904	-.438	.088	-.183	-.775
30	2905	-.430	.101	-.103	-.945
30	2906	-.458	.137	-.051	-1.243
30	2907	-.445	.104	-.055	-.952
30	2908	-.422	.118	-.039	-.888
30	2909	-.405	.143	.049	-1.206
30	2910	-.335	.117	-.017	-1.110
30	2911	-.319	.130	.064	-1.108
40	1101	-.255	.197	.620	-.946
40	1102	-.177	.222	.792	-1.042
40	1103	.013	.263	1.008	-1.111
40	1104	.154	.263	1.024	-.753
40	1105	.155	.208	.872	-.802
40	1106	.085	.160	.619	-.579
40	1107	-.325	.145	.432	-1.037
40	1108	-.255	.151	.606	-.767
40	1109	-.068	.223	1.044	-.849
40	1110	.080	.246	.970	-.587
40	1111	.105	.204	.745	-.498
40	1112	.045	.159	.650	-.572
40	1113	-.399	.122	.108	-1.086
40	1114	-.338	.123	.405	-.811
40	1115	-.187	.191	.890	-.720
40	1116	-.032	.252	.972	-.656
40	1117	.029	.229	.738	-.588
40	1118	-.021	.200	.606	-.744
40	1119	-.397	.111	.076	-.958
40	1120	-.333	.112	.217	-.793
40	1121	-.209	.165	.451	-.748
40	1122	-.100	.218	.693	-.809
40	1123	-.043	.214	.771	-.672
40	1124	-.070	.202	.588	-.926
40	1125	-.378	.109	.091	-.796
40	1126	-.321	.115	.265	-.721
40	1127	-.207	.176	.874	-.702
40	1128	-.091	.216	.906	-.720
40	1129	-.025	.212	.742	-.654
40	1130	-.046	.182	.667	-.640
40	1131	-.411	.125	.121	-.963
40	1132	-.336	.124	.303	-.825
40	1133	-.168	.179	.633	-.701
40	1134	-.031	.209	.760	-.672

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
40	1135	.001	.188	.715	-.596
40	1136	-.032	.154	.501	-.786
40	1137	-.329	.124	.268	-.855
40	1138	-.241	.120	.427	-.753
40	1139	-.079	.166	.719	-.655
40	1140	.017	.176	.792	-.583
40	1141	.020	.143	.531	-.766
40	1142	-.027	.129	.392	-.898
40	1143	-.252	.116	.187	-.758
40	1144	-.049	.162	.520	-.709
40	1145	.039	.158	.705	-.612
40	1146	-.041	.099	.333	-.524
40	1147	-.286	.109	.195	-.718
40	1148	-.174	.123	.278	-.599
40	1149	-.080	.142	.498	-.552
40	1150	-.094	.124	.427	-.512
40	1151	-.055	.171	.556	-.503
40	1152	-.073	.149	.473	-.610
40	1153	-.001	.151	.578	-.530
40	1154	-.012	.111	.423	-.626
40	1155	-.070	.088	.245	-.563
40	1201	-.254	.084	.030	-.618
40	1202	-.251	.083	.046	-.581
40	1203	-.258	.087	.044	-.665
40	1204	-.260	.086	.039	-.956
40	1205	-.263	.079	-.024	-1.046
40	1206	-.272	.078	-.015	-.824
40	1207	-.278	.082	.011	-.913
40	1208	-.255	.077	-.037	-.605
40	1209	-.264	.074	-.014	-.621
40	1210	-.269	.070	-.042	-.621
40	1211	-.273	.067	-.089	-.553
40	1212	-.275	.062	-.086	-.572
40	1213	-.274	.064	-.058	-.646
40	1214	-.266	.064	-.061	-.520
40	1215	-.271	.092	-.020	-1.150
40	1216	-.268	.085	-.022	-.777
40	1217	-.267	.070	-.049	-.593
40	1218	-.275	.063	-.085	-.581
40	1219	-.275	.057	-.093	-.557
40	1220	-.271	.058	-.086	-.609
40	1221	-.276	.062	-.078	-.642
40	1222	-.260	.102	.012	-1.683
40	1223	-.256	.092	.001	-1.438
40	1224	-.253	.072	-.046	-.749
40	1225	-.248	.061	-.081	-.662
40	1226	-.245	.050	-.078	-.512
40	1227	-.244	.050	-.031	-.553
40	1228	-.256	.053	-.072	-.492
40	1229	-.227	.084	.059	-.817

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
40	1230	-.229	.080	.063	-.772
40	1231	-.235	.070	.021	-.709
40	1232	-.238	.066	-.069	-.642
40	1233	-.226	.052	-.041	-.553
40	1234	-.229	.049	-.035	-.448
40	1235	-.238	.055	-.015	-.539
40	1236	-.218	.085	.050	-.978
40	1237	-.215	.079	.052	-.824
40	1238	-.226	.075	-.015	-.781
40	1239	-.228	.066	-.051	-.695
40	1240	-.208	.049	-.051	-.509
40	1241	-.210	.049	-.053	-.443
40	1242	-.224	.057	-.052	-.556
40	1243	-.202	.065	.010	-.509
40	1244	-.209	.072	.065	-.609
40	1245	-.220	.072	-.031	-.607
40	1246	-.225	.072	-.048	-.676
40	1247	-.217	.060	.001	-.582
40	1248	-.219	.058	-.018	-.508
40	1249	-.227	.065	-.004	-.582
40	1250	-.211	.069	.023	-.647
40	1251	-.223	.070	-.026	-.691
40	1252	-.224	.061	-.048	-.600
40	1253	-.236	.066	.064	-.541
40	1254	-.215	.082	.027	-.787
40	1255	-.216	.080	.058	-.636
40	1256	-.219	.066	-.039	-.584
40	1257	-.225	.059	-.065	-.543
40	1258	-.228	.051	-.084	-.503
40	1259	-.236	.052	-.088	-.539
40	1260	-.251	.064	-.065	-.628
40	1301	-.277	.084	.027	-.697
40	1302	-.274	.082	.041	-.723
40	1303	-.273	.088	.033	-.743
40	1304	-.269	.098	.118	-.812
40	1305	-.263	.096	.096	-.978
40	1306	-.272	.093	.078	-.774
40	1307	-.275	.102	.114	-.886
40	1308	-.295	.118	.100	-.985
40	1309	-.295	.119	.153	-1.485
40	1310	-.285	.076	-.043	-.790
40	1311	-.283	.075	-.015	-.754
40	1312	-.277	.082	.012	-.759
40	1313	-.267	.074	.034	-.565
40	1314	-.270	.081	.059	-.707
40	1315	-.273	.083	.016	-.894
40	1316	-.280	.090	.048	-.827
40	1317	-.302	.106	.091	-1.014
40	1318	-.294	.102	.282	-1.084
40	1319	-.289	.068	-.091	-.591

APPENDIX A -- PRESSURE DATA ; CONFIGURATION A : GATEWAY PROJECT TOWERS

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
40	1320	-.284	.063	-.075	-.585
40	1321	-.294	.066	-.059	-.569
40	1322	-.282	.065	-.017	-.503
40	1323	-.275	.065	-.029	-.513
40	1324	-.263	.063	-.034	-.526
40	1325	-.287	.073	-.015	-.572
40	1326	-.293	.071	.046	-.591
40	1327	-.308	.073	.022	-.720
40	1328	-.276	.063	-.090	-.721
40	1329	-.272	.055	-.108	-.527
40	1330	-.275	.052	-.074	-.478
40	1331	-.272	.057	-.020	-.532
40	1332	-.272	.057	-.002	-.541
40	1333	-.263	.060	-.035	-.516
40	1334	-.282	.066	.037	-.589
40	1335	-.278	.062	.097	-.638
40	1336	-.286	.062	.052	-.680
40	1337	-.263	.071	-.046	-.698
40	1338	-.254	.061	-.045	-.571
40	1339	-.245	.046	-.046	-.448
40	1340	-.249	.045	-.058	-.468
40	1341	-.251	.047	-.066	-.490
40	1342	-.227	.048	-.010	-.439
40	1343	-.271	.066	-.061	-.803
40	1344	-.266	.057	-.058	-.604
40	1345	-.271	.058	-.050	-.586
40	1346	-.269	.089	-.024	-1.032
40	1347	-.259	.085	-.014	-.943
40	1348	-.259	.069	.008	-.678
40	1349	-.263	.070	.011	-.687
40	1350	-.261	.071	.015	-.732
40	1351	-.231	.063	-.033	-.529
40	1352	-.262	.072	-.029	-.724
40	1353	-.260	.064	-.036	-.613
40	1354	-.265	.063	-.042	-.633
40	1355	-.262	.085	-.021	-.757
40	1356	-.253	.074	-.048	-.623
40	1357	-.262	.075	.006	-.783
40	1358	-.261	.072	-.051	-.654
40	1359	-.262	.073	-.016	-.634
40	1360	-.244	.073	-.004	-.636
40	1361	-.282	.095	.020	-.965
40	1362	-.283	.089	.040	-.977
40	1363	-.275	.084	.179	-.902
40	1364	-.254	.082	-.031	-.734
40	1365	-.252	.073	-.030	-.630
40	1366	-.245	.076	-.012	-.924
40	1367	-.262	.088	-.014	-.971
40	1368	-.283	.101	.115	-.956
40	1369	-.246	.067	-.036	-.617
40	1370	-.242	.063	-.019	-.617
40	1371	-.243	.071	.017	-.643
40	1372	-.238	.078	.095	-.771
40	1373	-.239	.075	.029	-.700
40	1374	-.244	.077	.052	-.837
40	1375	-.252	.091	.043	-1.147
40	1376	-.262	.113	.080	-1.270
40	1377	-.279	.137	.087	-1.434
40	1401	-.296	.221	.781	-1.334
40	1402	-.269	.221	.810	-1.098
40	1403	-.251	.235	.735	-1.142
40	1404	-.245	.229	.927	-1.332
40	1405	-.273	.184	.652	-1.154
40	1406	-.300	.173	.514	-1.191
40	1407	-.313	.193	.534	-1.275
40	1408	-.394	.173	.196	-1.405
40	1409	-.383	.149	.123	-1.157
40	1410	-.362	.121	.122	-.852
40	1411	-.339	.113	.055	-1.246
40	1412	-.347	.109	.053	-.784
40	1413	-.398	.150	.154	-1.144
40	1414	-.428	.186	.206	-1.288
40	1415	-.360	.110	-.106	-1.243
40	1416	-.351	.105	-.075	-1.432
40	1417	-.354	.090	-.120	-.843
40	1418	-.356	.088	-.059	-.887
40	1419	-.366	.093	-.042	-.886
40	1420	-.484	.189	-.044	-1.451
40	1421	-.510	.204	-.041	-1.618
40	1422	-.322	.092	-.122	-1.017
40	1423	-.313	.084	-.106	-.853
40	1424	-.328	.082	-.109	-1.195
40	1425	-.340	.080	-.085	-.858
40	1426	-.367	.097	-.088	-.902
40	1427	-.443	.155	-.044	-1.649
40	1428	-.462	.170	-.128	-1.732
40	1429	-.282	.071	-.120	-.796
40	1430	-.282	.070	-.088	-.777
40	1431	-.298	.068	-.051	-.576
40	1432	-.327	.069	-.159	-.727
40	1433	-.367	.091	-.127	-.831
40	1434	-.449	.157	-.155	-1.560
40	1435	-.464	.169	-.152	-1.850
40	1436	-.296	.086	-.113	-.848
40	1437	-.299	.083	-.120	-.919
40	1438	-.312	.078	-.142	-.615
40	1439	-.341	.074	-.100	-.697
40	1440	-.359	.096	-.042	-.805
40	1441	-.467	.179	-.130	-1.672
40	1442	-.487	.199	-.133	-1.582
40	1443	-.307	.098	-.063	-1.174
40	1444	-.320	.092	-.111	-.817
40	1445	-.318	.078	-.110	-.837
40	1446	-.329	.072	-.101	-.634
40	1447	-.351	.092	-.122	-.953
40	1448	-.458	.192	-.101	-1.689
40	1449	-.501	.225	-.128	-1.710
40	1450	-.321	.121	.049	-1.378
40	1451	-.275	.074	-.036	-.633
40	1452	-.326	.087	-.086	-.790
40	1453	-.515	.238	.004	-1.738
40	1454	-.234	.142	.473	-1.216
40	1455	-.276	.118	.231	-.911
40	1456	-.294	.087	-.023	-.777
40	1457	-.306	.080	-.059	-.892
40	1458	-.341	.098	-.091	-1.264
40	1459	-.423	.151	-.063	-1.174
40	1460	-.436	.157	-.133	-1.255
40	1461	-.147	.145	.543	-.644
40	1901	-.224	.133	.271	-.924
40	1902	-.183	.110	.412	-.552
40	1903	-.195	.124	.400	-.619
40	1904	-.204	.134	.316	-.715
40	1905	-.137	.147	.527	-.628
40	1906	-.116	.153	.527	-.718
40	1907	-.165	.150	.624	-.748
40	1908	-.093	.176	.781	-.745
40	1909	-.084	.157	.629	-.457
40	1910	-.187	.135	.397	-.718
40	1911	-.117	.117	.492	-.427
40	2101	-.370	.070	-.124	-.697
40	2102	-.383	.067	-.149	-.669
40	2103	-.395	.070	-.194	-.683
40	2104	-.412	.074	-.206	-.747
40	2105	-.424	.081	-.163	-.820
40	2106	-.429	.088	-.172	-.896
40	2107	-.433	.083	-.181	-.746
40	2108	-.379	.065	-.171	-.616
40	2109	-.377	.065	-.173	-.616
40	2110	-.402	.062	-.209	-.631
40	2111	-.425	.072	-.199	-.713
40	2112	-.433	.075	-.181	-.746
40	2113	-.353	.069	-.113	-.616
40	2114	-.356	.068	-.131	-.609
40	2115	-.372	.067	-.124	-.614
40	2116	-.388	.067	-.163	-.617
40	2117	-.414	.079	-.176	-.864
40	2118	-.432	.091	-.158	-.975
40	2119	-.327	.068	-.075	-.616
40	2120	-.331	.067	-.097	-.619

APPENDIX A -- PRESSURE DATA ;   CONFIGURATION A : GATEWAY PROJECT TOWERS

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
40	2121	-.336	.068	-.131	-.609
40	2122	-.356	.068	-.124	-.745
40	2123	-.385	.082	-.144	-.772
40	2124	-.406	.093	-.144	-.874
40	2125	-.326	.071	-.099	-.737
40	2126	-.328	.069	-.100	-.701
40	2127	-.347	.070	-.106	-.653
40	2128	-.370	.071	-.147	-.637
40	2129	-.401	.094	-.127	-.857
40	2130	-.419	.102	-.136	-.885
40	2131	-.335	.073	-.064	-.636
40	2132	-.337	.073	-.068	-.637
40	2133	-.361	.075	-.131	-.658
40	2134	-.377	.077	-.158	-.762
40	2135	-.404	.094	-.133	-1.035
40	2136	-.413	.097	-.140	-1.052
40	2137	-.346	.078	-.127	-1.067
40	2138	-.346	.076	-.131	-.636
40	2139	-.350	.078	-.157	-.784
40	2140	-.359	.081	-.122	-.696
40	2141	-.371	.094	-.148	-1.086
40	2142	-.371	.092	-.148	-1.019
40	2143	-.334	.074	-.131	-.669
40	2144	-.346	.084	-.126	-.878
40	2145	-.357	.085	-.115	-.960
40	2146	-.368	.097	-.097	-.999
40	2147	-.350	.088	-.111	-1.097
40	2148	-.356	.094	-.079	-.887
40	2149	-.354	.103	-.141	-1.554
40	2150	-.331	.087	-.104	-.793
40	2151	-.330	.089	-.095	-.841
40	2152	-.333	.091	-.117	-1.011
40	2153	-.342	.090	-.120	-1.039
40	2154	-.339	.086	-.128	-.821
40	2155	-.343	.091	-.108	-.946
40	2201	-.415	.084	-.146	-.735
40	2202	-.415	.084	-.131	-.721
40	2203	-.409	.090	-.117	-.843
40	2204	-.355	.084	-.032	-.658
40	2205	-.346	.091	-.040	-.770
40	2206	-.321	.083	-.022	-.701
40	2207	-.290	.079	-.010	-.631
40	2208	-.425	.078	-.161	-.722
40	2209	-.403	.077	-.161	-.724
40	2210	-.406	.076	-.149	-.728
40	2211	-.401	.085	-.150	-.723
40	2212	-.388	.086	-.096	-.687
40	2213	-.380	.093	-.038	-.743
40	2214	-.363	.103	-.034	-.815
40	2215	-.405	.077	-.120	-.687

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
40	2216	-.378	.083	.044	-.745
40	2217	-.351	.086	.017	-.625
40	2218	-.339	.082	.006	-.614
40	2219	-.328	.075	-.014	-.589
40	2220	-.323	.069	-.077	-.593
40	2221	-.320	.069	-.056	-.597
40	2222	-.369	.080	-.004	-.732
40	2223	-.351	.078	.042	-.694
40	2224	-.299	.076	.024	-.560
40	2225	-.287	.070	.034	-.560
40	2226	-.280	.067	.065	-.516
40	2227	-.271	.066	.014	-.496
40	2228	-.282	.060	-.062	-.531
40	2229	-.363	.085	-.061	-.702
40	2230	-.339	.082	-.035	-.641
40	2231	-.304	.074	.072	-.571
40	2232	-.286	.064	.000	-.466
40	2233	-.278	.057	-.016	-.467
40	2234	-.266	.056	-.008	-.471
40	2235	-.263	.057	-.004	-.469
40	2236	-.360	.079	-.084	-.749
40	2237	-.348	.077	-.078	-.697
40	2238	-.319	.074	.024	-.637
40	2239	-.299	.063	.005	-.540
40	2240	-.298	.066	-.007	-.548
40	2241	-.284	.062	-.063	-.527
40	2242	-.281	.063	-.035	-.539
40	2243	-.378	.086	-.021	-.879
40	2244	-.362	.077	-.103	-.680
40	2245	-.346	.071	-.136	-.607
40	2246	-.322	.066	-.140	-.619
40	2247	-.303	.063	-.079	-.647
40	2248	-.303	.067	-.105	-.572
40	2249	-.301	.066	-.101	-.597
40	2250	-.371	.085	-.140	-.855
40	2251	-.355	.077	-.139	-.668
40	2252	-.311	.068	-.072	-.634
40	2253	-.302	.067	-.106	-.650
40	2254	-.361	.080	-.099	-.737
40	2255	-.352	.076	-.123	-.710
40	2256	-.346	.083	-.072	-.706
40	2257	-.340	.078	-.086	-.632
40	2258	-.319	.070	-.074	-.596
40	2259	-.304	.066	-.104	-.596
40	2260	-.284	.062	-.117	-.560
40	2261	-.287	.061	-.121	-.562
40	2301	-.227	.058	-.013	-.437
40	2302	-.163	.061	.150	-.388
40	2303	-.105	.069	.250	-.377
40	2304	.315	.183	.903	-.345

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
40	2305	-.127	.094	.219	-.453
40	2306	-.185	.077	.114	-.554
40	2307	-.165	.081	.195	-.533
40	2308	-.326	.223	.344	-1.066
40	2309	-.522	.187	.244	-1.408
40	2310	-.285	.064	-.072	-.559
40	2311	-.183	.057	.082	-.430
40	2312	-.043	.063	.239	-.290
40	2313	.240	.190	1.019	-.282
40	2314	-.026	.088	.373	-.303
40	2315	-.065	.070	.309	-.352
40	2316	-.076	.074	.202	-.363
40	2317	-.347	.226	.259	-1.071
40	2318	-.443	.239	.228	-1.222
40	2319	-.256	.060	-.060	-.431
40	2320	-.182	.052	.051	-.384
40	2321	-.096	.059	.186	-.433
40	2322	.174	.149	.770	-.310
40	2323	-.061	.069	.253	-.464
40	2324	-.032	.072	.237	-.659
40	2325	-.034	.078	.225	-.733
40	2326	-.399	.240	.321	-1.299
40	2327	-.429	.205	.150	-1.210
40	2328	-.212	.052	-.025	-.413
40	2329	-.177	.048	.002	-.408
40	2330	-.118	.058	.131	-.559
40	2331	.094	.129	.698	-.538
40	2332	-.075	.065	.162	-.439
40	2333	-.077	.079	.136	-.622
40	2334	-.066	.086	.207	-.713
40	2335	-.404	.204	.370	-1.261
40	2336	-.418	.168	.103	-1.180
40	2337	-.209	.049	-.017	-.405
40	2338	-.173	.044	.006	-.350
40	2339	-.139	.056	.142	-.459
40	2340	.033	.131	.573	-.614
40	2341	-.108	.070	.133	-.538
40	2342	-.107	.069	.091	-.560
40	2343	-.113	.095	.151	-.666
40	2344	-.446	.179	.162	-1.220
40	2345	-.451	.167	.034	-1.182
40	2346	-.212	.047	-.045	-.383
40	2347	-.188	.045	-.048	-.373
40	2348	-.167	.062	.140	-.587
40	2349	-.005	.116	.607	-.459
40	2350	-.113	.064	.049	-.449
40	2351	-.112	.072	.105	-.501
40	2352	-.115	.083	.105	-.547
40	2353	-.436	.159	.063	-1.233
40	2354	-.412	.150	.185	-1.229

APPENDIX A -- PRESSURE DATA ; CONFIGURATION A : GATEWAY PROJECT TOWERS

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
40	2355	-.234	.051	-.051	-.452
40	2356	-.190	.044	-.043	-.404
40	2357	-.139	.050	.042	-.385
40	2358	-.028	.090	.366	-.485
40	2359	-.081	.061	.114	-.428
40	2360	-.080	.066	.133	-.488
40	2361	-.096	.076	.128	-.716
40	2362	-.325	.153	.123	-1.009
40	2363	-.367	.146	.086	-1.155
40	2364	-.234	.052	-.099	-.429
40	2365	-.116	.049	.082	-.355
40	2366	-.009	.088	.476	-.569
40	2367	-.062	.076	.140	-.625
40	2368	-.273	.123	.019	-.806
40	2369	-.181	.042	-.008	-.351
40	2370	-.124	.039	.126	-.273
40	2371	-.048	.052	.393	-.252
40	2372	.161	.132	.865	-.364
40	2373	-.007	.067	.385	-.417
40	2374	-.031	.070	.292	-.398
40	2375	-.010	.078	.254	-.380
40	2376	-.174	.148	.342	-.951
40	2377	-.223	.140	.212	-.903
40	2401	-.006	.112	.407	-.470
40	2402	.127	.117	.587	-.271
40	2403	.136	.121	.656	-.254
40	2404	.174	.124	.708	-.178
40	2405	.195	.130	.715	-.151
40	2406	.225	.137	.763	-.195
40	2407	.237	.138	.709	-.207
40	2408	-.108	.159	.479	-.642
40	2409	.208	.124	.642	-.137
40	2410	.431	.148	.899	-.037
40	2411	.492	.161	1.006	-.007
40	2412	.502	.178	1.201	.064
40	2413	.418	.169	1.066	-.005
40	2414	.292	.141	.736	-.154
40	2415	.030	.120	.412	-.435
40	2416	.196	.119	.617	-.181
40	2417	.406	.147	.925	.037
40	2418	.487	.159	1.071	.095
40	2419	.493	.166	1.169	.079
40	2420	.373	.155	.975	-.045
40	2421	.243	.139	.708	-.112
40	2422	-.016	.107	.399	-.417
40	2423	.133	.106	.582	-.258
40	2424	.379	.132	.925	.042
40	2425	.458	.147	.946	.079
40	2426	.469	.150	.899	.095
40	2427	.353	.139	.826	-.019

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
40	2428	.213	.123	.705	-.148
40	2429	-.071	.095	.287	-.408
40	2430	.084	.091	.494	-.249
40	2431	.300	.119	.762	-.005
40	2432	.387	.137	.883	.015
40	2433	.404	.152	.952	.060
40	2434	.301	.139	.928	-.027
40	2435	.175	.126	.762	-.168
40	2436	-.099	.089	.318	-.445
40	2437	.056	.086	.420	-.209
40	2438	.252	.106	.666	-.020
40	2439	.324	.124	.885	-.041
40	2440	.306	.126	.803	-.077
40	2441	.237	.128	.790	-.080
40	2442	.125	.111	.777	-.188
40	2443	-.110	.081	.336	-.473
40	2444	.031	.080	.509	-.300
40	2445	.192	.096	.687	-.037
40	2446	.256	.104	.656	-.020
40	2447	.249	.104	.685	-.032
40	2448	.154	.100	.659	-.124
40	2449	.047	.095	.484	-.217
40	2450	-.071	.073	.204	-.356
40	2451	.194	.085	.662	-.001
40	2452	.226	.093	.635	.002
40	2453	.110	.083	.459	-.146
40	2454	.019	.080	.502	-.276
40	2455	-.017	.073	.287	-.280
40	2456	.096	.070	.413	-.160
40	2457	.257	.097	.717	.009
40	2458	.342	.125	.890	.072
40	2459	.320	.119	.853	.081
40	2460	.178	.096	.592	-.049
40	2461	.058	.075	.446	-.176
40	2901	-.443	.078	-.167	-.728
40	2902	-.440	.078	-.126	-.771
40	2903	-.469	.101	-.115	-.969
40	2904	-.453	.082	-.187	-.823
40	2905	-.467	.097	-.169	-.920
40	2906	-.467	.117	-.148	-1.026
40	2907	-.455	.097	-.161	-.905
40	2908	-.423	.109	.225	-.885
40	2909	-.450	.126	-.032	-1.120
40	2910	-.341	.085	-.096	-.827
40	2911	-.344	.089	-.090	-.941
50	1101	-.365	.186	.331	-1.198
50	1102	-.332	.176	.325	-1.228
50	1103	-.228	.208	.620	-1.084
50	1104	-.091	.227	.765	-1.112
50	1105	-.009	.204	.740	-.764

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
50	1106	-.031	.181	.586	-.767
50	1107	-.412	.145	.025	-1.228
50	1108	-.381	.128	.154	-1.104
50	1109	-.279	.149	.659	-.841
50	1110	-.167	.181	.842	-.748
50	1111	-.073	.184	.659	-.709
50	1112	-.089	.169	.699	-.672
50	1113	-.433	.102	-.034	-1.435
50	1114	-.420	.101	-.003	-1.423
50	1115	-.364	.122	.483	-.878
50	1116	-.289	.166	.636	-.756
50	1117	-.210	.208	.727	-1.072
50	1118	-.224	.223	.610	-1.241
50	1119	-.423	.099	-.098	-.964
50	1120	-.393	.097	-.100	-.786
50	1121	-.353	.110	.339	-.816
50	1122	-.309	.138	.567	-.859
50	1123	-.276	.187	.915	-.937
50	1124	-.298	.215	.515	-1.648
50	1125	-.411	.100	-.116	-.850
50	1126	-.393	.097	-.048	-.743
50	1127	-.359	.119	.321	-.825
50	1128	-.301	.149	.499	-.898
50	1129	-.253	.185	.476	-1.111
50	1130	-.258	.198	.432	-1.265
50	1131	-.417	.107	-.123	-.881
50	1132	-.398	.099	.036	-.807
50	1133	-.352	.122	.285	-.829
50	1134	-.258	.156	.510	-.787
50	1135	-.172	.202	.553	-1.037
50	1136	-.180	.199	.439	-1.316
50	1137	-.388	.112	-.003	-1.030
50	1138	-.353	.099	.166	-.880
50	1139	-.247	.138	.442	-.819
50	1140	-.128	.174	.583	-.790
50	1141	-.049	.169	.599	-.603
50	1142	-.082	.147	.478	-1.000
50	1143	-.314	.107	.100	-1.004
50	1144	-.151	.176	.528	-.854
50	1145	-.032	.178	.537	-.873
50	1146	-.039	.131	.459	-.899
50	1147	-.336	.101	.036	-.798
50	1148	-.297	.113	.109	-.706
50	1149	-.222	.138	.351	-.765
50	1150	-.202	.116	.368	-.583
50	1151	-.155	.174	.610	-.697
50	1152	-.180	.121	.308	-.592
50	1153	-.078	.153	.510	-.682
50	1154	-.051	.103	.319	-.632
50	1155	-.090	.105	.222	-1.022

APPENDIX A -- PRESSURE DATA ; CONFIGURATION A : GATEWAY PROJECT TOWERS

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
50	1201	-.231	.103	.110	-.788
50	1202	-.229	.095	.061	-.751
50	1203	-.229	.091	.022	-.821
50	1204	-.225	.081	.022	-.813
50	1205	-.227	.083	.121	-.742
50	1206	-.245	.097	.051	-.801
50	1207	-.257	.107	.064	-1.003
50	1208	-.242	.111	.097	-1.036
50	1209	-.241	.099	.128	-.770
50	1210	-.239	.087	-.001	-.647
50	1211	-.233	.070	-.056	-.564
50	1212	-.235	.065	-.050	-.589
50	1213	-.255	.088	-.017	-.712
50	1214	-.256	.099	-.002	-1.004
50	1215	-.267	.151	.145	-1.568
50	1216	-.264	.143	.079	-1.212
50	1217	-.246	.102	.015	-.814
50	1218	-.236	.071	-.072	-.614
50	1219	-.233	.060	-.060	-.544
50	1220	-.246	.081	.022	-.612
50	1221	-.262	.093	.047	-.675
50	1222	-.260	.128	.077	-1.576
50	1223	-.240	.112	.067	-1.109
50	1224	-.225	.091	.006	-.775
50	1225	-.213	.067	-.041	-.665
50	1226	-.209	.053	-.028	-.423
50	1227	-.228	.072	.029	-.555
50	1228	-.261	.098	.039	-.684
50	1229	-.248	.112	.162	-.793
50	1230	-.235	.107	.174	-.826
50	1231	-.220	.092	.090	-.586
50	1232	-.207	.074	-.014	-.699
50	1233	-.197	.053	.041	-.519
50	1234	-.226	.075	-.023	-.584
50	1235	-.248	.093	.016	-.669
50	1236	-.233	.114	.111	-1.369
50	1237	-.215	.105	.105	-.743
50	1238	-.209	.099	.040	-.869
50	1239	-.195	.070	-.003	-.662
50	1240	-.191	.052	-.007	-.390
50	1241	-.217	.072	.003	-.524
50	1242	-.244	.093	.016	-.611
50	1243	-.191	.093	.157	-.586
50	1244	-.190	.091	.067	-.642
50	1245	-.196	.091	.013	-.643
50	1246	-.187	.068	-.030	-.582
50	1247	-.188	.056	-.012	-.512
50	1248	-.217	.075	.008	-.507
50	1249	-.237	.095	.055	-.733
50	1250	-.187	.095	.133	-.840

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
50	1251	-.194	.091	.041	-.863
50	1252	-.189	.054	.008	-.454
50	1253	-.222	.082	.008	-.651
50	1254	-.197	.111	.043	-1.217
50	1255	-.196	.112	.041	-1.303
50	1256	-.185	.085	.049	-.629
50	1257	-.182	.065	-.009	-.559
50	1258	-.185	.054	.025	-.464
50	1259	-.202	.068	.062	-.618
50	1260	-.227	.088	-.004	-.782
50	1301	-.275	.142	.058	-1.384
50	1302	-.268	.132	.104	-1.036
50	1303	-.270	.136	.198	-1.134
50	1304	-.279	.165	.266	-1.168
50	1305	-.276	.167	.344	-1.703
50	1306	-.287	.158	.271	-1.263
50	1307	-.301	.171	.231	-1.548
50	1308	-.325	.175	.322	-1.360
50	1309	-.361	.193	.201	-1.309
50	1310	-.266	.113	-.004	-.917
50	1311	-.260	.114	.013	-.994
50	1312	-.257	.125	.085	-1.090
50	1313	-.254	.133	.328	-.936
50	1314	-.253	.132	.262	-.755
50	1315	-.261	.134	.224	-.885
50	1316	-.276	.147	.275	-.912
50	1317	-.306	.158	.250	-1.593
50	1318	-.333	.175	.343	-1.265
50	1319	-.283	.120	.037	-1.022
50	1320	-.275	.111	.033	-.842
50	1321	-.268	.115	.086	-.977
50	1322	-.266	.132	.154	-.801
50	1323	-.267	.132	.187	-.885
50	1324	-.270	.128	.120	-.840
50	1325	-.292	.153	.169	-.939
50	1326	-.320	.174	.291	-1.266
50	1327	-.344	.183	.398	-1.422
50	1328	-.298	.133	.065	-.969
50	1329	-.286	.123	.090	-1.199
50	1330	-.277	.125	.094	-.803
50	1331	-.271	.134	.185	-1.173
50	1332	-.268	.129	.165	-.932
50	1333	-.261	.119	.095	-.911
50	1334	-.296	.163	.177	-1.048
50	1335	-.316	.171	.307	-1.118
50	1336	-.337	.170	.314	-1.123
50	1337	-.302	.149	.016	-.971
50	1338	-.282	.132	.032	-.877
50	1339	-.271	.121	.096	-.771
50	1340	-.275	.130	.135	-.790

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
50	1341	-.274	.131	.217	-.801
50	1342	-.258	.127	.168	-.815
50	1343	-.297	.146	.225	-1.013
50	1344	-.302	.142	.411	-1.157
50	1345	-.321	.143	.469	-1.158
50	1346	-.287	.129	.045	-.933
50	1347	-.278	.130	.040	-1.004
50	1348	-.273	.126	.103	-.970
50	1349	-.280	.139	.105	-1.149
50	1350	-.275	.134	.172	-.947
50	1351	-.261	.125	.091	-1.179
50	1352	-.302	.157	.158	-1.101
50	1353	-.310	.155	.269	-1.310
50	1354	-.326	.152	.395	-1.246
50	1355	-.281	.139	.023	-1.099
50	1356	-.269	.127	.011	-1.028
50	1357	-.260	.118	.068	-.791
50	1358	-.282	.149	.207	-.917
50	1359	-.273	.139	.186	-.828
50	1360	-.278	.154	.098	-1.072
50	1361	-.313	.181	.184	-1.331
50	1362	-.332	.193	.294	-1.756
50	1363	-.352	.200	.344	-1.572
50	1364	-.254	.121	.019	-.874
50	1365	-.255	.122	.059	-1.047
50	1366	-.265	.142	.089	-1.183
50	1367	-.287	.170	.239	-1.506
50	1368	-.363	.251	.376	-2.128
50	1369	-.227	.099	.059	-.868
50	1370	-.221	.097	.087	-.795
50	1371	-.228	.103	.098	-.728
50	1372	-.219	.134	.444	-.772
50	1373	-.227	.122	.400	-.687
50	1374	-.239	.117	.200	-.748
50	1375	-.249	.156	.122	-1.189
50	1376	-.293	.240	.277	-1.819
50	1377	-.345	.295	.250	-2.270
50	1401	-.170	.247	.868	-1.011
50	1402	-.192	.229	.772	-1.080
50	1403	-.244	.240	.966	-1.094
50	1404	-.178	.296	.882	-1.180
50	1405	-.203	.261	.910	-1.069
50	1406	-.305	.209	.545	-1.290
50	1407	-.357	.188	.428	-1.476
50	1408	-.380	.220	.482	-1.566
50	1409	-.403	.177	.352	-1.165
50	1410	-.399	.117	.068	-.922
50	1411	-.406	.126	.196	-.863
50	1412	-.415	.122	.044	-1.152
50	1413	-.416	.123	-.037	-1.187

APPENDIX A -- PRESSURE DATA ; CONFIGURATION A : GATEWAY PROJECT TOWERS

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
50	1414	-.430	.140	-.012	-1.239	50	1903	-.158	.127	.359	-.632	50	2142	-.436	.099	-.145	-1.581
50	1415	-.481	.213	.529	-1.585	50	1904	-.071	.130	.526	-.523	50	2143	-.396	.089	-.192	-.791
50	1416	-.479	.181	.330	-1.696	50	1905	-.047	.161	.605	-.570	50	2144	-.405	.087	-.152	-.821
50	1417	-.467	.117	-.087	-1.038	50	1906	-.051	.155	.542	-.536	50	2145	-.407	.091	-.153	-.941
50	1418	-.464	.107	-.171	-1.076	50	1907	-.014	.150	.761	-.514	50	2146	-.418	.100	-.150	-1.288
50	1419	-.462	.106	-.106	-1.220	50	1908	.019	.169	.881	-.444	50	2147	-.398	.092	-.160	-.983
50	1420	-.456	.125	-.031	-1.228	50	1909	.037	.177	.725	-.429	50	2148	-.405	.095	-.166	-1.048
50	1421	-.454	.128	-.044	-1.397	50	1910	-.288	.111	.100	-.760	50	2149	-.404	.096	-.188	-1.009
50	1422	-.481	.210	.340	-1.898	50	1911	-.221	.107	.208	-.792	50	2150	-.363	.092	-.055	-.744
50	1423	-.448	.161	.254	-1.714	50	2101	-.427	.071	-.132	-.669	50	2151	-.360	.094	-.050	-.747
50	1424	-.451	.117	-.119	-1.069	50	2102	-.438	.080	-.160	-.723	50	2152	-.375	.089	-.130	-.722
50	1425	-.443	.106	-.117	-1.094	50	2103	-.469	.071	-.209	-.731	50	2153	-.384	.084	-.151	-.843
50	1426	-.433	.111	-.107	-1.168	50	2104	-.487	.077	-.200	-.864	50	2154	-.395	.083	-.101	-.824
50	1427	-.434	.122	-.049	-1.157	50	2105	-.500	.082	-.208	-.812	50	2155	-.383	.087	-.085	-.884
50	1428	-.439	.113	-.136	-1.513	50	2106	-.503	.087	-.224	-.958	50	2201	-.511	.086	-.242	-.861
50	1429	-.441	.170	.151	-1.789	50	2107	-.495	.088	-.229	-.850	50	2202	-.513	.086	-.223	-.854
50	1430	-.438	.145	.032	-1.349	50	2108	-.439	.074	-.151	-.707	50	2203	-.498	.090	-.224	-.826
50	1431	-.433	.106	-.146	-.976	50	2109	-.467	.077	-.235	-.759	50	2204	-.446	.086	-.170	-.733
50	1432	-.438	.095	-.180	-1.179	50	2110	-.474	.075	-.249	-.766	50	2205	-.448	.090	-.191	-.758
50	1433	-.440	.101	-.115	-1.276	50	2111	-.504	.087	-.275	-.901	50	2206	-.432	.085	-.179	-.776
50	1434	-.452	.106	-.132	-1.085	50	2112	-.512	.089	-.272	-.891	50	2207	-.427	.089	-.158	-.762
50	1435	-.459	.108	-.157	-1.114	50	2113	-.416	.080	-.165	-.660	50	2208	-.495	.082	-.268	-.881
50	1436	-.442	.166	.259	-1.808	50	2114	-.418	.078	-.174	-.659	50	2209	-.509	.094	-.241	-.900
50	1437	-.430	.140	.070	-1.473	50	2115	-.439	.079	-.187	-.703	50	2210	-.484	.080	-.238	-.801
50	1438	-.427	.109	-.134	-.972	50	2116	-.456	.080	-.206	-.769	50	2211	-.508	.092	-.186	-.855
50	1439	-.415	.087	-.174	-.882	50	2117	-.481	.087	-.228	-.815	50	2212	-.496	.095	-.172	-.921
50	1440	-.425	.100	-.192	-1.284	50	2118	-.493	.092	-.223	-1.048	50	2213	-.509	.105	-.198	-.995
50	1441	-.465	.135	-.153	-1.301	50	2119	-.377	.079	-.061	-.669	50	2214	-.513	.102	-.229	-.863
50	1442	-.480	.146	-.127	-1.379	50	2120	-.382	.077	-.089	-.668	50	2215	-.447	.089	-.124	-.759
50	1443	-.410	.174	.202	-2.401	50	2121	-.393	.071	-.202	-.658	50	2216	-.440	.087	-.123	-.743
50	1444	-.407	.147	.170	-1.514	50	2122	-.410	.072	-.169	-.742	50	2217	-.436	.086	-.142	-.761
50	1445	-.400	.104	-.140	-1.026	50	2123	-.418	.086	-.145	-.870	50	2218	-.446	.085	-.018	-.833
50	1446	-.395	.091	-.132	-.902	50	2124	-.435	.099	-.119	-.864	50	2219	-.448	.082	-.202	-.793
50	1447	-.403	.101	-.084	-1.261	50	2125	-.342	.073	.010	-.609	50	2220	-.447	.084	-.174	-.793
50	1448	-.456	.165	-.113	-1.524	50	2126	-.346	.071	-.017	-.601	50	2221	-.442	.083	-.150	-.773
50	1449	-.478	.199	-.046	-1.714	50	2127	-.366	.070	-.156	-.621	50	2222	-.393	.093	-.025	-.939
50	1450	-.357	.209	.371	-1.775	50	2128	-.383	.071	-.152	-.630	50	2223	-.383	.091	-.027	-.897
50	1451	-.384	.106	-.091	-1.137	50	2129	-.395	.093	-.085	-.917	50	2224	-.366	.085	-.038	-.798
50	1452	-.382	.101	.044	-.985	50	2130	-.412	.110	-.111	-1.392	50	2225	-.389	.079	-.068	-.766
50	1453	-.473	.210	-.046	-1.745	50	2131	-.358	.080	-.147	-.678	50	2226	-.400	.079	-.171	-.804
50	1454	-.225	.248	.763	-2.016	50	2132	-.361	.079	-.157	-.681	50	2227	-.386	.079	-.117	-.837
50	1455	-.281	.184	.410	-1.294	50	2133	-.401	.075	-.172	-.632	50	2228	-.372	.079	-.085	-.691
50	1456	-.398	.110	-.051	-1.198	50	2134	-.418	.076	-.206	-.725	50	2229	-.362	.086	.006	-.874
50	1457	-.400	.101	-.075	-1.078	50	2135	-.439	.094	-.191	-1.229	50	2230	-.349	.086	.058	-.734
50	1458	-.406	.101	-.146	-1.017	50	2136	-.451	.103	-.175	-1.147	50	2231	-.345	.078	-.007	-.639
50	1459	-.424	.138	-.067	-1.174	50	2137	-.382	.079	-.177	-.674	50	2232	-.373	.078	-.135	-.645
50	1460	-.427	.135	-.051	-1.072	50	2138	-.385	.077	-.184	-.674	50	2233	-.382	.074	-.167	-.649
50	1461	-.248	.124	.255	-.765	50	2139	-.393	.080	-.184	-.855	50	2234	-.371	.078	-.128	-.657
50	1901	-.134	.112	.332	-.683	50	2140	-.404	.083	-.204	-.812	50	2235	-.364	.079	-.112	-.644
50	1902	-.140	.114	.281	-.570	50	2141	-.430	.095	-.158	-1.219	50	2236	-.403	.096	-.083	-.910

APPENDIX A -- PRESSURE DATA ;   CONFIGURATION A : GATEWAY PROJECT TOWERS

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
50	2237	-.396	.094	-.068	-.822
50	2238	-.386	.088	.040	-.786
50	2239	-.385	.080	-.140	-.694
50	2240	-.381	.080	-.166	-.829
50	2241	-.371	.079	-.137	-.736
50	2242	-.366	.081	-.126	-.716
50	2243	-.418	.087	-.138	-.911
50	2244	-.420	.087	-.076	-.869
50	2245	-.411	.080	-.180	-.800
50	2246	-.403	.078	-.176	-.723
50	2247	-.396	.080	-.161	-.768
50	2248	-.383	.076	-.135	-.705
50	2249	-.382	.075	-.189	-.701
50	2250	-.413	.081	-.162	-.991
50	2251	-.400	.073	-.145	-.699
50	2252	-.392	.084	-.131	-.803
50	2253	-.387	.085	-.182	-.800
50	2254	-.402	.082	-.079	-.815
50	2255	-.396	.080	-.094	-.745
50	2256	-.404	.082	-.038	-.700
50	2257	-.400	.077	-.063	-.704
50	2258	-.395	.074	-.189	-.691
50	2259	-.390	.078	-.156	-.731
50	2260	-.390	.088	-.181	-.793
50	2261	-.391	.087	-.182	-.783
50	2301	-.235	.067	.071	-.483
50	2302	-.129	.080	.248	-.541
50	2303	-.024	.100	.391	-.374
50	2304	.349	.182	.961	-.392
50	2305	-.047	.110	.437	-.403
50	2306	-.119	.088	.246	-.439
50	2307	-.073	.091	.305	-.393
50	2308	-.001	.158	.431	-.894
50	2309	-.210	.215	.477	-.930
50	2310	-.297	.070	.005	-.533
50	2311	-.155	.072	.120	-.462
50	2312	.034	.085	.458	-.306
50	2313	.439	.207	1.172	-.160
50	2314	.116	.117	.612	-.259
50	2315	.059	.093	.384	-.260
50	2316	.056	.097	.415	-.290
50	2317	.017	.198	.609	-.776
50	2318	-.056	.217	.646	-.955
50	2319	-.289	.072	.065	-.563
50	2320	-.181	.068	.258	-.409
50	2321	-.029	.080	.444	-.298
50	2322	.306	.163	1.004	-.205
50	2323	.046	.085	.458	-.234
50	2324	.077	.091	.542	-.148
50	2325	.081	.092	.559	- 182

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
50	2326	-.085	.244	.649	-1.021
50	2327	-.161	.212	.678	-1.020
50	2328	-.264	.059	.002	-.481
50	2329	-.196	.059	.110	-.407
50	2330	-.090	.068	.325	-.332
50	2331	.180	.130	.791	-.186
50	2332	-.011	.065	.301	-.232
50	2333	.002	.075	.340	-.317
50	2334	.017	.073	.367	-.244
50	2335	-.207	.208	.515	-.905
50	2336	-.252	.168	.529	-.910
50	2337	-.278	.060	.041	-.506
50	2338	-.217	.054	.145	-.400
50	2339	-.138	.062	.144	-.382
50	2340	.101	.115	.680	-.218
50	2341	-.056	.059	.281	-.327
50	2342	-.050	.062	.280	-.318
50	2343	-.037	.068	.320	-.411
50	2344	-.304	.186	.407	-.938
50	2345	-.324	.147	.220	-.983
50	2346	-.274	.061	-.076	-.506
50	2347	-.226	.048	-.069	-.440
50	2348	-.172	.058	.029	-.407
50	2349	.037	.096	.557	-.247
50	2350	-.074	.051	.102	-.358
50	2351	-.064	.053	.133	-.528
50	2352	-.061	.057	.146	-.493
50	2353	-.341	.164	.128	-1.019
50	2354	-.372	.150	.130	-1.071
50	2355	-.304	.065	-.089	-.578
50	2356	-.233	.055	-.008	-.456
50	2357	-.142	.054	.080	-.344
50	2358	-.000	.081	.393	-.385
50	2359	-.038	.051	.153	-.334
50	2360	-.035	.052	.174	-.325
50	2361	-.046	.054	.179	-.356
50	2362	-.245	.137	.208	-.724
50	2363	-.300	.129	.210	-.866
50	2364	-.282	.060	-.121	-.520
50	2365	-.116	.051	.062	-.370
50	2366	.017	.082	.406	-.336
50	2367	-.009	.058	.211	-.314
50	2368	-.218	.121	.120	-1.055
50	2369	-.227	.052	-.061	-.491
50	2370	-.152	.045	.027	-.330
50	2371	-.049	.053	.286	-.238
50	2372	.182	.129	.712	-.274
50	2373	.029	.063	.356	-.165
50	2374	.010	.063	.283	-.327
50	2375	.038	.068	.331	-.233

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
50	2376	-.082	.139	.360	-.810
50	2377	-.139	.131	.271	-.743
50	2401	.103	.138	.676	-.302
50	2402	.191	.140	.736	-.197
50	2403	.168	.126	.583	-.273
50	2404	.187	.127	.645	-.305
50	2405	.183	.130	.654	-.363
50	2406	.173	.132	.689	-.258
50	2407	.128	.131	.664	-.258
50	2408	.160	.173	.699	-.530
50	2409	.354	.152	.828	-.119
50	2410	.473	.159	1.049	.021
50	2411	.488	.159	1.100	.071
50	2412	.481	.172	1.101	.031
50	2413	.332	.148	1.021	-.139
50	2414	.174	.120	.645	-.168
50	2415	.220	.150	.846	-.222
50	2416	.350	.136	.910	-.007
50	2417	.504	.159	1.205	.051
50	2418	.539	.164	1.177	.092
50	2419	.497	.163	1.081	.087
50	2420	.311	.136	.761	-.059
50	2421	.139	.121	.704	-.194
50	2422	.119	.125	.597	-.247
50	2423	.250	.131	.686	-.100
50	2424	.450	.153	.932	.068
50	2425	.484	.146	.966	.093
50	2426	.448	.141	.975	.068
50	2427	.289	.125	.806	-.129
50	2428	.120	.108	.590	-.221
50	2429	.035	.100	.406	-.330
50	2430	.171	.104	.581	-.115
50	2431	.355	.130	.838	-.014
50	2432	.412	.140	.904	-.004
50	2433	.410	.133	.910	.007
50	2434	.265	.119	.701	-.076
50	2435	.113	.108	.569	-.190
50	2436	-.027	.091	.382	-.352
50	2437	.107	.095	.485	-.175
50	2438	.275	.116	.730	-.050
50	2439	.326	.125	.852	.011
50	2440	.326	.126	.865	.016
50	2441	.189	.113	.777	-.087
50	2442	.061	.099	.492	-.206
50	2443	-.055	.076	.270	-.330
50	2444	.068	.076	.411	-.195
50	2445	.201	.095	.685	-.037
50	2446	.275	.107	.702	-.032
50	2447	.252	.102	.679	-.050
50	2448	.129	.093	.549	-.158

APPENDIX A -- PRESSURE DATA ; CONFIGURATION A : GATEWAY PROJECT TOWERS

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
50	2449	.001	.088	.412	-.303
50	2450	-.027	.068	.269	-.323
50	2451	.226	.092	.694	-.038
50	2452	.236	.102	.725	-.025
50	2453	.091	.087	.485	-.237
50	2454	-.028	.082	.379	-.338
50	2455	.037	.082	.407	-.303
50	2456	.147	.085	.565	-.079
50	2457	.301	.118	.826	.030
50	2458	.357	.123	.889	.083
50	2459	.319	.116	.818	.065
50	2460	.161	.087	.660	-.040
50	2461	.027	.067	.405	-.161
50	2901	-.525	.084	-.214	-.896
50	2902	-.522	.080	-.237	-.866
50	2903	-.542	.095	-.246	-1.009
50	2904	-.557	.088	-.280	-.965
50	2905	-.564	.104	-.249	-.941
50	2906	-.561	.112	-.223	-1.019
50	2907	-.551	.104	-.224	-.983
50	2908	-.508	.115	-.083	-.983
50	2909	-.562	.117	-.198	-1.146
50	2910	-.405	.093	-.175	-.842
50	2911	-.398	.083	-.155	-.832
60	1101	-.384	.224	.446	-1.355
60	1102	-.332	.187	.327	-1.104
60	1103	-.269	.196	.597	-1.241
60	1104	-.222	.198	.669	-1.104
60	1105	-.173	.177	.497	-.955
60	1106	-.171	.158	.484	-.935
60	1107	-.508	.220	.272	-1.380
60	1108	-.444	.175	.329	-1.298
60	1109	-.323	.133	.434	-.938
60	1110	-.259	.138	.492	-.756
60	1111	-.186	.150	.635	-1.074
60	1112	-.191	.152	.508	-1.542
60	1113	-.432	.132	-.020	-1.062
60	1114	-.417	.120	-.035	-1.075
60	1115	-.368	.105	.165	-1.008
60	1116	-.322	.120	.382	-.884
60	1117	-.304	.161	.952	-1.074
60	1118	-.320	.191	.629	-1.464
60	1119	-.353	.111	-.082	-1.027
60	1120	-.358	.109	-.039	-1.195
60	1121	-.348	.103	-.007	-.933
60	1122	-.334	.120	.261	-1.028
60	1123	-.337	.163	.337	-1.229
60	1124	-.327	.159	.216	-1.409
60	1125	-.350	.103	-.047	-.979
60	1126	-.343	.095	-.074	-.824
60	1127	-.330	.101	-.030	-.720
60	1128	-.309	.116	.129	-.858
60	1129	-.309	.151	.362	-1.017
60	1130	-.322	.166	.332	-1.324
60	1131	-.349	.098	-.066	-.829
60	1132	-.346	.095	-.082	-.739
60	1133	-.344	.107	.179	-.759
60	1134	-.304	.116	.319	-.691
60	1135	-.256	.147	.408	-.902
60	1136	-.276	.174	.356	-1.282
60	1137	-.336	.102	-.034	-.843
60	1138	-.318	.097	.029	-.856
60	1139	-.284	.120	.243	-.939
60	1140	-.208	.136	.489	-.767
60	1141	-.137	.139	.764	-.749
60	1142	-.135	.140	.422	-.904
60	1143	-.295	.100	.074	-.973
60	1144	-.204	.135	.372	-.902
60	1145	-.120	.139	.536	-.786
60	1146	-.088	.141	.453	-1.266
60	1147	-.304	.097	.112	-.814
60	1148	-.282	.098	.089	-.899
60	1149	-.238	.121	.204	-.876
60	1150	-.223	.095	.299	-.744
60	1151	-.208	.125	.417	-.682
60	1152	-.220	.102	.173	-.720
60	1153	-.143	.121	.425	-.628
60	1154	-.115	.102	.249	-.829
60	1155	-.134	.104	.161	-1.171
60	1201	-.236	.111	.040	-.850
60	1202	-.224	.100	.016	-.677
60	1203	-.206	.084	-.007	-.728
60	1204	-.198	.076	.008	-.717
60	1205	-.217	.098	.046	-.825
60	1206	-.240	.116	.092	-.973
60	1207	-.252	.126	.079	-1.074
60	1208	-.251	.123	.069	-1.018
60	1209	-.244	.114	.051	-1.105
60	1210	-.222	.080	.006	-.836
60	1211	-.210	.065	-.016	-.596
60	1212	-.216	.075	.015	-.561
60	1213	-.243	.102	.041	-.749
60	1214	-.245	.108	.033	-.883
60	1215	-.257	.126	.039	-1.120
60	1216	-.234	.110	.074	-1.453
60	1217	-.213	.067	-.048	-.819
60	1218	-.211	.056	-.044	-.637
60	1219	-.219	.073	-.024	-.674
60	1220	-.239	.097	.084	-.856
60	1221	-.252	.105	.113	-.788
60	1222	-.246	.094	.041	-1.237
60	1223	-.220	.079	.032	-1.190
60	1224	-.196	.058	-.044	-.613
60	1225	-.200	.055	-.020	-.605
60	1226	-.217	.075	.015	-.620
60	1227	-.232	.094	.061	-.628
60	1228	-.249	.106	.078	-.655
60	1229	-.228	.090	.108	-.865
60	1230	-.209	.078	.054	-.714
60	1231	-.189	.057	-.026	-.599
60	1232	-.182	.044	-.033	-.409
60	1233	-.195	.059	.001	-.488
60	1234	-.220	.082	.085	-.732
60	1235	-.231	.093	.101	-.663
60	1236	-.239	.096	.109	-.788
60	1237	-.208	.081	.091	-.961
60	1238	-.188	.063	-.009	-.585
60	1239	-.183	.045	-.022	-.419
60	1240	-.193	.053	-.007	-.447
60	1241	-.212	.070	.042	-.627
60	1242	-.227	.081	.047	-.687
60	1243	-.189	.076	.017	-.796
60	1244	-.181	.072	.065	-.540
60	1245	-.170	.057	-.007	-.507
60	1246	-.167	.043	-.020	-.335
60	1247	-.182	.050	-.040	-.467
60	1248	-.206	.067	-.021	-.632
60	1249	-.211	.071	-.017	-.593
60	1250	-.176	.075	.065	-.714
60	1251	-.171	.062	.010	-.492
60	1252	-.184	.055	-.040	-.466
60	1253	-.206	.070	-.002	-.505
60	1254	-.179	.088	.101	-1.201
60	1255	-.176	.086	.085	-1.170
60	1256	-.163	.058	.021	-.457
60	1257	-.160	.041	.003	-.399
60	1258	-.171	.044	-.029	-.493
60	1259	-.187	.058	.003	-.535
60	1260	-.200	.069	.090	-.776
60	1301	-.277	.152	.126	-1.508
60	1302	-.272	.148	.127	-1.598
60	1303	-.298	.158	.266	-1.270
60	1304	-.315	.156	.146	-1.005
60	1305	-.320	.169	.194	-1.447
60	1306	-.318	.157	.123	-.984
60	1307	-.345	.164	.095	-1.042
60	1308	-.422	.208	.099	-1.651
60	1309	-.414	.196	.173	-1.317
60	1310	-.271	.122	.045	-.797
60	1311	-.266	.119	.054	-.768

APPENDIX A -- PRESSURE DATA ; CONFIGURATION A : GATEWAY PROJECT TOWERS

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
60	1312	-.293	.136	.117	-.853
60	1313	-.294	.138	.202	-.967
60	1314	-.303	.139	.253	-.993
60	1315	-.309	.149	.096	-1.163
60	1316	-.355	.172	.154	-1.250
60	1317	-.386	.172	.179	-1.100
60	1318	-.410	.189	.245	-1.359
60	1319	-.258	.114	.135	-.733
60	1320	-.256	.110	.069	-.745
60	1321	-.271	.130	.114	-.794
60	1322	-.289	.154	.211	-1.063
60	1323	-.282	.138	.201	-.816
60	1324	-.290	.141	.143	-.924
60	1325	-.323	.172	.159	-1.203
60	1326	-.382	.201	.193	-1.382
60	1327	-.402	.202	.251	-1.256
60	1328	-.251	.119	.059	-.956
60	1329	-.247	.115	.063	-.810
60	1330	-.258	.133	.117	-.939
60	1331	-.279	.153	.300	-.904
60	1332	-.271	.139	.288	-.875
60	1333	-.276	.137	.086	-1.023
60	1334	-.315	.180	.227	-1.227
60	1335	-.359	.200	.246	-1.516
60	1336	-.386	.211	.256	-1.881
60	1337	-.252	.119	.074	-.828
60	1338	-.246	.110	.058	-.754
60	1339	-.259	.123	.090	-.835
60	1340	-.266	.138	.158	-.961
60	1341	-.261	.131	.143	-.866
60	1342	-.272	.136	.083	-.978
60	1343	-.296	.165	.116	-1.119
60	1344	-.334	.184	.157	-1.388
60	1345	-.357	.200	.302	-1.534
60	1346	-.245	.108	.002	-.695
60	1347	-.248	.111	.046	-.800
60	1348	-.258	.116	.059	-.761
60	1349	-.260	.135	.158	-.797
60	1350	-.259	.125	.114	-.732
60	1351	-.259	.127	.114	-.911
60	1352	-.286	.152	.137	-1.347
60	1353	-.315	.175	.238	-1.420
60	1354	-.341	.191	.277	-1.840
60	1355	-.228	.094	-.009	-.795
60	1356	-.227	.089	-.006	-.766
60	1357	-.239	.105	.041	-.705
60	1358	-.240	.124	.200	-.798
60	1359	-.244	.121	.116	-.700
60	1360	-.257	.137	.127	-.845
60	1361	-.278	.155	.103	-1.135

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
60	1362	-.316	.185	.191	-1.537
60	1363	-.339	.203	.431	-1.631
60	1364	-.215	.085	.075	-.708
60	1365	-.225	.105	.114	-.785
60	1366	-.252	.132	.114	-.898
60	1367	-.253	.142	.087	-.957
60	1368	-.343	.226	.240	-1.490
60	1369	-.193	.081	.010	-.590
60	1370	-.192	.080	.023	-.595
60	1371	-.202	.095	.097	-.587
60	1372	-.195	.128	.433	-.718
60	1373	-.207	.114	.441	-.649
60	1374	-.222	.114	.121	-.919
60	1375	-.231	.144	.170	-1.164
60	1376	-.290	.239	.333	-2.002
60	1377	-.349	.308	.325	-2.339
60	1401	.225	.294	1.046	-.660
60	1402	.138	.258	.990	-.885
60	1403	-.044	.225	.920	-.712
60	1404	-.020	.278	1.018	-1.215
60	1405	.067	.314	1.015	-1.082
60	1406	-.094	.267	.812	-1.000
60	1407	-.206	.244	.731	-1.115
60	1408	.032	.325	1.062	-.965
60	1409	-.065	.265	1.044	-.800
60	1410	-.253	.149	.273	-1.065
60	1411	-.265	.140	.180	-.833
60	1412	-.315	.151	.215	-.860
60	1413	-.377	.156	.310	-.976
60	1414	-.451	.186	.156	-1.233
60	1415	-.151	.325	.876	-1.653
60	1416	-.223	.257	.699	-1.012
60	1417	-.385	.136	.157	-.911
60	1418	-.406	.112	-.020	-.982
60	1419	-.406	.107	.004	-.819
60	1420	-.431	.120	.073	-.928
60	1421	-.445	.133	-.016	-1.026
60	1422	-.261	.297	1.009	-1.636
60	1423	-.309	.253	.715	-1.620
60	1424	-.412	.142	.230	-.945
60	1425	-.430	.110	-.106	-1.129
60	1426	-.394	.105	-.086	-1.158
60	1427	-.364	.112	.009	-1.143
60	1428	-.364	.112	-.024	-1.517
60	1429	-.314	.267	.762	-1.648
60	1430	-.335	.216	.589	-1.352
60	1431	-.415	.131	.151	-1.215
60	1432	-.432	.115	-.070	-1.099
60	1433	-.400	.112	-.073	-1.144
60	1434	-.368	.126	-.077	-1.500

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
60	1435	-.369	.129	-.017	-1.422
60	1436	-.328	.234	.556	-1.404
60	1437	-.340	.187	.421	-1.172
60	1438	-.387	.123	.049	-1.044
60	1439	-.399	.101	-.035	-.945
60	1440	-.398	.097	-.067	-.954
60	1441	-.387	.101	-.099	-1.039
60	1442	-.385	.106	-.093	-1.014
60	1443	-.322	.205	.498	-1.562
60	1444	-.314	.160	.405	-1.122
60	1445	-.371	.110	-.032	-.923
60	1446	-.386	.105	-.052	-1.010
60	1447	-.364	.097	-.025	-1.249
60	1448	-.371	.126	-.092	-1.176
60	1449	-.378	.140	-.060	-1.215
60	1450	-.256	.207	.505	-1.370
60	1451	-.359	.107	.087	-.872
60	1452	-.353	.097	-.080	-.917
60	1453	-.343	.137	.028	-1.144
60	1454	-.101	.219	.756	-1.186
60	1455	-.170	.184	.633	-.906
60	1456	-.351	.111	.165	-.946
60	1457	-.381	.111	-.072	-.993
60	1458	-.352	.097	-.073	-1.053
60	1459	-.358	.116	-.003	-1.026
60	1460	-.359	.112	-.038	-1.012
60	1461	-.264	.113	.205	-.793
60	1901	-.125	.111	.254	-.603
60	1902	-.160	.110	.194	-.603
60	1903	-.211	.128	.202	-.734
60	1904	-.031	.134	.495	-.497
60	1905	-.055	.155	.628	-.748
60	1906	-.088	.130	.376	-.512
60	1907	.025	.141	.709	-.395
60	1908	.057	.166	.793	-.431
60	1909	.059	.174	.705	-.450
60	1910	-.275	.106	.160	-.717
60	1911	-.238	.094	.133	-.618
60	2101	-.383	.077	-.097	-.652
60	2102	-.396	.074	-.121	-.691
60	2103	-.424	.082	-.078	-.714
60	2104	-.440	.086	-.175	-.752
60	2105	-.455	.091	-.189	-.853
60	2106	-.460	.094	-.174	-.906
60	2107	-.432	.089	-.152	-.808
60	2108	-.391	.076	-.142	-.666
60	2109	-.426	.075	-.214	-.821
60	2110	-.423	.078	-.187	-.783
60	2111	-.458	.093	-.196	-.876
60	2112	-.468	.096	-.186	-.920

APPENDIX A -- PRESSURE DATA ;   CONFIGURATION A : GATEWAY PROJECT TOWERS

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
60	2113	-.353	.080	-.122	-.661
60	2114	-.355	.078	-.136	-.641
60	2115	-.374	.078	-.147	-.658
60	2116	-.386	.079	-.156	-.678
60	2117	-.414	.081	-.073	-.833
60	2118	-.423	.084	-.088	-.998
60	2119	-.313	.075	-.066	-.770
60	2120	-.316	.073	-.067	-.651
60	2121	-.341	.074	-.019	-.589
60	2122	-.352	.072	-.119	-.587
60	2123	-.363	.081	-.042	-.705
60	2124	-.373	.087	-.020	-.738
60	2125	-.297	.079	-.063	-.561
60	2126	-.299	.076	-.078	-.568
60	2127	-.315	.075	-.101	-.698
60	2128	-.326	.076	-.074	-.676
60	2129	-.331	.079	-.068	-.656
60	2130	-.337	.085	-.030	-.773
60	2131	-.314	.075	-.051	-.566
60	2132	-.317	.074	-.078	-.564
60	2133	-.322	.081	-.122	-.752
60	2134	-.331	.081	-.122	-.650
60	2135	-.337	.092	-.086	-.922
60	2136	-.344	.100	-.067	-1.092
60	2137	-.317	.077	-.084	-.684
60	2138	-.320	.076	-.095	-.682
60	2139	-.329	.079	-.125	-.729
60	2140	-.340	.081	-.141	-.779
60	2141	-.355	.092	-.061	-.894
60	2142	-.363	.095	.031	-1.008
60	2143	-.329	.088	-.106	-.802
60	2144	-.321	.087	-.121	-1.119
60	2145	-.325	.084	-.052	-.912
60	2146	-.346	.086	.076	-1.324
60	2147	-.318	.082	-.084	-.948
60	2148	-.332	.082	-.103	-1.307
60	2149	-.351	.085	-.087	-1.096
60	2150	-.293	.087	-.037	-.880
60	2151	-.292	.089	-.033	-1.091
60	2152	-.301	.085	-.078	-.886
60	2153	-.323	.088	-.003	-.933
60	2154	-.323	.084	.044	-.869
60	2155	-.321	.086	.074	-.897
60	2201	-.460	.097	-.138	-.942
60	2202	-.456	.095	-.134	-.807
60	2203	-.440	.092	-.103	-.810
60	2204	-.451	.104	-.159	-.976
60	2205	-.464	.101	-.156	-.856
60	2206	-.452	.095	-.153	-.843
60	2207	-.454	.092	-.163	-.977

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
60	2208	-.466	.094	-.158	-.825
60	2209	-.475	.088	-.211	-.854
60	2210	-.466	.091	-.152	-.810
60	2211	-.515	.099	-.281	-.897
60	2212	-.513	.102	-.239	-.873
60	2213	-.515	.107	-.211	-.955
60	2214	-.502	.100	-.180	-.888
60	2215	-.443	.096	-.118	-.845
60	2216	-.437	.097	-.014	-.776
60	2217	-.451	.096	-.102	-.861
60	2218	-.469	.098	-.154	-.994
60	2219	-.471	.093	-.197	-.887
60	2220	-.444	.084	-.180	-.755
60	2221	-.439	.083	-.179	-.739
60	2222	-.358	.085	.102	-.813
60	2223	-.356	.083	.069	-.803
60	2224	-.391	.089	.041	-.781
60	2225	-.431	.091	-.075	-.960
60	2226	-.442	.093	-.161	-.804
60	2227	-.417	.091	-.155	-.792
60	2228	-.413	.092	-.170	-1.071
60	2229	-.348	.086	-.030	-.828
60	2230	-.344	.083	-.039	-.693
60	2231	-.365	.082	-.007	-.688
60	2232	-.393	.076	-.113	-.740
60	2233	-.403	.076	-.209	-.751
60	2234	-.380	.079	-.147	-.688
60	2235	-.373	.081	-.123	-.692
60	2236	-.348	.087	.029	-.791
60	2237	-.346	.081	.030	-.689
60	2238	-.361	.078	-.095	-.752
60	2239	-.387	.081	-.146	-.692
60	2240	-.383	.082	-.180	-.764
60	2241	-.364	.084	-.110	-.731
60	2242	-.358	.087	-.111	-.729
60	2243	-.367	.087	-.035	-.857
60	2244	-.371	.082	.005	-.700
60	2245	-.378	.077	-.075	-.689
60	2246	-.387	.081	-.145	-.785
60	2247	-.384	.083	-.153	-.783
60	2248	-.363	.088	-.132	-.707
60	2249	-.361	.087	-.127	-.704
60	2250	-.374	.086	-.050	-.697
60	2251	-.370	.081	-.107	-.713
60	2252	-.382	.083	-.146	-.709
60	2253	-.369	.084	-.119	-.736
60	2254	-.341	.084	-.032	-.921
60	2255	-.371	.082	-.053	-.813
60	2256	-.380	.091	-.098	-.827
60	2257	-.377	.083	-.015	-.789

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
60	2258	-.383	.086	.111	-.819
60	2259	-.385	.090	-.153	-.829
60	2260	-.371	.096	-.105	-.982
60	2261	-.371	.095	-.097	-.985
60	2301	-.148	.099	.256	-.623
60	2302	-.028	.127	.485	-.610
60	2303	.093	.170	.692	-.846
60	2304	.350	.214	1.139	-1.002
60	2305	.074	.149	.608	-.604
60	2306	-.020	.122	.454	-.641
60	2307	.060	.146	.652	-.769
60	2308	.171	.191	.883	-.913
60	2309	.086	.269	1.007	-1.152
60	2310	-.214	.111	.261	-.607
60	2311	-.058	.124	.520	-.544
60	2312	.125	.154	.659	-.424
60	2313	.493	.245	1.317	-.357
60	2314	.239	.183	.986	-.335
60	2315	.169	.151	.754	-.396
60	2316	.168	.156	.685	-.352
60	2317	.199	.234	.873	-.963
60	2318	.139	.273	.937	-.982
60	2319	-.254	.109	.428	-.655
60	2320	-.136	.122	.522	-.513
60	2321	.008	.143	.689	-.493
60	2322	.276	.203	1.102	-.399
60	2323	.073	.133	.680	-.405
60	2324	.095	.127	.954	-.394
60	2325	.099	.130	.938	-.535
60	2326	.023	.281	.782	-1.277
60	2327	-.102	.283	.853	-1.256
60	2328	-.268	.098	.294	-.623
60	2329	-.191	.107	.361	-.530
60	2330	-.085	.121	.535	-.491
60	2331	.130	.139	.684	-.450
60	2332	-.013	.094	.556	-.361
60	2333	-.002	.104	.659	-.454
60	2334	.010	.102	.544	-.554
60	2335	-.199	.253	.684	-1.110
60	2336	-.243	.220	.676	-1.049
60	2337	-.271	.085	.160	-.581
60	2338	-.205	.084	.210	-.502
60	2339	-.130	.094	.480	-.507
60	2340	.056	.120	.608	-.512
60	2341	-.054	.084	.400	-.443
60	2342	-.061	.090	.461	-.933
60	2343	-.049	.094	.418	-.510
60	2344	-.268	.208	.467	-.940
60	2345	-.320	.200	.558	-1.084
60	2346	-.263	.076	.175	-.543

APPENDIX A -- PRESSURE DATA ; CONFIGURATION A : GATEWAY PROJECT TOWERS

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
60	2347	-.206	.076	.410	-.488
60	2348	-.151	.088	.224	-.524
60	2349	.026	.108	.480	-.367
60	2350	-.065	.070	.281	-.387
60	2351	-.061	.072	.173	-.464
60	2352	-.059	.077	.191	-.487
60	2353	-.324	.191	.261	-1.005
60	2354	-.360	.178	.137	-1.245
60	2355	-.276	.072	.203	-.606
60	2356	-.203	.066	.255	-.531
60	2357	-.117	.069	.184	-.430
60	2358	.001	.091	.490	-.523
60	2359	-.032	.066	.226	-.510
60	2360	-.030	.069	.222	-.547
60	2361	-.036	.071	.291	-.394
60	2362	-.218	.157	.256	-.817
60	2363	-.272	.162	.324	-.952
60	2364	-.257	.070	.043	-.562
60	2365	-.090	.060	.115	-.369
60	2366	.019	.086	.425	-.352
60	2367	.003	.071	.292	-.482
60	2368	-.177	.130	.245	-.926
60	2369	-.204	.062	.101	-.447
60	2370	-.123	.056	.165	-.313
60	2371	-.020	.063	.299	-.219
60	2372	.187	.136	.872	-.201
60	2373	.037	.067	.371	-.236
60	2374	.019	.068	.306	-.286
60	2375	.044	.072	.363	-.288
60	2376	-.062	.132	.423	-.655
60	2377	-.125	.146	.327	-.766
60	2401	.250	.179	.828	-.791
60	2402	.296	.172	.874	-.737
60	2403	.207	.158	.784	-.508
60	2404	.196	.146	.820	-.432
60	2405	.172	.132	.700	-.485
60	2406	.133	.117	.598	-.452
60	2407	.100	.116	.557	-.448
60	2408	.296	.236	1.041	-.625
60	2409	.425	.210	1.029	-.268
60	2410	.501	.201	1.115	-.139
60	2411	.499	.188	1.171	-.124
60	2412	.472	.177	1.066	-.192
60	2413	.280	.140	.754	-.384
60	2414	.115	.112	.517	-.357
60	2415	.256	.186	.959	-.393
60	2416	.325	.172	.943	-.269
60	2417	.482	.190	1.085	-.076
60	2418	.519	.187	1.062	-.117
60	2419	.472	.175	1.023	-.249

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
60	2420	.271	.133	.729	-.330
60	2421	.086	.106	.532	-.420
60	2422	.083	.139	.665	-.344
60	2423	.192	.139	.673	-.206
60	2424	.381	.163	.872	-.108
60	2425	.458	.172	.966	-.045
60	2426	.433	.161	.936	-.089
60	2427	.272	.133	.696	-.503
60	2428	.107	.107	.526	-.556
60	2429	-.003	.108	.383	-.348
60	2430	.122	.106	.550	-.278
60	2431	.303	.144	.860	-.157
60	2432	.380	.156	.952	-.073
60	2433	.404	.161	.996	-.157
60	2434	.259	.134	.724	-.368
60	2435	.109	.114	.516	-.516
60	2436	-.058	.099	.435	-.419
60	2437	.078	.090	.605	-.367
60	2438	.256	.123	.782	-.074
60	2439	.322	.143	.812	-.164
60	2440	.326	.144	.883	-.229
60	2441	.198	.119	.757	-.317
60	2442	.094	.104	.613	-.322
60	2443	-.072	.085	.266	-.406
60	2444	.054	.080	.401	-.256
60	2445	.201	.103	.660	-.120
60	2446	.251	.120	.740	-.109
60	2447	.243	.118	.678	-.189
60	2448	.136	.107	.604	-.395
60	2449	.025	.094	.500	-.477
60	2450	-.024	.076	.262	-.352
60	2451	.212	.094	.623	-.033
60	2452	.232	.108	.666	-.030
60	2453	.101	.089	.530	-.271
60	2454	.001	.078	.311	-.375
60	2455	.041	.085	.435	-.283
60	2456	.141	.086	.586	-.094
60	2457	.287	.117	.848	.031
60	2458	.347	.137	1.045	.021
60	2459	.323	.131	.987	-.033
60	2460	.163	.095	.690	-.058
60	2461	.062	.077	.500	-.192
60	2901	-.518	.112	-.154	-1.014
60	2902	-.509	.099	-.177	-.942
60	2903	-.520	.109	-.147	-1.016
60	2904	-.543	.113	-.155	-1.075
60	2905	-.541	.111	-.140	-.987
60	2906	-.532	.116	-.122	-1.029
60	2907	-.520	.113	-.035	-.970
60	2908	-.443	.143	.416	-.933

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
60	2909	-.538	.132	-.038	-1.178
60	2910	-.348	.087	-.109	-.732
60	2911	-.335	.082	-.112	-.744
70	1101	-.308	.219	.464	-1.456
70	1102	-.249	.176	.450	-1.011
70	1103	-.171	.163	.385	-1.055
70	1104	-.169	.156	.320	-1.456
70	1105	-.182	.133	.362	-.886
70	1106	-.192	.121	.275	-.793
70	1107	-.439	.208	.178	-1.327
70	1108	-.381	.186	.236	-1.423
70	1109	-.242	.121	.232	-.783
70	1110	-.208	.106	.328	-.570
70	1111	-.197	.094	.226	-.734
70	1112	-.198	.098	.360	-1.081
70	1113	-.363	.136	-.006	-1.167
70	1114	-.357	.138	.082	-1.185
70	1115	-.318	.118	.114	-.867
70	1116	-.259	.095	.118	-.719
70	1117	-.230	.080	.234	-.635
70	1118	-.234	.085	.189	-1.030
70	1119	-.276	.102	.029	-.908
70	1120	-.279	.095	-.008	-.915
70	1121	-.274	.085	-.033	-.948
70	1122	-.259	.085	.068	-.752
70	1123	-.240	.087	.197	-.804
70	1124	-.247	.095	.064	-.970
70	1125	-.247	.078	.010	-.807
70	1126	-.245	.075	-.009	-.784
70	1127	-.252	.076	.035	-.971
70	1128	-.244	.080	.129	-.787
70	1129	-.227	.089	.085	-.724
70	1130	-.232	.093	.111	-.823
70	1131	-.245	.083	.025	-.726
70	1132	-.246	.083	.094	-.813
70	1133	-.251	.085	.085	-1.043
70	1134	-.231	.087	.234	-.779
70	1135	-.208	.097	.390	-.671
70	1136	-.224	.104	.187	-.962
70	1137	-.235	.089	.090	-.862
70	1138	-.229	.095	.234	-1.008
70	1139	-.227	.110	.236	-1.191
70	1140	-.192	.120	.481	-.819
70	1141	-.166	.116	.372	-.845
70	1142	-.177	.123	.208	-1.159
70	1143	-.218	.093	.213	-.807
70	1144	-.212	.120	.387	-.894
70	1145	-.177	.122	.412	-.859
70	1146	-.158	.116	.287	-1.114
70	1147	-.223	.094	.216	-.772

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
70	1148	-.209	.096	.166	-.988
70	1149	-.198	.111	.442	-1.053
70	1150	-.194	.092	.279	-.764
70	1151	-.201	.099	.319	-.798
70	1152	-.190	.104	.288	-.844
70	1153	-.176	.112	.415	-1.274
70	1154	-.160	.103	.161	-.973
70	1155	-.178	.101	.119	-1.073
70	1201	-.232	.095	.023	-.825
70	1202	-.236	.095	-.015	-.958
70	1203	-.221	.080	-.015	-.697
70	1204	-.219	.080	.039	-.819
70	1205	-.231	.093	.005	-.739
70	1206	-.255	.112	.061	-.769
70	1207	-.265	.122	.054	-.818
70	1208	-.242	.096	-.023	-.831
70	1209	-.237	.091	-.005	-.763
70	1210	-.227	.070	-.052	-.558
70	1211	-.217	.064	-.034	-.608
70	1212	-.225	.072	-.009	-.695
70	1213	-.251	.091	-.000	-.699
70	1214	-.262	.103	.031	-.741
70	1215	-.264	.118	-.022	-1.210
70	1216	-.245	.094	-.038	-.800
70	1217	-.223	.058	-.082	-.520
70	1218	-.223	.057	-.072	-.517
70	1219	-.237	.075	.060	-.677
70	1220	-.251	.090	.042	-.631
70	1221	-.269	.104	.051	-.698
70	1222	-.245	.114	.004	-1.494
70	1223	-.229	.079	-.052	-.928
70	1224	-.210	.047	.005	-.460
70	1225	-.212	.055	-.069	-.596
70	1226	-.227	.076	-.046	-.674
70	1227	-.249	.100	.021	-.789
70	1228	-.271	.118	.032	-.737
70	1229	-.225	.075	-.055	-.931
70	1230	-.220	.066	-.076	-.818
70	1231	-.210	.051	-.080	-.684
70	1232	-.215	.058	-.080	-.630
70	1233	-.226	.078	-.045	-.731
70	1234	-.249	.103	.013	-.928
70	1235	-.259	.114	.030	-.998
70	1236	-.220	.070	-.011	-.706
70	1237	-.209	.063	-.028	-.546
70	1238	-.202	.050	-.072	-.503
70	1239	-.208	.057	-.055	-.624
70	1240	-.231	.089	.010	-.851
70	1241	-.243	.099	.063	-.946
70	1242	-.255	.106	.065	-.917

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
70	1243	-.202	.071	-.021	-.847
70	1244	-.204	.062	-.018	-.618
70	1245	-.182	.044	-.036	-.425
70	1246	-.195	.051	-.070	-.568
70	1247	-.220	.072	-.041	-.686
70	1248	-.229	.081	-.026	-.700
70	1249	-.233	.086	-.031	-.852
70	1250	-.195	.068	.007	-.822
70	1251	-.180	.047	.030	-.427
70	1252	-.204	.063	-.061	-.789
70	1253	-.221	.073	-.063	-.805
70	1254	-.188	.068	-.002	-.712
70	1255	-.184	.066	-.002	-.785
70	1256	-.171	.046	-.006	-.480
70	1257	-.171	.040	-.026	-.361
70	1258	-.191	.053	-.043	-.515
70	1259	-.213	.074	-.057	-.725
70	1260	-.213	.069	-.035	-.630
70	1301	-.294	.147	.085	-.995
70	1302	-.292	.139	.081	-1.081
70	1303	-.324	.148	.050	-1.053
70	1304	-.350	.156	.082	-1.053
70	1305	-.347	.155	.061	-1.178
70	1306	-.350	.147	.054	-.984
70	1307	-.369	.149	.076	-1.037
70	1308	-.376	.158	.037	-1.186
70	1309	-.374	.161	-.014	-1.645
70	1310	-.292	.124	.024	-1.010
70	1311	-.287	.114	.049	-.825
70	1312	-.318	.131	.055	-.918
70	1313	-.339	.136	.272	-1.014
70	1314	-.315	.116	.038	-.850
70	1315	-.311	.122	.002	-1.072
70	1316	-.356	.149	.046	-1.078
70	1317	-.381	.156	.084	-1.111
70	1318	-.386	.160	.066	-1.182
70	1319	-.301	.136	.027	-1.086
70	1320	-.295	.123	.033	-1.025
70	1321	-.325	.145	.081	-1.024
70	1322	-.333	.154	.165	-1.159
70	1323	-.315	.139	.167	-.982
70	1324	-.315	.138	.041	-.978
70	1325	-.362	.184	.045	-1.678
70	1326	-.376	.181	.142	-1.432
70	1327	-.389	.182	.048	-1.705
70	1328	-.287	.141	.078	-1.032
70	1329	-.285	.132	.121	-1.000
70	1330	-.312	.152	.046	-1.418
70	1331	-.341	.171	.151	-1.200
70	1332	-.324	.148	.127	-1.017

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
70	1333	-.336	.156	.036	-1.106
70	1334	-.377	.196	.131	-1.629
70	1335	-.419	.201	.132	-1.393
70	1336	-.425	.200	.140	-1.508
70	1337	-.289	.142	.101	-.993
70	1338	-.287	.136	.103	-.982
70	1339	-.304	.147	.132	-1.177
70	1340	-.326	.158	.179	-1.168
70	1341	-.314	.143	.108	-1.085
70	1342	-.324	.153	.027	-1.397
70	1343	-.370	.186	.051	-1.304
70	1344	-.409	.192	.076	-1.566
70	1345	-.425	.197	.095	-1.647
70	1346	-.259	.117	.038	-.916
70	1347	-.261	.112	.058	-.796
70	1348	-.291	.134	.234	-1.027
70	1349	-.310	.155	.102	-1.181
70	1350	-.306	.133	.064	-.978
70	1351	-.330	.157	.110	-1.265
70	1352	-.360	.182	.122	-1.599
70	1353	-.414	.202	.137	-1.582
70	1354	-.429	.201	.137	-1.750
70	1355	-.231	.082	.002	-.703
70	1356	-.232	.084	.015	-.658
70	1357	-.267	.120	.072	-1.171
70	1358	-.276	.136	.142	-1.156
70	1359	-.284	.118	.009	-1.139
70	1360	-.310	.153	.012	-1.241
70	1361	-.333	.167	-.009	-1.455
70	1362	-.402	.197	.010	-1.629
70	1363	-.409	.204	.021	-2.322
70	1364	-.208	.062	-.035	-.534
70	1365	-.240	.092	.160	-.835
70	1366	-.288	.138	.024	-1.250
70	1367	-.303	.154	-.052	-1.272
70	1368	-.401	.194	.018	-1.398
70	1369	-.193	.054	.109	-.414
70	1370	-.192	.055	.142	-.421
70	1371	-.193	.067	.102	-.575
70	1372	-.193	.088	.242	-.694
70	1373	-.213	.078	.074	-.648
70	1374	-.242	.092	.033	-.788
70	1375	-.262	.131	.024	-1.400
70	1376	-.354	.205	.043	-1.675
70	1377	-.387	.227	.058	-2.085
70	1401	.350	.232	1.190	-.484
70	1402	.285	.217	.981	-.657
70	1403	-.012	.176	.820	-.613
70	1404	-.108	.185	.782	-.774
70	1405	-.053	.245	1.040	-.860

APPENDIX A -- PRESSURE DATA ;   CONFIGURATION A : GATEWAY PROJECT TOWER

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
70	1406	-.027	.266	.862	-.845
70	1407	-.115	.261	.841	-1.133
70	1408	.336	.276	1.287	-.564
70	1409	.293	.256	1.098	-.743
70	1410	-.087	.149	.410	-.669
70	1411	-.198	.122	.294	-.717
70	1412	-.193	.126	.301	-.823
70	1413	-.262	.159	.493	-.864
70	1414	-.362	.203	.512	-1.144
70	1415	.224	.294	1.068	-.675
70	1416	.161	.266	.897	-.774
70	1417	-.150	.155	.338	-.877
70	1418	-.289	.110	.067	-.787
70	1419	-.301	.099	.057	-.746
70	1420	-.346	.112	.021	-.872
70	1421	-.378	.142	-.043	-1.027
70	1422	.158	.290	1.129	-1.004
70	1423	.109	.268	.900	-.649
70	1424	-.189	.152	.475	-.796
70	1425	-.323	.104	.104	-.851
70	1426	-.337	.091	-.035	-.910
70	1427	-.302	.081	.109	-.703
70	1428	-.306	.096	-.033	-.943
70	1429	.062	.275	1.134	-.912
70	1430	.022	.259	1.087	-.743
70	1431	-.200	.156	.384	-.793
70	1432	-.331	.101	.034	-.840
70	1433	-.334	.090	-.020	-.928
70	1434	-.283	.082	.079	-.778
70	1435	-.272	.086	.156	-1.011
70	1436	.031	.256	.846	-.820
70	1437	.004	.233	.783	-.808
70	1438	-.185	.146	.264	-.855
70	1439	-.309	.096	.049	-.704
70	1440	-.320	.087	.014	-.698
70	1441	-.267	.082	.051	-1.131
70	1442	-.261	.084	.056	-.792
70	1443	-.020	.203	.791	-.668
70	1444	-.041	.201	.815	-.587
70	1445	-.184	.127	.354	-.606
70	1446	-.282	.089	.119	-.622
70	1447	-.282	.083	.086	-.626
70	1448	-.250	.081	.017	-.850
70	1449	-.244	.088	.036	-1.153
70	1450	-.035	.176	.727	-.660
70	1451	-.172	.118	.299	-.586
70	1452	-.273	.079	.049	-.626
70	1453	-.243	.095	.103	-.976
70	1454	.013	.157	.694	-.494
70	1455	-.021	.150	.813	-.525

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
70	1456	-.178	.105	.194	-.599
70	1457	-.255	.081	.082	-.560
70	1458	-.245	.074	.020	-.703
70	1459	-.230	.080	.047	-.569
70	1460	-.235	.084	.059	-.646
70	1461	-.210	.105	.173	-1.106
70	1901	-.179	.115	.244	-.697
70	1902	-.262	.124	.137	-.865
70	1903	-.327	.124	.042	-.897
70	1904	-.064	.130	.440	-.504
70	1905	-.111	.165	.523	-.722
70	1906	-.203	.131	.338	-.672
70	1907	.002	.144	.596	-.448
70	1908	.017	.163	.727	-.458
70	1909	-.076	.180	.676	-.724
70	1910	-.205	.096	.176	-.873
70	1911	-.197	.092	.142	-.671
70	2101	-.291	.082	-.056	-.628
70	2102	-.310	.081	-.064	-.690
70	2103	-.320	.090	-.030	-.763
70	2104	-.348	.097	-.013	-.862
70	2105	-.359	.097	-.073	-.959
70	2106	-.362	.099	-.058	-.922
70	2107	-.335	.081	-.068	-.686
70	2108	-.314	.076	-.079	-.634
70	2109	-.337	.079	-.072	-.700
70	2110	-.341	.074	-.107	-.602
70	2111	-.360	.080	-.151	-.679
70	2112	-.372	.083	-.132	-.693
70	2113	-.289	.080	-.013	-.876
70	2114	-.294	.077	-.034	-.783
70	2115	-.308	.069	-.065	-.681
70	2116	-.321	.065	-.084	-.541
70	2117	-.337	.080	-.037	-.796
70	2118	-.349	.083	-.027	-.829
70	2119	-.253	.089	.101	-.778
70	2120	-.258	.087	.029	-.871
70	2121	-.277	.083	.001	-.864
70	2122	-.279	.071	-.049	-.615
70	2123	-.292	.075	.099	-.590
70	2124	-.308	.079	.085	-.618
70	2125	-.241	.096	.076	-.881
70	2126	-.246	.094	.054	-.905
70	2127	-.251	.083	-.014	-.840
70	2128	-.250	.070	.031	-.740
70	2129	-.265	.073	-.013	-.599
70	2130	-.285	.077	.003	-.661
70	2131	-.244	.097	.044	-.956
70	2132	-.248	.096	.063	-1.030
70	2133	-.268	.095	-.004	-.805

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
70	2134	-.267	.084	.007	-.724
70	2135	-.268	.080	.024	-.701
70	2136	-.280	.085	.040	-.659
70	2137	-.269	.113	.034	-1.080
70	2138	-.275	.112	.029	-1.027
70	2139	-.286	.118	.046	-.978
70	2140	-.280	.107	.045	-.912
70	2141	-.280	.095	.116	-1.015
70	2142	-.297	.104	.046	-.971
70	2143	-.262	.116	.058	-1.052
70	2144	-.282	.123	-.010	-1.441
70	2145	-.263	.100	.015	-.822
70	2146	-.277	.093	.161	-.902
70	2147	-.251	.103	.079	-.843
70	2148	-.247	.094	.092	-.822
70	2149	-.262	.094	.215	-.944
70	2150	-.252	.135	.076	-1.903
70	2151	-.251	.146	.072	-2.443
70	2152	-.247	.115	.135	-.946
70	2153	-.259	.125	.158	-1.402
70	2154	-.226	.090	.154	-.803
70	2155	-.233	.094	.162	-.858
70	2201	-.379	.107	-.096	-1.196
70	2202	-.378	.106	-.061	-1.085
70	2203	-.382	.111	-.010	-1.182
70	2204	-.401	.107	-.096	-.887
70	2205	-.394	.098	-.032	-.815
70	2206	-.383	089	-.034	-.715
70	2207	-.378	.092	-.114	-.766
70	2208	-.380	.085	-.087	-.690
70	2209	-.381	.084	-.172	-.753
70	2210	-.378	.082	-.111	-.679
70	2211	-.410	.093	-.179	-.783
70	2212	-.419	.099	-.135	-.821
70	2213	-.433	.107	-.127	-1.073
70	2214	-.424	.101	-.132	-1.002
70	2215	-.371	.088	-.054	-.754
70	2216	-.364	.083	-.017	-.746
70	2217	-.364	.078	-.060	-.893
70	2218	-.378	.079	-.173	-.831
70	2219	-.378	.080	-.166	-.836
70	2220	-.364	.087	-.146	-.758
70	2221	-.359	.086	-.138	-.800
70	2222	-.359	.107	-.020	-.966
70	2223	-.350	.092	.000	-.939
70	2224	-.357	.075	-.112	-.656
70	2225	-.366	.075	-.148	-.675
70	2226	-.353	.077	-.109	-.653
70	2227	-.335	.083	-.054	-.811
70	2228	-.327	.090	-.005	-1.312

APPENDIX A -- PRESSURE DATA ;   CONFIGURATION A : GATEWAY PROJECT TOWERS

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
70	2229	-.324	.090	.023	-.743
70	2230	-.316	.077	.053	-.630
70	2231	-.336	.069	-.117	-.663
70	2232	-.355	.081	-.129	-.734
70	2233	-.340	.083	-.090	-.723
70	2234	-.317	.094	.001	-.785
70	2235	-.314	.097	.014	-.890
70	2236	-.321	.116	.007	-1.068
70	2237	-.311	.098	.063	-.780
70	2238	-.328	.092	.017	-.717
70	2239	-.349	.092	-.072	-.724
70	2240	-.337	.092	-.083	-.919
70	2241	-.314	.098	-.037	-.936
70	2242	-.309	.104	.024	-1.062
70	2243	-.327	.118	.110	-1.343
70	2244	-.298	.093	.062	-.932
70	2245	-.314	.088	.053	-.881
70	2246	-.340	.097	-.084	-1.089
70	2247	-.333	.090	-.098	-.862
70	2248	-.309	.091	-.068	-.763
70	2249	-.304	.092	-.058	-.841
70	2250	-.315	.115	.003	-1.137
70	2251	-.317	.095	.063	-.806
70	2252	-.325	.093	-.092	-.988
70	2253	-.295	.091	-.088	-.934
70	2254	-.237	.089	.092	-.598
70	2255	-.291	.113	.124	-1.381
70	2256	-.296	.111	.159	-1.179
70	2257	-.305	.094	-.010	-.913
70	2258	-.327	.095	-.107	-.856
70	2259	-.330	.095	-.082	-1.070
70	2260	-.316	.101	-.030	-1.046
70	2261	-.310	.098	-.020	-.971
70	2301	-.011	.117	.371	-.617
70	2302	.105	.154	.554	-.653
70	2303	.244	.214	1.089	-.659
70	2304	.277	.221	1.250	-.891
70	2305	.192	.186	1.041	-.621
70	2306	.107	.167	.624	-.719
70	2307	.185	.197	.851	-.567
70	2308	.292	.238	.989	-.826
70	2309	.288	.282	1.070	-1.489
70	2310	-.052	.127	.369	-.570
70	2311	.103	.158	.743	-.521
70	2312	.273	.203	.878	-.415
70	2313	.417	.252	1.225	-.499
70	2314	.348	.225	1.054	-.333
70	2315	.288	.204	.864	-.371
70	2316	.291	.226	1.050	-.400
70	2317	.333	.263	1.059	-.753

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
70	2318	.319	.288	1.132	-.847
70	2319	-.083	.149	.502	-.621
70	2320	.030	.180	.617	-.523
70	2321	.164	.220	.936	-.512
70	2322	.283	.234	1.178	-.413
70	2323	.212	.215	.946	-.332
70	2324	.196	.210	1.042	-.416
70	2325	.197	.211	1.060	-.465
70	2326	.169	.254	.957	-1.046
70	2327	.128	.273	.962	-.991
70	2328	-.104	.142	.414	-.545
70	2329	-.030	.169	.587	-.494
70	2330	.051	.192	.836	-.422
70	2331	.115	.187	.871	-.464
70	2332	.080	.175	.855	-.418
70	2333	.087	.176	.749	-.465
70	2334	.074	.178	.820	-.637
70	2335	.009	.221	.670	-1.178
70	2336	-.013	.213	.649	-1.092
70	2337	-.129	.137	.426	-.658
70	2338	-.059	.156	599	-.508
70	2339	.006	.178	695	-.681
70	2340	.055	.168	764	-.564
70	2341	.047	.168	.818	-.498
70	2342	.043	.155	.640	-.537
70	2343	.025	.162	.752	-.859
70	2344	-.037	.193	.689	-.921
70	2345	-.059	.193	.469	-1.100
70	2346	-.122	.129	.597	-.560
70	2347	-.082	.131	.476	-.561
70	2348	-.015	.155	.701	-.525
70	2349	.013	.149	.745	-.532
70	2350	.005	.139	.732	-.495
70	2351	-.007	.140	.747	-.519
70	2352	-.016	.141	.759	-.592
70	2353	-.069	.189	.403	-1.069
70	2354	-.093	.188	.454	-1.039
70	2355	-.153	.106	.302	-.729
70	2356	-.093	.117	.531	-.564
70	2357	-.018	.116	.552	-.358
70	2358	.021	.113	.524	-.413
70	2359	.024	.105	.537	-.375
70	2360	.016	.103	.582	-.436
70	2361	.007	.101	.493	-.476
70	2362	-.030	.127	.414	-.856
70	2363	-.046	.135	.384	-.870
70	2364	-.162	.080	.344	-.500
70	2365	-.015	.084	.484	-.338
70	2366	.037	.095	.510	-.360
70	2367	.039	.090	.438	-.369

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
70	2368	-.006	.122	.400	-.679
70	2369	-.100	.083	.370	-.392
70	2370	-.029	.091	.524	-.370
70	2371	.059	.115	.770	-.234
70	2372	.137	.127	.867	-.240
70	2373	.092	.111	.699	-.276
70	2374	.078	.113	.672	-.297
70	2375	.086	.104	.633	-.261
70	2376	.046	.146	.517	-.832
70	2377	.033	.139	.576	-.684
70	2401	.251	.242	.893	-1.089
70	2402	.253	.220	.906	-.695
70	2403	.194	.212	.934	-.607
70	2404	.192	.196	.807	-.570
70	2405	.162	.185	.806	-.975
70	2406	.112	.166	.654	-.641
70	2407	.056	.150	.602	-.624
70	2408	.307	.282	1.159	-.986
70	2409	.346	.257	1.143	-.826
70	2410	.356	.239	1.087	-.394
70	2411	.346	.232	.990	-.436
70	2412	.325	.219	.984	-.445
70	2413	.174	.173	.822	-.408
70	2414	.030	.140	.453	-.547
70	2415	.162	.220	.877	-.622
70	2416	.202	.206	.865	-.845
70	2417	.243	.184	.972	-.307
70	2418	.254	187	.897	-.355
70	2419	.226	.198	.861	-.286
70	2420	.107	.173	.734	-.418
70	2421	-.008	.154	.515	-.453
70	2422	.046	.157	.621	-.597
70	2423	.090	.143	.612	-.501
70	2424	.161	.131	.920	-.287
70	2425	.181	.161	.783	-.281
70	2426	.176	.185	.864	-.287
70	2427	.102	.185	.726	-.429
70	2428	.004	.166	.625	-.631
70	2429	-.015	.135	.422	-.682
70	2430	.030	.113	.429	-.581
70	2431	.097	.106	.603	-.372
70	2432	.129	.135	.746	-.311
70	2433	.137	.174	1.153	-.286
70	2434	.077	.170	.927	-.420
70	2435	.001	.158	.666	-.650
70	2436	-.035	.115	.347	-.756
70	2437	.014	.106	.419	-.617
70	2438	.079	.103	.620	-.289
70	2439	.109	.130	.807	-.256
70	2440	.104	.146	.712	-.326

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
70	2441	.066	.161	.834	-.560
70	2442	.011	.154	.750	-.488
70	2443	-.017	.095	.245	-.650
70	2444	.021	.080	.313	-.589
70	2445	.071	.080	.421	-.516
70	2446	.098	.105	.664	-.233
70	2447	.100	.122	.663	-.358
70	2448	.051	.138	.664	-.435
70	2449	-.014	.130	.631	-.408
70	2450	.025	.090	.336	-.391
70	2451	.100	.079	.455	-.217
70	2452	.104	.111	.714	-.274
70	2453	.027	.120	.633	-.590
70	2454	-.032	.110	.463	-.536
70	2455	.073	.097	.477	-.325
70	2456	.107	.089	.567	-.188
70	2457	.154	.098	.654	-.122
70	2458	.172	.117	.750	-.092
70	2459	.157	.123	.797	-.236
70	2460	.080	.109	.536	-.276
70	2461	.006	.096	.534	-.380
70	2901	-.438	.160	.010	-1.452
70	2902	-.444	.127	-.039	-1.178
70	2903	-.485	.136	-.034	-1.104
70	2904	-.457	.151	.129	-1.364
70	2905	-.504	.158	.081	-1.264
70	2906	-.491	.135	-.076	-1.207
70	2907	-.374	.153	.387	-1.078
70	2908	-.414	.174	.608	-1.222
70	2909	-.477	.143	.052	-1.346
70	2910	-.236	.091	.069	-.766
70	2911	-.226	.089	.073	-.756
80	1101	-.475	.210	.230	-1.658
80	1102	-.424	.186	.206	-1.238
80	1103	-.325	.155	.215	-1.041
80	1104	-.302	.146	.204	-.932
80	1105	-.290	.129	.252	-1.006
80	1106	-.301	.126	.175	-1.031
80	1107	-.435	.178	.085	-1.551
80	1108	-.431	.185	.059	-1.587
80	1109	-.371	.157	.159	-1.243
80	1110	-.312	.119	.104	-.841
80	1111	-.273	.098	.143	-.784
80	1112	-.299	.108	.184	-.840
80	1113	-.353	.109	-.089	-.940
80	1114	-.353	.111	-.076	-1.075
80	1115	-.360	.115	-.039	-.926
80	1116	-.339	.105	-.015	-1.193
80	1117	-.310	.092	.041	-.771
80	1118	-.315	.100	-.010	-.804

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
80	1119	-.298	.074	-.107	-.814
80	1120	-.299	.077	-.065	-.722
80	1121	-.308	.084	.020	-.919
80	1122	-.311	.078	.054	-.864
80	1123	-.315	.088	.024	-.703
80	1124	-.311	.101	.201	-1.191
80	1125	-.289	.076	-.060	-.737
80	1126	-.289	.076	-.008	-.994
80	1127	-.299	.086	.035	-.911
80	1128	-.303	.082	.303	-.817
80	1129	-.302	.099	.223	-.845
80	1130	-.311	.108	.109	-.963
80	1131	-.288	.083	-.086	-.755
80	1132	-.285	.084	-.092	-.768
80	1133	-.300	.092	.018	-1.068
80	1134	-.305	.092	.129	-.799
80	1135	-.298	.104	.096	-.903
80	1136	-.321	.127	.128	-1.094
80	1137	-.295	.087	-.073	-.807
80	1138	-.286	.083	-.048	-.684
80	1139	-.295	.092	-.076	-.966
80	1140	-.300	.103	.092	-.921
80	1141	-.298	.119	.119	-1.202
80	1142	-.304	.131	.063	-1.366
80	1143	-.289	.091	-.071	-.945
80	1144	-.286	.084	-.050	-.854
80	1145	-.290	.098	.103	-.947
80	1146	-.313	.130	.084	-1.280
80	1147	-.287	.093	-.070	-1.018
80	1148	-.289	.093	-.078	-.945
80	1149	-.295	.097	.018	-1.163
80	1150	-.286	.090	-.076	-.932
80	1151	-.294	.099	-.020	-.899
80	1152	-.293	.095	.103	-.966
80	1153	-.283	.113	.056	-1.312
80	1154	-.286	.112	.002	-1.115
80	1155	-.285	.127	.063	-1.487
80	1201	-.299	.114	-.012	-.919
80	1202	-.300	.111	-.008	-.928
80	1203	-.280	.101	.024	-.875
80	1204	-.285	.112	.037	-1.010
80	1205	-.310	.133	.070	-1.023
80	1206	-.338	.141	.104	-1.182
80	1207	-.347	.142	.061	-1.224
80	1208	-.319	.125	-.017	-1.125
80	1209	-.311	.119	-.032	-.969
80	1210	-.294	.099	-.071	-.816
80	1211	-.288	.097	-.018	-.723
80	1212	-.294	.101	.073	-.759
80	1213	-.311	.114	.016	-.811

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
80	1214	-.343	.129	.069	-.855
80	1215	-.313	.115	-.094	-1.132
80	1216	-.300	.107	-.060	-1.484
80	1217	-.284	.079	-.076	-.880
80	1218	-.290	.082	-.050	-.622
80	1219	-.301	.097	-.041	-.671
80	1220	-.312	.116	.033	-.782
80	1221	-.338	.133	.005	-.890
80	1222	-.269	.082	-.067	-1.253
80	1223	-.259	.070	-.082	-.807
80	1224	-.266	.067	-.103	-.581
80	1225	-.279	.078	-.068	-.628
80	1226	-.296	.100	-.012	-.688
80	1227	-.314	.122	.015	-.843
80	1228	-.348	.156	.034	-1.010
80	1229	-.257	.079	-.039	-1.005
80	1230	-.253	.073	-.081	-1.066
80	1231	-.258	.071	-.091	-.585
80	1232	-.285	.095	-.045	-.782
80	1233	-.297	.116	.004	-.943
80	1234	-.324	.142	.077	-.919
80	1235	-.343	.159	.087	-1.336
80	1236	-.273	.091	-.042	-.919
80	1237	-.258	.079	-.068	-.945
80	1238	-.264	.079	-.095	-.648
80	1239	-.283	.097	-.056	-.775
80	1240	-.306	.120	.075	-.813
80	1241	-.326	.141	.061	-1.467
80	1242	-.342	.153	.061	-1.118
80	1243	-.257	.074	-.070	-.955
80	1244	-.247	.076	-.036	-.682
80	1245	-.253	.069	-.101	-.719
80	1246	-.278	.087	-.090	-.867
80	1247	-.313	.123	-.033	-1.392
80	1248	-.299	.127	.002	-.949
80	1249	-.336	.141	.009	-1.062
80	1250	-.251	.071	-.054	-.678
80	1251	-.238	.060	-.079	-.497
80	1252	-.287	.103	-.071	-1.034
80	1253	-.317	.120	-.066	-1.052
80	1254	-.242	.064	-.065	-.567
80	1255	-.233	.059	-.063	-.513
80	1256	-.226	.057	-.093	-.514
80	1257	-.230	.061	-.101	-.523
80	1258	-.248	.080	-.029	-.718
80	1259	-.287	.112	-.037	-.906
80	1260	-.289	.115	-.057	-1.276
80	1301	-.363	.158	.066	-1.059
80	1302	-.365	.153	.127	-.996
80	1303	-.413	.164	.212	-1.142

APPENDIX A -- PRESSURE DATA ;   CONFIGURATION A : GATEWAY PROJECT TOWERS

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
80	1304	-.439	.171	.118	-1.489
80	1305	-.423	.151	.021	-1.370
80	1306	-.431	.156	.005	-1.369
80	1307	-.452	.160	-.021	-1.364
80	1308	-.447	.156	-.023	-1.398
80	1309	-.443	.151	-.060	-1.502
80	1310	-.366	.148	.061	-1.022
80	1311	-.361	.138	.061	-1.285
80	1312	-.407	.148	.060	-1.045
80	1313	-.436	.161	.122	-1.175
80	1314	-.406	.143	.093	-1.109
80	1315	-.401	.148	.039	-1.213
80	1316	-.446	.171	.078	-1.415
80	1317	-.427	.139	.089	-1.186
80	1318	-.463	.159	.036	-1.489
80	1319	-.397	.183	.087	-1.249
80	1320	-.386	.164	.088	-1.189
80	1321	-.411	.163	.026	-1.124
80	1322	-.437	.189	.161	-1.415
80	1323	-.400	.151	.003	-1.096
80	1324	-.390	.148	-.016	-1.117
80	1325	-.443	.188	-.004	-1.475
80	1326	-.414	.149	-.007	-1.186
80	1327	-.420	.153	-.030	-1.319
80	1328	-.399	.204	.073	-1.551
80	1329	-.393	.180	.077	-1.116
80	1330	-.419	.185	.171	-1.170
80	1331	-.452	.204	.082	-1.934
80	1332	-.428	.174	.091	-1.571
80	1333	-.418	.169	-.001	-1.151
80	1334	-.472	.213	.071	-2.034
80	1335	-.444	.175	-.028	-1.853
80	1336	-.437	.168	-.034	-1.994
80	1337	-.390	.211	.118	-1.486
80	1338	-.385	.195	.134	-1.124
80	1339	-.419	.192	.068	-1.364
80	1340	-.456	.207	.143	-1.564
80	1341	-.432	.185	.098	-1.238
80	1342	-.434	.190	.030	-1.332
80	1343	-.475	.217	.039	-2.323
80	1344	-.455	.174	.068	-1.900
80	1345	-.453	.173	-.001	-1.905
80	1346	-.351	.171	.092	-1.040
80	1347	-.348	.168	.108	-1.290
80	1348	-.399	.184	.132	-1.289
80	1349	-.437	.208	.196	-1.688
80	1350	-.422	.176	.078	-1.313
80	1351	-.439	.185	-.008	-1.340
80	1352	-.486	.214	-.009	-1.703
80	1353	-.497	.197	-.024	-1.827
80	1354	-.496	.190	.002	-1.672
80	1355	-.310	.131	.044	-1.033
80	1356	-.310	.132	.011	-1.052
80	1357	-.378	.179	.082	-1.292
80	1358	-.406	.205	.119	-1.717
80	1359	-.384	.163	.075	-1.074
80	1360	-.407	.179	-.025	-1.232
80	1361	-.458	.227	.006	-2.011
80	1362	-.511	.218	.016	-1.662
80	1363	-.505	.207	-.082	-1.985
80	1364	-.269	.096	-.031	-.704
80	1365	-.322	.144	.070	-.959
80	1366	-.408	.186	-.067	-1.329
80	1367	-.463	.236	-.032	-1.826
80	1368	-.493	.198	-.031	-1.422
80	1369	-.248	.086	.028	-.729
80	1370	-.243	.082	-.007	-.655
80	1371	-.249	.111	.096	-.855
80	1372	-.275	.154	.255	-1.005
80	1373	-.300	.130	.178	-.942
80	1374	-.364	.167	.041	-1.155
80	1375	-.390	.216	.001	-1.942
80	1376	-.473	.240	.065	-1.900
80	1377	-.482	.244	.066	-2.332
80	1401	.399	.165	1.025	-.204
80	1402	.302	.160	.884	-.325
80	1403	-.005	.129	.510	-.604
80	1404	-.217	.125	.353	-.668
80	1405	-.252	.136	.363	-1.290
80	1406	-.277	.164	.669	-1.017
80	1407	-.405	.203	.735	-1.133
80	1408	.532	.192	1.216	-.249
80	1409	.466	.200	1.139	-.351
80	1410	.053	.140	.497	-.625
80	1411	-.240	.101	.067	-.624
80	1412	-.292	.101	.177	-.674
80	1413	-.384	.134	.203	-.961
80	1414	-.467	.182	.169	-1.268
80	1415	.471	.207	1.228	-.482
80	1416	.406	.197	1.036	-.460
80	1417	.001	.136	.502	-.544
80	1418	-.273	.109	.098	-.677
80	1419	-.334	.102	-.035	-.705
80	1420	-.377	.101	-.115	-.831
80	1421	-.388	.118	-.110	-.988
80	1422	.400	.211	1.075	-.428
80	1423	.398	.199	1.116	-.443
80	1424	.002	.144	.425	-.579
80	1425	-.286	.117	.036	-.783
80	1426	-.360	.108	-.001	-.861
80	1427	-.341	.084	-.074	-.801
80	1428	-.336	.083	-.111	-.888
80	1429	.386	.208	1.153	-.500
80	1430	.358	.200	1.023	-.432
80	1431	.008	.132	.390	-.641
80	1432	-.274	.121	.094	-.810
80	1433	-.344	.115	-.004	-.778
80	1434	-.318	.086	-.064	-.803
80	1435	-.310	.083	-.092	-.873
80	1436	.263	.196	.908	-.417
80	1437	.242	.182	.869	-.337
80	1438	-.019	.112	.345	-.417
80	1439	-.260	.109	.038	-.653
80	1440	-.338	.106	-.008	-.815
80	1441	-.313	.082	-.048	-.754
80	1442	-.307	.081	-.093	-.776
80	1443	.225	.172	.953	-.315
80	1444	.221	.173	.778	-.326
80	1445	-.004	.107	.387	-.413
80	1446	-.236	.089	.066	-.622
80	1447	-.310	.095	-.062	-.743
80	1448	-.305	.083	-.076	-.765
80	1449	-.304	.089	-.070	-.785
80	1450	.173	.176	.747	-.359
80	1451	-.016	.103	.359	-.403
80	1452	-.298	.083	-.015	-.641
80	1453	-.297	.088	.038	-1.091
80	1454	.104	.161	.916	-.435
80	1455	.127	.162	.875	-.417
80	1456	-.029	.096	.339	-.353
80	1457	-.211	.085	.040	-.546
80	1458	-.266	.088	.042	-.608
80	1459	-.272	.077	-.047	-.667
80	1460	-.283	.081	-.044	-.865
80	1461	-.285	.099	.054	-1.371
80	1901	-.371	.160	.060	-1.286
80	1902	-.419	.114	.005	-1.002
80	1903	-.444	.109	-.071	-.906
80	1904	-.162	.129	.288	-.654
80	1905	-.346	.168	.404	-1.000
80	1906	-.381	.107	.085	-.817
80	1907	-.093	.128	.462	-.491
80	1908	-.110	.144	.446	-.679
80	1909	-.325	.158	.399	-.827
80	1910	-.292	.104	.070	-1.111
80	1911	-.293	.103	.111	-1.025
80	2101	-.334	.097	.035	-.777
80	2102	-.339	.100	-.016	-.871
80	2103	-.360	.105	.056	-.854
80	2104	-.368	.109	-.059	-.827

APPENDIX A -- PRESSURE DATA ; CONFIGURATION A : GATEWAY PROJECT TOWERS

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
80	2105	-.368	.100	-.036	-.765
80	2106	-.375	.103	-.042	-.856
80	2107	-.345	.096	-.075	-.908
80	2108	-.339	.091	-.017	-.679
80	2109	-.357	.090	-.087	-.682
80	2110	-.359	.090	-.099	-.751
80	2111	-.379	.097	-.101	-.772
80	2112	-.392	.101	.024	-.809
80	2113	-.294	.086	.004	-.822
80	2114	-.301	.084	-.031	-.911
80	2115	-.313	.078	-.013	-.666
80	2116	-.332	.085	-.075	-.757
80	2117	-.379	.096	-.048	-.780
80	2118	-.400	.101	-.089	-.809
80	2119	-.275	.095	.130	-.898
80	2120	-.280	.092	.060	-.904
80	2121	-.284	.077	-.017	-.738
80	2122	-.302	.078	-.019	-.712
80	2123	-.347	.098	.018	-.783
80	2124	-.377	.110	-.104	-.886
80	2125	-.267	.107	.050	-1.105
80	2126	-.274	.105	.020	-1.119
80	2127	-.282	.093	.046	-.845
80	2128	-.293	.084	.042	-.681
80	2129	-.340	.099	.001	-.714
80	2130	-.381	.112	-.038	-.792
80	2131	-.258	.115	.117	-1.262
80	2132	-.262	.115	.090	-1.147
80	2133	-.276	.098	.116	-.878
80	2134	-.289	.081	.083	-.736
80	2135	-.339	.097	-.033	-.801
80	2136	-.370	.111	-.012	-.904
80	2137	-.261	.109	.076	-1.332
80	2138	-.272	.109	.129	-1.396
80	2139	-.281	.112	.099	-.940
80	2140	-.269	.090	.211	-.618
80	2141	-.316	.103	.022	-.735
80	2142	-.360	.118	-.014	-.828
80	2143	-.250	.107	.002	-.996
80	2144	-.271	.113	.162	-1.255
80	2145	-.258	.098	.074	-.801
80	2146	-.325	.123	.081	-.799
80	2147	-.249	.104	.069	-.907
80	2148	-.268	.107	.200	-.811
80	2149	-.321	.119	.128	-.880
80	2150	-.247	.113	.095	-1.272
80	2151	-.250	.117	.073	-1.393
80	2152	-.257	.108	.425	-1.338
80	2153	-.263	.111	.137	-1.215
80	2154	-.228	.093	.349	-.627

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
80	2155	-.253	.094	.252	-.656
80	2201	-.408	.118	-.066	-1.145
80	2202	-.416	.126	-.070	-1.359
80	2203	-.416	.111	-.090	-.911
80	2204	-.426	.099	-.084	-.83^
80	2205	-.405	.099	-.123	-.761
80	2206	-.392	.093	-.101	-.717
80	2207	-.409	.093	-.107	-.752
80	2208	-.410	.104	-.146	-.878
80	2209	-.436	.105	-.176	-.849
80	2210	-.398	.093	-.167	-.755
80	2211	-.423	.100	-.149	-.750
80	2212	-.426	.094	-.127	-.732
80	2213	-.443	.097	-.111	-.736
80	2214	-.468	.097	-.167	-.860
80	2215	-.422	.109	-.108	-.902
80	2216	-.426	.106	-.145	-.806
80	2217	-.405	.086	-.187	-.702
80	2218	-.402	.086	-.196	-.782
80	2219	-.393	.086	-.157	-.746
80	2220	-.391	.086	-.116	-.828
80	2221	-.385	.084	-.117	-.800
80	2222	-.494	.149	-.107	-1.299
80	2223	-.468	.132	-.157	-1.167
80	2224	-.402	.095	-.150	-.736
80	2225	-.382	.088	-.125	-.717
80	2226	-.364	.086	-.072	-.693
80	2227	-.352	.088	-.057	-.972
80	2228	-.362	.091	-.070	-.780
80	2229	-.490	.155	-.042	-1.112
80	2230	-.461	.138	-.084	-1.123
80	2231	-.421	.107	-.094	-.758
80	2232	-.397	.093	-.145	-.799
80	2233	-.369	.090	-.127	-.917
80	2234	-.357	.097	-.054	-1.285
80	2235	-.353	.098	-.075	-1.282
80	2236	-.460	.157	-.068	-1.229
80	2237	-.431	.135	-.102	-1.082
80	2238	-.408	.112	-.159	-.816
80	2239	-.394	.111	-.127	-.809
80	2240	-.384	.118	-.102	-1.040
80	2241	-.366	.115	-.010	-1.274
80	2242	-.366	.120	-.018	-1.595
80	2243	-.447	.171	-.061	-1.342
80	2244	-.419	.150	-.087	-1.414
80	2245	-.400	.123	-.150	-.970
80	2246	-.403	.130	-.132	-.911
80	2247	-.384	.125	-.094	-1.219
80	2248	-.369	.115	-.063	-1.139
80	2249	-.364	.113	-.052	-1.092

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
80	2250	-.439	.180	.010	-1.511
80	2251	-.406	.131	-.085	-1.056
80	2252	-.398	.130	-.099	-1.183
80	2253	-.369	.119	-.077	-1.397
80	2254	-.241	.095	.167	-.711
80	2255	-.403	.175	.088	-1.733
80	2256	-.395	.155	-.000	-1.233
80	2257	-.381	.121	-.030	-.977
80	2258	-.394	.127	-.107	-1.028
80	2259	-.390	.124	-.087	-1.086
80	2260	-.372	.137	-.075	-1.538
80	2261	-.366	.131	-.077	-1.352
80	2301	.073	.096	.424	-.326
80	2302	.194	.122	.651	-.420
80	2303	.301	.165	.883	-.403
80	2304	.224	.156	.667	-.680
80	2305	.208	.148	.890	-.373
80	2306	.171	.137	.633	-.460
80	2307	.269	.153	.936	-.526
80	2308	.378	.178	.940	-.387
80	2309	.381	.190	.969	-.590
80	2310	.050	.102	.644	-.343
80	2311	.236	.128	.733	-.249
80	2312	.437	.172	.944	-.202
80	2313	.502	.213	1.190	-.364
80	2314	.505	.191	1.122	-.275
80	2315	.461	.180	1.015	-.269
80	2316	.425	.191	1.129	-.246
80	2317	.452	.206	1.082	-.395
80	2318	.421	.218	1.077	-.446
80	2319	.037	.112	.525	-.336
80	2320	.188	.135	.692	-.307
80	2321	.362	.184	1.057	-.315
80	2322	.435	.205	1.099	-.312
80	2323	.417	.197	1.077	-.229
80	2324	.437	.195	.997	-.315
80	2325	.439	.201	1.034	-.567
80	2326	.392	.209	1.148	-.358
80	2327	.337	.211	1.130	-.377
80	2328	.046	.118	.492	-.471
80	2329	.175	.151	.735	-.586
80	2330	.323	.196	.911	-.388
80	2331	.371	.205	1.053	-.298
80	2332	.369	.194	1.008	-.271
80	2333	.349	.205	1.047	-.242
80	2334	.347	.210	1.012	-.398
80	2335	.268	.201	.965	-.379
80	2336	.211	.186	.902	-.370
80	2337	-.007	.122	.408	-1.070
80	2338	.112	.146	.583	-.592

APPENDIX A -- PRESSURE DATA ;   CONFIGURATION A ; GATEWAY PROJECT TOWERS

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
80	2339	.225	.185	.934	-.360
80	2340	.251	.184	.982	-.332
80	2341	.265	.182	1.031	-.530
80	2342	.266	.191	.904	-.324
80	2343	.230	.193	1.028	-.535
80	2344	.164	.164	.812	-.457
80	2345	.109	.154	.736	-.569
80	2346	-.015	.124	.454	-.724
80	2347	.098	.128	.637	-.406
80	2348	.185	.177	.909	-.358
80	2349	.193	.175	.740	-.445
80	2350	.204	.163	.750	-.329
80	2351	.187	.166	.749	-.330
80	2352	.171	.177	.805	-.483
80	2353	.119	.144	.618	-.423
80	2354	.075	.131	.702	-.387
80	2355	-.065	.112	.399	-.517
80	2356	.041	.130	.582	-.464
80	2357	.125	.143	.692	-.479
80	2358	.143	.139	.704	-.478
80	2359	.156	.133	.731	-.355
80	2360	.143	.130	.657	-.299
80	2361	.146	.148	.701	-.288
80	2362	.103	.123	.737	-.390
80	2363	.065	.114	.685	-.429
80	2364	-.091	.107	.323	-.479
80	2365	.129	.135	.676	-.233
80	2366	.159	.135	.750	-.229
80	2367	.153	.127	.683	-.332
80	2368	.090	.104	.574	-.358
80	2369	-.037	.086	.323	-.379
80	2370	.064	.106	.628	-.238
80	2371	.186	.147	.971	-.217
80	2372	.231	.156	1.001	-.210
80	2373	.247	.156	.907	-.196
80	2374	.246	.157	1.049	-.195
80	2375	.220	.139	.957	-.231
80	2376	.172	.118	.855	-.355
80	2377	.154	.116	.824	-.362
80	2401	.166	.203	.733	-.874
80	2402	.177	.160	.735	-.659
80	2403	.113	.152	.682	-.560
80	2404	.102	.157	.644	-.739
80	2405	.056	.161	.558	-.641
80	2406	-.006	.150	.645	-.871
80	2407	-.063	.135	.476	-.810
80	2408	.322	.269	1.046	-.948
80	2409	.351	.234	1.034	-.912
80	2410	.314	.195	1.001	-.381
80	2411	.263	.189	.829	-.339

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
80	2412	.178	.181	.792	-.494
80	2413	.018	.146	.552	-.562
80	2414	-.125	.114	.485	-.511
80	2415	.162	.255	.848	-1.218
80	2416	.229	.239	.991	-.801
80	2417	.216	.164	.806	-.318
80	2418	.159	.144	.770	-.263
80	2419	.077	.138	.692	-.325
80	2420	-.038	.115	.443	-.377
80	2421	-.159	.104	.279	-.614
80	2422	.016	.201	.776	-.865
80	2423	.064	.198	.794	-.831
80	2424	.116	.116	.542	-.258
80	2425	.073	.100	.573	-.293
80	2426	.016	.102	.579	-.338
80	2427	-.055	.104	.497	-.395
80	2428	-.141	.103	.387	-.550
80	2429	-.086	.194	.596	-.988
80	2430	-.025	.183	.620	-.850
80	2431	.053	.097	.467	-.331
80	2432	.035	.083	.570	-.233
80	2433	-.002	.087	.586	-.394
80	2434	-.071	.094	.549	-.466
80	2435	-.145	.104	.428	-.646
80	2436	-.079	.161	.446	-1.024
80	2437	-.029	.152	.475	-.752
80	2438	.034	.088	.343	-.391
80	2439	.028	.076	.414	-.287
80	2440	-.008	.079	.569	-.328
80	2441	-.066	.096	.549	-.411
80	2442	-.131	.101	.516	-.586
80	2443	-.061	.133	.403	-.741
80	2444	-.012	.120	.437	-.620
80	2445	.035	.071	.376	-.329
80	2446	.029	.067	.297	-.267
80	2447	.000	.067	.340	-.345
80	2448	-.070	.078	.370	-.745
80	2449	-.138	.088	.413	-1.094
80	2450	-.000	.115	.349	-.610
80	2451	.066	.072	.374	-.350
80	2452	.033	.069	.295	-.483
80	2453	-.050	.069	.268	-.333
80	2454	-.115	.076	.231	-.649
80	2455	.044	.119	.386	-.529
80	2456	.079	.113	.490	-.526
80	2457	.107	.081	.444	-.230
80	2458	.090	.077	.484	-.158
80	2459	.061	.078	.496	-.262
80	2460	-.001	.078	.433	-.408
80	2461	-.063	.074	.453	-.387

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
80	2901	-.437	.161	.025	-1.470
80	2902	-.446	.123	-.057	-1.100
80	2903	-.477	.118	-.132	-.931
80	2904	-.460	.152	.144	-1.209
80	2905	-.519	.136	.074	-1.082
80	2906	-.506	.111	-.048	-1.090
80	2907	-.369	.145	.307	-1.066
80	2908	-.507	.130	.378	-1.230
80	2909	-.481	.123	-.105	-1.131
80	2910	-.241	.096	.207	-.679
80	2911	-.244	.091	.069	-.773
90	1101	-.443	.148	-.025	-1.272
90	1102	-.426	.161	.102	-1.270
90	1103	-.369	.159	.085	-1.126
90	1104	-.354	.144	.064	-1.008
90	1105	-.359	.127	.051	-1.036
90	1106	-.349	.121	.005	-1.032
90	1107	-.359	.100	.058	-.912
90	1108	-.357	.104	.140	-.852
90	1109	-.364	.128	.201	-1.221
90	1110	-.359	.120	.181	-1.085
90	1111	-.353	.103	.051	-.866
90	1112	-.346	.104	-.007	-1.014
90	1113	-.335	.082	-.110	-.892
90	1114	-.331	.083	-.108	-.895
90	1115	-.340	.090	-.118	-1.051
90	1116	-.339	.079	-.036	-.848
90	1117	-.341	.075	-.091	-.773
90	1118	-.349	.088	-.082	-.842
90	1119	-.300	.072	-.089	-.859
90	1120	-.292	.067	-.097	-.653
90	1121	-.299	.071	-.091	-.813
90	1122	-.306	.065	-.142	-.636
90	1123	-.315	.067	-.128	-.857
90	1124	-.320	.076	-.145	-.999
90	1125	-.289	.067	-.064	-.653
90	1126	-.287	.067	-.076	-.647
90	1127	-.294	.073	-.058	-.840
90	1128	-.302	.065	-.131	-.712
90	1129	-.308	.066	-.107	-.904
90	1130	-.312	.075	-.091	-.939
90	1131	-.285	.061	-.118	-.823
90	1132	-.286	.061	-.123	-.813
90	1133	-.290	.068	-.114	-1.016
90	1134	-.296	.061	-.131	-.718
90	1135	-.308	.066	-.113	-.692
90	1136	-.314	.086	-.144	-.868
90	1137	-.300	.059	-.160	-.695
90	1138	-.306	.062	-.132	-.744
90	1139	-.313	.065	-.162	-.676

APPENDIX A -- PRESSURE DATA ; CONFIGURATION A : GATEWAY PROJECT TOWERS

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
90	1140	-.323	.067	-.166	-.650
90	1141	-.336	.076	-.145	-.786
90	1142	-.341	.081	-.157	-.807
90	1143	-.306	.057	-.173	-.557
90	1144	-.306	.058	-.153	-.599
90	1145	-.316	.061	-.159	-.639
90	1146	-.315	.075	-.049	-1.533
90	1147	-.305	.058	-.167	-.533
90	1148	-.299	.052	-.152	-.592
90	1149	-.303	.052	-.162	-.629
90	1150	-.291	.054	-.149	-.593
90	1151	-.298	.058	-.098	-.538
90	1152	-.301	.055	-.107	-.694
90	1153	-.308	.060	-.132	-.636
90	1154	-.312	.064	-.163	-.809
90	1155	-.319	.071	-.097	-.833
90	1201	-.388	.132	-.044	-1.085
90	1202	-.393	.134	-.034	-1.176
90	1203	-.369	.123	-.011	-.918
90	1204	-.373	.133	.136	-1.109
90	1205	-.381	.145	.131	-1.856
90	1206	-.427	.147	.035	-1.031
90	1207	-.446	.153	.005	-1.195
90	1208	-.389	.132	-.109	-1.147
90	1209	-.382	.116	-.106	-1.051
90	1210	-.367	.107	-.039	-1.267
90	1211	-.362	.112	-.004	-.930
90	1212	-.372	.124	.022	-.981
90	1213	-.389	.130	.047	-.945
90	1214	-.393	.136	.010	-1.355
90	1215	-.365	.115	-.121	-1.267
90	1216	-.349	.093	-.109	-.769
90	1217	-.344	.083	-.089	-.708
90	1218	-.347	.100	-.065	-.806
90	1219	-.355	.118	.014	-.926
90	1220	-.391	.136	.041	-.886
90	1221	-.419	.152	.017	-1.068
90	1222	-.348	.117	-.060	-.979
90	1223	-.341	.098	-.116	-1.017
90	1224	-.342	.082	-.099	-.653
90	1225	-.353	.099	-.052	-.752
90	1226	-.360	.127	.050	-.904
90	1227	-.386	.155	.061	-.994
90	1228	-.442	.194	.062	-1.369
90	1229	-.353	.128	-.055	-1.236
90	1230	-.346	.112	-.015	-1.022
90	1231	-.350	.095	-.080	-.699
90	1232	-.344	.109	-.052	-.902
90	1233	-.349	.136	.008	-1.103
90	1234	-.379	.162	.042	-1.477
90	1235	-.400	.177	.071	-1.213
90	1236	-.336	.106	-.081	-1.006
90	1237	-.325	.090	-.107	-.785
90	1238	-.337	.088	-.118	-.810
90	1239	-.359	.111	-.099	-1.140
90	1240	-.366	.139	.001	-1.141
90	1241	-.383	.149	-.009	-1.113
90	1242	-.401	.161	-.002	-1.230
90	1243	-.316	.081	-.137	-1.068
90	1244	-.317	.078	-.141	-.999
90	1245	-.326	.077	-.100	-.825
90	1246	-.363	.106	-.116	-1.232
90	1247	-.398	.145	-.052	-1.626
90	1248	-.388	.128	-.057	-1.268
90	1249	-.448	.158	-.077	-1.655
90	1250	-.320	.072	-.130	-.776
90	1251	-.318	.073	-.109	-1.077
90	1252	-.369	.119	-.125	-.921
90	1253	-.413	.147	-.112	-1.236
90	1254	-.298	.068	-.075	-.655
90	1255	-.292	.067	-.078	-.671
90	1256	-.292	.062	-.132	-.660
90	1257	-.294	.068	-.034	-.627
90	1258	-.323	.087	.017	-.890
90	1259	-.383	.138	-.057	-1.234
90	1260	-.392	.145	-.086	-1.192
90	1301	-.428	.155	.073	-1.088
90	1302	-.434	.164	.103	-1.239
90	1303	-.513	.202	.293	-1.315
90	1304	-.505	.291	.536	-1.765
90	1305	-.605	.203	.003	-1.505
90	1306	-.648	.197	-.118	-1.557
90	1307	-.646	.203	-.052	-1.519
90	1308	-.765	.252	-.055	-2.349
90	1309	-.746	.241	-.219	-3.201
90	1310	-.421	.151	.254	-1.427
90	1311	-.425	.158	.115	-1.198
90	1312	-.558	.206	.099	-1.276
90	1313	-.593	.223	.366	-1.350
90	1314	-.601	.186	.073	-1.286
90	1315	-.634	.205	-.095	-1.397
90	1316	-.691	.220	-.073	-1.701
90	1317	-.710	.200	-.032	-1.583
90	1318	-.749	.218	-.108	-1.948
90	1319	-.471	.207	.081	-1.252
90	1320	-.465	.195	.194	-1.201
90	1321	-.586	.225	.123	-1.306
90	1322	-.640	.258	.393	-1.773
90	1323	-.620	.210	.306	-1.448
90	1324	-.628	.217	.018	-1.643
90	1325	-.718	.264	.151	-2.020
90	1326	-.669	.203	-.130	-2.034
90	1327	-.662	.196	-.103	-1.606
90	1328	-.479	.247	.196	-1.816
90	1329	-.475	.227	.186	-1.438
90	1330	-.596	.255	.200	-1.570
90	1331	-.643	.269	.166	-1.727
90	1332	-.602	.217	.154	-1.585
90	1333	-.617	.218	.045	-1.648
90	1334	-.696	.279	-.006	-2.298
90	1335	-.670	.226	.011	-1.976
90	1336	-.651	.212	.021	-1.778
90	1337	-.450	.240	.188	-1.614
90	1338	-.454	.228	.202	-1.432
90	1339	-.576	.249	.178	-1.613
90	1340	-.646	.272	.236	-1.921
90	1341	-.613	.225	.195	-1.525
90	1342	-.639	.237	.083	-1.759
90	1343	-.682	.270	.128	-1.909
90	1344	-.660	.211	.045	-1.754
90	1345	-.648	.206	-.013	-1.584
90	1346	-.412	.194	.053	-1.424
90	1347	-.412	.189	.075	-1.301
90	1348	-.525	.232	.315	-1.533
90	1349	-.596	.271	.221	-1.795
90	1350	-.575	.210	.117	-1.492
90	1351	-.645	.238	-.013	-1.807
90	1352	-.723	.280	-.015	-2.738
90	1353	-.723	.240	-.144	-2.077
90	1354	-.708	.229	-.162	-1.987
90	1355	-.390	.146	-.071	-1.075
90	1356	-.393	.153	.003	-1.091
90	1357	-.479	.216	.193	-1.506
90	1358	-.546	.260	.201	-1.809
90	1359	-.515	.186	-.039	-1.369
90	1360	-.566	.215	-.091	-1.637
90	1361	-.619	.251	.003	-1.965
90	1362	-.672	.246	-.137	-2.346
90	1363	-.683	.241	-.188	-2.356
90	1364	-.360	.116	-.033	-.880
90	1365	-.431	.184	.076	-1.294
90	1366	-.560	.223	-.080	-1.661
90	1367	-.644	.288	-.100	-2.115
90	1368	-.658	.222	-.068	-2.087
90	1369	-.329	.094	-.011	-.727
90	1370	-.319	.093	-.029	-.817
90	1371	-.344	.157	.114	-1.201
90	1372	-.415	.213	.247	-1.848
90	1373	-.419	.168	.051	-1.409
90	1374	-.513	.212	-.017	-1.769

APPENDIX A -- PRESSURE DATA ;   CONFIGURATION A ; GATEWAY PROJECT TOWERS

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
90	1375	-.581	.271	.073	-1.977
90	1376	-.636	.244	-.030	-2.433
90	1377	-.628	.236	-.048	-2.311
90	1401	.357	.163	.862	-.330
90	1402	.228	.142	.758	-.220
90	1403	-.018	.109	.428	-.418
90	1404	-.244	.099	.147	-.664
90	1405	-.317	.116	.150	-.854
90	1406	-.371	.132	.153	-.994
90	1407	-.465	.149	.159	-1.230
90	1408	.554	.189	1.301	-.103
90	1409	.539	.186	1.133	.024
90	1410	.154	.131	.698	-.536
90	1411	-.182	.107	.169	-.663
90	1412	-.328	.096	-.013	-.708
90	1413	-.415	.098	-.033	-.817
90	1414	-.439	.118	-.055	-1.092
90	1415	.544	.178	1.132	-.022
90	1416	.508	.186	1.096	-.064
90	1417	.130	.132	.610	-.373
90	1418	-.230	.115	.205	-.702
90	1419	-.347	.106	.016	-.749
90	1420	-.358	.085	-.144	-.825
90	1421	-.359	.088	-.154	-.996
90	1422	.498	.182	1.181	-.164
90	1423	.443	.172	1.041	-.245
90	1424	.089	.135	.498	-.642
90	1425	-.250	.126	.240	-.751
90	1426	-.355	.118	.021	-.870
90	1427	-.340	.090	-.057	-.768
90	1428	-.323	.080	-.093	-.769
90	1429	.408	.162	1.064	-.398
90	1430	.393	.158	.956	-.291
90	1431	.066	.121	.562	-.425
90	1432	-.233	.124	.238	-.825
90	1433	-.343	.116	.048	-.794
90	1434	-.323	.084	-.098	-.842
90	1435	-.309	.079	-.101	-.958
90	1436	.344	.164	1.045	-.156
90	1437	.322	.155	.983	-.154
90	1438	.030	.111	.545	-.431
90	1439	-.267	.113	.081	-.775
90	1440	-.354	.102	-.027	-.788
90	1441	-.325	.071	-.108	-.764
90	1442	-.309	.064	-.149	-.718
90	1443	.283	.141	.846	-.235
90	1444	.270	.141	.811	-.199
90	1445	.014	.092	.382	-.367
90	1446	-.252	.089	.048	-.677
90	1447	-.346	.086	-.064	-.773

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
90	1448	-.333	.063	-.132	-.606
90	1449	-.321	.062	-.137	-.613
90	1450	.231	.149	.822	-.244
90	1451	.013	.088	.501	-.395
90	1452	-.333	.077	-.034	-.597
90	1453	-.318	.057	-.143	-.660
90	1454	.211	.161	.836	-.306
90	1455	.210	.143	.795	-.165
90	1456	.005	.084	.354	-.302
90	1457	-.221	.081	.103	-.530
90	1458	-.293	.076	-.061	-.589
90	1459	-.302	.059	-.130	-.618
90	1460	-.304	.058	-.145	-.692
90	1461	-.300	.061	-.148	-.767
90	1901	-.504	.176	-.023	-1.381
90	1902	-.565	.117	-.249	-1.034
90	1903	-.608	.123	-.278	-1.147
90	1904	-.262	.160	.348	-.955
90	1905	-.562	.177	.030	-1.328
90	1906	-.598	.135	-.186	-1.110
90	1907	-.185	.155	.496	-.679
90	1908	-.251	.175	.647	-.781
90	1909	-.446	.182	.267	-1.176
90	1910	-.303	.057	-.110	-.536
90	1911	-.305	.057	-.118	-.540
90	2101	-.380	.086	-.096	-.710
90	2102	-.380	.089	-.121	-.761
90	2103	-.422	.094	-.071	-.747
90	2104	-.425	.094	-.123	-.811
90	2105	-.416	.086	-.163	-.776
90	2106	-.428	.088	-.177	-.920
90	2107	-.383	.081	-.135	-.704
90	2108	-.365	.078	-.088	-.681
90	2109	-.393	.077	-.112	-.741
90	2110	-.412	.078	-.165	-.675
90	2111	-.438	.082	-.194	-.757
90	2112	-.455	.086	-.198	-.765
90	2113	-.320	.078	-.031	-.665
90	2114	-.326	.075	-.033	-.673
90	2115	-.365	.075	-.087	-.628
90	2116	-.406	.081	-.146	-.747
90	2117	-.441	.083	-.142	-.776
90	2118	-.465	.087	-.158	-.837
90	2119	-.268	.077	.013	-.842
90	2120	-.270	.075	.025	-.834
90	2121	-.311	.069	-.021	-.582
90	2122	-.375	.078	-.082	-.651
90	2123	-.446	.082	-.163	-.710
90	2124	-.475	.087	-.169	-.759
90	2125	-.235	.074	.083	-.575

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
90	2126	-.241	.070	.014	-.560
90	2127	-.274	.066	.082	-.514
90	2128	-.338	.074	-.073	-.604
90	2129	-.423	.086	-.014	-.736
90	2130	-.461	.091	-.128	-.833
90	2131	-.205	.076	.044	-.561
90	2132	-.210	.074	.064	-.592
90	2133	-.267	.073	-.040	-.726
90	2134	-.348	.077	-.047	-.678
90	2135	-.452	.091	-.065	-.793
90	2136	-.489	.101	-.141	-.932
90	2137	-.225	.089	.109	-.773
90	2138	-.238	.085	.071	-.825
90	2139	-.268	.083	.071	-1.045
90	2140	-.333	.085	.059	-.743
90	2141	-.431	.098	-.154	-.908
90	2142	-.479	.110	-.153	-1.014
90	2143	-.250	.084	.088	-.624
90	2144	-.273	.082	.014	-.715
90	2145	-.319	.090	.033	-.733
90	2146	-.448	.110	-.091	-.963
90	2147	-.311	.088	.120	-.686
90	2148	-.384	.093	-.041	-.781
90	2149	-.427	.101	-.073	-.868
90	2150	-.242	.078	.041	-.575
90	2151	-.242	.078	.040	-.578
90	2152	-.263	.071	.070	-.599
90	2153	-.296	.079	.064	-.591
90	2154	-.300	.089	.071	-.659
90	2155	-.303	.082	.118	-.683
90	2201	-.459	.111	-.151	-1.178
90	2202	-.471	.116	-.175	-1.527
90	2203	-.466	.090	-.206	-.869
90	2204	-.455	.075	-.166	-.779
90	2205	-.461	.076	-.177	-.728
90	2206	-.454	.074	-.204	-.707
90	2207	-.427	.079	-.165	-.739
90	2208	-.493	.091	-.181	-.855
90	2209	-.465	.085	-.238	-.864
90	2210	-.473	.077	-.201	-.749
90	2211	-.470	.083	-.241	-.747
90	2212	-.487	.083	-.218	-.772
90	2213	-.500	.087	-.244	-.818
90	2214	-.484	.085	-.210	-.798
90	2215	-.500	.096	-.238	-.892
90	2216	-.495	.098	-.215	-.861
90	2217	-.465	.083	-.238	-.864
90	2218	-.452	.080	-.212	-.772
90	2219	-.439	.078	-.196	-.707
90	2220	-.430	.072	-.215	-.685

APPENDIX A -- PRESSURE DATA ; CONFIGURATION A : GATEWAY PROJECT TOWERS

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
90	2221	-.425	.071	-.210	-.679
90	2222	-.529	.110	-.219	-1.005
90	2223	-.521	.104	-.207	-1.013
90	2224	-.475	.092	-.206	-.926
90	2225	-.445	.081	-.195	-.721
90	2226	-.421	.080	-.162	-.726
90	2227	-.408	.080	-.116	-.702
90	2228	-.391	.079	-.162	-.701
90	2229	-.524	.122	-.250	-1.245
90	2230	-.512	.115	-.224	-1.220
90	2231	-.472	.095	-.231	-.908
90	2232	-.452	.083	-.189	-.718
90	2233	-.427	.080	-.173	-.719
90	2234	-.409	.080	-.164	-.726
90	2235	-.406	.080	-.163	-.728
90	2236	-.561	.133	-.237	-1.219
90	2237	-.547	.122	-.235	-1.087
90	2238	-.490	.095	-.240	-.941
90	2239	-.454	.082	-.221	-.759
90	2240	-.444	.085	-.218	-.735
90	2241	-.432	.083	-.175	-.729
90	2242	-.429	.085	-.171	-.729
90	2243	-.559	.141	-.231	-1.333
90	2244	-.534	.141	-.208	-1.519
90	2245	-.489	.105	-.235	-.955
90	2246	-.468	.099	-.224	-1.030
90	2247	-.452	.094	-.196	-1.027
90	2248	-.430	.092	-.167	-.805
90	2249	-.429	.090	-.168	-.802
90	2250	-.515	.162	-.153	-1.327
90	2251	-.468	.111	-.189	-1.078
90	2252	-.458	.104	-.191	-.984
90	2253	-.447	.097	-.195	-.837
90	2254	-.338	.088	.174	-.699
90	2255	-.490	.142	-.161	-1.200
90	2256	-.480	.145	-.107	-1.229
90	2257	-.454	.108	-.150	-1.198
90	2258	-.455	.103	-.160	-.857
90	2259	-.455	.102	-.175	-.913
90	2260	-.445	.097	-.165	-.830
90	2261	-.444	.096	-.178	-.814
90	2301	.105	.111	.506	-.213
90	2302	.215	.133	.726	-.274
90	2303	.329	.146	.909	-.145
90	2304	.183	.119	.687	-.303
90	2305	.192	.122	.695	-.283
90	2306	.195	.125	.741	-.254
90	2307	.281	.145	.774	-.160
90	2308	.342	.149	.832	-.148
90	2309	.327	.151	.852	-.185

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
90	2310	.106	.120	.554	-.245
90	2311	.291	.135	.689	-.082
90	2312	.456	.165	.976	-.021
90	2313	.509	.169	1.076	-.053
90	2314	.516	.174	1.026	.062
90	2315	.488	.169	1.012	.003
90	2316	.502	.164	1.013	-.070
90	2317	.495	.161	1.005	-.017
90	2318	.439	.167	.994	-.114
90	2319	.093	.103	.524	-.231
90	2320	.256	.125	.766	-.080
90	2321	.451	.155	1.003	.015
90	2322	.512	.166	1.159	.082
90	2323	.515	.164	1.075	.071
90	2324	.485	.167	1.026	.036
90	2325	.490	.167	1.010	.044
90	2326	.440	.169	1.080	-.005
90	2327	.374	.169	1.053	-.091
90	2328	.082	.097	.461	-.228
90	2329	.239	.116	.666	-.089
90	2330	.427	.144	.965	.060
90	2331	.451	.152	.999	.058
90	2332	.451	.147	.998	.090
90	2333	.445	.155	.974	.034
90	2334	.450	.153	1.005	.042
90	2335	.398	.154	1.149	-.177
90	2336	.339	.146	1.033	-.210
90	2337	.023	.093	.352	-.270
90	2338	.182	.110	.619	-.169
90	2339	.360	.144	.960	-.091
90	2340	.408	.149	1.029	-.091
90	2341	.417	.141	.877	-.118
90	2342	.401	.137	.832	.000
90	2343	.410	.144	.904	-.193
90	2344	.349	.138	.864	-.166
90	2345	.288	.142	.845	-.071
90	2346	.008	.088	.421	-.301
90	2347	.125	.098	.540	-.206
90	2348	.296	.123	.807	-.058
90	2349	.340	.127	.816	-.258
90	2350	.342	.121	.802	-.045
90	2351	.333	.122	.793	-.091
90	2352	.336	.127	.788	-.159
90	2353	.279	.125	.791	-.336
90	2354	.218	.134	.705	-.251
90	2355	-.075	.087	.333	-.471
90	2356	.061	.095	.505	-.280
90	2357	.213	.108	.796	-.103
90	2358	.256	.110	.815	-.037
90	2359	.264	.108	.858	.022

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
90	2360	.255	.106	.819	-.070
90	2361	.235	.109	.820	-.067
90	2362	.203	.109	.815	-.179
90	2363	.166	.110	.745	-.258
90	2364	-.111	.084	.262	-.390
90	2365	.176	.094	.601	-.090
90	2366	.245	.105	.784	-.271
90	2367	.232	.101	.847	-.072
90	2368	.171	.094	.594	-.107
90	2369	-.030	.070	.259	-.245
90	2370	.106	.083	.477	-.101
90	2371	.281	.123	.814	.001
90	2372	.341	.138	.925	.030
90	2373	.350	.136	.994	-.057
90	2374	.348	.136	1.051	-.035
90	2375	.333	.128	.974	-.038
90	2376	.293	.122	.944	-.053
90	2377	.266	.108	.769	-.044
90	2401	.013	.170	.555	-.705
90	2402	.075	.115	.521	-.540
90	2403	.004	.095	.441	-.535
90	2404	-.009	.091	.398	-.540
90	2405	-.054	.090	.402	-.482
90	2406	-.116	.083	.353	-.518
90	2407	-.160	.087	.283	-.672
90	2408	.226	.204	.882	-.689
90	2409	.293	.177	.845	-.721
90	2410	.276	.128	.687	-.133
90	2411	.210	.117	.597	-.299
90	2412	.124	.107	.735	-.209
90	2413	-.056	.083	.415	-.352
90	2414	-.190	.074	.142	-.462
90	2415	.232	.194	.870	-.917
90	2416	.276	.193	.848	-.641
90	2417	.245	.121	.691	-.165
90	2418	.165	.103	.576	-.200
90	2419	.051	.089	.474	-.286
90	2420	-.081	.067	.311	-.308
90	2421	-.221	.071	.071	-.490
90	2422	.128	.188	.794	-.584
90	2423	.175	.187	.805	-.546
90	2424	.210	.112	.649	-.337
90	2425	.134	.086	.566	-.249
90	2426	.022	.072	.386	-.240
90	2427	-.078	.063	.180	-.320
90	2428	-.180	.063	.060	-.515
90	2429	.077	.164	.647	-.510
90	2430	.141	.157	.608	-.484
90	2431	.174	.093	.510	-.115
90	2432	.104	.073	.381	-.091

APPENDIX A -- PRESSURE DATA ;   CONFIGURATION A : GATEWAY PROJECT TOWERS

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
90	2433	.004	.061	.330	-.208
90	2434	-.083	.054	.225	-.322
90	2435	-.165	.061	.120	-.454
90	2436	.044	.152	.731	-.772
90	2437	.082	.135	.546	-.537
90	2438	.107	.075	.429	-.204
90	2439	.062	.061	.310	-.152
90	2440	.003	.056	.282	-.190
90	2441	-.078	.052	.199	-.318
90	2442	-.142	.059	.109	-.473
90	2443	.053	.139	.510	-.747
90	2444	.100	.126	.508	-.466
90	2445	.117	.081	.459	-.127
90	2446	.073	.064	.396	-.210
90	2447	.015	.052	.245	-.231
90	2448	-.069	.054	.152	-.287
90	2449	-.138	.064	.079	-.415
90	2450	.088	.113	.545	-.514
90	2451	.122	.072	.453	-.087
90	2452	.035	.052	.257	-.147
90	2453	-.064	.049	.143	-.242
90	2454	-.140	.060	.080	-.508
90	2455	.147	.119	.598	-.499
90	2456	.186	.113	.650	-.389
90	2457	.181	.087	.575	-.110
90	2458	.135	.072	.480	-.053
90	2459	.074	.060	.365	-.084
90	2460	-.021	.051	.185	-.184
90	2461	-.085	.052	.148	-.275
90	2901	-.495	.123	-.104	-1.071
90	2902	-.493	.101	-.148	-.874
90	2903	-.509	.093	-.208	-.915
90	2904	-.504	.121	-.105	-1.033
90	2905	-.522	.107	-.137	-.981
90	2906	-.515	.089	-.177	-.887
90	2907	-.440	.117	.076	-.840
90	2908	-.520	.098	-.176	-1.032
90	2909	-.502	.092	-.205	-.836
90	2910	-.333	.088	.072	-.675
90	2911	-.322	.085	.021	-.658
100	1101	-.395	.095	-.074	-.954
100	1102	-.391	.105	-.038	-.978
100	1103	-.386	.131	-.030	-1.114
100	1104	-.389	.134	.071	-1.331
100	1105	-.392	.119	-.020	-1.021
100	1106	-.383	.116	-.024	-.997
100	1107	-.348	.069	-.120	-.648
100	1108	-.345	.069	-.115	-.677
100	1109	-.361	.087	-.074	-.863
100	1110	-.379	.095	-.104	-.927

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
100	1111	-.385	.090	-.117	-.832
100	1112	-.391	.102	-.070	-1.034
100	1113	-.341	.073	-.139	-.695
100	1114	-.336	.072	-.147	-.711
100	1115	-.349	.083	-.102	-.937
100	1116	-.372	.088	-.127	-1.034
100	1117	-.379	.084	-.155	-.923
100	1118	-.386	.101	-.149	-1.162
100	1119	-.318	.080	-.106	-.899
100	1120	-.308	.073	-.074	-.610
100	1121	-.320	.081	-.105	-.828
100	1122	-.334	.086	-.108	-.820
100	1123	-.340	.086	-.153	-.919
100	1124	-.336	.090	-.096	-1.004
100	1125	-.294	.069	-.076	-.569
100	1126	-.292	.068	-.073	-.568
100	1127	-.306	.078	-.074	-.783
100	1128	-.321	.081	-.119	-.850
100	1129	-.319	.084	-.117	-1.098
100	1130	-.318	.098	-.107	-1.366
100	1131	-.313	.064	-.122	-.639
100	1132	-.314	.063	-.134	-.643
100	1133	-.324	.077	-.102	-.837
100	1134	-.335	.079	-.158	-1.093
100	1135	-.327	.069	-.139	-.948
100	1136	-.343	.090	-.120	-1.010
100	1137	-.340	.067	-.163	-.662
100	1138	-.335	.060	-.160	-.592
100	1139	-.341	.060	-.174	-.632
100	1140	-.348	.064	-.175	-.704
100	1141	-.362	.080	-.178	-.914
100	1142	-.361	.083	-.168	-.991
100	1143	-.336	.058	-.181	-.611
100	1144	-.338	.059	-.135	-.623
100	1145	-.345	.062	-.167	-.915
100	1146	-.348	.088	-.069	-1.154
100	1147	-.333	.061	-.178	-.647
100	1148	-.341	.061	-.178	-.605
100	1149	-.346	.061	-.166	-.608
100	1150	-.334	.063	-.163	-.619
100	1151	-.317	.066	-.139	-.809
100	1152	-.342	.060	-.155	-.642
100	1153	-.330	.072	-.153	-.991
100	1154	-.358	.091	-.159	-1.020
100	1155	-.340	.103	.006	-1.300
100	1201	-.386	.107	-.089	-1.199
100	1202	-.390	.104	-.098	-.965
100	1203	-.380	.102	-.107	-.808
100	1204	-.383	.117	-.051	-.932
100	1205	-.398	.136	-.015	-1.183

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
100	1206	-.402	.118	-.090	-1.276
100	1207	-.403	.119	-.128	-1.627
100	1208	-.383	.092	-.098	-1.163
100	1209	-.375	.085	-.128	-.884
100	1210	-.370	.086	-.112	-.794
100	1211	-.375	.095	-.070	-.845
100	1212	-.400	.111	-.060	-1.000
100	1213	-.424	.121	-.064	-.948
100	1214	-.410	.110	-.124	-.978
100	1215	-.391	.099	-.153	-1.001
100	1216	-.372	.085	-.158	-.835
100	1217	-.365	.084	-.128	-.910
100	1218	-.356	.091	-.120	-.984
100	1219	-.361	.107	-.067	-1.082
100	1220	-.380	.115	-.097	-1.049
100	1221	-.395	.119	-.113	-1.117
100	1222	-.374	.118	-.110	-1.182
100	1223	-.362	.094	-.126	-1.119
100	1224	-.359	.081	-.114	-.832
100	1225	-.349	.095	-.073	-.815
100	1226	-.345	.109	-.011	-.962
100	1227	-.361	.117	-.010	-1.097
100	1228	-.405	.137	-.020	-1.057
100	1229	-.385	.121	-.084	-1.099
100	1230	-.374	.098	-.101	-.943
100	1231	-.370	.087	-.104	-.775
100	1232	-.372	.111	-.000	-1.028
100	1233	-.366	.123	.071	-.977
100	1234	-.383	.129	.054	-1.082
100	1235	-.394	.135	.075	-1.131
100	1236	-.392	.107	-.089	-1.095
100	1237	-.380	.086	-.164	-.854
100	1238	-.394	.088	-.151	-.875
100	1239	-.407	.107	-.123	-1.026
100	1240	-.390	.111	-.046	-.878
100	1241	-.397	.116	-.079	-1.119
100	1242	-.407	.121	-.085	-1.093
100	1243	-.349	.071	-.079	-.794
100	1244	-.356	.070	-.155	-.748
100	1245	-.368	.073	-.129	-.812
100	1246	-.403	.089	-.144	-.868
100	1247	-.412	.102	-.123	-1.003
100	1248	-.409	.112	-.138	-1.026
100	1249	-.439	.115	-.179	-1.137
100	1250	-.327	.057	-.130	-.561
100	1251	-.344	.064	-.116	-.856
100	1252	-.420	.107	-.179	-1.074
100	1253	-.448	.124	-.187	-1.059
100	1254	-.310	.053	-.142	-.608
100	1255	-.306	.052	-.151	-.614

APPENDIX A -- PRESSURE DATA ; CONFIGURATION A : GATEWAY PROJECT TOWERS

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
100	1256	-.314	.055	-.111	-.538
100	1257	-.341	.070	-.137	-.714
100	1258	-.391	.097	-.178	-.850
100	1259	-.463	.148	-.158	-1.483
100	1260	-.432	.129	-.109	-1.156
100	1301	-.411	.100	-.097	-.929
100	1302	-.371	.084	-.046	-1.066
100	1303	-.374	.111	-.028	-1.052
100	1304	.032	.322	.820	-1.228
100	1305	-.413	.208	.548	-1.122
100	1306	-.582	.225	-.137	-1.346
100	1307	-.517	.204	-.107	-1.455
100	1308	-.911	.322	.067	-2.198
100	1309	-.979	.330	-.019	-3.359
100	1310	-.419	.109	-.087	-.929
100	1311	-.372	.104	.031	-1.255
100	1312	-.380	.194	.100	-1.296
100	1313	-.293	.289	.687	-1.313
100	1314	-.510	.205	-.027	-1.527
100	1315	-.548	.257	-.046	-1.845
100	1316	-.624	.283	-.044	-1.881
100	1317	-.888	.254	.075	-2.015
100	1318	-.929	.262	-.037	-2.009
100	1319	-.408	.131	.002	-1.158
100	1320	-.396	.142	.028	-1.159
100	1321	-.487	.243	.186	-1.434
100	1322	-.549	.327	.566	-1.885
100	1323	-.556	.229	.084	-1.373
100	1324	-.613	.249	.043	-1.410
100	1325	-.691	.295	.068	-1.881
100	1326	-.782	.205	.100	-2.083
100	1327	-.799	.195	-.162	-1.790
100	1328	-.399	.157	.053	-1.202
100	1329	-.394	.168	.059	-1.248
100	1330	-.510	.261	.256	-1.594
100	1331	-.537	.341	.518	-1.932
100	1332	-.555	.241	.093	-1.547
100	1333	-.603	.265	-.012	-1.803
100	1334	-.691	.319	.033	-2.316
100	1335	-.813	.226	.067	-1.809
100	1336	-.796	.208	.013	-1.747
100	1337	-.350	.153	.059	-1.200
100	1338	-.353	.167	.063	-1.359
100	1339	-.449	.251	.224	-1.558
100	1340	-.506	.331	.396	-1.747
100	1341	-.524	.245	.045	-1.439
100	1342	-.592	.275	-.030	-1.743
100	1343	-.638	.314	.108	-2.046
100	1344	-.766	.248	.030	-2.048
100	1345	-.753	.229	-.069	-1.837

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
100	1346	-.342	.119	-.007	-1.337
100	1347	-.354	.131	-.004	-.969
100	1348	-.428	.217	.185	-1.348
100	1349	-.449	.318	.354	-1.589
100	1350	-.493	.221	.200	-1.312
100	1351	-.524	.265	-.046	-1.819
100	1352	-.582	.304	-.013	-2.208
100	1353	-.748	.259	.046	-2.325
100	1354	-.743	.229	-.028	-2.221
100	1355	-.352	.091	-.082	-.874
100	1356	-.337	.096	-.091	-.928
100	1357	-.357	.181	.211	-1.298
100	1358	-.316	.280	.541	-1.918
100	1359	-.443	.204	.037	-1.247
100	1360	-.483	.249	-.081	-1.660
100	1361	-.554	.298	-.007	-2.164
100	1362	-.734	.283	.103	-2.470
100	1363	-.717	.259	-.014	-2.468
100	1364	-.361	.083	-.114	-.789
100	1365	-.355	.161	.218	-1.158
100	1366	-.469	.231	-.028	-1.577
100	1367	-.544	.302	-.026	-2.083
100	1368	-.685	.242	.071	-1.983
100	1369	-.345	.075	-.109	-.689
100	1370	-.320	.070	-.110	-.679
100	1371	-.298	.126	.222	-.962
100	1372	-.329	.183	.240	-1.404
100	1373	-.351	.146	.103	-1.149
100	1374	-.433	.204	-.021	-1.751
100	1375	-.441	.250	-.019	-2.036
100	1376	-.570	.252	.008	-2.263
100	1377	-.569	.236	.032	-1.885
100	1401	.325	.160	.801	-.160
100	1402	.147	.134	.592	-.235
100	1403	-.073	.095	.237	-.417
100	1404	-.233	.075	.066	-.515
100	1405	-.287	.082	.161	-.679
100	1406	-.332	.084	.015	-.731
100	1407	-.443	.101	-.104	-.946
100	1408	.538	.183	1.108	-.045
100	1409	.480	.172	1.066	-.088
100	1410	.189	.125	.671	-.241
100	1411	-.079	.091	.236	-.457
100	1412	-.246	.080	.061	-.548
100	1413	-.379	.074	-.129	-.698
100	1414	-.402	.086	-.138	-.838
100	1415	.513	.173	1.060	-.026
100	1416	.474	.184	1.121	-.004
100	1417	.190	.131	.645	-.162
100	1418	-.109	.098	.354	-.537

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
100	1419	-.274	.096	.120	-.644
100	1420	-.362	.076	-.131	-.672
100	1421	-.385	.078	-.172	-.718
100	1422	.448	.169	1.002	.008
100	1423	.465	.163	1.192	.019
100	1424	.178	.115	.607	-.202
100	1425	-.131	.098	.276	-.594
100	1426	-.283	.100	.108	-.836
100	1427	-.320	.078	-.075	-.668
100	1428	-.323	.078	-.126	-.709
100	1429	.399	.154	.964	-.005
100	1430	.391	.155	.992	-.028
100	1431	.132	.113	.527	-.266
100	1432	-.141	.098	.176	-.538
100	1433	-.300	.100	.013	-.771
100	1434	-.311	.078	-.076	-.714
100	1435	-.309	.075	-.101	-.682
100	1436	.365	.147	.902	-.060
100	1437	.338	.143	.863	-.028
100	1438	.099	.102	.506	-.212
100	1439	-.167	.086	.203	-.561
100	1440	-.303	.091	-.034	-.767
100	1441	-.323	.068	-.114	-.614
100	1442	-.315	.066	-.148	-.583
100	1443	.270	.125	.858	-.089
100	1444	.246	.128	.711	-.110
100	1445	.052	.097	.435	-.357
100	1446	-.171	.074	.093	-.493
100	1447	-.294	.069	-.106	-.642
100	1448	-.331	.061	-.166	-.586
100	1449	-.336	.064	-.160	-.621
100	1450	.191	.121	.724	-.204
100	1451	.035	.101	.531	-.347
100	1452	-.298	.064	-.063	-.496
100	1453	-.342	.061	-.181	-.820
100	1454	.135	.131	.728	-.252
100	1455	.161	.133	.822	-.191
100	1456	.014	.100	.531	-.278
100	1457	-.172	.078	.182	-.424
100	1458	-.258	.066	.008	-.504
100	1459	-.299	.057	-.130	-.561
100	1460	-.315	.061	-.159	-.621
100	1461	-.320	.066	-.155	-.639
100	1901	-.450	.107	-.130	-1.251
100	1902	-.637	.123	-.301	-1.061
100	1903	-.745	.133	-.368	-1.235
100	1904	-.263	.148	.141	-.909
100	1905	-.575	.129	-.209	-1.067
100	1906	-.694	.131	-.253	-1.143
100	1907	-.262	.125	.353	-.750

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
100	1908	-.296	.123	.469	-.865
100	1909	-.142	.194	.517	-.912
100	1910	-.335	.063	-.152	-.688
100	1911	-.337	.064	-.161	-.651
100	2101	-.388	.084	-.125	-.729
100	2102	-.393	.087	-.043	-.699
100	2103	-.414	.092	-.115	-.752
100	2104	-.415	.085	-.140	-.760
100	2105	-.420	.079	-.186	-.714
100	2106	-.440	.086	-.188	-.778
100	2107	-.389	.072	-.172	-.740
100	2108	-.385	.072	-.178	-.720
100	2109	-.399	.068	-.187	-.653
100	2110	-.423	.072	-.191	-.675
100	2111	-.449	.079	-.226	-.727
100	2112	-.468	.087	-.218	-.811
100	2113	-.344	.067	-.047	-.651
100	2114	-.347	.066	-.132	-.640
100	2115	-.379	.067	-.168	-.628
100	2116	-.413	.071	-.221	-.687
100	2117	-.461	.081	-.204	-.770
100	2118	-.485	.090	-.206	-.852
100	2119	-.296	.067	-.040	-.599
100	2120	-.297	.065	-.033	-.587
100	2121	-.340	.063	-.062	-.573
100	2122	-.396	.066	-.051	-.635
100	2123	-.461	.079	-.143	-.785
100	2124	-.492	.092	-.225	-1.015
100	2125	-.264	.066	-.017	-.497
100	2126	-.268	.062	-.021	-.509
100	2127	-.303	.058	-.024	-.549
100	2128	-.363	.065	-.127	-.633
100	2129	-.444	.083	-.202	-.820
100	2130	-.476	.094	-.204	-.988
100	2131	-.242	.073	.153	-.621
100	2132	-.247	.071	.029	-.628
100	2133	-.294	.066	.043	-.642
100	2134	-.372	.070	-.127	-.672
100	2135	-.456	.086	-.206	-.814
100	2136	-.486	.098	-.159	-.951
100	2137	-.239	.078	.126	-.601
100	2138	-.250	.074	.115	-.586
100	2139	-.296	.074	.003	-.637
100	2140	-.372	.084	-.079	-.866
100	2141	-.451	.094	-.152	-.858
100	2142	-.478	.107	-.149	-1.022
100	2143	-.251	.082	.053	-.599
100	2144	-.288	.076	.093	-.823
100	2145	-.384	.093	-.107	-.789
100	2146	-.454	.103	-.154	-1.084

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
100	2147	-.364	.093	.009	-.807
100	2148	-.417	.092	-.083	-.900
100	2149	-.432	.104	-.147	-1.003
100	2150	-.267	.073	-.009	-.815
100	2151	-.267	.073	-.038	-.944
100	2152	-.285	.074	.052	-.552
100	2153	-.340	.083	.010	-.751
100	2154	-.349	.087	-.029	-.733
100	2155	-.350	.079	-.074	-.699
100	2201	-.499	.119	-.209	-1.276
100	2202	-.504	.113	-.213	-1.005
100	2203	-.489	.090	-.121	-.942
100	2204	-.468	.076	-.189	-.784
100	2205	-.430	.070	-.192	-.718
100	2206	-.423	.066	-.169	-.694
100	2207	-.424	.072	-.184	-.737
100	2208	-.473	.091	-.197	-.821
100	2209	-.467	.083	-.243	-.821
100	2210	-.447	.070	-.230	-.687
100	2211	-.473	.082	-.208	-.798
100	2212	-.476	.081	-.228	-.770
100	2213	-.490	.086	-.222	-.878
100	2214	-.488	.081	-.195	-.786
100	2215	-.499	.106	-.139	-.963
100	2216	-.492	.099	-.244	-.912
100	2217	-.460	.077	-.253	-.797
100	2218	-.439	.072	-.251	-.695
100	2219	-.423	.070	-.222	-.682
100	2220	-.408	.070	-.194	-.669
100	2221	-.406	.068	-.198	-.666
100	2222	-.521	.127	-.206	-1.132
100	2223	-.514	.117	-.219	-1.021
100	2224	-.477	.089	-.218	-.900
100	2225	-.445	.079	-.194	-.854
100	2226	-.423	.075	-.213	-.697
100	2227	-.409	.073	-.194	-.652
100	2228	-.402	.071	-.158	-.690
100	2229	-.551	.135	-.236	-1.216
100	2230	-.540	.121	-.249	-1.046
100	2231	-.490	.088	-.245	-.890
100	2232	-.452	.085	-.234	-.862
100	2233	-.428	.076	-.189	-.768
100	2234	-.414	.077	-.179	-.733
100	2235	-.411	.077	-.180	-.733
100	2236	-.537	.145	-.156	-1.351
100	2237	-.527	.133	-.161	-1.406
100	2238	-.482	.103	-.202	-1.042
100	2239	-.458	.094	-.203	-1.085
100	2240	-.457	.091	-.187	-.974
100	2241	-.448	.085	-.203	-.760

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
100	2242	-.443	.087	-.190	-.767
100	2243	-.524	.141	-.111	-1.226
100	2244	-.523	.132	-.220	-1.174
100	2245	-.503	.106	-.233	-1.040
100	2246	-.501	.107	-.231	-.963
100	2247	-.490	.100	-.215	-.887
100	2248	-.462	.094	-.225	-.874
100	2249	-.463	.092	-.218	-.884
100	2250	-.467	.131	-.163	-1.195
100	2251	-.465	.104	-.173	-1.090
100	2252	-.476	.112	-.211	-1.067
100	2253	-.471	.106	-.223	-.968
100	2254	-.363	.083	-.067	-.733
100	2255	-.435	.134	-.067	-1.166
100	2256	-.419	.129	-.077	-1.131
100	2257	-.434	.098	-.186	-.889
100	2258	-.463	.106	-.204	-1.051
100	2259	-.465	.107	-.166	-1.175
100	2260	-.465	.123	-.170	-1.974
100	2261	-.466	.120	-.169	-1.825
100	2301	.218	.126	.760	-.261
100	2302	.309	.143	.814	-.290
100	2303	.343	.150	.815	-.261
100	2304	.146	.117	.490	-.401
100	2305	.187	.124	.614	-.391
100	2306	.228	.136	.642	-.337
100	2307	.286	.146	.784	-.239
100	2308	.261	.137	.824	-.278
100	2309	.203	.134	.781	-.290
100	2310	.221	.133	.737	-.192
100	2311	.383	.152	.858	-.118
100	2312	.504	.177	1.155	-.038
100	2313	.519	.177	1.105	.032
100	2314	.509	.165	1.037	.033
100	2315	.494	.166	1.031	.036
100	2316	.506	.160	1.063	.009
100	2317	.408	.143	.913	-.013
100	2318	.294	.146	.792	-.170
100	2319	.189	.130	.693	-.208
100	2320	.346	.154	.923	-.082
100	2321	.496	.171	1.188	-.013
100	2322	.517	.172	1.197	.071
100	2323	.524	.170	1.197	.078
100	2324	.510	.171	1.132	.034
100	2325	.490	.170	1.114	.048
100	2326	.374	.158	.977	-.080
100	2327	.267	.154	.832	-.250
100	2328	.130	.123	.596	-.196
100	2329	.267	.141	.870	-.122
100	2330	.410	.157	1.122	.064

APPENDIX A -- PRESSURE DATA ;   CONFIGURATION A : GATEWAY PROJECT TOWERS

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
100	2331	.458	.153	1.105	.074
100	2332	.465	.149	1.173	.109
100	2333	.476	.147	.988	.100
100	2334	.444	.150	1.036	.069
100	2335	.356	.134	.843	-.050
100	2336	.269	.130	.717	-.147
100	2337	.072	.110	.589	-.289
100	2338	.224	.125	.727	-.137
100	2339	.371	.144	.954	.029
100	2340	.396	.143	.927	.059
100	2341	.402	.136	.994	.064
100	2342	.400	.140	.891	.063
100	2343	.376	.136	.921	-.017
100	2344	.290	.127	.782	-.093
100	2345	.220	.131	.801	-.114
100	2346	.060	.114	.524	-.278
100	2347	.185	.122	.677	-.132
100	2348	.318	.148	.913	-.067
100	2349	.323	.129	.967	-.040
100	2350	.330	.126	.950	.022
100	2351	.320	.127	.937	-.013
100	2352	.310	.125	.958	-.050
100	2353	.217	.117	.662	-.085
100	2354	.175	.115	.719	-.178
100	2355	-.029	.109	.444	-.374
100	2356	.112	.113	.611	-.203
100	2357	.244	.117	.668	-.025
100	2358	.270	.114	.755	.001
100	2359	.275	.111	.698	.034
100	2360	.268	.109	.701	.016
100	2361	.249	.110	.700	-.062
100	2362	.195	.102	.719	-.124
100	2363	.143	.106	.677	-.185
100	2364	-.073	.093	.313	-.420
100	2365	.195	.100	.704	-.037
100	2366	.232	.103	.692	-.000
100	2367	.244	.100	.665	-.041
100	2368	.141	.092	.575	-.105
100	2369	-.016	.082	.367	-.291
100	2370	.127	.091	.573	-.088
100	2371	.298	.121	.875	.029
100	2372	.351	.131	.910	.080
100	2373	.368	.136	1.176	.054
100	2374	.373	.142	1.175	.048
100	2375	.343	.125	.898	.055
100	2376	.272	.110	.756	-.010
100	2377	.209	.101	.644	-.035
100	2401	-.235	.169	.327	-.835
100	2402	-.052	.135	.297	-.773
100	2403	-.085	.076	.192	-.370

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
100	2404	-.094	.070	.171	-.383
100	2405	-.134	.067	.178	-.441
100	2406	-.191	.062	.083	-.443
100	2407	-.239	.066	.044	-.535
100	2408	-.060	.213	.801	-.879
100	2409	.043	.203	.750	-.767
100	2410	.151	.105	.535	-.150
100	2411	.093	.093	.428	-.162
100	2412	.007	.082	.320	-.210
100	2413	-.140	.058	.137	-.329
100	2414	-.271	.058	-.073	-.496
100	2415	-.002	.199	.656	-.697
100	2416	-.007	.210	.641	-.809
100	2417	.170	.109	.626	-.099
100	2418	.097	.089	.494	-.116
100	2419	-.019	.071	.309	-.211
100	2420	-.139	.052	.092	-.310
100	2421	-.272	.053	-.093	-.448
100	2422	-.038	.175	.531	-.721
100	2423	.006	.191	.599	-.669
100	2424	.157	.088	.509	-.115
100	2425	.080	.077	.408	-.111
100	2426	-.029	.060	.235	-.193
100	2427	-.121	.050	.106	-.287
100	2428	-.217	.051	-.001	-.429
100	2429	-.067	.185	.604	-.792
100	2430	-.002	.195	.574	-.743
100	2431	.123	.088	.502	-.127
100	2432	.062	.070	.420	-.116
100	2433	-.032	.057	.333	-.196
100	2434	-.121	.049	.073	-.274
100	2435	-.203	.055	.067	-.416
100	2436	-.054	.167	.561	-.745
100	2437	.008	.177	.589	-.629
100	2438	.096	.080	.478	-.125
100	2439	.053	.066	.358	-.111
100	2440	-.021	.052	.250	-.164
100	2441	-.107	.052	.095	-.290
100	2442	-.166	.053	.042	-.350
100	2443	-.026	.143	.574	-.535
100	2444	.020	.142	.536	-.599
100	2445	.082	.074	.444	-.119
100	2446	.042	.058	.308	-.112
100	2447	-.015	.048	.236	-.159
100	2448	-.093	.048	.167	-.243
100	2449	-.161	.056	.058	-.378
100	2450	.027	.132	.443	-.641
100	2451	.097	.065	.422	-.105
100	2452	.015	.049	.229	-.125
100	2453	-.084	.047	.095	-.265

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
100	2454	-.153	.054	.068	-.362
100	2455	.093	.119	.505	-.379
100	2456	.138	.112	.532	-.414
100	2457	.152	.079	.545	-.048
100	2458	.114	.076	.484	-.083
100	2459	.049	.062	.344	-.135
100	2460	-.048	.054	.193	-.255
100	2461	-.112	.051	.086	-.330
100	2901	-.485	.118	-.050	-1.000
100	2902	-.493	.098	-.139	-.865
100	2903	-.511	.085	-.197	-.857
100	2904	-.474	.120	.056	-1.026
100	2905	-.517	.101	-.169	-1.048
100	2906	-.511	.080	-.236	-.953
100	2907	-.463	.115	.041	-1.065
100	2908	-.515	.085	-.227	-.962
100	2909	-.500	.084	-.224	-.818
100	2910	-.361	.085	.000	-.770
100	2911	-.357	.084	-.070	-.736
110	1101	-.357	.078	-.134	-.839
110	1102	-.342	.074	-.144	-.792
110	1103	-.354	.081	-.094	-1.005
110	1104	-.376	.086	-.081	-.805
110	1105	-.399	.089	-.073	-.883
110	1106	-.408	.100	-.073	-1.056
110	1107	-.360	.078	-.170	-.694
110	1108	-.359	.077	-.172	-.682
110	1109	-.378	.083	-.162	-.746
110	1110	-.396	.086	-.187	-.772
110	1111	-.418	.086	-.154	-.880
110	1112	-.411	.099	-.146	-1.062
110	1113	-.363	.070	-.175	-.659
110	1114	-.363	.069	-.176	-.665
110	1115	-.375	.076	-.165	-.835
110	1116	-.382	.085	-.192	-.982
110	1117	-.397	.095	-.180	-1.130
110	1118	-.406	.114	-.188	-1.215
110	1119	-.349	.079	-.042	-.750
110	1120	-.350	.079	-.016	-.681
110	1121	-.366	.082	-.099	-.825
110	1122	-.388	.100	-.169	-1.099
110	1123	-.395	.117	-.151	-1.111
110	1124	-.396	.139	-.134	-1.685
110	1125	-.363	.090	-.109	-.807
110	1126	-.361	.087	-.128	-.802
110	1127	-.377	.096	-.121	-.893
110	1128	-.393	.118	-.071	-1.409
110	1129	-.404	.122	-.132	-1.228
110	1130	-.404	.137	-.110	-1.723
110	1131	-.399	.080	-.157	-.738

APPENDIX A -- PRESSURE DATA ; CONFIGURATION A : GATEWAY PROJECT TOWERS

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
110	1132	-.396	.079	-.163	-.801
110	1133	-.401	.086	-.167	-.862
110	1134	-.415	.097	-.183	-1.091
110	1135	-.430	.129	-.144	-1.367
110	1136	-.442	.126	-.110	-1.317
110	1137	-.413	.087	-.173	-.953
110	1138	-.418	.090	-.220	-.980
110	1139	-.430	.096	-.219	-1.299
110	1140	-.448	.109	-.190	-1.208
110	1141	-.475	.138	.009	-1.555
110	1142	-.478	.149	-.087	-1.472
110	1143	-.420	.089	-.237	-.953
110	1144	-.425	.104	-.191	-1.466
110	1145	-.436	.116	-.134	-1.376
110	1146	-.445	.148	-.025	-1.708
110	1147	-.422	.092	-.224	-.992
110	1148	-.411	.094	-.210	-.995
110	1149	-.420	.096	-.227	-1.000
110	1150	-.410	.091	-.207	-.914
110	1151	-.422	.092	-.204	-.882
110	1152	-.417	.090	-.102	-1.085
110	1153	-.429	.111	.006	-1.245
110	1154	-.444	.160	-.055	-1.379
110	1155	-.470	.189	.053	-2.048
110	1201	-.413	.094	-.135	-.870
110	1202	-.428	.097	-.119	-.880
110	1203	-.411	.104	-.127	-.990
110	1204	-.398	.102	-.042	-.937
110	1205	-.384	.106	-.089	-.985
110	1206	-.386	.091	-.152	-.892
110	1207	-.384	.088	-.151	-.890
110	1208	-.412	.093	-.129	-1.170
110	1209	-.399	.086	-.167	-.852
110	1210	-.387	.081	-.157	-.742
110	1211	-.375	.081	-.177	-.817
110	1212	-.369	.078	-.163	-.753
110	1213	-.376	.077	-.182	-.733
110	1214	-.355	.068	-.126	-.646
110	1215	-.407	.105	-.141	-1.159
110	1216	-.404	.085	-.195	-.920
110	1217	-.390	.070	-.203	-.776
110	1218	-.377	.067	-.190	-.897
110	1219	-.363	.069	-.187	-.900
110	1220	-.346	.067	-.167	-.767
110	1221	-.346	.067	-.162	-.708
110	1222	-.415	.120	-.143	-1.282
110	1223	-.403	.092	-.190	-.888
110	1224	-.383	.067	-.195	-.784
110	1225	-.365	.064	-.167	-.763
110	1226	-.350	.063	-.152	-.753

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
110	1227	-.343	.063	-.187	-.764
110	1228	-.367	.079	-.131	-.952
110	1229	-.441	.122	-.037	-1.258
110	1230	-.431	.098	-.064	-.921
110	1231	-.420	.082	-.127	-.979
110	1232	-.404	.081	-.100	-.882
110	1233	-.385	.077	-.134	-.990
110	1234	-.382	.079	-.191	-.912
110	1235	-.380	.079	-.187	-.909
110	1236	-.454	.101	-.141	-1.196
110	1237	-.444	.087	-.201	-1.042
110	1238	-.448	.082	-.150	-.799
110	1239	-.445	.079	-.210	-.900
110	1240	-.448	.085	-.086	-.921
110	1241	-.445	.085	-.223	-.953
110	1242	-.447	.087	-.225	-.973
110	1243	-.414	.087	-.102	-.942
110	1244	-.399	.080	-.134	-.748
110	1245	-.440	.083	-.156	-.812
110	1246	-.478	.096	-.184	-.998
110	1247	-.482	.104	-.256	-1.122
110	1248	-.463	.094	-.228	-1.063
110	1249	-.472	.088	-.248	-1.094
110	1250	-.378	.080	-.021	-.842
110	1251	-.395	.086	-.079	-.732
110	1252	-.476	.099	-.234	-.952
110	1253	-.478	.101	-.231	-1.020
110	1254	-.312	.065	-.060	-.631
110	1255	-.297	.064	-.065	-.554
110	1256	-.328	.089	-.021	-.657
110	1257	-.392	.080	-.045	-.839
110	1258	-.438	.087	-.179	-.848
110	1259	-.463	.109	-.215	-1.129
110	1260	-.469	.113	-.210	-1.124
110	1301	-.368	.062	-.151	-.593
110	1302	-.309	.053	-.057	-.512
110	1303	-.273	.063	.016	-.644
110	1304	.207	.188	.952	-.540
110	1305	-.234	.068	.315	-.645
110	1306	-.213	.098	.001	-.998
110	1307	-.206	.072	.009	-.852
110	1308	-.313	.305	.239	-1.619
110	1309	-.487	.382	.392	-2.192
110	1310	-.371	.070	-.191	-.802
110	1311	-.307	.059	-.143	-.641
110	1312	-.222	.074	-.005	-.813
110	1313	.128	.174	.757	-.672
110	1314	-.212	.081	.008	-.767
110	1315	-.180	.094	.069	-.785
110	1316	-.194	.113	.069	-.935

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
110	1317	-.366	.364	.442	-1.604
110	1318	-.502	.384	.571	-1.651
110	1319	-.361	.071	-.182	-.799
110	1320	-.311	.066	-.129	-.841
110	1321	-.232	.089	.082	-.935
110	1322	-.038	.234	.651	-1.138
110	1323	-.213	.145	.168	-1.055
110	1324	-.220	.178	.134	-1.231
110	1325	-.241	.216	.175	-1.685
110	1326	-.527	.337	.392	-1.616
110	1327	-.584	.279	.543	-1.459
110	1328	-.335	.063	-.102	-.695
110	1329	-.292	.066	-.033	-.708
110	1330	-.260	.116	.092	-.972
110	1331	-.079	.248	.538	-1.408
110	1332	-.223	.162	.124	-1.090
110	1333	-.203	.170	.118	-1.382
110	1334	-.252	.239	.182	-1.470
110	1335	-.521	.334	.481	-1.978
110	1336	-.556	.272	.655	-1.775
110	1337	-.293	.068	-.105	-.681
110	1338	-.273	.071	-.076	-.679
110	1339	-.253	.115	.132	-1.038
110	1340	-.107	.231	.566	-1.139
110	1341	-.230	.159	.148	-1.000
110	1342	-.244	.193	.173	-1.064
110	1343	-.228	.208	.253	-1.420
110	1344	-.462	.359	.514	-2.121
110	1345	-.515	.320	.634	-2.336
110	1346	-.339	.064	-.152	-.680
110	1347	-.304	.060	-.096	-.664
110	1348	-.256	.088	.041	-1.131
110	1349	-.059	.184	.610	-1.381
110	1350	-.201	.119	.111	-1.096
110	1351	-.204	.144	.052	-1.127
110	1352	-.210	.167	.054	-1.442
110	1353	-.384	.327	.278	-1.938
110	1354	-.444	.306	.518	-1.875
110	1355	-.373	.066	-.146	-.743
110	1356	-.324	.063	-.113	-.733
110	1357	-.239	.078	.007	-.830
110	1358	-.106	.187	.439	-1.368
110	1359	-.212	.113	.082	-.989
110	1360	-.205	.137	.080	-1.254
110	1361	-.227	.162	.175	-1.294
110	1362	-.379	.303	.451	-1.873
110	1363	-.412	.307	.360	-1.928
110	1364	-.368	.072	-.152	-.733
110	1365	-.251	.073	.082	-.877
110	1366	-.225	.153	.030	-1.261

APPENDIX A -- PRESSURE DATA ;   CONFIGURATION A : GATEWAY PROJECT TOWERS

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
110	1367	-.223	.166	.095	-1.574
110	1368	-.378	.263	.426	-1.607
110	1369	-.349	.067	-.146	-.646
110	1370	-.302	.058	-.097	-.570
110	1371	-.219	.062	.000	-.609
110	1372	-.125	.112	.380	-.812
110	1373	-.168	.088	.276	-.623
110	1374	-.186	.104	.166	-.979
110	1375	-.201	.142	.132	-1.338
110	1376	-.283	.227	.210	-1.625
110	1377	-.312	.224	.229	-1.489
110	1401	.242	.144	.702	-.233
110	1402	.058	.113	.512	-.326
110	1403	-.137	.081	.150	-.409
110	1404	-.232	.071	.121	-.455
110	1405	-.243	.064	.028	-.530
110	1406	-.290	.061	-.054	-.604
110	1407	-.422	.081	-.188	-.899
110	1408	.478	.174	1.033	-.124
110	1409	.371	.161	.893	-.086
110	1410	.119	.113	.574	-.249
110	1411	-.072	.075	.201	-.322
110	1412	-.209	.060	.040	-.463
110	1413	-.360	.066	-.129	-.741
110	1414	-.404	.083	-.169	-.878
110	1415	.503	.184	1.015	-.386
110	1416	.421	.170	.947	-.037
110	1417	.160	.120	.583	-.162
110	1418	-.076	.081	.238	-.333
110	1419	-.235	.074	.064	-.515
110	1420	-.353	.067	-.081	-.728
110	1421	-.389	.074	-.162	-.828
110	1422	.419	.175	1.028	-.517
110	1423	.351	.163	.979	-.073
110	1424	.146	.124	.618	-.208
110	1425	-.096	.083	.213	-.401
110	1426	-.255	.082	.065	-.562
110	1427	-.338	.077	-.087	-.651
110	1428	-.365	.076	-.133	-.798
110	1429	.407	.166	.974	-.517
110	1430	.343	.160	.835	-.115
110	1431	.104	.116	.482	-.257
110	1432	-.124	.083	.201	-.443
110	1433	-.271	.083	.049	-.602
110	1434	-.347	.081	-.038	-.740
110	1435	-.369	.084	-.132	-.806
110	1436	.317	.146	.848	-.463
110	1437	.261	.135	.814	-.175
110	1438	.050	.098	.465	-.239
110	1439	-.151	.080	.140	-.429

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
110	1440	-.293	.080	.013	-.577
110	1441	-.367	.077	-.124	-.725
110	1442	-.400	.083	-.167	-.859
110	1443	.237	.158	.850	-.625
110	1444	.190	.131	.712	-.335
110	1445	.014	.105	.472	-.258
110	1446	-.168	.079	.216	-.415
110	1447	-.289	.069	-.046	-.577
110	1448	-.373	.075	-.152	-.804
110	1449	-.405	.088	-.201	-.985
110	1450	.168	.133	.837	-.721
110	1451	-.009	.098	.365	-.290
110	1452	-.303	.067	-.059	-.536
110	1453	-.419	.080	-.182	-.840
110	1454	.096	.125	.691	-.682
110	1455	.120	.129	.827	-.431
110	1456	-.023	.104	.448	-.317
110	1457	-.180	.083	.137	-.453
110	1458	-.265	.069	-.037	-.539
110	1459	-.353	.068	-.162	-.708
110	1460	-.395	.079	-.207	-.887
110	1461	-.418	.098	-.198	-1.218
110	1901	-.273	.103	-.024	-.752
110	1902	-.467	.108	-.183	-.919
110	1903	-.723	.182	-.019	-1.222
110	1904	-.032	.101	.288	-.437
110	1905	-.310	.147	.094	-.837
110	1906	-.551	.106	-.183	-1.065
110	1907	-.049	.108	.322	-.544
110	1908	-.133	.107	.189	-.592
110	1909	-.164	.182	.608	-.719
110	1910	-.409	.085	-.196	-.799
110	1911	-.412	.085	-.207	-.802
110	2101	-.377	.083	-.132	-.695
110	2102	-.392	.089	-.075	-.759
110	2103	-.392	.091	-.087	-.745
110	2104	-.391	.086	-.077	-.830
110	2105	-.422	.092	-.118	-.795
110	2106	-.443	.101	-.108	-.885
110	2107	-.376	.073	-.111	-.716
110	2108	-.389	.074	-.113	-.722
110	2109	-.391	.076	-.148	-.700
110	2110	-.422	.077	-.157	-.712
110	2111	-.454	.092	-.168	-.842
110	2112	-.481	.105	-.130	-.909
110	2113	-.341	.062	-.157	-.653
110	2114	-.345	.060	-.159	-.653
110	2115	-.375	.065	-.179	-.633
110	2116	-.406	.071	-.161	-.688
110	2117	-.459	.093	-.089	-.837

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
110	2118	-.490	.109	-.098	-.956
110	2119	-.303	.058	-.086	-.513
110	2120	-.305	.056	-.084	-.509
110	2121	-.336	.058	-.110	-.582
110	2122	-.380	.069	-.120	-.619
110	2123	-.437	.097	-.068	-.780
110	2124	-.475	.119	-.093	-.911
110	2125	-.303	.062	-.039	-.554
110	2126	-.307	.060	-.054	-.550
110	2127	-.338	.062	-.092	-.577
110	2128	-.388	.074	-.121	-.643
110	2129	-.445	.103	-.044	-.825
110	2130	-.483	.121	-.037	-.961
110	2131	-.291	.063	.052	-.531
110	2132	-.297	.061	-.062	-.554
110	2133	-.340	.070	-.098	-.653
110	2134	-.393	.082	-.147	-.734
110	2135	-.442	.105	-.123	-.913
110	2136	-.467	.119	-.116	-.993
110	2137	-.273	.066	.067	-.521
110	2138	-.287	.063	.039	-.509
110	2139	-.352	.073	-.068	-.678
110	2140	-.407	.087	-.148	-.781
110	2141	-.424	.097	-.103	-.929
110	2142	-.443	.106	-.093	-.986
110	2143	-.268	.076	.046	-.602
110	2144	-.325	.079	-.027	-.741
110	2145	-.384	.088	-.150	-.828
110	2146	-.402	.087	-.127	-.768
110	2147	-.363	.087	-.115	-.809
110	2148	-.381	.083	-.123	-.743
110	2149	-.388	.091	-.091	-.889
110	2150	-.282	.064	-.017	-.555
110	2151	-.280	.064	-.001	-.540
110	2152	-.301	.071	.025	-.597
110	2153	-.349	.076	-.075	-.748
110	2154	-.352	.076	-.092	-.722
110	2155	-.356	.072	-.143	-.756
110	2201	-.493	.133	-.084	-1.092
110	2202	-.493	.123	-.076	-1.059
110	2203	-.497	.112	-.043	-1.007
110	2204	-.484	.101	-.155	-1.008
110	2205	-.465	.083	-.167	-.851
110	2206	-.459	.076	-.208	-.749
110	2207	-.426	.077	-.187	-.790
110	2208	-.505	.128	-.115	-1.063
110	2209	-.464	.108	-.047	-1.050
110	2210	-.478	.094	-.130	-.829
110	2211	-.494	.090	-.177	-.839
110	2212	-.480	.086	-.194	-.870

APPENDIX A -- PRESSURE DATA ;   CONFIGURATION A : GATEWAY PROJECT TOWERS

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
110	2213	-.504	.094	-.242	-.955
110	2214	-.494	.096	-.212	-1.021
110	2215	-.518	.138	-.068	-1.078
110	2216	-.510	.130	-.093	-1.069
110	2217	-.475	.101	-.082	-.927
110	2218	-.461	.097	-.075	-.946
110	2219	-.439	.085	-.194	-.797
110	2220	-.422	.083	-.170	-.744
110	2221	-.418	.081	-.182	-.727
110	2222	-.551	.175	.050	-1.308
110	2223	-.534	.153	.055	-1.227
110	2224	-.491	.118	-.117	-1.098
110	2225	-.471	.114	-.119	-1.077
110	2226	-.444	.096	-.151	-.939
110	2227	-.425	.088	-.168	-.869
110	2228	-.414	.087	-.093	-.826
110	2229	-.547	.179	-.102	-1.428
110	2230	-.528	.153	-.085	-1.292
110	2231	-.487	.126	-.115	-1.101
110	2232	-.486	.118	-.141	-1.390
110	2233	-.460	.096	-.124	-1.052
110	2234	-.443	.090	-.155	-1.034
110	2235	-.438	.088	-.159	-.925
110	2236	-.541	.157	-.131	-1.264
110	2237	-.528	.138	-.132	-1.117
110	2238	-.501	.121	-.100	-1.299
110	2239	-.501	.122	-.101	-1.423
110	2240	-.507	.111	-.233	-1.072
110	2241	-.489	.100	-.209	-.967
110	2242	-.484	.101	-.203	-.939
110	2243	-.480	.134	.002	-1.192
110	2244	-.472	.130	-.003	-1.021
110	2245	-.500	.127	-.132	-1.127
110	2246	-.535	.138	-.082	-1.340
110	2247	-.529	.134	-.052	-1.502
110	2248	-.529	.129	-.204	-1.696
110	2249	-.527	.125	-.212	-1.613
110	2250	-.425	.119	-.100	-1.310
110	2251	-.473	.121	-.122	-1.108
110	2252	-.528	.149	-.225	-1.575
110	2253	-.514	.133	-.227	-1.773
110	2254	-.361	.080	-.128	-.727
110	2255	-.385	.104	-.080	-1.127
110	2256	-.404	.108	-.124	-1.530
110	2257	-.445	.103	-.152	-1.032
110	2258	-.479	.115	-.144	-1.139
110	2259	-.493	.124	-.124	-1.025
110	2260	-.523	.169	-.163	-1.549
110	2261	-.519	.160	-.162	-1.425
110	2301	.327	.154	.819	-.132

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
110	2302	.381	.168	.962	-.075
110	2303	.334	.144	.843	-.146
110	2304	.087	.111	.464	-.257
110	2305	.200	.133	.640	-.237
110	2306	.259	.141	.718	-.212
110	2307	.266	.145	.792	-.179
110	2308	.170	.123	.589	-.197
110	2309	.064	.115	.505	-.301
110	2310	.349	.159	.988	-.161
110	2311	.499	.181	1.021	-.105
110	2312	.509	.169	1.026	-.022
110	2313	.469	.165	1.146	-.024
110	2314	.543	.191	1.171	-.091
110	2315	.534	.189	1.116	-.115
110	2316	.459	.167	1.120	-.047
110	2317	.267	.138	.767	-.099
110	2318	.083	.141	.606	-.312
110	2319	.297	.149	.832	-.136
110	2320	.411	.172	.963	-.064
110	2321	.492	.174	.997	.054
110	2322	.488	.171	1.016	.043
110	2323	.497	.173	1.056	.039
110	2324	.501	.158	.993	.085
110	2325	.428	.151	.894	.014
110	2326	.238	.132	.708	-.176
110	2327	.074	.131	.557	-.387
110	2328	.242	.139	.767	-.151
110	2329	.366	.152	.931	-.052
110	2330	.442	.151	.994	.034
110	2331	.445	.152	1.037	.014
110	2332	.454	.152	1.010	.019
110	2333	.465	.162	1.043	.087
110	2334	.377	.147	.962	-.072
110	2335	.200	.122	.630	-.217
110	2336	.079	.112	.461	-.363
110	2337	.183	.136	.723	-.259
110	2338	.322	.147	.851	-.108
110	2339	.411	.150	.956	.066
110	2340	.408	.145	.936	.073
110	2341	.397	.151	.920	.048
110	2342	.396	.138	.976	.039
110	2343	.322	.138	.777	-.065
110	2344	.173	.110	.616	-.159
110	2345	.079	.113	.511	-.317
110	2346	.112	.119	.598	-.297
110	2347	.242	.114	.618	-.134
110	2348	.308	.128	.870	-.039
110	2349	.320	.119	.784	-.015
110	2350	.327	.118	.785	.014
110	2351	.320	.119	.788	-.008

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
110	2352	.268	.119	.736	-.110
110	2353	.127	.102	.569	-.187
110	2354	.027	.097	.380	-.358
110	2355	.048	.112	.498	-.309
110	2356	.169	.115	.635	-.192
110	2357	.261	.115	.759	-.017
110	2358	.266	.110	.737	.001
110	2359	.273	.112	.763	.013
110	2360	.266	.111	.748	-.004
110	2361	.208	.099	.650	-.064
110	2362	.108	.088	.542	-.115
110	2363	.029	.094	.457	-.231
110	2364	.012	.112	.647	-.373
110	2365	.242	.106	.722	-.103
110	2366	.238	.099	.627	-.015
110	2367	.194	.092	.644	-.058
110	2368	.041	.096	.482	-.274
110	2369	.020	.093	.501	-.305
110	2370	.158	.099	.815	-.087
110	2371	.297	.116	1.023	.018
110	2372	.325	.124	.980	.017
110	2373	.328	.131	.964	.073
110	2374	.332	.137	1.018	.059
110	2375	.292	.127	.901	.022
110	2376	.180	.099	.651	-.093
110	2377	.111	.093	.531	-.193
110	2401	-.494	.148	.091	-1.036
110	2402	-.321	.184	.170	-1.059
110	2403	-.184	.062	.082	-.463
110	2404	-.180	.059	.036	-.454
110	2405	-.202	.059	.029	-.491
110	2406	-.243	.056	-.037	-.483
110	2407	-.285	.065	-.035	-.566
110	2408	-.452	.210	.258	-1.311
110	2409	-.343	.208	.477	-1.135
110	2410	-.006	.079	.337	-.592
110	2411	-.037	.066	.243	-.326
110	2412	-.093	.055	.168	-.254
110	2413	-.211	.047	-.050	-.358
110	2414	-.304	.057	-.122	-.543
110	2415	-.321	.186	.356	-1.119
110	2416	-.339	.211	.361	-1.163
110	2417	.027	.085	.328	-.417
110	2418	-.024	.061	.221	-.214
110	2419	-.115	.049	.105	-.272
110	2420	-.194	.041	-.016	-.352
110	2421	-.308	.055	-.119	-.537
110	2422	-.344	.177	.563	-1.103
110	2423	-.319	.203	.610	-1.199
110	2424	-.001	.096	.492	-.595

APPENDIX A -- PRESSURE DATA ; CONFIGURATION A : GATEWAY PROJECT TOWERS

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
110	2425	-.026	.058	.314	-.192
110	2426	-.119	.044	.124	-.250
110	2427	-.177	.040	.001	-.317
110	2428	-.256	.046	-.085	-.444
110	2429	-.312	.188	.485	-1.159
110	2430	-.262	.213	.438	-1.045
110	2431	.014	.082	.357	-.448
110	2432	-.022	.057	.261	-.216
110	2433	-.097	.043	.129	-.229
110	2434	-.167	.039	.031	-.314
110	2435	-.236	.046	-.041	-.441
110	2436	-.271	.167	.173	-1.098
110	2437	-.249	.193	.335	-.956
110	2438	-.014	.069	.256	-.428
110	2439	-.033	.049	.181	-.188
110	2440	-.093	.041	.120	-.217
110	2441	-.167	.041	-.016	-.314
110	2442	-.226	.047	-.084	-.467
110	2443	-.232	.151	.421	-1.127
110	2444	-.182	.170	.439	-.993
110	2445	-.010	.069	.419	-.495
110	2446	-.029	.044	.221	-.195
110	2447	-.078	.037	.109	-.230
110	2448	-.144	.039	.062	-.329
110	2449	-.206	.047	-.009	-.432
110	2450	-.148	.116	.248	-.617
110	2451	.012	.059	.242	-.387
110	2452	-.048	.037	.124	-.178
110	2453	-.129	.039	.038	-.300
110	2454	-.193	.050	.054	-.399
110	2455	-.084	.127	.384	-.646
110	2456	-.018	.138	.464	-.668
110	2457	.080	.072	.412	-.242
110	2458	.030	.056	.241	-.123
110	2459	-.026	.045	.164	-.145
110	2460	-.096	.041	.067	-.281
110	2461	-.153	.043	-.011	-.365
110	2901	-.451	.139	.053	-1.156
110	2902	-.496	.121	.022	-.983
110	2903	-.517	.100	-.175	-1.067
110	2904	-.432	.137	.392	-1.072
110	2905	-.540	.118	-.098	-1.073
110	2906	-.527	.087	-.264	-.900
110	2907	-.484	.124	.104	-1.038
110	2908	-.530	.092	-.264	-.927
110	2909	-.508	.092	-.221	-.883
110	2910	-.364	.086	-.098	-.842
110	2911	-.365	.072	-.149	-.788
120	1101	-.358	.079	-.129	-.869
120	1102	-.356	.078	-.164	-.803

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
120	1103	-.365	.077	-.131	-.761
120	1104	-.381	.080	-.145	-.776
120	1105	-.402	.081	-.195	-.757
120	1106	-.412	.094	-.147	-1.010
120	1107	-.357	.071	-.166	-.695
120	1108	-.358	.069	-.175	-.690
120	1109	-.371	.073	-.172	-.762
120	1110	-.390	.078	-.181	-.945
120	1111	-.387	.082	-.164	-.835
120	1112	-.418	.099	-.142	-1.280
120	1113	-.352	.069	-.149	-.669
120	1114	-.350	.068	-.157	-.671
120	1115	-.361	.070	-.164	-.687
120	1116	-.381	.079	-.156	-.868
120	1117	-.385	.089	-.126	-1.017
120	1118	-.388	.103	-.131	-1.038
120	1119	-.363	.073	-.183	-.840
120	1120	-.352	.076	-.146	-.755
120	1121	-.365	.077	-.170	-.792
120	1122	-.378	.090	-.179	-1.071
120	1123	-.379	.101	-.144	-1.032
120	1124	-.362	.114	-.109	-1.508
120	1125	-.373	.082	-.184	-.785
120	1126	-.374	.080	-.191	-.774
120	1127	-.383	.087	-.117	-.879
120	1128	-.398	.103	-.193	-1.217
120	1129	-.416	.110	-.134	-.946
120	1130	-.429	.122	-.107	-1.383
120	1131	-.413	.093	-.181	-.933
120	1132	-.412	.092	-.149	-.893
120	1133	-.412	.102	-.186	-.913
120	1134	-.435	.113	-.188	-1.032
120	1135	-.421	.114	-.166	-1.073
120	1136	-.468	.147	-.157	-1.302
120	1137	-.439	.130	-.161	-1.066
120	1138	-.449	.128	-.144	-1.240
120	1139	-.488	.146	-.191	-1.424
120	1140	-.485	.141	-.043	-1.224
120	1141	-.451	.171	.016	-1.341
120	1142	-.440	.211	.078	-1.744
120	1143	-.483	.139	-.188	-1.127
120	1144	-.453	.131	-.080	-1.219
120	1145	-.409	.132	.108	-1.029
120	1146	-.392	.218	.163	-1.540
120	1147	-.480	.142	-.171	-1.224
120	1148	-.480	.133	-.191	-1.049
120	1149	-.480	.136	-.021	-1.236
120	1150	-.457	.115	-.202	-.981
120	1151	-.417	.101	-.080	-1.048
120	1152	-.445	.130	.055	-1.150

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
120	1153	-.373	.141	.117	-1.062
120	1154	-.296	.174	.105	-1.388
120	1155	-.329	.206	.092	-2.182
120	1201	-.458	.096	-.157	-.874
120	1202	-.455	.096	-.124	-.909
120	1203	-.503	.130	-.085	-1.013
120	1204	-.518	.152	-.143	-1.190
120	1205	-.482	.123	-.138	-1.079
120	1206	-.493	.117	-.169	-1.222
120	1207	-.488	.113	-.183	-1.210
120	1208	-.396	.092	-.121	-.941
120	1209	-.415	.095	-.119	-.885
120	1210	-.431	.091	-.078	-.815
120	1211	-.478	.089	-.199	-.827
120	1212	-.497	.104	-.228	-1.031
120	1213	-.501	.108	-.249	-.993
120	1214	-.473	.098	-.238	-.910
120	1215	-.464	.135	-.037	-1.292
120	1216	-.441	.102	-.156	-1.001
120	1217	-.454	.089	-.222	-.857
120	1218	-.446	.086	-.229	-.874
120	1219	-.419	.075	-.232	-.747
120	1220	-.408	.071	-.219	-.707
120	1221	-.415	.074	-.222	-.734
120	1222	-.476	.148	-.031	-1.521
120	1223	-.457	.114	-.115	-1.151
120	1224	-.451	.086	-.176	-.840
120	1225	-.441	.073	-.186	-.753
120	1226	-.415	.063	-.212	-.648
120	1227	-.401	.063	-.188	-.655
120	1228	-.413	.067	-.237	-.670
120	1229	-.495	.143	-.153	-1.365
120	1230	-.484	.120	-.086	-1.091
120	1231	-.486	.100	-.228	-.926
120	1232	-.475	.084	-.247	-1.242
120	1233	-.459	.071	-.230	-.759
120	1234	-.446	.071	-.235	-.741
120	1235	-.444	.071	-.231	-.746
120	1236	-.474	.111	-.115	-1.053
120	1237	-.474	.107	-.090	-.990
120	1238	-.514	.103	-.183	-.960
120	1239	-.528	.097	-.286	-1.036
120	1240	-.509	.085	-.304	-.895
120	1241	-.502	.082	-.297	-.893
120	1242	-.501	.083	-.296	-.899
120	1243	-.348	.107	.086	-.743
120	1244	-.295	.086	.012	-.612
120	1245	-.357	.112	-.021	-.965
120	1246	-.511	.119	-.082	-1.037
120	1247	-.567	.116	-.318	-1.369

APPENDIX A -- PRESSURE DATA ; CONFIGURATION A : GATEWAY PROJECT TOWERS

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
120	1248	-.577	.116	-.311	-1.175
120	1249	-.581	.115	-.329	-1.054
120	1250	-.280	.114	.036	-.700
120	1251	-.246	.092	.016	-.667
120	1252	-.602	.135	-.108	-1.342
120	1253	-.606	.133	-.299	-1.338
120	1254	-.231	.085	-.027	-.569
120	1255	-.203	.065	.000	-.605
120	1256	-.195	.067	.067	-.553
120	1257	-.267	.101	-.028	-.687
120	1258	-.463	.141	-.102	-1.170
120	1259	-.666	.185	-.279	-1.817
120	1260	-.651	.170	-.275	-1.529
120	1301	-.404	.074	-.207	-.682
120	1302	-.291	.062	-.073	-.499
120	1303	-.172	.074	.104	-.399
120	1304	.413	.177	1.057	-.220
120	1305	-.187	.068	.101	-.413
120	1306	-.177	.067	.036	-.459
120	1307	-.099	.071	.167	-.388
120	1308	.060	.121	.521	-.634
120	1309	.156	.194	.676	-.966
120	1310	-.421	.080	-.215	-.759
120	1311	-.289	.066	-.079	-.527
120	1312	-.116	.068	.123	-.390
120	1313	.357	.180	.961	-.132
120	1314	-.078	.072	.213	-.321
120	1315	-.014	.083	.309	-.231
120	1316	-.002	.089	.317	-.355
120	1317	.210	.151	.746	-.720
120	1318	.240	.246	.893	-1.098
120	1319	-.387	.067	-.185	-.653
120	1320	-.293	.060	-.098	-.515
120	1321	-.124	.069	.179	-.372
120	1322	.207	.152	.869	-.311
120	1323	.003	.081	.330	-.283
120	1324	.033	.084	.367	-.262
120	1325	.043	.090	.400	-.296
120	1326	.206	.195	.760	-1.013
120	1327	.161	.328	.887	-1.282
120	1328	-.337	.055	-.123	-.523
120	1329	-.254	.055	.006	-.411
120	1330	-.137	.070	.201	-.438
120	1331	.157	.147	.887	-.304
120	1332	-.017	.088	.300	-.376
120	1333	.031	.087	.363	-.220
120	1334	.024	.102	.361	-.404
120	1335	.131	.241	.662	-1.409
120	1336	.125	.324	.794	-1.290
120	1337	-.280	.053	-.104	-.472

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
120	1338	-.230	.054	-.016	-.415
120	1339	-.150	.069	.136	-.369
120	1340	.119	.137	.804	-.294
120	1341	-.034	.083	.278	-.371
120	1342	-.013	.088	.319	-.519
120	1343	.005	.087	.346	-.477
120	1344	.104	.204	.584	-.995
120	1345	.099	.294	.765	-1.220
120	1346	-.332	.056	-.128	-.557
120	1347	-.254	.058	-.053	-.467
120	1348	-.156	.064	.084	-.526
120	1349	.105	.126	.635	-.439
120	1350	-.036	.075	.229	-.466
120	1351	-.021	.075	.303	-.530
120	1352	-.010	.080	.330	-.581
120	1353	.074	.187	.626	-1.065
120	1354	.067	.269	.691	-1.021
120	1355	-.373	.067	-.114	-.646
120	1356	-.286	.058	-.066	-.506
120	1357	-.158	.062	.085	-.389
120	1358	.061	.115	.645	-.583
120	1359	-.044	.070	.216	-.428
120	1360	-.036	.070	.228	-.472
120	1361	-.025	.078	.310	-.487
120	1362	.056	.166	.565	-.986
120	1363	.018	.239	.603	-.934
120	1364	-.381	.066	-.187	-.656
120	1365	-.174	.056	.035	-.382
120	1366	-.056	.070	.215	-.445
120	1367	-.056	.078	.293	-.581
120	1368	-.026	.216	.576	-.880
120	1369	-.369	.070	-.169	-.683
120	1370	-.287	.058	-.081	-.545
120	1371	-.162	.058	.083	-.344
120	1372	-.012	.101	.513	-.302
120	1373	-.050	.079	.297	-.329
120	1374	-.060	.072	.267	-.403
120	1375	-.035	.076	.216	-.474
120	1376	-.017	.124	.358	-.930
120	1377	-.042	.142	.322	-1.070
120	1401	.050	.167	.489	-1.178
120	1402	-.069	.091	.256	-.531
120	1403	-.190	.062	.056	-.457
120	1404	-.247	.061	-.034	-.506
120	1405	-.219	.051	-.014	-.385
120	1406	-.260	.046	-.142	-.445
120	1407	-.386	.073	-.188	-.727
120	1408	.228	.271	.880	-.977
120	1409	.098	.208	.604	-1.022
120	1410	-.010	.090	.265	-.299

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
120	1411	-.137	.059	.095	-.324
120	1412	-.226	.048	-.029	-.394
120	1413	-.360	.061	-.182	-.588
120	1414	-.411	.080	-.208	-.736
120	1415	.222	.302	.976	-1.040
120	1416	.190	.195	.847	-.997
120	1417	.011	.098	.466	-.440
120	1418	-.143	.069	.192	-.350
120	1419	-.245	.060	.017	-.487
120	1420	-.345	.063	-.147	-.656
120	1421	-.381	.073	-.157	-.762
120	1422	.110	.336	.982	-1.152
120	1423	.163	.205	.708	-1.189
120	1424	-.014	.099	.409	-.462
120	1425	-.164	.069	.165	-.368
120	1426	-.264	.064	.043	-.496
120	1427	-.333	.065	-.095	-.643
120	1428	-.360	.077	-.176	-.871
120	1429	.110	.311	.800	-1.045
120	1430	.098	.219	.667	-1.049
120	1431	-.042	.102	.323	-.636
120	1432	-.182	.071	.170	-.452
120	1433	-.276	.065	-.016	-.548
120	1434	-.344	.070	-.137	-.757
120	1435	-.372	.078	-.186	-.823
120	1436	.068	.304	.746	-1.348
120	1437	.057	.212	.614	-1.417
120	1438	-.066	.094	.281	-.519
120	1439	-.209	.064	.137	-.425
120	1440	-.284	.068	.233	-.489
120	1441	-.354	.073	-.021	-.739
120	1442	-.392	.084	-.131	-.983
120	1443	.028	.239	.710	-1.156
120	1444	-.055	.215	.655	-1.310
120	1445	-.114	.086	.365	-.609
120	1446	-.218	.061	.115	-.422
120	1447	-.290	.062	.024	-.499
120	1448	-.372	.078	-.093	-.698
120	1449	-.414	.100	-.143	-.869
120	1450	-.047	.262	.681	-1.561
120	1451	-.094	.087	.233	-.443
120	1452	-.285	.054	-.073	-.477
120	1453	-.395	.090	-.171	-.804
120	1454	-.039	.170	.478	-.801
120	1455	-.034	.158	.628	-1.354
120	1456	-.128	.081	.216	-.352
120	1457	-.231	.067	.077	-.449
120	1458	-.277	.058	-.017	-.479
120	1459	-.337	.069	-.158	-.683
120	1460	-.383	.086	-.191	-.887

APPENDIX A -- PRESSURE DATA ; CONFIGURATION A : GATEWAY PROJECT TOWERS

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
120	1461	-.426	.131	.017	-1.368
120	1901	-.130	.078	.128	-.461
120	1902	-.373	.081	-.052	-.729
120	1903	-.375	.201	.128	-1.221
120	1904	.117	.112	.476	-.295
120	1905	-.125	.079	.110	-.534
120	1906	-.551	.096	-.277	-1.132
120	1907	.120	.109	.459	-.302
120	1908	.062	.097	.384	-.305
120	1909	-.295	.075	.020	-.569
120	1910	-.477	.130	-.154	-1.218
120	1911	-.476	.126	-.210	-1.233
120	2101	-.341	.101	-.033	-.780
120	2102	-.348	.100	-.041	-.722
120	2103	-.350	.104	.029	-.777
120	2104	-.355	.105	.024	-.829
120	2105	-.392	.114	.047	-1.386
120	2106	-.416	.125	.014	-1.117
120	2107	-.341	.085	-.031	-.722
120	2108	-.346	.089	-.033	-.658
120	2109	-.340	.090	-.089	-.749
120	2110	-.366	.100	-.039	-1.053
120	2111	-.398	.120	.036	-1.027
120	2112	-.422	.133	.031	-1.030
120	2113	-.302	.071	-.064	-.586
120	2114	-.304	.069	-.076	-.618
120	2115	-.338	.081	-.092	-.834
120	2116	-.362	.098	-.001	-.899
120	2117	-.415	.125	-.010	-.882
120	2118	-.448	.146	.003	-1.001
120	2119	-.278	.064	-.029	-.625
120	2120	-.282	.062	-.033	-.594
120	2121	-.308	.075	-.083	-.779
120	2122	-.346	.095	-.044	-.768
120	2123	-.404	.139	.050	-1.056
120	2124	-.442	.165	.029	-1.071
120	2125	-.269	.066	-.050	-.732
120	2126	-.273	.063	-.064	-.684
120	2127	-.309	.078	-.022	-.694
120	2128	-.349	.101	.047	-.934
120	2129	-.390	.134	.052	-.958
120	2130	-.416	.152	.067	-.981
120	2131	-.268	.065	.021	-.964
120	2132	-.276	.063	-.008	-.614
120	2133	-.306	.078	-.026	-.677
120	2134	-.334	.099	-.034	-1.268
120	2135	-.374	.127	.041	-1.144
120	2136	-.391	.138	.034	-1.297
120	2137	-.253	.059	-.010	-.584
120	2138	-.262	.057	-.047	-.538

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
120	2139	-.304	.073	-.085	-.726
120	2140	-.330	.086	-.074	-.699
120	2141	-.360	.100	-.045	-.798
120	2142	-.369	.104	-.044	-.823
120	2143	-.218	.057	.066	-.581
120	2144	-.287	.060	-.086	-.603
120	2145	-.318	.085	-.029	-.791
120	2146	-.334	.089	-.074	-.781
120	2147	-.302	.076	-.031	-.766
120	2148	-.321	.083	-.033	-.745
120	2149	-.332	.083	-.083	-.725
120	2150	-.254	.065	.008	-.689
120	2151	-.257	.064	.009	-.728
120	2152	-.273	.062	-.045	-.578
120	2153	-.286	.070	.009	-.651
120	2154	-.288	.069	-.063	-.593
120	2155	-.294	.069	-.035	-.607
120	2201	-.441	.147	.033	-.980
120	2202	-.446	.141	.035	-1.109
120	2203	-.526	.155	.007	-1.101
120	2204	-.559	.149	-.081	-1.267
120	2205	-.544	.131	-.100	-1.390
120	2206	-.535	.118	-.178	-1.396
120	2207	-.506	.123	-.182	-1.147
120	2208	-.457	.174	.131	-1.432
120	2209	-.431	.151	.095	-1.652
120	2210	-.510	.157	.045	-1.283
120	2211	-.556	.145	-.157	-1.272
120	2212	-.557	.129	-.200	-1.285
120	2213	-.605	.147	-.224	-1.310
120	2214	-.617	.162	-.156	-1.554
120	2215	-.482	.185	.036	-1.260
120	2216	-.479	.170	.172	-1.281
120	2217	-.497	.147	.167	-1.071
120	2218	-.542	.157	-.040	-1.331
120	2219	-.523	.140	-.124	-1.381
120	2220	-.492	.119	-.039	-1.004
120	2221	-.484	.115	-.060	-.961
120	2222	-.514	.229	.199	-1.392
120	2223	-.497	.200	.224	-1.211
120	2224	-.490	.183	.091	-1.288
120	2225	-.538	.176	.060	-1.585
120	2226	-.524	.158	-.085	-1.692
120	2227	-.491	.128	-.103	-1.381
120	2228	-.485	.127	-.133	-1.014
120	2229	-.485	.208	.102	-1.602
120	2230	-.473	.184	.180	-1.290
120	2231	-.503	.180	.224	-1.467
120	2232	-.567	.190	.066	-1.464
120	2233	-.552	.159	-.132	-1.415

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
120	2234	-.520	.136	-.149	-1.326
120	2235	-.512	.133	-.147	-1.399
120	2236	-.438	.172	.168	-1.408
120	2237	-.439	.160	.150	-1.143
120	2238	-.496	.173	.053	-1.195
120	2239	-.572	.185	.053	-1.497
120	2240	-.578	.192	-.124	-1.808
120	2241	-.546	.159	-.105	-1.390
120	2242	-.541	.158	-.085	-1.335
120	2243	-.362	.129	.157	-1.183
120	2244	-.365	.127	.052	-1.062
120	2245	-.420	.153	.045	-1.295
120	2246	-.553	.182	.060	-1.538
120	2247	-.640	.224	-.006	-1.813
120	2248	-.595	.196	-.172	-2.031
120	2249	-.587	.183	-.182	-1.887
120	2250	-.315	.091	-.008	-.817
120	2251	-.343	.119	.053	-.872
120	2252	-.629	.225	-.037	-1.757
120	2253	-.607	.200	-.172	-1.727
120	2254	-.297	.071	-.110	-.665
120	2255	-.310	.081	-.015	-.853
120	2256	-.311	.078	-.066	-.718
120	2257	-.348	.086	-.055	-.779
120	2258	-.400	.116	-.113	-1.101
120	2259	-.451	.157	.027	-1.165
120	2260	-.676	.291	-.003	-2.306
120	2261	-.652	.258	-.028	-2.273
120	2301	.403	.163	.905	-.230
120	2302	.406	.165	.877	-.203
120	2303	.277	.140	.781	-.222
120	2304	-.005	.096	.337	-.342
120	2305	.194	.148	.794	-.322
120	2306	.267	.150	.821	-.298
120	2307	.209	.134	.752	-.306
120	2308	.053	.104	.486	-.369
120	2309	-.095	.094	.267	-.485
120	2310	.464	.172	1.093	-.026
120	2311	.528	.177	1.060	.045
120	2312	.483	.158	1.180	.038
120	2313	.420	.155	.933	-.027
120	2314	.476	.173	1.140	.019
120	2315	.497	.174	1.040	-.003
120	2316	.348	.143	.887	-.102
120	2317	.080	.111	.466	-.280
120	2318	-.172	.120	.255	-.585
120	2319	.398	.167	.942	-.091
120	2320	.487	.179	1.075	-.030
120	2321	.477	.157	1.113	.057
120	2322	.455	.153	1.087	.017

APPENDIX A -- PRESSURE DATA ; CONFIGURATION A : GATEWAY PROJECT TOWERS

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
120	2323	.461	.156	1.170	.041	120	2373	.290	.121	.811	.034	120	2446	-.079	.041	.074	-.288
120	2324	.491	.163	1.011	.039	120	2374	.289	.122	.874	.007	120	2447	-.111	.033	.016	-.258
120	2325	.334	.138	.866	-.063	120	2375	.226	.112	.716	-.010	120	2448	-.157	.038	.011	-.338
120	2326	.077	.109	.522	-.255	120	2376	.088	.081	.467	-.136	120	2449	-.206	.048	.030	-.418
120	2327	-.130	.106	.432	-.522	120	2377	.004	.085	.388	-.327	120	2450	-.318	.132	.043	-.881
120	2328	.335	.155	.966	-.155	120	2401	-.755	.174	-.241	-1.450	120	2451	-.081	.075	.152	-.704
120	2329	.430	.160	1.073	-.031	120	2402	-.610	.174	-.012	-1.249	120	2452	-.087	.030	.036	-.196
120	2330	.433	.146	1.006	.053	120	2403	-.285	.067	-.010	-.715	120	2453	-.141	.035	.042	-.318
120	2331	.414	.146	1.033	.059	120	2404	-.232	.058	.027	-.476	120	2454	-.188	.047	.025	-.414
120	2332	.424	.150	1.056	.050	120	2405	-.234	.062	.072	-.458	120	2455	-.241	.148	.132	-1.123
120	2333	.436	.153	.951	.023	120	2406	-.244	.063	-.024	-.495	120	2456	-.197	.163	.243	-1.122
120	2334	.280	.137	.946	-.081	120	2407	-.278	.073	-.024	-.559	120	2457	-.012	.067	.235	-.355
120	2335	.082	.106	.531	-.208	120	2408	-.755	.178	-.171	-1.371	120	2458	-.037	.043	.154	-.167
120	2336	-.068	.096	.366	-.345	120	2409	-.678	.188	-.049	-1.238	120	2459	-.070	.035	.084	-.178
120	2337	.257	.156	.991	-.211	120	2410	-.156	.083	.107	-.647	120	2460	-.113	.037	.032	-.236
120	2338	.374	.156	.997	-.016	120	2411	-.135	.049	.069	-.312	120	2461	-.156	.042	.119	-.383
120	2339	.389	.141	.888	.009	120	2412	-.163	.046	.014	-.337	120	2901	-.411	.163	.164	-1.244
120	2340	.374	.134	.834	.062	120	2413	-.235	.054	-.068	-.466	120	2902	-.504	.145	.028	-1.154
120	2341	.385	.131	.885	.039	120	2414	-.304	.070	-.101	-.589	120	2903	-.564	.116	-.195	-1.023
120	2342	.374	.139	.937	.019	120	2415	-.627	.180	-.101	-1.448	120	2904	-.366	.168	.591	-1.072
120	2343	.256	.122	.823	-.094	120	2416	-.603	.157	-.129	-1.317	120	2905	-.580	.137	-.215	-1.282
120	2344	.063	.097	.548	-.298	120	2417	-.172	.145	.131	-.908	120	2906	-.559	.098	-.259	-.949
120	2345	-.060	.090	.346	-.418	120	2418	-.119	.051	.068	-.409	120	2907	-.482	.128	.272	-.964
120	2346	.201	.131	.764	-.181	120	2419	-.178	.042	.011	-.337	120	2908	-.577	.108	-.263	-1.039
120	2347	.312	.128	.845	-.009	120	2420	-.211	.047	-.019	-.405	120	2909	-.556	.098	-.263	-1.073
120	2348	.324	.117	.751	-.024	120	2421	-.283	.067	-.089	-.602	120	2910	-.300	.079	-.108	-.804
120	2349	.321	.119	.836	.034	120	2422	-.589	.160	-.169	-1.244	120	2911	-.295	.066	-.111	-.637
120	2350	.330	.124	.889	.030	120	2423	-.592	.169	-.048	-1.263	130	1101	-.306	.063	-.105	-.557
120	2351	.336	.130	.930	.020	120	2424	-.237	.179	.118	-.986	130	1102	-.285	.060	-.105	-.530
120	2352	.210	.113	.710	-.162	120	2425	-.130	.066	.107	-.693	130	1103	-.286	.064	-.057	-.553
120	2353	-.009	.086	.400	-.254	120	2426	-.172	.041	-.034	-.445	130	1104	-.302	.069	-.030	-.602
120	2354	-.110	.097	.273	-.466	120	2427	-.186	.044	-.036	-.343	130	1105	-.324	.070	-.110	-.603
120	2355	.113	.124	.662	-.356	120	2428	-.234	.052	-.072	-.439	130	1106	-.325	.069	-.133	-.677
120	2356	.216	.122	.737	-.186	120	2429	-.526	.165	-.040	-1.333	130	1107	-.283	.051	-.127	-.461
120	2357	.253	.109	.883	-.042	120	2430	-.518	.180	.091	-1.315	130	1108	-.280	.050	-.129	-.457
120	2358	.250	.104	.835	-.011	120	2431	-.169	.142	.130	-.904	130	1109	-.290	.053	-.141	-.498
120	2359	.252	.108	.821	-.005	120	2432	-.110	.050	.049	-.477	130	1110	-.304	.057	-.127	-.567
120	2360	.259	.113	.946	-.012	120	2433	-.149	.038	.020	-.285	130	1111	-.317	.067	-.130	-.610
120	2361	.181	.103	.680	-.268	120	2434	-.189	.041	-.037	-.343	130	1112	-.306	.062	-.124	-.694
120	2362	.029	.084	.397	-.278	120	2435	-.238	.052	-.079	-.427	130	1113	-.289	.054	-.104	-.496
120	2363	-.085	.091	.279	-.400	120	2436	-.480	.163	.018	-1.497	130	1114	-.288	.054	-.101	-.524
120	2364	.052	.107	.544	-.352	120	2437	-.469	.181	.091	-1.154	130	1115	-.296	.057	-.124	-.560
120	2365	.232	.097	.635	-.009	120	2438	-.135	.102	.062	-.636	130	1116	-.300	.056	-.127	-.563
120	2366	.210	.094	.606	-.004	120	2439	-.099	.045	.045	-.427	130	1117	-.297	.059	-.119	-.612
120	2367	.163	.096	.648	-.126	120	2440	-.136	.036	.028	-.311	130	1118	-.301	.067	-.096	-.766
120	2368	-.062	.076	.305	-.374	120	2441	-.183	.041	-.045	-.414	130	1119	-.292	.055	-.115	-.497
120	2369	-.002	.099	.462	-.371	120	2442	-.221	.047	-.094	-.465	130	1120	-.290	.053	-.140	-.533
120	2370	.145	.099	.656	-.063	120	2443	-.390	.147	.026	1.000	130	1121	-.295	.053	-.147	-.555
120	2371	.263	.116	.844	.032	120	2444	-.364	.163	.091	-1.058	130	1122	-.298	.056	-.162	-.592
120	2372	.269	.117	.813	.031	120	2445	-.105	.084	.102	-.586	130	1123	-.298	.061	-.112	-.769

APPENDIX A -- PRESSURE DATA ;   CONFIGURATION A : GATEWAY PROJECT TOWERS

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
130	1124	-.287	.066	-.116	-.655
130	1125	-.307	.063	-.145	-.645
130	1126	-.304	.062	-.150	-.584
130	1127	-.311	.065	-.134	-.590
130	1128	-.316	.069	-.153	-.699
130	1129	-.305	.064	-.120	-.622
130	1130	-.315	.071	-.101	-.646
130	1131	-.306	.061	-.134	-.552
130	1132	-.306	.061	-.134	-.548
130	1133	-.328	.080	-.152	-.761
130	1134	-.337	086	-.140	-.816
130	1135	-.315	.081	-.103	-.819
130	1136	-.355	.107	-.091	-.959
130	1137	-.358	.100	-.177	-.889
130	1138	-.352	.099	-.137	-1.003
130	1139	-.382	.110	-.127	-.950
130	1140	-.352	.097	-.004	-.865
130	1141	-.270	.088	.075	-.990
130	1142	-.286	.122	-.005	-1.602
130	1143	-.378	.099	-.168	-.847
130	1144	-.375	.106	-.031	-.959
130	1145	-.315	099	.011	-.833
130	1146	-.228	.123	.047	-1.167
130	1147	-.372	.095	-.153	-.810
130	1148	-.385	.109	-.179	-1.122
130	1149	-.357	.121	.005	-1.007
130	1150	-.349	.094	-.084	-.825
130	1151	-.344	.085	-.084	-.797
130	1152	-.302	.103	.067	-.945
130	1153	-.261	.098	.048	-.802
130	1154	-.188	.067	.048	-.778
130	1155	-.199	.102	.092	-1.159
130	1201	-.385	.096	-.148	-.815
130	1202	-.386	.110	-.103	-.902
130	1203	-.429	.177	-.040	-1.390
130	1204	-.411	.166	-.045	-1.428
130	1205	-.506	.142	-.097	-1.115
130	1206	-.709	.161	-.245	-1.485
130	1207	-.755	.175	-.376	-1 499
130	1208	-.317	.064	-.126	-.599
130	1209	-.305	.063	-.050	-.626
130	1210	-.318	.076	-.086	-.631
130	1211	-.428	.107	-.063	-.862
130	1212	-.626	.124	-.261	-1.088
130	1213	-.712	.137	-.334	-1.247
130	1214	-.699	.143	-.380	-1.461
130	1215	-.396	.148	.075	-1.101
130	1216	-.389	.120	.022	-1.077
130	1217	-.441	.113	.054	-.898
130	1218	-.508	.105	-.087	-1.029
130	1219	-.498	.089	-.230	-1.067
130	1220	-.477	.091	-.234	-.956
130	1221	-.479	.095	-.230	-.935
130	1222	-.439	.180	-.032	-1.408
130	1223	-.422	.147	.025	-1.106
130	1224	- 455	.121	.054	-1.060
130	1225	-.504	.116	-.088	-1.110
130	1226	-.484	.092	-.218	-1.131
130	1227	-.459	.084	-.242	-1.082
130	1228	-.495	.096	-.254	-1.063
130	1229	-.387	.152	.046	-1.336
130	1230	-.386	.139	.107	-.988
130	1231	-.456	.137	.009	-.971
130	1232	-.518	.121	-.090	-1.109
130	1233	-.536	.099	-.287	-1.161
130	1234	-.518	.092	-.285	-1.053
130	1235	-.514	.092	-.270	-1.054
130	1236	-.338	.104	-.071	-.817
130	1237	-.330	.119	.110	-.845
130	1238	-.401	.154	.002	-1.125
130	1239	-.516	.150	-.016	-1.253
130	1240	-.584	.124	-.192	-1.287
130	1241	-.575	.112	-.312	-1.151
130	1242	-.571	.112	-.303	-1.132
130	1243	-.261	.074	.005	-.602
130	1244	-.221	.064	-.003	-.684
130	1245	-.214	.085	.021	-.833
130	1246	-.359	.159	.087	-1.062
130	1247	-.597	.160	-.114	-1.576
130	1248	-.648	.146	-.277	-1.570
130	1249	-.647	.146	-.322	-1.511
130	1250	-.196	.068	.060	-.641
130	1251	-.173	.055	.046	-.575
130	1252	-.566	.184	-.014	-1.410
130	1253	-.686	.154	-.287	-1.684
130	1254	-.175	.053	.042	-.527
130	1255	-.158	.042	.035	-.364
130	1256	-.161	.037	.071	-.370
130	1257	-.188	.057	.063	-.650
130	1258	-.333	.153	-.023	-1.029
130	1259	-.709	.200	-.224	-1.790
130	1260	-.716	.201	-.259	-1.586
130	1301	-.463	.079	-.201	-.830
130	1302	-.274	.065	-.018	-.473
130	1303	-.078	.083	.209	-.323
130	1304	.368	.176	1.061	-.102
130	1305	-.090	.088	.330	-.361
130	1306	-.172	.063	.083	-.397
130	1307	-.012	.086	.372	-.279
130	1308	.251	.133	.672	-.202
130	1309	.406	.174	.966	-.294
130	1310	-.523	.089	-.263	-.855
130	1311	-.292	.069	-.045	-.507
130	1312	-.029	.083	.294	-.318
130	1313	.439	.180	.984	-.102
130	1314	.076	.096	.411	-.228
130	1315	.135	.101	.551	-.182
130	1316	.168	.110	.575	-.183
130	1317	.414	.154	.976	.001
130	1318	.514	.183	1.094	-.214
130	1319	-.421	.075	-.150	-.741
130	1320	-.274	.066	.006	-.487
130	1321	-.045	.083	.277	-.277
130	1322	.354	.166	.986	-.146
130	1323	.153	.102	.532	-.183
130	1324	.179	.105	.564	-.184
130	1325	.206	.113	.609	-.182
130	1326	.438	.161	.958	-.880
130	1327	.461	.179	1.068	-.199
130	1328	-.328	.063	-.144	-.598
130	1329	-.207	.062	.011	-.437
130	1330	-.041	.080	.397	-.300
130	1331	.291	.156	.909	-.114
130	1332	.123	.095	.532	-.157
130	1333	.156	.097	.504	-.110
130	1334	.180	.109	.635	-.117
130	1335	.356	.143	.992	-.066
130	1336	.495	.154	1.026	-.290
130	1337	-.248	.058	-.049	-.534
130	1338	-.173	.059	.062	-.440
130	1339	-.046	.079	.292	-.280
130	1340	.252	.139	.838	-.085
130	1341	.113	.092	.488	-.135
130	1342	.134	.094	.511	-.107
130	1343	.152	.104	.527	-.074
130	1344	.318	.144	.834	-.102
130	1345	.361	.160	.896	-.297
130	1346	-.304	.068	-.076	-.605
130	1347	-.208	.066	.051	-.550
130	1348	-.060	.073	.257	-.317
130	1349	.221	.129	.785	-.118
130	1350	.091	.083	.488	-.144
130	1351	.095	.085	.410	-.096
130	1352	.117	.089	.452	-.087
130	1353	.256	.126	.737	-.155
130	1354	.297	.141	.832	-.424
130	1355	-.338	.077	-.118	-.635
130	1356	-.225	.064	.007	-.478
130	1357	-.066	.068	.252	-.301
130	1358	.155	.114	.693	-.137

APPENDIX A -- PRESSURE DATA ; CONFIGURATION A : GATEWAY PROJECT TOWERS

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
130	1359	.048	.074	.314	-.157
130	1360	.075	.075	.417	-.143
130	1361	.078	.081	.387	-.143
130	1362	.191	.116	.763	-.417
130	1363	.225	.120	.661	-.403
130	1364	-.348	.074	-.066	-.703
130	1365	-.085	.062	.221	-.348
130	1366	.055	.073	.349	-.177
130	1367	.045	.073	.446	-.139
130	1368	.151	.112	.632	-.516
130	1369	-.308	.067	-.051	-.606
130	1370	-.217	.056	.048	-.441
130	1371	-.059	.068	.297	-.262
130	1372	.115	.100	.563	-.145
130	1373	.091	.091	.622	-.138
130	1374	.060	.072	.420	-.144
130	1375	.091	.095	.480	-.144
130	1376	.116	.095	.619	-.392
130	1377	.076	.087	.453	-.548
130	1401	-.553	.323	.335	-2.059
130	1402	-.251	.225	.167	-1.377
130	1403	-.218	.047	-.033	-.462
130	1404	-.251	.047	-.079	-.431
130	1405	-.206	.042	-.076	-.379
130	1406	-.235	.039	-.101	-.440
130	1407	-.336	.059	-.171	-.569
130	1408	-.520	.289	.645	-1.423
130	1409	-.427	.325	.323	-1.364
130	1410	-.175	.103	.115	-.920
130	1411	-.197	.044	.013	-.462
130	1412	-.237	.041	-.076	-.386
130	1413	-.309	.052	-.094	-.501
130	1414	-.341	.064	-.150	-.592
130	1415	-.506	.324	.556	-1.748
130	1416	-.397	.375	.456	-1.479
130	1417	-.184	.161	.128	-1.315
130	1418	-.210	.056	-.012	-.585
130	1419	-.248	.047	.011	-.441
130	1420	-.291	.047	-.135	-.532
130	1421	-.305	.054	-.160	-.577
130	1422	-.498	.320	.699	-1.814
130	1423	-.355	.368	.429	-1.520
130	1424	-.198	.163	.144	-1.353
130	1425	-.218	.060	.042	-.797
130	1426	-.256	.047	-.053	-.433
130	1427	-.284	.047	-.097	-.476
130	1428	-.304	.054	-.164	-.515
130	1429	-.472	.308	.616	-1.588
130	1430	-.399	.346	.391	-1.686
130	1431	-.205	.152	.143	-1.172

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
130	1432	-.229	.063	.005	-.696
130	1433	-.256	.053	-.049	-.600
130	1434	-.285	.054	-.074	-.507
130	1435	-.303	.058	-.090	-.507
130	1436	-.452	.318	.524	-1.714
130	1437	-.374	.332	.321	-1.872
130	1438	-.199	.147	.113	-1.223
130	1439	-.223	.064	-.014	-.915
130	1440	-.262	.049	-.083	-.481
130	1441	-.287	.055	-.132	-.564
130	1442	-.312	.066	-.141	-.700
130	1443	-.372	.300	.411	-2.348
130	1444	-.342	.282	.414	-1.622
130	1445	-.197	.127	.136	-.992
130	1446	-.216	.053	-.026	-.596
130	1447	-.250	.050	-.036	-.589
130	1448	-.298	.062	-.116	-.560
130	1449	-.326	.077	-.144	-.658
130	1450	-.356	.268	.468	-1.819
130	1451	-.166	.097	.105	-.902
130	1452	-.254	.045	-.103	-.416
130	1453	-.327	.069	-.172	-.668
130	1454	-.267	.229	.328	-1.341
130	1455	-.267	.233	.412	-1.833
130	1456	-.182	.064	.107	-.472
130	1457	-.240	.051	-.015	-.408
130	1458	-.256	.047	-.060	-.438
130	1459	-.289	.054	-.129	-.486
130	1460	-.321	.065	-.164	-.579
130	1461	-.353	.099	-.033	-.934
130	1901	-.113	.091	.221	-.518
130	1902	-.345	.100	-.013	-.880
130	1903	-.594	.165	.062	-1.142
130	1904	.097	.118	.508	-.302
130	1905	-.230	.106	.062	-.692
130	1906	-.589	.099	-.282	-1.105
130	1907	.131	.122	.572	-.305
130	1908	.053	.115	.523	-.454
130	1909	-.380	.086	-.095	-.774
130	1910	-.366	.113	-.073	-1.089
130	1911	-.369	.100	-.164	-.931
130	2101	-.278	.088	.040	-.653
130	2102	-.287	.088	.050	-.656
130	2103	-.298	.095	-.014	-.731
130	2104	-.304	.107	.043	-.951
130	2105	-.358	.122	.008	-1.214
130	2106	-.388	.150	-.041	-1.426
130	2107	-.273	.079	.027	-.628
130	2108	-.280	.076	-.062	-1.089
130	2109	-.283	.079	-.034	-.806

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
130	2110	-.303	.087	-.024	-.769
130	2111	-.338	.103	.004	-.978
130	2112	-.350	.104	-.002	-1.033
130	2113	-.247	.077	.002	-.759
130	2114	-.249	.069	-.011	-.670
130	2115	-.277	.080	-.045	-.720
130	2116	-.288	.095	.030	-.935
130	2117	-.320	.114	.005	-1.082
130	2118	-.338	.123	-.016	-1.044
130	2119	-.233	.069	.011	-.823
130	2120	-.232	.059	-.014	-.584
130	2121	-.253	.063	-.060	-.557
130	2122	-.278	.091	-.014	-.697
130	2123	-.302	.123	.098	-1.000
130	2124	-.317	.135	.057	-.967
130	2125	-.226	.061	-.036	-.552
130	2126	-.231	.056	-.033	-.579
130	2127	-.256	.070	-.019	-.664
130	2128	-.276	.095	.027	-.838
130	2129	-.301	.115	.054	-.920
130	2130	-.313	.121	.011	-1.037
130	2131	-.231	.057	-.019	-.675
130	2132	-.237	.054	-.023	-.476
130	2133	-.270	.070	-.083	-.690
130	2134	-.288	.090	.001	-1.152
130	2135	-.303	.102	-.066	-.848
130	2136	-.311	.106	-.064	-.928
130	2137	-.206	.051	.107	-.675
130	2138	-.215	.046	.008	-.511
130	2139	-.251	.062	-.036	-.601
130	2140	-.287	.080	-.076	-.747
130	2141	-.305	.099	-.000	-.837
130	2142	-.307	.095	-.019	-.779
130	2143	-.176	.047	-.003	-.544
130	2144	-.226	.053	.032	-.479
130	2145	-.275	.081	-.012	-.716
130	2146	-.306	.085	-.102	-.843
130	2147	-.254	.067	-.007	-.639
130	2148	-.285	.071	-.092	-.646
130	2149	-.274	.065	-.095	-.576
130	2150	-.196	.043	.016	-.390
130	2151	-.195	.042	.015	-.377
130	2152	-.209	.047	-.027	-.596
130	2153	-.239	.062	-.055	-.595
130	2154	-.255	.062	-.075	-.608
130	2155	-.261	.061	-.073	-.602
130	2201	-.319	.107	.019	-.906
130	2202	-.320	.115	.072	-.889
130	2203	-.409	.157	.080	-1.265
130	2204	-.560	.200	-.046	-1.283

APPENDIX A -- PRESSURE DATA ; CONFIGURATION A : GATEWAY PROJECT TOWERS

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
130	2205	-.603	.192	-.033	-1.393
130	2206	-.697	.168	-.196	-1.598
130	2207	-.676	.159	-.284	-1.671
130	2208	-.316	.110	.031	-.989
130	2209	-.304	.121	.132	-.863
130	2210	-.369	.160	.160	-1.265
130	2211	-.554	.182	.003	-1.355
130	2212	-.681	.175	-.057	-1.445
130	2213	-.781	.198	-.144	-1.571
130	2214	-.820	.209	-.091	-1.623
130	2215	-.332	.156	.225	-1.215
130	2216	-.327	.154	.153	-1.180
130	2217	-.404	.181	.076	-1.108
130	2218	-.551	.211	.130	-1.372
130	2219	-.655	.202	.005	-1.602
130	2220	-.619	.160	-.143	-1.390
130	2221	-.611	.152	-.146	-1.290
130	2222	-.328	.170	.148	-1.509
130	2223	-.326	.166	.179	-1.110
130	2224	-.418	.210	.127	-1.260
130	2225	-.572	.233	.098	-1.526
130	2226	-.678	.234	.011	-2.042
130	2227	-.658	.187	-.118	-1.928
130	2228	-.628	.179	-.119	-1.660
130	2229	-.328	.159	.140	-1.371
130	2230	-.328	.165	.152	-1.188
130	2231	-.401	.207	.259	-1.396
130	2232	-.516	.241	.122	-1.764
130	2233	-.653	.248	.054	-1.949
130	2234	-.651	.220	-.110	-2.140
130	2235	-.636	.209	-.146	-1.858
130	2236	-.295	.123	.042	-.962
130	2237	-.301	.133	.046	-.997
130	2238	-.357	.180	.161	-1.217
130	2239	-.505	.237	.069	-1.501
130	2240	-.651	.259	.089	-2.056
130	2241	-.652	.223	-.094	-2.129
130	2242	-.634	.213	-.106	-1.869
130	2243	-.269	.073	-.020	-.630
130	2244	-.243	.070	.033	-.623
130	2245	-.252	.104	.100	-.891
130	2246	-.365	.178	.170	-1.258
130	2247	-.635	.272	.078	-1.887
130	2248	-.683	.250	-.074	-2.231
130	2249	-.668	.226	-.096	-2.235
130	2250	-.265	.059	.002	-.576
130	2251	-.234	.070	.028	-.724
130	2252	-.567	.245	.215	-1.563
130	2253	-.687	.248	-.128	-2.001
130	2254	-.252	.070	-.065	-.782

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
130	2255	-.242	.051	-.054	-.502
130	2256	-.239	.049	-.031	-.491
130	2257	-.260	.054	-.055	-.527
130	2258	-.278	.067	-.018	-.664
130	2259	-.273	.126	.078	-.859
130	2260	-.850	.408	.049	-3.462
130	2261	-.801	.340	-.050	-2.643
130	2301	.451	.153	.946	-.020
130	2302	.408	.149	.877	-.029
130	2303	.199	.112	.596	-.136
130	2304	-.100	.077	.201	-.357
130	2305	.179	.148	.661	-.236
130	2306	.279	.142	.764	-.162
130	2307	.096	.114	.589	-.280
130	2308	-.080	.082	.268	-.421
130	2309	-.240	.081	.069	-.601
130	2310	.480	.184	1.136	-.111
130	2311	.531	.172	1.096	-.053
130	2312	.412	.153	.891	.005
130	2313	.320	.151	.808	-.167
130	2314	.374	.155	.941	-.050
130	2315	.459	.170	1.107	-.052
130	2316	.212	.124	.748	-.169
130	2317	-.096	.088	.233	-.424
130	2318	-.362	.102	.042	-.706
130	2319	.433	.167	.942	-.025
130	2320	.496	.172	1.067	-.093
130	2321	.400	.139	.878	.002
130	2322	.377	.134	.842	-.003
130	2323	.371	.134	.828	-.018
130	2324	.454	.172	1.044	.024
130	2325	.187	.118	.632	-.119
130	2326	-.082	.086	.258	-.357
130	2327	-.289	.087	.076	-.593
130	2328	.392	.163	.949	-.060
130	2329	.456	.162	.985	.057
130	2330	.385	.135	.865	.027
130	2331	.350	.133	.848	.027
130	2332	.345	.133	.911	-.002
130	2333	.402	.154	1.037	-.000
130	2334	.166	.117	.583	-.162
130	2335	-.053	.085	.266	-.345
130	2336	-.202	.080	.071	-.540
130	2337	.317	.170	.968	-.123
130	2338	.398	.162	1.010	.051
130	2339	.335	.132	.793	-.006
130	2340	.312	.124	.757	-.014
130	2341	.299	.127	.753	-.010
130	2342	.338	.141	.927	.008
130	2343	.138	.108	.588	-.130

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
130	2344	-.060	.082	.373	-.348
130	2345	-.188	.083	.141	-.490
130	2346	.253	.138	.842	-.164
130	2347	.317	.126	.868	.036
130	2348	.271	.108	.733	-.021
130	2349	.268	.113	.892	-.037
130	2350	.269	.116	.865	-.045
130	2351	.308	.135	.858	-.033
130	2352	.118	.103	.571	-.146
130	2353	-.094	.079	.216	-.418
130	2354	-.226	.085	.092	-.568
130	2355	.159	.122	.703	-.301
130	2356	.222	.110	.738	-.124
130	2357	.208	.095	.641	-.010
130	2358	.200	.090	.612	-.033
130	2359	.198	.096	.662	-.026
130	2360	.227	.107	.726	-.014
130	2361	.085	.087	.491	-.140
130	2362	-.075	.073	.234	-.306
130	2363	-.192	.082	.108	-.562
130	2364	.094	.108	.577	-.230
130	2365	.178	.085	.505	-.020
130	2366	.165	.085	.775	-.022
130	2367	.063	.083	.439	-.155
130	2368	-.172	.075	.208	-.504
130	2369	.007	.090	.457	-.250
130	2370	.149	.099	.827	-.063
130	2371	.240	.113	.821	.001
130	2372	.229	.110	.795	-.006
130	2373	.237	.107	.645	-.025
130	2374	.232	.108	.652	-.005
130	2375	.143	.107	.579	-.165
130	2376	.001	.082	.338	-.367
130	2377	-.108	.088	.261	-.443
130	2401	-.952	.232	-.384	-2.176
130	2402	-.695	.178	-.183	-1.319
130	2403	-.427	.111	-.066	-1.016
130	2404	-.262	.064	.005	-.689
130	2405	-.223	.065	.061	-.486
130	2406	-.220	.058	-.016	-.461
130	2407	-.238	.069	.086	-.488
130	2408	-.948	.202	-.365	-1.586
130	2409	-.860	.191	-.213	-1.438
130	2410	-.350	.140	-.045	-.922
130	2411	-.202	.054	-.009	-.652
130	2412	-.188	.041	-.062	-.380
130	2413	-.215	.051	-.028	-.436
130	2414	-.252	.064	-.050	-.534
130	2415	-.718	.156	-.313	-1.437
130	2416	-.660	.143	-.279	-1.355

APPENDIX A -- PRESSURE DATA ;   CONFIGURATION A : GATEWAY PROJECT TOWERS

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
130	2417	-.442	.209	-.000	-1.197
130	2418	-.218	.103	.021	-.745
130	2419	-.195	.051	.020	-.451
130	2420	-.187	.047	-.023	-.426
130	2421	-.236	.061	.006	-.547
130	2422	-.673	.155	-.243	-1.402
130	2423	-.683	.160	-.246	-1.480
130	2424	-.461	.219	-.019	-1.225
130	2425	-.229	.131	.079	-1.061
130	2426	-.190	.062	.087	-.680
130	2427	-.177	.048	.055	-.624
130	2428	-.205	.048	-.008	-.558
130	2429	-.637	.162	-.225	-1.347
130	2430	-.642	.164	-.165	-1.391
130	2431	-.373	.203	.050	-1.372
130	2432	-.187	.097	.087	-.806
130	2433	-.174	.051	.063	-.646
130	2434	-.176	.042	.022	-.401
130	2435	-.202	.045	-.003	-.456
130	2436	-.589	.166	-.241	-1.464
130	2437	-.611	.173	-.125	-1.347
130	2438	-.307	.174	.031	-1.097
130	2439	-.166	.079	.129	-.796
130	2440	-.160	.048	.030	-.580
130	2441	-.173	.040	-.030	-.403
130	2442	-.203	.046	-.044	-.456
130	2443	-.516	.153	-.114	-1.248
130	2444	-.512	.165	.016	-1.324
130	2445	-.232	.140	.045	-1.202
130	2446	-.138	.053	.024	-.824
130	2447	-.134	.034	.022	-.430
130	2448	-.153	.036	-.000	-.380
130	2449	-.183	.042	-.005	-.386
130	2450	-.431	.141	-.093	-1.226
130	2451	-.192	.117	.053	-1.127
130	2452	-.113	.031	.021	-.279
130	2453	-.132	.033	.026	-.260
130	2454	-.155	.039	.026	-.354
130	2455	-.377	.168	-.059	-1.194
130	2456	-.361	.177	.050	-1.218
130	2457	-.110	.079	.127	-.574
130	2458	-.089	.039	.087	-.281
130	2459	-.091	.031	.026	-.228
130	2460	-.112	.033	.091	-.230
130	2461	-.130	.037	.028	-.311
130	2901	-.301	.161	.190	-.989
130	2902	-.445	.162	-.036	-1.152
130	2903	-.588	.116	-.198	-1.188
130	2904	-.198	.154	.682	-.765
130	2905	-.600	.139	-.150	-1.184
130	2906	-.585	.097	-.235	-1.007
130	2907	-.459	.137	.085	-1.063
130	2908	-.628	.116	-.202	-1.120
130	2909	-.589	.115	-.259	-1.010
130	2910	-.255	.060	-.086	-.590
130	2911	-.263	.060	-.100	-.513
140	1101	-.295	.074	-.125	-.956
140	1102	-.281	.066	-.115	-.783
140	1103	-.283	.080	.046	-.722
140	1104	-.278	.074	-.039	-.696
140	1105	-.276	.073	-.028	-.668
140	1106	-.263	.067	-.087	-.595
140	1107	-.284	.072	-.120	-.785
140	1108	-.283	.073	-.095	-.790
140	1109	-.276	.067	-.003	-1.235
140	1110	-.272	.057	-.115	-.728
140	1111	-.252	.055	-.058	-.562
140	1112	-.243	.050	-.076	-.498
140	1113	-.272	.075	-.079	-.743
140	1114	-.265	.077	-.034	-.786
140	1115	-.258	.071	-.008	-.695
140	1116	-.249	.056	-.090	-.657
140	1117	-.235	.053	-.053	-.639
140	1118	-.239	.066	-.036	-.699
140	1119	-.258	.074	-.055	-.891
140	1120	-.256	.072	.010	-1.262
140	1121	-.249	.062	-.071	-.620
140	1122	-.242	.052	-.105	-.566
140	1123	-.237	.056	-.028	-.585
140	1124	-.222	.057	-.072	-.671
140	1125	-.245	.060	-.038	-.848
140	1126	-.243	.061	-.022	-.787
140	1127	-.236	.055	-.067	-.578
140	1128	-.234	.047	-.093	-.501
140	1129	-.228	.051	-.078	-.529
140	1130	-.233	.059	-.076	-.652
140	1131	-.249	.060	-.036	-.722
140	1132	-.247	.059	-.071	-.733
140	1133	-.244	.056	-.058	-.569
140	1134	-.244	.047	-.084	-.462
140	1135	-.221	.044	-.088	-.460
140	1136	-.231	.054	-.093	-.599
140	1137	-.261	.056	-.127	-.573
140	1138	-.259	.055	-.113	-.552
140	1139	-.268	.057	-.097	-.620
140	1140	-.261	.054	-.089	-.616
140	1141	-.219	.050	-.074	-.682
140	1142	-.210	.049	-.045	-.753
140	1143	-.272	.053	-.118	-.613
140	1144	-.273	.062	-.055	-.651
140	1145	-.239	.061	-.020	-.584
140	1146	-.172	.052	.026	-.702
140	1147	-.267	.052	-.125	-.656
140	1148	-.282	.066	-.090	-.587
140	1149	-.271	.073	-.058	-.711
140	1150	-.262	.059	-.108	-.532
140	1151	-.258	.051	-.090	-.506
140	1152	-.246	.062	-.082	-.641
140	1153	-.206	.059	.001	-.518
140	1154	-.173	.036	.013	-.312
140	1155	-.158	.049	.004	-.686
140	1201	-.286	.069	-.038	-.655
140	1202	-.249	.069	.010	-.645
140	1203	-.225	.092	-.009	-.880
140	1204	-.273	.108	.042	-.877
140	1205	-.466	.167	-.028	-1.168
140	1206	-.691	.188	-.107	-1.470
140	1207	-.866	.227	-.303	-1.784
140	1208	-.256	.055	-.034	-.487
140	1209	-.240	.050	-.028	-.528
140	1210	-.218	.058	.003	-.594
140	1211	-.300	.108	.010	-.822
140	1212	-.572	.175	-.142	-1.123
140	1213	-.818	.174	-.364	-1.502
140	1214	-.760	.164	-.288	-1.305
140	1215	-.263	.099	.016	-1.143
140	1216	-.250	.094	.083	-.720
140	1217	-.326	.137	.080	-.922
140	1218	-.481	.162	.032	-1.040
140	1219	-.608	.131	-.088	-1.199
140	1220	-.599	.111	-.301	-1.327
140	1221	-.597	.110	-.279	-1.216
140	1222	-.264	.129	.066	-1.351
140	1223	-.261	.126	.137	-1.032
140	1224	-.330	.151	.125	-.958
140	1225	-.478	.167	-.019	-1.302
140	1226	-.583	.134	-.077	-1.430
140	1227	-.575	.113	-.285	-1.143
140	1228	-.618	.121	-.302	-1.257
140	1229	-.238	.084	-.018	-1.153
140	1230	-.232	.095	.078	-1.023
140	1231	-.278	.143	.198	-1.021
140	1232	-.425	.190	.007	-1.248
140	1233	-.589	.161	-.135	-1.434
140	1234	-.613	.141	-.304	-1.498
140	1235	-.604	.138	-.290	-1.512
140	1236	-.242	.049	-.058	-.578
140	1237	-.214	.060	-.038	-.633
140	1238	-.223	.104	.078	-.877
140	1239	-.329	.172	.098	-1.247

APPENDIX A -- PRESSURE DATA ; CONFIGURATION A : GATEWAY PROJECT TOWERS

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
140	1240	-.541	.197	-.015	-1.342
140	1241	-.631	.161	-.245	-1.469
140	1242	-.624	.165	-.274	-1.475
140	1243	-.212	.046	-.050	-.568
140	1244	-.168	.042	-.027	-.437
140	1245	-.159	.055	.053	-.565
140	1246	-.213	.122	.074	-.943
140	1247	-.430	.206	.012	-1.495
140	1248	-.588	.188	-.218	-1.574
140	1249	-.598	.181	-.228	-2.084
140	1250	-.192	.037	-.061	-.349
140	1251	-.142	.034	.001	-.380
140	1252	-.333	.176	.019	-1.152
140	1253	-.550	.167	-.203	-1.358
140	1254	-.166	.034	.008	-.336
140	1255	-.141	.028	-.018	-.264
140	1256	-.131	.027	-.003	-.239
140	1257	-.132	.039	.088	-.470
140	1258	-.189	.112	.133	-.936
140	1259	-.539	.212	-.069	-1.941
140	1260	-.556	.209	-.087	-1.534
140	1301	-.424	.083	-.148	-.736
140	1302	-.206	.069	.112	-.454
140	1303	.025	.095	.454	-.276
140	1304	.345	.166	1.008	-.135
140	1305	.025	.104	.440	-.285
140	1306	-.117	.070	.135	-.368
140	1307	.093	.102	.428	-.236
140	1308	.365	.151	.832	-.046
140	1309	.435	.168	.935	-.053
140	1310	-.477	.103	-.210	-.906
140	1311	-.200	.078	.096	-.499
140	1312	.103	.104	.451	-.220
140	1313	.426	.161	1.032	-.017
140	1314	.225	.117	.740	-.243
140	1315	.252	.117	.758	-.124
140	1316	.300	.128	.844	-.118
140	1317	.503	.164	1.026	.006
140	1318	.505	.169	1.085	.011
140	1319	-.414	.086	-.111	-.824
140	1320	-.216	.072	.070	-.573
140	1321	.084	.096	.546	-.178
140	1322	.430	.166	1.009	-.050
140	1323	.274	.113	.712	-.068
140	1324	.296	.114	.725	-.045
140	1325	.329	.123	.786	-.033
140	1326	.505	.168	1.058	.033
140	1327	.485	.179	1.165	-.027
140	1328	-.318	.079	-.065	-.628
140	1329	-.152	.074	.158	-.408

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
140	1330	.066	.099	.461	-.257
140	1331	.348	.152	.902	-.056
140	1332	.237	.106	.660	-.040
140	1333	.278	.109	.719	.010
140	1334	.289	.118	.684	-.002
140	1335	.453	.163	1.023	.064
140	1336	.441	.169	1.101	-.008
140	1337	-.217	.071	.094	-.488
140	1338	-.110	.073	.203	-.331
140	1339	.055	.091	.505	-.232
140	1340	.324	.140	.998	-.013
140	1341	.223	.103	.629	-.061
140	1342	.237	.104	.663	-.036
140	1343	.255	.113	.661	-.008
140	1344	.367	.145	.927	.005
140	1345	.350	.156	.916	-.092
140	1346	-.227	.076	.092	-.511
140	1347	-.121	.068	.121	-.402
140	1348	.039	.083	.343	-.256
140	1349	.258	.125	.758	-.035
140	1350	.178	.093	.564	-.065
140	1351	.199	.093	.624	-.049
140	1352	.224	.098	.689	-.041
140	1353	.330	.130	.856	-.012
140	1354	.318	.141	.860	-.044
140	1355	-.225	.082	.101	-.538
140	1356	-.118	.068	.220	-.362
140	1357	.048	.086	.519	-.180
140	1358	.200	.105	.624	-.032
140	1359	.141	.082	.508	-.051
140	1360	.141	.076	.610	-.109
140	1361	.166	.085	.511	-.053
140	1362	.236	.111	.720	-.041
140	1363	.204	.118	.835	-.204
140	1364	-.211	.081	-.000	-.552
140	1365	.009	.073	.392	-.208
140	1366	.131	.075	.547	-.093
140	1367	.134	.073	.503	-.034
140	1368	.135	.105	.614	-.219
140	1369	-.155	.077	.153	-.505
140	1370	-.073	.068	.232	-.329
140	1371	.060	.086	.607	-.163
140	1372	.177	.100	.624	-.061
140	1373	.177	.100	.658	-.046
140	1374	.143	.089	.631	-.044
140	1375	.168	.089	.610	-.061
140	1376	.131	.079	.481	-.068
140	1377	.057	.079	.431	-.204
140	1401	-.864	.237	.078	-1.970
140	1402	-.768	.274	.194	-1.973

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
140	1403	-.346	.168	-.023	-1.271
140	1404	-.323	.111	-.086	-.980
140	1405	-.255	.061	-.054	-.787
140	1406	-.256	.049	-.100	-.711
140	1407	-.313	.062	-.126	-.670
140	1408	-.815	.200	.039	-1.632
140	1409	-.770	.209	.052	-1.797
140	1410	-.591	.260	.021	-1.617
140	1411	-.255	.098	-.007	-1.033
140	1412	-.235	.059	.005	-.797
140	1413	-.287	.055	-.113	-.833
140	1414	-.317	.065	-.135	-1.106
140	1415	-.688	.191	.071	-2.218
140	1416	-.696	.200	.126	-1.845
140	1417	-.553	.258	.087	-1.475
140	1418	-.333	.179	.132	-1.068
140	1419	-.258	.107	.085	-.908
140	1420	-.263	.068	-.034	-.787
140	1421	-.286	.067	-.066	-.733
140	1422	-.683	.201	-.046	-2.193
140	1423	-.706	.235	.136	-2.153
140	1424	-.560	.281	.089	-1.739
140	1425	-.336	.185	.082	-1.154
140	1426	-.258	.115	.123	-1.052
140	1427	-.251	.080	.106	-.889
140	1428	-.256	.066	.002	-.736
140	1429	-.661	.209	-.053	-1.593
140	1430	-.669	.240	.123	-1.867
140	1431	-.478	.270	.115	-1.697
140	1432	-.299	.161	.089	-1.305
140	1433	-.247	.092	.100	-.896
140	1434	-.242	.066	.011	-.675
140	1435	-.255	.062	-.032	-.693
140	1436	-.630	.224	.232	-1.896
140	1437	-.630	.255	.150	-1.909
140	1438	-.437	.263	.084	-1.876
140	1439	-.321	.172	.095	-1.137
140	1440	-.234	.080	.072	-.799
140	1441	-.237	.055	-.023	-.700
140	1442	-.247	.052	-.069	-.697
140	1443	-.581	.236	.384	-2.244
140	1444	-.604	.248	.233	-2.169
140	1445	-.455	.243	.077	-1.638
140	1446	-.279	.140	.058	-1.168
140	1447	-.223	.069	.021	-.693
140	1448	-.238	.048	.052	-.560
140	1449	-.250	.048	-.060	-.505
140	1450	-.552	.247	.146	-2.035
140	1451	-.309	.181	.137	-1.240
140	1452	-.226	.048	-.017	-.440

APPENDIX A -- PRESSURE DATA ;   CONFIGURATION A : GATEWAY PROJECT TOWERS

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
140	1453	-.257	.043	-.118	-.467
140	1454	-.541	.235	.257	-1.758
140	1455	-.552	.281	.102	-1.902
140	1456	-.268	.116	-.012	-1.120
140	1457	-.247	.054	-.071	-.618
140	1458	-.234	.045	.028	-.454
140	1459	-.244	.045	-.072	-.550
140	1460	-.260	.048	-.107	-.579
140	1461	-.272	.065	-.067	-.609
140	1901	-.329	.147	.304	-.881
140	1902	-.527	.131	-.118	-1.164
140	1903	-.600	.126	-.238	-1.140
140	1904	-.130	.107	.586	-.554
140	1905	-.473	.120	-.048	-.953
140	1906	-.572	.101	-.277	-.935
140	1907	-.117	.112	.334	-.632
140	1908	-.233	.111	.156	-.724
140	1909	-.509	.103	-.188	-.918
140	1910	-.274	.069	-.110	-.646
140	1911	-.276	.061	-.122	-.575
140	2101	-.279	.072	-.003	-.637
140	2102	-.290	.064	-.092	-.651
140	2103	-.273	.070	-.059	-.879
140	2104	-.269	.070	-.009	-.850
140	2105	-.264	.054	-.073	-.608
140	2106	-.263	.052	-.086	-.569
140	2107	-.258	.055	-.072	-.515
140	2108	-.260	.049	-.121	-.470
140	2109	-.268	.047	-.121	-.488
140	2110	-.268	.047	-.083	-.497
140	2111	-.268	.050	-.041	-.522
140	2112	-.270	.049	-.079	-.529
140	2113	-.252	.064	-.071	-.673
140	2114	-.246	.052	-.091	-.549
140	2115	-.252	.046	-.111	-.474
140	2116	-.255	.054	-.082	-.713
140	2117	-.263	.062	-.023	-.592
140	2118	-.267	.061	-.071	-.579
140	2119	-.248	.069	-.046	-.664
140	2120	-.239	.055	-.070	-.570
140	2121	-.248	.048	-.076	-.496
140	2122	-.253	.056	-.031	-.571
140	2123	-.256	.064	-.044	-.684
140	2124	-.259	.064	-.026	-.690
140	2125	-.237	.059	-.054	-.730
140	2126	-.236	.048	-.073	-.633
140	2127	-.243	.045	-.095	-.537
140	2128	-.245	.055	-.031	-.603
140	2129	-.250	.061	-.016	-.663
140	2130	-.252	.059	-.081	-.675

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
140	2131	-.254	.061	-.091	-.704
140	2132	-.251	.053	-.116	-.545
140	2133	-.260	.049	-.059	-.498
140	2134	-.260	.054	-.059	-.653
140	2135	-.258	.058	-.066	-.682
140	2136	-.257	.059	-.065	-.681
140	2137	-.216	.085	.015	-1.081
140	2138	-.220	.064	-.002	-.648
140	2139	-.284	.069	-.019	-.634
140	2140	-.303	.066	-.086	-.674
140	2141	-.279	.067	-.126	-.780
140	2142	-.280	.065	-.128	-.725
140	2143	-.169	.072	.080	-1.007
140	2144	-.240	.074	-.008	-.547
140	2145	-.309	.078	-.073	-.811
140	2146	-.297	.065	-.130	-.806
140	2147	-.293	.075	-.044	-.664
140	2148	-.301	.065	-.095	-.831
140	2149	-.297	.065	-.154	-.654
140	2150	-.166	.051	.038	-.591
140	2151	-.166	.049	.060	-.603
140	2152	-.204	.068	-.017	-.642
140	2153	-.266	.081	.032	-.771
140	2154	-.289	.065	-.122	-.715
140	2155	-.289	.064	-.142	-.730
140	2201	-.239	.044	-.083	-.496
140	2202	-.233	.045	-.036	-.524
140	2203	-.256	.056	-.091	-.591
140	2204	-.312	.098	-.026	-.969
140	2205	-.325	.152	-.056	-1.189
140	2206	-.820	.269	.063	-1.634
140	2207	-.799	.216	-.012	-1.703
140	2208	-.258	.046	-.091	-.889
140	2209	-.235	.046	.024	-.547
140	2210	-.236	.056	-.049	-.720
140	2211	-.270	.096	-.032	-.902
140	2212	-.500	.227	.021	-1.228
140	2213	-.783	.228	.141	-1.552
140	2214	-.816	.211	.022	-1.684
140	2215	-.245	.061	-.012	-.624
140	2216	-.238	.064	.004	-.592
140	2217	-.245	.091	.024	-.895
140	2218	-.312	.166	.069	-1.099
140	2219	-.534	.273	.109	-1.493
140	2220	-.698	.217	.179	-1.741
140	2221	-.690	.186	.277	-1.691
140	2222	-.243	.072	.011	-.837
140	2223	-.241	.080	.048	-.817
140	2224	-.254	.109	.058	-.929
140	2225	-.330	.187	.240	-1.191

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
140	2226	-.523	.283	.161	-1.673
140	2227	-.712	.242	.174	-2.799
140	2228	-.692	.225	.054	-1.957
140	2229	-.240	.062	-.028	-.661
140	2230	-.236	.070	.031	-.729
140	2231	-.246	.102	.112	-1.039
140	2232	-.304	.176	.127	-1.373
140	2233	-.480	.279	.102	-2.282
140	2234	-.686	.257	.215	-2.068
140	2235	-.683	.228	.371	-1.898
140	2236	-.239	.053	-.008	-.625
140	2237	-.236	.058	.016	-.595
140	2238	-.234	.082	.055	-.727
140	2239	-.273	.150	.121	-1.206
140	2240	-.422	.262	.084	-1.769
140	2241	-.624	.269	.093	-2.077
140	2242	-.628	.238	.181	-1.700
140	2243	-.250	.045	-.088	-.498
140	2244	-.236	.048	-.058	-.466
140	2245	-.215	.057	.014	-.484
140	2246	-.236	.106	.098	-.924
140	2247	-.400	.245	.059	-1.575
140	2248	-.580	.280	.179	-2.692
140	2249	-.591	.237	.243	-2.338
140	2250	-.258	.046	-.068	-.519
140	2251	-.218	.047	-.007	-.470
140	2252	-.315	.203	.111	-1.209
140	2253	-.554	.263	.302	-2.099
140	2254	-.290	.077	-.001	-.945
140	2255	-.249	.043	-.081	-.468
140	2256	-.229	.038	-.089	-.376
140	2257	-.224	.040	-.070	-.373
140	2258	-.224	.047	-.041	-.454
140	2259	-.176	.077	.075	-.697
140	2260	-.531	.346	.115	-3.013
140	2261	-.525	.293	.120	-2.329
140	2301	.485	.172	1.001	-.002
140	2302	.377	.158	.825	-.069
140	2303	.129	.100	.521	-.169
140	2304	-.131	.076	.198	-.407
140	2305	.131	.148	.739	-.254
140	2306	.325	.150	.921	-.147
140	2307	.013	.101	.433	-.404
140	2308	-.176	.071	.194	-.400
140	2309	-.373	.079	-.050	-.655
140	2310	.590	.176	1.134	.009
140	2311	.545	.167	1.079	.027
140	2312	.302	.130	.716	-.054
140	2313	.219	.140	.690	-.340
140	2314	.286	.136	.809	-.115

APPENDIX A -- PRESSURE DATA ;   CONFIGURATION A : GATEWAY PROJECT TOWERS

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
140	2315	.445	.171	1.083	-.079
140	2316	.094	.109	.495	-.272
140	2317	-.227	.078	.097	-.501
140	2318	-.511	.106	-.149	-.951
140	2319	.515	.183	1.111	.043
140	2320	.522	.162	1.181	.016
140	2321	.338	.126	.809	-.038
140	2322	.308	.120	.764	-.059
140	2323	.282	.118	.758	-.072
140	2324	.405	.176	.970	-.060
140	2325	.062	.097	.401	-.227
140	2326	-.183	.068	.107	-.436
140	2327	-.362	.069	-.125	-.623
140	2328	.439	.168	1.054	-.030
140	2329	.443	.164	1.057	.022
140	2330	.293	.129	.846	.007
140	2331	.262	.115	.675	-.058
140	2332	.242	.113	.710	-.083
140	2333	.378	.173	.982	-.055
140	2334	.041	.096	.373	-.219
140	2335	-.164	.069	.106	-.404
140	2336	-.296	.066	-.085	-.557
140	2337	.402	.165	.955	-.121
140	2338	.426	.155	.963	.006
140	2339	.270	.120	.700	-.047
140	2340	.241	.112	.658	-.059
140	2341	.222	.119	.672	-.116
140	2342	.304	.142	.923	-.062
140	2343	.035	.099	.413	-.289
140	2344	-.170	.078	.134	-.456
140	2345	-.300	.078	.003	-.685
140	2346	.315	.146	1.009	-.098
140	2347	.335	.130	.767	.044
140	2348	.202	.112	.721	-.071
140	2349	.177	.095	.560	-.085
140	2350	.164	.096	.553	-.083
140	2351	.256	.130	.834	-.075
140	2352	-.007	.086	.357	-.292
140	2353	-.219	.073	.066	-.469
140	2354	-.361	.084	-.025	-.668
140	2355	.233	.128	.822	-.100
140	2356	.243	.116	.806	-.010
140	2357	.145	.095	.557	-.082
140	2358	.139	.089	.505	-.083
140	2359	.126	.093	.560	-.096
140	2360	.200	.120	.773	-.090
140	2361	-.003	.080	.321	-.241
140	2362	-.184	.071	.082	-.463
140	2363	-.311	.083	-.024	-.689
140	2364	.157	.106	.638	-.399

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
140	2365	.123	.084	.601	-.075
140	2366	.113	.077	.462	-.081
140	2367	-.023	.074	.286	-.242
140	2368	-.316	.092	-.059	-.750
140	2369	.045	.075	.416	-.209
140	2370	.127	.084	.606	-.065
140	2371	.152	.095	.664	-.077
140	2372	.137	.090	.618	-.092
140	2373	.170	.109	.804	-.082
140	2374	.163	.109	.715	-.093
140	2375	.018	.090	.431	-.250
140	2376	-.142	.073	.119	-.442
140	2377	-.247	.080	-.026	-.670
140	2401	-1.072	.224	-.459	-1.881
140	2402	-.709	.210	-.146	-1.655
140	2403	-.509	.174	-.043	-1.354
140	2404	-.305	.109	.006	-.947
140	2405	-.255	.098	.008	-.800
140	2406	-.256	.075	-.026	-.656
140	2407	-.273	.071	-.079	-.701
140	2408	-1.037	.212	-.485	-1.840
140	2409	-.889	.174	-.367	-1.555
140	2410	-.599	.151	-.188	-1.117
140	2411	-.323	.090	-.017	-.715
140	2412	-.249	.058	-.058	-.531
140	2413	-.246	.050	-.040	-.612
140	2414	-.258	.048	-.089	-.501
140	2415	-.674	.111	-.335	-1.124
140	2416	-.634	.103	-.303	-1.343
140	2417	-.677	.152	-.102	-1.254
140	2418	-.482	.178	.046	-1.142
140	2419	-.314	.127	.038	-.848
140	2420	-.241	.085	.014	-.642
140	2421	-.254	.073	-.035	-.729
140	2422	-.663	.125	-.301	-1.521
140	2423	-.666	.128	-.294	-1.540
140	2424	-.646	.139	-.102	-1.201
140	2425	-.481	.177	.163	-1.176
140	2426	-.333	.148	.086	-1.093
140	2427	-.251	.109	.232	-.759
140	2428	-.251	.102	.181	-1.002
140	2429	-.706	.150	-.346	-1.489
140	2430	-.711	.148	-.356	-1.465
140	2431	-.634	.185	-.119	-1.416
140	2432	-.405	.184	.013	-1.096
140	2433	-.266	.121	.087	-.950
140	2434	-.220	.079	.059	-.768
140	2435	-.230	.070	-.037	-.871
140	2436	-.683	.173	-.314	-1.802
140	2437	-.688	.171	-.314	-1.531

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
140	2438	-.515	.194	-.079	-1.409
140	2439	-.302	.151	-.023	-1.167
140	2440	-.240	.101	.035	-.984
140	2441	-.204	.057	.023	-.754
140	2442	-.224	.050	-.043	-.627
140	2443	-.620	.157	-.300	-1.480
140	2444	-.630	.163	-.191	-1.456
140	2445	-.408	.179	-.003	-1.304
140	2446	-.215	.091	.072	-.758
140	2447	-.172	.046	.024	-.474
140	2448	-.179	.042	-.028	-.403
140	2449	-.206	.049	-.065	-.454
140	2450	-.587	.165	-.249	-1.381
140	2451	-.358	.162	-.020	-1.230
140	2452	-.152	.037	-.011	-.407
140	2453	-.150	.038	-.003	-.337
140	2454	-.163	.045	.011	-.381
140	2455	-.573	.182	-.192	-1.397
140	2456	-.574	.184	-.116	-1.481
140	2457	-.235	.094	-.003	-.776
140	2458	-.157	.041	.006	-.366
140	2459	-.137	.032	-.022	-.243
140	2460	-.135	.037	.013	-.265
140	2461	-.144	.046	.030	-.359
140	2901	-.077	.121	.419	-.611
140	2902	-.207	.127	.226	-.794
140	2903	-.497	.107	-.192	-.925
140	2904	-.110	.104	.314	-.498
140	2905	-.439	.126	-.042	-.943
140	2906	-.585	.102	-.264	-.953
140	2907	-.272	.151	.196	-.880
140	2908	-.502	.142	-.086	-1.022
140	2909	-.598	.124	-.213	-1.148
140	2910	-.282	.055	-.120	-.629
140	2911	-.284	.062	-.128	-.623
150	1101	-.415	.136	-.033	-1.087
150	1102	-.373	.124	.001	-1.146
150	1103	-.322	.117	-.018	-1.207
150	1104	-.311	.104	-.003	-.869
150	1105	-.289	.090	.081	-.786
150	1106	-.280	.086	.002	-.587
150	1107	-.378	.124	-.026	-1.007
150	1108	-.359	.116	-.018	-.938
150	1109	-.321	.104	.117	-.909
150	1110	-.312	.092	.008	-.983
150	1111	-.285	.076	-.041	-.795
150	1112	-.277	.078	-.000	-.725
150	1113	-.343	.120	.029	-.871
150	1114	-.328	.113	.042	-.970
150	1115	-.303	.095	.059	-.829

APPENDIX A -- PRESSURE DATA ; CONFIGURATION A : GATEWAY PROJECT TOW

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
150	1116	-.277	.077	-.046	-.892	150	1211	-.176	.064	.025	-.887	150	1301	-.291	.084	.096	-.592
150	1117	-.246	.066	-.012	-.581	150	1212	-.340	.169	.012	-.984	150	1302	-.110	.086	.294	-.392
150	1118	-.242	.070	-.000	-.591	150	1213	-.756	.168	-.218	-1.365	150	1303	.097	.119	.530	-.363
150	1119	-.332	.132	.035	-.892	150	1214	-.728	.152	-.136	-1.328	150	1304	.305	.153	.844	-.171
150	1120	-.312	.125	.049	-.793	150	1215	-.242	.066	.011	-.536	150	1305	.102	.111	.520	-.220
150	1121	-.281	.092	.006	-.767	150	1216	-.215	.058	.011	-.524	150	1306	-.072	.076	.238	-.294
150	1122	-.255	.066	-.055	-.586	150	1217	-.187	.077	.057	-.656	150	1307	.170	.109	.552	-.181
150	1123	-.229	.056	-.013	-.543	150	1218	-.268	.155	.101	-.918	150	1308	.370	.160	.841	-.093
150	1124	-.223	.058	.044	-.598	150	1219	-.518	.206	.037	-1.147	150	1309	.423	.184	.975	-.219
150	1125	-.315	.124	.011	-1.044	150	1220	-.636	.142	-.223	-1.355	150	1310	-.320	.099	.023	-.729
150	1126	-.301	.114	.003	-1.210	150	1221	-.623	.136	-.230	-1.434	150	1311	-.058	.083	.278	-.379
150	1127	-.272	.089	.032	-.789	150	1222	-.219	.057	.098	-.612	150	1312	.224	.122	.675	-.126
150	1128	-.255	.065	.004	-.644	150	1223	-.194	.060	.131	-.615	150	1313	.445	.177	1.023	-.074
150	1129	-.231	.055	-.053	-.534	150	1224	-.179	.078	.054	-.885	150	1314	.340	.133	.738	-.021
150	1130	-.229	.059	-.054	-.726	150	1225	-.247	.149	.081	-.912	150	1315	.326	.128	.728	-.029
150	1131	-.311	.109	-.024	-.909	150	1226	-.457	.203	.018	-1.163	150	1316	.377	.140	.791	-.014
150	1132	-.300	.103	-.001	-.921	150	1227	-.577	.145	-.170	-1.190	150	1317	.519	.183	1.047	.029
150	1133	-.278	.093	-.048	-1.228	150	1228	-.638	.153	-.222	-1.383	150	1318	.472	.189	1.069	-.150
150	1134	-.261	.069	-.072	-.610	150	1229	-.225	.056	-.034	-.570	150	1319	-.298	.104	.087	-.631
150	1135	-.228	.055	-.054	-.506	150	1230	-.196	.052	.004	-.570	150	1320	-.084	.086	.268	-.352
150	1136	-.229	.061	.098	-.659	150	1231	-.164	.072	.095	-.795	150	1321	.204	.115	.629	-.107
150	1137	-.290	.087	-.090	-.769	150	1232	-.190	.121	.051	-.796	150	1322	.435	.161	.996	.008
150	1138	-.278	.078	-.019	-.855	150	1233	-.370	.201	.059	-1.138	150	1323	.359	.139	.877	.035
150	1139	-.265	.068	.037	-.731	150	1234	-.564	.155	-.047	-1.564	150	1324	.368	.137	.821	.064
150	1140	-.251	.055	-.059	-.513	150	1235	-.552	.150	-.217	-1.476	150	1325	.390	.146	.878	.074
150	1141	-.219	.044	-.040	-.403	150	1236	-.236	.050	-.010	-.494	150	1326	.463	.182	1.069	.006
150	1142	-.209	.048	.006	-.534	150	1237	-.186	.042	-.024	-.518	150	1327	.434	.175	.971	-.130
150	1143	-.270	.067	-.064	-.711	150	1238	-.147	.049	.025	-.535	150	1328	-.207	.090	.121	-.521
150	1144	-.261	.060	-.053	-.574	150	1239	-.156	.094	.090	-.743	150	1329	-.037	.083	.325	-.276
150	1145	-.233	.051	-.075	-.544	150	1240	-.267	.182	.068	-1.159	150	1330	.193	.110	.662	-.158
150	1146	-.199	.047	.063	-.491	150	1241	-.505	.175	-.014	-1.341	150	1331	.390	.149	.912	.035
150	1147	-.256	.059	-.033	-.581	150	1242	-.509	.168	-.140	-1.408	150	1332	.342	.121	.777	.050
150	1148	-.256	.058	-.083	-.591	150	1243	-.207	.040	-.071	-.445	150	1333	.349	.126	.813	.032
150	1149	-.243	.051	-.087	-.646	150	1244	-.152	.037	-.023	-.346	150	1334	.369	.131	.844	.054
150	1150	-.241	.048	-.066	-.561	150	1245	-.120	.035	.062	-.342	150	1335	.419	.164	1.000	-.022
150	1151	-.244	.055	-.027	-.525	150	1246	-.115	.061	.067	-.479	150	1336	.359	.165	.953	-.117
150	1152	-.242	.051	-.056	-.501	150	1247	-.213	.146	.068	-.866	150	1337	-.112	.076	.172	-.372
150	1153	-.211	.049	-.007	-.518	150	1248	-.451	.156	.071	-1.081	150	1338	-.002	.077	.288	-.267
150	1154	-.202	.046	.042	-.471	150	1249	-.444	.152	-.029	-1.160	150	1339	.177	.105	.648	-.126
150	1155	-.192	.053	.000	-.443	150	1250	-.210	.044	-.027	-.510	150	1340	.353	.133	.882	.028
150	1201	-.278	.077	.001	-.592	150	1251	-.113	.030	.047	-.283	150	1341	.309	.118	.806	.025
150	1202	-.234	.060	-.034	-.450	150	1252	-.160	.116	.082	-.956	150	1342	.309	.116	.762	.015
150	1203	-.218	.064	.014	-.597	150	1253	-.393	.146	-.051	-1.113	150	1343	.351	.132	.919	-.017
150	1204	-.248	.067	-.028	-.633	150	1254	-.182	.038	-.009	-.339	150	1344	.399	.161	1.050	.020
150	1205	-.391	.110	-.088	-.979	150	1255	-.137	.030	-.017	-.263	150	1345	.333	.168	.928	-.085
150	1206	-.728	.161	-.246	-1.286	150	1256	-.096	.028	.035	-.192	150	1346	-.121	.083	.172	-.574
150	1207	-.819	.210	-.304	-1.986	150	1257	-.067	.035	.072	-.203	150	1347	-.011	.073	.295	-.246
150	1208	-.291	.080	.050	-.617	150	1258	-.073	.078	.109	-.584	150	1348	.142	.090	.514	-.139
150	1209	-.233	.054	.022	-.459	150	1259	-.332	.179	.104	1.530	150	1349	.287	.121	.781	-.015
150	1210	-.168	.041	-.003	-.401	150	1260	-.331	.165	.009	-1.317	150	1350	.252	.103	.698	.003

APPENDIX A -- PRESSURE DATA ;   CONFIGURATION A : GATEWAY PROJECT TOWERS

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
150	1351	.280	.103	.704	.048
150	1352	.300	.107	.723	.055
150	1353	.330	.132	.813	-.026
150	1354	.262	.141	.758	-.149
150	1355	-.091	.074	.273	-.419
150	1356	.002	.068	.372	-.231
150	1357	.127	.085	.506	-.101
150	1358	.229	.105	.802	-.034
150	1359	.202	.091	.680	.015
150	1360	.198	.089	.634	-.003
150	1361	.214	.095	.684	.001
150	1362	.220	.116	.730	-.101
150	1363	.173	.134	.704	-.194
150	1364	-.101	.075	.251	-.422
150	1365	.099	.075	.486	-.107
150	1366	.191	.089	.555	-.013
150	1367	.195	.091	.673	-.052
150	1368	.088	.108	.574	-.221
150	1369	-.037	.071	.218	-.318
150	1370	.038	.067	.308	-.177
150	1371	.170	.091	.603	-.052
150	1372	.234	.099	.708	.017
150	1373	.235	.100	.698	.022
150	1374	.213	.095	.617	.010
150	1375	.239	.100	.677	-.005
150	1376	.135	.089	.616	-.060
150	1377	.013	.088	.447	-.243
150	1401	-.629	.149	-.229	-1.371
150	1402	-.665	.165	-.169	-1.655
150	1403	-.632	.190	-.013	-1.462
150	1404	-.582	.189	-.084	-1.363
150	1405	-.423	.151	.127	-1.017
150	1406	-.337	.109	-.005	-1.118
150	1407	-.381	.113	-.035	-.982
150	1408	-.643	.147	-.220	-1.270
150	1409	-.660	.160	-.021	-1.244
150	1410	-.663	.160	-.149	-1.465
150	1411	-.546	.181	.110	-1.338
150	1412	-.401	.169	.199	-1.216
150	1413	-.354	.121	.127	-.998
150	1414	-.390	.122	.060	-1.041
150	1415	-.624	.153	-.137	-1.356
150	1416	-.627	.150	-.237	-1.488
150	1417	-.665	.183	-.062	-1.477
150	1418	-.580	.202	.108	-1.417
150	1419	-.431	.180	.128	-1.100
150	1420	-.342	.139	.129	-1.046
150	1421	-.353	.132	.065	-1.162
150	1422	-.601	.173	-.071	-1.429
150	1423	-.632	.186	-.110	-1.811

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
150	1424	-.665	.218	-.012	-1.685
150	1425	-.578	.224	.099	-1.552
150	1426	-.430	.200	.363	-1.233
150	1427	-.361	.172	.133	-1.105
150	1428	-.355	.172	.060	-1.168
150	1429	-.610	.187	-.097	-1.584
150	1430	-.622	.196	-.080	-1.702
150	1431	-.643	.231	.107	-2.023
150	1432	-.530	.220	.089	-1.462
150	1433	-.406	.188	.092	-1.197
150	1434	-.347	.163	.114	-1.077
150	1435	-.349	.169	.040	-1.165
150	1436	-.615	.211	-.060	-2.178
150	1437	-.631	.222	-.052	-2.344
150	1438	-.632	.243	.202	-1.674
150	1439	-.522	.232	.051	-1.721
150	1440	-.389	.185	.151	-1.264
150	1441	-.332	.141	.062	-1.199
150	1442	-.334	.134	-.015	-1.086
150	1443	-.650	.238	-.161	-2.263
150	1444	-.628	.236	-.105	-2.589
150	1445	-.637	.274	.014	-2.654
150	1446	-.458	.200	.043	-1.305
150	1447	-.306	.138	.114	-.996
150	1448	-.277	.097	.051	-.849
150	1449	-.289	.094	.018	-.956
150	1450	-.612	.227	-.059	-2.348
150	1451	-.615	.248	.091	-1.934
150	1452	-.270	.090	.051	-.827
150	1453	-.270	.067	-.014	-.617
150	1454	-.714	.291	-.115	-2.239
150	1455	-.687	.293	.088	-2.270
150	1456	-.397	.147	.073	-1.208
150	1457	-.304	.085	-.041	-1.039
150	1458	-.275	.066	-.007	-.612
150	1459	-.259	.059	.039	-.696
150	1460	-.263	.060	.044	-.768
150	1461	-.254	.064	-.034	-.608
150	1901	-.451	.132	.265	-.984
150	1902	-.598	.111	-.206	-1.005
150	1903	-.598	.111	-.271	-.977
150	1904	-.212	.133	.444	-1.108
150	1905	-.613	.151	-.133	-1.343
150	1906	-.598	.107	-.276	-1.044
150	1907	-.336	.159	.200	-1.085
150	1908	-.458	.157	.011	-1.113
150	1909	-.601	.118	-.263	-1.154
150	1910	-.250	.054	-.015	-.574
150	1911	-.252	.052	-.031	-.450
150	2101	-.349	.070	-.107	-.649

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
150	2102	-.353	.067	-.146	-.643
150	2103	-.315	.065	-.059	-.570
150	2104	-.308	.063	-.088	-.554
150	2105	-.302	.057	-.132	-.525
150	2106	-.302	.057	-.136	-.520
150	2107	-.343	.072	-.152	-.677
150	2108	-.326	.065	-.131	-.702
150	2109	-.322	.055	-.150	-.581
150	2110	-.303	.053	-.134	-.539
150	2111	-.304	.055	-.138	-.540
150	2112	-.307	.054	-.148	-.545
150	2113	-.310	.070	-.128	-.742
150	2114	-.305	.061	-.142	-.676
150	2115	-.308	.054	-.147	-.558
150	2116	-.303	.051	-.146	-.522
150	2117	-.293	.046	-.147	-.453
150	2118	-.294	.046	-.144	-.459
150	2119	-.315	.070	-.123	-.789
150	2120	-.306	.058	-.137	-.599
150	2121	-.309	.058	-.164	-.658
150	2122	-.305	.054	-.144	-.556
150	2123	-.300	.054	-.134	-.556
150	2124	-.302	.054	-.123	-.593
150	2125	-.334	.081	-.084	-.926
150	2126	-.324	.070	-.095	-.707
150	2127	-.318	.062	-.171	-.629
150	2128	-.313	.057	-.152	-.593
150	2129	-.303	.058	-.145	-.580
150	2130	-.303	.057	-.156	-.571
150	2131	-.370	.114	-.111	-1.111
150	2132	-.359	.099	-.128	-.922
150	2133	-.366	.092	-.173	-.895
150	2134	-.353	.082	-.154	-.768
150	2135	-.335	.077	-.143	-.711
150	2136	-.333	.077	-.132	-.720
150	2137	-.308	.170	.119	-1.794
150	2138	-.296	.119	.078	-1.078
150	2139	-.386	.104	.073	-1.002
150	2140	-.396	.107	-.168	-.953
150	2141	-.347	.095	-.176	-.924
150	2142	-.345	.092	-.176	-.903
150	2143	-.255	.144	.090	-1.208
150	2144	-.337	.122	.059	-.851
150	2145	-.420	.124	-.006	-1.091
150	2146	-.387	.101	-.178	-.949
150	2147	-.400	.121	.028	-1.148
150	2148	-.399	.105	-.198	-.922
150	2149	-.395	.110	-.164	-.914
150	2150	-.198	.114	.122	-.917
150	2151	-.191	.100	.124	-.884

APPENDIX A -- PRESSURE DATA / CONFIGURATION A : GATEWAY PROJECT TOWERS

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
150	2152	-.266	.120	.059	-.876
150	2153	-.354	.118	.083	-.862
150	2154	-.374	.099	-.129	-.804
150	2155	-.374	.098	-.159	-.820
150	2201	-.236	.041	-.074	-.392
150	2202	-.210	.039	-.078	-.381
150	2203	-.206	.044	-.054	-.365
150	2204	-.242	.047	-.091	-.425
150	2205	-.225	.049	-.058	-.460
150	2206	-.277	.244	.161	-1.329
150	2207	-.493	.311	.463	-1.566
150	2208	-.287	.047	-.149	-.476
150	2209	-.263	.037	-.131	-.413
150	2210	-.236	.039	-.096	-.393
150	2211	-.207	.047	-.033	-.432
150	2212	-.167	.084	.076	-.668
150	2213	-.295	.347	.393	-1.307
150	2214	-.503	.373	.651	-1.785
150	2215	-.287	.045	-.163	-.451
150	2216	-.280	.046	-.137	-.466
150	2217	-.249	.046	-.072	-.406
150	2218	-.209	.054	-.018	-.583
150	2219	-.164	.117	.106	-1.023
150	2220	-.326	.378	.418	-1.598
150	2221	-.417	.360	.602	-1.485
150	2222	-.288	.046	-.122	-.461
150	2223	-.281	.046	-.095	-.458
150	2224	-.259	.050	-.051	-.494
150	2225	-.214	.056	.002	-.598
150	2226	-.160	.120	.193	-1.152
150	2227	-.317	.377	.478	-2.088
150	2228	-.405	.372	.638	-1.783
150	2229	-.303	.051	-.137	-.564
150	2230	-.293	.050	-.124	-.533
150	2231	-.268	.053	-.069	-.541
150	2232	-.221	.059	-.006	-.556
150	2233	-.170	.131	.157	-1.186
150	2234	-.322	.358	.499	-2.013
150	2235	-.405	.357	.676	-1.842
150	2236	-.297	.053	-.123	-.532
150	2237	-.286	.049	-.117	-.492
150	2238	-.260	.049	-.025	-.473
150	2239	-.220	.058	.041	-.564
150	2240	-.188	.143	.235	-1.150
150	2241	-.346	.335	.473	-1.875
150	2242	-.415	.328	.582	-1.644
150	2243	-.320	.062	-.159	-.591
150	2244	-.311	.056	-.142	-.587
150	2245	-.267	.046	-.072	-.440
150	2246	-.222	.052	.029	-.515

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
150	2247	-.162	.107	.145	-1.017
150	2248	-.238	.300	.397	-1.834
150	2249	-.311	.325	.560	-1.720
150	2250	-.334	.068	-.173	-.684
150	2251	-.259	.046	-.090	-.437
150	2252	-.137	.086	.187	-.928
150	2253	-.240	.309	.577	-1.769
150	2254	-.387	.115	.038	-.965
150	2255	-.320	.062	-.180	-.616
150	2256	-.284	.050	-.127	-.587
150	2257	-.248	.045	-.102	-.495
150	2258	-.225	.054	.020	-.484
150	2259	-.134	.070	.165	-.456
150	2260	-.138	.192	.461	-1.240
150	2261	-.171	.209	.439	-1.154
150	2301	.367	.165	.880	-.389
150	2302	.218	.140	.703	-.207
150	2303	-.001	.094	.364	-.318
150	2304	-.196	.078	.108	-.505
150	2305	-.058	.115	.508	-.432
150	2306	.364	.176	1.018	-.191
150	2307	-.115	.097	.233	-.432
150	2308	-.249	.072	.051	-.527
150	2309	-.398	.085	-.106	-.754
150	2310	.495	.190	1.101	-.656
150	2311	.437	.171	.971	-.084
150	2312	.158	.117	.564	-.150
150	2313	.046	.119	.527	-.396
150	2314	.117	.118	.515	-.281
150	2315	.400	.201	1.069	-.214
150	2316	-.063	.092	.273	-.385
150	2317	-.318	.077	-.048	-.601
150	2318	-.539	.099	-.230	-.884
150	2319	.490	.181	1.064	-.515
150	2320	.425	.176	.974	-.065
150	2321	.190	.122	.594	-.144
150	2322	.171	.116	.571	-.146
150	2323	.138	.109	.492	-.175
150	2324	.334	.186	.909	-.235
150	2325	-.048	.086	.282	-.329
150	2326	-.233	.070	.028	-.507
150	2327	-.360	.072	-.123	-.684
150	2328	.437	.179	1.071	-.521
150	2329	.380	.164	1.087	-.319
150	2330	.176	.116	.796	-.142
150	2331	.137	.108	.738	-.182
150	2332	.113	.102	.700	-.174
150	2333	.251	.165	.838	-.141
150	2334	-.061	.082	.292	-.320
150	2335	-.216	.067	.042	-.469

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
150	2336	-.307	.064	-.100	-.568
150	2337	.358	.180	.936	-.582
150	2338	.323	.163	.907	-.214
150	2339	.130	.117	.614	-.162
150	2340	.107	.109	.550	-.172
150	2341	.088	.097	.401	-.197
150	2342	.230	.152	.773	-.157
150	2343	-.074	.078	.253	-.364
150	2344	-.232	.066	.046	-.511
150	2345	-.332	.070	-.132	-.642
150	2346	.283	.141	.817	-.339
150	2347	.259	.131	.744	-.438
150	2348	.081	.091	.459	-.139
150	2349	.069	.094	.550	-.192
150	2350	.050	.090	.503	-.207
150	2351	.176	.137	.812	-.174
150	2352	-.116	.080	.318	-.399
150	2353	-.288	.064	-.083	-.547
150	2354	-.419	.079	-.157	-.800
150	2355	.210	.139	.694	-.689
150	2356	.173	.116	.640	-.404
150	2357	.048	.089	.391	-.165
150	2358	.048	.083	.366	-.155
150	2359	.031	.083	.367	-.180
150	2360	.139	.119	.703	-.163
150	2361	-.113	.072	.235	-.351
150	2362	-.286	.066	-.022	-.556
150	2363	-.415	.081	-.160	-.780
150	2364	.122	.146	.731	-.587
150	2365	.039	.086	.506	-.207
150	2366	.019	.074	.399	-.177
150	2367	-.130	.067	.172	-.348
150	2368	-.424	.081	-.121	-.745
150	2369	.037	.088	.384	-.623
150	2370	.077	.093	.516	-.543
150	2371	.064	.090	.485	-.160
150	2372	.050	.084	.462	-.176
150	2373	.055	.095	.471	-.213
150	2374	.069	.101	.556	-.192
150	2375	-.103	.070	.290	-.319
150	2376	-.253	.065	-.049	-.571
150	2377	-.395	.086	-.141	-.888
150	2401	-.798	.203	-.378	-1.695
150	2402	-.719	.160	-.239	-1.415
150	2403	-.547	.129	-.160	-1.163
150	2404	-.464	.152	-.105	-1.435
150	2405	-.474	.162	-.094	-1.189
150	2406	-.412	.104	-.088	-1.012
150	2407	-.404	.098	-.144	-.820
150	2408	-.810	.175	-.389	-1.519

APPENDIX A -- PRESSURE DATA ;   CONFIGURATION A : GATEWAY PROJECT TOWERS

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
150	2409	-.686	.140	-.359	-1.341
150	2410	-.658	.114	-.344	-1.166
150	2411	-.495	.100	-.107	-.912
150	2412	-.367	.089	-.083	-.780
150	2413	-.321	.074	-.042	-.678
150	2414	-.339	.073	-.090	-.781
150	2415	-.534	.101	-.258	-1.037
150	2416	-.527	.087	-.301	-.862
150	2417	-.576	.108	-.119	-1.187
150	2418	-.557	.118	-.115	-1.039
150	2419	-.463	.125	-.056	-1.059
150	2420	-.388	.125	.025	-1.148
150	2421	-.388	.130	.002	-1.145
150	2422	-.518	.100	-.246	-1.050
150	2423	-.517	.100	-.246	-1.057
150	2424	-.545	.105	-.231	-1.081
150	2425	-.545	.124	-.003	-1.152
150	2426	-.479	.138	.102	-1.026
150	2427	-.414	.146	.071	-1.288
150	2428	-.426	.171	.087	-1.361
150	2429	-.577	.109	-.321	-1.198
150	2430	-.579	.108	-.336	-1.211
150	2431	-.592	.114	-.277	-1.171
150	2432	-.552	.132	.000	-1.236
150	2433	-.473	.154	.033	-1.144
150	2434	-.398	.143	-.015	-1.025
150	2435	-.395	.158	.005	-1.275
150	2436	-.633	.134	-.338	-1.683
150	2437	-.642	.123	-.333	-1.291
150	2438	-.636	.131	-.219	-1.374
150	2439	-.546	.152	-.048	-1.293
150	2440	-.405	.143	.039	-.975
150	2441	-.352	.123	-.037	-.905
150	2442	-.340	.104	-.050	-1.000
150	2443	-.697	.141	-.385	-1.240
150	2444	-.706	.146	-.383	-1.372
150	2445	-.621	.176	-.160	-1.586
150	2446	-.363	.153	.079	-1.037
150	2447	-.249	.088	-.003	-.848
150	2448	-.242	.065	-.007	-.598
150	2449	-.278	.076	-.040	-.646
150	2450	-.702	.153	-.261	-1.788
150	2451	-.530	.173	-.083	-1.296
150	2452	-.189	.050	.023	-.605
150	2453	-.187	.056	.019	-.479
150	2454	-.225	.079	.030	-.573
150	2455	-.728	.186	-.324	-1.671
150	2456	-.731	.186	-.238	-1.677
150	2457	-.341	.125	-.070	-.977
150	2458	-.222	.060	-.035	-.558

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
150	2459	-.188	.043	-.000	-.424
150	2460	-.186	.055	.015	-.460
150	2461	-.200	.069	.049	-.512
150	2901	.151	.111	.528	-.216
150	2902	.077	.102	.419	-.325
150	2903	-.372	.092	-.063	-.733
150	2904	.109	.116	.440	-.319
150	2905	-.217	.100	.088	-.620
150	2906	-.630	.107	-.295	-1.059
150	2907	-.106	.090	.188	-.504
150	2908	-.324	.096	-.030	-.767
150	2909	-.570	.167	.010	-1.214
150	2910	-.352	.073	-.204	-.726
150	2911	-.389	.099	-.198	-.895
160	1101	-.423	.130	-.002	-1.335
160	1102	-.402	.113	-.064	-1.144
160	1103	-.368	.107	-.024	-1.044
160	1104	-.370	.107	.003	-.816
160	1105	-.361	.102	-.021	-.735
160	1106	-.343	.094	.027	-.728
160	1107	-.430	.130	-.044	-1.128
160	1108	-.406	.116	.008	-1.129
160	1109	-.379	.099	-.070	-1.190
160	1110	-.369	.090	-.090	-.843
160	1111	-.349	.087	-.120	-.706
160	1112	-.339	.079	-.058	-.679
160	1113	-.445	.140	-.042	-1.031
160	1114	-.421	.123	-.038	-.939
160	1115	-.376	.096	-.100	-.841
160	1116	-.346	.078	-.098	-.637
160	1117	-.314	.067	-.071	-.589
160	1118	-.312	.069	-.077	-.667
160	1119	-.450	.160	.075	-1.020
160	1120	-.398	.127	.012	-.922
160	1121	-.339	.083	-.053	-.671
160	1122	-.303	.064	-.072	-.535
160	1123	-.272	.057	-.083	-.548
160	1124	-.268	.056	-.053	-.576
160	1125	-.430	.160	-.006	-1.004
160	1126	-.396	.135	.003	-.872
160	1127	-.346	.098	-.074	-.792
160	1128	-.306	.075	-.080	-.708
160	1129	-.273	.064	-.075	-.614
160	1130	-.269	.064	-.040	-.618
160	1131	-.419	.137	-.021	-1.120
160	1132	-.395	.125	-.051	-1.072
160	1133	-.351	.094	-.064	-.846
160	1134	-.318	.077	-.090	-.724
160	1135	-.267	.060	-.060	-.626
160	1136	-.275	.066	-.091	-.681

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
160	1137	-.374	.103	-.034	-.892
160	1138	-.359	.094	-.059	-.770
160	1139	-.338	.083	-.093	-.753
160	1140	-.313	.070	-.070	-.677
160	1141	-.267	.061	-.024	-.587
160	1142	-.254	.060	-.054	-.589
160	1143	-.332	.082	-.090	-.692
160	1144	-.320	.079	-.076	-.732
160	1145	-.280	.064	-.002	-.603
160	1146	-.244	.071	.109	-.615
160	1147	-.323	.081	-.071	-1.092
160	1148	-.332	.083	-.105	-.762
160	1149	-.313	.081	-.108	-.904
160	1150	-.311	.073	-.082	-.677
160	1151	-.294	.069	-.122	-.624
160	1152	-.287	.065	-.093	-.645
160	1153	-.259	.060	-.053	-.587
160	1154	-.249	.062	.015	-.554
160	1155	-.238	.064	.103	-.546
160	1201	-.333	.078	-.050	-.611
160	1202	-.267	.061	-.065	-.486
160	1203	-.234	.059	.036	-.463
160	1204	-.229	.057	.051	-.481
160	1205	-.268	.073	-.045	-.682
160	1206	-.570	.169	-.068	-1.099
160	1207	-.659	.175	-.174	-1.440
160	1208	-.342	.079	-.066	-.670
160	1209	-.277	.056	-.026	-.485
160	1210	-.157	.043	.082	-.324
160	1211	-.122	.049	.089	-.347
160	1212	-.143	.104	.115	-.801
160	1213	-.584	.201	.024	-1.240
160	1214	-.599	.163	-.089	-1.186
160	1215	-.293	.059	-.061	-.543
160	1216	-.246	.051	-.087	-.436
160	1217	-.147	.046	.042	-.412
160	1218	-.115	.079	.104	-.621
160	1219	-.240	.204	.161	-.983
160	1220	-.575	.184	.098	-1.373
160	1221	-.566	.168	-.021	-1.311
160	1222	-.264	.054	-.033	-.486
160	1223	-.208	.045	-.024	-.408
160	1224	-.139	.041	.063	-.347
160	1225	-.107	.078	.121	-.568
160	1226	-.247	.206	.159	-1.077
160	1227	-.523	.174	.134	-1.207
160	1228	-.497	.165	-.019	-1.494
160	1229	-.244	.046	-.056	-.424
160	1230	-.198	.039	-.034	-.387
160	1231	-.128	.038	.053	-.340

APPENDIX A -- PRESSURE DATA ;   CONFIGURATION A : GATEWAY PROJECT TOWERS

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
160	1232	-.091	.058	.085	-.668	160	1322	.465	.154	.977	.092	160	1372	.285	.111	.849	.049
160	1233	-.171	.162	.136	-1.150	160	1323	.444	.146	.985	.014	160	1373	.280	.109	.756	.049
160	1234	-.473	.179	.132	-1.221	160	1324	.440	.140	.903	.048	160	1374	.258	.101	.787	.043
160	1235	-.472	.165	.035	-1.216	160	1325	.459	.148	.955	.053	160	1375	.270	.105	.941	.029
160	1236	-.285	.061	-.099	-.568	160	1326	.454	.163	1.016	.012	160	1376	.145	.089	.559	-.105
160	1237	-.207	.044	-.029	-.400	160	1327	.399	.171	.968	-.076	160	1377	.015	.090	.366	-.309
160	1238	-.126	.038	.098	-.349	160	1328	-.090	.099	.434	-.402	160	1401	-.476	.099	-.187	-.972
160	1239	-.087	.054	.110	-.455	160	1329	.077	.094	.655	-.235	160	1402	-.487	.102	-.200	-1.000
160	1240	-.135	.138	.166	-.992	160	1330	.294	.124	.817	-.084	160	1403	-.524	.121	-.097	-1.230
160	1241	-.403	.178	.202	-1.162	160	1331	.395	.156	1.049	.043	160	1404	-.541	.136	-.081	-1.208
160	1242	-.415	.160	.103	-1.121	160	1332	.384	.147	1.075	.070	160	1405	-.505	.142	.063	-1.058
160	1243	-.236	.053	-.025	-.617	160	1333	.394	.140	.845	.015	160	1406	-.434	.134	.036	-1.027
160	1244	-.159	.041	-.002	-.405	160	1334	.392	.152	1.032	.080	160	1407	-.435	.135	.008	-1.039
160	1245	-.107	.034	.021	-.282	160	1335	.422	.153	.933	-.014	160	1408	-.484	.103	-.110	-.889
160	1246	-.069	.044	.071	-.504	160	1336	.327	.152	.852	-.179	160	1409	-.493	.111	-.165	-1.035
160	1247	-.098	.103	.103	-.766	160	1337	-.008	.087	.402	-.296	160	1410	-.512	.116	-.129	-1.076
160	1248	-.315	.163	.208	-1.020	160	1338	.103	.091	.549	-.155	160	1411	-.543	.146	-.054	-1.151
160	1249	-.309	.134	.116	-.911	160	1339	.250	.111	.698	-.045	160	1412	-.501	.146	.112	-1.414
160	1250	-.236	.052	-.016	-.459	160	1340	.361	.126	.908	.043	160	1413	-.449	.143	.168	-1.164
160	1251	-.090	.032	.023	-.228	160	1341	.347	.122	.870	.053	160	1414	-.457	.151	.024	-1.115
160	1252	-.061	.092	.147	-.687	160	1342	.340	.118	.833	.044	160	1415	-.484	.115	-.117	-1.039
160	1253	-.265	.144	.129	-1.044	160	1343	.384	.134	.893	-.020	160	1416	-.481	.110	-.129	-1.027
160	1254	-.200	.050	-.025	-.421	160	1344	.376	.151	.934	-.090	160	1417	-.509	.132	-.125	-1.391
160	1255	-.135	.036	-.002	-.258	160	1345	.282	.155	.850	-.217	160	1418	-.535	.153	.042	-1.390
160	1256	-.071	.033	.071	-.175	160	1346	-.023	.089	.453	-.300	160	1419	-.490	.147	.111	-1.370
160	1257	-.026	.039	.126	-.147	160	1347	.085	.085	.479	-.192	160	1420	-.472	.164	.068	-1.126
160	1258	-.006	.068	.205	-.448	160	1348	.234	.107	.654	-.052	160	1421	-.484	.177	.009	-1.328
160	1259	-.194	.164	.199	-1.145	160	1349	.328	.126	.871	.040	160	1422	-.465	.125	-.104	-1.194
160	1260	-.193	.154	.128	-1.241	160	1350	.319	.121	.815	.031	160	1423	-.484	.138	-.091	-2.043
160	1301	-.163	.092	.286	-.474	160	1351	.314	.118	.798	.022	160	1424	-.524	.158	-.097	-1.350
160	1302	-.002	.098	.476	-.334	160	1352	.329	.122	.811	.014	160	1425	-.539	.173	-.016	-1.393
160	1303	.181	.124	.746	-.196	160	1353	.301	.145	.804	-.059	160	1426	-.495	.172	.180	-1.195
160	1304	.287	.150	.732	-.182	160	1354	.202	.147	.836	-.225	160	1427	-.488	.188	.151	-1.356
160	1305	.159	.125	.554	-.235	160	1355	-.013	.078	.318	-.290	160	1428	-.502	.212	.073	-1.433
160	1306	.011	.095	.317	-.385	160	1356	.071	.072	.387	-.145	160	1429	-.484	.131	-.074	-1.318
160	1307	.238	.127	.689	-.164	160	1357	.173	.093	.635	-.095	160	1430	-.495	.135	-.089	-1.500
160	1308	.371	.160	.838	-.218	160	1358	.241	.100	.716	.015	160	1431	-.524	.160	-.124	-1.459
160	1309	.402	.174	1.046	-.155	160	1359	.239	.103	.652	.010	160	1432	-.563	.180	.044	-1.555
160	1310	-.166	.109	.239	-.619	160	1360	.237	.101	.641	-.033	160	1433	-.504	.177	.296	-1.186
160	1311	.078	.100	.431	-.298	160	1361	.235	.104	.646	-.025	160	1434	-.502	.199	.122	-1.225
160	1312	.325	.130	.741	-.036	160	1362	.192	.116	.639	-.105	160	1435	-.516	.224	.055	-1.499
160	1313	.496	.170	1.057	.004	160	1363	.110	.131	.715	-.302	160	1436	-.504	.140	-.136	-1.153
160	1314	.433	.153	.989	.045	160	1364	-.006	.072	.306	-.311	160	1437	-.509	.138	-.150	-1.249
160	1315	.404	.145	.928	.031	160	1365	.161	.081	.582	-.092	160	1438	-.539	.157	-.158	-1.356
160	1316	.449	.155	1.018	.062	160	1366	.206	.096	.594	.019	160	1439	-.563	.187	-.026	-1.714
160	1317	.500	.185	1.068	-.063	160	1367	.218	.098	.700	-.042	160	1440	-.490	.177	.126	-1.207
160	1318	.446	.176	1.049	-.035	160	1368	.064	.114	.526	-.309	160	1441	-.454	.176	.057	-1.118
160	1319	-.160	.114	.232	-.514	160	1369	.045	.079	.377	-.190	160	1442	-.463	.191	.033	-1.282
160	1320	.044	.099	.443	-.245	160	1370	.108	.077	.446	-.086	160	1443	-.556	.178	-.157	-1.456
160	1321	.315	.1[illegible]	.769	-.048	160	1371	.235	.105	.768	.024	160	1444	-.550	.162	-.201	-1.217

APPENDIX A -- PRESSURE DATA ; CONFIGURATION A : GATEWAY PROJECT TOWERS

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
160	1445	-.583	.202	-.153	-1.699
160	1446	-.557	.182	.024	-1.545
160	1447	-.448	.140	.031	-1.166
160	1448	-.392	.125	-.068	-.976
160	1449	-.392	.128	-.025	-1.058
160	1450	-.554	.175	-.174	-1.652
160	1451	-.623	.224	-.021	-2.084
160	1452	-.401	.122	.053	-.991
160	1453	-.359	.107	.024	-.995
160	1454	-.615	.230	-.040	-2.377
160	1455	-.592	.230	-.080	-1.978
160	1456	-.512	.145	-.109	-1.143
160	1457	-.413	.106	-.118	-.911
160	1458	-.368	.095	-.083	-.901
160	1459	-.340	.094	-.006	-1.065
160	1460	-.342	.098	-.041	-1.064
160	1461	-.316	.084	-.053	-.725
160	1901	-.499	.127	.027	-.968
160	1902	-.562	.110	-.233	-1.023
160	1903	-.547	.097	-.255	-.944
160	1904	-.376	.165	.500	-1.293
160	1905	-.573	.138	-.090	-1.162
160	1906	-.553	.100	-.169	-.970
160	1907	-.445	.155	.024	-1.207
160	1908	-.508	.144	.033	-1.131
160	1909	-.558	.116	-.232	-1.067
160	1910	-.309	.077	-.087	-.737
160	1911	-.309	.071	-.120	-.638
160	2101	-.400	.089	-.174	-.974
160	2102	-.419	.081	-.185	-.846
160	2103	-.377	.079	-.164	-.726
160	2104	-.372	.078	-.144	-.817
160	2105	-.364	.074	-.151	-.776
160	2106	-.361	.074	-.143	-.779
160	2107	-.420	.097	-.085	-1.077
160	2108	-.412	.090	-.205	-.934
160	2109	-.398	.076	-.185	-.759
160	2110	-.380	.072	-.202	-.720
160	2111	-.376	.074	-.174	-.726
160	2112	-.377	.073	-.187	-.699
160	2113	-.392	.110	-.141	-1.664
160	2114	-.391	.095	-.129	-1.355
160	2115	-.387	.085	-.200	-1.107
160	2116	-.369	.073	-.187	-.722
160	2117	-.355	.069	-.132	-.704
160	2118	-.358	.069	-.141	-.698
160	2119	-.390	.123	-.059	-1.344
160	2120	-.391	.105	-.101	-1.093
160	2121	-.383	.091	-.137	-1.293
160	2122	-.373	.076	-.134	-.895

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
160	2123	-.360	.073	-.145	-.876
160	2124	-.361	.074	-.135	-.867
160	2125	-.416	.117	-.139	-1.124
160	2126	-.412	.102	-.107	-1.124
160	2127	-.402	.094	-.183	-1.060
160	2128	-.388	.083	-.151	-.876
160	2129	-.383	.078	-.172	-.777
160	2130	-.385	.077	-.177	-.779
160	2131	-.474	.149	-.039	-1.771
160	2132	-.461	.137	-.004	-1.315
160	2133	-.428	.106	-.207	-1.023
160	2134	-.409	.086	-.216	-1.046
160	2135	-.390	.081	-.165	-.792
160	2136	-.386	.082	-.187	-.806
160	2137	-.462	.211	.009	-1.877
160	2138	-.448	.177	.000	-1.484
160	2139	-.447	.118	.190	-1.209
160	2140	-.438	.112	-.207	-1.193
160	2141	-.396	.101	-.167	-1.051
160	2142	-.398	.099	-.155	-1.051
160	2143	-.479	.202	.101	-1.466
160	2144	-.442	.142	.212	-1.188
160	2145	-.469	.142	-.120	-1.368
160	2146	-.430	.120	-.180	-1.102
160	2147	-.461	.130	-.103	-1.357
160	2148	-.441	.125	-.194	-1.141
160	2149	-.442	.117	-.191	-1.164
160	2150	-.368	.238	.151	-1.798
160	2151	-.340	.217	.234	-1.705
160	2152	-.406	.161	.121	-1.186
160	2153	-.431	.124	.121	-1.023
160	2154	-.426	.107	-.187	-.923
160	2155	-.420	.106	-.189	-.901
160	2201	-.265	.049	-.113	-.502
160	2202	-.232	.047	-.085	-.452
160	2203	-.216	.054	-.041	-.402
160	2204	-.228	.062	-.022	-.454
160	2205	-.180	.068	.037	-.392
160	2206	-.016	.095	.297	-.538
160	2207	.124	.221	.714	-1.331
160	2208	-.327	.057	-.169	-.550
160	2209	-.302	.052	-.110	-.475
160	2210	-.218	.047	-.060	-.407
160	2211	-.130	.061	.126	-.332
160	2212	.000	.087	.317	-.274
160	2213	.201	.154	.725	-1.017
160	2214	.233	.252	.877	-1.392
160	2215	-.333	.062	-.123	-.691
160	2216	-.311	.059	-.127	-.587
160	2217	-.234	.058	.029	-.445

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
160	2218	-.128	.072	.262	-.338
160	2219	.022	.108	.477	-.348
160	2220	.209	.196	.824	-1.015
160	2221	.259	.282	.898	-1.033
160	2222	-.339	.069	-.100	-.643
160	2223	-.320	.067	-.059	-.579
160	2224	-.252	.066	.150	-.521
160	2225	-.147	.070	.266	-.367
160	2226	-.001	.096	.418	-.305
160	2227	.169	.176	.728	-.918
160	2228	.225	.273	.887	-1.060
160	2229	-.351	.068	-.142	-.640
160	2230	-.333	.068	-.127	-.594
160	2231	-.269	.070	-.016	-.529
160	2232	-.163	.073	.099	-.391
160	2233	-.006	.093	.356	-.315
160	2234	.150	.168	.732	-.968
160	2235	.185	.255	.937	-.943
160	2236	-.351	.063	-.160	-.589
160	2237	-.329	.058	-.127	-.545
160	2238	-.273	.059	-.058	-.474
160	2239	-.183	.067	.071	-.382
160	2240	-.048	.090	.322	-.594
160	2241	.071	.181	.556	-1.241
160	2242	.070	.277	.690	-1.124
160	2243	-.368	.066	-.173	-.641
160	2244	-.337	.062	-.137	-.636
160	2245	-.274	.055	-.010	-.537
160	2246	-.195	.064	.133	-.432
160	2247	-.067	.089	.409	-.420
160	2248	.077	.157	.579	-.855
160	2249	.100	.223	.693	-.992
160	2250	-.361	.073	-.174	-.817
160	2251	-.271	.056	-.070	-.468
160	2252	-.072	.081	.280	-.332
160	2253	.050	.202	.717	-1.031
160	2254	-.414	.104	-.187	-1.188
160	2255	-.350	.066	-.179	-.648
160	2256	-.315	.057	-.106	-.565
160	2257	-.255	.053	-.032	-.415
160	2258	-.204	.066	.033	-.405
160	2259	-.066	.084	.289	-.298
160	2260	.053	.125	.581	-.622
160	2261	.052	.139	.627	-.723
160	2301	.104	.231	.651	-1.256
160	2302	.031	.133	.472	-1.067
160	2303	-.097	.080	.183	-.391
160	2304	-.202	.080	.063	-.530
160	2305	-.188	.080	.167	-.474
160	2306	.364	.185	.980	-.311

APPENDIX A -- PRESSURE DATA ;   CONFIGURATION A : GATEWAY PROJECT TOWERS

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
160	2307	-.207	.081	.089	-.481	160	2357	-.064	.084	.281	-.666	160	2430	-.473	.078	-.250	-.819
160	2308	-.254	.060	-.066	-.489	160	2358	-.056	.077	.261	-.527	160	2431	-.483	.082	-.248	-.976
160	2309	-.339	.068	-.145	-.663	160	2359	-.075	.074	.209	-.458	160	2432	-.499	.094	-.169	-1.168
160	2310	.204	.279	.825	-1.291	160	2360	.072	.126	.698	-.486	160	2433	-.502	.115	-.038	-1.108
160	2311	.176	.184	.647	-.817	160	2361	-.196	.065	.036	-.530	160	2434	-.494	.130	-.040	-1.276
160	2312	-.011	.099	.384	-.421	160	2362	-.339	.062	-.107	-.582	160	2435	-.503	.156	-.070	-1.462
160	2313	-.098	.077	.283	-.391	160	2363	-.450	.078	-.220	-.756	160	2436	-.535	.097	-.247	-1.055
160	2314	-.046	.097	.294	-.347	160	2364	-.119	.269	.558	-1.462	160	2437	-.546	.091	-.253	-1.010
160	2315	.256	.218	1.053	-.307	160	2365	-.094	.106	.213	-.859	160	2438	-.551	.091	-.218	-1.025
160	2316	-.150	.074	.106	-.438	160	2366	-.087	.090	.194	-.564	160	2439	-.552	.104	-.171	-1.245
160	2317	-.309	.065	-.115	-.562	160	2367	-.206	.060	.063	-.479	160	2440	-.510	.107	-.149	-1.013
160	2318	-.441	.080	-.216	-.772	160	2368	-.459	.087	-.201	-.971	160	2441	-.483	.119	-.094	-.994
160	2319	.122	.346	.909	-1.080	160	2369	-.123	.188	.390	-1.239	160	2442	-.462	.123	-.109	-1.218
160	2320	.141	.248	.739	-1.095	160	2370	-.095	.168	.397	-1.307	160	2443	-.601	.110	-.331	-1.218
160	2321	.016	.102	.363	-.555	160	2371	-.071	.086	.264	-.568	160	2444	-.600	.112	-.326	-1.224
160	2322	.013	.097	.354	-.512	160	2372	-.075	.077	.215	-.481	160	2445	-.604	.122	-.228	-1.392
160	2323	-.018	.091	.318	-.395	160	2373	-.060	.090	.514	-.387	160	2446	-.507	.119	-.087	-1.093
160	2324	.201	.184	.898	-.460	160	2374	-.021	.110	.517	-.459	160	2447	-.376	.114	-.045	-.944
160	2325	-.143	.074	.112	-.421	160	2375	-.183	.057	.163	-.389	160	2448	-.333	.092	-.060	-.766
160	2326	-.270	.063	-.062	-.600	160	2376	-.313	.055	-.084	-.542	160	2449	-.361	.094	-.073	-.836
160	2327	-.348	.066	-.168	-.712	160	2377	-.435	.079	-.197	-.894	160	2450	-.620	.128	-.303	-1.256
160	2328	.065	.348	.870	-1.139	160	2401	-.468	.104	-.185	-1.152	160	2451	-.602	.128	-.011	-1.159
160	2329	.086	.268	.754	-1.205	160	2402	-.464	.106	-.201	-1.144	160	2452	-.279	.099	.014	-.771
160	2330	.002	.104	.399	-.722	160	2403	-.475	.116	-.141	-1.195	160	2453	-.271	.087	.014	-.617
160	2331	-.026	.095	.334	-.561	160	2404	-.499	.133	-.177	-1.234	160	2454	-.318	.100	.111	-.711
160	2332	-.050	.089	.324	-.547	160	2405	-.479	.117	-.160	-1.150	160	2455	-.701	.174	-.311	-1.868
160	2333	.125	.154	.723	-.698	160	2406	-.442	.097	-.166	-.897	160	2456	-.694	.173	-.285	-1.724
160	2334	-.160	.073	.100	-.469	160	2407	-.463	.099	-.140	-1.053	160	2457	-.461	.133	-.080	-1.045
160	2335	-.239	.054	-.039	-.457	160	2408	-.525	.115	-.241	-1.093	160	2458	-.313	.103	.026	-.780
160	2336	-.293	.051	-.129	-.507	160	2409	-.485	.096	-.240	-.922	160	2459	-.241	.076	.043	-.707
160	2337	.009	.356	.859	-1.103	160	2410	-.491	.099	-.206	-.935	160	2460	-.238	.071	.052	-.536
160	2338	.042	.281	.706	-1.093	160	2411	-.484	.088	-.192	-.810	160	2461	-.253	.078	.066	-.662
160	2339	-.027	.100	.330	-.907	160	2412	-.443	.083	-.144	-.792	160	2901	.082	.111	.429	-.329
160	2340	-.035	.090	.299	-.691	160	2413	-.431	.090	-.097	-.935	160	2902	.029	.097	.346	-.384
160	2341	-.045	.086	.305	-.608	160	2414	-.430	.099	-.125	-1.539	160	2903	-.298	.079	.249	-.655
160	2342	.108	.153	.730	-.453	160	2415	-.413	.071	-.204	-.685	160	2904	.083	.120	.443	-.346
160	2343	-.157	.070	.092	-.513	160	2416	-.446	.079	-.255	-.815	160	2905	-.149	.083	.128	-.620
160	2344	-.262	.057	-.054	-.483	160	2417	-.454	.085	-.231	-.826	160	2906	-.587	.094	-.255	-.968
160	2345	-.330	.064	-.137	-.656	160	2418	-.483	.096	-.205	-1.101	160	2907	-.129	.082	.139	-.451
160	2346	.040	.331	.709	-1.204	160	2419	-.490	.107	-.137	-1.210	160	2908	-.382	.086	-.110	-.738
160	2347	.013	.219	.587	-1.009	160	2420	-.471	.114	-.098	-1.144	160	2909	-.494	.167	.127	-1.262
160	2348	-.032	.097	.411	-.619	160	2421	-.408	.132	-.043	-1.240	160	2910	-.407	.094	-.185	-1.149
160	2349	-.053	.084	.240	-.578	160	2422	-.427	.071	-.193	-.732	160	2911	-.427	.114	-.211	-1.173
160	2350	-.071	.078	.236	-.454	160	2423	-.427	.072	-.198	-.741	170	1101	-.453	.104	-.152	-.933
160	2351	.067	.126	.578	-.529	160	2424	-.445	.074	-.240	-.782	170	1102	-.424	.094	-.105	-1.063
160	2352	-.195	.066	.093	-.511	160	2425	-.469	.093	-.201	-.973	170	1103	-.389	.089	-.063	-.747
160	2353	-.326	.060	-.117	-.597	160	2426	-.480	.107	-.082	-1.123	170	1104	-.395	.094	-.098	-.771
160	2354	-.426	.067	-.235	-.655	160	2427	-.477	.132	.054	-1.147	170	1105	-.383	.088	-.089	-.765
160	2355	-.041	.284	.690	-1.033	160	2428	-.499	.169	-.019	-1.462	170	1106	-.364	.082	-.099	-.679
160	2356	-.023	.215	.530	-1.193	160	2429	-.474	.080	-.246	-.819	170	1107	-.436	.093	-.172	-.917

APPENDIX A -- PRESSURE DATA ; CONFIGURATION A : GATEWAY PROJECT TOWERS

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
170	1108	-.413	.080	-.183	-.843	170	1203	-.206	.059	.029	-.467	170	1253	-.129	.123	.299	-.743
170	1109	-.388	.072	-.157	-.717	170	1204	-.179	.061	.104	-.443	170	1254	-.198	.053	.033	-.393
170	1110	-.377	.070	-.147	-.668	170	1205	-.183	.062	.081	-.413	170	1255	-.116	.041	.038	-.250
170	1111	-.368	.066	-.188	-.631	170	1206	-.358	.153	.037	-1.016	170	1256	-.025	.041	.188	-.149
170	1112	-.357	.069	-.156	-.625	170	1207	-.458	.133	.043	-1.262	170	1257	.035	.049	.287	-.092
170	1113	-.458	.093	-.144	-.853	170	1208	-.339	.067	-.154	-.579	170	1258	.081	.063	.369	-.200
170	1114	-.434	.081	-.143	-.783	170	1209	-.247	.048	-.085	-.433	170	1259	-.023	.131	.435	-.672
170	1115	-.395	.067	-.178	-.661	170	1210	-.093	.052	.117	-.256	170	1260	-.049	.118	.288	-.623
170	1116	-.364	.063	-.140	-.584	170	1211	-.032	.062	.201	-.212	170	1301	-.007	.102	.339	-.353
170	1117	-.332	.057	-.120	-.575	170	1212	.005	.075	.257	-.311	170	1302	.114	.109	.539	-.268
170	1118	-.329	.059	-.136	-.577	170	1213	-.304	.221	.368	-.971	170	1303	.255	.130	.721	-.271
170	1119	-.481	.115	-.120	-1.023	170	1214	-.337	.178	.265	-.911	170	1304	.275	.157	.820	-.179
170	1120	-.429	.096	-.097	-.779	170	1215	-.312	.051	-.149	-.540	170	1305	.186	.139	.730	-.233
170	1121	-.363	.070	-.128	-.596	170	1216	-.221	.042	-.052	-.396	170	1306	.082	.111	.425	-.310
170	1122	-.321	.060	-.117	-.565	170	1217	-.084	.049	.137	-.235	170	1307	.285	.149	.806	-.175
170	1123	-.292	.057	-.069	-.559	170	1218	-.008	.061	.260	-.186	170	1308	.355	.162	.919	-.234
170	1124	-.292	.057	-.002	-.520	170	1219	.017	.101	.331	-.581	170	1309	.312	.160	.782	-.184
170	1125	-.479	.118	-.102	-.917	170	1220	-.341	.219	.412	-1.133	170	1310	.050	.131	.489	-.514
170	1126	-.436	.096	-.131	-.778	170	1221	-.358	.186	.382	-1.111	170	1311	.247	.133	.710	-.297
170	1127	-.370	.069	-.150	-.631	170	1222	-.271	.051	-.065	-.499	170	1312	.433	.161	1.028	-.133
170	1128	-.322	.058	-.079	-.557	170	1223	-.192	.043	-.038	-.353	170	1313	.486	.167	1.241	.034
170	1129	-.297	.058	-.047	-.574	170	1224	-.076	.045	.101	-.218	170	1314	.455	.162	1.024	.033
170	1130	-.293	.058	-.047	-.567	170	1225	-.006	.057	.184	-.258	170	1315	.427	.156	.999	.015
170	1131	-.489	.119	-.160	-1.141	170	1226	.014	.110	.272	-.560	170	1316	.459	.162	1.037	.022
170	1132	-.457	.101	-.147	-.938	170	1227	-.267	.190	.353	-.860	170	1317	.437	.178	.989	-.070
170	1133	-.386	.082	-.125	-.769	170	1228	-.289	.191	.466	-.877	170	1318	.338	.159	.907	-.077
170	1134	-.334	.069	-.016	-.682	170	1229	-.250	.048	-.097	-.494	170	1319	.055	.130	.544	-.469
170	1135	-.276	.061	-.055	-.596	170	1230	-.184	.041	-.001	-.384	170	1320	.200	.117	.706	-.151
170	1136	-.286	.063	-.034	-.544	170	1231	-.082	.044	.190	-.230	170	1321	.406	.150	1.088	.035
170	1137	-.441	.109	-.094	-1.035	170	1232	-.024	.051	.207	-.374	170	1322	.451	.155	1.147	.071
170	1138	-.423	.091	-.115	-.932	170	1233	-.008	.101	.287	-.706	170	1323	.473	.168	.972	.053
170	1139	-.396	.084	-.079	-.775	170	1234	-.288	.192	.282	-.963	170	1324	.465	.162	.940	.055
170	1140	-.341	.075	.042	-.724	170	1235	-.304	.169	.238	-1.018	170	1325	.469	.170	.970	.017
170	1141	-.281	.065	-.035	-.545	170	1236	-.286	.059	-.025	-.528	170	1326	.380	.171	.932	-.072
170	1142	-.267	.065	.043	-.662	170	1237	-.188	.042	-.011	-.356	170	1327	.300	.151	.851	-.175
170	1143	-.403	.089	-.157	-.835	170	1238	-.081	.042	.116	-.234	170	1328	.094	.118	.479	-.280
170	1144	-.380	.086	-.118	-.858	170	1239	-.016	.050	.201	-.186	170	1329	.222	.120	.609	-.120
170	1145	-.313	.075	-.037	-.659	170	1240	.000	.081	.260	-.543	170	1330	.383	.148	.845	-.092
170	1146	-.257	.075	.051	-.622	170	1241	-.206	.190	.334	1.063	170	1331	.453	.153	.984	.077
170	1147	-.398	.090	-.140	-.831	170	1242	-.247	.167	.221	-1.052	170	1332	.462	.151	1.019	.083
170	1148	-.389	.082	-.132	-.779	170	1243	-.237	.054	-.007	-.518	170	1333	.421	.149	1.003	.070
170	1149	-.364	.086	-.063	-.796	170	1244	-.143	.043	.022	-.281	170	1334	.455	.157	1.001	.036
170	1150	-.361	.073	-.138	-.653	170	1245	-.062	.039	.110	-.186	170	1335	.358	.156	.988	-.011
170	1151	-.351	.082	-.062	-.693	170	1246	-.006	.045	.185	-.140	170	1336	.239	.144	.807	-.110
170	1152	-.352	.081	-.066	-.713	170	1247	.018	.064	.242	-.296	170	1337	.113	.096	.557	-.185
170	1153	-.295	.077	.008	-.656	170	1248	-.163	.163	.273	-.835	170	1338	.204	.102	.659	-.101
170	1154	-.277	.069	-.029	-.705	170	1249	-.197	.143	.280	-.888	170	1339	.314	.128	.870	-.054
170	1155	-.265	.077	.074	-.738	170	1250	-.248	.059	.006	-.494	170	1340	.371	.136	.910	.023
170	1201	-.332	.068	-.101	-.621	170	1251	-.052	.040	.144	-.214	170	1341	.375	.138	.932	-.050
170	1202	-.260	.057	-.053	-.487	170	1252	.024	.066	.300	-.429	170	1342	.364	.135	.898	-.033

APPENDIX A -- PRESSURE DATA ;   CONFIGURATION A : GATEWAY PROJECT TOWERS

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
170	1343	.394	.153	1.057	.031	170	1416	-.410	.075	-.117	-.822	170	1905	-.522	.111	-.172	-1.108
170	1344	.322	.152	1.028	-.031	170	1417	-.422	.080	-.142	-.976	170	1906	-.510	.087	-.242	-.869
170	1345	.208	.143	.841	-.171	170	1418	-.444	.087	-.142	-1.030	170	1907	-.464	.130	.016	-1.257
170	1346	.086	.096	.565	-.223	170	1419	-.466	.090	-.134	-.861	170	1908	-.495	.119	-.016	-1.180
170	1347	.191	.107	.719	-.108	170	1420	-.511	.138	-.144	-1.146	170	1909	-.514	.094	-.205	-.935
170	1348	.305	.123	.809	.002	170	1421	-.524	.152	-.152	-1.316	170	1910	-.375	.089	-.131	-.929
170	1349	.348	.128	.873	.067	170	1422	-.402	.082	-.166	-.748	170	1911	-.369	.082	-.129	-.750
170	1350	.353	.129	.903	.065	170	1423	-.406	.082	-.122	-.835	170	2101	-.391	.106	-.060	-1.231
170	1351	.320	.132	.952	.004	170	1424	-.422	.083	-.202	-.827	170	2102	-.390	.094	-.017	-.831
170	1352	.322	.134	.937	.010	170	1425	-.444	.095	-.157	-.989	170	2103	-.358	.090	-.067	-.838
170	1353	.243	.139	.804	-.178	170	1426	-.477	.104	-.119	-1.032	170	2104	-.340	.083	-.100	-.750
170	1354	.126	.130	.605	-.249	170	1427	-.542	.147	-.132	-1.201	170	2105	-.331	.075	-.141	-.661
170	1355	.071	.084	.573	-.251	170	1428	-.548	.170	-.095	-1.442	170	2106	-.329	.074	-.136	-.659
170	1356	.137	.084	.642	-.121	170	1429	-.414	.085	-.142	-.714	170	2107	-.398	.109	-.146	-.999
170	1357	.219	.097	.700	-.093	170	1430	-.421	.086	-.151	-.736	170	2108	-.406	.095	-.133	-1.050
170	1358	.246	.102	.734	-.040	170	1431	-.440	.094	-.155	-.856	170	2109	-.387	.085	-.166	-.755
170	1359	.252	.099	.787	-.013	170	1432	-.462	.111	-.125	-.980	170	2110	-.359	.075	-.107	-.661
170	1360	.242	.105	.699	-.034	170	1433	-.480	.115	-.106	-1.120	170	2111	-.357	.076	-.116	-.664
170	1361	.233	.102	.788	-.082	170	1434	-.537	.162	-.022	-1.351	170	2112	-.359	.075	-.124	-.648
170	1362	.146	.110	.839	-.214	170	1435	-.556	.183	-.054	-1.623	170	2113	-.391	.117	-.121	-1.137
170	1363	.066	.116	.515	-.302	170	1436	-.455	.098	-.171	-1.141	170	2114	-.384	.096	-.153	-.915
170	1364	.079	.077	.380	-.144	170	1437	-.456	.096	-.184	-1.190	170	2115	-.372	.085	-.147	-.798
170	1365	.203	.087	.654	-.023	170	1438	-.473	.105	-.233	-1.289	170	2116	-.352	.076	-.158	-.682
170	1366	.240	.097	.842	-.000	170	1439	-.485	.120	-.148	-1.100	170	2117	-.332	.071	-.142	-.598
170	1367	.236	.098	.748	-.025	170	1440	-.509	.125	-.146	-1.092	170	2118	-.333	.070	-.126	-.602
170	1368	.015	.098	.423	-.293	170	1441	-.548	.152	-.134	-1.236	170	2119	-.372	.132	-.060	-1.337
170	1369	.158	.082	.600	-.057	170	1442	-.566	.174	-.155	-1.296	170	2120	-.370	.109	-.146	-1.272
170	1370	.204	.085	.689	.007	170	1443	-.503	.115	-.204	-1.081	170	2121	-.373	.100	-.140	-1.059
170	1371	.302	.117	.782	.055	170	1444	-.482	.115	-.150	-1.397	170	2122	-.351	.081	-.107	-.743
170	1372	.337	.127	1.121	.073	170	1445	-.495	.123	-.146	-1.111	170	2123	-.337	.077	-.140	-.725
170	1373	.331	.125	.926	.081	170	1446	-.503	.131	-.112	-1.215	170	2124	-.341	.078	-.140	-.725
170	1374	.302	.116	.790	.072	170	1447	-.484	.124	-.094	-1.063	170	2125	-.379	.123	-.105	-1.694
170	1375	.278	.120	.775	.046	170	1448	-.461	.120	-.104	-1.164	170	2126	-.377	.104	-.158	-1.241
170	1376	.131	.093	.612	-.084	170	1449	-.466	.131	-.095	-1.306	170	2127	-.378	.100	-.131	-1.408
170	1377	.007	.084	.370	-.231	170	1450	-.493	.129	-.206	-1.088	170	2128	-.363	.086	-.097	-1.008
170	1401	-.417	.076	-.169	-.817	170	1451	-.520	.147	-.202	-1.285	170	2129	-.356	.084	-.123	-.755
170	1402	-.431	.077	-.178	-.803	170	1452	-.455	.115	-.106	-1.018	170	2130	-.353	.082	-.071	-.741
170	1403	-.447	.077	-.194	-.742	170	1453	-.433	.127	-.061	-1.327	170	2131	-.416	.113	-.085	-1.479
170	1404	-.476	.093	-.136	-.931	170	1454	-.470	.145	-.156	-1.607	170	2132	-.409	.102	-.049	-1.186
170	1405	-.492	.105	-.185	-.978	170	1455	-.465	.152	-.121	-1.365	170	2133	-.401	.094	-.198	-1.099
170	1406	-.477	.111	-.140	-.936	170	1456	-.460	.131	-.145	-1.181	170	2134	-.389	.082	-.165	-.850
170	1407	-.479	.118	-.153	-1.048	170	1457	-.434	.113	-.153	-1.083	170	2135	-.379	.078	-.175	-.790
170	1408	-.421	.078	-.181	-.819	170	1458	-.400	.100	-.109	-.917	170	2136	-.377	.079	-.176	-.784
170	1409	-.419	.069	-.187	-.692	170	1459	-.395	.102	-.073	-1.012	170	2137	-.437	.145	.064	-1.988
170	1410	-.437	.083	-.167	-.875	170	1460	-.399	.106	-.101	-1.084	170	2138	-.433	.132	-.015	-1.581
170	1411	-.454	.085	-.227	-.836	170	1461	-.375	.086	-.104	-.759	170	2139	-.401	.102	.008	-1.143
170	1412	-.461	.088	-.083	-.844	170	1901	-.495	.105	-.115	-.988	170	2140	-.386	.088	-.212	-1.107
170	1413	-.475	.104	-.081	-.847	170	1902	-.511	.083	-.242	-.939	170	2141	-.375	.079	-.163	-.893
170	1414	-.488	.116	-.137	-.982	170	1903	-.505	.077	-.233	-.826	170	2142	-.373	.078	-.146	-.874
170	1415	-.409	.074	-.122	-.77[illegible]	170	1904	-.450	.120	.190	-.979	170	2143	-.470	.169	.001	-1.494

APPENDIX A -- PRESSURE DATA ; CONFIGURATION A : GATEWAY PROJECT TOWERS

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
170	2144	-.415	.118	-.176	-2.122	170	2239	-.135	.072	.146	-.442	170	2328	-.602	.281	.611	-1.617
170	2145	-.381	.084	-.189	-.949	170	2240	.073	.098	.423	-.202	170	2329	-.565	.345	.436	-1.814
170	2146	-.362	.077	-.187	-.843	170	2241	.275	.130	.970	-.097	170	2330	-.291	.257	.205	-1.665
170	2147	-.382	.084	-.200	-.862	170	2242	.322	.136	1.031	-.153	170	2331	-.270	.217	.135	-1.371
170	2148	-.372	.079	-.185	-.836	170	2243	-.361	.065	-.167	-.620	170	2332	-.259	.178	.218	-1.247
170	2149	-.382	.082	-.137	-.865	170	2244	-.350	.063	-.147	-.726	170	2333	-.110	.261	.524	-1.710
170	2150	-.465	.186	.184	-1.590	170	2245	-.280	.063	-.055	-.608	170	2334	-.268	.132	.203	-1.076
170	2151	-.439	.165	.079	-1.441	170	2246	-.156	.074	.156	-.404	170	2335	-.282	.076	-.055	-.764
170	2152	-.401	.108	.064	-1.211	170	2247	.038	.099	.550	-.246	170	2336	-.307	.069	-.060	-.687
170	2153	-.395	.087	-.194	-1.027	170	2248	.198	.118	.743	-.154	170	2337	-.586	.284	.728	-1.742
170	2154	-.387	.081	-.182	-.882	170	2249	.239	.120	.814	-.375	170	2338	-.551	.336	.526	-1.758
170	2155	-.383	.080	-.192	-.883	170	2250	-.354	.065	-.194	-.591	170	2339	-.300	.257	.162	-1.648
170	2201	-.266	.061	-.046	-.498	170	2251	-.271	.061	-.047	-.493	170	2340	-.279	.218	.162	-1.407
170	2202	-.241	.060	-.027	-.481	170	2252	.019	.104	.384	-.271	170	2341	-.234	.154	.111	-1.111
170	2203	-.219	.064	.001	-.463	170	2253	.202	.126	.824	-.647	170	2342	-.112	.245	.465	-1.392
170	2204	-.199	.073	.062	-.515	170	2254	-.396	.087	-.198	-1.337	170	2343	-.257	.113	.137	-1.032
170	2205	-.114	.080	.164	-.385	170	2255	-.346	.066	-.149	-.673	170	2344	-.294	.068	-.038	-.761
170	2206	.153	.118	.531	-.236	170	2256	-.312	.056	-.111	-.518	170	2345	-.326	.067	-.137	-.692
170	2207	.340	.164	.873	-.235	170	2257	-.245	.064	-.005	-.499	170	2346	-.505	.300	.531	-2.084
170	2208	-.318	.062	-.131	-.650	170	2258	-.163	.083	.134	-.429	170	2347	-.397	.314	.331	-1.608
170	2209	-.280	.055	-.054	-.501	170	2259	.012	.105	.469	-.322	170	2348	-.251	.204	.095	-1.774
170	2210	-.197	.060	.055	-.458	170	2260	.135	.115	.712	-.132	170	2349	-.258	.184	.069	-1.611
170	2211	-.072	.074	.218	-.280	170	2261	.116	.102	.697	-.213	170	2350	-.253	.152	.210	-1.195
170	2212	.128	.104	.486	-.179	170	2301	-.562	.349	.268	-1.822	170	2351	-.112	.229	.564	-1.623
170	2213	.414	.156	.909	-.058	170	2302	-.320	.313	.220	-1.841	170	2352	-.293	.114	.088	-1.192
170	2214	.468	.170	1.089	-.174	170	2303	-.200	.070	.011	-.597	170	2353	-.337	.074	-.045	-.929
170	2215	-.320	.065	-.119	-.657	170	2304	-.233	.096	.025	-.910	170	2354	-.402	.075	-.116	-.884
170	2216	-.314	.070	-.068	-.637	170	2305	-.252	.074	.540	-.578	170	2355	-.507	.292	.496	-1.924
170	2217	-.227	.074	.030	-.660	170	2306	.187	.200	.905	-.513	170	2356	-.461	.314	.346	-2.030
170	2218	-.062	.085	.206	-.404	170	2307	-.301	.068	-.006	-.728	170	2357	-.278	.201	.074	-1.542
170	2219	.170	.122	.619	-.188	170	2308	-.277	.052	-.114	-.841	170	2358	-.255	.172	.069	-1.414
170	2220	.446	.163	.975	-.116	170	2309	-.321	.060	-.140	-.671	170	2359	-.243	.140	.064	-1.127
170	2221	.520	.173	1.047	-.181	170	2310	-.587	.362	.483	-1.792	170	2360	-.106	.219	.508	-1.119
170	2222	-.330	.077	-.085	-.727	170	2311	-.451	.351	.416	-1.664	170	2361	-.271	.099	.061	-.920
170	2223	-.316	.078	-.064	-.714	170	2312	-.213	.131	.080	-1.032	170	2362	-.346	.069	-.147	-.866
170	2224	-.243	.084	.109	-.575	170	2313	-.218	.094	.012	-.932	170	2363	-.410	.078	-.193	-.821
170	2225	-.086	.081	.243	-.380	170	2314	-.232	.093	.021	-.770	170	2364	-.437	.242	.462	-1.499
170	2226	.141	.115	.619	-.207	170	2315	-.025	.203	.871	-.973	170	2365	-.275	.198	.105	-2.174
170	2227	.379	.160	1.023	-.105	170	2316	-.248	.084	.011	-.757	170	2366	-.252	.173	.128	-1.269
170	2228	.454	.172	.990	-.592	170	2317	-.310	.061	-.087	-.615	170	2367	-.270	.097	.036	-.913
170	2229	-.342	.079	-.121	-.739	170	2318	-.369	.073	-.155	-.797	170	2368	-.404	.078	-.179	-.766
170	2230	-.328	.081	-.027	-.700	170	2319	-.575	.289	.532	-1.554	170	2369	-.354	.229	.197	-2.205
170	2231	-.259	.085	.130	-.638	170	2320	-.559	.349	.404	-1.657	170	2370	-.336	.238	.166	-2.752
170	2232	-.113	.081	.229	-.398	170	2321	-.266	.238	.206	-1.744	170	2371	-.238	.178	.127	-1.852
170	2233	.108	.106	.491	-.218	170	2322	-.237	.200	.141	-1.597	170	2372	-.218	.132	.100	-1.057
170	2234	.322	.147	.852	-.176	170	2323	-.227	.154	.248	-1.189	170	2373	-.210	.112	.160	-.950
170	2235	.375	.157	.975	-.467	170	2324	-.086	.251	.643	-1.128	170	2374	-.173	.138	.305	-1.190
170	2236	-.353	.073	-.140	-.745	170	2325	-.256	.116	.215	-.926	170	2375	-.238	.081	.109	-.997
170	2237	-.336	.072	-.079	-.727	170	2326	-.296	.074	-.034	-.800	170	2376	-.311	.066	-.010	-.606
170	2238	-.271	.074	.000	-.634	170	2327	-.335	.074	-.069	-.744	170	2377	-.375	.076	-.159	-.838

APPENDIX A -- PRESSURE DATA ; CONFIGURATION A : GATEWAY PROJECT TOWERS

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
170	2401	-.387	.088	-.120	-.854
170	2402	-.381	.090	-.107	-.823
170	2403	-.395	.105	-.085	-1.063
170	2404	-.403	.106	-.047	-.900
170	2405	-.408	.110	-.095	-1.146
170	2406	-.413	.101	-.033	-.890
170	2407	-.396	.097	-.096	-.849
170	2408	-.402	.095	-.149	-1.163
170	2409	-.383	.087	-.132	-.997
170	2410	-.379	.086	-.120	-.873
170	2411	-.382	.085	-.136	-.844
170	2412	-.403	.090	-.135	-.873
170	2413	-.418	.094	-.075	-1.180
170	2414	-.410	.103	-.158	-1.072
170	2415	-.373	.081	-.181	-.863
170	2416	-.370	.084	-.128	-.896
170	2417	-.375	.083	-.167	-1.029
170	2418	-.389	.084	-.142	-.910
170	2419	-.403	.087	-.083	-.817
170	2420	-.412	.104	-.086	-1.071
170	2421	-.422	.117	-.165	-1.136
170	2422	-.368	.076	-.130	-.914
170	2423	-.366	.077	-.123	-.791
170	2424	-.372	.079	-.147	-.828
170	2425	-.381	.081	.001	-.895
170	2426	-.397	.085	-.043	-.967
170	2427	-.404	.104	-.107	-1.230
170	2428	-.419	.132	-.166	-1.290
170	2429	-.391	.079	-.165	-.841
170	2430	-.394	.079	-.151	-.853
170	2431	-.396	.082	-.093	-.949
170	2432	-.411	.089	-.103	-.882
170	2433	-.419	.092	-.059	-1.012
170	2434	-.430	.106	-.076	-1.064
170	2435	-.439	.130	-.146	-1.160
170	2436	-.453	.085	-.140	-1.013
170	2437	-.452	.081	-.168	-.814
170	2438	-.456	.081	-.190	-.933
170	2439	-.454	.083	-.189	-.814
170	2440	-.433	.081	-.174	-.772
170	2441	-.444	.090	-.138	-1.046
170	2442	-.442	.103	-.153	-1.078
170	2443	-.481	.091	-.241	-.950
170	2444	-.474	.093	-.235	-.954
170	2445	-.469	.094	-.224	-.931
170	2446	-.453	.091	-.233	-.889
170	2447	-.419	.081	-.166	-.790
170	2448	-.386	.081	-.095	-.695
170	2449	-.393	.086	-.126	-.829
170	2450	-.485	.119	-.246	-1.418

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
170	2451	-.461	.094	-.209	-.945
170	2452	-.359	.071	-.127	-.649
170	2453	-.339	.069	-.098	-.675
170	2454	-.367	.079	-.097	-.671
170	2455	-.489	.127	-.175	-1.211
170	2456	-.471	.119	-.155	-1.112
170	2457	-.429	.089	-.168	-.985
170	2458	-.365	.073	-.105	-.654
170	2459	-.319	.070	-.025	-.669
170	2460	-.288	.067	-.034	-.606
170	2461	-.282	.064	.018	-.549
170	2901	-.073	.116	.338	-.587
170	2902	-.156	.115	.192	-.624
170	2903	-.173	.206	.593	-.679
170	2904	-.085	.102	.292	-.540
170	2905	-.371	.150	.047	-.853
170	2906	-.600	.114	-.292	-1.107
170	2907	-.299	.110	.012	-.748
170	2908	-.495	.112	-.196	-.940
170	2909	-.752	.168	-.093	-1.398
170	2910	-.372	.076	-.175	-.896
170	2911	-.387	.080	-.216	-.806
180	1101	-.445	.088	-.194	-.902
180	1102	-.427	.085	-.164	-.875
180	1103	-.422	.089	-.096	-.754
180	1104	-.426	.090	-.103	-.906
180	1105	-.398	.085	-.103	-.857
180	1106	-.380	.078	-.111	-.675
180	1107	-.449	.079	-.215	-.753
180	1108	-.432	.072	-.212	-.738
180	1109	-.416	.071	-.219	-.679
180	1110	-.402	.069	-.222	-.677
180	1111	-.383	.067	-.197	-.661
180	1112	-.371	.070	-.138	-.658
180	1113	-.474	.077	-.252	-.842
180	1114	-.457	.071	-.260	-.742
180	1115	-.418	.066	-.229	-.682
180	1116	-.367	.063	-.105	-.646
180	1117	-.325	.063	-.048	-.723
180	1118	-.322	.066	-.026	-.718
180	1119	-.487	.084	-.219	-.786
180	1120	-.431	.076	-.189	-.753
180	1121	-.362	.061	-.181	-.622
180	1122	-.312	.056	-.081	-.532
180	1123	-.280	.060	.003	-.532
180	1124	-.274	.066	.144	-.500
180	1125	-.486	.098	-.212	-.875
180	1126	-.440	.082	-.204	-.762
180	1127	-.358	.065	-.103	-.593
180	1128	-.295	.057	-.091	-.502

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
180	1129	-.259	.066	.041	-.597
180	1130	-.254	.067	.034	-.582
180	1131	-.489	.103	-.197	-.906
180	1132	-.448	.089	-.172	-.791
180	1133	-.362	.071	-.118	-.661
180	1134	-.281	.065	-.027	-.553
180	1135	-.236	.074	.056	-.515
180	1136	-.234	.073	.114	-.554
180	1137	-.479	.104	-.185	-.902
180	1138	-.447	.092	-.166	-.937
180	1139	-.367	.081	-.006	-.752
180	1140	-.294	.074	.008	-.641
180	1141	-.252	.078	.037	-.687
180	1142	-.241	.078	.069	-.697
180	1143	-.430	.098	-.141	-.913
180	1144	-.348	.100	.032	-.714
180	1145	-.270	.089	.087	-.762
180	1146	-.259	.088	.212	-.688
180	1147	-.428	.108	-.076	-1.027
180	1148	-.406	.098	-.118	-.888
180	1149	-.342	.090	.036	-.868
180	1150	-.344	.088	.027	-.701
180	1151	-.323	.082	.147	-.662
180	1152	-.328	.078	-.017	-.691
180	1153	-.265	.071	.112	-.527
180	1154	-.261	.068	.005	-.554
180	1155	-.244	.074	.056	-.567
180	1201	-.285	.062	-.044	-.538
180	1202	-.219	.057	-.001	-.436
180	1203	-.145	.064	.100	-.392
180	1204	-.098	.070	.159	-.384
180	1205	-.084	.075	.193	-.411
180	1206	-.138	.118	.228	-.682
180	1207	-.227	.154	.305	-.735
180	1208	-.327	.064	-.098	-.588
180	1209	-.187	.057	.023	-.382
180	1210	.005	.073	.262	-.225
180	1211	.089	.086	.380	-.175
180	1212	.150	.097	.471	-.224
180	1213	.025	.186	.672	-.638
180	1214	-.038	.182	.641	-.667
180	1215	-.270	.054	-.039	-.475
180	1216	-.159	.051	.079	-.340
180	1217	.010	.069	.348	-.173
180	1218	.103	.087	.517	-.130
180	1219	.168	.106	.631	-.148
180	1220	.003	.222	.576	-.755
180	1221	-.045	.200	.578	-.839
180	1222	-.236	.053	-.011	-.426
180	1223	-.134	.050	.175	-.286

APPENDIX A -- PRESSURE DATA ; CONFIGURATION A : GATEWAY PROJECT TOWERS

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
180	1224	.012	.063	.237	-.143
180	1225	.101	.075	.417	-.091
180	1226	.161	.094	.543	-.238
180	1227	.024	.212	.671	-.793
180	1228	-.007	.186	.692	-.740
180	1229	-.207	.056	.065	-.450
180	1230	-.125	.052	.125	-.303
180	1231	.000	.059	.330	-.166
180	1232	.066	.068	.323	-.099
180	1233	.120	.084	.414	-.288
180	1234	-.016	.195	.492	-.661
180	1235	-.059	.180	.492	-.759
180	1236	-.231	.065	.083	-.533
180	1237	-.129	.050	.078	-.351
180	1238	-.013	.053	.225	-.163
180	1239	.055	.063	.355	-.122
180	1240	.107	.075	.407	-.361
180	1241	.007	.174	.469	-.662
180	1242	-.046	.167	.471	-.666
180	1243	-.202	.062	.075	-.444
180	1244	-.099	.047	.081	-.313
180	1245	-.014	.045	.170	-.146
180	1246	.046	.053	.279	-.097
180	1247	.078	.065	.357	-.129
180	1248	.002	.128	.480	-.460
180	1249	-.012	.137	.479	-.742
180	1250	-.215	.067	.075	-.498
180	1251	.012	.049	.267	-.117
180	1252	.107	.068	.359	-.116
180	1253	.017	.118	.411	-.505
180	1254	-.165	.057	.109	-.367
180	1255	-.067	.051	.137	-.217
180	1256	.048	.060	.342	-.099
180	1257	.113	.069	.411	-.064
180	1258	.165	.078	.483	-.045
180	1259	.134	.114	.529	-.442
180	1260	.084	.118	.558	-.370
180	1301	.129	.127	.648	-.321
180	1302	.198	.133	.759	-.210
180	1303	.270	.148	.723	-.199
180	1304	.231	.147	.697	-.181
180	1305	.162	.127	.638	-.206
180	1306	.117	.117	.521	-.251
180	1307	.279	.151	.774	-.175
180	1308	.265	.149	.776	-.178
180	1309	.203	.142	.635	-.217
180	1310	.230	.149	.934	-.169
180	1311	.353	.154	1.026	-.020
180	1312	.444	.170	1.020	.003
180	1313	.473	.165	1.013	-.019

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
180	1314	.486	.174	1.173	.038
180	1315	.479	.174	1.158	.048
180	1316	.486	.180	1.196	-.006
180	1317	.375	.163	.906	-.100
180	1318	.212	.139	.683	-.194
180	1319	.278	.146	.776	-.262
180	1320	.364	.146	.909	-.084
180	1321	.474	.155	.988	.053
180	1322	.484	.168	1.022	-.002
180	1323	.488	.160	.956	.073
180	1324	.480	.158	.957	.058
180	1325	.462	.164	.968	.052
180	1326	.310	.150	.869	-.053
180	1327	.168	.135	.604	-.212
180	1328	.255	.131	.902	-.146
180	1329	.334	.134	1.001	-.040
180	1330	.419	.152	1.004	.026
180	1331	.443	.145	.997	.090
180	1332	.448	.143	.982	.110
180	1333	.442	.147	.954	.067
180	1334	.422	.148	.978	.052
180	1335	.275	.143	.834	-.152
180	1336	.131	.123	.643	-.256
180	1337	.259	.123	.689	-.070
180	1338	.318	.128	.763	-.004
180	1339	.375	.143	.896	.042
180	1340	.385	.140	.865	.078
180	1341	.394	.143	.924	.073
180	1342	.388	.145	.930	.066
180	1343	.360	.150	.985	.014
180	1344	.230	.132	.755	-.082
180	1345	.101	.118	.569	-.277
180	1346	.204	.107	.677	-.089
180	1347	.266	.106	.718	-.049
180	1348	.328	.116	.770	-.019
180	1349	.334	.117	.764	.048
180	1350	.342	.119	.782	.063
180	1351	.314	.122	.859	.009
180	1352	.288	.124	.767	-.062
180	1353	.168	.116	.643	-.133
180	1354	.041	.104	.586	-.243
180	1355	.162	.094	.546	-.112
180	1356	.204	.096	.583	-.062
180	1357	.238	.104	.739	-.055
180	1358	.253	.111	.785	-.002
180	1359	.260	.106	.801	.004
180	1360	.236	.103	.780	-.017
180	1361	.223	.113	.751	-.091
180	1362	.105	.108	.588	-.281
180	1363	-.014	.096	.417	-.399

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
180	1364	.165	.086	.576	-.095
180	1365	.225	.091	.688	-.001
180	1366	.241	.101	.677	-.021
180	1367	.206	.105	.670	-.049
180	1368	-.042	.086	.319	-.362
180	1369	.223	.094	.629	-.013
180	1370	.251	.098	.667	.035
180	1371	.315	.118	1.017	.053
180	1372	.336	.129	1.168	.054
180	1373	.337	.131	1.118	.053
180	1374	.311	.124	.974	.035
180	1375	.293	.124	.966	.026
180	1376	.118	.088	.797	-.107
180	1377	-.006	.076	.597	-.241
180	1401	-.398	.065	-.177	-.622
180	1402	-.413	.068	-.165	-.674
180	1403	-.437	.071	-.209	-.747
180	1404	-.455	.071	-.173	-.751
180	1405	-.461	.091	-.163	-1.015
180	1406	-.473	.100	-.193	-.963
180	1407	-.461	.107	-.114	-1.289
180	1408	-.401	.064	-.191	-.632
180	1409	-.414	.066	-.196	-.639
180	1410	-.415	.065	-.192	-.668
180	1411	-.428	.070	-.215	-.677
180	1412	-.440	.071	-.195	-.695
180	1413	-.456	.084	-.211	-.805
180	1414	-.464	.091	-.211	-.823
180	1415	-.398	.064	-.182	-.637
180	1416	-.405	.065	-.165	-.653
180	1417	-.415	.064	-.203	-.647
180	1418	-.433	.067	-.229	-.686
180	1419	-.455	.072	-.246	-.801
180	1420	-.482	.095	-.226	-.911
180	1421	-.495	.101	-.228	-.982
180	1422	-.387	.069	-.158	-.679
180	1423	-.388	.069	-.192	-.705
180	1424	-.407	.072	-.187	-.668
180	1425	-.432	.075	-.201	-.717
180	1426	-.466	.085	-.206	-.846
180	1427	-.512	.117	-.232	-1.105
180	1428	-.521	.120	-.170	-1.030
180	1429	-.392	.072	-.173	-.662
180	1430	-.394	.072	-.176	-.667
180	1431	-.410	.074	-.194	-.723
180	1432	-.437	.080	-.197	-.785
180	1433	-.481	.089	-.233	-.863
180	1434	-.531	.124	-.197	-1.053
180	1435	-.544	.135	-.190	-1.182
180	1436	-.404	.076	-.192	-.690

APPENDIX A -- PRESSURE DATA ;   CONFIGURATION A : GATEWAY PROJECT TOWERS

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
180	1437	-.409	.075	-.190	-.679
180	1438	-.419	.078	-.158	-.702
180	1439	-.456	.091	-.253	-1.008
180	1440	-.475	.093	-.229	-.855
180	1441	-.540	.129	-.228	-1.130
180	1442	-.556	.146	-.218	-1.209
180	1443	-.446	.089	-.190	-.836
180	1444	-.458	.096	-.244	-.854
180	1445	-.465	.103	-.231	-1.017
180	1446	-.476	.107	-.229	-.893
180	1447	-.476	.106	-.199	-.964
180	1448	-.521	.139	-.215	-1.243
180	1449	-.533	.157	-.198	-1.411
180	1450	-.442	.096	-.186	-.886
180	1451	-.451	.100	-.223	-.975
180	1452	-.441	.101	-.210	-.899
180	1453	-.465	.144	-.133	-1.341
180	1454	-.422	.102	-.148	-.895
180	1455	-.441	.106	-.120	-1.058
180	1456	-.447	.103	-.163	-1.100
180	1457	-.440	.102	-.175	-.961
180	1458	-.425	.102	-.148	-.874
180	1459	-.432	.133	-.068	-1.307
180	1460	-.438	.137	-.109	-1.272
180	1461	-.361	.089	-.108	-.728
180	1901	-.466	.113	.058	-.947
180	1902	-.492	.093	-.189	-.921
180	1903	-.490	.089	-.221	-.824
180	1904	-.475	.122	-.086	-.973
180	1905	-.505	.096	-.010	-1.049
180	1906	-.499	.077	-.133	-.815
180	1907	-.479	.113	.075	-1.246
180	1908	-.488	.098	.037	-.892
180	1909	-.494	.085	-.209	-.766
180	1910	-.355	.087	-.003	-.688
180	1911	-.345	.080	-.079	-.650
180	2101	-.355	.124	.010	-1.008
180	2102	-.365	.124	.028	-1.073
180	2103	-.345	.132	.085	-1.047
180	2104	-.338	.119	.079	-1.005
180	2105	-.346	.093	.002	-1.051
180	2106	-.338	.086	.004	-.922
180	2107	-.353	.102	-.122	-.967
180	2108	-.344	.100	-.008	-1.311
180	2109	-.358	.098	-.089	-1.337
180	2110	-.326	.083	.026	-.878
180	2111	-.325	.074	-.074	-.667
180	2112	-.328	.072	-.092	-.685
180	2113	-.333	.086	-.102	-1.146
180	2114	-.331	.072	-.122	-.849

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
180	2115	-.325	.075	-.121	-.873
180	2116	-.313	.073	-.085	-.749
180	2117	-.295	.064	-.090	-.612
180	2118	-.300	.064	-.069	-.590
180	2119	-.302	.082	-.047	-1.142
180	2120	-.302	.069	-.126	-.897
180	2121	-.306	.083	-.104	-1.076
180	2122	-.297	.079	-.086	-.778
180	2123	-.283	.071	-.072	-.671
180	2124	-.286	.072	-.079	-.690
180	2125	-.299	.080	-.107	-1.196
180	2126	-.301	.070	-.093	-1.114
180	2127	-.300	.074	-.143	-.882
180	2128	-.291	.071	-.124	-.824
180	2129	-.283	.068	-.092	-.610
180	2130	-.285	.068	-.095	-.615
180	2131	-.337	.077	-.152	-.962
180	2132	-.333	.071	-.142	-.765
180	2133	-.321	.068	-.144	-.885
180	2134	-.317	.066	-.139	-.771
180	2135	-.304	.061	-.130	-.591
180	2136	-.305	.063	-.113	-.595
180	2137	-.350	.081	-.187	-1.170
180	2138	-.350	.074	-.205	-1.051
180	2139	-.331	.058	-.192	-.733
180	2140	-.326	.056	-.192	-.688
180	2141	-.313	.052	-.151	-.544
180	2142	-.316	.051	-.156	-.554
180	2143	-.353	.092	-.143	-1.195
180	2144	-.332	.059	-.190	-.604
180	2145	-.336	.060	-.189	-.633
180	2146	-.334	.056	-.186	-.581
180	2147	.336	.061	-.183	-.647
180	2148	.334	.058	-.172	-.592
180	2149	.315	.056	-.163	-.638
180	2150	-.353	.102	-.159	-1.375
180	2151	-.342	.095	-.149	-1.266
180	2152	-.324	.059	-.163	-.704
180	2153	-.322	.058	-.189	-.638
180	2154	-.318	.057	-.158	-.596
180	2155	-.316	.057	-.154	-.588
180	2201	-.302	.082	.241	-.742
180	2202	-.296	.083	.131	-.744
180	2203	-.271	.082	.117	-.585
180	2204	-.204	.079	.110	-.547
180	2205	-.049	.098	.296	-.410
180	2206	.260	.139	.755	-.186
180	2207	.432	.161	.949	-.210
180	2208	-.332	.076	-.090	-.713
180	2209	-.307	.068	-.028	-.599

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
180	2210	-.247	.085	.142	-.588
180	2211	-.088	.089	.293	-.383
180	2212	.200	.120	.591	-.205
180	2213	.507	.168	1.013	.043
180	2214	.555	.171	1.091	-.081
180	2215	-.303	.068	-.091	-.566
180	2216	-.309	.074	-.053	-.660
180	2217	-.269	.093	.042	-.619
180	2218	-.106	.101	.244	-.634
180	2219	.195	.126	.623	-.340
180	2220	.501	.167	1.043	.033
180	2221	.517	.167	1.067	.074
180	2222	-.292	.073	-.054	-.691
180	2223	-.297	.080	-.025	-.714
180	2224	-.275	.105	.059	-.840
180	2225	-.111	.103	.235	-.631
180	2226	.186	.121	.659	-.176
180	2227	.456	.164	1.078	-.002
180	2228	.457	.175	1.008	-.161
180	2229	-.289	.074	-.059	-.691
180	2230	-.300	.081	-.043	-.682
180	2231	-.281	.101	.056	-.779
180	2232	-.144	.101	.241	-.562
180	2233	.133	.114	.547	-.228
180	2234	.371	.157	1.013	-.068
180	2235	.384	.160	1.038	-.048
180	2236	-.316	.069	-.080	-.670
180	2237	-.317	.073	-.094	-.676
180	2238	-.296	.093	-.007	-.695
180	2239	-.153	.091	.185	-.534
180	2240	.109	.112	.575	-.266
180	2241	.338	.152	.916	-.151
180	2242	.343	.153	.921	-.165
180	2243	-.329	.059	-.177	-.645
180	2244	-.327	.058	-.137	-.543
180	2245	-.289	.069	-.050	-.525
180	2246	-.162	.076	.108	-.449
180	2247	.078	.101	.533	-.202
180	2248	.266	.140	.938	-.049
180	2249	.274	.137	.918	-.079
180	2250	-.320	.053	-.174	-.560
180	2251	-.274	.063	-.103	-.576
180	2252	.070	.097	.448	-.326
180	2253	.223	.124	.797	-.178
180	2254	-.318	.058	-.122	-.603
180	2255	-.298	.051	-.115	-.497
180	2256	-.294	.055	-.108	-.484
180	2257	-.243	.066	-.017	-.527
180	2258	-.150	.079	.135	-.445
180	2259	.060	.104	.483	-.218

APPENDIX A -- PRESSURE DATA ;   CONFIGURATION A : GATEWAY PROJECT TOWERS

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
180	2260	.190	.127	.749	-.190
180	2261	.127	.117	.700	-.314
180	2301	-.969	.235	-.126	-2.086
180	2302	-.913	.272	-.045	-1.974
180	2303	-.462	.178	-.073	-1.439
180	2304	-.555	.207	-.104	-1.374
180	2305	-.408	.188	.485	-1.386
180	2306	.023	.309	.928	-1.528
180	2307	-.405	.109	.085	-.935
180	2308	-.331	.073	-.012	-.819
180	2309	-.357	.082	.016	-.826
180	2310	-.979	.282	-.013	-1.980
180	2311	-.953	.261	.052	-1.693
180	2312	-.605	.227	-.006	-1.544
180	2313	-.541	.210	-.036	-1.425
180	2314	-.512	.167	-.043	-1.372
180	2315	-.438	.238	.395	-1.410
180	2316	-.424	.170	.023	-1.141
180	2317	-.372	.100	-.032	-.943
180	2318	-.410	.109	-.012	-.919
180	2319	-.788	.196	-.207	-1.676
180	2320	-.799	.213	-.025	-2.300
180	2321	-.709	.300	.136	-2.131
180	2322	-.640	.263	.072	-1.681
180	2323	-.571	.234	.176	-1.369
180	2324	-.551	.330	.448	-1.648
180	2325	-.49[illegible]	.249	.152	-1.539
180	2326	-.39[illegible]	.161	.175	-1.331
180	2327	-.39[illegible]	.151	.138	-1.377
180	2328	-.79[illegible]	.207	-.188	-1.862
180	2329	-.802	.228	.202	-2.030
180	2330	-.731	.308	.054	-2.046
180	2331	-.624	.267	.044	-1.755
180	2332	-.570	.240	.404	-1.492
180	2333	-.590	.335	.478	-2.097
180	2334	-.485	.263	.253	-1.632
180	2335	-.373	.176	.336	-1.254
180	2336	-.375	.163	.346	-1.338
180	2337	-.798	.225	-.099	-2.231
180	2338	-.812	.239	-.027	-2.617
180	2339	-.694	.326	.157	-2.186
180	2340	-.622	.275	.005	-1.616
180	2341	-.580	.250	.137	-1.519
180	2342	-.519	.332	.329	-1.842
180	2343	-.491	.261	.184	-1.455
180	2344	-.381	.170	.091	-1.248
180	2345	-.383	.167	.091	-1.349
180	2346	-.797	.236	-.029	-2.423
180	2347	-.786	.219	.023	-2.026
180	2348	-.676	.331	.105	-2.742

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
180	2349	-.597	.267	-.048	-2.110
180	2350	-.543	.232	.096	-1.502
180	2351	-.507	.330	.443	-1.679
180	2352	-.471	.238	.166	-1.477
180	2353	-.379	.140	-.013	-1.216
180	2354	-.409	.133	.049	-1.371
180	2355	-.724	.255	.081	-2.360
180	2356	-.724	.272	.042	-2.683
180	2357	-.614	.313	.129	-2.285
180	2358	-.554	.259	-.037	-1.824
180	2359	-.500	.228	.145	-1.565
180	2360	-.459	.327	.367	-1.885
180	2361	-.429	.198	.086	-1.446
180	2362	-.385	.117	-.029	-1.008
180	2363	-.411	.110	-.043	-1.003
180	2364	-.678	.215	-.002	-1.850
180	2365	-.634	.310	-.017	-2.264
180	2366	-.511	.229	.002	-1.733
180	2367	-.400	.181	.133	-1.283
180	2368	-.390	.097	-.019	-.890
180	2369	-.639	.244	-.119	-2.334
180	2370	-.651	.257	-.133	-2.629
180	2371	-.554	.283	-.061	-2.191
180	2372	-.475	.208	-.115	-1.943
180	2373	-.384	.154	.010	-1.086
180	2374	-.375	.202	.237	-1.368
180	2375	-.320	.135	.177	-1.058
180	2376	-.322	.074	-.087	-.695
180	2377	-.369	.084	-.119	-.751
180	2401	-.401	.118	-.096	-1.418
180	2402	-.396	.118	-.082	-1.082
180	2403	-.407	.150	.071	-1.259
180	2404	-.380	.121	.034	-.993
180	2405	-.366	.107	-.002	-1.065
180	2406	-.373	.109	-.066	-.911
180	2407	-.369	.110	-.068	-.918
180	2408	-.437	.138	-.036	-1.283
180	2409	-.427	.133	-.012	-1.202
180	2410	-.398	.122	-.080	-.971
180	2411	-.370	.106	-.059	-.892
180	2412	-.346	.093	-.102	-.787
180	2413	-.362	.095	-.138	-.976
180	2414	-.369	.103	-.061	-1.017
180	2415	-.389	.127	.019	-1.093
180	2416	-.370	.119	-.024	-.979
180	2417	-.358	.122	.037	-1.035
180	2418	-.358	.107	.046	-1.001
180	2419	-.355	.095	-.084	-.994
180	2420	-.360	.099	-.082	-.937
180	2421	-.382	.115	-.133	-1.238

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
180	2422	-.408	.141	.043	-1.039
180	2423	-.390	.137	.065	-.999
180	2424	-.363	.126	.009	-.974
180	2425	-.356	.107	-.041	-.811
180	2426	-.362	.092	-.097	-.771
180	2427	-.365	.111	-.098	-1.097
180	2428	-.380	.135	-.113	-1.331
180	2429	-.411	.139	-.021	-1.314
180	2430	-.397	.133	-.005	-1.257
180	2431	-.374	.127	.036	-1.094
180	2432	-.372	.110	-.042	-.984
180	2433	-.371	.098	.015	-.782
180	2434	-.371	.099	-.059	-1.020
180	2435	-.383	.123	-.119	-1.069
180	2436	-.445	.131	-.085	-1.288
180	2437	-.441	.142	-.002	-1.358
180	2438	-.420	.130	.026	-1.089
180	2439	-.407	.120	-.089	-1.553
180	2440	-.368	.083	-.132	-1.207
180	2441	-.374	.085	-.132	-.840
180	2442	-.384	.105	-.151	-.924
180	2443	-.481	.132	-.150	-1.211
180	2444	-.467	.127	-.126	-1.203
180	2445	-.440	.116	-.045	-1.092
180	2446	-.408	.091	-.142	-1.068
180	2447	-.377	.077	-.155	-.788
180	2448	-.351	.066	-.170	-.649
180	2449	-.353	.069	-.148	-.767
180	2450	-.468	.138	-.127	-1.363
180	2451	-.419	.099	-.130	-.908
180	2452	-.333	.067	-.093	-.652
180	2453	-.319	.061	-.148	-.618
180	2454	-.324	.063	-.117	-.627
180	2455	-.484	.159	-.096	-1.514
180	2456	-.445	.139	-.049	-1.441
180	2457	-.366	.087	-.066	-.967
180	2458	-.339	.066	-.132	-.627
180	2459	-.321	.057	-.118	-.651
180	2460	-.299	.054	-.094	-.574
180	2461	-.301	.054	-.101	-.616
180	2901	-.248	.120	.345	-.760
180	2902	-.292	.121	.263	-.946
180	2903	-.183	.211	.476	-.917
180	2904	-.306	.138	.223	-.989
180	2905	-.574	.126	-.187	-1.066
180	2906	-.681	.129	-.308	-1.185
180	2907	-.457	.112	-.121	-1.115
180	2908	-.647	.125	-.242	-1.151
180	2909	-.714	.149	-.339	-1.259
180	2910	-.316	.055	-.169	-.656

APPENDIX A -- PRESSURE DATA ;   CONFIGURATION A : GATEWAY PROJECT TOWERS

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
180	2911	-.324	.058	-.183	-.715	190	1150	-.310	.083	.176	-.643	190	1245	.024	.047	.231	-.105
190	1101	-.440	.093	-.099	-.941	190	1151	-.297	.086	.051	-.628	190	1246	.081	.053	.313	-.065
190	1102	-.419	.083	-.146	-.762	190	1152	-.301	.076	.073	-.665	190	1247	.115	.060	.420	-.071
190	1103	-.423	.084	-.153	-.836	190	1153	-.263	.074	.070	-.564	190	1248	.117	.103	.544	-.306
190	1104	-.408	.081	-.110	-.757	190	1154	-.246	.073	.008	-.529	190	1249	.072	.103	.436	-.301
190	1105	-.367	.078	-.077	-.713	190	1155	-.243	.078	.040	-.593	190	1250	-.205	.064	.079	-.433
190	1106	-.370	.080	-.065	-.667	190	1201	-.245	.080	.025	-.527	190	1251	.053	.052	.319	-.085
190	1107	-.446	.079	-.196	-.742	190	1202	-.168	.074	.194	-.426	190	1252	.142	.065	.413	-.034
190	1108	-.434	.073	-.205	-.698	190	1203	-.091	.082	.241	-.484	190	1253	.099	.086	.441	-.422
190	1109	-.413	.072	-.203	-.695	190	1204	-.038	.089	.358	-.409	190	1254	-.133	.058	.099	-.325
190	1110	-.388	.069	-.106	-.612	190	1205	-.025	.096	.377	-.403	190	1255	-.026	.057	.248	-.184
190	1111	-.357	.075	-.098	-.697	190	1206	-.035	.109	.458	-.611	190	1256	.092	.069	.467	-.070
190	1112	-.360	.072	-.132	-.654	190	1207	-.020	.160	.524	-.669	190	1257	.159	.079	.574	-.016
190	1113	-.457	.082	-.223	-.774	190	1208	-.276	.071	.031	-.590	190	1258	.197	.085	.638	-.002
190	1114	-.437	.078	-.229	-.759	190	1209	-.112	.070	.196	-.383	190	1259	.191	.099	.626	-.275
190	1115	-.394	.075	-.164	-.740	190	1210	.097	.099	.490	-.184	190	1260	.169	.107	.584	-.243
190	1116	-.354	.069	-.101	-.629	190	1211	.191	.119	.604	-.140	190	1301	.246	.138	.737	-.189
190	1117	-.311	.067	-.034	-.657	190	1212	.261	.133	.769	-.113	190	1302	.259	.139	.712	-.132
190	1118	-.305	.070	-.004	-.641	190	1213	.292	.163	.768	-.415	190	1303	.262	.140	.697	-.268
190	1119	-.488	.089	-.106	-.817	190	1214	.218	.180	.835	-.493	190	1304	.195	.137	.686	-.274
190	1120	-.422	.084	-.113	-.722	190	1215	-.210	.061	.008	-.435	190	1305	.153	.126	.586	-.273
190	1121	-.346	.073	-.112	-.608	190	1216	-.082	.062	.240	-.246	190	1306	.149	.125	.631	-.294
190	1122	-.284	.065	.044	-.487	190	1217	.114	.082	.449	-.075	190	1307	.259	.151	.752	-.220
190	1123	-.249	.065	.027	-.515	190	1218	.231	.101	.576	-.025	190	1308	.191	.138	.657	-.224
190	1124	-.259	.070	.048	-.517	190	1219	.310	.117	.736	.025	190	1309	.102	.130	.590	-.299
190	1125	-.487	.095	-.103	-.802	190	1220	.308	.180	.918	-.571	190	1310	.373	.154	1.011	-.083
190	1126	-.439	.084	-.044	-.730	190	1221	.261	.191	.948	-.693	190	1311	.435	.159	1.105	.001
190	1127	-.337	.072	-.054	-.577	190	1222	-.174	.063	.065	-.411	190	1312	.453	.165	1.027	-.000
190	1128	-.269	.065	.018	-.534	190	1223	-.056	.063	.194	-.241	190	1313	.430	.161	1.088	-.096
190	1129	-.232	.066	.067	-.466	190	1224	.093	.079	.415	-.106	190	1314	.442	.159	.984	-.036
190	1130	-.230	.066	.049	-.449	190	1225	.183	.094	.561	-.060	190	1315	.455	.163	.986	-.067
190	1131	-.491	.106	-.200	-.937	190	1226	.255	.112	.702	-.035	190	1316	.421	.163	.890	-.053
190	1132	-.436	.094	-.128	-.827	190	1227	.250	.174	.802	-.488	190	1317	.282	.158	.815	-.153
190	1133	-.322	.072	-.013	-.749	190	1228	.209	.159	.790	-.383	190	1318	.096	.121	.587	-.232
190	1134	-.257	.065	.078	-.584	190	1229	-.172	.061	.082	-.360	190	1319	.403	.164	.973	-.060
190	1135	-.224	.074	.117	-.527	190	1230	-.074	.060	.225	-.258	190	1320	.449	.162	.974	.026
190	1136	-.217	.069	.065	-.546	190	1231	.068	.069	.420	-.103	190	1321	.466	.172	1.088	.060
190	1137	-.456	.103	-.123	-.933	190	1232	.180	.091	.493	-.048	190	1322	.467	.169	1.029	-.016
190	1138	-.408	.092	-.086	-.874	190	1233	.246	.103	.591	-.068	190	1323	.468	.165	.971	.078
190	1139	-.318	.081	.023	-.628	190	1234	.252	.156	.690	-.350	190	1324	.476	.163	.972	.068
190	1140	-.277	.076	.053	-.593	190	1235	.217	.172	.736	-.392	190	1325	.411	.165	.937	.023
190	1141	-.257	.075	.054	-.541	190	1236	-.209	.069	.156	-.493	190	1326	.218	.135	.722	-.138
190	1142	-.257	.082	.107	-.604	190	1237	-.089	.058	.127	-.268	190	1327	.075	.109	.536	-.231
190	1143	-.424	.105	-.060	-1.085	190	1238	.042	.065	.335	-.110	190	1328	.366	.138	.883	-.002
190	1144	-.313	.085	.035	-.776	190	1239	.118	.074	.465	-.094	190	1329	.404	.142	.867	.099
190	1145	-.279	.083	.007	-.705	190	1240	.152	.081	.474	-.044	190	1330	.430	.148	.963	.078
190	1146	-.266	.080	.073	-.612	190	1241	.135	.135	.567	-.394	190	1331	.424	.163	.999	.056
190	1147	-.428	.114	-.065	-1.260	190	1242	.089	.147	.573	-.392	190	1332	.428	.162	.977	.070
190	1148	-.382	.091	-.026	-.869	190	1243	-.186	.065	.137	-.424	190	1333	.424	.160	.934	.049
190	1149	-.316	.084	.145	-.641	190	1244	-.069	.053	.211	-.243	190	1334	.362	.163	.917	-.005

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
190	1335	.208	.130	.660	-.193	190	1408	-.435	.072	-.192	-.704	190	1458	-.453	.105	-.211	-1.068
190	1336	.059	.107	.436	-.268	190	1409	-.427	.073	-.189	-.755	190	1459	-.479	.141	-.155	-1.623
190	1337	.319	.132	.896	-.042	190	1410	-.448	.074	-.239	-.707	190	1460	-.488	.148	-.162	-1.517
190	1338	.354	.136	.958	-.005	190	1411	-.422	.067	-.241	-.638	190	1461	-.333	.080	.049	-.671
190	1339	.352	.145	.904	-.044	190	1412	-.461	.074	-.218	-.887	190	1901	-.451	.098	-.116	-.882
190	1340	.347	.140	.878	-.021	190	1413	-.478	.084	-.230	-.835	190	1902	-.485	.086	-.234	-.922
190	1341	.347	.144	.858	-.017	190	1414	-.484	.089	-.233	-.846	190	1903	-.485	.081	-.241	-.951
190	1342	.356	.147	.929	-.037	190	1415	-.422	.072	-.218	-.666	190	1904	-.500	.116	-.089	-1.042
190	1343	.305	.148	1.094	-.079	190	1416	-.432	.069	-.223	-.716	190	1905	-.506	.092	-.218	-1.320
190	1344	.149	.121	.757	-.194	190	1417	-.443	.067	-.245	-.704	190	1906	-.499	.080	-.252	-1.161
190	1345	.017	.103	.537	-.279	190	1418	-.456	.070	-.253	-.745	190	1907	-.515	.112	-.207	-1.493
190	1346	.264	.116	.742	.012	190	1419	-.476	.078	-.244	-.943	190	1908	-.505	.093	-.232	-1.231
190	1347	.288	.118	.790	-.025	190	1420	-.493	.095	-.249	-.870	190	1909	-.487	.089	-.161	-.832
190	1348	.300	.117	.770	.005	190	1421	-.505	.098	-.260	-.893	190	1910	-.322	.086	-.021	-.659
190	1349	.293	.116	.803	.027	190	1422	-.396	.074	-.189	-.657	190	1911	-.314	.083	-.035	-.667
190	1350	.294	.118	.814	.026	190	1423	-.406	.072	-.187	-.656	190	2101	-.360	.128	.077	-1.299
190	1351	.299	.132	1.057	-.060	190	1424	-.414	.078	-.215	-.678	190	2102	-.355	.126	.109	-.934
190	1352	.239	.127	.976	-.177	190	1425	-.438	.082	-.245	-.719	190	2103	-.342	.138	.128	-1.352
190	1353	.101	.109	.619	-.251	190	1426	-.469	.090	-.253	-.862	190	2104	-.356	.145	.061	-1.067
190	1354	-.030	.094	.455	-.330	190	1427	-.509	.107	-.258	-.947	190	2105	-.394	.143	.073	-1.214
190	1355	.198	.101	.636	-.055	190	1428	-.539	.116	-.286	-1.150	190	2106	-.391	.133	.032	-1.245
190	1356	.223	.103	.651	-.030	190	1429	-.403	.070	-.154	-.757	190	2107	-.357	.105	-.075	-.981
190	1357	.220	.102	.652	-.029	190	1430	-.405	.071	-.178	-.752	190	2108	-.354	.107	-.010	-.962
190	1358	.233	.104	.613	-.018	190	1431	-.422	.073	-.185	-.750	190	2109	-.327	.103	.003	-1.128
190	1359	.233	.104	.641	-.047	190	1432	-.443	.074	-.232	-.726	190	2110	-.346	.103	.129	-1.056
190	1360	.227	.112	.699	-.076	190	1433	-.484	.085	-.252	-.828	190	2111	-.349	.094	.041	-.977
190	1361	.175	.103	.605	-.118	190	1434	-.542	.113	-.265	-1.002	190	2112	-.351	.092	.000	-.915
190	1362	.036	.087	.401	-.244	190	1435	-.558	.121	-.265	-1.144	190	2113	-.327	.088	.021	-1.019
190	1363	-.071	.086	.340	-.342	190	1436	-.409	.081	-.174	-.704	190	2114	-.322	.076	.024	-.821
190	1364	.183	.075	.553	-.063	190	1437	-.412	.080	-.182	-.694	190	2115	-.317	.074	-.151	-.728
190	1365	.226	.096	.651	.013	190	1438	-.424	.082	-.184	-.733	190	2116	-.310	.078	-.130	-.775
190	1366	.211	.096	.678	-.023	190	1439	-.451	.082	-.225	-.747	190	2117	-.303	.070	-.095	-.782
190	1367	.175	.099	.634	-.064	190	1440	-.490	.089	-.274	-.858	190	2118	-.305	.070	-.099	-.831
190	1368	-.094	.079	.267	-.404	190	1441	-.575	.127	-.280	-1.143	190	2119	-.312	.078	-.122	-.997
190	1369	.277	.110	.723	-.038	190	1442	-.598	.144	-.274	-1.337	190	2120	-.306	.064	-.117	-.807
190	1370	.290	.113	.760	.012	190	1443	-.430	.082	-.220	-.783	190	2121	-.299	.062	-.102	-.721
190	1371	.304	.121	.826	.013	190	1444	-.430	.084	-.201	-.824	190	2122	-.295	.070	-.045	-.865
190	1372	.305	.125	.896	.020	190	1445	-.438	.086	-.196	-.823	190	2123	-.287	.064	-.102	-.632
190	1373	.312	.127	.973	.018	190	1446	-.454	.091	-.206	-.851	190	2124	-.288	.064	-.110	-.631
190	1374	.285	.120	.835	-.002	190	1447	-.468	.101	-.242	-.908	190	2125	-.317	.074	-.024	-.936
190	1375	.248	.119	.799	-.023	190	1448	-.531	.140	-.206	-1.191	190	2126	-.312	.064	-.067	-.956
190	1376	.077	.079	.431	-.136	190	1449	-.555	.161	-.229	-1.392	190	2127	-.304	.059	-.140	-.681
190	1377	-.038	.066	.240	-.265	190	1450	-.422	.091	-.165	-.805	190	2128	-.296	.065	-.137	-.677
190	1401	-.432	.074	-.213	-.727	190	1451	-.409	.083	-.215	-.754	190	2129	-.287	.062	-.097	-.633
190	1402	-.419	.073	-.179	-.696	190	1452	-.461	.107	-.209	-1.031	190	2130	-.287	.061	-.121	-.597
190	1403	-.447	.078	-.210	-.774	190	1453	-.539	.175	-.208	-1.560	190	2131	-.336	.078	-.115	-.912
190	1404	-.458	.076	-.187	-.746	190	1454	-.423	.100	-.165	-.856	190	2132	-.331	.069	-.153	-.864
190	1405	-.466	.092	-.108	-.911	190	1455	-.426	.095	-.200	-.937	190	2133	-.316	.056	-.149	-.690
190	1406	-.468	.106	-.189	-1.154	190	1456	-.436	.093	-.228	-.883	190	2134	-.309	.059	-.136	-.617
190	1407	-.454	.102	-.173	-.961	190	1457	-.436	.095	-.220	-.863	190	2135	-.302	.057	-.140	-.563

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
190	2136	-.301	.058	-.135	-.565
190	2137	-.340	.076	-.161	-.922
190	2138	-.337	.068	-.173	-.872
190	2139	-.325	.057	-.169	-.630
190	2140	-.320	.055	-.158	-.547
190	2141	-.308	.053	-.161	-.543
190	2142	-.309	.053	-.163	-.541
190	2143	-.346	.084	-.065	-1.214
190	2144	-.323	.057	-.197	-.688
190	2145	-.325	.059	-.185	-.839
190	2146	-.321	.056	-.170	-.681
190	2147	-.324	.060	-.169	-.952
190	2148	-.321	.058	-.176	-.800
190	2149	-.328	.060	-.180	-.669
190	2150	-.346	.088	-.072	-1.223
190	2151	-.342	.083	-.066	-1.145
190	2152	-.335	.066	-.085	-.862
190	2153	-.326	.057	-.161	-.778
190	2154	-.323	.057	-.149	-.726
190	2155	-.321	.057	-.151	-.695
190	2201	-.344	.115	.173	-.863
190	2202	-.339	.119	.115	-.757
190	2203	-.329	.115	.211	-.923
190	2204	-.250	.105	.151	-.789
190	2205	-.038	.114	.663	-.529
190	2206	.294	.148	.849	-.148
190	2207	.440	.171	1.009	-.072
190	2208	-.347	.092	.019	-.809
190	2209	-.344	.087	-.018	-.703
190	2210	-.323	.095	.025	-.682
190	2211	-.204	.111	.192	-.724
190	2212	.147	.144	.574	-.465
190	2213	.527	.189	1.157	-.259
190	2214	.557	.188	1.164	-.163
190	2215	-.326	.077	-.104	-.722
190	2216	-.331	.078	-.108	-.758
190	2217	-.341	.098	-.038	-.747
190	2218	-.235	.119	.165	-.648
190	2219	.086	.157	.624	-.565
190	2220	.510	.191	1.134	-.486
190	2221	.527	.188	1.146	-.426
190	2222	-.317	.078	-.065	-.739
190	2223	-.335	.088	-.015	-.752
190	2224	-.360	.116	.025	-.812
190	2225	-.255	.125	.193	-.787
190	2226	.068	.146	.538	-.561
190	2227	.458	.182	1.164	-.357
190	2228	.487	.181	1.124	-.332
190	2229	-.315	.075	-.084	-.681
190	2230	-.339	.087	-.051	-.802
190	2231	-.363	.116	.047	-.811
190	2232	-.265	.120	.145	-.725
190	2233	.032	.147	.579	-.634
190	2234	.374	.181	.976	-.395
190	2235	.400	.183	1.087	-.314
190	2236	-.322	.065	-.110	-.753
190	2237	-.336	.073	-.084	-.684
190	2238	-.358	.098	-.027	-.797
190	2239	-.258	.113	.108	-.777
190	2240	.020	.128	.439	-.481
190	2241	.330	.156	1.273	-.234
190	2242	.341	.162	1.383	-.263
190	2243	-.332	.055	-.168	-.542
190	2244	-.326	.060	-.157	-.590
190	2245	-.325	.075	-.040	-.701
190	2246	-.233	.085	.085	-.567
190	2247	.017	.102	.473	-.357
190	2248	.284	.133	.779	-.337
190	2249	.289	.132	.755	-.229
190	2250	-.337	.054	-.165	-.563
190	2251	-.329	.073	-.086	-.624
190	2252	.038	.097	.372	-.328
190	2253	.222	.134	.829	-.195
190	2254	-.314	.058	-.138	-.587
190	2255	-.304	.054	-.163	-.569
190	2256	-.315	.060	-.110	-.609
190	2257	-.296	.076	-.023	-.715
190	2258	-.218	.087	.065	-.683
190	2259	.039	.098	.428	-.282
190	2260	.198	.147	1.084	-.205
190	2261	.144	.147	.991	-.406
190	2301	-.723	.183	-.298	-2.436
190	2302	-.722	.191	-.178	-1.895
190	2303	-.615	.185	-.022	-1.418
190	2304	-.633	.173	-.114	-1.378
190	2305	-.590	.188	.101	-1.449
190	2306	-.475	.277	.656	-1.676
190	2307	-.527	.196	.126	-1.349
190	2308	-.425	.160	.267	-1.234
190	2309	-.423	.155	.165	-1.204
190	2310	-.772	.359	.072	-2.100
190	2311	-.778	.237	-.075	-1.772
190	2312	-.674	.204	-.077	-1.521
190	2313	-.621	.188	-.070	-1.508
190	2314	-.585	.174	.027	-1.277
190	2315	-.596	.199	.142	-1.407
190	2316	-.556	.192	.162	-1 373
190	2317	-.422	.155	.151	-1.052
190	2318	-.416	.155	.078	-1.141
190	2319	-.625	.186	.077	-1.874
190	2320	-.649	.199	-.063	-1.914
190	2321	-.688	.251	.041	-1.987
190	2322	-.616	.212	.060	-1.617
190	2323	-.607	.206	.154	-1.334
190	2324	-.624	.241	.194	-1.816
190	2325	-.563	.217	.257	-1.520
190	2326	-.476	.202	.181	-1.342
190	2327	-.481	.220	.174	-1.416
190	2328	-.632	.207	-.110	-1.749
190	2329	-.643	.218	-.100	-2.029
190	2330	-.674	.270	.115	-2.221
190	2331	-.612	.218	.136	-1.699
190	2332	-.606	.210	.230	-1.565
190	2333	-.630	.254	.188	-1.747
190	2334	-.577	.230	.314	-1.571
190	2335	-.479	.222	.281	-1.250
190	2336	-.484	.235	.240	-1.651
190	2337	-.673	.209	-.022	-1.818
190	2338	-.680	.210	-.022	-1.827
190	2339	-.724	.281	.023	-2.236
190	2340	-.644	.229	.047	-2.024
190	2341	-.620	.226	.138	-1.544
190	2342	-.642	.257	.275	-1.836
190	2343	-.577	.243	.271	-1.672
190	2344	-.469	.221	.405	-2.003
190	2345	-.486	.249	.250	-1.794
190	2346	-.677	.199	-.205	-1.859
190	2347	-.695	.211	-.212	-1.969
190	2348	-.707	.260	.038	-1.928
190	2349	-.625	.219	-.061	-1.537
190	2350	-.606	.201	.172	-1.387
190	2351	-.622	.254	.165	-1.784
190	2352	-.568	.223	.316	-1.496
190	2353	-.480	.194	.080	-1.446
190	2354	-.478	.200	.008	-1.384
190	2355	-.666	.224	-.105	-3.342
190	2356	-.676	.225	-.098	-1.978
190	2357	-.671	.262	.048	-2.731
190	2358	-.612	.211	-.004	-2.091
190	2359	-.580	.189	.049	-1.266
190	2360	-.595	.250	.265	-1.870
190	2361	-.529	.202	-.005	-1.634
190	2362	-.431	.148	-.012	-1.146
190	2363	-.437	.146	-.004	-1.225
190	2364	-.675	.223	-.148	-2.228
190	2365	-.705	.288	-.115	-2.405
190	2366	-.608	.221	-.133	-1.792
190	2367	-.476	.189	.115	-1.311
190	2368	-.410	.126	-.079	-1.026
190	2369	-.624	.223	-.061	-1.918

APPENDIX A -- PRESSURE DATA ; CONFIGURATION A ; GATEWAY PROJECT TOWERS

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
190	2370	-.632	.227	-.065	-2.018
190	2371	-.599	.260	-.027	-2.020
190	2372	-.518	.188	-.074	-1.508
190	2373	-.457	.155	.046	-1.279
190	2374	-.459	.198	.167	-1.508
190	2375	-.374	.147	.138	-1.012
190	2376	-.334	.089	-.025	-.886
190	2377	-.352	.089	-.022	-.690
190	2401	-.455	.173	.035	-1.427
190	2402	-.431	.169	.120	-1.515
190	2403	-.385	.152	.099	-1.262
190	2404	-.369	.130	.046	-1.088
190	2405	-.363	.128	.039	-1.255
190	2406	-.382	.140	-.032	-1.426
190	2407	-.388	.141	-.017	-1.136
190	2408	-.433	.153	-.003	-1.296
190	2409	-.412	.141	-.004	-.975
190	2410	-.392	.135	.053	-1.053
190	2411	-.384	.123	.043	-.998
190	2412	-.373	.110	-.058	-.961
190	2413	-.398	.124	-.055	-1.508
190	2414	-.403	.140	-.120	-1.171
190	2415	-.439	.169	.055	-1.812
190	2416	-.406	.148	.007	-1.104
190	2417	-.380	.128	-.008	-1.005
190	2418	-.373	.107	-.067	-1.007
190	2419	-.362	.096	-.130	-.907
190	2420	-.364	.105	-.095	-1.000
190	2421	-.384	.123	-.091	-1.205
190	2422	-.440	.179	.110	-1.310
190	2423	-.417	.167	.089	-1.193
190	2424	-.383	.139	.086	-.963
190	2425	-.360	.109	.016	-.885
190	2426	-.354	.088	-.090	-.796
190	2427	-.343	.098	-.126	-1.008
190	2428	-.351	.118	-.127	-1.109
190	2429	-.409	.176	.001	-1.256
190	2430	-.387	.160	.043	-1.242
190	2431	-.363	.137	.034	-1.094
190	2432	-.351	.106	-.063	-.867
190	2433	-.357	.091	-.104	-.885
190	2434	-.346	.095	-.137	-.940
190	2435	-.355	.116	-.118	-1.097
190	2436	-.455	.172	-.032	-1.925
190	2437	-.445	.168	.030	-1.215
190	2438	-.421	.148	-.020	-1.295
190	2439	-.394	.121	-.063	-1.085
190	2440	-.350	.092	-.079	-1.146
190	2441	-.342	.090	-.009	-.956
190	2442	-.357	.114	-.126	-1.046

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
190	2443	-.480	.166	-.101	-1.353
190	2444	-.462	.161	-.040	-1.212
190	2445	-.429	.146	-.084	-1.476
190	2446	-.395	.109	-.109	-1.124
190	2447	-.358	.081	-.130	-.789
190	2448	-.344	.079	-.155	-.963
190	2449	-.349	.088	-.117	-1.029
190	2450	-.455	.150	-.034	-1.249
190	2451	-.383	.106	-.074	-.964
190	2452	-.321	.072	-.137	-.880
190	2453	-.316	.072	-.079	-.810
190	2454	-.323	.069	-.150	-.665
190	2455	-.443	.158	-.008	-1.499
190	2456	-.404	.128	-.019	-1.152
190	2457	-.339	.084	-.004	-.716
190	2458	-.318	.071	-.084	-.609
190	2459	-.309	.064	-.086	-.650
190	2460	-.306	.072	-.101	-.815
190	2461	-.310	.064	-.126	-.639
190	2901	-.206	.150	.388	-.853
190	2902	-.265	.169	.473	-.936
190	2903	-.452	.178	.350	-1.120
190	2904	-.291	.150	.262	-.910
190	2905	-.519	.164	.090	-1.209
190	2906	-.556	.122	-.072	-1.005
190	2907	-.493	.182	-.055	-1.576
190	2908	-.565	.119	-.146	-1.027
190	2909	-.590	.115	-.246	-1.059
190	2910	-.326	.056	-.165	-.677
190	2911	-.320	.055	-.156	-.693
200	1101	-.464	.101	-.111	-.889
200	1102	-.446	.089	-.085	-.793
200	1103	-.430	.085	-.087	-.742
200	1104	-.399	.082	-.094	-.711
200	1105	-.357	.076	-.021	-.681
200	1106	-.347	.081	-.043	-.700
200	1107	-.460	.088	-.218	-.803
200	1108	-.438	.079	-.178	-.736
200	1109	-.398	.073	-.180	-.655
200	1110	-.367	.070	-.154	-.645
200	1111	-.344	.067	-.140	-.626
200	1112	-.340	.073	-.108	-.613
200	1113	-.453	.085	-.173	-.762
200	1114	-.426	.079	-.172	-.692
200	1115	-.381	.071	-.157	-.645
200	1116	-.327	.062	-.110	-.646
200	1117	-.296	.058	-.097	-.516
200	1118	-.288	.061	-.035	-.513
200	1119	-.445	.095	-.120	-.891
200	1120	-.398	.088	-.115	-.723

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
200	1121	-.328	.071	-.071	-.536
200	1122	-.282	.060	-.012	-.463
200	1123	-.260	.059	-.045	-.485
200	1124	-.258	.061	.005	-.500
200	1125	-.447	.094	-.175	-.746
200	1126	-.404	.081	-.131	-.692
200	1127	-.326	.065	-.106	-.614
200	1128	-.288	.059	-.045	-.468
200	1129	-.255	.060	.020	-.475
200	1130	-.254	.059	-.004	-.474
200	1131	-.429	.092	-.104	-.829
200	1132	-.389	.081	-.103	-.746
200	1133	-.329	.076	-.058	-.698
200	1134	-.297	.069	-.012	-.581
200	1135	-.267	.069	.013	-.616
200	1136	-.275	.069	.002	-.544
200	1137	-.441	.098	-.159	-.819
200	1138	-.387	.088	-.008	-.741
200	1139	-.333	.079	-.038	-.591
200	1140	-.310	.078	-.040	-.567
200	1141	-.302	.076	-.074	-.584
200	1142	-.303	.073	-.038	-.548
200	1143	-.421	.089	-.064	-.786
200	1144	-.339	.081	-.040	-.697
200	1145	-.320	.080	-.007	-.778
200	1146	-.302	.074	.060	-.648
200	1147	-.421	.090	-.004	-.889
200	1148	-.390	.075	-.013	-.706
200	1149	-.354	.070	-.048	-.648
200	1150	-.333	.076	.026	-.673
200	1151	-.322	.083	.025	-.599
200	1152	-.344	.077	.061	-.900
200	1153	-.303	.078	-.035	-.902
200	1154	-.295	.082	.007	-.629
200	1155	-.280	.084	-.019	-.759
200	1201	-.169	.079	.173	-.449
200	1202	-.114	.081	.234	-.437
200	1203	-.046	.092	.370	-.350
200	1204	.010	.099	.438	-.290
200	1205	.019	.107	.469	-.429
200	1206	.029	.116	.552	-.491
200	1207	.102	.143	.640	-.592
200	1208	-.202	.070	.069	-.457
200	1209	-.018	.083	.358	-.333
200	1210	.202	.115	.601	-.137
200	1211	.297	.133	.761	-.082
200	1212	.365	.145	.859	-.029
200	1213	.418	.169	.974	-.118
200	1214	.416	.172	1.028	-.182
200	1215	-.154	.063	.158	-.408

APPENDIX A -- PRESSURE DATA ;   CONFIGURATION A : GATEWAY PROJECT TOWERS

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
200	1216	-.013	.068	.258	-.248
200	1217	.192	.099	.583	-.064
200	1218	.303	.120	.761	.012
200	1219	.377	.138	.885	.034
200	1220	.450	.163	.948	-.033
200	1221	.441	.173	.963	-.087
200	1222	-.133	.056	.151	-.380
200	1223	.007	.067	.336	-.210
200	1224	.181	.093	.518	-.080
200	1225	.280	.110	.690	-.014
200	1226	.352	.127	.827	.021
200	1227	.389	.150	.904	-.188
200	1228	.358	.155	.896	-.310
200	1229	-.141	.057	.090	-.343
200	1230	-.024	.065	.272	-.231
200	1231	.138	.087	.498	-.056
200	1232	.255	.108	.681	.018
200	1233	.319	.122	.778	.038
200	1234	.354	.146	.863	-.200
200	1235	.341	.161	.890	-.173
200	1236	-.202	.064	.039	-.436
200	1237	-.049	.062	.236	-.237
200	1238	.106	.079	.450	-.069
200	1239	.174	.090	.600	-.037
200	1240	.226	.102	.734	-.033
200	1241	.243	.115	.719	-.111
200	1242	.226	.127	.750	-.198
200	1243	-.180	.073	.124	-.492
200	1244	-.044	.062	.218	-.271
200	1245	.085	.064	.469	-.101
200	1246	.143	.071	.556	-.028
200	1247	.163	.074	.553	-.030
200	1248	.152	.085	.488	-.155
200	1249	.125	.090	.511	-.170
200	1250	-.191	.067	.055	-.529
200	1251	.102	.068	.443	-.063
200	1252	.180	.075	.481	-.016
200	1253	.147	.077	.469	-.180
200	1254	-.115	.057	.080	-.331
200	1255	.010	.060	.233	-.201
200	1256	.167	.083	.603	-.028
200	1257	.239	.095	.694	.021
200	1258	.262	.100	.727	.024
200	1259	.246	.098	.717	-.014
200	1260	.204	.098	.693	-.140
200	1301	.266	.147	.801	-.185
200	1302	.239	.144	.797	-.189
200	1303	.186	.135	.756	-.231
200	1304	.117	.118	.517	-.216
200	1305	.102	.116	.602	-.225

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
200	1306	.155	.132	.685	-.265
200	1307	.183	.137	.636	-.215
200	1308	.098	.127	.521	-.259
200	1309	.003	.107	.446	-.320
200	1310	.470	.171	1.172	-.106
200	1311	.481	.173	1.204	-.105
200	1312	.420	.166	1.040	-.090
200	1313	.385	.156	.933	-.056
200	1314	.406	.156	.892	-.014
200	1315	.481	.173	1.088	-.006
200	1316	.366	.159	.869	-.095
200	1317	.191	.135	.619	-.197
200	1318	-.012	.097	.402	-.287
200	1319	.483	.166	1.006	.049
200	1320	.492	.161	1.046	.097
200	1321	.461	.165	1.080	-.014
200	1322	.437	.153	1.012	.055
200	1323	.418	.157	.932	.010
200	1324	.455	.163	1.189	-.004
200	1325	.333	.155	.834	-.092
200	1326	.119	.118	.625	-.261
200	1327	-.034	.091	.335	-.341
200	1328	.402	.145	1.006	-.044
200	1329	.409	.146	1.034	.037
200	1330	.376	.141	.913	.032
200	1331	.375	.135	.806	.082
200	1332	.371	.132	.810	.087
200	1333	.436	.156	.970	-.000
200	1334	.285	.131	.837	-.014
200	1335	.089	.106	.564	-.202
200	1336	-.052	.084	.310	-.309
200	1337	.338	.139	.885	-.152
200	1338	.348	.138	.948	-.086
200	1339	.326	.132	.954	-.028
200	1340	.309	.126	.875	-.027
200	1341	.306	.128	.879	-.017
200	1342	.348	.140	1.084	-.028
200	1343	.235	.137	.808	-.079
200	1344	.074	.103	.557	-.208
200	1345	-.057	.086	.368	-.331
200	1346	.257	.131	.822	-.230
200	1347	.243	.121	.675	-.343
200	1348	.235	.115	.660	-.025
200	1349	.226	.114	.642	-.027
200	1350	.223	.115	.649	-.046
200	1351	.278	.130	.845	-.060
200	1352	.182	.118	.625	-.225
200	1353	.036	.095	.508	-.335
200	1354	-.091	.080	.362	-.414
200	1355	.171	.092	.579	-.213

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
200	1356	.187	.092	.595	-.092
200	1357	.180	.101	.721	-.048
200	1358	.176	.099	.624	-.109
200	1359	.180	.110	.736	-.058
200	1360	.187	.113	.787	-.081
200	1361	.111	.116	.636	-.169
200	1362	-.020	.096	.369	-.267
200	1363	-.135	.082	.223	-.382
200	1364	.172	.087	.612	-.175
200	1365	.203	.095	.667	-.048
200	1366	.160	.096	.605	-.081
200	1367	.111	.105	.666	-.108
200	1368	-.144	.073	.296	-.386
200	1369	.267	.116	.796	-.073
200	1370	.278	.116	.840	-.053
200	1371	.260	.121	.883	-.007
200	1372	.246	.118	1.023	-.007
200	1373	.257	.122	.935	.003
200	1374	.240	.116	.885	-.008
200	1375	.199	.129	.840	-.089
200	1376	.042	.091	.449	-.195
200	1377	-.067	.077	.316	-.322
200	1401	-.441	.069	-.227	-.744
200	1402	-.432	.078	-.177	-.803
200	1403	-.469	.078	-.229	-.964
200	1404	-.480	.082	-.225	-.834
200	1405	-.465	.099	-.171	-1.006
200	1406	-.477	.101	-.127	-1.039
200	1407	-.463	.103	-.066	-.900
200	1408	-.440	.067	-.218	-.727
200	1409	-.448	.072	-.224	-.836
200	1410	-.453	.067	-.241	-.737
200	1411	-.457	.076	-.211	-.727
200	1412	-.455	.074	-.234	-.728
200	1413	-.470	.086	-.228	-.849
200	1414	-.482	.092	-.223	-.859
200	1415	-.420	.067	-.214	-.675
200	1416	-.431	.074	-.205	-.692
200	1417	-.440	.073	-.223	-.697
200	1418	-.454	.075	-.249	-.737
200	1419	-.461	.079	-.211	-.755
200	1420	-.496	.098	-.222	-1.033
200	1421	-.510	.103	-.205	-1.020
200	1422	-.415	.071	-.205	-.642
200	1423	-.414	.070	-.190	-.682
200	1424	-.434	.072	-.242	-.672
200	1425	-.451	.072	-.260	-.671
200	1426	-.467	.078	-.271	-.820
200	1427	-.516	.111	-.167	-1.032
200	1428	-.559	.114	-.227	-1.192

APPENDIX A -- PRESSURE DATA ; CONFIGURATION A : GATEWAY PROJECT TOWL

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
200	1429	-.412	.068	-.205	-.671
200	1430	-.418	.069	-.212	-.685
200	1431	-.438	.069	-.225	-.708
200	1432	-.452	.079	-.254	-.839
200	1433	-.471	.085	-.283	-.890
200	1434	-.541	.124	-.244	-1.133
200	1435	-.569	.136	-.228	-1.212
200	1436	-.396	.072	-.215	-.716
200	1437	-.395	.070	-.213	-.709
200	1438	-.412	.072	-.244	-.715
200	1439	-.438	.080	-.239	-.700
200	1440	-.459	.076	-.256	-.754
200	1441	-.524	.107	-.110	-.995
200	1442	-.558	.125	-.050	-1.142
200	1443	-.396	.070	-.209	-.659
200	1444	-.402	.080	-.201	-.737
200	1445	-.413	.081	-.203	-.760
200	1446	-.433	.085	-.198	-.818
200	1447	-.457	.093	-.224	-.909
200	1448	-.514	.123	-.233	-1.148
200	1449	-.542	.147	-.226	-1.391
200	1450	-.404	.081	-.205	-.730
200	1451	-.417	.082	-.179	-.903
200	1452	-.465	.098	-.230	-.956
200	1453	-.550	.162	-.208	-1.663
200	1454	-.415	.089	-.195	-.764
200	1455	-.408	.085	-.135	-.803
200	1456	-.412	.082	-.166	-.796
200	1457	-.417	.087	-.196	-.967
200	1458	-.442	.094	-.221	-.942
200	1459	-.493	.122	-.180	-1.079
200	1460	-.507	.132	-.184	-1.155
200	1461	-.336	.081	-.000	-.618
200	1901	-.481	.105	-.145	-.963
200	1902	-.495	.093	-.222	-.871
200	1903	-.493	.088	-.234	-.834
200	1904	-.533	.123	-.183	-1.077
200	1905	-.503	.103	-.213	-1.063
200	1906	-.486	.090	-.232	-.903
200	1907	-.523	.123	-.125	-1.094
200	1908	-.507	.101	-.181	-1.022
200	1909	-.488	.092	-.185	-.808
200	1910	-.342	.077	-.035	-.679
200	1911	-.329	.077	-.012	-.624
200	2101	-.343	.131	.149	-1.397
200	2102	-.343	.135	.244	-1.155
200	2103	-.337	.150	.142	-1.071
200	2104	-.340	.146	.169	-1.096
200	2105	-.402	.179	.113	-1.345
200	2106	-.455	.220	.111	-2.078

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
200	2107	-.338	.103	.124	-.773
200	2108	-.320	.102	.054	-.823
200	2109	-.335	.111	.040	-.758
200	2110	-.348	.123	.036	-.963
200	2111	-.389	.152	.037	-1.201
200	2112	-.398	.151	.027	-1.260
200	2113	-.337	.097	-.083	-.958
200	2114	-.327	.083	-.107	-.740
200	2115	-.327	.075	-.140	-.730
200	2116	-.328	.084	-.131	-1.030
200	2117	-.319	.084	-.090	-.821
200	2118	-.319	.082	-.080	-.770
200	2119	-.358	.095	-.131	-.873
200	2120	-.349	.084	-.156	-.895
200	2121	-.320	.060	-.125	-.611
200	2122	-.306	.058	-.131	-.612
200	2123	-.299	.061	-.122	-.565
200	2124	-.301	.061	-.120	-.577
200	2125	-.366	.090	-.151	-.942
200	2126	-.355	.080	-.172	-.883
200	2127	-.335	.062	-.162	-.748
200	2128	-.325	.060	-.167	-.721
200	2129	-.314	.060	-.132	-.667
200	2130	-.312	.059	-.124	-.622
200	2131	-.374	.091	-.120	-.891
200	2132	-.368	.081	-.160	-.760
200	2133	-.345	.069	.066	-.639
200	2134	-.336	.065	-.170	-.627
200	2135	-.333	.068	-.146	-.620
200	2136	-.333	.068	-.138	-.672
200	2137	-.388	.118	-.011	-1.467
200	2138	-.381	.104	-.003	-1.019
200	2139	-.377	.088	-.076	-1.008
200	2140	-.378	.085	-.136	-.987
200	2141	-.344	.070	-.160	-.646
200	2142	-.342	.069	-.151	-.639
200	2143	-.383	.111	-.055	-1.147
200	2144	-.354	.080	-.023	-.816
200	2145	-.347	.072	-.069	-.746
200	2146	-.344	.071	-.167	-.910
200	2147	-.345	.071	.032	-.726
200	2148	-.346	.071	-.178	-.737
200	2149	-.352	.078	-.179	-.760
200	2150	-.358	.113	.007	-1.023
200	2151	-.352	.109	.004	-1.060
200	2152	-.348	.085	.009	-.836
200	2153	-.346	.077	-.118	-.874
200	2154	-.343	.075	-.170	-.750
200	2155	-.342	.074	-.172	-.717
200	2201	-.338	.165	.556	-1.089

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
200	2202	-.316	.162	.541	-1.060
200	2203	-.319	.140	.488	-1.256
200	2204	-.296	.121	.205	-.872
200	2205	-.124	.146	.378	-.732
200	2206	.280	.185	.851	-.484
200	2207	.463	.203	1.223	-.449
200	2208	-.378	.122	.171	-.974
200	2209	-.350	.106	.204	-.778
200	2210	-.362	.102	.042	-.800
200	2211	-.348	.105	.040	-.772
200	2212	-.092	.172	.406	-.731
200	2213	.420	.255	1.147	-.715
200	2214	.519	.235	1.207	-1.111
200	2215	-.353	.083	-.138	-.809
200	2216	-.372	.081	-.141	-.755
200	2217	-.413	.092	-.102	-.778
200	2218	-.393	.108	.064	-.814
200	2219	-.215	.176	.371	-.875
200	2220	.302	.267	1.045	-.755
200	2221	.407	.260	1.227	-.755
200	2222	-.343	.067	-.136	-.643
200	2223	-.366	.074	-.094	-.704
200	2224	-.412	.100	-.055	-.888
200	2225	-.389	.114	.034	-.849
200	2226	-.215	.179	.335	-.802
200	2227	.219	.271	1.031	-.697
200	2228	.314	.291	1.152	-.831
200	2229	-.350	.066	-.169	-.593
200	2230	-.376	.075	-.152	-.719
200	2231	-.416	.097	-.080	-.850
200	2232	-.380	.113	-.024	-.933
200	2233	-.179	.169	.431	-.689
200	2234	.219	.255	.950	-.630
200	2235	.305	.259	1.164	-.694
200	2236	-.366	.073	-.131	-.767
200	2237	-.386	.078	-.141	-.733
200	2238	-.417	.100	-.076	-.861
200	2239	-.367	.108	-.005	-.857
200	2240	-.171	.150	.348	-.753
200	2241	.188	.207	.899	-.632
200	2242	.256	.214	1.024	-.713
200	2243	-.366	.071	-.195	-.752
200	2244	-.379	.070	-.157	-.679
200	2245	-.395	.084	-.114	-.746
200	2246	-.342	.094	-.046	-.735
200	2247	-.126	.127	.302	-.529
200	2248	.186	.177	.728	-.629
200	2249	.231	.181	.869	-.723
200	2250	-.365	.068	-.143	-.697
200	2251	-.373	.082	-.124	-.752

APPENDIX A -- PRESSURE DATA ;   CONFIGURATION A : GATEWAY PROJECT TOWERS

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
200	2252	-.079	.116	.324	-.482	200	2341	-.451	.163	.010	-1.210	200	2414	-.392	.147	-.072	-1.401
200	2253	.194	.161	.892	-.400	200	2342	-.465	.176	.131	-1.333	200	2415	-.367	.122	.015	-.886
200	2254	-.357	.072	-.168	-.811	200	2343	-.439	.170	.133	-1.219	200	2416	-.357	.103	-.029	-.776
200	2255	-.349	.064	-.170	-.603	200	2344	-.419	.171	.227	-1.192	200	2417	-.336	.092	-.012	-.719
200	2256	-.366	.073	-.169	-.715	200	2345	-.436	.189	.056	-1.271	200	2418	-.329	.077	-.085	-.652
200	2257	-.363	.085	-.139	-.723	200	2346	-.489	.160	-.123	-1.456	200	2419	-.326	.074	-.136	-.637
200	2258	-.308	.089	-.019	-.704	200	2347	-.506	.160	-.127	-1.904	200	2420	-.329	.098	-.130	-1.134
200	2259	-.043	.092	.316	-.493	200	2348	-.517	.196	-.027	-1.866	200	2421	-.344	.113	-.086	-1.089
200	2260	.203	.147	.796	-.300	200	2349	-.463	.149	.034	-1.268	200	2422	-.375	.130	.033	-.880
200	2261	.185	.154	.970	-.272	200	2350	-.471	.149	.070	-1.241	200	2423	-.356	.118	.048	-.769
200	2301	-.485	.126	-.169	-1.062	200	2351	-.492	.174	.035	-1.512	200	2424	-.336	.093	-.045	-.716
200	2302	-.490	.135	-.115	-1.302	200	2352	-.463	.162	.017	-1.481	200	2425	-.324	.076	-.089	-.658
200	2303	-.466	.138	-.029	-1.329	200	2353	-.422	.152	.062	-1.229	200	2426	-.311	.063	-.122	-.587
200	2304	-.446	.131	-.063	-1.278	200	2354	-.418	.167	.028	-1.196	200	2427	-.291	.065	-.094	-.687
200	2305	-.441	.135	.090	-1.134	200	2355	-.512	.174	-.120	-1.809	200	2428	-.292	.070	-.064	-.718
200	2306	-.451	.151	.142	-1.276	200	2356	-.513	.175	-.130	-1.686	200	2429	-.388	.149	.017	-1.036
200	2307	-.426	.148	.120	-1.082	200	2357	-.508	.182	-.068	-1.544	200	2430	-.369	.131	.044	-.987
200	2308	-.382	.143	.218	-1.120	200	2358	-.471	.156	-.080	-1.226	200	2431	-.349	.107	.015	-.845
200	2309	-.387	.151	.194	-1.126	200	2359	-.462	.153	.047	-1.269	200	2432	-.336	.086	-.079	-.728
200	2310	-.504	.262	.089	-1.510	200	2360	-.473	.175	.141	-1.663	200	2433	-.307	.067	-.074	-.635
200	2311	-.515	.160	-.053	-1.170	200	2361	-.454	.152	.003	-1.571	200	2434	-.290	.066	-.095	-.666
200	2312	-.450	.137	-.058	-1.140	200	2362	-.403	.132	-.045	-.950	200	2435	-.290	.075	-.080	-.929
200	2313	-.425	.121	.003	-.895	200	2363	-.404	.134	-.052	-.922	200	2436	-.383	.140	.072	-1.183
200	2314	-.433	.127	-.019	-1.045	200	2364	-.504	.168	-.036	-1.564	200	2437	-.383	.133	.024	-1.441
200	2315	-.447	.143	.030	-1.125	200	2365	-.509	.190	-.043	-1.865	200	2438	-.369	.111	-.049	-.941
200	2316	-.434	.145	.051	-1.163	200	2366	-.462	.154	-.108	-1.216	200	2439	-.356	.095	-.118	-.813
200	2317	-.392	.132	.036	-1.229	200	2367	-.436	.148	.080	-1.162	200	2440	-.327	.072	-.136	-.608
200	2318	-.397	.145	.079	-1.469	200	2368	-.365	.114	-.046	-.871	200	2441	-.314	.078	-.068	-.740
200	2319	-.444	.152	-.021	-1.313	200	2369	-.491	.186	-.041	-1.576	200	2442	-.332	.084	-.086	-.888
200	2320	-.445	.154	.089	-1.348	200	2370	-.494	.186	-.005	-1.697	200	2443	-.427	.136	-.088	-1.289
200	2321	-.464	.183	.021	-1.820	200	2371	-.479	.200	-.086	-1.578	200	2444	-.416	.141	-.097	-2.251
200	2322	-.421	.148	-.013	-1.206	200	2372	-.431	.154	-.074	-1.211	200	2445	-.397	.123	-.101	-1.412
200	2323	-.428	.149	.119	-1.114	200	2373	-.389	.124	-.072	-.951	200	2446	-.370	.098	-.072	-.950
200	2324	-.424	.149	.068	-1.082	200	2374	-.385	.149	.110	-1.125	200	2447	-.345	.077	-.110	-.821
200	2325	-.404	.139	.060	-.975	200	2375	-.343	.113	.035	-.995	200	2448	-.332	.075	-.087	-.740
200	2326	-.403	.138	.037	-.959	200	2376	-.306	.087	.022	-.684	200	2449	-.338	.080	-.065	-.778
200	2327	-.410	.157	.008	-1.192	200	2377	-.321	.091	.017	-.767	200	2450	-.382	.129	-.087	-1.097
200	2328	-.438	.149	.035	-1.379	200	2401	-.376	.140	.076	-1.096	200	2451	-.353	.096	-.127	-.845
200	2329	-.441	.148	.067	-1.205	200	2402	-.364	.139	.136	-1.032	200	2452	-.311	.068	-.146	-.899
200	2330	-.453	.177	-.006	-2.106	200	2403	-.356	.132	.131	-1.000	200	2453	-.302	.064	-.094	-.726
200	2331	-.420	.154	.037	-1.123	200	2404	-.338	.117	.120	-.995	200	2454	-.335	.075	-.121	-.910
200	2332	-.431	.158	.128	-1.246	200	2405	-.338	.112	-.017	-1.107	200	2455	-.385	.132	-.083	-1.122
200	2333	-.449	.181	.036	-1.580	200	2406	-.367	.128	-.039	-1.106	200	2456	-.362	.113	-.097	-1.061
200	2334	-.422	.166	.115	-1.204	200	2407	-.374	.128	-.032	-1.294	200	2457	-.330	.084	-.120	-.764
200	2335	-.426	.169	.107	-1.268	200	2408	-.383	.130	.003	-.988	200	2458	-.317	.073	-.148	-.620
200	2336	-.433	.184	.015	-1.351	200	2409	-.362	.114	-.015	-.867	200	2459	-.310	.066	-.120	-.757
200	2337	-.484	.167	-.041	-1.719	200	2410	-.349	.106	-.045	-.961	200	2460	-.310	.069	-.088	-.789
200	2338	-.482	.163	-.040	-1.536	200	2411	-.346	.106	-.055	-.987	200	2461	-.314	.070	-.141	-.783
200	2339	-.502	.197	.051	-1.562	200	2412	-.345	.103	-.080	-1.188	200	2901	-.180	.129	.521	-.606
200	2340	-.446	.154	-.025	-1.300	200	2413	-.380	.125	-.103	-1.298	200	2902	-.192	.136	.524	-.748

APPENDIX A -- PRESSURE DATA ;   CONFIGURATION A : GATEWAY PROJECT TOWERS

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
200	2903	-.332	.156	.349	-.785	210	1142	-.357	.070	-.115	-.580	210	1237	-.014	.071	.356	-.268
200	2904	-.240	.118	.285	-.680	210	1143	-.421	.079	-.013	-.791	210	1238	.184	.096	.626	-.027
200	2905	-.357	.162	.169	-1.250	210	1144	-.394	.075	-.098	-.634	210	1239	.264	.109	.777	.037
200	2906	-.409	.117	.140	-.982	210	1145	-.380	.073	-.121	-.622	210	1240	.295	.115	.737	-.009
200	2907	-.364	.145	.043	-1.148	210	1146	-.336	.074	-.075	-.606	210	1241	.290	.116	.739	.000
200	2908	-.442	.117	-.059	-.969	210	1147	-.426	.079	-.020	-.799	210	1242	.266	.121	.744	-.058
200	2909	-.470	.106	-.067	-1.036	210	1148	-.388	.075	-.060	-.652	210	1243	-.175	.068	.212	-.422
200	2910	-.361	.078	-.133	-1.075	210	1149	-.368	.071	-.077	-.629	210	1244	-.011	.066	.387	-.193
200	2911	-.350	.072	-.153	-.731	210	1150	-.369	.075	-.056	-.634	210	1245	.149	.083	.610	-.046
210	1101	-.452	.092	-.165	-.785	210	1151	-.363	.075	-.052	-.713	210	1246	.215	.096	.735	-.022
210	1102	-.444	.088	-.100	-.806	210	1152	-.379	.069	-.157	-.637	210	1247	.232	.100	.831	-.011
210	1103	-.423	.083	-.085	-.791	210	1153	-.342	.073	-.098	-.662	210	1248	.191	.094	.586	-.126
210	1104	-.404	.079	-.124	-.709	210	1154	-.350	.077	-.073	-.671	210	1249	.190	.092	.613	-.053
210	1105	-.375	.074	-.110	-.684	210	1155	-.330	.078	-.076	-.667	210	1250	-.198	.062	.031	-.466
210	1106	-.355	.073	-.136	-.662	210	1201	-.116	.091	.292	-.421	210	1251	.159	.075	.557	-.027
210	1107	-.442	.082	-.204	-.821	210	1202	-.036	.101	.374	-.426	210	1252	.257	.098	.659	.015
210	1108	-.421	.077	-.193	-.781	210	1203	.034	.116	.496	-.472	210	1253	.192	.084	.578	-.034
210	1109	-.394	.074	-.164	-.671	210	1204	.079	.121	.526	-.370	210	1254	-.122	.049	.120	-.280
210	1110	-.377	.070	-.153	-.675	210	1205	.074	.114	.534	-.343	210	1255	.039	.058	.325	-.145
210	1111	-.362	.068	-.159	-.635	210	1206	.084	.119	.605	-.363	210	1256	.182	.075	.586	.017
210	1112	-.351	.068	-.142	-.631	210	1207	.172	.133	.730	-.342	210	1257	.259	.090	.705	.069
210	1113	-.396	.067	-.188	-.645	210	1208	-.145	.076	.187	-.432	210	1258	.271	.096	.706	.053
210	1114	-.386	.064	-.180	-.575	210	1209	.063	.095	.568	-.255	210	1259	.236	.090	.659	.007
210	1115	-.365	.062	-.185	-.574	210	1210	.287	.125	.788	-.098	210	1260	.238	.096	.795	.029
210	1116	-.363	.060	-.174	-.565	210	1211	.377	.140	.863	-.054	210	1301	.257	.144	.737	-.204
210	1117	-.349	.061	-.162	-.570	210	1212	.430	.151	.991	-.005	210	1302	.216	.133	.666	-.189
210	1118	-.350	.062	-.154	-.575	210	1213	.464	.173	1.076	-.056	210	1303	.133	.115	.511	-.190
210	1119	-.386	.067	-.137	-.648	210	1214	.433	.179	1.038	-.096	210	1304	.040	.106	.393	-.350
210	1120	-.365	.064	-.139	-.660	210	1215	-.129	.067	.143	-.364	210	1305	.046	.112	.481	-.300
210	1121	-.342	.057	-.108	-.529	210	1216	.039	.082	.472	-.226	210	1306	.167	.148	.722	-.271
210	1122	-.337	.059	-.152	-.519	210	1217	.272	.117	.680	-.039	210	1307	.102	.129	.609	-.295
210	1123	-.328	.061	-.134	-.512	210	1218	.380	.138	.816	.035	210	1308	-.007	.103	.403	-.308
210	1124	-.339	.064	-.080	-.589	210	1219	.448	.151	.958	.078	210	1309	-.090	.093	.331	-.423
210	1125	-.387	.072	-.028	-.692	210	1220	.491	.153	1.042	.051	210	1310	.413	.170	.981	-.122
210	1126	-.365	.066	-.021	-.614	210	1221	.482	.153	1.037	.053	210	1311	.401	.163	.999	-.129
210	1127	-.344	.064	-.119	-.580	210	1222	-.131	.061	.143	-.337	210	1312	.306	.142	.902	-.065
210	1128	-.336	.067	-.077	-.572	210	1223	.040	.077	.380	-.161	210	1313	.325	.132	.800	-.044
210	1129	-.321	.062	-.130	-.551	210	1224	.255	.105	.621	-.023	210	1314	.301	.131	.761	-.095
210	1130	-.315	.062	-.106	-.542	210	1225	.361	.121	.800	.046	210	1315	.452	.173	1.115	-.133
210	1131	-.404	.074	-.166	-.688	210	1226	.413	.135	.933	.075	210	1316	.251	.136	.727	-.127
210	1132	-.383	.069	-.132	-.620	210	1227	.429	.143	.875	.095	210	1317	.075	.106	.507	-.228
210	1133	-.366	.071	-.117	-.642	210	1228	.421	.148	.946	-.079	210	1318	-.112	.081	.236	-.387
210	1134	-.351	.070	-.062	-.609	210	1229	-.140	.063	.154	-.331	210	1319	.439	.178	1.129	-.183
210	1135	-.357	.070	-.115	-.625	210	1230	.012	.074	.378	-.204	210	1320	.438	.166	1.110	-.141
210	1136	-.347	.073	-.077	-.625	210	1231	.212	.101	.752	-.052	210	1321	.372	.135	.813	-.010
210	1137	-.433	.083	-.065	-.818	210	1232	.284	.108	.767	.019	210	1322	.344	.141	.861	-.020
210	1138	-.409	.078	.069	-.679	210	1233	.334	.116	.900	.035	210	1323	.344	.133	.762	.012
210	1139	-.376	.074	.020	-.598	210	1234	.344	.124	.999	.007	210	1324	.449	.157	1.044	.054
210	1140	-.371	.072	-.136	-.596	210	1235	.332	.129	1.026	-.004	210	1325	.230	.125	.682	-.111
210	1141	-.362	.071	-.137	-.605	210	1236	-.219	.066	.139	-.439	210	1326	.013	.089	.357	-.279

APPENDIX A -- PRESSURE DATA ;   CONFIGURATION A : GATEWAY PROJECT TOWERS

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
210	1327	-.132	.073	.137	-.397
210	1328	.366	.156	.942	-.222
210	1329	.367	.144	.931	-.067
210	1330	.302	.126	.799	.003
210	1331	.291	.123	.753	-.023
210	1332	.284	.119	.720	-.029
210	1333	.397	.150	1.139	.032
210	1334	.178	.118	.602	-.152
210	1335	-.001	.088	.386	-.232
210	1336	-.125	.070	.215	-.402
210	1337	.291	.149	.824	-.269
210	1338	.303	.133	.797	-.079
210	1339	.265	.123	.845	-.056
210	1340	.249	.115	.771	-.051
210	1341	.237	.116	.793	-.100
210	1342	.309	.143	.913	-.106
210	1343	.165	.122	.702	-.180
210	1344	-.003	.088	.433	-.290
210	1345	-.129	.075	.283	-.452
210	1346	.241	.151	.783	-.460
210	1347	.251	.122	.864	-.192
210	1348	.205	.105	.797	-.026
210	1349	.191	.103	.780	-.031
210	1350	.183	.102	.734	-.036
210	1351	.217	.124	.799	-.070
210	1352	.072	.095	.530	-.163
210	1353	-.060	.078	.328	-.386
210	1354	-.165	.070	.215	-.447
210	1355	.126	.104	.666	-.361
210	1356	.151	.086	.640	-.290
210	1357	.122	.068	.496	-.079
210	1358	.124	.074	.597	-.055
210	1359	.111	.066	.539	-.062
210	1360	.141	.091	.543	-.093
210	1361	.008	.070	.430	-.197
210	1362	-.117	.065	.203	-.293
210	1363	-.204	.067	.116	-.401
210	1364	.135	.084	.458	-.243
210	1365	.151	.068	.431	-.027
210	1366	.117	.070	.472	-.110
210	1367	.011	.066	.301	-.183
210	1368	-.211	.054	.062	-.415
210	1369	.195	.114	.662	-.172
210	1370	.217	.106	.648	-.112
210	1371	.204	.099	.628	-.002
210	1372	.180	.086	.560	-.011
210	1373	.194	.097	.630	.001
210	1374	.210	.102	.688	-.059
210	1375	.099	.093	.606	-.110
210	1376	-.042	.070	.346	-.215

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
210	1377	-.140	.066	.214	-.347
210	1401	-.424	.069	-.177	-.669
210	1402	-.446	.072	-.221	-.730
210	1403	-.462	.078	-.220	-.935
210	1404	-.482	.091	-.215	-.908
210	1405	-.459	.092	-.190	-1.003
210	1406	-.460	.090	-.206	-.899
210	1407	-.478	.099	-.115	-1.222
210	1408	-.431	.067	-.207	-.669
210	1409	-.443	.073	-.210	-.878
210	1410	-.449	.070	-.224	-.711
210	1411	-.453	.077	-.244	-.759
210	1412	-.468	.076	-.252	-.738
210	1413	-.475	.080	-.243	-.814
210	1414	-.485	.085	-.242	-.872
210	1415	-.437	.067	-.210	-.681
210	1416	-.432	.068	-.252	-.784
210	1417	-.449	.069	-.268	-.796
210	1418	-.458	.072	-.274	-.840
210	1419	-.444	.072	-.210	-.755
210	1420	-.445	.085	-.183	-.866
210	1421	-.453	.091	-.185	-.916
210	1422	-.405	.065	-.195	-.705
210	1423	-.415	.064	-.231	-.644
210	1424	-.440	.072	-.219	-.793
210	1425	-.448	.072	-.235	-.729
210	1426	-.434	.070	-.206	-.708
210	1427	-.428	.080	-.136	-.764
210	1428	-.448	.092	-.159	-.914
210	1429	-.409	.065	-.148	-.647
210	1430	-.415	.065	-.149	-.652
210	1431	-.440	.066	-.235	-.662
210	1432	-.449	.070	-.214	-.755
210	1433	-.440	.068	-.213	-.751
210	1434	-.445	.092	-.172	-1.040
210	1435	-.460	.103	-.159	-1.091
210	1436	-.400	.068	-.175	-.659
210	1437	-.404	.066	-.193	-.657
210	1438	-.423	.068	-.217	-.670
210	1439	-.454	.080	-.201	-.849
210	1440	-.448	.077	-.231	-.704
210	1441	-.456	.094	-.155	-.906
210	1442	-.474	.110	-.147	-1.029
210	1443	-.406	.079	-.194	-.734
210	1444	-.415	.078	-.167	-.733
210	1445	-.425	.079	-.193	-.736
210	1446	-.442	.080	-.226	-.833
210	1447	-.440	.084	-.223	-.857
210	1448	-.466	.099	-.106	-.892
210	1449	-.480	.113	-.080	-1.052

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
210	1450	-.399	.081	-.190	-.736
210	1451	-.401	.076	-.176	-.706
210	1452	-.440	.084	-.211	-.882
210	1453	-.482	.119	-.196	-1.140
210	1454	-.405	.084	-.171	-.748
210	1455	-.406	.081	-.186	-.751
210	1456	-.410	.077	-.213	-.745
210	1457	-.413	.076	-.228	-.757
210	1458	-.431	.077	-.207	-.783
210	1459	-.458	.098	-.211	-.972
210	1460	-.465	.100	-.221	-1.078
210	1461	-.373	.068	-.117	-.637
210	1901	-.506	.100	-.142	-.907
210	1902	-.493	093	-.224	-1.012
210	1903	-.498	.089	-.243	-.919
210	1904	-.521	.105	-.232	-1.064
210	1905	-.500	.097	-.174	-1.058
210	1906	-.488	.092	-.165	-1.001
210	1907	-.512	.102	-.190	-1.111
210	1908	-.498	.091	-.199	-1.043
210	1909	-.479	.093	-.194	-.877
210	1910	-.375	.073	-.062	-.606
210	1911	-.372	.075	-.063	-.610
210	2101	-.357	.167	.486	-1.321
210	2102	-.359	.167	.294	-1.122
210	2103	-.396	.174	.221	-1.178
210	2104	-.399	.174	.151	-1.621
210	2105	-.419	.168	.420	-1.432
210	2106	-.475	.210	.241	-1.767
210	2107	-.354	.147	.307	-1.286
210	2108	-.349	.130	.576	-1.090
210	2109	-.355	.116	.148	-1.036
210	2110	-.408	.112	.093	-.941
210	2111	-.456	.131	.034	-1.491
210	2112	-.480	.142	-.000	-1.235
210	2113	-.421	.162	.026	-1.361
210	2114	-.406	.143	-.010	-1.244
210	2115	-.391	.096	-.101	-.923
210	2116	-.407	.095	-.173	-1.014
210	2117	-.410	.105	-.103	-1.109
210	2118	-.411	.105	-.100	-1.031
210	2119	-.430	.139	.063	-1.586
210	2120	-.425	.132	.064	-1.402
210	2121	-.411	.098	-.186	-.849
210	2122	-.398	.081	-.183	-.745
210	2123	-.390	.082	-.157	-.711
210	2124	-.392	.083	-.173	-.682
210	2125	-.436	.137	-.118	-1.281
210	2126	-.428	.126	-.166	-1.173
210	2127	-.401	.096	-.197	-1.028

APPENDIX A -- PRESSURE DATA ; CONFIGURATION A : GATEWAY PROJECT TOWERS

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
210	2128	-.386	.082	-.178	-.880	210	2223	-.409	.085	-.191	-1.446	210	2312	-.384	.150	.056	-1.069
210	2129	-.367	.084	-.137	-.701	210	2224	-.433	.081	-.149	-.897	210	2313	-.361	.141	.058	-1.087
210	2130	-.366	.083	-.149	-.694	210	2225	-.452	.092	-.155	-.996	210	2314	-.364	.144	.160	-.894
210	2131	-.439	.170	-.052	-1.951	210	2226	-.427	.120	.058	-.984	210	2315	-.373	.155	.257	-.977
210	2132	-.428	.150	-.112	-1.488	210	2227	-.222	.260	.771	-.970	210	2316	-.358	.145	.066	-1.092
210	2133	-.404	.091	-.007	-.837	210	2228	-.100	.316	.905	-1.426	210	2317	-.323	.126	.094	-1.051
210	2134	-.390	.077	-.196	-.743	210	2229	-.378	.070	-.178	-.910	210	2318	-.329	.134	.101	-1.095
210	2135	-.379	.075	-.179	-.667	210	2230	-.394	.070	-.183	-.971	210	2319	-.446	.203	.245	-1.667
210	2136	-.379	.076	-.158	-.839	210	2231	-.432	.076	-.175	-.844	210	2320	-.412	.195	.307	-1.324
210	2137	-.441	.201	.095	-1.821	210	2232	-.451	.096	-.137	-.890	210	2321	-.382	.192	.149	-1.528
210	2138	-.428	.168	.120	-1.435	210	2233	-.400	.120	.067	-.934	210	2322	-.352	.160	.108	-1.149
210	2139	-.407	.110	-.070	-.976	210	2234	-.184	.255	.689	-.845	210	2323	-.347	.160	.185	-1.170
210	2140	-.404	.091	-.173	-1.012	210	2235	-.086	.313	.923	-1.439	210	2324	-.348	.161	.227	-1.032
210	2141	-.376	.088	-.134	-.828	210	2236	-.386	.082	-.084	-.790	210	2325	-.330	.143	.152	-.955
210	2142	-.374	.087	-.137	-.826	210	2237	-.399	.081	-.113	-.751	210	2326	-.327	.141	.115	-.952
210	2143	-.401	.187	.159	-1.946	210	2238	-.440	.092	-.117	-.892	210	2327	-.334	.153	.056	-1.024
210	2144	-.391	.113	-.082	-.989	210	2239	-.440	.101	-.129	-.883	210	2328	-.430	.194	.296	-1.311
210	2145	-.392	.088	-.033	-.823	210	2240	-.379	.135	.080	-.926	210	2329	-.413	.191	.257	-1.301
210	2146	-.375	.077	-.132	-.787	210	2241	-.134	.264	.663	-.934	210	2330	-.389	.195	.119	-1.498
210	2147	-.384	.085	-.126	-.861	210	2242	-.041	.315	.836	-1.356	210	2331	-.355	.159	.062	-1.151
210	2148	-.379	.079	-.153	-.761	210	2243	-.402	.091	-.224	-.876	210	2332	-.355	.159	.180	-1.119
210	2149	-.369	.084	-.155	-.804	210	2244	-.408	.085	-.156	-.737	210	2333	-.376	.188	.256	-1.317
210	2150	-.398	.154	.081	-1.322	210	2245	-.435	.090	-.136	-.774	210	2334	-.352	.159	.112	-1.067
210	2151	-.390	.150	.081	-1.206	210	2246	-.425	.100	-.059	-.901	210	2335	-.351	.165	.115	-1.239
210	2152	-.370	.097	-.030	-.823	210	2247	-.329	.127	.080	-.844	210	2336	-.355	.174	.094	-1.286
210	2153	-.380	.086	-.035	-.769	210	2248	-.077	.243	.676	-.744	210	2337	-.441	.191	.266	-1.443
210	2154	-.371	.082	-.026	-.696	210	2249	-.002	.271	.802	-.739	210	2338	-.424	.189	.207	-1.424
210	2155	-.368	.084	-.071	-.714	210	2250	-.379	.074	-.119	-.791	210	2339	-.404	201	.108	-1.627
210	2201	-.338	.210	.668	-1.191	210	2251	-.413	.091	-.113	-.780	210	2340	-.365	.161	.053	-1.256
210	2202	-.317	.220	.711	-1.308	210	2252	-.262	.109	.090	-.713	210	2341	-.363	.168	.203	-1.127
210	2203	-.309	.193	.622	-1.379	210	2253	.062	.225	.792	-.682	210	2342	-.382	.178	.158	-1.247
210	2204	-.338	.144	.387	-1.078	210	2254	-.397	.087	-.176	-.892	210	2343	-.357	.165	.104	-1.188
210	2205	-.280	.141	.439	-.771	210	2255	-.391	.079	-.132	-.764	210	2344	-.353	.171	.140	-1.134
210	2206	.028	.242	.750	-.670	210	2256	-.386	.076	-.125	-.682	210	2345	-.366	.188	.069	-1.414
210	2207	.229	.307	1.161	-.691	210	2257	-.402	.089	-.155	-.774	210	2346	-.454	.183	.109	-1.697
210	2208	-.420	.118	.030	-.943	210	2258	-.377	.095	-.110	-.779	210	2347	-.450	.172	-.023	-1.621
210	2209	-.401	.106	.089	-.801	210	2259	-.173	.115	.183	-.715	210	2348	-.423	.190	.058	-1.467
210	2210	-.378	.101	-.005	-.732	210	2260	.167	.178	.862	-.454	210	2349	-.395	.174	.108	-1.275
210	2211	-.394	.100	.055	-.818	210	2261	.223	.191	.905	-.445	210	2350	-.393	.173	.205	-1.192
210	2212	-.360	.128	.225	-.860	210	2301	-.471	.154	.032	-1.237	210	2351	-.411	.194	.218	-1.744
210	2213	-.023	.302	.950	-.770	210	2302	-.457	.164	.148	-1.340	210	2352	-.391	.177	.112	-1.369
210	2214	.093	.344	1.282	-.846	210	2303	-.382	.152	.152	-1.030	210	2353	-.369	.161	.068	-1.039
210	2215	-.407	.091	-.166	-1.000	210	2304	-.361	.147	.084	-1.088	210	2354	-.381	.186	.112	-1.538
210	2216	-.409	.085	-.034	-.783	210	2305	-.359	.156	.155	-1.120	210	2355	-.502	.214	.067	-1.712
210	2217	-.428	.086	-.141	-.831	210	2306	-.358	.156	.176	-1.051	210	2356	-.482	.200	.070	-1.544
210	2218	-.448	.097	-.169	-.858	210	2307	-.363	.157	.080	-1.164	210	2357	-.432	.189	.042	-1.636
210	2219	-.422	.124	.029	-1.012	210	2308	-.323	.143	.084	-1.113	210	2358	-.404	.167	.013	-1.364
210	2220	-.200	.286	.819	-.909	210	2309	-.326	.149	.058	-1.115	210	2359	-.395	.163	.067	-1.163
210	2221	-.086	.346	1.014	-1.182	210	2310	-.521	.245	.066	-1.542	210	2360	-.405	.178	.072	-1.212
210	2222	-.401	.086	-.183	-.860	210	2311	-.449	.181	.085	-1.207	210	2361	-.387	.160	.020	-1.168

APPENDIX A -- PRESSURE DATA ;   CONFIGURATION A : GATEWAY PROJECT TOWERS

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
210	2362	-.349	.136	.051	-1.129
210	2363	-.349	.138	.056	-1.083
210	2364	-.468	.201	.032	-1.916
210	2365	-.411	.174	-.017	-1.631
210	2366	-.392	.168	.067	-1.219
210	2367	-.370	.152	.014	-1.249
210	2368	-.306	.106	-.024	-.907
210	2369	-.438	.210	.144	-2.067
210	2370	-.435	.211	.127	-1.808
210	2371	-.381	.195	.095	-1.822
210	2372	-.345	.154	.065	-1.322
210	2373	-.333	.134	.091	-.998
210	2374	-.329	.153	.210	-1.036
210	2375	-.299	.115	.049	-.858
210	2376	-.263	.092	.126	-.642
210	2377	-.267	.090	.040	-.698
210	2401	-.305	.126	.097	-.826
210	2402	-.296	.122	.150	-.858
210	2403	-.302	.127	.054	-.866
210	2404	-.294	.117	.036	-.892
210	2405	-.296	.121	.014	-1.243
210	2406	-.333	.151	.042	-2.072
210	2407	-.338	.150	.075	-1.632
210	2408	-.300	.112	.049	-.761
210	2409	-.287	.100	.056	-.711
210	2410	-.274	.093	.088	-.621
210	2411	-.270	.089	.070	-.659
210	2412	-.308	.109	-.055	-.968
210	2413	-.337	.132	-.060	-1.240
210	2414	-.332	.143	-.000	-1.267
210	2415	-.337	.139	.035	-.913
210	2416	-.310	.123	.023	-.869
210	2417	-.294	.101	.037	-.761
210	2418	-.283	.081	-.057	-.695
210	2419	-.271	.071	-.082	-.706
210	2420	-.275	.081	-.019	-1.198
210	2421	-.297	.097	-.009	-1.287
210	2422	-.322	.133	.105	-.926
210	2423	-.305	.123	.118	-.799
210	2424	-.289	.099	.054	-.705
210	2425	-.274	.084	-.051	-.756
210	2426	-.261	.068	-.086	-.698
210	2427	-.251	.067	-.052	-.739
210	2428	-.270	.073	-.041	-.892
210	2429	-.318	.141	.034	-.974
210	2430	-.300	.125	.033	-.958
210	2431	-.282	.101	.010	-.796
210	2432	-.263	.079	-.058	-.622
210	2433	-.261	.066	-.047	-.559
210	2434	-.257	.060	.025	-.509
210	2435	-.275	.067	.061	-.604
210	2436	-.344	.145	.079	-1.012
210	2437	-.320	.139	.041	-1.331
210	2438	-.301	.112	-.019	-.902
210	2439	-.281	.087	-.034	-.724
210	2440	-.262	.075	-.060	-.780
210	2441	-.257	.067	-.021	-.568
210	2442	-.286	.078	.004	-1.076
210	2443	-.336	.138	.023	-1.129
210	2444	-.326	.134	.022	-1.262
210	2445	-.309	.114	-.025	-1.130
210	2446	-.292	.085	-.074	-.829
210	2447	-.275	.066	-.062	-.614
210	2448	-.281	.072	-.073	-.675
210	2449	-.299	.081	.062	-.712
210	2450	-.304	.118	-.020	-.932
210	2451	-.311	.109	-.067	-1.512
210	2452	-.270	.071	-.073	-.780
210	2453	-.277	.078	-.030	-.835
210	2454	-.292	.094	.024	-.888
210	2455	-.298	.119	-.001	-.934
210	2456	-.286	.113	-.006	-.824
210	2457	-.267	.096	-.025	-.823
210	2458	-.264	.076	-.020	-.746
210	2459	-.252	.063	-.043	-.529
210	2460	-.264	.076	.041	-.829
210	2461	-.273	.077	-.065	-.840
210	2901	-.179	.149	.446	-.642
210	2902	-.177	.155	.599	-.682
210	2903	-.216	.148	.495	-.758
210	2904	-.219	.137	.289	-.845
210	2905	-.258	.137	.463	-.795
210	2906	-.291	.115	.301	-.709
210	2907	-.294	.118	.204	-.734
210	2908	-.334	.116	.114	-.878
210	2909	-.361	.122	.027	-1.040
210	2910	-.400	.091	-.140	-.900
210	2911	-.382	.081	-.132	-.763
220	1101	-.517	.097	-.216	-.889
220	1102	-.498	.096	-.178	-.847
220	1103	-.485	.091	-.142	-.844
220	1104	-.466	.087	-.145	-.758
220	1105	-.436	.084	-.179	-.755
220	1106	-.426	.083	-.197	-.761
220	1107	-.470	.079	-.238	-.724
220	1108	-.465	.076	-.255	-.711
220	1109	-.456	.074	-.255	-.708
220	1110	-.443	.073	-.223	-.742
220	1111	-.454	.077	-.200	-.769
220	1112	-.431	.078	-.212	-.715
220	1113	-.465	.081	-.213	-.810
220	1114	-.460	.078	-.228	-.727
220	1115	-.454	.074	-.191	-.745
220	1116	-.438	.072	-.205	-.658
220	1117	-.425	.071	-.197	-.651
220	1118	-.424	.073	-.181	-.646
220	1119	-.410	.076	-.106	-.735
220	1120	-.392	.083	-.107	-.698
220	1121	-.392	.076	-.195	-.679
220	1122	-.389	.076	-.195	-.732
220	1123	-.378	.075	-.147	-.706
220	1124	-.402	.070	-.163	-.700
220	1125	-.369	.073	-.115	-.655
220	1126	-.367	.070	-.103	-.632
220	1127	-.374	.066	-.188	-.629
220	1128	-.371	.064	-.169	-.594
220	1129	-.358	.073	-.145	-.673
220	1130	-.354	.072	-.145	-.661
220	1131	-.372	.084	-.076	-.644
220	1132	-.368	.081	-.089	-.618
220	1133	-.372	.077	-.155	-.676
220	1134	-.370	.074	-.142	-.661
220	1135	-.386	.066	-.186	-.682
220	1136	-.359	.076	-.111	-.660
220	1137	-.392	.088	-.084	-.716
220	1138	-.392	.091	-.109	-.756
220	1139	-.385	.086	-.027	-.658
220	1140	-.380	.086	-.092	-.663
220	1141	-.369	.086	-.133	-.652
220	1142	-.353	.076	-.132	-.630
220	1143	-.388	.082	-.082	-.672
220	1144	-.405	.077	-.121	-.701
220	1145	-.395	.075	-.167	-.832
220	1146	-.366	.081	-.122	-.686
220	1147	-.390	.079	-.021	-.669
220	1148	-.400	.088	-.117	-.807
220	1149	-.391	.083	-.142	-.813
220	1150	-.389	.084	-.078	-.787
220	1151	-.385	.080	-.003	-.712
220	1152	-.374	.082	-.129	-.748
220	1153	-.375	.081	-.085	-.689
220	1154	-.358	.082	-.116	-.744
220	1155	-.365	.083	-.069	-.713
220	1201	-.061	.121	.525	-.539
220	1202	.013	.127	.603	-.385
220	1203	.081	.133	.574	-.337
220	1204	.125	.136	.545	-.361
220	1205	.109	.132	.656	-.355
220	1206	.100	.132	.613	-.332
220	1207	.169	.140	.710	-.256

APPENDIX A -- PRESSURE DATA ;   CONFIGURATION A : GATEWAY PROJECT TOWERS

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
220	1208	-.108	.105	.409	-.475	220	1258	.346	.126	.969	.075	220	1348	.164	.086	.518	-.070
220	1209	.114	.124	.633	-.259	220	1259	.303	.114	.850	.062	220	1349	.151	.083	.486	-.069
220	1210	.344	.157	.985	-.078	220	1260	.256	.105	.697	-.023	220	1350	.142	.082	.517	-.059
220	1211	.428	.170	1.036	-.063	220	1301	.157	.150	.659	-.512	220	1351	.220	.119	.713	-.070
220	1212	.473	.175	1.038	-.038	220	1302	.137	.125	.611	-.250	220	1352	.034	.081	.500	-.187
220	1213	.497	.181	1.079	-.045	220	1303	.047	.103	.389	-.298	220	1353	-.099	.066	.229	-.332
220	1214	.426	.169	1.093	-.377	220	1304	-.022	.088	.351	-.347	220	1354	-.202	.065	.080	-.482
220	1215	-.108	.085	.409	-.374	220	1305	-.007	.099	.503	-.364	220	1355	.121	.119	.756	-.277
220	1216	.075	.101	.484	-.216	220	1306	.211	.162	.868	-.268	220	1356	.153	.096	.708	-.164
220	1217	.316	.134	.903	-.024	220	1307	.036	.107	.568	-.307	220	1357	.114	.068	.443	-.091
220	1218	.425	.155	1.096	.037	220	1308	-.082	.083	.268	-.400	220	1358	.114	.072	.489	-.122
220	1219	.481	.163	1.145	.072	220	1309	-.171	.080	.099	-.469	220	1359	.113	.070	.455	-.058
220	1220	.464	.158	.962	-.029	220	1310	.332	.168	.906	-.331	220	1360	.156	.100	.610	-.075
220	1221	.413	.153	.893	-.121	220	1311	.338	.148	.852	-.347	220	1361	-.014	.059	.266	-.198
220	1222	-.123	.070	.404	-.352	220	1312	.235	.120	.628	-.125	220	1362	-.141	.050	.080	-.345
220	1223	.062	.084	.418	-.196	220	1313	.225	.121	.660	-.125	220	1363	-.236	.062	.043	-.453
220	1224	.291	.118	.770	-.013	220	1314	.220	.111	.661	-.119	220	1364	.131	.086	.480	-.219
220	1225	.399	.143	1.063	.044	220	1315	.442	.181	1.114	-.178	220	1365	.146	.076	.452	-.038
220	1226	.452	.160	1.173	.034	220	1316	.167	.115	.711	-.229	220	1366	.108	.070	.452	-.110
220	1227	.438	.157	.989	.011	220	1317	-.035	.085	.381	-.302	220	1367	-.010	.054	.284	-.267
220	1228	.395	.150	.948	-.009	220	1318	-.196	.073	.072	-.44[illegible]	220	1368	-.220	.052	-.025	-.427
220	1229	-.137	.061	.164	-.341	220	1319	.333	.167	.850	-.343	220	1369	.194	.105	.725	-.114
220	1230	.025	.073	.383	-.162	220	1320	.345	.148	.827	-.245	220	1370	.213	.097	.726	-.066
220	1231	.237	.105	.730	-.012	220	1321	.281	.120	.654	-.020	220	1371	.178	.088	.559	-.024
220	1232	.338	.120	.857	.080	220	1322	.258	.117	.688	-.072	220	1372	.153	.077	.528	-.040
220	1233	.389	.128	.901	.102	220	1323	.253	.115	.645	-.035	220	1373	.167	.088	.573	-.039
220	1234	.378	.133	.899	.054	220	1324	.390	.164	1.030	-.025	220	1374	.208	.104	.705	-.008
220	1235	.349	.134	.912	.025	220	1325	.129	.102	.491	-.167	220	1375	.060	.068	.395	-.103
220	1236	-.221	.064	.022	-.505	220	1326	-.075	.072	.250	-.319	220	1376	-.083	.050	.153	-.272
220	1237	-.012	.062	.280	-.200	220	1327	-.194	.064	.103	-.429	220	1377	-.176	.054	.043	-.419
220	1238	.191	.091	.672	-.047	220	1328	.334	.159	.960	-.280	220	1401	-.464	.083	-.219	-.791
220	1239	.278	.109	.847	-.038	220	1329	.349	.139	.924	-.160	220	1402	-.458	.088	-.137	-.774
220	1240	.329	.123	.831	.013	220	1330	.274	.115	.762	-.008	220	1403	-.519	.099	-.196	-.934
220	1241	.318	.124	.921	-.057	220	1331	.232	.104	.604	-.040	220	1404	-.489	.099	-.189	-.886
220	1242	.283	.124	.902	-.047	220	1332	.220	.098	.547	-.027	220	1405	-.499	.092	-.188	-.949
220	1243	-.174	.062	.133	-.425	220	1333	.356	.155	1.071	-.071	220	1406	-.522	.105	-.189	-.928
220	1244	-.004	.063	.327	-.211	220	1334	.104	.091	.453	-.139	220	1407	-.521	.095	-.203	-.962
220	1245	.168	.080	.589	-.057	220	1335	-.078	.071	.235	-.288	220	1408	-.475	.081	-.232	-.764
220	1246	.242	.098	.699	-.016	220	1336	-.193	.065	.102	-.396	220	1409	-.493	.093	-.230	-.844
220	1247	.272	.108	.721	-.028	220	1337	.219	.152	.748	-.306	220	1410	-.492	.084	-.256	-.812
220	1248	.248	.110	.810	-.031	220	1338	.258	.131	.739	-.268	220	1411	-.494	.087	-.256	-.856
220	1249	.213	.106	.772	-.084	220	1339	.217	.097	.640	-.009	220	1412	-.491	.087	-.248	-.867
220	1250	-.201	.062	.018	-.448	220	1340	.196	.090	.579	-.012	220	1413	-.493	.085	-.234	-.832
220	1251	.173	.080	.545	-.024	220	1341	.183	.089	.496	-.022	220	1414	-.497	.086	-.260	-.826
220	1252	.271	.104	.752	.044	220	1342	.297	.132	.820	-.033	220	1415	-.453	.080	-.147	-.765
220	1253	.199	.095	.607	-.062	220	1343	.077	.090	.539	-.255	220	1416	-.454	.080	-.200	-.835
220	1254	-.128	.050	.129	-.318	220	1344	-.078	.067	.195	-.312	220	1417	-.469	.082	-.207	-.906
220	1255	.037	.059	.322	-.144	220	1345	-.186	.065	.050	-.428	220	1418	-.469	.083	-.212	-.969
220	1256	.230	.098	.745	.027	220	1346	.177	.137	.714	-.340	220	1419	-.456	.080	-.219	-.904
220	1257	.323	.117	.866	.069	220	1347	.222	.117	.672	-.344	220	1420	-.448	.080	-.125	-.819

APPENDIX A -- PRESSURE DATA ;   CONFIGURATION A : GATEWAY PROJECT TOWERS

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
220	1421	-.454	.080	-.149	-.797	220	1910	-.398	.082	-.145	-.666	220	2149	-.355	.080	-.066	-.716
220	1422	-.426	.086	-.208	-.764	220	1911	-.394	.081	-.135	-.660	220	2150	-.356	.195	.123	-1.552
220	1423	-.420	.076	-.177	-.749	220	2101	-.237	.181	.486	-1.007	220	2151	-.351	.190	.098	-1.329
220	1424	-.438	.075	-.236	-.693	220	2102	-.251	.201	.579	-1.185	220	2152	-.354	.126	.104	-.872
220	1425	-.436	.073	-.214	-.707	220	2103	-.319	.213	.614	-1.389	220	2153	-.373	.102	-.078	-.787
220	1426	-.414	.073	-.155	-.735	220	2104	-.378	.196	.394	-1.402	220	2154	-.368	.094	-.077	-.746
220	1427	-.398	.075	-.010	-.725	220	2105	-.417	.178	.245	-1.338	220	2155	-.346	.096	-.037	-.761
220	1428	-.408	.085	-.113	-.874	220	2106	-.493	.224	.286	-1.688	220	2201	-.322	.217	.810	-1.299
220	1429	-.393	.080	-.184	-.707	220	2107	-.252	.156	.342	-1.047	220	2202	-.285	.241	.933	-1.348
220	1430	-.402	.079	-.189	-.717	220	2108	-.251	.160	.455	-1.193	220	2203	-.279	.260	.924	-1.149
220	1431	-.429	.079	-.233	-.735	220	2109	-.334	.130	.485	-1.230	220	2204	-.365	.202	.693	-1.199
220	1432	-.422	.082	-.193	-.758	220	2110	-.383	.127	.216	-.871	220	2205	-.355	.154	.558	-1.109
220	1433	-.394	.077	-.117	-.767	220	2111	-.463	.142	-.048	-1.276	220	2206	-.218	.207	.593	-.900
220	1434	-.377	.079	.032	-.655	220	2112	-.500	.160	-.051	-1.389	220	2207	-.131	.289	.849	-1.300
220	1435	-.379	.082	-.096	-.674	220	2113	-.404	.213	.371	-1.508	220	2208	-.443	.121	-.057	-.919
220	1436	-.393	.085	-.154	-.838	220	2114	-.379	.172	.318	-1.204	220	2209	-.441	.106	.028	-.972
220	1437	-.398	.083	-.164	-.812	220	2115	-.382	.104	.149	-.996	220	2210	-.416	.107	.013	-.870
220	1438	-.422	.084	-.166	-.883	220	2116	-.425	.101	.008	-1.194	220	2211	-.413	.098	-.063	-.829
220	1439	-.446	.085	-.188	-.861	220	2117	-.471	.111	-.141	-1.287	220	2212	-.442	.114	-.070	-1.196
220	1440	-.417	.080	-.188	-.689	220	2118	-.478	.110	-.202	-1.190	220	2213	-.341	.210	.746	-1.004
220	1441	-.397	.078	-.070	-.717	220	2119	-.474	.193	.127	-1.674	220	2214	-.287	.264	.896	-1.148
220	1442	-.401	.083	-.105	-.726	220	2120	-.463	.175	.072	-1.594	220	2215	-.473	.104	-.135	-.948
220	1443	-.404	.087	-.163	-.739	220	2121	-.404	.117	.260	-1.092	220	2216	-.469	.101	-.153	-1.003
220	1444	-.411	.087	-.196	-.742	220	2122	-.414	.092	.133	-.762	220	2217	-.471	.098	-.171	-.976
220	1445	-.426	.087	-.209	-.749	220	2123	-.429	.091	-.157	-.881	220	2218	-.484	.105	-.194	-1.132
220	1446	-.441	.087	-.208	-.735	220	2124	-.437	.093	-.155	-.772	220	2219	-.495	.118	-.188	-1.161
220	1447	-.463	.092	-.103	-.796	220	2125	-.444	.171	.049	-1.503	220	2220	-.443	.179	.490	-1.245
220	1448	-.450	.096	-.154	-1.106	220	2126	-.432	.150	.038	-1.384	220	2221	-.421	.256	.674	-1.779
220	1449	-.457	.104	-.130	-1.246	220	2127	-.405	.111	-.079	-.837	220	2222	-.457	.103	-.163	-1.047
220	1450	-.424	.097	-.169	-.803	220	2128	-.402	.089	-.089	-.736	220	2223	-.457	.102	-.147	-1.065
220	1451	-.420	.083	-.182	-.844	220	2129	-.399	.080	-.186	-.693	220	2224	-.440	.092	-.120	-.927
220	1452	-.444	.089	-.186	-.790	220	2130	-.402	.079	-.176	-.747	220	2225	-.455	.089	-.099	-.888
220	1453	-.446	.106	-.102	-.879	220	2131	-.432	.192	.102	-1.681	220	2226	-.473	.106	-.163	-1.110
220	1454	-.411	.095	-.176	-.791	220	2132	-.417	.167	.181	-1.394	220	2227	-.444	.158	.325	-1.230
220	1455	-.417	.093	-.148	-.793	220	2133	-.402	.112	.002	-.947	220	2228	-.449	.227	.659	-1.710
220	1456	-.421	.089	-.181	-.767	220	2134	-.398	.093	-.083	-.849	220	2229	-.436	.093	-.134	-.939
220	1457	-.426	.089	-.170	-.832	220	2135	-.384	.082	-.168	-.750	220	2230	-.439	.093	-.185	-1.040
220	1458	-.429	.087	-.188	-.771	220	2136	-.385	.082	-.166	-.756	220	2231	-.445	.079	-.220	-.866
220	1459	-.438	.096	-.148	-1.226	220	2137	-.398	.246	.239	-1.989	220	2232	-.467	.089	-.243	-.903
220	1460	-.445	.098	-.166	-1.227	220	2138	-.381	.200	.145	-1.382	220	2233	-.474	.102	-.228	-1.102
220	1461	-.383	.077	-.097	-.706	220	2139	-.383	.132	.098	-1.034	220	2234	-.437	.165	.318	-1.184
220	1901	-.553	.107	-.233	-.923	220	2140	-.390	.104	-.083	-.877	220	2235	-.420	.228	.597	-1.505
220	1902	-.538	.112	-.153	-.941	220	2141	-.361	.084	-.129	-.907	220	2236	-.390	.087	-.125	-.758
220	1903	-.555	.108	-.221	-1.052	220	2142	-.354	.082	-.122	-.776	220	2237	-.392	.084	-.154	-.880
220	1904	-.556	.106	-.255	-1.157	220	2143	-.335	.229	.283	-1.736	220	2238	-.426	.086	-.192	-.852
220	1905	-.573	.101	-.254	-.966	220	2144	-.357	.139	.176	-1.040	220	2239	-.451	.094	-.193	-.912
220	1906	-.570	.102	-.252	-.965	220	2145	-.393	.107	-.007	-.939	220	2240	-.436	.107	-.144	-1.091
220	1907	-.559	.100	-.262	-.966	220	2146	-.351	.081	.029	-.742	220	2241	-.357	.172	.359	-1.031
220	1908	-.552	.092	-.250	-.901	220	2147	-.379	.101	-.042	-.799	220	2242	-.329	.244	.650	-1.469
220	1909	-.567	.104	-.190	-1.009	220	2148	-.367	.086	-.105	-.722	220	2243	-.360	.080	-.129	-.742

APPENDIX A -- PRESSURE DATA ; CONFIGURATION A : GATEWAY PROJECT TOWERS

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
220	2244	-.396	.078	-.089	-.666
220	2245	-.451	.085	-.210	-.811
220	2246	-.457	.094	-.205	-.905
220	2247	-.415	.099	-.103	-.926
220	2248	-.310	.159	.521	-1.115
220	2249	-.269	.223	.723	-1.548
220	2250	-.366	.079	.008	-.816
220	2251	-.441	.090	-.181	-.852
220	2252	-.364	.093	-.046	-.861
220	2253	-.171	.219	.622	-1.117
220	2254	-.366	.091	-.032	-.795
220	2255	-.367	.082	-.062	-.722
220	2256	-.384	.083	-.141	-.758
220	2257	-.435	.095	-.176	-.971
220	2258	-.429	.100	-.172	-.914
220	2259	-.316	.095	.029	-.884
220	2260	.010	.177	.706	-.616
220	2261	.119	.197	.817	-.570
220	2301	-.420	.180	.095	-1.318
220	2302	-.371	.180	.210	-1.215
220	2303	-.310	.160	.231	-.998
220	2304	-.305	.152	.203	-.947
220	2305	-.296	.165	.320	-1.146
220	2306	-.291	.164	.366	-.951
220	2307	-.293	.155	.134	-1.048
220	2308	-.276	.150	.093	-1.141
220	2309	-.286	.162	.107	-1.154
220	2310	-.384	.208	.297	-1.457
220	2311	-.343	.183	.336	-1.193
220	2312	-.321	.166	.180	-1.007
220	2313	-.286	.137	.146	-.942
220	2314	-.285	.149	.262	-.856
220	2315	-.286	.153	.380	-.935
220	2316	-.284	.143	.129	-.834
220	2317	-.274	.134	.142	-.794
220	2318	-.282	.142	.111	-.932
220	2319	-.366	.206	.423	-1.489
220	2320	-.339	.199	.369	-1.224
220	2321	-.313	.189	.236	-1.205
220	2322	-.294	.160	.152	-1.020
220	2323	-.288	.165	.316	-1.033
220	2324	-.287	.160	.209	-.990
220	2325	-.283	.146	.130	-.883
220	2326	-.290	.154	.090	-.955
220	2327	-.296	.163	.088	-1.115
220	2328	-.362	.195	.396	-1.602
220	2329	-.337	.193	.349	-1.232
220	2330	-.319	.193	.300	-1.272
220	2331	-.282	.154	.257	-1.051
220	2332	-.286	.158	.322	-.928

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
220	2333	-.307	.177	.212	-1.301
220	2334	-.290	.152	.252	-.953
220	2335	-.307	.172	.086	-1.167
220	2336	-.317	.179	.081	-1.284
220	2337	-.364	.197	.420	-1.457
220	2338	-.339	.191	.329	-1.341
220	2339	-.325	.209	.204	-1.753
220	2340	-.300	.170	.152	-1.236
220	2341	-.298	.179	.235	-1.077
220	2342	-.324	.194	.212	-1.375
220	2343	-.304	.169	.101	-1.085
220	2344	-.313	.182	.124	-1.345
220	2345	-.307	.185	.086	-1.381
220	2346	-.376	.195	.300	-1.336
220	2347	-.365	.177	.171	-1.261
220	2348	-.339	.206	.147	-1.318
220	2349	-.304	.169	.067	-1.212
220	2350	-.307	.173	.165	-1.156
220	2351	-.321	.188	.172	-1.449
220	2352	-.313	.175	.056	-1.258
220	2353	-.327	.186	.055	-1.109
220	2354	-.322	.191	.096	-1.378
220	2355	-.424	.235	.192	-1.879
220	2356	-.400	.229	.147	-2.048
220	2357	-.363	.210	.117	-1.250
220	2358	-.346	.185	.088	-1.388
220	2359	-.329	.177	.152	-1.060
220	2360	-.342	.192	.143	-1.149
220	2361	-.322	.177	.112	-1.106
220	2362	-.279	.135	.138	-.785
220	2363	-.274	.135	.152	-.825
220	2364	-.449	.261	.314	-1.660
220	2365	-.355	.236	.115	-2.401
220	2366	-.341	.206	.182	-1.362
220	2367	-.284	.150	.177	-1.039
220	2368	-.234	.113	.092	-.841
220	2369	-.444	.278	.321	-2.011
220	2370	-.420	.274	.344	-2.453
220	2371	-.314	.220	.304	-1.646
220	2372	-.281	.174	.291	-1.215
220	2373	-.252	.156	.314	-.855
220	2374	-.254	.170	.418	-1.009
220	2375	-.229	.128	.132	-.756
220	2376	-.203	.102	.072	-.640
220	2377	-.207	.101	.084	-.755
220	2401	-.260	.125	.103	-.886
220	2402	-.249	.118	.090	-.800
220	2403	-.230	.110	.096	-.807
220	2404	-.222	.096	.047	-.763
220	2405	-.229	.103	.081	-.832

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
220	2406	-.255	.127	.067	-1.450
220	2407	-.260	.139	.170	-1.189
220	2408	-.266	.126	.067	-.874
220	2409	-.256	.110	.020	-.755
220	2410	-.233	.097	.034	-.765
220	2411	-.229	.089	.024	-.852
220	2412	-.246	.108	-.020	-.952
220	2413	-.277	.141	.083	-1.026
220	2414	-.286	.141	.058	-1.180
220	2415	-.275	.128	.069	-.930
220	2416	-.274	.122	.079	-.805
220	2417	-.229	.082	-.004	-.570
220	2418	-.231	.067	-.012	-.561
220	2419	-.234	.078	-.020	-.738
220	2420	-.260	.115	.065	-1.126
220	2421	-.291	.125	.058	-1.476
220	2422	-.281	.134	.128	-.817
220	2423	-.263	.119	.108	-.777
220	2424	-.232	.084	-.006	-.648
220	2425	-.218	.058	-.052	-.524
220	2426	-.215	.051	-.005	-.536
220	2427	-.232	.065	.034	-.639
220	2428	-.263	.078	.018	-.810
220	2429	-.285	.150	.082	-.961
220	2430	-.266	.128	.052	-.795
220	2431	-.231	.093	.038	-.679
220	2432	-.207	.064	-.049	-.547
220	2433	-.200	.048	-.036	-.467
220	2434	-.224	.059	-.001	-.632
220	2435	-.251	.072	-.010	-.807
220	2436	-.278	.145	.055	-.943
220	2437	-.268	.137	.051	-.877
220	2438	-.237	.103	-.008	-.774
220	2439	-.207	.070	-.028	-.563
220	2440	-.200	.054	-.036	-.482
220	2441	-.221	.065	-.000	-.675
220	2442	-.251	.077	.000	-.605
220	2443	-.260	.126	.031	-1.564
220	2444	-.245	.116	.026	-1.383
220	2445	-.223	.091	-.014	-.644
220	2446	-.210	.066	-.005	-.576
220	2447	-.209	.058	-.049	-.625
220	2448	-.229	.077	.040	-.786
220	2449	-.251	.086	.002	-.820
220	2450	-.235	.098	.022	-.690
220	2451	-.227	.089	.016	-1.067
220	2452	-.197	.052	-.010	-.465
220	2453	-.213	.070	.028	-.665
220	2454	-.236	.090	.036	-.826
220	2455	-.224	.098	.088	-.675

APPENDIX A -- PRESSURE DATA ; CONFIGURATION A : GATEWAY PROJECT TOWERS

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
220	2456	-.213	.094	.095	-.702	230	1134	-.305	.059	-.152	-.544	230	1229	-.045	.112	.455	-.337
220	2457	-.200	.080	.065	-.605	230	1135	-.304	.065	-.099	-.604	230	1230	.081	.114	.615	-.224
220	2458	-.199	.063	-.009	-.542	230	1136	-.291	.063	.098	-.593	230	1231	.212	.101	.772	-.070
220	2459	-.200	.058	-.032	-.541	230	1137	-.324	.069	-.082	-.747	230	1232	.236	.098	.648	-.012
220	2460	-.202	.071	.026	-.708	230	1138	-.325	.068	-.105	-.641	230	1233	.248	.101	.662	-.029
220	2461	-.228	.080	.016	-.649	230	1139	-.319	.062	-.142	-.692	230	1234	.210	.123	.761	-.114
220	2901	-.079	.156	.507	-.578	230	1140	-.312	.061	-.134	-.537	230	1235	.168	.139	.788	-.217
220	2902	-.072	.170	.768	-.674	230	1141	-.301	.061	-.094	-.529	230	1236	-.120	.095	.324	-.434
220	2903	-.116	.166	.701	-.666	230	1142	-.306	.066	-.130	-.578	230	1237	.035	.092	.538	-.261
220	2904	-.160	.150	.524	-.676	230	1143	-.336	.075	-.144	-.845	230	1238	.160	.083	.619	-.039
220	2905	-.160	.165	.476	-.695	230	1144	-.323	.070	-.129	-.637	230	1239	.197	.078	.570	-.005
220	2906	-.187	.139	.345	-.548	230	1145	-.317	.071	-.100	-.647	230	1240	.205	.087	.788	-.022
220	2907	-.209	.138	.213	-.695	230	1146	-.315	.068	-.128	-.613	230	1241	.175	.100	.822	-.086
220	2908	-.232	.128	.237	-.607	230	1147	-.329	.073	-.125	-.762	230	1242	.132	.116	.772	-.312
220	2909	-.277	.124	.291	-.760	230	1148	-.326	.067	-.150	-.684	230	1243	-.102	.085	.418	-.406
220	2910	-.363	.088	-.012	-.759	230	1149	-.322	.066	-.134	-.661	230	1244	.028	.079	.532	-.256
220	2911	-.359	.089	.043	-.737	230	1150	-.319	.068	-.111	-.636	230	1245	.138	.065	.400	-.046
230	1101	-.469	.095	-.196	-.934	230	1151	-.315	.068	-.121	-.616	230	1246	.182	.074	.482	.003
230	1102	-.460	.097	-.145	-.987	230	1152	-.323	.068	-.136	-.630	230	1247	.195	.087	.623	-.015
230	1103	-.450	.091	-.144	-.840	230	1153	-.311	.071	-.122	-.616	230	1248	.160	.099	.769	-.086
230	1104	-.434	.087	-.170	-.825	230	1154	-.306	.072	-.089	-.601	230	1249	.126	.104	.672	-.165
230	1105	-.408	.082	-.145	-.844	230	1155	-.304	.076	-.036	-.629	230	1250	-.135	.070	.280	-.395
230	1106	-.419	.083	-.154	-.824	230	1201	.051	.167	.598	-.477	230	1251	.131	.063	.549	-.084
230	1107	-.435	.082	-.200	-.704	230	1202	.133	.170	.733	-.428	230	1252	.186	.077	.543	-.007
230	1108	-.432	.078	-.199	-.697	230	1203	.137	.167	.703	-.365	230	1253	.121	.090	.546	-.145
230	1109	-.423	.076	-.179	-.688	230	1204	.148	.166	.715	-.404	230	1254	-.093	.053	.203	-.278
230	1110	-.411	.075	-.186	-.718	230	1205	.131	.169	.744	-.381	230	1255	.034	.055	.360	-.127
230	1111	-.415	.076	-.185	-.824	230	1206	.102	.169	.684	-.496	230	1256	.177	.072	.553	-.003
230	1112	-.431	.078	-.202	-.802	230	1207	.113	.177	.655	-.515	230	1257	.232	.078	.617	.043
230	1113	-.440	.079	-.204	-.942	230	1208	.040	.161	.639	-.529	230	1258	.237	.088	.698	.014
230	1114	-.435	.076	-.224	-.804	230	1209	.228	.186	.886	-.318	230	1259	.193	.093	.584	-.005
230	1115	-.424	.072	-.222	-.725	230	1210	.368	.196	1.079	-.143	230	1260	.147	.087	.579	-.155
230	1116	-.389	.078	-.157	-.874	230	1211	.396	.200	1.112	-.103	230	1301	-.034	.215	.593	-1.020
230	1117	-.374	.077	-.126	-.757	230	1212	.410	.201	1.182	-.121	230	1302	.024	.138	.559	-.885
230	1118	-.373	.078	-.106	-.754	230	1213	.370	.190	.981	-.198	230	1303	-.034	.107	.344	-.466
230	1119	-.379	.080	-.125	-.745	230	1214	.276	.197	.923	-.406	230	1304	-.075	.095	.231	-.469
230	1120	-.395	.075	-.175	-.711	230	1215	.030	.144	.601	-.343	230	1305	-.032	.113	.373	-.510
230	1121	-.386	.070	-.165	-.697	230	1216	.169	.157	.830	-.175	230	1306	.250	.215	1.002	-.386
230	1122	-.374	.075	-.134	-.709	230	1217	.316	.159	.949	-.009	230	1307	-.008	.115	.413	-.454
230	1123	-.355	.078	-.075	-.735	230	1218	.354	.159	.952	-.011	230	1308	-.120	.087	.224	-.434
230	1124	-.350	.073	-.100	-.638	230	1219	.353	.160	1.133	-.026	230	1309	-.205	.074	.146	-.487
230	1125	-.343	.070	-.115	-.631	230	1220	.296	.164	1.095	-.167	230	1310	.083	.242	.795	-.872
230	1126	-.336	.062	-.126	-.578	230	1221	.201	.173	1.105	-.352	230	1311	.153	.188	.745	-.838
230	1127	-.330	.060	-.144	-.605	230	1222	-.022	.127	.678	-.366	230	1312	.115	.118	.512	-.346
230	1128	-.319	.064	-.142	-.626	230	1223	.124	.133	.864	-.249	230	1313	.108	.115	.523	-.244
230	1129	-.316	.067	-.112	-.676	230	1224	.269	.126	.802	-.012	230	1314	.114	.108	.521	-.253
230	1130	-.313	.066	-.082	-.687	230	1225	.300	.116	.819	.009	230	1315	.357	.221	1.157	-.287
230	1131	-.344	.073	-.160	-.724	230	1226	.300	.117	.820	.010	230	1316	.077	.115	.512	-.307
230	1132	-.337	.066	-.166	-.648	230	1227	.238	.129	.780	-.147	230	1317	-.091	.080	.309	-.362
230	1133	-.314	.059	-.147	-.546	230	1228	.193	.154	.757	-.288	230	1318	-.240	.065	.007	-.490

APPENDIX A -- PRESSURE DATA :   CONFIGURATION A : GATEWAY PROJECT TOWERS

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
230	1319	.098	.217	.700	-.791	230	1369	.080	.112	.488	-.338	230	1442	-.332	.070	-.117	-.610
230	1320	.148	.181	.676	-.675	230	1370	.105	.105	.478	-.302	230	1443	-.332	.071	-.116	-.586
230	1321	.137	.116	.679	-.174	230	1371	.103	.078	.502	-.153	230	1444	-.320	.068	-.150	-.596
230	1322	.131	.107	.519	-.192	230	1372	.083	.070	.414	-.130	230	1445	-.325	.067	-.150	-.619
230	1323	.117	.107	.593	-.207	230	1373	.097	.079	.508	-.090	230	1446	-.328	.064	-.133	-.614
230	1324	.265	.175	.967	-.187	230	1374	.141	.086	.606	-.076	230	1447	-.325	.068	-.112	-.577
230	1325	.024	.105	.536	-.350	230	1375	.021	.062	.412	-.131	230	1448	-.328	.067	-.106	-.587
230	1326	-.134	.074	.169	-.433	230	1376	-.093	.046	.106	-.248	230	1449	-.333	.072	-.043	-.663
230	1327	-.225	.064	.021	-.453	230	1377	-.163	.049	.013	-.373	230	1450	-.312	.078	-.123	-.647
230	1328	.054	.216	.807	-.890	230	1401	-.404	.084	-.107	-.759	230	1451	-.311	.066	-.118	-.590
230	1329	.108	.185	.856	-.824	230	1402	-.420	.091	-.121	-.756	230	1452	-.323	.065	.079	-.582
230	1330	.109	.106	.742	-.217	230	1403	-.436	.095	-.176	-.858	230	1453	-.326	.068	-.018	-.593
230	1331	.096	.101	.479	-.210	230	1404	-.426	.090	-.111	-.777	230	1454	-.302	.076	-.078	-.593
230	1332	.087	.095	.464	-.211	230	1405	-.460	.097	-.146	-.830	230	1455	-.307	.075	-.110	-.677
230	1333	.203	.149	.833	-.143	230	1406	-.462	.098	-.182	-1.023	230	1456	-.313	.070	-.121	-.657
230	1334	-.003	.097	.462	-.443	230	1407	-.479	.098	-.201	-.961	230	1457	-.312	.068	-.099	-.663
230	1335	-.125	.069	.293	-.391	230	1408	-.407	.078	-.160	-.751	230	1458	-.315	.064	-.121	-.652
230	1336	-.203	.061	.092	-.433	230	1409	-.417	.079	-.191	-.702	230	1459	-.326	.066	-.039	-.631
230	1337	.037	.179	.667	-.676	230	1410	-.423	.080	-.172	-.794	230	1460	-.333	.065	-.016	-.638
230	1338	.078	.163	.682	-.813	230	1411	-.409	.075	-.208	-.716	230	1461	-.322	.063	-.152	-.561
230	1339	.109	.105	.605	-.257	230	1412	-.440	.080	-.233	-.796	230	1901	-.525	.113	-.162	-1.130
230	1340	.098	.095	.524	-.187	230	1413	-.451	.080	-.152	-.774	230	1902	-.449	.126	.051	-1.014
230	1341	.086	.094	.482	-.174	230	1414	-.459	.082	-.183	-.790	230	1903	-.525	.136	-.141	-1.251
230	1342	.175	.141	.910	-.238	230	1415	-.390	.078	-.023	-.712	230	1904	-.534	.116	-.237	-1.173
230	1343	-.007	.089	.446	-.305	230	1416	-.391	.080	-.158	-.726	230	1905	-.545	.123	-.162	-1.150
230	1344	-.111	.063	.196	-.303	230	1417	-.401	.079	-.170	-.714	230	1906	-.540	.135	-.134	-1.206
230	1345	-.185	.059	.056	-.395	230	1418	-.399	.082	-.151	-.699	230	1907	-.519	.117	-.174	-1.133
230	1346	.036	.161	.571	-.656	230	1419	-.396	.081	-.109	-.668	230	1908	-.516	.109	-.200	-1.110
230	1347	.082	.138	.574	-.474	230	1420	-.424	.080	-.139	-.757	230	1909	-.541	.116	-.205	-1.137
230	1348	.076	.080	.434	-.127	230	1421	-.441	.079	-.182	-.744	230	1910	-.318	.067	-.074	-.622
230	1349	.066	.076	.422	-.128	230	1422	-.344	.068	-.119	-.567	230	1911	-.320	.070	-.032	-.636
230	1350	.059	.074	.411	-.146	230	1423	-.360	.068	-.037	-.628	230	2101	-.007	.166	.551	-.571
230	1351	.143	.130	.922	-.247	230	1424	-.383	.071	-.131	-.748	230	2102	.023	.185	.824	-.577
230	1352	-.019	.077	.311	-.263	230	1425	-.375	.074	-.090	-.709	230	2103	.002	.203	.784	-.824
230	1353	-.118	.060	.136	-.345	230	1426	-.366	.076	-.012	-.681	230	2104	-.084	.191	.715	-.902
230	1354	-.193	.057	.015	-.465	230	1427	-.378	.077	-.058	-.756	230	2105	-.179	.168	.508	-1.008
230	1355	.031	.137	.504	-.525	230	1428	-.379	.078	-.078	-.661	230	2106	-.241	.208	.488	-1.703
230	1356	.062	.124	.467	-.553	230	1429	-.317	.064	-.062	-.548	230	2107	-.075	.140	.607	-.618
230	1357	.069	.074	.365	-.204	230	1430	-.321	.064	-.074	-.566	230	2108	-.026	.164	.703	-.474
230	1358	.059	.073	.336	-.232	230	1431	-.334	.063	-.144	-.603	230	2109	-.081	.155	.714	-.605
230	1359	.054	.065	.350	-.213	230	1432	-.332	.070	-.122	-.692	230	2110	-.168	.137	.461	-.649
230	1360	.109	.107	.763	-.200	230	1433	-.312	.068	-.047	-.604	230	2111	-.287	.126	.228	-.997
230	1361	-.047	.063	.228	-.322	230	1434	-.321	.073	-.085	-.621	230	2112	-.329	.137	.043	-1.085
230	1362	-.142	.050	.054	-.330	230	1435	-.340	.080	-.074	-.747	230	2113	-.143	.168	.560	-.774
230	1363	-.207	.052	-.037	-.426	230	1436	-.320	.068	-.129	-.607	230	2114	-.132	.172	.734	-.777
230	1364	.043	.110	.449	-.466	230	1437	-.322	.066	-.140	-.606	230	2115	-.199	.157	.578	-.703
230	1365	.078	.067	.386	-.155	230	1438	-.335	.067	-.142	-.608	230	2116	-.289	.124	.325	-.702
230	1366	.069	.081	.471	-.295	230	1439	-.322	.063	-.141	-.574	230	2117	-.357	.099	.177	-.807
230	1367	-.040	.055	.374	-.276	230	1440	-.320	.067	-.078	-.583	230	2118	-.385	.097	.023	-.779
230	1368	-.196	.049	-.002	-.391	230	1441	-.319	.065	-.085	-.556	230	2119	-.202	.183	.607	-1.232

APPENDIX A -- PRESSURE DATA ;   CONFIGURATION A : GATEWAY PROJECT TOWERS

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
230	2120	-.195	.175	.800	-.888
230	2121	-.239	.147	.877	-.705
230	2122	-.302	.105	.284	-.711
230	2123	-.349	.082	.001	-.640
230	2124	-.368	.086	-.122	-.796
230	2125	-.269	.182	.477	-1.423
230	2126	-.258	.161	.478	-1.063
230	2127	-.280	.118	.297	-.723
230	2128	-.323	.091	.082	-.725
230	2129	-.354	.076	-.068	-.703
230	2130	-.360	.072	-.132	-.713
230	2131	-.267	.181	.306	-1.564
230	2132	-.260	.163	.348	-1.072
230	2133	-.283	.120	.394	-.731
230	2134	-.325	.091	.163	-.634
230	2135	-.325	.070	.010	-.609
230	2136	-.324	.067	-.051	-.721
230	2137	-.201	.158	.327	-1.052
230	2138	-.195	.143	.363	-.917
230	2139	-.249	.124	.450	-.730
230	2140	-.311	.103	.307	-.815
230	2141	-.303	.064	-.075	-.603
230	2142	-.299	.060	-.085	-.666
230	2143	-.167	.169	.441	-1.280
230	2144	-.207	.134	.417	-.728
230	2145	-.284	.114	.325	-.845
230	2146	-.296	.065	.077	-.578
230	2147	-.282	.102	.320	-.696
230	2148	-.294	.072	.112	-.572
230	2149	-.300	.062	-.039	-.598
230	2150	-.205	.136	.111	-1.001
230	2151	-.192	.138	.194	-.912
230	2152	-.231	.116	.314	-.684
230	2153	-.283	.091	.206	-.565
230	2154	-.283	.091	.275	-.562
230	2155	-.259	.087	.164	-.521
230	2201	-.157	.198	.765	-.888
230	2202	-.125	.219	.778	-.875
230	2203	-.030	.267	.905	-.945
230	2204	-.080	.281	.974	-1.136
230	2205	-.208	.225	.965	-1.002
230	2206	-.214	.182	.845	-.814
230	2207	-.199	.216	.701	-1.071
230	2208	-.306	.124	.098	-1.082
230	2209	-.301	.114	.126	-.928
230	2210	-.301	.118	.316	-.709
230	2211	-.308	.110	.123	-.861
230	2212	-.350	.103	.064	-.726
230	2213	-.362	.140	.367	-1.079
230	2214	-.339	.174	.540	-1.332

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
230	2215	-.437	.126	-.051	-1.364
230	2216	-.421	.105	-.130	-.983
230	2217	-.416	.091	.006	-.818
230	2218	-.422	.101	-.046	-1.166
230	2219	-.431	.124	-.064	-1.115
230	2220	-.430	.159	.125	-1.210
230	2221	-.442	.194	.268	-1.450
230	2222	-.420	.124	-.068	-1.360
230	2223	-.415	.117	-.100	-1.151
230	2224	-.391	.086	-.112	-.922
230	2225	-.394	.096	-.121	-1.073
230	2226	-.399	.109	-.097	-1.137
230	2227	-.415	.146	-.044	-1.542
230	2228	-.420	.171	.193	-1.367
230	2229	-.373	.084	-.159	-1.032
230	2230	-.372	.084	-.139	-1.048
230	2231	-.371	.080	-.105	-.862
230	2232	-.376	.082	-.156	-.758
230	2233	-.381	.090	-.145	-.881
230	2234	-.393	.128	.025	-1.174
230	2235	-.402	.155	.275	-1.409
230	2236	-.332	.065	-.168	-.657
230	2237	-.332	.064	-.135	-.687
230	2238	-.341	.065	-.183	-.657
230	2239	-.351	.073	-.130	-.726
230	2240	-.360	.087	-.128	-.796
230	2241	-.368	.121	-.031	-1.217
230	2242	-.381	.159	.115	-1.351
230	2243	-.314	.063	-.039	-.668
230	2244	-.312	.058	-.133	-.561
230	2245	-.339	.062	-.147	-.641
230	2246	-.348	.074	-.168	-.785
230	2247	-.336	.081	-.161	-.744
230	2248	-.331	.113	.272	-1.152
230	2249	-.331	.152	.438	-1.197
230	2250	-.311	.064	-.093	-.688
230	2251	-.348	.071	-.082	-.710
230	2252	-.312	.071	-.142	-.730
230	2253	-.230	.147	.375	-1.253
230	2254	-.292	.073	.002	-.566
230	2255	-.296	.057	-.107	-.514
230	2256	-.310	.061	-.065	-.592
230	2257	-.337	.070	-.111	-.733
230	2258	-.340	.081	-.132	-.958
230	2259	-.300	.072	-.073	-.747
230	2260	-.140	.125	.422	-.704
230	2261	-.068	.165	.623	-.930
230	2301	-.310	.138	.101	-1.077
230	2302	-.273	.138	.139	-.841
230	2303	-.239	.125	.146	-.936

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
230	2304	-.234	.116	.115	-.886
230	2305	-.224	.126	.241	-1.181
230	2306	-.226	.126	.349	-.842
230	2307	-.234	.116	.134	-1.121
230	2308	-.227	.107	.118	-.998
230	2309	-.233	.114	.146	-1.044
230	2310	-.283	.148	.248	-1.054
230	2311	-.266	.145	.223	-1.142
230	2312	-.248	.125	.239	-.838
230	2313	-.229	.108	.102	-.736
230	2314	-.225	.109	.144	-.885
230	2315	-.226	.109	.180	-.866
230	2316	-.231	.112	.050	-1.196
230	2317	-.235	.106	.028	-1.046
230	2318	-.236	.108	.020	-.982
230	2319	-.287	.153	.277	-1.149
230	2320	-.259	.138	.193	-.915
230	2321	-.241	.120	.110	-.981
230	2322	-.225	.104	.100	-.785
230	2323	-.224	.106	.101	-.758
230	2324	-.234	.101	.175	-.636
230	2325	-.234	.092	.056	-.660
230	2326	-.245	.097	.034	-.706
230	2327	-.253	.105	-.018	-.790
230	2328	-.292	.145	.302	-1.031
230	2329	-.272	.143	.237	-.849
230	2330	-.259	.138	.148	-.970
230	2331	-.236	.108	.103	-.657
230	2332	-.247	.114	.130	-.715
230	2333	-.239	.107	.143	-.756
230	2334	-.248	.108	.076	-.653
230	2335	-.251	.109	-.019	-.768
230	2336	-.263	.115	-.036	-.737
230	2337	-.267	.126	.280	-.876
230	2338	-.251	.123	.235	-.740
230	2339	-.246	.130	.174	-.901
230	2340	-.225	.105	.122	-.700
230	2341	-.240	.116	.141	-.744
230	2342	-.243	.118	.108	-.704
230	2343	-.244	.106	.049	-.665
230	2344	-.260	.115	.037	-.730
230	2345	-.277	.138	.041	-1.010
230	2346	-.284	.146	.284	-1.287
230	2347	-.265	.132	.146	-1.058
230	2348	-.267	.153	.111	-1.321
230	2349	-.241	.119	.093	-.859
230	2350	-.249	.121	.138	-.897
230	2351	-.251	.126	.160	-1.084
230	2352	-.252	.116	.095	-1.071
230	2353	-.261	.120	.004	-.909

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
230	2354	-.272	.131	-.014	-.964
230	2355	-.310	.179	.208	-1.279
230	2356	-.296	.174	.146	-1.210
230	2357	-.282	.171	.110	-1.552
230	2358	-.265	.142	.068	-1.046
230	2359	-.254	.133	.129	-.871
230	2360	-.259	.140	.157	-1.069
230	2361	-.266	.130	.041	-.964
230	2362	-.246	.105	.008	-.752
230	2363	-.245	.109	.020	-.810
230	2364	-.335	.218	.316	-1.612
230	2365	-.277	.171	.113	-1.145
230	2366	-.252	.140	.033	-.991
230	2367	-.238	.111	.039	-.806
230	2368	-.220	.097	.037	-.769
230	2369	-.341	.258	.220	-2.737
230	2370	-.309	.229	.170	-2.212
230	2371	-.247	.163	.126	-1.369
230	2372	-.228	.129	.113	-1.035
230	2373	-.207	.117	.225	-.773
230	2374	-.207	.126	.289	-.737
230	2375	-.204	.099	.068	-.672
230	2376	-.196	.085	.016	-.702
230	2377	-.209	.096	.012	-.734
230	2401	-.227	.093	.056	-.792
230	2402	-.215	.085	.058	-.679
230	2403	-.201	.071	.019	-.533
230	2404	-.204	.070	.008	-.613
230	2405	-.206	.080	.016	-.672
230	2406	-.198	.086	.074	-.824
230	2407	-.206	.095	.113	-.832
230	2408	-.235	.091	.005	-.871
230	2409	-.227	.078	.018	-.747
230	2410	-.212	.063	.034	-.598
230	2411	-.209	.066	-.009	-.637
230	2412	-.211	.077	-.012	-.722
230	2413	-.211	.084	-.002	-.695
230	2414	-.208	.091	.048	-.789
230	2415	-.235	.078	-.043	-.679
230	2416	-.216	.066	.007	-.560
230	2417	-.209	.053	-.065	-.458
230	2418	-.218	.058	-.071	-.474
230	2419	-.228	.088	.025	-.724
230	2420	-.237	.127	.092	-1.247
230	2421	-.242	.128	.057	-1.232
230	2422	-.230	.077	-.050	-.557
230	2423	-.213	.065	-.062	-.489
230	2424	-.195	.043	.014	-.390
230	2425	-.203	.055	-.053	-.445
230	2426	-.226	.080	-.006	-.706
230	2427	-.233	.111	.070	-1.159
230	2428	-.246	.127	.153	-1.493
230	2429	-.233	.089	-.002	-.708
230	2430	-.214	.071	-.000	-.571
230	2431	-.186	.045	-.006	-.412
230	2432	-.186	.044	-.063	-.423
230	2433	-.204	.066	.015	-.655
230	2434	-.219	.080	.043	-.732
230	2435	-.231	.089	.047	-.802
230	2436	-.232	.094	-.016	-.685
230	2437	-.218	.078	.001	-.725
230	2438	-.192	.049	-.048	-.501
230	2439	-.186	.044	-.040	-.400
230	2440	-.199	.062	-.009	-.631
230	2441	-.209	.076	.047	-.639
230	2442	-.218	.077	.037	-.607
230	2443	-.225	.083	.038	-.655
230	2444	-.211	.073	.031	-.549
230	2445	-.191	.054	.014	-.490
230	2446	-.184	.043	-.040	-.390
230	2447	-.195	.055	-.053	-.482
230	2448	-.200	.070	-.004	-.642
230	2449	-.208	.075	.019	-.701
230	2450	-.209	.079	.045	-.538
230	2451	-.189	.054	-.027	-.458
230	2452	-.184	.058	-.017	-.546
230	2453	-.191	.070	.023	-.673
230	2454	-.200	.074	.037	-.600
230	2455	-.206	.074	.057	-.501
230	2456	-.196	.068	.017	-.480
230	2457	-.182	.050	-.032	-.395
230	2458	-.171	.039	.008	-.380
230	2459	-.182	.054	-.027	-.561
230	2460	-.190	.071	.018	-.658
230	2461	-.190	.076	.016	-.894
230	2901	-.004	.158	.765	-.529
230	2902	.054	.177	1.007	-.467
230	2903	.073	.179	.869	-.443
230	2904	-.056	.137	.437	-.617
230	2905	-.026	.155	.684	-.555
230	2906	-.033	.138	.591	-.533
230	2907	-.109	.119	.315	-.559
230	2908	-.115	.113	.295	-.533
230	2909	-.145	.124	.339	-.595
230	2910	-.299	.081	.085	-.612
230	2911	-.261	.084	.075	-.615
240	1101	-.406	.083	-.147	-.885
240	1102	-.388	.077	-.088	-.773
240	1103	-.375	.069	-.084	-.675
240	1104	-.359	.066	-.108	-.666
240	1105	-.338	.064	-.088	-.666
240	1106	-.333	.068	-.106	-.852
240	1107	-.381	.067	-.169	-.659
240	1108	-.376	.063	-.168	-.646
240	1109	-.357	.060	-.159	-.631
240	1110	-.345	.060	-.164	-.630
240	1111	-.331	.061	-.142	-.699
240	1112	-.343	.066	-.144	-.785
240	1113	-.385	.075	-.163	-.736
240	1114	-.369	.070	-.143	-.738
240	1115	-.345	.061	-.126	-.616
240	1116	-.337	.061	-.167	-.696
240	1117	-.320	.061	-.138	-.621
240	1118	-.316	.063	-.129	-.619
240	1119	-.380	.084	-.112	-.961
240	1120	-.352	.073	-.130	-.640
240	1121	-.320	.059	-.132	-.531
240	1122	-.300	.061	-.124	-.552
240	1123	-.284	.064	-.071	-.721
240	1124	-.304	.068	-.053	-.628
240	1125	-.361	.085	-.113	-1.004
240	1126	-.343	.072	-.161	-.808
240	1127	-.311	.060	-.138	-.638
240	1128	-.291	.059	-.140	-.564
240	1129	-.282	.063	-.081	-.536
240	1130	-.278	.062	-.053	-.539
240	1131	-.368	.088	-.147	-.931
240	1132	-.354	.078	-.143	-.752
240	1133	-.313	.068	-.132	-.608
240	1134	-.294	.063	-.099	-.544
240	1135	-.295	.071	-.022	-.934
240	1136	-.278	.064	-.096	-.522
240	1137	-.333	.091	-.135	-.999
240	1138	-.333	.085	-.093	-.792
240	1139	-.316	.075	-.076	-.940
240	1140	-.304	.074	-.068	-.966
240	1141	-.295	.072	-.066	-.842
240	1142	-.290	.073	-.053	-.667
240	1143	-.319	.093	-.076	-1.045
240	1144	-.328	.089	-.109	-1.236
240	1145	-.320	.089	-.080	-1.072
240	1146	-.297	.077	-.036	-.685
240	1147	-.306	.091	-.057	-.952
240	1148	-.314	.091	-.081	-1.285
240	1149	-.308	.084	-.104	-1.173
240	1150	-.298	.087	-.052	-1.315
240	1151	-.307	.073	-.130	-.701
240	1152	-.300	.078	-.051	-.882
240	1153	-.303	.081	-.095	-.844
240	1154	-.284	.085	-.049	-.824

APPENDIX A -- PRESSURE DATA ;   CONFIGURATION A : GATEWAY PROJECT TOWERS

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
240	1155	-.291	.087	-.013	-.875
240	1201	.203	.148	.749	-.385
240	1202	.238	.148	.779	-.282
240	1203	.204	.144	.654	-.248
240	1204	.178	.144	.752	-.271
240	1205	.124	.138	.639	-.343
240	1206	.028	.131	.470	-.488
240	1207	-.057	.125	.403	-.596
240	1208	.245	.142	.695	-.207
240	1209	.422	.169	1.058	-.169
240	1210	.495	.182	1.164	-.054
240	1211	.449	.181	1.127	-.093
240	1212	.379	.168	.975	-.070
240	1213	.171	.148	.712	-.299
240	1214	-.078	.151	.532	-.662
240	1215	.238	.138	.743	-.285
240	1216	.371	.164	.853	-.137
240	1217	.478	.175	1.034	.034
240	1218	.450	.166	.981	.044
240	1219	.353	.142	.847	.003
240	1220	.113	.108	.533	-.327
240	1221	-.101	.115	.353	-.483
240	1222	.201	.129	.632	-.322
240	1223	.346	.150	.840	-.257
240	1224	.419	.158	1.020	-.004
240	1225	.392	.147	.993	.026
240	1226	.302	.124	.823	.011
240	1227	.099	.085	.474	-.204
240	1228	-.069	.105	.523	-.479
240	1229	.128	.118	.602	-.189
240	1230	.250	.135	.720	-.094
240	1231	.340	.141	.861	-.022
240	1232	.330	.128	.933	-.070
240	1233	.256	.106	.819	-.026
240	1234	.083	.082	.482	-.161
240	1235	-.037	.089	.305	-.330
240	1236	.019	.107	.430	-.370
240	1237	.175	.122	.641	-.303
240	1238	.265	.122	.826	-.121
240	1239	.255	.107	.785	-.065
240	1240	.222	.097	.673	-.027
240	1241	.087	.085	.735	-.201
240	1242	-.031	.104	.536	-.395
240	1243	-.006	.106	.480	-.415
240	1244	.110	.110	.742	-.320
240	1245	.185	.093	.639	-.098
240	1246	.194	.082	.628	-.020
240	1247	.164	.069	.530	-.038
240	1248	.071	.074	.529	-.184
240	1249	-.008	.094	.434	-.357

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
240	1250	-.064	.090	.387	-.346
240	1251	.187	.090	.611	-.026
240	1252	.169	.066	.623	-.005
240	1253	.018	.075	.360	-.298
240	1254	-.034	.070	.315	-.231
240	1255	.100	.085	.470	-.081
240	1256	.238	.108	.740	-.001
240	1257	.268	.101	.716	.046
240	1258	.233	.084	.648	.048
240	1259	.132	.067	.440	-.040
240	1260	.051	.084	.466	-.370
240	1301	-.456	.231	.399	-1.850
240	1302	-.215	.181	.390	-.960
240	1303	-.148	.091	.270	-.645
240	1304	-.159	.086	.147	-.691
240	1305	-.122	.098	.315	-.632
240	1306	.232	.224	.963	-.499
240	1307	-.103	.091	.358	-.461
240	1308	-.155	.075	.173	-.610
240	1309	-.200	.074	.067	-.581
240	1310	-.451	.229	.632	-1.296
240	1311	-.313	.249	.594	-1.223
240	1312	-.064	.091	.392	-.909
240	1313	-.049	.085	.345	-.543
240	1314	-.047	.082	.375	-.367
240	1315	.226	.191	1.022	-.474
240	1316	-.041	.087	.390	-.442
240	1317	-.146	.065	.136	-.451
240	1318	-.231	.068	.038	-.521
240	1319	-.427	.210	.268	-1.234
240	1320	-.384	.227	.335	-1.232
240	1321	-.048	.098	.384	-.929
240	1322	-.043	.078	.254	-.617
240	1323	-.037	.068	.406	-.453
240	1324	-.106	.125	.627	-.557
240	1325	-.088	.065	.338	-.397
240	1326	-.161	.055	.075	-.429
240	1327	-.207	.061	.025	-.432
240	1328	-.387	.197	.379	-1.062
240	1329	-.338	.220	.356	-1.072
240	1330	-.058	.101	.188	-.898
240	1331	-.049	.081	.321	-.694
240	1332	-.053	.071	.271	-.617
240	1333	.069	.119	.723	-.707
240	1334	-.087	.063	.280	-.587
240	1335	-.147	.050	.102	-.351
240	1336	-.192	.051	.006	-.389
240	1337	-.324	.166	.291	-.984
240	1338	-.300	.190	.300	-1.096
240	1339	-.065	.114	.197	-.798

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
240	1340	-.059	.090	.192	-.745
240	1341	-.052	.079	.190	-.508
240	1342	.048	.129	.532	-.698
240	1343	-.081	.067	.242	-.394
240	1344	-.132	.049	.101	-.391
240	1345	-.175	.050	.032	-.359
240	1346	-.274	.169	.293	-1.000
240	1347	-.234	.201	.420	-1.123
240	1348	-.048	.097	.232	-.787
240	1349	-.040	.086	.238	-.668
240	1350	-.034	.074	.229	-.478
240	1351	.061	.114	.582	-.586
240	1352	-.086	.057	.185	-.347
240	1353	-.136	.048	.070	-.410
240	1354	-.182	.049	-.014	-.421
240	1355	-.174	.156	.491	-1.206
240	1356	-.127	.160	.451	-1.021
240	1357	-.022	.080	.347	-.641
240	1358	-.008	.064	.277	-.433
240	1359	.000	.055	.273	-.427
240	1360	.039	.097	.514	-.505
240	1361	-.077	.054	.206	-.374
240	1362	-.138	.045	.059	-.350
240	1363	-.186	.051	-.012	-.427
240	1364	-.122	.124	.335	-.824
240	1365	-.002	.071	.284	-.640
240	1366	.043	.080	.569	-.405
240	1367	-.060	.047	.197	-.363
240	1368	-.177	.043	-.022	-.399
240	1369	-.073	.137	.361	-.998
240	1370	-.029	.131	.350	-.895
240	1371	.058	.060	.385	-.228
240	1372	.027	.055	.310	-.219
240	1373	.049	.056	.370	-.179
240	1374	.135	.090	.581	-.195
240	1375	-.004	.045	.214	-.168
240	1376	-.102	.036	.027	-.241
240	1377	-.144	.042	-.007	-.311
240	1401	-.309	.086	.011	-.658
240	1402	-.299	.093	.015	-.655
240	1403	-.327	.092	.023	-.704
240	1404	-.336	.084	-.030	-.854
240	1405	-.407	.087	-.121	-.703
240	1406	-.408	.085	-.047	-.811
240	1407	-.416	.083	-.101	-.791
240	1408	-.316	.077	-.087	-.653
240	1409	-.318	.076	-.056	-.629
240	1410	-.332	.073	-.101	-.588
240	1411	-.343	.069	-.075	-.597
240	1412	-.365	.072	-.121	-.679

APPENDIX A -- PRESSURE DATA ;   CONFIGURATION A ; GATEWAY PROJECT TOWERS

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
240	1413	-.388	.069	-.123	-.659
240	1414	-.392	.071	-.152	-.686
240	1415	-.272	.076	.014	-.478
240	1416	-.284	.072	-.021	-.574
240	1417	-.307	.067	.032	-.583
240	1418	-.310	.072	-.036	-.639
240	1419	-.325	.074	.206	-.604
240	1420	-.348	.075	-.047	-.598
240	1421	-.388	.078	-.123	-.701
240	1422	-.250	.066	-.032	-.475
240	1423	-.251	.063	.030	-.481
240	1424	-.254	.060	.116	-.593
240	1425	-.267	.061	.040	-.586
240	1426	-.271	.067	.058	-.594
240	1427	-.306	.073	.089	-.641
240	1428	-.343	.076	-.009	-.638
240	1429	-.241	.055	-.019	-.445
240	1430	-.238	.055	-.002	-.446
240	1431	-.244	.054	-.053	-.458
240	1432	-.254	.061	.062	-.484
240	1433	-.272	.065	.032	-.512
240	1434	-.302	.074	.067	-.659
240	1435	-.334	.079	.046	-.755
240	1436	-.244	.061	.029	-.498
240	1437	-.257	.059	.010	-.507
240	1438	-.255	.059	-.034	-.484
240	1439	-.254	.064	.013	-.498
240	1440	-.276	.076	.202	-.541
240	1441	-.326	.079	.062	-.657
240	1442	-.351	.085	-.049	-.728
240	1443	-.268	.066	-.080	-.494
240	1444	-.255	.059	-.081	-.503
240	1445	-.258	.058	-.086	-.485
240	1446	-.272	.063	-.077	-.613
240	1447	-.292	.067	.001	-.559
240	1448	-.321	.071	-.069	-.630
240	1449	-.334	.078	-.135	-.742
240	1450	-.257	.065	-.065	-.513
240	1451	-.270	.055	-.103	-.492
240	1452	-.291	.065	.007	-.552
240	1453	-.322	.078	-.095	-.698
240	1454	-.248	.061	-.058	-.534
240	1455	-.249	.061	-.073	-.525
240	1456	-.257	.058	-.071	-.512
240	1457	-.267	.058	-.07[illegible]	-.494
240	1458	-.280	.063	.13[illegible]	-.558
240	1459	-.287	.072	-.051	-.591
240	1460	-.297	.073	-.054	-.669
240	1461	-.300	.073	-.121	-.656
240	1901	-.409	.090	-.105	-.809

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
240	1902	-.367	.103	.144	-.884
240	1903	-.381	.124	.030	-.975
240	1904	-.405	.080	-.145	-1.009
240	1905	-.434	.093	-.127	-.866
240	1906	-.434	.123	-.025	-1.033
240	1907	-.405	.075	-.161	-.782
240	1908	-.405	.074	-.166	-.776
240	1909	-.441	.097	-.177	-.859
240	1910	-.307	.072	-.094	-.652
240	1911	-.306	.078	-.070	-.701
240	2101	.108	.152	.822	-.553
240	2102	.175	.189	.822	-.498
240	2103	.191	.230	.971	-.717
240	2104	.078	.235	.885	-.731
240	2105	-.086	.197	.712	-.767
240	2106	-.155	.183	.554	-.845
240	2107	.039	.133	.560	-.525
240	2108	.139	.179	.730	-.518
240	2109	.132	.245	1.045	-.465
240	2110	.008	.211	.856	-.618
240	2111	-.183	.149	.473	-.607
240	2112	-.266	.135	.362	-.715
240	2113	.007	.167	.513	-.613
240	2114	.062	.202	.717	-.587
240	2115	.022	.236	.927	-.566
240	2116	-.117	.196	.703	-.605
240	2117	-.267	.118	.349	-.645
240	2118	-.350	.118	.218	-.855
240	2119	-.030	.162	.560	-.902
240	2120	.014	.194	.783	-.766
240	2121	-.056	.220	.751	-.706
240	2122	-.178	.164	.501	-.594
240	2123	-.291	.101	.340	-.651
240	2124	-.337	.097	.107	-.938
240	2125	-.050	.172	.529	-.763
240	2126	-.022	.191	.642	-.647
240	2127	-.079	.199	.778	-.616
240	2128	-.189	.156	.565	-.695
240	2129	-.268	.097	.194	-.706
240	2130	-.299	.085	.065	-.657
240	2131	-.040	.145	.547	-.666
240	2132	-.007	.168	.627	-.603
240	2133	-.087	.178	.580	-.659
240	2134	-.195	.138	.443	-.688
240	2135	-.281	.091	.235	-.659
240	2136	-.304	.089	.111	-.804
240	2137	-.048	.122	.441	-.895
240	2138	-.018	.142	.496	-.640
240	2139	-.040	.172	.709	-.646
240	2140	-.131	.153	.696	-.552

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
240	2141	-.234	.098	.245	-.675
240	2142	-.299	.101	.026	-.812
240	2143	-.049	.103	.439	-.508
240	2144	.006	.149	.618	-.529
240	2145	-.076	.147	.603	-.546
240	2146	-.247	.101	.252	-.692
240	2147	-.111	.129	.547	-.563
240	2148	-.181	.100	.319	-.594
240	2149	-.225	.080	.277	-.571
240	2150	-.070	.076	.235	-.402
240	2151	-.031	.094	.394	-.378
240	2152	-.015	.132	.453	-.485
240	2153	-.084	.135	.538	-.454
240	2154	-.064	.149	.680	-.474
240	2155	-.110	.113	.475	-.413
240	2201	-.254	.216	.663	-1.323
240	2202	-.216	.181	.714	-1.018
240	2203	-.206	.185	.700	-1.028
240	2204	-.159	.220	.855	-1.413
240	2205	-.132	.227	1.035	-.900
240	2206	-.181	.195	.781	-.858
240	2207	-.197	.198	.719	-1.307
240	2208	-.396	.196	.189	-1.312
240	2209	-.347	.162	.130	-1.254
240	2210	-.278	.100	.230	-.766
240	2211	-.280	.096	.252	-.693
240	2212	-.295	.102	.129	-.718
240	2213	-.327	.125	.221	-1.302
240	2214	-.325	.139	.306	-1.031
240	2215	-.502	.207	-.003	-1.681
240	2216	-.455	.180	.057	-1.459
240	2217	-.339	.087	.090	-.961
240	2218	-.327	.081	.051	-.752
240	2219	-.326	.090	-.061	-.821
240	2220	-.325	.112	.146	-1.012
240	2221	-.327	.118	.241	-1.163
240	2222	-.411	.164	-.056	-1.550
240	2223	-.395	.146	-.041	-1.394
240	2224	-.341	.094	-.067	-.824
240	2225	-.310	.076	-.027	-.784
240	2226	-.299	.078	-.069	-.734
240	2227	-.293	.092	-.012	-.880
240	2228	-.286	.089	-.039	-.932
240	2229	-.383	.151	-.110	-1.533
240	2230	-.372	.138	-.034	-1.568
240	2231	-.321	.084	-.032	-.896
240	2232	-.302	.069	-.086	-.712
240	2233	-.285	.072	-.112	-.742
240	2234	-.282	.089	-.082	-.963
240	2235	-.284	.097	-.073	-1.305

APPENDIX A -- PRESSURE DATA ;   CONFIGURATION A : GATEWAY PROJECT TOWERS

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
240	2236	-.399	.161	-.102	-1.373
240	2237	-.381	.142	-.117	-1.241
240	2238	-.320	.084	-.076	-.947
240	2239	-.292	.066	-.066	-.713
240	2240	-.275	.065	-.034	-.632
240	2241	-.273	.081	-.093	-.845
240	2242	-.280	.090	-.020	-.810
240	2243	-.405	.178	-.082	-1.260
240	2244	-.385	.156	.073	-1.199
240	2245	-.298	.077	-.012	-.789
240	2246	-.273	.064	-.076	-.564
240	2247	-.265	.071	-.046	-.645
240	2248	-.281	.087	-.051	-.820
240	2249	-.286	.101	.209	-1.127
240	2250	-.400	.183	.053	-1.459
240	2251	-.290	.073	-.052	-.688
240	2252	-.254	.074	-.004	-.646
240	2253	-.250	.100	.151	-.932
240	2254	-.135	.124	.430	-.506
240	2255	-.326	.121	-.086	-1.301
240	2256	-.333	.123	-.041	-1.016
240	2257	-.272	.076	-.015	-.757
240	2258	-.250	.071	.017	-.670
240	2259	-.238	.076	.040	-.749
240	2260	-.196	.096	.252	-.998
240	2261	-.172	.121	.423	-1.039
240	2301	-.273	.104	.056	-.863
240	2302	-.259	.110	.118	-.786
240	2303	-.249	.102	.083	-.836
240	2304	-.240	.091	.053	-.737
240	2305	-.241	.102	.099	-1.009
240	2306	-.246	.104	.165	-.835
240	2307	-.243	.089	.069	-.740
240	2308	-.240	.082	.007	-.686
240	2309	-.247	.088	.009	-.781
240	2310	-.280	.103	.185	-1.156
240	2311	-.260	.094	.177	-.899
240	2312	-.255	.090	.161	-.822
240	2313	-.235	.078	.074	-.784
240	2314	-.243	.076	.028	-.564
240	2315	-.247	.075	.022	-.618
240	2316	-.247	.079	.034	-.707
240	2317	-.248	.072	-.037	-.572
240	2318	-.252	.075	-.049	-.577
240	2319	-.275	.077	.104	-.763
240	2320	-.264	.067	.029	-.880
240	2321	-.259	.062	-.027	-.548
240	2322	-.241	.054	.002	-.439
240	2323	-.250	.055	-.046	-.466
240	2324	-.247	.064	-.029	-.521

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
240	2325	-.246	.062	-.036	-.520
240	2326	-.251	.065	-.084	-.613
240	2327	-.256	.071	-.083	-.626
240	2328	-.264	.066	.046	-.761
240	2329	-.255	.065	.083	-.638
240	2330	-.256	.065	.023	-.587
240	2331	-.223	.053	-.024	-.416
240	2332	-.246	.050	-.029	-.426
240	2333	-.241	.053	-.051	-.456
240	2334	-.241	.050	-.046	-.431
240	2335	-.237	.057	-.031	-.514
240	2336	-.247	.063	-.061	-.570
240	2337	-.253	.066	.117	-.755
240	2338	-.246	.064	.098	-.642
240	2339	-.251	.066	.035	-.552
240	2340	-.218	.055	.007	-.385
240	2341	-.242	.059	.005	-.461
240	2342	-.248	.062	-.029	-.662
240	2343	-.240	.056	-.051	-.452
240	2344	-.238	.061	-.051	-.534
240	2345	-.246	.073	-.017	-.622
240	2346	-.248	.077	.210	-.850
240	2347	-.240	.065	-.016	-.594
240	2348	-.248	.083	.064	-.732
240	2349	-.223	.057	.000	-.524
240	2350	-.240	.059	-.001	-.548
240	2351	-.240	.059	-.014	-.565
240	2352	-.239	.058	-.030	-.543
240	2353	-.253	.073	-.042	-.706
240	2354	-.254	.076	-.001	-.726
240	2355	-.258	.094	.128	-.807
240	2356	-.252	.093	.106	-.787
240	2357	-.257	.094	.010	-.875
240	2358	-.243	.075	-.014	-.831
240	2359	-.248	.075	.008	-.683
240	2360	-.250	.076	-.016	-.709
240	2361	-.244	.070	-.062	-.657
240	2362	-.245	.064	-.063	-.535
240	2363	-.247	.070	-.055	-.608
240	2364	-.272	.122	.129	-1.157
240	2365	-.257	.087	-.014	-.865
240	2366	-.250	.077	-.000	-.823
240	2367	-.242	.072	-.025	-.967
240	2368	-.240	.063	-.060	-.518
240	2369	-.276	.148	.132	-1.346
240	2370	-.261	.124	.197	-1.265
240	2371	-.239	.087	.067	-.798
240	2372	-.235	.074	.032	-.564
240	2373	-.221	.075	.069	-.521
240	2374	-.220	.080	.217	-.565

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
240	2375	-.225	.063	.008	-.509
240	2376	-.223	.057	-.046	-.481
240	2377	-.232	.063	-.019	-.521
240	2401	-.236	.074	.006	-.531
240	2402	-.227	.069	.005	-.532
240	2403	-.214	.071	-.005	-.674
240	2404	-.223	.082	.028	-.751
240	2405	-.217	.080	.013	-.617
240	2406	-.206	.076	.041	-.548
240	2407	-.214	.076	.052	-.572
240	2408	-.239	.065	-.029	-.540
240	2409	-.232	.058	-.039	-.456
240	2410	-.220	.056	-.037	-.459
240	2411	-.219	.060	-.055	-.474
240	2412	-.220	.063	-.048	-.488
240	2413	-.219	.065	-.019	-.451
240	2414	-.210	.068	.006	-.508
240	2415	-.237	.051	-.082	-.457
240	2416	-.233	.051	-.037	-.501
240	2417	-.227	.049	-.053	-.423
240	2418	-.232	.058	-.049	-.498
240	2419	-.230	.071	.037	-.687
240	2420	-.223	.080	.097	-.760
240	2421	-.224	.076	.013	-.981
240	2422	-.229	.052	-.057	-.446
240	2423	-.217	.049	-.037	-.424
240	2424	-.212	.046	-.061	-.414
240	2425	-.219	.059	-.024	-.485
240	2426	-.223	.070	-.008	-.586
240	2427	-.216	.086	.049	-1.095
240	2428	-.218	.094	.053	-1.200
240	2429	-.212	.048	-.025	-.417
240	2430	-.202	.043	-.044	-.389
240	2431	-.195	.041	-.035	-.364
240	2432	-.201	.051	-.014	-.475
240	2433	-.212	.069	-.004	-.707
240	2434	-.208	.074	.024	-.725
240	2435	-.207	.079	.045	-.730
240	2436	-.225	.058	-.024	-.513
240	2437	-.215	.049	-.040	-.448
240	2438	-.207	.043	-.032	-.382
240	2439	-.212	.055	-.042	-.479
240	2440	-.207	.064	-.021	-.600
240	2441	-.205	.071	.053	-.629
240	2442	-.202	.069	.045	-.697
240	2443	-.233	.057	.009	-.616
240	2444	-.218	.050	-.003	-.476
240	2445	-.207	.045	-.054	-.510
240	2446	-.220	.058	-.076	-.535
240	2447	-.224	.066	-.061	-.558

APPENDIX A -- PRESSURE DATA ;   CONFIGURATION A : GATEWAY PROJECT TOWERS

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
240	2448	-.211	.067	.002	-.561	250	1126	-.392	.114	-.029	-.893	250	1221	-.205	.094	.169	-.576
240	2449	-.208	.067	-.005	-.555	250	1127	-.351	.095	.124	-.851	250	1222	.269	.142	.831	-.140
240	2450	-.223	.056	-.032	-.443	250	1128	-.323	.088	-.034	-.862	250	1223	.402	.153	.943	-.020
240	2451	-.216	.046	-.044	-.421	250	1129	-.299	.077	-.043	-.663	250	1224	.433	.142	.935	.077
240	2452	-.211	.060	-.028	-.476	250	1130	-.298	.075	-.057	-.711	250	1225	.388	.132	.893	.083
240	2453	-.203	.062	-.000	-.485	250	1131	-.396	.129	-.057	-1.000	250	1226	.287	.117	.788	.006
240	2454	-.210	.071	-.013	-.944	250	1132	-.385	.119	-.068	-.853	250	1227	.055	.089	.569	-.223
240	2455	-.239	.054	-.066	-.532	250	1133	-.351	.104	.125	-.963	250	1228	-.160	.096	.206	-.566
240	2456	-.229	.050	-.044	-.540	250	1134	-.334	.105	-.086	-1.362	250	1229	.201	.123	.636	-.104
240	2457	-.218	.048	-.070	-.506	250	1135	-.317	.086	-.073	-.768	250	1230	.320	.135	.798	-.009
240	2458	-.210	.050	-.071	-.439	250	1136	-.313	.092	-.043	-.886	250	1231	.394	.133	.889	.073
240	2459	-.212	.061	-.054	-.505	250	1137	-.381	.137	-.008	-1.154	250	1232	.376	.131	.844	.092
240	2460	-.204	.076	-.013	-1.138	250	1138	-.382	.131	.030	-1.421	250	1233	.286	.112	.866	.031
240	2461	-.201	.069	.009	-.715	250	1139	-.372	.121	-.096	-1.108	250	1234	.055	.087	.493	-.186
240	2901	-.153	.145	.531	-.756	250	1140	-.357	.116	-.083	-1.550	250	1235	-.100	.088	.305	-.377
240	2902	-.086	.167	.614	-.697	250	1141	-.340	.101	-.066	-1.041	250	1236	.096	.118	.697	-.239
240	2903	-.030	.151	.761	-.409	250	1142	-.336	.101	-.068	-.968	250	1237	.259	.130	.924	-.066
240	2904	-.176	.126	.316	-.714	250	1143	-.376	.152	.070	-1.393	250	1238	.332	.133	1.073	.052
240	2905	-.085	.137	.538	-.516	250	1144	-.362	.129	-.013	-1.475	250	1239	.304	.120	.862	.044
240	2906	-.059	.138	.582	-.544	250	1145	-.357	.130	-.025	-1.116	250	1240	.198	.094	.678	-.041
240	2907	-.192	.130	.255	-.856	250	1146	-.340	.112	-.085	-1.032	250	1241	.031	.078	.549	-.225
240	2908	-.142	.105	.252	-.587	250	1147	-.341	.149	.101	-1.200	250	1242	-.111	.084	.354	-.479
240	2909	-.144	.107	.351	-.562	250	1148	-.343	.138	.030	-1.298	250	1243	.046	.102	.517	-.269
240	2910	-.174	.117	.589	-.842	250	1149	-.369	.134	-.052	-1.253	250	1244	.151	.100	.643	-.111
240	2911	-.109	.103	.348	-.561	250	1150	-.324	.135	.115	-1.304	250	1245	.255	.107	.709	-.090
250	1101	-.386	.100	.014	-.896	250	1151	-.302	.104	-.013	-.908	250	1246	.240	.103	.740	-.040
250	1102	-.371	.096	-.033	-.808	250	1152	-.333	.131	.080	-1.588	250	1247	.177	.090	.648	-.048
250	1103	-.361	.085	-.021	-.773	250	1153	-.331	.123	-.042	-1.628	250	1248	.027	.066	.408	-.221
250	1104	-.354	.079	-.093	-.657	250	1154	-.323	.121	-.015	-1.141	250	1249	-.074	.075	.314	-.373
250	1105	-.340	.073	-.112	-.614	250	1155	-.320	.118	-.049	-1.100	250	1250	-.017	.090	.385	-.303
250	1106	-.342	.074	-.099	-.683	250	1201	.220	.146	.818	-.471	250	1251	.220	.094	.643	-.015
250	1107	-.384	.093	-.115	-.823	250	1202	.289	.138	.744	-.150	250	1252	.184	.078	.498	.003
250	1108	-.379	.085	-.122	-.765	250	1203	.212	.126	.682	-.198	250	1253	-.063	.071	.208	-.412
250	1109	-.361	.079	-.124	-.650	250	1204	.163	.118	.721	-.240	250	1254	.001	.079	.377	-.356
250	1110	-.353	.076	-.126	-.722	250	1205	.091	.108	.443	-.273	250	1255	.153	.089	.592	-.141
250	1111	-.354	.072	-.125	-.648	250	1206	-.034	.096	.411	-.433	250	1256	.279	.106	.799	.027
250	1112	-.345	.073	-.102	-.618	250	1207	-.157	.094	.353	-.527	250	1257	.291	.103	.767	.055
250	1113	-.406	.101	-.109	-.994	250	1208	.342	.158	.902	-.228	250	1258	.221	.088	.632	.019
250	1114	-.399	.094	-.116	-.960	250	1209	.469	.175	1.064	-.036	250	1259	.070	.065	.488	-.139
250	1115	-.372	.084	-.078	-.795	250	1210	.487	.173	1.058	.014	250	1260	-.036	.078	.300	-.344
250	1116	-.352	.082	-.110	-.868	250	1211	.422	.159	.913	-.020	250	1301	-.664	.188	-.022	-1.692
250	1117	-.341	.075	-.088	-.716	250	1212	.334	.140	.889	-.081	250	1302	-.445	.171	.057	-1.136
250	1118	-.338	.075	-.072	-.719	250	1213	.059	.103	.501	-.222	250	1303	-.228	.072	.012	-.591
250	1119	-.404	.116	-.104	-.969	250	1214	-.232	.113	.257	-.690	250	1304	-.220	.072	-.008	-.582
250	1120	-.391	.106	-.015	-.865	250	1215	.311	.136	.755	-.157	250	1305	-.192	.073	.128	-.506
250	1121	-.359	.084	-.057	-.983	250	1216	.446	.158	.913	.022	250	1306	-.158	.188	.941	-.464
250	1122	-.332	.081	-.072	-.728	250	1217	.502	.157	1.015	.088	250	1307	-.151	.056	.069	-.386
250	1123	-.314	.076	-.068	-.703	250	1218	.451	.145	.949	.042	250	1308	-.158	.060	.106	-.421
250	1124	-.314	.076	-.056	-.730	250	1219	.330	.123	.762	.004	250	1309	-.184	.072	.080	-.488
250	1125	-.401	.131	-.035	-1.018	250	1220	.045	.090	.410	-.265	250	1310	-.602	.185	-.036	-1.326

APPENDIX A -- PRESSURE DATA ;   CONFIGURATION A : GATEWAY PROJECT TOWERS

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
250	1311	-.523	.205	.103	-1.169
250	1312	-.150	.086	.073	-.682
250	1313	-.133	.085	.131	-.649
250	1314	-.127	.067	.118	-.491
250	1315	.092	.158	.846	-.589
250	1316	-.088	.060	.170	-.375
250	1317	-.151	.057	.061	-.404
250	1318	-.195	.073	.097	-.522
250	1319	-.560	.174	-.041	-1.360
250	1320	-.545	.184	.143	-1.334
250	1321	-.162	.139	.156	-.908
250	1322	-.145	.123	.125	-.797
250	1323	-.139	.110	.155	-.697
250	1324	-.007	.180	.665	-.825
250	1325	-.114	.085	.238	-.750
250	1326	-.126	.060	.175	-.477
250	1327	-.142	.066	.150	-.375
250	1328	-.504	.167	-.056	-1.321
250	1329	-.497	.183	.083	-1.304
250	1330	-.193	.165	.193	-.972
250	1331	-.157	.136	.190	-.760
250	1332	-.140	.109	.186	-.625
250	1333	-.022	.173	.570	-.867
250	1334	-.108	.084	.195	-.673
250	1335	-.111	.055	.122	-.412
250	1336	-.126	.058	.121	-.407
250	1337	-.429	.145	.138	-1.090
250	1338	-.427	.162	.148	-1.078
250	1339	-.164	.144	.160	-.800
250	1340	-.137	.119	.138	-.772
250	1341	-.125	.102	.185	-.644
250	1342	-.027	.167	.610	-.742
250	1343	-.103	.090	.222	-.744
250	1344	-.100	.054	.089	-.582
250	1345	-.121	.054	.091	-.464
250	1346	-.369	.145	.065	-1.063
250	1347	-.367	.162	.172	-1.004
250	1348	-.140	.133	.150	-.831
250	1349	-.125	.118	.140	-.745
250	1350	-.106	.097	.153	-.554
250	1351	-.017	.147	.547	-.624
250	1352	-.090	.075	.196	-.599
250	1353	-.100	.050	.117	-.433
250	1354	-.120	.050	.106	-.390
250	1355	-.302	.138	.122	-1.077
250	1356	-.279	.144	.130	-1.017
250	1357	-.096	.119	.140	-.736
250	1358	-.075	.093	.163	-.688
250	1359	-.051	.069	.177	-.399
250	1360	-.007	.116	.559	-.682

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
250	1361	-.077	.057	.209	-.464
250	1362	-.095	.042	.078	-.340
250	1363	-.119	.050	.063	-.331
250	1364	-.256	.128	.103	-.841
250	1365	-.048	.088	.175	-.770
250	1366	.020	.094	.388	-.483
250	1367	-.051	.047	.130	-.347
250	1368	-.110	.044	.079	-.300
250	1369	-.195	.145	.224	-1.248
250	1370	-.156	.142	.210	-.984
250	1371	.014	.068	.276	-.371
250	1372	-.008	.059	.209	-.398
250	1373	.028	.057	.316	-.261
250	1374	.147	.114	.727	-.270
250	1375	.021	.055	.295	-.166
250	1376	-.053	.038	.091	-.180
250	1377	-.081	.042	.060	-.230
250	1401	-.296	.085	.014	-.661
250	1402	-.232	.101	.120	-.681
250	1403	-.293	.094	.007	-.680
250	1404	-.357	.098	-.049	-.720
250	1405	-.371	.092	-.000	-.751
250	1406	-.365	.086	-.047	-.753
250	1407	-.380	.096	-.010	-.825
250	1408	-.304	.075	.003	-.595
250	1409	-.254	.083	.031	-.614
250	1410	-.322	.074	-.038	-.602
250	1411	-.316	.086	-.036	-.712
250	1412	-.346	.079	-.078	-.668
250	1413	-.366	.079	-.129	-.645
250	1414	-.377	.087	-.103	-.780
250	1415	-.165	.084	.254	-.613
250	1416	-.177	.081	.130	-.463
250	1417	-.234	.071	.042	-.479
250	1418	-.280	.074	.064	-.573
250	1419	-.322	.075	.044	-.629
250	1420	-.365	.086	-.014	-.635
250	1421	-.396	.098	-.085	-.785
250	1422	-.151	.070	.171	-.498
250	1423	-.160	.067	.163	-.495
250	1424	-.191	.059	.075	-.416
250	1425	-.249	.067	.077	-.440
250	1426	-.296	.075	.122	-.555
250	1427	-.343	.084	.037	-.679
250	1428	-.375	.100	-.059	-.836
250	1429	-.157	.064	.150	-.616
250	1430	-.154	.059	.126	-.444
250	1431	-.179	.058	.124	-.408
250	1432	-.226	.067	.151	-.451
250	1433	-.279	.076	.160	-.552

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
250	1434	-.327	.085	.073	-.627
250	1435	-.357	.098	-.017	-.736
250	1436	-.152	.061	.111	-.397
250	1437	-.161	.056	.118	-.418
250	1438	-.179	.055	.100	-.366
250	1439	-.214	.070	.162	-.484
250	1440	-.275	.079	.089	-.607
250	1441	-.339	.092	.025	-.638
250	1442	-.372	.110	.017	-.796
250	1443	-.142	.056	.097	-.420
250	1444	-.141	.054	.052	-.416
250	1445	-.162	.053	-.004	-.419
250	1446	-.207	.065	.145	-.515
250	1447	-.271	.089	.107	-.784
250	1448	-.332	.102	.141	-.845
250	1449	-.365	.118	.028	-1.057
250	1450	-.138	.066	.129	-.393
250	1451	-.167	.061	.063	-.440
250	1452	-.261	.091	.028	-.657
250	1453	-.340	.119	-.063	-.963
250	1454	-.142	.053	.019	-.363
250	1455	-.142	.053	.075	-.331
250	1456	-.159	.053	.055	-.372
250	1457	-.183	.074	.063	-.559
250	1458	-.230	.102	.147	-.801
250	1459	-.268	.101	.099	-.750
250	1460	-.284	.104	.122	-.823
250	1461	-.315	.108	.033	-.886
250	1901	-.407	.092	-.145	-.783
250	1902	-.390	.105	-.083	-.825
250	1903	-.377	.133	-.003	-1.075
250	1904	-.400	.079	-.167	-.817
250	1905	-.413	.098	-.100	-.798
250	1906	-.420	.135	.000	-1.129
250	1907	-.395	.083	-.128	-.768
250	1908	-.393	.084	-.119	-.751
250	1909	-.409	.099	-.043	-1.023
250	1910	-.322	.115	.013	-.882
250	1911	-.317	.131	.150	-1.071
250	2101	.120	.099	.539	-.384
250	2102	.168	.183	.756	-.627
250	2103	.365	.169	.942	-.394
250	2104	.364	.200	.993	-.700
250	2105	.290	.238	1.071	-1.143
250	2106	.183	.247	1.061	-.935
250	2107	.061	.079	.454	-.324
250	2108	.242	.114	.708	-.143
250	2109	.435	.191	1.226	-.250
250	2110	.462	.218	1.272	-.279
250	2111	.224	.241	.963	-.460

APPENDIX A -- PRESSURE DATA ; CONFIGURATION A : GATEWAY PROJECT TOWERS

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
250	2112	.016	.236	.894	-.766	250	2207	-.184	.189	.705	-.806	250	2257	-.153	.106	.298	-.668
250	2113	.081	.094	.509	-.459	250	2208	-.431	.265	.435	1.533	250	2258	-.133	.074	.178	-.692
250	2114	.223	.126	.743	-.492	250	2209	-.315	.242	.393	-1.344	250	2259	-.132	.054	.073	-.365
250	2115	.393	.194	.952	-.469	250	2210	-.177	.112	.267	-.650	250	2260	-.153	.059	.088	-.528
250	2116	.327	.232	1.053	-.388	250	2211	-.273	.099	.213	-.643	250	2261	-.179	.062	.167	-.603
250	2117	.026	.227	.915	-.563	250	2212	-.214	.114	.254	-.967	250	2301	-.297	.080	-.023	-.693
250	2118	-.216	.218	.594	-.845	250	2213	-.267	.107	.244	-.784	250	2302	-.290	.086	.012	-.950
250	2119	.072	.094	.475	-.311	250	2214	-.292	.102	.173	-1.077	250	2303	-.277	.076	-.025	-.786
250	2120	.209	.128	.700	-.342	250	2215	-.697	.273	.263	-1.728	250	2304	-.280	.074	-.001	-.818
250	2121	.354	.197	1.036	-.341	250	2216	-.543	.289	.369	-1.959	250	2305	-.274	.072	-.013	-.947
250	2122	.266	.230	1.196	-.436	250	2217	-.263	.102	.057	-.782	250	2306	-.278	.076	-.023	1.236
250	2123	-.046	.222	.805	-.643	250	2218	-.238	.078	.044	-.528	250	2307	-.275	.068	-.009	-.667
250	2124	-.258	.208	.506	-.839	250	2219	-.235	.076	.037	-.862	250	2308	-.278	.063	-.083	-.543
250	2125	.083	.101	.504	-.535	250	2220	-.255	.068	-.030	-.978	250	2309	-.282	.068	-.074	-.583
250	2126	.194	.126	.614	-.531	250	2221	-.282	.067	-.093	-.861	250	2310	-.296	.084	.048	-.880
250	2127	.309	.194	.941	-.509	250	2222	-.604	.267	.169	-1.878	250	2311	-.295	.078	-.048	-.735
250	2128	.223	.231	1.015	-.556	250	2223	-.556	.278	.380	-2.005	250	2312	-.301	.079	.020	-.669
250	2129	-.066	.195	.986	-.641	250	2224	-.295	.131	.172	-.992	250	2313	-.279	.063	-.027	-.635
250	2130	-.234	.171	.788	-.942	250	2225	-.247	.087	.112	-.654	250	2314	-.286	.062	-.076	-.561
250	2131	.042	.087	.417	-.340	250	2226	-.216	.075	.147	-.550	250	2315	-.291	.061	-.079	-.580
250	2132	.143	.111	.607	-.319	250	2227	-.226	.064	.095	-.493	250	2316	-.289	.060	-.058	-.551
250	2133	.256	.165	.979	-.426	250	2228	-.253	.056	.012	-.619	250	2317	-.293	.054	-.100	-.536
250	2134	.186	.191	.871	-.414	250	2229	-.677	.298	.078	-2.041	250	2318	-.293	.055	-.094	-.526
250	2135	-.069	.179	.635	-.592	250	2230	-.507	.284	.240	-1.648	250	2319	-.288	.055	-.050	-.685
250	2136	-.203	.165	.426	-.727	250	2231	-.292	.125	.149	-.934	250	2320	-.280	.049	-.088	-.468
250	2137	.004	.082	.370	-.476	250	2232	-.241	.085	.102	-.598	250	2321	-.286	.044	-.119	-.471
250	2138	.096	.102	.548	-.382	250	2233	-.209	.073	.158	-.753	250	2322	-.274	.046	-.078	-.453
250	2139	.217	.147	.925	-.447	250	2234	-.213	.062	.112	-.458	250	2323	-.280	.044	-.133	-.457
250	2140	.193	.169	.885	-.515	250	2235	-.234	.057	.069	-.466	250	2324	-.277	.046	-.127	-.451
250	2141	-.009	.167	.674	-.513	250	2236	-.631	.261	.211	-1.771	250	2325	-.278	.046	-.111	-.452
250	2142	-.168	.165	.509	-.688	250	2237	-.491	.247	.189	-1.769	250	2326	-.279	.048	-.101	-.489
250	2143	-.028	.069	.275	-.403	250	2238	-.274	.108	.106	-.859	250	2327	-.282	.050	-.115	-.502
250	2144	.167	.128	.851	-.244	250	2239	-.224	.074	.044	-.560	250	2328	-.271	.050	-.119	-.491
250	2145	.134	.140	.840	-.327	250	2240	-.193	.062	.160	-.473	250	2329	-.270	.049	-.119	-.491
250	2146	-.129	.143	.580	-.681	250	2241	-.213	.053	.119	-.464	250	2330	-.279	.044	-.138	-.473
250	2147	.116	.135	.687	-.315	250	2242	-.230	.051	.027	-.455	250	2331	-.261	.044	-.082	-.415
250	2148	.026	.136	.613	-.431	250	2243	-.321	.220	.158	-1.699	250	2332	-.279	.040	-.141	-.439
250	2149	-.088	.135	.507	-.563	250	2244	-.353	.198	.135	-1.300	250	2333	-.284	.044	-.109	-.475
250	2150	.016	.071	.303	-.265	250	2245	-.227	.091	.037	-.615	250	2334	-.275	.041	-.095	-.438
250	2151	.096	.093	.441	-.266	250	2246	-.198	.069	.023	-.550	250	2335	-.273	.047	-.079	-.484
250	2152	.216	.141	.789	-.292	250	2247	-.177	.058	.051	-.437	250	2336	-.280	.048	-.086	-.464
250	2153	.182	.165	.835	-.343	250	2248	-.212	.051	.017	-.454	250	2337	-.259	.050	-.089	-.508
250	2154	.201	.177	.997	-.311	250	2249	-.239	.049	-.057	-.456	250	2338	-.260	.048	-.106	-.501
250	2155	.119	.155	.946	-.376	250	2250	-.441	.205	.187	-1.258	250	2339	-.270	.046	-.141	-.462
250	2201	-.122	.296	.972	-1.489	250	2251	-.201	.093	.248	-.605	250	2340	-.254	.045	-.088	-.489
250	2202	-.033	.196	.912	-.781	250	2252	-.154	.056	.061	-.385	250	2341	-.269	.043	-.122	-.512
250	2203	-.081	.177	.740	-.980	250	2253	-.218	.049	-.040	-.495	250	2342	-.274	.041	-.097	-.418
250	2204	-.136	.182	.766	-.860	250	2254	.146	.160	.860	-.302	250	2343	-.268	.043	-.141	-.498
250	2205	-.144	.199	.665	-1.170	250	2255	-.338	.159	.227	-1.095	250	2344	-.260	.046	-.090	-.425
250	2206	-.159	.211	.991	-.938	250	2256	-.320	.180	.223	-1.025	250	2345	-.263	.048	-.067	-.520

APPENDIX A -- PRESSURE DATA ; CONFIGURATION A : GATEWAY PROJECT TOWERS

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
250	2346	-.262	.052	-.101	-.511	250	2419	-.274	.046	-.123	-.435	250	2908	-.193	.136	.306	-.782
250	2347	-.268	.046	-.134	-.462	250	2420	-.268	.049	-.109	-.470	250	2909	-.163	.126	.302	-.675
250	2348	-.275	.051	-.102	-.507	250	2421	-.266	.046	-.094	-.455	250	2910	.042	.150	.632	-.865
250	2349	-.261	.053	-.032	-.474	250	2422	-.265	.041	-.102	-.425	250	2911	.119	.136	.633	-.260
250	2350	-.276	.051	-.121	-.494	250	2423	-.260	.040	-.116	-.406	260	1101	-.329	.136	.064	-1.328
250	2351	-.274	.050	-.132	-.475	250	2424	-.263	.037	-.123	-.405	260	1102	-.331	.126	.107	-.848
250	2352	-.275	.050	-.129	-.489	250	2425	-.272	.041	-.116	-.404	260	1103	-.358	.127	.149	-1.001
250	2353	-.271	.049	-.035	-.433	250	2426	-.271	.044	-.102	-.454	260	1104	-.362	.116	.045	-.981
250	2354	-.276	.054	-.111	-.526	250	2427	-.261	.049	-.084	-.538	260	1105	-.338	.097	-.060	-.891
250	2355	-.274	.058	.000	-.487	250	2428	-.260	.051	-.083	-.799	260	1106	-.339	.101	-.024	-.856
250	2356	-.276	.057	-.054	-.500	250	2429	-.256	.044	-.106	-.420	260	1107	-.325	.136	.088	-1.087
250	2357	-.283	.053	-.087	-.467	250	2430	-.251	.042	-.100	-.404	260	1108	-.322	.124	.091	-.955
250	2358	-.275	.054	-.052	-.474	250	2431	-.255	.040	-.111	-.388	260	1109	-.341	.120	.132	-1.053
250	2359	-.281	.051	-.052	-.455	250	2432	-.258	.041	-.108	-.424	260	1110	-.345	.111	-.041	-.931
250	2360	-.282	.050	-.090	-.454	250	2433	-.254	.042	-.127	-.464	260	1111	-.340	.100	-.081	-.865
250	2361	-.271	.054	-.053	-.501	250	2434	-.247	.046	-.102	-.474	260	1112	-.342	.100	-.021	-.758
250	2362	-.273	.058	-.089	-.494	250	2435	-.244	.048	-.088	-.569	260	1113	-.378	.175	.116	-1.294
250	2363	-.272	.061	-.076	-.525	250	2436	-.265	.047	-.077	-.445	260	1114	-.368	.155	.128	-.998
250	2364	-.273	.060	-.067	-.603	250	2437	-.263	.049	-.077	-.449	260	1115	-.364	.138	.097	-1.006
250	2365	-.287	.055	-.094	-.570	250	2438	-.268	.045	-.110	-.440	260	1116	-.340	.126	.007	-1.206
250	2366	-.277	.052	-.079	-.470	250	2439	-.269	.044	-.095	-.427	260	1117	-.318	.104	-.023	-1.193
250	2367	-.273	.055	-.049	-.484	250	2440	-.204	.065	.010	-.679	260	1118	-.314	.101	-.024	-.979
250	2368	-.289	.057	-.099	-.672	250	2441	-.256	.049	-.091	-.455	260	1119	-.374	.174	.074	-1.161
250	2369	-.273	.067	-.032	-.846	250	2442	-.257	.052	-.062	-.628	260	1120	-.366	.156	.129	-1.058
250	2370	-.276	.063	-.062	-.674	250	2443	-.289	.049	-.105	-.513	260	1121	-.356	.139	.154	-1.172
250	2371	-.279	.058	-.114	-.612	250	2444	-.283	.048	-.090	-.500	260	1122	-.355	.138	-.010	-1.080
250	2372	-.278	.055	-.090	-.525	250	2445	-.279	.046	-.112	-.457	260	1123	-.326	.113	-.013	-.980
250	2373	-.278	.057	-.106	-.527	250	2446	-.272	.049	-.101	-.471	260	1124	-.339	.119	.002	-1.124
250	2374	-.282	.055	-.101	-.531	250	2447	-.267	.049	-.119	-.493	260	1125	-.407	.200	.124	-1.326
250	2375	-.287	.054	-.114	-.516	250	2448	-.257	.051	-.081	-.479	260	1126	-.393	.173	.109	-1.119
250	2376	-.290	.052	-.099	-.507	250	2449	-.253	.052	-.077	-.494	260	1127	-.389	.160	.139	-1.108
250	2377	-.281	.050	-.125	-.462	250	2450	-.289	.049	-.081	-.453	260	1128	-.387	.163	.276	-1.799
250	2401	-.285	.080	-.047	-.756	250	2451	-.287	.046	-.122	-.464	260	1129	-.357	.129	.024	-1.299
250	2402	-.279	.079	-.005	-.768	250	2452	-.272	.049	-.111	-.456	260	1130	-.351	.123	-.017	-1.339
250	2403	-.278	.079	.009	-.639	250	2453	-.264	.052	-.112	-.615	260	1131	-.451	.192	.095	-1.271
250	2404	-.291	.074	-.062	-.590	250	2454	-.264	.052	-.108	-.456	260	1132	-.429	.170	.154	-1.173
250	2405	-.267	.057	-.058	-.531	250	2455	-.290	.046	-.141	-.575	260	1133	-.405	.166	.053	-1.433
250	2406	-.254	.053	-.063	-.509	250	2456	-.286	.046	-.136	-.525	260	1134	-.394	.151	.066	-1.271
250	2407	-.208	.076	.037	-.563	250	2457	-.277	.045	-.147	-.476	260	1135	-.372	.145	-.025	-1.729
250	2408	-.288	.057	-.089	-.520	250	2458	-.271	.048	-.115	-.447	260	1136	-.367	.135	.003	-1.267
250	2409	-.288	.054	-.101	-.503	250	2459	-.266	.050	-.112	-.503	260	1137	-.319	.159	.126	-1.170
250	2410	-.280	.054	-.096	-.471	250	2460	-.208	.070	.005	-.847	260	1138	-.320	.160	.180	-1.072
250	2411	-.279	.051	-.106	-.461	250	2461	-.256	.055	-.075	-.636	260	1139	-.399	.172	.195	-1.319
250	2412	-.265	.049	-.051	-.453	250	2901	-.253	.087	.193	-.742	260	1140	-.444	.186	.054	-1.472
250	2413	-.267	.050	-.057	-.449	250	2902	-.301	.137	.521	-.747	260	1141	-.395	.149	-.041	-1.342
250	2414	-.257	.051	-.083	-.463	250	2903	.017	.216	.816	-.618	260	1142	-.389	.148	-.015	-1.082
250	2415	-.278	.046	-.074	-.471	250	2904	-.293	.102	.107	-.836	260	1143	-.211	.129	.182	-.935
250	2416	-.280	.046	-.095	-.494	250	2905	-.173	.219	.696	-.872	260	1144	-.329	.170	.270	-1.100
250	2417	-.278	.044	-.151	-.417	250	2906	-.005	.177	.743	-.766	260	1145	-.434	.197	.021	-1.471
250	2418	-.284	.043	-.138	-.427	250	2907	-.345	.141	.214	-.926	260	1146	-.396	.176	-.034	-1.431

APPENDIX A -- PRESSURE DATA ;   CONFIGURATION A : GATEWAY PROJECT TOWERS

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
260	1147	-.160	.135	.323	-.999	260	1242	-.164	.084	.098	-.551	260	1332	-.264	.129	.165	-.939
260	1148	-.183	.150	.241	-1.009	260	1243	.088	.115	.536	-.276	260	1333	-.258	.197	.353	-1.038
260	1149	-.300	.187	.255	-1.152	260	1244	.217	.113	.753	-.109	260	1334	-.203	.143	.258	-.910
260	1150	-.177	.157	.293	-.853	260	1245	.240	.096	.675	-.040	260	1335	-.136	.103	.192	-.740
260	1151	-.180	.129	.311	-.690	260	1246	.215	.089	.668	-.025	260	1336	-.131	.102	.251	-.781
260	1152	-.324	.209	.304	-1.493	260	1247	.147	.078	.543	-.098	260	1337	-.439	.150	-.090	-1.134
260	1153	-.382	.192	.476	-1.543	260	1248	-.007	.067	.336	-.299	260	1338	-.451	.155	-.026	-1.194
260	1154	-.399	.187	.015	-1.690	260	1249	-.129	.075	.175	-.444	260	1339	-.296	.165	.075	-.983
260	1155	-.393	.188	-.014	-1.651	260	1250	.016	.103	.417	-.402	260	1340	-.254	.145	.076	-.878
260	1201	.363	.167	.903	-.204	260	1251	.215	.079	.646	.024	260	1341	-.221	.122	.148	-.741
260	1202	.308	.149	.734	-.183	260	1252	.152	.068	.513	-.010	260	1342	-.189	.183	.409	-.935
260	1203	.186	.123	.588	-.198	260	1253	-.103	.079	.236	-.404	260	1343	-.183	.143	.292	-.817
260	1204	.120	.110	.519	-.187	260	1254	.001	.089	.390	-.324	260	1344	-.110	.095	.181	-.548
260	1205	.041	.089	.520	-.289	260	1255	.150	.087	.593	-.118	260	1345	-.112	.095	.225	-.807
260	1206	-.099	.073	.330	-.366	260	1256	.268	.108	.795	.042	260	1346	-.395	.153	-.033	-1.192
260	1207	-.241	.075	.136	-.532	260	1257	.266	.096	.783	.054	260	1347	-.394	.156	-.007	-1.072
260	1208	.444	.167	.960	-.026	260	1258	.192	.079	.576	.006	260	1348	-.254	.162	.091	-1.016
260	1209	.533	.176	1.302	.009	260	1259	.033	.064	.348	-.295	260	1349	-.226	.147	.066	-1.021
260	1210	.473	.156	1.128	.047	260	1260	-.074	.076	.237	-.569	260	1350	-.185	.118	.132	-.858
260	1211	.369	.137	.838	.012	260	1301	-.743	.227	-.188	-1.767	260	1351	-.148	.181	.536	-.976
260	1212	.259	.117	.719	-.084	260	1302	-.568	.177	-.102	-1.350	260	1352	-.127	.125	.278	-.725
260	1213	-.043	.077	.321	-.337	260	1303	-.328	.109	-.049	-.859	260	1353	-.083	.078	.170	-.509
260	1214	-.318	.099	.018	-.673	260	1304	-.327	.112	-.018	-.961	260	1354	-.085	.074	.168	-.536
260	1215	.394	.159	.881	-.079	260	1305	-.273	.102	.177	-.705	260	1355	-.350	.135	-.021	-1.035
260	1216	.477	.170	1.067	.010	260	1306	-.039	.220	.778	-.865	260	1356	-.341	.140	.128	-1.118
260	1217	.463	.155	1.014	.031	260	1307	-.203	.094	.139	-.754	260	1357	-.145	.126	.161	-.850
260	1218	.375	.136	.825	-.015	260	1308	-.161	.084	.168	-.538	260	1358	-.133	.118	.146	-.809
260	1219	.237	.108	.763	-.072	260	1309	-.185	.093	.174	-.567	260	1359	-.090	.086	.175	-.613
260	1220	-.034	.075	.324	-.268	260	1310	-.652	.194	-.156	-1.607	260	1360	-.063	.145	.648	-.955
260	1221	-.260	.083	.005	-.571	260	1311	-.616	.187	-.030	-1.635	260	1361	-.068	.084	.243	-.564
260	1222	.362	.152	.972	-.010	260	1312	-.344	.149	.003	-.928	260	1362	-.052	.052	.164	-.333
260	1223	.460	.156	1.005	.069	260	1313	-.316	.141	.113	-.982	260	1363	-.056	.048	.147	-.281
260	1224	.405	.136	.845	.075	260	1314	-.269	.116	.069	-.725	260	1364	-.306	.127	.043	-1.014
260	1225	.332	.118	.756	.051	260	1315	-.150	.193	.592	-.869	260	1365	-.110	.117	.134	-.985
260	1226	.210	.097	.611	-.013	260	1316	-.171	.113	.208	-.726	260	1366	-.002	.122	.482	-.797
260	1227	-.014	.071	.321	-.241	260	1317	-.170	.086	.145	-.625	260	1367	-.036	.068	.234	-.494
260	1228	-.228	.088	.056	-.743	260	1318	-.186	.098	.152	-.636	260	1368	-.032	.042	.147	-.254
260	1229	.292	.143	.870	-.128	260	1319	-.534	.171	-.127	-1.296	260	1369	-.256	.147	.161	-.975
260	1230	.381	.149	.944	-.023	260	1320	-.534	.170	-.121	-1.296	260	1370	-.238	.146	.159	-1.002
260	1231	.394	.136	1.073	.042	260	1321	-.373	.165	.054	-.951	260	1371	-.046	.103	.239	-.747
260	1232	.322	.116	.812	.047	260	1322	-.323	.161	.029	-.997	260	1372	-.052	.089	.176	-.676
260	1233	.206	.093	.594	-.018	260	1323	-.284	.136	.097	-.764	260	1373	-.004	.075	.362	-.422
260	1234	-.031	.075	.302	-.310	260	1324	-.239	.206	.591	-.959	260	1374	.116	.148	.750	-.520
260	1235	-.173	.086	.141	-.515	260	1325	-.220	.148	.224	-.977	260	1375	.029	.070	.372	-.581
260	1236	.154	.135	.805	-.234	260	1326	-.145	.096	.217	-.765	260	1376	-.007	.039	.186	-.276
260	1237	.278	.134	.946	-.089	260	1327	-.154	.102	.263	-.788	260	1377	-.022	.038	.139	-.175
260	1238	.301	.120	.895	-.046	260	1328	-.497	.169	-.067	-1.368	260	1401	-.195	.110	.159	-.713
260	1239	.251	.101	.786	-.003	260	1329	-.509	.174	.035	-1.451	260	1402	-.200	.111	.115	-.690
260	1240	.170	.085	.586	-.065	260	1330	-.359	.182	.136	-1.066	260	1403	-.251	.103	.096	-.630
260	1241	-.020	.070	.281	-.296	260	1331	-.304	.155	.085	-1.002	260	1404	-.292	.104	.089	-.797

APPENDIX A -- PRESSURE DATA ;   CONFIGURATION A : GATEWAY PROJECT TOWERS

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
260	1405	-.312	.113	.110	-.908
260	1406	-.324	.111	.008	-.905
260	1407	-.329	.124	.060	-1.057
260	1408	-.211	.123	.139	-.841
260	1409	-.211	.103	.092	-.821
260	1410	-.247	.103	.116	-.664
260	1411	-.278	.105	.017	-.876
260	1412	-.290	.109	.112	-.805
260	1413	-.307	.119	.072	-.944
260	1414	-.324	.131	.046	-1.013
260	1415	-.144	.098	.218	-.678
260	1416	-.143	.090	.164	-.639
260	1417	-.183	.084	.244	-.650
260	1418	-.230	.098	.082	-.785
260	1419	-.264	.103	.053	-.813
260	1420	-.312	.121	.079	-.761
260	1421	-.350	.147	.096	-1.140
260	1422	-.134	.093	.215	-.614
260	1423	-.123	.076	.261	-.445
260	1424	-.155	.078	.199	-.435
260	1425	-.212	.088	.094	-.504
260	1426	-.264	.103	.110	-.621
260	1427	-.317	.128	.103	-.802
260	1428	-.344	.150	.105	-1.098
260	1429	-.113	.076	.137	-.579
260	1430	-.110	.068	.137	-.482
260	1431	-.140	.067	.193	-.450
260	1432	-.194	.080	.150	-.522
260	1433	-.254	.099	.067	-.788
260	1434	-.313	.128	.071	-.747
260	1435	-.348	.152	.062	-.885
260	1436	-.093	.067	.157	-.421
260	1437	-.094	.058	.123	-.341
260	1438	-.122	.061	.130	-.420
260	1439	-.179	.072	.053	-.480
260	1440	-.242	.090	.089	-.637
260	1441	-.322	.122	.006	-.948
260	1442	-.368	.148	.031	-.984
260	1443	-.066	.050	.150	-.479
260	1444	-.071	.046	.137	-.265
260	1445	-.091	.047	.129	-.276
260	1446	-.137	.062	.042	-.504
260	1447	-.214	.089	.161	-.601
260	1448	-.290	.112	.059	-.782
260	1449	-.322	.128	.046	-.928
260	1450	-.047	.048	.143	-.285
260	1451	-.073	.044	.093	-.291
260	1452	-.174	.090	.045	-.743
260	1453	-.266	.120	.007	-1.042
260	1454	-.057	.045	.108	-.287

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
260	1455	-.058	.047	.103	-.352
260	1456	-.068	.052	.108	-.325
260	1457	-.070	.072	.216	-.457
260	1458	-.105	.107	.343	-.687
260	1459	-.160	.120	.188	-.686
260	1460	-.186	.131	.219	-.709
260	1461	-.238	.136	.243	-.802
260	1901	-.373	.108	.129	-.890
260	1902	-.358	.109	-.038	-.816
260	1903	-.323	.126	-.137	-.830
260	1904	-.392	.096	-.124	-.799
260	1905	-.373	.098	-.102	-.868
260	1906	-.363	.138	.010	-1.079
260	1907	-.382	.089	-.114	-.800
260	1908	-.378	.091	-.110	-.789
260	1909	-.348	.097	-.093	-.931
260	1910	-.207	.140	.238	-.745
260	1911	-.169	.155	.312	-.866
260	2101	.095	.100	.394	-.315
260	2102	.184	.114	.635	-.240
260	2103	.302	.137	1.057	-.184
260	2104	.362	.155	.922	-.225
260	2105	.401	.173	1.177	-.184
260	2106	.357	.179	1.156	-.221
260	2107	.048	.082	.374	-.232
260	2108	.238	.107	.681	-.116
260	2109	.450	.155	1.025	-.013
260	2110	.534	.163	1.119	.056
260	2111	.468	.174	1.151	-.078
260	2112	.340	.175	1.018	-.362
260	2113	.063	.078	.371	-.220
260	2114	.228	.102	.591	-.045
260	2115	.470	.151	.950	.063
260	2116	.521	.174	1.064	.063
260	2117	.352	.178	1.081	-.216
260	2118	.177	.182	.873	-.521
260	2119	.046	.076	.362	-.198
260	2120	.203	.101	.595	-.100
260	2121	.395	.149	1.045	-.147
260	2122	.429	.166	1.020	-.229
260	2123	.256	.171	.928	-.353
260	2124	.074	.187	.748	-.808
260	2125	.059	.073	.340	-.161
260	2126	.187	.091	.525	-.042
260	2127	.378	.134	.897	.059
260	2128	.412	.156	1.007	-.001
260	2129	.247	.151	.892	-.230
260	2130	.090	.156	.716	-.474
260	2131	.020	.065	.331	-.196
260	2132	.135	.081	.454	-.086

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
260	2133	.299	.119	.769	-.128
260	2134	.327	.135	.834	-.123
260	2135	.195	.143	.700	-.219
260	2136	.088	.148	.618	-.388
260	2137	-.018	.064	.272	-.277
260	2138	.084	.075	.444	-.204
260	2139	.232	.105	.691	-.093
260	2140	.264	.123	.863	-.143
260	2141	.175	.140	.778	-.209
260	2142	.062	.140	.615	-.366
260	2143	-.033	.061	.238	-.233
260	2144	.213	.101	.707	-.097
260	2145	.219	.109	.691	-.031
260	2146	.058	.106	.625	-.314
260	2147	.230	.107	.695	-.020
260	2148	.182	.109	.769	-.120
260	2149	.102	.121	.922	-.372
260	2150	.022	.067	.333	-.150
260	2151	.125	.085	.557	-.085
260	2152	.293	.120	.810	-.017
260	2153	.318	.135	.851	-.107
260	2154	.330	.148	1.006	-.053
260	2155	.263	.125	.842	-.154
260	2201	.031	.203	.615	-1.103
260	2202	.087	.134	.571	-.754
260	2203	.030	.133	.573	-.650
260	2204	-.026	.151	.627	-.872
260	2205	-.079	.182	.700	-1.008
260	2206	-.137	.181	.800	-.984
260	2207	-.215	.152	.527	-.827
260	2208	-.031	.227	.653	-1.019
260	2209	.029	.197	.721	-.914
260	2210	.039	.129	.502	-.408
260	2211	-.059	.107	.406	-.567
260	2212	-.145	.113	.311	-.655
260	2213	-.248	.100	.200	-.828
260	2214	-.301	.086	.269	-.670
260	2215	-.347	.282	.498	-1.479
260	2216	-.171	.271	.524	-1.441
260	2217	-.089	.121	.332	-.543
260	2218	-.144	.100	.271	-.522
260	2219	-.181	.083	.159	-.501
260	2220	-.252	.070	.081	-.576
260	2221	-.313	.068	.058	-.612
260	2222	-.417	.289	.604	-1.634
260	2223	-.258	.289	.591	-1.547
260	2224	-.117	.134	.299	-.817
260	2225	-.155	.111	.223	-.538
260	2226	-.172	.100	.276	-.528
260	2227	-.236	.082	.139	-.619

APPENDIX A — PRESSURE DATA ; CONFIGURATION A : GATEWAY PROJECT TOWERS

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
260	2228	-.274	.073	.141	-.560
260	2229	-.394	.290	.482	-1.573
260	2230	-.197	.246	.499	-1.319
260	2231	-.131	.124	.372	-.661
260	2232	-.145	.098	.221	-.539
260	2233	-.152	.081	.163	-.552
260	2234	-.213	.069	.113	-.493
260	2235	-.255	.064	.042	-.486
260	2236	-.296	.229	.304	-1.469
260	2237	-.137	.193	.318	-1.156
260	2238	-.093	.097	.243	-.784
260	2239	-.114	.072	.164	-.521
260	2240	-.130	.059	.088	-.383
260	2241	-.204	.051	.010	-.438
260	2242	-.250	.051	-.057	-.463
260	2243	-.218	.175	.283	-1.228
260	2244	-.081	.121	.345	-.851
260	2245	-.063	.075	.244	-.419
260	2246	-.082	.061	.148	-.328
260	2247	-.100	.051	.119	-.295
260	2248	-.187	.046	.003	-.401
260	2249	-.233	.047	-.042	-.419
260	2250	-.145	.148	.380	-1.067
260	2251	-.031	.076	.246	-.461
260	2252	-.086	.047	.115	-.328
260	2253	-.225	.042	-.078	-.383
260	2254	.259	.127	.984	-.085
260	2255	-.104	.141	.410	-.685
260	2256	-.025	.142	.483	-.814
260	2257	.032	.085	.468	-.302
260	2258	.003	.068	.293	-.235
260	2259	-.062	.045	.117	-.213
260	2260	-.155	.035	.019	-.316
260	2261	-.203	.039	-.049	-.414
260	2301	-.332	.079	-.093	-.770
260	2302	-.327	.087	-.052	-.843
260	2303	-.318	.080	-.064	-.753
260	2304	-.319	.084	-.075	-.810
260	2305	-.317	.076	-.087	-.671
260	2306	-.324	.083	-.078	-.789
260	2307	-.316	.077	-.057	-.615
260	2308	-.323	.072	-.099	-.667
260	2309	-.333	.077	-.109	-.717
260	2310	-.345	.089	-.085	-.889
260	2311	-.341	.080	-.121	-.769
260	2312	-.357	.076	-.131	-.820
260	2313	-.347	.073	-.154	-.641
260	2314	-.335	.069	-.133	-.700
260	2315	-.340	.068	-.144	-.685
260	2316	-.349	.075	-.128	-1.150

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
260	2317	-.354	.068	-.152	-.829
260	2318	-.356	.068	-.167	-.800
260	2319	-.335	.065	-.105	-.725
260	2320	-.320	.060	-.165	-.624
260	2321	-.329	.056	-.168	-.619
260	2322	-.321	.054	-.139	-.582
260	2323	-.323	.052	-.156	-.570
260	2324	-.353	.055	-.190	-.694
260	2325	-.351	.053	-.192	-.678
260	2326	-.355	.052	-.177	-.593
260	2327	-.359	.053	-.158	-.636
260	2328	-.326	.062	-.120	-.685
260	2329	-.326	.061	-.109	-.695
260	2330	-.333	.057	-.151	-.671
260	2331	-.307	.051	-.149	-.531
260	2332	-.314	.047	-.170	-.516
260	2333	-.322	.053	-.147	-.521
260	2334	-.314	.048	-.183	-.502
260	2335	-.320	.050	-.118	-.483
260	2336	-.327	.051	-.120	-.498
260	2337	-.297	.062	-.063	-.577
260	2338	-.298	.059	-.080	-.566
260	2339	-.308	.057	-.089	-.614
260	2340	-.297	.054	-.037	-.553
260	2341	-.298	.051	-.144	-.521
260	2342	-.307	.050	-.146	-.570
260	2343	-.298	.050	-.138	-.566
260	2344	-.297	.052	-.123	-.495
260	2345	-.318	.055	-.108	-.521
260	2346	-.297	.061	-.083	-.568
260	2347	-.288	.053	-.135	-.500
260	2348	-.312	.061	-.116	-.708
260	2349	-.289	.055	-.055	-.454
260	2350	-.296	.052	-.056	-.459
260	2351	-.297	.052	-.089	-.473
260	2352	-.297	.052	-.100	-.465
260	2353	-.302	.051	-.083	-.557
260	2354	-.315	.059	-.105	-.543
260	2355	-.309	.064	-.120	-.600
260	2356	-.313	.063	-.137	-.595
260	2357	-.314	.058	-.113	-.553
260	2358	-.303	.058	-.083	-.498
260	2359	-.307	.056	-.109	-.503
260	2360	-.312	.055	-.132	-.504
260	2361	-.313	.054	-.125	-.490
260	2362	-.315	.058	-.120	-.536
260	2363	-.317	.061	-.082	-.557
260	2364	-.302	.055	-.116	-.536
260	2365	-.313	.051	-.148	-.548
260	2366	-.305	.054	-.077	-.562

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
260	2367	-.319	.052	-.130	-.534
260	2368	-.326	.049	-.114	-.509
260	2369	-.283	.062	-.106	-.550
260	2370	-.288	.059	-.118	-.558
260	2371	-.292	.056	-.104	-.548
260	2372	-.290	.055	-.098	-.546
260	2373	-.300	.051	-.120	-.603
260	2374	-.304	.049	-.115	-.603
260	2375	-.308	.049	-.150	-.596
260	2376	-.317	.048	-.158	-.530
260	2377	-.323	.050	-.149	-.476
260	2401	-.367	.097	-.041	-.854
260	2402	-.363	.096	.002	-1.135
260	2403	-.370	.092	-.087	-.776
260	2404	-.370	.072	-.138	-.665
260	2405	-.350	.063	-.166	-.630
260	2406	-.331	.060	-.135	-.627
260	2407	-.335	.055	-.136	-.538
260	2408	-.367	.069	-.159	-.730
260	2409	-.366	.064	-.168	-.673
260	2410	-.359	.058	-.190	-.598
260	2411	-.354	.052	-.188	-.546
260	2412	-.337	.050	-.197	-.565
260	2413	-.338	.053	-.177	-.645
260	2414	-.329	.052	-.151	-.526
260	2415	-.353	.056	-.168	-.541
260	2416	-.357	.048	-.180	-.551
260	2417	-.353	.045	-.214	-.505
260	2418	-.353	.044	-.215	-.511
260	2419	-.339	.045	-.186	-.505
260	2420	-.330	.048	-.172	-.495
260	2421	-.334	.048	-.170	-.516
260	2422	-.350	.058	-.139	-.620
260	2423	-.340	.055	-.093	-.599
260	2424	-.340	.046	-.187	-.502
260	2425	-.329	.043	-.197	-.483
260	2426	-.324	.044	-.192	-.492
260	2427	-.310	.046	-.166	-.482
260	2428	-.310	.047	-.170	-.486
260	2429	-.334	.064	-.137	-.592
260	2430	-.326	.057	-.151	-.603
260	2431	-.327	.048	-.163	-.494
260	2432	-.325	.046	-.150	-.484
260	2433	-.306	.042	-.168	-.449
260	2434	-.296	.044	-.161	-.453
260	2435	-.295	.045	-.157	-.466
260	2436	-.316	.056	-.080	-.559
260	2437	-.320	.058	-.037	-.679
260	2438	-.319	.048	-.168	-.625
260	2439	-.317	.046	-.180	-.494

APPENDIX A -- PRESSURE DATA ;   CONFIGURATION A : GATEWAY PROJECT TOWERS

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
260	2440	-.316	.046	-.170	-.482
260	2441	-.297	.050	-.141	-.519
260	2442	-.299	.049	-.142	-.483
260	2443	-.337	.061	-.098	-.617
260	2444	-.331	.059	-.122	-.595
260	2445	-.326	.052	-.155	-.510
260	2446	-.327	.051	-.163	-.553
260	2447	-.320	.052	-.122	-.557
260	2448	-.307	.054	-.102	-.560
260	2449	-.304	.055	-.094	-.556
260	2450	-.327	.056	-.138	-.588
260	2451	-.332	.052	-.178	-.610
260	2452	-.313	.055	-.177	-.567
260	2453	-.304	.057	-.143	-.675
260	2454	-.297	.051	-.146	-.486
260	2455	-.325	.046	-.149	-.588
260	2456	-.318	.046	-.145	-.547
260	2457	-.310	.044	-.174	-.472
260	2458	-.315	.050	-.154	-.500
260	2459	-.312	.054	-.151	-.547
260	2460	-.313	.060	-.135	-.621
260	2461	-.299	.057	-.101	-.570
260	2901	-.420	.094	-.126	-.907
260	2902	-.430	.094	-.140	-.891
260	2903	-.320	.169	.617	-.938
260	2904	-.406	.080	-.123	-.783
260	2905	-.444	.126	.038	-1.314
260	2906	-.269	.228	.704	-.928
260	2907	-.426	.091	-.111	-.864
260	2908	-.423	.143	.083	-1.201
260	2909	-.379	.162	.175	-1.279
260	2910	.185	.102	.675	-.217
260	2911	.245	.115	.736	-.059
270	1101	-.400	.153	.089	-1.073
270	1102	-.309	.122	.191	-.998
270	1103	-.299	.170	.081	-1.136
270	1104	-.458	.199	.124	-1.310
270	1105	-.627	.212	-.048	-1.635
270	1106	-.607	.210	.026	-2.489
270	1107	-.335	.135	.094	-.944
270	1108	-.292	.132	.117	-.929
270	1109	-.367	.199	.105	-1.355
270	1110	-.551	.224	.038	-1.311
270	1111	-.576	.181	-.040	-1.471
270	1112	-.600	.198	.073	-1.665
270	1113	-.309	.168	.122	-1.175
270	1114	-.305	.171	.164	-.926
270	1115	-.404	.209	.231	-1.133
270	1116	-.514	.216	.127	-1.451
270	1117	-.506	.168	.047	-1.404

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
270	1118	-.500	.163	-.048	-1.381
270	1119	-.330	.196	.224	-1.354
270	1120	-.325	.190	.199	-1.101
270	1121	-.424	.225	.127	-1.250
270	1122	-.534	.232	.138	-1.661
270	1123	-.529	.187	-.002	-1.755
270	1124	-.482	.176	.095	-1.340
270	1125	-.318	.179	.099	-1.342
270	1126	-.308	.179	.202	-1.100
270	1127	-.391	.229	.235	-1.524
270	1128	-.505	.254	.118	-2.135
270	1129	-.500	.208	.147	-1.638
270	1130	-.488	.192	.133	-1.549
270	1131	-.305	.166	.058	-1.397
270	1132	-.293	.166	.151	-1.166
270	1133	-.368	.218	.171	-1.257
270	1134	-.430	.225	.184	-1.495
270	1135	-.452	.216	.058	-2.374
270	1136	-.446	.204	.065	-2.056
270	1137	-.193	.134	.214	-1.296
270	1138	-.170	.134	.259	-.829
270	1139	-.283	.191	.285	-1.441
270	1140	-.444	.249	.166	-1.847
270	1141	-.400	.194	.096	-1.969
270	1142	-.393	.194	.119	-1.765
270	1143	-.105	.090	.195	-.743
270	1144	-.178	.169	.340	-.830
270	1145	-.394	.216	.225	-1.402
270	1146	-.395	.188	.081	-1.518
270	1147	-.075	.090	.325	-.753
270	1148	-.054	.095	.388	-.565
270	1149	-.133	.180	.515	-1.366
270	1150	-.039	.106	.345	-.693
270	1151	-.044	.101	.356	-.571
270	1152	-.124	.189	.406	-1.485
270	1153	-.262	.222	.347	-1.378
270	1154	-.416	.245	.185	-2.266
270	1155	-.378	.213	.068	-1.608
270	1201	.388	.151	.914	-.140
270	1202	.274	.141	.701	-.165
270	1203	.110	.109	.465	-.203
270	1204	.038	.091	.380	-.225
270	1205	-.026	.076	.230	-.271
270	1206	-.134	.065	.151	-.409
270	1207	-.223	.069	.048	-.543
270	1208	.498	.178	1.022	-.003
270	1209	.519	.168	1.073	.007
270	1210	.398	.140	.832	-.048
270	1211	.279	.119	.707	-.210
270	1212	.181	.101	.625	-.179

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
270	1213	-.045	.071	.289	-.334
270	1214	-.255	.079	-.010	-.556
270	1215	.461	.175	1.147	-.051
270	1216	.506	.164	1.050	.035
270	1217	.439	.141	.905	.055
270	1218	.322	.120	.741	.002
270	1219	.183	.096	.548	-.111
270	1220	-.048	.069	.221	-.331
270	1221	-.207	.073	.024	-.542
270	1222	.387	.169	.974	-.175
270	1223	.454	.165	1.106	-.039
270	1224	.385	.135	.876	.040
270	1225	.289	.111	.729	.009
270	1226	.161	.089	.557	-.076
270	1227	-.031	.064	.276	-.238
270	1228	-.188	.086	.106	-.738
270	1229	.312	.149	.821	-.107
270	1230	.371	.148	.878	-.019
270	1231	.343	.128	.777	.056
270	1232	.255	.109	.683	.020
270	1233	.145	.085	.495	-.042
270	1234	-.051	.066	.216	-.282
270	1235	-.156	.074	.063	-.483
270	1236	.201	.131	.708	-.215
270	1237	.301	.127	.857	-.030
270	1238	.290	.113	.852	-.015
270	1239	.225	.094	.689	-.018
270	1240	.119	.076	.499	-.085
270	1241	-.055	.062	.235	-.309
270	1242	-.176	.076	.034	-.513
270	1243	.137	.114	.674	-.274
270	1244	.219	.114	.770	-.047
270	1245	.216	.100	.659	-.015
270	1246	.179	.084	.558	-.039
270	1247	.103	.064	.380	-.067
270	1248	-.040	.055	.232	-.306
270	1249	-.160	.071	.083	-.531
270	1250	.055	.100	.534	-.258
270	1251	.199	.087	.609	.014
270	1252	.110	.062	.441	-.050
270	1253	-.142	.074	.156	-.452
270	1254	.025	.088	.470	-.282
270	1255	.156	.099	.651	-.069
270	1256	.246	.115	.794	.027
270	1257	.226	.099	.637	.030
270	1258	.147	.073	.442	-.010
270	1259	-.016	.052	.180	-.272
270	1260	-.132	.077	.145	-.594
270	1301	-.436	.134	-.138	-1.129
270	1302	-.436	.131	-.107	-1.079

APPENDIX A -- PRESSURE DATA ;   CONFIGURATION A : GATEWAY PROJECT TOWERS

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
270	1303	-.374	.122	-.049	-.891
270	1304	-.361	.117	-.071	-.994
270	1305	-.337	.107	.059	-.803
270	1306	-.329	.161	.475	-.912
270	1307	-.292	.130	.178	-.983
270	1308	-.201	.115	.227	-.668
270	1309	-.204	.113	.185	-.738
270	1310	-.399	.119	-.071	-1.037
270	1311	-.387	.121	-.074	-1.009
270	1312	-.368	.120	.045	-1.075
270	1313	-.339	.113	.039	-.987
270	1314	-.330	.098	.074	-.717
270	1315	-.341	.130	.165	-.855
270	1316	-.307	.125	.261	-.862
270	1317	-.206	.114	.174	-.724
270	1318	-.209	.130	.173	-.890
270	1319	-.362	.130	-.066	-1.168
270	1320	-.364	.128	-.083	-.931
270	1321	-.353	.126	-.007	-1.069
270	1322	-.319	.122	.054	-.923
270	1323	-.313	.109	.083	-.780
270	1324	-.339	.146	.223	-1.073
270	1325	-.299	.137	.181	-.943
270	1326	-.198	.137	.202	-1.102
270	1327	-.209	.153	.259	-1.033
270	1328	-.324	.116	-.035	-1.244
270	1329	-.332	.121	-.015	-1.360
270	1330	-.335	.134	.007	-1.109
270	1331	-.289	.120	.076	-.885
270	1332	-.280	.102	.098	-.738
270	1333	-.312	.137	.202	-.952
270	1334	-.262	.128	.431	-.824
270	1335	-.185	.128	.197	-.766
270	1336	-.189	.146	.315	-.931
270	1337	-.334	.124	-.069	-.982
270	1338	-.343	.128	-.072	-1.057
270	1339	-.333	.137	.066	-1.078
270	1340	-.293	.123	.064	-1.066
270	1341	-.271	.107	.058	-.763
270	1342	-.288	.149	.310	-1.028
270	1343	-.252	.128	.210	-.996
270	1344	-.161	.117	.217	-.797
270	1345	-.166	.137	.249	-.892
270	1346	-.353	.137	-.076	-1.204
270	1347	-.365	.145	-.095	-1.063
270	1348	-.301	.139	.116	-1.278
270	1349	-.272	.131	.033	-1.041
270	1350	-.237	.108	.119	-.770
270	1351	-.244	.168	.474	-1.022
270	1352	-.199	.140	.225	-.853

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
270	1353	-.123	.117	.180	-.676
270	1354	-.120	.130	.252	-1.018
270	1355	-.344	.125	-.052	-1.203
270	1356	-.341	.129	.069	-1.221
270	1357	-.213	.142	.165	-.904
270	1358	-.206	.135	.123	-.961
270	1359	-.156	.106	.095	-.734
270	1360	-.131	.162	.476	-.858
270	1361	-.125	.125	.247	-.874
270	1362	-.070	.079	.215	-.508
270	1363	-.059	.071	.150	-.484
270	1364	-.317	.123	-.012	-.994
270	1365	-.174	.134	.105	-.961
270	1366	-.087	.142	.461	-.795
270	1367	-.068	.091	.286	-.567
270	1368	-.028	.048	.151	-.399
270	1369	-.278	.144	.031	-.924
270	1370	-.267	.140	.061	-.846
270	1371	-.106	.118	.265	-.884
270	1372	-.097	.103	.143	-.802
270	1373	-.048	.087	.256	-.552
270	1374	.042	.165	.863	-.954
270	1375	.019	.083	.510	-.488
270	1376	.000	.038	.193	-.227
270	1377	-.012	.034	.146	-.203
270	1401	-.220	.111	.166	-.818
270	1402	-.220	.107	.130	-.644
270	1403	-.260	.111	.155	-.798
270	1404	-.291	.116	.084	-.940
270	1405	-.328	.142	.062	-.941
270	1406	-.375	.149	.065	-1.171
270	1407	-.454	.185	.033	-1.336
270	1408	-.203	.110	.102	-.907
270	1409	-.201	.101	.112	-.721
270	1410	-.237	.114	.042	-.793
270	1411	-.237	.111	.084	-.862
270	1412	-.267	.117	.036	-.867
270	1413	-.331	.138	.077	-.893
270	1414	-.367	.150	.069	-1.073
270	1415	-.142	.087	.160	-.697
270	1416	-.137	.091	.181	-.665
270	1417	-.153	.100	.168	-.639
270	1418	-.197	.114	.225	-.877
270	1419	-.236	.122	.151	-.795
270	1420	-.291	.131	.117	-.877
270	1421	-.318	.146	.134	-1.041
270	1422	-.123	.083	.165	-.544
270	1423	-.123	.074	.144	-.497
270	1424	-.142	.082	.198	-.510
270	1425	-.177	.098	.198	-.602

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
270	1426	-.232	.114	.069	-.762
270	1427	-.287	.133	.142	-.807
270	1428	-.307	.152	.198	-1.017
270	1429	-.107	.076	.215	-.402
270	1430	-.108	.070	.155	-.395
270	1431	-.125	.075	.137	-.428
270	1432	-.173	.093	.098	-.574
270	1433	-.228	.111	.092	-.757
270	1434	-.294	.136	.049	-.859
270	1435	-.317	.151	.103	-1.025
270	1436	-.089	.067	.150	-.388
270	1437	-.082	.057	.139	-.365
270	1438	-.100	.059	.351	-.462
270	1439	-.137	.071	.107	-.576
270	1440	-.197	.093	.069	-.662
270	1441	-.271	.119	.060	-.807
270	1442	-.304	.133	.069	-.933
270	1443	-.063	.052	.128	-.598
270	1444	-.059	.046	.117	-.332
270	1445	-.071	.044	.080	-.368
270	1446	-.096	.053	.091	-.544
270	1447	-.145	.074	.067	-.463
270	1448	-.224	.111	.072	-.782
270	1449	-.251	.122	.112	-.866
270	1450	-.028	.040	.124	-.186
270	1451	-.045	.035	.093	-.219
270	1452	-.103	.064	.091	-.593
270	1453	-.199	.113	.184	-.706
270	1454	-.027	.034	.098	-.167
270	1455	-.033	.033	.112	-.192
270	1456	-.034	.033	.098	-.232
270	1457	-.027	.043	.161	-.262
270	1458	-.036	.062	.198	-.375
270	1459	-.100	.114	.287	-.825
270	1460	-.125	.126	.242	-.837
270	1461	-.103	.117	.268	-.658
270	1901	-.283	.185	.274	-.986
270	1902	-.337	.131	.081	-1.017
270	1903	-.303	.133	.162	-.931
270	1904	-.541	.159	-.012	-1.140
270	1905	-.495	.134	-.135	-.991
270	1906	-.388	.182	.040	-1.417
270	1907	-.570	.139	-.194	-1.206
270	1908	-.542	.134	-.168	-1.113
270	1909	-.389	.127	-.053	-.916
270	1910	-.051	.107	.339	-.710
270	1911	-.023	.103	.444	-.573
270	2101	.143	.120	.615	-.277
270	2102	.217	.135	.772	-.206
270	2103	.306	.146	.762	-.228

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
270	2104	.341	.148	.854	-.093	270	2154	.328	.128	1.088	.064	270	2249	-.263	.048	-.080	-.453
270	2105	.346	.149	.863	-.154	270	2155	.279	.108	.826	.014	270	2250	-.061	.111	.296	-.614
270	2106	.300	.150	.821	-.284	270	2201	-.061	.174	.559	-.887	270	2251	.021	.053	.238	-.166
270	2107	.121	.106	.536	-.185	270	2202	.048	.110	.434	-.549	270	2252	-.068	.037	.181	-.187
270	2108	.289	.134	.748	-.124	270	2203	.008	.096	.397	-.397	270	2253	-.247	.044	-.116	-.438
270	2109	.458	.164	1.033	-.025	270	2204	-.016	.093	.404	-.390	270	2254	.269	.106	.799	.007
270	2110	.505	.172	1.032	.025	270	2205	-.029	.103	.457	-.348	270	2255	.017	.116	.611	-.421
270	2111	.438	.172	.968	-.054	270	2206	-.069	.098	.404	-.365	270	2256	.056	.107	.431	-.391
270	2112	.330	.168	.924	-.189	270	2207	-.176	.081	.144	-.569	270	2257	.085	.069	.376	-.111
270	2113	.128	.100	.564	-.166	270	2208	.014	.197	.651	-.712	270	2258	.043	.056	.309	-.128
270	2114	.298	.123	.767	-.066	270	2209	.138	.166	.709	-.375	270	2259	-.049	.037	.140	-.168
270	2115	.511	.160	1.075	.071	270	2210	.142	.101	.477	-.144	270	2260	-.175	.034	-.067	-.306
270	2116	.540	.166	1.200	.119	270	2211	.062	.086	.339	-.191	270	2261	-.233	.041	-.104	-.395
270	2117	.407	.157	1.013	-.029	270	2212	-.011	.078	.300	-.330	270	2301	-.334	.066	-.117	-.583
270	2118	.271	.145	.850	-.147	270	2213	-.179	.061	.176	-.446	270	2302	-.336	.074	-.083	-.626
270	2119	.085	.095	.602	-.212	270	2214	-.284	.058	-.066	-.561	270	2303	-.345	.082	-.051	-.674
270	2120	.253	.121	.810	-.045	270	2215	-.091	.155	.457	-.756	270	2304	-.356	.088	-.085	-.748
270	2121	.431	.139	.921	.056	270	2216	.014	.168	.529	-.667	270	2305	-.352	.082	-.100	-.721
270	2122	.454	.140	.961	.074	270	2217	.074	.078	.429	-.229	270	2306	-.354	.085	-.086	-.745
270	2123	.331	.136	.867	.002	270	2218	-.017	.063	.311	-.299	270	2307	-.345	.084	-.088	-.755
270	2124	.199	.133	.794	-.187	270	2219	-.114	.054	.131	-.343	270	2308	-.352	.077	-.095	-.820
270	2125	.067	.091	.439	-.188	270	2220	-.235	.049	-.025	-.428	270	2309	-.365	.081	-.087	-.890
270	2126	.193	.107	.600	-.054	270	2221	-.310	.054	-.133	-.544	270	2310	-.378	.087	-.130	-.859
270	2127	.353	.132	.870	.011	270	2222	-.142	.147	.473	-.747	270	2311	-.372	.084	-.148	-.757
270	2128	.375	.137	.883	.028	270	2223	-.037	.159	.422	-.638	270	2312	-.398	.077	-.124	-.717
270	2129	.283	.132	.857	-.084	270	2224	.032	.074	.353	-.217	270	2313	-.386	.078	-.151	-.685
270	2130	.169	.124	.809	-.211	270	2225	-.042	.060	.273	-.313	270	2314	-.367	.080	-.139	-.763
270	2131	.027	.082	.419	-.290	270	2226	-.113	.055	.171	-.351	270	2315	-.370	.077	-.133	-.738
270	2132	.147	.097	.616	-.198	270	2227	-.223	.049	-.003	-.441	270	2316	-.383	.072	-.166	-.667
270	2133	.317	.118	.847	-.015	270	2228	-.285	.056	-.078	-.528	270	2317	-.393	.068	-.169	-.710
270	2134	.347	.125	.914	-.007	270	2229	-.139	.150	.417	-.688	270	2318	-.399	.068	-.194	-.712
270	2135	.254	.126	.765	-.141	270	2230	-.007	.127	.421	-.603	270	2319	-.344	.059	-.086	-.609
270	2136	.174	.124	.637	-.239	270	2231	.000	.070	.366	-.233	270	2320	-.334	.057	-.160	-.604
270	2137	-.025	.077	.292	-.320	270	2232	-.055	.058	.200	-.322	270	2321	-.341	.057	-.181	-.662
270	2138	.082	.088	.444	-.179	270	2233	-.111	.051	.153	-.371	270	2322	-.337	.055	-.174	-.579
270	2139	.217	.107	.640	-.040	270	2234	-.218	.049	.110	-.441	270	2323	-.335	.055	-.171	-.586
270	2140	.240	.113	.726	-.048	270	2235	-.276	.052	-.028	-.477	270	2324	-.344	.053	-.173	-.525
270	2141	.163	.101	.661	-.202	270	2236	-.124	.144	.431	-.660	270	2325	-.347	.053	-.148	-.564
270	2142	.090	.099	.556	-.274	270	2237	-.008	.114	.437	-.566	270	2326	-.362	.054	-.169	-.593
270	2143	-.052	.060	.248	-.253	270	2238	.004	.061	.294	-.236	270	2327	-.375	.056	-.171	-.629
270	2144	.187	.092	.545	-.050	270	2239	-.051	.047	.156	-.282	270	2328	-.317	.054	-.143	-.512
270	2145	.229	.103	.689	-.034	270	2240	-.103	.040	.077	-.345	270	2329	-.319	.054	-.124	-.505
270	2146	.102	.098	.517	-.145	270	2241	-.211	.040	-.061	-.433	270	2330	-.327	.052	-.123	-.531
270	2147	.255	.103	.763	.004	270	2242	-.270	.048	-.098	-.485	270	2331	-.319	.050	-.130	-.518
270	2148	.216	.102	.678	-.205	270	2243	-.105	.128	.357	-.575	270	2332	-.315	.049	-.131	-.505
270	2149	.129	.092	.545	-.190	270	2244	-.004	.104	.394	-.477	270	2333	-.320	.049	-.149	-.490
270	2150	.011	.070	.358	-.176	270	2245	.005	.061	.261	-.210	270	2334	-.325	.053	-.119	-.572
270	2151	.113	.087	.504	-.094	270	2246	-.037	.048	.174	-.211	270	2335	-.357	.058	-.166	-.566
270	2152	.269	.116	.847	-.007	270	2247	-.087	.041	.109	-.314	270	2336	-.368	.059	-.175	-.577
270	2153	.320	.120	.904	.051	270	2248	-.208	.042	-.034	-.370	270	2337	-.309	.058	-.088	-.516

APPENDIX A -- PRESSURE DATA ; CONFIGURATION A : GATEWAY PROJECT TOWERS

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
270	2338	-.307	.056	-.118	-.520
270	2339	-.321	.058	-.086	-.555
270	2340	-.316	.055	-.123	-.501
270	2341	-.316	.052	-.116	-.561
270	2342	-.309	.053	-.099	-.494
270	2343	-.328	.057	-.109	-.579
270	2344	-.345	.060	-.112	-.602
270	2345	-.355	.062	-.121	-.620
270	2346	-.319	.058	-.025	-.510
270	2347	-.326	.062	-.139	-.553
270	2348	-.334	.059	-.149	-.563
270	2349	-.326	.058	-.045	-.542
270	2350	-.323	.056	-.079	-.508
270	2351	-.326	.057	-.124	-.516
270	2352	-.337	.062	-.094	-.613
270	2353	-.339	.067	-.014	-.598
270	2354	-.357	.070	-.081	-.692
270	2355	-.338	.063	-.167	-.597
270	2356	-.341	.063	-.178	-.597
270	2357	-.356	.064	-.180	-.658
270	2358	-.353	.062	-.086	-.559
270	2359	-.351	.062	-.169	-.559
270	2360	-.356	.062	-.183	-.567
270	2361	-.358	.070	-.100	-.647
270	2362	-.366	.067	-.091	-.584
270	2363	-.372	.067	-.088	-.624
270	2364	-.329	.062	-.166	-.609
270	2365	-.337	.059	-.185	-.596
270	2366	-.335	.060	-.174	-.543
270	2367	-.358	.064	-.153	-.629
270	2368	-.365	.063	-.181	-.670
270	2369	-.312	.068	-.083	-.609
270	2370	-.315	.066	-.108	-.601
270	2371	-.323	.063	-.149	-.586
270	2372	-.323	.062	-.139	-.590
270	2373	-.331	.057	-.119	-.585
270	2374	-.330	.057	-.123	-.579
270	2375	-.345	.056	-.167	-.572
270	2376	-.357	.056	-.197	-.572
270	2377	-.360	.056	-.190	-.578
270	2401	-.434	.110	-.109	-.983
270	2402	-.431	.108	-.078	-1.059
270	2403	-.425	.091	-.128	-.830
270	2404	-.403	.068	-.126	-.678
270	2405	-.388	.061	-.158	-.664
270	2406	-.366	.058	-.165	-.597
270	2407	-.354	.062	-.165	-.667
270	2408	-.429	.089	-.183	-.934
270	2409	-.416	.078	-.170	-.766
270	2410	-.396	.063	-.198	-.705
270	2411	-.381	.057	-.203	-.620
270	2412	-.366	.054	-.192	-.592
270	2413	-.362	.055	-.175	-.604
270	2414	-.362	.059	-.156	-.620
270	2415	-.416	.073	-.167	-.711
270	2416	-.389	.062	-.202	-.652
270	2417	-.387	.053	-.233	-.656
270	2418	-.376	.051	-.212	-.554
270	2419	-.361	.053	-.171	-.572
270	2420	-.351	.055	-.167	-.583
270	2421	-.344	.051	-.168	-.561
270	2422	-.405	.072	-.229	-.892
270	2423	-.390	.066	-.214	-.803
270	2424	-.368	.049	-.227	-.601
270	2425	-.355	.046	-.202	-.535
270	2426	-.346	.048	-.201	-.519
270	2427	-.333	.051	-.176	-.500
270	2428	-.328	.051	-.176	-.500
270	2429	-.393	.083	-.128	-.809
270	2430	-.379	.073	-.201	-.765
270	2431	-.361	.055	-.198	-.609
270	2432	-.349	.052	-.200	-.546
270	2433	-.348	.055	-.187	-.573
270	2434	-.339	.056	-.172	-.591
270	2435	-.337	.058	-.155	-.591
270	2436	-.408	.085	-.160	-.911
270	2437	-.393	.074	-.161	-.709
270	2438	-.377	.057	-.227	-.588
270	2439	-.366	.055	-.221	-.568
270	2440	-.342	.059	-.149	-.557
270	2441	-.340	.057	-.184	-.551
270	2442	-.332	.060	-.142	-.565
270	2443	-.394	.075	-.189	-.913
270	2444	-.384	.072	-.192	-.754
270	2445	-.367	.064	-.209	-.608
270	2446	-.354	.058	-.199	-.585
270	2447	-.346	.056	-.199	-.586
270	2448	-.336	.057	-.192	-.588
270	2449	-.331	.057	-.184	-.597
270	2450	-.391	.069	-.162	-.734
270	2451	-.372	.060	-.213	-.593
270	2452	-.358	.062	-.164	-.600
270	2453	-.348	.063	-.140	-.590
270	2454	-.338	.066	-.166	-.640
270	2455	-.369	.066	-.201	-.744
270	2456	-.365	.065	-.203	-.704
270	2457	-.353	.062	-.214	-.703
270	2458	-.364	.063	-.207	-.673
270	2459	-.357	.066	-.165	-.689
270	2460	-.333	.064	-.166	-.635
270	2461	-.343	.070	-.151	-.678
270	2901	-.491	.085	-.202	-.960
270	2902	-.480	.089	-.201	-.946
270	2903	-.435	.108	.031	-.977
270	2904	-.448	.082	-.173	-.851
270	2905	-.468	.102	-.169	-.977
270	2906	-.438	.122	.096	-1.000
270	2907	-.459	.087	-.183	-.812
270	2908	-.451	.107	-.096	-.974
270	2909	-.457	.133	-.090	-1.261
270	2910	.217	.093	.673	-.015
270	2911	.245	.103	.679	-.037
280	1101	-.516	.114	-.196	-.915
280	1102	-.288	.069	-.029	-.575
280	1103	-.123	.048	.122	-.620
280	1104	-.150	.091	.057	-.772
280	1105	-.640	.364	.238	-1.852
280	1106	-.738	.319	.255	-2.362
280	1107	-.425	.108	-.091	-.872
280	1108	-.294	.074	-.019	-.640
280	1109	-.120	.083	.127	-.972
280	1110	-.242	.236	.176	-1.225
280	1111	-.573	.232	.238	-1.394
280	1112	-.623	.223	.315	-1.387
280	1113	-.338	.097	-.050	-.838
280	1114	-.256	.089	.043	-.933
280	1115	-.187	.159	.147	-.936
280	1116	-.327	.277	.187	-1.345
280	1117	-.516	.219	.281	-1.451
280	1118	-.514	.187	.228	-1.292
280	1119	-.349	.098	-.032	-.824
280	1120	-.257	.089	.058	-.776
280	1121	-.199	.164	.158	-1.020
280	1122	-.322	.264	.249	-1.376
280	1123	-.493	.220	.281	-1.912
280	1124	-.525	.200	.458	-1.719
280	1125	-.336	.103	.018	-.783
280	1126	-.261	.093	.063	-.786
280	1127	-.207	.164	.146	-1.098
280	1128	-.326	.250	.140	-1.327
280	1129	-.475	.230	.337	-1.815
280	1130	-.474	.199	.381	-1.507
280	1131	-.317	.106	.013	-1.211
280	1132	-.244	.094	.066	-1.234
280	1133	-.173	.140	.132	-.989
280	1134	-.257	.218	.217	-1.207
280	1135	-.441	.228	.222	-2.117
280	1136	-.414	.196	.480	-1.661
280	1137	-.223	.091	.171	-.733
280	1138	-.165	.082	.211	-.682

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
280	1139	-.125	.126	.173	-.994
280	1140	-.205	.212	.249	-1.267
280	1141	-.328	.241	.281	-1.571
280	1142	-.319	.199	.248	-1.461
280	1143	-.119	.077	.124	-.445
280	1144	-.089	.111	.299	-.688
280	1145	-.231	.199	.220	-1.157
280	1146	-.220	.182	.356	-1.366
280	1147	-.100	.081	.221	-.511
280	1148	-.055	.064	.261	-.526
280	1149	-.026	.080	.229	-.792
280	1150	.016	.070	.431	-.470
280	1151	-.016	.067	.303	-.413
280	1152	-.046	.109	.296	-.984
280	1153	-.137	.165	.339	-1.212
280	1154	-.232	.188	.314	-1.463
280	1155	-.226	.175	.188	-1.457
280	1201	.334	.157	.801	-.132
280	1202	.228	.125	.647	-.131
280	1203	.042	.092	.339	-.225
280	1204	-.007	.076	.264	-.262
280	1205	-.031	.072	.276	-.253
280	1206	-.099	.058	.182	-.310
280	1207	-.170	.052	.050	-.446
280	1208	.551	.172	1.083	-.008
280	1209	.477	.166	.956	-.114
280	1210	.317	.130	.707	-.093
280	1211	.203	.106	.559	-.133
280	1212	.116	.086	.442	-.179
280	1213	-.071	.051	.163	-.227
280	1214	-.218	.047	-.058	-.424
280	1215	.482	.171	1.102	.052
280	1216	.487	.155	.993	.088
280	1217	.361	.123	.743	.060
280	1218	.236	.098	.557	-.036
280	1219	.103	.075	.415	-.129
280	1220	-.090	.049	.127	-.246
280	1221	-.210	.046	-.032	-.384
280	1222	.438	.161	.977	-.039
280	1223	.441	.152	.925	.030
280	1224	.330	.116	.760	.058
280	1225	.217	.093	.609	-.032
280	1226	.097	.072	.396	-.085
280	1227	-.064	.047	.138	-.239
280	1228	-.182	.055	-.016	-.513
280	1229	.388	.154	1.007	-.079
280	1230	.396	.146	.966	.011
280	1231	.306	.115	.674	-.019
280	1232	.202	.093	.586	-.051
280	1233	.092	.071	.388	-.114

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
280	1234	-.083	.056	.163	-.308
280	1235	-.170	.059	.031	-.491
280	1236	.281	.142	.852	-.132
280	1237	.316	.129	.842	.017
280	1238	.247	.103	.629	-.011
280	1239	.167	.082	.502	-.079
280	1240	.071	.066	.321	-.094
280	1241	-.090	.054	.103	-.330
280	1242	-.194	.065	-.013	-.548
280	1243	.184	.118	.733	-.138
280	1244	.209	.104	.647	-.058
280	1245	.199	.086	.587	-.023
280	1246	.148	.072	.519	-.058
280	1247	.063	.058	.358	-.111
280	1248	-.089	.052	.114	-.299
280	1249	-.200	.071	.053	-.654
280	1250	.089	.091	.584	-.277
280	1251	.171	.077	.584	-.026
280	1252	.063	.054	.361	-.084
280	1253	-.196	.068	.041	-.566
280	1254	.059	.069	.394	-.221
280	1255	.144	.081	.488	-.138
280	1256	.214	.097	.714	.015
280	1257	.187	.082	.547	-.003
280	1258	.097	.062	.380	-.051
280	1259	-.074	.049	.136	-.335
280	1260	-.189	.071	-.011	-.582
280	1301	-.294	.067	-.118	-.688
280	1302	-.300	.069	-.129	-.718
280	1303	-.315	.072	-.049	-.736
280	1304	-.324	.069	-.108	-.658
280	1305	-.337	.069	-.013	-.625
280	1306	-.352	.083	.105	-.870
280	1307	-.335	.080	.049	-.774
280	1308	-.300	.079	.020	-.651
280	1309	-.278	.084	.061	-.700
280	1310	-.304	.066	-.150	-.676
280	1311	-.301	.064	-.150	-.756
280	1312	-.323	.076	-.093	-.841
280	1313	-.295	.069	-.059	-.618
280	1314	-.312	.065	-.064	-.671
280	1315	-.322	.074	-.096	-.843
280	1316	-.323	.079	.040	-.717
280	1317	-.278	.087	.079	-.639
280	1318	-.279	.115	.139	-.979
280	1319	-.275	.061	-.129	-.644
280	1320	-.270	.060	-.116	-.644
280	1321	-.293	.081	.041	-.916
280	1322	-.274	.072	-.022	-.708
280	1323	-.300	.074	-.082	-.677

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
280	1324	-.309	.090	-.047	-.937
280	1325	-.302	.088	.101	-.709
280	1326	-.275	.116	.141	-.971
280	1327	-.290	.137	.098	-1.113
280	1328	-.262	.068	-.087	-.698
280	1329	-.271	.070	-.094	-.720
280	1330	-.291	.085	-.042	-.790
280	1331	-.270	.075	-.054	-.812
280	1332	-.281	.072	-.013	-.622
280	1333	-.292	.095	-.038	-1.052
280	1334	-.286	.087	.111	-.692
280	1335	-.254	.110	.266	-.803
280	1336	-.266	.135	.223	-.934
280	1337	-.284	.077	-.087	-.729
280	1338	-.291	.079	-.090	-.765
280	1339	-.302	.087	.070	-1.293
280	1340	-.275	.076	-.077	-.706
280	1341	-.284	.074	.036	-.718
280	1342	-.303	.093	.063	-.841
280	1343	-.290	.096	.107	-.816
280	1344	-.237	.116	.149	-.782
280	1345	-.260	.153	.143	-.969
280	1346	-.324	.099	-.120	-1.023
280	1347	-.334	.103	-.125	-1.230
280	1348	-.334	.115	-.011	-1.106
280	1349	-.310	.108	-.025	-1.074
280	1350	-.286	.091	.019	-.920
280	1351	-.314	122	.214	-.927
280	1352	-.279	.118	.294	-.799
280	1353	-.202	.129	.263	-.794
280	1354	-.206	.161	.158	-1.169
280	1355	-.374	.124	-.115	-1.204
280	1356	-.375	.128	-.045	-1.317
280	1357	-.300	.127	.054	-1.042
280	1358	-.276	.132	.099	-.998
280	1359	-.239	.111	.051	-.629
280	1360	-.251	.150	.343	-1.168
280	1361	-.205	.147	.272	-.808
280	1362	-.121	.108	.149	-.601
280	1363	-.102	.099	.138	-.605
280	1364	-.370	.122	-.099	-1.174
280	1365	-.267	.128	.067	-1.095
280	1366	-.191	.161	.343	-.854
280	1367	-.122	.115	.309	-.548
280	1368	-.045	.057	.146	-.423
280	1369	-.332	.137	-.045	-1.110
280	1370	-.333	.133	-.040	-1.043
280	1371	-.190	.119	.098	-.951
280	1372	-.178	.114	.097	-.838
280	1373	-.115	.097	.205	-.573

APPENDIX A -- PRESSURE DATA ;   CONFIGURATION A : GATEWAY PROJECT TOWERS

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
280	1374	-.034	.179	.596	-.708
280	1375	-.029	.104	.375	-.648
280	1376	-.025	.044	.178	-.256
280	1377	-.029	.037	.232	-.260
280	1401	-.316	.086	-.039	-.756
280	1402	-.321	.088	-.044	-.677
280	1403	-.384	.109	-.059	-.773
280	1404	-.426	.135	-.040	-1.189
280	1405	-.535	.206	-.072	-1.379
280	1406	-.505	.155	-.102	-1.193
280	1407	-.555	.158	-.079	-1.233
280	1408	-.266	.089	.021	-.619
280	1409	-.260	.085	.064	-.663
280	1410	-.256	.093	.024	-.808
280	1411	-.282	.102	.032	-.726
280	1412	-.416	.136	-.046	-1.008
280	1413	-.491	.141	-.119	-1.125
280	1414	-.529	.157	-.168	-1.215
280	1415	-.211	.077	.069	-.572
280	1416	-.211	.079	.067	-.643
280	1417	-.246	.096	.056	-.688
280	1418	-.326	.117	.035	-.821
280	1419	-.397	.126	-.008	-.950
280	1420	-.435	.143	-.072	-1.230
280	1421	-.451	.148	-.102	-1.270
280	1422	-.201	.079	.040	-.636
280	1423	-.192	.084	.090	-.651
280	1424	-.235	.101	.067	-.769
280	1425	-.307	.123	.019	-.885
280	1426	-.383	.139	-.005	-1.051
280	1427	-.427	.135	-.015	-1.103
280	1428	-.440	.124	-.013	-1.218
280	1429	-.182	.076	.124	-.578
280	1430	-.173	.072	.091	-.526
280	1431	-.194	.086	.069	-.631
280	1432	-.270	.126	.060	-.906
280	1433	-.363	.149	-.006	-1.113
280	1434	-.411	.143	.011	-1.098
280	1435	-.419	.142	.033	-1.137
280	1436	-.138	.079	.077	-.527
280	1437	-.127	.066	.038	-.467
280	1438	-.132	.062	.058	-.401
280	1439	-.188	.090	.077	-.737
280	1440	-.321	.155	.110	-1.147
280	1441	-.437	.163	.060	-1.189
280	1442	-.453	.161	.055	-1.150
280	1443	-.089	.068	.101	-.426
280	1444	-.081	.052	.146	-.317
280	1445	-.089	.041	.053	-.268
280	1446	-.111	.046	.036	-.437
280	1447	-.181	.090	.029	-.792
280	1448	-.343	.166	.000	-1.079
280	1449	-.367	.166	.003	-1.079
280	1450	-.049	.047	.123	-.281
280	1451	-.059	.034	.065	-.216
280	1452	-.118	.057	.041	-.494
280	1453	-.280	.140	.010	-1.169
280	1454	-.041	.031	.102	-.177
280	1455	-.046	.031	.113	-.165
280	1456	-.042	.030	.086	-.150
280	1457	-.029	.042	.195	-.182
280	1458	-.057	.064	.289	-.426
280	1459	-.177	.159	.223	-1.070
280	1460	-.206	.164	.253	-1.172
280	1461	-.035	.074	.281	-.399
280	1901	.031	.130	.481	-.553
280	1902	-.203	.116	.188	-.689
280	1903	-.215	.163	.258	-.767
280	1904	-.338	.217	.541	-1.268
280	1905	-.421	.147	.060	-1.033
280	1906	-.081	.139	.373	-.738
280	1907	-.735	.183	-.076	-1.278
280	1908	-.527	.134	-.032	-1.084
280	1909	-.257	.109	.070	-.699
280	1910	-.009	.061	.263	-.399
280	1911	.014	.065	.281	-.356
280	2101	.232	.134	.685	-.245
280	2102	.299	.147	.920	-.236
280	2103	.337	.148	.783	-.113
280	2104	.335	.149	.825	-.154
280	2105	.289	.143	.715	-.130
280	2106	.200	.139	.643	-.251
280	2107	.205	.128	.720	-.181
280	2108	.347	.144	.848	-.027
280	2109	.484	.164	.951	.053
280	2110	.476	.159	1.103	.031
280	2111	.355	.149	.861	-.075
280	2112	.205	.147	.754	-.322
280	2113	.182	.117	.653	-.178
280	2114	.336	.135	.917	-.059
280	2115	.489	.159	1.103	.029
280	2116	.474	.157	1.038	.058
280	2117	.305	.139	.994	-.100
280	2118	.138	.133	.719	-.325
280	2119	.136	.110	.525	-.182
280	2120	.290	.133	.779	-.067
280	2121	.451	.147	.957	.071
280	2122	.440	.142	1.020	.043
280	2123	.275	.135	.732	-.113
280	2124	.114	.137	.661	-.268
280	2125	.128	.107	.568	-.164
280	2126	.256	.118	.729	-.054
280	2127	.393	.135	1.015	.060
280	2128	.384	.135	1.113	.071
280	2129	.243	.121	.733	-.067
280	2130	.108	.114	.617	-.242
280	2131	.071	.098	.452	-.202
280	2132	.192	.114	.676	-.092
280	2133	.335	.128	.862	.055
280	2134	.341	.129	.854	.034
280	2135	.221	.119	.679	-.100
280	2136	.127	.115	.613	-.254
280	2137	.003	.084	.453	-.239
280	2138	.109	.094	.661	-.130
280	2139	.230	.110	.899	-.029
280	2140	.238	.111	.822	-.038
280	2141	.164	.102	.895	-.157
280	2142	.076	.100	.766	-.303
280	2143	-.022	.084	.363	-.264
280	2144	.225	.099	.670	-.049
280	2145	.258	.116	.822	-.001
280	2146	.098	.095	.600	-.140
280	2147	.281	.114	.881	.034
280	2148	.226	.106	.740	-.131
280	2149	.110	.089	.535	-.178
280	2150	.018	.073	.390	-.171
280	2151	.124	.090	.556	-.100
280	2152	.276	.118	.833	.010
280	2153	.315	.128	.888	.031
280	2154	.326	.136	.977	.031
280	2155	.282	.119	.888	.012
280	2201	-.303	.166	.378	-.941
280	2202	-.078	.138	.344	-.696
280	2203	-.081	.075	.243	-.351
280	2204	-.109	.072	.187	-.386
280	2205	-.123	.073	.250	-.432
280	2206	-.148	.067	.185	-.381
280	2207	-.226	.063	.056	-.452
280	2208	-.240	.201	.565	-.925
280	2209	-.077	.182	.532	-.901
280	2210	.044	.092	.517	-.231
280	2211	-.018	.076	.324	-.261
280	2212	-.077	.061	.175	-.282
280	2213	-.215	.050	-.020	-.410
280	2214	-.288	.055	-.094	-.512
280	2215	-.278	.174	.311	-.889
280	2216	-.181	.205	.507	-.940
280	2217	.006	.072	.374	-.244
280	2218	-.068	.053	.215	-.289
280	2219	-.155	.042	.041	-.281

APPENDIX A -- PRESSURE DATA ; CONFIGURATION A ; GATEWAY PROJECT TOWERS

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
280	2220	-.258	.043	-.126	-.401
280	2221	-.323	.054	-.152	-.510
280	2222	-.301	.170	.233	-.989
280	2223	-.204	.197	.302	-1.076
280	2224	-.027	.068	.259	-.266
280	2225	-.092	.048	.127	-.258
280	2226	-.162	.040	.063	-.298
280	2227	-.258	.041	-.099	-.410
280	2228	-.296	.050	-.107	-.469
280	2229	-.272	.176	.301	-1.021
280	2230	-.118	.169	.328	-1.016
280	2231	-.032	.062	.212	-.423
280	2232	-.086	.045	.117	-.247
280	2233	-.142	.037	.035	-.265
280	2234	-.239	.040	-.058	-.379
280	2235	-.284	.048	-.083	-.446
280	2236	-.227	.169	.346	-.884
280	2237	-.091	.156	.362	-.755
280	2238	-.024	.061	.279	-.274
280	2239	-.074	.045	.155	-.286
280	2240	-.126	.039	.035	-.259
280	2241	-.240	.043	-.091	-.466
280	2242	-.296	.054	-.100	-.637
280	2243	-.160	.153	.313	-.856
280	2244	-.061	.123	.297	-.625
280	2245	-.016	.054	.255	-.207
280	2246	-.057	.042	.143	-.223
280	2247	-.112	.037	.059	-.279
280	2248	-.233	.042	-.077	-.387
280	2249	-.287	.050	-.115	-.466
280	2250	-.110	.114	.378	-.670
280	2251	.002	.051	.315	-.137
280	2252	-.092	.034	.096	-.214
280	2253	-.281	.047	-.127	-.508
280	2254	.277	.117	.920	-.001
280	2255	-.041	.116	.469	-.491
280	2256	.015	.113	.420	-.361
280	2257	.073	.068	.345	-.106
280	2258	.028	.055	.299	-.115
280	2259	-.073	.038	.137	-.185
280	2260	-.205	.036	-.060	-.338
280	2261	-.261	.043	-.125	-.411
280	2301	-.330	.074	-.083	-.618
280	2302	-.333	.082	-.029	-.641
280	2303	-.360	.090	-.051	-.800
280	2304	-.381	.100	-.062	-.881
280	2305	-.366	.088	-.073	-.743
280	2306	-.361	.089	-.074	-.844
280	2307	-.363	.088	-.095	-.898
280	2308	-.393	.086	-.152	-.965

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
280	2309	-.413	.095	-.106	-1.031
280	2310	-.398	.096	-.128	-.799
280	2311	-.389	.085	-.165	-.795
280	2312	-.382	.078	-.121	-.705
280	2313	-.375	.077	-.091	-.653
280	2314	-.389	.077	-.148	-.710
280	2315	-.388	.075	-.158	-.691
280	2316	-.384	.073	-.149	-.679
280	2317	-.412	.073	-.164	-.723
280	2318	-.423	.077	-.175	-.727
280	2319	-.333	.058	-.124	-.603
280	2320	-.337	.062	-.116	-.571
280	2321	-.350	.059	-.161	-.554
280	2322	-.352	.059	-.161	-.549
280	2323	-.347	.060	-.151	-.567
280	2324	-.356	.058	-.153	-.554
280	2325	-.379	.060	-.089	-.584
280	2326	-.409	.058	-.217	-.599
280	2327	-.431	.061	-.244	-.631
280	2328	-.318	.055	-.109	-.550
280	2329	-.320	.054	-.062	-.552
280	2330	-.334	.053	-.072	-.608
280	2331	-.335	.053	-.098	-.556
280	2332	-.326	.056	-.074	-.554
280	2333	-.320	.054	-.124	-.525
280	2334	-.355	.062	.034	-.582
280	2335	-.384	.061	-.098	-.637
280	2336	-.401	.062	-.171	-.678
280	2337	-.306	.056	-.095	-.489
280	2338	-.305	.054	-.067	-.478
280	2339	-.323	.056	-.116	-.568
280	2340	-.328	.054	-.090	-.573
280	2341	-.328	.057	-.088	-.549
280	2342	-.317	.057	-.119	-.548
280	2343	-.352	.063	-.152	-.586
280	2344	-.382	.063	-.157	-.644
280	2345	-.404	.066	-.169	-.647
280	2346	-.328	.060	-.099	-.572
280	2347	-.316	.056	-.161	-.537
280	2348	-.346	.059	-.095	-.578
280	2349	-.351	.061	-.179	-.587
280	2350	-.345	.062	-.124	-.567
280	2351	-.342	.064	-.105	-.628
280	2352	-.370	.069	-.079	-.683
280	2353	-.383	.069	-.129	-.728
280	2354	-.411	.068	-.154	-.725
280	2355	-.362	.066	-.134	-.754
280	2356	-.367	.065	-.130	-.764
280	2357	-.375	.068	-.153	-.695
280	2358	-.373	.066	-.134	-.624

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
280	2359	-.368	.067	-.152	-.639
280	2360	-.372	.068	-.159	-.647
280	2361	-.396	.071	-.119	-.726
280	2362	-.403	.068	-.213	-.708
280	2363	-.410	.071	-.212	-.761
280	2364	-.361	.067	-.172	-.616
280	2365	-.367	.065	-.154	-.626
280	2366	-.361	.066	-.184	-.638
280	2367	-.393	.069	-.169	-.690
280	2368	-.395	.070	-.146	-.734
280	2369	-.344	.064	-.112	-.611
280	2370	-.345	.062	-.116	-.601
280	2371	-.354	.059	-.147	-.630
280	2372	-.359	.059	-.146	-.589
280	2373	-.356	.063	-.148	-.571
280	2374	-.351	.063	-.151	-.567
280	2375	-.372	.063	-.174	-.630
280	2376	-.384	.064	-.173	-.654
280	2377	-.393	.069	-.169	-.726
280	2401	-.477	.125	-.114	-1.096
280	2402	-.473	.121	-.132	-1.134
280	2403	-.446	.102	-.124	-1.325
280	2404	-.416	.078	-.134	-.832
280	2405	-.399	.071	-.147	-.675
280	2406	-.382	.069	-.134	-.633
280	2407	-.373	.064	-.153	-.661
280	2408	-.457	.096	-.184	-1.134
280	2409	-.440	.084	-.208	-.933
280	2410	-.406	.066	-.186	-.714
280	2411	-.385	.061	-.187	-.644
280	2412	-.378	.058	-.158	-.654
280	2413	-.370	.058	-.151	-.668
280	2414	-.360	.062	-.158	-.594
280	2415	-.458	.078	-.269	-.842
280	2416	-.445	.071	-.232	-.703
280	2417	-.409	.058	-.234	-.652
280	2418	-.385	.055	-.228	-.639
280	2419	-.370	.057	-.190	-.687
280	2420	-.361	.059	-.171	-.594
280	2421	-.361	.058	-.167	-.593
280	2422	-.461	.081	-.215	-.871
280	2423	-.446	.078	-.221	-.839
280	2424	-.400	.058	-.234	-.645
280	2425	-.387	.054	-.220	-.646
280	2426	-.368	.055	-.196	-.666
280	2427	-.357	.056	-.166	-.695
280	2428	-.355	.056	-.174	-.689
280	2429	-.468	.095	-.214	-.938
280	2430	-.445	.086	-.225	-.846
280	2431	-.400	.062	-.231	-.622

APPENDIX A -- PRESSURE DATA ;   CONFIGURATION A : GATEWAY PROJECT TOWERS

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
280	2432	-.377	.059	-.192	-.630
280	2433	-.365	.058	-.148	-.620
280	2434	-.353	.057	-.146	-.586
280	2435	-.352	.059	-.131	-.597
280	2436	-.451	.083	-.188	-.886
280	2437	-.436	.077	-.240	-.820
280	2438	-.400	.059	-.242	-.683
280	2439	-.383	.058	-.222	-.615
280	2440	-.377	.060	-.201	-.597
280	2441	-.359	.059	-.190	-.599
280	2442	-.359	.066	-.173	-.624
280	2443	-.430	.085	-.216	-.947
280	2444	-.425	.083	-.220	-.946
280	2445	-.404	.073	-.218	-.813
280	2446	-.390	.070	-.209	-.658
280	2447	-.378	.067	-.199	-.668
280	2448	-.371	.067	-.172	-.677
280	2449	-.367	.066	-.171	-.674
280	2450	-.393	.077	-.178	-.849
280	2451	-.403	.071	-.218	-.803
280	2452	-.390	.076	-.172	-.718
280	2453	-.380	.074	-.150	-.669
280	2454	-.374	.073	-.160	-.721
280	2455	-.395	.072	-.216	-.810
280	2456	-.392	.070	-.211	-.798
280	2457	-.383	.067	-.185	-.727
280	2458	-.381	.071	-.199	-.864
280	2459	-.370	.075	-.155	-.928
280	2460	-.370	.076	-.177	-.780
280	2461	-.360	.078	-.115	-.699
280	2901	-.477	.082	-.256	-.837
280	2902	-.470	.087	-.247	-.845
280	2903	-.444	.110	-.113	-.890
280	2904	-.455	.076	-.225	-.797
280	2905	-.469	.103	-.046	-.929
280	2906	-.415	.121	.156	-.916
280	2907	-.461	.087	-.071	-.796
280	2908	-.451	.109	.037	-.941
280	2909	-.448	.124	-.024	-1.073
280	2910	.234	.095	.678	.023
280	2911	.261	.106	.903	.026
290	1101	-.558	.105	-.258	-.896
290	1102	-.291	.051	-.101	-.471
290	1103	-.078	.048	.170	-.240
290	1104	-.066	.055	.138	-.520
290	1105	-.038	.206	.488	-1.235
290	1106	-.229	.328	.630	-1.488
290	1107	-.509	.108	-.177	-.893
290	1108	-.326	.069	-.094	-.552
290	1109	-.063	.033	.163	-.270

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
290	1110	.007	.080	.245	-.558
290	1111	-.082	.303	.653	-1.157
290	1112	-.234	.327	.710	-1.230
290	1113	-.379	.075	-.155	-.713
290	1114	-.260	.056	-.063	-.466
290	1115	-.067	.059	.164	-.482
290	1116	.001	.114	.334	-1.002
290	1117	-.118	.312	.611	-1.097
290	1118	-.175	.309	.732	-1.156
290	1119	-.404	.095	-.129	-.832
290	1120	-.274	.062	-.026	-.550
290	1121	-.065	.038	.188	-.465
290	1122	-.002	.127	.320	-1.044
290	1123	-.135	.309	.577	-1.378
290	1124	-.199	.298	.838	-1.299
290	1125	-.418	.103	-.115	-.859
290	1126	-.277	.068	-.037	-.552
290	1127	-.079	.068	.131	-.564
290	1128	-.028	.132	.274	-1.206
290	1129	-.150	.294	.527	-1.286
290	1130	-.198	.280	.664	-1.082
290	1131	-.407	.107	-.077	-.825
290	1132	-.272	.072	-.000	-.563
290	1133	-.078	.059	.132	-.498
290	1134	-.028	.112	.211	-.979
290	1135	-.156	.243	.572	-1.169
290	1136	-.179	.252	.532	-1.427
290	1137	-.305	.093	-.029	-.894
290	1138	-.185	.059	.001	-.414
290	1139	-.050	.053	.232	-.455
290	1140	-.024	.094	.336	-.790
290	1141	-.109	.194	.391	-1.259
290	1142	-.154	.215	.581	-1.140
290	1143	-.202	.080	.029	-.496
290	1144	-.022	.036	.286	-.288
290	1145	-.016	.096	.375	-.615
290	1146	-.120	.169	.400	-1.041
290	1147	-.182	.087	.114	-.568
290	1148	-.071	.058	.146	-.249
290	1149	.002	.053	.201	-.432
290	1150	.061	.078	.427	-.193
290	1151	-.010	.052	.250	-.166
290	1152	.006	.053	.234	-.224
290	1153	.025	.079	.331	-.348
290	1154	-.020	.141	.373	-1.023
290	1155	-.054	.158	.359	-.997
290	1201	.234	.141	.659	-.227
290	1202	.127	.099	.431	-.185
290	1203	-.029	.073	.192	-.275
290	1204	-.040	.065	.179	-.274

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
290	1205	-.046	.060	.162	-.273
290	1206	-.097	.046	.067	-.252
290	1207	-.178	.039	-.049	-.320
290	1208	.522	.174	1.084	-.185
290	1209	.382	.156	.881	-.242
290	1210	.214	.105	.617	-.097
290	1211	.112	.081	.446	-.119
290	1212	.039	.065	.356	-.155
290	1213	-.127	.043	.052	-.253
290	1214	-.241	.047	-.101	-.426
290	1215	.464	.177	1.049	-.675
290	1216	.396	.158	.897	-.337
290	1217	.247	.110	.646	-.058
290	1218	.131	.082	.455	-.098
290	1219	.012	.059	.288	-.158
290	1220	-.149	.040	.023	-.278
290	1221	-.243	.042	-.086	-.424
290	1222	.411	.168	.884	-.508
290	1223	.360	.143	.834	-.582
290	1224	.241	.109	.613	-.014
290	1225	.134	.080	.416	-.063
290	1226	.029	.058	.273	-.128
290	1227	-.106	.037	.078	-.248
290	1228	-.220	.047	-.058	-.408
290	1229	.393	.157	.916	-.469
290	1230	.349	.138	.781	-.264
290	1231	.226	.098	.573	-.039
290	1232	.114	.075	.454	-.061
290	1233	.016	.054	.260	-.126
290	1234	-.129	.041	.019	-.289
290	1235	-.197	.044	-.042	-.367
290	1236	.295	.146	.813	-.507
290	1237	.269	.120	.701	-.349
290	1238	.169	.085	.506	-.068
290	1239	.088	.065	.427	-.080
290	1240	.000	.054	.293	-.153
290	1241	-.135	.046	.048	-.319
290	1242	-.219	.053	-.071	-.527
290	1243	.204	.126	.673	-.390
290	1244	.185	.096	.642	-.455
290	1245	.147	.077	.471	-.053
290	1246	.087	.063	.339	-.102
290	1247	.004	.051	.220	-.165
290	1248	-.129	.050	.092	-.344
290	1249	-.224	.060	-.053	-.469
290	1250	.138	.099	.609	-.362
290	1251	.114	.073	.507	-.058
290	1252	.007	.049	.232	-.155
290	1253	-.228	.062	-.026	-.545
290	1254	.090	.073	.406	-.117

APPENDIX A -- PRESSURE DATA ;   CONFIGURATION A : GATEWAY PROJECT TOWERS

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
290	1255	.127	.083	.546	-.087
290	1256	.155	.092	.619	-.047
290	1257	.122	.081	.588	-.050
290	1258	.033	.061	.420	-.126
290	1259	-.130	.048	.061	-.349
290	1260	-.236	.067	-.070	-.552
290	1301	-.278	.050	-.119	-.471
290	1302	-.285	.053	-.124	-.507
290	1303	-.307	.056	-.128	-.545
290	1304	-.312	.057	-.132	-.540
290	1305	-.319	.059	-.143	-.562
290	1306	-.328	.063	-.146	-.587
290	1307	-.322	.062	-.121	-.559
290	1308	-.314	.061	-.124	-.540
290	1309	-.307	.064	-.050	-.646
290	1310	-.290	.052	-.153	-.530
290	1311	-.289	.050	-.157	-.523
290	1312	-.305	.056	-.156	-.581
290	1313	-.302	.056	-.133	-.542
290	1314	-.318	.058	-.146	-.535
290	1315	-.325	.060	-.151	-.663
290	1316	-.330	.063	-.160	-.590
290	1317	-.308	.066	-.084	-.652
290	1318	-.312	.082	-.029	-.721
290	1319	-.283	.054	-.132	-.545
290	1320	-.276	.053	-.133	-.530
290	1321	-.289	.060	-.131	-.643
290	1322	-.283	.060	-.112	-.702
290	1323	-.299	.061	-.139	-.630
290	1324	-.300	.068	-.138	-.924
290	1325	-.303	.069	-.122	-.826
290	1326	-.301	.090	-.069	-1.009
290	1327	-.318	.109	-.006	-.993
290	1328	-.262	.052	-.131	-.481
290	1329	-.271	.052	-.133	-.498
290	1330	-.286	.060	-.126	-.636
290	1331	-.269	.056	-.108	-.564
290	1332	-.276	.055	-.124	-.579
290	1333	-.281	.061	-.110	-.681
290	1334	-.284	.065	-.096	-.682
290	1335	-.274	.083	-.016	-.748
290	1336	-.279	.102	.018	-1.044
290	1337	-.272	.056	-.106	-.592
290	1338	-.276	.057	-.108	-.584
290	1339	-.294	.066	-.122	-.677
290	1340	-.273	.061	-.111	-.586
290	1341	-.292	.062	-.120	-.612
290	1342	-.304	.071	-.135	-.741
290	1343	-.289	.069	-.109	-.799
290	1344	-.267	.094	.019	-.874
290	1345	-.287	.124	.066	-1.308
290	1346	-.293	.069	-.126	-.694
290	1347	-.297	.070	-.112	-.656
290	1348	-.315	.082	-.073	-.857
290	1349	-.299	.076	-.067	-.792
290	1350	-.306	.070	-.009	-.678
290	1351	-.322	.085	-.041	-.841
290	1352	-.311	.081	.063	-.757
290	1353	-.266	.112	.124	-.816
290	1354	-.288	.157	.201	-1.137
290	1355	-.348	.100	-.152	-1.015
290	1356	-.351	.101	-.125	-1.139
290	1357	-.342	.104	-.051	-.974
290	1358	-.326	.105	-.016	-.933
290	1359	-.311	.094	.102	-.686
290	1360	-.325	.113	.203	-.920
290	1361	-.299	.129	.237	-.792
290	1362	-.196	.118	.131	-.732
290	1363	-.201	.152	.214	-1.282
290	1364	-.368	.104	-.134	-.981
290	1365	-.334	.110	-.014	-.980
290	1366	-.315	.145	.289	-1.128
290	1367	-.234	.135	.294	-.827
290	1368	-.102	.086	.168	-.638
290	1369	-.363	.122	-.093	-1.098
290	1370	-.364	.120	-.120	-1.031
290	1371	-.309	.111	.027	-1.113
290	1372	-.302	.112	.065	-.830
290	1373	-.240	.107	.153	-.639
290	1374	-.199	.188	.662	-1.135
290	1375	-.122	.141	.400	-.745
290	1376	-.069	.065	.199	-.341
290	1377	-.062	.056	.171	-.390
290	1401	-.353	.075	-.117	-.688
290	1402	-.367	.082	-.136	-.763
290	1403	-.438	.109	-.127	-.872
290	1404	-.543	.161	-.106	-1.205
290	1405	-.534	.168	-.142	-1.526
290	1406	-.567	.123	-.226	-1.014
290	1407	-.655	.152	-.279	-1.373
290	1408	-.294	.077	-.068	-.912
290	1409	-.276	.080	-.056	-.823
290	1410	-.287	.091	-.000	-.824
290	1411	-.381	.107	-.111	-.929
290	1412	-.525	.124	-.154	-.996
290	1413	-.559	.131	-.127	-1.132
290	1414	-.625	.167	-.144	-1.357
290	1415	-.271	.091	.045	-.802
290	1416	-.294	.103	.076	-.827
290	1417	-.374	.121	.014	-.830
290	1418	-.495	.123	.007	-1.038
290	1419	-.525	.109	-.178	-1.087
290	1420	-.481	.098	-.173	-.827
290	1421	-.486	.099	-.173	-.913
290	1422	-.272	.101	.089	-.871
290	1423	-.278	.107	.084	-.902
290	1424	-.365	.132	.031	-.951
290	1425	-.467	.131	.031	-1.157
290	1426	-.513	.116	-.173	-1.044
290	1427	-.501	.106	-.219	-1.042
290	1428	-.516	.108	-.245	-.958
290	1429	-.247	.080	.029	-.694
290	1430	-.242	.085	-.000	-.781
290	1431	-.294	.128	.070	-.827
290	1432	-.420	.147	.013	-1.047
290	1433	-.547	.140	-.159	-1.215
290	1434	-.556	.126	-.255	-1.020
290	1435	-.555	.124	-.249	-1.008
290	1436	-.202	.089	.174	-.618
290	1437	-.179	.074	.153	-.660
290	1438	-.167	.082	.106	-.823
290	1439	-.308	.141	.057	-1.068
290	1440	-.499	.184	.017	-1.282
290	1441	-.614	.168	-.195	-1.373
290	1442	-.615	.166	-.206	-1.370
290	1443	-.134	.080	.111	-.427
290	1444	-.124	.062	.103	-.369
290	1445	-.115	.045	.079	-.302
290	1446	-.132	.065	.121	-.606
290	1447	-.258	.140	.031	-.889
290	1448	-.522	.171	-.085	-1.409
290	1449	-.531	.170	-.110	-1.395
290	1450	-.089	.064	.128	-.385
290	1451	-.087	.039	.059	-.255
290	1452	-.160	.091	.046	-.859
290	1453	-.470	.174	-.097	-1.370
290	1454	-.065	.039	.078	-.224
290	1455	-.076	.039	.054	-.237
290	1456	-.066	.035	.055	-.192
290	1457	-.046	.042	.160	-.214
290	1458	-.113	.089	.149	-.684
290	1459	-.355	.161	.059	-1.003
290	1460	-.367	.153	.060	-1.066
290	1461	-.017	.050	.221	-.399
290	1901	.077	.113	.480	-.407
290	1902	.010	.089	.290	-.403
290	1903	.035	.090	.345	-.363
290	1904	-.283	.106	.269	-.868
290	1905	-.138	.133	.220	-.755
290	1906	.126	.141	.667	-.375

APPENDIX A -- PRESSURE DATA ;   CONFIGURATION A ; GATEWAY PROJECT TOWERS

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
290	1907	-.493	.221	.131	-1.194
290	1908	-.382	.105	-.096	-.875
290	1909	-.085	.090	.196	-.473
290	1910	-.017	.048	.219	-.186
290	1911	.003	.055	.355	-.140
290	2101	.329	.150	.839	-.223
290	2102	.334	.156	.827	-.185
290	2103	.356	.149	.854	-.157
290	2104	.206	.141	.808	-.150
290	2105	.184	.125	.658	-.211
290	2106	.049	.118	.496	-.338
290	2107	.295	.147	.777	-.193
290	2108	.440	.161	.979	-.035
290	2109	.502	.166	1.048	-.030
290	2110	.453	.152	.996	.005
290	2111	.243	.134	.742	-.163
290	2112	.024	.131	.517	-.386
290	2113	.252	.135	.768	-.105
290	2114	.388	.149	.867	-.036
290	2115	.488	.160	.994	.076
290	2116	.434	.151	.951	.040
290	2117	.188	.127	.743	-.180
290	2118	-.025	.131	.518	-.480
290	2119	.185	.122	.702	-.218
290	2120	.324	.134	.881	-.071
290	2121	.433	.154	.982	.075
290	2122	.379	.139	.896	.042
290	2123	.156	.119	.624	-.147
290	2124	-.040	.124	.431	-.426
290	2125	.179	.127	.708	-.187
290	2126	.295	.136	.879	-.060
290	2127	.394	.144	.987	.047
290	2128	.357	.134	.865	-.001
290	2129	.147	.105	.581	-.213
290	2130	-.016	.103	.437	-.432
290	2131	.117	.107	.585	-.163
290	2132	.227	.117	.784	-.040
290	2133	.328	.122	.820	.047
290	2134	.304	.114	.768	-.031
290	2135	.144	.103	.576	-.227
290	2136	.031	.104	.449	-.352
290	2137	.039	.104	.558	-.284
290	2138	.148	.109	.639	-.186
290	2139	.259	.112	.733	-.039
290	2140	.255	.106	.680	-.051
290	2141	.132	.104	.572	-.241
290	2142	.021	.104	.556	-.422
290	2143	.003	.082	.361	-.228
290	2144	.234	.108	.750	-.013
290	2145	.246	.100	.684	.002

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
290	2146	.065	.089	.454	-.167
290	2147	.268	.100	.655	.036
290	2148	.206	.093	.537	-.051
290	2149	.103	.085	.480	-.159
290	2150	.050	.087	.566	-.162
290	2151	.165	.103	.759	-.074
290	2152	.319	.126	.960	.049
290	2153	.317	.123	.872	.040
290	2154	.327	.131	.905	.060
290	2155	.287	.116	.849	.026
290	2201	-.529	.155	.094	-1.240
290	2202	-.315	.172	.129	-.866
290	2203	-.184	.063	.078	-.426
290	2204	-.198	.060	.051	-.447
290	2205	-.205	.059	.082	-.448
290	2206	-.218	.057	.037	-.424
290	2207	-.273	.062	-.041	-.493
290	2208	-.536	.210	.156	-1.682
290	2209	-.343	.198	.379	-.993
290	2210	-.076	.076	.214	-.472
290	2211	-.115	.057	.099	-.350
290	2212	-.169	.050	.025	-.337
290	2213	-.271	.051	-.084	-.459
290	2214	-.323	.060	-.096	-.556
290	2215	-.536	.186	.098	-1.287
290	2216	-.476	.229	.372	-1.232
290	2217	-.104	.068	.193	-.420
290	2218	-.158	.049	.035	-.351
290	2219	-.228	.042	-.066	-.362
290	2220	-.289	.047	-.136	-.453
290	2221	-.340	.059	-.138	-.548
290	2222	-.512	.188	.081	-1.326
290	2223	-.436	.221	.144	-1.188
290	2224	-.109	.063	.114	-.460
290	2225	-.163	.042	.020	-.305
290	2226	-.213	.037	-.071	-.353
290	2227	-.280	.042	-.143	-.454
290	2228	-.310	.050	-.047	-.514
290	2229	-.497	.193	.064	-1.581
290	2230	-.349	.227	.205	-1.185
290	2231	-.114	.059	.078	-.463
290	2232	-.152	.042	.012	-.313
290	2233	-.196	.035	-.053	-.305
290	2234	-.262	.039	-.122	-.417
290	2235	-.295	.048	-.116	-.486
290	2236	-.388	.185	.290	-1.304
290	2237	-.255	.198	.309	-1.002
290	2238	-.089	.059	.256	-.364
290	2239	-.130	.043	.155	-.296
290	2240	-.166	.034	-.019	-.306

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
290	2241	-.256	.039	-.121	-.415
290	2242	-.292	.048	-.106	-.490
290	2243	-.257	.164	.353	-.863
290	2244	-.140	.143	.332	-.830
290	2245	-.057	.053	.210	-.322
290	2246	-.090	.041	.121	-.249
290	2247	-.140	.036	.040	-.314
290	2248	-.248	.047	-.073	-.435
290	2249	-.294	.054	-.123	-.522
290	2250	-.167	.147	.269	-.770
290	2251	-.016	.055	.234	-.269
290	2252	-.123	.034	.021	-.259
290	2253	-.288	.052	-.138	-.526
290	2254	.251	.115	.836	-.047
290	2255	-.103	.110	.367	-.705
290	2256	-.045	.123	.388	-.496
290	2257	.032	.063	.346	-.223
290	2258	-.011	.047	.276	-.146
290	2259	-.113	.034	.085	-.231
290	2260	-.237	.040	-.103	-.376
290	2261	-.288	.049	-.128	-.461
290	2301	-.330	.075	-.090	-.616
290	2302	-.332	.085	-.038	-.687
290	2303	-.357	.091	-.000	-.827
290	2304	-.378	.102	-.019	-.954
290	2305	-.357	.086	-.053	-.808
290	2306	-.357	.087	-.008	-.811
290	2307	-.368	.085	-.098	-.795
290	2308	-.410	.092	-.058	-.837
290	2309	-.423	.102	-.064	-.874
290	2310	-.389	.092	-.066	-.752
290	2311	-.386	.090	-.098	-.846
290	2312	-.391	.082	-.098	-.701
290	2313	-.379	.081	-.145	-.757
290	2314	-.391	.082	-.115	-.794
290	2315	-.390	.078	-.145	-.761
290	2316	-.390	.077	-.173	-.830
290	2317	-.416	.081	-.155	-.896
290	2318	-.421	.087	-.117	-.942
290	2319	-.331	.059	-.138	-.597
290	2320	-.326	.057	-.110	-.559
290	2321	-.345	.052	-.186	-.536
290	2322	-.348	.052	-.201	-.558
290	2323	-.345	.054	-.168	-.542
290	2324	-.346	.060	-.145	-.577
290	2325	-.377	.062	-.181	-.619
290	2326	-.404	.064	-.212	-.633
290	2327	-.423	.071	-.224	-.682
290	2328	-.304	.053	-.127	-.499
290	2329	-.305	.053	-.128	-.491

APPENDIX A -- PRESSURE DATA ; CONFIGURATION A ; GATEWAY PROJECT TOWERS

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
290	2330	-.323	.050	-.087	-.501
290	2331	-.338	.049	-.159	-.525
290	2332	-.330	.053	-.112	-.526
290	2333	-.314	.058	-.086	-.525
290	2334	-.366	.059	-.160	-.569
290	2335	-.395	.064	-.150	-.631
290	2336	-.414	.067	-.220	-.660
290	2337	-.298	.057	-.067	-.525
290	2338	-.297	.055	-.080	-.528
290	2339	-.322	.055	-.106	-.573
290	2340	-.328	.054	-.160	-.585
290	2341	-.318	.055	-.107	-.593
290	2342	-.313	.059	-.113	-.621
290	2343	-.354	.063	-.137	-.597
290	2344	-.386	.066	-.135	-.644
290	2345	-.411	.074	-.185	-.728
290	2346	-.312	.061	-.046	-.612
290	2347	-.313	.057	-.131	-.555
290	2348	-.339	.062	-.115	-.591
290	2349	-.350	.066	-.067	-.645
290	2350	-.342	.068	-.078	-.641
290	2351	-.337	.070	-.088	-.682
290	2352	-.384	.083	-.156	-.850
290	2353	-.399	.076	-.214	-.757
290	2354	-.427	.079	-.190	-.744
290	2355	-.345	.070	-.119	-.722
290	2356	-.348	.069	-.124	-.691
290	2357	-.365	.071	-.183	-.671
290	2358	-.368	.070	-.151	-.724
290	2359	-.361	.070	-.144	-.686
290	2360	-.362	.073	-.165	-.696
290	2361	-.382	.082	-.129	-.756
290	2362	-.393	.077	-.183	-.685
290	2363	-.399	.082	-.197	-.773
290	2364	-.358	.072	-.084	-.714
290	2365	-.368	.069	-.183	-.685
290	2366	-.367	.068	-.178	-.674
290	2367	-.381	.077	-.171	-.734
290	2368	-.400	.087	-.160	-.877
290	2369	-.349	.071	-.077	-.636
290	2370	-.354	.069	-.107	-.641
290	2371	-.361	.069	-.132	-.662
290	2372	-.362	.068	-.128	-.657
290	2373	-.357	.067	-.169	-.638
290	2374	-.360	.067	-.159	-.638
290	2375	-.379	.074	-.188	-.733
290	2376	-.384	.077	-.192	-.737
290	2377	-.387	.078	-.176	-.834
290	2401	-.467	.135	.001	-1.096
290	2402	-.459	.126	.010	-1.055

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
290	2403	-.455	.110	-.060	-.992
290	2404	-.434	.086	- 119	-.837
290	2405	-.417	.075	-.157	-.715
290	2406	-.396	.069	-.151	-.655
290	2407	-.370	.066	-.108	-.649
290	2408	-.457	.118	-.098	-1.115
290	2409	-.448	.102	-.100	-.967
290	2410	-.413	.079	-.081	-.818
290	2411	-.390	.072	-.112	-.757
290	2412	-.379	.068	-.143	-.683
290	2413	-.379	.067	-.139	-.636
290	2414	-.378	.071	-.135	-.644
290	2415	-.458	.091	-.206	-.884
290	2416	-.453	.085	-.215	-.813
290	2417	-.418	.070	-.188	-.799
290	2418	-.394	.070	-.171	-.874
290	2419	-.377	.069	-.148	-.680
290	2420	-.365	.067	-.137	-.648
290	2421	-.372	.062	-.165	-.655
290	2422	-.481	.098	-.243	-1.097
290	2423	-.471	.093	-.239	-.964
290	2424	-.427	.070	-.212	-.716
290	2425	-.391	.070	-.208	-.848
290	2426	-.370	.069	-.166	-.821
290	2427	-.357	.067	-.144	-.705
290	2428	-.356	.068	-.146	-.691
290	2429	-.494	.110	-.202	-1.114
290	2430	-.478	.098	-.213	-1.114
290	2431	-.435	.076	-.233	-.829
290	2432	-.400	.073	-.189	-.683
290	2433	-.379	.072	-.169	-.800
290	2434	-.366	.068	-.167	-.693
290	2435	-.365	.070	-.156	-.688
290	2436	-.476	.118	-.207	-1.261
290	2437	-.468	.100	-.236	-.920
290	2438	-.429	.077	-.246	-.784
290	2439	-.405	.074	-.204	-.829
290	2440	-.375	.070	-.180	-.684
290	2441	-.377	.070	-.173	-.663
290	2442	-.366	.070	-.145	-.701
290	2443	-.433	.099	-.191	-.992
290	2444	-.431	.097	-.170	-.915
290	2445	-.413	.085	-.186	-.834
290	2446	-.408	.099	-.166	-1.584
290	2447	-.396	.091	-.160	-1.428
290	2448	-.390	.086	-.165	-1.282
290	2449	-.385	.086	-.161	-1.264
290	2450	-.414	.107	-.132	-1.057
290	2451	-.421	.097	-.201	-1.270
290	2452	-.405	.097	-.179	-1.025

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
290	2453	-.395	.094	-.170	-.917
290	2454	-.401	.092	-.147	-.896
290	2455	-.415	.103	-.189	-1.327
290	2456	- 411	.096	-.161	-.954
290	2457	-.401	.091	-.182	-1.072
290	2458	-.396	.095	-.164	-1.042
290	2459	-.389	.096	-.158	-.849
290	2460	-.377	.091	-.152	-1.154
290	2461	-.378	.097	-.108	-.769
290	2901	-.505	.084	-.258	-1.022
290	2902	-.498	.089	-.208	-1.160
290	2903	-.483	.118	.127	-1.070
290	2904	-.476	.079	-.194	-.823
290	2905	-.488	.109	-.138	-1.099
290	2906	-.397	.126	.265	-.883
290	2907	-.476	.093	-.143	-.904
290	2908	-.462	.122	-.022	-1.164
290	2909	-.457	.142	.032	-1.268
290	2910	.224	.089	.637	-.006
290	2911	.255	.102	.758	.059
300	1101	-.626	.123	-.271	-1.032
300	1102	-.302	.060	-.068	-.517
300	1103	-.046	.060	.163	-.258
300	1104	.002	.072	.246	-.214
300	1105	.168	.116	.541	-.304
300	1106	.274	.203	.850	-.675
300	1107	-.584	.121	-.246	-.965
300	1108	-.339	.076	-.096	-.623
300	1109	-.001	.070	.230	-.207
300	1110	.116	.091	.433	-.134
300	1111	.316	.166	.835	-.715
300	1112	.344	.245	.911	-.808
300	1113	-.434	.076	-.207	-.733
300	1114	-.269	.059	-.024	-.461
300	1115	.005	.071	.301	-.200
300	1116	.141	.093	.505	-.192
300	1117	.294	.164	.764	-.842
300	1118	.329	.233	.930	-.704
300	1119	-.464	.099	-.183	-.993
300	1120	-.279	.066	-.058	-.547
300	1121	.001	.067	.234	-.185
300	1122	.128	.094	.399	-.172
300	1123	.251	.179	.721	-.646
300	1124	.250	.266	.909	-.818
300	1125	-.447	.108	-.173	-.989
300	1126	-.273	.071	-.043	-.588
300	1127	-.020	.065	.251	-.195
300	1128	.097	.089	.456	-.278
300	1129	.194	.182	.884	-1.124
300	1130	.204	.241	.977	-1.017

APPENDIX A -- PRESSURE DATA ;   CONFIGURATION A : GATEWAY PROJECT TOWERS

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
300	1131	-.417	.116	-.087	-.935
300	1132	-.254	.076	.034	-.549
300	1133	-.024	.063	.221	-.234
300	1134	.068	.080	.409	-.299
300	1135	.122	.185	.665	-.793
300	1136	.118	.224	.791	-1.011
300	1137	-.282	.089	-.016	-.719
300	1138	-.170	.067	.072	-.415
300	1139	.006	.057	.267	-.202
300	1140	.065	.074	.378	-.434
300	1141	.096	.139	.551	-.707
300	1142	.081	.169	.610	-.811
300	1143	-.184	.080	.054	-.327
300	1144	.010	.057	.310	-.144
300	1145	.054	.069	.379	-.234
300	1146	.037	.137	.501	-.838
300	1147	-.162	.079	.194	-.566
300	1148	-.058	.057	.187	-.261
300	1149	.032	.055	.269	-.116
300	1150	.106	.084	.486	-.142
300	1151	.024	.071	.439	-.145
300	1152	.050	.066	.323	-.109
300	1153	.084	.076	.486	-.158
300	1154	.087	.092	.512	-.461
300	1155	.054	.110	.468	-.571
300	1201	.035	.160	.562	-.860
300	1202	-.004	.088	.278	-.506
300	1203	-.083	.062	.160	-.297
300	1204	-.068	.055	.154	-.275
300	1205	-.062	.051	.135	-.291
300	1206	-.101	.039	.054	-.304
300	1207	-.184	.033	-.065	-.360
300	1208	.220	.296	.847	-.865
300	1209	.168	.167	.671	-.842
300	1210	.085	.085	.396	-.192
300	1211	.018	.062	.245	-.158
300	1212	-.030	.048	.145	-.183
300	1213	-.167	.034	-.044	-.272
300	1214	-.253	.039	-.129	-.380
300	1215	.150	.303	.773	-1.040
300	1216	.203	.198	.727	-1.028
300	1217	.122	.092	.431	-.350
300	1218	.033	.063	.258	-.168
300	1219	-.058	.044	.138	-.238
300	1220	-.189	.036	-.053	-.305
300	1221	-.256	.040	-.142	-.423
300	1222	.121	.289	.796	-.771
300	1223	.150	.203	.624	-.816
300	1224	.096	.086	.400	-.412
300	1225	.024	.058	.234	-.185

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
300	1226	-.054	.042	.137	-.184
300	1227	-.146	.032	.010	-.259
300	1228	-.240	.038	-.119	-.379
300	1229	.131	.269	.814	-.910
300	1230	.139	.201	.726	-1.058
300	1231	.086	.088	.473	-.671
300	1232	.015	.056	.285	-.147
300	1233	-.060	.040	.110	-.192
300	1234	-.167	.034	-.047	-.295
300	1235	-.216	.038	-.087	-.370
300	1236	.141	.223	.740	-.818
300	1237	.140	.148	.573	-.794
300	1238	.077	.072	.383	-.229
300	1239	.016	.053	.239	-.130
300	1240	-.056	.045	.116	-.215
300	1241	-.165	.040	-.021	-.316
300	1242	-.228	.044	-.087	-.402
300	1243	.123	.177	.595	-1.029
300	1244	.145	.126	.549	-.616
300	1245	.071	.060	.327	-.134
300	1246	.020	.048	.250	-.125
300	1247	-.050	.039	.119	-.175
300	1248	-.145	.043	.076	-.330
300	1249	-.232	.051	-.085	-.462
300	1250	.111	.144	.633	-.723
300	1251	.074	.063	.364	-.146
300	1252	-.044	.040	.189	-.161
300	1253	-.232	.053	-.095	-.555
300	1254	.094	.089	.489	-.528
300	1255	.109	.090	.470	-.583
300	1256	.099	.070	.496	-.133
300	1257	.049	.056	.307	-.090
300	1258	-.028	.043	.203	-.131
300	1259	-.157	.039	-.012	-.361
300	1260	-.240	.056	-.093	-.544
300	1301	-.275	.046	-.126	-.443
300	1302	-.278	.048	-.125	-.460
300	1303	-.291	.049	-.130	-.485
300	1304	-.300	.051	-.138	-.513
300	1305	-.306	.053	-.124	-.511
300	1306	-.307	.057	-.118	-.519
300	1307	-.306	.055	-.123	-.506
300	1308	-.294	.053	-.135	-.483
300	1309	-.292	.052	-.134	-.483
300	1310	-.277	.043	-.148	-.436
300	1311	-.276	.043	-.147	-.424
300	1312	-.284	.045	-.143	-.465
300	1313	-.282	.043	-.159	-.438
300	1314	-.299	.049	-.153	-.511
300	1315	-.303	.051	-.154	-.608

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
300	1316	-.305	.052	-.152	-.605
300	1317	-.288	.050	-.139	-.530
300	1318	-.285	.053	-.107	-.489
300	1319	-.272	.044	-.147	-.443
300	1320	-.267	.042	-.143	-.443
300	1321	-.281	.047	-.128	-.610
300	1322	-.268	.045	-.114	-.481
300	1323	-.276	.043	-.156	-.541
300	1324	-.278	.045	-.153	-.540
300	1325	-.278	.047	-.147	-.566
300	1326	-.291	.073	-.193	-.768
300	1327	-.312	.087	-.084	-1.069
300	1328	-.258	.040	-.134	-.445
300	1329	-.261	.041	-.136	-.446
300	1330	-.271	.044	-.136	-.469
300	1331	-.264	.045	-.138	-.450
300	1332	-.271	.045	-.138	-.465
300	1333	-.271	.045	-.137	-.502
300	1334	-.276	.049	-.132	-.506
300	1335	-.275	.068	-.051	-.739
300	1336	-.284	.084	-.036	-.898
300	1337	-.261	.044	-.136	-.466
300	1338	-.263	.044	-.134	-.472
300	1339	-.274	.048	-.159	-.626
300	1340	-.263	.045	-.141	-.586
300	1341	-.276	.046	-.165	-.553
300	1342	-.281	.050	-.164	-.721
300	1343	-.279	.050	-.104	-.701
300	1344	-.267	.071	-.058	-.684
300	1345	-.280	.091	.036	-1.072
300	1346	-.278	.054	-.138	-.546
300	1347	-.275	.058	-.118	-.701
300	1348	-.286	.063	-.119	-.708
300	1349	-.281	.061	-.109	-.684
300	1350	-.292	.060	-.109	-.559
300	1351	-.296	.063	-.132	-.584
300	1352	-.294	.064	-.073	-.613
300	1353	-.277	.093	-.021	-.838
300	1354	-.291	.126	.069	-1.136
300	1355	-.302	.075	-.137	-.673
300	1356	-.303	.073	-.119	-.667
300	1357	-.313	.077	-.126	-.732
300	1358	-.307	.082	-.071	-.789
300	1359	-.309	.070	-.074	-.628
300	1360	-.316	.080	.018	-.825
300	1361	-.314	.082	.116	-.732
300	1362	-.237	.095	.053	-.647
300	1363	-.259	.137	.099	-1.084
300	1364	-.323	.080	-.157	-.839
300	1365	-.318	.082	-.062	-.980

APPENDIX A -- PRESSURE DATA ; CONFIGURATION A : GATEWAY PROJECT TOWERS

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
300	1366	-.340	.103	.004	-.911
300	1367	-.309	.097	.160	-.719
300	1368	-.167	.103	.131	-.759
300	1369	-.330	.083	-.129	-.776
300	1370	-.330	.084	-.125	-.802
300	1371	-.311	.084	.045	-.799
300	1372	-.306	.087	-.046	-.839
300	1373	-.282	.085	.085	-.748
300	1374	-.287	.122	.526	-1.102
300	1375	-.266	.117	.277	-.757
300	1376	-.113	.079	.231	-.485
300	1377	-.107	.093	.195	-.737
300	1401	-.352	.075	-.110	-.692
300	1402	-.360	.078	-.120	-.733
300	1403	-.445	.138	-.110	-.987
300	1404	-.479	.170	-.125	-1.109
300	1405	-.486	.134	-.146	-1.108
300	1406	-.689	.133	-.325	-1.253
300	1407	-.878	.190	-.412	-1.477
300	1408	-.283	.057	-.101	-.607
300	1409	-.257	.053	-.113	-.612
300	1410	-.276	.063	-.081	-.555
300	1411	-.358	.093	-.125	-.703
300	1412	-.652	.153	-.221	-1.274
300	1413	-.814	.164	-.383	-1.443
300	1414	-.940	.214	-.408	-1.680
300	1415	-.285	.083	-.023	-.719
300	1416	-.292	.092	-.011	-.738
300	1417	-.374	.126	.146	-.887
300	1418	-.553	.151	-.034	-1.044
300	1419	-.668	.135	-.235	-1.284
300	1420	-.640	.113	-.317	-1.023
300	1421	-.647	.116	-.322	-1.089
300	1422	-.270	.088	.009	-.745
300	1423	-.297	.111	.155	-.983
300	1424	-.365	.146	.071	-1.000
300	1425	-.522	.162	-.043	-1.421
300	1426	-.634	.135	-.215	-1.262
300	1427	-.623	.122	-.307	-1.485
300	1428	-.623	.133	-.298	-1.356
300	1429	-.255	.073	-.041	-.786
300	1430	-.251	.080	-.032	-.648
300	1431	-.295	.128	.033	-.915
300	1432	-.448	.183	.097	-1.241
300	1433	-.645	.166	-.189	-1.389
300	1434	-.662	.146	-.306	-1.240
300	1435	-.658	.145	-.314	-1.257
300	1436	-.241	.068	.013	-.535
300	1437	-.221	.056	-.007	-.572
300	1438	-.201	.068	.017	-.690

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
300	1439	-.334	.146	.064	-1.144
300	1440	-.566	.195	-.008	-1.515
300	1441	-.716	.184	-.291	-1.705
300	1442	-.713	.184	-.282	-1.689
300	1443	-.198	.075	.112	-.507
300	1444	-.170	.054	.057	-.375
300	1445	-.140	.046	.034	-.452
300	1446	-.151	.079	.069	-.699
300	1447	-.328	.172	.121	-1.039
300	1448	-.586	.181	-.211	-1.450
300	1449	-.584	.181	-.203	-1.442
300	1450	-.142	.073	.110	-.417
300	1451	-.108	.042	.054	-.290
300	1452	-.224	.135	.066	-.945
300	1453	-.556	.185	-.160	-1.420
300	1454	-.104	.050	.042	-.275
300	1455	-.111	.045	.037	-.265
300	1456	-.091	.037	.024	-.226
300	1457	-.066	.047	.106	-.326
300	1458	-.180	.124	.092	-.812
300	1459	-.387	.135	-.039	-1.268
300	1460	-.385	.135	-.062	-1.249
300	1461	-.003	.051	.209	-.146
300	1901	.019	.102	.414	-.559
300	1902	.158	.094	.462	-.164
300	1903	.103	.072	.357	-.205
300	1904	-.407	.110	-.075	-.851
300	1905	.009	.067	.194	-.334
300	1906	.268	.141	.817	-.136
300	1907	-.188	.162	.345	-.930
300	1908	-.252	.084	.043	-.604
300	1909	-.003	.087	.287	-.549
300	1910	.009	.054	.285	-.157
300	1911	.033	.063	.431	-.133
300	2101	.397	.160	1.062	-.104
300	2102	.390	.167	.920	-.057
300	2103	.326	.142	.743	-.111
300	2104	.231	.126	.694	-.122
300	2105	.076	.103	.484	-.230
300	2106	-.098	.095	.276	-.403
300	2107	.383	.159	.954	-.104
300	2108	.528	.171	1.100	.036
300	2109	.495	.163	1.044	.075
300	2110	.411	.142	.981	-.011
300	2111	.122	.114	.610	-.194
300	2112	-.157	.112	.285	-.510
300	2113	.334	.146	.903	-.036
300	2114	.440	.150	.988	.066
300	2115	.469	.146	.948	.083
300	2116	.371	.130	.877	.056

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
300	2117	.055	.106	.529	-.268
300	2118	-.211	.117	.288	-.626
300	2119	.281	.147	.801	-.113
300	2120	.396	.156	.933	-.001
300	2121	.456	.144	.984	.073
300	2122	.361	.127	.834	-.016
300	2123	.064	.103	.509	-.297
300	2124	-.183	.107	.320	-.560
300	2125	.238	.136	.821	-.108
300	2126	.338	.139	.880	-.004
300	2127	.387	.130	.932	.023
300	2128	.311	.112	.785	-.034
300	2129	.054	.096	.522	-.213
300	2130	-.136	.100	.339	-.503
300	2131	.151	.125	.695	-.260
300	2132	.246	.130	.787	-.102
300	2133	.339	.130	.870	.008
300	2134	.286	.114	.737	.025
300	2135	.079	.096	.478	-.179
300	2136	-.059	.098	.327	-.403
300	2137	.071	.112	.536	-.368
300	2138	.173	.111	.672	-.151
300	2139	.256	.106	.708	-.049
300	2140	.228	.095	.572	-.025
300	2141	.068	.084	.491	-.243
300	2142	-.059	.092	.370	-.385
300	2143	-.006	.094	.354	-.332
300	2144	.221	.107	.707	-.016
300	2145	.206	.090	.626	-.001
300	2146	-.006	.078	.349	-.332
300	2147	.225	.090	.645	.021
300	2148	.145	.080	.565	-.104
300	2149	.048	.081	.345	-.322
300	2150	.059	.093	.486	-.235
300	2151	.173	.104	.689	-.113
300	2152	.312	.121	.877	.053
300	2153	.290	.113	.807	.029
300	2154	.301	.123	.913	.021
300	2155	.266	.114	.772	-.007
300	2201	-.751	.179	-.261	-1.537
300	2202	-.534	.159	-.042	-1.121
300	2203	-.282	.065	-.067	-.618
300	2204	-.266	.057	-.070	-.486
300	2205	-.248	.058	.024	-.482
300	2206	-.244	.059	-.013	-.476
300	2207	-.284	.071	-.011	-.509
300	2208	-.746	.181	-.093	-1.512
300	2209	-.614	.187	.023	-1.279
300	2210	-.202	.075	-.001	-.573
300	2211	-.197	.046	.022	-.385

APPENDIX A -- PRESSURE DATA ; CONFIGURATION A : GATEWAY PROJECT TOWERS

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
300	2212	-.216	.046	.012	-.379	300	2301	-.331	.088	-.055	-.871	300	2351	-.333	.080	-.089	-.675
300	2213	-.286	.062	-.084	-.507	300	2302	-.331	.098	-.023	-.922	300	2352	-.402	.100	-.154	-.930
300	2214	-.329	.073	-.089	-.591	300	2303	-.354	.105	-.032	-.869	300	2353	-.423	.107	-.081	-1.082
300	2215	-.717	.177	-.117	-1.454	300	2304	-.376	.118	.012	-.861	300	2354	-.446	.119	-.124	-1.065
300	2216	-.727	.205	.046	-1.401	300	2305	-.354	.100	-.011	-.972	300	2355	-.286	.074	-.047	-.719
300	2217	-.226	.094	-.005	-.761	300	2306	-.358	.102	.001	-.942	300	2356	-.294	.073	-.047	-.702
300	2218	-.222	.043	-.069	-.382	300	2307	-.355	.099	-.046	-.747	300	2357	-.336	.081	-.111	-.740
300	2219	-.266	.041	-.150	-.423	300	2308	-.387	.112	.014	-.847	300	2358	-.347	.082	-.107	-.844
300	2220	-.298	.053	-.129	-.492	300	2309	-.401	.123	.083	-.930	300	2359	-.332	.079	-.116	-.804
300	2221	-.332	.064	-.131	-.570	300	2310	-.357	.102	-.077	-.778	300	2360	-.339	.082	-.111	-.743
300	2222	-.688	.181	-.199	-1.416	300	2311	-.360	.096	-.060	-.731	300	2361	-.370	.099	-.083	-.823
300	2223	-.648	.209	.105	-1.405	300	2312	-.377	.093	-.101	-.782	300	2362	-.392	.099	-.083	-.852
300	2224	-.219	.094	.030	-.862	300	2313	-.375	.093	-.082	-.758	300	2363	-.403	.108	-.127	-.906
300	2225	-.215	.041	-.069	-.539	300	2314	-.369	.093	-.065	-.733	300	2364	-.295	.074	-.036	-.660
300	2226	-.243	.037	-.137	-.379	300	2315	-.372	.091	-.059	-.693	300	2365	-.314	.069	-.070	-.646
300	2227	-.285	.047	-.132	-.456	300	2316	-.388	.097	-.044	-.855	300	2366	-.333	.080	-.070	-.709
300	2228	-.305	.060	-.122	-.510	300	2317	-.411	.107	-.034	-.983	300	2367	-.354	.095	-.059	-.971
300	2229	-.638	.206	-.088	-1.611	300	2318	-.420	.117	-.078	-1.000	300	2368	-.378	.100	-.120	-.996
300	2230	-.520	.244	.063	-1.522	300	2319	-.327	.067	-.061	-.596	300	2369	-.298	.074	-.088	-.608
300	2231	-.181	.076	.032	-.851	300	2320	-.331	.065	-.133	-.639	300	2370	-.301	.072	-.102	-.604
300	2232	-.193	.038	-.055	-.331	300	2321	-.353	.063	-.160	-.728	300	2371	-.305	.073	-.062	-.612
300	2233	-.217	.035	-.103	-.344	300	2322	-.357	.065	-.165	-.685	300	2372	-.312	.073	-.029	-.643
300	2234	-.266	.045	-.113	-.421	300	2323	-.353	.065	-.159	-.689	300	2373	-.298	.069	-.066	-.563
300	2235	-.289	.056	-.084	-.529	300	2324	-.340	.074	-.128	-.726	300	2374	-.307	.069	-.083	-.707
300	2236	-.530	.182	.184	-1.351	300	2325	-.380	.084	-.117	-.905	300	2375	-.334	.087	-.087	-.899
300	2237	-.403	.215	.172	-1.219	300	2326	-.409	.095	-.075	-.884	300	2376	-.351	.090	-.100	-.723
300	2238	-.138	.065	.117	-.642	300	2327	-.433	.107	-.093	-.989	300	2377	-.365	.099	-.057	-.809
300	2239	-.154	.039	.005	-.285	300	2328	-.304	.063	-.122	-.565	300	2401	-.457	.166	.147	-1.311
300	2240	-.186	.034	-.074	-.347	300	2329	-.306	.062	-.147	-.572	300	2402	-.453	.155	.132	-1.166
300	2241	-.255	.045	-.119	-.415	300	2330	-.331	.064	-.138	-.798	300	2403	-.473	.150	.144	-1.114
300	2242	-.285	.057	-.113	-.497	300	2331	-.340	.059	-.159	-.549	300	2404	-.463	.126	-.041	-1.101
300	2243	-.375	.179	.213	-1.172	300	2332	-.328	.061	-.087	-.563	300	2405	-.443	.102	-.044	-1.022
300	2244	-.230	.175	.179	-.894	300	2333	-.317	.069	-.004	-.695	300	2406	-.415	.084	-.109	-.959
300	2245	-.086	.051	.122	-.358	300	2334	-.377	.075	-.154	-.689	300	2407	-.391	.079	-.143	-.755
300	2246	-.111	.038	.083	-.319	300	2335	-.401	.084	-.055	-.757	300	2408	-.459	.153	-.069	-1.326
300	2247	-.148	.036	.016	-.352	300	2336	-.425	.093	-.041	-.837	300	2409	-.449	.132	-.048	-1.204
300	2248	-.226	.046	-.071	-.409	300	2337	-.285	.063	-.045	-.570	300	2410	-.433	.118	.054	-1.140
300	2249	-.253	.054	-.065	-.449	300	2338	-.282	.061	-.029	-.536	300	2411	-.433	.119	-.100	-1.137
300	2250	-.260	.139	.202	-.883	300	2339	-.313	.064	-.073	-.643	300	2412	-.407	.098	-.066	-.934
300	2251	-.057	.049	.162	-.268	300	2340	-.326	.064	-.140	-.729	300	2413	-.400	.086	-.149	-.815
300	2252	-.136	.035	-.021	-.290	300	2341	-.321	.069	-.076	-.631	300	2414	-.398	.082	-.100	-.770
300	2253	-.261	.058	-.074	-.492	300	2342	-.317	.074	-.027	-.613	300	2415	-.479	.139	-.136	-1.271
300	2254	.228	.100	.664	-.013	300	2343	-.372	.088	-.133	-.839	300	2416	-.476	.127	-.105	-1.197
300	2255	-.174	.113	.253	-.689	300	2344	-.409	.092	-.152	-.852	300	2417	-.441	.099	-.040	-.835
300	2256	-.111	.136	.361	-.694	300	2345	-.438	.105	-.107	-.865	300	2418	-.421	.098	-.090	-.974
300	2257	.006	.064	.310	-.313	300	2346	-.290	.066	.079	-.560	300	2419	-.404	.094	-.060	-1.100
300	2258	-.029	.044	.193	-.195	300	2347	-.288	.062	-.099	-.562	300	2420	-.388	.083	-.100	-.868
300	2259	-.121	.034	.018	-.250	300	2348	-.336	.075	.101	-.645	300	2421	-.376	.076	-.146	-.701
300	2260	-.219	.044	-.044	-.483	300	2349	-.348	.074	-.142	-.648	300	2422	-.504	.151	-.131	-1.215
300	2261	-.254	.053	-.022	-.589	300	2350	-.337	.074	-.107	-.609	300	2423	-.490	.138	-.122	-1.125

APPENDIX A -- PRESSURE DATA ;   CONFIGURATION A : GATEWAY PROJECT TOWERS

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
300	2424	-.437	.101	-.114	-1.092
300	2425	-.410	.103	-.134	-1.399
300	2426	-.386	.090	-.114	-.980
300	2427	-.368	.082	-.101	-.900
300	2428	-.366	.081	-.098	-.894
300	2429	-.504	.151	-.051	-1.329
300	2430	-.487	.131	-.053	-1.204
300	2431	-.438	.103	-.060	-1.337
300	2432	-.408	.102	-.103	-1.331
300	2433	-.402	.093	-.154	-.954
300	2434	-.385	.083	-.161	-.922
300	2435	-.382	.084	-.153	-.803
300	2436	-.510	.155	-.165	-1.375
300	2437	-.490	.147	-.132	-1.459
300	2438	-.457	.122	-.091	-1.288
300	2439	-.445	.128	-.162	-1.434
300	2440	-.418	.114	-.116	-1.581
300	2441	-.407	.105	-.126	-1.067
300	2442	-.399	.097	-.156	-1.050
300	2443	-.453	.133	-.137	-1.118
300	2444	-.448	.128	-.135	-1.137
300	2445	-.456	.127	-.105	-1.107
300	2446	-.478	.159	-.118	-1.579
300	2447	-.464	.144	-.084	-1.559
300	2448	-.447	.131	-.169	-1.407
300	2449	-.441	.128	-.161	-1.257
300	2450	-.402	.133	.020	-1.295
300	2451	-.441	.129	-.084	-1.185
300	2452	-.462	.152	-.160	-1.528
300	2453	-.441	.135	-.145	-1.222
300	2454	-.442	.141	-.091	-1.362
300	2455	-.379	.127	-.020	-1.635
300	2456	-.371	.116	.072	-1.382
300	2457	-.386	.126	.186	-1.301
300	2458	-.425	.138	.019	-1.468
300	2459	-.438	.156	-.012	-1.982
300	2460	-.416	.143	-.099	-1.448
300	2461	-.419	.154	.013	-1.655
300	2901	-.512	.099	-.217	-.931
300	2902	-.518	.109	-.156	-1.092
300	2903	-.479	.131	.003	-1.022
300	2904	-.485	.081	-.230	-.976
300	2905	-.530	.129	-.090	-1.212
300	2906	-.372	.138	.286	-.947
300	2907	-.515	.104	-.183	-1.224
300	2908	-.483	.147	.064	-1.103
300	2909	-.429	.158	.035	-1.276
300	2910	.198	.090	.598	-.010
300	2911	.225	.098	.682	-.008
310	1101	-.588	.123	-.235	-1.066

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
310	1102	-.253	.063	.072	-.543
310	1103	.009	.072	.302	-.218
310	1104	.098	.089	.440	-.195
310	1105	.338	.137	.794	-.094
310	1106	.422	.175	1.086	-.129
310	1107	-.562	.110	-.203	-.980
310	1108	-.280	.071	.040	-.530
310	1109	.098	.084	.443	-.190
310	1110	.243	.107	.676	-.108
310	1111	.461	.164	1.021	.030
310	1112	.496	.181	1.151	-.146
310	1113	-.404	.077	-.165	-.700
310	1114	-.215	.061	.020	-.463
310	1115	.090	.085	.395	-.129
310	1116	.253	.108	.686	-.014
310	1117	.434	.146	.908	.053
310	1118	.484	.159	1.027	.064
310	1119	-.443	.096	-.160	-.797
310	1120	-.231	.066	.057	-.491
310	1121	.083	.075	.388	-.137
310	1122	.233	.102	.637	-.045
310	1123	.394	.141	.924	-.002
310	1124	.456	.176	1.011	-.293
310	1125	-.397	.105	-.097	-.851
310	1126	-.210	.071	.023	-.495
310	1127	.062	.074	.341	-.133
310	1128	.196	.100	.622	-.054
310	1129	.329	.140	.845	-.105
310	1130	.367	.148	.898	-.211
310	1131	-.348	.094	.011	-.689
310	1132	-.186	.065	.116	-.417
310	1133	.050	.071	.336	-.149
310	1134	.155	.090	.530	-.079
310	1135	.264	.132	.797	-.196
310	1136	.286	.144	.782	-.380
310	1137	-.214	.092	.152	-.561
310	1138	-.106	.070	.164	-.428
310	1139	.060	.067	.391	-.185
310	1140	.120	.085	.593	-.160
310	1141	.179	.116	.730	-.231
310	1142	.191	.122	.717	-.445
310	1143	-.126	.079	.200	-.421
310	1144	.058	.059	.300	-.108
310	1145	.100	.072	.414	-.223
310	1146	.083	.095	.484	-.425
310	1147	-.103	.075	.230	-.498
310	1148	-.003	.059	.272	-.178
310	1149	.089	.064	.431	-.071
310	1150	.162	.094	.711	-.059
310	1151	.087	.097	.740	-.098

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
310	1152	.109	.075	.454	-.061
310	1153	.130	.094	.586	-.097
310	1154	.134	.089	.556	-.105
310	1155	.091	.083	.523	-.325
310	1201	-.443	.337	.344	-1.805
310	1202	-.181	.181	.097	-1.235
310	1203	-.137	.050	.023	-.516
310	1204	-.100	.043	.036	-.300
310	1205	-.072	.042	.098	-.255
310	1206	-.105	.035	.013	-.261
310	1207	-.181	.030	-.094	-.314
310	1208	-.417	.318	.696	-1.319
310	1209	-.241	.301	.535	-1.206
310	1210	-.062	.100	.200	-.839
310	1211	-.066	.044	.110	-.278
310	1212	-.085	.035	.059	-.321
310	1213	-.179	.031	-.034	-.305
310	1214	-.225	.036	-.124	-.364
310	1215	-.370	.275	.629	-1.255
310	1216	-.299	.315	.421	-1.472
310	1217	-.065	.145	.254	-.893
310	1218	-.068	.057	.122	-.678
310	1219	-.117	.036	.045	-.375
310	1220	-.192	.034	-.073	-.379
310	1221	-.234	.039	-.119	-.419
310	1222	-.304	.280	.572	-1.343
310	1223	-.226	.312	.447	-1.425
310	1224	-.068	.156	.292	-1.029
310	1225	-.061	.061	.170	-.485
310	1226	-.105	.039	.066	-.322
310	1227	-.161	.032	-.056	-.337
310	1228	-.230	.037	-.120	-.535
310	1229	-.244	.308	.644	-1.569
310	1230	-.179	.316	.512	-1.502
310	1231	-.044	.140	.310	-1.187
310	1232	-.052	.051	.144	-.327
310	1233	-.101	.036	.043	-.297
310	1234	-.174	.032	-.074	-.301
310	1235	-.207	.034	-.118	-.353
310	1236	-.206	.277	.538	-1.176
310	1237	-.146	.266	.392	-1.314
310	1238	-.038	.115	.236	-1.088
310	1239	-.052	.054	.151	-.562
310	1240	-.100	.037	.100	-.261
310	1241	-.175	.035	-.036	-.327
310	1242	-.218	.039	-.103	-.359
310	1243	-.139	.255	.565	-2.066
310	1244	-.062	.203	.457	-1.199
310	1245	-.008	.081	.243	-.618
310	1246	-.034	.047	.184	-.287

APPENDIX A -- PRESSURE DATA ;   CONFIGURATION A : GATEWAY PROJECT TOWERS

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
310	1247	-.088	.036	.066	-.232
310	1248	-.159	.039	-.038	-.365
310	1249	-.215	.042	-.107	-.454
310	1250	-.086	.201	.512	-1.055
310	1251	-.004	.075	.240	-.571
310	1252	-.080	.035	.100	-.219
310	1253	-.221	.046	-.099	-.510
310	1254	-.030	.133	.367	-.837
310	1255	-.017	.135	.374	-.838
310	1256	.031	.069	.366	-.438
310	1257	-.004	.047	.226	-.187
310	1258	-.068	.036	.075	-.236
310	1259	-.167	.036	-.068	-.330
310	1260	-.217	.042	-.103	-.429
310	1301	-.249	.046	-.119	-.432
310	1302	-.249	.047	-.098	-.443
310	1303	-.255	.047	-.093	-.458
310	1304	-.261	.047	-.084	-.431
310	1305	-.261	.048	-.080	-.471
310	1306	-.269	.057	-.089	-.579
310	1307	-.266	.051	-.079	-.467
310	1308	-.272	.053	-.103	-.495
310	1309	-.254	.056	-.070	-.526
310	1310	-.256	.041	-.138	-.437
310	1311	-.256	.040	-.143	-.421
310	1312	-.262	.042	-.136	-.451
310	1313	-.231	.042	-.115	-.393
310	1314	-.256	.042	-.111	-.415
310	1315	-.263	.043	-.120	-.421
310	1316	-.265	.044	-.134	-.430
310	1317	-.246	.044	-.108	-.409
310	1318	-.238	.048	-.085	-.430
310	1319	-.246	.041	-.136	-.440
310	1320	-.240	.039	-.131	-.451
310	1321	-.247	.041	-.131	-.412
310	1322	-.239	.040	-.111	-.385
310	1323	-.249	.039	-.134	-.414
310	1324	-.249	.040	-.136	-.456
310	1325	-.251	.040	-.143	-.432
310	1326	-.254	.056	-.104	-.606
310	1327	-.261	.061	-.091	-.542
310	1328	-.236	.040	-.129	-.451
310	1329	-.241	.040	-.132	-.407
310	1330	-.247	.042	-.143	-.430
310	1331	-.237	.038	-.131	-.433
310	1332	-.240	.037	-.141	-.410
310	1333	-.240	.037	-.128	-.376
310	1334	-.246	.039	-.148	-.453
310	1335	-.239	.053	-.075	-.530
310	1336	-.242	.063	-.067	-.693
310	1337	-.236	.039	-.120	-.381
310	1338	-.238	.039	-.120	-.394
310	1339	-.246	.041	-.141	-.497
310	1340	-.236	.040	-.136	-.461
310	1341	-.246	.040	-.145	-.488
310	1342	-.251	.041	-.145	-.526
310	1343	-.231	.039	-.118	-.458
310	1344	-.220	.053	-.070	-.632
310	1345	-.225	.064	-.045	-.916
310	1346	-.227	.041	-.118	-.406
310	1347	-.236	.042	-.130	-.402
310	1348	-.243	.044	-.125	-.446
310	1349	-.238	.044	-.097	-.427
310	1350	-.249	.043	-.124	-.451
310	1351	-.246	.044	-.132	-.453
310	1352	-.243	.045	-.130	-.460
310	1353	-.232	.061	-.023	-.696
310	1354	-.237	.075	-.010	-.845
310	1355	-.256	.050	-.128	-.474
310	1356	-.256	.050	-.120	-.475
310	1357	-.272	.064	-.133	-.735
310	1358	-.264	.057	-.093	-.556
310	1359	-.267	.057	-.142	-.660
310	1360	-.282	.064	-.142	-.711
310	1361	-.269	.060	-.132	-.668
310	1362	-.225	.071	.008	-.686
310	1363	-.243	.106	.086	-1.099
310	1364	-.271	.061	-.137	-.615
310	1365	-.287	.071	-.146	-.986
310	1366	-.293	.072	-.122	-.857
310	1367	-.287	.070	-.053	-.660
310	1368	-.190	.096	.104	-.837
310	1369	-.275	.067	-.128	-.758
310	1370	-.277	.067	-.135	-.774
310	1371	-.269	.061	-.137	-.646
310	1372	-.268	.062	-.130	-.675
310	1373	-.267	.062	.010	-.661
310	1374	-.278	.076	.131	-.854
310	1375	-.267	.079	.107	-.714
310	1376	-.128	.078	.116	-.663
310	1377	-.152	.113	.133	-1.048
310	1401	-.295	.071	-.102	-.693
310	1402	-.286	.082	-.059	-.711
310	1403	-.349	.128	-.077	-.997
310	1404	-.351	.127	-.059	-.924
310	1405	-.427	.108	-.090	-1.125
310	1406	-.670	.128	-.210	-1.178
310	1407	-.921	.182	-.466	-1.539
310	1408	-.242	.046	-.098	-.438
310	1409	-.233	.045	-.051	-.444
310	1410	-.237	.053	-.059	-.486
310	1411	-.296	.076	-.068	-.738
310	1412	-.573	.150	-.204	-1.151
310	1413	-.899	.184	-.395	-1.678
310	1414	-.986	.212	-.407	-1.748
310	1415	-.242	.065	-.044	-.668
310	1416	-.241	.070	-.044	-.535
310	1417	-.291	.109	.058	-.779
310	1418	-.467	.172	-.021	-1.153
310	1419	-.679	.160	-.133	-1.300
310	1420	-.703	.127	-.344	-1.246
310	1421	-.706	.129	-.347	-1.230
310	1422	-.238	.066	.013	-.719
310	1423	-.238	.081	-.024	-.742
310	1424	-.279	.118	.144	-.934
310	1425	-.430	.169	-.007	-1.066
310	1426	-.631	.165	-.058	-1.291
310	1427	-.680	.150	-.303	-1.347
310	1428	-.702	.145	-.349	-1.404
310	1429	-.229	.038	.017	-.550
310	1430	-.215	.059	.069	-.611
310	1431	-.232	.091	.048	-.794
310	1432	-.343	.171	.054	-1.076
310	1433	-.583	.192	-.108	-1.379
310	1434	-.685	.157	-.306	-1.427
310	1435	-.684	.156	-.286	-1.378
310	1436	-.217	.053	-.032	-.504
310	1437	-.199	.046	-.043	-.429
310	1438	-.172	.055	.050	-.574
310	1439	-.236	.111	.021	-.925
310	1440	-.437	.199	-.009	-1.241
310	1441	-.642	.171	-.255	-1.656
310	1442	-.633	.172	-.238	-1.728
310	1443	-.195	.053	.003	-.418
310	1444	-.163	.042	.018	-.345
310	1445	-.124	.038	.064	-.344
310	1446	-.120	.063	.071	-.666
310	1447	-.243	.153	.065	-1.141
310	1448	-.515	.163	-.076	-1.290
310	1449	-.509	.159	-.169	-1.315
310	1450	-.156	.068	.066	-.494
310	1451	-.095	.036	.032	-.231
310	1452	-.133	.097	.111	-.729
310	1453	-.463	.202	-.035	-1.242
310	1454	-.103	.047	.057	-.270
310	1455	-.106	.040	.041	-.260
310	1456	-.079	.035	.070	-.210
310	1457	-.051	.044	.157	-.276
310	1458	-.134	.099	.205	-.629
310	1459	-.289	.123	.125	-.894

APPENDIX A -- PRESSURE DATA ; CONFIGURATION A : GATEWAY PROJECT TOWERS

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
310	1460	-.294	.124	.092	-.933
310	1461	.045	.061	.300	-.113
310	1901	-.127	.096	.260	-.636
310	1902	.226	.123	.647	-.277
310	1903	.045	.078	.357	-.424
310	1904	-.537	.123	-.150	-.998
310	1905	-.025	.096	.174	-.594
310	1906	.308	.149	.761	-.140
310	1907	-.409	.210	.179	-1.089
310	1908	-.210	.103	.282	-.717
310	1909	.029	.091	.323	-.381
310	1910	.074	.060	.350	-.084
310	1911	.099	.071	.457	-.075
310	2101	.454	.179	.998	-.419
310	2102	.422	.167	.915	-.285
310	2103	.293	.136	.702	-.303
310	2104	.189	.116	.571	-.173
310	2105	-.009	.088	.531	-.341
310	2106	-.220	.084	.251	-.572
310	2107	.472	.178	.994	-.255
310	2108	.539	.188	1.140	-.196
310	2109	.452	.159	.979	-.066
310	2110	.330	.128	.750	-.180
310	2111	.011	.090	.333	-.333
310	2112	-.277	.096	.085	-.609
310	2113	.417	.171	1.086	-.278
310	2114	.506	.172	1.057	-.141
310	2115	.483	.157	.940	-.053
310	2116	.347	.132	.820	-.098
310	2117	-.019	.092	.355	-.379
310	2118	-.318	.108	.088	-.706
310	2119	.330	.165	.914	-.311
310	2120	.440	.166	1.003	-.146
310	2121	.442	.145	1.025	-.046
310	2122	.320	.116	.770	-.126
310	2123	-.006	.089	.373	-.355
310	2124	-.264	.103	.162	-.695
310	2125	.267	.158	.839	-.243
310	2126	.358	.159	.945	-.090
310	2127	.383	.145	.887	-.011
310	2128	.290	.119	.722	-.096
310	2129	.017	.092	.409	-.351
310	2130	-.181	.094	.168	-.679
310	2131	.164	.139	.825	-.253
310	2132	.256	.143	.888	-.121
310	2133	.325	.140	.926	-.072
310	2134	.259	.117	.833	-.102
310	2135	.042	.089	.530	-.280
310	2136	-.096	.089	.310	-.482
310	2137	.067	.122	.628	-.278

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
310	2138	.158	.118	.677	-.185
310	2139	.224	.109	.674	-.067
310	2140	.196	.096	.607	-.055
310	2141	.044	.082	.426	-.215
310	2142	-.078	.087	.346	-.409
310	2143	-.016	.117	.569	-.469
310	2144	.189	.108	.650	-.071
310	2145	.198	.100	.651	-.039
310	2146	-.013	.079	.315	-.358
310	2147	.219	.100	.603	-.018
310	2148	.144	.088	.491	-.157
310	2149	.045	.081	.384	-.419
310	2150	.028	.097	.424	-.287
310	2151	.147	.101	.581	-.124
310	2152	.287	.121	.779	.035
310	2153	.266	.118	.898	-.011
310	2154	.272	.125	.878	-.029
310	2155	.251	.118	.974	-.069
310	2201	-.879	.221	-.325	-1.880
310	2202	-.641	.192	-.134	-1.504
310	2203	-.348	.097	-.033	-.912
310	2204	-.264	.069	.006	-.538
310	2205	-.243	.067	.010	-.687
310	2206	-.231	.068	.020	-.555
310	2207	-.254	.085	.041	-.592
310	2208	-.877	.209	.002	-1.699
310	2209	-.737	.174	-.150	-1.333
310	2210	-.304	.118	-.028	-.860
310	2211	-.224	.052	-.043	-.430
310	2212	-.211	.053	-.042	-.413
310	2213	-.255	.075	-.028	-.556
310	2214	-.286	.085	-.019	-.621
310	2215	-.783	.180	-.279	-1.729
310	2216	-.756	.197	-.038	-1.358
310	2217	-.309	.155	-.030	-1.107
310	2218	-.216	.053	.009	-.576
310	2219	-.232	.051	.047	-.468
310	2220	-.257	.072	-.006	-.552
310	2221	-.282	.086	.003	-.628
310	2222	-.773	.202	-.251	-1.689
310	2223	-.751	.221	.003	-1.634
310	2224	-.279	.141	-.028	-1.212
310	2225	-.205	.052	-.016	-.517
310	2226	-.210	.049	-.034	-.393
310	2227	-.232	.063	-.019	-.468
310	2228	-.240	.072	.024	-.657
310	2229	-.678	.199	-.163	-1.724
310	2230	-.577	.239	.015	-1.463
310	2231	-.202	.092	-.006	-.883
310	2232	-.170	.045	-.015	-.431

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
310	2233	-.173	.040	-.028	-.392
310	2234	-.202	.049	-.034	-.412
310	2235	-.217	.058	-.024	-.492
310	2236	-.559	.184	.065	-1.303
310	2237	-.451	.210	.128	-1.393
310	2238	-.138	.073	.075	-.793
310	2239	-.128	.040	.029	-.314
310	2240	-.143	.039	.035	-.333
310	2241	-.185	.047	-.047	-.385
310	2242	-.203	.057	-.041	-.462
310	2243	-.374	.167	.110	-1.050
310	2244	-.237	.167	.140	-1.135
310	2245	-.073	.052	.133	-.389
310	2246	-.081	.037	.069	-.210
310	2247	-.102	.033	.029	-.224
310	2248	-.154	.047	.040	-.397
310	2249	-.165	.053	.083	-.474
310	2250	-.242	.136	.148	-.967
310	2251	-.037	.051	.176	-.355
310	2252	-.088	.035	.040	-.222
310	2253	-.156	.055	.069	-.363
310	2254	.216	.108	.709	-.043
310	2255	-.155	.109	.273	-.613
310	2256	-.113	.129	.270	-.613
310	2257	.014	.064	.274	-.342
310	2258	-.007	.042	.159	-.172
310	2259	-.075	.034	.060	-.197
310	2260	-.150	.046	.019	-.308
310	2261	-.163	.052	.036	-.361
310	2301	-.289	.097	.070	-.717
310	2302	-.289	.105	.092	-.732
310	2303	-.302	.111	.038	-.802
310	2304	-.308	.127	.085	-.876
310	2305	-.298	.112	.073	-.818
310	2306	-.310	.117	.020	-.872
310	2307	-.325	.126	.126	-1.160
310	2308	-.353	.132	.140	-.973
310	2309	-.375	.139	.060	-.945
310	2310	-.314	.116	.082	-.834
310	2311	-.311	.111	-.031	-.789
310	2312	-.328	.108	.017	-.799
310	2313	-.316	.113	.121	-.882
310	2314	-.322	.116	.011	-.941
310	2315	-.327	.117	-.022	-.892
310	2316	-.329	.115	-.013	-1.028
310	2317	-.347	.128	.012	-1.018
310	2318	-.363	.137	.009	-1.053
310	2319	-.275	.092	-.017	-.898
310	2320	-.279	.093	-.047	-.841
310	2321	-.300	.099	-.047	-1.058

APPENDIX A -- PRESSURE DATA ; CONFIGURATION A : GATEWAY PROJECT TOWERS

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
310	2322	-.309	.105	.082	-1.102
310	2323	-.300	.098	.025	-.799
310	2324	-.298	.099	-.036	-.709
310	2325	-.323	.119	-.004	-.956
310	2326	-.347	.134	.021	-.945
310	2327	-.370	.148	.041	-1.050
310	2328	-.238	.073	.054	-.710
310	2329	-.239	.072	.046	-.674
310	2330	-.271	.079	.001	-.783
310	2331	-.285	.084	-.020	-.611
310	2332	-.273	.079	-.004	-.611
310	2333	-.269	.080	-.019	-.633
310	2334	-.318	.111	.012	-.786
310	2335	-.349	.128	.111	-.891
310	2336	-.374	.140	.093	-.983
310	2337	-.218	.067	.046	-.525
310	2338	-.217	.064	-.004	-.497
310	2339	-.257	.076	-.036	-.613
310	2340	-.268	.080	-.026	-.696
310	2341	-.266	.080	-.001	-.693
310	2342	-.268	.084	-.003	-.733
310	2343	-.321	.115	-.007	-.852
310	2344	-.357	.129	.030	-.902
310	2345	-.376	.145	.113	-.991
310	2346	-.212	.062	.011	-.664
310	2347	-.218	.060	.013	-.651
310	2348	-.262	.080	-.026	-.716
310	2349	-.266	.081	-.001	-.614
310	2350	-.256	.074	-.004	-.625
310	2351	-.259	.081	-.044	-.661
310	2352	-.305	.111	-.020	-.839
310	2353	-.353	.136	-.011	-1.106
310	2354	-.364	.139	.004	-1.229
310	2355	-.181	.060	.030	-.426
310	2356	-.190	.058	.018	-.450
310	2357	-.232	.077	.111	-.674
310	2358	-.250	.091	.427	-.681
310	2359	-.237	.073	-.060	-.780
310	2360	-.250	.088	-.062	-1.330
310	2361	-.275	.106	-.029	-.958
310	2362	-.308	.112	-.026	-.809
310	2363	-.315	.119	-.018	-.830
310	2364	-.172	.063	.060	-.437
310	2365	-.212	.069	.057	-.640
310	2366	-.232	.081	.126	-.734
310	2367	-.249	.093	-.015	-.716
310	2368	-.293	.102	.005	-.904
310	2369	-.179	.061	.076	-.562
310	2370	-.183	.058	.057	-.557
310	2371	-.193	.061	.131	-.481
310	2372	-.202	.070	.453	-.483
310	2373	-.203	.065	.053	-.828
310	2374	-.218	.065	-.004	-.511
310	2375	-.239	.086	.037	-.916
310	2376	-.270	.090	-.017	-.723
310	2377	-.275	.100	.001	-.788
310	2401	-.375	.151	.120	-1.142
310	2402	-.375	.160	.209	-1.249
310	2403	-.455	.194	.167	-1.354
310	2404	-.535	.194	.122	-1.215
310	2405	-.540	.175	.052	-1.280
310	2406	-.518	.160	-.004	-2.055
310	2407	-.508	.163	-.064	-1.574
310	2408	-.375	.159	.081	-1.368
310	2409	-.365	.156	.124	-1.184
310	2410	-.423	.188	.239	-1.542
310	2411	-.520	.195	.142	-1.518
310	2412	-.557	.196	.015	-1.457
310	2413	-.550	.175	-.028	-1.476
310	2414	-.554	.172	-.067	-1.541
310	2415	-.407	.188	.147	-1.375
310	2416	-.426	.192	.129	-1.592
310	2417	-.434	.176	.127	-1.217
310	2418	-.507	.191	.093	-1.191
310	2419	-.517	.198	.074	-1.739
310	2420	-.486	.168	.032	-1.802
310	2421	-.489	.163	.016	-1.657
310	2422	-.484	.223	.145	-1.482
310	2423	-.459	.199	.094	-1.297
310	2424	-.450	.179	.136	-1.173
310	2425	-.485	.192	.117	-1.537
310	2426	-.494	.190	.118	-1.946
310	2427	-.459	.165	.128	-1.551
310	2428	-.452	.156	.152	-1.349
310	2429	-.482	.223	.046	-1.581
310	2430	-.460	.192	.037	-1.255
310	2431	-.459	.180	.054	-1.167
310	2432	-.504	.190	.137	-1.393
310	2433	-.497	.193	.048	-1.719
310	2434	-.469	.159	.139	-1.500
310	2435	-.460	.158	.006	-2.038
310	2436	-.430	.189	.050	-1.225
310	2437	-.416	.169	.155	-1.184
310	2438	-.463	.178	.068	-1.318
310	2439	-.519	.202	-.019	-1.638
310	2440	-.494	.186	.236	-1.653
310	2441	-.486	.160	-.032	-1.951
310	2442	-.497	.155	-.054	-1.629
310	2443	-.335	.133	.005	-.897
310	2444	-.331	.140	.057	-.900
310	2445	-.396	.179	.116	-1.234
310	2446	-.498	.199	.036	-1.250
310	2447	-.553	.221	-.012	-1.854
310	2448	-.518	.190	-.033	-1.758
310	2449	-.507	.181	-.053	-1.611
310	2450	-.281	.099	-.013	-.889
310	2451	-.310	.160	.122	-1.364
310	2452	-.603	.269	.112	-2.199
310	2453	-.577	.232	.031	-2.370
310	2454	-.560	.213	-.085	-1.639
310	2455	-.277	.100	.022	-1.224
310	2456	-.254	.098	.119	-1.065
310	2457	-.260	.123	.186	-1.042
310	2458	-.330	.177	.136	-1.698
310	2459	-.495	.244	.267	-1.973
310	2460	-.520	.258	.321	-2.762
310	2461	-.542	.260	.080	-2.642
310	2901	-.570	.100	-.241	-.980
310	2902	-.608	.132	.081	-1.088
310	2903	-.406	.151	.299	-.910
310	2904	-.534	.108	-.229	-.953
310	2905	-.575	.171	.017	-1.302
310	2906	-.234	.173	.631	-1.000
310	2907	-.561	.135	-.173	-1.096
310	2908	-.427	.173	.287	-1.030
310	2909	-.370	.192	.256	-1.330
310	2910	.188	.098	.608	-.044
310	2911	.213	.099	.716	-.051
320	1101	-.500	.123	.070	-.956
320	1102	-.169	.078	.257	-.521
320	1103	.082	.093	.556	-.368
320	1104	.197	.112	.546	-.348
320	1105	.428	.155	.943	-.150
320	1106	.514	.175	1.059	-.067
320	1107	-.471	.121	.049	-1.062
320	1108	-.187	.082	.224	-.593
320	1109	.187	.103	.729	-.166
320	1110	.336	.127	.803	-.162
320	1111	.551	.170	1.177	.042
320	1112	.558	.177	1.045	-.155
320	1113	-.363	.094	.074	-.751
320	1114	-.151	.081	.200	-.450
320	1115	.181	.106	.579	-.188
320	1116	.347	.139	1.045	-.071
320	1117	.497	.167	1.064	-.104
320	1118	.498	.174	1.078	-.182
320	1119	-.379	.108	.044	-.798
320	1120	-.166	.086	.267	-.577
320	1121	.169	.097	.551	-.187
320	1122	.330	.129	.817	-.112

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
320	1123	.468	.170	1.052	-.147	320	1218	-.265	.183	.230	-.998	320	1308	-.241	.064	-.058	-.592
320	1124	.442	.165	.992	-.194	320	1219	-.190	.104	.106	-.902	320	1309	-.234	.067	-.050	-.577
320	1125	-.311	.101	.098	-.710	320	1220	-.202	.061	.211	-.602	320	1310	-.234	.045	-.115	-.533
320	1126	-.136	.077	.176	-.416	320	1221	-.228	.057	.079	-.593	320	1311	-.233	.046	-.085	-.527
320	1127	.122	.085	.461	-.143	320	1222	-.600	.223	.218	-2.332	320	1312	-.239	.047	-.109	-.529
320	1128	.250	.111	.685	-.128	320	1223	-.605	.259	.205	-2.718	320	1313	-.217	.043	-.064	-.456
320	1129	.362	.147	.881	-.186	320	1224	-.437	.268	.127	-1.502	320	1314	-.237	.042	-.096	-.445
320	1130	.363	.155	.909	-.312	320	1225	-.232	.171	.277	-1.015	320	1315	-.239	.044	-.094	-.445
320	1131	-.261	.102	.156	-.672	320	1226	-.174	.100	.107	-.702	320	1316	-.241	.044	-.095	-.443
320	1132	-.109	.077	.264	-.393	320	1227	-.175	.063	.018	-.519	320	1317	-.214	.042	-.093	-.405
320	1133	.106	.078	.524	-.110	320	1228	-.212	.052	.040	-.566	320	1318	-.205	.048	-.055	-.428
320	1134	.208	.100	.775	-.139	320	1229	-.570	.243	.239	-1.743	320	1319	-.238	.063	-.051	-.650
320	1135	.284	.128	.835	-.065	320	1230	-.567	.287	.182	-1.959	320	1320	-.233	.061	-.074	-.594
320	1136	.288	.154	.939	-.316	320	1231	-.309	.248	.135	-1.319	320	1321	-.223	.054	-.060	-.595
320	1137	-.140	.094	.250	-.519	320	1232	-.167	.127	.099	-1.015	320	1322	-.216	.048	-.068	-.511
320	1138	-.036	.070	.238	-.364	320	1233	-.146	.069	.201	-.703	320	1323	-.218	.047	-.013	-.472
320	1139	.096	.072	.498	-.154	320	1234	-.173	.045	.058	-.551	320	1324	-.223	.050	-.018	-.531
320	1140	.143	.086	.544	-.117	320	1235	-.187	.043	.024	-.490	320	1325	-.221	.048	-.037	-.496
320	1141	.174	.108	.619	-.159	320	1236	-.497	.234	.319	-1.638	320	1326	-.202	.048	.004	-.554
320	1142	.178	.139	.727	-.318	320	1237	-.477	.266	.225	-1.699	320	1327	-.204	.053	-.046	-.554
320	1143	-.068	.088	.305	-.431	320	1238	-.241	.200	.100	-1.415	320	1328	-.214	.049	-.076	-.489
320	1144	.096	.071	.464	-.123	320	1239	-.147	.100	.099	-.840	320	1329	-.213	.049	-.076	-.492
320	1145	.123	.081	.507	-.209	320	1240	-.137	.055	.085	-.617	320	1330	-.213	.048	-.075	-.545
320	1146	.067	.111	.842	-.308	320	1241	-.168	.039	.006	-.404	320	1331	-.200	.041	-.081	-.437
320	1147	-.048	.084	.274	-.367	320	1242	-.190	.038	-.048	-.408	320	1332	-.207	.039	-.098	-.409
320	1148	.046	.069	.424	-.188	320	1243	-.381	.233	.544	-1.886	320	1333	-.206	.042	-.074	-.444
320	1149	.117	.072	.414	-.053	320	1244	-.368	.247	.325	-2.237	320	1334	-.209	.040	-.089	-.445
320	1150	.177	.100	.639	-.052	320	1245	-.162	.146	.094	-1.203	320	1335	-.194	.045	-.070	-.603
320	1151	.160	.103	.699	-.189	320	1246	-.112	.075	.127	-.697	320	1336	-.194	.051	-.064	-.625
320	1152	.154	.093	.610	-.081	320	1247	-.123	.044	.079	-.554	320	1337	-.203	.042	-.054	-.518
320	1153	.175	.105	.697	-.152	320	1248	-.165	.043	.054	-.526	320	1338	-.203	.042	-.039	-.479
320	1154	.132	.100	.558	-.101	320	1249	-.198	.041	-.030	-.363	320	1339	-.206	.044	-.027	-.650
320	1155	.061	.086	.486	-.193	320	1250	-.314	.199	.452	-1.517	320	1340	-.195	.036	-.062	-.455
320	1201	-.780	.261	-.042	-1.956	320	1251	-.156	.147	.196	-1.407	320	1341	-.202	.036	-.076	-.432
320	1202	-.649	.269	.029	-1.626	320	1252	-.114	.040	.101	-.374	320	1342	-.207	.039	-.068	-.540
320	1203	-.300	.167	-.010	-1.322	320	1253	-.200	.044	-.062	-.431	320	1343	-.196	.035	-.088	-.414
320	1204	-.194	.087	.072	-.849	320	1254	-.215	.183	.346	-1.784	320	1344	-.183	.037	-.069	-.367
320	1205	-.146	.058	-.006	-.597	320	1255	-.214	.199	.327	-1.601	320	1345	-.185	.042	-.046	-.438
320	1206	-.159	.050	-.018	-.625	320	1256	-.100	.117	.216	-1.409	320	1346	-.197	.038	-.070	-.638
320	1207	-.199	.043	-.052	-.542	320	1257	-.072	.061	.254	-.373	320	1347	-.198	.045	-.037	-.536
320	1208	-.759	.215	.058	-1.714	320	1258	-.105	.040	.081	-.288	320	1348	-.202	.047	-.021	-.588
320	1209	-.663	.227	.147	-2.003	320	1259	-.167	.038	-.010	-.344	320	1349	-.192	.039	-.059	-.410
320	1210	-.396	.232	.031	-1.256	320	1260	-.202	.044	-.046	-.442	320	1350	-.200	.038	-.033	-.375
320	1211	-.168	.098	.072	-1.034	320	1301	-.238	.050	-.101	-.560	320	1351	-.206	.043	-.069	-.499
320	1212	-.142	.054	.033	-.664	320	1302	-.236	.050	-.054	-.578	320	1352	-.203	.040	-.071	-.453
320	1213	-.192	.038	.003	-.468	320	1303	-.240	.056	-.046	-.468	320	1353	-.186	.043	-.063	-.432
320	1214	-.229	.044	-.086	-.676	320	1304	-.234	.055	-.051	-.486	320	1354	-.185	.047	-.057	-.491
320	1215	-.594	.193	.196	-1.696	320	1305	-.237	.060	-.037	-.579	320	1355	-.219	.055	-.069	-.550
320	1216	-.620	.203	.184	-1.933	320	1306	-.251	.081	-.056	-.854	320	1356	-.220	.055	-.067	-.645
320	1217	-.484	.260	.137	-1.654	320	1307	-.243	.070	-.064	-.642	320	1357	-.232	.060	-.075	-.569

APPENDIX A -- PRESSURE DATA ; CONFIGURATION A ; GATEWAY PROJECT TOWERS

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
320	1358	-.213	.056	-.033	-.545
320	1359	-.229	.047	-.072	-.474
320	1360	-.231	.051	-.065	-.536
320	1361	-.232	.052	-.094	-.497
320	1362	-.184	.056	-.035	-.634
320	1363	-.172	.067	.028	-.668
320	1364	-.243	.062	-.093	-.734
320	1365	-.239	.064	-.082	-.700
320	1366	-.235	.066	-.033	-.638
320	1367	-.214	.062	-.000	-.575
320	1368	-.128	.061	.034	-.460
320	1369	-.245	.072	-.072	-.722
320	1370	-.244	.071	-.070	-.712
320	1371	-.226	.068	-.053	-.723
320	1372	-.215	.058	-.050	-.552
320	1373	-.203	.058	-.009	-.628
320	1374	-.216	.077	.108	-.698
320	1375	-.177	.065	.076	-.448
320	1376	-.121	.060	.039	-.576
320	1377	-.133	.077	.035	-.855
320	1401	-.229	.064	-.045	-.668
320	1402	-.198	.068	.021	-.616
320	1403	-.216	.073	.025	-.649
320	1404	-.247	.117	.041	-.843
320	1405	-.404	.158	-.019	-1.102
320	1406	-.608	.150	-.093	-1.209
320	1407	-.830	.178	-.259	-1.684
320	1408	-.207	.045	-.066	-.452
320	1409	-.181	.039	-.030	-.455
320	1410	-.184	.045	-.036	-.446
320	1411	-.225	.066	.028	-.588
320	1412	-.429	.155	-.035	-1.158
320	1413	-.897	.211	-.151	-1.649
320	1414	-.950	.225	-.246	-1.712
320	1415	-.186	.049	-.046	-.444
320	1416	-.180	.051	.005	-.594
320	1417	-.194	.073	.053	-.604
320	1418	-.297	.150	.066	-1.023
320	1419	-.544	.211	-.004	-1.195
320	1420	-.701	.157	-.141	-1.433
320	1421	-.708	.154	-.256	-1.490
320	1422	-.182	.048	-.050	-.408
320	1423	-.171	.056	.014	-.600
320	1424	-.203	.094	.134	-.682
320	1425	-.314	.168	.147	-1.084
320	1426	-.547	.206	.018	-1.322
320	1427	-.678	.162	-.122	-1.439
320	1428	-.675	.166	-.007	-1.493
320	1429	-.174	.042	-.035	-.412
320	1430	-.162	.044	-.019	-.417
320	1431	-.160	.065	.070	-.591
320	1432	-.217	.122	.109	-.915
320	1433	-.421	.199	.008	-1.298
320	1434	-.623	.165	-.144	-1.392
320	1435	-.619	.164	-.224	-1.428
320	1436	-.170	.038	-.032	-.439
320	1437	-.152	.034	-.021	-.400
320	1438	-.122	.048	.059	-.484
320	1439	-.152	.087	.064	-.689
320	1440	-.284	.186	.095	-1.149
320	1441	-.564	.190	-.035	-1.565
320	1442	-.559	.186	-.118	-1.734
320	1443	-.152	.042	-.013	-.333
320	1444	-.128	.034	-.021	-.283
320	1445	-.092	.035	.050	-.291
320	1446	-.077	.050	.079	-.539
320	1447	-.129	.115	.140	-.917
320	1448	-.405	.172	.080	-1.281
320	1449	-.408	.161	.036	-1.260
320	1450	-.124	.045	.033	-.383
320	1451	-.072	.032	.067	-.234
320	1452	-.082	.084	.167	-.672
320	1453	-.349	.184	.189	-1.231
320	1454	-.108	.037	.009	-.259
320	1455	-.096	.028	.001	-.196
320	1456	-.061	.030	.064	-.164
320	1457	-.023	.040	.152	-.176
320	1458	-.049	.077	.203	-.537
320	1459	-.184	.128	.266	-.809
320	1460	-.199	.123	.256	-.930
320	1461	.100	.071	.380	-.061
320	1901	-.375	.109	-.029	-.891
320	1902	-.097	.136	.424	-.566
320	1903	-.181	.119	.260	-.841
320	1904	-.523	.112	-.152	-1.013
320	1905	-.320	.130	.088	-.793
320	1906	.041	.141	.607	-.446
320	1907	-.538	.114	-.147	-1.155
320	1908	-.447	.146	.103	-1.008
320	1909	-.117	.132	.316	-.634
320	1910	.119	.080	.478	-.091
320	1911	.141	.088	.556	-.059
320	2101	.405	.243	1.100	-.709
320	2102	.376	.219	1.030	-.471
320	2103	.215	.170	.714	-.653
320	2104	.140	.137	.636	-.488
320	2105	-.036	.100	.335	-.478
320	2106	-.234	.094	.153	-.643
320	2107	.415	.243	1.075	-.501
320	2108	.428	.238	1.128	-.416
320	2109	.338	.191	.931	-.344
320	2110	.227	.155	.741	-.382
320	2111	-.049	.110	.688	-.448
320	2112	-.290	.116	.423	-.718
320	2113	.278	.226	.958	-.458
320	2114	.327	.211	.970	-.326
320	2115	.295	.179	.905	-.200
320	2116	.197	.149	.679	-.229
320	2117	-.077	.116	.404	-.499
320	2118	-.298	.134	.282	-.819
320	2119	.175	.182	.997	-.468
320	2120	.237	.177	.950	-.324
320	2121	.250	.168	.817	-.209
320	2122	.178	.144	.647	-.230
320	2123	-.048	.113	.422	-.442
320	2124	-.231	.118	.250	-.653
320	2125	.145	.142	.763	-.536
320	2126	.209	.143	.862	-.180
320	2127	.234	.149	.907	-.139
320	2128	.183	.136	.683	-.194
320	2129	-.008	.115	.496	-.502
320	2130	-.154	.112	.340	-.742
320	2131	.115	.124	.628	-.387
320	2132	.174	.131	.739	-.223
320	2133	.209	.131	.803	-.149
320	2134	.168	.122	.691	-.139
320	2135	.011	.101	.409	-.310
320	2136	-.086	.095	.311	-.465
320	2137	.073	.107	.652	-.358
320	2138	.127	.106	.717	-.225
320	2139	.163	.112	.681	-.097
320	2140	.144	.106	.575	-.104
320	2141	.036	.084	.427	-.302
320	2142	-.056	.082	.412	-.360
320	2143	.045	.098	.579	-.388
320	2144	.152	.093	.600	-.070
320	2145	.139	.092	.610	-.121
320	2146	-.013	.076	.340	-.317
320	2147	.151	.091	.600	-.104
320	2148	.097	.086	.483	-.171
320	2149	.026	.078	.469	-.311
320	2150	.051	.079	.626	-.156
320	2151	.116	.093	.800	-.102
320	2152	.197	.117	.894	-.086
320	2153	.181	.107	.615	-.047
320	2154	.180	.110	.668	-.097
320	2155	.174	.107	.645	-.086
320	2201	-.784	.256	-.116	-1.755
320	2202	-.500	.187	-.050	-1.209
320	2203	-.319	.137	-.012	-1.055

APPENDIX A -- PRESSURE DATA ; CONFIGURATION A : GATEWAY PROJECT TOWERS

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
320	2204	-.207	.097	.046	-.801
320	2205	-.194	.074	.032	-.632
320	2206	-.193	.063	.027	-.495
320	2207	-.207	.068	.002	-.574
320	2208	-.768	.256	.085	-1.797
320	2209	-.630	.199	.119	-1.367
320	2210	-.323	.131	.022	-.888
320	2211	-.195	.059	-.001	-.470
320	2212	-.175	.050	.000	-.481
320	2213	-.195	.052	-.013	-.436
320	2214	-.206	.056	.014	-.514
320	2215	-.705	.224	-.015	-1.678
320	2216	-.644	.236	.140	-1.450
320	2217	-.313	.176	.019	-1.171
320	2218	-.193	.076	.083	-.885
320	2219	-.175	.051	.038	-.556
320	2220	-.173	.048	-.003	-.412
320	2221	-.185	.056	.000	-.431
320	2222	-.652	.231	.152	-1.824
320	2223	-.579	.258	.178	-1.696
320	2224	-.222	.131	.119	-1.111
320	2225	-.160	.059	.098	-.649
320	2226	-.150	.044	.059	-.390
320	2227	-.158	.044	.016	-.367
320	2228	-.169	.053	.082	-.421
320	2229	-.551	.224	.153	-1.614
320	2230	-.405	.234	.146	-1.487
320	2231	-.159	.091	.127	-.857
320	2232	-.132	.051	.110	-.516
320	2233	-.127	.040	.053	-.393
320	2234	-.142	.040	.043	-.336
320	2235	-.153	.047	.040	-.449
320	2236	-.390	.168	.135	-1.175
320	2237	-.269	.166	.170	-1.147
320	2238	-.101	.066	.170	-.628
320	2239	-.091	.044	.101	-.322
320	2240	-.096	.036	.047	-.283
320	2241	-.121	.034	.038	-.311
320	2242	-.132	.040	.048	-.351
320	2243	-.253	.139	.239	-.877
320	2244	-.151	.123	.262	-.726
320	2245	-.049	.053	.192	-.292
320	2246	-.055	.043	.155	-.323
320	2247	-.067	.036	.098	-.260
320	2248	-.098	.032	.040	-.241
320	2249	-.103	.034	.050	-.256
320	2250	-.159	.105	.281	-.626
320	2251	-.019	.053	.232	-.224
320	2252	-.056	.033	.084	-.170
320	2253	-.091	.032	.065	-.218

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
320	2254	.140	.095	.584	-.092
320	2255	-.103	.090	.256	-.694
320	2256	-.066	.099	.345	-.553
320	2257	.016	.060	.314	-.232
320	2258	.002	.046	.227	-.153
320	2259	-.045	.033	.114	-.169
320	2260	-.087	.031	.084	-.204
320	2261	-.090	.033	.089	-.203
320	2301	-.221	.066	-.014	-.546
320	2302	-.217	.071	-.008	-.559
320	2303	-.236	.079	.054	-.698
320	2304	-.246	.099	.036	-.950
320	2305	-.240	.081	.026	-.761
320	2306	-.242	.081	.009	-.656
320	2307	-.242	.083	.006	-.703
320	2308	-.245	.086	.086	-.783
320	2309	-.254	.090	.006	-.931
320	2310	-.210	.069	.038	-.830
320	2311	-.216	.061	-.033	-.463
320	2312	-.243	.069	-.026	-.672
320	2313	-.246	.070	-.019	-.560
320	2314	-.249	.068	.022	-.523
320	2315	-.250	.069	-.002	-.772
320	2316	-.247	.075	.052	-.656
320	2317	-.249	.073	-.048	-.622
320	2318	-.258	.075	-.063	-.674
320	2319	-.180	.068	.121	-.592
320	2320	-.187	.070	.075	-.735
320	2321	-.214	.077	.045	-.864
320	2322	-.227	.086	.046	-.926
320	2323	-.218	.073	.101	-.859
320	2324	-.227	.078	-.020	-.783
320	2325	-.239	.094	.005	-1.078
320	2326	-.249	.093	.008	-.954
320	2327	-.254	.093	.006	-.873
320	2328	-.165	.071	.055	-.750
320	2329	-.167	.062	.085	-.678
320	2330	-.196	.066	-.023	-.527
320	2331	-.205	.073	.013	-.706
320	2332	-.194	.059	.007	-.517
320	2333	-.191	.065	.029	-.700
320	2334	-.212	.086	.035	-.943
320	2335	-.224	.080	.080	-.799
320	2336	-.224	.078	.024	-.643
320	2337	-.157	.064	.053	-1.346
320	2338	-.155	.052	.024	-.892
320	2339	-.182	.058	-.014	-.599
320	2340	-.191	.068	-.008	-.744
320	2341	-.185	.058	.027	-.543
320	2342	-.180	.061	.015	-.602

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
320	2343	-.205	.089	.015	-1.050
320	2344	-.214	.081	.057	-.815
320	2345	-.214	.076	.034	-.825
320	2346	-.140	.051	.048	-.667
320	2347	-.141	.043	.003	-.544
320	2348	-.169	.053	.026	-.585
320	2349	-.177	.059	.008	-.697
320	2350	-.168	.046	-.019	-.411
320	2351	-.168	.053	-.009	-.548
320	2352	-.189	.073	.006	-.728
320	2353	-.198	.065	.015	-.553
320	2354	-.200	.073	-.000	-.626
320	2355	-.120	.042	.093	-.445
320	2356	-.126	.038	.017	-.379
320	2357	-.159	.053	.015	-.618
320	2358	-.165	.055	.048	-.525
320	2359	-.157	.047	-.007	-.494
320	2360	-.163	.052	-.012	-.605
320	2361	-.180	.062	-.010	-.557
320	2362	-.194	.060	-.000	-.537
320	2363	-.197	.062	-.003	-.561
320	2364	-.106	.038	.083	-.287
320	2365	-.142	.046	.145	-.508
320	2366	-.155	.054	.025	-.555
320	2367	-.173	.063	.017	-.603
320	2368	-.187	.059	.001	-.529
320	2369	-.100	.036	.059	-.290
320	2370	-.101	.034	.055	-.278
320	2371	-.122	.042	.124	-.347
320	2372	-.136	.052	.198	-.495
320	2373	-.136	.042	.048	-.441
320	2374	-.145	.048	.017	-.999
320	2375	-.154	.053	.010	-.691
320	2376	-.175	.064	.010	-.907
320	2377	-.183	.074	.055	-.890
320	2401	-.229	.085	.037	-.778
320	2402	-.199	.094	.057	-.905
320	2403	-.205	.123	.099	-.874
320	2404	-.262	.158	.113	-1.078
320	2405	-.373	.221	.170	-1.731
320	2406	-.577	.295	.120	-1.947
320	2407	-.688	.334	.210	-2.469
320	2408	-.267	.069	-.013	-.676
320	2409	-.214	.066	.075	-.672
320	2410	-.176	.094	.124	-.986
320	2411	-.221	.149	.138	-1.030
320	2412	-.428	.266	.143	-1.623
320	2413	-.633	.274	.217	-2.599
320	2414	-.686	.273	.369	-2.099
320	2415	-.233	.088	.115	-.813

APPENDIX A -- PRESSURE DATA ; CONFIGURATION A : GATEWAY PROJECT TOWER

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
320	2416	-.201	.086	.153	-.901
320	2417	-.215	.131	.143	-1.016
320	2418	-.295	.197	.184	-1.243
320	2419	-.424	.263	.192	-1.538
320	2420	-.517	.263	.406	-1.569
320	2421	-.536	.242	.428	-1.879
320	2422	-.215	.083	.111	-.803
320	2423	-.199	.086	.138	-.805
320	2424	-.209	.127	.192	-.940
320	2425	-.287	.189	.130	-1.255
320	2426	-.399	.244	.158	-1.464
320	2427	-.475	.260	.198	-1.884
320	2428	-.487	.250	.219	-1.809
320	2429	-.211	.091	.077	-.850
320	2430	-.200	.090	.130	-.779
320	2431	-.210	.126	.245	-1.237
320	2432	-.272	.182	.099	-1.316
320	2433	-.373	.231	.236	-1.439
320	2434	-.436	.249	.322	-2.062
320	2435	-.439	.247	.368	-2.295
320	2436	-.198	.079	.081	-.641
320	2437	-.189	.082	.098	-.595
320	2438	-.208	.117	.196	-.841
320	2439	-.264	.165	.159	-1.111
320	2440	-.330	.200	.192	-1.504
320	2441	-.376	.227	.305	-2.036
320	2442	-.379	.206	.291	-2.330
320	2443	-.181	.059	.042	-.639
320	2444	-.167	.065	.088	-.582
320	2445	-.179	.095	.113	-.730
320	2446	-.243	.166	.129	-1.227
320	2447	-.335	.221	.208	-1.443
320	2448	-.337	.196	.303	-1.497
320	2449	-.336	.188	.370	-1.463
320	2450	-.169	.058	.046	-.551
320	2451	-.154	.081	.125	-.696
320	2452	-.320	.215	.128	-2.080
320	2453	-.332	.193	.131	-1.665
320	2454	-.323	.186	.155	-1.750
320	2455	-.164	.049	.078	-.620
320	2456	-.145	.05[illegible]	.146	-.571
320	2457	-.129	.072	.175	-.721
320	2458	-.162	.124	.182	-.968
320	2459	-.248	.185	.225	-1.780
320	2460	-.318	.236	.230	-1.782
320	2461	-.299	.203	.182	-1.653
320	2901	-.491	.142	-.028	-1.416
320	2902	-.373	.187	.231	-1.122
320	2903	-.087	.158	.528	-.663
320	2904	-.476	.131	-.028	-1.117

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
320	2905	-.299	.172	.227	-1.022
320	2906	.006	.167	.638	-.524
320	2907	-.358	.136	.012	-1.058
320	2908	-.119	.154	.414	-.792
320	2909	-.182	.146	.272	-.969
320	2910	.136	.087	.500	-.066
320	2911	.150	.095	.530	-.084
330	1101	-.352	.163	.627	-1.157
330	1102	-.066	.131	.572	-.745
330	1103	.141	.159	.795	-.544
330	1104	.241	.178	.923	-.620
330	1105	.410	.223	1.066	-.668
330	1106	.452	.222	1.093	-.605
330	1107	-.335	.177	.418	-1.243
330	1108	-.075	.139	.599	-.716
330	1109	.248	.175	.850	-.421
330	1110	.370	.200	.922	-.304
330	1111	.474	.244	1.180	-.398
330	1112	.448	.236	1.063	-.552
330	1113	-.266	.153	.543	-.822
330	1114	-.082	.131	.669	-.545
330	1115	.179	.145	.707	-.276
330	1116	.297	.184	.900	-.269
330	1117	.364	.232	1.122	-.397
330	1118	.325	.251	1.155	-.505
330	1119	-.245	.164	.448	-.831
330	1120	-.075	.132	.518	-.539
330	1121	.141	.125	.648	-.312
330	1122	.225	.149	.763	-.336
330	1123	.258	.192	.939	-.484
330	1124	.243	.232	1.001	-.504
330	1125	-.185	.158	.535	-.760
330	1126	-.055	.120	.540	-.539
330	1127	.119	.098	.564	-.214
330	1128	.190	.118	.678	-.192
330	1129	.209	.177	1.101	-.420
330	1130	.172	.203	1.245	-.549
330	1131	-.120	.144	.433	-.620
330	1132	-.021	.114	.527	-.374
330	1133	.104	.087	.580	-.283
330	1134	.153	.098	.671	-.294
330	1135	.166	.154	.870	-.309
330	1136	.122	.182	.822	-.446
330	1137	-.056	.113	.493	-.551
330	1138	.020	.095	.508	-.365
330	1139	.100	.079	.452	-.225
330	1140	.115	.087	.515	-.287
330	1141	.090	.119	.651	-.273
330	1142	.048	.143	.738	-.420
330	1143	.001	.098	.728	-.629

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
330	1144	.086	.072	.471	-.123
330	1145	.096	.080	.458	-.123
330	1146	-.027	.107	.662	-.419
330	1147	.008	.092	.527	-.424
330	1148	.071	.082	.562	-.154
330	1149	.115	.077	.473	-.098
330	1150	.146	.094	.714	-.060
330	1151	.152	.097	.727	-.087
330	1152	.137	.086	.589	-.320
330	1153	.158	.099	.694	-.139
330	1154	.067	.094	.526	-.177
330	1155	-.007	.097	.518	-.503
330	1201	-.646	.249	-.112	-2.045
330	1202	-.683	.246	-.023	-2.264
330	1203	-.575	.221	.102	-1.765
330	1204	-.442	.191	.026	-1.284
330	1205	-.335	.152	.056	-1.082
330	1206	-.296	.125	.184	-.997
330	1207	-.302	.111	.088	-.819
330	1208	-.728	.260	-.038	-2.282
330	1209	-.684	.233	-.037	-2.125
330	1210	-.609	.213	-.025	-1.707
330	1211	-.415	.183	.073	-1.630
330	1212	-.296	.144	.118	-1.068
330	1213	-.266	.103	.083	-1.003
330	1214	-.287	.101	.028	-.887
330	1215	-.609	.249	-.026	-2.786
330	1216	-.612	.240	-.055	-2.169
330	1217	-.568	.239	.164	-1.627
330	1218	-.423	.195	.144	-1.190
330	1219	-.303	.146	.148	-.951
330	1220	-.270	.110	.096	-.881
330	1221	-.275	.106	.064	-.814
330	1222	-.636	.269	.001	-2.915
330	1223	-.648	.289	.012	-2.848
330	1224	-.544	.255	.101	-1.591
330	1225	-.388	.199	.138	-1.447
330	1226	-.283	.146	.172	-1.267
330	1227	-.241	.112	.165	-.764
330	1228	-.246	.098	.128	-.869
330	1229	-.650	.324	.025	-3.656
330	1230	-.655	.336	.021	-3.372
330	1231	-.493	.259	.143	-1.833
330	1232	-.320	.167	.103	-1.127
330	1233	-.242	.120	.151	-.944
330	1234	-.220	.091	.114	-.671
330	1235	-.224	.091	.061	-.706
330	1236	-.560	.292	.018	-2.743
330	1237	-.548	.307	.056	-3.182
330	1238	-.403	.220	.073	-1.881

APPENDIX A -- PRESSURE DATA ;   CONFIGURATION A ; GATEWAY PROJECT TOWERS

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
330	1239	-.297	.156	.125	-1.248
330	1240	-.230	.109	.337	-.805
330	1241	-.207	.081	.070	-.768
330	1242	-.217	.079	.045	-.859
330	1243	-.449	.242	.161	-2.849
330	1244	-.470	.258	.133	-3.534
330	1245	-.364	.193	.087	-1.585
330	1246	-.266	.134	.125	-.864
330	1247	-.207	.084	.074	-.691
330	1248	-.196	.067	.042	-.551
330	1249	-.209	.065	-.001	-.715
330	1250	-.389	.205	.138	-2.557
330	1251	-.354	.185	.090	-1.274
330	1252	-.179	.070	.216	-.483
330	1253	-.197	.055	.008	-.554
330	1254	-.359	.202	.153	-1.690
330	1255	-.372	.218	.136	-1.993
330	1256	-.286	.174	.126	-1.352
330	1257	-.187	.100	.139	-.839
330	1258	-.164	.064	.064	-.536
330	1259	-.178	.052	.008	-.742
330	1260	-.201	.055	.041	-.607
330	1301	-.299	.104	-.023	-.911
330	1302	-.285	.092	.008	-.781
330	1303	-.258	.091	.050	-.922
330	1304	-.243	.077	.064	-.764
330	1305	-.235	.073	.101	-.680
330	1306	-.247	.080	.004	-.682
330	1307	-.237	.072	-.001	-.624
330	1308	-.231	.074	-.005	-.621
330	1309	-.228	.073	.029	-.600
330	1310	-.320	.114	-.044	-1.001
330	1311	-.307	.105	-.001	-.955
330	1312	-.276	.097	-.014	-.904
330	1313	-.251	.080	-.024	-.948
330	1314	-.249	.074	-.013	-.673
330	1315	-.250	.062	-.064	-.560
330	1316	-.254	.073	-.043	-.636
330	1317	-.225	.059	-.006	-.478
330	1318	-.222	.063	-.002	-.509
330	1319	-.262	.088	-.030	-.996
330	1320	-.252	.085	.058	-.863
330	1321	-.239	.078	-.002	-.723
330	1322	-.226	.068	.001	-.638
330	1323	-.230	.063	-.021	-.525
330	1324	-.236	.068	.061	-.627
330	1325	-.231	.062	-.025	-.586
330	1326	-.206	.055	-.006	-.507
330	1327	-.191	.055	.043	-.711
330	1328	-.232	.078	.037	-.730
330	1329	-.225	.076	.038	-.671
330	1330	-.219	.074	.019	-.797
330	1331	-.202	.054	-.005	-.566
330	1332	-.206	.052	.016	-.489
330	1333	-.210	.054	-.040	-.466
330	1334	-.208	.052	-.017	-.509
330	1335	-.186	.047	-.033	-.538
330	1336	-.185	.048	-.025	-.563
330	1337	-.225	.078	.027	-.617
330	1338	-.224	.077	.068	-.600
330	1339	-.215	.072	.020	-.704
330	1340	-.197	.048	-.003	-.470
330	1341	-.200	.049	.010	-.428
330	1342	-.208	.053	-.006	-.511
330	1343	-.201	.048	-.049	-.466
330	1344	-.177	.043	-.042	-.594
330	1345	-.181	.048	-.021	-.652
330	1346	-.220	.066	-.024	-.668
330	1347	-.221	.072	.073	-.846
330	1348	-.211	.070	.006	-.964
330	1349	-.199	.052	-.023	-.519
330	1350	-.201	.048	-.004	-.456
330	1351	-.206	.051	.066	-.501
330	1352	-.196	.047	-.045	-.443
330	1353	-.179	.043	-.065	-.561
330	1354	-.176	.049	-.042	-.587
330	1355	-.221	.062	-.011	-.604
330	1356	-.213	.059	-.020	-.516
330	1357	-.210	.059	-.027	-.749
330	1358	-.197	.050	-.029	-.526
330	1359	-.196	.045	-.060	-.461
330	1360	-.207	.052	-.030	-.483
330	1361	-.196	.048	-.032	-.586
330	1362	-.158	.037	-.011	-.456
330	1363	-.152	.044	-.034	-.457
330	1364	-.213	.054	-.035	-.473
330	1365	-.215	.066	-.056	-.737
330	1366	-.194	.052	-.031	-.447
330	1367	-.177	.046	-.002	-.407
330	1368	-.132	.043	.036	-.562
330	1369	-.209	.060	.015	-.670
330	1370	-.206	.058	.014	-.621
330	1371	-.194	.060	-.037	-.576
330	1372	-.174	.046	-.054	-.404
330	1373	-.168	.048	.004	-.459
330	1374	-.177	.057	.098	-.467
330	1375	-.156	.043	.064	-.536
330	1376	-.134	.042	.033	-.499
330	1377	-.137	.045	.035	-.495
330	1401	-.196	.064	.056	-.585
330	1402	-.160	.063	.090	-.959
330	1403	-.173	.067	.044	-.583
330	1404	-.195	.081	.073	-.731
330	1405	-.298	.110	.057	-1.198
330	1406	-.562	.174	.020	-1.178
330	1407	-.694	.224	.001	-1.547
330	1408	-.205	.054	.030	-.438
330	1409	-.172	.045	.003	-.382
330	1410	-.151	.050	.071	-.447
330	1411	-.164	.061	.126	-.609
330	1412	-.232	.107	.174	-.905
330	1413	-.704	.288	.106	-1.749
330	1414	-.776	.286	.132	-1.850
330	1415	-.185	.046	.019	-.406
330	1416	-.179	.048	-.016	-.518
330	1417	-.163	.052	.074	-.594
330	1418	-.179	.080	.150	-.909
330	1419	-.297	.205	.192	-1.592
330	1420	-.655	.261	.113	-1.615
330	1421	-.679	.241	.130	-1.700
330	1422	-.175	.044	.024	-.424
330	1423	-.166	.044	.014	-.435
330	1424	-.159	.048	.050	-.459
330	1425	-.167	.086	.101	-.937
330	1426	-.264	.200	.201	-1.263
330	1427	-.533	.254	.276	-1.476
330	1428	-.559	.241	.160	-1.472
330	1429	-.161	.040	-.033	-.468
330	1430	-.152	.039	-.005	-.406
330	1431	-.137	.045	.059	-.521
330	1432	-.135	.071	.207	-.792
330	1433	-.189	.158	.206	-1.202
330	1434	-.418	.224	.192	-1.505
330	1435	-.440	.205	.165	-1.481
330	1436	-.159	.037	-.032	-.316
330	1437	-.137	.035	-.011	-.312
330	1438	-.113	.040	.116	-.391
330	1439	-.106	.059	.135	-.786
330	1440	-.144	.133	.186	-1.052
330	1441	-.339	.216	.189	-1.302
330	1442	-.366	.198	.176	-1.255
330	1443	-.141	.034	-.013	-.293
330	1444	-.119	.031	.013	-.259
330	1445	-.088	.035	.106	-.259
330	1446	-.067	.047	.171	-.379
330	1447	-.077	.081	.216	-.636
330	1448	-.211	.163	.308	-.992
330	1449	-.233	.154	.316	-.970
330	1450	-.124	.032	.088	-.303
330	1451	-.065	.034	.092	-.267

APPENDIX A -- PRESSURE DATA ;   CONFIGURATION A : GATEWAY PROJECT TOWERS

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
330	1452	-.048	.062	.210	-.445	330	2130	-.242	.118	.334	-.826	330	2225	-.213	.137	.179	-1.021
330	1453	-.185	.152	.352	-1.184	330	2131	.091	.157	.575	-.929	330	2226	-.169	.087	.106	-.693
330	1454	-.118	.031	.010	-.259	330	2132	.101	.114	.593	-.602	330	2227	-.174	.064	.029	-.556
330	1455	-.105	.031	.018	-.218	330	2133	.076	.088	.616	-.188	330	2228	-.187	.068	.014	-.480
330	1456	-.056	.040	.172	-.195	330	2134	.024	.086	.622	-.268	330	2229	-.460	.166	.044	-1.234
330	1457	-.017	.053	.325	-.177	330	2135	-.106	.102	.384	-.596	330	2230	-.433	.191	.106	-1.272
330	1458	-.020	.076	.383	-.549	330	2136	-.179	.115	.313	-.817	330	2231	-.276	.192	.093	-1.437
330	1459	-.107	.115	.410	-.734	330	2137	.072	.129	.475	-.682	330	2232	-.176	.124	.177	-1.257
330	1460	-.125	.108	.415	-.783	330	2138	.077	.095	.459	-.705	330	2233	-.140	.075	.113	-1.016
330	1461	.098	.073	.424	-.117	330	2139	.060	.070	.402	-.223	330	2234	-.158	.059	.048	-.663
330	1901	-.498	.159	-.050	-1.253	330	2140	.028	.070	.516	-.243	330	2235	-.176	.067	.064	-.596
330	1902	-.299	.157	.200	-1.012	330	2141	-.071	.078	.412	-.339	330	2236	-.373	.156	.030	-1.104
330	1903	-.246	.179	.280	-1.246	330	2142	-.144	.097	.293	-.549	330	2237	-.347	.174	.075	-1.140
330	1904	-.514	.124	-.077	-1.126	330	2143	.046	.103	.440	-.857	330	2238	-.209	.163	.102	-1.458
330	1905	-.459	.172	.116	-1.216	330	2144	.066	.064	.389	-.212	330	2239	-.125	.090	.139	-.823
330	1906	-.043	.188	.895	-.698	330	2145	.042	.063	.419	-.248	330	2240	-.108	.058	.163	-.861
330	1907	-.510	.128	-.081	-1.147	330	2146	-.092	.080	.262	-.472	330	2241	-.132	.051	.165	-.459
330	1908	-.538	.162	.005	-1.210	330	2147	.049	.063	.398	-.183	330	2242	-.156	.065	.100	-.440
330	1909	-.215	.155	.476	-.720	330	2148	.004	.063	.351	-.216	330	2243	-.269	.138	.137	-1.264
330	1910	.105	.069	.432	-.091	330	2149	-.052	.070	.315	-.327	330	2244	-.240	.159	.172	-1.264
330	1911	.118	.076	.512	-.083	330	2150	.055	.073	.423	-.458	330	2245	-.113	.106	.149	-.893
330	2101	.434	.228	1.132	-.558	330	2151	.074	.075	.474	-.453	330	2246	-.073	.052	.135	-.403
330	2102	.296	.177	.828	-.489	330	2152	.089	.072	.418	-.111	330	2247	-.075	.040	.132	-.291
330	2103	.148	.140	.779	-.496	330	2153	.069	.067	.382	-.202	330	2248	-.102	.042	.055	-.276
330	2104	.075	.111	.470	-.455	330	2154	.062	.070	.437	-.188	330	2249	-.116	.053	.058	-.395
330	2105	-.109	.088	.317	-.600	330	2155	.097	.087	.640	-.218	330	2250	-.207	.126	.154	-.998
330	2106	-.330	.117	.119	-.828	330	2201	-.802	.280	-.070	-1.987	330	2251	-.076	.079	.181	-.717
330	2107	.476	.238	1.128	-1.032	330	2202	-.503	.169	-.013	-1.312	330	2252	-.058	.038	.138	-.228
330	2108	.395	.208	1.052	-.422	330	2203	-.364	.153	.014	-1.216	330	2253	-.079	.049	.096	-.278
330	2109	.223	.155	.830	-.437	330	2204	-.307	.169	.073	-1.072	330	2254	.041	.062	.374	-.140
330	2110	.095	.120	.565	-.458	330	2205	-.299	.150	.034	-.872	330	2255	-.142	.093	.203	-.832
330	2111	-.176	.108	.281	-.639	330	2206	-.261	.091	-.032	-.597	330	2256	-.128	.105	.211	-.736
330	2112	-.408	.142	.257	-.985	330	2207	-.250	.081	-.013	-.581	330	2257	-.052	.079	.229	-.630
330	2113	.326	.248	1.062	-1.139	330	2208	-.797	.283	-.026	-2.222	330	2258	-.022	.047	.214	-.228
330	2114	.294	.208	.974	-1.066	330	2209	-.662	.218	-.081	-1.532	330	2259	-.042	.036	.192	-.157
330	2115	.165	.149	.873	-.372	330	2210	-.428	.176	.037	-1.195	330	2260	-.062	.036	.122	-.178
330	2116	.053	.122	.707	-.436	330	2211	-.218	.077	.002	-.654	330	2261	-.060	.041	.141	-.212
330	2117	-.191	.105	.280	-.668	330	2212	-.187	.064	.063	-.554	330	2301	-.226	.054	-.052	-.457
330	2118	-.382	.128	.158	-.929	330	2213	-.198	.056	-.012	-.429	330	2302	-.225	.057	-.022	-.495
330	2119	.237	.245	.985	-1.104	330	2214	-.217	.061	.019	-.549	330	2303	-.231	.055	.071	-.610
330	2120	.207	.183	.812	-1.108	330	2215	-.579	.173	-.042	-1.648	330	2304	-.237	.068	.049	-.698
330	2121	.117	.121	.735	-.353	330	2216	-.562	.179	-.075	-1.392	330	2305	-.233	.053	.020	-.591
330	2122	.028	.103	.562	-.299	330	2217	-.414	.209	.120	-1.253	330	2306	-.233	.052	-.029	-.565
330	2123	-.168	.105	.268	-.554	330	2218	-.258	.149	.214	-.974	330	2307	-.235	.055	-.004	-.576
330	2124	-.310	.122	.149	-.774	330	2219	-.189	.086	.190	-.686	330	2308	-.228	.053	-.044	-.565
330	2125	.134	.187	.725	-1.088	330	2220	-.188	.062	.007	-.608	330	2309	-.234	.054	-.053	-.665
330	2126	.135	.136	.673	-1.066	330	2221	-.205	.066	.009	-.582	330	2310	-.219	.064	-.013	-.678
330	2127	.082	.096	.663	-.240	330	2222	-.574	.199	-.133	-1.548	330	2311	-.220	.053	-.043	-.486
330	2128	.020	.092	.505	-.286	330	2223	-.553	.220	.048	-1.774	330	2312	-.242	.056	-.007	-.455
330	2129	-.137	.107	.456	-.543	330	2224	-.342	.212	.087	-1.625	330	2313	-.241	.055	-.027	-.624

APPENDIX A -- PRESSURE DATA ; CONFIGURATION A : GATEWAY PROJECT TOWERS

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
330	2314	-.248	.052	-.069	-.479
330	2315	-.242	.051	-.049	-.481
330	2316	-.236	.052	-.043	-.619
330	2317	-.229	.049	-.091	-.601
330	2318	-.239	.050	-.101	-.589
330	2319	-.215	.085	-.007	-.750
330	2320	-.212	.067	.007	-.582
330	2321	-.221	.051	.032	-.442
330	2322	-.229	.053	.014	-.654
330	2323	-.223	.047	-.013	-.439
330	2324	-.216	.049	-.060	-.473
330	2325	-.224	.055	-.027	-.558
330	2326	-.217	.049	-.075	-.516
330	2327	-.216	.047	-.095	-.520
330	2328	-.206	.092	.129	-.888
330	2329	-.199	.074	.089	-.702
330	2330	-.217	.058	.057	-.576
330	2331	-.219	.062	.025	-.723
330	2332	-.213	.050	.019	-.638
330	2333	-.205	.054	-.013	-.565
330	2334	-.216	.065	-.006	-.777
330	2335	-.216	.056	-.057	-.774
330	2336	-.217	.053	-.074	-.707
330	2337	-.205	.107	.081	-1.052
330	2338	-.198	.086	.056	-1.052
330	2339	-.214	.059	-.037	-.527
330	2340	-.219	.063	-.018	-.714
330	2341	-.212	.056	-.010	-.589
330	2342	-.202	.057	-.037	-.624
330	2343	-.218	.070	-.020	-.831
330	2344	-.210	.058	-.029	-.807
330	2345	-.210	.053	-.043	-.657
330	2346	-.190	.104	.102	-.937
330	2347	-.176	.071	.018	-.594
330	2348	-.211	.066	.009	-.651
330	2349	-.221	.072	-.027	-.880
330	2350	-.210	.055	-.022	-.548
330	2351	-.202	.061	-.024	-.713
330	2352	-.219	.076	-.011	-.936
330	2353	-.203	.056	-.049	-.671
330	2354	-.208	.060	-.064	-.609
330	2355	-.167	.111	.105	-.988
330	2356	-.161	.083	.059	-.617
330	2357	-.223	.083	-.003	-.814
330	2358	-.233	.086	-.044	-.724
330	2359	-.217	.072	-.028	-.631
330	2360	-.217	.086	-.027	-.703
330	2361	-.231	.092	.020	-.873
330	2362	-.224	.074	-.042	-.705
330	2363	-.221	.072	-.035	-.662

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
330	2364	-.106	.082	.103	-.697
330	2365	-.191	.084	.259	-.663
330	2366	-.211	.088	.210	-.689
330	2367	-.232	.096	.003	-1.223
330	2368	-.239	.092	-.081	-.861
330	2369	-.083	.069	.218	-.711
330	2370	-.087	.058	.200	-.641
330	2371	-.144	.082	.200	-.654
330	2372	-.167	.101	.382	-.807
330	2373	-.171	.073	.208	-.713
330	2374	-.199	.076	-.018	-.729
330	2375	-.203	.077	-.004	-.944
330	2376	-.227	.090	.109	-1.024
330	2377	-.228	.085	.009	-.789
330	2401	-.157	.053	-.015	-.596
330	2402	-.091	.056	.073	-.524
330	2403	-.051	.062	.121	-.488
330	2404	-.066	.064	.134	-.528
330	2405	-.097	.080	.138	-.915
330	2406	-.120	.216	.253	-1.440
330	2407	-.337	.334	.482	-2.053
330	2408	-.238	.045	-.114	-.558
330	2409	-.166	.037	-.044	-.643
330	2410	-.072	.048	.105	-.443
330	2411	-.046	.063	.149	-.565
330	2412	-.041	.110	.246	-.779
330	2413	-.179	.301	.606	-1.814
330	2414	-.345	.321	.717	-1.461
330	2415	-.197	.040	-.071	-.447
330	2416	-.145	.041	-.013	-.397
330	2417	-.088	.057	.088	-.499
330	2418	-.051	.082	.178	-.712
330	2419	-.051	.150	.317	-.982
330	2420	-.131	.329	.588	-1.747
330	2421	-.203	.337	.601	-1.869
330	2422	-.181	.040	-.016	-.464
330	2423	-.151	.039	.007	-.371
330	2424	-.089	.053	.093	-.401
330	2425	-.049	.080	.250	-.638
330	2426	-.044	.143	.463	-1.090
330	2427	-.084	.314	.699	-1.916
330	2428	-.129	.359	.872	-2.006
330	2429	-.183	.041	-.061	-.463
330	2430	-.148	.039	.003	-.424
330	2431	-.088	.052	.090	-.397
330	2432	-.049	.078	.165	-.723
330	2433	-.035	.133	.348	-.915
330	2434	-.052	.261	.594	-1.778
330	2435	-.077	.314	.759	-2.010
330	2436	-.168	.039	-.050	-.451

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
330	2437	-.140	.040	.035	-.374
330	2438	-.081	.048	.089	-.398
330	2439	-.049	.073	.208	-.644
330	2440	-.044	.124	.313	-.919
330	2441	-.056	.246	.510	-2.100
330	2442	-.075	.258	.640	-1.402
330	2443	-.176	.049	-.004	-.393
330	2444	-.139	.041	.036	-.313
330	2445	-.076	.043	.155	-.289
330	2446	-.049	.060	.145	-.446
330	2447	-.049	.101	.253	-.724
330	2448	-.066	.174	.473	-1.398
330	2449	-.080	.202	.605	-1.465
330	2450	-.171	.054	.005	-.485
330	2451	-.072	.039	.120	-.216
330	2452	-.037	.107	.278	-1.901
330	2453	-.059	.155	.388	-1.453
330	2454	-.078	.167	.542	-2.048
330	2455	-.175	.053	.034	-.455
330	2456	-.127	.039	.056	-.317
330	2457	-.051	.044	.160	-.216
330	2458	-.013	.069	.334	-.367
330	2459	-.013	.102	.360	-.708
330	2460	-.057	.131	.420	-1.530
330	2461	-.051	.133	.464	-1.068
330	2901	-.338	.206	.299	-1.570
330	2902	-.124	.118	.290	-.756
330	2903	.058	.117	.411	-.751
330	2904	-.391	.129	-.001	-.969
330	2905	.008	.109	.271	-.585
330	2906	.308	.182	.810	-.489
330	2907	-.112	.118	.297	-.701
330	2908	.192	.144	.604	-.505
330	2909	.029	.096	.373	-.483
330	2910	.039	.064	.348	-.140
330	2911	.060	.067	.413	-.222
340	1101	-.160	.154	.457	-1.083
340	1102	.062	.141	.694	-.556
340	1103	.213	.172	.906	-.486
340	1104	.283	.196	.998	-.447
340	1105	.380	.226	.987	-.480
340	1106	.341	.259	1.007	-.737
340	1107	-.121	.161	.435	-.743
340	1108	.106	.149	.656	-.430
340	1109	.357	.202	.899	-.447
340	1110	.423	.224	1.023	-.593
340	1111	.420	.244	1.095	-.386
340	1112	.308	.250	1.067	-.541
340	1113	-.066	.152	.558	-.587
340	1114	.114	.153	.826	-.403

APPENDIX A -- PRESSURE DATA ;   CONFIGURATION A : GATEWAY PROJECT TOWERS

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
340	1115	.336	.192	.976	-.157
340	1116	.374	.202	1.027	-.238
340	1117	.309	.206	1.006	-.398
340	1118	.213	.203	.941	-.467
340	1119	-.043	.161	.664	-.645
340	1120	.112	.149	.741	-.503
340	1121	.299	.161	.890	-.267
340	1122	.323	.168	.897	-.272
340	1123	.236	.164	.826	-.246
340	1124	.133	.164	.916	-.489
340	1125	-.009	.150	.631	-.673
340	1126	.120	.145	.792	-.448
340	1127	.268	.152	.778	-.304
340	1128	.285	.151	.896	-.230
340	1129	.201	.145	.811	-.231
340	1130	.108	.138	.701	-.352
340	1131	.019	.137	.601	-.589
340	1132	.128	.136	.760	-.464
340	1133	.249	.148	.903	-.085
340	1134	.254	.144	.941	-.158
340	1135	.142	.113	.626	-.248
340	1136	.054	.122	.925	-.564
340	1137	.033	.111	.509	-.412
340	1138	.110	.108	.566	-.306
340	1139	.199	.113	.706	-.173
340	1140	.199	.114	.784	-.141
340	1141	.106	.102	.727	-.185
340	1142	.019	.105	.493	-.488
340	1143	.065	.090	.500	-.299
340	1144	.180	.106	.992	-.075
340	1145	.181	.106	.782	-.084
340	1146	-.046	.086	.378	-.403
340	1147	.084	.097	.565	-.396
340	1148	.158	.107	.600	-.143
340	1149	.210	.111	.654	-.052
340	1150	.234	.127	.807	-.065
340	1151	.261	.129	.923	-.049
340	1152	.281	.131	1.004	-.035
340	1153	.246	.125	.894	-.024
340	1154	.149	.104	.663	-.134
340	1155	.010	.087	.552	-.320
340	1201	-.485	.156	-.045	-1.569
340	1202	-.486	.160	-.006	-1.951
340	1203	-.499	.167	.058	-1.431
340	1204	-.493	.183	.114	-1.954
340	1205	-.466	.188	.169	-1.640
340	1206	-.415	.176	.154	-1.643
340	1207	-.408	.169	.072	-1.580
340	1208	-.520	.180	-.009	-1.733
340	1209	-.488	.159	-.034	-1.777
340	1210	-.495	.158	.022	-1.464
340	1211	-.466	.161	.032	-1.128
340	1212	-.414	.147	.034	-1.213
340	1213	-.395	.148	-.013	-1.157
340	1214	-.392	.163	.033	-1.196
340	1215	-.467	.168	-.087	-1.822
340	1216	-.487	.189	-.010	-1.887
340	1217	-.493	.186	-.009	-1.514
340	1218	-.469	.163	.109	-1.209
340	1219	-.421	.143	.125	-1.027
340	1220	-.400	.152	.044	-1.054
340	1221	-.405	.157	-.020	-1.091
340	1222	-.470	.212	-.003	-2.909
340	1223	-.475	.214	.047	-1.960
340	1224	-.470	.196	.099	-1.377
340	1225	-.441	.173	.101	-1.333
340	1226	-.413	.148	.118	-1.044
340	1227	-.418	.166	.073	-1.221
340	1228	-.413	.166	-.009	-1.079
340	1229	-.431	.219	.002	-2.710
340	1230	-.442	.231	.076	-2.541
340	1231	-.438	.197	.044	-1.879
340	1232	-.414	.173	.110	-1.542
340	1233	-.386	.148	.086	-1.147
340	1234	-.405	.170	.109	-1.147
340	1235	-.416	.182	.017	-1.356
340	1236	-.414	.179	-.013	-1.867
340	1237	-.417	.187	.004	-2.295
340	1238	-.423	.171	.010	-1.404
340	1239	-.417	.162	.132	-1.163
340	1240	-.384	.151	.082	-.960
340	1241	-.392	.168	-.010	-1.347
340	1242	-.405	.189	-.033	-1.494
340	1243	-.390	.170	.094	-1.749
340	1244	-.383	.165	.083	-1.660
340	1245	-.404	.170	-.020	-1.521
340	1246	-.398	.164	-.040	-1.346
340	1247	-.360	.130	-.041	-1.123
340	1248	-.375	.168	-.018	-1.458
340	1249	-.366	.160	-.034	-1.557
340	1250	-.375	.152	.010	-1.133
340	1251	-.410	.190	-.014	-1.518
340	1252	-.325	.124	.005	-1.030
340	1253	-.338	.151	-.039	-1.236
340	1254	-.357	.169	.118	-1.487
340	1255	-.366	.179	.109	-1.657
340	1256	-.382	.182	.028	-1.502
340	1257	-.361	.157	.118	-1.060
340	1258	-.335	.134	.006	-.852
340	1259	-.350	.157	-.048	-1.219
340	1260	-.340	.161	-.086	-1.495
340	1301	-.358	.135	.009	-1.161
340	1302	-.340	.125	.087	-.925
340	1303	-.317	.115	.008	-.943
340	1304	-.305	.100	.003	-.744
340	1305	-.302	.097	.004	-.734
340	1306	-.318	.116	.050	-.868
340	1307	-.306	.104	-.018	-.748
340	1308	-.286	.095	.024	-.746
340	1309	-.297	.108	.037	-1.042
340	1310	-.355	.121	.004	-.816
340	1311	-.337	.109	.021	-.800
340	1312	-.319	.097	-.025	-.822
340	1313	-.309	.092	.104	-.724
340	1314	-.305	.087	-.025	-.659
340	1315	-.308	.089	-.014	-.716
340	1316	-.312	.089	-.048	-.721
340	1317	-.315	.089	-.060	-.805
340	1318	-.303	.095	.033	-.901
340	1319	-.372	.120	-.053	-.825
340	1320	-.355	.107	-.041	-.821
340	1321	-.352	.095	-.051	-.726
340	1322	-.308	.081	-.066	-.685
340	1323	-.315	.081	-.072	-.651
340	1324	-.320	.081	-.085	-.640
340	1325	-.316	.079	-.086	-.664
340	1326	-.297	.074	-.075	-.642
340	1327	-.289	.075	-.006	-.676
340	1328	-.358	.117	-.037	-.838
340	1329	-.339	.103	-.047	-.646
340	1330	-.320	.090	-.041	-.687
340	1331	-.279	.070	-.051	-.551
340	1332	-.286	.070	-.068	-.580
340	1333	-.308	.070	-.087	-.622
340	1334	-.286	.069	-.068	-.703
340	1335	-.259	.061	-.058	-.651
340	1336	-.256	.061	.002	-.666
340	1337	-.337	.113	-.055	-.778
340	1338	-.321	.101	-.050	-.690
340	1339	-.302	.089	-.025	-.655
340	1340	-.256	.063	-.037	-.507
340	1341	-.262	.064	-.011	-.541
340	1342	-.270	.064	-.030	-.548
340	1343	-.261	.061	-.047	-.609
340	1344	-.232	.053	-.039	-.518
340	1345	-.231	.055	-.005	-.541
340	1346	-.334	.110	-.039	-.835
340	1347	-.309	.096	-.070	-.700
340	1348	-.283	.078	-.078	-.638
340	1349	-.240	.055	-.020	-.506

APPENDIX A -- PRESSURE DATA ;   CONFIGURATION A ; GATEWAY PROJECT TOWERS

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
340	1350	-.244	.055	.048	-.476
340	1351	-.248	.059	-.070	-.526
340	1352	-.240	.055	-.075	-.578
340	1353	-.215	.048	-.044	-.427
340	1354	-.211	.048	-.030	-.429
340	1355	-.315	.105	-.065	-.776
340	1356	-.299	.090	-.044	-.710
340	1357	-.278	.081	-.091	-.670
340	1358	-.236	.056	-.064	-.481
340	1359	-.244	.059	-.067	-.524
340	1360	-.248	.058	-.062	-.525
340	1361	-.244	.058	-.060	-.522
340	1362	-.219	.053	-.017	-.445
340	1363	-.211	.052	-.042	-.635
340	1364	-.303	.100	-.085	-.802
340	1365	-.269	.075	-.077	-.702
340	1366	-.245	.060	-.055	-.536
340	1367	-.240	.059	-.060	-.461
340	1368	-.223	.056	-.068	-.460
340	1369	-.289	.097	-.029	-.751
340	1370	-.279	.087	-.048	-.675
340	1371	-.268	.077	-.079	-.614
340	1372	-.242	.062	-.061	-.532
340	1373	-.239	.061	-.062	-.508
340	1374	-.246	.063	-.075	-.646
340	1375	-.234	.060	-.088	-.538
340	1376	-.222	.056	-.071	-.539
340	1377	-.218	.057	-.069	-.537
340	1401	-.263	.086	.035	-.714
340	1402	-.196	.077	.042	-.733
340	1403	-.215	.073	.046	-.839
340	1404	-.211	.078	.077	-.965
340	1405	-.242	.083	.088	-.686
340	1406	-.443	.159	.123	-1.039
340	1407	-.548	.184	.113	-1.463
340	1408	-.286	.078	-.057	-.564
340	1409	-.223	.063	-.017	-.555
340	1410	-.175	.060	.032	-.617
340	1411	-.140	.065	.121	-.450
340	1412	-.143	.077	.194	-.517
340	1413	-.475	.248	.329	-1.244
340	1414	-.578	.259	.308	-1.642
340	1415	-.266	.063	-.055	-.507
340	1416	-.242	.056	-.035	-.494
340	1417	-.198	.049	.033	-.472
340	1418	-.159	.057	.096	-.460
340	1419	-.147	.088	.226	-.869
340	1420	-.486	.289	.465	-1.536
340	1421	-.551	.269	.507	-1.595
340	1422	-.262	.058	-.084	-.481

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
340	1423	-.233	.050	-.048	-.454
340	1424	-.191	.048	-.012	-.475
340	1425	-.158	.056	.107	-.648
340	1426	-.131	.087	.207	-1.185
340	1427	-.368	.235	.365	-1.297
340	1428	-.424	.234	.273	-1.469
340	1429	-.220	.046	-.058	-.465
340	1430	-.197	.042	-.060	-.362
340	1431	-.168	.046	-.032	-.403
340	1432	-.136	.053	.118	-.487
340	1433	-.110	.080	.139	-.816
340	1434	-.295	.205	.231	-1.222
340	1435	-.362	.194	.155	-1.315
340	1436	-.199	.043	-.042	-.403
340	1437	-.176	.038	-.020	-.340
340	1438	-.131	.043	.041	-.417
340	1439	-.107	.050	.072	-.513
340	1440	-.075	.069	.194	-.440
340	1441	-.209	.160	.288	-1.059
340	1442	-.276	.155	.247	-1.021
340	1443	-.193	.043	-.059	-.436
340	1444	-.160	.037	.020	-.345
340	1445	-.114	.038	.181	-.292
340	1446	-.074	.046	.262	-.266
340	1447	-.048	.059	.228	-.265
340	1448	-.150	.128	.300	-.820
340	1449	-.213	.131	.348	-.802
340	1450	-.197	.045	-.068	-.377
340	1451	-.090	.035	.102	-.219
340	1452	-.025	.054	.297	-.404
340	1453	-.163	.113	.317	-.708
340	1454	-.182	.040	-.057	-.370
340	1455	-.156	.037	.015	-.315
340	1456	-.062	.042	.184	-.204
340	1457	.008	.058	.279	-.171
340	1458	.038	.077	.466	-.250
340	1459	-.044	.115	.405	-.558
340	1460	-.095	.109	.372	-.531
340	1461	.223	.117	.727	-.069
340	1901	-.521	.156	.017	-1.277
340	1902	-.417	.163	.056	-1.038
340	1903	-.410	.202	.164	-1.544
340	1904	-.525	.124	-.070	-1.217
340	1905	-.523	.178	.041	-1.321
340	1906	-.211	.189	.754	-.952
340	1907	-.524	.120	-.123	-1.117
340	1908	-.546	.150	.190	-1.203
340	1909	-.362	.176	.449	-.945
340	1910	.195	.102	.709	-.052
340	1911	.203	.108	.771	-.035

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
340	2101	.291	.178	1.103	-.76
340	2102	.177	.122	.614	-.53
340	2103	.053	.082	.519	-.22
340	2104	-.001	.070	.314	-.24.
340	2105	-.176	.062	.112	-.407
340	2106	-.369	.095	.008	-.776
340	2107	.354	.248	.983	-.685
340	2108	.286	.177	.792	-.655
340	2109	.138	.105	.580	-.234
340	2110	.023	.077	.491	-.301
340	2111	-.246	.077	.380	-.587
340	2112	-.472	.112	.137	-.901
340	2113	.287	.284	.974	-.834
340	2114	.263	.197	.822	-.704
340	2115	.134	.109	.676	-.307
340	2116	.012	.083	.533	-.395
340	2117	-.242	.068	.135	-.517
340	2118	-.425	.084	-.045	-.758
340	2119	.284	.289	.998	-.913
340	2120	.241	.189	.807	-.865
340	2121	.114	.099	.561	-.548
340	2122	-.005	.075	.356	-.468
340	2123	-.229	.073	.147	-.598
340	2124	-.378	.089	-.028	-.924
340	2125	.180	.252	.892	-1.077
340	2126	.172	.180	.682	-1.154
340	2127	.090	.089	.482	-.371
340	2128	-.013	.068	.337	-.253
340	2129	-.226	.071	.175	-.464
340	2130	-.346	.088	.057	-.741
340	2131	.101	.221	.790	-.887
340	2132	.110	.159	.603	-.912
340	2133	.055	.080	.433	-.452
340	2134	-.029	.060	.400	-.236
340	2135	-.212	.072	.123	-.501
340	2136	-.312	.094	.047	-.764
340	2137	.073	.183	.610	-.734
340	2138	.074	.129	.479	-.613
340	2139	.062	.072	.347	-.274
340	2140	.010	.062	.339	-.192
340	2141	-.169	.080	.105	-.536
340	2142	-.304	.115	.066	-.886
340	2143	.046	.139	.521	-.620
340	2144	.060	.068	.427	-.260
340	2145	.035	.061	.317	-.182
340	2146	-.183	.095	.233	-.547
340	2147	.044	.060	.323	-.140
340	2148	-.021	.057	.227	-.208
340	2149	-.095	.072	.252	-.368
340	2150	.050	.090	.496	-.620

APPENDIX A -- PRESSURE DATA ;   CONFIGURATION A : GATEWAY PROJECT TOWERS

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
340	2151	.073	.093	.539	-.567
340	2152	.086	.080	.499	-.100
340	2153	.058	.063	.361	-.156
340	2154	.048	.065	.345	-.129
340	2155	.095	.088	.643	-.140
340	2201	-.780	.224	-.245	-1.713
340	2202	-.699	.172	-.233	-1.289
340	2203	-.493	.138	-.104	-1.343
340	2204	-.501	.182	-.021	-1.164
340	2205	-.456	.143	-.054	-1.016
340	2206	-.358	.081	-.088	-.700
340	2207	-.318	.073	-.096	-.608
340	2208	-.822	.219	-.296	-1.673
340	2209	-.685	.176	-.231	-1.415
340	2210	-.610	.139	-.127	-1.205
340	2211	-.375	.109	-.070	-.884
340	2212	-.273	.086	-.025	-.755
340	2213	-.264	.072	.070	-.753
340	2214	-.277	.068	-.029	-.652
340	2215	-.558	.126	-.229	-1.276
340	2216	-.548	.117	-.176	-1.384
340	2217	-.559	.134	-.025	-1.130
340	2218	-.480	.161	.227	-1.128
340	2219	-.349	.145	.229	-1.076
340	2220	-.263	.101	.057	-.807
340	2221	-.265	.095	-.008	-.884
340	2222	-.539	.135	-.237	-1.536
340	2223	-.545	.138	-.180	-1.667
340	2224	-.555	.150	.011	-1.204
340	2225	-.462	.173	.207	-1.183
340	2226	-.342	.157	.120	-1.072
340	2227	-.272	.116	.116	-.836
340	2228	-.268	.110	.073	-.906
340	2229	-.580	.150	-.152	-1.341
340	2230	-.593	.159	-.069	-1.538
340	2231	-.561	.192	.136	-1.512
340	2232	-.382	.190	.163	-1.105
340	2233	-.236	.141	.250	-1.044
340	2234	-.212	.090	.088	-.692
340	2235	-.229	.083	.005	-.682
340	2236	-.566	.176	-.054	-1.273
340	2237	-.572	.182	-.030	-1.367
340	2238	-.452	.221	.103	-1.401
340	2239	-.207	.154	.167	-.945
340	2240	-.138	.084	.122	-.641
340	2241	-.172	.059	.040	-.602
340	2242	-.214	.075	.081	-.610
340	2243	-.498	.185	-.073	-1.278
340	2244	-.458	.202	.052	-2.100
340	2245	-.198	.166	.229	-1.109

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
340	2246	-.103	.075	.146	-.727
340	2247	-.096	.049	.080	-.438
340	2248	-.124	.053	.080	-.314
340	2249	-.140	.069	.099	-.448
340	2250	-.367	.185	.003	-1.191
340	2251	-.128	.113	.265	-.994
340	2252	-.065	.040	.101	-.229
340	2253	-.082	.063	.131	-.324
340	2254	.031	.056	.356	-.130
340	2255	-.200	.138	.278	-1.027
340	2256	-.206	.156	.264	-1.446
340	2257	-.078	.106	.276	-.671
340	2258	-.025	.053	.247	-.224
340	2259	-.050	.038	.116	-.189
340	2260	-.065	.040	.073	-.259
340	2261	-.059	.048	.092	-.298
340	2301	-.273	.053	-.119	-.477
340	2302	-.276	.054	-.109	-.501
340	2303	-.272	.051	-.114	-.455
340	2304	-.270	.055	-.092	-.480
340	2305	-.273	.050	-.113	-.446
340	2306	-.274	.049	-.131	-.464
340	2307	-.264	.047	-.095	-.517
340	2308	-.246	.046	-.099	-.437
340	2309	-.250	.045	-.104	-.433
340	2310	-.282	.067	-.066	-.713
340	2311	-.279	.059	-.100	-.526
340	2312	-.294	.056	-.117	-.489
340	2313	-.287	.051	-.149	-.462
340	2314	-.292	.053	-.154	-.529
340	2315	-.288	.053	-.135	-.495
340	2316	-.272	.052	-.111	-.471
340	2317	-.260	.048	-.116	-.446
340	2318	-.267	.050	-.119	-.477
340	2319	-.288	.099	-.008	-.958
340	2320	-.280	.073	-.010	-.782
340	2321	-.264	.049	-.063	-.484
340	2322	-.270	.049	-.130	-.501
340	2323	-.268	.046	-.146	-.440
340	2324	-.249	.051	-.109	-.474
340	2325	-.250	.050	-.110	-.459
340	2326	-.243	.048	-.098	-.435
340	2327	-.242	.047	-.102	-.432
340	2328	-.260	.089	.032	-.882
340	2329	-.247	.073	-.024	-.783
340	2330	-.249	.053	-.048	-.486
340	2331	-.254	.050	-.123	-.453
340	2332	-.247	.046	-.130	-.451
340	2333	-.238	.049	-.059	-.477
340	2334	-.246	.049	-.120	-.491

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
340	2335	-.242	.049	-.121	-.492
340	2336	-.240	.047	-.118	-.483
340	2337	-.261	.107	.040	-1.118
340	2338	-.246	.088	-.014	-.792
340	2339	-.255	.062	-.098	-.565
340	2340	-.259	.061	-.104	-.563
340	2341	-.254	.057	-.114	-.609
340	2342	-.246	.056	-.096	-.513
340	2343	-.251	.058	-.103	-.525
340	2344	-.240	.052	-.091	-.493
340	2345	-.244	.053	-.095	-.534
340	2346	-.263	.139	.163	-1.099
340	2347	-.244	.093	.070	-.827
340	2348	-.280	.078	-.070	-.902
340	2349	-.284	.080	-.112	-.735
340	2350	-.271	.068	-.108	-.645
340	2351	-.260	.071	-.085	-.620
340	2352	-.277	.075	-.100	-.585
340	2353	-.255	.062	-.103	-.474
340	2354	-.247	.060	-.106	-.577
340	2355	-.208	.137	.117	-1.379
340	2356	-.206	.105	.127	-.825
340	2357	-.289	.104	.064	-.756
340	2358	-.305	.099	.160	-.775
340	2359	-.284	.082	-.028	-.695
340	2360	-.290	.095	-.037	-.803
340	2361	-.303	.100	.017	-.967
340	2362	-.289	.086	-.096	-.700
340	2363	-.287	.087	-.092	-.732
340	2364	-.113	.101	.124	-.749
340	2365	-.242	.109	.122	-.688
340	2366	-.295	.112	.098	-1.132
340	2367	-.307	.107	-.007	-.960
340	2368	-.322	.102	-.100	-.783
340	2369	-.072	.074	.117	-.724
340	2370	-.083	.066	.148	-.466
340	2371	-.160	.112	.335	-.791
340	2372	-.198	.147	.590	-.848
340	2373	-.229	.089	.106	-.850
340	2374	-.275	.093	-.055	-.831
340	2375	-.276	.091	-.024	-1.055
340	2376	-.320	.106	-.097	-.945
340	2377	-.319	.116	-.084	-1.221
340	2401	-.153	.036	-.019	-.307
340	2402	-.077	.040	.071	-.228
340	2403	-.040	.051	.152	-.231
340	2404	-.040	.057	.153	-.268
340	2405	-.051	.064	.223	-.292
340	2406	.040	.094	.379	-.951
340	2407	.106	.190	.585	-1.041

APPENDIX A -- PRESSURE DATA ; CONFIGURATION A : GATEWAY PROJECT TOWERS

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
340	2408	-.268	.048	-.130	-.490
340	2409	-.157	.036	.001	-.333
340	2410	-.016	.046	.155	-.334
340	2411	.041	.058	.269	-.342
340	2412	.099	.079	.414	-.306
340	2413	.207	.151	.719	-.886
340	2414	.168	.305	.794	-1.410
340	2415	-.204	.040	-.085	-.411
340	2416	-.132	.036	-.004	-.270
340	2417	-.032	.046	.185	-.273
340	2418	.049	.059	.308	-.301
340	2419	.121	.085	.443	-.360
340	2420	.236	.177	.734	-1.046
340	2421	.261	.248	.997	-.942
340	2422	-.191	.040	-.081	-.418
340	2423	-.144	.038	-.024	-.336
340	2424	-.034	.043	.132	-.202
340	2425	.048	.060	.284	-.291
340	2426	.119	.083	.408	-.434
340	2427	.237	.167	.678	-.958
340	2428	.254	.232	.789	-1.108
340	2429	-.199	.045	-.049	-.418
340	2430	-.147	.040	.011	-.298
340	2431	-.048	.042	.185	-.208
340	2432	.029	.055	.337	-.190
340	2433	.098	.078	.419	-.244
340	2434	.192	.133	.620	-.758
340	2435	.210	.194	.739	-.814
340	2436	-.191	.048	-.048	-.559
340	2437	-.149	.042	.027	-.321
340	2438	-.051	.039	.132	-.219
340	2439	.015	.050	.252	-.172
340	2440	.080	.074	.341	-.294
340	2441	.140	.119	.505	-.692
340	2442	.155	.174	.719	-.934
340	2443	-.227	.062	-.084	-.525
340	2444	-.161	.049	-.009	-.381
340	2445	-.052	.039	.138	-.261
340	2446	.013	.051	.212	-.185
340	2447	.051	.067	.298	-.248
340	2448	.087	.119	.457	-.936
340	2449	.085	.164	.601	-.999
340	2450	-.217	.064	-.047	-.531
340	2451	-.043	.041	.120	-.186
340	2452	.049	.068	.286	-.557
340	2453	.062	.107	.427	-.666
340	2454	.055	.124	.588	-.528
340	2455	-.221	.066	-.001	-.680
340	2456	-.145	.046	.007	-.411
340	2457	-.024	.042	.175	-.167

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
340	2458	.039	.060	.286	-.095
340	2459	.064	.073	.402	-.196
340	2460	.054	.091	.427	-.427
340	2461	.041	.087	.505	-.497
340	2901	-.295	.173	.207	-1.023
340	2902	-.241	.089	.151	-.567
340	2903	.017	.087	.330	-.353
340	2904	-.364	.120	.056	-.854
340	2905	.034	.076	.238	-.357
340	2906	.262	.144	.769	-.207
340	2907	.040	.111	.440	-.371
340	2908	.126	.094	.465	-.287
340	2909	.100	.074	.362	-.207
340	2910	.015	.057	.258	-.154
340	2911	.040	.062	.409	-.127
350	1101	-.051	.125	.443	-.575
350	1102	.141	.123	.660	-.281
350	1103	.265	.132	.890	-.291
350	1104	.339	.142	.826	-.345
350	1105	.407	.156	.982	-.266
350	1106	.376	.162	.906	-.290
350	1107	.024	.137	.490	-.489
350	1108	.258	.128	.675	-.213
350	1109	.511	.156	.983	-.052
350	1110	.572	.165	1.116	.028
350	1111	.483	.158	.960	-.028
350	1112	.385	.157	.941	-.142
350	1113	.030	.120	.445	-.433
350	1114	.226	.124	.697	-.179
350	1115	.473	.151	1.019	.054
350	1116	.538	.165	1.212	.019
350	1117	.442	.156	1.170	-.087
350	1118	.316	.144	1.004	-.190
350	1119	.009	.117	.431	-.391
350	1120	.217	.120	.658	-.250
350	1121	.452	.143	.971	-.109
350	1122	.498	.157	1.048	-.057
350	1123	.387	.147	.956	-.007
350	1124	.271	.137	.791	-.361
350	1125	.017	.116	.451	-.423
350	1126	.171	.110	.604	-.173
350	1127	.358	.126	.907	-.015
350	1128	.389	.134	.895	.023
350	1129	.296	.138	.829	-.074
350	1130	.184	.122	.644	-.180
350	1131	.029	.110	.478	-.317
350	1132	.160	.114	.619	-.160
350	1133	.310	.133	.855	-.098
350	1134	.324	.133	.847	-.008
350	1135	.248	.128	.956	-.224

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
350	1136	.097	.108	.690	-.234
350	1137	.034	.101	.447	-.252
350	1138	.126	.096	.526	-.164
350	1139	.229	.106	.665	-.130
350	1140	.233	.111	.720	-.107
350	1141	.131	.107	.628	-.144
350	1142	.027	.104	.504	-.374
350	1143	.060	.076	.402	-.198
350	1144	.229	.106	.671	-.046
350	1145	.236	.113	.772	-.066
350	1146	-.044	.096	.468	-.425
350	1147	.091	.081	.419	-.297
350	1148	.189	.087	.531	-.094
350	1149	.246	.093	.599	.032
350	1150	.288	.111	.769	.015
350	1151	.333	.131	.829	.020
350	1152	.317	.130	1.026	.022
350	1153	.323	.129	.825	.001
350	1154	.162	.103	.776	-.073
350	1155	.041	.094	.493	-.223
350	1201	-.392	.074	-.070	-.910
350	1202	-.400	.073	-.167	-.759
350	1203	-.421	.086	-.105	-.865
350	1204	-.433	.106	-.041	-1.036
350	1205	-.473	.129	-.021	-1.197
350	1206	-.500	.155	-.002	-1.542
350	1207	-.498	.158	.019	-1.350
350	1208	-.414	.082	-.149	-.980
350	1209	-.401	.073	-.160	-.730
350	1210	-.407	.077	-.140	-.840
350	1211	-.417	.083	-.146	-.843
350	1212	-.435	.087	-.151	-.837
350	1213	-.471	.124	-.119	-1.194
350	1214	-.471	.136	-.105	-1.285
350	1215	-.382	.077	-.005	-1.001
350	1216	-.382	.078	-.062	-1.125
350	1217	-.390	.082	-.051	-1.121
350	1218	-.409	.082	-.047	-.831
350	1219	-.429	.082	-.113	-.897
350	1220	-.469	.111	-.125	-1.079
350	1221	-.474	.116	-.122	-1.022
350	1222	-.378	.085	-.089	-1.175
350	1223	-.381	.088	-.092	-1.321
350	1224	-.398	.085	-.098	-.952
350	1225	-.419	.088	-.114	-.901
350	1226	-.451	.089	-.137	-.928
350	1227	-.479	.118	-.151	-1.121
350	1228	-.514	.121	-.136	-1.139
350	1229	-.386	.081	-.075	-.927
350	1230	-.392	.083	-.054	-.959

APPENDIX A -- PRESSURE DATA ;   CONFIGURATION A : GATEWAY PROJECT TOWERS

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
350	1231	-.407	.090	-.021	-1.197
350	1232	-.426	.093	-.073	-.980
350	1233	-.454	.091	-.141	-.817
350	1234	-.505	.120	-.154	-1.203
350	1235	-.513	.125	-.171	-1.234
350	1236	-.392	.084	-.127	-.841
350	1237	-.396	.084	-.136	-.885
350	1238	-.409	.088	-.110	-1.008
350	1239	-.427	.098	-.069	-1.685
350	1240	-.453	.096	-.169	-.937
350	1241	-.493	.124	-.149	-1.254
350	1242	-.504	.136	-.139	-1.268
350	1243	-.418	.098	-.103	-1.145
350	1244	-.423	.122	-.141	-1.284
350	1245	-.440	.115	-.102	-1.371
350	1246	-.451	.126	-.145	-1.618
350	1247	-.453	.111	-.182	-1.322
350	1248	-.467	.139	-.163	-1.419
350	1249	-.479	.141	-.175	-1.356
350	1250	-.425	.117	-.125	-1.308
350	1251	-.446	.141	-.137	-1.562
350	1252	-.429	.099	-.155	-.940
350	1253	-.435	.123	-.031	-1.115
350	1254	-.394	.111	-.105	-1.132
350	1255	-.397	.112	-.089	-1.161
350	1256	-.401	.120	-.120	-2.152
350	1257	-.408	.107	-.051	-1.178
350	1258	-.396	.093	-.099	-1.081
350	1259	-.408	.099	-.155	-.953
350	1260	-.412	.114	-.113	-1.001
350	1301	-.448	.121	.044	-1.044
350	1302	-.420	.107	.054	-.899
350	1303	-.370	.091	-.039	-.765
350	1304	-.344	.090	-.033	-.832
350	1305	-.356	.089	-.027	-.749
350	1306	-.370	.106	.008	-1.201
350	1307	-.353	.099	-.012	-.749
350	1308	-.328	.088	-.026	-.639
350	1309	-.326	.087	-.058	-.644
350	1310	-.434	.102	-.051	-.866
350	1311	-.408	.091	-.041	-.769
350	1312	-.381	.084	-.028	-.694
350	1313	-.346	.074	-.116	-.664
350	1314	-.357	.075	-.117	-.690
350	1315	-.357	.078	-.125	-.682
350	1316	-.359	.079	-.137	-.699
350	1317	-.365	.085	-.102	-.677
350	1318	-.339	.080	-.078	-.657
350	1319	-.435	.080	-.167	-.787
350	1320	-.419	.070	-.175	-.700

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
350	1321	-.412	.074	-.188	-.709
350	1322	-.347	.060	-.130	-.554
350	1323	-.354	.065	-.127	-.592
350	1324	-.363	.062	-.188	-.585
350	1325	-.357	.064	-.143	-.589
350	1326	-.339	.065	-.105	-.626
350	1327	-.342	.064	-.141	-.580
350	1328	-.445	.081	-.168	-.802
350	1329	-.416	.072	-.194	-.755
350	1330	-.379	.068	-.132	-.694
350	1331	-.324	.061	-.118	-.517
350	1332	-.336	.057	-.075	-.519
350	1333	-.352	.059	-.164	-.564
350	1334	-.333	.055	-.157	-.517
350	1335	-.312	.060	-.136	-.587
350	1336	-.312	.060	-.119	-.593
350	1337	-.424	.085	-.063	-.791
350	1338	-.400	.079	-.012	-.753
350	1339	-.357	.070	-.111	-.609
350	1340	-.313	.061	-.085	-.534
350	1341	-.319	.060	-.083	-.527
350	1342	-.327	.056	-.103	-.524
350	1343	-.326	.059	-.134	-.541
350	1344	-.298	.060	-.039	-.524
350	1345	-.297	.062	-.058	-.518
350	1346	-.430	.089	-.154	-.801
350	1347	-.415	.086	-.138	-.770
350	1348	-.385	.083	-.063	-.821
350	1349	-.335	.073	-.087	-.631
350	1350	-.341	.071	-.088	-.661
350	1351	-.345	.068	-.152	-.623
350	1352	-.338	.067	-.097	-.656
350	1353	-.312	.067	-.032	-.593
350	1354	-.308	.067	.006	-.586
350	1355	-.417	.097	-.131	-.936
350	1356	-.406	.089	-.146	-.811
350	1357	-.392	.088	-.149	-.782
350	1358	-.355	.078	-.120	-.688
350	1359	-.352	.081	-.035	-.646
350	1360	-.356	.076	-.140	-.665
350	1361	-.355	.081	-.023	-.671
350	1362	-.343	.079	-.111	-.652
350	1363	-.338	.075	-.101	-.632
350	1364	-.407	.092	-.170	-.850
350	1365	-.384	.088	-.169	-.823
350	1366	-.368	.075	-.124	-.690
350	1367	-.371	.082	-.078	-.721
350	1368	-.357	.083	-.095	-.758
350	1369	-.397	.092	-.155	-.812
350	1370	-.392	.088	-.154	-.751

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
350	1371	-.382	.087	-.122	-.726
350	1372	-.356	.078	-.075	-.607
350	1373	-.355	.078	-.065	-.633
350	1374	-.368	.078	-.113	-.647
350	1375	-.349	.073	-.117	-.609
350	1376	-.334	.072	-.065	-.687
350	1377	-.332	.073	-.085	-.682
350	1401	-.259	.068	-.018	-.527
350	1402	-.189	.061	.059	-.401
350	1403	-.213	.060	.044	-.454
350	1404	-.206	.064	.027	-.442
350	1405	-.192	.065	.100	-.447
350	1406	-.352	.127	.024	-.842
350	1407	-.436	.136	.048	-.876
350	1408	-.293	.059	-.115	-.629
350	1409	-.227	.051	-.028	-.431
350	1410	-.146	.049	.109	-.397
350	1411	-.101	.054	.119	-.299
350	1412	-.070	.071	.266	-.363
350	1413	-.338	.198	.275	-1.258
350	1414	-.457	.200	.269	-1.321
350	1415	-.292	.052	-.149	-.512
350	1416	-.269	.046	-.120	-.492
350	1417	-.199	.039	-.005	-.323
350	1418	-.135	.046	.075	-.281
350	1419	-.094	.066	.157	-.404
350	1420	-.465	.222	.290	-1.481
350	1421	-.503	.200	.175	-1.547
350	1422	-.298	.052	-.140	-.505
350	1423	-.264	.040	-.118	-.404
350	1424	-.208	.039	-.085	-.365
350	1425	-.152	.042	.029	-.303
350	1426	-.097	.060	.143	-.469
350	1427	-.424	.203	.202	-1.193
350	1428	-.467	.188	.072	-1.652
350	1429	-.274	.051	-.095	-.442
350	1430	-.244	.042	-.107	-.388
350	1431	-.197	.037	-.050	-.320
350	1432	-.142	.040	.030	-.283
350	1433	-.098	.054	.124	-.316
350	1434	-.399	.194	.192	-1.201
350	1435	-.438	.178	.124	-1.278
350	1436	-.274	.052	-.096	-.466
350	1437	-.236	.042	-.107	-.396
350	1438	-.170	.036	-.032	-.326
350	1439	-.121	.043	.061	-.258
350	1440	-.073	.054	.201	-.307
350	1441	-.290	.177	.272	-.971
350	1442	-.347	.162	.179	-.994
350	1443	-.285	.056	-.127	-.537

APPENDIX A -- PRESSURE DATA ; CONFIGURATION A : GATEWAY PROJECT TOWERS

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
350	1444	-.230	.045	-.052	-.401
350	1445	-.148	.037	.010	-.304
350	1446	-.089	.042	.114	-.235
350	1447	-.060	.050	.173	-.248
350	1448	-.223	.145	.208	-.861
350	1449	-.277	.136	.171	-.856
350	1450	-.287	.057	-.101	-.521
350	1451	-.118	.033	.010	-.254
350	1452	-.024	.050	.211	-.219
350	1453	-.215	.123	.212	-.759
350	1454	-.266	.054	-.121	-.493
350	1455	-.214	.040	-.095	-.366
350	1456	-.084	.038	.115	-.200
350	1457	.007	.053	.293	-.128
350	1458	.044	.072	.402	-.158
350	1459	-.081	.118	.305	-.481
350	1460	-.129	.108	.287	-.611
350	1461	.235	.108	.757	-.017
350	1901	-.508	.100	-.179	-1.011
350	1902	-.486	.132	-.074	-1.146
350	1903	-.478	.156	-.034	-1.357
350	1904	-.505	.087	-.252	-.914
350	1905	-.500	.116	-.211	-1.221
350	1906	-.363	.140	.376	-.944
350	1907	-.500	.084	-.264	-.910
350	1908	-.500	.092	-.203	-1.031
350	1909	-.476	.128	.231	-1.011
350	1910	.227	.094	.647	-.031
350	1911	.244	.102	.753	-.022
350	2101	-.155	.314	.593	-1.411
350	2102	-.033	.196	.348	-.957
350	2103	-.035	.060	.198	-.413
350	2104	-.048	.052	.156	-.273
350	2105	-.177	.047	.028	-.345
350	2106	-.325	.068	-.111	-.603
350	2107	-.136	.339	.784	-1.151
350	2108	-.046	.267	.589	-1.082
350	2109	.033	.084	.307	-.466
350	2110	-.038	.056	.220	-.263
350	2111	-.237	.055	-.010	-.453
350	2112	-.404	.083	-.179	-.753
350	2113	-.164	.308	.741	-1.146
350	2114	-.088	.314	.603	-1.361
350	2115	.029	.102	.319	-.673
350	2116	-.043	.056	.147	-.482
350	2117	-.228	.051	-.004	-.447
350	2118	-.358	.070	-.105	-.634
350	2119	-.169	.296	.825	-1.147
350	2120	-.115	.306	.650	-1.178
350	2121	-.001	.132	.375	-.963

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
350	2122	-.049	.063	.186	-.641
350	2123	-.218	.052	.040	-.534
350	2124	-.334	.066	-.059	-.565
350	2125	-.190	.274	.591	-1.173
350	2126	-.137	.277	.519	-1.406
350	2127	-.023	.131	.326	-1.008
350	2128	-.066	.062	.122	-.567
350	2129	-.236	.056	.015	-.497
350	2130	-.335	.073	-.071	-.690
350	2131	-.167	.252	.575	-1.177
350	2132	-.122	.253	.467	-1.323
350	2133	-.034	.128	.225	-.839
350	2134	-.068	.063	.134	-.814
350	2135	-.240	.061	-.010	-.516
350	2136	-.335	.081	-.032	-.707
350	2137	-.130	.212	.482	-1.439
350	2138	-.083	.197	.363	-1.468
350	2139	-.008	.097	.247	-.765
350	2140	-.039	.057	.156	-.445
350	2141	-.206	.070	.039	-.525
350	2142	-.331	.104	-.014	-.794
350	2143	-.087	.147	.391	-.749
350	2144	.012	.083	.329	-.631
350	2145	.002	.053	.206	-.261
350	2146	-.212	.090	.082	-.562
350	2147	.017	.054	.206	-.266
350	2148	-.054	.057	.230	-.319
350	2149	-.138	.073	.194	-.442
350	2150	-.033	.136	.358	-.784
350	2151	-.024	.142	.384	-.968
350	2152	.026	.081	.352	-.494
350	2153	.014	.059	.317	-.371
350	2154	.009	.057	.391	-.162
350	2155	.047	.079	.478	-.255
350	2201	-.568	.154	-.140	-1.365
350	2202	-.563	.148	-.135	-1.231
350	2203	-.509	.144	-.081	-1.231
350	2204	-.530	.150	-.082	-1.162
350	2205	-.450	.114	-.132	-.927
350	2206	-.367	.079	-.162	-.663
350	2207	-.342	.071	-.089	-.723
350	2208	-.639	.163	-.223	-1.253
350	2209	-.543	.117	-.256	-1.028
350	2210	-.540	.116	-.234	-.976
350	2211	-.397	.109	-.067	-.813
350	2212	-.297	.109	.027	-.809
350	2213	-.283	.089	-.022	-.747
350	2214	-.310	.085	.012	-.708
350	2215	-.456	.097	-.117	-.818
350	2216	-.450	.090	-.192	-.761

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
350	2217	-.473	.099	-.172	-.921
350	2218	-.455	.118	-.089	-.930
350	2219	-.361	.123	.094	-.947
350	2220	-.289	.108	.091	-.766
350	2221	-.289	.107	.005	-.831
350	2222	-.468	.097	-.198	-.934
350	2223	-.470	.098	-.186	-.994
350	2224	-.492	.118	-.178	-1.166
350	2225	-.447	.130	-.100	-1.003
350	2226	-.353	.136	.113	-1.126
350	2227	-.283	.112	.074	-.798
350	2228	-.290	.117	.006	-1.127
350	2229	-.537	.133	-.234	-1.358
350	2230	-.543	.139	-.187	-1.413
350	2231	-.541	.156	-.086	-1.198
350	2232	-.424	.149	.102	-.961
350	2233	-.291	.129	.019	-.819
350	2234	-.237	.095	.063	-.725
350	2235	-.244	.089	.052	-.705
350	2236	-.574	.167	-.174	-1.535
350	2237	-.583	.171	-.157	-1.518
350	2238	-.500	.202	.093	-1.369
350	2239	-.249	.150	.150	-.996
350	2240	-.151	.082	.114	-.699
350	2241	-.175	.065	.067	-.446
350	2242	-.206	.083	.106	-.540
350	2243	-.505	.166	-.117	-1.194
350	2244	-.508	.200	-.070	-1.717
350	2245	-.240	.164	.110	-1.163
350	2246	-.123	.068	.139	-.725
350	2247	-.107	.045	.105	-.326
350	2248	-.124	.060	.061	-.365
350	2249	-.141	.078	.110	-.463
350	2250	-.405	.177	-.022	-1.358
350	2251	-.151	.112	.119	-.976
350	2252	-.084	.037	.077	-.266
350	2253	-.091	.060	.096	-.363
350	2254	-.008	.054	.213	-.285
350	2255	-.270	.166	.270	-1.083
350	2256	-.232	.171	.169	-1.410
350	2257	-.072	.079	.249	-.809
350	2258	-.040	.042	.213	-.183
350	2259	-.065	.031	.070	-.168
350	2260	-.067	.038	.091	-.222
350	2261	-.062	.045	.105	-.291
350	2301	-.304	.056	-.102	-.666
350	2302	-.306	.059	-.091	-.528
350	2303	-.320	.058	-.132	-.660
350	2304	-.329	.060	-.133	-.702
350	2305	-.328	.056	-.146	-.629

APPENDIX A -- PRESSURE DATA ; CONFIGURATION A : GATEWAY PROJECT TOWERS

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
350	2306	-.318	.055	-.152	-.590
350	2307	-.303	.058	-.084	-.549
350	2308	-.282	.056	-.121	-.594
350	2309	-.283	.055	-.109	-.555
350	2310	-.318	.091	-.001	-.878
350	2311	-.311	.069	-.061	-.720
350	2312	-.344	.066	-.091	-.586
350	2313	-.323	.063	-.091	-.565
350	2314	-.344	.066	-.135	-.664
350	2315	-.322	.063	-.126	-.559
350	2316	-.319	.058	-.155	-.639
350	2317	-.305	.052	-.148	-.525
350	2318	-.314	.055	-.153	-.551
350	2319	-.309	.102	-.015	-.972
350	2320	-.286	.084	.006	-.844
350	2321	-.289	.068	-.107	-.613
350	2322	-.294	.068	-.122	-.777
350	2323	-.287	.061	-.117	-.545
350	2324	-.281	.058	-.109	-.574
350	2325	-.293	.061	-.133	-.608
350	2326	-.278	.054	-.140	-.497
350	2327	-.273	.053	-.115	-.497
350	2328	-.285	.107	.065	-.942
350	2329	-.271	.089	.001	-.740
350	2330	-.286	.073	-.090	-.830
350	2331	-.288	.071	-.100	-.933
350	2332	-.281	.062	-.113	-.707
350	2333	-.269	.061	-.075	-.569
350	2334	-.277	.065	-.103	-.804
350	2335	-.265	.057	-.088	-.619
350	2336	-.263	.055	-.091	-.596
350	2337	-.301	.144	.124	-1.248
350	2338	-.281	.115	.105	-1.036
350	2339	-.306	.085	-.086	-.839
350	2340	-.309	.083	-.092	-.850
350	2341	-.295	.070	-.109	-.657
350	2342	-.274	.065	-.073	-.696
350	2343	-.294	.073	-.129	-.769
350	2344	-.278	.061	-.122	-.555
350	2345	-.272	.062	-.114	-.614
350	2346	-.265	.153	.169	-1.229
350	2347	-.255	.098	.072	-.789
350	2348	-.303	.092	.320	-.823
350	2349	-.322	.092	-.047	-.828
350	2350	-.307	.073	-.113	-.675
350	2351	-.297	.078	-.093	-.756
350	2352	-.319	.086	-.099	-.864
350	2353	-.294	.070	-.131	-.737

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
350	2354	-.305	.072	-.078	-.875
350	2355	-.189	.148	.307	-1.465
350	2356	-.195	.123	.139	-1.013
350	2357	-.297	.125	.101	-.809
350	2358	-.328	.117	.172	-.833
350	2359	-.307	.091	-.059	-.756
350	2360	-.322	.104	-.030	-.960
350	2361	-.350	.115	-.014	-.924
350	2362	-.358	.106	-.106	-1.059
350	2363	-.352	.105	-.104	-1.077
350	2364	-.110	.098	.141	-.812
350	2365	-.238	.126	.199	-.762
350	2366	-.273	.130	.393	-.800
350	2367	-.334	.126	-.021	-1.036
350	2368	-.366	.109	-.126	-1.100
350	2369	-.059	.059	.141	-.555
350	2370	-.072	.064	.154	-.417
350	2371	-.127	.126	.354	-.652
350	2372	-.148	.188	.747	-.988
350	2373	-.208	.105	.093	-.821
350	2374	-.269	.109	.038	-.811
350	2375	-.273	.109	.084	-1.133
350	2376	-.371	.120	-.085	-1.123
350	2377	-.348	.122	-.069	-1.081
350	2401	-.159	.042	-.010	-.311
350	2402	-.070	.048	.117	-.211
350	2403	-.029	.065	.217	-.233
350	2404	-.027	.074	.271	-.291
350	2405	-.017	.082	.266	-.336
350	2406	.138	.112	.543	-.206
350	2407	.296	.139	.777	-.262
350	2408	-.280	.051	-.114	-.457
350	2409	-.137	.043	.033	-.294
350	2410	.044	.062	.255	-.154
350	2411	.125	.076	.385	-.122
350	2412	.226	.100	.632	-.078
350	2413	.409	.142	.895	-.034
350	2414	.485	.181	1.103	-.556
350	2415	-.195	.046	-.015	-.381
350	2416	-.107	.041	.065	-.237
350	2417	.035	.058	.260	-.142
350	2418	.146	.077	.439	-.086
350	2419	.255	.105	.614	-.044
350	2420	.422	.147	.907	-.085
350	2421	.477	.173	1.012	-.521
350	2422	-.185	.044	-.019	-.348
350	2423	-.121	.042	.056	-.270
350	2424	.026	.055	.289	-.131

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
350	2425	.125	.074	.442	-.090
350	2426	.225	.096	.609	-.057
350	2427	.373	.136	.979	-.322
350	2428	.418	.156	1.056	-.454
350	2429	-.197	.046	-.057	-.385
350	2430	-.129	.043	.037	-.285
350	2431	.007	.053	.241	-.142
350	2432	.106	.068	.415	-.096
350	2433	.192	.095	.540	-.115
350	2434	.301	.128	.703	-.471
350	2435	.333	.145	.800	-.503
350	2436	-.199	.051	-.038	-.432
350	2437	-.136	.046	.041	-.310
350	2438	-.003	.052	.217	-.170
350	2439	.084	.067	.360	-.101
350	2440	.169	.086	.555	-.034
350	2441	.247	.117	.719	-.363
350	2442	.264	.120	.757	-.334
350	2443	-.237	.065	-.067	-.550
350	2444	-.146	.051	.013	-.375
350	2445	-.012	.046	.164	-.147
350	2446	.076	.063	.405	-.086
350	2447	.130	.076	.487	-.062
350	2448	.190	.106	.718	-.314
350	2449	.204	.126	.722	-.525
350	2450	-.221	.062	-.012	-.586
350	2451	-.004	.048	.248	-.156
350	2452	.113	.071	.490	-.094
350	2453	.132	.086	.522	-.430
350	2454	.125	.097	.557	-.344
350	2455	-.235	.070	-.074	-.615
350	2456	-.132	.048	.070	-.355
350	2457	.022	.052	.359	-.121
350	2458	.114	.075	.460	-.067
350	2459	.146	.084	.523	-.069
350	2460	.114	.079	.505	-.091
350	2461	.100	.070	.445	-.205
350	2901	-.652	.203	.125	-1.389
350	2902	-.397	.102	-.061	-.843
350	2903	-.065	.091	.278	-.459
350	2904	-.226	.124	.147	-.712
350	2905	-.107	.128	.239	-.706
350	2906	.138	.133	.652	-.451
350	2907	.100	.119	.474	-.295
350	2908	-.004	.094	.315	-.441
350	2909	.040	.092	.314	-.331
350	2910	-.009	.052	.251	-.168
350	2911	.008	.055	.284	-.157

APPENDIX A -- PRESSURE DATA : CONFIGURATION B : GATEWAY PROJECT TOWERS

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
86	1222	-.319	.103	-.083	-.906
86	1229	-.303	.108	-.082	-.976
86	1230	-.298	.095	-.082	-1.013
86	1237	-.295	.097	-.055	-.825
86	1244	-.298	.089	-.076	-.996
86	1309	-.587	.189	-.072	-2.086
86	2260	-.412	.111	-.111	-1.025
86	2355	-.063	.092	.386	-.411
88	1222	-.332	.108	-.046	-.946
88	1229	-.324	.116	-.055	-.942
88	1230	-.316	.099	-.087	-.850
88	1237	-.312	.098	-.088	-.917
88	1244	-.305	.089	-.131	-1.155
88	1309	-.652	.204	-.133	-1.957
88	2260	-.421	.113	-.100	-1.265
88	2355	-.077	.092	.328	-.452
90	1222	-.348	.114	-.128	-1.009
90	1229	-.331	.112	-.093	-.856
90	1230	-.324	.098	-.078	-.856
90	1237	-.317	.097	-.068	-.937
90	1244	-.315	.083	-.142	-.804
90	1309	-.737	.209	-.185	-1.951
90	2260	-.428	.096	-.175	-.806
90	2355	-.085	.086	.315	-.387
92	1222	-.348	.113	-.103	-.962
92	1229	-.337	.117	-.098	-1.081
92	1230	-.326	.097	-.100	-.910
92	1237	-.320	.093	-.091	-.812
92	1244	-.312	.073	-.134	-.824
92	1309	-.791	.234	-.196	-1.989
92	2260	-.434	.100	-.181	-.862
92	2355	-.078	.086	.321	-.386
94	1222	-.348	.110	-.102	-.909
94	1229	-.336	.117	-.086	-1.070
94	1230	-.322	.095	-.043	-.913
94	1237	-.312	.085	-.114	-.857
94	1244	-.317	.075	-.144	-.862
94	1309	-.851	.235	-.326	-2.856
94	2260	-.440	.106	-.185	-1.061
94	2355	-.072	.093	.388	-.470
96	1222	-.377	.117	-.084	-1.029
96	1229	-.363	.122	-.118	-1.070
96	1230	-.351	.097	-.115	-1.001
96	1237	-.345	.091	-.126	-.955
96	1244	-.337	.072	-.150	-.884
96	1309	-.944	.265	-.187	-2.567
96	2260	-.454	.105	-.190	-.990
96	2355	-.066	.103	.426	-.422
98	1222	-.377	.121	-.119	-1.131
98	1229	-.371	.125	-.098	-.942

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
98	1230	-.355	.100	-.090	-.929
98	1237	-.358	.094	-.134	-1.246
98	1244	-.341	.066	-.133	-.941
98	1309	-.982	.276	-.081	-2.640
98	2260	-.456	.111	-.172	-1.040
98	2355	-.046	.101	.375	-.396
100	1222	-.378	.119	-.070	-1.216
100	1229	-.365	.120	-.113	-1.053
100	1230	-.354	.094	-.115	-.986
100	1237	-.359	.086	-.075	-.933
100	1244	-.358	.075	-.140	-.784
100	1309	-.968	.305	-.082	-2.423
100	2260	-.463	.116	-.182	-1.233
100	2355	-.047	.105	.421	-.362
102	1222	-.397	.126	-.114	-1.298
102	1229	-.388	.125	-.125	-1.036
102	1230	-.373	.100	-.120	-.956
102	1237	-.382	.093	-.036	-1.195
102	1244	-.366	.071	-.162	-.743
102	1309	-.962	.334	.031	-3.199
102	2260	-.467	.123	-.198	-1.076
102	2355	-.025	.106	.366	-.373
104	1222	-.394	.122	-.124	-1.107
104	1229	-.390	.120	-.078	-1.048
104	1230	-.375	.093	-.059	-.889
104	1237	-.389	.086	-.175	-.790
104	1244	-.380	.069	-.201	-.756
104	1309	-.863	.332	.172	-2.381
104	2260	-.470	.120	-.147	-1.148
104	2355	-.002	.108	.500	-.414
106	1222	-.414	.140	-.115	-1.387
106	1229	-.411	.136	-.120	-1.389
106	1230	-.394	.105	-.152	-1.242
106	1237	-.411	.093	-.173	-1.091
106	1244	-.402	.076	-.166	-.907
106	1309	-.870	.389	.231	-3.188
106	2260	-.505	.165	-.095	-2.685
106	2355	.026	.116	.490	-.422
108	1222	-.408	.126	-.135	-1.224
108	1229	-.414	.123	-.115	-1.313
108	1230	-.403	.100	-.151	-1.066
108	1237	-.422	.089	-.156	-.802
108	1244	-.395	.073	-.107	-.840
108	1309	-.650	.366	.307	-2.032
108	2260	-.494	.145	-.135	-1.344
108	2355	.027	.113	.476	-.356
110	1222	-.424	.131	-.145	-1.140
110	1229	-.439	.128	-.146	-1.168
110	1230	-.423	.101	-.174	-1.058
110	1237	-.443	.087	-.186	-.989

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
110	1244	-.404	.077	-.169	-.782
110	1309	-.506	.373	.324	-1.905
110	2260	-.497	.152	-.144	-1.380
110	2355	.048	.120	.621	-.274
120	1222	-.467	.160	-.029	-1.405
120	1229	-.462	.137	-.017	-1.559
120	1230	-.447	.110	-.038	-1.151
120	1237	-.446	.103	-.135	-.911
120	1244	-.321	.088	-.034	-.726
120	1309	.164	.190	.720	-.861
120	2260	-.639	.295	-.145	-2.935
120	2355	.109	.119	.698	-.255
122	1222	-.482	.174	-.073	-1.382
122	1229	-.479	.153	-.053	-1.592
122	1230	-.467	.125	-.006	-1.076
122	1237	-.453	.117	-.084	-1.131
122	1244	-.304	.094	-.018	-.748
122	1309	.257	.179	.813	-.817
122	2260	-.725	.342	-.038	-2.578
122	2355	.126	.127	.675	-.313
124	1222	-.461	.168	.006	-1.351
124	1229	-.453	.147	-.051	-1.253
124	1230	-.440	.122	.051	-1.084
124	1237	-.418	.113	-.013	-.947
124	1244	-.274	.088	.015	-.668
124	1309	.278	.169	.781	-.800
124	2260	-.719	.311	-.088	-2.466
124	2355	.119	.122	.625	-.361
126	1222	-.451	.172	.025	-1.441
126	1229	-.442	.152	-.042	-1.454
126	1230	-.432	.127	.001	-.996
126	1237	-.397	.115	-.006	-.848
126	1244	-.268	.091	.061	-.641
126	1309	.328	.163	.794	-.676
126	2260	-.775	.359	-.072	-2.796
126	2355	.139	.122	.607	-.279
128	1222	-.425	.175	.062	-1.271
128	1229	-.411	.157	.007	-1.392
128	1230	-.405	.138	.064	-1.063
128	1237	-.361	.123	-.030	-.928
128	1244	-.246	.082	.000	-.617
128	1309	.388	.158	.857	-.099
128	2260	-.800	.347	-.148	-2.679
128	2355	.164	.135	.613	-.224
130	1222	-.400	.180	.104	-1.350
130	1229	-.391	.169	.044	-1.297
130	1230	-.387	.149	.135	-1.084
130	1237	-.344	.126	.013	-1.007
130	1244	-.236	.078	.051	-.641
130	1309	.430	.158	.887	-.128

APPENDIX A -- PRESSURE DATA ; CONFIGURATION B : GATEWAY PROJECT TOWERS

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
130	2260	-.754	.366	.001	-2.706
130	2355	.168	.130	.757	-.205
132	1222	-.351	.159	.029	-1.201
132	1229	-.341	.151	.071	-1.196
132	1230	-.339	.139	.039	-.980
132	1237	-.299	.115	.005	-.838
132	1244	-.216	.066	-.045	-.625
132	1309	.420	.162	.942	-.064
132	2260	-.727	.348	.017	-2.616
132	2355	.184	.125	.715	-.207
134	1222	-.338	.158	.112	-1.386
134	1229	-.327	.148	.068	-1.801
134	1230	-.326	.141	.078	-1.008
134	1237	-.282	.113	.012	-.908
134	1244	-.208	.060	.000	-.559
134	1309	.466	.165	.921	-.014
134	2260	-.720	.357	.006	-3.308
134	2355	.210	.134	.796	-.175
136	1222	-.294	.134	.176	-1.515
136	1229	-.282	.124	.074	-1.035
136	1230	-.281	.126	.023	-.961
136	1237	-.252	.101	.050	-.838
136	1244	-.195	.054	-.028	-.584
136	1309	.475	.166	1.031	-.010
136	2260	-.595	.351	.160	-2.873
136	2355	.217	.128	.681	-.116
138	1222	-.258	.103	.076	-.972
138	1229	-.251	.103	.048	-.971
138	1230	-.250	.110	.062	-.907
138	1237	-.224	.082	-.017	-.790
138	1244	-.186	.051	.035	-.494
138	1309	.494	.162	1.021	-.016
138	2260	-.562	.330	.126	-2.400
138	2355	.225	.135	.756	-.212
140	1222	-.242	.083	.114	-.721
140	1229	-.231	.079	-.006	-.827
140	1230	-.226	.090	.095	-.813
140	1237	-.209	.068	.003	-.715
140	1244	-.172	.041	.013	-.383
140	1309	.479	.176	1.046	-.060
140	2260	-.470	.314	.196	-2.403
140	2355	.228	.127	.767	-.128
172	1222	-.274	.053	.004	-.511
172	1229	-.251	.053	-.051	-.532
172	1230	-.179	.046	.048	-.370
172	1237	-.170	.047	.048	-.358
172	1244	-.144	.043	.052	-.295
172	1309	.299	.158	.803	-.139
172	2260	.146	.116	.680	-.240
172	2355	-.537	.281	.496	-2.022

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
174	1222	-.259	.050	-.057	-.458
174	1229	-.239	.051	-.020	-.447
174	1230	-.162	.045	.026	-.313
174	1237	-.155	.046	.098	-.337
174	1244	-.128	.044	.084	-.313
174	1309	.243	.152	.811	-.188
174	2260	.143	.120	.714	-.170
174	2355	-.554	.244	.351	-2.022
176	1222	-.262	.055	-.053	-.509
176	1229	-.237	.057	.025	-.470
176	1230	-.159	.050	.054	-.352
176	1237	-.152	.051	.040	-.392
176	1244	-.116	.046	.078	-.306
176	1309	.238	.147	.785	-.224
176	2260	.170	.121	.772	-.159
176	2355	-.651	.234	.339	-1.850
178	1222	-.239	.054	-.020	-.480
178	1229	-.218	.054	.081	-.426
178	1230	-.139	.050	.121	-.322
178	1237	-.134	.051	.108	-.341
178	1244	-.105	.044	.074	-.250
178	1309	.221	.145	.699	-.181
178	2260	.159	.113	.621	-.118
178	2355	-.666	.244	.260	-2.434
180	1222	-.223	.055	-.021	-.479
180	1229	-.198	.056	.059	-.413
180	1230	-.118	.051	.115	-.286
180	1237	-.114	.051	.122	-.316
180	1244	-.099	.045	.084	-.281
180	1309	.200	.142	.647	-.215
180	2260	.180	.117	.816	-.137
180	2355	-.695	.234	-.015	-2.369
182	1222	-.221	.060	.018	-.418
182	1229	-.190	.060	.037	-.447
182	1230	-.109	.054	.119	-.289
182	1237	-.106	.053	.157	-.316
182	1244	-.096	.046	.119	-.272
182	1309	.200	.134	.648	-.229
182	2260	.194	.129	.765	-.228
182	2355	-.736	.235	-.005	-2.431
184	1222	-.217	.062	.070	-.413
184	1229	-.193	.061	.090	-.426
184	1230	-.104	.058	.142	-.285
184	1237	-.105	.057	.157	-.294
184	1244	-.088	.049	.099	-.256
184	1309	.163	.135	.611	-.313
184	2260	.203	.133	.983	-.335
184	2355	-.735	.242	-.187	-2.312
186	1222	-.205	.061	.053	-.408
186	1229	-.180	.060	.169	-.417

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
186	1230	-.090	.056	.169	-.291
186	1237	-.095	.055	.192	-.362
186	1244	-.082	.051	.122	-.237
186	1309	.149	.130	.547	-.259
186	2260	.216	.136	.890	-.242
186	2355	-.713	.241	-.208	-2.354
188	1222	-.195	.063	.078	-.441
188	1229	-.173	.058	.113	-.362
188	1230	-.082	.056	.171	-.267
188	1237	-.086	.053	.140	-.278
188	1244	-.081	.049	.109	-.267
188	1309	.134	.129	.591	-.317
188	2260	.205	.144	1.035	-.169
188	2355	-.688	.233	-.090	-2.077
190	1222	-.185	.065	.081	-.445
190	1229	-.161	.062	.082	-.430
190	1230	-.063	.061	.259	-.281
190	1237	-.078	.057	.220	-.310
190	1244	-.077	.052	.156	-.294
190	1309	.102	.127	.489	-.340
190	2260	.233	.150	1.044	-.218
190	2355	-.647	.209	-.197	-2.100
192	1222	-.177	.065	.087	-.424
192	1229	-.157	.062	.111	-.342
192	1230	-.054	.061	.186	-.229
192	1237	-.072	.059	.316	-.242
192	1244	-.073	.054	.195	-.254
192	1309	.081	.119	.546	-.278
192	2260	.209	.148	.753	-.262
192	2355	-.633	.224	-.144	-2.255
194	1222	-.166	.064	.108	-.474
194	1229	-.149	.062	.202	-.409
194	1230	-.042	.067	.298	-.233
194	1237	-.062	.065	.266	-.257
194	1244	-.064	.060	.225	-.262
194	1309	.063	.117	.527	-.306
194	2260	.234	.153	.972	-.174
194	2355	-.573	.188	-.150	-2.242
196	1222	-.152	.062	.094	-.381
196	1229	-.141	.059	.144	-.341
196	1230	-.035	.066	.329	-.214
196	1237	-.055	.062	.380	-.218
196	1244	-.066	.053	.168	-.236
196	1309	.041	.111	.491	-.327
196	2260	.211	.147	.862	-.230
196	2355	-.541	.177	-.139	-1.600
198	1222	-.149	.062	.094	-.361
198	1229	-.138	.060	.096	-.391
198	1230	-.023	.069	.291	-.227
198	1237	-.049	.064	.215	-.252

APPENDIX A -- PRESSURE DATA ;   CONFIGURATION B : GATEWAY PROJECT TOWERS

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
198	1244	-.052	.060	.273	-.274
198	1309	.016	.107	.379	-.349
198	2260	.214	.148	.993	-.239
198	2355	-.522	.178	-.070	-1.644
312	1222	-.411	.262	.498	-1.601
312	1229	-.375	.273	.552	-1.478
312	1230	-.321	.311	.390	-1.540
312	1237	-.253	.273	.343	-1.567
312	1244	-.105	.206	.412	-1.316
312	1309	-.247	.054	-.075	-.520
312	2260	-.121	.037	.021	-.286
312	2355	-.160	.053	.044	-.482
314	1222	-.483	.237	.498	-1.557
314	1229	-.438	.255	.504	-2.021
314	1230	-.395	.301	.374	-1.759
314	1237	-.305	.272	.340	-1.579
314	1244	-.212	.237	.403	-1.332
314	1309	-.252	.062	-.071	-.590
314	2260	-.108	.037	.069	-.253
314	2355	-.147	.050	.070	-.645
316	1222	-.539	.212	.323	-1.727
316	1229	-.513	.238	.315	-2.765
316	1230	-.491	.286	.264	-1.601
316	1237	-.401	.266	.321	-1.752
316	1244	-.261	.230	.312	-1.463
316	1309	-.242	.062	-.055	-.516
316	2260	-.097	.034	.068	-.240
316	2355	-.136	.045	.069	-.589
318	1222	-.559	.228	.355	-1.924
318	1229	-.531	.249	.407	-2.033
318	1230	-.511	.301	.298	-2.090
318	1237	-.430	.277	.288	-1.866
318	1244	-.335	.248	.199	-1.463
318	1309	-.235	.065	-.053	-.599
318	2260	-.091	.029	.048	-.226
318	2355	-.125	.038	.007	-.370
320	1222	-.622	.204	.069	-1.843
320	1229	-.611	.241	.147	-2.845
320	1230	-.617	.282	.181	-3.841
320	1237	-.528	.271	.193	-2.138
320	1244	-.390	.252	.354	-2.302
320	1309	-.240	.066	-.026	-.620
320	2260	-.085	.031	.047	-.172
320	2355	-.119	.041	.028	-.537
322	1222	-.622	.238	.089	-3.320
322	1229	-.610	.259	.206	-3.812
322	1230	-.613	.292	.202	-2.682
322	1237	-.526	.286	.147	-2.723
322	1244	-.392	.240	.140	-2.360
322	1309	-.214	.066	-.022	-.524

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
322	2260	-.073	.028	.045	-.170
322	2355	-.113	.050	.052	-.593
324	1222	-.637	.234	.048	-3.408
324	1229	-.640	.253	.070	-2.469
324	1230	-.645	.283	.110	-2.597
324	1237	-.578	.276	.106	-2.636
324	1244	-.444	.259	.203	-2.290
324	1309	-.224	.067	-.017	-.585
324	2260	-.070	.028	.059	-.162
324	2355	-.120	.062	.099	-.671
326	1222	-.650	.278	.231	-2.927
326	1229	-.639	.293	.140	-2.823
326	1230	-.643	.315	.144	-3.146
326	1237	-.545	.293	.101	-2.765
326	1244	-.450	.248	.098	-2.194
326	1309	-.220	.066	-.003	-.551
326	2260	-.065	.031	.080	-.178
326	2355	-.128	.077	.101	-.712
328	1222	-.655	.294	.090	-3.073
328	1229	-.651	.300	.091	-3.622
328	1230	-.653	.319	.091	-3.700
328	1237	-.583	.287	.052	-2.318
328	1244	-.471	.276	.039	-2.213
328	1309	-.223	.071	.001	-.619
328	2260	-.062	.033	.083	-.182
328	2355	-.141	.089	.133	-.789
330	1222	-.637	.272	-.032	-2.684
330	1229	-.632	.319	.006	-3.293
330	1230	-.638	.344	.082	-3.265
330	1237	-.535	.295	.096	-3.219
330	1244	-.430	.246	.119	-2.356
330	1309	-.223	.073	.001	-.620
330	2260	-.062	.036	.095	-.175
330	2355	-.158	.105	.129	-1.053
332	1222	-.629	.297	-.039	-2.380
332	1229	-.622	.320	-.009	-3.894
332	1230	-.625	.342	.170	-3.798
332	1237	-.536	.289	.087	-2.891
332	1244	-.447	.244	.093	-1.926
332	1309	-.229	.079	-.006	-.729
332	2260	-.062	.039	.106	-.202
332	2355	-.180	.115	.166	-.964
334	1222	-.555	.266	.232	-2.647
334	1229	-.535	.280	.062	-3.726
334	1230	-.538	.291	.167	-2.810
334	1237	-.478	.277	.065	-3.254
334	1244	-.414	.211	.169	-1.753
334	1309	-.247	.086	.067	-.643
334	2260	-.061	.041	.118	-.224
334	2355	-.190	.126	.149	-1.149

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
336	1222	-.532	.264	.104	-3.710
336	1229	-.498	.268	.016	-3.443
336	1230	-.505	.283	.081	-2.627
336	1237	-.445	.254	.278	-3.521
336	1244	-.393	.198	.047	-2.366
336	1309	-.257	.091	.031	-.691
336	2260	-.066	.040	.108	-.243
336	2355	-.189	.126	.109	-1.210
338	1222	-.518	.243	.033	-2.669
338	1229	-.478	.251	.101	-3.090
338	1230	-.484	.262	.165	-2.169
338	1237	-.427	.220	.106	-2.074
338	1244	-.378	.188	.052	-2.078
338	1309	-.281	.096	-.012	-.650
338	2260	-.066	.041	.152	-.289
338	2355	-.199	.133	.171	-1.196
340	1222	-.485	.220	.043	-1.891
340	1229	-.454	.236	.025	-2.827
340	1230	-.461	.247	.040	-2.525
340	1237	-.409	.180	.073	-1.849
340	1244	-.387	.166	.010	-1.828
340	1309	-.306	.101	-.019	-.782
340	2260	-.068	.041	.080	-.232
340	2355	-.197	.137	.127	-1.150
342	1222	-.452	.181	.019	-1.751
342	1229	-.430	.190	.058	-1.924
342	1230	-.437	.202	.083	-1.857
342	1237	-.413	.173	.051	-1.603
342	1244	-.402	.149	-.025	-1.523
342	1309	-.316	.100	-.010	-.720
342	2260	-.063	.041	.092	-.211
342	2355	-.189	.129	.135	-.873
344	1222	-.419	.156	-.012	-2.188
344	1229	-.404	.133	.045	-1.774
344	1230	-.409	.138	.046	-1.731
344	1237	-.407	.121	-.110	-1.131
344	1244	-.426	.152	.089	-1.278
344	1309	-.327	.101	-.036	-.810
344	2260	-.060	.042	.064	-.223
344	2355	-.191	.139	.127	-.976
346	1222	-.415	.122	-.043	-1.174
346	1229	-.405	.117	-.093	-1.135
346	1230	-.412	.122	-.064	-1.280
346	1237	-.416	.119	-.059	-1.219
346	1244	-.418	.127	-.098	-1.150
346	1309	-.337	.097	-.026	-.719
346	2260	-.067	.041	.074	-.255
346	2355	-.196	.143	.156	-1.146
348	1222	-.383	.098	-.043	-1.277
348	1229	-.372	.094	-.025	-1.158

APPENDIX A -- PRESSURE DATA ;   CONFIGURATION B : GATEWAY PROJECT TOWERS

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
348	1230	-.379	.096	-.040	-1.122	348	1244	-.430	.127	-.031	-1.853	348	2260	-.069	.039	.057	-.241
348	1237	-.390	.102	-.089	-1.312	348	1309	-.332	.092	-.033	-.763	348	2355	-.191	.135	.179	-1.060

APPENDIX B

MEASUREMENT AND ANALYSIS OF ACCELERATION

APPENDIX B

MEASUREMENT AND ANALYSIS OF ACCELERATION

This appendix deals with the acceleration of a given floor--say the top floor--of a tall building. It is assumed that the motion occurs entirely within the horizontal x-y plane. The motion of an arbitrary two-dimensional body is indicated in Figure B-1. At any given point P(x,y) the acceleration vector $\underline{a}$ can be resolved into two orthogonal components of magnitude a_x and a_y :

$$\underline{a} = a_x \, \underline{i} + a_y \, \underline{j} \tag{B.1}$$

Two accelerometers would be both necessary and sufficient to determine the acceleration at this given point. Since the body can rotate about the point 0 (its own z-axis), however the two accelerometers are insufficient to determine the acceleration at any other point; that is, a_x, a_y, and therefore $\underline{a}$ are functions of x and y as well as of time.

The <u>entire</u> acceleration field can be specified using three variables $\ddot{x}$, $\ddot{y}$, and $\ddot{\theta}$, as shown in Figure B-2:

$$\underline{a}(x,y) = \ddot{x} \, \underline{i} + \ddot{y} \, \underline{j} + r\ddot{\theta} \, \underline{t} \tag{B.2}$$

where

$\underline{a}(x,y)$ = total acceleration at a point P(x,y) having distance $r = \sqrt{x^2 + y^2}$ from center of twist 0

$\ddot{x}$ = acceleration due to translation of body along X-axis

$\ddot{y}$ = acceleration due to translation of body along Y-axis

$\ddot{\theta}$ = angular acceleration (in radians/sec^2) due rotation of body about Z-axis (assumed center of twist)

$\underline{t}$ = unit tangent vector = $-(y/r) \, \underline{i} + (x/r) \, \underline{j}$

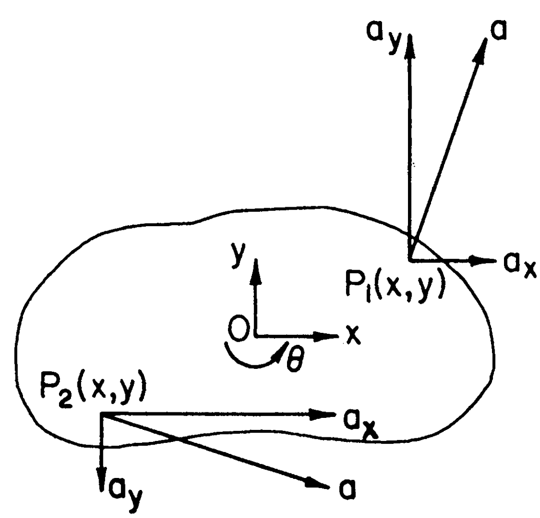

Figure B-1. Total Acceleration Vector at Various Points on a Two-Dimensional Body

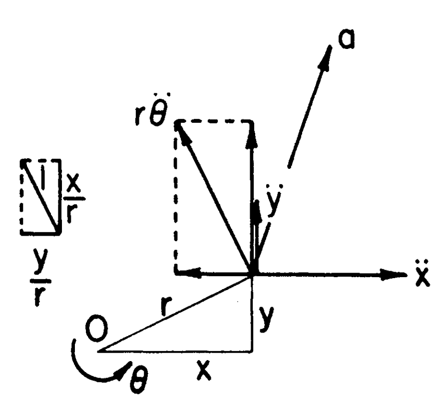

Figure B-2. Total Acceleration Vector as the Sum of Three Components in the X-Y Plane

This equation can be easily expanded to the form of Equation (B.1), which clearly indicates that a_x is due to both $\ddot{x}$, $\ddot{\theta}$, and a_y is due to both $\ddot{y}$, $\ddot{\theta}$:

$$\begin{aligned}\underline{a}(x,y) &= \ddot{x}\ \underline{i} + \ddot{y}\ \underline{j} - (y/r)(r\ddot{\theta})\underline{i} + (x/r)(r\ddot{\theta})\underline{j} \\ &= (\ddot{x}-y\ddot{\theta})\underline{i} + (\ddot{y}+x\ddot{\theta})\underline{j} \\ &= a_x\ \underline{i} + a_y\ \underline{j}\end{aligned}$$

Now the magnitude of the acceleration is given by

$$\begin{aligned}a^2 = a_x{}^2 + a_y{}^2 &= \ddot{x}^2 - 2y\ \ddot{x}\ \ddot{\theta} + y^2\ \ddot{\theta}^2 + \ddot{y}^2 + 2\ x\ \ddot{y}\ \ddot{\theta} + x^2\ \ddot{\theta}^2 \\ &= \ddot{x}^2 + \ddot{y}^2 + (x^2+y^2)\ \ddot{\theta}^2 - 2\ddot{\theta}(\ddot{x}y-x\ddot{y})\end{aligned} \tag{B.3}$$

For the current study, three accelerometers were mounted in the aeroelastic model as shown in the plan view of Figure B-3, at an elevation corresponding to the top floor. Electrical signals from the accelerometers were routed to an analog processing circuit, which instantaneously computed sums and differences of the signals as shown. Thus continuous analog signals were available proportional to $\ddot{x}$, $\ddot{y}$, and $\ddot{\theta}$.

One way to find peak total acceleration is to digitize the three records $\ddot{x}$, $\ddot{y}$, $\ddot{\theta}$, compute a according to Equation (B.3) <u>for every time sample</u>, then select the largest resulting value. This is impractical, as well as subject to statistical variability inherent in the measurement of peaks. Further, there is disagreement among researchers whether it is a_p (the peak acceleration) or σ_a (the rms acceleration) which is of significance, insofar as the human response issue is concerned. The approach taken here, therefore, is to determine σ_a directly from measurements, and then extrapolate an estimated a_p by multiplying this by a peak factor.

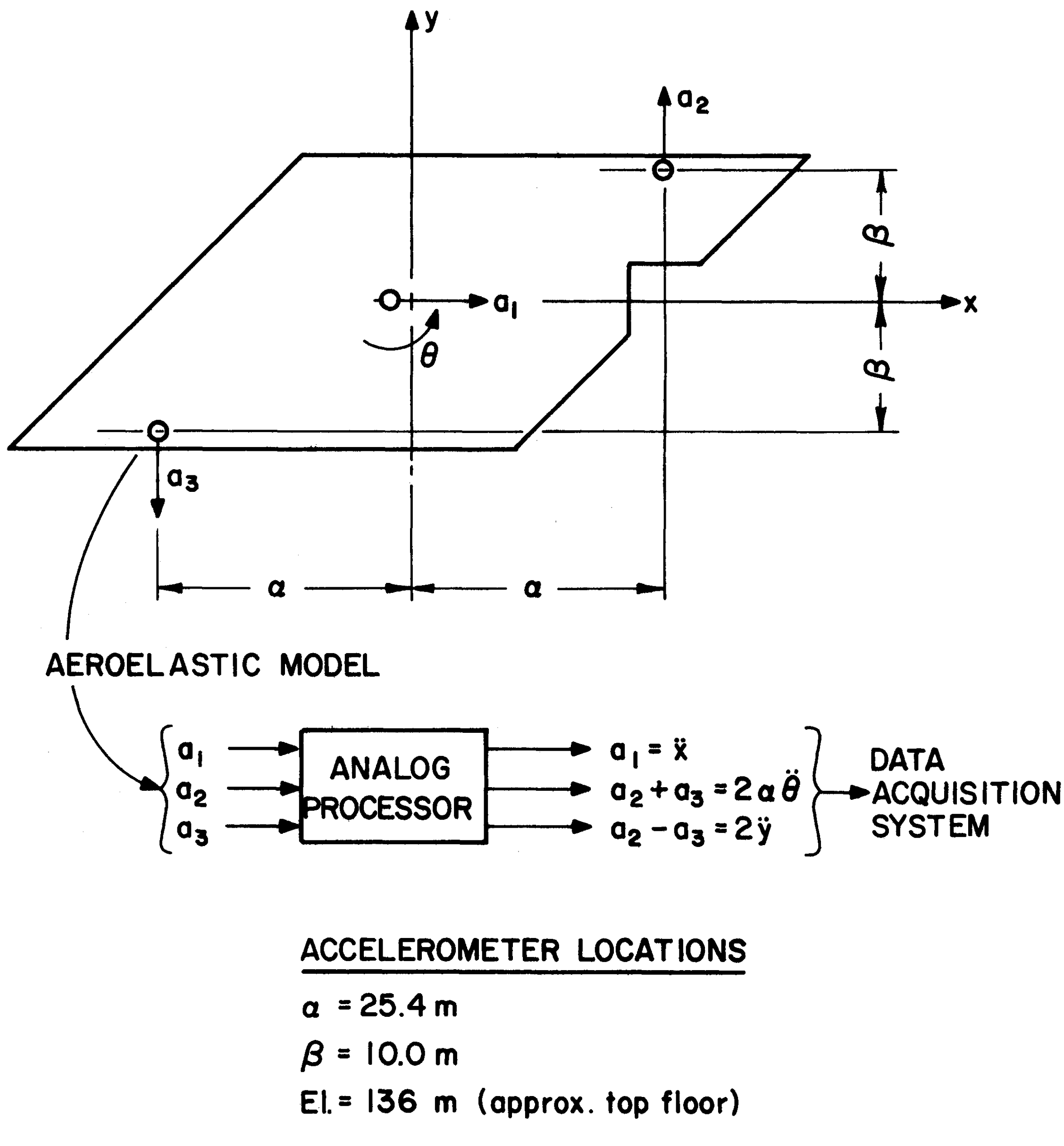

Figure B-3. Measurement of Acceleration in Aeroelastic Model

σ_a is determined by time-averaging Equation (B.3) over a period T as follows:

$$\overline{a^2} = \frac{1}{T}\int_0^T |a|^2\,dt = \frac{1}{T}\int_0^T \overline{(\ddot{x}^2 + \ddot{y}^2 + r^2\ddot{\theta}^2 - \ddot{\theta}(\ddot{x}y - x\ddot{y})}dt$$

$$= \overline{\ddot{x}^2} + \overline{\ddot{y}^2} + \overline{r^2\ddot{\theta}^2} + x\,\overline{\ddot{y}\ddot{\theta}} - y\,\overline{\ddot{x}\ddot{\theta}}$$

If the rotational motion is assumed to be independent of the translational motions, then the cross-correlations vanish, resulting in

$$\sigma_a = \sqrt{\overline{a^2}} = \sqrt{\sigma_{\ddot{x}}^{\,2} + \sigma_{\ddot{y}}^{\,2} + \sigma_{r\ddot{\theta}}^{\,2}} \qquad \text{(B.4)}$$

The three signals representing $\ddot{x}$, $\ddot{y}$, and $r\ddot{\theta}$ were digitized by the data acquisition system, and $\sigma_{\ddot{x}}$, $\sigma_{\ddot{y}}$, $\sigma_{r\ddot{\theta}}$ were computed on-line. Then σ_a is computed off-line by Equation (B.4). This is the "total vector rms acceleration" given in Table 10 and Figure 21, where r has been arbitrarily selected as the distance from the center of the building to one of the accelerometer locations, as shown on Figure B-3.