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LA THÈSE A ÉTÉ
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NON LINEARITY OF WIND ACTION AND MECHANICAL VENTILATION
ON THE PRESSURE DIFFERENTIAL AND AIR INFILTRATION
OF BUILDINGS

by

Thiam Hock Liang

A thesis submitted to the School of Graduate Studies in partial
fulfillment of the requirements of the degree of

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ABSTRACT

In this study, the effects of wind action, mechanical ventilation and their combined actions on the pressure differentials and air infiltrations of building were investigated by the simulation of a model building in the wind tunnel and by a numerical calculation.

A total of 125 sets of experiment were performed to measure the distribution of pressure differentials of the model building for different conditions of wind and mechanical ventilation. Two type of wind velocity profiles (Uniform and Shear) were also simulated. The air infiltration of the model building was then predicted for each test by a numerical model.

The experimental results of the distribution of pressure differential induced by the action of wind only are in good agreement with the results of previous experimental measurement of a full scale tall building. In the study, a non-linearity of pressure differential and air infiltration due to the combined actions of wind and mechanical ventilation was observed. The correlation of the "crack equation" with the numerical model for air infiltration calculation provides the value of flow coefficient, C , as $5.5 \times 10^{-4} \text{ m}^3/\text{s m}^2 \text{ Pa}^{0.57}$, and flow exponent, n , as 0.57 for this model building. Further analysis on the variations of flow coefficient, C , and flow exponent, n , with different hole (or crack) characteristics

were also numerically studied.

In general, the present results show that the air infiltration of a building could be confidently predicted if the hole (or crack) characteristics of the wall and the pressure differential across the building outer envelope are known.

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NOMENCLATURE

A	cross sectional area, surface area
A*	ratio of hole area to wall area
AL*	ratio of hole area to hole length
A _{wall}	area of wall per unit hole opening
C	flow coefficient of the "crack equation"
D	diameter
f	friction factor
g	gravitational acceleration
K	loss coefficient
L	length
n	flow exponent of the "crack equation"
N _h	number of hole openings
ΔP	pressure difference
Q	air flow rate, air infiltration rate
Re	Reynold number
V	velocity of air flow
V _w	wind speed

Building Symbols

N	North wall
E	East wall
S	South wall
W	West wall
I	internal, inside

Greek Symbols

ρ	density
μ	absolute viscosity
γ	specific weight
ν	kinematic viscosity
π	value at 3.1416
β	constant for Equation 5.9

Subscripts

ave	average
cr	crack
ent	entrance
ext	exit
friction	friction
h	hole
i	local
large	larger value
small	smaller value
total	total value

- v mechanical ventilation action
- w wind action
- vw combined actions of mechanical ventilation
and wind

CHAPTER I

INTRODUCTION

The calculation of energy requirements for heating plays an important role of any building design. It is required for the sizing and controlling of the heating system, as well as the estimation of the building operation cost. As a result of rapidly rising energy cost and increasing depletion of non-renewable energy resources, an accurate procedure for calculating energy losses is thus essential.

The heat losses of any building can be divided into three categories: conduction through the building envelope such as walls, ceilings, floors, etc.; fenestration such as transmission through window and door systems; and air infiltration or exfiltration. The theoretical understanding and prediction of the first two categories are relatively straight forward in principle, though often quite complicated in practice. However, the last category can be of major importance and yet the most uncertain one to be accurately calculated.

The variables that affect the phenomena of air infiltration are not only numerous, but also dependent on quantities that are difficult to measure and predict.

Air infiltration is the caused of air leakage through door and window openings; cracks around windows, door, foundation seals, wall corners, wall/ceiling and wall/floor interfaces and through the wall surface itself. Each of these parameters are influenced by the weather, the workmanship and also the condition of the building.

In early 1980, Lee and Tanaka (1981) have conducted physical measurement on the distribution on pressure differentials of a tall building. The pressure differentials as a result of wind, mechanical ventilation and stack action were recorded for a period of five months. Air infiltration rate of the building was then predicted by using the conventional "crack method". However, it was a question of whether the infiltration due to the combined action of wind and mechanical ventilation is the same as that of the linear summation of the individual action.

In this study, the distribution of pressure differential of a tall building due to wind action and mechanical ventilation is studied by model simulation in the wind tunnel. The main research objectives were set as follows:

- (1) To verify the non-linearity of wind induced air infiltration and mechanical ventilation.

(2) To correlate the flow coefficient of the general equation of air infiltration by the "crack method"

(3) To correlate the flow exponent of the general equation of air infiltration by the "crack method".

CHAPTER II

LITERATURE SURVEY

Due to the emphasis given to energy conservation of buildings, studies of air infiltration of buildings have recently received greater attention. This field of studies could be divided into two major groups. The first group deals with the physical measurement of air infiltration rate of a building, whereas the other group involves the numerical estimation and prediction of air infiltration.

2.1 PHYSICAL MEASUREMENT OF AIR INFILTRATION RATE

The method of measuring the rate of air infiltration in a building involves the use of tracer gases and its detector instruments. The most commonly used tracer gas at present is sulfur hexafluoride (SF_6). SF_6 gas could be measured to a concentration level of the order of one part per billion (ppb) in air by an extremely sensitive electron capture detector. SF_6 gas is also very stable, inert, non-flammable and most of all it is non-toxic for the concentration level used.

Harrje, Malik, Treado and Hunt (1975) have developed a compact portable automatic air infiltration measurement

system in which SF_6 tracer gas was used. The measuring system consists of an electron capture detector, a chromatograph, a SF_6 gas storage and its injection panel, and the recording unit. Tracer dilution method was used in this experiment. The decay in concentration of the tracer gas was measured as a function of time. This measuring system posed a few problem: The electron capture detector required frequent cleaning because of drift due to high sensitivity of the measurement; trace leaks in regulators, valves and connections would go unnoticed.

Kumar, Ireson and Orr (1979) have also developed an automated air infiltration measuring system using SF_6 gas as the tracer gas. This automated system consists of a Hewlett-Packard desk top programmable calculator, a SF_6 gas discharge and measuring system. The concentration levels of SF_6 were maintained at a certain part-per-billion (ppb) level in the building and were measured by a sensitive electron capture detector in conjunction with a gas chromatograph. The system was operated using both decay and constant concentration method. Air infiltration measurements in laboratory and field by both methods were reported to have an average error of 1.5% only.

Besides the above techniques of measuring air

infiltration, an optical method of measuring ventilation rate in models has been studied by Etheridge and Nolan (1979). This again involved the use of a sophisticated instrument such as the probe. The probe consists of a light emitting diode and a hybrid photo-diode amplifier detector. This method is useful for the small multi-cell measurement.

2.2 NUMERICAL ESTIMATION AND PREDICTION OF AIR INFILTRATION

Air infiltration rate cannot be easily generalized as it is affected by numerous physical and behaviour variables. At present, the method used for predicting air infiltration rate are such as the conventional "crack method" and the "air exchange method". Both methods have yet prove to provide confident prediction in air infiltration in buildings.

For example, the general equation for air infiltration through walls by ASHRAE (American Society of Heating, Refrigerating and Air Conditioning Engineering) (1978) gave air infiltration rate as:

$$Q = C(\Delta P)^n \quad (2.1)$$

where,

C = Flow coefficient.

ΔP = Pressure differential across the building envelope.

n = Flow exponent.

The values recommended for the flow coefficients, C , and flow exponent, n , were found to be over simplified and inadequate for accurate calculation of air infiltration rate of buildings. The studies done by Tamura (1979), Shaw and Jones (1979) have disclosed that different values of flow coefficients, C , are required for different type of buildings. In addition to this, the study of the dynamic characteristic of air infiltration by Hill and Kusuda (1975) have shown that the design calculation of air infiltration recommended by ASHRAE (1978), gave an air exchange rate larger than measured, particularly when the average wind speed was higher than 2.2 meter per second.

Air tightness studies of buildings were carried out by Shaw, Sander and Tamura (1973), and Howard (1978). Shaw, Sander and Tamura have studied the development of an accurate and also simple method for air leakage measurement of a tall building. This measurement was obtained by pressurizing the building with supply air system, recording both supply air flow rate and the resultant pressure differential across the wall of the building. The method of least square fitting was used to separate the wall air tightness from the overall air tightness. This result was again compared to that of a computer simulated building with specified air leakage characteristic. The

method based on the experiment measurement was found to give good agreement with the results of the computer simulation. Later, in 1977, an infrasonic method was developed by Howard for air leakage measurement of buildings.

The wind tunnel studies of wind effects on building structures have also been carried out Bowen (1976) and Kandola (1977). Bowen designed a simple rectangular building model to obtain the mean surface wind pressure coefficients for various height of building, wind speeds and wind angles. Kandola conducted a wind tunnel investigation on a simple cubic model to see the effects of various wall leakage on internal and external pressure. For a constant wind speed, the distribution of external pressure was found to be independent of the wall leakage ratio, whereas, the internal pressure coefficient varied from -0.8 to 0.8 for different front and back wall leakage ratio. These data obtained from the wind tunnel studies would provide useful information for the air infiltration estimates.

Consequently, the field of air infiltration has been expanded in areas such as the house infiltration rates calculation by Tamura (1979), air tightness and air infiltration of school building by Shaw and Jones (1979) and also the prediction of air infiltration of a tall

building surrounded by low structures of uniform height by Shaw (1979).

The main cause of air infiltration are due to the action of wind, a thermal gradient (stack effect) and mechanical ventilation. Shaw and Tamura (1979) have developed a method of calculation for air infiltration rates as a result of wind action alone and also in combination of stack action for tall buildings. They have reported that the infiltration rates caused by stack action or wind action could not be added to obtain an infiltration rate which is caused by a combination of both actions. However, the pressure differences across the wall could be approximated by the algebraic sum of pressure differences resulting from wind and stack action.

Apart from the effects of wind and stack action on air infiltration, there is also the effect of the mechanical ventilation. Hence, it is apparent that the methods of computing air infiltration rates as a result of the combination of wind/mechanical ventilation actions or stack/mechanical ventilation actions would be helpful in predicting the air infiltration rate which involves more than a single effect.

CHAPTER III

EXPERIMENTAL PROGRAM

3.1 TEST MODEL

In this experiment, a test model was designed to simulate a tall building. Figure 3.1 represents the assembly drawing of the test model. The test model consists of five sections and are described as follows:

(1) Model Building: The model building is made up of half inch thick plexi-glass. The dimensions are six inches by six inches by twelve inches (6"x6"x12") in height. The model building simulates a tall building of square shape. Figure 3.2 represents the assembly drawing of the model building itself. Photographs 3.1 and 3.2 are the close-up views of the model building mounted on its turntable.

This model building has four walls which are identified as the North, East, South and West wall. The walls are divided into three levels and on each level, there are four holes which are two millimeters in diameter. There are a total of forty-eight holes on the four walls of the model building. These holes are used for wall crack simulation.

In addition to the wall holes, external pressure

tappings are also located on every level of the outer face of the walls. Theseappings are positioned at the centre between every two wall holes. On each wall, there are nine external pressureappings, giving a total of thirty - six external pressureappings for the model building. There are also four internal pressureappings located on the inner face of the South wall. Theseappings are positioned vertically along the centre line of the wall and at four different levels. Figures 3.3 and 3.4 illustrate the positions of the wall holes and pressureappings for the model building. Each wall hole and pressureapping are individually numbered for easy reference and these are shown on Figures 3.5 and 3.6.

The pressureappings are made of 17 gauge stainless steel hypodermic tubing fitted along grooves made on the wall. The tubing is bent at an angle so that the tip would be perpendicular to the wall. Plexi-glass glue was used to secure the tubing in the grooves. A cross sectional view of the stainless steel tubing is shown in Figure 3.7. The purpose of having these stainless steel tubes in the grooves is to prevent the interference of air flow by the tubing within the model building.

A drawing of the roof and the floor of the model building is shown in Figure 3.8. The model building

has a plain roof, whereas the floor has an one inch diameter hole at its centre. A connector is glued to this hole, which connects the model building to the vacuum pump. Air could then be extracted from the model building for simulation of mechanical ventilation.

(2) Turntable: The model building is mounted on a nine inch diameter turntable. This turntable is made up of half inch thick plexi-glass with 360 degree markings on each face. The turntable with the model building were then set on to the base plates. A grip was designed to secure the turntable to the base plates from below. This would prevent the model building from tilting over in the events of heavy wind loading. The drawing of the turntable is in Figure 3.1.

(3) Base plate 1 and 2: The base plates are made up of half inch thick plywood. Base plate 1 has a nine inch diameter hole, whereas base plate 2 has an eight inch diameter hole. The difference in sizes of the holes were designed so that the model building with the turntable could be fitted and rotated freely on the plates. The drawings of the base plates are in Figure 3.1.

(4) Base Support: An aluminum angle was designed to provide support for the test model in the wind tunnel. The drawing of the base support is in Figure 3.1.

(5) Trap door: The purpose of a trap door is for

easy access to the model building in the wind tunnel. The drawing of the trap door is in Figure 3.1.

The whole assembly was then placed in the test section of the wind tunnel for wind effect simulation. Figure 3.9 illustrates the cross sectional view of the model in the wind tunnel.

3.2 WIND TUNNEL

3.2.1 Description Of The Wind Tunnel

The wind tunnel used for this experiment is located at room D006 Fluid Dynamic and Thermodynamic Laboratory, Colonel By Hall, University of Ottawa.

The wind tunnel is a low speed, open circuit system of the Eiffel type. It consists of six sections as illustrated in Figure 3.10. These sections are briefly described as follows: (The details can be found in the article by Tanaka (1980)).

(1) Entrance: There are four screens at the three feet by eight feet rectangular entrance. The screens are made up of 0.011 inch wire with 18 mesh (mesh size is 1.4 mm).

(2) Contraction: Contraction ratio of 4.0 is given to the first seven feet from the entrance. A six foot long extension of rectangular cross section (3 feet by two feet) was later constructed to develop

the air flow prior to the testing section of the tunnel.

(3) Testing Section: This section is six feet in length with a sharp edged rectangular cross section of three feet by two feet.

(4) Diffuser: The rectangular cross section of the diffuser is first converted to a regular octagon for the length of seven and a half feet and then changed to a sixteen sided polygon for the length of three and a half feet. The diffusing angle is approximately 6.5 degrees.

(5) Flexible Coupling: A flexible connection is used to minimize the vibration of the diffuser wall due to the fan.

(6) Fan: Buffalo axial flow fan, type S-54C-9 has a diameter of 57 inches. The maximum capacity of the fan is 54,000 cubic feet per minute (25.5 cu m/s) at 760 Torr and the maximum r.p.m. is 1170. The motor of the fan has a full load of 37 horse-power (hp) and is controlled by the adjustable speed magnetic drive.

3.2.2 Type Of Wind Velocity Profiles

In this experiment, two different types of wind velocity profiles were simulated in the wind tunnel: Uniform flow and Shear flow.

For the first type of wind velocity profile, the uniform flow, the floor of the wind tunnel was completely

bare. The screens at the entrance were used to obtain an uniformly turbulent flow. This form of simulation provides an uniform vertical wind loading on the windward side of the test model. Photograph 3.3 shows the test model in the wind tunnel for the uniform flow test condition.

For the second type of wind velocity profile, the shear flow, two boards (two feet by three feet) of half inch cubes (each board contains 133 cubes) were placed in the upstream of the testing section. These cubes are uniformly separated by two and a half inches apart. This would result in an increased boundary layer thickness, thus, creating a shear layer in the testing section. Besides these cubes, three sixteen inch tall spires were placed before the boards in the upstream of the testing section. The purpose of these spires was to thicken the shear layer. This type of simulation would lead to a greater wind loading at the higher levels of the test model. Photograph 3.4 shows the test model in the wind tunnel for the shear flow test condition.

3.2.3 Wind Velocity Profiles

Uniform Flow: For test condition under the uniform flow, the wind velocity at any level of the testing section were taken to be approximately equal to the mean wind speed.

$$V_z = V_g \quad (3.1)$$

where V_z = Wind velocity at height z .

V_g = Mean free-stream wind velocity.

Shear Flow: For test condition under the shear flow test, the wind velocity profile of the shear flow is usually expressed by using the conventional power law. The wind speed at any level was:

$$V_z = V_g \left(\frac{z}{z_g} \right)^\alpha \quad (3.2)$$

where z = Height above the wind tunnel floor.

z_g = Height at which the wind speed is the same as mean free-stream wind speed (38 cm).

The power exponent α obtained from measurements for this simulation was 0.34 (1/3 for atmospheric boundary layer). This value was obtained by using the linear regression line method. Figure 3.11 is the linear regression line for Equation 3.2. A sketch of a typical shear flow profile is shown in Figure 3.12.

3.3 INSTRUMENTATIONS

3.3.1 Pressure Measurement

The outlets of the stainless steel tubes at the bottom of the model building were connected to the first 40 channels of a 48 channels scanni-valve by flexible tygon tubing. Photograph 3.5 shows the connection of the tygon tubing to the scanni-valve of type 48-D3-1345

The scanni-valve was then connected to the pressure transducer. The transducer was a MKS Baraton Type 77 with a maximum pressure head of one Torr and not more than 0.1% error at full scale. The transducer and its pressure head are shown in Photograph 3.6. The static pressure tap of a pitot-static tube at the testing section of the wind tunnel was taken to be the reference pressure of the transducer. This pitot-static tube was placed near the ceiling of the wind tunnel so that the boundary layer could not affect it. A DC voltage line linked the pressure transducer to the channel 19 of the HP-Scanner of the data acquisition system. All pressure measurement were processed by this system.

3.3.2 Temperature Measurement

Two thermocouples were used for temperature measurement. One was located near the ceiling of the wind tunnel for wind temperature measurement, whereas, the other in the model building for model inside temperature measurement. Both thermocouples were "K" type (Chromel-alumel). An electric ice point reference was used for the thermocouple ice junctions. This instrument is shown in Photograph 3.7. The other ends of the thermocouples were connected to the channels 17 and 18 of the scanner respectively.

3.3.3 Mechanical Ventilation Rate Measurement

A Vacuum pump was connected to the connector under the model building by a flexible plastic tube. This vacuum pump was a 2 stage, $\frac{3}{4}$ hp and has a capacity of 14.5 cfm. This is shown in Photograph 3.8. A Brooks rotameter (tube: R-SM-25-4F range: 450cfm) as shown in Photograph 3.9 was joined to the connection between the model building and the pump for flow rate measurement. The flow of air extracted from the model building by the pump was used to simulate the rate of mechanical ventilation. The reading from the rotameter simulating mechanical ventilation rate was fed manually into the HP-Computer at the beginning of each test series.

3.3.4 Wind Velocity Measurement

The wind speed of the wind tunnel at the testing section was measured and processed by the HP-Computer at the beginning of each test, hence, the wind speed could be adjusted to meet the testing requirements. The method used to measure the wind speed was by means of dynamic pressure drop of the wind. The instruments used in conjunction to the HP-Computer were: The pitot-static tube, channel 41 of the scanni-valve, the pressure transducer and the data acquisition system.

3.3.5 Calibration Of Instrument

A calibrated scale for the rotameter provided by the manufacturer was used in this experiment. The only instrument calibration required was the calibration between the pressure transducer and the HP-Digital voltmeter. The purpose is to obtain a correlation for the pressure measurement in units of voltage (V) and units of pressure (Pa or mm Hg).

The procedures were set as follows:

- (1) First, connection was made between the pressure transducer and HP-Digital voltmeter for measuring the same pressure.
- (2) The pressure head of the transducer was then pressurized by means of hydrostatic head of water.
- (3) The measurement of this pressure was done by using both the pressure transducer and the HP-Digital voltmeter, hence, the units of measurement were in both voltage (V) and pressure (mm Hg).
- (4) Steps (2) and (3) were repeated for various range of pressure.

The results are tabulated in Table 1. A calibration line is plotted for unit of pressure versus unit of voltage as shown in Figure 3.13. Least square fitting method was used to obtain a correlation for the pressure in both units.

The correlation is,

$$\Delta P(\text{mm Hg}) = -0.00636 + 12.3665 \Delta P(\text{V}) \quad (3.3)$$

$$\Delta P(\text{Pa}) = \Delta P(\text{mm Hg}) \times 133.3224 \quad (3.4)$$

3.4 DATA ACQUISITION

3.4.1 Data Acquisition Hardware

The data acquisition system consists of a Hewlett-Packard (HP) desk top computer and four other HP instruments. Photograph 3.10 shows a complete set up of the data acquisition system. The following are brief descriptions of the data acquisition instruments:

HP 9835A Desk Top Computer: The computer has a 64K bytes memory, complete I/O capacity, a built-in tape cartridge drive for data storage on tape (217 bytes/tape) and an interactive keyboard with a cathode ray tube (CRT) display. The computer was used through out the present study; the experimental testing data acquisition, data processing, data storage and data reduction.

HP 3455A Digital Voltmeter This voltmeter has a capacity of up to 24 readings per second with 1 μV sensitivity, true RMS and has automatic calibration capability. The voltmeter was used for all pressure and temperature measurements. All measurements were in the form of DC signals from either the pressure transducer or the thermocouples.

HP 3495A Scanner: This 19 channels reference assembly is used for the purpose of scanning either the pressure or temperatures. The instrument linked all the external instruments to the data acquisition system.

HP 7245A Printer/Plotter: This instrument has the capabilities of being a printer as well as a plotter. All experimental data acquired and processed by the computer were printed out by this printer/plotter. In addition, this printer/plotter was extensively used during the data reduction.

HP 98035 Real Time Clock: The real time clock connected to the computer was used as a real time reference as well as a trigger mechanism. Besides being used to trigger the digital voltmeter at certain time interval for data acquisition, it was also used to set the system on idle for stabilization of the pressure transducer.

3.4.2 Data Acquisition Software

A data acquisition program was specially designed for the model testing in the wind tunnel. The sequences of the program were as follows:

Phase 1: Initial set up of the program: initializing all the variables, arrays and also addressing the instruments.

Phase 2: Branching routine for all error encountered, instrument malfunction and clock triggering.

Phase 3: Setting for data storage: a file name for data storage of the test undergoing was fed into the computer.

Phase 4: Wind speed and room temperature measurement: the scanni-valve was set at the channel 41 for wind pressure measurement and temperature was scanned by the channel 18 of the scanner. Each measurement was the average of 20 readings for a time interval of 10 seconds.

Phase 5: All test parameters such as wind angle, mechanical ventilation rate, type of flow and location of openings were fed into the computer manually.

Phase 6: In this execution phase, the computer would start by first measuring the two temperatures: inside and outside temperature of the model building. The computer would then measure the 40 pressure drops in sequence. Each measurement was the average of 20 readings for a time period of 10 seconds, and a 10 seconds idling time for the pressure transducer to be stablized. All of these measurement were performed by the system automatically except for the operation of the scanni-valve from Channels 1 to 40.

Phase 7: After all data had been acquired, the

data were processed and stored in the magnetic tape. In addition, a hardcopy printout of the processed data was provided through the printer.

Phase 8: This was the final phase of the program, the system would either start a new test or stop and end at the request of the operator.

The flow chart and the listings of this data acquisition program could be found in Appendix A.

3.5 EXPERIMENTAL PROCEDURES

3.5.1 Simulation Of The Wind Effect

The study of wind action on the pressure differential and air infiltration of building was simulated by placing the model in the wind tunnel for various wind loadings. In this simulation, the connector connecting the model building to the vacuum pump was sealed off. Hence, the resulting pressure drops across the wall were solely due to the effect of wind action.

Several testing conditions were set for this type of simulation, and the testing parameters were set as follows:

- (1) Four different ranges of mean wind speed at the testing section of the wind tunnel: 5, 7.5, 10 and 12.5 m/s.

- (2) Two type of wind velocity profiles: Uniform

and shear flow.

(3) Various wind angle: varying from 0 to 360 degrees, every 10 degrees increment for wind speed at 10 m/s and was set at 0 degree for the other wind speed.

For the above testing parameters, a total of 98 tests were performed. All experimental data were acquired through the data acquisition system. Data were stored in the magnetic tape and the printouts in tabulated form could be found in Appendix B.

3.5.2 Simulation of Mechanical Ventilation

The simulation was performed with the aid of a vacuum pump. No wind loading was required for this simulation. The connector connecting the model building to the vacuum pump was set open. The vacuum pump was used to extract air from the model building for the simulation of mechanical ventilation action. The flow rate of air leaving the model building was controlled by the by-pass valve of the pump and was readout from the rotameter. The resulting pressure drops across the wall were taken to be due to the effect of mechanical ventilation action.

In this simulation, different ranges of ventilaiton rates were set: 90, 120, 150, 180 and 210 cfh. All data were stored in tape and the tabulated test results can be found in Appendix C.

3.5.3 Simulation Of The Combined Of Wind And Mechanical Ventilation Effects

This simulation involved the use of both wind loading in the wind tunnel and the vacuum pump; the combination of the above two simulations. The model was again tested for various testing conditions. The test parameters were as follows:

- (1) Four different ranges of wind speed: 5, 7.5, 10 and 12.5 m/s.
- (2) Two type of wind velocity profile: Uniform and Shear.
- (3) Various wind angle: varying from 0 to 60 degrees only. Every 15 degrees increment for wind speed at 10 m/s and mechanical ventilation rate at 180 cfh. Wind angle set at 0 degree for the other test parameters.
- (4) Range of mechanical ventilation rate: ranging from 90 to 210 cfh. Every 30 cfh increment for wind speed at 10 m/s and was set at 180 cfh for the other test parameters.

In this simulation, a total of 19 series of test were performed. The test data were stored in tape and the tabulated test results are in Appendix D.

CHAPTER IV

EXPERIMENTAL RESULTS AND REDUCTIONS

4.1 EFFECT OF WIND

4.1.1 Pressure Differential

In this experiment, the distribution of the pressure of the model building induced by the action of wind was obtained for several testing conditions. The pressure coefficients C_p or C_{p_w} that are presented in the results, are related to the dynamic pressure head of the wind in free stream. These pressure coefficients are defined as follows:

$$C_p = \frac{P - P_i}{\frac{1}{2} \rho V_w^2} \quad (4.1)$$

$$\text{and } C_{p_w} = \frac{P - P_r}{\frac{1}{2} \rho V_w^2} \quad (4.2)$$

where P = Building external wall surface pressure.

P_i = Building internal pressure.

P_r = Reference static pressure measured in free stream.

ρ = Density of air.

V_w = Mean wind speed at the testing section of the wind tunnel.

Since the shape of the building is square, it is expected that a symmetrical pressure distribution should occur at the side walls of the building. Figures 4.1 and 4.2 represent the plan views of the external pressure distribution at the second level of the building. The data are taken from wind speed at 10 m/s, wind angle at both 0 and 45 degrees, and for both uniform and shear flow. The illustrations from these figures have confirmed the occurrence of the symmetrical pressure distribution over the East and West walls of the building at 0 degree.

Besides this symmetrical pressure distribution, the external pressure of the building due to the action of wind has the following general properties: the flow approaching the building is deflected by the front facing surface and separates completely at the sharp corner edges. Thus, this leads to a large wake which surrounds the side and rear surfaces of the building. This is a direct consequence of the fluid flow which is unable to undergo the very large acceleration required to follow the surface of the corners. Hence, this give rise to a positive pressure over the windward side of the building and a negative pressure over the leeward side of the building.

For a zero degree wind angle, the external pressures at the North wall are positive with maximum pressure

occurring at the stagnation point. The magnitude of the pressure is reduced as it approaches the edges of the wall. The stagnation point for the case of uniform flow profile occurs at the lower level of the building, whereas it takes place near the top level of the building for the case of shear flow profile. The difference in location of these stagnation points is due to the reduction in kinetic energy of the shear flow near the floor of the wind tunnel.

The negative pressures occurring at the East and West walls of the building are due to the flow separation at the corners of the North wall. The magnitude of the negative pressure is dictated by the prevailing pressure at the point of separation. For the South wall of the building, the pressure is negative at the higher level and slowly decreases in suction as it approaches the lower level of the building. The magnitude of the negative pressure is relatively small when compared to those occurring at the sides. This is due to the result of the shear along the edge of the wake which causes a return flow toward the building at the rear. For certain cases, the lower pressure at the point of separation leads to a positive pressure at the lower level of the rear of the building. This phenomena usually happens for the case of the shear flow profile and this is shown in Figure 4.3.

Figures 4.3 and 4.4 are the average vertical view and plan view of the pressure coefficient (C_{p_w}) distribution for wind speed at 10 m/s respectively.

The internal pressure of the building is directly affected by the distribution of the external pressure as well as the number and location of the wall holes. The internal pressure is negative (suction) for all ranges of wind speed when the wall holes are left open. However, it becomes positive when the wall holes opening are restricted to the front and rear walls of the building.

For non-zero wind angles, the external pressure varies according to the changes in the wind direction. Figure 4.5 illustrates the variation of the external pressure coefficient and wind angle for both uniform and shear flow profiles. Both graphs have the trend similar to the measurement on square building done by Tachikawa (1969), and Lee and Tanaka (1981). The two graphs also clearly distinguish the differences in magnitude of the external pressure for uniform flow and shear flow profiles. The lower magnitude of the external pressure of the shear flow is due to the decrease in kinetic energy of the shear layer.

The variation of the internal pressure with wind angle is shown in Figure 4.6. The figure reveals that this variation behaves very similar to the trigonometry

wave function. The period for a complete cycle is 90 degrees. This strongly suggests that the internal pressure is a direct dependent of the distribution of external pressure and the direction of the wall holes opening to the wind.

The pressure differential across the wall is the difference between the external pressure and the internal pressure of the building. Figure 4.7 and 4.8 are the graphs of the pressure differentials, external pressure and the internal pressure of the building for uniform flow and shear flow profiles, respectively. Since the computation of the air infiltration of the building is based on the pressure differential across the wall, the correlation between the pressure differential and wind angle may be significant. The method of polynomial regression line is applied for the correlation. The regression lines for the four walls of the building and for both uniform and shear flow profiles are shown in Figure 4.9 and 4.10. The best fit is obtained with the second degree polynomial. Table 4.1 lists a set of second degree polynomial equations for the pressure differentials of the building as a function of wind angle.

4.1.2 Air Infiltration

The air infiltration or exfiltration of a building is determined by the distribution of the pressure

differential across the outer wall. A positive pressure differential across the wall would definitely lead to the air flow through wall holes into the building, and this is referred to as air infiltration. Whereas, a negative pressure differential would result in the reverse process, which is called the air exfiltration. The magnitude of either air infiltration or exfiltration is also stipulated by the extend of the pressure differential across the wall. The relationship of air infiltration and pressure differential is shown in Figures 4.11 and 4.12.

In this experiment, for a zero degree wind angle, the air infiltration induced by the action of wind takes place at the windward side and exfiltrates through the leeward side of the building. The difference in air infiltration between the uniform flow profile and the shear flow profile are: air infiltration occurs at the rear wall of the building for the case of shear flow and air exfiltration occurs for the case of uniform flow. However, the effect of this infiltration or exfiltration is negligible as compared to the infiltration or exfiltration of the other three walls of the building. In addition to the difference in air infiltration, a greater air infiltration or exfiltration (air exchange in the building) takes place in the uniform flow than in the shear flow.

In section 4.1.1, it was clearly shown that the pressure differentials vary with wind speed as well as the wind angle, hence it was anticipated that the air infiltration should also be a function of wind speed and wind angle. It is well understood that an increase in wind speed would lead to a greater pressure drop across the wall, hence resulting a greater air infiltration. Figure 4.13 illustrates the dependence of air infiltration to wind angles. The data for this graph is taken from the average air infiltration over the North wall of the building.

The method of calculating air infiltration rate is explained in detail in the next chapter. However, Appendix E contains a list of tabulated tables of air infiltration or exfiltration rates through each wall hole.

4.2 EFFECT OF MECHANICAL VENTILATION

4.2.1 Pressure Differential

The effect of air extracted from the building by the vacuum pump resulted in a negative pressure (suction) in the building. Since there is no partition in the building, this negative pressure should be the same at all levels. Experimental data also reveals that the external pressures of the walls of the building are not being affected by the amount of suction in the building

which is generated by the vacuum pump. Hence, for the effect of mechanical ventilation action (suction by the vacuum pump), the same pressure drops resulted at the four walls of the building. In addition, the resulting pressure drops across the wall due to the effect of mechanical ventilation action are always positive in our sign convention for different ranges of mechanical ventilation rates.

4.2.2 Air Infiltration

Since the pressure drops across the four walls are positive and the same in magnitude, the same amount of air infiltration is induced through each wall hole of the building. The extend of this infiltration depends on the magnitude of the suction pressure in the building. Figure 4.14 illustrates the pressure drops across the walls as well as the air infiltration due to the action of mechanical ventilation.

The air infiltration rates through each hole of the wall of the building have been calculated for different ranges of mechanical ventilation rates. The tabulated results are given in Appendix F.

4.3 EFFECTS OF BOTH WIND AND MECHANICAL VENTILATION ACTIONS

4.3.1 Non-linearity Of Pressure Differential

The distribution of the external pressure of the building induced by the combined actions of wind and mechanical ventilation has a very similar effect as to the external pressure induced by the action of wind only. However, the internal pressure increases in suction due to the action of mechanical ventilation. The result of this large magnitude of suction in the building causes the positive pressure drops across the four walls of the building and with a greater pressure drops over its front face.

Using the distribution of the pressure differential induced by the combined actions, as well as the knowledge of the pressure differential due to the individual action (Sections 4.1.1 and 4.2.1), a comparison could be made between the pressure differential due to the effects of combined actions and the linear summation of the pressure differentials due to the effect of the individual action. The comparison between these pressure differentials are illustrated in Figure 4.15. The solid (green) lines represent the pressure differentials due to the combined actions, and the dotted (red) lines represent the linear summation of the pressure differentials due to the individual actions. This drawing positively shows the existence of the non-linearity of the pressure differential induced by wind action and mechanical ventilation. That

is, the linear summation of the pressure differentials due to the wind action alone and mechanical ventilation action alone cannot be taken to be the equivalent of the pressure differential resulted from the combined of both actions.

The differences in term of percentage vary from 5 to 30% according to the difference in the testing conditions. However, these percentage deviations have the following general behaviors:

- (1) The percentage deviation is greater in the shear flow profile than in the uniform flow profile.
- (2) The percentage deviation increases in magnitude with a decrease in the mechanical ventilation rate.
- (3) A greater in percentage deviation occurs in the wake region, especially for the side walls of the building at zero degree wind angle.
- (4) The percentage deviation also increases for non-zero degree wind angle.
- (5) the effect of wind speed on the percentage deviation is relatively small.

The above behaviors of the percentage deviation clearly show that it is a function of the wake size, mechanical ventilation rate and also the direction of the wall holes to the wind.

Appendix H contains a list of the tabulated

results for the comparison of pressure differentials and its percentage deviations for each wall hole. The listing of the computer program for this analysis can be found in Appendix A.

4.3.2 Correlation For The Pressure Differential

Since the pressure differential across the wall induced by the action of wind varies with wind angle, the pressure differential induced by the combined actions of wind and mechanical ventilation also depends on the wind direction. This leads to a correlation made between pressure differential and the wind angle for the combined actions. The method of polynomial fitting is again applied for this correlation, and the regression lines are shown in Figures 4.16 and 4.17. The correlated second degree polynomial equations for the pressure differentials are given in Table 4.2.

Knowing the existence of the non-linearity of pressure differentials, it is desirable to obtain a correlation between the pressure differential due to the combined actions and the pressure differentials due to the individual actions. The best fit for this correlation is achieved by the method of linear regression line. The regression lines for the correlation are shown in Figure 4.18 and 4.19 for both cases of uniform and shear flow profiles respectively.

The correlated equations are as follows:

Uniform Flow:

$$\Delta P_{vw} = \Delta P_{large} \left[1.0685 + 0.9842 \left(\frac{\Delta P_{small}}{\Delta P_{large}} \right) \right] \quad (4.3)$$

$$\text{for, } 1.0 > \frac{\Delta P_{small}}{\Delta P_{large}} > 0.1$$

$$\Delta P_{vw} = \Delta P_{large} \left[1.0145 + 0.8675 \left(\frac{\Delta P_{small}}{\Delta P_{large}} \right) \right] \quad (4.4)$$

$$\text{for, } -0.05 > \frac{\Delta P_{small}}{\Delta P_{large}} > -0.8$$

Shear Flow:

$$\Delta P_{vw} = \Delta P_{large} \left[1.0547 + 1.0776 \left(\frac{\Delta P_{small}}{\Delta P_{large}} \right) \right] \quad (4.5)$$

$$\text{for, } 1.0 > \frac{\Delta P_{small}}{\Delta P_{large}} > 0.01$$

$$\Delta P_{vw} = \Delta P_{large} \left[1.0350 + 0.8469 \left(\frac{\Delta P_{small}}{\Delta P_{large}} \right) \right] \quad (4.6)$$

$$\text{for, } -0.05 > \frac{\Delta P_{small}}{\Delta P_{large}} > -0.5$$

where, ΔP_{vw} = Pressure differential induced by the combined actions of wind and mechanical ventilation.

ΔP_w = Pressure differential induced by the action of wind only.

ΔP_v = Pressure differential induced by the action of mechanical ventilation only.

ΔP_{small} = Smaller value of ΔP_w and ΔP_v .

ΔP_{large} = Larger value of ΔP_w and ΔP_v .

4.3.3 Non-linearity Of Air Infiltration

The resulting positive pressure differentials distribution give rise to air infiltration into the building from the four walls, and with a greater magnitude in air infiltration at the front wall. The tabulated results of air infiltration rates through each hole due to the combined actions of wind and mechanical ventilation are in Appendix G.

The non-linearity of pressure differential induced by wind and mechanical ventilation leads to the analysis of the non-linearity of air infiltration due to these two actions. Figure 4.20 shows a comparison made for the verification of the non-linearity of air infiltration. The figure also distinctively shows the increase in the percentage deviation of the air infiltration rates.

The variation of the percentage deviation of air infiltration is 5 to 50% with greater deviation over the front and side walls of the building. The percentage deviation at the rear wall of the building is relatively negligible.

4.3.4 Correlation For Air Infiltration

Since non-linearity also exists for air infiltration due to the action of wind and mechanical ventilation, a set of correlated equations is obtained for the air infiltration due to these actions. In the correlation,

the best fit is achieved with the use of the exponential regression method. The exponential regression lines for the air infiltration are shown in Figure 4.21 and 4.22 for both uniform and shear flow profiles, respectively. The correlated equations are as follows:

Uniform Flow:

$$Q_{vw} = Q_{large} \left[1 + 2.3932 \times 10^{-2} \exp \left(2.2150 \frac{Q_{small}}{Q_{large}} \right) \right] \quad (4.7)$$

for, $0.5 > \frac{Q_{small}}{Q_{large}} > 0.1$

Shear Flow:

$$Q_{vw} = Q_{large} \left[1 + 2.3612 \times 10^{-2} \exp \left(3.1014 \frac{Q_{small}}{Q_{large}} \right) \right] \quad (4.8)$$

for, $0.5 > \frac{Q_{small}}{Q_{large}} > 0.1$

where, Q_{vw} - Infiltration rate due to combined of both actions of wind and mechanical ventilation.

Q_w - Infiltration rate due to the action of wind.

Q_v - Infiltration rate due to mechanical ventilation.

Q_{small} - Smaller value of Q_w and Q_v .

Q_{large} - Larger value of Q_w and Q_v .

CHAPTER V

NUMERICAL ANALYSIS FOR AIR INFILTRATION RATE

5.1 GENERAL DESCRIPTION

The amount of air flow through the hole of the wall is calculated on the basis of the total pressure losses across the hole. The pressure losses are determined by three factors: friction loss due to the inner surface of the hole; losses at the entrance and at the exit. Applying the definitions for the losses, we obtain;

Friction Loss:

The Darcy Weisbach equation for friction loss,

$$\Delta P_{\text{friction}} = \gamma f \frac{L}{D} \frac{v^2}{2g} \quad (5.1)$$

Entrance Loss:

The method of sudden contraction for entrance loss,

$$\Delta P_{\text{ent}} = K_{\text{ent}} \gamma \frac{v^2}{2g} \quad (5.2)$$

with K_{ent} taken as 0.5* for a very large ratio of contraction.

Exit Loss:

The method of sudden expansion for exit loss,

$$\Delta P_{\text{ext}} = K_{\text{ext}} \gamma \frac{v^2}{2g} \quad (5.3)$$

with K_{ext} taken as 1.0* for a very large expansion ratio.

The resulting pressure drop across a single hole of the wall is,

$$\begin{aligned} \Delta P_h &= \Delta P_{friction} + \Delta P_{ent} + \Delta P_{ext} \\ &= \gamma f_h \frac{L_h}{D_h} \frac{V_h^2}{2g} + (K_{ent} + K_{ext}) \gamma \frac{V_h^2}{2g} \end{aligned} \quad (5.4)$$

Using the laminar flow friction factor equation, and assuming a fully developed* flow through the hole,

$$f = \frac{64}{Re} \quad (5.5)$$

where,

$$Re = \frac{VD}{\nu} \quad (5.6)$$

The pressure drop across the hole of the wall of Equation 5.4 can now be rewritten as,

$$\Delta P_h = 32 \rho \nu \frac{L_h}{D_h^2} V_h + 0.75 V_h^2 \quad (5.7)$$

In addition, applying the relationship for the length and diameter of the wall hole,

Fully developed* flow is defined as $L_h > 0.056 D_h Re$ for $Re > 500$.

$K_{ent} = 0.5$, $K_{ext} = 1.0$ * are valid for turbulent flow.

Hole Area to Length Ratio (AL*):

$$AL^* = \frac{\frac{\pi}{4} D_h^2}{L_h} \quad (5.8)$$

Equating Equation 5.7 with Equation 5.8, this would lead to an equation for the velocity of air flow through the hole as,

$$V_h = \beta \left[\frac{-8 \rho v \pi \frac{1}{AL^*} + \sqrt{(8 \rho v \pi \frac{1}{AL^*})^2 + 4(0.75\rho)|\Delta P|}}{1.5 \rho} \right] \quad (5.9)$$

The value of β in the above equation is defined as,

$\beta = 1$ for all positive pressure drops (ΔP).

$\beta = -1$ for all negative pressure drops (ΔP).

The velocity of air flow through the hole of Equation 5.9 can be calculated if the pressure drop across the hole and the hole characteristics (AL^*) are both known.

Knowing the velocity of air flow through the hole, the amount of air infiltration through the hole can be calculated by,

$$Q_h = V_h \times A_h \quad (m^3/s) \quad (5.10)$$

The total amount of air infiltration through each wall can be calculated by applying an additional wall hole characteristic. This wall hole characteristic is,

Hole Area to Wall Area Ratio (A*):

$$A^* = \frac{A_h}{A_{wall}} \quad (5.11)$$

where A_h is the cross sectional area of the hole, and A_{wall} is the area of wall per unit wall hole.

The amount of air infiltration through each hole of Equation 5.10 can then be rewritten as,

$$Q_i / A_{wall} = V_i \times A^* \quad (m^3/s \ m^2) \quad (5.12)$$

And the total air infiltration through each wall is,

$$Q_{total} / A_{wall} = \sum_i^n (V_i \times A^*) \quad (m^3/s \ m^2) \quad (5.13)$$

$$\text{or } Q_{total} = A_{wall} \sum_i^n (V_i \times A^*) \quad (m^3/s) \quad (5.14)$$

The pressure drop across the hole of Equation 5.9 are obtained by averaging the two pressure drops of the two pressure taps at the same level if the hole is located in between these two tappings. For the hole located near the edge of the wall, the pressure drop of the pressure tap at the same level and closest to the hole is then taken to be the pressure drop across that hole.

The computational method described above for air infiltration or exfiltration is processed by the HP-9835A Computer. The computation time required for each test is less than a minute.

5.2 ACCURACY OF THE NUMERICAL MODEL

Having the knowledge of a numerical method for air infiltration calculation of a building, it is essential to evaluate the accuracy of this numerical analysis. The method applied for the evaluation is the comparison of experimental internal pressure and the theoretical internal pressure.

The technique of obtaining the experimental internal pressure is rather straight forward: it is the average value of the internal pressure measured experimentally at the four levels of the building, Whereas for the theoretical internal pressure, it involves a series of trial and error calculations. By applying Equation 5.9 of the previous section, and with the use of the experimental external pressure distribution, a trial value for the internal pressure is set to obtain the velocity of air flow through each hole of the wall of the building. Based on the conservation of mass flow of the building, the total air flow into the building (infiltration) should match with the total air flow out of the building (exfiltration or mechanical ventilation). However, if this is not true, a different trial value is set for the internal pressure until the conservation of mass flow is satisfied. This particular trial value of the internal pressure which satisfies the conservation of mass flow of

the building /is taken to be the value of the theoretical internal pressure.

A series of trial and error calculations for the theoretical internal pressure is again carried out by the HP9835-Computer. A listing of this program is in the Appendix A. Figure 5.1 is a graph plotted for the comparison of the experimental and the theoretical internal pressure. The graph shows an excellent agreement between the two internal pressure. In numerical values, the deviation between the two internal pressure does not exceed more than 10%.

5.3 CORRELATION FOR THE AIR INFILTRATION CALCULATION

The amount of air infiltrate into the building through the holes of the wall has been calculated by the numerical model as described in Section 5.1. Therefore, knowing the air infiltration rates as well as the pressure drops across the wall holes, the flow coefficient, C , and flow exponent, n , of the "crack equation" could then be correlated by the method of logarithmic fitting.

5.3.1 Equation For Air Infiltration Calculation

Re-writing the crack equation as,

$$Q_h = C \times A_{\text{wall}} \times (\Delta P)^n \quad (5.15)$$

where A_{wall} is the area of wall per unit wall hole.

Using the method of logarithmic fitting, Equation 5.15 in its logarithmic form is,

$$\ln(Q_h) = \ln(C \times A_{wall}) + n \times \ln(\Delta P) \quad (5.16)$$

By plotting the graph of $\ln(Q_h)$ versus $\ln(\Delta P)$, the values of the flow coefficient, C , and flow exponent, n , could be obtained from the intercept and the slope of the line drawn by the method of linear fitting. In this analysis, two type of correlations are performed: the first correlation is based on the local pressure drop across the hole, whereas the second correlation is based on the average pressure drop across the wall. The regression lines for the two correlations are shown in Figure 5.2 and 5.3. The correlated equations are as follows:

Local Pressure Drop Across The Hole:

$$Q_h = 5.5263 \times 10^{-4} \times A_{wall} \times (\Delta P)_i^{0.57} \quad (5.17)$$

Average Pressure Drop Across The Wall:

$$Q_{wall} = N_h \times 5.5674 \times 10^{-4} \times A_{wall} \times (\Delta P)_{ave}^{0.57} \quad (5.18)$$

where,

N_h - Number of holes per wall.

A_{wall} - Area of wall per hole.

ΔP_i - Local pressure drop across the hole.

ΔP_{ave} - Average pressure drop across the wall.

Equation 5.3 and 5.4 are only valid for buildings with the same characteristic of the hole as the model building of this study. The hole characteristic are,

$$AL^* = A_h / L_h = 2.4737 \times 10^{-4} \text{ m}$$

$$A^* = A_h / A_{\text{wall}} = 8.1158 \times 10^{-4} \text{ m}^2/\text{m}^2$$

Since the values of flow coefficient, C , and flow exponent, n , are being affected by the characteristic of the wall hole, a further analysis has been carried out to study the effect of the hole characteristic on the flow coefficient, C , and flow exponent, n .

A computer program has been written to calculate the numerical values of the flow coefficient, C , and flow exponent, n , for different types of wall hole characteristic (variations of A^* and AL^*). The range of the ratio of hole area to wall area varies from 1×10^{-3} to $1 \times 10^{-6} \text{ m}^2/\text{m}^2$, and the ratio of hole area to hole length varies from 1×10^{-4} to $10 \times 10^{-4} \text{ m}$. The range of pressure drops across the hole used in this computation is 10 to 210 pascals.

The study of the effects of the hole characteristic on the flow coefficient, C , and flow exponent, n , have also been expanded to more than just a single hole opening per A_{wall} . The results of these analysis are presented in the next two sections on the flow coefficient, C , and flow exponent, n .

5.3.1 The Flow Exponent, n .

The value of the flow exponent varies with the ratio of hole area to hole length (AL^*). It is not a function of the ratio of hole area to wall area (A^*). Figure 5.4 illustrates the relationship of the flow exponent, n , with AL^* . The range of flow exponent, n , varies from 0.5 to 1.0 which agrees with the range of flow exponent, n , outlined in ASHRAE (1978). However, this graph also provides the value of flow exponent, n , for any value of AL^* . For an increase in AL^* , the flow exponent, n , decreases and reaches a minimum value of 0.5 for a very large ratio of AL^* .

The variation of the flow exponent, n , with more than a single hole opening per A_{wall} is illustrated in Figure 5.5 for a fixed value of AL^* and A^* . The figure shows that an increase in the number of hole openings would lead to the increase of the value of flow exponent, n . However, the value of flow exponent is always within the range of 0.5 to 1.0.

5.3.3 The Flow Coefficient, C .

The flow coefficient, C , also varies with the ratio of hole area and hole length (AL^*) as illustrated in Figure 5.6 for a fixed ratio of hole area to wall area (A^*). The minimum value of flow coefficient, C , is zero for no hole, and its maximum value is $10.5 \times 10^{-4} \text{ m}^3/\text{s m}^2 \text{ Pa}^n$.

for a very large ratio of AL^* . In addition to the dependence of flow coefficient, C , on AL^* , it is also a function of A^* . Figure 5.7 illustrates the linear relationship of the flow coefficient, C , with A^* . More than one line is drawn for different values of AL^* .

The variation of flow coefficient, C , with more than a single hole opening is illustrated in Figure 5.8. The graph shows that the flow coefficient, C , decreases when the number of hole openings per A_{wall} increases.

CHAPTER VI

GENERAL DISCUSSIONS

The results of the distribution of pressure of the model building under the different test conditions clearly show that the pressure distribution is strongly influenced by the shape of the building, condition of the wind and the surrounding topography. The pressure distribution is also three dimensional.

The addition of the floor grids and spires leads to a thick boundary layer across the upstream of the wind tunnel. This boundary layer decreases the kinetic energy of the flow as it approaches the building, hence, resulting in a decrease in the wind loading. As compared to the uniform flow test condition, the following behaviors of the shear flow test;

- (1) The shift in the location of the stagnation point at the front facing wall,
- (2) The smaller magnitude of the pressure differential across the wall,
- (3) The smaller size of the wake region.

These have all demonstrated the effects of the boundary layer on the pressure distribution of the building.

An explanation of the existence of the non-linearity of wind action and mechanical ventilation could be: the

suction in the building decreases the size of the wake and hence, this results in a decrease in the negative pressure at the sides and rear walls of the building. The changes in the distribution of pressure at the wake region also lead to the re-adjustment of the internal pressure and the external pressure at the front face of the building. For a mass flow balance, a greater magnitude of the external pressure at the front facing wall results. Therefore, the pressure differential across the four walls of the building due to the combined actions of the wind and mechanical ventilation is always greater than the linear summation of the pressure differentials due to the individual actions.

Knowing that the driving force of air flow through hole (or crack) is the pressure drop across the hole, therefore, if non-linearity exists in air infiltration due to more than one effect, then, to be consistent, the existence of the non-linearity in pressure differentials cannot be ignored even though its percentage deviation is relatively small as compared to that of air infiltration.

The values of the flow coefficient, C , and flow exponent, n , of the model building could be directly correlated from the data of depressurization test (Appendix C - Simulation of mechanical ventilation), however, this method was not used because it cannot be applied for the study of the effects of AL^* , A^* and N_h on the flow

coefficient, C , and flow exponent, n .

The comparison made on the theoretical internal pressure and the experimental internal pressure have justified the accuracy of the numerical model used for air infiltration calculation. Hence, the flow coefficient, C , and flow exponent, n , of the crack equation which are derived from the correlation of the numerical model would provide a reliable calculation of air infiltration rate of a building. In addition to this, the almost identical value of the flow coefficients, C , and the same value of flow exponents, n , of Equation 5.17 and 5.18 reveal that the air infiltration rate could be calculated with either the local pressure drop across the hole or the average pressure drop across the wall.

Since the Equation 5.17 and 5.18 are only valid for a specific hole characteristic, the results of the analysis of the relationship of the flow coefficient, C , and flow exponent, n , with hole characteristic provide in Section 5.3 would be useful. The graphs of flow coefficient, C ; and flow exponent, n , as a function of hole characteristic supply the necessary information for calculation of air infiltration of a square building with different hole (or crack) characteristic.

CHAPTER VII

CONCLUSIONS

The investigation of the simulation of the effect of wind action, mechanical ventilation and the combined actions of wind and mechanical ventilation on the distribution of pressure differential and air infiltration of a square and tall model building in the wind tunnel have led to the following conclusions:

- (1) The linear summation of pressure differentials due to the action of wind (ΔP_w) and the mechanical ventilation (ΔP_v) cannot be taken to be the equivalent of the pressure differential due to the combined of the two actions (ΔP_{vw}).
- (2) The linear summation of air infiltrations due to the action of wind (Q_w) and mechanical ventilation (Q_v) is also not equivalent to the air infiltration due to the combined of both actions (Q_{vw}). In addition, the percentage deviation in air infiltration is very much greater than the percentage deviation in pressure differential.

- (3) For a known pressure differential across the building envelope, either local (ΔP_i) or average over the wall (ΔP_{ave}), air infiltration (Q_i or Q_{total}) can be calculated.
- (4) The "crack method" used in the present study is found to be a reliable method for air infiltration calculation. For,

$$Q = N_h \times C \times A_{wall} \times (\Delta P)^n$$

where, $n = f(AL^*, N_h/A^* \text{ and } AL^*)$

$$C = f(AL^*, A^*, N_h/A^* \text{ and } AL^*)$$

- (5) For any building, if the hole (or crack) characteristic of the wall and the pressure coefficient are known, then, air infiltration (excluding stack action) could be accurately calculated by the method presented here.
- (6) It is strongly recommended that the study should be expanded to involve the stack action of air infiltration and also for different shape and hole (or crack) characteristics of buildings.

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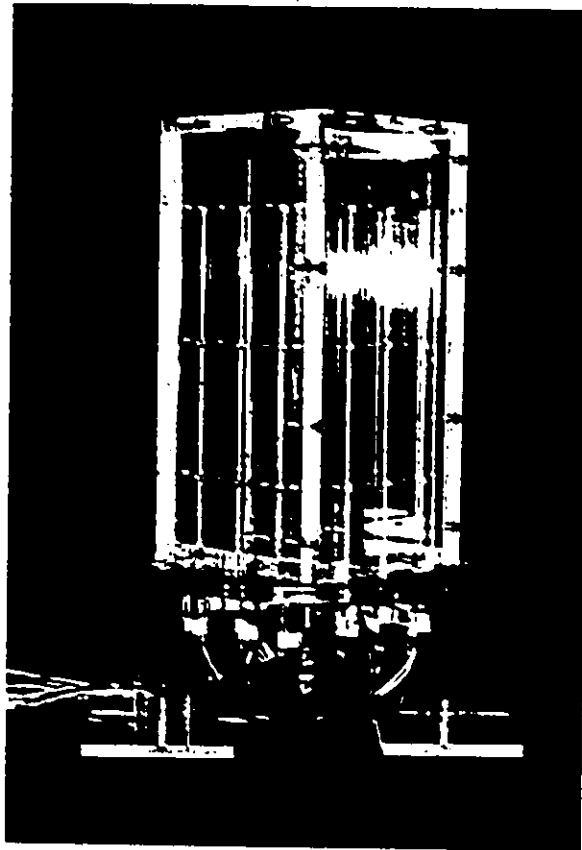


Photo 3.1 The Model Building

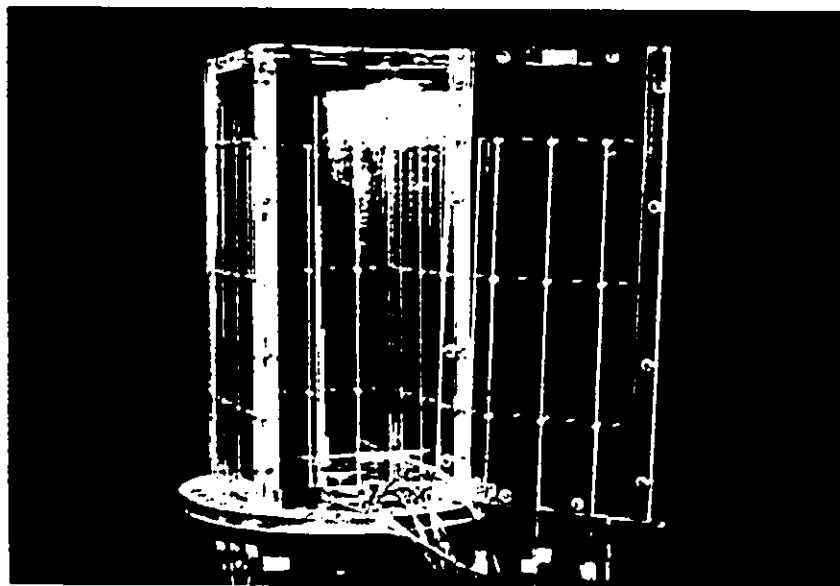


Photo 3.2 A Close Up View of the Model Building

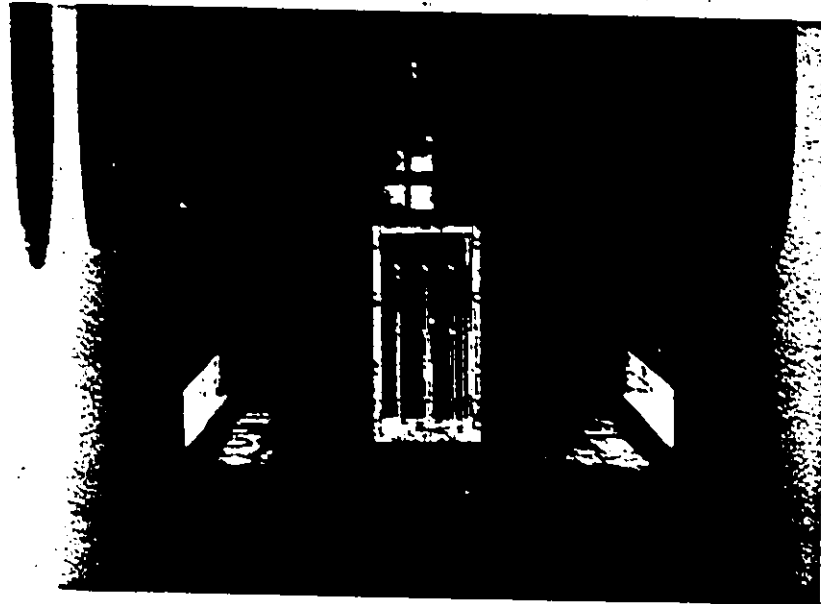


Photo 3.3 Model Building in Uniform Flow Test Condition

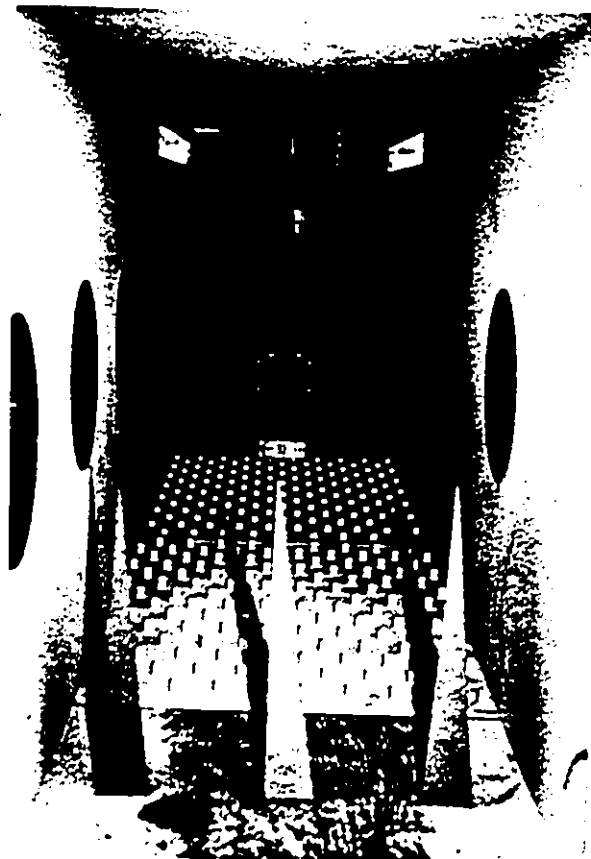


Photo 3.4 Model Building in Shear Flow Test Condition

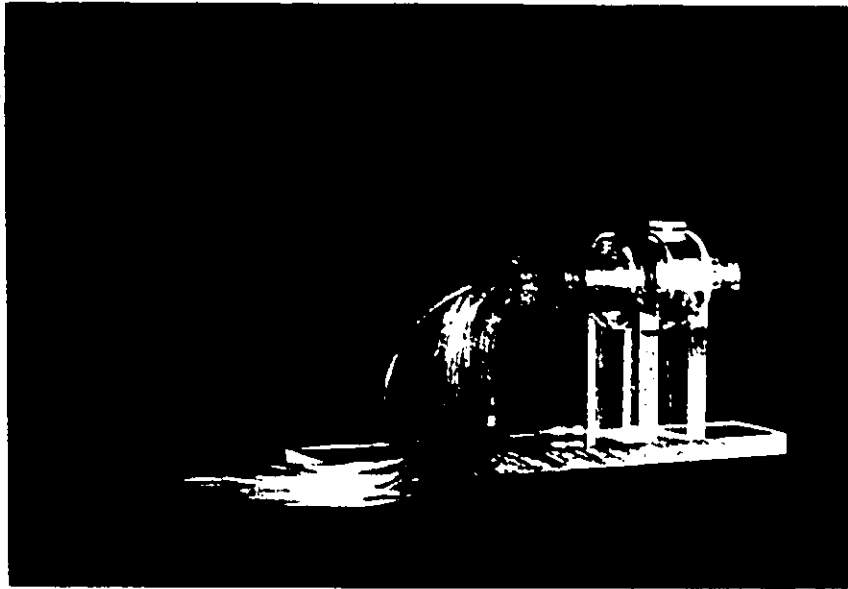


Photo 3.5 Scanni-valve

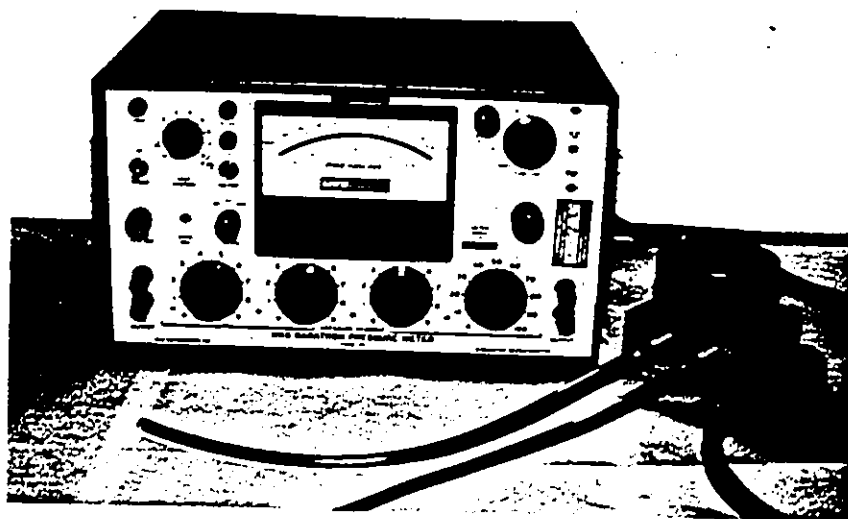


Photo 3.6 Pressure Transducer



Photo 3.7 Electric Ice Point
Reference

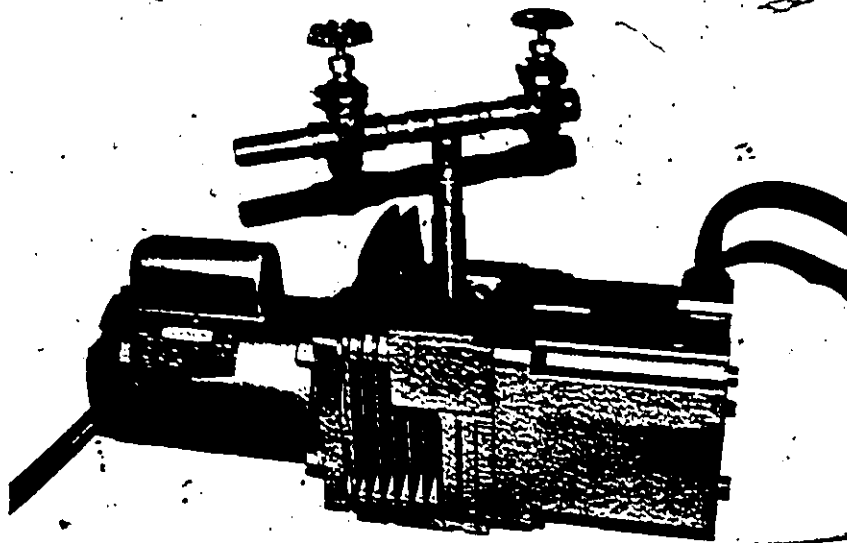


Photo 3.8 Vacuum Pump

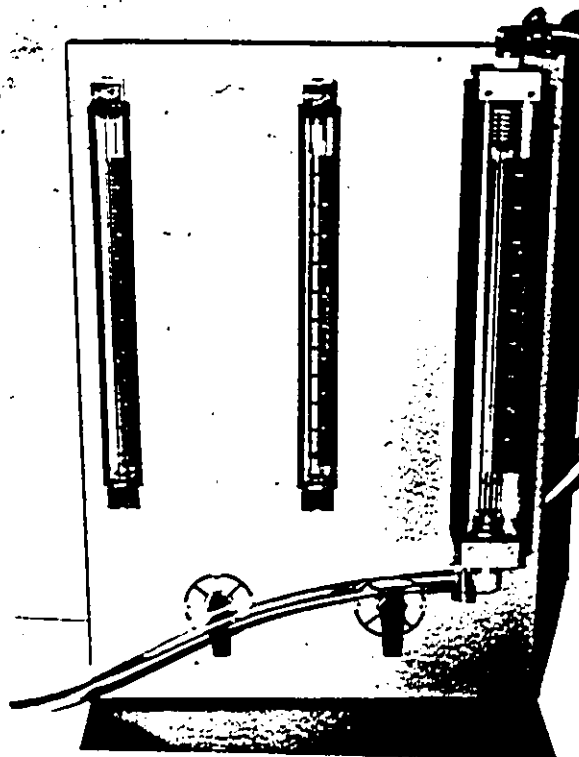


Photo 3.9 Rotameter



Photo 3.10 Data Acquisition System
(Background: Wind Tunnel)

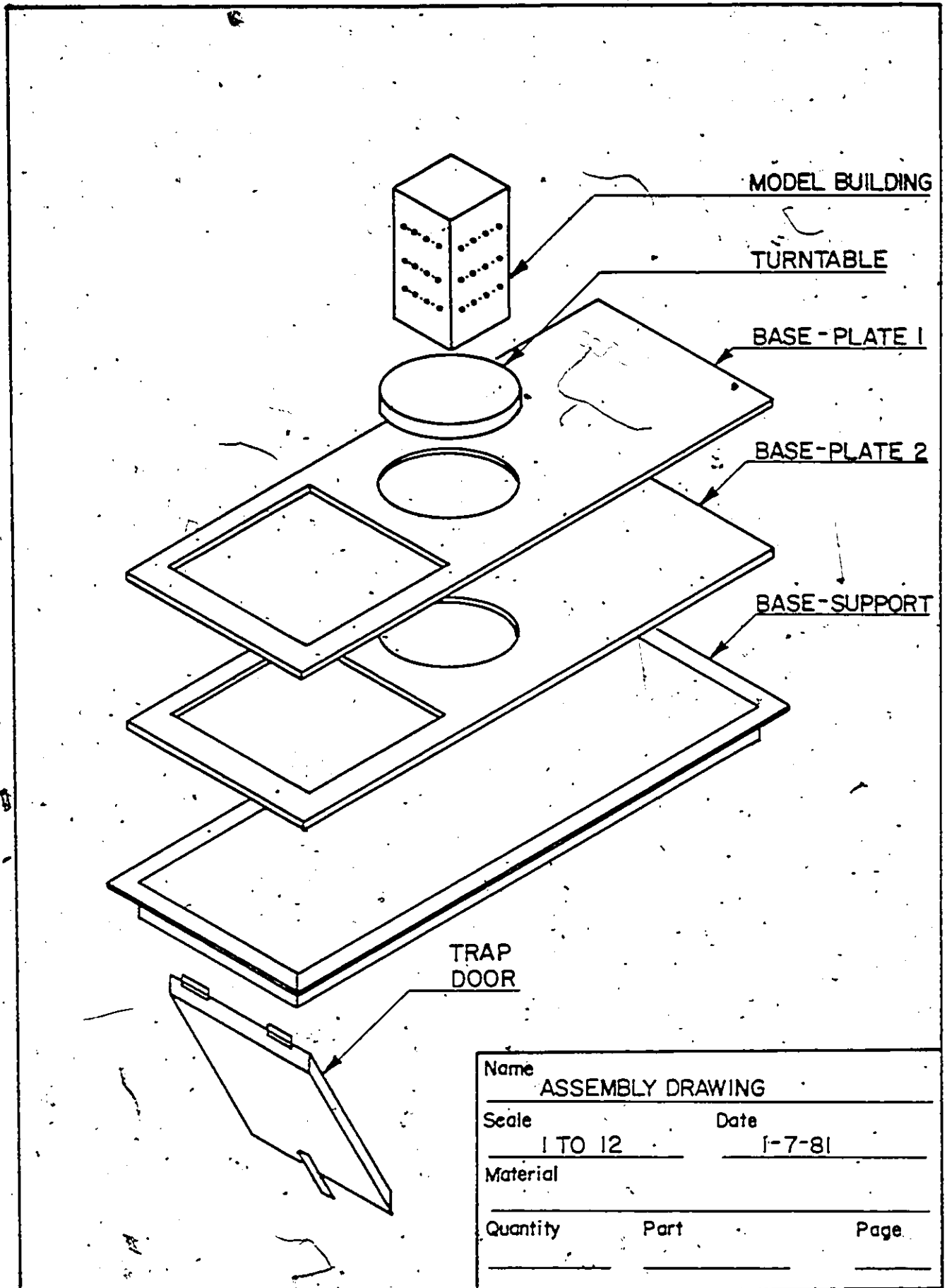
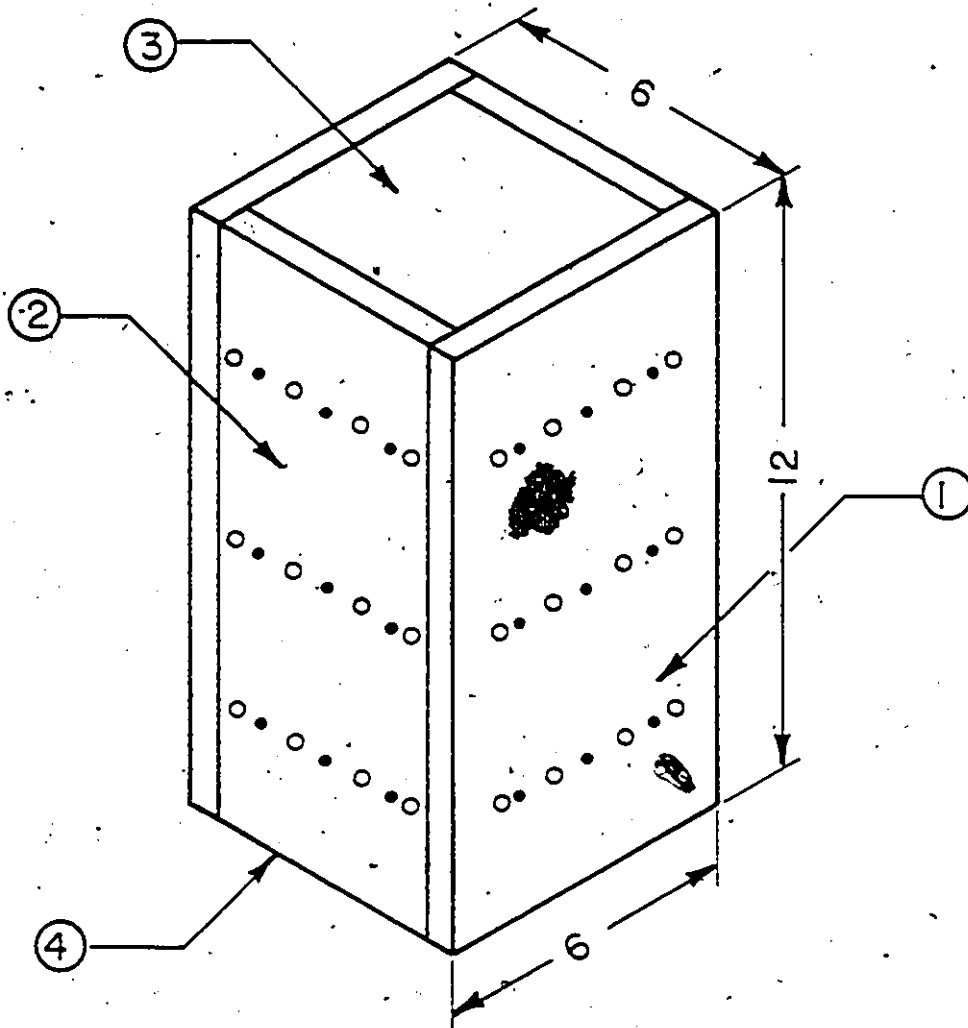


Fig 3.1 Assembly Drawing Of The Test Model

○ GAP OPENINGS*

● PRESSURE TAPS



GAP OPENINGS* is also known as HOLE OPENINGS.

Name TESTING MODEL (ASSEMBLY)		
Scale 1 TO 4	Date 1-7-81	
Material PLEXI-GLASS		
Quantity 1	Part	Page

Fig 3.2 Assembly Drawing Of The Model Building

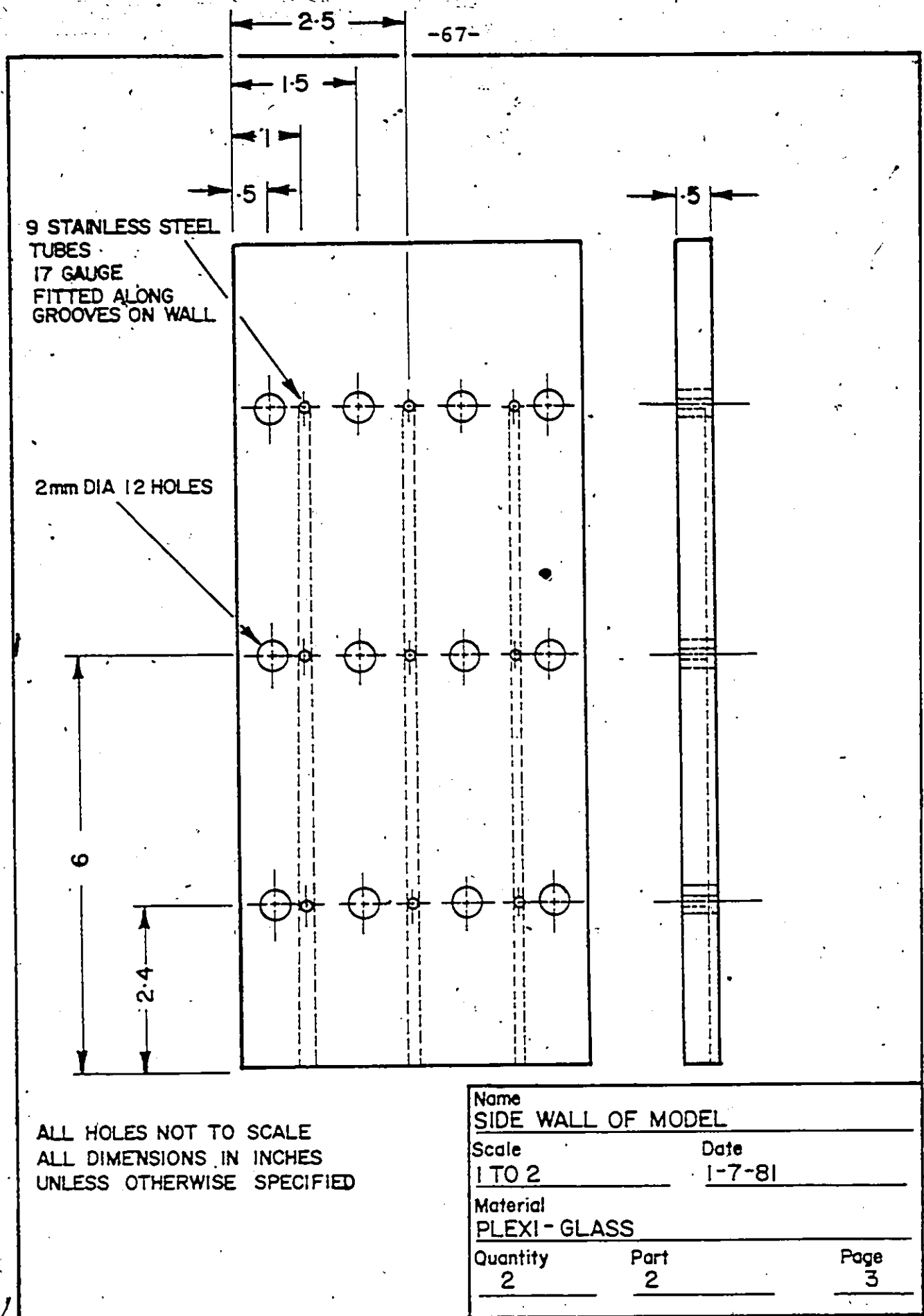


Fig 3.3 Manufacturing Drawing For The Side Walls

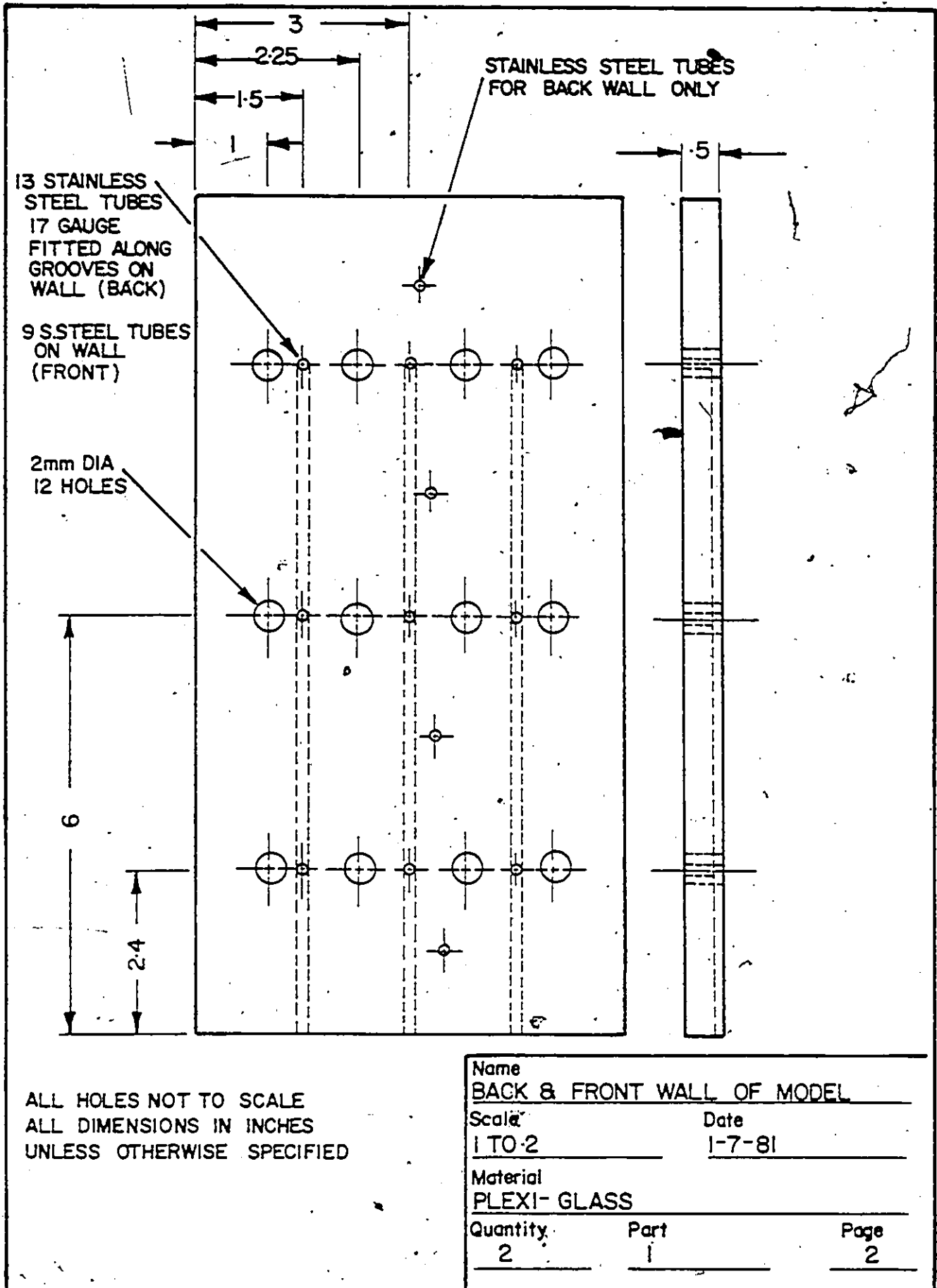
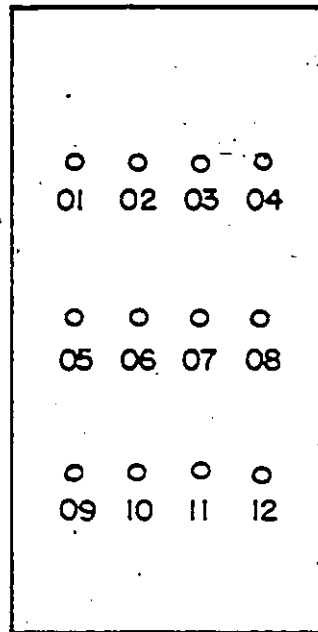
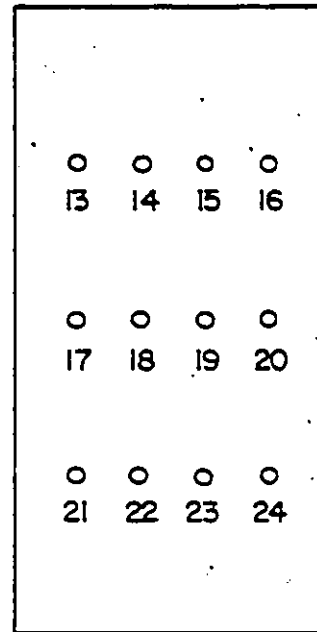


Fig 3.4 Manufacturing Drawing For The Front And Back Walls

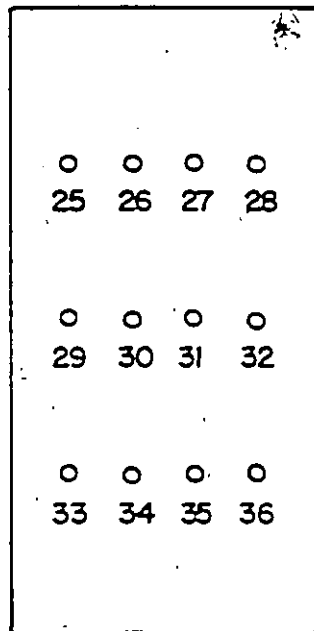
WALL GAPS* (48 2mm DIA)



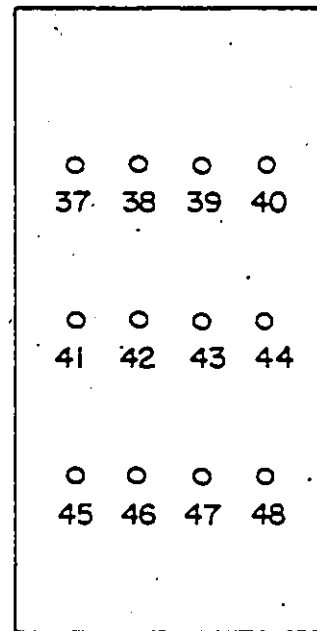
NORTH WALL



EAST WALL



SOUTH WALL

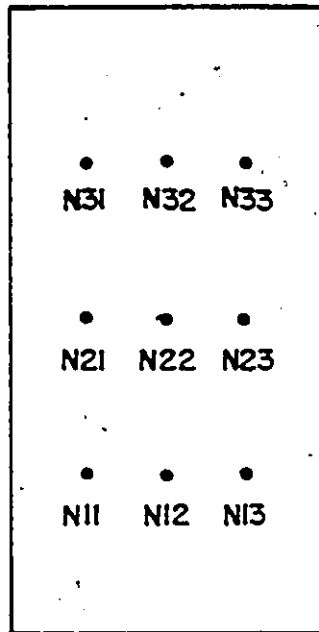


WEST WALL

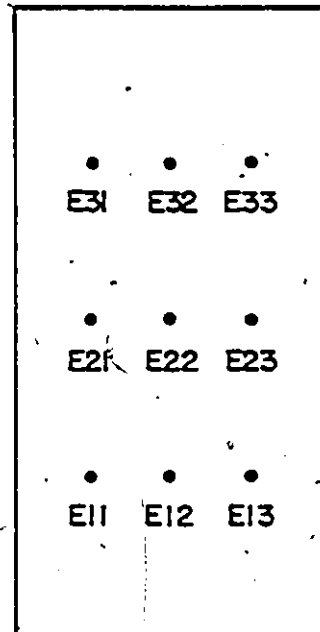
GAPS* is also known as HOLES.

Fig 3.5 Wall Holes Identifications

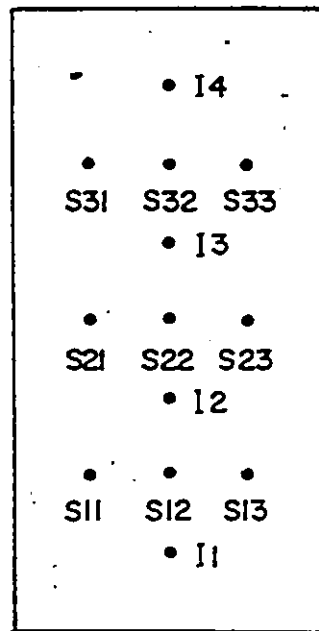
PRESSURE TAPS (36 EXTERNAL 4 INTERNAL)



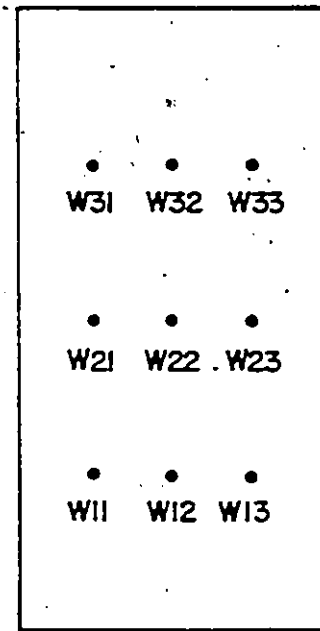
NORTH WALL



EAST WALL

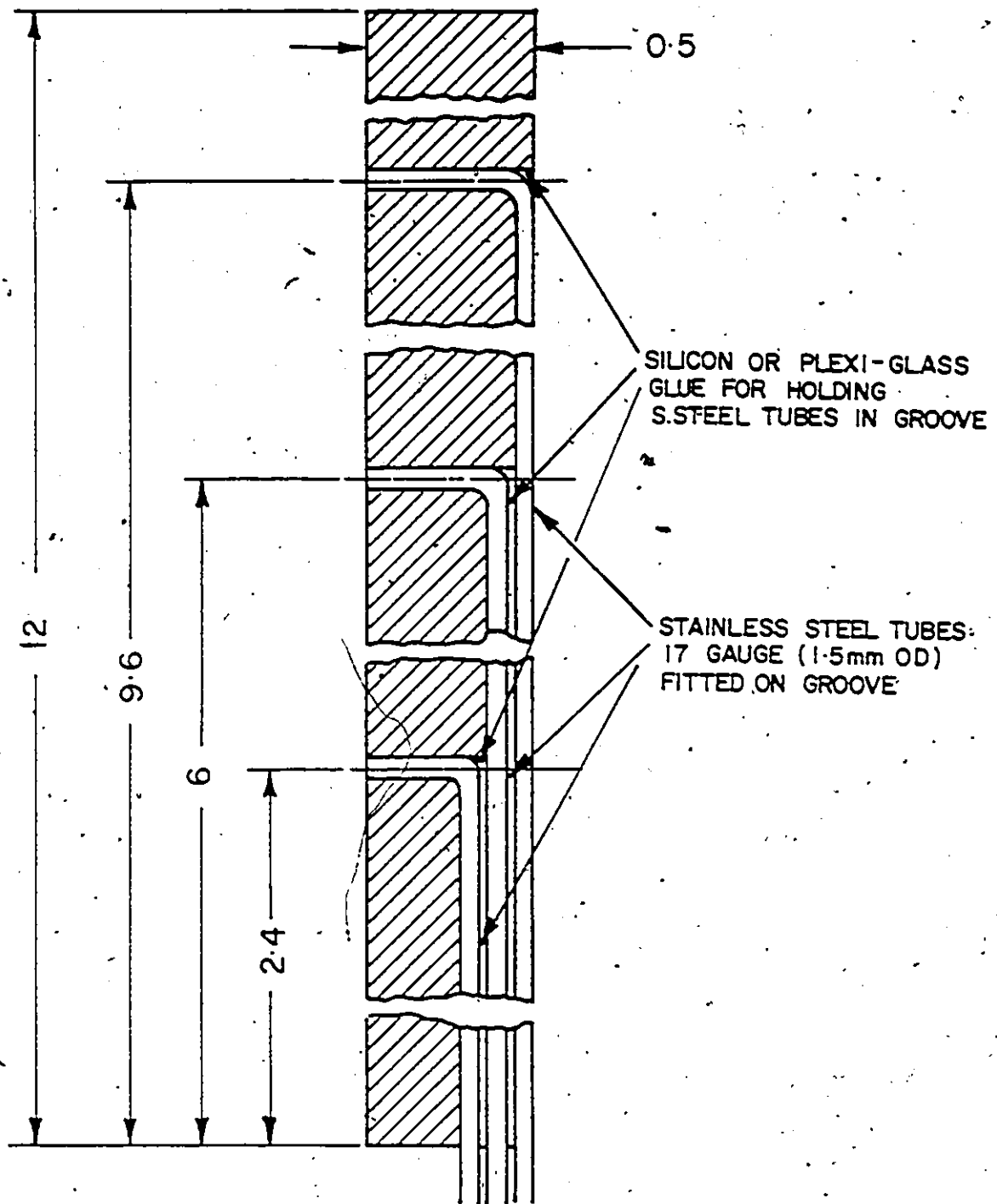


SOUTH WALL



WEST WALL

Fig 3.6 Pressure Taps Identifications



ALL DIMENSIONS IN INCHES
UNLESS OTHERWISE SPECIFIED

Name . STAINLESS STEEL TUBES FITTING (SECTIONAL VIEW)		
Scale	Date	
2 TO 1	1-7-81	
Material		
PLEXI-GLASS, S-STEEL TUBES		
Quantity	Part	Page
		5

Fig 3.7 Cross Sectional View Of The Stainless Steel
Tubes Fitting

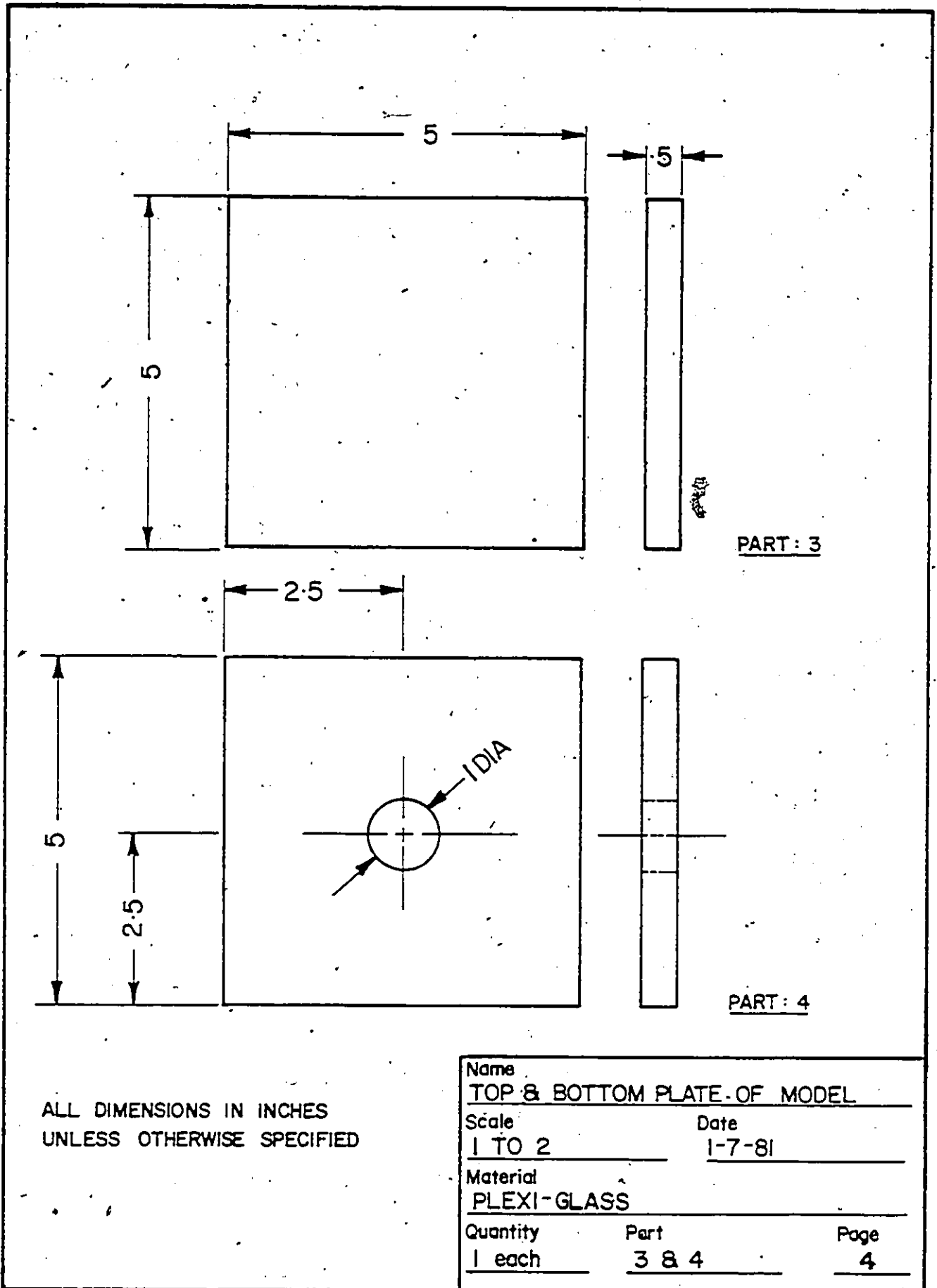


Fig 3.8 Manufacturing Drawing For The Roof And The Floor

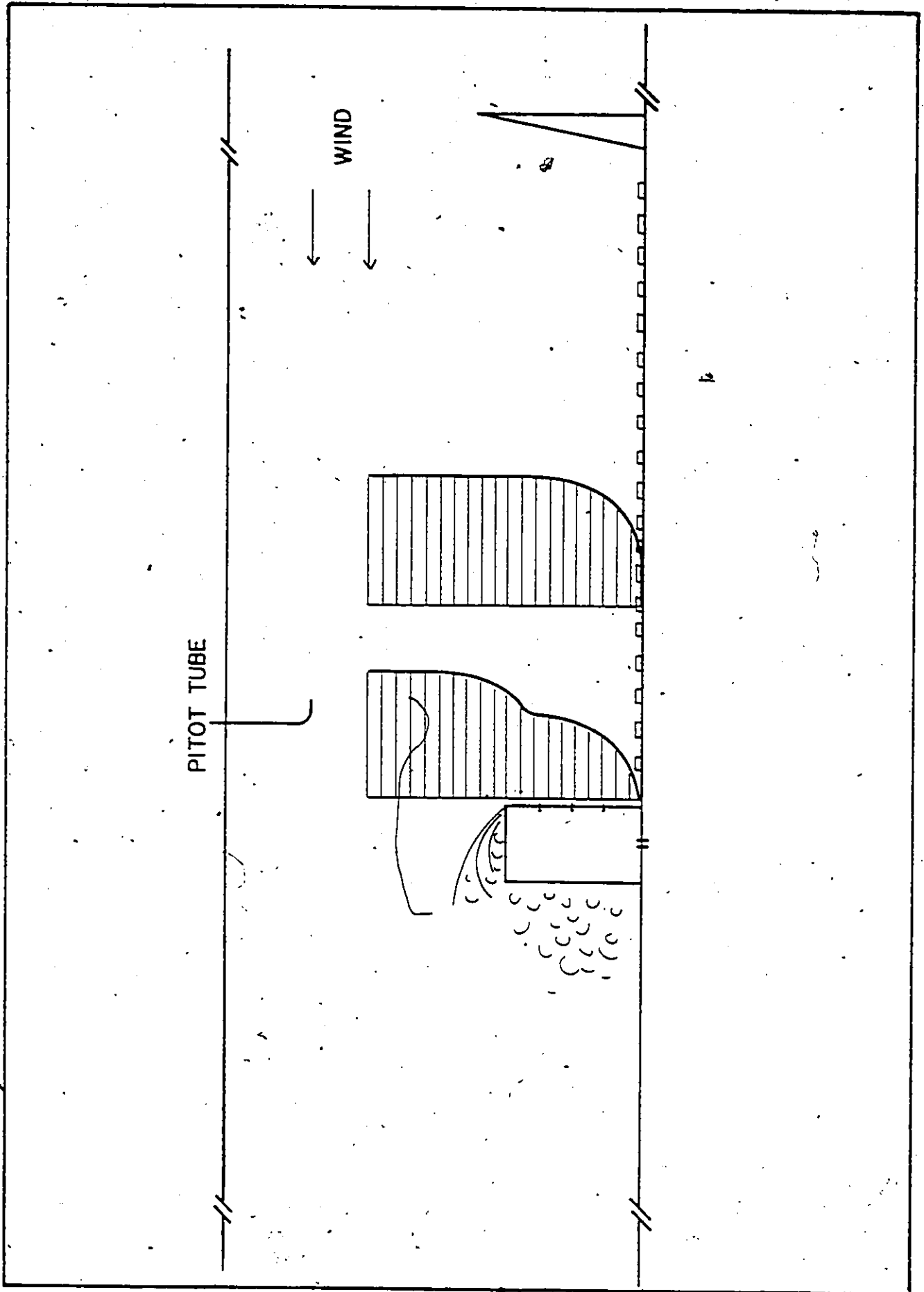


Fig 3.9 Cross Sectional View Of The Test Model In The Wind Tunnel

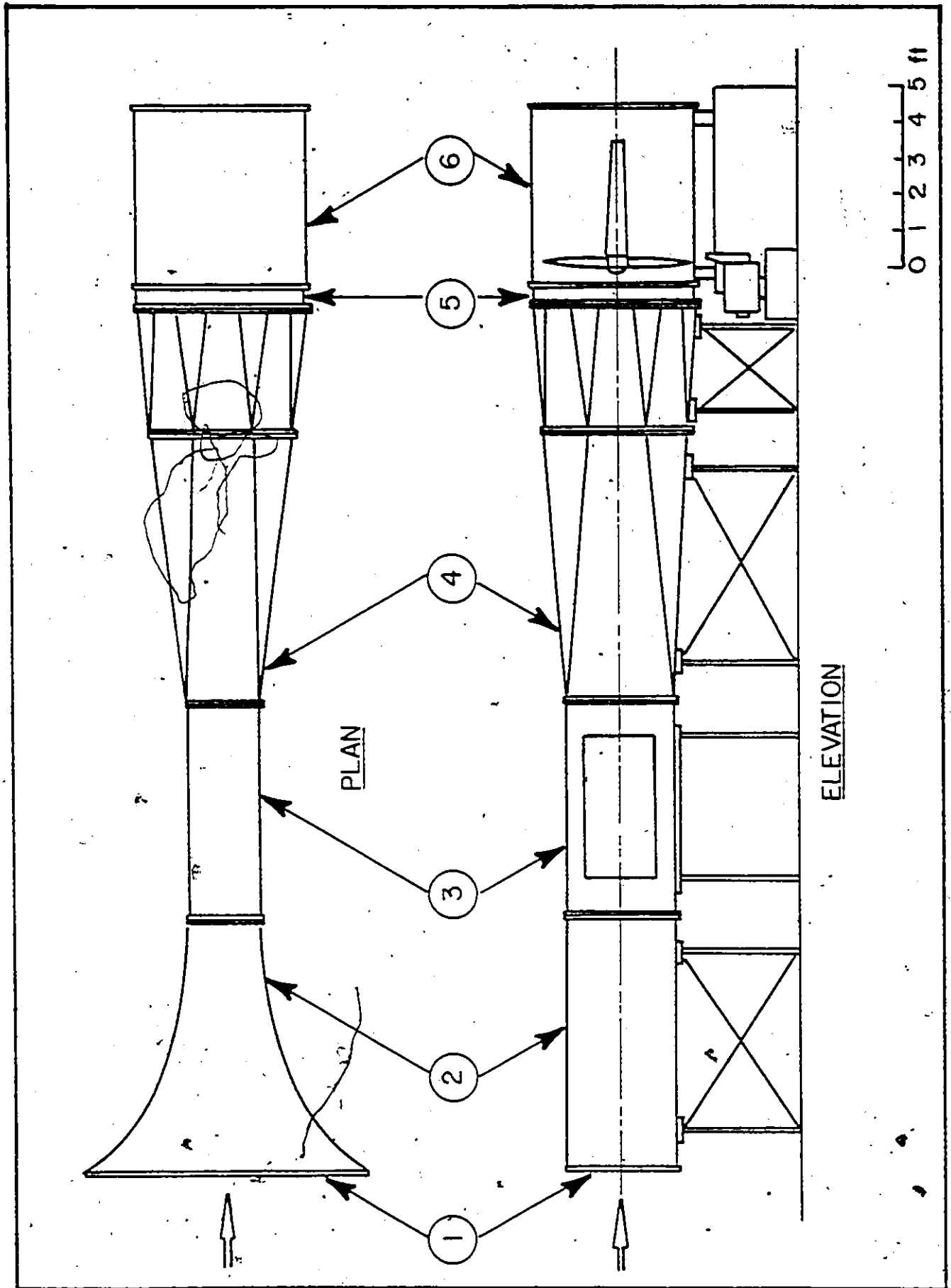


Fig 3.10 General Sketch Of The Wind Tunnel (Before Extension Installed)

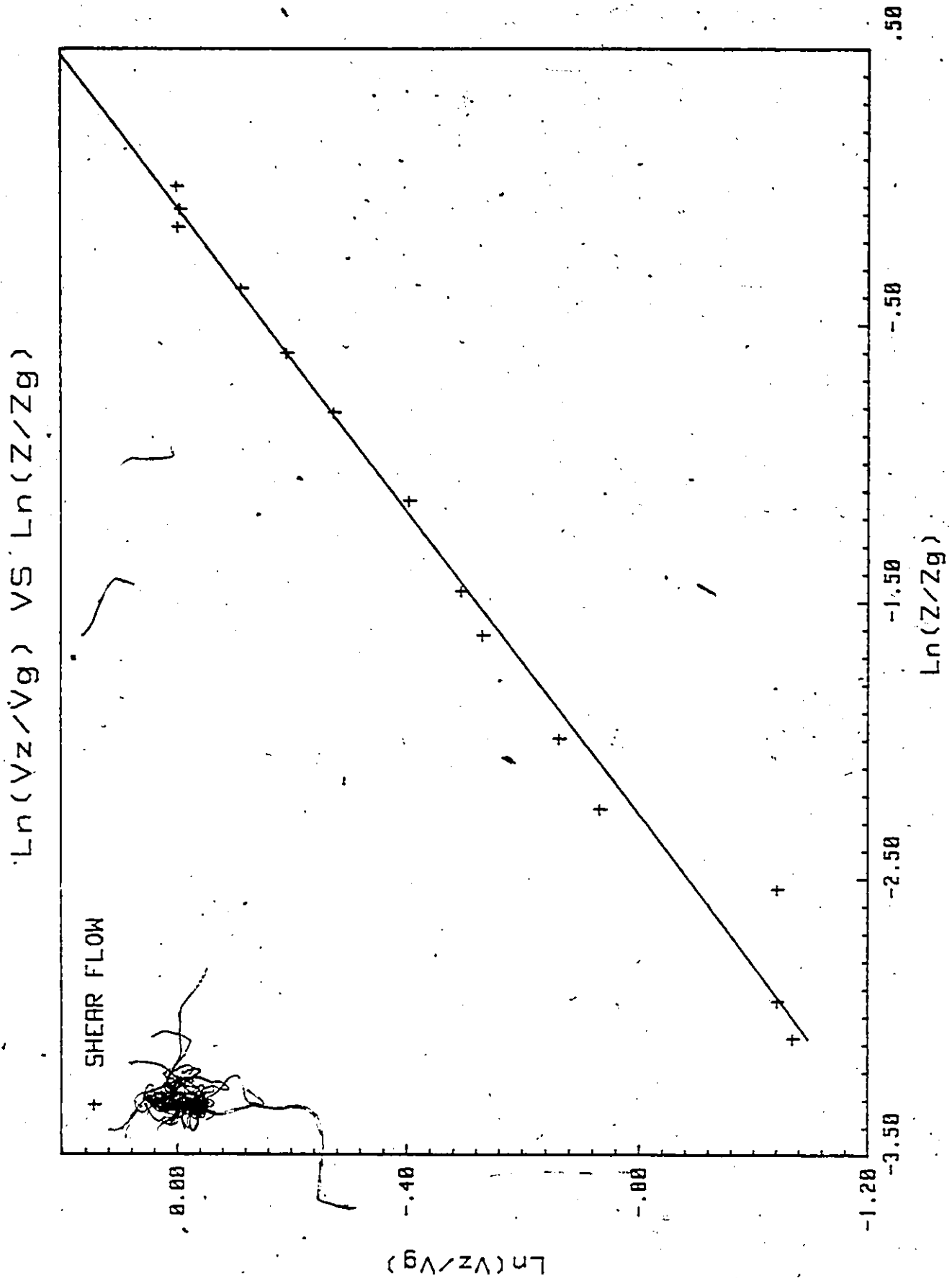
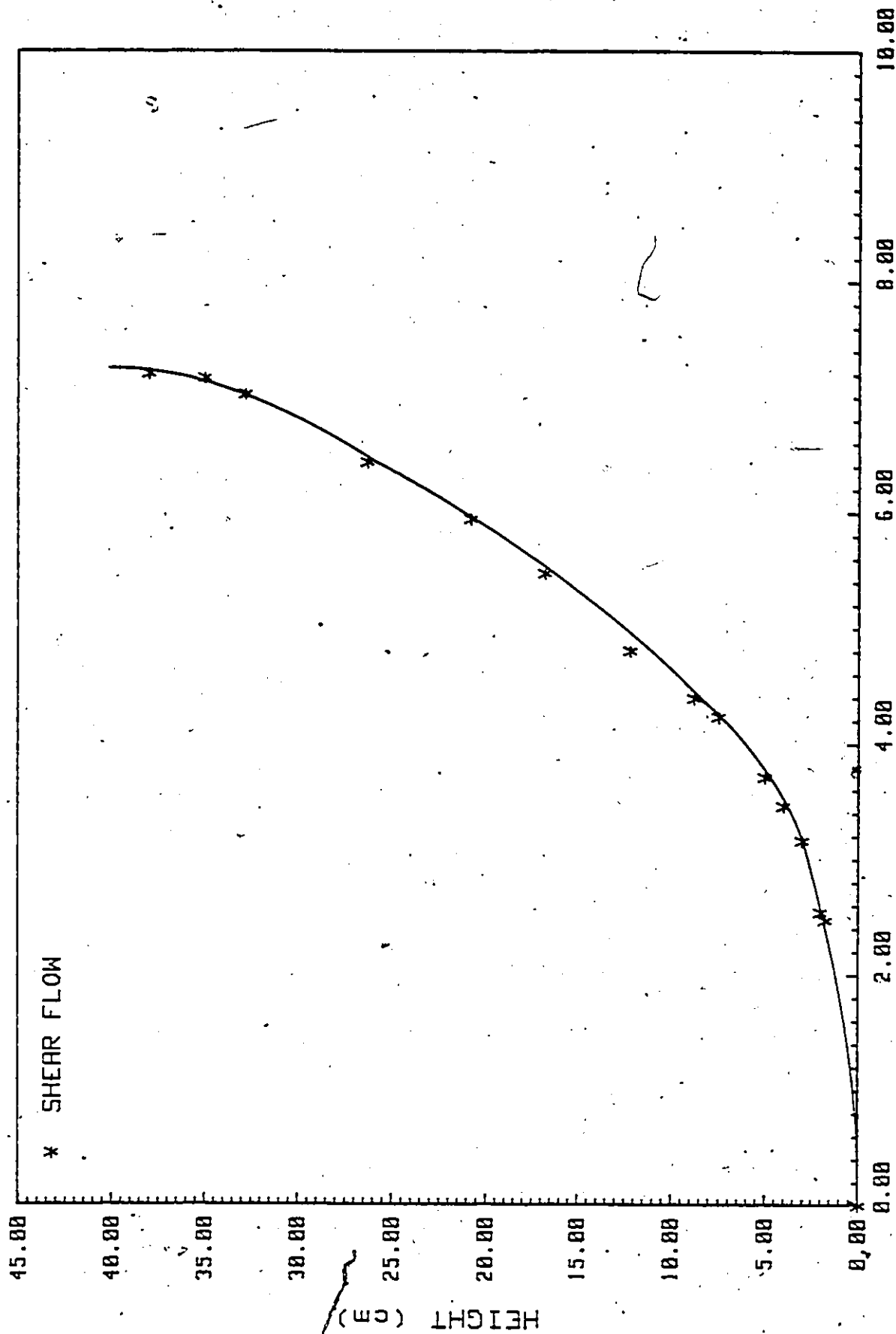


Fig 3.11 Linear Regression Line For a Of The Shear Flow Profile

VELOCITY PROFILE



WIND VELOCITY (m/s)

Fig 3.12 A Typical Shear Flow Profile

GRAPH OF PRESSURE (mm Hg VS. mV)

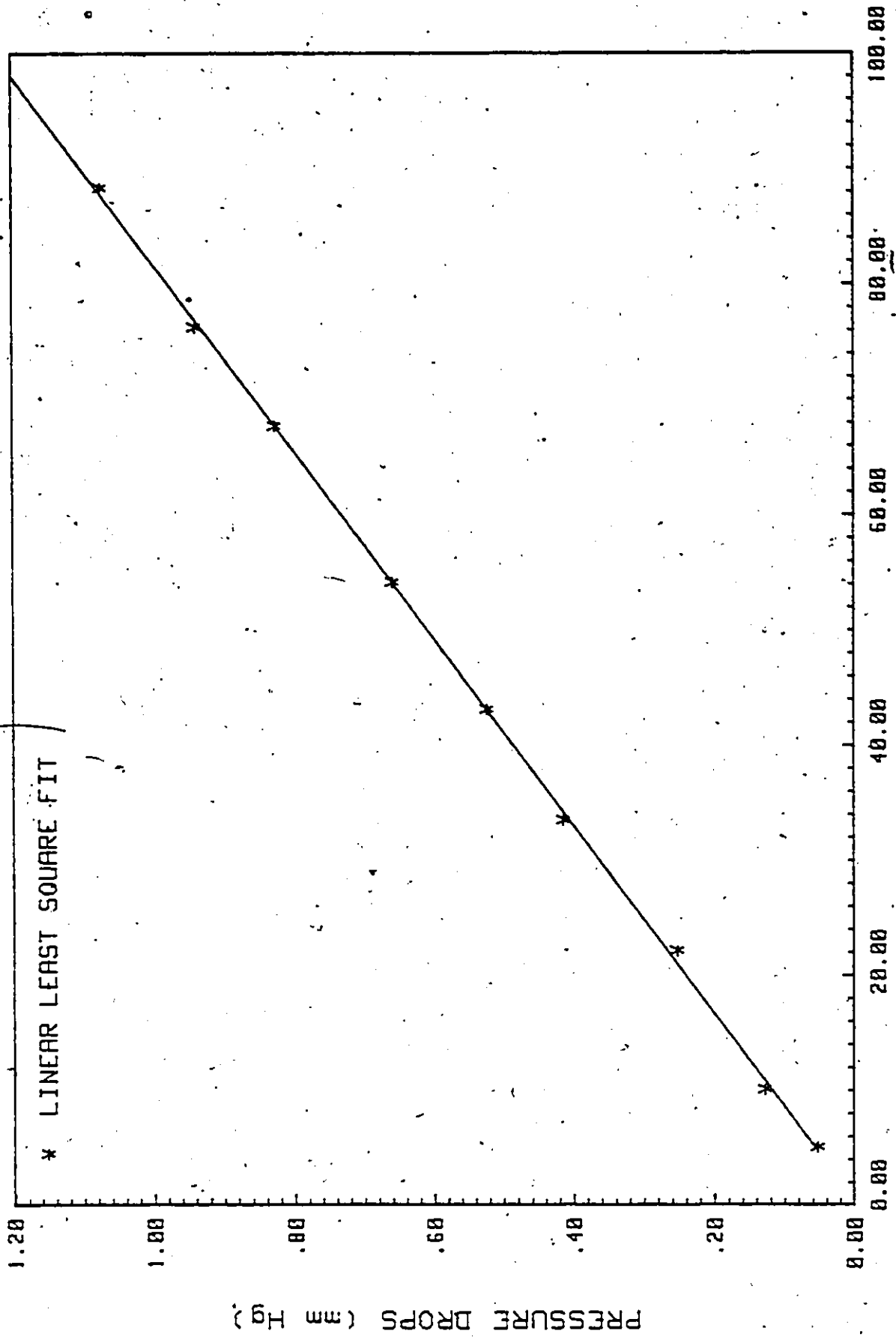


Fig 3.13 Linear Least Square Line For Pressure In Unit Of mm Hg And mV

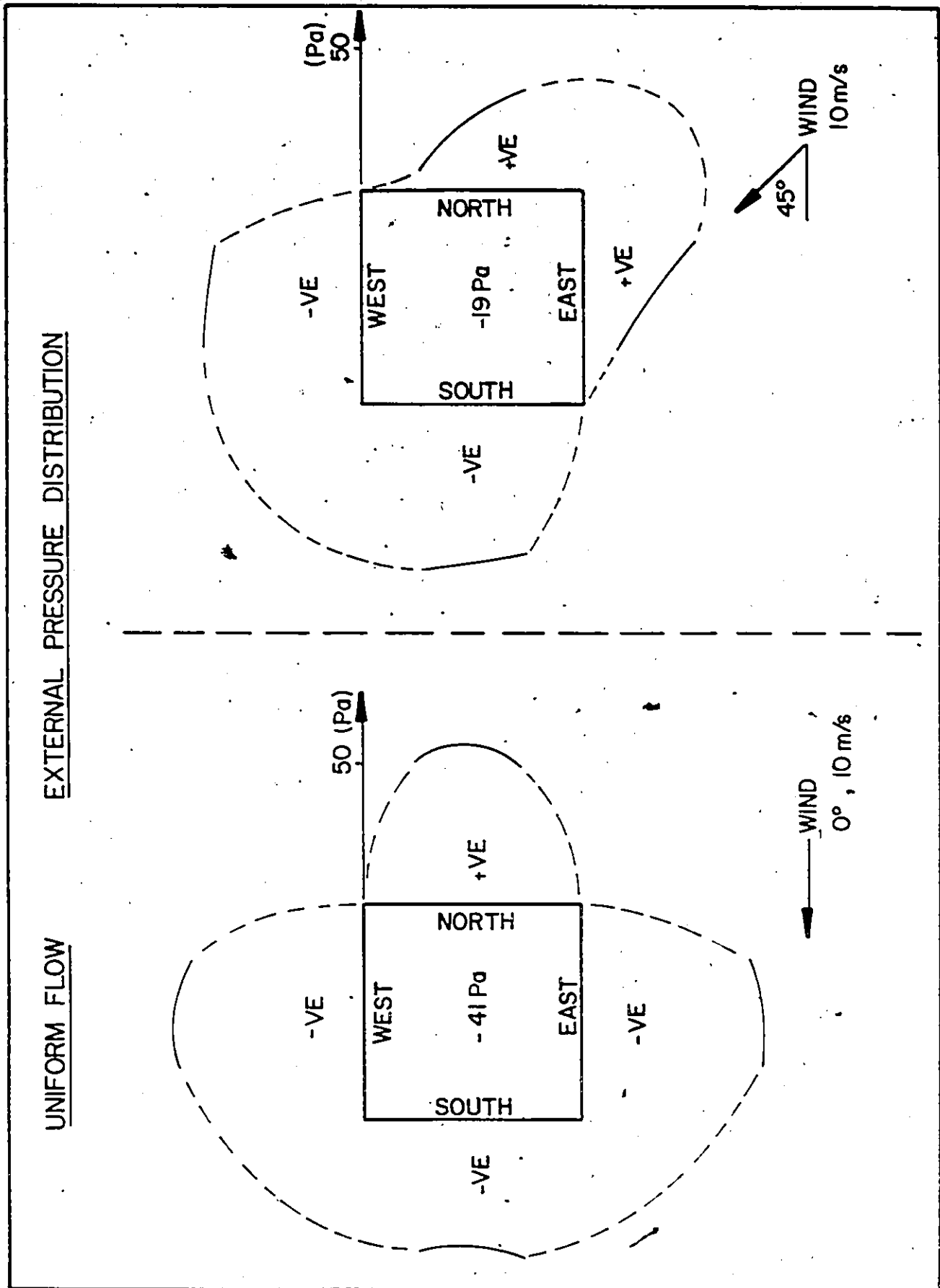


Fig 4.1 External Pressure Distribution (Data from 2nd level)

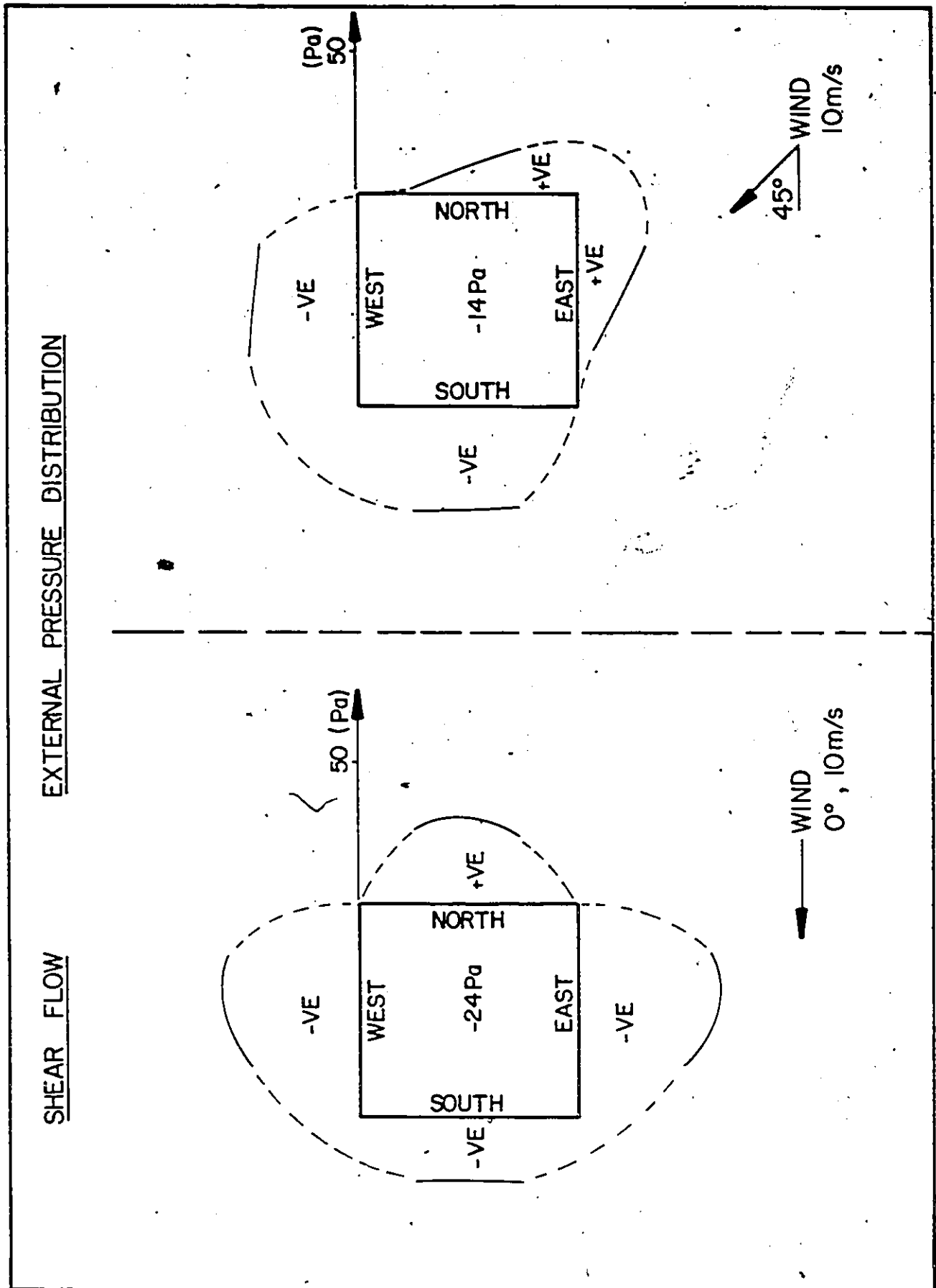
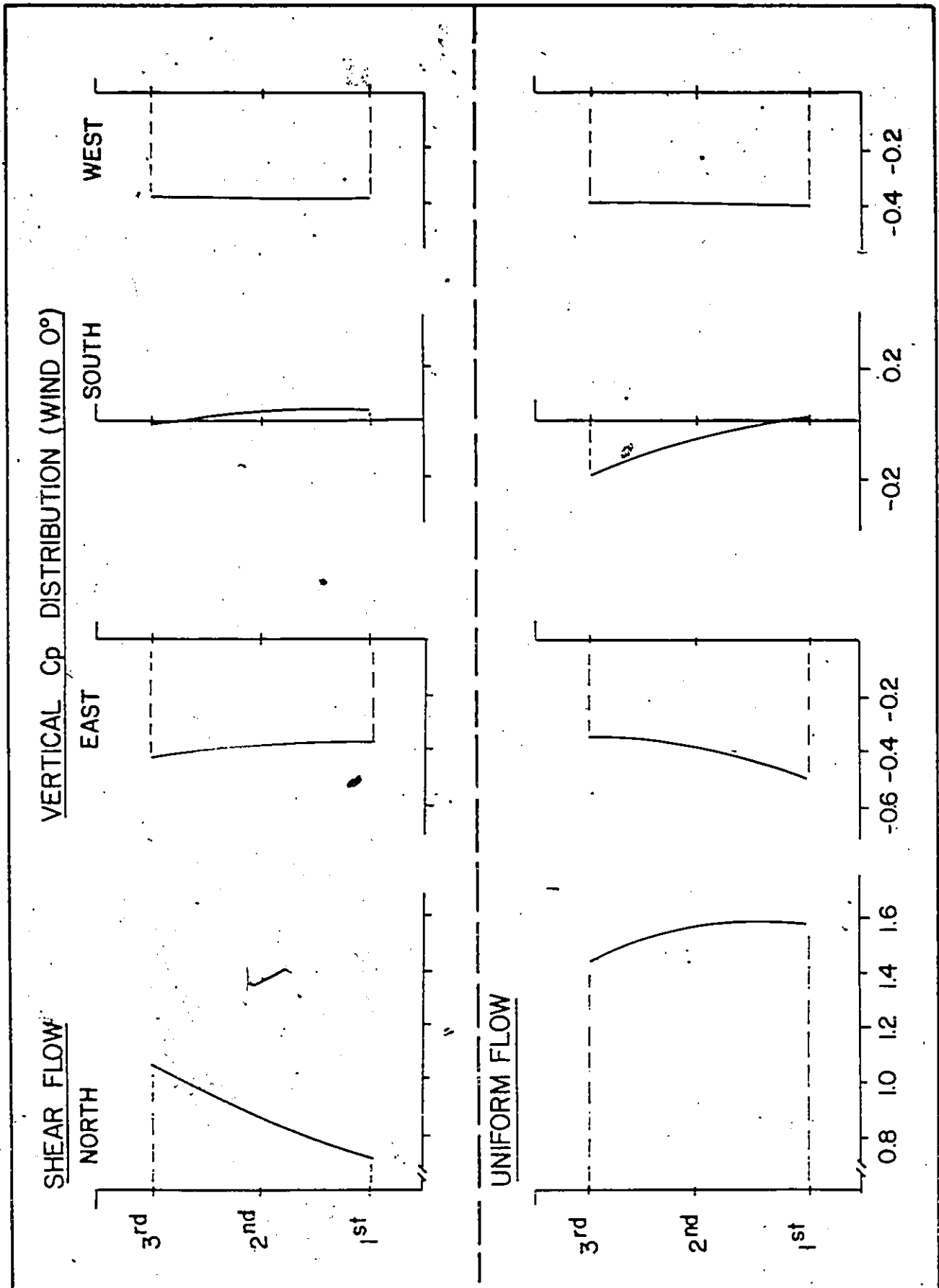


Fig 4.2 External Pressure Distribution (Data from 2nd level)



Fig/4.3 Vertical View Of The Average Pressure Coefficient
(Average over each level)

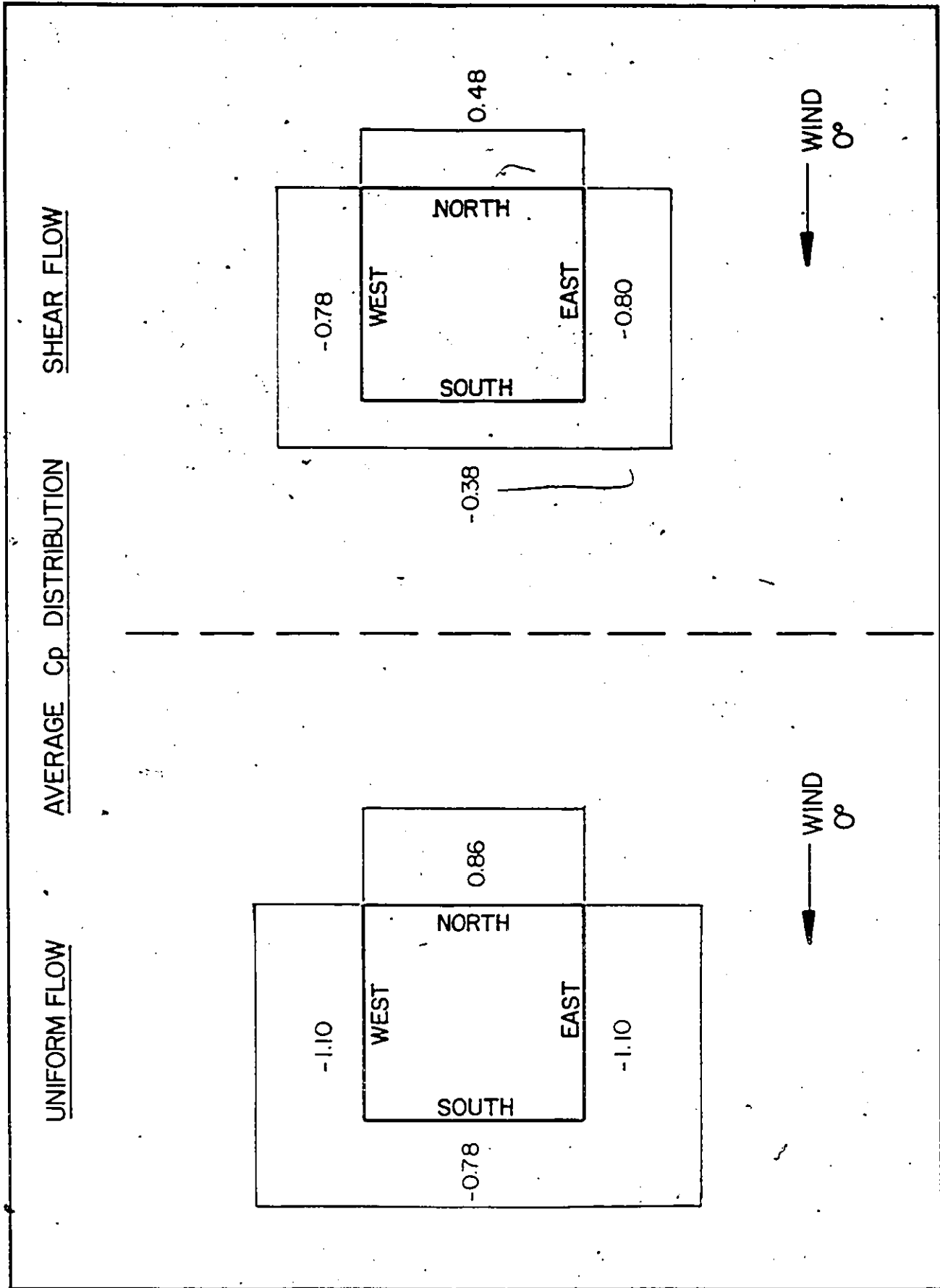


Fig 4.4 Plan View Of The Average Pressure Coefficient
(Average over each wall)

Cp VS WIND ANGLE

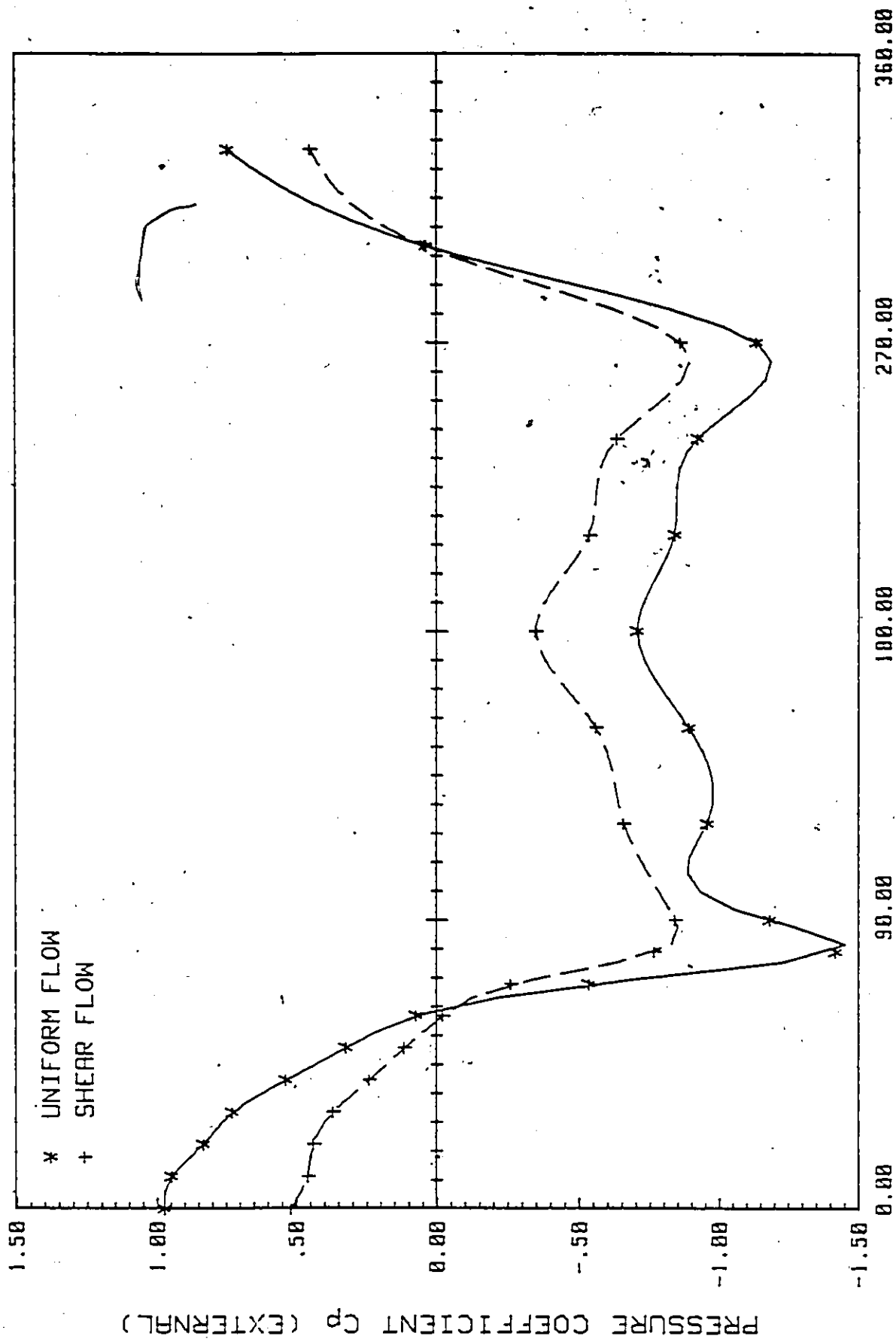
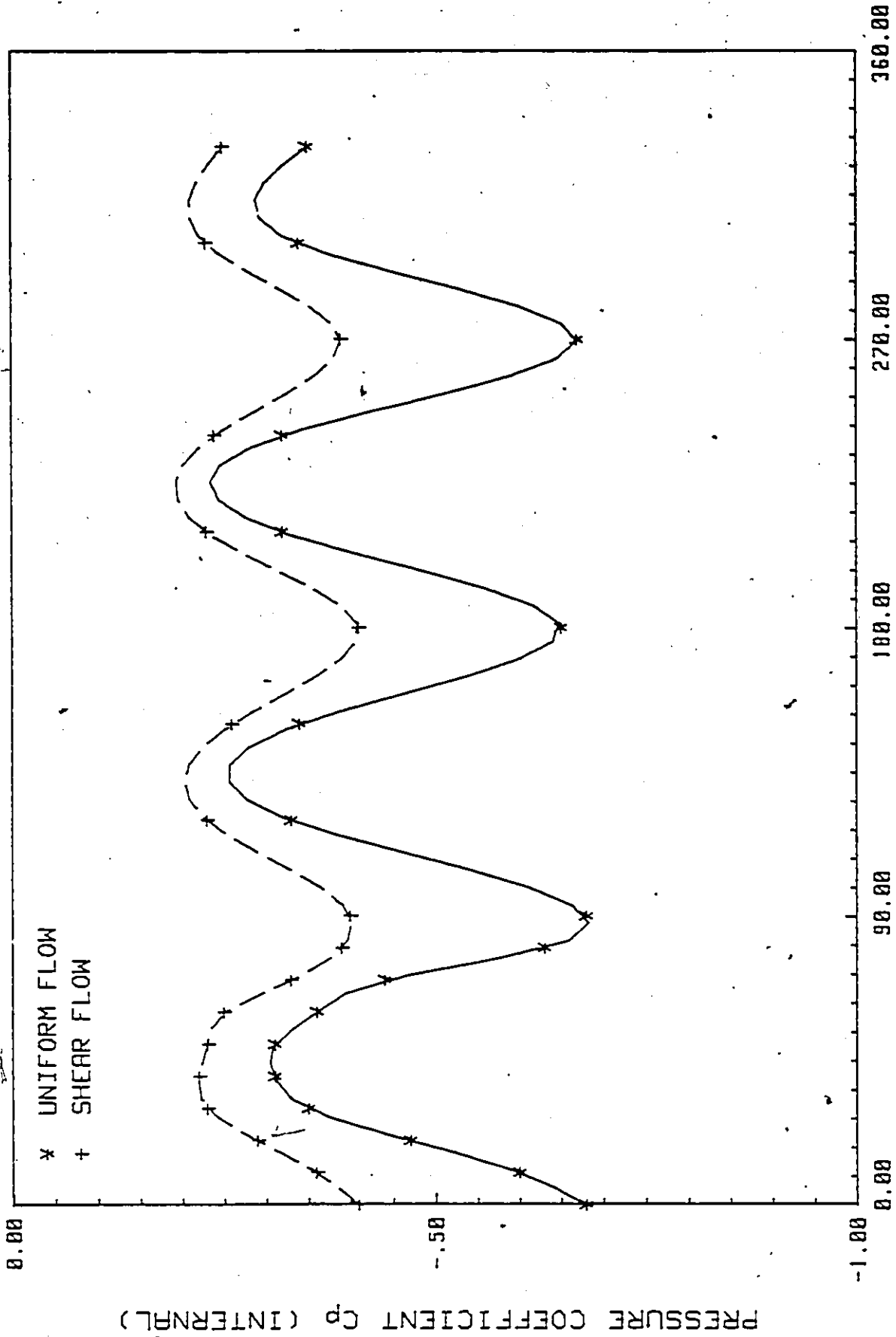


Fig 4.5 Variations Of The External Pressure Coefficient With Wind Angles
(Data from location N22)

Cp VS WIND ANGLE



WIND ANGLE (Deg)

Fig 4.6 Variations Of The Internal Pressure Coefficient With Wind Angles
(Average over the four locations in the model)

Cp VS WIND ANGLE

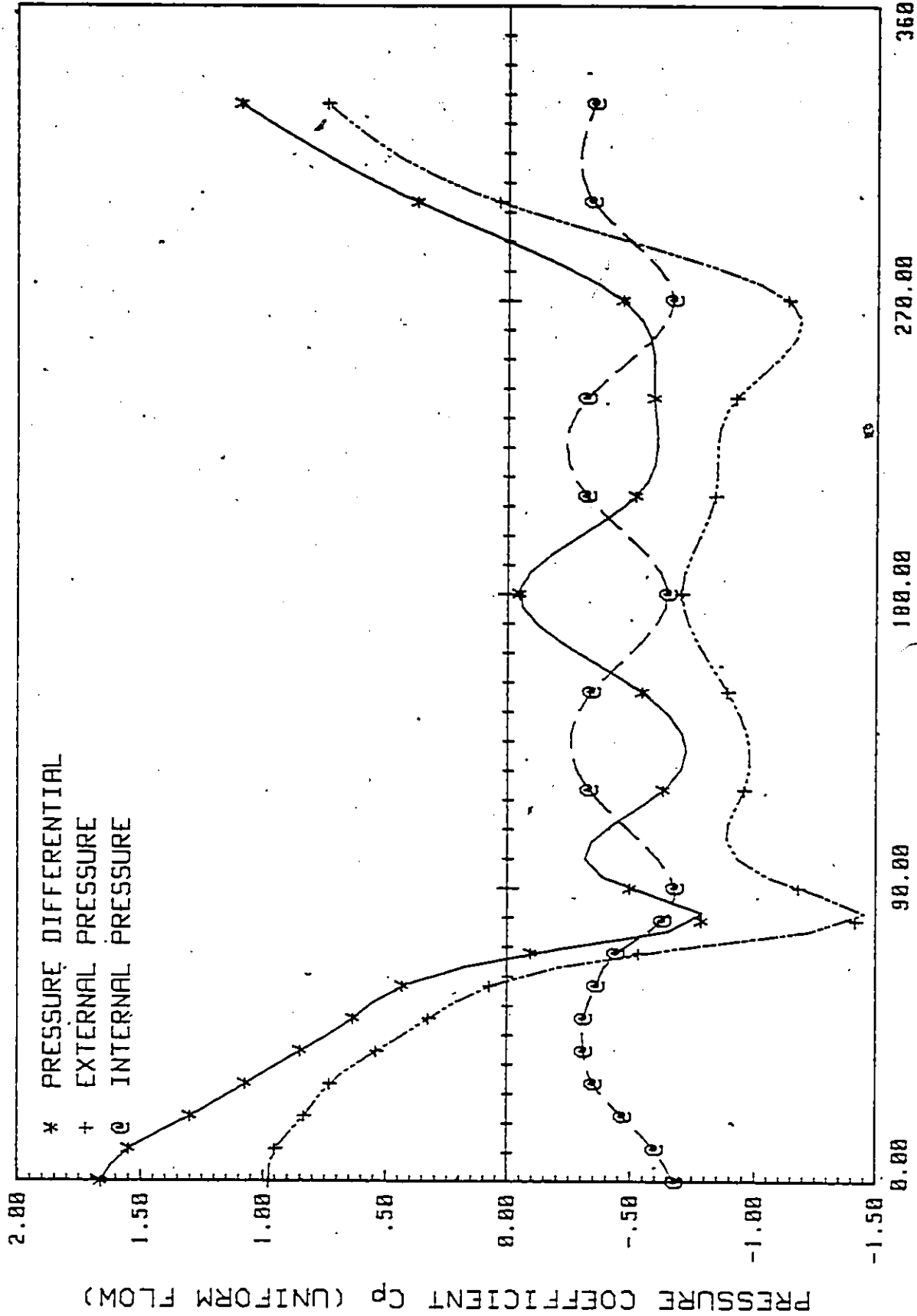


Fig 4.7 Variations Of Pressure Coefficient With Wind Angles
(Data from location N22)

Cp VS WIND ANGLE

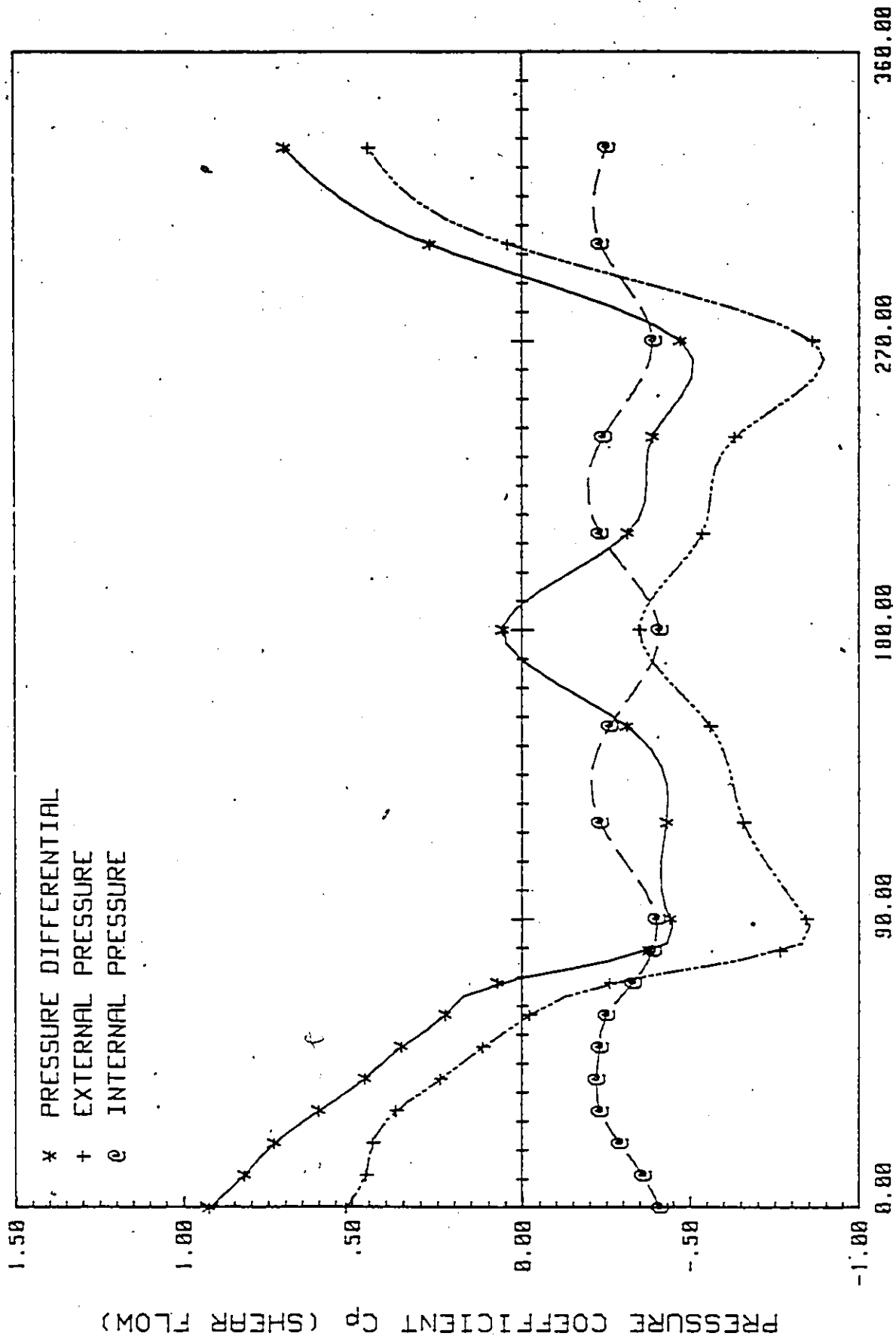


Fig 4.8 Variations Of Pressure Coefficient With Wind Angles
(Data from location N22)

dP_w VS WIND ANGLE

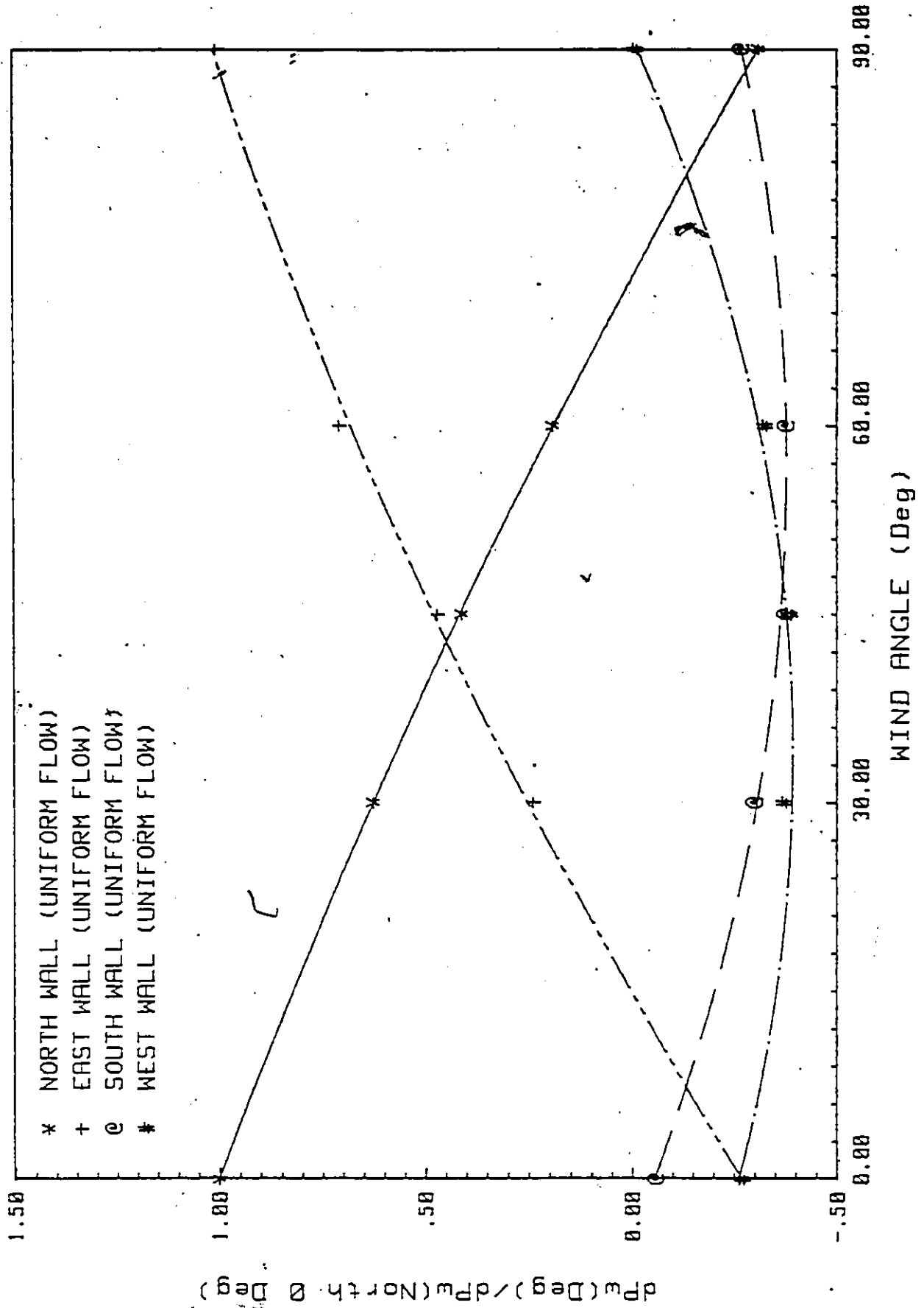


Fig 4.9 Correlation Lines For Pressure Differentials Due To Action Of Wind Only

dPw VS WIND ANGLE

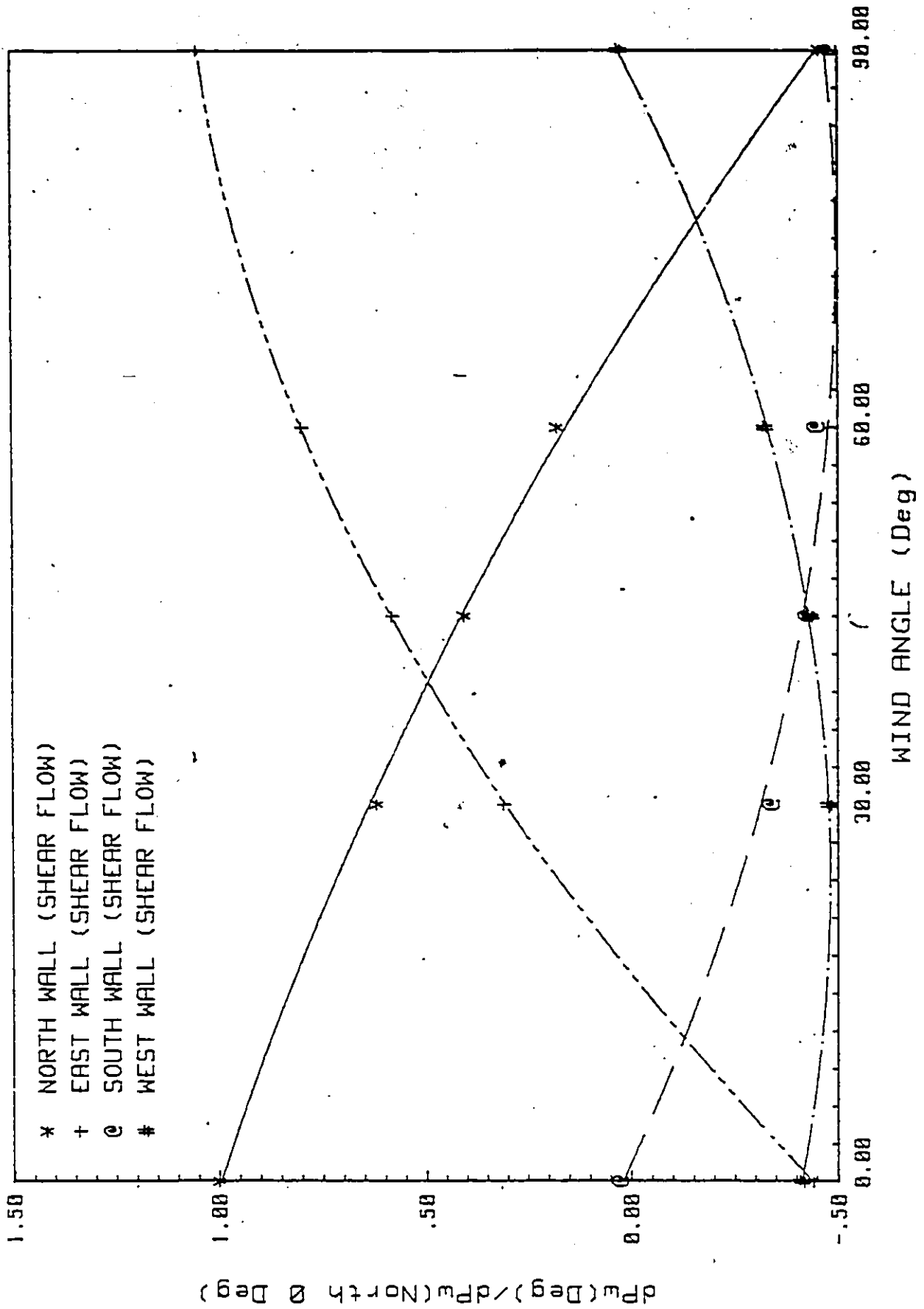


Fig 4.10 Correlation Lines For Pressure Differentials Due To Action Of Wind Only

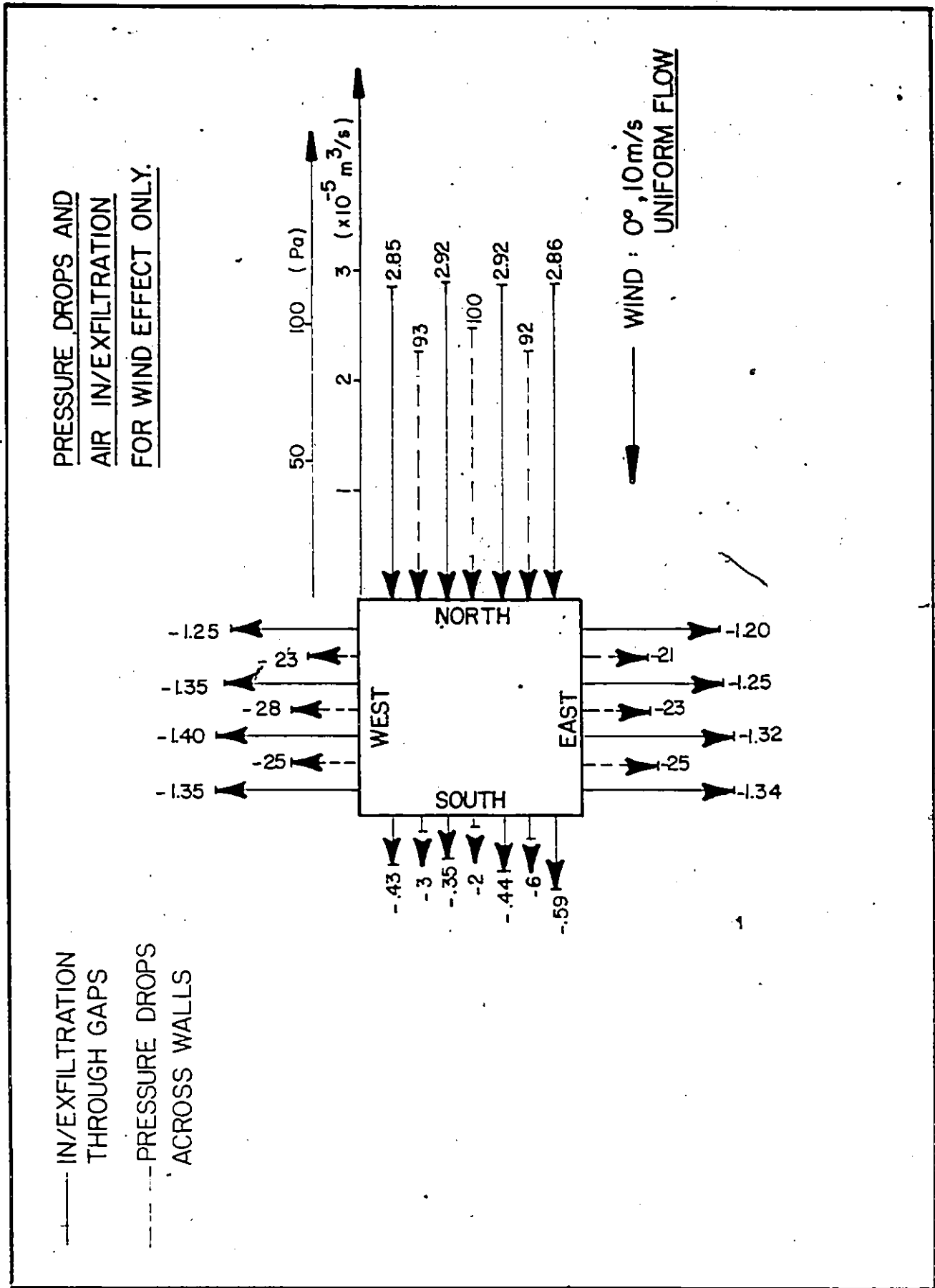


Fig 4.11 Pressure Differentials And Air Infiltrations Due To Action Of Wind Only (Data from 2nd level)

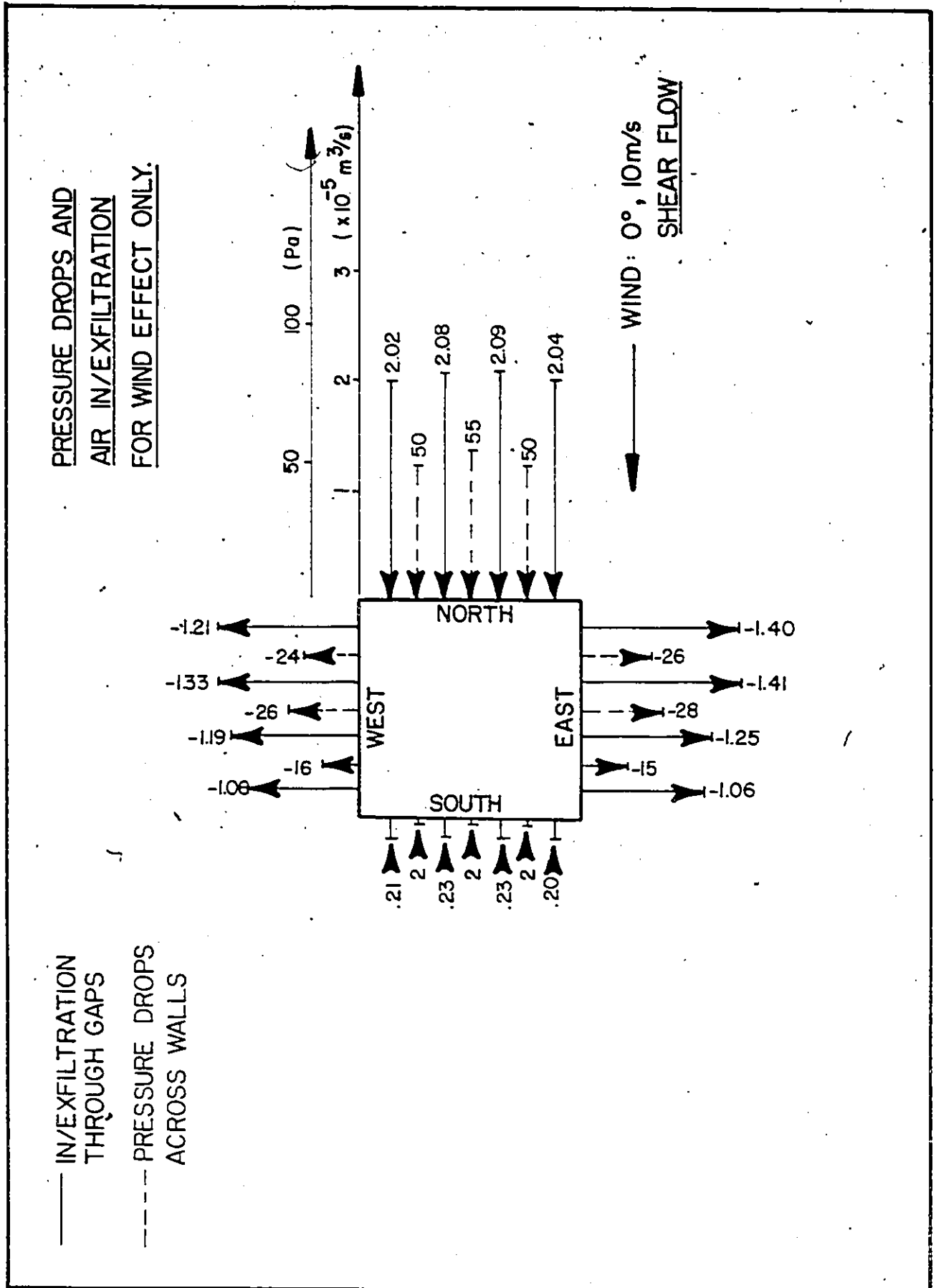


Fig 4.12 Pressure Differentials And Air Infiltrations Due To Action Of Wind Only (Data from 2nd level)

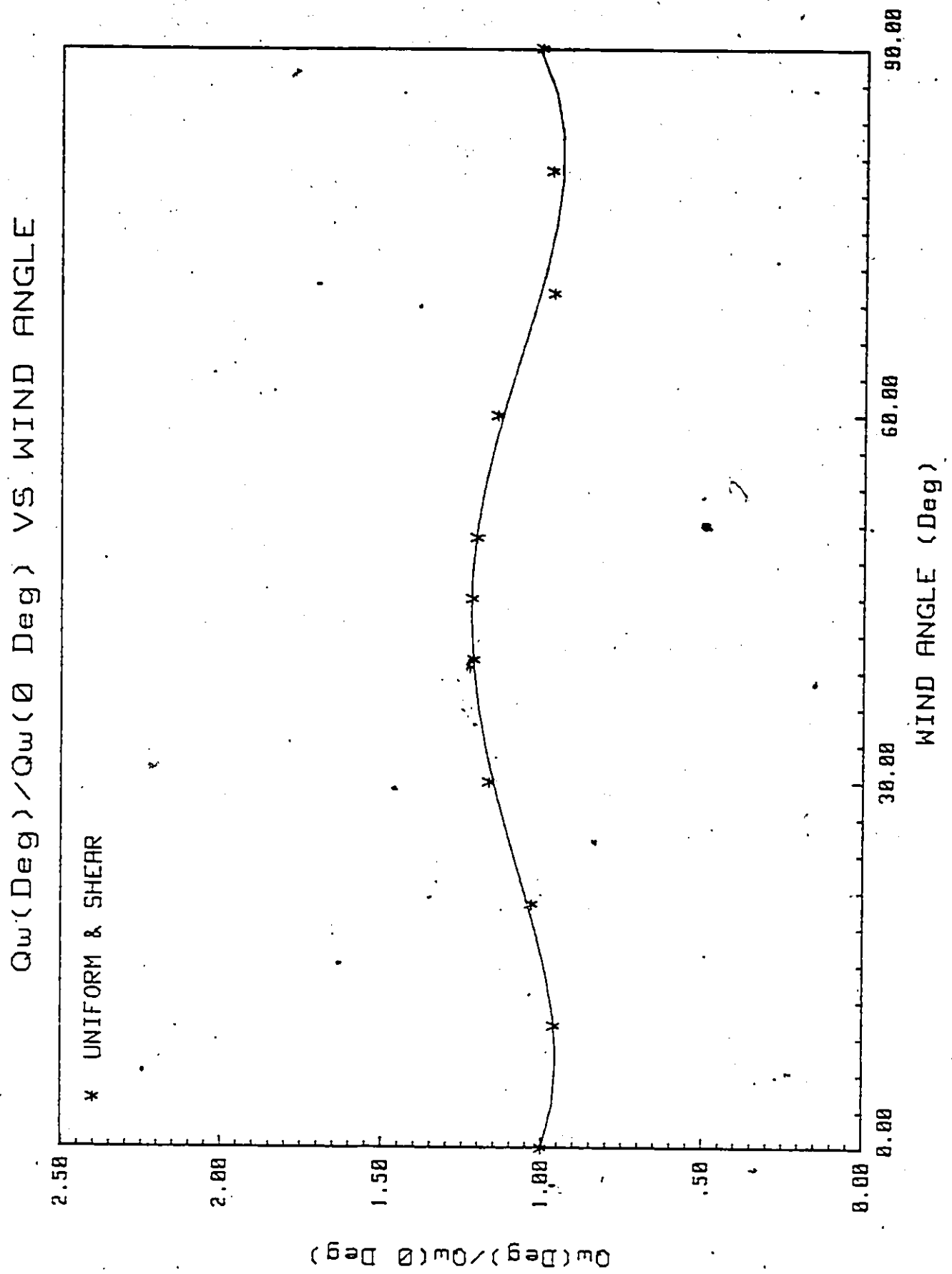


Fig 4.13 Variations Of Air Infiltration With Wind Angles (Wind Action)

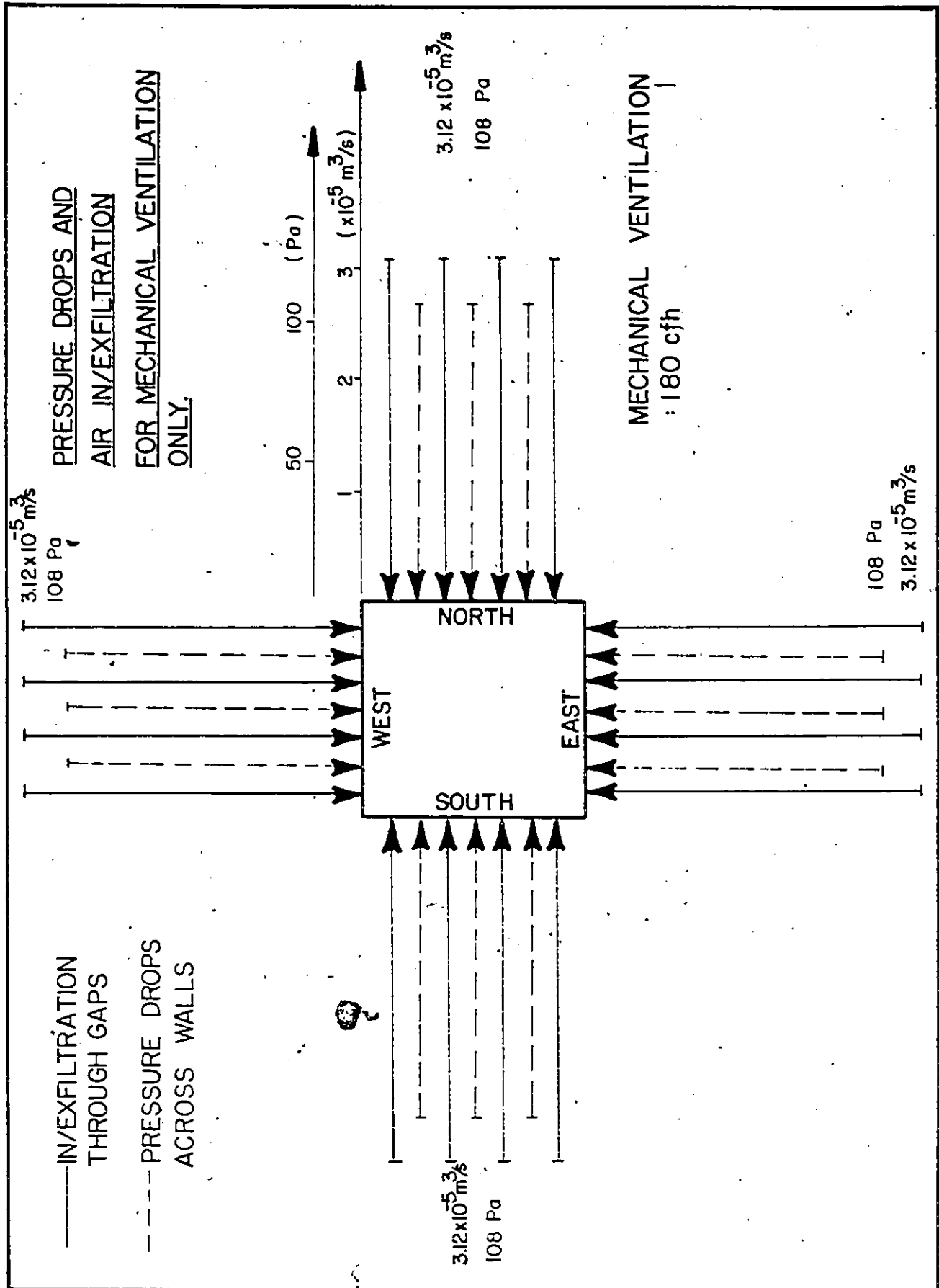


Fig 4.14 Pressure Differentials And Air Infiltrations For Mechanical Ventilation Action Only (Data from 2nd level)

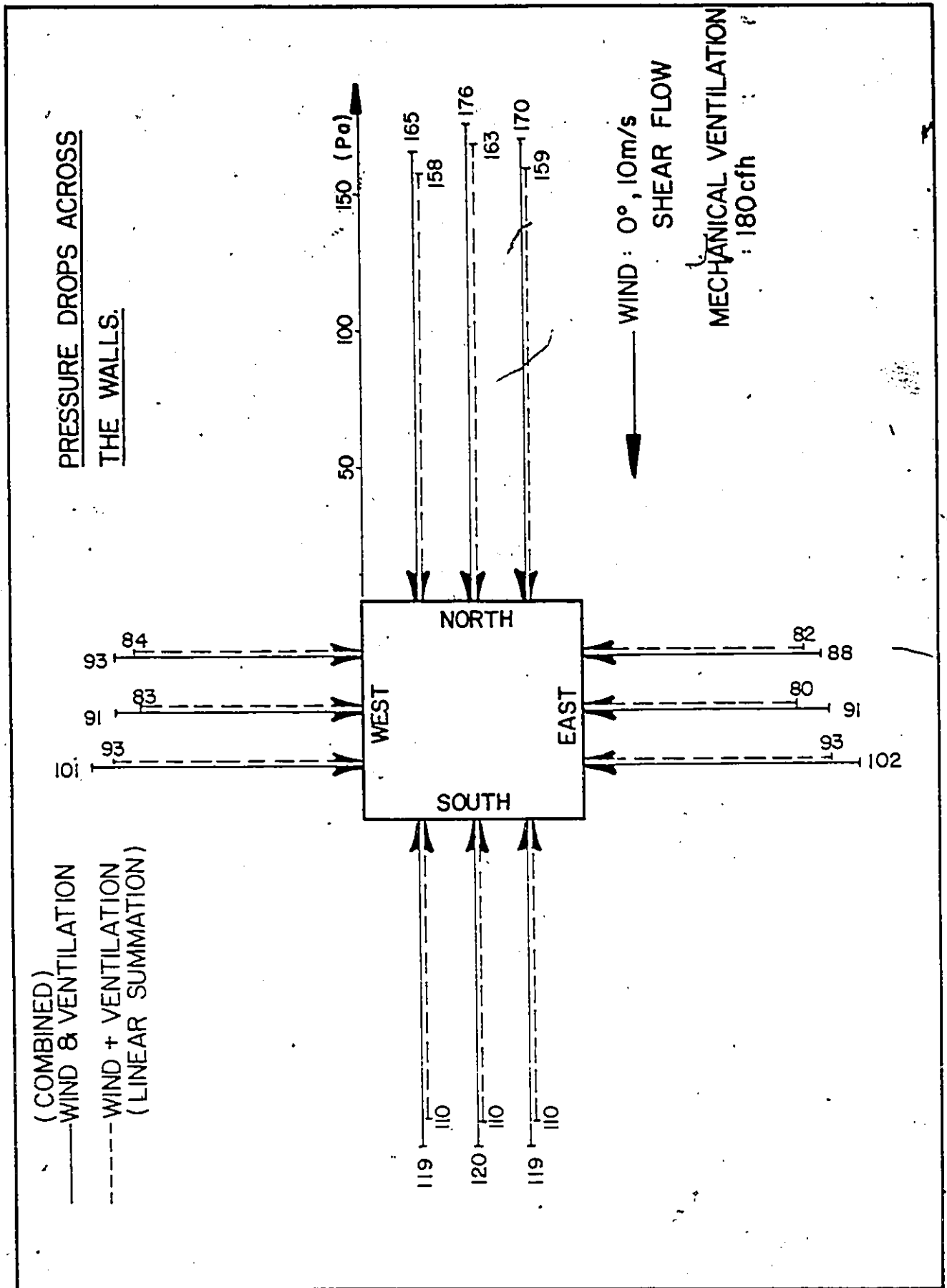


Fig 4.15 Verification Of The Non-linearity Of Pressure Differentials
(Data from 2nd level)

dPvw VS WIND ANGLE

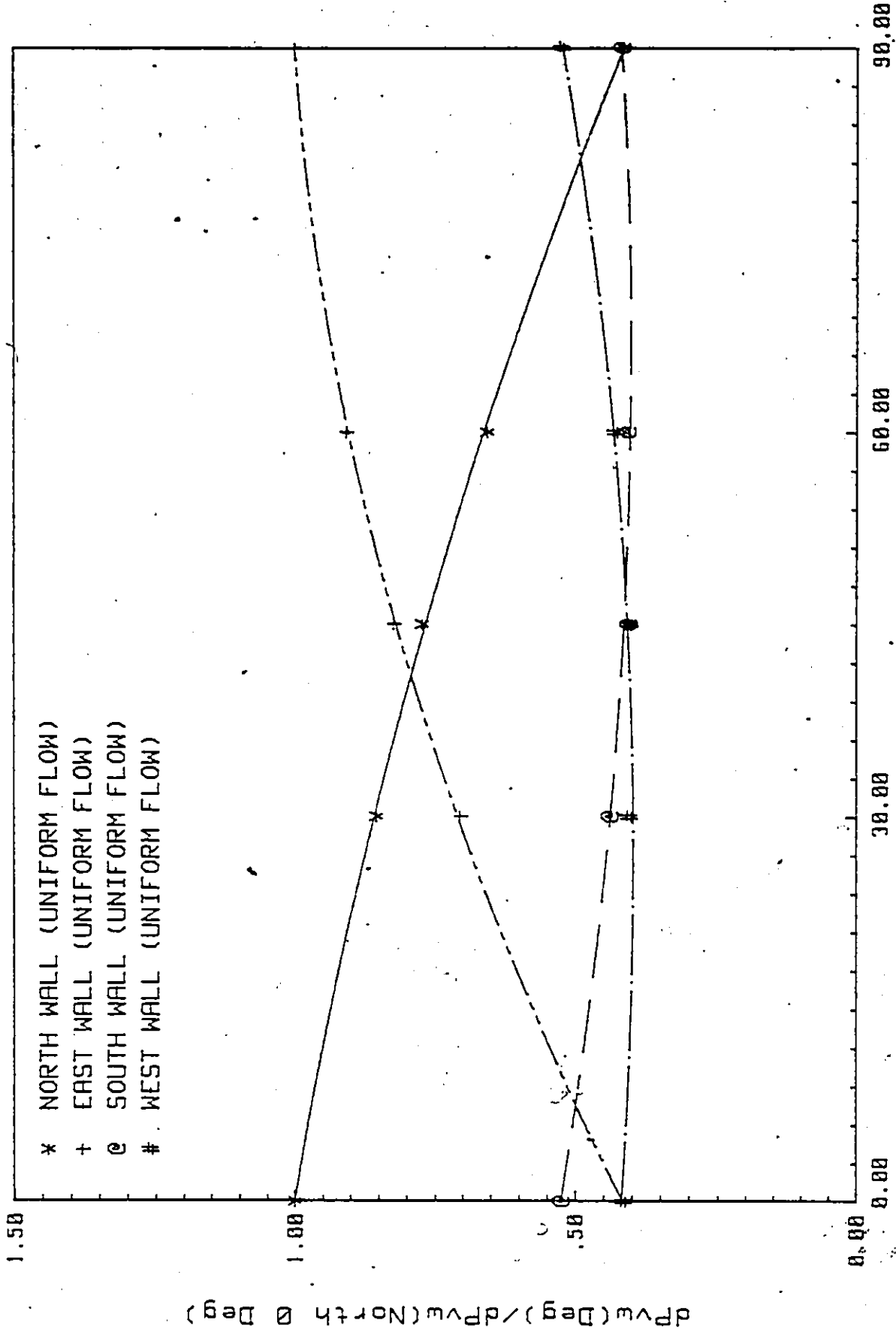


Fig 4.16 Correlation Lines For Pressure Differentials Due To The Combined Of Wind And Mechanical Ventilation Actions

dPvw VS WIND ANGLE

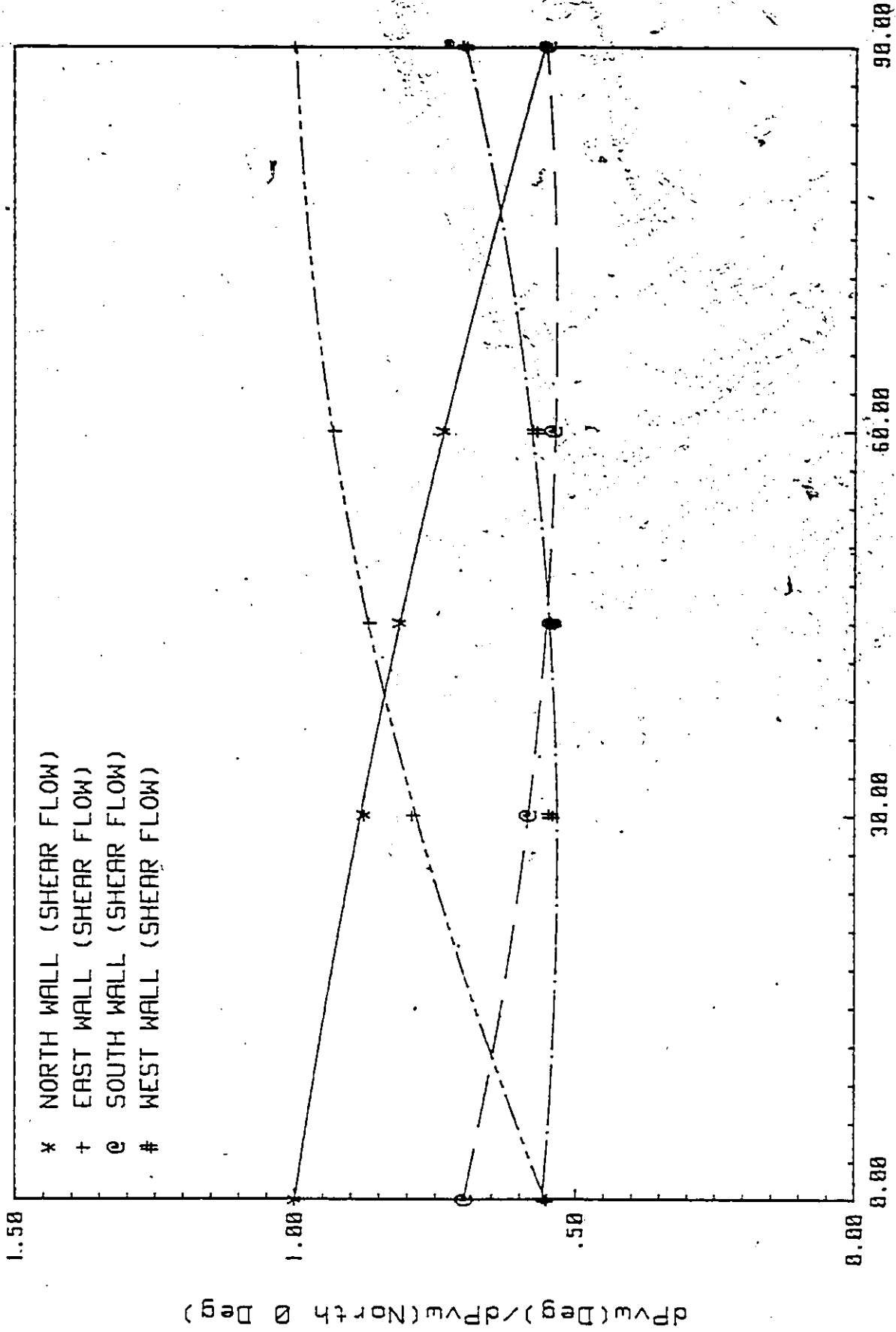


Fig 4.17 Correlated Lines For Pressure Differentials Due To
The Combined Of Wind And Mechanical Ventilation Actions

dP_{vw}/dP_{large} VS dP_{small}/dP_{large}

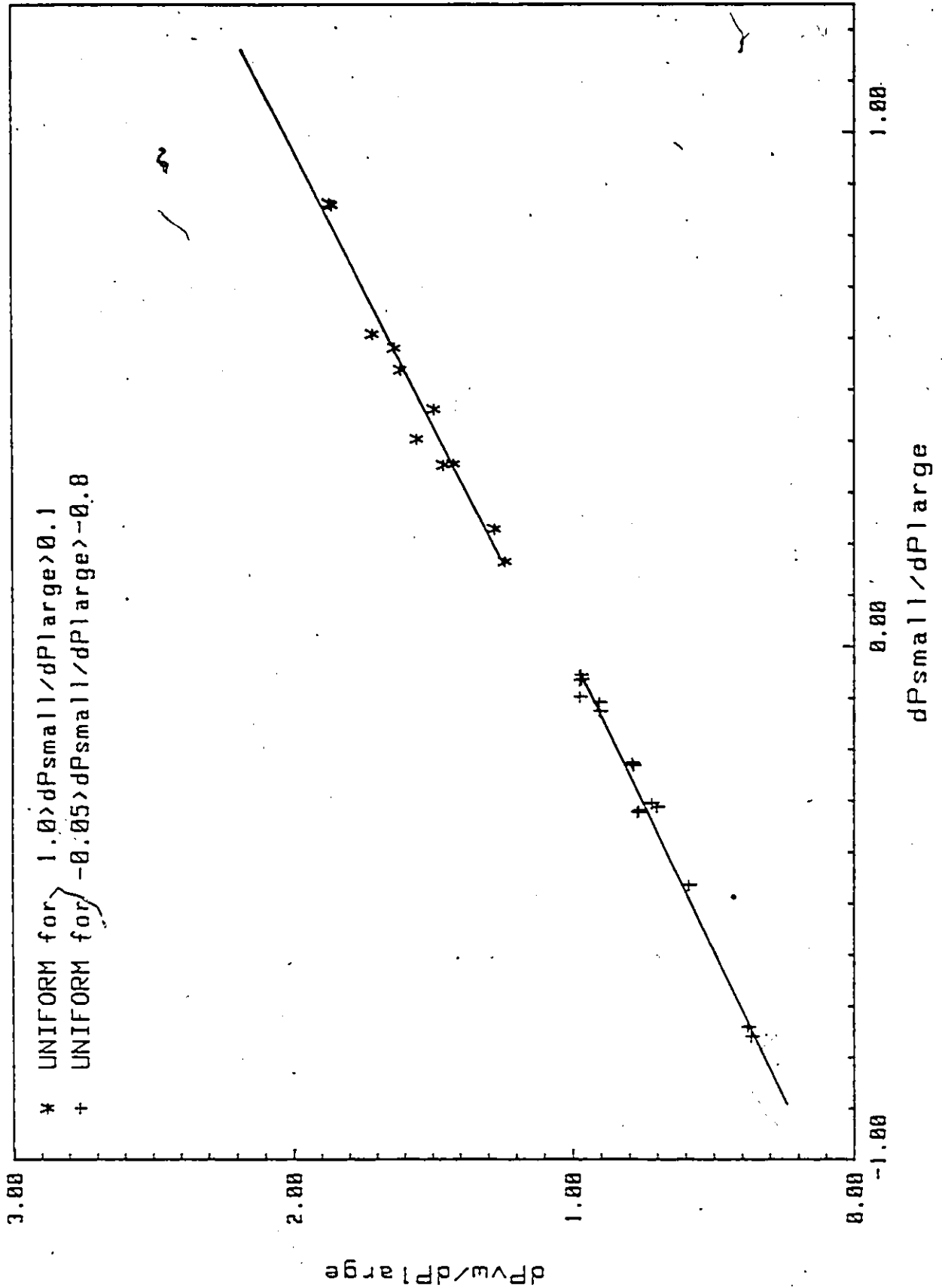


Fig 4.18 Linear Regression Lines For Pressure Differentials

dPvw/dPlarge VS dPsmall/dPlarge

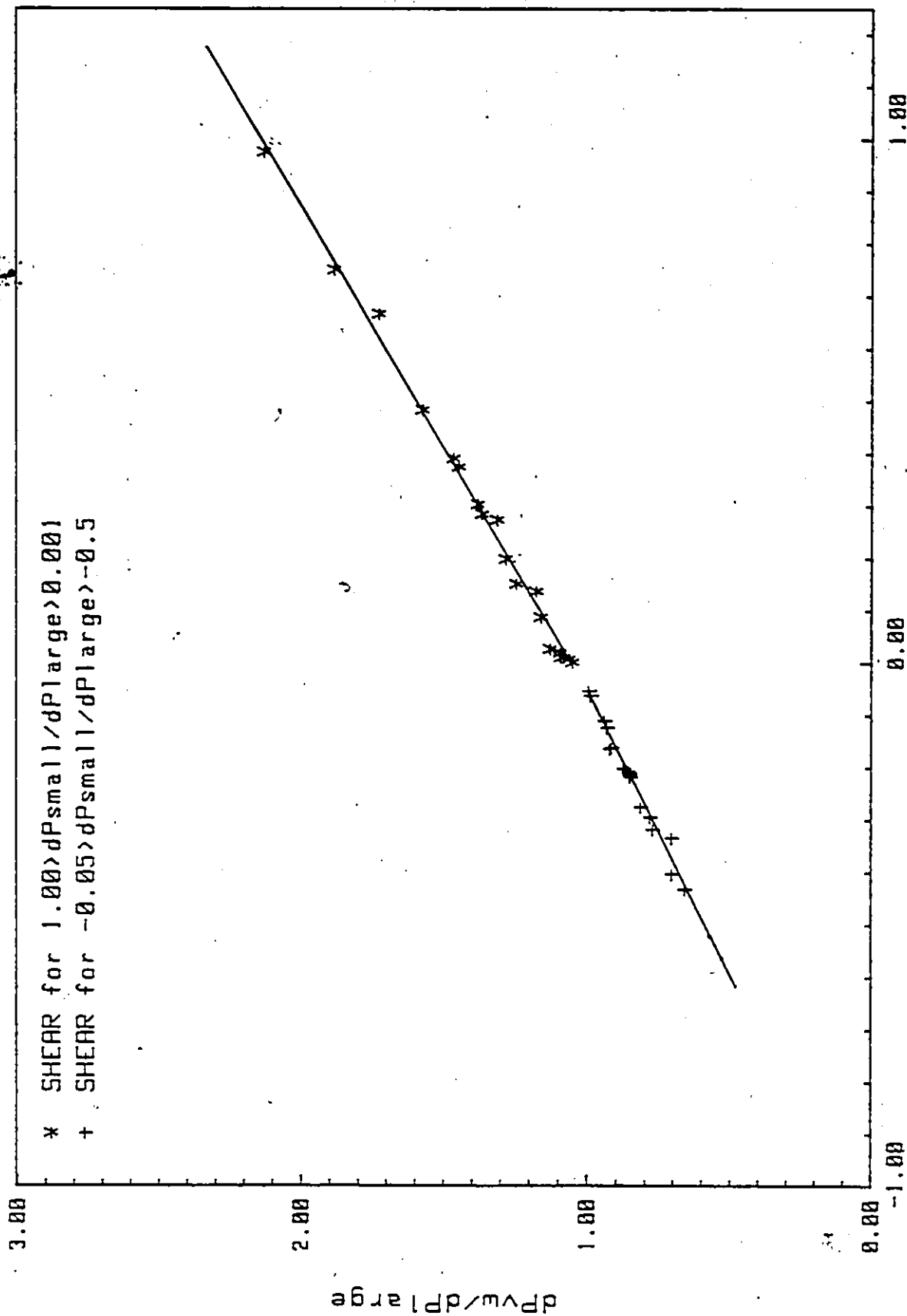


Fig 4.19 Linear Regression Lines For Pressure Differentials

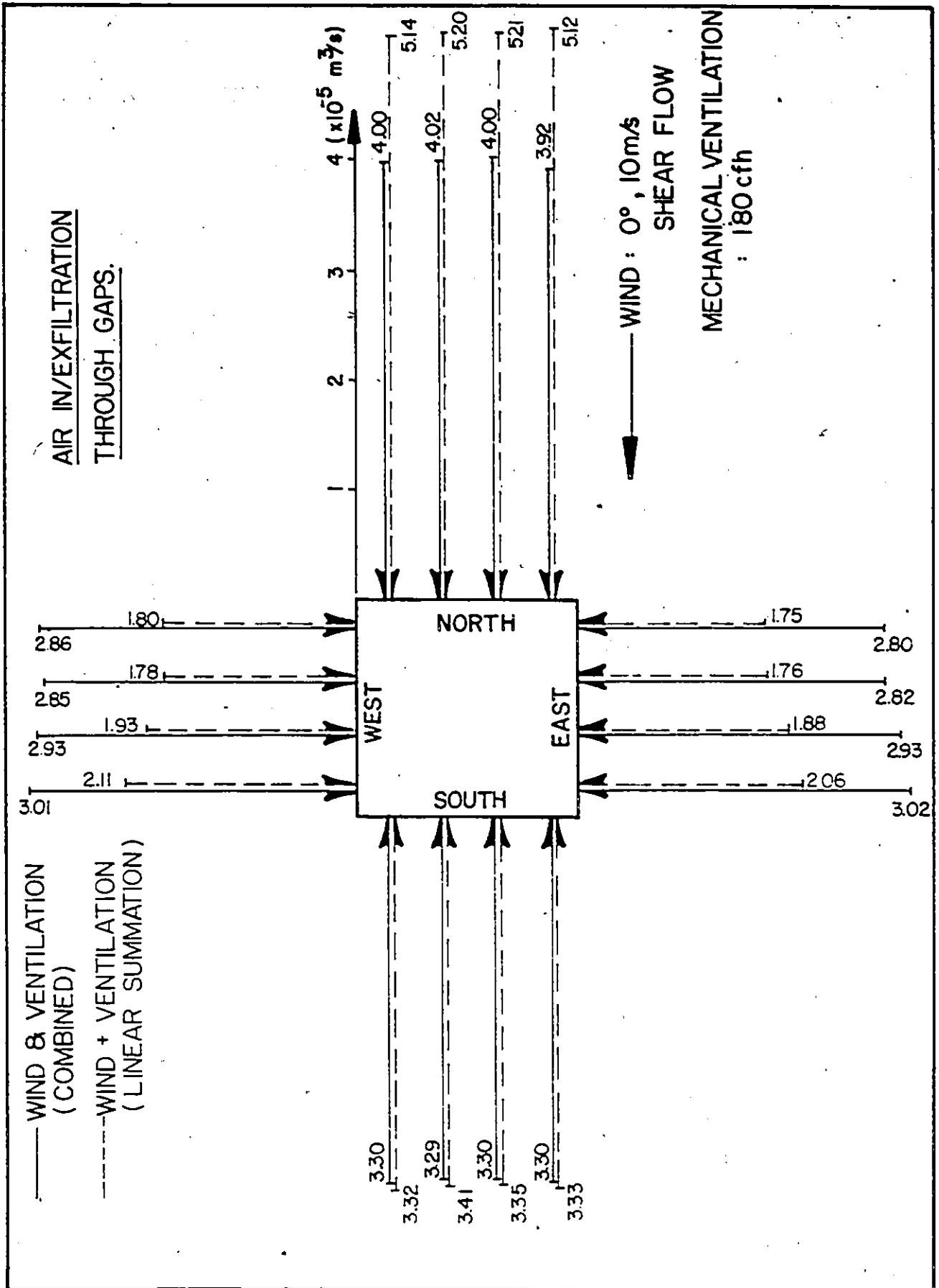


Fig 4.20 Verification Of The Non-linearity Of Air Infiltrations
 (Data from 2nd level)

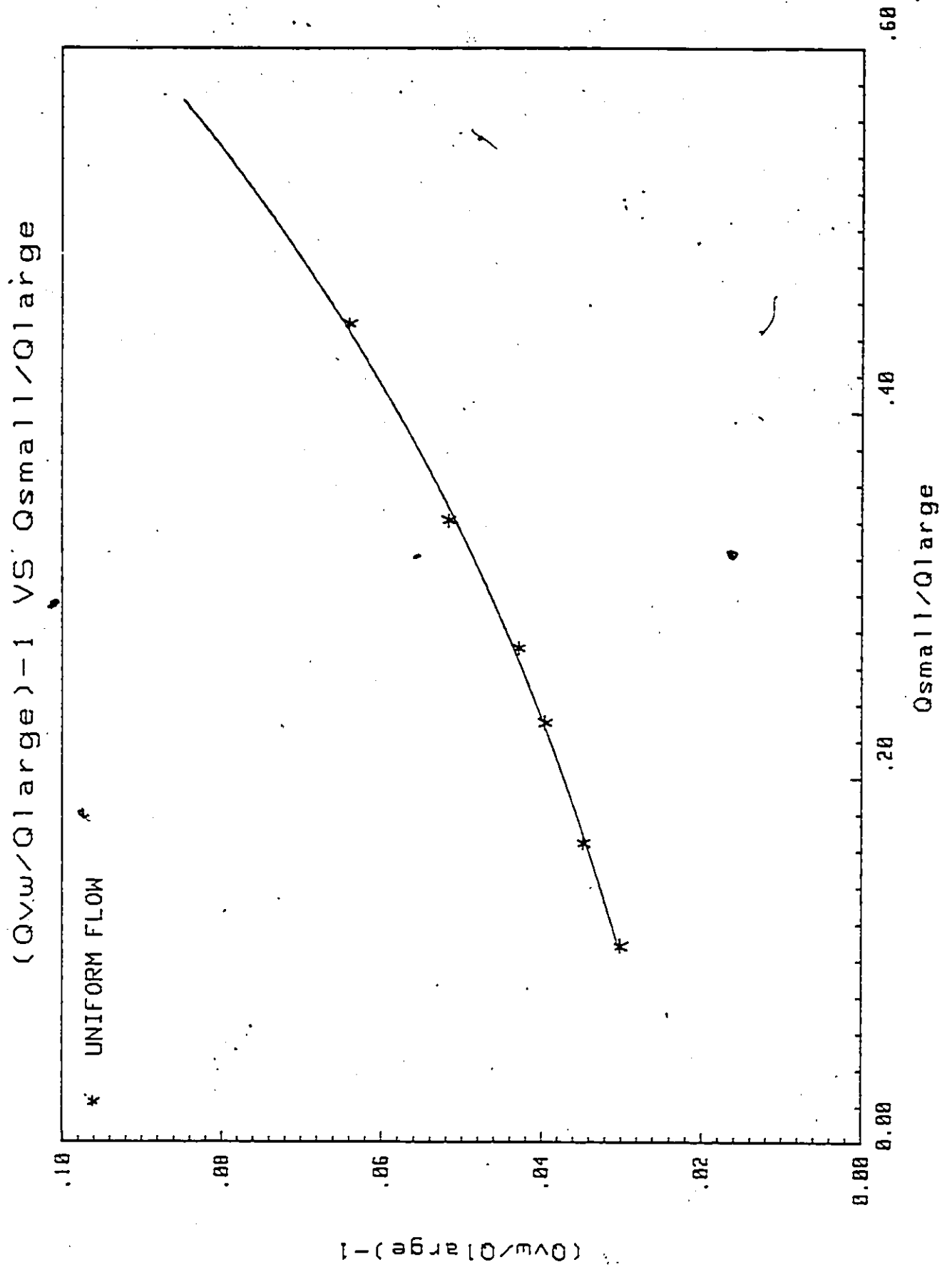


Fig 4.21 Exponential Regression Line For Air Infiltrations

$(Q_v/Q_{large}) - 1$ VS Q_{small}/Q_{large}

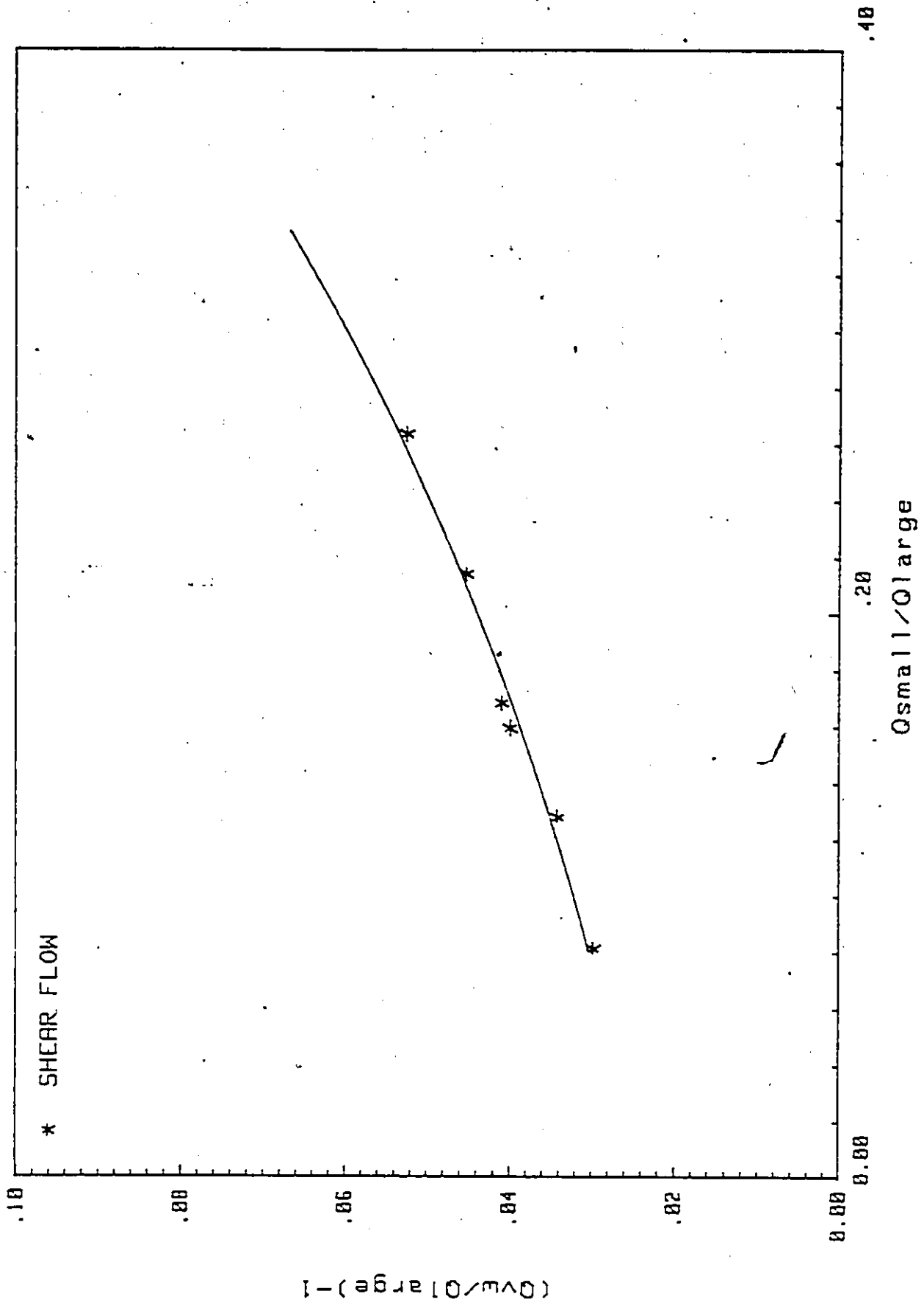


Fig 4.22 Exponential Regression Line For Air Infiltrations

INTERNAL PRESSURE COMPARISON

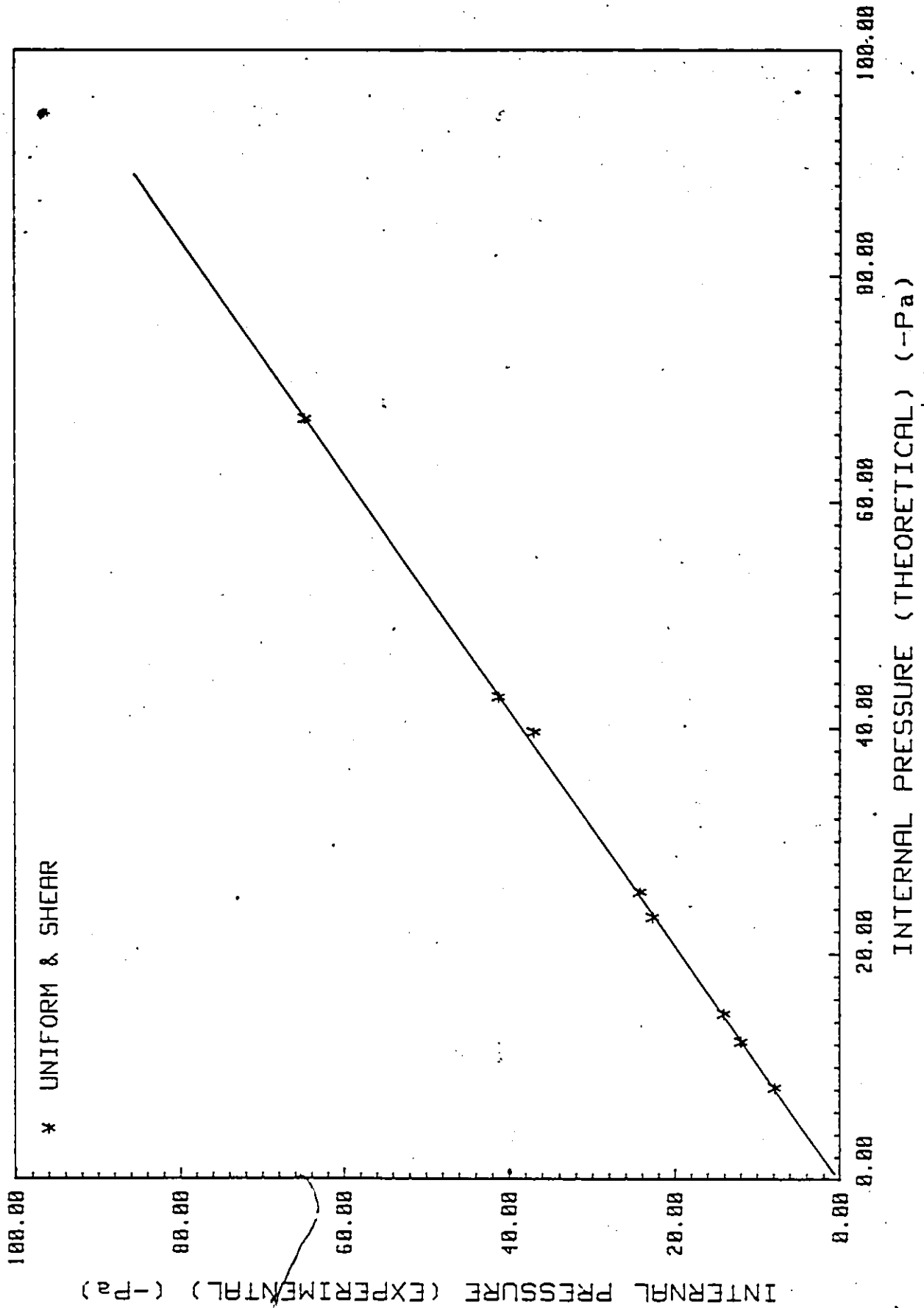


Fig 5.1 Comparison Of The Experimental And Theoretical Internal Pressure

$\ln(Q)$ VS $\ln(dP)$

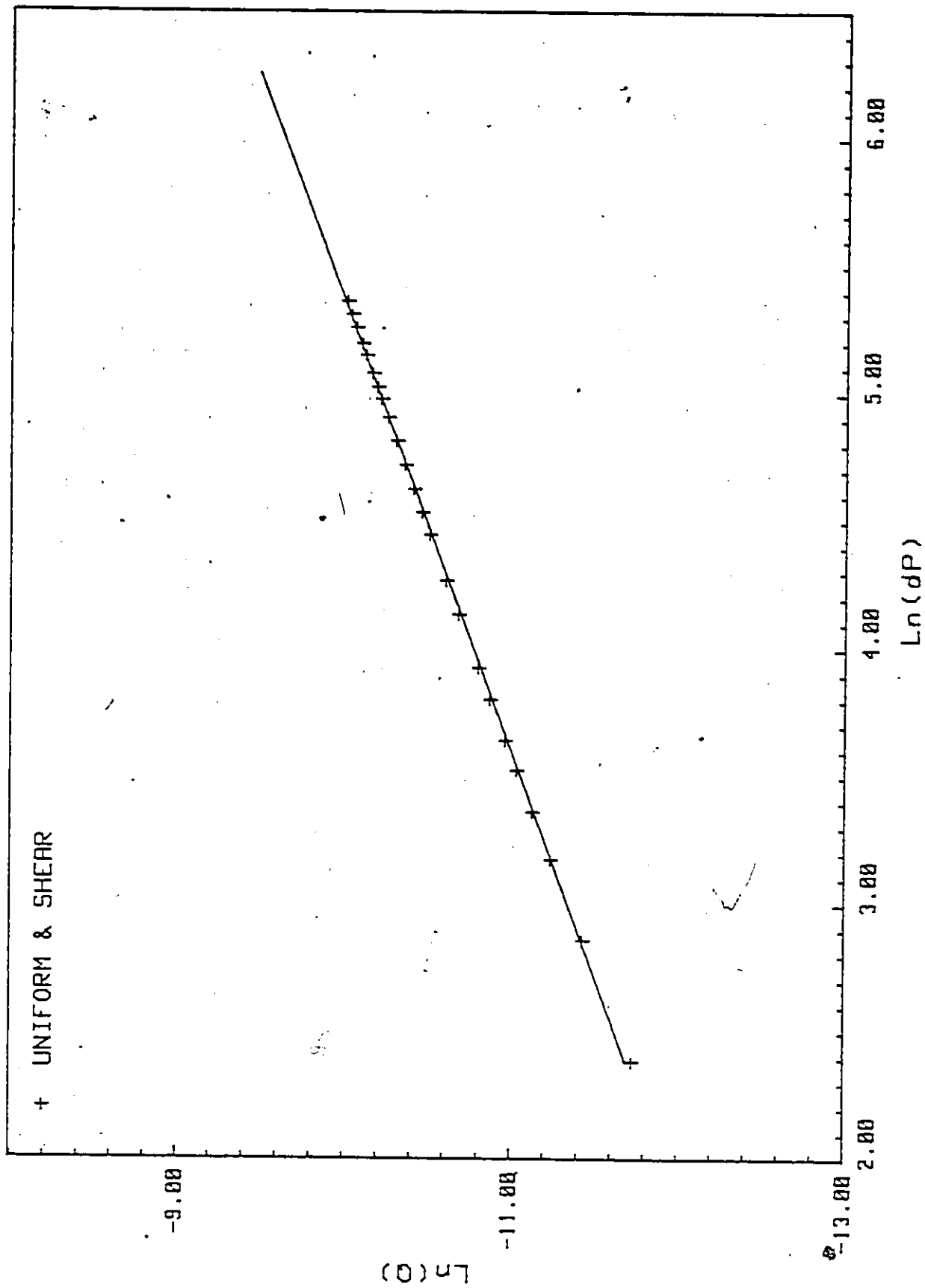


Fig 5.2 Regression Line For Air Infiltration Correlation

$\ln(Q)_{wall}$ VS $\ln(dP)_{ave}$

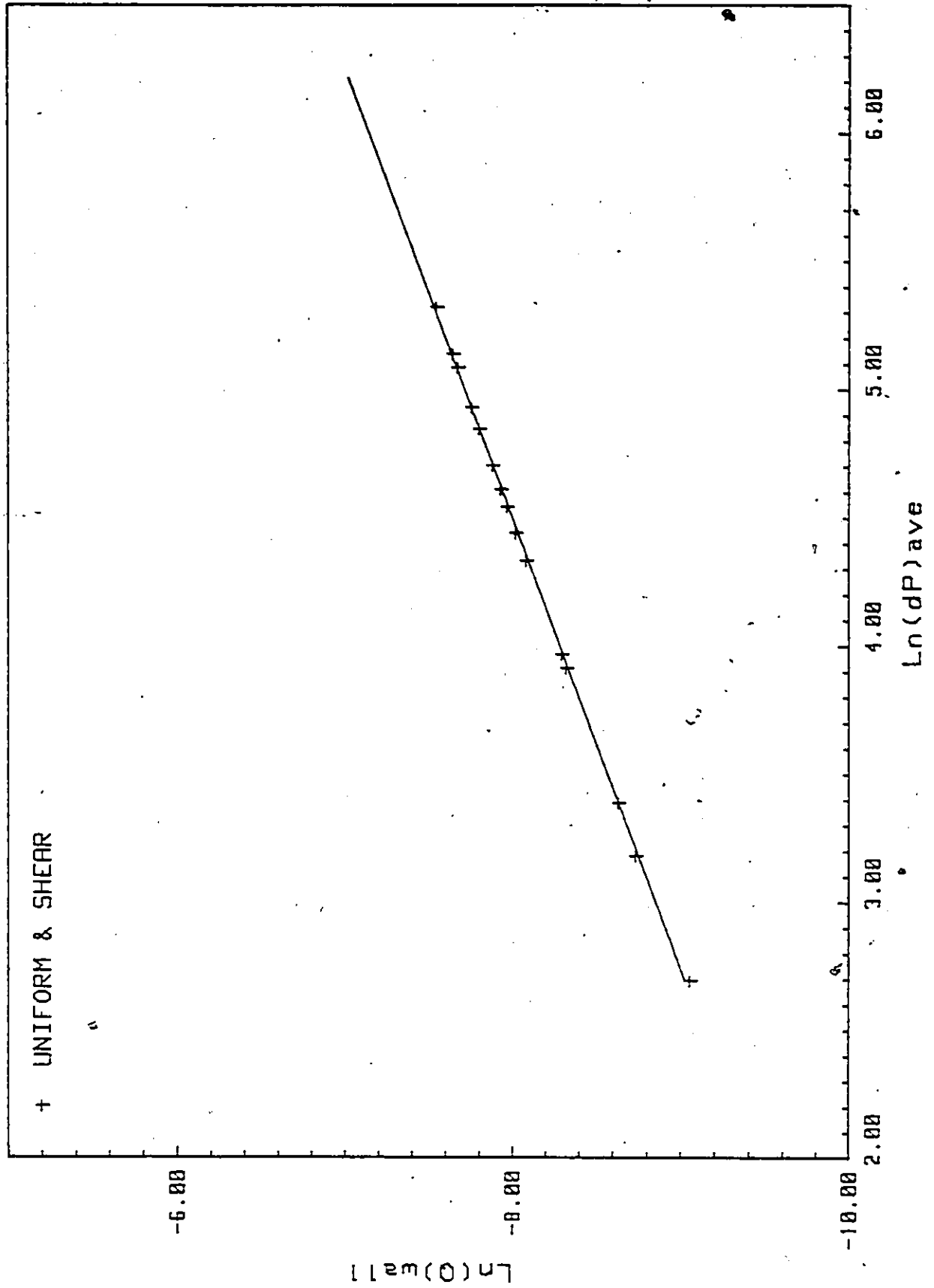


Fig 5.3 Regression Line For Air Infiltration Correlation

FLOW EXPONENT VS A_h/L_h

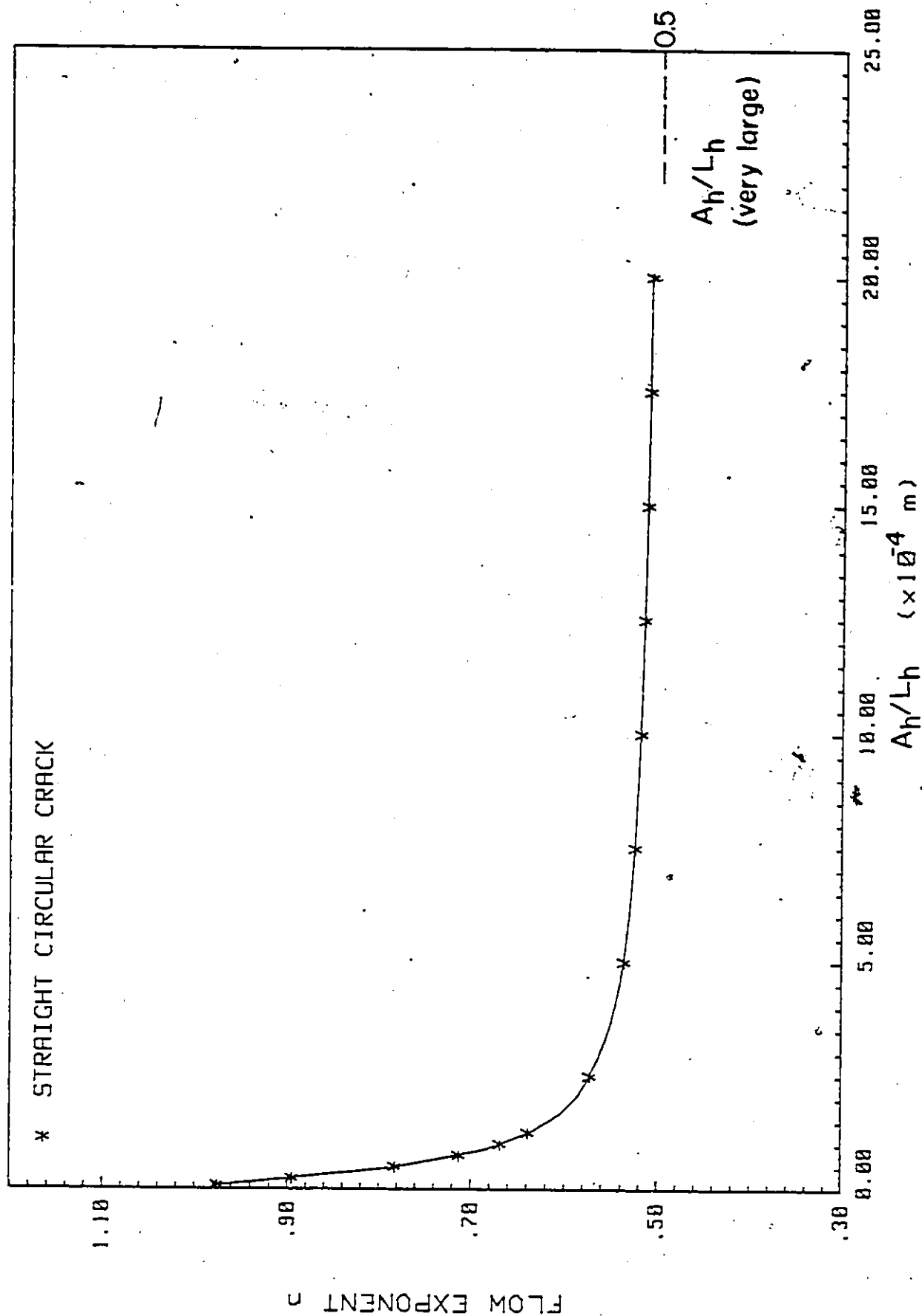


Fig 5.4 Flow Exponent, n , As a Function Of A_h/L_h

FLOW EXPONENT VS NUMBER OF HOLES

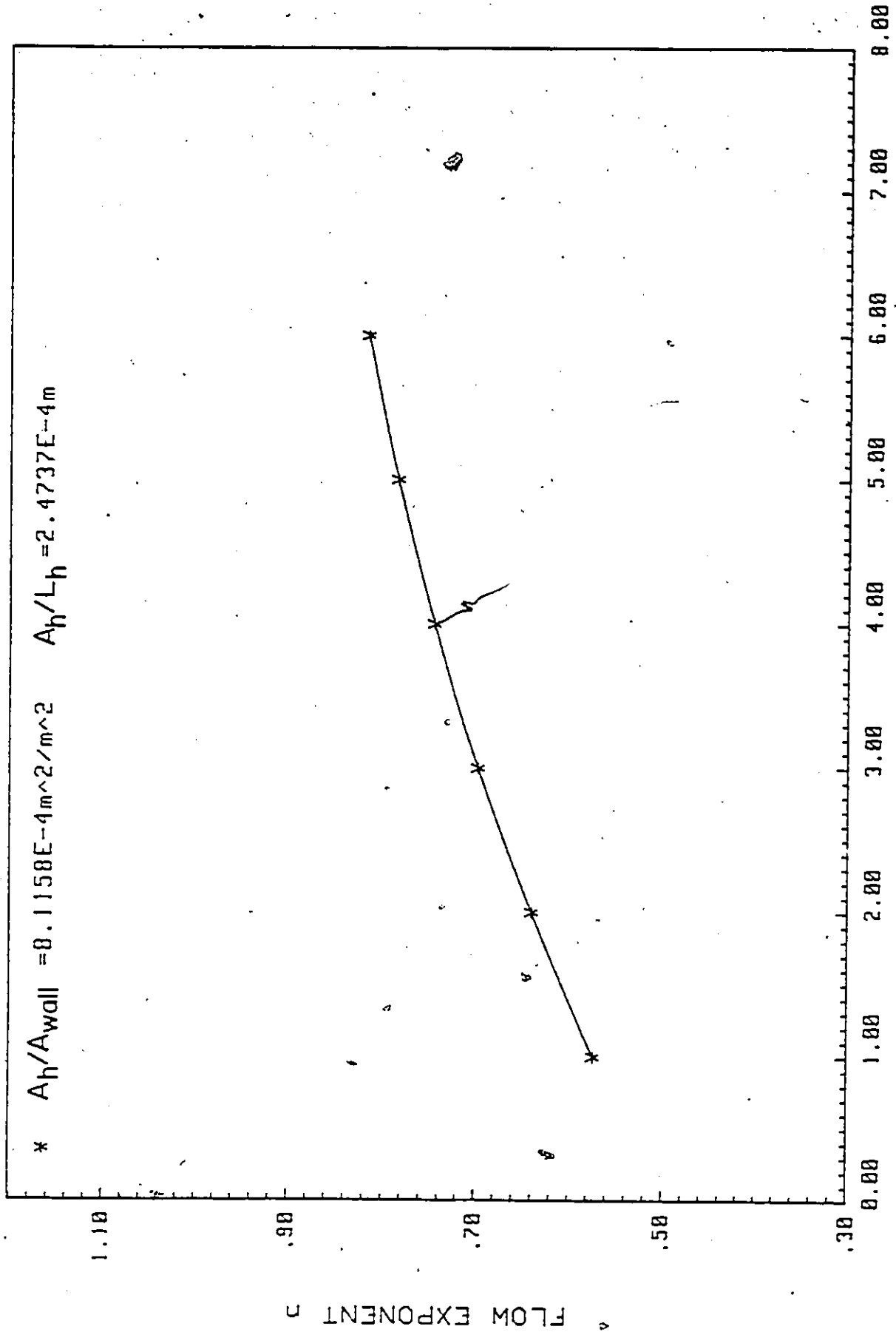


Fig 5.5 Flow Exponent, n , As a Function of N_h .

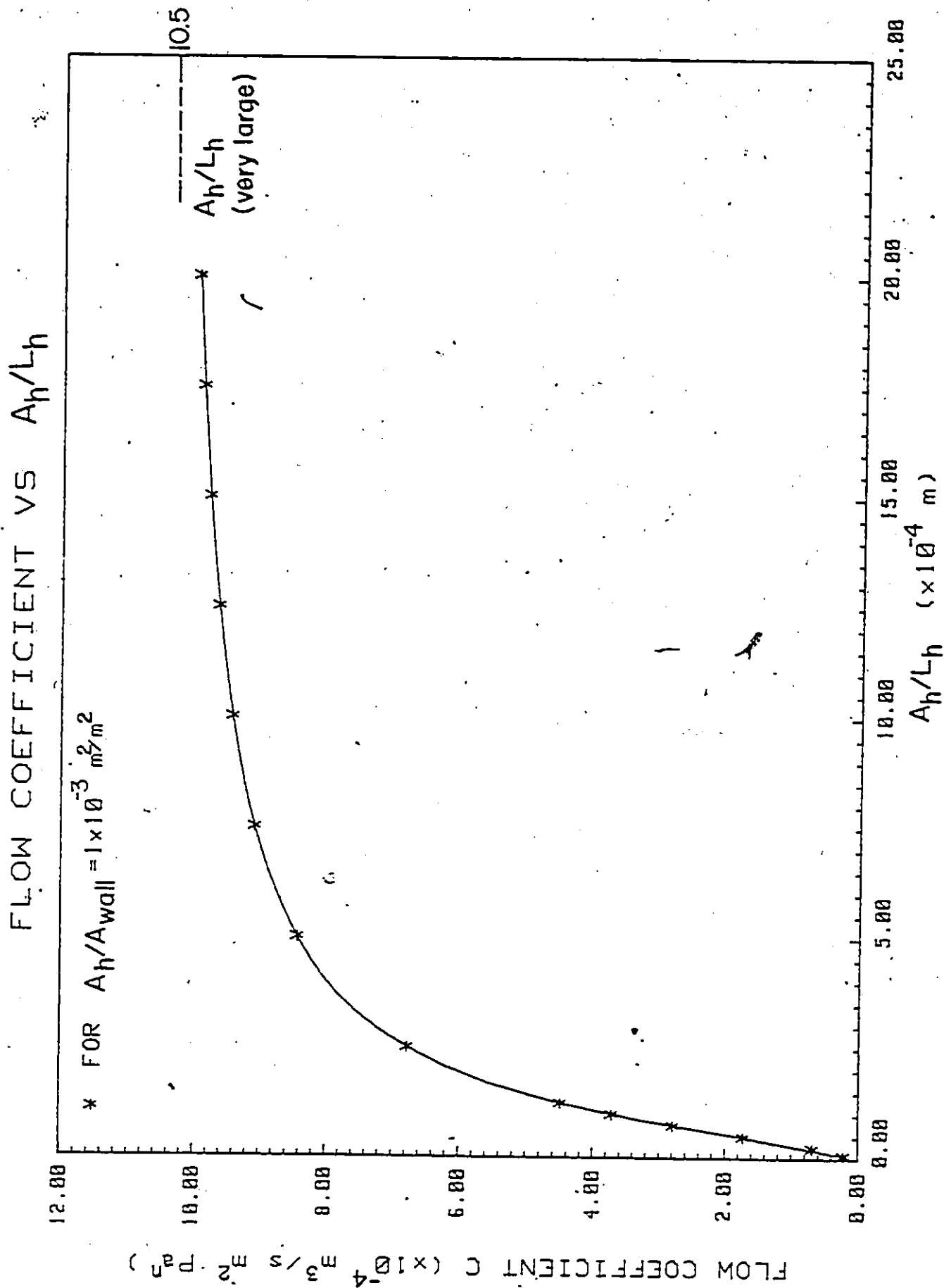


Fig 5.6 Flow Coefficient, C, As A Function Of A_h/L_h

FLOW COEFFICIENT VS A_h/A_{wall}

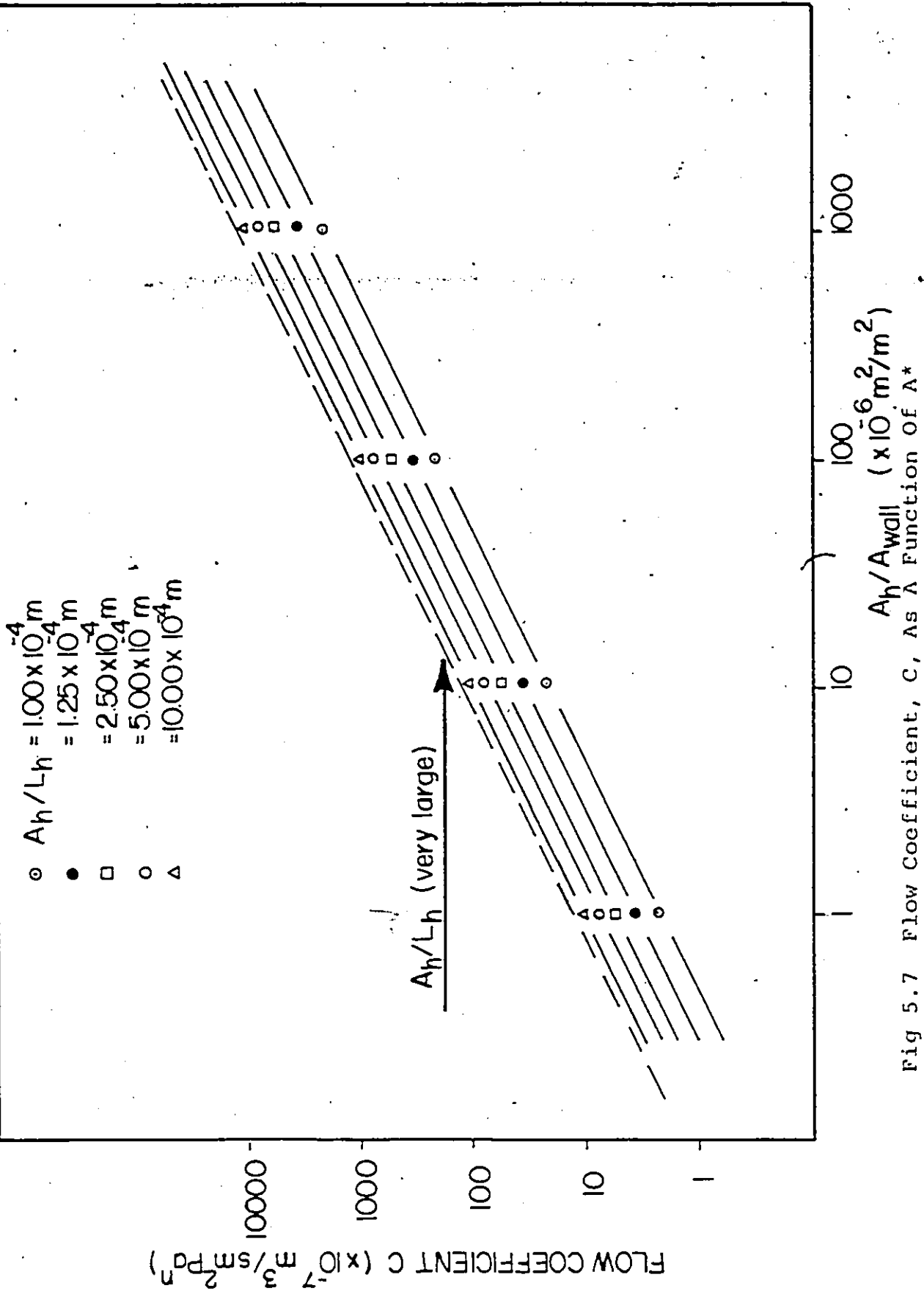


Fig 5.7 Flow Coefficient, C, As A Function OF A^*

FLOW COEFFICIENT VS NUMBER OF HOLES

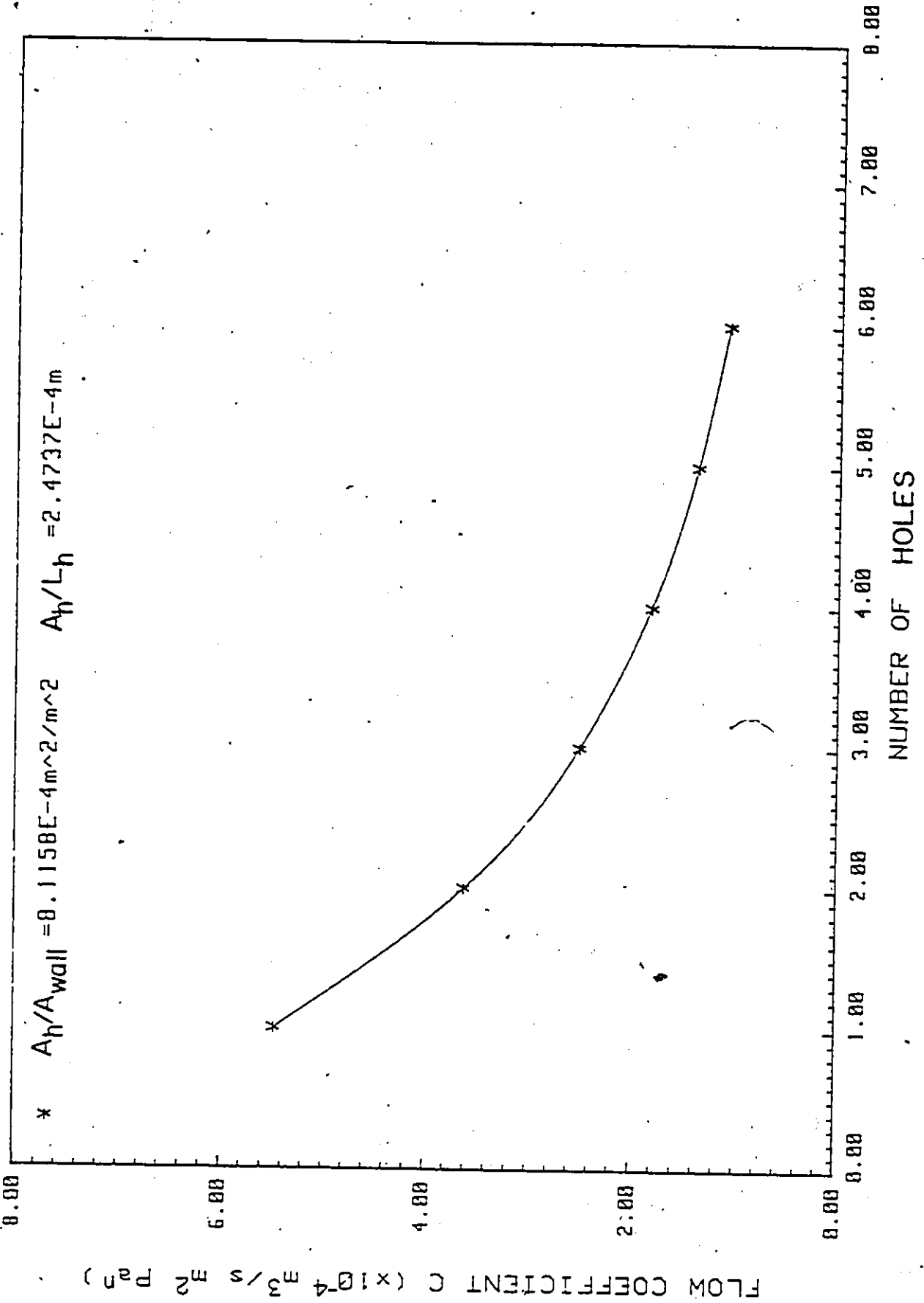


Fig 5.8 Flow Coefficient, C, As A Function Of N_h .

Pressure Drops

ΔP (mV)	ΔP (mm Hg)
5.06×10^{-3}	0.053
10.08×10^{-3}	0.128
22.15×10^{-3}	0.253
33.49×10^{-3}	0.415
43.09×10^{-3}	0.524
54.12×10^{-3}	0.660
67.74×10^{-3}	0.828
76.21×10^{-3}	0.940
88.29×10^{-3}	1.074

Table 3.1 Table of Pressure Drops in
Unit of mV and mm Hg.

TABLE OF CORRELATED EQUATIONS FOR PRESSURE DROPS DUE TO WIND ONLY AT VARIOUS WIND ANGLE.

WALL	TYPE OF FLOW	CORRELATED EQUATIONS FOR $\theta \leq \theta \leq 90$.
NORTH	UNIFORM	$dP_{W,N,\theta} / dP_{W,N,0} = 1.0000 - 1.1419 \times 10^{-2} \theta - 3.4815 \times 10^{-5} \theta^2$
	SHEAR	$dP_{W,N,\theta} / dP_{W,N,0} = 1.0000 - 9.8389 \times 10^{-3} \theta - 6.8857 \times 10^{-5} \theta^2$
EAST	UNIFORM	$dP_{W,E,\theta} / dP_{W,N,0} = -.2702 + 1.9078 \times 10^{-2} \theta - 5.3386 \times 10^{-5} \theta^2$
	SHEAR	$dP_{W,E,\theta} / dP_{W,N,0} = -.4421 + 2.9091 \times 10^{-2} \theta - 1.3944 \times 10^{-4} \theta^2$
SOUTH	UNIFORM	$dP_{W,S,\theta} / dP_{W,N,0} = -.0557 - 1.1430 \times 10^{-2} \theta + 1.0085 \times 10^{-4} \theta^2$
	SHEAR	$dP_{W,S,\theta} / dP_{W,N,0} = .0189 - 1.4030 \times 10^{-2} \theta + 9.5717 \times 10^{-5} \theta^2$
WEST	UNIFORM	$dP_{W,W,\theta} / dP_{W,N,0} = -.2633 - 7.9102 \times 10^{-3} \theta + 1.1894 \times 10^{-4} \theta^2$
	SHEAR	$dP_{W,W,\theta} / dP_{W,N,0} = -.4153 - 5.6069 \times 10^{-3} \theta + 1.1712 \times 10^{-4} \theta^2$

Table 4.1 Correlated Equations For Pressure Differentials Due To The Action Of Wind Only

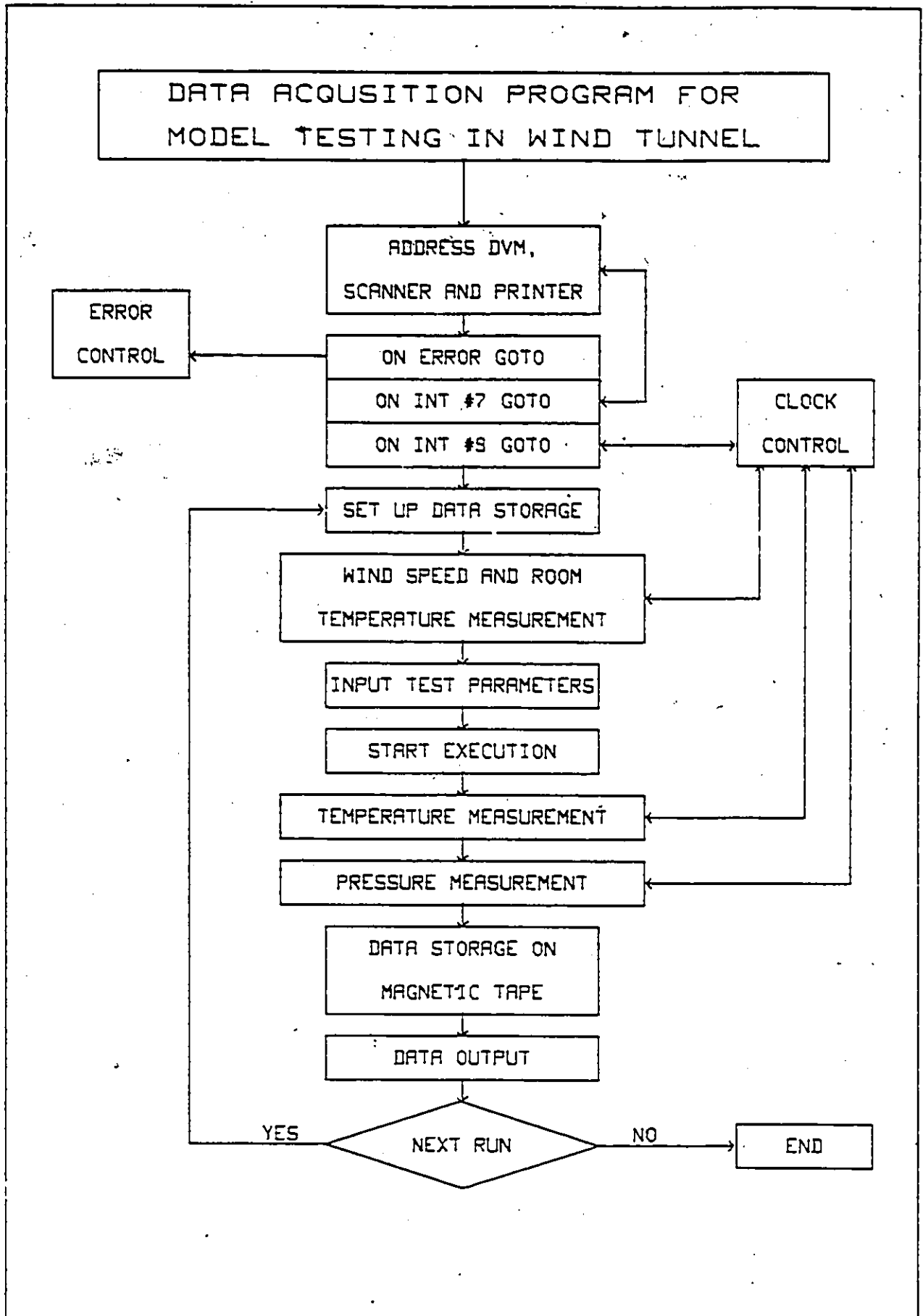
TABLE OF CORRELATED EQUATIONS FOR PRESSURE DROPS DUE TO BOTH WIND & MECHANICAL VENTILATION AT VARIOUS WIND ANGLE.		
WALL	TYPE OF FLOW	CORRELATED EQUATIONS FOR $\theta \leq 90^\circ$
NORTH	UNIFORM	$dP_{VW,N,\theta} / dP_{VW,N,0} = 1.0000 - 3.8802 \times 10^{-3} \theta - 2.9227 \times 10^{-5} \theta^2$
	SHEAR	$dP_{VW,N,\theta} / dP_{VW,N,0} = 1.0000 - 3.3666 \times 10^{-3} \theta - 1.7387 \times 10^{-5} \theta^2$
EAST	UNIFORM	$dP_{VW,E,\theta} / dP_{VW,N,0} = .4163 + 1.1476 \times 10^{-2} \theta - 5.5382 \times 10^{-5} \theta^2$
	SHEAR	$dP_{VW,E,\theta} / dP_{VW,N,0} = .5520 + 9.1405 \times 10^{-3} \theta - 4.6513 \times 10^{-5} \theta^2$
SOUTH	UNIFORM	$dP_{VW,S,\theta} / dP_{VW,N,0} = .5248 - 3.7717 \times 10^{-3} \theta + 2.5582 \times 10^{-5} \theta^2$
	SHEAR	$dP_{VW,S,\theta} / dP_{VW,N,0} = .6900 - 4.9200 \times 10^{-3} \theta + 3.6672 \times 10^{-5} \theta^2$
WEST	UNIFORM	$dP_{VW,W,\theta} / dP_{VW,N,0} = .4170 - 1.5542 \times 10^{-3} \theta + 3.0429 \times 10^{-5} \theta^2$
	SHEAR	$dP_{VW,W,\theta} / dP_{VW,N,0} = .5571 - 2.0000 \times 10^{-3} \theta + 3.9349 \times 10^{-5} \theta^2$

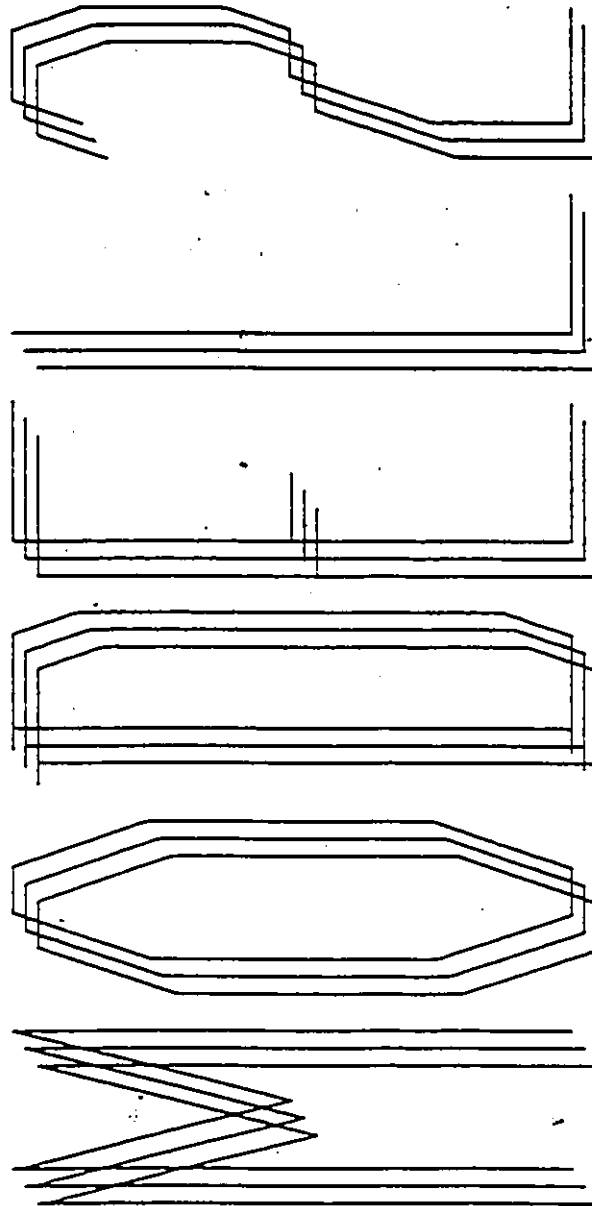
Table 4.2 Correlated Equations For Pressure Differentials Due To The Combined Actions Of Wind And Mechanical Ventilation

APPENDIX A

FLOW CHARTS AND LISTINGS OF COMPUTER PROGRAMS

- (1) MODEL2 : Main Program Of The Experiment
- (2) DUMP : Data Dump Program
- (3) AYSE1 : Program For Pressure And Pressure Coefficient Calculation
- (4) AYSE2 : Program For Air Infiltration Rates Calculation
- (5) AYSE3 : Program For Comparision Of Pressure Differentials
- (6) AYSE4 : Program For Internal Pressure Calculation By Trial And Error Method





DATA ACQUISITION PROGRAM FOR MODEL TESTING IN WIND TUNNEL (2)

This program is modified to collect 7 quantities of data of the model in the wind tunnel testing under various conditions. These 7 quantities of data are as follows:

- (1) Pressure differences at the North, East, South and West walls, a total of 36 outside pressure tappings, and the 4 internal pressure tappings wrt reference pressure.
- (2) Temperatures of the inside and outside of the model.
- (3) Wind velocity of the wind tunnel.
- (4) Mechanical ventilation flow rate. (Measure and input.)
- (5) Wind angle. (Measure and input.)
- (6) Type of flow. (Uniform or Shear.)
- (7) Location of opening. (***)

Data are stored in two different arrays - DATAS and TEMP_DATAS. Data are read into Temp_datas from scanner and Dvm and then moved into DATAS after interpretation. The other 4 quantities of data are input directly from the CRT.

The allocation of the data are as follows:

- Datas(01) to Datas(09) : Pressure differences at N31, N32, N33, N21, N22, N23, N11, N12 and N13.
- Datas(10) to Datas(18) : Pressure differences at E31, E32, E33, E21, E22, E23, E11, E12 and E13.
- Datas(19) to Datas(27) : Pressure differences at S31, S32, S33, S21, S22, S23, S11, S12 and S13.
- Datas(28) to Datas(36) : Pressure differences at W31, W32, W33, W21, W22, W23, W11, W12 and W13.
- Datas(37) to Datas(40) : Pressure differences at I4, I3, I2 and I1.
- Datas(41) to Datas(42) : Temperature of the inside and outside of the model in the wind tunnel.
- Datas(43) : Wind velocity of the wind tunnel.
- Datas(44) : Mechanical ventilation flow rate.
- Datas(45) : Wind angle.
- Datas(46) to Datas(50) : Start time.
- Datas(51) to Datas(55) : Stop time.
- T.flows : Type of flow. (Either uniform or shear.)
- L.open\$: Location of the opening.

All data are then stored into the magnetic cartridge and output of the result can either be on the CRT or hard copy printer.

For this version of the program, scanner channel 17 and 18 must be wired to the thermocouples to scan the inside and outside temperature of the model under testing, and channel 19 must be wired to the pressure transducer and scannivalve to scan all 40 pressure taps.

***** TO SET UP THE CRT *****

CRT ON
PRINTER IS 16

Define printer.

OPTION BASE 0

Define all arrays start at 1.

DIM Datas(55),Temp_datas(44),Tflows[30],Lopen\$[70]

To set timeout for 2 seconds.

SET TIMEOUT 7;2000

! // TO SET UP INSTRUMENT ADDRESSES //

Dvm=722

Define Dvm=722.

Scanner=709

Define Scanner=709.

! /// BRANCHING FOR ERROR & TIMEOUT ///

ON ERROR GOTO Error_controls

ON INT #7 GOTO Timeout_controls

ON INT #9 GOTO Clock_controls

GOTO 153

! ***** TIMEOUT HANDLING ROUTINE *****

Timeout_controls:

```

483      PRINT PAGE$
484      BEEP$
485
486      ! If device is Dvm and test is$
487      ! allowed, then print error$
488      ! message and wait for Dvm$
489      ! to come on line.$
490      IF (Device=Dvm) AND (Test_enable=1) THEN PRINT USING 90,"44444 PROGRAM$
491      WILL NOT EXECUTE UNTIL ";CHR$(134);"Dvm";CHR$(128);" IS ON LINE."$
492      IMAGE SX,K,K,K,K,K$
493      IF (Device=Dvm) AND (Test_enable=1) THEN PRINT USING 92,"44";CHR$(134);$
494      "Dvm DOWN";CHR$(128)$
495      IMAGE 6X,K,K,K,K,K$
496      IF (Device=Dvm) AND (Test_enable=1) THEN GOTO 154$
497
498      ! If device is printer, then print$
499      ! error message, clear interface$
500      ! bus and continue execution.$
501      IF Device=6 THEN ABORTIO 7$
502      IF (Device=6) AND (Ans1$="NO") THEN PRINT USING 99,"44444 ";CHR$(134);$
503      "PRINTER";CHR$(128);" DOWN, EXECUTION CONTINUE WITHOUT HARD_COPY OUTPUT."$
504      IMAGE +,SX,K,K,K,K,K$
505      IF (Device=6) AND (Ans1$="NO") THEN WAIT 2000$
506      IF (Device=6) AND (Ans1$="YES") THEN PRINT USING 102,"44444 PROGRAM WIL$
507      LL NOT EXECUTE UNTIL ";CHR$(134);"PRINTER";CHR$(128);" IS ON LINE."$
508      IMAGE SX,K,K,K,K,K$
509      IF (Device=6) AND (Ans1$="YES") THEN PRINT USING 104,"44";CHR$(134);"PR$
510      INTER DOWN";CHR$(128)$
511      IMAGE 6X,K,K,K,K,K$
512      IF (Device=6) AND (Ans1$="YES") THEN GOTO 234$
513      IF Device=6 THEN GOTO 238$
514
515      ! If timeout is not caused by any$
516      ! of the above, then print error$
517      ! message and halt execution.$
518      PRINT USING 111,"4444 ";CHR$(134);"UNKNOWN";CHR$(128);" TIMEOUT CAUSED $
519      HALT OF PROGRAM EXECUTION."$
520      IMAGE +,SX,K,K,K,K,K$
521      STOP$
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4159                                     ! %
4160 ! ##### PRINT PROGRAM RUNNING ##### %
4161                                     ! %
4162 PRINT PAGES %
4163 PRINT USING 164; "4444444" %;CHR$(135); " PROGRAM %
4164 RUNNING ";CHR$(128)%
4164 IMAGE +,K,K,K%
4165 WAIT 3000%
4166                                     ! %
4167                                     ! %
4168 ! ##### INPUT THERMOCOUPLE TYPE ##### %
4169                                     ! Read in type of thermocouple used.%
4170 PRINT PAGES %
4171 PRINT "4444444" Input thermocouple type. (E,J,K,R,S OR T)%
4172 BEEP%
4173 INPUT Type%$
4174                                     ! If thermocouple type is E,J,K,R,S%
4175                                     ! or T then execute or else output%
4176                                     ! error message and try again.%
4177 IF (Type$="E") OR (Type$="J") OR (Type$="K") OR (Type$="R") OR (Type$="S") %
4178 OR (Type$="T") THEN GOTO 185%
4178 PRINT PAGES %
4179 PRINT "4444444" INVALID THERMOCOUPLE TYPE%$
4180 BEEP%
4181 WAIT 1500%
4182 GOTO 170%
4183                                     ! %
4184                                     ! %
4185 ! ##### SET UP CLOCK AND Dvm ##### %
4186                                     ! %
4187 OUTPUT 9;"A" % Halt all units.%
4188 OUTPUT 9;"U1=" % Free unit one.%
4189 OUTPUT 9;"U1=D1" % Assign port 1 to unit one.%
4190 OUTPUT 9;"U1P",500 % Define unit 1 as periodic interrupt
4191                                     ! pt with period of .5 sec.%
4192 CONTROL MASK 9;128 % Set up control mask.%
4193 OUTPUT Dvm;"F1R7A1H1M0T3" % Dvm configuration.%
4194 LOCAL LOCKOUT 7 % Disable manual control of Dvm.%
4195 PRINT PAGES %
4196 OUTPUT 9;"U1G" % Start unit one.%
4197                                     ! %
4198                                     ! %
4199 ! ##### SET UP FOR DATA STORAGE ##### %
4200                                     ! %
4201 PRINT "4444444" Insert data cartridge and press % 5CONTINUE% %$
4202 BEEP%
4203 PAUSE %
4204 PRINT PAGES %
4205 CAT % Catalogue tape.%
4206 PRINT USING 207;"444 What is the address of the last file?"%
4207 IMAGE +,K%
4208 BEEP%
4209 INPUT Last_file % Input address of last file.%
4210 PRINT USING 207;" What is the size of the last file?(Number of records.)"%
4211 BEEP%
4212 INPUT File_size % Input size of last file.%
4213                                     ! Calculate maximum storage space.%
4214 Max_test=INT(847-Last_file-File_size)/3%
4215 PRINT USING 216;" Maximum number of tests allowed is ";Max_test;" %
4216                                     ! %
4216 IMAGE K,DDD,K%
4217 PRINT USING 218;" What is the name of the data file?(less than 7 letters.)"%
4218 IMAGE K%
4219 BEEP%
4220 INPUT File_name$ % Input name of data file.%
4221 CREATE File_name$,3 % Creates 3 records file on tape.%
4222 ASSIGN #1 TO File_name$%
4223                                     ! %
4224                                     ! %
4225 ! ##### PRINTING VERIFICATION ##### %
4226                                     ! %
4227 PRINT PAGE % Request for type of printing.%
4228 PRINT USING 229;"4444444 ";CHR$(134);"Do you want a hard copy print_out?",C%
4229 CHR$(128);"Answer YES or NO."%
4229 IMAGE 10X,K,K,K,K%
4230 BEEP%
4231 INPUT Ans1$ % Input type of printing device.%
4232 IF (Ans1$="YES") OR (Ans1$="NO") THEN GOTO 234%
4233 GOTO 228%
4234 Device="6" % Determine whether printer is on%
4235 STATUS 706;Stat % line.%
4236                                     ! %
4237                                     ! %
4238 ! / MEASUREMENT & INTERPRETATION LOOP %$

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4239
4240 PRINT PAGE$
4241 PRINT "*****"
4242 PRINT "If any error is made while keying datas for input, %
you would be %
4243 PRINT "able to change it later on in the program.%
4244 PAUSE % Please press CONT to proceed program execution.%
4245
4246
4247 % ***** TEST PARAMETER : TIME ***** %
4248 % Request for idling time.%
4249 PRINT PAGE$
4250 PRINT "*****"
4251 PRINT "Input idling time required for each set of reading.%
4252 PRINT "MINIMUM IDLING TIME IS 1 SECONDS!!!!!!!!!!"%
4253 BEEP$
4254 INPUT Idle$
4255 PRINT PAGE$
4256 IF Idle<1 THEN BEEP$
4257 IF Idle<1 THEN PRINT "*****"
4258 IF Change=1 THEN GOTO 402$
4259
4260 % Request for time constant.%
4261 PRINT PAGE$
4262 PRINT "*****"
4263 PRINT "Input time constant required for each reading.%
4264 PRINT "MINIMUM TIME PERIOD IS 5 SECONDS!!!!!!!!!!"%
4265 BEEP$
4266 INPUT Time$
4267 PRINT PAGE$
4268 IF Time<5 THEN BEEP$
4269 IF Time<5 THEN PRINT "*****"
4270 IF Time<5 THEN GOTO 261$
4271 Period=Time*2$
4272 PRINT PAGE$
4273 PRINT USING 273;"*****"
4274 NG$S FOR EACH DATA.%
4275 IMAGE K,DDD,K$
4276 PRINT USING 275;"%
4277 TIME PERIOD FOR ",Period," READINGS IS ",Time,"
4278 SECONDS.%
4279 IMAGE K,DDD,K,DDD,K$
4280 WAIT 1500$
4281 IF Change=2 THEN GOTO 402$
4282
4283 MAT Datas=(0)
4284 MAT Temp_datas=(0)
4285
4286 ! ***** TEST PARAMETER : WIND SPEED ***** !
4287 ! To record wind velocity.%
4288 PRINT PAGE$
4289 PRINT "*****"
4290 PRINT "Is this your initial reading with wind speed = 0"%
4291 PRINT "Answer YES OR NO.%
4292 BEEP$
4293 INPUT Ans6$
4294 IF Ans6$="YES" THEN Wind=0
4295 IF Ans6$="YES" THEN GOTO 365$
4296 IF Ans6$="NO" THEN GOTO 294$
4297 GOTO 285$
4298 PRINT PAGE$
4299 PRINT "*****"
4300
4301 Loops=1
4302 Ans3$=""
4303 Room_temp=0
4304 Temperature=0
4305 Reading=0
4306 Loop_enable=0$
4307 OUTPUT Scanner;"18"
4308 IF Loops=1 THEN OUTPUT Dvm;"F1R7A1H1M0T1"$
4309 IF Loops=1 THEN WAIT 2000$
4310 OUTPUT Dvm;"F1R7A1H1M0T3"$
4311 LOCAL LOCKOUT 7$
4312 TRIGGER Dvm
4313 ENTER Dvm;Reading
4314 Temperature=FNTemp(Types;Reading,0)$
4315 Room_temp=Room_temp+Temperature
4316 PRINT USING 313;"Room temperature measured is: ",Temperature;" degree C"%
4317 IMAGE +,10X,K,MOD.DD,K$
4318 CARD ENABLE 9
4319 GOTO 315
4320 Loops=Loops+1
4321 IF Loops<Period THEN GOTO 303
4322 Room_temp=Room_temp/Period

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4319 PRINT USING 313;"Average room temperature measured is: ",Room_temp;" degree%
4320 PRINT USING 321;"Please adjust scannivalve to #41.%
4321 IMAGE 10X,K%
4322 PRINT USING 321;"Press CONT to start measuring wind speed.%
4323 PRINT USING 321;"Type REPEAT to repeat room temperature measurement.%
4324 BEEP%
4325 INPUT Ans3%
4326 IF Ans3$="REPEAT" THEN GOTO 294%
4327 PRINT "%
4328 Wind=0%
4329
4330 Loops=1 ! Loop to measure wind speed.%
4331 Ans4$=""
4332 Reading=0 ! Initialize Reading.%
4333 Loop_enable=1%
4334 OUTPUT Scanner;"19" ! Use scanner 19 to scan wind speed.%
4335 IF Loops=1 THEN OUTPUT Dvm;"F1R7A1H1M0T1"%
4336 IF Loops=1 THEN WAIT 2000%
4337 OUTPUT Dvm;"F1R7A1H1M0T3" ! Dvm configuration.%
4338 LOCAL LOCKOUT 7%
4339 TRIGGER Dvm ! Trigger Dvm.%
4340 ENTER Dvm;Reading ! Store data in reading.%
4341 Temp_dats(44)=(Reading*12.3665-.006336)*133.3223684*1%
4342 Wind_vel=SQR(ABS(Temp_dats(44)*2/(1.293*(273+Room_temp))))%
4343 PRINT USING 344;"Wind velocity is: ",Wind_vel;" m/s"%
4344 IMAGE +,10X,K,DD.DD%
4345 Wind=Wind+Wind_vel ! Sum Wind_vel.%
4346 CARD ENABLE 9. ! Enable interrupt.%
4347 GOTO 347 ! Wait for interrupt from clock.%
4348 Loops=Loops+1 ! Increment counter.%
4349 IF Loops<=Period THEN GOTO 334 ! Condition looping.%
4350 Wind=Wind/Period ! Find the average.%
4351 PRINT USING 344;"Average wind velocity is: ",Wind;" m/s"%
4352 Dats(43)=Wind%
4353 IF Change=3 THEN GOTO 402%
4354 PRINT "%
4355 PRINT " Press CONT to proceed with other measurement.%
4356 PRINT " Type REPEAT to repeat wind speed measurement.%
4357 BEEP%
4358 INPUT Ans4%
4359 IF Ans4$="REPEAT" THEN GOTO 327%
4360 IF Change=2 THEN GOTO 327%
4361
4362 !
4363 ! //// TEST PARAMETER : VENTILATION ////
4364 ! To record flow rate.%
4365 PRINT "%
4366 PRINT USING 367;" Input mechanical ventilation.flow_rate. ( cfh )"%
4367 IMAGE +,K%
4368 BEEP%
4369 INPUT Flow ! Input flow_rate.%
4370 Dats(44)=Flow%
4371 IF Change=4 THEN GOTO 402%
4372
4373 !
4374 ! //// TEST PARAMETER : WIND ANGLE ////
4375 ! To record wind angle.%
4376 PRINT USING 367;" Input wind angle. ( degree )
4377 BEEP%
4378 INPUT Angle ! Input wind angle.%
4379 IF (Angle<0) OR (Angle>360) THEN PRINT USING 359;" INVALID WIND ANGLE.%
4380 IF (Angle<0) OR (Angle>360) THEN GOTO 376%
4381 Dats(45)=Angle%
4382 IF Change=5 THEN GOTO 402%
4383
4384 !
4385 ! /// TEST PARAMETER : TYPE OF FLOW ///
4386 ! Input type of flow.%
4387 PRINT USING 367;" Input type of flow. ( Uniform or Shear.)"%
4388 BEEP%
4389 INPUT Tflow%
4390 IF Change=6 THEN GOTO 402%
4391
4392 !
4393 ! /// TEST PARAMETER : LOC OPENING ///
4394 ! Input location of opening.%
4395 PRINT USING 367;" Input location of opening. (*** ***)"%
4396 BEEP%
4397 INPUT Lopen%
4398
4399 !
4400 ! //// LISTING OF TEST PARAMETERS ////

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4401
4402 PRINT PAGE
4403 PRINT "***** DATAS OF ALL INPUT.%"
4404 PRINT USING 406;"(1)IDLING TIME IS : ";Idle;" sec.%"
4405 PRINT USING 406;"(2)TIME CONSTANT IS: ";Time;" sec.%"
4406 IMAGE 10X,K,DDD.DD,K%
4407 PRINT USING 406;"(3)WIND VELOCITY IS: ";Datas(43);" m/s.%"
4408 PRINT USING 409;"(4)MECHANICAL FLOW : ";Flow;" cfh.%"
4409 IMAGE 10X,K,DDDD.DD,K%
4410 PRINT USING 406;"(5)WIND ANGLE : ";Angle;" degree%"
4411 PRINT USING 412;"(6)TYPE OF FLOW : ";Tflow%
4412 IMAGE 10X,K,40A%
4413 PRINT USING 412;"(7)LOC OF OPENING : ";Lopen%
4414
4415 PRINT " If there is any changes press the number of that line then
4416 PRINT " If there is no changes then press CONT to proceed.%"
4417 PRINT "Change=0%"
4418 Change=0%
4419 INPUT Changes%
4420 IF Change=1 THEN GOTO 249 ! Branching to appropriate line.%
4421 IF Change=2 THEN GOTO 261%
4422 IF Change=3 THEN GOTO 327%
4423 IF Change=4 THEN GOTO 366%
4424 IF Change=5 THEN GOTO 376%
4425 IF Change=6 THEN GOTO 387%
4426 IF Change=7 THEN GOTO 395%
4427 IF Change=0 THEN GOTO 428%
4428 PRINT PAGES%
4429
4430
4431 ! /// TEST MEASUREMENT : TEMPERATURE ///%
4432
4433 PRINT "***** Press CONTINUE for first temperature measurement.%"
4434 BEEP%
4435 PAUSE %
4436
4437 OUTPUT 9;"R" ! Read start time from clock.%
4438 ENTER 9;Datas(46),Datas(47),Datas(48),Datas(49),Datas(50)%
4439
4440 ! To measure temperature.%
4441 FOR J=41 TO 42%
4442 Loops=1 ! Initial counter.%
4443 Reading=0%
4444 Loop_enable=2 ! Enable interrupt from clock.%
4445 PRINT "*****%
4446 OUTPUT Scanner USING "ZZ";J-24 ! Use scanner to scan temperature.%
4447 IF Loops=1 THEN OUTPUT Dvm;"F1R7A1H1M0T1"%
4448 IF Loops=1 THEN WAIT 2000%
4449 IF Loops=1 THEN PRINT "*****%
4450 OUTPUT Dvm;"F1R7A1H1M0T3" ! Dvm configuration.%
4451 LOCAL LOCKOUT 7%
4452 PRINT USING 453;" READING # ",Loops," OF ",Period," READINGS. %
4453
4454 IMAGE +,K,DDD,K,DDD,K%
4455 TRIGGER Dvm%
4456 ENTER Dvm;Reading ! Store data in READING.%
4457 Temp_datas(J)=Temp_datas(J)+Reading ! Sum all reading.%
4458 CARD_ENABLE 9 ! Enable interrupt.%
4459 GOTO 458 ! Wait for interrupt from clock.%
4460 Loops=Loops+1 ! Increment counter.%
4461 IF Loops<=Period THEN GOTO 452 ! Condition looping.%
4462 Temp_datas(J)=Temp_datas(J)/Period ! Find the average of the readings.%
4463 PRINT PAGES%
4464 IF J=42 THEN GOTO 474%
4465 PRINT PAGES%
4466 PRINT "***** Press CONTINUE for next temperature scanning.%"
4467 BEEP%
4468 PAUSE %
4469
4470 NEXT J%
4471 Ans7=" "
4472
4473 ! /// TEST MEASUREMENT : PRESSURE ///%
4474
4475 PRINT PAGES%
4476 FOR J=1 TO 40%
4477 Loops=1 ! Initial counter.%
4478 Reading=0%
4479 Loop_enable=3 ! Enable interrupt.%
4480 PRINT USING 480;"***** Adjust scannivalve for pressure_tap # ";%
4481
4482 IMAGE K,ZZ%
4483 PRINT USING 482;"***** Press";CHR$(134);" CONTINUE ";CHR$(128);%

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482  activate scanner to scan pressure_tap # ",J%
483  IMAGE K,K,K,K,K,ZZ%
484  BEEP%
485  INPUT Ans7%
486  IF Ans7%="STOP" THEN GOTO 507%
487  OUTPUT Scanner,"19" ! Use scanner 19 to scan pressure.%
488  IF Loops=1 THEN OUTPUT Dvm,"F1R7A1H1MOT1"%
489  IF Loops=1 THEN PRINT USING 489,"",% SYSTEM IS IDLING FOR ",1%
490  SECONDS FOR Dvm TO STABILIZE....."%
491  IMAGE K,DDD,K%
492  IF Loops=1 THEN WAIT Idle%1000%
493  IF Loops=1 THEN PRINT "","",%
494  OUTPUT Dvm,"F1R7A1H1MOT3" ! Dvm configuration.%
495  LOCAL LOCKOUT 7%
496  PRINT USING 495,"",% READING # ",Loops," OF ",Period," READINGS. %
497  IMAGE +,K,DDD,K,DDD,K%
498  TRIGGER Dvm%
499  ENTER Dvm,Reading ! Store data in reading.%
500  Temp_dats(J)=Temp_dats(J)+Reading ! Sum all reading.%
501  CARD ENABLE 9 ! Enable interrupt.%
502  GOTO 500 ! Wait for interrupt from clock.%
503  Loops=Loops+1 ! Increment counter.%
504  IF Loops<=Period THEN GOTO 494 ! Condition looping.%
505  Temp_dats(J)=Temp_dats(J)/Period ! Find the average.%
506  PRINT PAGE%
507  NEXT J%
508  PRINT "COMPLETE SCANNING ALL PRESSURE TAPS."%
509  PRINT "PROGRAM PROCEEDS FOR DATAS INTERPRETATION AND STORAGE."%
510  PRINT "PLEASE WAIT....."%
511  ! //// INTERPRETATION : TEMPERATURE ////
512  ! Loops to calculate temperature.%
513  FOR I=41 TO 42%
514  Temperature=FNTemp(Type$,Temp_dats(I),0)%
515  IF (Temperature>100) OR (Temperature<-100) THEN Dats(I)=0%
516  IF (Temperature<100) AND (Temperature>-100) THEN Dats(I)=Temperature%
517  NEXT I%
518  ! //// INTERPRETATION : PRESSURE ////
519  ! Loops to calculate pressure.%
520  FOR I=1 TO 40%
521  Dats(I)=(Temp_dats(I)*12.3665-.006336)*133.3223684*1%
522  NEXT I%
523  OUTPUT 9,"R" ! Read stop time from clock.%
524  ENTER 9,Dats(51),Dats(52),Dats(53),Dats(54),Dats(55)%
525  ! //// DATA STORAGE ON TAPE ////
526  ! Restore data for data storage.%
527  A=Dats(1)%
528  B=Dats(2)%
529  C=Dats(3)%
530  D=Dats(4)%
531  E=Dats(5)%
532  F=Dats(6)%
533  G=Dats(7)%
534  H=Dats(8)%
535  I=Dats(9)%
536  J=Dats(10)%
537  K=Dats(11)%
538  L=Dats(12)%
539  M=Dats(13)%
540  N=Dats(14)%
541  O=Dats(15)%
542  P=Dats(16)%
543  Q=Dats(17)%
544  R=Dats(18)%
545  S=Dats(19)%
546  T=Dats(20)%
547  U=Dats(21)%
548  V=Dats(22)%
549  W=Dats(23)%
550  X=Dats(24)%
551  Y=Dats(25)%
552  Z=Dats(26)%
553  ! Store data 1 to 26 on tape.%
554  PRINT #1,1,A,B,C,D,E,F,G,H,I,J,K,L,M,N,O,P,Q,R,S,T,U,V,W,X,Y,Z,END%
555  ! Restore remaining data on tape.%

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4563 A=Datas(27)%
4564 B=Datas(28)%
4565 C=Datas(29)%
4566 D=Datas(30)%
4567 E=Datas(31)%
4568 F=Datas(32)%
4569 G=Datas(33)%
4570 H=Datas(34)%
4571 I=Datas(35)%
4572 J=Datas(36)%
4573 K=Datas(37)%
4574 L=Datas(38)%
4575 M=Datas(39)%
4576 N=Datas(40)%
4577 O=Datas(41)%
4578 P=Datas(42)%
4579 Q=Datas(43)%
4580 R=Datas(44)%
4581 S=Datas(45)%
4582 T=Datas(46)%
4583 U=Datas(47)%
4584 V=Datas(48)%
4585 W=Datas(49)%
4586 X=Datas(50)%
4587 Y=Datas(51)%
4588 Z=Datas(52)%
4589 Z1=Datas(53)%
4590 Z2=Datas(54)%
4591 Z3=Datas(55)%
4592                                     ! Store data 27 to 55 on tape.%
4593 PRINT #1,2,A,B,C,D,E,F,G,H,I,J,K,L,M,N,O,P,Q,R,S,T,U,V,W,X,Y,Z,Z1,Z2,Z3,END%
4594                                     ! %
4595 PRINT #1,3,Tflow$,Lopen$,END%
4596                                     ! %
4597                                     ! %
4598                                     ! To determine month.%
4599 IF Datas(46)=0 THEN Month$="" TEST "%
4600 IF Datas(46)=1 THEN Month$="" JANUARY "%
4601 IF Datas(46)=2 THEN Month$="" FEBRUARY "%
4602 IF Datas(46)=3 THEN Month$="" MARCH "%
4603 IF Datas(46)=4 THEN Month$="" APRIL "%
4604 IF Datas(46)=5 THEN Month$="" MAY "%
4605 IF Datas(46)=6 THEN Month$="" JUNE "%
4606 IF Datas(46)=7 THEN Month$="" JULY "%
4607 IF Datas(46)=8 THEN Month$="" AUGUST "%
4608 IF Datas(46)=9 THEN Month$="" SEPTEMBER "%
4609 IF Datas(46)=10 THEN Month$="" OCTOBER "%
4610 IF Datas(46)=11 THEN Month$="" NOVEMBER "%
4611 IF Datas(46)=12 THEN Month$="" DECEMBER "%
4612                                     ! %
4613                                     ! %
4614 ! ##### TO SET UP FOR PRINTING #####
4615                                     ! %
4616 IF Ans1$="YES" THEN PRINTER IS 7,6 ! Select printing device.%
4617 PRINT PAGE%
4618                                     ! Print out test name.%
4619 PRINT USING 620;"%4444 ",CHR$(132),"DATA FOR ",File_name$,CHR$(128)%
4620 IMAGE 10X,K,K,K,K,K,%
4621                                     ! Print out test time.%
4622 PRINT USING 623;" ",CHR$(132),"START TIME: ",Datas(48)," ",Datas(49)," ",D%
4623 datas(50), " FOR ",Datas(47), " ",Month$, " 1981.",CHR$(128)%
4624 IMAGE 10X,K,K,K,K,ZZ,K,ZZ,K,ZZ,K,ZZ,K,K,K,%
4625                                     ! Print out pressure differences.%
4626 PRINT USING 626;"% Pressure difference at N31 is: ",Datas(1)," Pa."%
4627 PRINT USING 626;" Pressure difference at N32 is: ",Datas(2)," Pa."%
4628 PRINT USING 626;" Pressure difference at N33 is: ",Datas(3)," Pa."%
4629 PRINT USING 626;" Pressure difference at N21 is: ",Datas(4)," Pa."%
4630 PRINT USING 626;" Pressure difference at N22 is: ",Datas(5)," Pa."%
4631 PRINT USING 626;" Pressure difference at N23 is: ",Datas(6)," Pa."%
4632 PRINT USING 626;" Pressure difference at N11 is: ",Datas(7)," Pa."%
4633 PRINT USING 626;" Pressure difference at N12 is: ",Datas(8)," Pa."%
4634 PRINT USING 626;" Pressure difference at N13 is: ",Datas(9)," Pa."%
4635 PRINT USING 626;" Pressure difference at E31 is: ",Datas(10)," Pa."%
4636 PRINT USING 626;" Pressure difference at E32 is: ",Datas(11)," Pa."%
4637 PRINT USING 626;" Pressure difference at E33 is: ",Datas(12)," Pa."%
4638 PRINT USING 626;" Pressure difference at E21 is: ",Datas(13)," Pa."%
4639 PRINT USING 626;" Pressure difference at E22 is: ",Datas(14)," Pa."%
4640 PRINT USING 626;" Pressure difference at E23 is: ",Datas(15)," Pa."%
4641 PRINT USING 626;" Pressure difference at E11 is: ",Datas(16)," Pa."%
4642 PRINT USING 626;" Pressure difference at E12 is: ",Datas(17)," Pa."%
4643 PRINT USING 626;" Pressure difference at E13 is: ",Datas(18)," Pa."%
4644 PRINT USING 626;" Pressure difference at S31 is: ",Datas(19)," Pa."%
4645 PRINT USING 626;" Pressure difference at S32 is: ",Datas(20)," Pa."%

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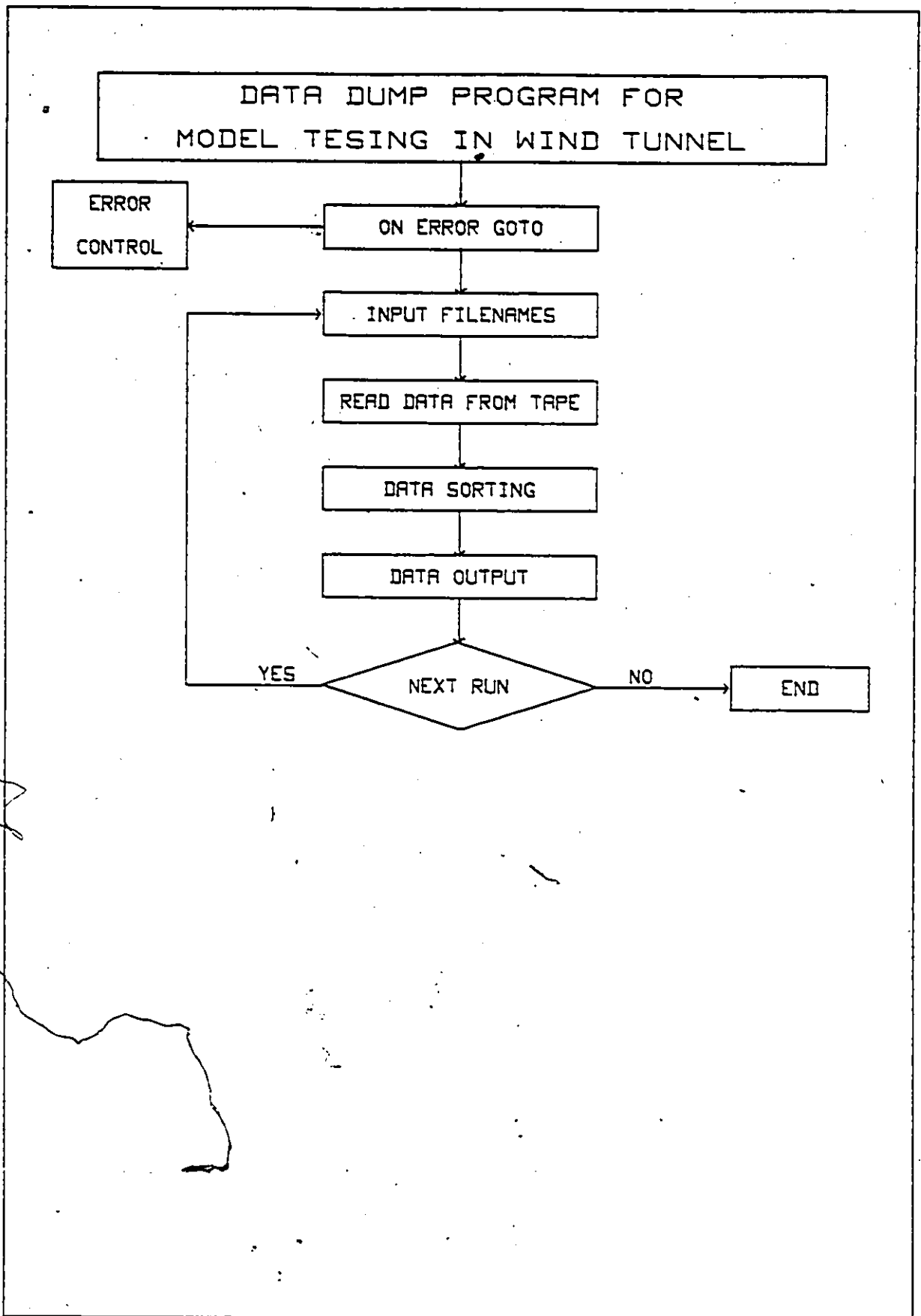
4646 PRINT USING 626; " Pressure difference at S33 is: ", Data$(21), " Pa."
4647 PRINT USING 626; " Pressure difference at S21 is: ", Data$(22), " Pa."
4648 PRINT USING 626; " Pressure difference at S22 is: ", Data$(23), " Pa."
4649 PRINT USING 626; " Pressure difference at S23 is: ", Data$(24), " Pa."
4650 PRINT USING 626; " Pressure difference at S11 is: ", Data$(25), " Pa."
4651 PRINT USING 626; " Pressure difference at S12 is: ", Data$(26), " Pa."
4652 PRINT USING 626; " Pressure difference at S13 is: ", Data$(27), " Pa."
4653 PRINT USING 626; " Pressure difference at W31 is: ", Data$(28), " Pa."
4654 PRINT USING 626; " Pressure difference at W32 is: ", Data$(29), " Pa."
4655 PRINT USING 626; " Pressure difference at W33 is: ", Data$(30), " Pa."
4656 PRINT USING 626; " Pressure difference at W21 is: ", Data$(31), " Pa."
4657 PRINT USING 626; " Pressure difference at W22 is: ", Data$(32), " Pa."
4658 PRINT USING 626; " Pressure difference at W23 is: ", Data$(33), " Pa."
4659 PRINT USING 626; " Pressure difference at W11 is: ", Data$(34), " Pa."
4660 PRINT USING 626; " Pressure difference at W12 is: ", Data$(35), " Pa."
4661 PRINT USING 626; " Pressure difference at W13 is: ", Data$(36), " Pa."
4662 PRINT USING 626; " Pressure difference at I4 is: ", Data$(37), " Pa."
4663 PRINT USING 626; " Pressure difference at I3 is: ", Data$(38), " Pa."
4664 PRINT USING 626; " Pressure difference at I2 is: ", Data$(39), " Pa."
4665 PRINT USING 626; " Pressure difference at I1 is: ", Data$(40), " Pa."
4666 ! Print out temperatures.
4667 PRINT USING 668; " Temperature inside is: ", Data$(41), " Degree C."
4668 IMAGE 15X,K,DDD.DD,K
4669 PRINT USING 668; " Temperature outside is: ", Data$(42), " Degree C."
4670 ! Print out wind speed.
4671 PRINT USING 672; " Wind velocity of wind tunnel is: ", Data$(43), " m/s."
4672 IMAGE 15X,K,DD.DD,K
4673 ! Print out mechanical ventilation.
4674 PRINT USING 675; " Mechanical ventilation flow rate is: ", Data$(44), " cfm."
4675 IMAGE 15X,K,DDD.DD,K
4676 ! Print out wind angle.
4677 PRINT USING 678; " Wind angle is: ", Data$(45), " Degree."
4678 IMAGE 15X,K,DDD,K
4679 ! Print out type of flow.
4680 PRINT USING 681; " Type of flow is: ", Tflow$
4681 IMAGE 15X,K,K
4682 ! Print out location of opening.
4683 PRINT USING 681; " Location of opening: ", Lopen$
4684 ! End of data.
4685 PRINT USING 686; " ;CHR$(132); End of data for ", File_name$,CHR$(128)
4686 IMAGE 10X,K,K,K,K,K
4687 ! Print out stopping time.
4688 PRINT USING 689; " ;CHR$(132); Stop time: ", Data$(53), " ", Data$(54), " ", Data$(55);CHR$(128)
4689 IMAGE 10X,K,K,K,ZZ,K,ZZ,K,ZZ
4690 !
4691 !
4692 ! ***** LOOP FOR NEXT TEST *****
4693 ! Request for next test.
4694 PRINTER IS 16
4695 PRINT PAGE$
4696 PRINT "***** Would you like to proceed for next test? (Answer YES or NO)."
4697 BEEP$
4698 INPUT Ans2$
4699 IF Ans2$="YES" THEN GOTO 204$
4700 PRINT PAGE$
4701 END$
4702 !
4703 !
4704 ! **** SUBPROGRAM TO CALCULATE THERMOCOUPLE TEMPERATURE ****
4705 !
4706 DEF FNTemp(Type$,Voltage,Junct) !--- Temp
4707 Rev. A$
4708 DIM Junc(3),Coeff(9)
4709 ON POS("EJKRST",Type$(1,1)) GOTO E,J,K,R,S,T$
4710 E: Junc(1)=5.8637565E1$
4711 Junc(2)=4.670025E-2$
4712 Junc(3)=-1.4438022E-5$
4713 Coeff(0)=1.04967248$
4714 Coeff(1)=17189.45282$
4715 Coeff(2)=-282639.085$
4716 Coeff(3)=12695339.5$
4717 Coeff(4)=-448703084.6$
4718 Coeff(5)=1.70866E10$
4719 Coeff(6)=-1.76807E11$
4720 Coeff(7)=1.71842E12$
4721 Coeff(8)=-9.19278E12$
4722 Coeff(9)=2.06132E13$
4723 Temp=FNPoly9(Coeff(*),FNPoly3(Junc(*),Junc(*)*1E-6*Voltage)$
4724 J: GOTO R$
4725 Junc(1)=5.0373743E1$
Junc(2)=3.0167011E-2$

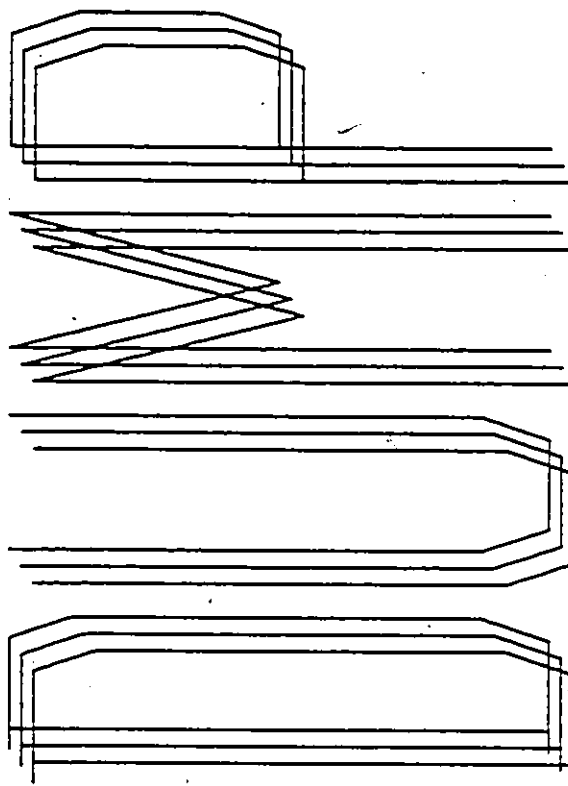
```

```

4726      Junct(3)=-7.4293513E-5%
4727      Coeff(0)=-.048868252%
4728      Coeff(1)=19873.14503%
4729      Coeff(2)=-218614.5353%
4730      Coeff(3)=11569199.78%
4731      Coeff(4)=-264917531.4%
4732      Coeff(5)=2018441314%
4733      Temp=FNPoly5(Coeff(*),Voltage+1E-6*FNPoly3(Junct(*),Junct))%
4734      GOTO Rtn%
4735 K:      Junct(1)=3.9448872E1%
4736      Junct(2)=2.4548362E-2%
4737      Junct(3)=-9.0918433E-5%
4738      Coeff(0)=.226584602%
4739      Coeff(1)=24152.109%
4740      Coeff(2)=67233.4248%
4741      Coeff(3)=2210340.682%
4742      Coeff(4)=-860963914.9%
4743      Coeff(5)=4.83506E10%
4744      Coeff(6)=-1.18452E12%
4745      Coeff(7)=1.3869E13%
4746      Coeff(8)=-6.33708E13%
4747      Temp=FNPoly8(Coeff(*),Voltage+1E-6*FNPoly3(Junct(*),Junct))%
4748      GOTO Rtn%
4749 R:      Junct(1)=5.2891411%
4750      Junct(2)=1.3844426E-2%
4751      Junct(3)=-2.0889531E-5%
4752      Coeff(0)=.263632917%
4753      Coeff(1)=179075.491%
4754      Coeff(2)=-48840341.37%
4755      Coeff(3)=1.90002E10%
4756      Coeff(4)=-4.82704E12%
4757      Coeff(5)=7.62091E14%
4758      Coeff(6)=-7.20026E16%
4759      Coeff(7)=3.71496E18%
4760      Coeff(8)=-8.03104E19%
4761      Temp=FNPoly8(Coeff(*),Voltage+1E-6*FNPoly3(Junct(*),Junct))%
4762      GOTO Rtn%
4763 S:      Junct(1)=5.3994446%
4764      Junct(2)=1.2467754E-2%
4765      Junct(3)=-1.993416E-5%
4766      Coeff(0)=.927763167%
4767      Coeff(1)=169526.515%
4768      Coeff(2)=-31568363.94%
4769      Coeff(3)=8990730663%
4770      Coeff(4)=-1.63565E12%
4771      Coeff(5)=1.88027E14%
4772      Coeff(6)=-1.37241E16%
4773      Coeff(7)=6.17501E17%
4774      Coeff(8)=-1.56105E19%
4775      Coeff(9)=1.69535E20%
4776      Temp=FNPoly9(Coeff(*),Voltage+1E-6*FNPoly3(Junct(*),Junct))%
4777      GOTO Rtn%
4778 T:      Junct(1)=3.8680238E1%
4779      Junct(2)=4.1277001E-2%
4780      Coeff(0)=.10086091%
4781      Coeff(1)=25727.94369%
4782      Coeff(2)=-767345.8295%
4783      Coeff(3)=78025595.81%
4784      Coeff(4)=-9247486589%
4785      Coeff(5)=6.97688E11%
4786      Coeff(6)=-2.66192E13%
4787      Coeff(7)=3.94078E14%
4788      Temp=FNPoly8(Coeff(*),Voltage+1E-6*((Junct(2)*Junct+Junct(1))*Junct))%
4789 Rtn:    RETURN Temp%
4790      DEF FNPoly9(Co(*),Val)=((((((((Co(9)*Val+Co(8))*Val+Co(7))*Val+Co(6))*Val+
4791      +Co(5))*Val+Co(4))*Val+Co(3))*Val+Co(2))*Val+Co(1))*Val+Co(0)%
4791      DEF FNPoly8(Co(*),Val)=((((((((Co(8)*Val+Co(7))*Val+Co(6))*Val+Co(5))*Val+
4792      +Co(4))*Val+Co(3))*Val+Co(2))*Val+Co(1))*Val+Co(0)%
4792      DEF FNPoly5(Co(*),Val)=((((Co(5)*Val+Co(4))*Val+Co(3))*Val+Co(2))*Val+Co(
4793      +1))*Val+Co(0)%
4793      DEF FNPoly3(Co(*),Value)=((Co(3)*Value+Co(2))*Value+Co(1))*Value%
4794      FND%
4795

```





DATA DUMP PROGRAM FOR MODEL TESTING IN WIND TUNNEL

This program is designed to dump out 7 quantities of data stored on tape by Data acquisition program for model testing in the wind tunnel.

The program will dump the data on tape onto the CRT or hard copy printer in the form as follows:

- (1) Pressure differences at the North, East, South and West walls and the 4 internal pressure differences
- (3) Wind velocity of the wind tunnel.
- (4) Mechanical ventilation flow rate.
- (5) Wind angle.
- (6) Type of flow.
- (7) Location of opening.

Data are read from the tape and stored into the DATAS array and T.flow\$ and L.open\$.

The allocation of the data are as follows:

- Datas(01) to Datas(09) : Pressure difference at N31, N32, N33, N21, N22, N23, N11, N12 and N13.
- Datas(10) to Datas(18) : Pressure difference at E31, E32, E33, E21, E22, E23, E11, E12 and E13.
- Datas(19) to Datas(27) : Pressure difference at S31, S32, S33, S21, S22, S23, S11, S12 and S13.
- Datas(28) to Datas(36) : Pressure difference at W31, W32, W33, W21, W22, W23, W11, W12 and W13.
- Datas(37) to Datas(40) : Pressure difference at I4, I3, I2 and I1.
- Datas(41) to Datas(42) : Temperature of the inside and outside of the model in the wind tunnel.
- Datas(43) : Wind velocity of the wind tunnel.
- Datas(44) : Mechanical ventilation flow rate.
- Datas(45) : Wind angle.
- Datas(46) to Datas(50) : Start time.
- Datas(51) to Datas(55) : Stop time.
- T.flow\$: Type of flow.
- L.open\$: Location of the opening.

***** TO SET UP THE CRT *****

```
CRT ON %
PRINTER IS 16
OPTION BASE 0
DIM Datas(55),Tflow$(30),Lopen$(70)
MAT Datas=(0)
```

***** BRANCHING FOR ERROR *****

```
ON ERROR GOTO Error_controls
GOTO 84%
```

***** ERROR TRAPPING ROUTINE *****

```
Error_control:
PRINT PAGE%
BEEP%
IF (ERRN=56) AND (ERRL=101) THEN PRINT "*****" SPECIFIED F%
GOTO 84%
IF (ERRN=56) AND (ERRL=101) THEN WAIT 2000%
IF (ERRN=56) AND (ERRL=101) THEN GOTO 92%
IF (ERRN=58) AND (ERRL=101) THEN PRINT "*****" SPECIFIED F%
GOTO 84%
IF (ERRN=58) AND (ERRL=101) THEN WAIT 2000%
IF (ERRN=59) AND (ERRL=101) THEN GOTO 92%
IF (ERRN=59) AND (ERRL=103) THEN GOTO 104%
IF (ERRN=59) AND (ERRL=132) THEN GOTO 133%
IF (ERRN=59) AND (ERRL=165) THEN GOTO 166%
PRINT ERRM%
STOP%
```

```

481
482 ! /// INSERT DATA CARTRIDGE //////////
483
484 PRINT PAGES
485 PRINT "*****"
486 PRINT "Switch on printer if hard-copy printout is required."
487 PRINT "Insert data cartridge and press CONT."
488 PAUSE
489
490 ! ////////// CAT DATA FILE //////////
491
492 PRINT PAGES
493 CAT
494
495 PRINT "Catalogue tape."
496 PRINT "Get filename."
497 INPUT Filename$
498
499 ! ////////// READ DATAS FROM TAPE //////////
500
501 ASSIGN #1 TO Filename$
502
503 READ #1,1,A,B,C,D,E,F,G,H,I,J,K,L,M,N,O,P,Q,R,S,T,U,V,W,X,Y,Z
504
505 Datas(1)=A
506 Datas(2)=B
507 Datas(3)=C
508 Datas(4)=D
509 Datas(5)=E
510 Datas(6)=F
511 Datas(7)=G
512 Datas(8)=H
513 Datas(9)=I
514 Datas(10)=J
515 Datas(11)=K
516 Datas(12)=L
517 Datas(13)=M
518 Datas(14)=N
519 Datas(15)=O
520 Datas(16)=P
521 Datas(17)=Q
522 Datas(18)=R
523 Datas(19)=S
524 Datas(20)=T
525 Datas(21)=U
526 Datas(22)=V
527 Datas(23)=W
528 Datas(24)=X
529 Datas(25)=Y
530 Datas(26)=Z
531
532 READ #1,2,A,B,C,D,E,F,G,H,I,J,K,L,M,N,O,P,Q,R,S,T,U,V,W,X,Y,Z,Z1,Z2,Z3
533
534 Datas(27)=A
535 Datas(28)=B
536 Datas(29)=C
537 Datas(30)=D
538 Datas(31)=E
539 Datas(32)=F
540 Datas(33)=G
541 Datas(34)=H
542 Datas(35)=I
543 Datas(36)=J
544 Datas(37)=K
545 Datas(38)=L
546 Datas(39)=M
547 Datas(40)=N
548 Datas(41)=O
549 Datas(42)=P
550 Datas(43)=Q
551 Datas(44)=R
552 Datas(45)=S
553 Datas(46)=T
554 Datas(47)=U
555 Datas(48)=V
556 Datas(49)=W
557 Datas(50)=X
558 Datas(51)=Y
559 Datas(52)=Z
560 Datas(53)=Z1
561 Datas(54)=Z2
562 Datas(55)=Z3
563
564
565 Read string datas from tape.

```

```

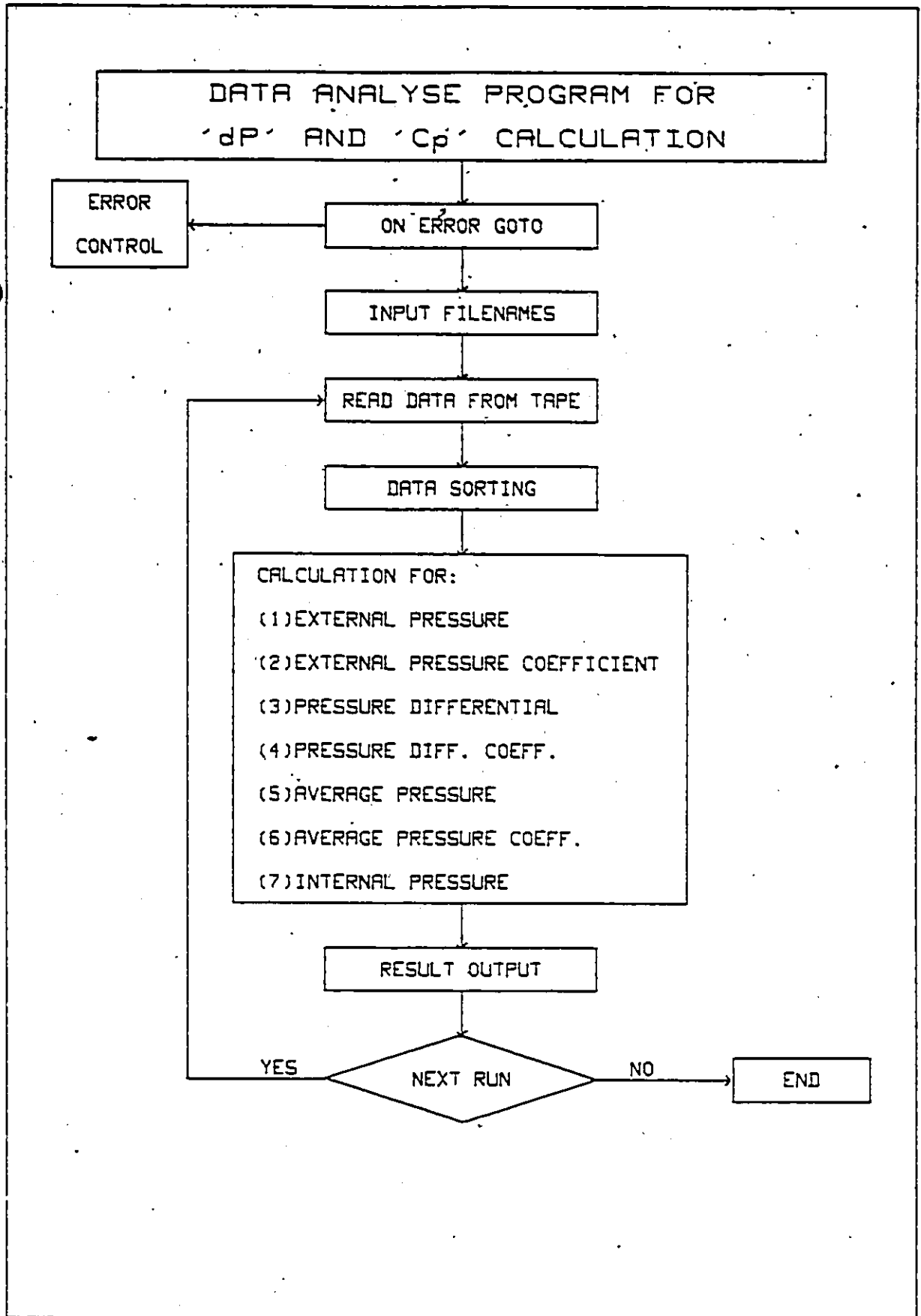
4165 READ #1,3;Tflow$,Lopen$
4166
4167
4168 IF Datas(46)=0 THEN Months$=" TEST "
4169 IF Datas(46)=1 THEN Months$=" JANUARY "
4170 IF Datas(46)=2 THEN Months$=" FEBRUARY "
4171 IF Datas(46)=3 THEN Months$=" MARCH "
4172 IF Datas(46)=4 THEN Months$=" APRIL "
4173 IF Datas(46)=5 THEN Months$=" MAY "
4174 IF Datas(46)=6 THEN Months$=" JUNE "
4175 IF Datas(46)=7 THEN Months$=" JULY "
4176 IF Datas(46)=8 THEN Months$=" AUGUST "
4177 IF Datas(46)=9 THEN Months$=" SEPTEMBER "
4178 IF Datas(46)=10 THEN Months$=" OCTOBER "
4179 IF Datas(46)=11 THEN Months$=" NOVEMBER "
4180 IF Datas(46)=12 THEN Months$=" DECEMBER "
4181
4182
4183 ! ***** TO SET UP FOR PRINTING *****
4184
4185 PRINT PAGES
4186 PRINT "*****"
4187 PRINT "Would you like a hardcopy print out?"
4188 BEEP$
4189 INPUT Ans1$
4190 IF Ans1$="YES" THEN PRINTER IS 7,6 ! Select printing device.
4191 PRINT PAGES
4192
4193 PRINT USING 194;"*****";CHR$(132);"DATA FOR ";Filename$;CHR$(128)
4194 IMAGE 10X,K,K,K,K,K$
4195
4196 PRINT USING 197;"*****";CHR$(132);"START TIME";Datas(48);":";Datas(49);":";Ds
4197 (50);" FOR ";Datas(47);":";Months$;" 1981";CHR$(128)
4198 IMAGE 10X,K,K,K,ZZ,K,ZZ,K,ZZ,K,ZZ,K,K,K$
4199
4199 PRINT USING 200;"***** Pressure difference at N31 is: ";Datas(1);" Pa."
4200 IMAGE 15X,K,MDDDD.0DD,K$
4201 PRINT USING 200;" Pressure difference at N32 is: ";Datas(2);" Pa."
4202 PRINT USING 200;" Pressure difference at N33 is: ";Datas(3);" Pa."
4203 PRINT USING 200;" Pressure difference at N21 is: ";Datas(4);" Pa."
4204 PRINT USING 200;" Pressure difference at N22 is: ";Datas(5);" Pa."
4205 PRINT USING 200;" Pressure difference at N23 is: ";Datas(6);" Pa."
4206 PRINT USING 200;" Pressure difference at N11 is: ";Datas(7);" Pa."
4207 PRINT USING 200;" Pressure difference at N12 is: ";Datas(8);" Pa."
4208 PRINT USING 200;" Pressure difference at N13 is: ";Datas(9);" Pa."
4209 PRINT USING 200;" Pressure difference at E31 is: ";Datas(10);" Pa."
4210 PRINT USING 200;" Pressure difference at E32 is: ";Datas(11);" Pa."
4211 PRINT USING 200;" Pressure difference at E33 is: ";Datas(12);" Pa."
4212 PRINT USING 200;" Pressure difference at E21 is: ";Datas(13);" Pa."
4213 PRINT USING 200;" Pressure difference at E22 is: ";Datas(14);" Pa."
4214 PRINT USING 200;" Pressure difference at E23 is: ";Datas(15);" Pa."
4215 PRINT USING 200;" Pressure difference at E11 is: ";Datas(16);" Pa."
4216 PRINT USING 200;" Pressure difference at E12 is: ";Datas(17);" Pa."
4217 PRINT USING 200;" Pressure difference at E13 is: ";Datas(18);" Pa."
4218 PRINT USING 200;" Pressure difference at S31 is: ";Datas(19);" Pa."
4219 PRINT USING 200;" Pressure difference at S32 is: ";Datas(20);" Pa."
4220 PRINT USING 200;" Pressure difference at S33 is: ";Datas(21);" Pa."
4221 PRINT USING 200;" Pressure difference at S21 is: ";Datas(22);" Pa."
4222 PRINT USING 200;" Pressure difference at S22 is: ";Datas(23);" Pa."
4223 PRINT USING 200;" Pressure difference at S23 is: ";Datas(24);" Pa."
4224 PRINT USING 200;" Pressure difference at S11 is: ";Datas(25);" Pa."
4225 PRINT USING 200;" Pressure difference at S12 is: ";Datas(26);" Pa."
4226 PRINT USING 200;" Pressure difference at S13 is: ";Datas(27);" Pa."
4227 PRINT USING 200;" Pressure difference at W31 is: ";Datas(28);" Pa."
4228 PRINT USING 200;" Pressure difference at W32 is: ";Datas(29);" Pa."
4229 PRINT USING 200;" Pressure difference at W33 is: ";Datas(30);" Pa."
4230 PRINT USING 200;" Pressure difference at W21 is: ";Datas(31);" Pa."
4231 PRINT USING 200;" Pressure difference at W22 is: ";Datas(32);" Pa."
4232 PRINT USING 200;" Pressure difference at W23 is: ";Datas(33);" Pa."
4233 PRINT USING 200;" Pressure difference at W11 is: ";Datas(34);" Pa."
4234 PRINT USING 200;" Pressure difference at W12 is: ";Datas(35);" Pa."
4235 PRINT USING 200;" Pressure difference at W13 is: ";Datas(36);" Pa."
4236 PRINT USING 200;" Pressure difference at I4 is: ";Datas(37);" Pa."
4237 PRINT USING 200;" Pressure difference at I3 is: ";Datas(38);" Pa."
4238 PRINT USING 200;" Pressure difference at I2 is: ";Datas(39);" Pa."
4239 PRINT USING 200;" Pressure difference at I1 is: ";Datas(40);" Pa."
4240
4241 PRINT USING 242;"***** Temperature inside is: ";Datas(41);" Degree C."
4242 IMAGE 15X,K,MDD.DD,K$
4243 PRINT USING 242;" Temperature outside is: ";Datas(42);" Degree C."
4244
4245 PRINT USING 246;"***** Wind velocity of wind tunnel is: ";Datas(43);" m/s."
4246 IMAGE 15X,K,DD.DD,K$
4247
4247 ! Print mechanical ventilation.

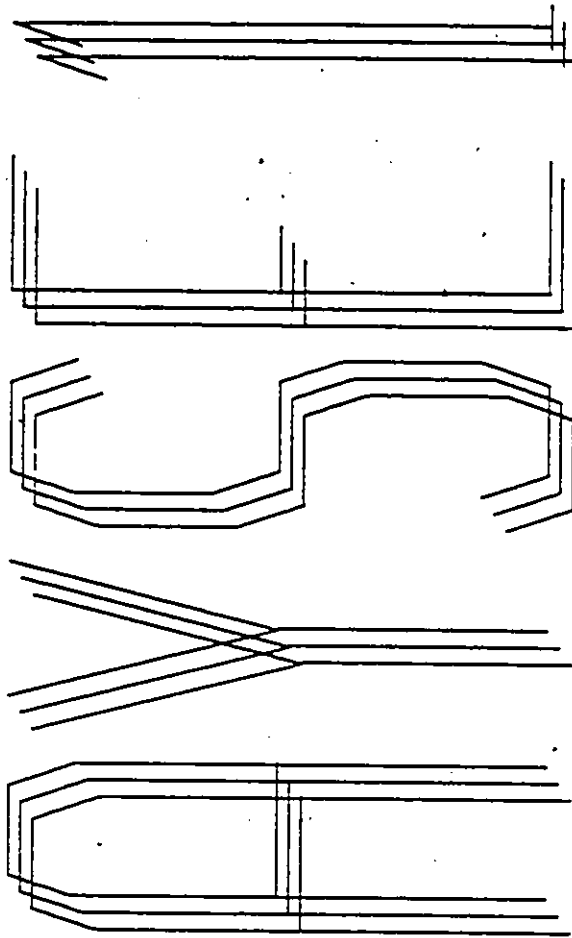
```

```

4248 PRINT USING 249; "Mechanical ventilation flow rate is: ", Datas(44), " cfh.%
4249 IMAGE 15X,K,DDD.DD,K%
4250                                     ! Print wind angle.%
4251 PRINT USING 252; "Wind angle is: ", Datas(45), " Degree.%
4252 IMAGE 15X,K,DDD,K%
4253                                     ! Print type of flow.%
4254 PRINT USING 255; "Type of flow is: ", Tflow%
4255 IMAGE 15X,K,K%
4256                                     ! Print location of opening.%
4257 PRINT USING 255; "Location of opening: ", Lopent%
4258                                     ! End of test.%
4259 PRINT USING 260; " ", CHR$(132), "End of data for ", Filename$, CHR$(128)%
4260 IMAGE 10X,K,K,K,K,K%
4261                                     ! Print stop: time.%
4262 PRINT USING 263; " ", CHR$(132), "Stop time: ", Datas(53), " ", Datas(54), " ", Datas(55), CHR$(128)%
4263 IMAGE 10X,K,K,K,K,ZZ,K,ZZ,K,ZZ%
4264                                     ! %
4265                                     ! %
4266 ! ***** LOOP TO DUMP OTHER TEST *****
4267                                     ! Request for next test.%
4268 PRINTER IS 16%
4269 PRINT PAGE%
4270 PRINT "***** Would you like to dump another test datas? (Answer %
YES or NO) %
4271 BEEP%
4272 INPUT Ans2%
4273 IF Ans2%="YES" THEN GOTO 92%
4274 PRINT PAGE%
4275 END%

```





```

1
2
3      PROGRAM FOR PRESSURE AND PRESSURE COEFFICIENT
4      *****
5
6      This program is designed to calculate the external pressure wrt
7      to reference pressure, the pressure difference across the wall, the
8      pressure coefficient based on external pressure and finally the
9      pressure coefficient based on pressure difference across the wall.
10
11      dP = Pressure difference across the wall.
12      dPw = External pressure wrt reference pressure.
13      Cp = Pressure coefficient based on dP.
14      Cpw = Pressure coefficient based on dPw.
15
16
17
18
19      ***** TO SET UP THE CRT *****
20
21      CRT ON %
22      PRINTER IS 16
23
24      OPTION BASE 0
25      DIM Dates$(55), Tflow$(30), Lopen$(70), Press(36), Cp(36), Cpw(36), File$(40)%
26
27
28      ***** CAT DATA CARTRIDGE *****
29
30      PRINT PAGES%
31      PRINT "*****"
32      BEEP%
33      PAUSE %
34      CAT %
35      Change=0
36
37      PRINT " "
38      BEEP%
39      INPUT Num%
40      IF Num<=40 THEN 45%
41      PRINT PAGES%
42      BEEP%
43      PRINT "*****"
44      WAIT 1500%
45      GOTO 36%
46      PRINT PAGES%
47      FOR I=1 TO Num
48          PRINT USING 48; " "
49          IMAGE K, DD%
50          BEEP%
51          INPUT File$(I)%
52          PRINT USING 52; " "
53          IMAGE K, DD, K, K%
54      NEXT I%
55      WAIT 1500%
56      PRINT PAGE%
57      PRINT " "
58      PRINT "*****"
59      FOR I=1 TO Num%
60          PRINT USING 61; " "
61          IMAGE K, DD, K, K%
62      NEXT I%
63      PRINT " "
64      PRINT " "
65      BEEP%
66      INPUT Changes%
67      IF Change=0 THEN GOTO 76%
68      PRINT PAGES%
69      PRINT USING 70; " "
70      IMAGE K, DD%
71      BEEP%
72      INPUT File$(Change)%
73      Change=0%
74      GOTO 55%
75
76
77      ***** SET UP FOR PRINTING *****
78
79      PRINT PAGES%
80      PRINT "*****"

```



```

481 WAIT 3000%
482
483 ! ##### LOOP TO EXECUTE #####
484
485 FOR Loop=1 TO Num
486
487 MAT Datas=(0)%
488 MAT Press=(0)%
489 MAT Cp=(0)%
490 MAT Cpw=(0)%
491
492 ! ##### BRANCHING FOR ERROR #####
493
494 ON ERROR GOTO Error_controls%
495 GOTO 116%
496
497
498 ! ##### ERROR TRAPPING ROUTINE #####
499
500 Error_controls:
501 PRINT PAGE%,
502 BEEP%,
503 IF ERRN=56 THEN PRINT "##### SPECIFIED FILE NOT ON TAPE%"
504 IF ERRN=56 THEN WAIT 2000%
505 IF ERRN=56 THEN GOTO 46%
506 IF ERRN=58 THEN PRINT "##### SPECIFIED FILE NOT A DATA FILE"
507 IF ERRN=58 THEN WAIT 2000%
508 IF ERRN=58 THEN GOTO 46%
509 IF (ERRN=59) AND (ERRL=159) THEN GOTO 160%
510 IF (ERRN=59) AND (ERRL=188) THEN GOTO 189%
511 IF (ERRN=59) AND (ERRL=221) THEN GOTO 222%
512 PRINT ERRM%
513 STOP%
514
515
516 ! ##### READ DATAS FROM TAPE #####
517
518 IF Loop=1 THEN ASSIGN #1 TO File$(1)%
519 IF Loop=2 THEN ASSIGN #1 TO File$(2)%
520 IF Loop=3 THEN ASSIGN #1 TO File$(3)%
521 IF Loop=4 THEN ASSIGN #1 TO File$(4)%
522 IF Loop=5 THEN ASSIGN #1 TO File$(5)%
523 IF Loop=6 THEN ASSIGN #1 TO File$(6)%
524 IF Loop=7 THEN ASSIGN #1 TO File$(7)%
525 IF Loop=8 THEN ASSIGN #1 TO File$(8)%
526 IF Loop=9 THEN ASSIGN #1 TO File$(9)%
527 IF Loop=10 THEN ASSIGN #1 TO File$(10)%
528 IF Loop=11 THEN ASSIGN #1 TO File$(11)%
529 IF Loop=12 THEN ASSIGN #1 TO File$(12)%
530 IF Loop=13 THEN ASSIGN #1 TO File$(13)%
531 IF Loop=14 THEN ASSIGN #1 TO File$(14)%
532 IF Loop=15 THEN ASSIGN #1 TO File$(15)%
533 IF Loop=16 THEN ASSIGN #1 TO File$(16)%
534 IF Loop=17 THEN ASSIGN #1 TO File$(17)%
535 IF Loop=18 THEN ASSIGN #1 TO File$(18)%
536 IF Loop=19 THEN ASSIGN #1 TO File$(19)%
537 IF Loop=20 THEN ASSIGN #1 TO File$(20)%
538 IF Loop=21 THEN ASSIGN #1 TO File$(21)%
539 IF Loop=22 THEN ASSIGN #1 TO File$(22)%
540 IF Loop=23 THEN ASSIGN #1 TO File$(23)%
541 IF Loop=24 THEN ASSIGN #1 TO File$(24)%
542 IF Loop=25 THEN ASSIGN #1 TO File$(25)%
543 IF Loop=26 THEN ASSIGN #1 TO File$(26)%
544 IF Loop=27 THEN ASSIGN #1 TO File$(27)%
545 IF Loop=28 THEN ASSIGN #1 TO File$(28)%
546 IF Loop=29 THEN ASSIGN #1 TO File$(29)%
547 IF Loop=30 THEN ASSIGN #1 TO File$(30)%
548 IF Loop=31 THEN ASSIGN #1 TO File$(31)%
549 IF Loop=32 THEN ASSIGN #1 TO File$(32)%
550 IF Loop=33 THEN ASSIGN #1 TO File$(33)%
551 IF Loop=34 THEN ASSIGN #1 TO File$(34)%
552 IF Loop=35 THEN ASSIGN #1 TO File$(35)%
553 IF Loop=36 THEN ASSIGN #1 TO File$(36)%
554 IF Loop=37 THEN ASSIGN #1 TO File$(37)%
555 IF Loop=38 THEN ASSIGN #1 TO File$(38)%
556 IF Loop=39 THEN ASSIGN #1 TO File$(39)%
557 IF Loop=40 THEN ASSIGN #1 TO File$(40)%
558
559 READ #1,1,A,B,C,D,E,F,G,H,I,J,K,L,M,N,O,P,Q,R,S,T,U,V,W,X,Y,Z%
560
561 Datas(1)=A%
562 Datas(2)=B%
563 Datas(3)=C%

```

Read data 1 to 26 from tape.%
Reallocate memory.%

```

4164 Datas(4)=D%
4165 Datas(5)=E%
4166 Datas(6)=F%
4167 Datas(7)=G%
4168 Datas(8)=H%
4169 Datas(9)=I%
4170 Datas(10)=J%
4171 Datas(11)=K%
4172 Datas(12)=L%
4173 Datas(13)=M%
4174 Datas(14)=N%
4175 Datas(15)=O%
4176 Datas(16)=P%
4177 Datas(17)=Q%
4178 Datas(18)=R%
4179 Datas(19)=S%
4180 Datas(20)=T%
4181 Datas(21)=U%
4182 Datas(22)=V%
4183 Datas(23)=W%
4184 Datas(24)=X%
4185 Datas(25)=Y%
4186 Datas(26)=Z%
4187
4188 READ #1,2;A,B,C,D,E,F,G,H,I,J,K,L,M,N,O,P,Q,R,S,T,U,V,W,X,Y,Z,Z1,Z2,Z3%
4189                                     ! Read data 27 to 55 from tape.%
4190 Datas(27)=A%                                     ! Reallocate memory.%
4191 Datas(28)=B%
4192 Datas(29)=C%
4193 Datas(30)=D%
4194 Datas(31)=E%
4195 Datas(32)=F%
4196 Datas(33)=G%
4197 Datas(34)=H%
4198 Datas(35)=I%
4199 Datas(36)=J%
4200 Datas(37)=K%
4201 Datas(38)=L%
4202 Datas(39)=M%
4203 Datas(40)=N%
4204 Datas(41)=O%
4205 Datas(42)=P%
4206 Datas(43)=Q%
4207 Datas(44)=R%
4208 Datas(45)=S%
4209 Datas(46)=T%
4210 Datas(47)=U%
4211 Datas(48)=V%
4212 Datas(49)=W%
4213 Datas(50)=X%
4214 Datas(51)=Y%
4215 Datas(52)=Z%
4216 Datas(53)=Z1%
4217 Datas(54)=Z2%
4218 Datas(55)=Z3%
4219
4220                                     !
4221 READ #1,3;Tflow$,Lopen%                                     ! Read string dates from tape.%
4222                                     !
4223                                     !
4224 ! ##### CACULATE Cp AND dP #####
4225                                     !
4226 Ave_internal=(Datas(37)+Datas(38)+Datas(39)+Datas(40))/4%
4227 FOR I=1 TO 36                                     ! Loops to calculate Cp, Cpw and dP.%
4228     Press(I)=Datas(I)-Ave_internal%
4229     IF Datas(43)=0 THEN GOTO 232%
4230     Cp(I)=Press(I)/(C.5*(1.293*273/(273+Datas(41)))*Datas(43)^2)%
4231     Cpw(I)=Datas(I)/(C.5*(1.293*273/(273+Datas(41)))*Datas(43)^2)%
4232 NEXT I%
4233                                     !
4234                                     ! Calculate average for North side.%
4235 Ave_north_dp=0%
4236 Ave_north_dpw=0%
4237 Ave_north_cp=0%
4238 Ave_north_cpw=0%
4239 FOR I=1 TO 9%
4240     Ave_north_dp=Ave_north_dp+Press(I)%
4241     Ave_north_dpw=Ave_north_dpw+Datas(I)%
4242     Ave_north_cp=Ave_north_cp+Cp(I)%
4243     Ave_north_cpw=Ave_north_cpw+Cpw(I)%
4244 NEXT I%
4245 Ave_north_dp=Ave_north_dp/9%
4246 Ave_north_dpw=Ave_north_dpw/9%
4247 Ave_north_cp=Ave_north_cp/9%

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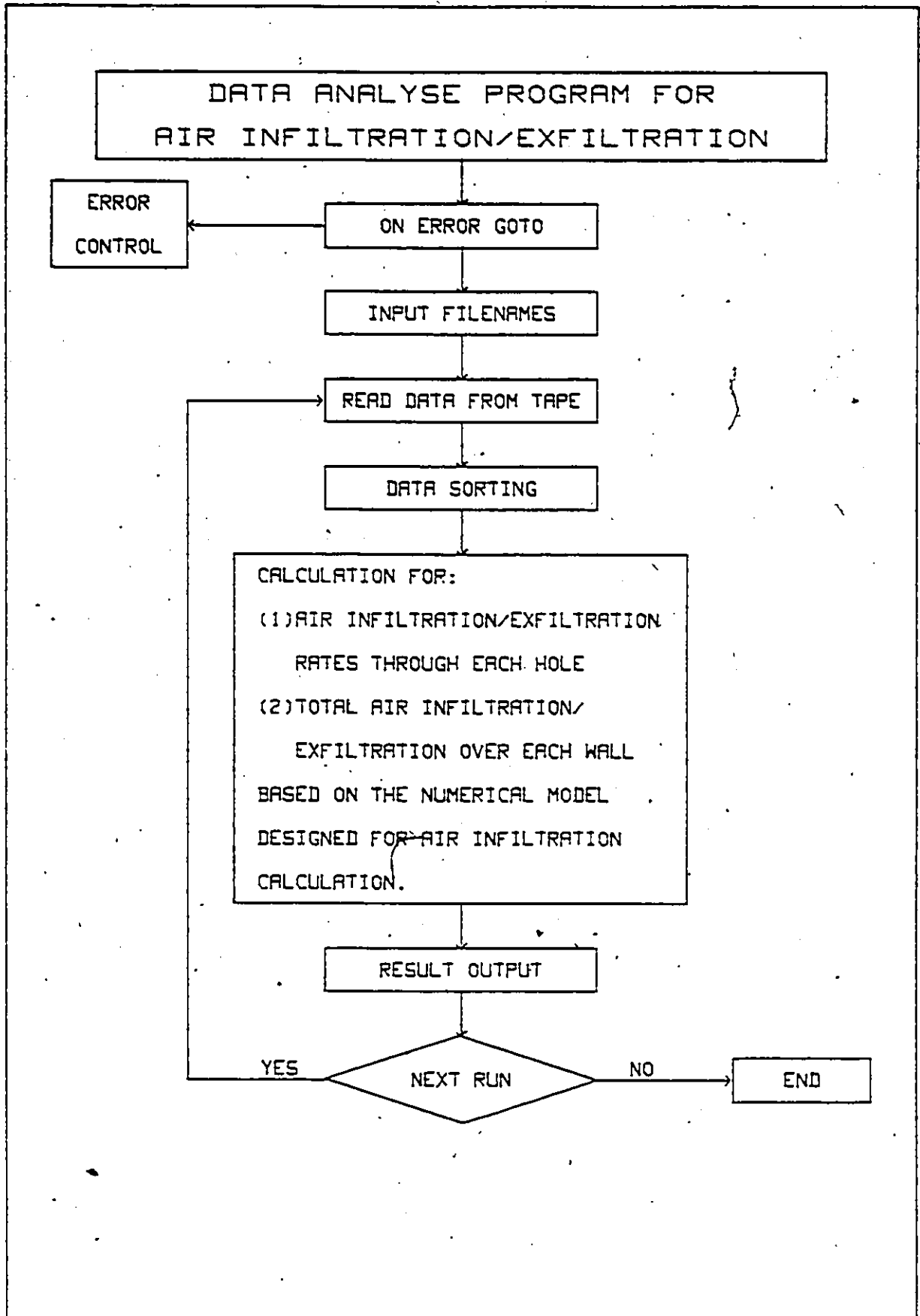
4248 Ave_north_cpw=Ave_north_cpw/9%
4249                                     ! Calculate average for East side.%
4250 Ave_east_dp=0%
4251 Ave_east_dpw=0%
4252 Ave_east_cp=0%
4253 Ave_east_cpw=0%
4254 FOR I=10 TO 18%
4255     Ave_east_dp=Ave_east_dp+Press(I)%
4256     Ave_east_dpw=Ave_east_dpw+Datas(I)%
4257     Ave_east_cp=Ave_east_cp+Cp(I)%
4258     Ave_east_cpw=Ave_east_cpw+Cpw(I)%
4259 NEXT I%
4260 Ave_east_dp=Ave_east_dp/9%
4261 Ave_east_dpw=Ave_east_dpw/9%
4262 Ave_east_cp=Ave_east_cp/9%
4263 Ave_east_cpw=Ave_east_cpw/9%
4264                                     ! Calculate average for South side.%
4265 Ave_south_dp=0%
4266 Ave_south_dpw=0%
4267 Ave_south_cp=0%
4268 Ave_south_cpw=0%
4269 FOR I=19 TO 27%
4270     Ave_south_dp=Ave_south_dp+Press(I)%
4271     Ave_south_dpw=Ave_south_dpw+Datas(I)%
4272     Ave_south_cp=Ave_south_cp+Cp(I)%
4273     Ave_south_cpw=Ave_south_cpw+Cpw(I)%
4274 NEXT I%
4275 Ave_south_dp=Ave_south_dp/9%
4276 Ave_south_dpw=Ave_south_dpw/9%
4277 Ave_south_cp=Ave_south_cp/9%
4278 Ave_south_cpw=Ave_south_cpw/9%
4279                                     ! Calculate average for West side.%
4280 Ave_west_dp=0%
4281 Ave_west_dpw=0%
4282 Ave_west_cp=0%
4283 Ave_west_cpw=0%
4284 FOR I=28 TO 36%
4285     Ave_west_dp=Ave_west_dp+Press(I)%
4286     Ave_west_dpw=Ave_west_dpw+Datas(I)%
4287     Ave_west_cp=Ave_west_cp+Cp(I)%
4288     Ave_west_cpw=Ave_west_cpw+Cpw(I)%
4289 NEXT I%
4290 Ave_west_dp=Ave_west_dp/9%
4291 Ave_west_dpw=Ave_west_dpw/9%
4292 Ave_west_cp=Ave_west_cp/9%
4293 Ave_west_cpw=Ave_west_cpw/9%
4294                                     ! %
4295                                     ! %
4296 ! ##### TO SET UP FOR PRINTING #####
4297                                     ! %
4298 PRINTER IS 7,6                                     ! Select printing device.%
4299 PRINT PAGES%
4300 PRINT USING 301;"###PRESSURE AND PRESSURE COEFFICIENT FOR ",File$(Loop)%
4301 IMAGE 16X,K,K%
4302 PRINT USING 301;"-----"
4303 PRINT USING 301;"NOTE:"%
4304 PRINT USING 301;"      dP = PRESSURE DIFFERENCE ACROSS THE WALL.%"
4305 PRINT USING 301;"      dPw = EXTERNAL PRESSURE WRT REFERENCE PRESSURE.%"
4306 PRINT USING 301;"      Cp = PRESSURE COEFFICIENT BASED ON dP.%"
4307 PRINT USING 301;"      Cpw = PRESSURE COEFFICIENT BASED ON dPw.%"
4308 PRINT USING 301;"      dP (Pa)      Cp      dPw (Pa)      Cpw%"
4309 PRINT USING 301;"      -----"
4310 PRINT USING 311;" At N31 ... ",Press(1),Cp(1),Datas(1),Cpw(1)%
4311 IMAGE 15X,K,MDDD.DD,SX,MD.DDDD,SX,MDDD.DD,6X,MD.DDDD%
4312 PRINT USING 311;" At N32 ... ",Press(2),Cp(2),Datas(2),Cpw(2)%
4313 PRINT USING 311;" At N33 ... ",Press(3),Cp(3),Datas(3),Cpw(3)%
4314 PRINT USING 311;" At N21 ... ",Press(4),Cp(4),Datas(4),Cpw(4)%
4315 PRINT USING 311;" At N22 ... ",Press(5),Cp(5),Datas(5),Cpw(5)%
4316 PRINT USING 311;" At N23 ... ",Press(6),Cp(6),Datas(6),Cpw(6)%
4317 PRINT USING 311;" At N11 ... ",Press(7),Cp(7),Datas(7),Cpw(7)%
4318 PRINT USING 311;" At N12 ... ",Press(8),Cp(8),Datas(8),Cpw(8)%
4319 PRINT USING 311;" At N13 ... ",Press(9),Cp(9),Datas(9),Cpw(9)%
4320 PRINT USING 311;" Average... ",Ave_north_dp,Ave_north_cp,Ave_north_dpw,Ave_n%
4321 PRINT USING 311;" At E31 ... ",Press(10),Cp(10),Datas(10),Cpw(10)%
4322 PRINT USING 311;" At E32 ... ",Press(11),Cp(11),Datas(11),Cpw(11)%
4323 PRINT USING 311;" At E33 ... ",Press(12),Cp(12),Datas(12),Cpw(12)%
4324 PRINT USING 311;" At E21 ... ",Press(13),Cp(13),Datas(13),Cpw(13)%
4325 PRINT USING 311;" At E22 ... ",Press(14),Cp(14),Datas(14),Cpw(14)%
4326 PRINT USING 311;" At E23 ... ",Press(15),Cp(15),Datas(15),Cpw(15)%
4327 PRINT USING 311;" At E11 ... ",Press(16),Cp(16),Datas(16),Cpw(16)%
4328 PRINT USING 311;" At E12 ... ",Press(17),Cp(17),Datas(17),Cpw(17)%
4329 PRINT USING 311;" At E13 ... ",Press(18),Cp(18),Datas(18),Cpw(18)%
4330 PRINT USING 311;" Average... ",Ave_east_dp,Ave_east_cp,Ave_east_dpw,Ave_east%

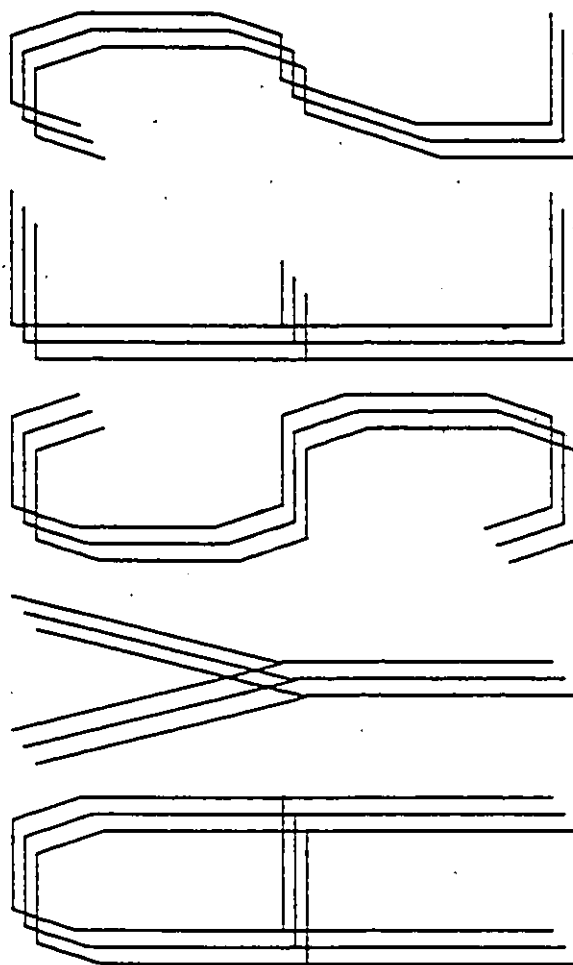
```

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4330 PRINT USING 311; " Average... ", Ave_east_dp, Ave_east_cp, Ave_east_dpw, Ave_east%
4331 PRINT USING 311; " At S31 ... ", Press(19), Cp(19), Datas(19), Cpw(19)%
4332 PRINT USING 311; " At S32 ... ", Press(20), Cp(20), Datas(20), Cpw(20)%
4333 PRINT USING 311; " At S33 ... ", Press(21), Cp(21), Datas(21), Cpw(21)%
4334 PRINT USING 311; " At S21 ... ", Press(22), Cp(22), Datas(22), Cpw(22)%
4335 PRINT USING 311; " At S22 ... ", Press(23), Cp(23), Datas(23), Cpw(23)%
4336 PRINT USING 311; " At S23 ... ", Press(24), Cp(24), Datas(24), Cpw(24)%
4337 PRINT USING 311; " At S11 ... ", Press(25), Cp(25), Datas(25), Cpw(25)%
4338 PRINT USING 311; " At S12 ... ", Press(26), Cp(26), Datas(26), Cpw(26)%
4339 PRINT USING 311; " At S13 ... ", Press(27), Cp(27), Datas(27), Cpw(27)%
4340 PRINT USING 311; " Average... ", Ave_south_dp, Ave_south_cp, Ave_south_dpw, Ave_s%
4341 PRINT USING 311; " At W31 ... ", Press(28), Cp(28), Datas(28), Cpw(28)%
4342 PRINT USING 311; " At W32 ... ", Press(29), Cp(29), Datas(29), Cpw(29)%
4343 PRINT USING 311; " At W33 ... ", Press(30), Cp(30), Datas(30), Cpw(30)%
4344 PRINT USING 311; " At W21 ... ", Press(31), Cp(31), Datas(31), Cpw(31)%
4345 PRINT USING 311; " At W22 ... ", Press(32), Cp(32), Datas(32), Cpw(32)%
4346 PRINT USING 311; " At W23 ... ", Press(33), Cp(33), Datas(33), Cpw(33)%
4347 PRINT USING 311; " At W11 ... ", Press(34), Cp(34), Datas(34), Cpw(34)%
4348 PRINT USING 311; " At W12 ... ", Press(35), Cp(35), Datas(35), Cpw(35)%
4349 PRINT USING 311; " At W13 ... ", Press(36), Cp(36), Datas(36), Cpw(36)%
4350 PRINT USING 311; " Average... ", Ave_west_dp, Ave_west_cp, Ave_west_dpw, Ave_west%
4351 PRINT USING 352; " Internal pressure (I4) is: ", Datas(37), " Pa.%
4352 IMAGE 15X,K,MDDD.DD,K%
4353 PRINT USING 352; " Internal pressure (I3) is: ", Datas(38), " Pa.%
4354 PRINT USING 352; " Internal pressure (I2) is: ", Datas(39), " Pa.%
4355 PRINT USING 352; " Internal pressure (I1) is: ", Datas(40), " Pa.%
4356 PRINT USING 352; " Average internal pressure is: ", Ave_internal, " Pa.%
4357 PRINT USING 358; " Temperature inside is: ", Datas(41), " Degree C.%
4358 IMAGE 15X,K,MDD.DD,K%
4359 PRINT USING 358; " Temperature outside is: ", Datas(42), " Degree C.%
4360 PRINT USING 361; " Wind velocity of wind tunnel is: ", Datas(43), " m/s.%
4361 IMAGE 15X,K,DD.DD,K%
4362 PRINT USING 363; " Mechanical Ventilation flow rate is: ", Datas(44), " cfh.%
4363 IMAGE 15X,K,DDD.DD,K%
4364 PRINT USING 365; " Wind angle is: ", Datas(45), " Degree.%
4365 IMAGE 15X,K,DDD,K%
4366 PRINT USING 367; " Type of flow is: ", Tflow%
4367 IMAGE 15X,K,K%
4368 PRINT USING 367; " Location of opening: ", Lopen%
4369
4370
4371 NEXT Loop%
4372
4373 PRINTER IS 16%
4374 PRINT PAGE%
4375 END%

```





ANALYSE PROGRAM 2 (AYSE2)

This program is designed to calculate the flow rate through each gap (1 to 48 gaps), the total flow rate in or out for each wall (North, East, South and West) and finally the net flow rate.

The flow rate calculation is based on the conventional crack method. Based on the experimental measured pressure difference across each gap, the velocity of flow through the gap is calculated by the crack equation:

$dP = \text{Friction of wall of gap} + \text{Entrance loss} + \text{Exit loss}$

$\text{Friction} = 32 \times \text{density} \times \text{viscosity} \times \text{length} \times \text{velocity} / \text{dia}^2$

$\text{Entrance loss} = .5 \times \text{velocity}^2 / 2 \times g$

$\text{Exit loss} = 1 \times \text{velocity}^2 / 2 \times g$

For density=1.2 viscosity=1.6E-5 length=.0127 dia=2E-3 (SI)

Therefore Velocity= $\theta \times (-1.95072 + \sqrt{1.95072^2 + 4 \times .9 \times \text{ABS}(dP)}) / 1.8$

where $\theta = 1$ for +ve dP and $\theta = -1$ for -ve dP

The above calculation is based on the assumption that the flow in the gap is fully developed.

***** TO SET UP THE CRT *****

CRT ON %

PRINTER IS 16

! Define printer.%

OPTION BASE 0

! Define all arrays start at 1.%

DIM Dates\$(55),Tflow\$(30),Lopen\$(70),Press(48),Vel(48),File\$(40),Re(48),Flow\$(48)%

***** CAT DATA CARTRIDGE *****

PRINT PAGE%

PRINT "*****"

Insert data cartridge and press CONT.%"

BEEP%

PAUSE %

CAT %

Change=0

! Request for number of file to dump%

PRINT "%

How many file would you like to dump?%"

BEEP%

INPUT Num%

IF Num<=40 THEN 54%

PRINT PAGE%

BEEP%

PRINT "*****"

MAXIMUM NUMBER OF FILE TO BE DUMP IS 40%"

WAIT 1500%

GOTO 45%

PRINT PAGE%

FOR I=1 TO Num

! Loop to input file names%

PRINT USING 57;"**"

Input name of file # %,I%

IMAGE K,DD%

BEEP%

INPUT File\$(I)%

PRINT USING 61;"**"

%,I," file name is : %,File\$(I)%

IMAGE K,DD,K,K%

NEXT I%

WAIT 1500%

PRINT PAGE

! List out all input file name.%

PRINT "%

LIST OF FILES TO BE DUMP%"

PRINT "

*****"

PRINT "*****"

FOR I=1 TO Num%

PRINT USING 70;"**"

%,I," : %,File\$(I)%

IMAGE K,DD,K,K%

NEXT I%

PRINT "%

If there is any changes, enter the subscript then CONT.%"

PRINT "

If there is no changes, then press CONT to start execution%

BEEP%

INPUT Change%

IF Change=0 THEN GOTO 85%

PRINT PAGE%

PRINT USING 79;"**"

Enter the new file name for file # %,Change%

IMAGE K,DD%

```

480 BEEP%
481 INPUT File$(Change)%
482 Change=0%
483 GOTO 64%
484
485
486 ! ##### SET UP FOR PRINTING #####
487
488 PRINT PAGE%
489 PRINT "##### Please switch on printer."%
490 WAIT 3000%
491
492 ! ##### LOOP TO EXECUTE #####
493
494 FOR Loop=1 TO Num%
495
496 MAT Datas=(0)%
497 MAT Press=(0)%
498 MAT Vel=(0)%
499 MAT Re=(0)%
500 MAT Flow=(0)%
501
502 ! ##### BRANCHING FOR ERROR #####
503
504 ON ERROR GOTO Error_control%
505 GOTO 126%
506
507
508 ! ##### ERROR TRAPPING ROUTINE #####
509
510 Error_control:
511 PRINT PAGE%
512 BEEP%
513 IF ERRN=56 THEN PRINT "##### SPECIFIED FILE NOT ON TAPE"%
514 IF ERRN=56 THEN WAIT 2000%
515 IF ERRN=56 THEN GOTO 55%
516 IF ERRN=58 THEN PRINT "##### SPECIFIED FILE NOT A DATA FILE"%
517
518 IF ERRN=58 THEN WAIT 2000%
519 IF ERRN=58 THEN GOTO 55%
520 IF (ERRN=59) AND (ERRL=169) THEN GOTO 170%
521 IF (ERRN=59) AND (ERRL=198) THEN GOTO 199%
522 IF (ERRN=59) AND (ERRL=231) THEN GOTO 232%
523 PRINT ERRM%
524 STOP%
525
526 ! ##### READ DATAS FROM TAPE #####
527
528 IF Loop=1 THEN ASSIGN #1 TO File$(1)%
529 IF Loop=2 THEN ASSIGN #1 TO File$(2)%
530 IF Loop=3 THEN ASSIGN #1 TO File$(3)%
531 IF Loop=4 THEN ASSIGN #1 TO File$(4)%
532 IF Loop=5 THEN ASSIGN #1 TO File$(5)%
533 IF Loop=6 THEN ASSIGN #1 TO File$(6)%
534 IF Loop=7 THEN ASSIGN #1 TO File$(7)%
535 IF Loop=8 THEN ASSIGN #1 TO File$(8)%
536 IF Loop=9 THEN ASSIGN #1 TO File$(9)%
537 IF Loop=10 THEN ASSIGN #1 TO File$(10)%
538 IF Loop=11 THEN ASSIGN #1 TO File$(11)%
539 IF Loop=12 THEN ASSIGN #1 TO File$(12)%
540 IF Loop=13 THEN ASSIGN #1 TO File$(13)%
541 IF Loop=14 THEN ASSIGN #1 TO File$(14)%
542 IF Loop=15 THEN ASSIGN #1 TO File$(15)%
543 IF Loop=16 THEN ASSIGN #1 TO File$(16)%
544 IF Loop=17 THEN ASSIGN #1 TO File$(17)%
545 IF Loop=18 THEN ASSIGN #1 TO File$(18)%
546 IF Loop=19 THEN ASSIGN #1 TO File$(19)%
547 IF Loop=20 THEN ASSIGN #1 TO File$(20)%
548 IF Loop=21 THEN ASSIGN #1 TO File$(21)%
549 IF Loop=22 THEN ASSIGN #1 TO File$(22)%
550 IF Loop=23 THEN ASSIGN #1 TO File$(23)%
551 IF Loop=24 THEN ASSIGN #1 TO File$(24)%
552 IF Loop=25 THEN ASSIGN #1 TO File$(25)%
553 IF Loop=26 THEN ASSIGN #1 TO File$(26)%
554 IF Loop=27 THEN ASSIGN #1 TO File$(27)%
555 IF Loop=28 THEN ASSIGN #1 TO File$(28)%
556 IF Loop=29 THEN ASSIGN #1 TO File$(29)%
557 IF Loop=30 THEN ASSIGN #1 TO File$(30)%
558 IF Loop=31 THEN ASSIGN #1 TO File$(31)%
559 IF Loop=32 THEN ASSIGN #1 TO File$(32)%
560 IF Loop=33 THEN ASSIGN #1 TO File$(33)%
561 IF Loop=34 THEN ASSIGN #1 TO File$(34)%
562 IF Loop=35 THEN ASSIGN #1 TO File$(35)%

```



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4163 IF Loop=36 THEN ASSIGN #1 TO File$(36)%
4164 IF Loop=37 THEN ASSIGN #1 TO File$(37)%
4165 IF Loop=38 THEN ASSIGN #1 TO File$(38)%
4166 IF Loop=39 THEN ASSIGN #1 TO File$(39)%
4167 IF Loop=40 THEN ASSIGN #1 TO File$(40)%
4168                                     ! Read data 1 to 26 from tape.%
4169 READ #1,1,A,B,C,D,E,F,G,H,I,J,K,L,M,N,O,P,Q,R,S,T,U,V,W,X,Y,Z%
4170                                     ! Reallocate memory.%
4171 Datas(1)=A%
4172 Datas(2)=B%
4173 Datas(3)=C%
4174 Datas(4)=D%
4175 Datas(5)=E%
4176 Datas(6)=F%
4177 Datas(7)=G%
4178 Datas(8)=H%
4179 Datas(9)=I%
4180 Datas(10)=J%
4181 Datas(11)=K%
4182 Datas(12)=L%
4183 Datas(13)=M%
4184 Datas(14)=N%
4185 Datas(15)=O%
4186 Datas(16)=P%
4187 Datas(17)=Q%
4188 Datas(18)=R%
4189 Datas(19)=S%
4190 Datas(20)=T%
4191 Datas(21)=U%
4192 Datas(22)=V%
4193 Datas(23)=W%
4194 Datas(24)=X%
4195 Datas(25)=Y%
4196 Datas(26)=Z%
4197                                     ! Read data 27 to 55 from tape.%
4198 READ #1,2,A,B,C,D,E,F,G,H,I,J,K,L,M,N,O,P,Q,R,S,T,U,V,W,X,Y,Z,Z1,Z2,Z3%
4199                                     ! Reallocate memory.%
4200 Datas(27)=A%
4201 Datas(28)=B%
4202 Datas(29)=C%
4203 Datas(30)=D%
4204 Datas(31)=E%
4205 Datas(32)=F%
4206 Datas(33)=G%
4207 Datas(34)=H%
4208 Datas(35)=I%
4209 Datas(36)=J%
4210 Datas(37)=K%
4211 Datas(38)=L%
4212 Datas(39)=M%
4213 Datas(40)=N%
4214 Datas(41)=O%
4215 Datas(42)=P%
4216 Datas(43)=Q%
4217 Datas(44)=R%
4218 Datas(45)=S%
4219 Datas(46)=T%
4220 Datas(47)=U%
4221 Datas(48)=V%
4222 Datas(49)=W%
4223 Datas(50)=X%
4224 Datas(51)=Y%
4225 Datas(52)=Z%
4226 Datas(53)=Z1%
4227 Datas(54)=Z2%
4228 Datas(55)=Z3%
4229                                     ! %
4230                                     ! Read string datas from tape.%
4231 READ #1,3,Tflow$,Lopen$%
4232                                     ! %
4233                                     ! %
4234                                     ! %
4235 ! ///// CALCULATE PRESSURE DROP /////
4236                                     ! Calculate dP for each gap.%
4237 Press(1)=Datas(1)%
4238 Press(2)=(Datas(1)+Datas(2))/2%
4239 Press(3)=(Datas(2)+Datas(3))/2%
4240 Press(4)=Datas(3)%
4241 Press(5)=Datas(4)%
4242 Press(6)=(Datas(4)+Datas(5))/2%
4243 Press(7)=(Datas(5)+Datas(6))/2%
4244 Press(8)=Datas(6)%
4245 Press(9)=Datas(7)%
4246 Press(10)=(Datas(7)+Datas(8))/2%

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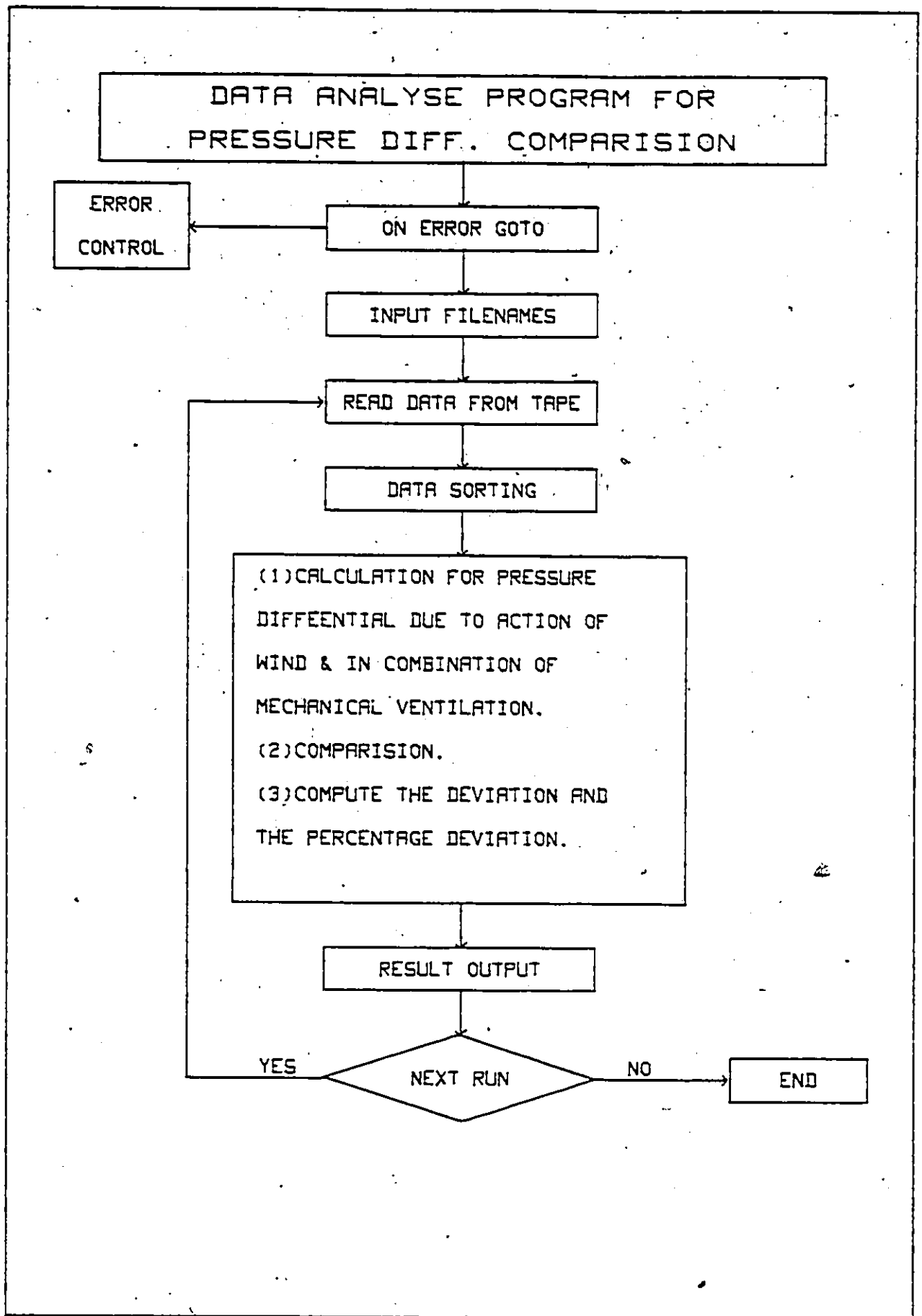
4247 Press(11)=(Data(8)+Data(9))/2%
4248 Press(12)=Data(9)%
4249 Press(13)=Data(10)%
4250 Press(14)=(Data(10)+Data(11))/2%
4251 Press(15)=(Data(11)+Data(12))/2%
4252 Press(16)=Data(12)%
4253 Press(17)=Data(13)%
4254 Press(18)=(Data(13)+Data(14))/2%
4255 Press(19)=(Data(14)+Data(15))/2%
4256 Press(20)=Data(15)%
4257 Press(21)=Data(16)%
4258 Press(22)=(Data(16)+Data(17))/2%
4259 Press(23)=(Data(17)+Data(18))/2%
4260 Press(24)=Data(18)%
4261 Press(25)=Data(19)%
4262 Press(26)=(Data(19)+Data(20))/2%
4263 Press(27)=(Data(20)+Data(21))/2%
4264 Press(28)=Data(21)%
4265 Press(29)=Data(22)%
4266 Press(30)=(Data(22)+Data(23))/2%
4267 Press(31)=(Data(23)+Data(24))/2%
4268 Press(32)=Data(24)%
4269 Press(33)=Data(25)%
4270 Press(34)=(Data(25)+Data(26))/2%
4271 Press(35)=(Data(26)+Data(27))/2%
4272 Press(36)=Data(27)%
4273 Press(37)=Data(28)%
4274 Press(38)=(Data(28)+Data(29))/2%
4275 Press(39)=(Data(29)+Data(30))/2%
4276 Press(40)=Data(30)%
4277 Press(41)=Data(31)%
4278 Press(42)=(Data(31)+Data(32))/2%
4279 Press(43)=(Data(32)+Data(33))/2%
4280 Press(44)=Data(33)%
4281 Press(45)=Data(34)%
4282 Press(46)=(Data(34)+Data(35))/2%
4283 Press(47)=(Data(35)+Data(36))/2%
4284 Press(48)=Data(36)%
4285
4286 ! Average experimental internal%
4287 ! pressure.%
4288 Exp_int_press=(Data(37)+Data(38)+Data(39)+Data(40))/4%
4289
4290 M_vent=Data(44)*.3048^3/3600 ! Mechanical ventilation rate.%
4291 Area=PI*2E-3^2/4 ! Crack area.%
4292
4293 !
4294 ! ***** ANALYSE DATA *****
4295 !
4296 PRINT PAGE%
4297 Netflow=0%
4298 Totalflow=0%
4299 FOR J=1 TO 48%
4300 IF Press(J)-Exp_int_press>0 THEN Vel(J)=(-1.95072+SQR(1.95072^2+4*.9*AB%
4301 S(Press(J)-Exp_int_press)))/1.8%
4302 IF Press(J)-Exp_int_press<0 THEN Vel(J)=-(-1.95072+SQR(1.95072^2+4*.9*AB%
4303 S(Press(J)-Exp_int_press)))/1.8%
4304 Flow(J)=Vel(J)*Area%
4305 Totalflow=Totalflow+Flow(J)%
4306 Re(J)=ABS(Vel(J))*2E-3/1.6E-5%
4307 NEXT J%
4308 Netflow=Totalflow-M_vent%
4309
4310 ! North side in/exfiltration.%
4311 In_north=0%
4312 Out_north=0%
4313 FOR J=1 TO 12%
4314 IF Flow(J)>0 THEN In_north=In_north+Flow(J)%
4315 IF Flow(J)<0 THEN Out_north=Out_north+Flow(J)%
4316 NEXT J%
4317
4318 ! East side in/exfiltration.%
4319 In_east=0%
4320 Out_east=0%
4321 FOR J=13 TO 24%
4322 IF Flow(J)>0 THEN In_east=In_east+Flow(J)%
4323 IF Flow(J)<0 THEN Out_east=Out_east+Flow(J)%
4324 NEXT J%
4325
4326 ! South side in/exfiltration.%
4327 In_south=0%
4328 Out_south=0%
4329 FOR J=25 TO 36%
4330 IF Flow(J)>0 THEN In_south=In_south+Flow(J)%
4331 IF Flow(J)<0 THEN Out_south=Out_south+Flow(J)%
4332 NEXT J%
4333
4334 ! West side in/exfiltration.%

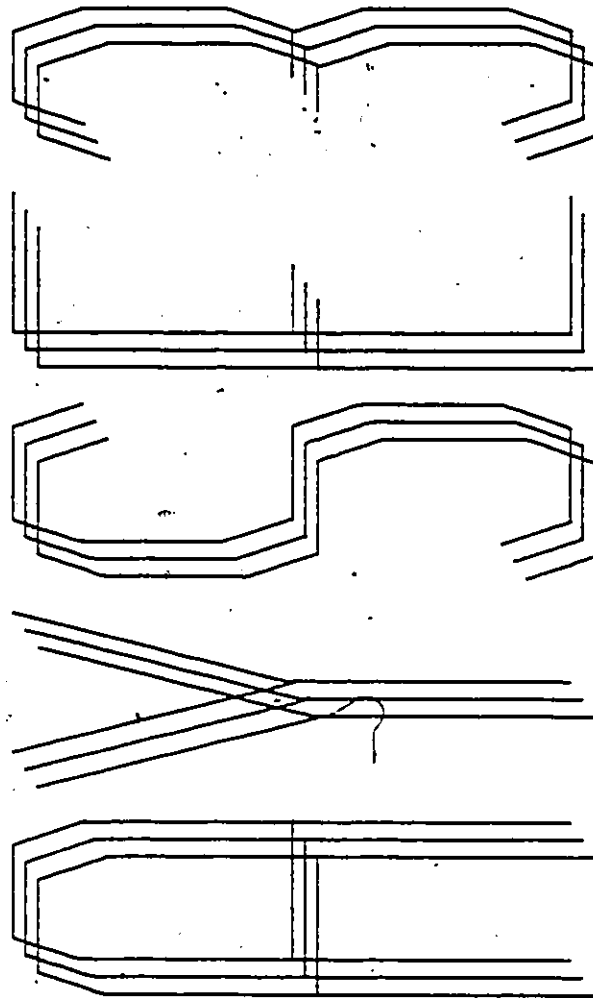
```

```

4329 In_west=0%
4330 Out_west=0%
4331 FOR J=37 TO 48%
4332 IF Flow(J)>0 THEN In_west=In_west+Flow(J)%
4333 IF Flow(J)<0 THEN Out_west=Out_west+Flow(J)%
4334 NEXT J%
4335
4336 ! %
4337 ! ##### PRINTING ROUTINE ##### ! Printing routine.%
4338 ! %
4339 PRINT PAGE%
4340 PRINT "#####"
4341 PRINTER IS 7,6%
4342 PRINT PAGE%
4343 PRINT USING 344,"#### FLOW RATE, REYNOLD # & NET FLOW BY INTERNAL PRESSURE :%
4344 File$(Loop)%
4344 IMAGE 10X,K,K%
4345 PRINT USING 344,"-----%
4346 PRINT USING 344,"Test Parameters:%
4347 PRINT USING 348,"Wind Velocity Of Wind Tunnel is : ",Data$(43)," m/s.%
4348 IMAGE 12X,K,DD.DD,K%
4349 PRINT USING 350,"Wind Angle is : ",Data$(45)," degree.%
4350 IMAGE 12X,K,DDD,K%
4351 PRINT USING 352,"Type Of Flow : ",Tflow%
4352 IMAGE 12X,K,K%
4353 PRINT USING 354,"Mechanical Ventilation : ",M_vent," cu m/s. (",Data$(44)%
4354 "cfh)%"
4354 IMAGE 12X,K,D.DDDDE,K,DDD.DD,K%
4355 PRINT USING 356,"All Gaps Are Open.%
4356 IMAGE 12X,K%
4357 PRINT USING 358,"Total North side infiltration : ",In_north," cu m/s.%
4358 IMAGE 14X,K,MD.DDDDE,K%
4359 PRINT USING 358,"Total North side exfiltration : ",Out_north," cu m/s.%
4360 PRINT USING 358,"Total East side infiltration : ",In_east," cu m/s.%
4361 PRINT USING 358,"Total East side exfiltration : ",Out_east," cu m/s.%
4362 PRINT USING 358,"Total South side infiltration : ",In_south," cu m/s.%
4363 PRINT USING 358,"Total South side exfiltration : ",Out_south," cu m/s.%
4364 PRINT USING 358,"Total West side infiltration : ",In_west," cu m/s.%
4365 PRINT USING 358,"Total West side exfiltration : ",Out_west," cu m/s.%
4366 PRINT USING 358,"Net Flow Rate (Less Ventilation) : ",Netflow," cu m/s.%
4367 PRINT " "
4368 FOR J=1 TO 48%
4369 PRINT USING 370,"Gap #",J," ... Flow Rate : ",Flow(J)," cu m/s... Re # : %
4370 "Re(J)%
4370 IMAGE 14X,K,DD,K,MD.DDDDE,K,DDDD:%
4371 NEXT J%
4372 PRINT " "
4373 End of calculation.%
4374 ! %
4375 PRINTER IS 16%
4376 NEXT Loop%
4377 PRINTER IS 16%
4378 PRINT PAGE%
4379 ENDS%

```





``` 41 42 43 PRESSURE DIFFERENCES COMPARISON PROGRAM (WIND & VENTILATION) 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 ```

This program is designed to compare the pressure differences across the wall for testing with wind effect, mechanical ventilation effect and wind with mechanical ventilation effect.

The comparison is made between the pressure differences across the wall for wind and mechanical ventilation effect with sum of wind effect and mechanical ventilation effect.

In addition the percentage of differences between the two is evaluated based on the $\text{abs}(\text{wind}) + \text{abs}(\text{mechanical ventilation})$ effect or combined effects.

The program will print out the result onto the CRT or hard copy printer as requested.

- (1) Pressure differences at the North, East, South, West walls wrt to inside pressure for wind with mechanical ventilation effect.
- (2) Pressure differences at the North, East, South, West walls wrt to inside pressure for wind effect only.
- (3) Pressure differences at the North, East, South, West walls wrt to inside pressure for mechanical ventilation effect only.
- (4) % of differences between the (1) and (2+3) based on (1).
- (5) Testing parameters..

***** TO SET UP THE CRT *****

CRT ON %
PRINTER IS 16

Define printer.%

OPTION BASE 0

Define all arrays start at 1.%

DIM Data\$(55), Tflow\$(30), Lopen\$(70), Dpv(36), Dpw(36), Dpvw(36), Err(36), Flow\$(9301), Opening\$(70), Diff(36)%

MAT Data\$(0)%
MAT Dpvw=(0)%
MAT Dpw=(0)%
MAT Dpv=(0)%
MAT Err=(0)%
MAT Diff=(0)%

***** CAT DATA CARTRIDGE *****

PRINT PAGES

PRINT %4444

The program is designed to read data for testing with wind %
and mechanical ventilation first, then data for testing with mechanical ventilation only and finally testing with wind %
only.%
Hence it is recommended data cartridge to be inserted accordingly.%

FOR Read=1 TO 3%

IF Read=1 THEN PRINT %44

FIRST READING.....%

IF Read=2 THEN PRINT %44

SECOND READING.....%

IF Read=3 THEN PRINT %44

THIRD READING.....%

PRINT %4444 Insert data cartridge and press CONT.%

BEEP%

PAUSE %

CAT %

IF Read=1 THEN PRINT %44

Input file name for testing with wind and %

ventilation?%44

Input file name for testing with ventilat %

only?%44

Input file name for testing with wind only %

IF Read=3 THEN PRINT %44

PRINT %44

BEEP%

INPUT Filename\$%

PRINT PAGES

***** LOOP TO EXECUTE *****

```

475
476
477 ! ***** BRANCHING FOR ERROR *****
478
479 ON ERROR GOTO Error_controls
480 GOTO 101%
481
482
483 ! ***** ERROR TRAPPING ROUTINE *****
484
485 Error_controls:
486 PRINT PAGE%
487 BEEP%
488 IF ERRN=56 THEN PRINT "*****"
489 IF ERRN=56 THEN WAIT 2000%
490 IF ERRN=56 THEN GOTO 68%
491 IF ERRN=58 THEN PRINT "*****"
492
493 IF ERRN=58 THEN WAIT 2000%
494 IF ERRN=58 THEN GOTO 68%
495 IF (ERRN=59) AND (ERRL=105) THEN GOTO 106%
496 IF (ERRN=59) AND (ERRL=134) THEN GOTO 135%
497 IF (ERRN=59) AND (ERRL=167) THEN GOTO 168%
498 PRINT ERRM%
499 STOP%
500
501 ! ***** READ DATAS FROM TAPE *****
502
503 ASSIGN #1 TO Filename%
504
505 READ #1,1,A,B,C,D,E,F,G,H,I,J,K,L,M,N,O,P,Q,R,S,T,U,V,W,X,Y,Z%
506
507 Datas(1)=A%
508 Datas(2)=B%
509 Datas(3)=C%
510 Datas(4)=D%
511 Datas(5)=E%
512 Datas(6)=F%
513 Datas(7)=G%
514 Datas(8)=H%
515 Datas(9)=I%
516 Datas(10)=J%
517 Datas(11)=K%
518 Datas(12)=L%
519 Datas(13)=M%
520 Datas(14)=N%
521 Datas(15)=O%
522 Datas(16)=P%
523 Datas(17)=Q%
524 Datas(18)=R%
525 Datas(19)=S%
526 Datas(20)=T%
527 Datas(21)=U%
528 Datas(22)=V%
529 Datas(23)=W%
530 Datas(24)=X%
531 Datas(25)=Y%
532 Datas(26)=Z%
533
534 READ #1,2,A,B,C,D,E,F,G,H,I,J,K,L,M,N,O,P,Q,R,S,T,U,V,W,X,Y,Z,Z1,Z2,Z3%
535
536 Datas(27)=A%
537 Datas(28)=B%
538 Datas(29)=C%
539 Datas(30)=D%
540 Datas(31)=E%
541 Datas(32)=F%
542 Datas(33)=G%
543 Datas(34)=H%
544 Datas(35)=I%
545 Datas(36)=J%
546 Datas(37)=K%
547 Datas(38)=L%
548 Datas(39)=M%
549 Datas(40)=N%
550 Datas(41)=O%
551 Datas(42)=P%
552 Datas(43)=Q%
553 Datas(44)=R%
554 Datas(45)=S%
555 Datas(46)=T%
556 Datas(47)=U%
557 Datas(48)=V%

```

SPECIFIED FILE NOT ON TAPE%

SPECIFIED FILE NOT A DATA FILE

! Read data 1 to 26 from tape.%

! Reallocate memory.%

! Read data 27 to 55 from tape.%

! Reallocate memory.%

```

4158 Datas(49)=W%
4159 Datas(50)=X%
4160 Datas(51)=Y%
4161 Datas(52)=Z%
4162 Datas(53)=Z1%
4163 Datas(54)=Z2%
4164 Datas(55)=Z3%
4165
4166 ! Read string datas from tape.%
4167 READ #1,3,Tflow$,Lopen%$
4168
4169 Internal=(Datas(37)+Datas(38)+Datas(39)+Datas(40))/4%
4170 FOR Num=1 TO 36%
4171 IF Read=1 THEN Dpvw(Num)=Datas(Num)-Internal%
4172 IF Read=2 THEN Dpv(Num)=Datas(Num)-Internal%
4173 IF Read=3 THEN Dpw(Num)=Datas(Num)-Internal%
4174 NEXT Num%
4175 IF Read=1 THEN Ventilation=Datas(44)%
4176 IF Read=1 THEN Wind=Datas(43)%
4177 IF Read=1 THEN Tinside=Datas(41)%
4178 IF Read=1 THEN Toutside=Datas(42)%
4179 IF Read=1 THEN Flow%=Tflow%$
4180 IF Read=1 THEN Opening%=Lopen%$
4181 IF Read=1 THEN Intvw=Internal%
4182 IF Read=2 THEN Intv=Internal%
4183 IF Read=3 THEN Intw=Internal%
4184 NEXT Read%
4185
4186 !
4187 ! ***** CALCULATE % DIFFERENCES ***** !
4188 !
4189 FOR Loop=1 TO 2%
4190 FOR Nos=1 TO 36
! Loops to calculate % differences%
4191 Diff(Nos)=Dpvw(Nos)-(Dpv(Nos)+Dpw(Nos))%
4192 IF Loop=1 THEN Err(Nos)=Diff(Nos)/(ABS(Dpv(Nos))+ABS(Dpw(Nos)))*100%
4193 IF Loop=2 THEN Err(Nos)=Diff(Nos)/Dpvw(Nos)*100%
4194 NEXT Nos%
4195
4196 PRINT PAGE%
4197 PRINTER IS 16%
4198 PRINT "*****"
4199
4200 PRINTER IS 7,6%
4201 PRINT PAGE%
4202 PRINT USING 203;"****Value of pressure differences (Po-Pi) and % differences%
4203 IMAGE 10X,K%
4204 PRINT USING 203;"-----"
4205 PRINT "%".
4206 IF Loop=1 THEN PRINT USING 203;"(Percentage is evaluated as dP(dDiff)/(abs(%
4207 IF Loop=2 THEN PRINT USING 203;"(Percentage is evaluated as dP(dDiff)/dP(wi%
4208 PRINT "%".
4209 PRINT USING 210;" dP(W & V)(Pa) dP(Vent)(Pa) dP(Wind)(Pa) dP(Di%
4210 IMAGE 10X,K%
4211 PRINT USING 210;"-----"
4212 PRINT "%".
4213 PRINT USING 214;"At N31....",Dpvw(1),"Pa.",Dpv(1),"Pa.",Dpw(1),"Pa.",Diff(1%
4214 IMAGE 10X,K,1X,MDDD.DD,K,5X,MDDD.DD,K,4X,MDDD.DD,K,4X,MDDD.DD,K,2X;MDD.DD,K%
4215 PRINT USING 214;"At N32....",Dpvw(2),"Pa.",Dpv(2),"Pa.",Dpw(2),"Pa.",Diff(2%
4216 PRINT USING 214;"At N33....",Dpvw(3),"Pa.",Dpv(3),"Pa.",Dpw(3),"Pa.",Diff(3%
4217 PRINT USING 214;"At N21....",Dpvw(4),"Pa.",Dpv(4),"Pa.",Dpw(4),"Pa.",Diff(4%
4218 PRINT USING 214;"At N22....",Dpvw(5),"Pa.",Dpv(5),"Pa.",Dpw(5),"Pa.",Diff(5%
4219 PRINT USING 214;"At N23....",Dpvw(6),"Pa.",Dpv(6),"Pa.",Dpw(6),"Pa.",Diff(6%
4220 PRINT USING 214;"At N11....",Dpvw(7),"Pa.",Dpv(7),"Pa.",Dpw(7),"Pa.",Diff(7%
4221 PRINT USING 214;"At N12....",Dpvw(8),"Pa.",Dpv(8),"Pa.",Dpw(8),"Pa.",Diff(8%
4222 PRINT USING 214;"At N13....",Dpvw(9),"Pa.",Dpv(9),"Pa.",Dpw(9),"Pa.",Diff(9%
4223 PRINT "%".
4224 PRINT USING 214;"At E31....",Dpvw(10),"Pa.",Dpv(10),"Pa.",Dpw(10),"Pa.",Diff%
4225 PRINT USING 214;"At E32....",Dpvw(11),"Pa.",Dpv(11),"Pa.",Dpw(11),"Pa.",Diff%

```

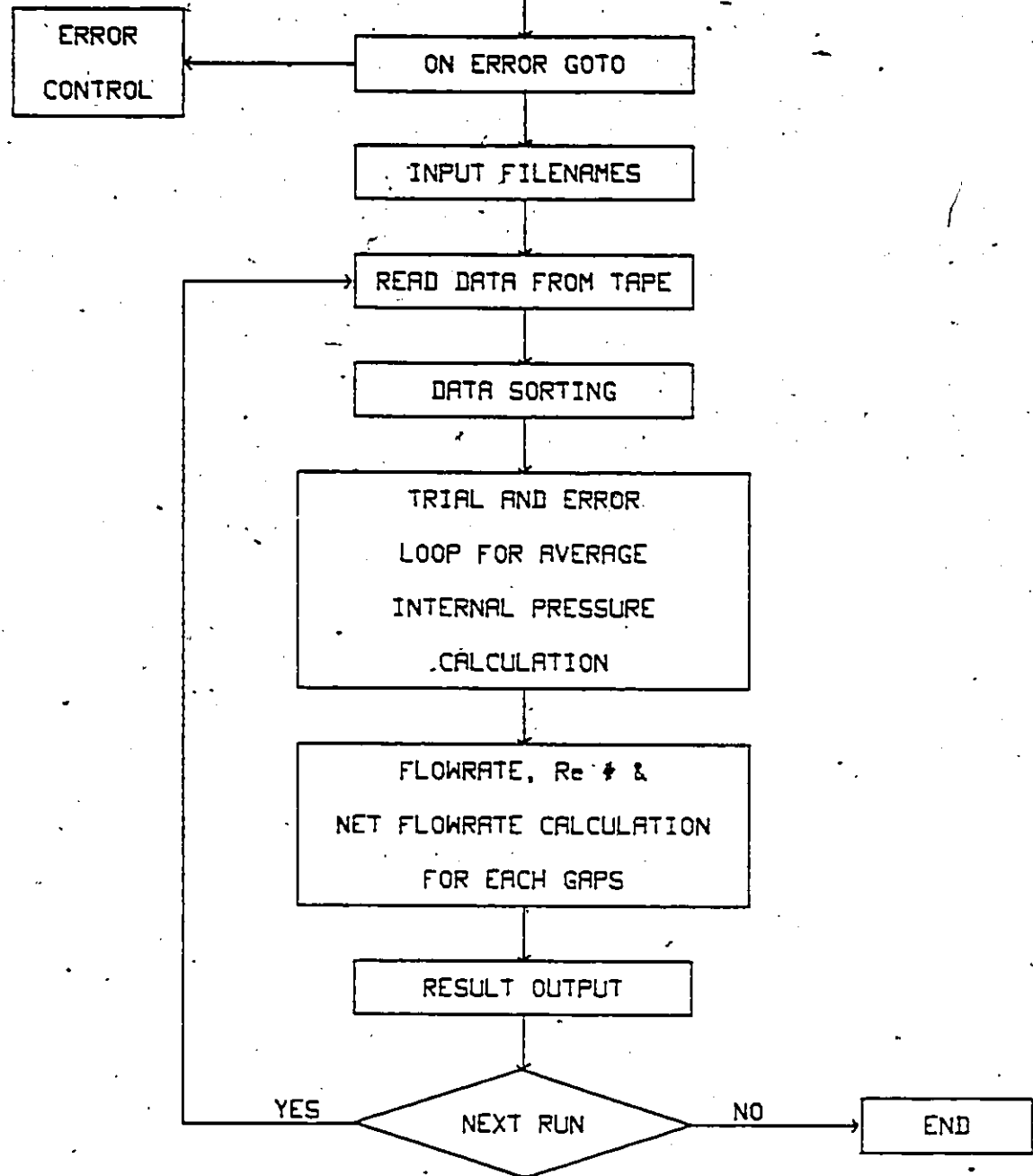


```

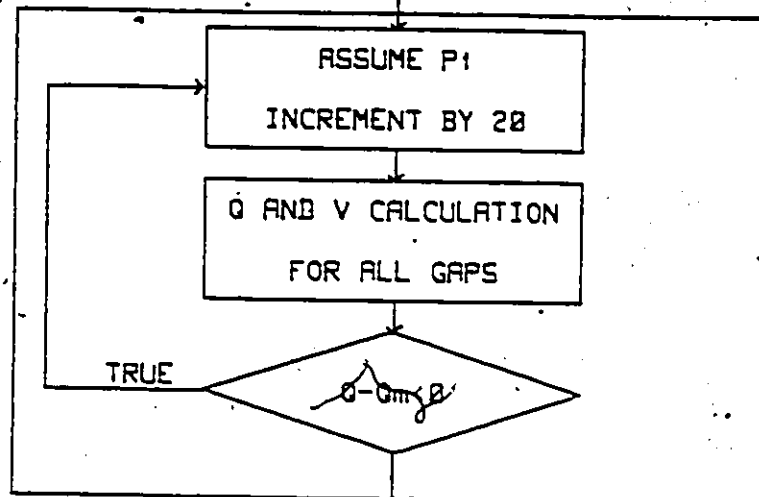
4f(11),"Pa.",Err(11),"Z"%
4226 PRINT USING 214;"At E33....",Dpvw(12),"Pa.",Dpv(12),"Pa.",Dpw(12),"Pa.",Dif%
4f(12),"Pa.",Err(12),"Z"%
4227 PRINT USING 214;"At E21....",Dpvw(13),"Pa.",Dpv(13),"Pa.",Dpw(13),"Pa.",Dif%
4f(13),"Pa.",Err(13),"Z"%
4228 PRINT USING 214;"At E22....",Dpvw(14),"Pa.",Dpv(14),"Pa.",Dpw(14),"Pa.",Dif%
4f(14),"Pa.",Err(14),"Z"%
4229 PRINT USING 214;"At E23....",Dpvw(15),"Pa.",Dpv(15),"Pa.",Dpw(15),"Pa.",Dif%
4f(15),"Pa.",Err(15),"Z"%
4230 PRINT USING 214;"At E11....",Dpvw(16),"Pa.",Dpv(16),"Pa.",Dpw(16),"Pa.",Dif%
4f(16),"Pa.",Err(16),"Z"%
4231 PRINT USING 214;"At E12....",Dpvw(17),"Pa.",Dpv(17),"Pa.",Dpw(17),"Pa.",Dif%
4f(17),"Pa.",Err(17),"Z"%
4232 PRINT USING 214;"At E13....",Dpvw(18),"Pa.",Dpv(18),"Pa.",Dpw(18),"Pa.",Dif%
4f(18),"Pa.",Err(18),"Z"%
4233 PRINT "Z"%
4234 PRINT USING 214;"At S31....",Dpvw(19),"Pa.",Dpv(19),"Pa.",Dpw(19),"Pa.",Dif%
4f(19),"Pa.",Err(19),"Z"%
4235 PRINT USING 214;"At S32....",Dpvw(20),"Pa.",Dpv(20),"Pa.",Dpw(20),"Pa.",Dif%
4f(20),"Pa.",Err(20),"Z"%
4236 PRINT USING 214;"At S33....",Dpvw(21),"Pa.",Dpv(21),"Pa.",Dpw(21),"Pa.",Dif%
4f(21),"Pa.",Err(21),"Z"%
4237 PRINT USING 214;"At S21....",Dpvw(22),"Pa.",Dpv(22),"Pa.",Dpw(22),"Pa.",Dif%
4f(22),"Pa.",Err(22),"Z"%
4238 PRINT USING 214;"At S22....",Dpvw(23),"Pa.",Dpv(23),"Pa.",Dpw(23),"Pa.",Dif%
4f(23),"Pa.",Err(23),"Z"%
4239 PRINT USING 214;"At S23....",Dpvw(24),"Pa.",Dpv(24),"Pa.",Dpw(24),"Pa.",Dif%
4f(24),"Pa.",Err(24),"Z"%
4240 PRINT USING 214;"At S11....",Dpvw(25),"Pa.",Dpv(25),"Pa.",Dpw(25),"Pa.",Dif%
4f(25),"Pa.",Err(25),"Z"%
4241 PRINT USING 214;"At S12....",Dpvw(26),"Pa.",Dpv(26),"Pa.",Dpw(26),"Pa.",Dif%
4f(26),"Pa.",Err(26),"Z"%
4242 PRINT USING 214;"At S13....",Dpvw(27),"Pa.",Dpv(27),"Pa.",Dpw(27),"Pa.",Dif%
4f(27),"Pa.",Err(27),"Z"%
4243 PRINT "Z"%
4244 PRINT USING 214;"At W31....",Dpvw(28),"Pa.",Dpv(28),"Pa.",Dpw(28),"Pa.",Dif%
4f(28),"Pa.",Err(28),"Z"%
4245 PRINT USING 214;"At W32....",Dpvw(29),"Pa.",Dpv(29),"Pa.",Dpw(29),"Pa.",Dif%
4f(29),"Pa.",Err(29),"Z"%
4246 PRINT USING 214;"At W33....",Dpvw(30),"Pa.",Dpv(30),"Pa.",Dpw(30),"Pa.",Dif%
4f(30),"Pa.",Err(30),"Z"%
4247 PRINT USING 214;"At W21....",Dpvw(31),"Pa.",Dpv(31),"Pa.",Dpw(31),"Pa.",Dif%
4f(31),"Pa.",Err(31),"Z"%
4248 PRINT USING 214;"At W22....",Dpvw(32),"Pa.",Dpv(32),"Pa.",Dpw(32),"Pa.",Dif%
4f(32),"Pa.",Err(32),"Z"%
4249 PRINT USING 214;"At W23....",Dpvw(33),"Pa.",Dpv(33),"Pa.",Dpw(33),"Pa.",Dif%
4f(33),"Pa.",Err(33),"Z"%
4250 PRINT USING 214;"At W11....",Dpvw(34),"Pa.",Dpv(34),"Pa.",Dpw(34),"Pa.",Dif%
4f(34),"Pa.",Err(34),"Z"%
4251 PRINT USING 214;"At W12....",Dpvw(35),"Pa.",Dpv(35),"Pa.",Dpw(35),"Pa.",Dif%
4f(35),"Pa.",Err(35),"Z"%
4252 PRINT USING 214;"At W13....",Dpvw(36),"Pa.",Dpv(36),"Pa.",Dpw(36),"Pa.",Dif%
4f(36),"Pa.",Err(36),"Z"%
4253 PRINT "Z"%
4254 PRINT USING 255;"Average internal pressure for V & W effect: ",Intvw," Pa."%
4255 IMAGE 10X,K,MDD,DD,K%
4256 PRINT USING 255;"Average internal pressure for Wind effect: ",Intw," Pa."%
4257 PRINT USING 255;"Average internal pressure for Vent effect: ",Intv," Pa."%
4258 PRINT USING 259;"Temperature inside is: ",Tinside," Degree C."%
4259 IMAGE 10X,K,MDD,DD,K%
4260 PRINT USING 259;"Temperature outside is: ",Toutside," Degree C."%
4261 PRINT USING 262;"Wind velocity if necessary is: ",Wind," m/s."%
4262 IMAGE 10X,K,DD,DD,K%
4263 PRINT USING 264;"Ventilation rate if necessary is: ",Ventilation," cfh."%
4264 IMAGE 10X,K,DDDD,DD,K%
4265 PRINT USING 266;"Wind angle is: ",Data$(45)," Degree."%
4266 IMAGE 10X,K,DDD,K%
4267 PRINT USING 268;"Type of flow is: ",Flow%
4268 IMAGE 10X,K,K%
4269 PRINT USING 268;"Location of opening: ",Opening%
4270 PRINT USING 271;"End of comparison."%
4271 IMAGE 10X,K%
4272 NEXT Loop%
4273
4274
4275 PRINTER IS 16%
4276 PRINT PAGE%
4277 PRINT "Would you like to dump another set of test datas? (%
Answer Y/N)"%
4278 BEEP%
4279 INPUT Ans2%
4280 IF Ans2$="Y" THEN GOTO 34%
4281 PRINT PAGE%
4282 END%

```

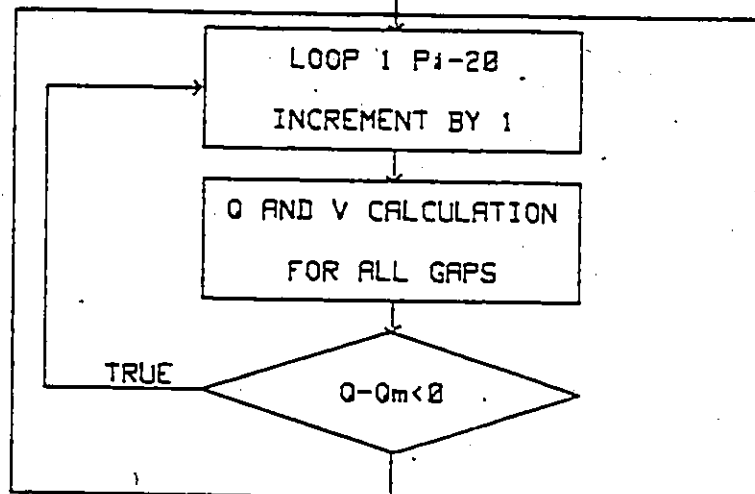
DATA ANALYSE PROGRAM FOR AVERAGE
INTERNAL PRESSURE CALCULATION



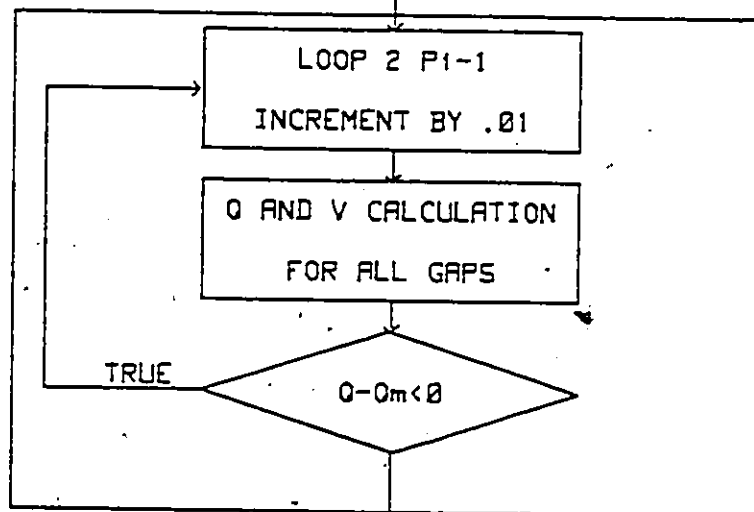
TRIAL AND ERROR LOOPS FOR AVERAGE INTERNAL PRESSURE



TRIAL AND
ERROR
LOOP 1

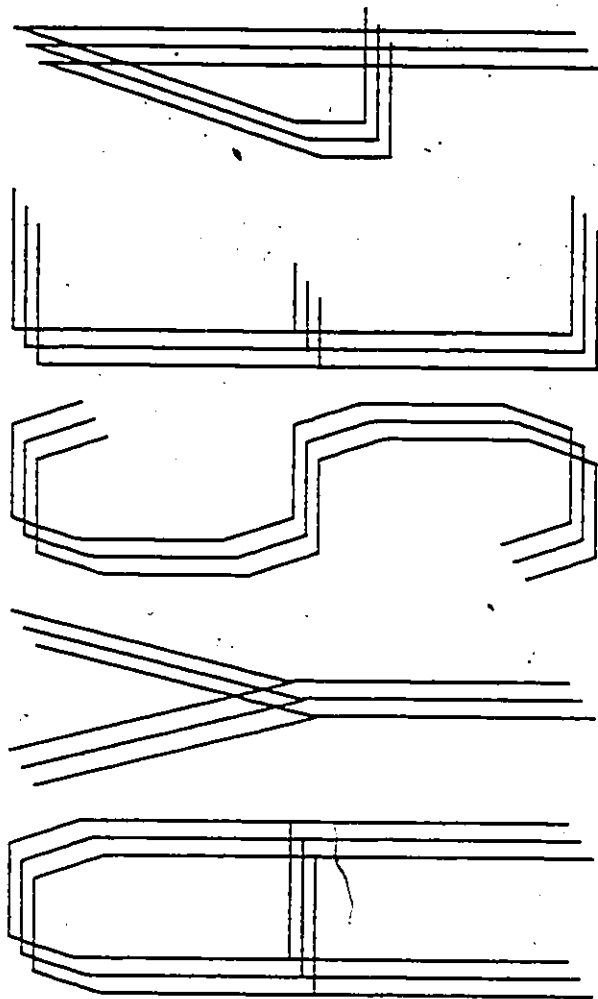


TRIAL AND
ERROR
LOOP 2



TRIAL AND
ERROR
LOOP 3

LOOP EXIT



國家發展委員會

***** TO SET UP THE CRT *****

```
! Define printer.%
```

```
! Define all arrays start at 1.%
```

PRINT PAGES

Insert data cartridge and press CONT.*

PAUSE 5

Chang

```
! Request for number of file to dump
```

How many file would you like to dump?"

INPUT NUMS

PRINT PAGE 4

PRINT '44444444'

MAXIMUM NUMBER OF FILE TO BE DUMP IS 40%

PRINT PAGE

```
! Loop to input file names
```

Input name of file # ' , 14

•

```

# ",I," file name is : ",File$(ID),

```

IMAGE K,DD,K,K\$

WAIT 1500s

! List out all input file names

LIST OF FILES TO BE DUMPED

```
FOR I=1 TO NumS
```

```

# ' , I , ' : ' , Files$(I) &

```

NEXT IS

If there is any changes, enter the subscript then CONT."s

If there is no changes, then press CONT to start executions

INPUT Changes

PRINT PAGES

IMAGE K, DDS

Enter the new file name for file / *,Changes

Change = 0¢

! Request for hardcopy printing.

Please switch on printer."

WAIT. 30005

```

1  9
2  Initialize the loops

```

```

1 Initialize the loops

```

```

480 MAT Dates=(0)%
481 MAT Press=(0)%
482 MAT Vel=(0)%
483 MAT Re=(0)%
484
485
486
487 ! ##### BRANCHING FOR ERROR #####
488
489 ON ERROR GOTO Error_control%
490 GOTO 111%
491
492
493 ! ##### ERROR TRAPPING ROUTINE #####
494
495 Error_control:
496 PRINT PAGE%
497 BEEP%
498 IF ERRN=56 THEN PRINT "##### SPECIFIED FILE NOT ON TAPE%"
499 IF ERRN=56 THEN WAIT 2000%
500 IF ERRN=56 THEN GOTO 39%
501 IF ERRN=58 THEN PRINT "##### SPECIFIED FILE NOT A DATA FILE"
502
503 IF ERRN=58 THEN WAIT 2000%
504 IF ERRN=58 THEN GOTO 39%
505 IF (ERRN=59) AND (ERRL=153) THEN GOTO 153%
506 IF (ERRN=59) AND (ERRL=182) THEN GOTO 184%
507 IF (ERRN=59) AND (ERRL=215) THEN GOTO 217%
508 PRINT ERRM%
509 STOP%
510
511 ! ##### READ DATA FROM TAPE #####
512
513 IF Loop=1 THEN ASSIGN #1 TO File$(1)%
514 IF Loop=2 THEN ASSIGN #1 TO File$(2)%
515 IF Loop=3 THEN ASSIGN #1 TO File$(3)%
516 IF Loop=4 THEN ASSIGN #1 TO File$(4)%
517 IF Loop=5 THEN ASSIGN #1 TO File$(5)%
518 IF Loop=6 THEN ASSIGN #1 TO File$(6)%
519 IF Loop=7 THEN ASSIGN #1 TO File$(7)%
520 IF Loop=8 THEN ASSIGN #1 TO File$(8)%
521 IF Loop=9 THEN ASSIGN #1 TO File$(9)%
522 IF Loop=10 THEN ASSIGN #1 TO File$(10)%
523 IF Loop=11 THEN ASSIGN #1 TO File$(11)%
524 IF Loop=12 THEN ASSIGN #1 TO File$(12)%
525 IF Loop=13 THEN ASSIGN #1 TO File$(13)%
526 IF Loop=14 THEN ASSIGN #1 TO File$(14)%
527 IF Loop=15 THEN ASSIGN #1 TO File$(15)%
528 IF Loop=16 THEN ASSIGN #1 TO File$(16)%
529 IF Loop=17 THEN ASSIGN #1 TO File$(17)%
530 IF Loop=18 THEN ASSIGN #1 TO File$(18)%
531 IF Loop=19 THEN ASSIGN #1 TO File$(19)%
532 IF Loop=20 THEN ASSIGN #1 TO File$(20)%
533 IF Loop=21 THEN ASSIGN #1 TO File$(21)%
534 IF Loop=22 THEN ASSIGN #1 TO File$(22)%
535 IF Loop=23 THEN ASSIGN #1 TO File$(23)%
536 IF Loop=24 THEN ASSIGN #1 TO File$(24)%
537 IF Loop=25 THEN ASSIGN #1 TO File$(25)%
538 IF Loop=26 THEN ASSIGN #1 TO File$(26)%
539 IF Loop=27 THEN ASSIGN #1 TO File$(27)%
540 IF Loop=28 THEN ASSIGN #1 TO File$(28)%
541 IF Loop=29 THEN ASSIGN #1 TO File$(29)%
542 IF Loop=30 THEN ASSIGN #1 TO File$(30)%
543 IF Loop=31 THEN ASSIGN #1 TO File$(31)%
544 IF Loop=32 THEN ASSIGN #1 TO File$(32)%
545 IF Loop=33 THEN ASSIGN #1 TO File$(33)%
546 IF Loop=34 THEN ASSIGN #1 TO File$(34)%
547 IF Loop=35 THEN ASSIGN #1 TO File$(35)%
548 IF Loop=36 THEN ASSIGN #1 TO File$(36)%
549 IF Loop=37 THEN ASSIGN #1 TO File$(37)%
550 IF Loop=38 THEN ASSIGN #1 TO File$(38)%
551 IF Loop=39 THEN ASSIGN #1 TO File$(39)%
552 IF Loop=40 THEN ASSIGN #1 TO File$(40)%
553
554 READ #1,1;A,B,C,D,E,F,G,H,I,J,K,L,M,N,O,P,Q,R,S,T,U,V,W,X,Y,Z%
555
556 Dates(1)=A%
557 Dates(2)=B%
558 Dates(3)=C%
559 Dates(4)=D%
560 Dates(5)=E%
561 Dates(6)=F%
562 Dates(7)=G%

```

Read data 1 to 26 from tape.%
P,Q,R,S,T,U,V,W,X,Y,Z%
Reallocate memory.%

```

4163 Datas(8)=H%
4164 Datas(9)=I%
4165 Datas(10)=J%
4166 Datas(11)=K%
4167 Datas(12)=L%
4168 Datas(13)=M%
4169 Datas(14)=N%
4170 Datas(15)=O%
4171 Datas(16)=P%
4172 Datas(17)=Q%
4173 Datas(18)=R%
4174 Datas(19)=S%
4175 Datas(20)=T%
4176 Datas(21)=U%
4177 Datas(22)=V%
4178 Datas(23)=W%
4179 Datas(24)=X%
4180 Datas(25)=Y%
4181 Datas(26)=Z%
4182
4183 READ #1,2,A,B,C,D,E,F,G,H,I,J,K,L,M,N,O,P,Q,R,S,T,U,V,W,X,Y,Z,Z1,Z2,Z3% ! Read data 27 to 55 from tape.%
4184                                     ! Reallocate memory.%
4185 Datas(27)=A%
4186 Datas(28)=B%
4187 Datas(29)=C%
4188 Datas(30)=D%
4189 Datas(31)=E%
4190 Datas(32)=F%
4191 Datas(33)=G%
4192 Datas(34)=H%
4193 Datas(35)=I%
4194 Datas(36)=J%
4195 Datas(37)=K%
4196 Datas(38)=L%
4197 Datas(39)=M%
4198 Datas(40)=N%
4199 Datas(41)=O%
4200 Datas(42)=P%
4201 Datas(43)=Q%
4202 Datas(44)=R%
4203 Datas(45)=S%
4204 Datas(46)=T%
4205 Datas(47)=U%
4206 Datas(48)=V%
4207 Datas(49)=W%
4208 Datas(50)=X%
4209 Datas(51)=Y%
4210 Datas(52)=Z%
4211 Datas(53)=Z1%
4212 Datas(54)=Z2%
4213 Datas(55)=Z3%
4214
4215                                     ! %
4216 READ #1,3,Tflow$,Lopen$%           ! Read string data from tape.%
4217                                     ! %
4218                                     ! %
4219 ! ##### CALCULATE PRESSURE DROP ##### ! %
4220                                     ! %
4221 Press(1)=Datas(1)%
4222 Press(2)=(Datas(1)+Datas(2))/2%
4223 Press(3)=(Datas(2)+Datas(3))/2%
4224 Press(4)=Datas(3)%
4225 Press(5)=Datas(4)%
4226 Press(6)=(Datas(4)+Datas(5))/2%
4227 Press(7)=(Datas(5)+Datas(6))/2%
4228 Press(8)=Datas(6)%
4229 Press(9)=Datas(7)%
4230 Press(10)=(Datas(7)+Datas(8))/2%
4231 Press(11)=(Datas(8)+Datas(9))/2%
4232 Press(12)=Datas(9)%
4233 Press(13)=Datas(10)%
4234 Press(14)=(Datas(10)+Datas(11))/2%
4235 Press(15)=(Datas(11)+Datas(12))/2%
4236 Press(16)=Datas(12)%
4237 Press(17)=Datas(13)%
4238 Press(18)=(Datas(13)+Datas(14))/2%
4239 Press(19)=(Datas(14)+Datas(15))/2%
4240 Press(20)=Datas(15)%
4241 Press(21)=Datas(16)%
4242 Press(22)=(Datas(16)+Datas(17))/2%
4243 Press(23)=(Datas(17)+Datas(18))/2%
4244 Press(24)=Datas(18)%
4245 Press(25)=Datas(19)%
4246 Press(26)=(Datas(19)+Datas(20))/2%

```

```

4247 Press(27)=(Data(20)+Data(21))/2%
4248 Press(28)=Data(21)%
4249 Press(29)=Data(22)%
4250 Press(30)=(Data(22)+Data(23))/2%
4251 Press(31)=(Data(23)+Data(24))/2%
4252 Press(32)=Data(24)%
4253 Press(33)=Data(25)%
4254 Press(34)=(Data(25)+Data(26))/2%
4255 Press(35)=(Data(26)+Data(27))/2%
4256 Press(36)=Data(27)%
4257 Press(37)=Data(28)%
4258 Press(38)=(Data(28)+Data(29))/2%
4259 Press(39)=(Data(29)+Data(30))/2%
4260 Press(40)=Data(30)%
4261 Press(41)=Data(31)%
4262 Press(42)=(Data(31)+Data(32))/2%
4263 Press(43)=(Data(32)+Data(33))/2%
4264 Press(44)=Data(33)%
4265 Press(45)=Data(34)%
4266 Press(46)=(Data(34)+Data(35))/2%
4267 Press(47)=(Data(35)+Data(36))/2%
4268 Press(48)=Data(36)%
4269
4270
4271
4272 Exp_int_press=(Data(37)+Data(38)+Data(39)+Data(40))/4%
4273
4274 M_vent=Data(44)*.3048^3/3600%
4275 Area=PI*.2E-3^2/4%
4276
4277 ! ***** ANALYSE DATA *****
4278
4279 I=0%
4280 PRINT PAGE%
4281 PRINT "*****"
4282 FOR Intpress=-200 TO 0 STEP 20
4283     Flow=0%
4284     FOR J=1+4*I TO 4+4*I
4285         IF Press(J)-Intpress>0 THEN Vel(J)=(-1.95072+SQR(1.95072^2+4*.9*ABS%
4286             (Press(J)-Intpress)))/1.8%
4287         IF Press(J)-Intpress<0 THEN Vel(J)=-(-1.95072+SQR(1.95072^2+4*.9*ABS%
4288             (Press(J)-Intpress)))/1.8%
4289         Flow=Flow+Vel(J)*Area%
4290     NEXT J%
4291     FOR J=13+4*I TO 16+4*I
4292         IF Press(J)-Intpress>0 THEN Vel(J)=(-1.95072+SQR(1.95072^2+4*.9*ABS%
4293             (Press(J)-Intpress)))/1.8%
4294         IF Press(J)-Intpress<0 THEN Vel(J)=-(-1.95072+SQR(1.95072^2+4*.9*ABS%
4295             (Press(J)-Intpress)))/1.8%
4296         Flow=Flow+Vel(J)*Area%
4297     NEXT J%
4298     FOR J=25+4*I TO 28+4*I
4299         IF Press(J)-Intpress>0 THEN Vel(J)=(-1.95072+SQR(1.95072^2+4*.9*ABS%
4300             (Press(J)-Intpress)))/1.8%
4301         IF Press(J)-Intpress<0 THEN Vel(J)=-(-1.95072+SQR(1.95072^2+4*.9*ABS%
4302             (Press(J)-Intpress)))/1.8%
4303         Flow=Flow+Vel(J)*Area%
4304     NEXT J%
4305     IF Flow-M_vent<0 THEN Counter=Intpress%
4306     IF Flow-M_vent<0 THEN GOTO 307%
4307 NEXT Intpress%
4308
4309 PRINT PAGE%
4310 PRINT "*****"
4311 FOR Intpress=Counter-20 TO Counter STEP 1%
4312     Flow=0%
4313     FOR J=1+4*I TO 4+4*I
4314         IF Press(J)-Intpress>0 THEN Vel(J)=(-1.95072+SQR(1.95072^2+4*.9*ABS%
4315             (Press(J)-Intpress)))/1.8%
4316         IF Press(J)-Intpress<0 THEN Vel(J)=-(-1.95072+SQR(1.95072^2+4*.9*ABS%
4317             (Press(J)-Intpress)))/1.8%
4318         Flow=Flow+Vel(J)*Area%
4319     NEXT J%
4320     FOR J=13+4*I TO 16+4*I
4321         IF Press(J)-Intpress>0 THEN Vel(J)=(-1.95072+SQR(1.95072^2+4*.9*ABS%
4322             (Press(J)-Intpress)))/1.8%
4323         IF Press(J)-Intpress<0 THEN Vel(J)=-(-1.95072+SQR(1.95072^2+4*.9*ABS%
4324             (Press(J)-Intpress)))/1.8%
4325         Flow=Flow+Vel(J)*Area%
4326     NEXT J%
4327     FOR J=25+4*I TO 28+4*I
4328         IF Press(J)-Intpress>0 THEN Vel(J)=(-1.95072+SQR(1.95072^2+4*.9*ABS%
4329             (Press(J)-Intpress)))/1.8%
4330         IF Press(J)-Intpress<0 THEN Vel(J)=-(-1.95072+SQR(1.95072^2+4*.9*ABS%
4331             (Press(J)-Intpress)))/1.8%
4332         Flow=Flow+Vel(J)*Area%
4333     NEXT J%
4334     IF Flow-M_vent<0 THEN Counter=Intpress%
4335     IF Flow-M_vent<0 THEN GOTO 307%
4336 NEXT Intpress%
4337
4338 PRINT PAGE%
4339 PRINT "*****"
4340 FOR Intpress=Counter-20 TO Counter STEP 1%
4341     Flow=0%
4342     FOR J=1+4*I TO 4+4*I
4343         IF Press(J)-Intpress>0 THEN Vel(J)=(-1.95072+SQR(1.95072^2+4*.9*ABS%
4344             (Press(J)-Intpress)))/1.8%
4345         IF Press(J)-Intpress<0 THEN Vel(J)=-(-1.95072+SQR(1.95072^2+4*.9*ABS%
4346             (Press(J)-Intpress)))/1.8%
4347         Flow=Flow+Vel(J)*Area%
4348     NEXT J%
4349     FOR J=13+4*I TO 16+4*I
4350         IF Press(J)-Intpress>0 THEN Vel(J)=(-1.95072+SQR(1.95072^2+4*.9*ABS%
4351             (Press(J)-Intpress)))/1.8%
4352         IF Press(J)-Intpress<0 THEN Vel(J)=-(-1.95072+SQR(1.95072^2+4*.9*ABS%
4353             (Press(J)-Intpress)))/1.8%
4354         Flow=Flow+Vel(J)*Area%
4355     NEXT J%
4356     FOR J=25+4*I TO 28+4*I
4357         IF Press(J)-Intpress>0 THEN Vel(J)=(-1.95072+SQR(1.95072^2+4*.9*ABS%
4358             (Press(J)-Intpress)))/1.8%
4359         IF Press(J)-Intpress<0 THEN Vel(J)=-(-1.95072+SQR(1.95072^2+4*.9*ABS%
4360             (Press(J)-Intpress)))/1.8%
4361         Flow=Flow+Vel(J)*Area%
4362     NEXT J%
4363     IF Flow-M_vent<0 THEN Counter=Intpress%
4364     IF Flow-M_vent<0 THEN GOTO 307%
4365 NEXT Intpress%
4366
4367 PRINT PAGE%
4368 PRINT "*****"
4369 FOR Intpress=Counter-20 TO Counter STEP 1%
4370     Flow=0%
4371     FOR J=1+4*I TO 4+4*I
4372         IF Press(J)-Intpress>0 THEN Vel(J)=(-1.95072+SQR(1.95072^2+4*.9*ABS%
4373             (Press(J)-Intpress)))/1.8%
4374         IF Press(J)-Intpress<0 THEN Vel(J)=-(-1.95072+SQR(1.95072^2+4*.9*ABS%
4375             (Press(J)-Intpress)))/1.8%
4376         Flow=Flow+Vel(J)*Area%
4377     NEXT J%
4378     FOR J=13+4*I TO 16+4*I
4379         IF Press(J)-Intpress>0 THEN Vel(J)=(-1.95072+SQR(1.95072^2+4*.9*ABS%
4380             (Press(J)-Intpress)))/1.8%
4381         IF Press(J)-Intpress<0 THEN Vel(J)=-(-1.95072+SQR(1.95072^2+4*.9*ABS%
4382             (Press(J)-Intpress)))/1.8%
4383         Flow=Flow+Vel(J)*Area%
4384     NEXT J%
4385     FOR J=25+4*I TO 28+4*I
4386         IF Press(J)-Intpress>0 THEN Vel(J)=(-1.95072+SQR(1.95072^2+4*.9*ABS%
4387             (Press(J)-Intpress)))/1.8%
4388         IF Press(J)-Intpress<0 THEN Vel(J)=-(-1.95072+SQR(1.95072^2+4*.9*ABS%
4389             (Press(J)-Intpress)))/1.8%
4390         Flow=Flow+Vel(J)*Area%
4391     NEXT J%
4392     IF Flow-M_vent<0 THEN Counter=Intpress%
4393     IF Flow-M_vent<0 THEN GOTO 307%
4394 NEXT Intpress%
4395
4396 PRINT PAGE%
4397 PRINT "*****"
4398 FOR Intpress=Counter-20 TO Counter STEP 1%
4399     Flow=0%
4400     FOR J=1+4*I TO 4+4*I
4401         IF Press(J)-Intpress>0 THEN Vel(J)=(-1.95072+SQR(1.95072^2+4*.9*ABS%
4402             (Press(J)-Intpress)))/1.8%
4403         IF Press(J)-Intpress<0 THEN Vel(J)=-(-1.95072+SQR(1.95072^2+4*.9*ABS%
4404             (Press(J)-Intpress)))/1.8%
4405         Flow=Flow+Vel(J)*Area%
4406     NEXT J%
4407     FOR J=13+4*I TO 16+4*I
4408         IF Press(J)-Intpress>0 THEN Vel(J)=(-1.95072+SQR(1.95072^2+4*.9*ABS%
4409             (Press(J)-Intpress)))/1.8%
4410         IF Press(J)-Intpress<0 THEN Vel(J)=-(-1.95072+SQR(1.95072^2+4*.9*ABS%
4411             (Press(J)-Intpress)))/1.8%
4412         Flow=Flow+Vel(J)*Area%
4413     NEXT J%
4414     FOR J=25+4*I TO 28+4*I
4415         IF Press(J)-Intpress>0 THEN Vel(J)=(-1.95072+SQR(1.95072^2+4*.9*ABS%
4416             (Press(J)-Intpress)))/1.8%
4417         IF Press(J)-Intpress<0 THEN Vel(J)=-(-1.95072+SQR(1.95072^2+4*.9*ABS%
4418             (Press(J)-Intpress)))/1.8%
4419         Flow=Flow+Vel(J)*Area%
4420     NEXT J%
4421     IF Flow-M_vent<0 THEN Counter=Intpress%
4422     IF Flow-M_vent<0 THEN GOTO 307%
4423 NEXT Intpress%
4424
4425 PRINT PAGE%
4426 PRINT "*****"
4427 FOR Intpress=Counter-20 TO Counter STEP 1%
4428     Flow=0%
4429     FOR J=1+4*I TO 4+4*I
4430         IF Press(J)-Intpress>0 THEN Vel(J)=(-1.95072+SQR(1.95072^2+4*.9*ABS%
4431             (Press(J)-Intpress)))/1.8%
4432         IF Press(J)-Intpress<0 THEN Vel(J)=-(-1.95072+SQR(1.95072^2+4*.9*ABS%
4433             (Press(J)-Intpress)))/1.8%
4434         Flow=Flow+Vel(J)*Area%
4435     NEXT J%
4436     FOR J=13+4*I TO 16+4*I
4437         IF Press(J)-Intpress>0 THEN Vel(J)=(-1.95072+SQR(1.95072^2+4*.9*ABS%
4438             (Press(J)-Intpress)))/1.8%
4439         IF Press(J)-Intpress<0 THEN Vel(J)=-(-1.95072+SQR(1.95072^2+4*.9*ABS%
4440             (Press(J)-Intpress)))/1.8%
4441         Flow=Flow+Vel(J)*Area%
4442     NEXT J%
4443     FOR J=25+4*I TO 28+4*I
4444         IF Press(J)-Intpress>0 THEN Vel(J)=(-1.95072+SQR(1.95072
```



```

4320 IF Press(J)-Intpress<0 THEN Vel(J)=-(-1.95072+SQR(1.95072^2+4*.9*ABS
4321 S(Press(J)-Intpress)))/1.8%
4322 Flow=Flow+Vel(J)*Area%
4323 NEXT J%
4324 FOR J=25+4*I TO 28+4*I ! South side.%
4325 IF Press(J)-Intpress>0 THEN Vel(J)=(-1.95072+SQR(1.95072^2+4*.9*ABS
4326 S(Press(J)-Intpress)))/1.8%
4327 IF Press(J)-Intpress<0 THEN Vel(J)=-(-1.95072+SQR(1.95072^2+4*.9*ABS
4328 S(Press(J)-Intpress)))/1.8%
4329 Flow=Flow+Vel(J)*Area%
4330 NEXT J%
4331 FOR J=37+4*I TO 40+4*I ! West side.%
4332 IF Press(J)-Intpress>0 THEN Vel(J)=(-1.95072+SQR(1.95072^2+4*.9*ABS
4333 S(Press(J)-Intpress)))/1.8%
4334 IF Press(J)-Intpress<0 THEN Vel(J)=-(-1.95072+SQR(1.95072^2+4*.9*ABS
4335 S(Press(J)-Intpress)))/1.8%
4336 Flow=Flow+Vel(J)*Area%
4337 NEXT J%
4338 IF Flow-M_vent<0 THEN Counter=Intpress%
4339 IF Flow-M_vent<0 THEN GOTO 336%
4340 NEXT Intpress%
4341 ! %
4342 ! Trial and error loop 3.%
4343 PRINT PAGE%
4344 PRINT "*****" TRIAL AND ERROR LOOP 3.%
4345 FOR Intpress=Counter-1 TO Counter STEP .01%
4346 Flow=0%
4347 FOR J=1+4*I TO 4+4*I ! North side.%
4348 IF Press(J)-Intpress>0 THEN Vel(J)=(-1.95072+SQR(1.95072^2+4*.9*ABS
4349 S(Press(J)-Intpress)))/1.8%
4350 IF Press(J)-Intpress<0 THEN Vel(J)=-(-1.95072+SQR(1.95072^2+4*.9*ABS
4351 S(Press(J)-Intpress)))/1.8%
4352 Flow=Flow+Vel(J)*Area%
4353 NEXT J%
4354 FOR J=13+4*I TO 16+4*I ! East side.%
4355 IF Press(J)-Intpress>0 THEN Vel(J)=(-1.95072+SQR(1.95072^2+4*.9*ABS
4356 S(Press(J)-Intpress)))/1.8%
4357 IF Press(J)-Intpress<0 THEN Vel(J)=-(-1.95072+SQR(1.95072^2+4*.9*ABS
4358 S(Press(J)-Intpress)))/1.8%
4359 Flow=Flow+Vel(J)*Area%
4360 NEXT J%
4361 FOR J=25+4*I TO 28+4*I ! South side.%
4362 IF Press(J)-Intpress>0 THEN Vel(J)=(-1.95072+SQR(1.95072^2+4*.9*ABS
4363 S(Press(J)-Intpress)))/1.8%
4364 IF Press(J)-Intpress<0 THEN Vel(J)=-(-1.95072+SQR(1.95072^2+4*.9*ABS
4365 S(Press(J)-Intpress)))/1.8%
4366 Flow=Flow+Vel(J)*Area%
4367 NEXT J%
4368 FOR J=37+4*I TO 40+4*I ! West side.%
4369 IF Press(J)-Intpress>0 THEN Vel(J)=(-1.95072+SQR(1.95072^2+4*.9*ABS
4370 S(Press(J)-Intpress)))/1.8%
4371 IF Press(J)-Intpress<0 THEN Vel(J)=-(-1.95072+SQR(1.95072^2+4*.9*ABS
4372 S(Press(J)-Intpress)))/1.8%
4373 Flow=Flow+Vel(J)*Area%
4374 NEXT J%
4375 ! %
4376 IF Flow-M_vent<0 THEN Internal(I+1)=Intpress-.01%
4377 IF Flow-M_vent<0 THEN GOTO 366%
4378 NEXT Intpress%
4379 I=I+1%
4380 IF I<5 THEN GOTO 280 ! Condition branching.%
4381 ! %
4382 ! Calculate Reynold number.%
4383 FOR J=1 TO 48%
4384 Re(J)=ABS(Vel(J))*2E-3/1.6E-5%
4385 Flow(J)=Vel(J)*Area%
4386 NEXT J%
4387 ! %
4388 ! Printing routine.%
4389 ! ***** PRINTING ROUTINE ***** ! %
4390 PRINT PAGE%
4391 PRINT "*****" PRINTER IS PRINTING%
4392 PRINT IS 7,6%
4393 PRINT PAGE%
4394 PRINT USING 383;"*****FLOW RATE, REYNOLD # & INTERNAL PRESSURE BY TRIAL & E%
4395 RROR : ",File$(Loop)%
4396 IMAGE 10X,K,K%
4397 PRINT USING 383;"-----%
4398 PRINT USING 383;"44Test Parameters:"%
4399 PRINT USING 387;"4Wind Velocity Of Wind Tunnel is : ",Data$(43)," m/s.%
4400 IMAGE 12X,K,DD,DD,K%
4401 PRINT USING 389;"4Wind Angle is : ",Data$(45)," degree.%

```

```

4389 IMAGE 12X,K,DDD,K%
4390 PRINT USING 391;"Type Of Flow : ",Tflow%
4391 IMAGE 12X,K,K%
4392 PRINT USING 393;"Mechanical Ventilation : ",M_vent," cu m/s."%
4393 IMAGE 12X,K,MD.DDDDE,K%
4394 PRINT USING 395;"All Gaps Are Open."%
4395 IMAGE 12X,K%
4396 PRINT USING 397;"Internal Pressure (Experimental Measured): ",Exp_int_press%
4397 Pa.%
4397 IMAGE 14X,K,MDDD.DD,K%
4398 PRINT USING 397;"Internal Pressure (Level 1 , Calculated) : ",Internal(3),%
4398 Pa.%
4399 PRINT USING 397;"Internal Pressure (Level 2 , Calculated) : ",Internal(2),%
4399 Pa.%
4400 PRINT USING 397;"Internal Pressure (Level 3 , Calculated) : ",Internal(1),%
4400 Pa.%
4401 PRINT "%
4402 FOR J=1 TO 48%
4403 PRINT USING 404;"Gap #",J," ...Flow Rate : ",Flow(J)," cu m/s...Re # : %
4403 Re(J)%
4404 IMAGE 14X,K,DD,K,MD.DDDDE,K,DDDD.%
4405 NEXT J%
4406 PRINT USING 383;"-----"
4407
4408
4409 PRINTER IS 16%
4410 NEXT Loop%
4411 PRINTER IS 16%
4412 PRINT PAGE%
4413 END%

```

APPENDIX B

TABULATED TEST RESULTS
FOR SIMULATION OF WIND EFFECT

LIST OF TESTINGS

	TEST	TAPE	V(m/s)	ANGLE	T.FLOW	F.RATE	L.OPEN
1	TEST1	1	10 m/s	0	UNIFORM	0	ALL OPEN
2	TEST2	1	10 m/s	10	UNIFORM	0	ALL OPEN
3	TEST3	1	10 m/s	20	UNIFORM	0	ALL OPEN
4	TEST4	1	10 m/s	30	UNIFORM	0	ALL OPEN
5	TEST5	1	10 m/s	40	UNIFORM	0	ALL OPEN
6	TEST6	1	10 m/s	50	UNIFORM	0	ALL OPEN
7	TEST7	1	10 m/s	60	UNIFORM	0	ALL OPEN
8	TEST8	1	10 m/s	70	UNIFORM	0	ALL OPEN
9	TEST9	1	10 m/s	80	UNIFORM	0	ALL OPEN
10	TEST10	1	10 m/s	90	UNIFORM	0	ALL OPEN
11	TEST11	1	10 m/s	120	UNIFORM	0	ALL OPEN
12	TEST12	1	10 m/s	150	UNIFORM	0	ALL OPEN
13	TEST13	1	10 m/s	180	UNIFORM	0	ALL OPEN
14	TEST14	1	10 m/s	210	UNIFORM	0	ALL OPEN
15	TEST15	1	10 m/s	240	UNIFORM	0	ALL OPEN
16	TEST16	1	10 m/s	270	UNIFORM	0	ALL OPEN
17	TEST17	1	10 m/s	300	UNIFORM	0	ALL OPEN
18	TEST18	1	10 m/s	330	UNIFORM	0	ALL OPEN
19	TEST19	1	10 m/s	45	UNIFORM	0	ALL OPEN
20	TEST20	1	15 m/s	0	UNIFORM	0	ALL OPEN
21	TEST21	1	12.5m/s	0	UNIFORM	0	ALL OPEN
22	TEST22	1	12.5m/s	10	UNIFORM	0	ALL OPEN
23	TEST23	1	12.5m/s	20	UNIFORM	0	ALL OPEN
24	TEST24	1	12.5m/s	30	UNIFORM	0	ALL OPEN
25	TEST25	1	12.5m/s	40	UNIFORM	0	ALL OPEN
26	TEST26	1	12.5m/s	45	UNIFORM	0	ALL OPEN
27	TEST27	1	12.5m/s	50	UNIFORM	0	ALL OPEN
28	TEST28	1	12.5m/s	60	UNIFORM	0	ALL OPEN
29	TEST29	1	12.5m/s	70	UNIFORM	0	ALL OPEN
30	TEST30	1	12.5m/s	80	UNIFORM	0	ALL OPEN
31	TEST31	1	12.5m/s	90	UNIFORM	0	ALL OPEN
32	TEST32	1	12.5m/s	120	UNIFORM	0	ALL OPEN
33	TEST33	1	12.5m/s	150	UNIFORM	0	ALL OPEN
34	TEST34	1	12.5m/s	180	UNIFORM	0	ALL OPEN
35	TEST35	1	12.5m/s	210	UNIFORM	0	ALL OPEN
36	TEST36	1	12.5m/s	240	UNIFORM	0	ALL OPEN
37	TEST37	1	12.5m/s	270	UNIFORM	0	ALL OPEN
38	TEST38	1	12.5m/s	300	UNIFORM	0	ALL OPEN
39	TEST39	1	12.5m/s	330	UNIFORM	0	ALL OPEN
40	TEST40	1	5 m/s	0	UNIFORM	0	ALL OPEN
41	TEST41	1	5 m/s	10	UNIFORM	0	ALL OPEN
42	TEST42	1	5 m/s	20	UNIFORM	0	ALL OPEN
43	TEST43	2	5 m/s	30	UNIFORM	0	ALL OPEN
44	TEST44	2	5 m/s	40	UNIFORM	0	ALL OPEN
45	TEST45	2	5 m/s	45	UNIFORM	0	ALL OPEN
46	TEST46	2	5 m/s	50	UNIFORM	0	ALL OPEN
47	TEST47	2	5 m/s	60	UNIFORM	0	ALL OPEN
48	TEST48	2	5 m/s	70	UNIFORM	0	ALL OPEN
49	TEST49	2	5 m/s	80	UNIFORM	0	ALL OPEN
50	TEST50	2	5 m/s	90	UNIFORM	0	ALL OPEN
51	TEST51	2	7.5 m/s	0	UNIFORM	0	ALL OPEN
52	TEST52	2	7.5 m/s	10	UNIFORM	0	ALL OPEN
53	TEST53	2	7.5 m/s	20	UNIFORM	0	ALL OPEN
54	TEST54	2	7.5 m/s	30	UNIFORM	0	ALL OPEN
55	TEST55	2	7.5 m/s	40	UNIFORM	0	ALL OPEN
56	TEST56	2	7.5 m/s	45	UNIFORM	0	ALL OPEN
57	TEST57	2	7.5 m/s	50	UNIFORM	0	ALL OPEN

58	TEST58	2	7.5 m/s	60	UNIFORM	0	ALL OPEN
59	TEST59	2	7.5 m/s	70	UNIFORM	0	ALL OPEN
60	TEST60	2	7.5 m/s	80	UNIFORM	0	ALL OPEN
61	TEST61	2	7.5 m/s	90	UNIFORM	0	ALL OPEN
62	TEST62	2	10 m/s	0	SHEAR	0	ALL OPEN
63	TEST63	2	10 m/s	10	SHEAR	0	ALL OPEN
64	TEST64	2	10 m/s	20	SHEAR	0	ALL OPEN
65	TEST65	2	10 m/s	30	SHEAR	0	ALL OPEN
66	TEST66	2	10 m/s	40	SHEAR	0	ALL OPEN
67	TEST67	2	10 m/s	45	SHEAR	0	ALL OPEN
68	TEST68	2	10 m/s	50	SHEAR	0	ALL OPEN
69	TEST77	2	10 m/s	60	SHEAR	0	ALL OPEN
70	TEST78	2	10 m/s	70	SHEAR	0	ALL OPEN
71	TEST79	2	10 m/s	80	SHEAR	0	ALL OPEN
72	TEST80	2	10 m/s	90	SHEAR	0	ALL OPEN
73	TEST81	2	10 m/s	120	SHEAR	0	ALL OPEN
74	TEST82	2	10 m/s	150	SHEAR	0	ALL OPEN
75	TEST83	2	10 m/s	180	SHEAR	0	ALL OPEN
76	TEST84	3	10 m/s	210	SHEAR	0	ALL OPEN
77	TEST85	3	10 m/s	240	SHEAR	0	ALL OPEN
78	TEST86	3	10 m/s	270	SHEAR	0	ALL OPEN
79	TEST87	3	10 m/s	300	SHEAR	0	ALL OPEN
80	TEST88	3	10 m/s	330	SHEAR	0	ALL OPEN
81	TEST69	2	12.5 m/s	0	SHEAR	0	ALL OPEN
82	TEST70	2	5 m/s	0	SHEAR	0	ALL OPEN
83	TEST71	2	7.5 m/s	0	SHEAR	0	ALL OPEN
84	TEST72	2	10 m/s	0	SHEAR	0	N3rd & S1st row
85	TEST89	3	10 m/s	0	UNIFORM	0	N3rd & S1st row
86	TEST73	2	10 m/s	0	SHEAR	0	N1st & S3rd row
87	TEST92	3	10 m/s	0	UNIFORM	0	N1st & S3rd row
88	TEST74	2	10 m/s	0	SHEAR	0	N3rd & S3rd row
89	TEST90	3	10 m/s	0	UNIFORM	0	N3rd & S3rd row
90	TEST93	3	10 m/s	0	UNIFORM	0	N3rd & S3rd row
91	TEST75	2	10 m/s	0	SHEAR	0	N2nd & S2nd row
92	TEST94	3	10 m/s	0	UNIFORM	0	N2nd & S2nd row
93	TEST76	2	10 m/s	0	SHEAR	0	N1st & S1st row
94	TEST91	3	10 m/s	0	UNIFORM	0	N1st & S1st row
95	TEST97	3	10 m/s	0	SHEAR	0	Front and Back
96	TEST95	3	10 m/s	0	UNIFORM	0	Front and Back
97	TEST96	3	10 m/s	0	UNIFORM	0	Front and Back
98	TEST98	3	10 m/s	0	SHEAR	0	Front and Back

PRESSURE AND PRESSURE COEFFICIENT FOR TEST1

NOTE:

dP = PRESSURE DIFFERENCE ACROSS THE WALL.
dPw = EXTERNAL PRESSURE WRT REFERENCE PRESSURE.
Cp = PRESSURE COEFFICIENT BASED ON dP.
Cpw = PRESSURE COEFFICIENT BASED ON dPw.

	dP (Pa)	Cp	dPw (Pa)	Cpw
At N31 ...	85.66	1.4242	44.38	.7379
At N32 ...	92.65	1.5404	51.37	.8540
At N33 ...	87.12	1.4484	45.84	.7620
At N21 ...	91.96	1.5289	50.68	.8425
At N22 ...	99.89	1.6608	58.61	.9744
At N23 ...	92.80	1.5428	51.52	.8565
At N11 ...	97.03	1.6140	55.90	.9276
At N12 ...	99.06	1.6469	57.79	.9606
At N13 ...	90.69	1.5077	49.41	.8214
Average...	92.99	1.5460	51.71	.8597
At E31 ...	-22.01	-.3659	-63.29	-1.0522
At E32 ...	-20.40	-.3392	-61.68	-1.0255
At E33 ...	-20.36	-.3385	-61.64	-1.0248
At E21 ...	-24.63	-.4094	-65.91	-1.0958
At E22 ...	-23.36	-.3384	-64.64	-1.0747
At E23 ...	-20.61	-.3426	-61.89	-1.0289
At E11 ...	-25.83	-.4302	-67.16	-1.1166
At E12 ...	-33.59	-.5585	-74.87	-1.2448
At E13 ...	-30.34	-.5044	-71.62	-1.1907
Average...	-24.57	-.4086	-65.86	-1.0949
At S31 ...	-11.00	-.1829	-52.28	-.8692
At S32 ...	-11.83	-.1967	-53.12	-.8831
At S33 ...	-12.41	-.2063	-53.69	-.8926
At S21 ...	-4.35	-.0724	-45.64	-.7587
At S22 ...	-2.22	-.0368	-43.50	-.7232
At S23 ...	-6.88	-.1143	-48.16	-.8007
At S11 ...	.19	.0031	-41.10	-.6832
At S12 ...	1.51	.0251	-39.77	-.6612
At S13 ...	-1.02	-.0169	-42.30	-.7033
Average...	-5.33	-.0887	-46.62	-.7750
At W31 ...	-21.59	-.3590	-62.88	-1.0453
At W32 ...	-27.49	-.4571	-68.77	-1.1434
At W33 ...	-24.02	-.3993	-65.30	-1.0857
At W21 ...	-21.95	-.3650	-63.23	-1.0513
At W22 ...	-27.54	-.4576	-68.82	-1.1442
At W23 ...	-25.15	-.4182	-66.44	-1.1045
At W11 ...	-25.11	-.4175	-66.39	-1.1038
At W12 ...	-27.55	-.4581	-68.84	-1.1445
At W13 ...	-25.34	-.4212	-66.62	-1.1076
Average...	-25.08	-.4170	-66.37	-1.1034

Internal pressure (I4) is: -41.18 Pa.
Internal pressure (I3) is: -41.34 Pa.
Internal pressure (I2) is: -40.85 Pa.
Internal pressure (I1) is: -41.77 Pa.
Average internal pressure is: -41.28 Pa.

Temperature inside is: 22.99 Degree C.
Temperature outside is: 23.00 Degree C.

Wind velocity of wind tunnel is: 10.04 m/s.

Mechanical ventilation flow rate is: 0.00 cfm.

Wind angle is: 0 Degree.

Type of flow is: UNIFORM

Location of opening: ALL OPEN / 10 SECONDS

PRESSURE AND PRESSURE COEFFICIENT FOR TEST2

NOTE:

dP = PRESSURE DIFFERENCE ACROSS THE WALL.
dPw = EXTERNAL PRESSURE WRT REFERENCE PRESSURE.
Cp = PRESSURE COEFFICIENT BASED ON dP.
Cpw = PRESSURE COEFFICIENT BASED ON dPw.

	dP (Pa)	Cp	dPw (Pa)	Cpw
At N31 ...	84.67	1.4131	48.72	.8132
At N32 ...	86.73	1.4475	50.79	.8476
At N33 ...	79.79	1.3316	43.84	.7317
At N21 ...	91.03	1.5192	55.08	.9193
At N22 ...	92.79	1.5487	56.85	.9488
At N23 ...	80.94	1.3508	44.99	.7509
At N11 ...	92.98	1.5517	57.03	.9518
At N12 ...	89.01	1.4855	53.06	.8856
At N13 ...	74.43	1.2431	38.54	.6432
Average...	85.82	1.4324	49.88	.8325
At E31 ...	-23.28	-.3685	-59.23	-.9885
At E32 ...	-40.13	-.6706	-76.12	-1.2705
At E33 ...	-40.29	-.6724	-76.23	-1.2723
At E21 ...	-29.16	-.4867	-65.10	-1.0866
At E22 ...	-46.07	-.7688	-82.01	-1.3687
At E23 ...	-43.88	-.7324	-79.83	-1.3323
At E11 ...	16.34	.2727	-19.61	-.3272
At E12 ...	-37.71	-.6294	-73.66	-1.2294
At E13 ...	-62.86	-1.0491	-98.80	-1.6490
Average...	-34.12	-.5695	-70.07	-1.1694
At S31 ...	-14.93	-.2476	-50.78	-.8475
At S32 ...	-12.16	-.2030	-46.11	-.8029
At S33 ...	-9.44	-.1576	-45.31	-.7575
At S21 ...	-6.49	-.1082	-42.43	-.7081
At S22 ...	-7.77	-.1297	-43.71	-.7296
At S23 ...	-6.94	-.1158	-42.88	-.7157
At S11 ...	.53	.0089	-35.41	-.5910
At S12 ...	1.90	.0300	-34.14	-.5699
At S13 ...	1.91	.0319	-34.03	-.5680
Average...	-5.93	-.0990	-41.88	-.6989
At W31 ...	-15.79	-.2636	-51.74	-.8635
At W32 ...	-16.85	-.2812	-52.80	-.8811
At W33 ...	-19.10	-.3187	-55.04	-.9186
At W21 ...	-12.69	-.2117	-48.63	-.8116
At W22 ...	-14.95	-.2495	-50.90	-.8495
At W23 ...	-17.47	-.2916	-53.42	-.8915
At W11 ...	-13.87	-.2315	-49.82	-.8314
At W12 ...	-15.52	-.2590	-51.46	-.8589
At W13 ...	-16.52	-.2757	-52.47	-.8756
Average...	-15.86	-.2647	-51.81	-.8647

Internal pressure (I4) is: -36.16 Pa.
Internal pressure (I3) is: -36.34 Pa.
Internal pressure (I2) is: -35.81 Pa.
Internal pressure (I1) is: -35.46 Pa.
Average internal pressure is: -35.94 Pa.

Temperature inside is: 23.00 Degree C.
Temperature outside is: 23.07 Degree C.

Wind velocity of wind tunnel is: 10.02 m/s.

Mechanical ventilation flow rate is: 0.00 cfh.

Wind angle is: 10 Degree.

Type of flow is: UNIFORM

Location of opening: ALL OPEN / 10 SECONDS

PRESSURE AND PRESSURE COEFFICIENT FOR TEST3

NOTE:

dP = PRESSURE DIFFERENCE ACROSS THE WALL.
dPw = EXTERNAL PRESSURE WRT REFERENCE PRESSURE.
Cp = PRESSURE COEFFICIENT BASED ON dP.
Cpw = PRESSURE COEFFICIENT BASED ON dPw.

	dP (Pa)	Cp	dPw (Pa)	Cpw
At N31 ...	78.73	1.3175	50.79	.8493
At N32 ...	76.16	1.2735	48.16	.8053
At N33 ...	60.36	1.0093	32.36	.5411
At N21 ...	85.62	1.4316	57.62	.9634
At N22 ...	77.79	1.3008	49.79	.8326
At N23 ...	63.84	1.0675	35.84	.5993
At N11 ...	80.54	1.3467	52.54	.8785
At N12 ...	73.00	1.2207	45.00	.7525
At N13 ...	59.73	.9997	31.78	.5315
Average...	72.88	1.2186	44.88	.7504
At E31 ...	10.63	.1777	-17.37	-.2905
At E32 ...	-12.37	-.2069	-40.37	-.6751
At E33 ...	-29.69	-.4965	-57.69	-.9647
At E21 ...	13.67	.2286	-14.33	-.2396
At E22 ...	22.16	.3706	-5.84	-.0976
At E23 ...	-45.32	-.7577	-73.32	-1.2259
At E11 ...	15.48	.2588	-12.52	-.2094
At E12 ...	24.52	.4099	-3.48	-.0582
At E13 ...	1.32	.0220	-26.68	-.4462
Average...	.04	.0007	-27.96	-.4675
At S31 ...	-24.57	-.4109	-52.57	-.8791
At S32 ...	-18.98	-.3174	-46.98	-.7856
At S33 ...	-18.21	-.3045	-46.21	-.7727
At S21 ...	-19.82	-.3314	-47.32	-.7996
At S22 ...	-17.92	-.2996	-45.92	-.7678
At S23 ...	-17.73	-.2965	-45.73	-.7647
At S11 ...	-9.96	-.1666	-37.96	-.6343
At S12 ...	-9.44	-.1579	-37.44	-.6261
At S13 ...	-10.20	-.1706	-39.20	-.6388
Average...	-16.32	-.2728	-44.32	-.7410
At W31 ...	-26.71	-.4467	-54.71	-.9149
At W32 ...	-27.82	-.4652	-55.82	-.9334
At W33 ...	-29.25	-.4890	-57.25	-.9572
At W21 ...	-24.07	-.4025	-52.07	-.8707
At W22 ...	-26.70	-.4465	-54.70	-.9147
At W23 ...	-31.50	-.5268	-59.50	-.9949
At W11 ...	-20.83	-.3484	-48.83	-.8165
At W12 ...	-22.79	-.3811	-50.79	-.8493
At W13 ...	-30.40	-.5084	-58.40	-.9766
Average...	-26.68	-.4451	-54.68	-.9142

Internal pressure (I4) is: -27.96 Pa.
Internal pressure (I3) is: -28.03 Pa.
Internal pressure (I2) is: -27.92 Pa.
Internal pressure (I1) is: -28.03 Pa.
Average internal pressure is: -28.00 Pa.

Temperature inside is: 23.06 Degree C.
Temperature outside is: 23.12 Degree C.

Wind velocity of wind tunnel is: 10.02 m/s.

Mechanical ventilation flow rate is: 0.00 cfm.

Wind angle is: 20 Degree.

Type of flow is: UNIFORM

Location of opening: ALL OPEN / 10 SECONDS

PRESSURE AND PRESSURE COEFFICIENT FOR TEST4

NOTE:

dP = PRESSURE DIFFERENCE ACROSS THE WALL.
dPw = EXTERNAL PRESSURE WRT REFERENCE PRESSURE.
Cp = PRESSURE COEFFICIENT BASED ON dP.
Cpw = PRESSURE COEFFICIENT BASED ON dPw.

	dP (Pa)	Cp	dPw (Pa)	Cpw
At N31 ...	68.42	1.1440	47.74	.7982
At N32 ...	59.30	.9916	38.62	.6458
At N33 ...	40.41	.6757	19.73	.3299
At N21 ...	71.97	1.2034	51.29	.8576
At N22 ...	64.25	1.0744	43.57	.7286
At N23 ...	46.27	.7737	25.59	.4279
At N11 ...	70.20	1.1738	49.52	.8280
At N12 ...	59.38	1.0013	39.20	.6555
At N13 ...	44.75	.7432	24.07	.4025
Average...	58.38	.9762	37.70	.6304
At E31 ...	7.89	.1319	-12.79	-.2139
At E32 ...	18.86	.3154	-1.82	-.0304
At E33 ...	13.49	.2255	-7.19	-.1202
At E21 ...	13.37	.2235	-7.31	-.1222
At E22 ...	22.68	.3792	2.00	.0334
At E23 ...	36.48	.6099	15.80	.2641
At E11 ...	18.28	.3057	-2.40	-.0401
At E12 ...	30.85	.5159	10.17	.1701
At E13 ...	38.14	.6377	17.46	.2920
Average...	22.23	.3717	1.55	.0259
At S31 ...	-34.30	-.5735	-54.97	-.9193
At S32 ...	-31.14	-.5207	-51.82	-.8665
At S33 ...	-30.23	-.5055	-50.91	-.8513
At S21 ...	-31.53	-.5273	-52.21	-.8731
At S22 ...	-30.00	-.5016	-50.68	-.8474
At S23 ...	-29.05	-.4856	-49.73	-.8315
At S11 ...	-21.60	-.3611	-42.28	-.7069
At S12 ...	-22.32	-.3732	-43.00	-.7190
At S13 ...	-20.56	-.3437	-41.24	-.6895
Average...	-27.86	-.4658	-48.54	-.8116
At W31 ...	-36.53	-.6108	-57.21	-.9565
At W32 ...	-38.24	-.6395	-58.92	-.9853
At W33 ...	-40.14	-.6712	-60.82	-1.0170
At W21 ...	-32.64	-.5457	-53.32	-.8915
At W22 ...	-34.95	-.5844	-55.63	-.9302
At W23 ...	-40.56	-.6781	-61.23	-1.0239
At W11 ...	-26.25	-.4390	-46.93	-.7848
At W12 ...	-28.87	-.4827	-49.55	-.8235
At W13 ...	-33.53	-.5606	-54.21	-.9064
Average...	-34.63	-.5791	-55.31	-.9249

Internal pressure (I4) is: -20.64 Pa.
Internal pressure (I3) is: -20.59 Pa.
Internal pressure (I2) is: -20.70 Pa.
Internal pressure (I1) is: -20.79 Pa.
Average internal pressure is: -20.68 Pa.

Temperature inside is: 23.16 Degree C.
Temperature outside is: 23.16 Degree C.

Wind velocity of wind tunnel is: 10.02 m/s.

Mechanical ventilation flow rate is: 0.00 cfm.

Wind angle is: 30 Degrees.

Type of flow is: UNIFORM

Location of opening: ALL OPEN / 10 SECONDS

PRESSURE AND PRESSURE COEFFICIENT FOR TESTS

NOTE:

dP = PRESSURE DIFFERENCE ACROSS THE WALL.
dPw = EXTERNAL PRESSURE WRT REFERENCE PRESSURE.
Cp = PRESSURE COEFFICIENT BASED ON dP.
Cpw = PRESSURE COEFFICIENT BASED ON dPw.

	dP (Pa)	Cp	dPw (Pa)	Cpw
At N31 ...	58.09	.9728	39.49	.6612
At N32 ...	45.79	.7668	27.18	.4552
At N33 ...	25.28	.4234	6.68	.1118
At N21 ...	60.75	1.0174	42.15	.7058
At N22 ...	50.77	.8503	32.17	.5387
At N23 ...	32.37	.5420	13.76	.2304
At N11 ...	57.00	.9545	38.39	.6429
At N12 ...	47.64	.7979	29.04	.4865
At N13 ...	32.71	.5478	14.11	.2362
Average...	45.60	.7637	26.99	.4521
At E31 ...	16.40	.2746	-2.21	-.0370
At E32 ...	28.09	.4705	9.49	.1589
At E33 ...	39.32	.6585	20.72	.3469
At E21 ...	23.99	.4018	5.38	.0902
At E22 ...	35.79	.5995	17.18	.2877
At E23 ...	49.16	.8232	30.55	.5116
At E11 ...	29.48	.4937	10.88	.1821
At E12 ...	44.64	.7476	26.04	.4360
At E13 ...	54.70	.9161	36.10	.6045
Average...	35.73	.5984	17.12	.2868
At S31 ...	-40.30	-.6750	-58.91	-.9866
At S32 ...	-36.51	-.6115	-55.12	-.9231
At S33 ...	-34.19	-.5726	-52.80	-.8842
At S21 ...	-38.26	-.6408	-56.87	-.9524
At S22 ...	-35.79	-.5994	-54.40	-.9110
At S23 ...	-33.81	-.5662	-52.42	-.8778
At S11 ...	-27.98	-.4586	-46.59	-.7302
At S12 ...	-28.74	-.4812	-47.34	-.7928
At S13 ...	-25.57	-.4282	-44.17	-.7398
Average...	-33.46	-.5604	-52.07	-.8720
At W31 ...	-38.58	-.6461	-57.19	-.9577
At W32 ...	-40.89	-.6848	-59.50	-.9964
At W33 ...	-43.49	-.7283	-62.09	-1.0399
At W21 ...	-35.64	-.5969	-54.25	-.9085
At W22 ...	-38.04	-.6370	-56.64	-.9496
At W23 ...	-42.66	-.7145	-61.27	-1.0261
At W11 ...	-26.91	-.4507	-45.52	-.7623
At W12 ...	-30.91	-.5177	-49.52	-.8293
At W13 ...	-32.94	-.5516	-51.54	-.8632
Average...	-36.67	-.6142	-55.28	-.9258

Internal pressure (I4) is: -18.68 Pa.
Internal pressure (I3) is: -18.54 Pa.
Internal pressure (I2) is: -18.79 Pa.
Internal pressure (I1) is: -18.41 Pa.
Average internal pressure is: -18.61 Pa.

Temperature inside is: 23.21 Degree C.
Temperature outside is: 23.20 Degree C.

Wind velocity of wind tunnel is: 10.01 m/s.

Mechanical ventilation flow rate is: 0.00 cfm.

Wind angle is: 40 Degree.

Type of flow is: UNIFORM

Location of opening: ALL OPEN / 10 SECONDS

PRESSURE AND PRESSURE COEFFICIENT FOR TEST6

NOTE:

dP = PRESSURE DIFFERENCE ACROSS THE WALL.
dPw = EXTERNAL PRESSURE WRT REFERENCE PRESSURE.
Cp = PRESSURE COEFFICIENT BASED ON dP.
Cpw = PRESSURE COEFFICIENT BASED ON dPw.

	dP (Pa)	Cp	dPw (Pa)	Cpw
At N31 ...	41.43	.6953	23.00	.3860
At N32 ...	32.83	.5509	14.40	.2416
At N33 ...	12.40	.2081	-6.03	-.1012
At N21 ...	45.42	.7622	26.99	.4529
At N22 ...	37.84	.6350	19.41	.3257
At N23 ...	19.13	.3211	.70	.0118
At N11 ...	42.89	.7197	24.46	.4104
At N12 ...	34.94	.5847	16.41	.2754
At N13 ...	22.23	.3730	3.80	.0637
Average...	32.11	.5389	13.68	.2296
At E31 ...	26.55	.4455	8.12	.1362
At E32 ...	40.97	.6875	22.54	.3732
At E33 ...	54.84	.9202	36.41	.6109
At E21 ...	36.07	.6053	17.64	.2960
At E22 ...	50.13	.8413	31.70	.5320
At E23 ...	63.72	1.0693	45.29	.7600
At E11 ...	42.15	.7073	23.72	.3980
At E12 ...	57.57	.9661	39.14	.6568
At E13 ...	69.03	1.1584	50.60	.8491
Average...	49.00	.8223	30.57	.5130
At S31 ...	-42.11	-.7067	-60.54	-1.0160
At S32 ...	-39.31	-.6596	-57.74	-.9639
At S33 ...	-37.23	-.6249	-55.66	-.9341
At S21 ...	-41.95	-.7040	-60.38	-1.0133
At S22 ...	-38.16	-.6407	-56.61	-.9500
At S23 ...	-35.58	-.5971	-54.01	-.9064
At S11 ...	-32.20	-.5403	-50.63	-.8496
At S12 ...	-30.17	-.5064	-48.61	-.8157
At S13 ...	-27.43	-.4603	-45.96	-.7696
Average...	-36.02	-.6044	-54.45	-.9137
At W31 ...	-35.38	-.5937	-53.81	-.9030
At W32 ...	-38.25	-.6419	-56.63	-.9512
At W33 ...	-41.50	-.6965	-59.93	-1.0057
At W21 ...	-34.35	-.5848	-53.29	-.8941
At W22 ...	-36.93	-.6197	-55.36	-.9290
At W23 ...	-38.42	-.6447	-56.85	-.9540
At W11 ...	-25.47	-.4274	-43.90	-.7367
At W12 ...	-28.85	-.4842	-47.28	-.7935
At W13 ...	-29.48	-.4947	-47.91	-.8039
Average...	-34.35	-.5764	-52.78	-.8957

Internal pressure (I4) is: -18.25 Pa.
Internal pressure (I3) is: -18.59 Pa.
Internal pressure (I2) is: -18.27 Pa.
Internal pressure (I1) is: -18.61 Pa.
Average internal pressure is: -18.43 Pa.

Temperature inside is: 23.25 Degree C.
Temperature outside is: 23.24 Degree C.

Wind velocity of wind tunnel is: 10.00 m/s.

Mechanical ventilation flow rate is: 0.00 cfh.

Wind angle is: 50 Degree.

Type of flow is: UNIFORM

Location of opening: ALL OPEN / 10 SECONDS

 PRESSURE AND PRESSURE COEFFICIENT FOR TEST7

NOTE:

dP = PRESSURE DIFFERENCE ACROSS THE WALL.
 dPw = EXTERNAL PRESSURE WRT REFERENCE PRESSURE.
 Cp = PRESSURE COEFFICIENT BASED ON dP.
 Cpw = PRESSURE COEFFICIENT BASED ON dPw.

	dP (Pa)	Cp	dPw (Pa)	Cpw
-----	-----	---	-----	---
At N31 ...	28.47	.4717	6.83	.1132
At N32 ...	20.13	.3336	-1.50	-.0248
At N33 ...	.70	.0116	-20.93	-.5469
At N21 ...	29.22	.4842	7.59	.1257
At N22 ...	26.21	.4343	4.58	.0758
At N23 ...	7.72	.1279	-13.91	-.2306
At N11 ...	9.03	.1496	-12.61	-.2089
At N12 ...	25.90	.4291	4.27	.0707
At N13 ...	13.57	.2248	-8.07	-.1337
Average...	17.88	.2963	-3.75	-.0621
At E31 ...	45.39	.7522	23.76	.3937
At E32 ...	59.67	.9889	38.04	.6304
At E33 ...	71.73	1.1887	50.10	.8302
At E21 ...	53.88	.8928	32.24	.5343
At E22 ...	68.35	1.1326	46.72	.7742
At E23 ...	79.73	1.3211	58.10	.9627
At E11 ...	58.56	.9704	36.93	.6120
At E12 ...	73.56	1.2189	51.92	.8604
At E13 ...	31.75	1.3547	60.12	.9962
Average...	65.85	1.0911	44.21	.7327
At S31 ...	-40.93	-.6733	-62.56	-1.0368
At S32 ...	-38.39	-.6361	-60.02	-.9946
At S33 ...	-37.51	-.6216	-59.14	-.9800
At S21 ...	-40.19	-.6660	-61.82	-1.0244
At S22 ...	-35.80	-.5933	-57.43	-.9517
At S23 ...	-34.05	-.5643	-55.63	-.9227
At S11 ...	-32.62	-.5406	-54.25	-.8990
At S12 ...	-29.59	-.4904	-51.22	-.8488
At S13 ...	-26.02	-.4313	-47.66	-.7897
Average...	-35.01	-.5802	-56.64	-.9386
At W31 ...	-32.07	-.5315	-53.71	-.8900
At W32 ...	-34.09	-.5649	-55.72	-.9234
At W33 ...	-38.29	-.6344	-59.92	-.9929
At W21 ...	-31.05	-.5145	-52.68	-.8729
At W22 ...	-32.29	-.5351	-53.92	-.8935
At W23 ...	-34.35	-.5692	-55.96	-.9277
At W11 ...	-22.35	-.3704	-43.98	-.7238
At W12 ...	-23.74	-.3935	-45.38	-.7519
At W13 ...	-23.31	-.3862	-44.94	-.7447
Average...	-30.17	-.5000	-51.80	-.8584

Internal pressure (I4) is: -21.82 Pa.
 Internal pressure (I3) is: -21.67 Pa.
 Internal pressure (I2) is: -21.62 Pa.
 Internal pressure (I1) is: -21.42 Pa.
 Average internal pressure is: -21.63 Pa.

Temperature inside is: 22.45 Degree C.
 Temperature outside is: 23.40 Degree C.

Wind velocity of wind tunnel is: 10.05 m/s.

Mechanical ventilation flow rate is: 0.00 cfm.

Wind angle is: 60 Degree.

Type of flow is: UNIFORM

Location of opening: ALL OPEN / 10 SECONDS

PRESSURE AND PRESSURE COEFFICIENT FOR TESTS

NOTE:

dP = PRESSURE DIFFERENCE ACROSS THE WALL.
dPw = EXTERNAL PRESSURE WRT REFERENCE PRESSURE.
Cp = PRESSURE COEFFICIENT BASED ON dP.
Cpw = PRESSURE COEFFICIENT BASED ON dPw.

	dP (Pa)	Cp	dPw (Pa)	Cpw
At N31 ...	-34.03	-.5670	-60.47	-1.0076
At N32 ...	15.24	.2539	-11.20	-.1867
At N33 ...	2.05	.0342	-24.39	-.4065
At N21 ...	-30.01	-.5001	-56.45	-.9407
At N22 ...	-5.61	-.0935	-32.05	-.5341
At N23 ...	8.83	.1471	-17.61	-.2935
At N11 ...	-26.73	-.4455	-53.17	-.8361
At N12 ...	-18.32	-.3052	-44.76	-.7459
At N13 ...	9.86	.1643	-16.58	-.2763
Average...	-6.75	-.1458	-35.19	-.5864
At E31 ...	57.17	.9527	30.73	.5121
At E32 ...	68.07	1.1343	41.63	.6937
At E33 ...	73.37	1.2226	46.93	.7820
At E21 ...	64.79	1.0798	38.35	.6391
At E22 ...	75.32	1.2551	49.88	.8145
At E23 ...	79.56	1.3259	53.12	.8853
At E11 ...	69.28	1.1545	42.84	.7139
At E12 ...	78.55	1.3069	52.11	.8683
At E13 ...	80.87	1.3476	54.43	.9070
Average...	71.89	1.1960	45.45	.7573
At S31 ...	-26.29	-.4381	-52.73	-.8787
At S32 ...	-25.04	-.4173	-51.48	-.8579
At S33 ...	-23.89	-.3980	-50.33	-.8387
At S21 ...	-26.49	-.4414	-52.93	-.8820
At S22 ...	-22.68	-.3780	-49.12	-.8186
At S23 ...	-19.05	-.3174	-45.49	-.7530
At S11 ...	-21.09	-.3515	-47.53	-.7921
At S12 ...	-17.87	-.2978	-44.32	-.7385
At S13 ...	-14.61	-.2435	-41.05	-.6841
Average...	-21.89	-.3643	-48.33	-.8054
At W31 ...	-17.45	-.2908	-43.99	-.7314
At W32 ...	-19.97	-.3328	-46.41	-.7734
At W33 ...	-23.03	-.3837	-49.47	-.8243
At W21 ...	-16.46	-.2743	-42.90	-.7149
At W22 ...	-17.24	-.2873	-43.68	-.7280
At W23 ...	-18.18	-.3029	-44.62	-.7436
At W11 ...	-8.99	-.1499	-35.44	-.5905
At W12 ...	-9.83	-.1638	-36.27	-.6044
At W13 ...	-9.04	-.1506	-35.48	-.5912
Average...	-15.58	-.2596	-42.02	-.7002

Internal pressure (I4) is: -26.53 Pa.
Internal pressure (I3) is: -26.24 Pa.
Internal pressure (I2) is: -26.57 Pa.
Internal pressure (I1) is: -26.43 Pa.
Average internal pressure is: -26.44 Pa.

Temperature inside is: 22.75 Degree C.
Temperature outside is: 23.42 Degree C.

Wind velocity of wind tunnel is: 10.03 m/s.

Mechanical ventilation flow rate is: 0.00 cfm.

Wind angle is: 70 Degree.

Type of flow is: UNIFORM

Location of opening: ALL OPEN / 10 SECONDS

PRESSURE AND PRESSURE COEFFICIENT FOR TEST9

NOTE:

dP = PRESSURE DIFFERENCE ACROSS THE WALL.
dPw = EXTERNAL PRESSURE WRT REFERENCE PRESSURE.
Cp = PRESSURE COEFFICIENT BASED ON dP.
Cpw = PRESSURE COEFFICIENT BASED ON dPw.

	dP (Pa)	Cp	dPw (Pa)	Cpw
-----	-----	---	-----	---
At N31 ...	-57.16	-.9486	-95.19	-1.5799
At N32 ...	-39.56	-.6566	-77.60	-1.2879
At N33 ...	-11.97	-.1966	-50.00	-.8299
At N21 ...	-44.43	-.7382	-62.51	-1.3694
At N22 ...	-47.33	-.7854	-85.36	-1.4157
At N23 ...	-32.83	-.5449	-70.87	-1.1762
At N11 ...	-45.27	-.7513	-83.30	-1.3826
At N12 ...	-49.62	-.8235	-87.66	-1.4548
At N13 ...	-28.66	-.4757	-66.70	-1.1070
Average...	-39.65	-.6581	-77.69	-1.2893
At E31 ...	81.79	1.3573	43.75	.7261
At E32 ...	88.85	1.4746	50.91	.8433
At E33 ...	88.47	1.4683	50.44	.8371
At E21 ...	91.07	1.5114	53.03	.8801
At E22 ...	98.35	1.6322	60.31	1.0010
At E23 ...	93.63	1.5540	55.60	.9227
At E11 ...	93.60	1.5534	55.56	.9222
At E12 ...	98.98	1.6427	60.95	1.0115
At E13 ...	92.69	1.5394	54.66	.9071
Average...	91.94	1.5258	53.90	.8946
At S31 ...	-18.30	-.3036	-56.33	-.9349
At S32 ...	-17.55	-.2912	-55.58	-.9225
At S33 ...	-15.77	-.2618	-53.81	-.8930
At S21 ...	-17.80	-.2954	-55.83	-.9266
At S22 ...	-13.90	-.2307	-51.94	-.8620
At S23 ...	-11.98	-.1968	-50.01	-.8300
At S11 ...	-16.13	-.2677	-54.17	-.8990
At S12 ...	-13.90	-.2307	-51.93	-.8619
At S13 ...	-10.40	-.1727	-48.44	-.8039
Average...	-15.08	-.2503	-53.12	-.8815
At W31 ...	-11.79	-.1956	-49.82	-.8269
At W32 ...	-12.68	-.2105	-50.72	-.8417
At W33 ...	-13.66	-.2268	-51.70	-.8580
At W21 ...	-7.01	-.1164	-45.05	-.7477
At W22 ...	-7.02	-.1165	-45.06	-.7478
At W23 ...	-6.78	-.1125	-44.61	-.7437
At W11 ...	-.27	-.0045	-38.31	-.6358
At W12 ...	1.19	.0198	-36.84	-.6115
At W13 ...	1.50	.0249	-36.53	-.6063
Average...	-6.23	-.1042	-44.32	-.7355

Internal pressure (I4) is: -37.91 Pa.
Internal pressure (I3) is: -38.19 Pa.
Internal pressure (I2) is: -38.13 Pa.
Internal pressure (I1) is: -37.92 Pa.
Average internal pressure is: -38.04 Pa.

Temperature inside is: 22.55 Degree C.
Temperature outside is: 22.83 Degree C.

Wind velocity of wind tunnel is: 10.04 m/s.

Mechanical ventilation flow rate is: 0.00 cfm.

Wind angle is: 30 Degree.

Type of flow is: UNIFORM

Location of opening: ALL OPEN / 10 SECONDS

PRESSURE AND PRESSURE COEFFICIENT FOR TEST10

NOTE:

dP = PRESSURE DIFFERENCE ACROSS THE WALL.
dPw = EXTERNAL PRESSURE WRT REFERENCE PRESSURE.
Cp = PRESSURE COEFFICIENT BASED ON dP.
Cpw = PRESSURE COEFFICIENT BASED ON dPw.

	dP (Pa)	Cp	dPw (Pa)	Cpw
At N31 ...	-27.24	-.4522	-66.60	-1.1387
At N32 ...	-28.58	-.4745	-69.94	-1.1610
At N33 ...	-27.19	-.4514	-68.55	-1.1379
At N21 ...	-24.41	-.4053	-65.77	-1.0918
At N22 ...	-29.86	-.4957	-71.21	-1.1922
At N23 ...	-29.71	-.4932	-71.07	-1.1797
At N11 ...	-29.21	-.4849	-70.56	-1.1714
At N12 ...	-36.64	-.6083	-78.00	-1.2948
At N13 ...	-26.70	-.4433	-68.06	-1.1293
Average...	-28.84	-.4787	-70.20	-1.1653
At E31 ...	87.71	1.4560	46.35	.7694
At E32 ...	91.88	1.5252	50.52	.8387
At E33 ...	89.44	1.4847	48.08	.7982
At E21 ...	96.33	1.5999	55.02	.9134
At E22 ...	100.26	1.6644	58.91	.9779
At E23 ...	89.79	1.4906	48.44	.8041
At E11 ...	98.77	1.6396	57.41	.9530
At E12 ...	100.74	1.6723	59.38	.9858
At E13 ...	87.86	1.4584	46.50	.7719
Average...	93.65	1.5546	52.29	.8630
At S31 ...	-20.87	-.3464	-62.22	-1.0329
At S32 ...	-23.08	-.3831	-64.43	-1.0696
At S33 ...	-22.24	-.3692	-63.60	-1.0557
At S21 ...	-25.43	-.4221	-66.73	-1.1086
At S22 ...	-22.74	-.3774	-64.39	-1.0639
At S23 ...	-20.15	-.3344	-61.50	-1.0210
At S11 ...	-25.23	-.4187	-66.58	-1.1053
At S12 ...	-33.00	-.5478	-74.36	-1.2343
At S13 ...	-30.83	-.5126	-72.23	-1.1991
Average...	-24.84	-.4124	-66.20	-1.0989
At W31 ...	-11.04	-.1833	-52.40	-.8638
At W32 ...	-11.63	-.1931	-52.39	-.8796
At W33 ...	-12.74	-.2114	-54.09	-.8979
At W21 ...	-6.18	-.0860	-46.54	-.7725
At W22 ...	-4.79	-.0795	-46.14	-.7660
At W23 ...	-6.70	-.1113	-48.06	-.7978
At W11 ...	-.39	-.0064	-41.74	-.6929
At W12 ...	1.33	.0221	-40.02	-.6644
At W13 ...	-.43	-.0071	-41.79	-.6937
Average...	-5.73	-.0951	-47.09	-.7916

Internal pressure (I4) is: -40.43 Pa.
Internal pressure (I3) is: -41.43 Pa.
Internal pressure (I2) is: -41.71 Pa.
Internal pressure (I1) is: -41.85 Pa.
Average internal pressure is: -41.36 Pa.

Temperature inside is: 22.83 Degree C.
Temperature outside is: 23.09 Degree C.

Wind velocity of wind tunnel is: 10.05 m/s.

Mechanical ventilation flow rate is: 0.00 cfm.

Wind angle is: 90 Degree.

Type of flow is: UNIFORM

Location of opening: ALL OPEN / 10 SECONDS

PRESSURE AND PRESSURE COEFFICIENT FOR TEST 11

NOTE:

dP = PRESSURE DIFFERENCE ACROSS THE WALL.
dPw = EXTERNAL PRESSURE WRT REFERENCE PRESSURE.
Cp = PRESSURE COEFFICIENT BASED ON dP.
Cpw = PRESSURE COEFFICIENT BASED ON dPw.

	dP (Pa)	Cp	dPw (Pa)	Cpw
At N31 ...	-39.33	-.6548	-58.93	-.9811
At N32 ...	-40.21	-.6395	-59.81	-.9959
At N33 ...	-42.59	-.7092	-62.20	-1.0356
At N21 ...	-35.19	-.5859	-54.79	-.9122
At N22 ...	-37.87	-.6305	-57.47	-.9568
At N23 ...	-42.43	-.7065	-62.03	-1.0329
At N11 ...	-28.06	-.4672	-47.69	-.7936
At N12 ...	-31.25	-.5204	-50.86	-.8467
At N13 ...	-34.92	-.5814	-54.52	-.9078
Average...	-36.87	-.6133	-56.47	-.9403
At E31 ...	67.32	1.1208	47.71	.7944
At E32 ...	56.76	.9451	37.16	.6138
At E33 ...	43.96	.7319	24.36	.4056
At E21 ...	72.84	1.2128	53.24	.8964
At E22 ...	60.05	.9999	40.45	.6736
At E23 ...	41.65	.6935	22.05	.3672
At E11 ...	67.77	1.1284	48.17	.8020
At E12 ...	55.99	.9322	36.39	.6059
At E13 ...	38.46	.6404	18.86	.3141
Average...	56.09	.9339	36.49	.6075
At S31 ...	6.80	.1132	-12.80	-.2132
At S32 ...	19.78	.3293	.18	.0029
At S33 ...	25.16	.4190	5.56	.0926
At S21 ...	10.14	.1688	-9.46	-.1575
At S22 ...	26.22	.4366	6.62	.1102
At S23 ...	34.20	.5694	14.60	.2430
At S11 ...	18.49	.3079	-1.11	-.0184
At S12 ...	26.09	.4344	6.49	.1080
At S13 ...	38.00	.6327	18.40	.3064
Average...	22.76	.3790	3.16	.0527
At W31 ...	-36.44	-.6068	-56.04	-.9331
At W32 ...	-33.40	-.5562	-53.01	-.8825
At W33 ...	-32.72	-.5448	-52.32	-.8711
At W21 ...	-35.04	-.5835	-54.64	-.9098
At W22 ...	-32.96	-.5487	-52.56	-.8751
At W23 ...	-31.28	-.5207	-50.88	-.8471
At W11 ...	-23.89	-.3977	-43.49	-.7241
At W12 ...	-24.32	-.4050	-43.93	-.7314
At W13 ...	-22.41	-.3732	-42.01	-.6995
Average...	-30.27	-.5041	-49.87	-.8304

Internal pressure (I4) is: -19.52 Pa.
Internal pressure (I3) is: -19.94 Pa.
Internal pressure (I2) is: -19.51 Pa.
Internal pressure (I1) is: -19.43 Pa.
Average internal pressure is: -19.60 Pa.

Temperature inside is: 23.03 Degree C.
Temperature outside is: 23.23 Degree C.

Wind velocity of wind tunnel is: 10.04 m/s.

Mechanical ventilation flow rate is: 0.00 cfm.

Wind angle is: 120 Degree.

Type of flow is: UNIFORM

Location of opening: ALL OPEN / 10 SECONDS

 PRESSURE AND PRESSURE COEFFICIENT FOR TEST12

NOTE:

dP = PRESSURE DIFFERENCE ACROSS THE WALL.
 dPw = EXTERNAL PRESSURE WRT REFERENCE PRESSURE.
 Cp = PRESSURE COEFFICIENT BASED ON dP.
 CpW = PRESSURE COEFFICIENT BASED ON dPw.

	dP (Pa)	Cp	dPw (Pa)	CpW
-----	-----	---	-----	----
At N31 ...	-30.87	-.5193	-51.42	-.8650
At N32 ...	-34.04	-.5726	-54.59	-.9183
At N33 ...	-36.36	-.6116	-56.91	-.9573
At N21 ...	-31.15	-.5240	-51.70	-.8697
At N22 ...	-32.37	-.5446	-52.92	-.8903
At N23 ...	-34.65	-.5829	-55.20	-.9286
At N11 ...	-22.27	-.3745	-42.82	-.7202
At N12 ...	-23.51	-.3955	-44.06	-.7412
At N13 ...	-23.48	-.3949	-44.03	-.7406
Average...	-29.85	-.5022	-50.40	-.8479
At E31 ...	31.74	.5339	11.19	.1882
At E32 ...	17.58	.2958	-2.97	-.0499
At E33 ...	8.74	.1471	-11.81	-.1986
At E21 ...	33.54	.5642	12.99	.2185
At E22 ...	22.23	.3740	1.68	.0283
At E23 ...	5.59	.0940	-14.96	-.2517
At E11 ...	12.02	.2023	-8.53	-.1434
At E12 ...	24.64	.4145	4.09	.0688
At E13 ...	8.40	.1414	-12.15	-.2043
Average...	18.28	.3075	-2.27	-.0382
At S31 ...	41.69	.7013	21.14	.3556
At S32 ...	57.78	.9720	37.23	.6263
At S33 ...	67.01	1.1272	46.46	.7915
At S21 ...	49.30	.8294	28.75	.4837
At S22 ...	65.54	1.1025	44.99	.7568
At S23 ...	76.15	1.2310	55.60	.9353
At S11 ...	56.66	.9531	36.11	.6074
At S12 ...	70.76	1.1903	50.21	.8446
At S13 ...	80.10	1.3474	59.55	1.0017
Average...	62.77	1.0560	42.22	.7103
At W31 ...	-40.91	-.6883	-61.46	-1.0340
At W32 ...	-38.64	-.6501	-59.19	-.9958
At W33 ...	-37.64	-.6331	-58.19	-.9788
At W21 ...	-40.50	-.6813	-61.05	-1.0270
At W22 ...	-36.49	-.6138	-57.04	-.9595
At W23 ...	-33.25	-.5594	-53.80	-.9051
At W11 ...	-33.67	-.5664	-54.22	-.9121
At W12 ...	-29.65	-.4987	-50.20	-.8444
At W13 ...	-26.14	-.4397	-46.69	-.7854
Average...	-35.21	-.5923	-55.76	-.9380

Internal pressure (I4) is: -20.61 Pa.
 Internal pressure (I3) is: -20.49 Pa.
 Internal pressure (I2) is: -20.89 Pa.
 Internal pressure (I1) is: -20.20 Pa.
 Average internal pressure is: -20.55 Pa.

Temperature inside is: 22.66 Degree C.
 Temperature outside is: 22.82 Degree C.

Wind velocity of wind tunnel is: 9.98 m/s.

Mechanical ventilation flow rate is: 0.00 cfh.

Wind angle is: 150 Degree.

Type of flow is: UNIFORM

Location of opening: ALL OPEN / 10. SECONDS

PRESSURE AND PRESSURE COEFFICIENT FOR TEST13

NOTE:

dP = PRESSURE DIFFERENCE ACROSS THE WALL.
dPw = EXTERNAL PRESSURE WRT REFERENCE PRESSURE.
Cp = PRESSURE COEFFICIENT BASED ON dP.
Cpw = PRESSURE COEFFICIENT BASED ON dPw.

	dP (Pa)	Cp	dPw (Pa)	Cpw
At N31 ...	-13.12	-.2173	-53.01	-.8782
At N32 ...	-12.57	-.2082	-52.47	-.8692
At N33 ...	-14.18	-.2349	-54.08	-.8959
At N21 ...	-6.27	-.1038	-46.16	-.7648
At N22 ...	-2.65	-.0438	-42.54	-.7048
At N23 ...	-8.90	-.1474	-48.79	-.8084
At N11 ...	-.18	-.0029	-40.07	-.6639
At N12 ...	.24	.0040	-39.66	-.6570
At N13 ...	-.45	-.0075	-40.35	-.6684
Average...	-6.45	-.1069	-46.35	-.7678
At E31 ...	-22.14	-.3668	-62.03	-1.0277
At E32 ...	-25.54	-.4231	-65.44	-1.0841
At E33 ...	-22.56	-.3737	-62.46	-1.0347
At E21 ...	-20.60	-.3413	-60.49	-1.0022
At E22 ...	-25.69	-.4256	-65.59	-1.0865
At E23 ...	-26.34	-.4364	-66.24	-1.0974
At E11 ...	-27.26	-.4517	-67.16	-1.1126
At E12 ...	-25.79	-.4271	-65.68	-1.0980
At E13 ...	-25.51	-.4226	-65.40	-1.0835
Average...	-24.60	-.4076	-64.50	-1.0685
At S31 ...	87.65	1.4521	47.75	.7911
At S32 ...	91.01	1.5078	51.12	.8468
At S33 ...	88.47	1.4657	48.58	.8048
At S21 ...	92.46	1.5317	52.56	.8708
At S22 ...	37.63	1.6174	57.73	.9565
At S23 ...	91.16	1.5102	51.26	.8493
At S11 ...	96.01	1.5905	56.11	.9296
At S12 ...	96.65	1.6012	56.75	.9402
At S13 ...	86.69	1.4362	46.80	.7753
Average...	91.97	1.5236	52.07	.8627
At W31 ...	-21.66	-.3589	-61.56	-1.0198
At W32 ...	-24.68	-.4089	-64.58	-1.0698
At W33 ...	-21.60	-.3579	-61.50	-1.0188
At W21 ...	-26.77	-.4435	-66.67	-1.1044
At W22 ...	-27.47	-.4550	-67.36	-1.1160
At W23 ...	-22.04	-.3651	-61.93	-1.0260
At W11 ...	-28.84	-.4777	-68.73	-1.1387
At W12 ...	-34.11	-.5650	-74.00	-1.2260
At W13 ...	-32.95	-.5453	-72.85	-1.2068
Average...	-26.63	-.4420	-66.58	-1.1029

Internal pressure (I4) is: -40.08 Pa.
Internal pressure (I3) is: -40.23 Pa.
Internal pressure (I2) is: -38.87 Pa.
Internal pressure (I1) is: -40.40 Pa.
Average internal pressure is: -39.90 Pa.

Temperature inside is: 22.64 Degree C.
Temperature outside is: 22.79 Degree C.

Wind velocity of wind tunnel is: 10.06 m/s.

Mechanical ventilation flow rate is: 0.00 cfh.

Wind angle is: 180 Degree.

Type of flow is: UNIFORM

Location of opening: ALL OPEN / 10 SECONDS

PRESSURE AND PRESSURE COEFFICIENT FOR TEST14

NOTE:

dP = PRESSURE DIFFERENCE ACROSS THE WALL.
dPw = EXTERNAL PRESSURE WRT REFERENCE PRESSURE.
Cp = PRESSURE COEFFICIENT BASED ON dP.
Cpw = PRESSURE COEFFICIENT BASED ON dPw.

	dP (Pa)	Cp	dPw (Pa)	Cpw
At N31 ...	-35.44	-.5911	-54.87	-.9152
At N32 ...	-31.49	-.5253	-50.93	-.8494
At N33 ...	-30.37	-.5065	-49.80	-.8306
At N21 ...	-33.33	-.5559	-52.77	-.8801
At N22 ...	-30.94	-.5160	-50.37	-.8402
At N23 ...	-29.39	-.4902	-48.63	-.8144
At N11 ...	-22.31	-.3722	-41.75	-.6964
At N12 ...	-21.61	-.3605	-41.05	-.6847
At N13 ...	-21.17	-.3531	-40.60	-.6772
Average...	-28.45	-.4745	-47.89	-.7987
At E31 ...	-36.38	-.6063	-55.82	-.9310
At E32 ...	-37.89	-.6320	-57.33	-.9562
At E33 ...	-40.67	-.6784	-60.11	-1.0026
At E21 ...	-32.69	-.5452	-52.12	-.8693
At E22 ...	-35.76	-.5964	-55.19	-.9206
At E23 ...	-40.47	-.6749	-59.90	-.9991
At E11 ...	-27.87	-.4649	-47.31	-.7890
At E12 ...	-29.75	-.4962	-49.19	-.8204
At E13 ...	-35.03	-.5842	-54.47	-.9084
Average...	-35.17	-.5865	-54.60	-.9107
At S31 ...	68.99	1.1508	49.56	.8266
At S32 ...	59.69	.9956	40.26	.6714
At S33 ...	42.91	.7156	23.47	.3915
At S21 ...	73.22	1.2212	53.78	.8970
At S22 ...	62.67	1.0452	43.23	.7210
At S23 ...	45.34	.7563	25.91	.4521
At S11 ...	68.42	1.1412	48.98	.8170
At S12 ...	57.85	.9649	38.42	.6407
At S13 ...	40.45	.6746	21.01	.3504
Average...	57.73	.9628	38.29	.6386
At W31 ...	7.65	.1276	-11.78	-.1966
At W32 ...	19.30	.3220	-.13	-.0022
At W33 ...	10.12	.1689	-9.32	-.1554
At W21 ...	6.67	.1112	-12.77	-.2130
At W22 ...	22.90	.3820	3.47	.0578
At W23 ...	34.86	.5814	15.42	.2572
At W11 ...	13.91	.2320	-5.53	-.0922
At W12 ...	28.71	.4789	9.27	.1547
At W13 ...	39.45	.6579	20.01	.3337
Average...	20.40	.3402	.96	.0160

Internal pressure (I4) is: -19.75 Pa.
Internal pressure (I3) is: -19.45 Pa.
Internal pressure (I2) is: -19.08 Pa.
Internal pressure (I1) is: -19.47 Pa.
Average internal pressure is: -19.44 Pa.

Temperature inside is: 22.61 Degree C.
Temperature outside is: 22.81 Degree C.

Wind velocity of wind tunnel is: 10.02 m/s.

Mechanical ventilation flow rate is: 0.00 cfm.

Wind angle is: 210 Degree.

Type of flow is: UNIFORM

Location of opening: ALL OPEN / 10 SECONDS

PRESSURE AND PRESSURE COEFFICIENT FOR TEST15

NOTE:

dP = PRESSURE DIFFERENCE ACROSS THE WALL.
dPw = EXTERNAL PRESSURE WRT REFERENCE PRESSURE.
Cp = PRESSURE COEFFICIENT BASED ON dP.
Cpw = PRESSURE COEFFICIENT BASED ON dPw.

	dP (Pa)	Cp	dPw (Pa)	Cpw
At N31 ...	-40.06	-.6690	-59.87	-1.0000
At N32 ...	-38.32	-.6400	-58.14	-.9710
At N33 ...	-37.12	-.6200	-56.94	-.9510
At N21 ...	-40.45	-.6756	-60.27	-1.0066
At N22 ...	-35.34	-.5902	-55.16	-.9212
At N23 ...	-32.98	-.5509	-52.80	-.8819
At N11 ...	-33.06	-.5521	-52.87	-.8831
At N12 ...	-29.79	-.4975	-49.61	-.8286
At N13 ...	-26.09	-.4357	-45.91	-.7667
Average...	-34.80	-.5812	-54.62	-.9122
At E31 ...	-31.15	-.5202	-50.97	-.8512
At E32 ...	-32.41	-.5413	-52.23	-.8723
At E33 ...	-37.03	-.6185	-56.95	-.9496
At E21 ...	-29.80	-.4977	-49.62	-.8287
At E22 ...	-31.59	-.5276	-51.41	-.8586
At E23 ...	-34.47	-.5757	-54.29	-.9067
At E11 ...	-21.68	-.3620	-41.49	-.6930
At E12 ...	-22.91	-.3827	-42.73	-.7137
At E13 ...	-23.48	-.3922	-43.30	-.7232
Average...	-29.39	-.4909	-49.21	-.8219
At S31 ...	29.78	.4973	9.96	.1663
At S32 ...	19.84	.3314	.02	.0004
At S33 ...	5.87	.0980	-13.95	-.2330
At S21 ...	27.04	.4517	7.23	.1207
At S22 ...	23.89	.3990	4.07	.0680
At S23 ...	7.24	.1209	-12.58	-.2101
At S11 ...	6.63	.1108	-13.19	-.2203
At S12 ...	21.71	.3626	1.89	.0316
At S13 ...	7.07	.1181	-12.75	-.2130
Average...	16.56	.2766	-3.26	-.0544
At W31 ...	42.93	.7170	23.11	.3860
At W32 ...	56.51	.9439	36.69	.6129
At W33 ...	67.02	1.1193	47.20	.7883
At W21 ...	47.50	.7933	27.68	.4623
At W22 ...	65.69	1.0971	45.87	.7661
At W23 ...	74.79	1.2492	54.98	.9132
At W11 ...	54.25	.9061	34.43	.5750
At W12 ...	69.55	1.1617	49.73	.8306
At W13 ...	77.95	1.3020	58.13	.9710
Average...	61.80	1.0322	41.93	.7012

Internal pressure (I4) is: -19.68 Pa.
Internal pressure (I3) is: -19.74 Pa.
Internal pressure (I2) is: -20.22 Pa.
Internal pressure (I1) is: -19.64 Pa.
Average internal pressure is: -19.82 Pa.

Temperature inside is: 22.71 Degree C.
Temperature outside is: 22.94 Degree C.

Wind velocity of wind funnel is: 10.02 m/s.

Mechanical ventilation flow rate is: 0.00 cfh.

Wind angle is: 240 Degree.

Type of flow is: UNIFORM

Location of opening: ALL OPEN / 10 SECONDS

PRESSURE AND PRESSURE COEFFICIENT FOR TEST16

NOTE:

dP = PRESSURE DIFFERENCE ACROSS THE WALL.
dPw = EXTERNAL PRESSURE WRT REFERENCE PRESSURE.
Cp = PRESSURE COEFFICIENT BASED ON dP.
Cpw = PRESSURE COEFFICIENT BASED ON dPw.

	dP (Pa)	Cp	dPw (Pa)	Cpw
At N31 ...	-24.65	-.4136	-64.77	-1.0865
At N32 ...	-22.99	-.3856	-63.10	-1.0595
At N33 ...	-23.14	-.3882	-63.25	-1.0611
At N21 ...	-29.79	-.4997	-69.91	-1.1727
At N22 ...	-27.50	-.4613	-67.61	-1.1342
At N23 ...	-24.14	-.4049	-64.25	-1.0778
At N11 ...	-29.85	-.5008	-69.97	-1.1737
At N12 ...	-36.68	-.6153	-76.79	-1.2882
At N13 ...	-35.61	-.5974	-75.73	-1.2703
Average...	-28.26	-.4741	-68.38	-1.1470
At E31 ...	-12.18	-.2044	-52.30	-.8773
At E32 ...	-13.18	-.2212	-53.30	-.8941
At E33 ...	-11.33	-.1984	-51.94	-.8714
At E21 ...	-5.07	-.0951	-45.19	-.7580
At E22 ...	-3.64	-.0611	-43.76	-.7340
At E23 ...	-7.66	-.1286	-47.78	-.8015
At E11 ...	-.10	-.0017	-40.21	-.6746
At E12 ...	1.24	.0209	-38.87	-.6521
At E13 ...	-.27	-.0045	-40.38	-.6774
Average...	-5.86	-.0982	-45.97	-.7711
At S31 ...	-21.87	-.3669	-61.99	-1.0398
At S32 ...	-24.35	-.4085	-64.46	-1.0814
At S33 ...	-25.45	-.4269	-65.56	-1.0998
At S21 ...	-21.35	-.3591	-61.46	-1.0310
At S22 ...	-25.31	-.4246	-65.43	-1.0975
At S23 ...	-25.54	-.4284	-65.65	-1.1013
At S11 ...	-23.57	-.3954	-63.69	-1.0683
At S12 ...	-29.08	-.4878	-69.19	-1.1607
At S13 ...	-25.12	-.4214	-65.24	-1.0944
Average...	-24.63	-.4131	-64.74	-1.0360
At W31 ...	87.21	1.4630	47.10	.7901
At W32 ...	91.93	1.5422	51.82	.8692
At W33 ...	87.81	1.4730	47.70	.8001
At W21 ...	92.83	1.5572	52.71	.8843
At W22 ...	98.84	1.6580	58.73	.9851
At W23 ...	91.25	1.5308	51.14	.8579
At W11 ...	96.18	1.6134	56.06	.9405
At W12 ...	98.29	1.6489	58.18	.9760
At W13 ...	88.20	1.4796	48.09	.8067
Average...	92.51	1.5518	52.39	.8789

Internal pressure (I4) is: -40.02 Pa.
Internal pressure (I3) is: -40.39 Pa.
Internal pressure (I2) is: -40.22 Pa.
Internal pressure (I1) is: -39.83 Pa.
Average internal pressure is: -40.11 Pa.

Temperature inside is: 22.67 Degree C.
Temperature outside is: 22.81 Degree C.

Wind velocity of wind tunnel is: 9.99 m/s.

Mechanical ventilation flow rate is: 0.00 cfh.

Wind angle is: 270 Degree.

Type of flow is: UNIFORM

Location of opening: ALL OPEN / 10 SECONDS

PRESSURE AND PRESSURE COEFFICIENT FOR TEST17

NOTE:

dP = PRESSURE DIFFERENCE ACROSS THE WALL.
dPw = EXTERNAL PRESSURE WRT REFERENCE PRESSURE.
Cp = PRESSURE COEFFICIENT BASED ON dP.
Cpw = PRESSURE COEFFICIENT BASED ON dPw.

	dP (Pa)	Cp	dPw (Pa)	Cpw
At N31 ...	.80	.0135	-19.21	-.3233
At N32 ...	19.16	.3225	-.85	-.0143
At N33 ...	19.20	.3231	-.82	-.0138
At N21 ...	6.36	.1070	-13.66	-.2299
At N22 ...	22.37	.3765	2.36	.0397
At N23 ...	34.35	.5781	14.34	.2412
At N11 ...	12.30	.2070	-7.72	-.1298
At N12 ...	27.78	.4675	7.76	.1306
At N13 ...	41.42	.6970	21.40	.3602
Average...	20.42	.3436	.40	.0067
At E31 ...	-35.40	-.5958	-55.42	-.9327
At E32 ...	-32.49	-.5467	-52.50	-.8836
At E33 ...	-29.98	-.5045	-50.00	-.8414
At E21 ...	-33.07	-.5565	-53.08	-.8934
At E22 ...	-31.95	-.5377	-51.97	-.8746
At E23 ...	-30.60	-.5150	-50.62	-.8518
At E11 ...	-22.74	-.3828	-42.76	-.7196
At E12 ...	-22.95	-.3862	-42.96	-.7230
At E13 ...	-21.84	-.3676	-41.86	-.7044
Average...	-29.00	-.4881	-49.02	-.8249
At S31 ...	-36.29	-.6108	-56.31	-.9476
At S32 ...	-37.75	-.6352	-57.76	-.9721
At S33 ...	-40.60	-.6833	-60.62	-1.0201
At S21 ...	-33.15	-.5580	-53.17	-.8948
At S22 ...	-35.87	-.6036	-55.83	-.9405
At S23 ...	-40.18	-.6762	-60.20	-1.0131
At S11 ...	-27.22	-.4580	-47.23	-.7949
At S12 ...	-30.37	-.5111	-50.39	-.8480
At S13 ...	-34.19	-.5753	-54.20	-.9122
Average...	-35.07	-.5902	-55.08	-.9270
At W31 ...	69.27	1.1657	49.25	.8288
At W32 ...	58.85	.9905	38.84	.6536
At W33 ...	42.26	.7112	22.24	.3744
At W21 ...	73.05	1.2295	53.04	.8926
At W22 ...	62.72	1.0555	42.70	.7186
At W23 ...	44.09	.7420	24.08	.4052
At W11 ...	65.95	1.1098	45.93	.7730
At W12 ...	53.78	.9051	33.76	.5682
At W13 ...	42.01	.7070	21.99	.3701
Average...	56.89	.9574	36.87	.6205

Internal pressure (I4) is: -20.21 Pa.
Internal pressure (I3) is: -20.01 Pa.
Internal pressure (I2) is: -19.90 Pa.
Internal pressure (I1) is: -19.95 Pa.
Average internal pressure is: -20.02 Pa.

Temperature inside is: 22.58 Degree C.
Temperature outside is: 22.84 Degree C.

Wind velocity of wind tunnel is: 9.98 m/s.

Mechanical ventilation flow rate is: 0.00 cfm.

Wind angle is: 300 Degree.

Type of flow is: UNIFORM

Location of opening: ALL OPEN / 10 SECONDS

PRESSURE AND PRESSURE COEFFICIENT FOR TEST18

NOTE:

dP = PRESSURE DIFFERENCE ACROSS THE WALL.
dPw = EXTERNAL PRESSURE WRT REFERENCE PRESSURE.
Cp = PRESSURE COEFFICIENT BASED ON dP.
Cpw = PRESSURE COEFFICIENT BASED ON dPw.

	dP (Pa)	Cp	dPw (Pa)	Cpw
At N31 ...	38.69	.6500	17.73	.2979
At N32 ...	57.13	.9606	36.22	.6084
At N33 ...	66.80	1.1222	45.84	.7701
At N21 ...	44.97	.7554	24.01	.4033
At N22 ...	65.24	1.0959	44.27	.7437
At N23 ...	75.81	1.2735	54.85	.9214
At N11 ...	53.39	.8969	32.43	.5446
At N12 ...	71.66	1.2037	50.69	.8516
At N13 ...	79.37	1.3333	58.40	.9811
Average...	61.46	1.0324	40.49	.6802
At E31 ...	-40.15	-.6745	-61.11	-1.0267
At E32 ...	-37.64	-.6324	-58.61	-.9845
At E33 ...	-35.84	-.6021	-56.91	-.9543
At E21 ...	-38.63	-.6489	-59.59	-1.0010
At E22 ...	-35.48	-.5960	-56.44	-.9482
At E23 ...	-32.76	-.5504	-53.73	-.9025
At E11 ...	-31.58	-.5305	-52.54	-.8827
At E12 ...	-27.48	-.4616	-48.44	-.8137
At E13 ...	-25.04	-.4207	-46.00	-.7728
Average...	-33.85	-.5686	-54.81	-.9207
At S31 ...	-30.18	-.5071	-51.15	-.8592
At S32 ...	-32.14	-.5399	-53.10	-.8921
At S33 ...	-35.51	-.5966	-56.48	-.9487
At S21 ...	-29.15	-.4397	-50.12	-.8419
At S22 ...	-30.72	-.5160	-51.68	-.8632
At S23 ...	-33.85	-.5686	-54.81	-.9207
At S11 ...	-20.44	-.3433	-41.40	-.6855
At S12 ...	-23.14	-.3887	-44.10	-.7409
At S13 ...	-22.98	-.3861	-43.94	-.7382
Average...	-28.68	-.4818	-49.64	-.8339
At W31 ...	32.68	.5489	11.71	.1968
At W32 ...	20.37	.3421	-1.60	-.0100
At W33 ...	8.54	.1435	-12.42	-.2086
At W21 ...	27.00	.4535	6.04	.1014
At W22 ...	24.50	.4116	3.54	.0595
At W23 ...	7.81	.1312	-13.15	-.2209
At W11 ...	7.43	.1248	-13.53	-.2273
At W12 ...	22.37	.3841	1.90	.0320
At W13 ...	12.67	.2129	-8.29	-.1392
Average...	18.21	.3059	-2.75	-.0463

Internal pressure (I4) is: -20.94 Pa.
Internal pressure (I3) is: -21.16 Pa.
Internal pressure (I2) is: -20.73 Pa.
Internal pressure (I1) is: -21.02 Pa.
Average internal pressure is: -20.96 Pa.

Temperature inside is: 22.67 Degree C.
Temperature outside is: 22.33 Degree C.

Wind velocity of wind tunnel is: 9.99 m/s.

Mechanical ventilation flow rate is: 0.00 cfh.

Wind angle is: 330 Degree.

Type of flow is: UNIFORM

Location of opening: ALL OPEN / 10 SECONDS

PRESSURE AND PRESSURE COEFFICIENT FOR TEST19

NOTE:

dP = PRESSURE DIFFERENCE ACROSS THE WALL.
dPw= EXTERNAL PRESSURE WRT REFERENCE PRESSURE.
Cp = PRESSURE COEFFICIENT BASED ON dP.
Cpw= PRESSURE COEFFICIENT BASED ON dPw.

	dP (Pa)	Cp	dPw (Pa)	Cpw
	-----	---	-----	----
At N31 ...	48.98	.8253	30.41	.5124
At N32 ...	39.14	.6596	20.57	.3467
At N33 ...	18.23	.3072	-.34	-.0057
At N21 ...	53.49	.9014	34.93	.5835
At N22 ...	43.99	.7413	25.43	.4284
At N23 ...	24.12	.4064	5.55	.0935
At N11 ...	49.91	.8410	31.34	.5291
At N12 ...	40.49	.6822	21.32	.3693
At N13 ...	26.33	.4437	7.76	.1308
Average...	38.50	.6453	19.73	.3325
At E31 ...	23.21	.3910	4.64	.0782
At E32 ...	35.58	.5995	17.01	.2967
At E33 ...	48.40	.8155	29.83	.5026
At E21 ...	29.34	.4944	10.77	.1815
At E22 ...	43.64	.7354	25.07	.4225
At E23 ...	59.26	.9986	40.70	.6857
At E11 ...	36.58	.6164	18.01	.3035
At E12 ...	53.24	.8971	34.67	.5842
At E13 ...	64.62	1.0889	46.06	.7761
Average...	43.76	.7374	25.19	.4245
At S31 ...	-41.49	-.6991	-60.06	-1.0120
At S32 ...	-37.83	-.6375	-56.40	-.9504
At S33 ...	-36.04	-.6072	-54.61	-.9201
At S21 ...	-39.75	-.6698	-58.32	-.9827
At S22 ...	-37.02	-.6238	-55.59	-.9367
At S23 ...	-34.15	-.5755	-52.72	-.8894
At S11 ...	-31.04	-.5231	-49.61	-.8360
At S12 ...	-29.73	-.5010	-48.30	-.8139
At S13 ...	-26.77	-.4510	-43.33	-.7639
Average...	-34.87	-.5876	-53.44	-.9005
At W31 ...	-37.19	-.6267	-55.76	-.9396
At W32 ...	-40.00	-.6741	-59.57	-.9870
At W33 ...	-42.77	-.7206	-61.33	-1.0335
At W21 ...	-35.39	-.5964	-53.96	-.9093
At W22 ...	-38.12	-.6423	-56.68	-.9552
At W23 ...	-39.87	-.6718	-58.43	-.9846
At W11 ...	-26.28	-.4428	-44.85	-.7557
At W12 ...	-30.47	-.5134	-49.03	-.8262
At W13 ...	-31.62	-.5327	-50.18	-.8456
Average...	-35.74	-.6023	-54.31	-.9152

Internal pressure (I4) is: -18.59 Pa.
Internal pressure (I3) is: -18.50 Pa.
Internal pressure (I2) is: -18.93 Pa.
Internal pressure (I1) is: -18.25 Pa.
Average internal pressure is: -18.57 Pa.

Temperature inside is: 22.75 Degree C.
Temperature outside is: 22.85 Degree C.

Wind velocity of wind tunnel is: 9.97 m/s.

Mechanical ventilation flow rate is: 0.00 cfm.

Wind angle is: 45 Degree.

Type of flow is: UNIFORM

Location of opening: ALL OPEN / 10 SECONDS

PRESSURE AND PRESSURE COEFFICIENT FOR TEST20

NOTE:

dP = PRESSURE DIFFERENCE ACROSS THE WALL.
dPw = EXTERNAL PRESSURE WRT REFERENCE PRESSURE.
Cp = PRESSURE COEFFICIENT BASED ON dP.
Cpw = PRESSURE COEFFICIENT BASED ON dPw.

	dP (Pa)	Cp	dPw (Pa)	Cpw
At N31 ...	193.04	1.4399	101.70	.7586
At N32 ...	206.52	1.5404	115.18	.8591
At N33 ...	194.35	1.4497	103.01	.7683
At N21 ...	208.48	1.5551	117.14	.8737
At N22 ...	222.64	1.6607	131.30	.9794
At N23 ...	209.67	1.5639	118.33	.8826
At N11 ...	218.75	1.6317	127.41	.9504
At N12 ...	223.51	1.6672	132.17	.9859
At N13 ...	205.73	1.5346	114.40	.8533
Average...	209.19	1.5604	117.85	.8790
At E31 ...	-50.90	-.3797	-142.24	-1.0610
At E32 ...	-54.97	-.4100	-146.31	-1.0913
At E33 ...	-47.18	-.3519	-138.52	-1.0333
At E21 ...	-59.88	-.4467	-151.22	-1.1280
At E22 ...	-61.43	-.4582	-152.77	-1.1395
At E23 ...	-46.52	-.3470	-137.86	-1.0283
At E11 ...	-63.46	-.4734	-154.80	-1.1547
At E12 ...	-79.94	-.5963	-172.28	-1.2776
At E13 ...	-74.81	-.5580	-166.15	-1.2393
Average...	-59.90	-.4468	-151.24	-1.1291
At S31 ...	-21.00	-.1566	-112.34	-.8379
At S32 ...	-18.79	-.1401	-110.12	-.8214
At S33 ...	-28.73	-.2143	-120.07	-.8956
At S21 ...	-10.14	-.0756	-101.48	-.7569
At S22 ...	-7.52	-.0561	-98.86	-.7374
At S23 ...	-10.81	-.0806	-102.15	-.7619
At S11 ...	3.03	.0226	-88.31	-.6587
At S12 ...	6.46	.0482	-84.88	-.6331
At S13 ...	-2.45	-.0183	-93.79	-.6996
Average...	-9.99	-.0745	-101.33	-.7558
At W31 ...	-50.29	-.3751	-141.63	-1.0564
At W32 ...	-55.84	-.4165	-147.18	-1.0979
At W33 ...	-51.59	-.3849	-142.93	-1.0661
At W21 ...	-48.56	-.3622	-139.90	-1.0435
At W22 ...	-53.21	-.3969	-144.55	-1.0782
At W23 ...	-53.81	-.4014	-145.15	-1.0827
At W11 ...	-53.75	-.4009	-145.09	-1.0823
At W12 ...	-64.74	-.4829	-156.08	-1.1642
At W13 ...	-52.89	-.3945	-144.22	-1.0758
Average...	-53.85	-.4017	-145.19	-1.0830

Internal pressure (I4) is: -91.31 Pa.
Internal pressure (I3) is: -92.04 Pa.
Internal pressure (I2) is: -91.16 Pa.
Internal pressure (I1) is: -90.85 Pa.
Average internal pressure is: -91.34 Pa.

Temperature inside is: 22.78 Degree C.
Temperature outside is: 22.92 Degree C.

Wind velocity of wind tunnel is: 14.99 m/s.

Mechanical ventilation flow rate is: 0.00 cfm.

Wind angle is: 0 Degree.

Type of flow is: UNIFORM

Location of opening: ALL OPEN / 10 SECONDS

PRESSURE AND PRESSURE COEFFICIENT FOR TEST21

NOTE:

dP = PRESSURE DIFFERENCE ACROSS THE WALL.
dPw = EXTERNAL PRESSURE WRT REFERENCE PRESSURE.
Cp = PRESSURE COEFFICIENT BASED ON dP.
Cpw = PRESSURE COEFFICIENT BASED ON dPw.

	dP (Pa)	Cp	dPw (Pa)	Cpw
At N31 ...	137.37	1.4688	72.50	.7752
At N32 ...	144.92	1.5495	80.05	.8559
At N33 ...	136.58	1.4603	71.71	.7668
At N21 ...	146.56	1.5671	81.70	.8735
At N22 ...	156.94	1.6781	92.08	.9845
At N23 ...	145.94	1.5604	81.08	.8669
At M11 ...	153.40	1.6402	88.53	.9466
At M12 ...	155.73	1.6651	90.86	.9715
At M13 ...	142.53	1.5240	77.67	.8304
Average...	146.66	1.5682	81.80	.8746
At E31 ...	-37.01	-.3957	-101.98	-1.0893
At E32 ...	-34.72	-.3713	-99.59	-1.0648
At E33 ...	-32.89	-.3516	-97.75	-1.0452
At E21 ...	-42.44	-.4537	-107.30	-1.1473
At E22 ...	-40.96	-.4380	-105.83	-1.1316
At E23 ...	-34.25	-.3662	-99.12	-1.0598
At E11 ...	-43.04	-.4602	-107.90	-1.1537
At E12 ...	-57.77	-.6177	-122.64	-1.3113
At E13 ...	-54.80	-.5859	-119.67	-1.2795
Average...	-41.99	-.4489	-106.85	-1.1425
At S31 ...	-18.78	-.2008	-83.65	-.8944
At S32 ...	-15.43	-.1650	-80.29	-.8585
At S33 ...	-22.27	-.2381	-87.14	-.9317
At S21 ...	-6.26	-.0669	-71.12	-.7605
At S22 ...	-5.53	-.0592	-70.40	-.7527
At S23 ...	-8.80	-.0940	-73.66	-.7876
At S11 ...	1.96	.0209	-62.91	-.6727
At S12 ...	4.92	.0526	-59.95	-.6410
At S13 ...	.67	.0071	-64.20	-.6864
Average...	-7.73	-.0826	-72.59	-.7762
At W31 ...	-29.99	-.3206	-94.85	-1.0142
At W32 ...	-36.94	-.3950	-101.81	-1.0886
At W33 ...	-35.19	-.3762	-100.05	-1.0698
At W21 ...	-34.88	-.3730	-99.75	-1.0665
At W22 ...	-41.44	-.4431	-106.31	-1.1367
At W23 ...	-36.56	-.3909	-101.43	-1.0845
At W11 ...	-36.59	-.3912	-101.46	-1.0848
At W12 ...	-41.54	-.4442	-106.41	-1.1377
At W13 ...	-35.34	-.3779	-100.21	-1.0714
Average...	-36.50	-.3902	-101.36	-1.0838

Internal pressure (I4) is: -65.24 Pa.
Internal pressure (I3) is: -65.39 Pa.
Internal pressure (I2) is: -63.76 Pa.
Internal pressure (I1) is: -65.07 Pa.
Average internal pressure is: -64.87 Pa.

Temperature inside is: 22.01 Degree C.
Temperature outside is: 22.19 Degree C.

Wind velocity of wind tunnel is: 12.50 m/s.

Mechanical ventilation flow rate is: 0.00 cfm.

Wind angle is: 0 Degree.

Type of flow is: UNIFORM

Location of opening: ALL OPEN / 10 SECONDS

PRESSURE AND PRESSURE COEFFICIENT FOR TEST22

NOTE:

dP = PRESSURE DIFFERENCE ACROSS THE WALL.
dPw = EXTERNAL PRESSURE WRT REFERENCE PRESSURE.
Cp = PRESSURE COEFFICIENT BASED ON dP.
Cpw = PRESSURE COEFFICIENT BASED ON dPw.

	dP (Pa)	Cp	dPw (Pa)	Cpw
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At N31 ...	134.22	1.4469	77.58	.8363
At N32 ...	136.55	1.4720	79.90	.8614
At N33 ...	121.17	1.3062	64.52	.6956
At N21 ...	145.62	1.5698	88.98	.9592
At N22 ...	146.18	1.5759	89.54	.9652
At N23 ...	128.10	1.3809	71.46	.7703
At N11 ...	143.38	1.5456	86.73	.9350
At N12 ...	141.74	1.5280	85.10	.9173
At N13 ...	122.70	1.3227	66.05	.7120
Average...	135.52	1.4609	78.87	.8502
At E31 ...	-30.89	-.3330	-87.54	-.9436
At E32 ...	-67.20	-.7245	-123.95	-1.3351
At E33 ...	-65.84	-.7098	-122.49	-1.3204
At E21 ...	-41.59	-.4483	-98.23	-1.0569
At E22 ...	-71.87	-.7747	-128.51	-1.3854
At E23 ...	-68.54	-.7389	-125.19	-1.3495
At E11 ...	27.30	.2943	-29.35	-.3164
At E12 ...	-40.23	-.4336	-96.87	-1.0443
At E13 ...	-100.19	-1.0800	-156.83	-1.6906
Average...	-51.00	-.5498	-107.65	-1.1605
At S31 ...	-22.08	-.2380	-78.72	-.8486
At S32 ...	-17.56	-.1893	-74.21	-.7999
At S33 ...	-14.92	-.1609	-71.57	-.7715
At S21 ...	-10.38	-.1119	-67.03	-.7226
At S22 ...	-10.19	-.1098	-66.83	-.7204
At S23 ...	-9.86	-.1062	-66.50	-.7169
At S11 ...	.57	.0062	-56.07	-.6045
At S12 ...	2.76	.0297	-53.89	-.5809
At S13 ...	2.13	.0230	-54.51	-.5876
Average...	-8.64	-.0952	-65.48	-.7059
At W31 ...	-25.16	-.2713	-81.81	-.8819
At W32 ...	-27.75	-.2991	-84.39	-.9097
At W33 ...	-30.49	-.3296	-87.13	-.9393
At W21 ...	-20.36	-.2195	-77.00	-.8301
At W22 ...	-23.93	-.2580	-80.58	-.8686
At W23 ...	-28.15	-.3035	-84.80	-.9141
At W11 ...	-21.09	-.2274	-77.74	-.8380
At W12 ...	-25.02	-.2697	-81.67	-.8804
At W13 ...	-28.76	-.3101	-85.41	-.9207
Average...	-25.63	-.2763	-82.23	-.8870

Internal pressure (I4) is: -56.59 Pa.
Internal pressure (I3) is: -56.96 Pa.
Internal pressure (I2) is: -56.53 Pa.
Internal pressure (I1) is: -56.50 Pa.
Average internal pressure is: -56.65 Pa.

Temperature inside is: 22.22 Degree C.
Temperature outside is: 22.36 Degree C.

Wind velocity of wind tunnel is: 12.46 m/s.

Mechanical ventilation flow rate is: 0.00 cfm.

Wind angle is: 10 Degree.

Type of flow is: UNIFORM

Location of opening: ALL OPEN / 10 SECONDS

PRESSURE AND PRESSURE COEFFICIENT FOR TEST23

NOTE:

dP = PRESSURE DIFFERENCE ACROSS THE WALL.
dPw = EXTERNAL PRESSURE WRT REFERENCE PRESSURE.
Cp = PRESSURE COEFFICIENT BASED ON dP.
Cpw = PRESSURE COEFFICIENT BASED ON dPw.

	dP (Pa)	Cp	dPw (Pa)	Cpw
At N31 ...	124.58	1.3290	81.57	.8702
At N32 ...	116.11	1.2386	73.10	.7798
At N33 ...	93.17	.9940	50.16	.5352
At N21 ...	134.04	1.4299	91.03	.9711
At N22 ...	120.81	1.2389	77.81	.8301
At N23 ...	98.66	1.0525	55.65	.5937
At N11 ...	151.72	1.4052	98.72	.9464
At N12 ...	111.64	1.1910	68.63	.7322
At N13 ...	93.45	.9969	50.44	.5381
Average...	113.80	1.2140	70.79	.7552
At E31 ...	13.50	.1440	-29.51	-.3148
At E32 ...	-13.68	-.1460	-56.69	-.6048
At E33 ...	-42.42	-.4526	-85.43	-.9114
At E21 ...	18.12	.1933	-24.89	-.2655
At E22 ...	32.81	.3501	-10.19	-.1087
At E23 ...	-81.90	-.8738	-124.91	-1.3326
At E11 ...	24.49	.2613	-18.51	-.1975
At E12 ...	40.00	.4267	-3.01	-.0321
At E13 ...	30.39	.3242	-12.62	-.1346
Average...	2.37	.0252	-40.64	-.4335
At S31 ...	-37.02	-.3949	-80.02	-.8537
At S32 ...	-32.59	-.3477	-75.59	-.8065
At S33 ...	-29.15	-.3110	-72.16	-.7699
At S21 ...	-31.50	-.3360	-74.51	-.7948
At S22 ...	-29.06	-.2994	-71.07	-.7581
At S23 ...	-23.46	-.3036	-71.46	-.7624
At S11 ...	-16.16	-.1724	-59.17	-.6312
At S12 ...	-16.11	-.1719	-59.12	-.6307
At S13 ...	-15.46	-.1649	-58.47	-.6237
Average...	-26.06	-.2780	-69.06	-.7368
At W31 ...	-44.99	-.4799	-87.99	-.9337
At W32 ...	-44.93	-.4790	-87.93	-.9381
At W33 ...	-47.92	-.5112	-90.93	-.9700
At W21 ...	-38.44	-.4101	-81.45	-.8639
At W22 ...	-43.03	-.4590	-83.03	-.9178
At W23 ...	-51.03	-.5444	-94.03	-1.0032
At W11 ...	-34.35	-.3665	-77.36	-.8253
At W12 ...	-37.24	-.3972	-80.24	-.8560
At W13 ...	-49.07	-.5235	-92.07	-.9823
Average...	-43.44	-.4635	-86.45	-.9223

Internal pressure (I4) is: -41.81 Pa.
Internal pressure (I3) is: -42.95 Pa.
Internal pressure (I2) is: -43.26 Pa.
Internal pressure (I1) is: -44.00 Pa.
Average internal pressure is: -43.01 Pa.

Temperature inside is: 22.42 Degree C.
Temperature outside is: 22.56 Degree C.

Wind velocity of wind tunnel is: 12.53 m/s.

Mechanical ventilation flow rate is: 0.00 cfm.

Wind angle is: 20 Degree.

Type of flow is: UNIFORM

Location of opening: ALL OPEN / 10 SECONDS

PRESSURE AND PRESSURE COEFFICIENT FOR TEST 24

NOTE:

dP = PRESSURE DIFFERENCE ACROSS THE WALL.
dPw = EXTERNAL PRESSURE WRT REFERENCE PRESSURE.
Cp = PRESSURE COEFFICIENT BASED ON dP.
Cpw = PRESSURE COEFFICIENT BASED ON dPw.

	dP (Pa)	Cp	dPw (Pa)	Cpw
At N31 ...	105.24	1.1345	74.77	.7984
At N32 ...	93.59	.9994	62.11	.6633
At N33 ...	63.97	.6831	32.49	.3469
At N21 ...	112.55	1.2019	81.07	.8657
At N22 ...	98.69	1.0539	67.22	.7178
At N23 ...	70.20	.7496	38.72	.4135
At N11 ...	105.00	1.1212	73.52	.7851
At N12 ...	88.48	.9449	57.00	.6067
At N13 ...	68.32	.7296	36.84	.3934
Average...	89.67	.9576	58.19	.6214
At E31 ...	12.45	.1330	-19.02	-.2032
At E32 ...	29.28	.3127	-2.20	-.0235
At E33 ...	25.95	.2761	-5.63	-.0601
At E21 ...	18.58	.1984	-12.90	-.1377
At E22 ...	34.03	.3634	2.55	.0272
At E23 ...	58.31	.6226	26.83	.2365
At E11 ...	31.59	.3373	.11	.0012
At E12 ...	51.56	.5506	20.08	.2144
At E13 ...	63.96	.6830	32.48	.3468
Average...	36.18	.3863	4.70	.0502
At S31 ...	-55.32	-.5907	-86.80	-.9269
At S32 ...	-50.05	-.5345	-81.53	-.8706
At S33 ...	-48.49	-.5178	-79.97	-.8540
At S21 ...	-52.02	-.5555	-83.50	-.8917
At S22 ...	-49.36	-.5164	-79.84	-.8525
At S23 ...	-47.56	-.5078	-79.04	-.8440
At S11 ...	-35.21	-.3760	-66.69	-.7122
At S12 ...	-35.33	-.3773	-66.91	-.7154
At S13 ...	-34.20	-.3652	-65.68	-.7013
Average...	-45.17	-.4624	-76.65	-.8185
At W31 ...	-58.53	-.6250	-90.01	-.9612
At W32 ...	-60.62	-.6473	-92.10	-.9835
At W33 ...	-64.19	-.6854	-95.67	-1.0216
At W21 ...	-52.79	-.5637	-84.27	-.8999
At W22 ...	-56.25	-.6007	-87.73	-.9369
At W23 ...	-62.38	-.6714	-94.36	-1.0076
At W11 ...	-42.80	-.4570	-74.28	-.7932
At W12 ...	-48.15	-.5141	-79.63	-.8503
At W13 ...	-52.86	-.5644	-84.34	-.9006
Average...	-55.45	-.5921	-86.93	-.9283

Internal pressure (I4) is: -31.55 Pa.
Internal pressure (I3) is: -31.60 Pa.
Internal pressure (I2) is: -31.40 Pa.
Internal pressure (I1) is: -31.37 Pa.
Average internal pressure is: -31.48 Pa.

Temperature inside is: 22.53 Degree C.
Temperature outside is: 22.66 Degree C.

Wind velocity of wind tunnel is: 12.52 m/s.

Mechanical ventilation flow rate is: 0.00 cfm.

Wind angle is: 30 Degree.

Type of flow is: UNIFORM

Location of opening: ALL OPEN / 10 SECONDS

PRESSURE AND PRESSURE COEFFICIENT FOR TEST25

NOTE:

dP = PRESSURE DIFFERENCE ACROSS THE WALL.
dPw = EXTERNAL PRESSURE WRT REFERENCE PRESSURE.
Cp = PRESSURE COEFFICIENT BASED ON dP.
Cpw = PRESSURE COEFFICIENT BASED ON dPw.

	dP (Pa)	Cp	dPw (Pa)	Cpw
At N31 ...	88.99	.9524	60.20	.6443
At N32 ...	72.62	.7773	43.84	.4692
At N33 ...	37.40	.4003	8.61	.0922
At N21 ...	93.17	.9972	64.38	.6891
At N22 ...	78.40	.8391	49.61	.5310
At N23 ...	47.38	.5070	18.59	.1989
At N11 ...	81.99	.8776	53.21	.5695
At N12 ...	71.48	.7650	42.69	.4569
At N13 ...	51.05	.5464	22.26	.2383
Average...	69.17	.7402	40.38	.4321
At E31 ...	27.68	.2962	-1.11	-.0113
At E32 ...	44.74	.4789	15.96	.1708
At E33 ...	65.97	.7060	37.18	.3979
At E21 ...	38.08	.4076	9.30	.0995
At E22 ...	58.92	.6296	30.04	.3215
At E23 ...	80.93	.8662	52.14	.5581
At E11 ...	51.32	.5492	22.53	.2411
At E12 ...	75.16	.8044	46.37	.4963
At E13 ...	90.15	.9648	61.36	.6567
Average...	59.21	.6337	30.42	.3255
At S31 ...	-64.53	-.6906	-93.31	-.9937
At S32 ...	-59.14	-.6330	-87.93	-.9411
At S33 ...	-55.57	-.5948	-84.36	-.9029
At S21 ...	-60.02	-.6423	-88.80	-.9504
At S22 ...	-57.42	-.6145	-86.21	-.9226
At S23 ...	-54.24	-.5805	-83.02	-.8886
At S11 ...	-44.96	-.4812	-73.75	-.7693
At S12 ...	-45.60	-.4880	-74.38	-.7961
At S13 ...	-41.11	-.4400	-69.90	-.7481
Average...	-53.62	-.5739	-82.41	-.8820
At W31 ...	-60.29	-.6453	-89.03	-.9534
At W32 ...	-64.11	-.6861	-92.89	-.9942
At W33 ...	-70.06	-.7498	-98.34	-1.0579
At W21 ...	-56.71	-.6070	-85.50	-.9151
At W22 ...	-59.29	-.6346	-88.03	-.9427
At W23 ...	-65.71	-.7033	-94.50	-1.0114
At W11 ...	-42.30	-.4527	-71.03	-.7608
At W12 ...	-47.88	-.5125	-76.67	-.8206
At W13 ...	-52.39	-.5607	-81.17	-.8688
Average...	-57.64	-.6169	-86.42	-.9250

Internal pressure (I4) is: -28.73 Pa.
Internal pressure (I3) is: -28.94 Pa.
Internal pressure (I2) is: -28.61 Pa.
Internal pressure (I1) is: -28.82 Pa.
Average internal pressure is: -28.79 Pa.

Temperature inside is: 22.68 Degree C.
Temperature outside is: 22.79 Degree C.

Wind velocity of wind tunnel is: 12.51 m/s.

Mechanical ventilation flow rate is: 0.00 cfm.

Wind angle is: 40 Degree.

Type of flow is: UNIFORM

Location of opening: ALL OPEN / 10 SECONDS

PRESSURE AND PRESSURE COEFFICIENT FOR TEST26

NOTE:

dP = PRESSURE DIFFERENCE ACROSS THE WALL.
dPw = EXTERNAL PRESSURE WRT REFERENCE PRESSURE.
Cp = PRESSURE COEFFICIENT BASED ON dP.
Cpw = PRESSURE COEFFICIENT BASED ON dPw.

	dP (Pa)	Cp	dPw (Pa)	Cpw
At N31 ...	78.26	.8338	50.10	.5337
At N32 ...	61.48	.6551	33.32	.3550
At N33 ...	28.45	.3031	.28	.0030
At N21 ...	81.18	.8649	53.01	.5648
At N22 ...	68.13	.7259	39.96	.4253
At N23 ...	37.11	.3953	8.94	.0952
At N11 ...	72.44	.7717	44.27	.4717
At N12 ...	61.55	.6557	33.38	.3556
At N13 ...	41.84	.4458	13.67	.1457
Average...	58.94	.6279	30.77	.3278
At E31 ...	35.19	.3749	7.02	.0748
At E32 ...	56.65	.6035	28.48	.3035
At E33 ...	77.77	.8286	49.61	.5285
At E21 ...	45.77	.4876	17.60	.1875
At E22 ...	68.45	.7293	40.28	.4292
At E23 ...	90.43	.9634	62.26	.6633
At E11 ...	60.48	.6443	32.31	.3443
At E12 ...	84.98	.9053	56.81	.6053
At E13 ...	97.20	1.0356	69.04	.7355
Average...	68.55	.7303	40.38	.4302
At S31 ...	-66.31	-.7065	-94.48	-1.0066
At S32 ...	-62.08	-.6614	-90.24	-.9615
At S33 ...	-58.55	-.6238	-86.72	-.9238
At S21 ...	-62.82	-.6693	-90.99	-.9694
At S22 ...	-60.05	-.6398	-88.21	-.9399
At S23 ...	-55.23	-.5884	-83.39	-.8885
At S11 ...	-49.26	-.5248	-77.42	-.8249
At S12 ...	-49.31	-.5254	-77.48	-.8255
At S13 ...	-42.96	-.4577	-71.12	-.7577
Average...	-56.28	-.5997	-84.45	-.8998
At W31 ...	-59.27	-.6315	-87.44	-.9316
At W32 ...	-63.98	-.6816	-92.14	-.9817
At W33 ...	-68.83	-.7333	-96.99	-1.0334
At W21 ...	-55.47	-.5910	-83.64	-.8911
At W22 ...	-59.39	-.6327	-87.55	-.9328
At W23 ...	-62.87	-.6698	-91.04	-.9699
At W11 ...	-42.64	-.4543	-70.81	-.7544
At W12 ...	-48.84	-.5204	-77.01	-.8205
At W13 ...	-49.51	-.5275	-77.68	-.8276
Average...	-56.76	-.6047	-84.92	-.9048

Internal pressure (I4) is: -28.57 Pa.
Internal pressure (I3) is: -27.72 Pa.
Internal pressure (I2) is: -28.28 Pa.
Internal pressure (I1) is: -28.09 Pa.
Average internal pressure is: -28.17 Pa.

Temperature inside is: 22.85 Degree C.
Temperature outside is: 22.92 Degree C.

Wind velocity of wind tunnel is: 12.54 m/s.

Mechanical ventilation flow rate is: 0.00 cfm.

Wind angle is: 45 Degree.

Type of flow is: UNIFORM

Location of opening: ALL OPEN / 10 SECONDS

PRESSURE AND PRESSURE COEFFICIENT FOR TEST27

NOTE:

dP = PRESSURE DIFFERENCE ACROSS THE WALL
dPw = EXTERNAL PRESSURE WRT REFERENCE PRESSURE.
Cp = PRESSURE COEFFICIENT BASED ON dP.
Cpw = PRESSURE COEFFICIENT BASED ON dPw.

	dP (Pa)	Cp	dPw (Pa)	Cpw
-----	-----	---	-----	---
At N31 ...	61.20	.6587	33.13	.3566
At N32 ...	47.87	.5152	19.80	.2131
At N33 ...	14.86	.1600	-13.20	-.1421
At N21 ...	65.67	.7069	37.60	.4048
At N22 ...	56.80	.6114	28.73	.3092
At N23 ...	25.32	.2726	-2.75	-.0296
At N11 ...	62.12	.6686	34.05	.3665
At N12 ...	52.59	.5661	24.52	.2639
At N13 ...	32.39	.3486	4.32	.0465
Average...	46.53	.5009	18.46	.1988
At E31 ...	46.16	.4971	18.11	.1950
At E32 ...	67.51	.7267	39.44	.4246
At E33 ...	88.50	.9526	60.43	.6505
At E21 ...	58.53	.6300	30.46	.3279
At E22 ...	81.55	.8778	53.49	.5756
At E23 ...	102.40	1.1023	74.33	.8002
At E11 ...	70.68	.7609	42.62	.4587
At E12 ...	94.74	1.0198	66.67	.7177
At E13 ...	111.38	1.1989	83.31	.8968
Average...	80.16	.8629	52.09	.5608
At S31 ...	-67.18	-.7232	-95.25	-1.0253
At S32 ...	-62.46	-.6723	-90.53	-.9745
At S33 ...	-59.49	-.6403	-87.56	-.9425
At S21 ...	-64.38	-.6930	-92.45	-.9951
At S22 ...	-59.96	-.6454	-88.03	-.9476
At S23 ...	-56.15	-.6045	-84.22	-.9066
At S11 ...	-52.37	-.5637	-80.44	-.8659
At S12 ...	-49.43	-.5320	-77.49	-.8342
At S13 ...	-42.60	-.4586	-70.67	-.7607
Average...	-57.11	-.6148	-85.18	-.9169
At W31 ...	-55.08	-.5929	-83.15	-.8950
At W32 ...	-59.82	-.6440	-87.89	-.9461
At W33 ...	-65.18	-.7017	-93.25	-1.0038
At W21 ...	-54.78	-.5897	-82.85	-.8919
At W22 ...	-57.48	-.6187	-85.55	-.9209
At W23 ...	-58.63	-.6311	-86.70	-.9332
At W11 ...	-40.73	-.4385	-68.80	-.7406
At W12 ...	-44.05	-.4742	-72.12	-.7763
At W13 ...	-43.60	-.4694	-71.67	-.7715
Average...	-53.26	-.5733	-81.53	-.8755

Internal pressure (I4) is: -27.95 Pa.
Internal pressure (I3) is: -28.18 Pa.
Internal pressure (I2) is: -27.84 Pa.
Internal pressure (I1) is: -28.31 Pa.
Average internal pressure is: -28.07 Pa.

Temperature inside is: 22.77 Degree C.
Temperature outside is: 22.91 Degree C.

Wind velocity of wind tunnel is: 12.48 m/s.

Mechanical ventilation flow rate is: 0.00 cfh.

Wind angle is: 50 Degree.

Type of flow is: UNIFORM

Location of opening: ALL OPEN / 10 SECONDS

PRESSURE AND PRESSURE COEFFICIENT FOR TEST28

NOTE:

dP = PRESSURE DIFFERENCE ACROSS THE WALL.
dPw = EXTERNAL PRESSURE WRT REFERENCE PRESSURE.
Cp = PRESSURE COEFFICIENT BASED ON dP.
Cpw = PRESSURE COEFFICIENT BASED ON dPw.

	dP (Pa)	Cp	dPw (Pa)	Cpw
At N31 ...	42.56	.4532	10.45	.1125
At N32 ...	29.60	.3187	-2.50	-.0270
At N33 ...	-.91	-.0098	-33.02	-.3555
At N21 ...	42.38	.4563	10.27	.1106
At N22 ...	39.84	.4299	7.73	.0832
At N23 ...	11.27	.1214	-20.84	-.2243
At N11 ...	7.37	.0794	-24.74	-.2663
At N12 ...	37.29	.4014	5.18	.0557
At N13 ...	21.18	.2280	-10.93	-.1177
Average...	25.62	.2758	-6.49	-.0696
At E31 ...	68.47	.7372	36.36	.3915
At E32 ...	90.73	.9768	58.62	.6311
At E33 ...	108.30	1.1660	76.19	.8203
At E21 ...	80.96	.8717	48.65	.5260
At E22 ...	103.23	1.1114	71.12	.7657
At E23 ...	119.72	1.2889	87.61	.9432
At E11 ...	92.53	.9962	60.42	.6505
At E12 ...	114.45	1.2322	82.34	.8865
At E13 ...	124.26	1.3378	92.15	.9921
Average...	100.29	1.0798	68.18	.7341
At S31 ...	-63.02	-.6785	-95.13	-1.0242
At S32 ...	-60.53	-.6517	-92.64	-.9974
At S33 ...	-57.04	-.6141	-89.15	-.9598
At S21 ...	-60.63	-.6528	-92.74	-.9985
At S22 ...	-55.69	-.5996	-87.80	-.9453
At S23 ...	-51.31	-.5524	-83.42	-.8981
At S11 ...	-50.87	-.5477	-82.98	-.8934
At S12 ...	-45.68	-.4918	-77.73	-.8375
At S13 ...	-39.54	-.4257	-71.65	-.7714
Average...	-53.81	-.5793	-85.92	-.9250
At W31 ...	-47.16	-.5078	-79.27	-.8535
At W32 ...	-51.17	-.5509	-83.28	-.8966
At W33 ...	-55.71	-.5998	-87.82	-.9455
At W21 ...	-46.40	-.4996	-78.51	-.8453
At W22 ...	-47.08	-.5069	-79.19	-.8526
At W23 ...	-51.07	-.5498	-83.18	-.8955
At W11 ...	-33.19	-.3574	-65.30	-.7031
At W12 ...	-34.30	-.3692	-66.41	-.7149
At W13 ...	-33.47	-.3603	-65.58	-.7060
Average...	-44.39	-.4780	-76.50	-.8237

Internal pressure (I4) is: -31.39 Pa.
Internal pressure (I3) is: -32.01 Pa.
Internal pressure (I2) is: -32.28 Pa.
Internal pressure (I1) is: -32.75 Pa.
Average internal pressure is: -32.11 Pa.

Temperature inside is: 22.82 Degree C.
Temperature outside is: 22.92 Degree C.

Wind velocity of wind tunnel is: 12.48 m/s.

Mechanical ventilation flow rate is: 0.00 cfh.

Wind angle is: 60 Degree.

Type of flow is: UNIFORM

Location of opening: ALL OPEN / 10 SECONDS

PRESSURE AND PRESSURE COEFFICIENT FOR TEST29

NOTE:

dP = PRESSURE DIFFERENCE ACROSS THE WALL.
dPw = EXTERNAL PRESSURE WRT REFERENCE PRESSURE.
Cp = PRESSURE COEFFICIENT BASED ON dP.
Cpw = PRESSURE COEFFICIENT BASED ON dPw.

	dP (Pa) -----	Cp ---	dPw (Pa) -----	Cpw ----
At N31 ...	-59.59	-.6407	-103.85	-1.1165
At N32 ...	24.25	.2607	-20.01	-.2151
At N33 ...	2.03	.0218	-42.23	-.4540
At N21 ...	-53.37	-.5738	-97.63	-1.0496
At N22 ...	-19.47	-.2093	-63.73	-.6851
At N23 ...	13.96	.1501	-30.30	-.3257
At N11 ...	-46.86	-.5038	-91.12	-.9796
At N12 ...	-21.27	-.2297	-65.53	-.7045
At N13 ...	18.00	.1935	-26.26	-.2923
Average...	-15.81	-.1700	-60.07	-.6458
At E31 ...	96.82	1.0409	52.56	.5651
At E32 ...	116.39	1.2513	72.13	.7755
At E33 ...	127.51	1.3688	83.06	.8929
At E21 ...	109.79	1.1803	65.53	.7045
At E22 ...	127.21	1.3676	82.95	.8918
At E23 ...	134.51	1.4461	90.25	.9703
At E11 ...	120.35	1.2939	76.10	.8181
At E12 ...	134.76	1.4488	90.51	.9730
At E13 ...	135.07	1.4521	90.81	.9763
Average...	122.47	1.3166	78.21	.8408
At S31 ...	-43.19	-.4643	-87.45	-.9401
At S32 ...	-42.08	-.4524	-86.33	-.9282
At S33 ...	-41.70	-.4483	-85.96	-.9241
At S21 ...	-45.32	-.4872	-89.58	-.9630
At S22 ...	-38.56	-.4145	-82.81	-.8903
At S23 ...	-34.63	-.3723	-78.88	-.8431
At S11 ...	-40.87	-.4394	-85.13	-.9152
At S12 ...	-32.17	-.3459	-76.43	-.8217
At S13 ...	-27.29	-.2934	-71.55	-.7692
Average...	-38.42	-.4131	-82.68	-.8899
At W31 ...	-29.75	-.3199	-74.01	-.7957
At W32 ...	-32.70	-.3516	-76.96	-.8274
At W33 ...	-38.42	-.4130	-82.67	-.8838
At W21 ...	-26.77	-.2878	-71.03	-.7636
At W22 ...	-27.41	-.2947	-71.67	-.7705
At W23 ...	-30.06	-.3232	-74.32	-.7990
At W11 ...	-15.26	-.1640	-59.51	-.6398
At W12 ...	-16.21	-.1742	-60.46	-.6500
At W13 ...	-13.71	-.1474	-57.97	-.6232
Average...	-25.59	-.2751	-69.35	-.7509

Internal pressure (I4) is: -44.04 Pa.
Internal pressure (I3) is: -44.47 Pa.
Internal pressure (I2) is: -44.12 Pa.
Internal pressure (I1) is: -44.40 Pa.
Average internal pressure is: -44.26 Pa.

Temperature inside is: 22.92 Degree C.
Temperature outside is: 23.02 Degree C.

Wind velocity of wind tunnel is: 12.49 m/s.

Mechanical ventilation flow rate is: 0.00 cfm.

Wind angle is: 70 Degrees.

Type of flow is: UNIFORM

Location of opening: ALL OPEN / 10 SECONDS

PRESSURE AND PRESSURE COEFFICIENT FOR TEST30

NOTE:

dP = PRESSURE DIFFERENCE ACROSS THE WALL.
dPw = EXTERNAL PRESSURE WRT REFERENCE PRESSURE.
Cp = PRESSURE COEFFICIENT BASED ON dP.
Cpw = PRESSURE COEFFICIENT BASED ON dPw.

	dP (Pa)	Cp	dPw (Pa)	Cpw
At N31 ...	-79.84	-.8615	-136.86	-1.4768
At N32 ...	-63.15	-.6814	-120.17	-1.2966
At N33 ...	-18.78	-.2027	-75.80	-.8179
At N21 ...	-66.34	-.7159	-123.38	-1.5311
At N22 ...	-71.88	-.7756	-128.90	-1.3909
At N23 ...	-48.77	-.5262	-105.79	-1.1415
At N11 ...	-70.99	-.7660	-128.01	-1.3812
At N12 ...	-73.07	-.7984	-130.09	-1.4037
At N13 ...	-41.71	-.4500	-99.73	-1.0653
Average...	-59.39	-.6409	-116.41	-1.2561
At E31 ...	123.52	1.3328	66.50	.7176
At E32 ...	136.78	1.4759	79.76	.8606
At E33 ...	136.39	1.4717	79.38	.8565
At E21 ...	133.26	1.4379	76.24	.8226
At E22 ...	146.80	1.5340	89.78	.9688
At E23 ...	142.75	1.5403	85.73	.9250
At E11 ...	142.17	1.5341	85.15	.9188
At E12 ...	149.17	1.6096	92.15	.9943
At E13 ...	140.30	1.5139	83.28	.8986
Average...	139.02	1.5000	82.00	.8848
At S31 ...	-28.18	-.3040	-85.19	-.9193
At S32 ...	-25.85	-.2789	-82.87	-.8941
At S33 ...	-23.90	-.2579	-80.92	-.8731
At S21 ...	-28.89	-.3117	-85.91	-.9270
At S22 ...	-21.07	-.2274	-73.09	-.8426
At S23 ...	-20.14	-.2173	-77.16	-.8325
At S11 ...	-27.29	-.2945	-84.31	-.9097
At S12 ...	-24.42	-.2635	-81.43	-.8787
At S13 ...	-19.78	-.2134	-76.90	-.8297
Average...	-24.39	-.2632	-81.41	-.8784
At W31 ...	-16.73	-.1805	-73.75	-.7958
At W32 ...	-18.36	-.1981	-75.38	-.8133
At W33 ...	-20.77	-.2241	-77.78	-.8393
At W21 ...	-10.52	-.1135	-67.54	-.7288
At W22 ...	-9.21	-.0993	-66.23	-.7146
At W23 ...	-8.76	-.0945	-65.76	-.7038
At W11 ...	-.57	-.0062	-57.59	-.6215
At W12 ...	.64	.0069	-56.38	-.6084
At W13 ...	.42	.0045	-56.60	-.6107
Average...	-9.32	-.1005	-66.34	-.7158

Internal pressure (I4) is: -56.86 Pa.
Internal pressure (I3) is: -56.96 Pa.
Internal pressure (I2) is: -56.83 Pa.
Internal pressure (I1) is: -57.43 Pa.
Average internal pressure is: -57.02 Pa.

Temperature inside is: 22.94 Degree C.
Temperature outside is: 23.06 Degree C.

Wind velocity of wind tunnel is: 12.47 m/s.

Mechanical ventilation flow rate is: 0.00 cfm.

Wind angle is: 80 Degree.

Type of flow is: UNIFORM

Location of opening: ALL OPEN / 10 SECONDS

PRESSURE AND PRESSURE COEFFICIENT FOR TEST31

NOTE:

dP = PRESSURE DIFFERENCE ACROSS THE WALL.
dPw = EXTERNAL PRESSURE WRT REFERENCE PRESSURE.
Cp = PRESSURE COEFFICIENT BASED ON dP.
Cpw = PRESSURE COEFFICIENT BASED ON dPw.

	dP (Pa)	Cp	dPw (Pa)	Cpw
At N31 ...	-34.69	-.3736	-94.93	-1.0225
At N32 ...	-37.00	-.3985	-97.24	-1.0474
At N33 ...	-38.44	-.4141	-98.69	-1.0629
At N21 ...	-34.39	-.3704	-94.63	-1.0192
At N22 ...	-40.72	-.4386	-100.96	-1.0875
At N23 ...	-39.93	-.4290	-100.07	-1.0779
At N11 ...	-40.29	-.4340	-100.53	-1.0828
At N12 ...	-45.29	-.4878	-105.54	-1.1367
At N13 ...	-35.39	-.3812	-95.63	-1.0301
Average...	-38.45	-.4141	-98.69	-1.0630
At E31 ...	132.87	1.4312	72.63	.7823
At E32 ...	139.09	1.4981	78.84	.8492
At E33 ...	134.42	1.4478	74.17	.7989
At E21 ...	142.83	1.5384	82.59	.8895
At E22 ...	150.04	1.6161	89.80	.9672
At E23 ...	137.22	1.4780	76.98	.8291
At E11 ...	148.38	1.5982	88.14	.9493
At E12 ...	150.10	1.6167	89.85	.9678
At E13 ...	130.91	1.4100	70.67	.7612
Average...	140.65	1.5149	80.41	.8661
At S31 ...	-31.92	-.3438	-92.16	-.9927
At S32 ...	-33.31	-.3588	-93.55	-1.0077
At S33 ...	-29.80	-.3210	-90.05	-.9699
At S21 ...	-40.71	-.4384	-100.95	-1.0873
At S22 ...	-41.48	-.4468	-101.72	-1.0956
At S23 ...	-34.54	-.3721	-94.79	-1.0209
At S11 ...	-40.15	-.4325	-100.40	-1.0814
At S12 ...	-57.26	-.6168	-117.51	-1.2657
At S13 ...	-54.13	-.5830	-114.37	-1.2319
Average...	-40.37	-.4348	-100.61	-1.0837
At W31 ...	-15.55	-.1675	-75.79	-.8164
At W32 ...	-16.95	-.1826	-77.20	-.8315
At W33 ...	-19.17	-.2065	-79.42	-.8554
At W21 ...	-7.21	-.0777	-67.46	-.7266
At W22 ...	-3.04	-.0328	-63.29	-.6816
At W23 ...	-9.61	-.1035	-69.36	-.7524
At W11 ...	1.29	.0139	-58.95	-.6350
At W12 ...	2.39	.0258	-57.85	-.6231
At W13 ...	-1.01	-.0109	-61.25	-.6597
Average...	-7.65	-.0824	-67.90	-.7313

Internal pressure (I4) is: -60.53 Pa.
Internal pressure (I3) is: -59.82 Pa.
Internal pressure (I2) is: -60.29 Pa.
Internal pressure (I1) is: -60.33 Pa.
Average internal pressure is: -60.24 Pa.

Temperature inside is: 22.96 Degree C.
Temperature outside is: 23.07 Degree C.

Wind velocity of wind tunnel is: 12.48 m/s.

Mechanical ventilation flow rate is: 0.00 cfh.

Wind angle is: 90 Degree.

Type of flow is: UNIFORM

Location of opening: ALL OPEN / 10 SECONDS

PRESSURE AND PRESSURE COEFFICIENT FOR TEST32

NOTE:

dP = PRESSURE DIFFERENCE ACROSS THE WALL.
dPw = EXTERNAL PRESSURE WRT REFERENCE PRESSURE.
Cp = PRESSURE COEFFICIENT BASED ON dP.
Cpw = PRESSURE COEFFICIENT BASED ON dPw.

	dP (Pa)	Cp	dPw (Pa)	Cpw
At N31 ...	-60.72	-.6547	-90.60	-.9763
At N32 ...	-61.55	-.6636	-91.43	-.9857
At N33 ...	-65.87	-.7101	-95.74	-1.0322
At N21 ...	-54.36	-.5861	-84.23	-.9082
At N22 ...	-57.94	-.6247	-87.82	-.9468
At N23 ...	-64.82	-.6988	-94.69	-1.0209
At N11 ...	-43.20	-.4658	-73.07	-.7679
At N12 ...	-47.75	-.5148	-77.62	-.8369
At N13 ...	-55.52	-.5986	-85.39	-.9207
Average...	-56.86	-.6130	-86.73	-.9351
At E31 ...	107.34	1.1573	77.47	.9352
At E32 ...	88.30	.9520	58.42	.6299
At E33 ...	69.50	.7493	39.63	.4273
At E21 ...	117.39	1.2657	87.52	.9436
At E22 ...	93.90	1.0124	64.03	.6903
At E23 ...	67.28	.7254	37.41	.4033
At E11 ...	103.48	1.1157	73.61	.7936
At E12 ...	86.01	.9273	56.13	.6052
At E13 ...	60.02	.6471	30.15	.3250
Average...	88.14	.9502	58.26	.6282
At S31 ...	8.65	.0933	-21.22	-.2289
At S32 ...	28.17	.3037	-1.70	-.0184
At S33 ...	30.86	.3327	.99	.0107
At S21 ...	12.86	.1387	-17.01	-.1834
At S22 ...	37.25	.4017	7.38	.0796
At S23 ...	53.50	.5768	23.63	.2547
At S11 ...	28.66	.3091	-1.21	-.0130
At S12 ...	41.25	.4448	11.38	.1227
At S13 ...	58.31	.6287	28.44	.3066
Average...	33.28	.3598	3.41	.0367
At W31 ...	-57.61	-.6211	-87.48	-.9432
At W32 ...	-50.84	-.5481	-80.71	-.8702
At W33 ...	-48.69	-.5249	-78.56	-.8470
At W21 ...	-53.45	-.5763	-83.32	-.8983
At W22 ...	-49.69	-.5357	-79.56	-.8578
At W23 ...	-47.56	-.5128	-77.44	-.8349
At W11 ...	-36.59	-.3945	-66.46	-.7166
At W12 ...	-36.66	-.3953	-66.53	-.7173
At W13 ...	-34.88	-.3760	-64.75	-.6981
Average...	-46.22	-.4983	-76.09	-.8204

Internal pressure (I4) is: -30.29 Pa.
Internal pressure (I3) is: -29.85 Pa.
Internal pressure (I2) is: -29.38 Pa.
Internal pressure (I1) is: -29.98 Pa.
Average internal pressure is: -29.87 Pa.

Temperature inside is: 23.00 Degree C.
Temperature outside is: 23.14 Degree C.

Wind velocity of wind tunnel is: 12.47 m/s.

Mechanical ventilation flow rate is: 0.00 cfm.

Wind angle is: 120 Degree.

Type of flow is: UNIFORM

Location of opening: ALL OPEN#/ 10 SECONDS

PRESSURE AND PRESSURE COEFFICIENT FOR TEST33

NOTE:

dP = PRESSURE DIFFERENCE ACROSS THE WALL.
dPw = EXTERNAL PRESSURE WRT REFERENCE PRESSURE.
Cp = PRESSURE COEFFICIENT BASED ON dP.
Cpw = PRESSURE COEFFICIENT BASED ON dPw.

	dP (Pa)	Cp	dPw (Pa)	Cpw
At N31 ...	-49.64	-.5325	-80.77	-.8665
At N32 ...	-53.00	-.5686	-84.14	-.9026
At N33 ...	-58.46	-.6272	-89.60	-.9612
At N21 ...	-48.75	-.5229	-79.89	-.8570
At N22 ...	-50.99	-.5470	-82.13	-.8810
At N23 ...	-53.07	-.5693	-84.21	-.9034
At N11 ...	-36.11	-.3874	-67.25	-.7214
At N12 ...	-37.63	-.4036	-68.76	-.7377
At N13 ...	-36.33	-.3897	-67.47	-.7238
Average...	-47.11	-.5054	-78.25	-.8394
At E31 ...	49.49	.5309	18.35	.1969
At E32 ...	26.15	.2805	-4.99	-.0535
At E33 ...	13.12	.1407	-19.02	-.1933
At E21 ...	46.42	.4980	15.28	.1640
At E22 ...	34.14	.3662	3.00	.0322
At E23 ...	8.44	.0905	-22.70	-.2435
At E11 ...	6.08	.0652	-25.06	-.2698
At E12 ...	39.25	.4211	8.11	.0871
At E13 ...	11.27	.1209	-19.87	-.2131
Average...	26.04	.2793	-5.10	-.0547
At S31 ...	65.70	.7048	34.56	.3707
At S32 ...	90.02	.9657	58.38	.6316
At S33 ...	104.77	1.1239	73.64	.7899
At S21 ...	76.34	.8189	45.20	.4849
At S22 ...	102.99	1.1048	71.85	.7708
At S23 ...	116.67	1.2516	85.54	.9176
At S11 ...	88.38	.9535	57.75	.6195
At S12 ...	109.24	1.1783	79.71	.8443
At S13 ...	122.62	1.3155	91.49	.9814
Average...	97.54	1.0463	66.40	.7123
At W31 ...	-63.75	-.6839	-94.89	-1.0179
At W32 ...	-60.47	-.6487	-91.60	-.9827
At W33 ...	-58.32	-.6256	-89.46	-.9597
At W21 ...	-63.24	-.6784	-94.38	-1.0124
At W22 ...	-56.41	-.6051	-87.54	-.9391
At W23 ...	-51.96	-.5574	-83.10	-.8914
At W11 ...	-52.48	-.5630	-83.62	-.8970
At W12 ...	-46.57	-.4996	-77.71	-.8336
At W13 ...	-40.41	-.4335	-71.55	-.7676
Average...	-54.65	-.5884	-85.98	-.9224

Internal pressure (I4) is: -31.09 Pa.
Internal pressure (I3) is: -30.94 Pa.
Internal pressure (I2) is: -31.45 Pa.
Internal pressure (I1) is: -31.06 Pa.
Average internal pressure is: -31.14 Pa.

Temperature inside is: 23.04 Degree C.
Temperature outside is: 23.16 Degree C.

Wind velocity of wind tunnel is: 12.50 m/s.

Mechanical ventilation flow rate is: 0.00 cfm.

Wind angle is: 150 Degree.

Type of flow is: UNIFORM

Location of opening: ALL OPEN / 10 SECONDS

PRESSURE AND PRESSURE COEFFICIENT FOR TEST34

NOTE:

dP = PRESSURE DIFFERENCE ACROSS THE WALL.
dPw = EXTERNAL PRESSURE WRT REFERENCE PRESSURE.
Cp = PRESSURE COEFFICIENT BASED ON dP.
Cpw = PRESSURE COEFFICIENT BASED ON dPw.

	dP (Pa)	Cp	dPw (Pa)	Cpw
At N31 ...	-19.04	-.2036	-81.59	-.8724
At N32 ...	-17.65	-.1887	-80.20	-.8575
At N33 ...	-19.99	-.2137	-82.54	-.8825
At N21 ...	-8.63	-.0928	-71.23	-.7616
At N22 ...	-6.41	-.0686	-68.96	-.7374
At N23 ...	-9.00	-.0962	-71.55	-.7650
At N11 ...	.44	.0047	-62.11	-.6641
At N12 ...	2.27	.0243	-60.28	-.6445
At N13 ...	1.32	.0141	-61.23	-.6547
Average...	-8.53	-.0912	-71.08	-.7600
At E31 ...	-32.72	-.3499	-95.27	-1.0137
At E32 ...	-36.17	-.4082	-100.72	-1.0770
At E33 ...	-36.61	-.3915	-99.16	-1.0603
At E21 ...	-35.04	-.3747	-97.59	-1.0435
At E22 ...	-42.72	-.4568	-105.27	-1.1256
At E23 ...	-39.32	-.4205	-101.87	-1.0893
At E11 ...	-36.91	-.3947	-99.46	-1.0635
At E12 ...	-44.80	-.4790	-107.35	-1.1478
At E13 ...	-37.34	-.3992	-99.89	-1.0680
Average...	-38.18	-.4083	-100.73	-1.0771
At S31 ...	136.41	1.4585	73.86	.7897
At S32 ...	143.79	1.5374	81.24	.8686
At S33 ...	139.63	1.4929	77.08	.8241
At S21 ...	145.42	1.5549	82.87	.8861
At S22 ...	153.62	1.6425	91.07	.9737
At S23 ...	142.43	1.5229	79.88	.8541
At S11 ...	151.73	1.6223	89.18	.9535
At S12 ...	153.27	1.6388	90.72	.9700
At S13 ...	137.19	1.4668	74.64	.7980
Average...	144.83	1.5436	82.28	.8798
At W31 ...	-33.85	-.3619	-96.40	-1.0307
At W32 ...	-33.41	-.3572	-95.96	-1.0260
At W33 ...	-29.29	-.3131	-91.84	-.9819
At W21 ...	-42.34	-.4527	-104.89	-1.1215
At W22 ...	-39.52	-.4226	-102.07	-1.0914
At W23 ...	-34.28	-.3665	-96.83	-1.0353
At W11 ...	-46.76	-.4999	-109.31	-1.1687
At W12 ...	-56.28	-.6018	-118.83	-1.2706
At W13 ...	-55.73	-.5959	-118.28	-1.2647
Average...	-41.27	-.4413	-103.82	-1.1101

Internal pressure (I4) is: -62.36 Pa.
Internal pressure (I3) is: -62.64 Pa.
Internal pressure (I2) is: -62.48 Pa.
Internal pressure (I1) is: -62.72 Pa.
Average internal pressure is: -62.55 Pa.

Temperature inside is: 23.05 Degree C.
Temperature outside is: 23.13 Degree C.

Wind velocity of wind tunnel is: 12.53 m/s.

Mechanical ventilation flow rate is: 0.00 cfh.

Wind angle is: 180 Degree.

Type of flow is: UNIFORM

Location of opening: ALL OPEN / 10 SECONDS

PRESSURE AND PRESSURE COEFFICIENT FOR TEST35

NOTE:

dP = PRESSURE DIFFERENCE ACROSS THE WALL.
dPw = EXTERNAL PRESSURE WRT REFERENCE PRESSURE.
Cp = PRESSURE COEFFICIENT BASED ON dP.
Cpw = PRESSURE COEFFICIENT BASED ON dPw.

	dP (Pa)	Cp	dPw (Pa)	Cpw
	-----	--	-----	---
At N31 ...	-60.09	-.6414	-89.51	-.9554
At N32 ...	-52.05	-.5555	-81.47	-.8696
At N33 ...	-49.41	-.5274	-78.83	-.8415
At N21 ...	-55.99	-.5977	-85.41	-.9117
At N22 ...	-51.83	-.5532	-81.25	-.8672
At N23 ...	-49.32	-.5265	-78.74	-.8405
At N11 ...	-37.83	-.4033	-67.25	-.7179
At N12 ...	-36.94	-.3943	-66.36	-.7083
At N13 ...	-34.99	-.3735	-64.41	-.6875
Average...	-47.61	-.5082	-77.03	-.8222
At E31 ...	-59.67	-.6370	-89.09	-.9510
At E32 ...	-62.03	-.6621	-91.45	-.9762
At E33 ...	-64.80	-.6917	-94.22	-1.0057
At E21 ...	-53.07	-.5665	-82.49	-.8805
At E22 ...	-58.09	-.6201	-87.51	-.9341
At E23 ...	-64.95	-.6933	-94.37	-1.0073
At E11 ...	-42.91	-.4580	-72.33	-.7721
At E12 ...	-48.57	-.5184	-77.99	-.8325
At E13 ...	-57.13	-.6099	-86.55	-.9239
Average...	-56.80	-.6063	-86.22	-.9204
At S31 ...	105.47	1.1258	76.05	.8118
At S32 ...	89.88	.9595	60.46	.6454
At S33 ...	65.39	.6980	35.97	.3839
At S21 ...	111.82	1.1936	82.40	.9795
At S22 ...	96.36	1.0296	66.94	.7146
At S23 ...	68.52	.7314	39.10	.4173
At S11 ...	105.61	1.1274	76.19	.8133
At S12 ...	83.29	.8891	53.87	.5750
At S13 ...	61.86	.6603	32.44	.3463
Average...	87.58	.9348	58.16	.6208
At W31 ...	12.51	.1336	-16.91	-.1805
At W32 ...	30.38	.3242	.96	.0102
At W33 ...	17.71	.1890	-11.71	-.1250
At W21 ...	10.22	.1091	-19.20	-.2049
At W22 ...	37.89	.4044	8.47	.0904
At W23 ...	55.22	.5894	25.80	.2754
At W11 ...	23.75	.2535	-5.68	-.0606
At W12 ...	46.53	.4967	17.11	.1827
At W13 ...	63.51	.6780	34.09	.3639
Average...	33.08	.3531	3.66	.0391

Internal pressure (I4) is: -29.48 Pa.
Internal pressure (I3) is: -29.32 Pa.
Internal pressure (I2) is: -29.54 Pa.
Internal pressure (I1) is: -29.34 Pa.
Average internal pressure is: -29.42 Pa.

Temperature inside is: 21.80 Degree C.
Temperature outside is: 21.97 Degree C.

Wind velocity of wind tunnel is: 12.51 m/s.

Mechanical ventilation flow rate is: 0.00 cfm.

Wind angle is: 210 Degree.

Type of flow is: UNIFORM

Location of opening: ALL OPEN / 10 SECONDS

PRESSURE AND PRESSURE COEFFICIENT FOR TEST36

NOTE:

dP = PRESSURE DIFFERENCE ACROSS THE WALL.
dPw = EXTERNAL PRESSURE WRT REFERENCE PRESSURE:
Cp = PRESSURE COEFFICIENT BASED ON dP.
Cpw = PRESSURE COEFFICIENT BASED ON dPw.

	dP (Pa)	Cp	dPw (Pa)	Cpw
At N31 ...	-67.47	-.7179	-97.72	-1.0398
At N32 ...	-62.57	-.6657	-92.82	-.9876
At N33 ...	-59.94	-.6368	-90.10	-.9587
At N21 ...	-63.96	-.6806	-94.21	-1.0025
At N22 ...	-57.81	-.6151	-88.06	-.9370
At N23 ...	-54.03	-.5749	-84.28	-.8968
At N11 ...	-53.55	-.5698	-83.80	-.8917
At N12 ...	-47.14	-.5016	-77.39	-.8235
At N13 ...	-40.62	-.4322	-70.87	-.7541
Average...	-56.33	-.5994	-86.59	-.9213
At E31 ...	-50.63	-.5387	-80.88	-.8606
At E32 ...	-54.97	-.5849	-85.22	-.9068
At E33 ...	-59.47	-.6328	-89.72	-.9547
At E21 ...	-47.61	-.5066	-77.87	-.8285
At E22 ...	-52.55	-.5592	-82.81	-.8811
At E23 ...	-54.54	-.5803	-84.79	-.9022
At E11 ...	-35.30	-.3756	-65.55	-.6975
At E12 ...	-37.73	-.4014	-67.98	-.7233
At E13 ...	-38.83	-.4131	-69.08	-.7350
Average...	-47.96	-.5103	-73.21	-.8322
At S31 ...	47.15	.5017	16.90	.1798
At S32 ...	32.14	.3420	1.89	.0201
At S33 ...	6.41	.0682	-23.84	-.2537
At S21 ...	48.03	.5110	17.77	.1891
At S22 ...	37.72	.4013	7.47	.0794
At S23 ...	10.10	.1074	-20.16	-.2145
At S11 ...	5.33	.0568	-24.92	-.2651
At S12 ...	34.50	.3671	4.25	.0452
At S13 ...	10.23	.1089	-20.02	-.2130
Average...	25.73	.2738	-4.52	-.0481
At W31 ...	66.89	.7117	36.64	.3898
At W32 ...	90.90	.9662	60.55	.6443
At W33 ...	106.55	1.1338	76.30	.8119
At W21 ...	75.65	.8049	45.40	.4830
At W22 ...	102.37	1.0892	72.12	.7673
At W23 ...	118.76	1.2636	98.51	.9417
At W11 ...	86.11	.9162	55.86	.5944
At W12 ...	111.65	1.1880	81.40	.8661
At W13 ...	124.45	1.3242	94.20	1.0023
Average...	98.14	1.0442	67.89	.7223

Internal pressure (I4) is: -30.14 Pa.
Internal pressure (I3) is: -29.75 Pa.
Internal pressure (I2) is: -30.71 Pa.
Internal pressure (I1) is: -30.40 Pa.
Average internal pressure is: -30.25 Pa.

Temperature inside is: 22.09 Degree C.
Temperature outside is: 22.07 Degree C.

Wind velocity of wind tunnel is: 12.54 m/s.

Mechanical ventilation flow rate is: 0.00 cfm.

Wind angle is: 240 Degree.

Type of flow is: UNIFORM

Location of opening: ALL OPEN / 10 SECONDS

PRESSURE AND PRESSURE COEFFICIENT FOR TEST 37

NOTE:

dP = PRESSURE DIFFERENCE ACROSS THE WALL.
dPw = EXTERNAL PRESSURE WRT REFERENCE PRESSURE.
Cp = PRESSURE COEFFICIENT BASED ON dP.
Cpw = PRESSURE COEFFICIENT BASED ON dPw.

	dP (Pa)	Cp	dPw (Pa)	Cpw
	-----	--	-----	---
At N31 ...	-34.14	-.3658	-95.94	-1.0280
At N32 ...	-32.86	-.3521	-94.66	-1.0143
At N33 ...	-32.33	-.3518	-94.63	-1.0139
At N21 ...	-47.83	-.5125	-109.63	-1.1747
At N22 ...	-43.21	-.4631	-105.01	-1.1252
At N23 ...	-35.80	-.3836	-97.60	-1.0458
At N11 ...	-45.18	-.4841	-106.97	-1.1463
At N12 ...	-58.68	-.6288	-120.48	-1.2910
At N13 ...	-54.75	-.5867	-116.54	-1.2488
Average...	-42.31	-.4587	-104.61	-1.1209
At E31 ...	-15.88	-.1702	-77.68	-.8324
At E32 ...	-13.87	-.1487	-75.67	-.8108
At E33 ...	-16.61	-.1780	-78.40	-.8401
At E21 ...	-3.87	-.0414	-65.66	-.7036
At E22 ...	-2.99	-.0309	-64.68	-.6931
At E23 ...	-5.89	-.0631	-67.68	-.7252
At E11 ...	1.26	.0135	-60.54	-.6487
At E12 ...	1.91	.0204	-59.89	-.6417
At E13 ...	1.10	.0118	-60.69	-.6503
Average...	-6.08	-.0652	-67.88	-.7273
At S31 ...	-36.55	-.3916	-98.34	-1.0538
At S32 ...	-37.54	-.4023	-99.34	-1.0644
At S33 ...	-37.92	-.4063	-99.72	-1.0635
At S21 ...	-33.13	-.3550	-94.92	-1.0171
At S22 ...	-40.35	-.4324	-102.14	-1.0945
At S23 ...	-41.59	-.4457	-103.39	-1.1078
At S11 ...	-40.68	-.4359	-102.47	-1.0980
At S12 ...	-48.47	-.5194	-110.27	-1.1815
At S13 ...	-40.34	-.4322	-102.13	-1.0944
Average...	-39.62	-.4245	-101.41	-1.0867
At W31 ...	137.13	1.4633	75.33	.8072
At W32 ...	143.58	1.5385	81.79	.8764
At W33 ...	136.77	1.4656	74.98	.8034
At W21 ...	148.30	1.5891	86.51	.9269
At W22 ...	154.51	1.6556	92.71	.9934
At W23 ...	142.77	1.5298	80.97	.8676
At W11 ...	151.72	1.6257	89.92	.9636
At W12 ...	149.47	1.6016	87.67	.9394
At W13 ...	132.60	1.4208	70.80	.7587
Average...	144.09	1.5440	82.30	.8819

Internal pressure (I4) is: -62.20 Pa.
Internal pressure (I3) is: -61.09 Pa.
Internal pressure (I2) is: -62.41 Pa.
Internal pressure (I1) is: -61.48 Pa.
Average internal pressure is: -61.80 Pa.

Temperature inside is: 22.25 Degree C.
Temperature outside is: 22.31 Degree C.

Wind velocity of wind tunnel is: 12.49 m/s.

Mechanical ventilation flow rate is: 0.00 cfh.

Wind angle is: 270 Degree.

Type of flow is: UNIFORM

Location of opening: ALL OPEN / 10 SECONDS

PRESSURE AND PRESSURE COEFFICIENT FOR TEST 38

NOTE:

dP = PRESSURE DIFFERENCE ACROSS THE WALL.
dPw = EXTERNAL PRESSURE WRT REFERENCE PRESSURE.
Cp = PRESSURE COEFFICIENT BASED ON dP.
Cpw = PRESSURE COEFFICIENT BASED ON dPw.

	dP (Pa)	Cp	dPw (Pa)	Cpw
At N31 ...	-1.60	-.0173	-32.26	-.3475
At N32 ...	28.59	.5080	-2.07	-.0223
At N33 ...	26.99	.2908	-3.66	-.0395
At N21 ...	6.51	.0702	-24.14	-.2601
At N22 ...	33.41	.3599	2.76	.0297
At N23 ...	50.14	.5402	19.49	.2099
At N11 ...	18.58	.2002	-12.07	-.1301
At N12 ...	43.78	.4716	13.12	.1413
At N13 ...	60.53	.6521	29.88	.3219
Average...	29.66	.3195	-1.00	-.0107
At E31 ...	-55.12	-.5938	-85.77	-.9240
At E32 ...	-50.79	-.5472	-81.44	-.8774
At E33 ...	-47.11	-.5075	-77.77	-.8378
At E21 ...	-48.89	-.5268	-79.55	-.8570
At E22 ...	-47.52	-.5120	-78.18	-.8422
At E23 ...	-46.23	-.4960	-76.88	-.8293
At E11 ...	-33.79	-.3640	-64.45	-.6943
At E12 ...	-33.66	-.3627	-64.32	-.6929
At E13 ...	-33.70	-.3631	-64.35	-.6933
Average...	-44.09	-.4750	-74.75	-.8053
At S31 ...	-57.52	-.6197	-88.18	-.9500
At S32 ...	-60.49	-.6517	-91.15	-.9820
At S33 ...	-63.14	-.6802	-93.80	-1.0105
At S21 ...	-52.21	-.5625	-82.87	-.8928
At S22 ...	-55.62	-.5992	-86.27	-.9294
At S23 ...	-63.92	-.6886	-94.58	-1.0139
At S11 ...	-41.58	-.4479	-72.23	-.7782
At S12 ...	-47.90	-.5149	-78.45	-.8452
At S13 ...	-53.77	-.5793	-84.42	-.9095
Average...	-55.12	-.5938	-85.77	-.9240
At W31 ...	108.28	1.1665	77.62	.8362
At W32 ...	93.48	1.0070	62.82	.6768
At W33 ...	68.24	.7352	37.58	.4049
At W21 ...	112.90	1.2163	82.24	.8960
At W22 ...	95.98	1.0340	65.32	.7037
At W23 ...	70.17	.7560	39.52	.4257
At W11 ...	96.45	1.0391	65.79	.7088
At W12 ...	81.50	.8780	50.84	.5477
At W13 ...	66.84	.7201	36.19	.3899
Average...	88.20	.9502	57.55	.6200

Internal pressure (I4) is: -30.35 Pa.
Internal pressure (I3) is: -30.78 Pa.
Internal pressure (I2) is: -30.77 Pa.
Internal pressure (I1) is: -30.72 Pa.
Average internal pressure is: -30.66 Pa.

Temperature inside is: 22.38 Degree C.
Temperature outside is: 22.46 Degree C.

Wind velocity of wind tunnel is: 12.46 m/s.

Mechanical ventilation flow rate is: 0.00 cfm.

Wind angle is: 300 Degree.

Type of flow is: UNIFORM

Location of opening: ALL OPEN / 10 SECONDS

PRESSURE AND PRESSURE COEFFICIENT FOR TEST39

NOTE:

dP = PRESSURE DIFFERENCE ACROSS THE WALL.
dPw = EXTERNAL PRESSURE WRT REFERENCE PRESSURE.
Cp = PRESSURE COEFFICIENT BASED ON dP.
Cpw = PRESSURE COEFFICIENT BASED ON dPw.

	dP (Pa)	Cp	dPw (Pa)	Cpw
	-----	--	-----	---
At N31 ...	57.03	.6112	25.74	.2759
At N32 ...	88.92	.9531	57.64	.6178
At N33 ...	102.49	1.0984	71.20	.7632
At N21 ...	69.02	.7397	37.74	.4045
At N22 ...	101.15	1.0841	69.86	.7488
At N23 ...	116.73	1.2517	85.50	.9164
At N11 ...	85.75	.9191	54.47	.5838
At N12 ...	109.79	1.1767	78.51	.8415
At N13 ...	121.05	1.2974	89.76	.9621
Average...	94.66	1.0146	63.38	.6793
At E31 ...	-62.37	-.6685	-93.65	-1.0037
At E32 ...	-61.31	-.6571	-92.59	-.9924
At E33 ...	-57.26	-.6137	-88.54	-.9490
At E21 ...	-61.25	-.6565	-92.54	-.9913
At E22 ...	-56.39	-.6044	-87.67	-.9396
At E23 ...	-51.97	-.5570	-83.26	-.8923
At E11 ...	-50.63	-.5427	-81.92	-.8780
At E12 ...	-45.14	-.4838	-76.42	-.8191
At E13 ...	-39.05	-.4185	-70.33	-.7538
Average...	-53.93	-.5780	-85.21	-.9133
At S31 ...	-48.13	-.5159	-79.41	-.8511
At S32 ...	-49.96	-.5355	-81.25	-.8708
At S33 ...	-54.92	-.5896	-86.20	-.9239
At S21 ...	-45.40	-.4866	-76.69	-.8219
At S22 ...	-49.41	-.5183	-79.69	-.8541
At S23 ...	-52.47	-.5624	-83.76	-.8977
At S11 ...	-33.75	-.3618	-65.03	-.6970
At S12 ...	-36.93	-.3958	-68.21	-.7311
At S13 ...	-36.58	-.3920	-67.86	-.7273
Average...	-45.17	-.4842	-76.46	-.8194
At W31 ...	50.80	.5445	19.52	.2092
At W32 ...	31.23	.3347	- .05	-.0006
At W33 ...	12.04	.1291	-19.24	-.2062
At W21 ...	52.16	.5590	20.87	.2237
At W22 ...	39.09	.4189	7.80	.0836
At W23 ...	12.72	.1363	-18.56	-.1990
At W11 ...	13.78	.1477	-17.51	-.1876
At W12 ...	35.68	.3824	4.40	.0472
At W13 ...	20.85	.2234	-10.43	-.1118
Average...	29.82	.3196	-1.47	-.0157

Internal pressure (I4) is: -31.80 Pa.
Internal pressure (I3) is: -30.92 Pa.
Internal pressure (I2) is: -31.53 Pa.
Internal pressure (I1) is: -30.83 Pa.
Average internal pressure is: -31.28 Pa.

Temperature inside is: 22.62 Degree C.
Temperature outside is: 22.65 Degree C.

Wind velocity of wind tunnel is: 12.50 m/s.

Mechanical ventilation flow rate is: 0.00 cfh.

Wind angle is: 330 Degree.

Type of flow is: UNIFORM

Location of opening: ALL OPEN / 10 SECONDS

PRESSURE AND PRESSURE COEFFICIENT-FCR,TEST40

NOTE:

dP = PRESSURE DIFFERENCE ACROSS THE WALL.
dPw = EXTERNAL PRESSURE WRT REFERENCE PRESSURE.
Cp = PRESSURE COEFFICIENT BASED ON dP.
Cpw = PRESSURE COEFFICIENT BASED ON dPw.

	dP (Pa)	Cp	dPw (Pa)	Cpw
At N31 ...	23.21	1.5670	11.26	.7607
At N32 ...	24.63	1.6632	12.69	.8569
At N33 ...	24.40	1.6479	12.46	.8416
At N21 ...	24.48	1.6533	12.54	.8469
At N22 ...	25.94	1.7518	14.00	.9455
At N23 ...	24.50	1.6543	12.56	.8480
At N11 ...	25.66	1.7330	13.72	.9267
At N12 ...	26.21	1.7700	14.27	.9636
At N13 ...	24.20	1.6340	12.26	.8277
Average...	24.80	1.6749	12.86	.8686
At E31 ...	-6.03	-.4074	-17.97	-1.2137
At E32 ...	-6.05	-.4083	-17.99	-1.2146
At E33 ...	-5.71	-.3856	-17.65	-1.1919
At E21 ...	-6.43	-.4340	-18.37	-1.2404
At E22 ...	-6.39	-.4315	-18.33	-1.2376
At E23 ...	-5.98	-.4040	-17.92	-1.2103
At E11 ...	-7.59	-.5126	-19.53	-1.3189
At E12 ...	-8.81	-.5947	-20.75	-1.4010
At E13 ...	-9.32	-.6293	-21.26	-1.4356
Average...	-6.92	-.4675	-18.86	-1.2733
At S31 ...	-4.04	-.2729	-15.98	-1.0792
At S32 ...	-4.14	-.2799	-16.08	-1.0862
At S33 ...	-4.52	-.3050	-16.46	-1.1113
At S21 ...	-2.22	-.1499	-14.16	-.9562
At S22 ...	-2.44	-.1648	-14.38	-.9711
At S23 ...	-3.32	-.2239	-15.26	-1.0303
At S11 ...	-.34	-.0228	-12.28	-.8291
At S12 ...	-.41	-.0279	-12.35	-.8342
At S13 ...	-.69	-.0466	-12.63	-.8529
Average...	-2.46	-.1660	-14.40	-.9723
At W31 ...	-5.85	-.3952	-17.79	-1.2015
At W32 ...	-6.53	-.4410	-18.47	-1.2473
At W33 ...	-5.62	-.3796	-17.56	-1.1859
At W21 ...	-5.87	-.3967	-17.81	-1.2030
At W22 ...	-6.01	-.4056	-17.95	-1.2119
At W23 ...	-7.09	-.4785	-19.03	-1.2848
At W11 ...	-5.80	-.3918	-17.74	-1.1981
At W12 ...	-6.66	-.4499	-18.60	-1.2562
At W13 ...	-6.04	-.4080	-17.98	-1.2143
Average...	-6.16	-.4163	-18.10	-1.2226

Internal pressure (I4) is: -12.04 Pa.
Internal pressure (I3) is: -12.08 Pa.
Internal pressure (I2) is: -11.91 Pa.
Internal pressure (I1) is: -11.73 Pa.
Average internal pressure is: -11.94 Pa.

Temperature inside is: 22.97 Degree C.
Temperature outside is: 23.15 Degree C.

Wind velocity of wind tunnel is: 4.98 m/s.

Mechanical ventilation flow rate is: 0.00 cfm.

Wind angle is: 0 Degree.

Type of flow is: UNIFORM

Location of opening: ALL OPEN / 10 SECONDS

PRESSURE AND PRESSURE COEFFICIENT FOR TEST41

NOTE:

dP = PRESSURE DIFFERENCE ACROSS THE WALL.
dPw = EXTERNAL PRESSURE WRT REFERENCE PRESSURE.
Cp = PRESSURE COEFFICIENT BASED ON dP.
Cpw = PRESSURE COEFFICIENT BASED ON dPw.

	dP (Pa)	Cp	dPw (Pa)	Cpw
	-----	--	-----	---
At N31 ...	23.06	1.5550	12.43	.3379
At N32 ...	23.50	1.5843	12.86	.8672
At N33 ...	21.81	1.4704	11.17	.7533
At N21 ...	24.23	1.6334	13.59	.9163
At N22 ...	24.68	1.6640	14.04	.9469
At N23 ...	22.17	1.4951	11.54	.7760
At N11 ...	24.51	1.6524	13.87	.9353
At N12 ...	24.02	1.6193	13.38	.9022
At N13 ...	21.39	1.4419	10.75	.7248
Average...	23.26	1.5684	12.63	.8513
At E31 ...	-7.12	-.4801	-17.76	-1.1972
At E32 ...	-9.92	-.6691	-20.56	-1.3862
At E33 ...	-10.90	-.7349	-21.53	-1.4520
At E21 ...	-8.59	-.5794	-19.23	-1.2965
At E22 ...	-10.44	-.7040	-21.08	-1.4211
At E23 ...	-10.72	-.7231	-21.36	-1.4402
At E11 ...	1.58	.1065	-9.06	-.6106
At E12 ...	-12.60	-.8497	-23.24	-1.5668
At E13 ...	-14.67	-.9893	-25.31	-1.7064
Average...	-9.27	-.6248	-19.90	-1.3419
At S31 ...	-3.97	-.2679	-14.61	-.9850
At S32 ...	-3.63	-.2447	-14.27	-.9618
At S33 ...	-3.20	-.2157	-13.83	-.9328
At S21 ...	-1.97	-.1328	-12.61	-.8499
At S22 ...	-2.32	-.1561	-12.95	-.8732
At S23 ...	-2.12	-.1427	-12.75	-.8598
At S11 ...	-.60	-.0407	-11.24	-.7578
At S12 ...	-.45	-.0300	-11.08	-.7471
At S13 ...	-.23	-.0154	-10.86	-.7325
Average...	-2.05	-.1385	-12.69	-.8556
At W31 ...	-4.16	-.2802	-14.79	-.9973
At W32 ...	-4.42	-.2981	-15.06	-1.0152
At W33 ...	-4.84	-.3265	-15.48	-1.0436
At W21 ...	-3.45	-.2329	-14.09	-.9500
At W22 ...	-3.81	-.2567	-14.44	-.9738
At W23 ...	-4.60	-.3104	-15.24	-1.0275
At W11 ...	-3.21	-.2164	-13.85	-.9335
At W12 ...	-3.74	-.2522	-14.38	-.9693
At W13 ...	-4.40	-.2964	-15.03	-1.0135
Average...	-4.07	-.2744	-14.71	-.9915

Internal pressure (I4) is: -10.54 Pa.
Internal pressure (I3) is: -10.79 Pa.
Internal pressure (I2) is: -10.58 Pa.
Internal pressure (I1) is: -10.63 Pa.
Average internal pressure is: -10.64 Pa.

Temperature inside is: 22.90 Degree C.
Temperature outside is: 23.03 Degree C.

Wind velocity of wind tunnel is: 4.99 m/s.

Mechanical ventilation flow rate is: 0.00 cfh.

Wind angle is: 10 Degree.

Type of flow is: UNIFORM

Location of opening: ALL OPEN / 10 SECONDS

PRESSURE AND PRESSURE COEFFICIENT FOR TEST42

NOTE:

dP = PRESSURE DIFFERENCE ACROSS THE WALL.
dPw = EXTERNAL PRESSURE WRT REFERENCE PRESSURE.
Cp = PRESSURE COEFFICIENT BASED ON dP.
Cpw = PRESSURE COEFFICIENT BASED ON dPw.

	dP (Pa)	Cp	dPw (Pa)	Cpw
At N31 ...	21.53	1.4467	13.09	.8794
At N32 ...	20.60	1.3840	12.16	.8167
At N33 ...	17.51	1.1768	9.07	.6095
At N21 ...	22.83	1.5373	14.44	.9700
At N22 ...	21.73	1.4603	13.29	.8931
At N23 ...	17.89	1.2024	9.45	.6351
At N11 ...	22.57	1.5163	14.12	.9490
At N12 ...	19.96	1.3411	11.52	.7738
At N13 ...	16.74	1.1251	8.30	.5578
Average...	20.16	1.3544	11.71	.7871
At E31 ...	1.26	.0848	-7.18	-.4825
At E32 ...	-2.48	-.1669	-10.93	-.7342
At E33 ...	-7.34	-.5266	-16.28	-1.0939
At E21 ...	3.18	.2136	-5.26	-.3537
At E22 ...	2.81	.1891	-5.63	-.3762
At E23 ...	-10.70	-.7190	-19.14	-1.2863
At E11 ...	3.40	.2286	-5.04	-.3387
At E12 ...	6.42	.4311	-2.03	-.1362
At E13 ...	-3.79	-.2548	-12.24	-.8221
Average...	-.86	-.0578	-9.30	-.6251
At S31 ...	-6.61	-.4439	-15.05	-1.0112
At S32 ...	-5.73	-.3852	-14.18	-.9525
At S33 ...	-5.38	-.3615	-13.82	-.9268
At S21 ...	-5.69	-.3822	-14.13	-.9495
At S22 ...	-5.20	-.3497	-13.65	-.9170
At S23 ...	-4.92	-.3306	-13.36	-.8979
At S11 ...	-3.09	-.2077	-11.53	-.7750
At S12 ...	-3.18	-.2139	-11.63	-.7812
At S13 ...	-2.80	-.1878	-11.24	-.7551
Average...	-4.73	-.3181	-13.18	-.8854
At W31 ...	-7.17	-.4816	-15.61	-1.0489
At W32 ...	-7.23	-.4856	-15.67	-1.0529
At W33 ...	-7.74	-.5204	-16.19	-1.0876
At W21 ...	-6.27	-.4216	-14.72	-.9889
At W22 ...	-6.82	-.4584	-15.27	-1.0257
At W23 ...	-7.97	-.5352	-16.41	-1.1025
At W11 ...	-4.75	-.3194	-13.20	-.8667
At W12 ...	-5.56	-.3738	-14.01	-.9411
At W13 ...	-7.47	-.5018	-15.91	-1.0691
Average...	-6.78	-.4553	-15.22	-1.0226

Internal pressure (I4) is: -8.48 Pa.
Internal pressure (I3) is: -8.39 Pa.
Internal pressure (I2) is: -8.46 Pa.
Internal pressure (I1) is: -8.44 Pa.
Average internal pressure is: -8.44 Pa.

Temperature inside is: 22.90 Degree C.
Temperature outside is: 23.10 Degree C.

Wind velocity of wind tunnel is: 5.00 m/s.

Mechanical ventilation flow rate is: 0.00 cfm.

Wind angle is: 20 Degree.

Type of flow is: UNIFORM

Location of opening: ALL OPEN / 10 SECONDS

PRESSURE AND PRESSURE COEFFICIENT FOR TEST43

NOTE:

dP = PRESSURE DIFFERENCE ACROSS THE WALL.
dPw = EXTERNAL PRESSURE WRT REFERENCE PRESSURE.
Cp = PRESSURE COEFFICIENT BASED ON dP.
Cpw = PRESSURE COEFFICIENT BASED ON dPw.

	dP (Pa)	Cp	dPw (Pa)	Cpw
At N31 ...	18.58	1.2507	12.05	.8114
At N32 ...	16.45	1.1074	9.92	.6681
At N33 ...	11.78	.7929	5.25	.3536
At N21 ...	19.73	1.3285	13.21	.8392
At N22 ...	17.49	1.1772	10.36	.7379
At N23 ...	12.71	.8558	6.19	.4165
At N11 ...	18.79	1.2653	12.27	.8260
At N12 ...	16.29	1.0967	9.76	.6574
At N13 ...	11.79	.7938	5.27	.3545
Average...	15.96	1.0743	9.43	.6350
At E31 ...	2.21	.1489	-4.31	-.2904
At E32 ...	5.05	.3401	-1.47	-.0992
At E33 ...	4.36	.2934	-2.17	-.1459
At E21 ...	3.07	.2066	-3.46	-.2327
At E22 ...	6.06	.4080	-.47	-.0313
At E23 ...	8.11	.5458	1.58	.1065
At E11 ...	4.36	.2938	-2.16	-.1455
At E12 ...	7.77	.5233	1.25	.0840
At E13 ...	10.25	.6899	3.72	.2506
Average...	5.69	.3833	-.83	-.0560
At S31 ...	-9.92	-.6611	-16.34	-1.1004
At S32 ...	-8.76	-.5395	-15.28	-1.0288
At S33 ...	-8.21	-.5525	-14.73	-.9918
At S21 ...	-8.94	-.6021	-15.47	-1.0414
At S22 ...	-8.11	-.5462	-14.64	-.9856
At S23 ...	-7.76	-.5226	-14.29	-.9619
At S11 ...	-6.17	-.4157	-12.70	-.8550
At S12 ...	-6.29	-.4236	-12.82	-.8629
At S13 ...	-5.97	-.4019	-12.50	-.8412
Average...	-7.78	-.5239	-14.31	-.9632
At W31 ...	-9.72	-.6543	-16.24	-1.0936
At W32 ...	-9.99	-.6725	-16.51	-1.1118
At W33 ...	-10.92	-.7354	-17.45	-1.1747
At W21 ...	-8.74	-.5886	-15.27	-1.0279
At W22 ...	-9.38	-.6318	-15.31	-1.0711
At W23 ...	-10.36	-.6977	-16.39	-1.1371
At W11 ...	-7.13	-.4801	-13.66	-.9194
At W12 ...	-8.02	-.5399	-14.54	-.9792
At W13 ...	-9.31	-.6270	-15.84	-1.0663
Average...	-9.29	-.6253	-15.81	-1.0646

Internal pressure (I4) is: -6.68 Pa.
Internal pressure (I3) is: -6.54 Pa.
Internal pressure (I2) is: -6.42 Pa.
Internal pressure (I1) is: -6.46 Pa.
Average internal pressure is: -6.53 Pa.

Temperature inside is: 23.01 Degree C.
Temperature outside is: 23.05 Degree C.

Wind velocity of wind tunnel is: 4.99 m/s.

Mechanical ventilation flow rate is: 0.00 cfh.

Wind angle is: 30 Degree.

Type of flow is: UNIFORM

Location of opening: ALL OPEN / 10 SECONDS

PRESSURE AND PRESSURE COEFFICIENT FOR TEST 44

NOTE:

dP = PRESSURE DIFFERENCE ACROSS THE WALL.
dPw = EXTERNAL PRESSURE WRT REFERENCE PRESSURE.
Cp = PRESSURE COEFFICIENT BASED ON dP.
Cpw = PRESSURE COEFFICIENT BASED ON dPw.

	dP (Pa)	Cp	dPw (Pa)	Cpw
At N31 ...	15.98	1.0748	9.99	.6718
At N32 ...	12.50	.8409	6.51	.4378
At N33 ...	7.29	.4907	1.30	.0876
At N21 ...	16.81	1.1309	10.82	.7278
At N22 ...	13.72	.9227	7.73	.5196
At N23 ...	8.72	.5866	2.73	.1836
At N11 ...	15.57	1.0473	9.58	.6443
At N12 ...	12.30	.8274	6.31	.4243
At N13 ...	8.32	.5594	2.32	.1563
Average...	12.36	.8312	6.36	.4281
At E31 ...	4.70	.3160	-1.29	-.0871
At E32 ...	8.29	.5577	2.30	.1546
At E33 ...	11.49	.7730	5.50	.3699
At E21 ...	5.76	.3877	-.23	-.0153
At E22 ...	10.07	.6775	4.08	.2744
At E23 ...	13.04	.8770	7.04	.4739
At E11 ...	7.49	.5042	1.50	.1011
At E12 ...	11.70	.7867	5.70	.3836
At E13 ...	14.95	1.0055	8.96	.6024
Average...	9.72	.6539	3.73	.2508
At S31 ...	-10.51	-.7067	-16.50	-1.1098
At S32 ...	-9.95	-.6696	-15.95	-1.0727
At S33 ...	-9.60	-.6455	-15.59	-1.0486
At S21 ...	-10.34	-.6956	-16.33	-1.0986
At S22 ...	-9.52	-.6407	-15.52	-1.0438
At S23 ...	-9.30	-.6253	-15.30	-1.0289
At S11 ...	-7.50	-.5046	-13.49	-.9077
At S12 ...	-7.92	-.5326	-13.91	-.9357
At S13 ...	-7.05	-.4745	-13.05	-.8775
Average...	-9.08	-.6106	-15.07	-1.0137
At W31 ...	-10.17	-.6844	-16.17	-1.0875
At W32 ...	-10.66	-.7168	-16.65	-1.1199
At W33 ...	-11.77	-.7916	-17.76	-1.1947
At W21 ...	-9.39	-.6316	-15.38	-1.0347
At W22 ...	-10.10	-.6792	-16.09	-1.0822
At W23 ...	-11.14	-.7492	-17.13	-1.1522
At W11 ...	-7.52	-.5058	-13.51	-.9089
At W12 ...	-8.34	-.5613	-14.34	-.9644
At W13 ...	-8.51	-.5723	-14.50	-.9753
Average...	-9.73	-.6547	-15.72	-1.0578

Internal pressure (I4) is: -5.99 Pa.
Internal pressure (I3) is: -6.03 Pa.
Internal pressure (I2) is: -6.00 Pa.
Internal pressure (I1) is: -5.95 Pa.
Average internal pressure is: -5.99 Pa.

Temperature inside is: 23.02 Degree C.
Temperature outside is: 23.03 Degree C.

Wind velocity of wind tunnel is: 4.99 m/s.

Mechanical ventilation flow rate is: 0.00 cfm.

Wind angle is: 40 Degree.

Type of flow is: UNIFORM

Location of opening: ALL OPEN / 10 SECONDS

PRESSURE AND PRESSURE COEFFICIENT FOR TEST45

NOTE:

dP = PRESSURE DIFFERENCE ACROSS THE WALL.
 JPw = EXTERNAL PRESSURE WRT REFERENCE PRESSURE.
 Cp = PRESSURE COEFFICIENT BASED ON dP.
 CpW = PRESSURE COEFFICIENT BASED ON dPw.

	dP (Pa)	Cp	dPw (Pa)	Cpw
At N31 ...	13.79	.9359	7.95	.5329
At N32 ...	10.83	.7347	4.89	.3317
At N33 ...	4.95	.3363	-.98	-.0668
At N21 ...	14.36	.9744	8.42	.5713
At N22 ...	11.64	.7898	5.70	.3868
At N23 ...	6.74	.4577	.81	.0547
At N11 ...	13.01	.8829	7.07	.4799
At N12 ...	10.62	.7207	4.68	.3176
At N13 ...	6.69	.4539	.75	.0509
Average...	10.29	.6885	4.35	.2954
At E31 ...	6.03	.4123	.14	.0093
At E32 ...	10.03	.6804	4.09	.2774
At E33 ...	13.40	.9092	7.46	.5061
At E21 ...	7.74	.5253	1.80	.1223
At E22 ...	12.08	.8199	6.14	.4169
At E23 ...	15.66	1.0626	9.72	.6595
At E11 ...	9.69	.6574	3.75	.2543
At E12 ...	13.95	.9401	7.91	.5371
At E13 ...	17.06	1.1578	11.12	.7548
Average...	11.73	.7961	5.79	.3931
At S31 ...	-10.99	-.7459	-16.93	-1.1489
At S32 ...	-10.44	-.7087	-16.38	-1.1117
At S33 ...	-10.17	-.6902	-16.11	-1.0932
At S21 ...	-10.61	-.7198	-16.55	-1.1229
At S22 ...	-10.04	-.6815	-15.98	-1.0846
At S23 ...	-9.43	-.6403	-15.37	-1.0433
At S11 ...	-8.44	-.5726	-14.38	-.9756
At S12 ...	-8.27	-.5611	-14.21	-.9641
At S13 ...	-7.26	-.4927	-13.20	-.8957
Average...	-9.52	-.6459	-15.46	-1.0469
At W31 ...	-9.90	-.6720	-15.84	-1.0751
At W32 ...	-10.89	-.7391	-16.83	-1.1421
At W33 ...	-11.68	-.7925	-17.62	-1.1956
At W21 ...	-9.24	-.6270	-15.18	-1.0301
At W22 ...	-10.26	-.6965	-16.20	-1.0996
At W23 ...	-10.52	-.7142	-16.46	-1.1172
At W11 ...	-7.43	-.5044	-13.37	-.9075
At W12 ...	-8.12	-.5511	-14.06	-.9541
At W13 ...	-8.14	-.5526	-14.08	-.9556
Average...	-9.58	-.6499	-15.52	-1.0530

Internal pressure (I4) is: -6.01 Pa.
 Internal pressure (I3) is: -5.88 Pa.
 Internal pressure (I2) is: -5.98 Pa.
 Internal pressure (I1) is: -5.89 Pa.
 Average internal pressure is: -5.94 Pa.

Temperature inside is: 23.04 Degree C.
 Temperature outside is: 23.06 Degree C.

Wind velocity of wind tunnel is: 4.97 m/s.

Mechanical ventilation flow rate is: 0.00 cfm.

Wind angle is: 45 Degree.

Type of flow is: UNIFORM

Location of opening: ALL OPEN / 10 SECONDS

PRESSURE AND PRESSURE COEFFICIENT FOR TEST46

NOTE:

dP = PRESSURE DIFFERENCE ACROSS THE WALL.
dPw = EXTERNAL PRESSURE WRT REFERENCE PRESSURE.
Cp = PRESSURE COEFFICIENT BASED ON dP.
Cpw = PRESSURE COEFFICIENT BASED ON dPw.

	dP (Pa)	Cp	dPw (Pa)	Cpw
At N31 ...	11.19	.7511	4.84	.3253
At N32 ...	8.74	.5869	2.40	.1611
At N33 ...	3.34	.2244	-3.30	-.2014
At N21 ...	12.00	.8061	5.66	.3803
At N22 ...	10.05	.6752	3.71	.2494
At N23 ...	4.76	.3194	-1.59	-.1065
At N11 ...	11.43	.7677	5.09	.3419
At N12 ...	8.99	.6034	2.64	.1776
At N13 ...	5.22	.3505	-1.12	-.0753
Average...	8.41	.5650	2.07	.1392
At E31 ...	8.35	.5609	2.01	.1350
At E32 ...	12.09	.8121	5.75	.3863
At E33 ...	16.75	1.1250	10.41	.6992
At E21 ...	10.15	.6815	3.81	.2557
At E22 ...	14.66	.9845	8.32	.5586
At E23 ...	18.01	1.2096	11.67	.7837
At E11 ...	11.48	.7706	5.13	.3448
At E12 ...	15.96	1.0717	9.62	.6459
At E13 ...	19.16	1.2866	12.82	.8608
Average...	14.07	.9447	7.73	.5199
At S31 ...	-11.86	-.7961	-18.20	-1.2220
At S32 ...	-11.24	-.7548	-17.59	-1.1306
At S33 ...	-10.47	-.7028	-16.81	-1.1286
At S21 ...	-11.58	-.7776	-17.92	-1.2035
At S22 ...	-10.57	-.7098	-16.91	-1.1356
At S23 ...	-9.80	-.6593	-16.14	-1.0841
At S11 ...	-9.22	-.6194	-15.56	-1.0452
At S12 ...	-8.68	-.5927	-15.02	-1.0085
At S13 ...	-7.75	-.5207	-14.09	-.9465
Average...	-10.13	-.6802	-16.47	-1.1061
At W31 ...	-9.96	-.6689	-16.30	-1.0947
At W32 ...	-10.57	-.7100	-16.91	-1.1358
At W33 ...	-11.22	-.7537	-17.56	-1.1795
At W21 ...	-9.40	-.6313	-15.74	-1.0572
At W22 ...	-10.20	-.6847	-16.54	-1.1105
At W23 ...	-10.82	-.7266	-17.16	-1.1524
At W11 ...	-6.98	-.4689	-13.32	-.8948
At W12 ...	-7.99	-.5369	-14.34	-.9627
At W13 ...	-8.20	-.5505	-14.54	-.9764
Average...	-9.48	-.6368	-15.82	-1.0627

Internal pressure (I4) is: -6.34 Pa.
Internal pressure (I3) is: -6.33 Pa.
Internal pressure (I2) is: -6.31 Pa.
Internal pressure (I1) is: -6.38 Pa.
Average internal pressure is: -6.34 Pa.

Temperature inside is: 22.02 Degree C.
Temperature outside is: 22.17 Degree C.

Wind velocity of wind tunnel is: 4.99 m/s.

Mechanical ventilation flow rate is: 0.00 cfh.

Wind angle is: 50 Degree.

Type of flow is: UNIFORM

Location of opening: ALL OPEN / 10 SECONDS

PRESSURE AND PRESSURE COEFFICIENT FOR TEST47

NOTE:

dP = PRESSURE DIFFERENCE ACROSS THE WALL.
dPw = EXTERNAL PRESSURE WRT REFERENCE PRESSURE.
Cp = PRESSURE COEFFICIENT BASED ON dP.
Cpw = PRESSURE COEFFICIENT BASED ON dPw.

	dP (Pa)	Cp	dPw (Pa)	Cpw
At N31 ...	8.00	.5262	1.14	.0752
At N32 ...	5.05	.3325	-1.80	-.1184
At N33 ...	.37	.0242	-6.49	-.4268
At N21 ...	7.07	.4651	.21	.0141
At N22 ...	6.72	.4419	-.14	-.0091
At N23 ...	2.00	.1315	-4.85	-.3194
At N11 ...	2.86	.1882	-3.99	-.2623
At N12 ...	5.24	.4104	-.62	-.0405
At N13 ...	3.15	.2073	-3.70	-.2437
Average...	4.61	.3030	-2.25	-.1479
At E31 ...	12.01	.7903	5.16	.3394
At E32 ...	16.18	1.0645	9.33	.6136
At E33 ...	19.56	1.2872	12.71	.8362
At E21 ...	14.21	.9351	7.36	.4841
At E22 ...	17.81	1.1719	10.96	.7210
At E23 ...	20.88	1.3740	14.03	.9231
At E11 ...	15.49	1.0199	8.63	.5680
At E12 ...	19.52	1.2341	12.66	.8332
At E13 ...	21.67	1.4258	14.82	.9749
Average...	17.48	1.1502	10.63	.6993
At S31 ...	-10.98	-.7226	-17.84	-1.1735
At S32 ...	-10.39	-.6837	-17.24	-1.1347
At S33 ...	-10.05	-.6614	-16.91	-1.1124
At S21 ...	-10.94	-.7201	-17.80	-1.1710
At S22 ...	-9.87	-.6493	-16.72	-1.1003
At S23 ...	-9.24	-.6082	-16.10	-1.0591
At S11 ...	-9.15	-.6024	-16.01	-1.0533
At S12 ...	-8.03	-.5281	-14.88	-.9790
At S13 ...	-6.96	-.4579	-13.81	-.9088
Average...	-9.51	-.6260	-16.37	-1.0769
At W31 ...	-8.51	-.5601	-15.37	-1.0110
At W32 ...	-9.08	-.5971	-15.93	-1.0481
At W33 ...	-9.99	-.6575	-16.85	-1.1084
At W21 ...	-8.21	-.5402	-15.06	-.9911
At W22 ...	-8.50	-.5596	-15.36	-1.0106
At W23 ...	-9.24	-.6079	-16.09	-1.0589
At W11 ...	-6.17	-.4058	-13.02	-.8567
At W12 ...	-6.14	-.4042	-13.00	-.8551
At W13 ...	-6.21	-.4088	-13.07	-.8597
Average...	-8.01	-.5268	-14.86	-.9777

Internal pressure (I4) is: -6.96 Pa.
Internal pressure (I3) is: -6.82 Pa.
Internal pressure (I2) is: -6.87 Pa.
Internal pressure (I1) is: -6.77 Pa.
Average internal pressure is: -6.85 Pa.

Temperature inside is: 22.20 Degree C.
Temperature outside is: 22.35 Degree C.

Wind velocity of wind tunnel is: 5.04 m/s.

Mechanical ventilation flow rate is: 0.00 cfh.

Wind angle is: 60 Degree.

Type of flow is: UNIFORM

Location of opening: ALL OPEN / 10 SECONDS

PRESSURE AND PRESSURE COEFFICIENT FOR TEST43

NOTE:

dP = PRESSURE DIFFERENCE ACROSS THE WALL.
dPw = EXTERNAL PRESSURE WRT REFERENCE PRESSURE.
Cp = PRESSURE COEFFICIENT BASED ON dP.
Cpw = PRESSURE COEFFICIENT BASED ON dPw.

	dP (Pa)	Cp	dPw (Pa)	Cpw
At N31 ...	-9.34	-.6107	-13.18	-1.1891
At N32 ...	3.69	.2411	-5.16	-.3373
At N33 ...	.29	.0188	-8.56	-.5596
At N21 ...	-9.34	-.6433	-19.68	-1.2217
At N22 ...	.11	.0075	-8.73	-.5709
At N23 ...	2.13	.1332	-6.71	-.4392
At N11 ...	-9.80	-.5756	-17.64	-1.1540
At N12 ...	-5.64	-.3687	-14.48	-.9471
At N13 ...	1.23	-.0307	-7.61	-.4977
Average...	-2.91	-.1901	-11.75	-.7665
At E31 ...	17.19	1.1244	8.35	.5460
At E32 ...	20.69	1.3531	11.84	.7747
At E33 ...	22.48	1.4702	13.64	.8918
At E21 ...	18.86	1.2332	10.01	.6548
At E22 ...	22.34	1.4610	13.49	.8826
At E23 ...	23.81	1.5574	14.97	.9790
At E11 ...	20.85	1.3639	12.01	.7955
At E12 ...	23.57	1.5414	14.72	.9630
At E13 ...	23.80	1.5565	14.95	.9731
Average...	21.51	1.4063	12.67	.8234
At S31 ...	-8.15	-.5323	-16.99	-1.1112
At S32 ...	-7.79	-.5092	-16.63	-1.0876
At S33 ...	-7.61	-.4976	-16.45	-1.0760
At S21 ...	-8.35	-.5459	-17.19	-1.1243
At S22 ...	-7.17	-.4687	-16.01	-1.0471
At S23 ...	-6.37	-.4164	-15.21	-.9948
At S11 ...	-7.51	-.4915	-16.36	-1.0699
At S12 ...	-6.11	-.3997	-14.95	-.9781
At S13 ...	-4.90	-.3203	-13.74	-.8987
Average...	-7.10	-.4647	-15.95	-1.0431
At W31 ...	-5.37	-.3513	-14.21	-.9297
At W32 ...	-6.33	-.4137	-15.17	-.9921
At W33 ...	-7.26	-.4751	-16.11	-1.0535
At W21 ...	-5.19	-.3394	-14.03	-.9178
At W22 ...	-5.53	-.3616	-14.37	-.9400
At W23 ...	-5.53	-.3619	-14.38	-.9403
At W11 ...	-3.15	-.2061	-11.99	-.7845
At W12 ...	-3.36	-.2201	-12.21	-.7965
At W13 ...	-3.53	-.2306	-12.37	-.8090
Average...	-5.03	-.3289	-13.87	-.9073

Internal pressure (I4) is: -8.73 Pa.
Internal pressure (I3) is: -9.92 Pa.
Internal pressure (I2) is: -8.80 Pa.
Internal pressure (I1) is: -8.93 Pa.
Average internal pressure is: -8.84 Pa.

Temperature inside is: 22.40 Degree C.
Temperature outside is: 22.48 Degree C.

Wind velocity of wind tunnel is: 5.06 m/s.

Mechanical ventilation flow rate is: 0.00 cfm.

Wind angle is: 70 Degree.

Type of flow is: UNIFORM

Location of opening: ALL OPEN / 10 SECONDS

PRESSURE AND PRESSURE COEFFICIENT FOR TEST49

NOTE:

dP = PRESSURE DIFFERENCE ACROSS THE WALL.
dPw = EXTERNAL PRESSURE WRT REFERENCE PRESSURE.
Cp = PRESSURE COEFFICIENT BASED ON dP.
Cpw = PRESSURE COEFFICIENT BASED ON dPw.

	dP (Pa)	Cp	dPw (Pa)	Cpw
At N31 ...	-14.23	-.9431	-25.34	-1.6801
At N32 ...	-9.47	-.6278	-20.59	-1.3647
At N33 ...	-1.79	-.1134	-12.90	-.8554
At N21 ...	-11.87	-.7967	-22.98	-1.5237
At N22 ...	-10.63	-.7046	-21.74	-1.4415
At N23 ...	-8.47	-.5615	-19.59	-1.2984
At N11 ...	-11.16	-.7400	-22.26	-1.4769
At N12 ...	-12.16	-.8061	-23.29	-1.5430
At N13 ...	-7.26	-.4811	-18.37	-1.2181
Average...	-9.67	-.6410	-20.79	-1.3780
At E31 ...	22.03	1.4603	10.91	.7234
At E32 ...	24.10	1.5977	12.98	.8608
At E33 ...	24.74	1.6399	13.62	.9029
At E21 ...	22.92	1.5192	11.80	.7822
At E22 ...	25.56	1.6347	14.45	.9578
At E23 ...	24.97	1.6551	13.85	.9181
At E11 ...	24.38	1.6164	13.27	.8795
At E12 ...	26.03	1.7259	14.92	.9889
At E13 ...	24.56	1.6291	13.44	.8911
Average...	24.36	1.6153	13.25	.8783
At S31 ...	-4.97	-.3298	-16.09	-1.0667
At S32 ...	-4.59	-.3046	-15.71	-1.0415
At S33 ...	-4.40	-.2918	-15.52	-1.0287
At S21 ...	-4.91	-.3254	-16.02	-1.0623
At S22 ...	-4.25	-.2818	-15.37	-1.0187
At S23 ...	-3.28	-.2173	-14.39	-.9543
At S11 ...	-4.67	-.3096	-15.79	-1.0465
At S12 ...	-3.67	-.2436	-14.79	-.9805
At S13 ...	-3.64	-.2413	-14.76	-.9782
Average...	-4.27	-.2828	-15.39	-1.0197
At W31 ...	-3.12	-.2067	-14.23	-.9436
At W32 ...	-3.48	-.2309	-14.60	-.9678
At W33 ...	-3.85	-.2550	-14.96	-.9920
At W21 ...	-2.08	-.1379	-13.20	-.8748
At W22 ...	-2.01	-.1333	-13.13	-.8702
At W23 ...	-1.93	-.1282	-13.05	-.8652
At W11 ...	-.76	-.0504	-11.68	-.7974
At W12 ...	-.38	-.0251	-11.49	-.7620
At W13 ...	-.44	-.0290	-11.55	-.7659
Average...	-2.01	-.1329	-13.12	-.8699

Internal pressure (I4) is: -11.09 Pa.
Internal pressure (I3) is: -11.13 Pa.
Internal pressure (I2) is: -11.14 Pa.
Internal pressure (I1) is: -11.10 Pa.
Average internal pressure is: -11.12 Pa.

Temperature inside is: 22.58 Degree C.
Temperature outside is: 22.63 Degree C.

Wind velocity of wind tunnel is: 5.03 m/s.

Mechanical ventilation flow rate is: 0.00 cfm.

Wind angle is: 80 Degree.

Type of flow is: UNIFORM

Location of opening: ALL OPEN / 10 SECONDS

PRESSURE AND PRESSURE COEFFICIENT FOR TEST50

NOTE:

dP = PRESSURE DIFFERENCE ACROSS THE WALL.
dPw = EXTERNAL PRESSURE WRT REFERENCE PRESSURE.
Cp = PRESSURE COEFFICIENT BASED ON dP.
Cpw = PRESSURE COEFFICIENT BASED ON dPw.

	dP (Pa)	Cp	dPw (Pa)	Cpw
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At N31 ...	-5.61	-.3791	-17.40	-1.1767
At N32 ...	-6.75	-.4565	-18.54	-1.2541
At N33 ...	-6.32	-.4277	-18.12	-1.2253
At N21 ...	-5.82	-.3939	-17.62	-1.1915
At N22 ...	-6.48	-.4381	-18.27	-1.2357
At N23 ...	-6.35	-.4292	-18.14	-1.2268
At N11 ...	-6.58	-.4451	-18.37	-1.2426
At N12 ...	-7.00	-.4734	-18.79	-1.2710
At N13 ...	-6.04	-.4085	-17.93	-1.2061
Average...	-6.33	-.4279	-18.12	-1.2255
At E31 ...	23.16	1.5663	11.36	.7637
At E32 ...	24.74	1.6731	12.94	.8755
At E33 ...	24.41	1.6508	12.61	.8532
At E21 ...	24.61	1.6648	12.82	.8672
At E22 ...	26.18	1.7708	14.39	.9732
At E23 ...	24.60	1.6639	12.81	.8663
At E11 ...	25.52	1.7264	13.73	.9299
At E12 ...	25.82	1.7463	14.03	.9487
At E13 ...	23.45	1.5859	11.65	.7893
Average...	24.72	1.6720	12.93	.8744
At S31 ...	-6.40	-.4332	-18.20	-1.2308
At S32 ...	-6.69	-.4522	-18.48	-1.2497
At S33 ...	-5.85	-.3958	-17.64	-1.1933
At S21 ...	-6.75	-.4566	-18.54	-1.2541
At S22 ...	-6.53	-.4414	-18.32	-1.2390
At S23 ...	-5.46	-.3692	-17.25	-1.1668
At S11 ...	-7.88	-.5333	-19.68	-1.3308
At S12 ...	-9.40	-.6357	-21.19	-1.4333
At S13 ...	-9.19	-.6215	-20.98	-1.4191
Average...	-7.13	-.4821	-18.92	-1.2797
At W31 ...	-3.53	-.2336	-15.32	-1.0361
At W32 ...	-3.95	-.2670	-15.74	-1.0646
At W33 ...	-4.26	-.2880	-16.05	-1.0856
At W21 ...	-2.21	-.1494	-14.00	-.9470
At W22 ...	-1.97	-.1332	-13.76	-.9308
At W23 ...	-2.93	-.1985	-14.73	-.9961
At W11 ...	-.86	-.0583	-12.65	-.8559
At W12 ...	.32	.0217	-11.47	-.7759
At W13 ...	-1.03	-.0696	-12.82	-.8672
Average...	-2.27	-.1534	-14.06	-.9510

Internal pressure (I4) is: -11.96 Pa.
Internal pressure (I3) is: -11.81 Pa.
Internal pressure (I2) is: -11.85 Pa.
Internal pressure (I1) is: -11.55 Pa.
Average internal pressure is: -11.79 Pa.

Temperature inside is: 22.72 Degree C.
Temperature outside is: 22.79 Degree C.

Wind velocity of wind tunnel is: 4.98 m/s.

Mechanical ventilation flow rate is: 0.00 cfh.

Wind angle is: 90 Degree.

Type of flow is: UNIFORM

Location of opening: ALL OPEN / 10 SECONDS

PRESSURE AND PRESSURE COEFFICIENT FOR TESTS1

NOTE:

dP = PRESSURE DIFFERENCE ACROSS THE WALL.
dPw = EXTERNAL PRESSURE WRT REFERENCE PRESSURE.
Cp = PRESSURE COEFFICIENT BASED ON dP.
Cpw = PRESSURE COEFFICIENT BASED ON dPw.

	dP (Pa)	Cp	dPw (Pa)	Cpw
At N31 ...	46.46	1.4766	23.75	.7546
At N32 ...	51.19	1.6270	28.48	.9052
At N33 ...	48.46	1.5402	25.75	.8184
At N21 ...	49.21	1.5643	26.51	.8425
At N22 ...	52.59	1.6716	29.89	.9499
At N23 ...	49.80	1.5828	27.09	.8611
At N11 ...	51.45	1.6354	28.74	.9136
At N12 ...	52.88	1.6807	30.17	.9590
At N13 ...	48.41	1.5386	25.70	.8169
Average...	50.05	1.5908	27.34	.8691
At E31 ...	-11.77	-.3740	-34.48	-1.0958
At E32 ...	-11.49	-.3651	-34.19	-1.0868
At E33 ...	-10.21	-.3244	-32.91	-1.0462
At E21 ...	-13.93	-.4429	-36.64	-1.1646
At E22 ...	-12.58	-.3999	-35.29	-1.1216
At E23 ...	-11.25	-.3577	-33.96	-1.0794
At E11 ...	-15.23	-.4841	-37.94	-1.2059
At E12 ...	-18.77	-.5967	-41.48	-1.3184
At E13 ...	-17.70	-.5625	-40.41	-1.2843
Average...	-13.66	-.4341	-36.37	-1.1559
At S31 ...	-7.31	-.2324	-30.02	-.9542
At S32 ...	-6.54	-.2080	-29.25	-.9297
At S33 ...	-9.13	-.2901	-31.84	-1.0119
At S21 ...	-4.94	-.1570	-27.65	-.8787
At S22 ...	-3.56	-.1132	-26.27	-.8349
At S23 ...	-3.60	-.1143	-26.30	-.8360
At S11 ...	.25	.0080	-22.46	-.7138
At S12 ...	.26	.0083	-22.45	-.7134
At S13 ...	-.41	-.0130	-23.12	-.7348
Average...	-3.89	-.1235	-26.59	-.8453
At W31 ...	-10.70	-.3400	-33.40	-1.0617
At W32 ...	-12.46	-.3962	-35.17	-1.1179
At W33 ...	-11.75	-.3733	-34.45	-1.0951
At W21 ...	-10.39	-.3302	-33.10	-1.0519
At W22 ...	-12.39	-.3939	-35.10	-1.1157
At W23 ...	-13.44	-.4273	-36.15	-1.1491
At W11 ...	-11.35	-.3607	-34.05	-1.0824
At W12 ...	-12.43	-.3952	-35.14	-1.1169
At W13 ...	-12.07	-.3838	-34.78	-1.1055
Average...	-11.89	-.3778	-34.59	-1.0996

Internal pressure (I4) is: -22.60 Pa.
Internal pressure (I3) is: -22.96 Pa.
Internal pressure (I2) is: -22.19 Pa.
Internal pressure (I1) is: -23.08 Pa.
Average internal pressure is: -22.71 Pa.

Temperature inside is: 22.81 Degree C.
Temperature outside is: 22.93 Degree C.

Wind velocity of wind tunnel is: 7.26 m/s.

Mechanical ventilation flow rate is: 0.00 cfm.

Wind angle is: 0 Degree.

Type of flow is: UNIFORM.

Location of opening: ALL OPEN / 10 SECONDS

PRESSURE AND PRESSURE COEFFICIENT FOR TEST52

NOTE:

dP = PRESSURE DIFFERENCE ACROSS THE WALL.
dPw = EXTERNAL PRESSURE WRT REFERENCE PRESSURE.
Cp = PRESSURE COEFFICIENT BASED ON dP.
Cpw = PRESSURE COEFFICIENT BASED ON dPw.

	dP (Pa)	Cp	dPw (Pa)	Cpw
At N31 ...	45.77	1.4586	25.76	.9207
At N32 ...	47.36	1.5092	27.35	.8714
At N33 ...	42.59	1.3572	22.57	.7193
At N21 ...	48.05	1.5311	28.03	.8933
At N22 ...	49.55	1.5791	29.54	.9412
At N23 ...	43.93	1.3999	23.91	.7620
At N11 ...	49.17	1.5667	29.15	.9299
At N12 ...	48.50	1.5457	29.49	.9078
At N13 ...	41.76	1.3308	21.75	.6930
Average...	46.33	1.4754	26.28	.8375
At E31 ...	-13.24	-.4221	-33.26	-1.0599
At E32 ...	-20.97	-.6682	-40.98	-1.3060
At E33 ...	-22.72	-.7239	-42.73	-1.3618
At E21 ...	-15.95	-.5082	-35.96	-1.1461
At E22 ...	-23.57	-.7511	-43.59	-1.3389
At E23 ...	-21.46	-.6838	-41.48	-1.3217
At E11 ...	6.47	.2063	-13.54	-.4316
At E12 ...	-21.59	-.6881	-41.61	-1.3260
At E13 ...	-32.26	-1.0280	-52.27	-1.6658
Average...	-18.37	-.5852	-38.38	-1.2231
At S31 ...	-7.58	-.2414	-27.59	-.8793
At S32 ...	-6.99	-.2223	-27.01	-.8607
At S33 ...	-5.47	-.1743	-25.49	-.8122
At S21 ...	-3.55	-.1132	-23.57	-.7510
At S22 ...	-3.80	-.1210	-23.81	-.7588
At S23 ...	-3.72	-.1135	-23.73	-.7563
At S11 ...	-.26	-.0084	-20.28	-.6462
At S12 ...	-.26	-.0084	-20.28	-.6462
At S13 ...	.27	.0085	-19.75	-.6293
Average...	-3.48	-.1110	-23.50	-.7489
At W31 ...	-8.09	-.2579	-28.11	-.8957
At W32 ...	-8.75	-.2789	-28.77	-.9167
At W33 ...	-9.99	-.3182	-30.00	-.9561
At W21 ...	-6.36	-.2027	-26.38	-.8405
At W22 ...	-6.72	-.2142	-26.74	-.8520
At W23 ...	-8.50	-.2708	-28.52	-.9087
At W11 ...	-5.09	-.1623	-25.11	-.8001
At W12 ...	-6.69	-.2132	-26.70	-.8510
At W13 ...	-8.67	-.2764	-28.69	-.9142
Average...	-7.65	-.2438	-27.67	-.8817

Internal pressure (I4) is: -19.97 Pa.
Internal pressure (I3) is: -20.29 Pa.
Internal pressure (I2) is: -20.09 Pa.
Internal pressure (I1) is: -19.82 Pa.
Average internal pressure is: -20.02 Pa.

Temperature inside is: 22.95 Degree C.
Temperature outside is: 23.02 Degree C.

Wind velocity of wind tunnel is: 7.25 m/s.

Mechanical ventilation flow rate is: 0.00 cfm.

Wind angle is: 10 Degree.

Type of flow is: UNIFORM

Location of opening: ALL OPEN / 10 SECONDS

PRESSURE AND PRESSURE COEFFICIENT FOR TESTS3

NOTE:

dP = PRESSURE DIFFERENCE ACROSS THE WALL.
dPw = EXTERNAL PRESSURE WRT REFERENCE PRESSURE.
Cp = PRESSURE COEFFICIENT BASED ON dP.
Cpw = PRESSURE COEFFICIENT BASED ON dPw.

	dP (Pa) -----	Cp --	dPw (Pa) -----	Cpw ---
At N31 ...	46.34	1.3901	29.75	.8924
At N32 ...	44.37	1.3311	27.78	.8334
At N33 ...	35.93	1.0780	19.34	.5803
At N21 ...	48.69	1.4608	32.10	.9631
At N22 ...	45.06	1.3517	28.47	.8540
At N23 ...	36.70	1.1010	20.11	.6032
At N11 ...	47.91	1.4373	31.32	.9396
At N12 ...	43.38	1.3014	26.79	.8037
At N13 ...	34.39	1.0318	17.80	.5341
Average...	42.53	1.2759	25.94	.7782
At E31 ...	3.07	.0920	-13.52	-.4058
At E32 ...	-7.79	-.2338	-24.39	-.7316
At E33 ...	-16.43	-.4929	-33.02	-.9906
At E21 ...	7.41	.2222	-9.18	-.2755
At E22 ...	13.00	.3901	-3.59	-.1077
At E23 ...	-30.11	-.9032	-46.70	-1.4009
At E11 ...	8.31	.2494	-8.28	-.2483
At E12 ...	13.91	.4173	-2.68	-.0805
At E13 ...	.38	.0114	-16.21	-.4863
Average...	-.92	-.0275	-17.51	-.5252
At S31 ...	-13.56	-.4069	-30.15	-.9046
At S32 ...	-11.94	-.3551	-28.43	-.8528
At S33 ...	-10.76	-.3227	-27.35	-.8204
At S21 ...	-11.54	-.3461	-28.13	-.8438
At S22 ...	-10.51	-.3152	-27.10	-.8130
At S23 ...	-9.83	-.2950	-26.42	-.7927
At S11 ...	-6.15	-.1846	-22.75	-.6824
At S12 ...	-5.93	-.1779	-22.52	-.6757
At S13 ...	-5.54	-.1662	-22.13	-.6640
Average...	-9.52	-.2855	-26.11	-.7833
At W31 ...	-15.09	-.4526	-31.68	-.9503
At W32 ...	-15.65	-.4696	-32.24	-.9674
At W33 ...	-16.35	-.4905	-32.94	-.9883
At W21 ...	-13.20	-.3960	-29.79	-.8938
At W22 ...	-14.93	-.4480	-31.52	-.9457
At W23 ...	-17.27	-.5181	-33.86	-1.0159
At W11 ...	-10.23	-.3070	-26.82	-.8047
At W12 ...	-13.22	-.3965	-29.81	-.8942
At W13 ...	-16.72	-.5016	-33.31	-.9993
Average...	-14.74	-.4422	-31.33	-.9399

Internal pressure (I4) is: -16.46 Pa.
Internal pressure (I3) is: -16.52 Pa.
Internal pressure (I2) is: -16.71 Pa.
Internal pressure (I1) is: -16.68 Pa.
Average internal pressure is: -16.59 Pa.

Temperature inside is: 23.45 Degree C.
Temperature outside is: 23.68 Degree C.

Wind velocity of wind tunnel is: 7.48 m/s.

Mechanical ventilation flow rate is: 0.00 cfm.

Wind angle is: 20 Degree.

Type of flow is: UNIFORM

Location of opening: ALL OPEN / 10 SECONDS

PRESSURE AND PRESSURE COEFFICIENT FOR TESTS4

NOTE:

dP = PRESSURE DIFFERENCE ACROSS THE WALL.
dPw = EXTERNAL PRESSURE WRT REFERENCE PRESSURE.
Cp = PRESSURE COEFFICIENT BASED ON dP.
Cpw = PRESSURE COEFFICIENT BASED ON dPw.

	dP (Pa)	Cp	dPw (Pa)	Cpw
At N31 ...	40.00	1.1892	27.50	.3175
At N32 ...	35.24	1.0476	22.74	.6760
At N33 ...	24.06	.7153	11.56	.3436
At N21 ...	42.63	1.2673	30.13	.8957
At N22 ...	36.51	1.0954	24.01	.7137
At N23 ...	26.50	.7976	13.99	.4159
At N11 ...	41.30	1.2277	28.90	.8560
At N12 ...	33.81	1.0049	21.30	.6332
At N13 ...	25.51	.7584	13.01	.3867
Average...	33.95	1.0093	21.45	.6376
At E31 ...	4.62	.1374	-7.88	-.2342
At E32 ...	10.80	.3210	-1.70	-.0506
At E33 ...	6.64	.1974	-5.86	-.1742
At E21 ...	7.60	.2259	-4.90	-.1457
At E22 ...	13.48	.4006	.97	.0290
At E23 ...	20.93	.6223	8.43	.2506
At E11 ...	10.46	.3110	-2.04	-.0606
At E12 ...	17.26	.5131	4.76	.1414
At E13 ...	22.46	.6676	9.95	.2959
Average...	12.70	.3774	.19	.0057
At S31 ...	-19.83	-.5894	-32.33	-.9611
At S32 ...	-17.75	-.5275	-30.25	-.8992
At S33 ...	-17.22	-.5118	-29.72	-.8835
At S21 ...	-18.85	-.5603	-31.35	-.9319
At S22 ...	-17.68	-.5255	-30.18	-.8972
At S23 ...	-19.62	-.4939	-29.12	-.8656
At S11 ...	-12.65	-.3761	-25.15	-.7478
At S12 ...	-12.92	-.3811	-25.32	-.7529
At S13 ...	-12.13	-.3607	-24.64	-.7323
Average...	-16.17	-.4807	-28.67	-.8524
At W31 ...	-20.73	-.6161	-33.23	-.9878
At W32 ...	-21.66	-.6439	-34.17	-1.0156
At W33 ...	-22.76	-.6765	-35.26	-1.0482
At W21 ...	-18.55	-.5515	-31.05	-.9232
At W22 ...	-19.97	-.5938	-32.48	-.9654
At W23 ...	-22.71	-.6750	-35.21	-1.0467
At W11 ...	-14.79	-.4397	-27.29	-.8114
At W12 ...	-17.23	-.5122	-29.75	-.8839
At W13 ...	-18.87	-.5609	-31.37	-.9326
Average...	-19.70	-.5855	-32.20	-.9572

Internal pressure (I4) is: -12.59 Pa.
Internal pressure (I3) is: -12.48 Pa.
Internal pressure (I2) is: -12.36 Pa.
Internal pressure (I1) is: -12.58 Pa.
Average internal pressure is: -12.50 Pa.

Temperature inside is: 23.30 Degree C.
Temperature outside is: 23.39 Degree C.

Wind velocity of wind tunnel is: 7.51 m/s.

Mechanical ventilation flow rate is: 0.00 cfh.

Wind angle is: 30 Degree.

Type of flow is: UNIFORM

Location of opening: ALL OPEN / 10 SECONDS

PRESSURE AND PRESSURE COEFFICIENT FOR TEST55

NOTE:

dP = PRESSURE DIFFERENCE ACROSS THE WALL.
dPw = EXTERNAL PRESSURE WRT REFERENCE PRESSURE.
Cp = PRESSURE COEFFICIENT BASED ON dP.
Cpw = PRESSURE COEFFICIENT BASED ON dPw.

	dP (Pa)	Cp	dPw (Pa)	Cpw
At N31 ...	32.92	.9828	21.53	.6444
At N32 ...	26.53	.7921	15.20	.4537
At N33 ...	14.35	.4284	3.01	.0900
At N21 ...	35.12	1.0485	23.78	.7101
At N22 ...	28.99	.8655	17.65	.5271
At N23 ...	17.55	.5240	6.21	.1856
At N11 ...	33.31	.9945	21.98	.6561
At N12 ...	26.25	.7837	14.91	.4453
At N13 ...	18.13	.5411	6.79	.2027
Average...	25.90	.7734	14.57	.4350
At E31 ...	10.31	.3073	-1.02	-.0306
At E32 ...	16.02	.4782	4.68	.1398
At E33 ...	22.96	.6356	11.63	.3472
At E21 ...	14.32	.4276	2.39	.0892
At E22 ...	22.17	.6620	10.84	.3236
At E23 ...	29.05	.8674	17.72	.5290
At E11 ...	17.40	.5194	6.06	.1810
At E12 ...	26.20	.7821	14.96	.4437
At E13 ...	32.74	.9776	21.41	.6392
Average...	21.24	.6342	9.91	.2958
At S31 ...	-22.27	-.6648	-33.60	-1.0033
At S32 ...	-21.05	-.6296	-32.39	-.9670
At S33 ...	-19.67	-.5874	-31.01	-.9258
At S21 ...	-21.47	-.6411	-32.81	-.9795
At S22 ...	-20.83	-.6220	-32.17	-.9604
At S23 ...	-19.73	-.5889	-31.06	-.9273
At S11 ...	-16.04	-.4790	-27.38	-.8174
At S12 ...	-16.29	-.4864	-27.63	-.8248
At S13 ...	-14.93	-.4459	-26.27	-.7843
Average...	-19.14	-.5716	-30.48	-.9100
At W31 ...	-21.33	-.6519	-33.17	-.9903
At W32 ...	-23.15	-.6912	-34.48	-1.0296
At W33 ...	-24.86	-.7423	-36.20	-1.0807
At W21 ...	-19.98	-.5966	-31.32	-.9350
At W22 ...	-22.05	-.6584	-33.39	-.9968
At W23 ...	-23.55	-.7031	-34.83	-1.0415
At W11 ...	-15.57	-.4647	-26.90	-.8031
At W12 ...	-17.29	-.5162	-28.62	-.8546
At W13 ...	-18.49	-.5521	-29.83	-.8905
Average...	-20.75	-.6196	-32.09	-.9580

Internal pressure (I4) is: -11.36 Pa.
Internal pressure (I3) is: -11.14 Pa.
Internal pressure (I2) is: -11.46 Pa.
Internal pressure (I1) is: -11.38 Pa.
Average internal pressure is: -11.33 Pa.

Temperature inside is: 23.26 Degree C.
Temperature outside is: 23.35 Degree C.

Wind velocity of wind tunnel is: 7.50 m/s.

Mechanical ventilation flow rate is: 0.00 cfm.

Wind angle is: 40 Degree.

Type of flow is: UNIFORM

Location of opening: ALL OPEN / 10 SECONDS

PRESSURE AND PRESSURE COEFFICIENT FOR TEST56

NOTE:

dP = PRESSURE DIFFERENCE ACROSS THE WALL.
dPw = EXTERNAL PRESSURE WRT REFERENCE PRESSURE.
Cp = PRESSURE COEFFICIENT BASED ON dP.
Cpw = PRESSURE COEFFICIENT BASED ON dPw.

	dP (Pa)	Cp	dPw (Pa)	Cpw
At N31 ...	28.16	.8452	16.89	.5069
At N32 ...	22.87	.6866	11.60	.3483
At N33 ...	10.85	.3257	-.42	-.0126
At N21 ...	30.11	.9037	18.84	.5654
At N22 ...	24.83	.7453	13.56	.4070
At N23 ...	13.44	.4035	2.17	.0652
At N11 ...	28.33	.8503	17.06	.5119
At N12 ...	22.44	.6736	11.17	.3352
At N13 ...	14.49	.4349	3.22	.0965
Average...	21.72	.6521	10.45	.3138
At E31 ...	13.39	.4018	2.12	.0635
At E32 ...	20.62	.6188	9.34	.2805
At E33 ...	28.28	.8490	17.01	.5107
At E21 ...	17.39	.5218	6.11	.1835
At E22 ...	26.44	.7936	15.17	.4553
At E23 ...	34.17	1.0256	22.90	.6873
At E11 ...	21.43	.6432	10.16	.3049
At E12 ...	30.71	.9219	19.44	.5836
At E13 ...	37.28	1.1189	26.01	.7306
Average...	25.52	.7661	14.25	.4278
At S31 ...	-23.88	-.7169	-35.15	-1.0552
At S32 ...	-21.21	-.6367	-32.48	-.9750
At S33 ...	-20.52	-.6158	-31.79	-.9542
At S21 ...	-22.45	-.6738	-33.72	-1.0121
At S22 ...	-21.36	-.6413	-32.63	-.9796
At S23 ...	-20.03	-.6011	-31.30	-.9395
At S11 ...	-17.79	-.5341	-29.06	-.8724
At S12 ...	-17.31	-.5196	-28.58	-.8579
At S13 ...	-15.29	-.4589	-26.56	-.7972
Average...	-19.98	-.5998	-31.25	-.9381
At W31 ...	-20.71	-.6215	-31.98	-.9598
At W32 ...	-22.64	-.6797	-33.91	-1.0180
At W33 ...	-24.40	-.7324	-35.67	-1.0707
At W21 ...	-19.90	-.5942	-31.07	-.9325
At W22 ...	-21.50	-.6452	-32.77	-.9835
At W23 ...	-22.58	-.6779	-33.85	-1.0162
At W11 ...	-15.37	-.4615	-26.64	-.7998
At W12 ...	-17.17	-.5153	-28.44	-.8536
At W13 ...	-17.26	-.5181	-28.53	-.8564
Average...	-20.16	-.6051	-31.43	-.9434

Internal pressure (I4) is: -11.42 Pa.
Internal pressure (I3) is: -11.22 Pa.
Internal pressure (I2) is: -11.25 Pa.
Internal pressure (I1) is: -11.20 Pa.
Average internal pressure is: -11.27 Pa.

Temperature inside is: 23.23 Degree C.
Temperature outside is: 23.39 Degree C.

Wind velocity of wind tunnel is: 7.48 m/s.

Mechanical ventilation flow rate is: 0.00 cfh.

Wind angle is: 45 Degree.

Type of flow is: UNIFORM

Location of opening: ALL OPEN / 10 SECONDS

PRESSURE AND PRESSURE COEFFICIENT FOR TESTS7

NOTE:

dP = PRESSURE DIFFERENCE ACROSS THE WALL.
dPw = EXTERNAL PRESSURE WRT REFERENCE PRESSURE.
Cp = PRESSURE COEFFICIENT BASED ON dP.
Cpw = PRESSURE COEFFICIENT BASED ON dPw.

	dP (Pa)	Cp	dPw (Pa)	Cpw
	-----	--	-----	---
At N31 ...	22.58	.6733	10.93	.3258
At N32 ...	17.31	.5161	5.65	.1686
At N33 ...	6.93	.2067	-4.72	-.1403
At N21 ...	24.54	.7319	12.89	.3844
At N22 ...	20.71	.6176	9.06	.2700
At N23 ...	10.10	.3011	-1.56	-.0464
At N11 ...	23.30	.7097	12.15	.3622
At N12 ...	19.05	.5681	7.40	.2206
At N13 ...	11.48	.3423	-1.18	-.0052
Average...	17.39	.5185	5.74	.1710
At E31 ...	16.96	.5057	5.31	.1532
At E32 ...	26.12	.7789	14.47	.4314
At E33 ...	33.32	.9937	21.67	.6461
At E21 ...	21.53	.6420	9.88	.2945
At E22 ...	30.23	.9014	18.58	.5538
At E23 ...	33.69	1.1536	27.03	.8061
At E11 ...	25.96	.7740	14.30	.4265
At E12 ...	34.40	1.0257	22.74	.6782
At E13 ...	40.97	1.2216	29.32	.8741
Average...	29.80	.8885	18.14	.5410
At S31 ...	-24.36	-.7265	-36.02	-1.0740
At S32 ...	-22.59	-.6737	-34.25	-1.0212
At S33 ...	-21.47	-.6402	-33.12	-.9877
At S21 ...	-24.00	-.7157	-35.66	-1.0632
At S22 ...	-21.80	-.6500	-33.45	-.9975
At S23 ...	-20.31	-.6055	-31.96	-.9530
At S11 ...	-18.91	-.5638	-30.56	-.9113
At S12 ...	-17.56	-.5237	-29.22	-.8712
At S13 ...	-15.47	-.4613	-27.15	-.8088
Average...	-20.72	-.6178	-32.37	-.9653
At W31 ...	-20.50	-.6113	-32.15	-.9589
At W32 ...	-22.13	-.6600	-33.79	-1.0075
At W33 ...	-23.60	-.7038	-35.26	-1.0513
At W21 ...	-20.59	-.6139	-32.24	-.9614
At W22 ...	-21.27	-.6342	-32.92	-.9317
At W23 ...	-22.77	-.6788	-34.42	-1.0263
At W11 ...	-15.09	-.4498	-26.74	-.7973
At W12 ...	-16.63	-.4959	-28.28	-.8434
At W13 ...	-16.91	-.5041	-28.56	-.8516
Average...	-19.94	-.5946	-31.60	-.9421

Internal pressure (I4) is: -11.57 Pa.
Internal pressure (I3) is: -11.61 Pa.
Internal pressure (I2) is: -11.74 Pa.
Internal pressure (I1) is: -11.70 Pa.
Average internal pressure is: -11.65 Pa.

Temperature inside is: 22.56 Degree C.
Temperature outside is: 22.80 Degree C.

Wind velocity of wind tunnel is: 7.49 m/s.

Mechanical ventilation flow rate is: 0.00 cfh.

Wind angle is: 50 Degree.

Type of flow is: UNIFORM

Location of opening: ALL OPEN / 10 SECONDS

PRESSURE AND PRESSURE COEFFICIENT FOR TEST58

NOTE:

dP = PRESSURE DIFFERENCE ACROSS THE WALL.
dPw = EXTERNAL PRESSURE WRT REFERENCE PRESSURE.
Cp = PRESSURE COEFFICIENT BASED ON dP.
Cpw = PRESSURE COEFFICIENT BASED ON dPw.

	dP (Pa)	Cp	dPw (Pa)	Cpw
	-----	--	-----	----
At N31 ...	15.73	.4710	2.96	.0883
At N32 ...	10.73	.3204	-2.09	-.0623
At N33 ...	.97	.0259	-11.95	-.3563
At N21 ...	14.79	.4414	1.97	.0587
At N22 ...	13.89	.4145	1.06	.0318
At N23 ...	4.19	.1252	-8.63	-.2576
At N11 ...	3.49	.1043	-9.33	-.2784
At N12 ...	12.75	.3808	-.07	-.0020
At N13 ...	7.09	.2117	-5.73	-.1711
Average...	9.29	.2773	-3.53	-.1055
At E31 ...	24.95	.7448	12.13	.3621
At E32 ...	33.43	.9980	20.21	.6153
At E33 ...	39.94	1.1923	27.12	.8096
At E21 ...	29.53	.9817	16.71	.4989
At E22 ...	38.30	1.1435	25.48	.7608
At E23 ...	44.09	1.3161	31.26	.9334
At E11 ...	33.24	.9924	20.42	.6096
At E12 ...	41.36	1.2348	28.54	.8520
At E13 ...	46.57	1.3902	33.75	1.0075
Average...	36.82	1.0993	24.00	.7166
At S31 ...	-22.26	-.6647	-35.09	-1.0474
At S32 ...	-21.25	-.6345	-34.07	-1.0172
At S33 ...	-20.74	-.6191	-33.56	-1.0019
At S21 ...	-22.21	-.6632	-35.03	-1.0459
At S22 ...	-19.65	-.5866	-32.47	-.9694
At S23 ...	-18.45	-.5509	-31.29	-.9337
At S11 ...	-18.17	-.5425	-30.99	-.9253
At S12 ...	-16.29	-.4862	-29.11	-.8690
At S13 ...	-14.19	-.4236	-27.01	-.8063
Average...	-19.25	-.5746	-32.07	-.9573
At W31 ...	-17.62	-.5261	-30.44	-.9039
At W32 ...	-18.64	-.5565	-31.46	-.9392
At W33 ...	-20.65	-.6156	-33.47	-.9994
At W21 ...	-16.77	-.5007	-29.59	-.8834
At W22 ...	-17.49	-.5222	-30.71	-.9049
At W23 ...	-18.53	-.5532	-31.35	-.9359
At W11 ...	-11.87	-.3543	-24.69	-.7370
At W12 ...	-12.59	-.3760	-25.41	-.7587
At W13 ...	-12.19	-.3639	-25.01	-.7466
Average...	-16.26	-.4855	-29.08	-.8632

Internal pressure (I4) is: -12.58 Pa.
Internal pressure (I3) is: -12.67 Pa.
Internal pressure (I2) is: -12.95 Pa.
Internal pressure (I1) is: -13.08 Pa.
Average internal pressure is: -12.82 Pa.

Temperature inside is: 22.77 Degree C.
Temperature outside is: 22.87 Degree C.

Wind velocity of wind tunnel is: 7.49 m/s.

Mechanical ventilation flow rate is: 0.00 cfm.

Wind angle is: 60 Degree.

Type of flow is: UNIFORM

Location of opening: ALL OPEN / 10 SECONDS

PRESSURE AND PRESSURE COEFFICIENT FOR TEST59

NOTE:

dP = PRESSURE DIFFERENCE ACROSS THE WALL.
dPw = EXTERNAL PRESSURE WRT REFERENCE PRESSURE.
Cp = PRESSURE COEFFICIENT BASED ON dP.
Cpw = PRESSURE COEFFICIENT BASED ON dPw.

	dP (Pa)	Cp	dPw (Pa)	Cpw
	-----	--	-----	----
At N31 ...	-22.88	-.6757	-40.15	-1.1855
At N32 ...	10.31	.3044	-6.95	-.2053
At N33 ...	1.43	.0424	-15.83	-.4674
At N21 ...	-19.71	-.5820	-38.97	-1.0917
At N22 ...	-6.78	-.2002	-24.05	-.7100
At N23 ...	5.16	.1522	-12.11	-.3575
At N11 ...	-17.78	-.5251	-35.05	-1.0349
At N12 ...	-12.91	-.3813	-30.18	-.8911
At N13 ...	4.22	.1246	-13.05	-.3852
Average...	-6.55	-.1934	-23.81	-.7032
At E31 ...	36.21	1.0693	18.95	.5596
At E32 ...	43.27	1.2776	26.00	.7679
At E33 ...	48.71	1.3792	29.44	.8694
At E21 ...	41.03	1.2115	23.77	.7018
At E22 ...	48.39	1.4290	31.13	.9192
At E23 ...	49.20	1.4529	31.94	.9431
At E11 ...	43.78	1.2927	26.52	.7830
At E12 ...	49.85	1.4721	32.59	.9623
At E13 ...	50.16	1.4812	32.90	.9714
Average...	45.40	1.3406	28.14	.8308
At S31 ...	-15.61	-.4610	-32.88	-.9708
At S32 ...	-15.00	-.4429	-32.26	-.9526
At S33 ...	-14.45	-.4268	-31.72	-.9366
At S21 ...	-16.45	-.4859	-33.72	-.9957
At S22 ...	-13.74	-.4056	-31.00	-.9153
At S23 ...	-11.90	-.3515	-29.17	-.8612
At S11 ...	-14.22	-.4198	-31.48	-.9295
At S12 ...	-11.57	-.3417	-28.34	-.8515
At S13 ...	-10.12	-.2988	-27.38	-.8085
Average...	-13.67	-.4038	-30.94	-.9135
At W31 ...	-11.23	-.3316	-28.49	-.8414
At W32 ...	-11.87	-.3506	-29.14	-.8604
At W33 ...	-13.50	-.3985	-30.76	-.9083
At W21 ...	-9.85	-.2909	-27.12	-.8007
At W22 ...	-10.26	-.3028	-27.52	-.8126
At W23 ...	-10.75	-.3176	-28.02	-.8273
At W11 ...	-5.59	-.1649	-22.85	-.6747
At W12 ...	-5.81	-.1719	-23.03	-.6814
At W13 ...	-4.95	-.1462	-22.22	-.6560
Average...	-9.31	-.2750	-26.53	-.7847

Internal pressure (I4) is: -17.04 Pa.
Internal pressure (I3) is: -17.11 Pa.
Internal pressure (I2) is: -17.51 Pa.
Internal pressure (I1) is: -17.39 Pa.
Average internal pressure is: -17.26 Pa.

Temperature inside is: 22.91 Degree C.
Temperature outside is: 23.06 Degree C.

Wind velocity of wind tunnel is: 7.54 m/s.

Mechanical ventilation flow rate is: 0.00 cfh.

Wind angle is: 70 Degree.

Type of flow is: UNIFORM

Location of opening: ALL OPEN / 10 SECONDS

PRESSURE AND PRESSURE COEFFICIENT FOR TEST60.

NOTE:

dP = PRESSURE DIFFERENCE ACROSS THE WALL.
dPw = EXTERNAL PRESSURE WRT REFERENCE PRESSURE.
Cp = PRESSURE COEFFICIENT BASED ON dP.
Cpw = PRESSURE COEFFICIENT BASED ON dPw.

	dP (Pa)	Cp	dPw (Pa)	Cpw
At N31 ...	-28.59	-.8431	-50.71	-1.4955
At N32 ...	-21.07	-.6213	-43.19	-1.2737
At N33 ...	-5.23	-.1541	-27.35	-.3065
At N21 ...	-22.61	-.6667	-44.73	-1.3190
At N22 ...	-23.92	-.7053	-46.04	-1.3577
At N23 ...	-18.09	-.5335	-40.21	-1.1859
At N11 ...	-22.98	-.6777	-45.10	-1.3300
At N12 ...	-24.18	-.7131	-46.30	-1.3653
At N13 ...	-17.55	-.5175	-39.67	-1.1698
Average...	-20.47	-.6036	-42.59	-1.2560
At E31 ...	46.50	1.3713	24.38	.7190
At E32 ...	50.67	1.4943	28.55	.8419
At E33 ...	51.22	1.5104	29.10	.8581
At E21 ...	49.63	1.4637	27.51	.8114
At E22 ...	54.23	1.5994	32.11	.9471
At E23 ...	52.87	1.5592	30.75	.9063
At E11 ...	53.04	1.5642	30.92	.9118
At E12 ...	56.04	1.6526	33.92	1.0002
At E13 ...	52.74	1.5555	30.62	.9031
Average...	51.88	1.5301	29.76	.8777
At S31 ...	-10.30	-.3037	-32.42	-.9561
At S32 ...	-9.29	-.2739	-31.41	-.9262
At S33 ...	-8.91	-.2628	-31.03	-.9152
At S21 ...	-10.09	-.2975	-32.21	-.9439
At S22 ...	-7.86	-.2317	-29.93	-.8841
At S23 ...	-7.46	-.2201	-29.58	-.8725
At S11 ...	-8.97	-.2645	-31.09	-.9169
At S12 ...	-7.93	-.2340	-30.06	-.8864
At S13 ...	-6.48	-.1910	-28.60	-.8434
Average...	-8.59	-.2533	-30.71	-.9056
At W31 ...	-5.71	-.1685	-27.84	-.8209
At W32 ...	-7.37	-.2174	-29.49	-.8697
At W33 ...	-7.67	-.2263	-29.79	-.8786
At W21 ...	-3.71	-.1034	-25.83	-.7618
At W22 ...	-3.69	-.1089	-25.81	-.7612
At W23 ...	-4.00	-.1181	-26.13	-.7705
At W11 ...	-.31	-.0090	-22.43	-.6614
At W12 ...	.31	.0090	-21.81	-.6433
At W13 ...	.45	.0134	-21.67	-.6390
Average...	-3.52	-.1039	-25.64	-.7563

Internal pressure (I4) is: -22.06 Pa.
Internal pressure (I3) is: -22.03 Pa.
Internal pressure (I2) is: -22.26 Pa.
Internal pressure (I1) is: -22.13 Pa.
Average internal pressure is: -22.12 Pa.

Temperature inside is: 23.00 Degree C.
Temperature outside is: 23.03 Degree C.

Wind velocity of wind tunnel is: 7.54 m/s.

Mechanical ventilation flow rate is: 0.00 cfm.

Wind angle is: 30 Degree.

Type of flow is: UNIFORM

Location of opening: ALL OPEN / 10 SECONDS

PRESSURE AND PRESSURE COEFFICIENT FOR TEST61

NOTE:

dP = PRESSURE DIFFERENCE ACROSS THE WALL.
dPw = EXTERNAL PRESSURE WRT REFERENCE PRESSURE.
Cp = PRESSURE COEFFICIENT BASED ON dP.
Cpw = PRESSURE COEFFICIENT BASED ON dPw.

	dP (Pa)	Cp	dPw (Pa)	Cpw
At N31 ...	-13.21	-.3975	-36.70	-1.1046
At N32 ...	-14.41	-.4337	-37.90	-1.1407
At N33 ...	-14.29	-.4302	-37.79	-1.1373
At N21 ...	-13.07	-.3933	-36.56	-1.1003
At N22 ...	-13.11	-.3947	-36.60	-1.1017
At N23 ...	-14.66	-.4413	-38.15	-1.1483
At N11 ...	-13.54	-.4075	-37.03	-1.1145
At N12 ...	-13.34	-.4015	-36.83	-1.1085
At N13 ...	-12.88	-.3877	-36.37	-1.0947
Average...	-13.61	-.4097	-37.10	-1.1167
At E31 ...	49.63	1.4939	26.14	.7868
At E32 ...	52.32	1.5747	28.83	.8676
At E33 ...	50.11	1.5083	26.62	.8013
At E21 ...	52.90	1.5922	29.41	.8852
At E22 ...	55.58	1.6728	32.09	.9658
At E23 ...	51.82	1.5597	29.33	.8527
At E11 ...	55.41	1.6677	31.92	.9607
At E12 ...	55.79	1.6793	32.30	.9723
At E13 ...	50.32	1.5146	26.83	.8076
Average...	52.65	1.5848	29.16	.8778
At S31 ...	-12.70	-.3822	-36.19	-1.0892
At S32 ...	-11.77	-.3544	-35.26	-1.0614
At S33 ...	-12.81	-.3855	-36.30	-1.0925
At S21 ...	-14.59	-.4391	-38.08	-1.1461
At S22 ...	-14.78	-.4449	-38.27	-1.1519
At S23 ...	-12.23	-.3680	-35.72	-1.0750
At S11 ...	-15.97	-.4807	-39.46	-1.1377
At S12 ...	-19.27	-.5800	-42.76	-1.2870
At S13 ...	-18.25	-.5494	-41.74	-1.2564
Average...	-14.71	-.4427	-38.20	-1.1497
At W31 ...	-7.28	-.2192	-30.77	-.9263
At W32 ...	-7.45	-.2243	-30.94	-.9313
At W33 ...	-8.12	-.2444	-31.61	-.9514
At W21 ...	-4.71	-.1418	-28.20	-.8488
At W22 ...	-3.16	-.0950	-26.65	-.8020
At W23 ...	-4.34	-.1305	-27.63	-.8376
At W11 ...	-.94	-.0281	-24.43	-.7352
At W12 ...	.18	.0054	-23.31	-.7016
At W13 ...	-.93	-.0273	-24.42	-.7349
Average...	-4.08	-.1229	-27.57	-.8299

Internal pressure (I4) is: -23.66 Pa.
Internal pressure (I3) is: -23.34 Pa.
Internal pressure (I2) is: -23.56 Pa.
Internal pressure (I1) is: -23.40 Pa.
Average internal pressure is: -23.49 Pa.

Temperature inside is: 23.07 Degree C.
Temperature outside is: 23.15 Degree C.

Wind velocity of wind tunnel is: 7.47 m/s.

Mechanical ventilation flow rate is: 0.00 cfm.

Wind angle is: 90 Degree.

Type of flow is: UNIFORM

Location of opening: ALL OPEN / 10 SECONDS

PRESSURE AND PRESSURE COEFFICIENT FOR TEST62

NOTE:

dP = PRESSURE DIFFERENCE ACROSS THE WALL.
dPw = EXTERNAL PRESSURE WRT REFERENCE PRESSURE.
Cp = PRESSURE COEFFICIENT BASED ON dP.
Cpw = PRESSURE COEFFICIENT BASED ON dPw.

	dP (Pa)	Cp	dPw (Pa)	Cpw
At N31 ...	61.26	1.0262	37.00	.6198
At N32 ...	65.91	1.1042	41.65	.6977
At N33 ...	62.61	1.0489	38.34	.6424
At N21 ...	50.72	.8496	26.45	.4432
At N22 ...	55.18	.9244	30.91	.5179
At N23 ...	49.95	.8368	25.69	.4303
At N11 ...	43.52	.7292	19.26	.3227
At N12 ...	45.75	.7665	21.49	.3600
At N13 ...	40.58	.6798	16.31	.2733
Average...	52.83	.8851	28.57	.4786
At E31 ...	-17.61	-.2950	-41.97	-.7014
At E32 ...	-30.56	-.5119	-54.82	-.9184
At E33 ...	-28.16	-.4718	-52.43	-.8783
At E21 ...	-15.39	-.2578	-39.65	-.6642
At E22 ...	-28.17	-.4720	-52.43	-.8784
At E23 ...	-25.85	-.4330	-50.11	-.8395
At E11 ...	-6.62	-.1108	-30.88	-.5173
At E12 ...	-25.99	-.4354	-50.25	-.8419
At E13 ...	-32.36	-.5421	-56.62	-.9486
Average...	-23.41	-.3922	-47.67	-.7987
At S31 ...	-.32	-.0054	-24.58	-.4119
At S32 ...	.89	.0149	-23.37	-.3916
At S33 ...	-.19	-.0031	-24.45	-.4095
At S21 ...	1.68	.0281	-22.58	-.3783
At S22 ...	2.13	.0356	-22.14	-.3708
At S23 ...	1.80	.0302	-22.46	-.3763
At S11 ...	2.36	.0396	-21.90	-.3668
At S12 ...	2.35	.0394	-21.91	-.3671
At S13 ...	2.35	.0393	-21.91	-.3671
Average...	1.45	.0243	-22.81	-.3822
At W31 ...	-27.34	-.4664	-52.10	-.8729
At W32 ...	-26.99	-.4521	-51.25	-.8585
At W33 ...	-13.84	-.2296	-37.91	-.6350
At W21 ...	-23.85	-.3996	-48.11	-.8060
At W22 ...	-25.15	-.4213	-49.41	-.8278
At W23 ...	-15.54	-.2603	-39.80	-.6668
At W11 ...	-26.56	-.4450	-50.82	-.8515
At W12 ...	-25.55	-.4260	-49.81	-.8345
At W13 ...	-11.95	-.2003	-36.22	-.6067
Average...	-21.90	-.3668	-46.16	-.7733

Internal pressure (I4) is: -24.18 Pa.
Internal pressure (I3) is: -24.49 Pa.
Internal pressure (I2) is: -24.26 Pa.
Internal pressure (I1) is: -24.13 Pa.
Average internal pressure is: -24.26 Pa.

Temperature inside is: 22.30 Degree C.
Temperature outside is: 22.33 Degree C.

Wind velocity of wind tunnel is: 3.99 m/s

Mechanical ventilation flow rate is: 0.00 cfm.

Wind angle is: 0 Degree.

Type of flow is: SHEAR

Location of opening: ALL OPEN

PRESSURE AND PRESSURE COEFFICIENT FOR TEST63

NOTE:

dP = PRESSURE DIFFERENCE ACROSS THE WALL.
dPw = EXTERNAL PRESSURE WRT REFERENCE PRESSURE.
Cp = PRESSURE COEFFICIENT BASED ON dP.
Cpw = PRESSURE COEFFICIENT BASED ON dPw.

	dP (Pa)	Cp	dPw (Pa)	Cpw
-----	-----	---	-----	----
At N31 ...	57.76	.9734	36.25	.6109
At N32 ...	54.98	.9265	33.47	.5641
At N33 ...	47.56	.8015	26.05	.4390
At N21 ...	49.09	.8273	27.58	.4648
At N22 ...	48.70	.8207	27.19	.4583
At N23 ...	42.63	.7184	21.12	.3560
At N11 ...	42.02	.7081	20.51	.3457
At N12 ...	41.41	.6978	19.90	.3353
At N13 ...	35.81	.6035	14.30	.2410
Average...	46.66	.7364	25.15	.4239
At E31 ...	2.50	.0421	-19.01	-.3204
At E32 ...	-13.67	-.2304	-35.18	-.5929
At E33 ...	-36.03	-.6072	-57.54	-.9696
At E21 ...	3.36	.0566	-18.15	-.3059
At E22 ...	-8.96	-.1510	-30.47	-.5135
At E23 ...	-32.95	-.5553	-54.46	-.9178
At E11 ...	6.38	.1075	-15.13	-.2550
At E12 ...	1.80	.0304	-19.70	-.3321
At E13 ...	-22.94	-.3866	-44.45	-.7491
Average...	-11.17	-.1882	-32.69	-.5507
At S31 ...	-6.13	-.1033	-27.64	-.4658
At S32 ...	-4.39	-.0823	-26.40	-.4448
At S33 ...	-4.25	-.0716	-25.76	-.4341
At S21 ...	-2.99	-.0503	-24.49	-.4128
At S22 ...	-2.18	-.0368	-23.69	-.3992
At S23 ...	-2.64	-.0445	-24.15	-.4069
At S11 ...	-2.47	-.0417	-23.98	-.4042
At S12 ...	-2.15	-.0362	-23.66	-.3987
At S13 ...	-1.48	-.0249	-22.99	-.3874
Average...	-3.24	-.0546	-24.75	-.4171
At W31 ...	-17.85	-.3008	-39.36	-.6632
At W32 ...	-19.13	-.3223	-40.64	-.6848
At W33 ...	-17.63	-.2971	-39.14	-.6596
At W21 ...	-16.68	-.2812	-38.19	-.6436
At W22 ...	-18.22	-.3070	-39.72	-.6694
At W23 ...	-19.06	-.3212	-40.57	-.6837
At W11 ...	-19.57	-.3298	-41.08	-.6922
At W12 ...	-20.75	-.3496	-42.26	-.7121
At W13 ...	-19.36	-.3263	-40.87	-.6887
Average...	-18.69	-.3150	-40.20	-.6775

Internal pressure (I4) is: -21.35 Pa.
Internal pressure (I3) is: -21.53 Pa.
Internal pressure (I2) is: -21.71 Pa.
Internal pressure (I1) is: -21.45 Pa.
Average internal pressure is: -21.51 Pa.

Temperature inside is: 23.32 Degree C.
Temperature outside is: 23.52 Degree C.

Wind velocity of wind tunnel is: 9.98 m/s.

Mechanical ventilation flow rate is: 0.00 cfm.

Wind angle is: 10 Degree.

Type of flow is: SHEAR

Location of opening: ALL OPEN / 10 SECONDS

PRESSURE AND PRESSURE COEFFICIENT FOR TEST64

NOTE:

dP = PRESSURE DIFFERENCE ACROSS THE WALL.
dPw = EXTERNAL PRESSURE WRT REFERENCE PRESSURE.
Cp = PRESSURE COEFFICIENT BASED ON dP.
Cpw = PRESSURE COEFFICIENT BASED ON dPw.

	dP (Pa)	Cp	dPw (Pa)	Cpw
At N31 ...	55.34	.9231	37.67	.6284
At N32 ...	49.93	.8329	32.27	.5382
At N33 ...	37.72	.6291	20.05	.3345
At N21 ...	46.47	.7751	28.80	.4804
At N22 ...	43.96	.7333	26.30	.4386
At N23 ...	34.87	.5817	17.21	.2871
At N11 ...	38.80	.6472	21.14	.3525
At N12 ...	35.95	.5996	18.28	.3049
At N13 ...	29.30	.4887	11.63	.1940
Average...	41.37	.6901	23.71	.3954
At E31 ...	5.80	.0967	-11.87	-.1980
At E32 ...	10.85	.1810	-6.82	-.1137
At E33 ...	-3.84	-.0641	-21.51	-.3587
At E21 ...	6.74	.1124	-10.93	-.1822
At E22 ...	10.35	.1726	-7.32	-.1221
At E23 ...	-1.86	-.0310	-19.52	-.3257
At E11 ...	7.68	.1281	-9.99	-.1666
At E12 ...	11.75	.1959	-5.92	-.0987
At E13 ...	7.17	.1196	-10.49	-.1750
Average...	6.07	.1012	-11.60	-.1934
At S31 ...	-13.70	-.2286	-31.37	-.5233
At S32 ...	-12.30	-.2051	-29.96	-.4997
At S33 ...	-11.44	-.1908	-29.11	-.4855
At S21 ...	-11.09	-.1850	-28.76	-.4797
At S22 ...	-10.46	-.1745	-28.13	-.4692
At S23 ...	-9.57	-.1596	-27.23	-.4542
At S11 ...	-8.75	-.1459	-26.41	-.4406
At S12 ...	-9.24	-.1542	-26.91	-.4488
At S13 ...	-8.51	-.1420	-26.18	-.4367
Average...	-10.56	-.1762	-28.23	-.4709
At W31 ...	-20.86	-.3479	-38.53	-.6426
At W32 ...	-21.82	-.3640	-39.49	-.6587
At W33 ...	-23.67	-.3948	-41.34	-.6895
At W21 ...	-19.64	-.3276	-37.31	-.6223
At W22 ...	-21.76	-.3629	-39.42	-.6576
At W23 ...	-24.31	-.4055	-41.97	-.7001
At W11 ...	-19.31	-.3220	-36.97	-.6167
At W12 ...	-21.33	-.3557	-38.99	-.6504
At W13 ...	-23.03	-.3842	-40.70	-.6739
Average...	-21.75	-.3628	-39.41	-.6574

Internal pressure (I4) is: -17.32 Pa.
Internal pressure (I3) is: -17.62 Pa.
Internal pressure (I2) is: -17.49 Pa.
Internal pressure (I1) is: -17.74 Pa.
Average internal pressure is: -17.67 Pa.

Temperature inside is: 23.04 Degree C.
Temperature outside is: 23.07 Degree C.

Wind velocity of wind tunnel is: 10.03 m/s.

Mechanical ventilation flow rate is: 0.00 cfm.

Wind angle is: 20 Degree.

Type of flow is: SHEAR

Location of opening: ALL OPEN / 10 SECONDS

PRESSURE AND PRESSURE COEFFICIENT FOR TEST65

NOTE:

dP = PRESSURE DIFFERENCE ACROSS THE WALL.
dPw = EXTERNAL PRESSURE WRT REFERENCE PRESSURE.
Cp = PRESSURE COEFFICIENT BASED ON dP.
Cpw = PRESSURE COEFFICIENT BASED ON dPw.

	dP (Pa)	Cp	dPw (Pa)	Cpw
-----	-----	---	-----	---
At N31	47.37	.7847	33.40	.5534
At N32 ...	39.70	.6577	25.74	.4264
At N33 ...	24.15	.4001	10.19	.1687
At N21 ...	40.74	.6748	26.77	.4435
At N22 ...	36.25	.6006	22.29	.3693
At N23 ...	24.71	.4094	10.75	.1781
At N11 ...	32.07	.5313	18.11	.3000
At N12 ...	29.03	.4810	15.07	.2496
At N13 ...	21.26	.3521	7.29	.1208
Average...	32.81	.5435	18.84	.3122
At E31	9.18	.1522	-4.78	-.0792
At E32 ...	16.85	.2792	2.89	.0478
At E33 ...	24.46	.4052	10.49	.1738
At E21 ...	9.42	.1560	-4.55	-.0753
At E22 ...	16.53	.2738	2.56	.0424
At E23 ...	22.31	.3635	8.34	.1382
At E11 ...	10.65	.1764	-3.32	-.0550
At E12 ...	17.15	.2841	3.18	.0527
At E13 ...	20.36	.3373	6.40	.1060
Average...	16.32	.2704	2.36	.0390
At S31 ...	-21.29	-.3527	-35.26	-.5841
At S32 ...	-19.65	-.3256	-33.62	-.5569
At S33 ...	-19.07	-.3159	-33.03	-.5472
At S21 ...	-19.11	-.3166	-33.08	-.5480
At S22 ...	-18.48	-.3062	-32.45	-.5376
At S23 ...	-17.30	-.2867	-31.27	-.5180
At S11 ...	-15.10	-.2502	-29.07	-.4815
At S12 ...	-15.72	-.2634	-29.68	-.4917
At S13 ...	-14.64	-.2425	-28.60	-.4738
Average...	-17.82	-.2952	-31.78	-.5265
At W31 ...	-25.91	-.4293	-39.88	-.6607
At W32 ...	-26.43	-.4379	-40.40	-.6692
At W33 ...	-28.17	-.4667	-42.13	-.6980
At W21 ...	-23.56	-.3903	-37.53	-.6217
At W22 ...	-25.41	-.4210	-39.38	-.6523
At W23 ...	-28.13	-.4661	-42.10	-.6974
At W11 ...	-21.29	-.3527	-35.26	-.5841
At W12 ...	-22.89	-.3791	-36.85	-.6105
At W13 ...	-25.90	-.4291	-39.87	-.6605
Average...	-25.30	-.4191	-39.27	-.6505

Internal pressure (I4) is: -13.85 Pa.
Internal pressure (I3) is: -13.90 Pa.
Internal pressure (I2) is: -14.19 Pa.
Internal pressure (I1) is: -13.92 Pa.
Average internal pressure is: -13.96 Pa.

Temperature inside is: 22.85 Degree C.
Temperature outside is: 22.90 Degree C.

Wind velocity of wind tunnel is: 10.06 m/s.

Mechanical ventilation flow rate is: 0.00 cfm.

Wind angle is: 30 Degree.

Type of flow is: SHEAR

Location of opening: ALL OPEN / 10 SECONDS

PRESSURE AND PRESSURE COEFFICIENT FOR TEST66

NOTE:

dP = PRESSURE DIFFERENCE ACROSS THE WALL.
dPw = EXTERNAL PRESSURE WRT REFERENCE PRESSURE.
Cp = PRESSURE COEFFICIENT BASED ON dP.
Cpw = PRESSURE COEFFICIENT BASED ON dPw.

	dP (Pa)	Cp	dPw (Pa)	Cpw
At N31 ...	37.70	.6206	24.20	.3984
At N32 ...	33.93	.5093	17.44	.2371
At N33 ...	16.47	.2711	2.97	.0439
At N21 ...	33.71	.5549	20.21	.3327
At N22 ...	28.14	.4633	14.64	.2410
At N23 ...	18.01	.2965	4.51	.0743
At N11 ...	27.77	.4571	14.27	.2349
At N12 ...	24.02	.3954	10.52	.1732
At N13 ...	16.25	.2676	2.76	.0454
Average...	25.89	.4262	12.39	.2040
At E31 ...	17.57	.2893	4.07	.0671
At E32 ...	28.27	.4654	14.77	.2432
At E33 ...	37.67	.6202	24.17	.3980
At E21 ...	17.53	.2886	4.03	.0664
At E22 ...	25.79	.4246	12.29	.2023
At E23 ...	33.50	.5516	20.01	.3294
At E11 ...	17.19	.2829	3.69	.0607
At E12 ...	24.78	.4079	11.28	.1857
At E13 ...	28.85	.4749	15.35	.2527
Average...	25.68	.4228	12.13	.2006
At S31 ...	-25.93	-.4268	-39.42	-.6490
At S32 ...	-24.41	-.4019	-37.91	-.6241
At S33 ...	-22.78	-.3750	-36.23	-.5972
At S21 ...	-22.74	-.3744	-36.24	-.5966
At S22 ...	-22.65	-.3729	-36.15	-.5951
At S23 ...	-21.20	-.3491	-34.70	-.5713
At S11 ...	-20.15	-.3318	-33.65	-.5540
At S12 ...	-18.70	-.3078	-32.19	-.5300
At S13 ...	-16.94	-.2789	-30.44	-.5012
Average...	-21.72	-.3576	-35.22	-.5798
At W31 ...	-24.62	-.4053	-38.11	-.6275
At W32 ...	-25.83	-.4253	-39.33	-.6475
At W33 ...	-29.04	-.4781	-42.54	-.7003
At W21 ...	-22.33	-.3677	-35.83	-.5899
At W22 ...	-24.96	-.4109	-38.45	-.6331
At W23 ...	-27.93	-.4598	-41.43	-.6820
At W11 ...	-18.21	-.2998	-31.71	-.5220
At W12 ...	-20.80	-.3424	-34.29	-.5646
At W13 ...	-22.41	-.3689	-35.91	-.5912
Average...	-24.01	-.3953	-37.51	-.6176

Internal pressure (I4) is: -13.40 Pa.
Internal pressure (I3) is: -13.65 Pa.
Internal pressure (I2) is: -13.75 Pa.
Internal pressure (I1) is: -13.19 Pa.
Average internal pressure is: -13.50 Pa.

Temperature inside is: 22.82 Degree C.
Temperature outside is: 22.86 Degree C.

Wind velocity of wind tunnel is: 10.09 m/s.

Mechanical ventilation flow rate is: 0.00 cfh.

Wind angle is: 40 Degree.

Type of flow is: SHEAR

Location of opening: ALL OPEN / 15 SECONDS

PRESSURE AND PRESSURE COEFFICIENT FOR TEST67

NOTE:

dP = PRESSURE DIFFERENCE ACROSS THE WALL.
dPw = EXTERNAL PRESSURE WRT REFERENCE PRESSURE.
Cp = PRESSURE COEFFICIENT BASED ON dP.
Cpw = PRESSURE COEFFICIENT BASED ON dPw.

	dP (Pa)	Cp	dPw (Pa)	Cpw
-----	-----	---	-----	---
At N31 ...	31.33	.5220	17.61	.2934
At N32 ...	25.05	.4173	11.33	.1887
At N33 ...	10.82	.1803	-2.90	-.0434
At N21 ...	29.57	.4927	15.85	.2641
At N22 ...	23.70	.3948	9.97	.1662
At N23 ...	13.42	.2236	-.30	-.0050
At N11 ...	25.08	.4178	11.35	.1892
At N12 ...	20.59	.3430	6.86	.1144
At N13 ...	13.37	.2229	-.33	-.0059
Average...	21.44	.3571	7.71	.1285
At E31 ...	24.38	.4061	10.65	.1775
At E32 ...	33.52	.5584	19.79	.3298
At E33 ...	43.68	.7278	29.96	.4991
At E21 ...	21.86	.3643	8.14	.1356
At E22 ...	31.62	.5267	17.89	.2981
At E23 ...	40.25	.6706	26.53	.4419
At E11 ...	20.58	.3429	6.86	.1143
At E12 ...	28.54	.4755	14.82	.2468
At E13 ...	32.69	.5446	18.97	.3160
Average...	30.79	.5130	17.07	.2844
At S31 ...	-26.17	-.4359	-39.89	-.6646
At S32 ...	-24.85	-.4141	-38.58	-.6427
At S33 ...	-24.02	-.4001	-37.74	-.6287
At S21 ...	-24.10	-.4015	-37.82	-.6301
At S22 ...	-23.31	-.3884	-37.04	-.6170
At S23 ...	-21.75	-.3623	-35.47	-.5910
At S11 ...	-20.31	-.3384	-34.03	-.5670
At S12 ...	-20.55	-.3423	-34.27	-.5710
At S13 ...	-17.33	-.2888	-31.06	-.5174
Average...	-22.49	-.3746	-36.21	-.6033
At W31 ...	-23.67	-.3943	-37.39	-.6229
At W32 ...	-24.86	-.4143	-38.59	-.6429
At W33 ...	-27.06	-.4508	-40.78	-.6794
At W21 ...	-22.26	-.3708	-35.98	-.5994
At W22 ...	-24.38	-.4062	-38.11	-.6349
At W23 ...	-26.24	-.4372	-39.97	-.6659
At W11 ...	-17.60	-.2932	-31.32	-.5218
At W12 ...	-19.78	-.3295	-33.50	-.5581
At W13 ...	-20.92	-.3486	-34.65	-.5772
Average...	-22.97	-.3828	-36.70	-.6114

Internal pressure (I4) is: -13.70 Pa.
Internal pressure (I3) is: -13.62 Pa.
Internal pressure (I2) is: -13.35 Pa.
Internal pressure (I1) is: -13.72 Pa.
Average internal pressure is: -13.72 Pa.

Temperature inside is: 22.77 Degree C.
Temperature outside is: 22.82 Degree C.

Wind velocity of wind tunnel is: 10.03 m/s.

Mechanical ventilation flow rate is: 0.00 cfh.

Wind angle is: 45 Degree.

Type of flow is: SHEAR

Location of opening: ALL OPEN / 15 SECONDS

PRESSURE AND PRESSURE COEFFICIENT FOR TEST68

NOTE:

dP = PRESSURE DIFFERENCE ACROSS THE WALL.
dPw = EXTERNAL PRESSURE WRT REFERENCE PRESSURE.
Cp = PRESSURE COEFFICIENT BASED ON dP.
Cpw = PRESSURE COEFFICIENT BASED ON dPw.

	dP (Pa)	Cp	dPw (Pa)	Cpw
At N31 ...	26.52	.4352	11.99	.1967
At N32 ...	20.78	.3410	6.25	.1025
At N33 ...	6.70	.1099	-7.84	-.1286
At N21 ...	24.50	.4020	9.96	.1635
At N22 ...	21.60	.3545	7.07	.1160
At N23 ...	10.16	.1667	-4.37	-.0718
At N11 ...	21.97	.3605	7.43	.1220
At N12 ...	18.04	.2961	3.51	.0576
At N13 ...	11.59	.1902	-2.94	-.0483
Average...	17.98	.2951	3.45	.0566
At E31 ...	28.96	.4752	14.42	.2367
At E32 ...	38.89	.6332	24.36	.3997
At E33 ...	47.91	.7863	33.38	.5477
At E21 ...	26.95	.4423	12.42	.2038
At E22 ...	35.65	.5851	21.12	.3465
At E23 ...	42.55	.6983	29.02	.4598
At E11 ...	23.54	.3864	9.01	.1479
At E12 ...	31.52	.5172	16.98	.2787
At E13 ...	34.85	.5719	20.32	.3334
Average...	34.54	.5668	20.00	.3282
At S31 ...	-30.26	-.4967	-44.80	-.7352
At S32 ...	-27.98	-.4591	-42.51	-.6976
At S33 ...	-25.46	-.4179	-40.00	-.6564
At S21 ...	-26.32	-.4320	-40.85	-.6705
At S22 ...	-25.04	-.4110	-39.58	-.6495
At S23 ...	-22.89	-.3757	-37.43	-.6142
At S11 ...	-22.76	-.3736	-37.30	-.6121
At S12 ...	-22.26	-.3653	-36.79	-.6033
At S13 ...	-18.80	-.3085	-33.33	-.5470
Average...	-24.64	-.4044	-39.18	-.6429
At W31 ...	-24.21	-.3973	-38.74	-.6358
At W32 ...	-26.16	-.4294	-40.70	-.6679
At W33 ...	-27.76	-.4556	-42.30	-.6941
At W21 ...	-22.02	-.3613	-36.55	-.5899
At W22 ...	-24.94	-.4092	-39.47	-.6477
At W23 ...	-25.89	-.4249	-40.42	-.6634
At W11 ...	-17.60	-.2889	-32.14	-.5274
At W12 ...	-20.46	-.3358	-34.99	-.5743
At W13 ...	-19.48	-.3197	-34.02	-.5583
Average...	-23.17	-.3802	-37.70	-.6187

Internal pressure (I4) is: -14.56 Pa.
Internal pressure (I3) is: -14.61 Pa.
Internal pressure (I2) is: -14.33 Pa.
Internal pressure (I1) is: -14.64 Pa.
Average internal pressure is: -14.53 Pa.

Temperature inside is: 20.15 Degree C.
Temperature outside is: 20.25 Degree C.

Wind velocity of wind tunnel is: 10.06 m/s.

Mechanical ventilation flow rate is: 0.00 cfh.

Wind angle is: 50 Degree.

Type of flow is: SHEAR

Location of opening: ALL OPEN / 15 SECONDS

PRESSURE AND PRESSURE COEFFICIENT FOR TEST77

NOTE:

dP = PRESSURE DIFFERENCE ACROSS THE WALL.
dPw = EXTERNAL PRESSURE WRT REFERENCE PRESSURE.
Cp = PRESSURE COEFFICIENT BASED ON dP.
Cpw = PRESSURE COEFFICIENT BASED ON dPw.

	dP (Pa)	Cp	dPw (Pa)	Cpw
At N31 ...	15.20	.2500	.10	.0016
At N32 ...	13.00	.2139	-2.09	-.0344
At N33 ...	1.44	.0236	-13.66	-.2243
At N21 ...	11.32	.1863	-3.77	-.0621
At N22 ...	13.32	.2274	-1.27	-.0210
At N23 ...	4.55	.0749	-10.55	-.1735
At N11 ...	6.81	.1120	-8.29	-.1364
At N12 ...	11.65	.1917	-3.44	-.0566
At N13 ...	7.00	.1151	-8.10	-.1332
Average...	9.42	.1550	-5.68	-.0934
At E31 ...	39.10	.6433	24.01	.3949
At E32 ...	49.05	.8069	33.95	.5586
At E33 ...	54.07	.8896	38.98	.6412
At E21 ...	36.23	.5961	21.14	.3477
At E22 ...	44.06	.7248	28.96	.4765
At E23 ...	48.94	.8051	33.84	.5567
At E11 ...	31.48	.5178	16.38	.2695
At E12 ...	37.67	.6198	22.57	.3714
At E13 ...	39.63	.6520	24.54	.4036
Average...	42.25	.6950	27.15	.4467
At S31 ...	-28.22	-.4642	-43.31	-.7126
At S32 ...	-24.97	-.4108	-40.06	-.6591
At S33 ...	-23.94	-.3938	-39.03	-.6422
At S21 ...	-26.15	-.4303	-41.25	-.6786
At S22 ...	-23.67	-.3895	-38.77	-.6378
At S23 ...	-21.36	-.3515	-36.46	-.5996
At S11 ...	-25.05	-.4121	-40.15	-.6605
At S12 ...	-20.71	-.3407	-35.81	-.5891
At S13 ...	-18.78	-.3090	-33.88	-.5574
Average...	-23.65	-.3891	-38.75	-.6375
At W31 ...	-18.02	-.2965	-33.12	-.5446
At W32 ...	-19.35	-.3183	-34.44	-.5667
At W33 ...	-21.20	-.3488	-36.30	-.5971
At W21 ...	-16.54	-.2721	-31.64	-.5205
At W22 ...	-18.34	-.3017	-33.44	-.5501
At W23 ...	-18.27	-.3006	-33.37	-.5490
At W11 ...	-13.61	-.2240	-28.71	-.4723
At W12 ...	-14.67	-.2413	-29.76	-.4897
At W13 ...	-14.24	-.2343	-29.34	-.4827
Average...	-17.14	-.2620	-32.24	-.5303

Internal pressure (I4) is: -15.33 Pa.
Internal pressure (I3) is: -15.00 Pa.
Internal pressure (I2) is: -15.23 Pa.
Internal pressure (I1) is: -14.83 Pa.
Average internal pressure is: -15.10 Pa.

Temperature inside is: 20.85 Degree C.
Temperature outside is: 20.99 Degree C.

Wind velocity of wind tunnel is: 10.06 m/s.

Mechanical ventilation flow rate is: 0.00 cfm.

Wind angle is: 60 Degree.

Type of flow is: SHEAR

Location of opening: ALL OPEN / 15 SECONDS

PRESSURE AND PRESSURE COEFFICIENT FOR TEST79

NOTE:

dP = PRESSURE DIFFERENCE ACROSS THE WALL.
dPw = EXTERNAL PRESSURE WRT REFERENCE PRESSURE.
Cp = PRESSURE COEFFICIENT BASED ON dP.
Cpw = PRESSURE COEFFICIENT BASED ON dPw.

	dP (Pa)	Cp	dPw (Pa)	Cpw
	-----	--	-----	---
At N31 ...	-24.40	-.4028	-44.69	-.7377
At N32 ...	8.49	.1402	-11.80	-.1947
At N33 ...	2.08	.0343	-18.21	-.3007
At N21 ...	-22.36	-.3692	-42.65	-.7042
At N22 ...	4.51	.0745	-15.78	-.2605
At N23 ...	4.02	.0664	-16.27	-.2636
At N11 ...	-12.62	-.2083	-32.91	-.5432
At N12 ...	3.19	.0527	-17.10	-.2822
At N13 ...	5.77	.0952	-14.52	-.2397
Average...	-3.48	-.0574	-23.77	-.3924
At E31 ...	55.80	.9211	35.51	.5862
At E32 ...	60.45	.9979	40.16	.6630
At E33 ...	63.63	.9505	43.34	.7155
At E21 ...	47.96	.7913	27.67	.4568
At E22 ...	52.61	.8685	32.32	.5335
At E23 ...	51.79	.8549	31.50	.5200
At E11 ...	39.61	.6540	19.32	.3190
At E12 ...	44.41	.7332	24.12	.3982
At E13 ...	43.55	.7190	23.26	.3840
Average...	51.03	.8434	30.80	.5085
At S31 ...	-21.25	-.3509	-41.54	-.6858
At S32 ...	-19.51	-.3220	-39.80	-.6570
At S33 ...	-18.58	-.3068	-38.87	-.6418
At S21 ...	-22.69	-.3746	-42.98	-.7095
At S22 ...	-19.68	-.3248	-39.97	-.6588
At S23 ...	-17.59	-.2904	-37.88	-.6254
At S11 ...	-22.92	-.3783	-43.21	-.7133
At S12 ...	-21.00	-.3466	-41.29	-.6816
At S13 ...	-18.90	-.3121	-39.19	-.6470
Average...	-20.24	-.3341	-40.53	-.6690
At W31 ...	-11.36	-.1876	-31.65	-.5226
At W32 ...	-12.16	-.2008	-32.45	-.5357
At W33 ...	-13.13	-.2167	-33.42	-.5517
At W21 ...	-9.88	-.1630	-30.17	-.4980
At W22 ...	-10.79	-.1782	-31.08	-.5132
At W23 ...	-9.75	-.1610	-30.04	-.4959
At W11 ...	-7.90	-.1304	-28.19	-.4654
At W12 ...	-8.62	-.1423	-28.91	-.4772
At W13 ...	-8.22	-.1357	-28.51	-.4706
Average...	-10.20	-.1684	-30.49	-.5034

Internal pressure (I4) is: -20.14 Pa.
Internal pressure (I3) is: -20.12 Pa.
Internal pressure (I2) is: -20.53 Pa.
Internal pressure (I1) is: -20.37 Pa.
Average internal pressure is: -20.29 Pa.

Temperature inside is: 19.69 Degree C.
Temperature outside is: 19.96 Degree C.

Wind velocity of wind tunnel is: 10.02 m/s.

Mechanical ventilation flow rate is: 0.00 cfh.

Wind angle is: 70 Degree.

Type of flow is: SHEAR

Location of opening: ALL OPEN / 15 SECONDS

PRESSURE AND PRESSURE COEFFICIENT FOR TEST79

NOTE:

dP = PRESSURE DIFFERENCE ACROSS THE WALL.
dPw = EXTERNAL PRESSURE WRT REFERENCE PRESSURE.
Cp = PRESSURE COEFFICIENT BASED ON dP.
Cpw = PRESSURE COEFFICIENT BASED ON dPw.

	dP (Pa)	Cp	dPw (Pa)	Cpw
At N31 ...	-45.08	-.7344	-68.96	-1.1235
At N32 ...	-19.30	-.3144	-43.13	-.7036
At N33 ...	-3.20	-.0521	-27.09	-.4413
At N21 ...	-34.69	-.5651	-58.57	-.9543
At N22 ...	-23.15	-.3772	-47.04	-.7663
At N23 ...	-6.63	-.1080	-30.52	-.4972
At N11 ...	-32.01	-.5216	-55.90	-.9107
At N12 ...	-18.56	-.3025	-42.45	-.6916
At N13 ...	-.98	-.0159	-24.86	-.4051
Average...	-20.40	-.3324	-44.29	-.7215
At E31 ...	65.87	1.0732	41.96	.6840
At E32 ...	67.59	1.1011	43.70	.7120
At E33 ...	63.76	1.0387	39.87	.6496
At E21 ...	55.56	.9052	31.68	.5161
At E22 ...	56.82	.9257	32.94	.5366
At E23 ...	54.82	.8931	30.93	.5039
At E11 ...	44.23	.7206	20.34	.3314
At E12 ...	48.23	.8020	25.34	.4128
At E13 ...	42.73	.6962	18.85	.3070
Average...	55.62	.9062	31.74	.5171
At S31 ...	-18.35	-.2990	-42.24	-.6981
At S32 ...	-18.34	-.2988	-42.23	-.6979
At S33 ...	-16.63	-.2710	-40.52	-.6601
At S21 ...	-19.66	-.3039	-42.54	-.6931
At S22 ...	-19.32	-.3148	-43.21	-.7039
At S23 ...	-15.96	-.2601	-39.85	-.6492
At S11 ...	-17.62	-.2871	-41.51	-.6763
At S12 ...	-24.22	-.3946	-46.11	-.7838
At S13 ...	-20.72	-.3376	-44.61	-.7267
Average...	-18.87	-.3074	-42.76	-.6966
At W31 ...	-3.81	-.0621	-27.70	-.4512
At W32 ...	-4.61	-.0751	-29.50	-.4643
At W33 ...	-4.88	-.0795	-28.77	-.4687
At W21 ...	-3.19	-.0519	-27.07	-.4411
At W22 ...	-2.66	-.0434	-26.55	-.4325
At W23 ...	-1.21	-.0197	-25.10	-.4088
At W11 ...	-2.11	-.0343	-25.99	-.4235
At W12 ...	-1.67	-.0273	-25.56	-.4164
At W13 ...	-1.44	-.0235	-25.33	-.4126
Average...	-2.84	-.0463	-26.73	-.4355

Internal pressure (I4) is: -23.83 Pa.
Internal pressure (I3) is: -23.82 Pa.
Internal pressure (I2) is: -23.61 Pa.
Internal pressure (I1) is: -24.22 Pa.
Average internal pressure is: -23.89 Pa.

Temperature inside is: 19.81 Degree C.
Temperature outside is: 19.95 Degree C.

Wind velocity of wind tunnel is: 10.09 m/s.

Mechanical ventilation flow rate is: 0.00 cfm.

Wind angle is: 80 Degree.

Type of flow is: SHEAR

Location of opening: ALL OPEN / 15 SECONDS

PRESSURE AND PRESSURE COEFFICIENT FOR TEST30

NOTE.

dP = PRESSURE DIFFERENCE ACROSS THE WALL.
dPw = EXTERNAL PRESSURE WRT REFERENCE PRESSURE.
Cp = PRESSURE COEFFICIENT BASED ON dP.
Cpw = PRESSURE COEFFICIENT BASED ON dPw.

	dP (Pa)	Cp	dPw (Pa)	Cpw
-----	-----	---	-----	---
At N31 ...	-31.06	-.5120	-55.38	-.9130
At N32 ...	-27.91	-.4602	-52.24	-.8612
At N33 ...	-19.88	-.3278	-44.21	-.7288
At N21 ...	-23.65	-.3900	-47.98	-.7909
At N22 ...	-26.70	-.4402	-51.02	-.8412
At N23 ...	-20.59	-.3394	-44.91	-.7403
At N11 ...	-28.23	-.4654	-52.56	-.8664
At N12 ...	-26.42	-.4355	-50.74	-.8365
At N13 ...	-12.32	-.2032	-36.65	-.6041
Average...	-24.09	-.3971	-48.41	-.7981
At E31 ...	64.90	1.0699	40.57	.6339
At E32 ...	68.26	1.1253	43.93	.7243
At E33 ...	63.16	1.0413	38.84	.6403
At E21 ...	59.02	.9730	34.70	.5720
At E22 ...	57.53	.9485	33.21	.5475
At E23 ...	50.30	.8292	25.97	.4282
At E11 ...	46.49	.7665	22.17	.3655
At E12 ...	47.78	.7377	23.46	.3867
At E13 ...	40.49	.6676	16.17	.2666
Average...	55.33	.9121	31.00	.5111
At S31 ...	-17.29	-.2851	-41.61	-.6860
At S32 ...	-31.20	-.5143	-55.52	-.9153
At S33 ...	-29.91	-.4930	-54.23	-.8940
At S21 ...	-16.89	-.2785	-41.22	-.6795
At S22 ...	-28.78	-.4744	-53.10	-.8754
At S23 ...	-28.53	-.4704	-52.86	-.8714
At S11 ...	-10.03	-.1654	-34.36	-.5664
At S12 ...	-28.55	-.4707	-52.87	-.8716
At S13 ...	-36.10	-.5952	-60.42	-.9962
Average...	-25.25	-.4163	-49.58	-.8173
At W31 ...	-.51	-.0083	-24.83	-.4093
At W32 ...	-.36	-.0059	-23.97	-.3951
At W33 ...	-.02	-.0003	-24.34	-.4013
At W21 ...	1.09	.0179	-23.23	-.3830
At W22 ...	2.93	.0484	-21.39	-.3526
At W23 ...	1.43	.0235	-22.90	-.3775
At W11 ...	2.33	.0335	-21.99	-.3625
At W12 ...	3.06	.0504	-21.26	-.3505
At W13 ...	2.36	.0390	-21.96	-.3620
Average...	1.45	.0239	-22.87	-.3771

Internal pressure (I4) is: -23.95 Pa.
Internal pressure (I3) is: -23.72 Pa.
Internal pressure (I2) is: -24.30 Pa.
Internal pressure (I1) is: -24.71 Pa.
Average internal pressure is: -24.32 Pa.

Temperature inside is: 20.11 Degree C.
Temperature outside is: 20.24 Degree C.

Wind velocity of wind tunnel is: 10.04 m/s.

Mechanical ventilation flow rate is: 0.00 cfm.

Wind angle is: 90 Degree.

Type of flow is: SHEAR

Location of opening: ALL OPEN / 15 SECONDS

PRESSURE AND PRESSURE COEFFICIENT FOR TEST81

NOTE:

dP = PRESSURE DIFFERENCE ACROSS THE WALL.
dPw = EXTERNAL PRESSURE WRT REFERENCE PRESSURE.
Cp = PRESSURE COEFFICIENT BASED ON dP.
Cpw = PRESSURE COEFFICIENT BASED ON dPw.

	dP (Pa)	Cp	dPw (Pa)	Cpw
At N31 ...	-27.15	-.4436	-41.01	-.6700
At N32 ...	-26.91	-.4398	-40.77	-.6661
At N33 ...	-29.92	-.4726	-42.73	-.6989
At N21 ...	-24.09	-.3936	-37.94	-.6200
At N22 ...	-26.35	-.4306	-40.21	-.6570
At N23 ...	-28.93	-.4726	-42.78	-.6990
At N11 ...	-20.79	-.3397	-34.64	-.5661
At N12 ...	-23.24	-.3797	-37.10	-.6061
At N13 ...	-26.31	-.4298	-40.16	-.6562
Average...	-25.65	-.4224	-39.71	-.6488
At E31 ...	48.96	.3000	35.11	.5736
At E32 ...	39.16	.6399	25.31	.4135
At E33 ...	29.31	.4799	15.45	.2525
At E21 ...	41.83	.6835	27.97	.4571
At E22 ...	34.03	.5559	20.17	.3296
At E23 ...	24.02	.3925	10.17	.1662
At E11 ...	33.86	.5532	20.00	.3268
At E12 ...	28.82	.4709	14.96	.2445
At E13 ...	18.45	.3014	4.59	.0750
Average...	33.16	.5418	19.30	.3154
At S31 ...	8.00	.1308	-5.85	-.0956
At S32 ...	16.47	.2692	2.62	.0428
At S33 ...	21.79	.3559	7.93	.1296
At S21 ...	7.16	.1170	-6.70	-.1094
At S22 ...	16.46	.2690	2.61	.0426
At S23 ...	-21.56	.3523	7.70	.1259
At S11 ...	10.10	.1651	-3.75	-.0613
At S12 ...	16.13	.2636	2.28	.0372
At S13 ...	20.65	.3374	6.79	.1110
Average...	15.37	.2511	1.51	.0247
At W31 ...	-22.37	-.3655	-36.22	-.5918
At W32 ...	-20.24	-.3306	-34.09	-.5570
At W33 ...	-19.76	-.3228	-33.61	-.5492
At W21 ...	-19.35	-.3244	-33.71	-.5507
At W22 ...	-19.35	-.3161	-33.20	-.5425
At W23 ...	-17.41	-.2845	-31.27	-.5109
At W11 ...	-15.11	-.2468	-28.96	-.4732
At W12 ...	-16.21	-.2649	-30.07	-.4913
At W13 ...	-14.97	-.2445	-28.82	-.4729
Average...	-18.36	-.3000	-32.22	-.5264

Internal pressure (I4) is: -14.00 Pa.
Internal pressure (I3) is: -13.85 Pa.
Internal pressure (I2) is: -13.80 Pa.
Internal pressure (I1) is: -13.78 Pa.
Average internal pressure is: -13.36 Pa.

Temperature inside is: 20.32 Degree C.
Temperature outside is: 20.43 Degree C.

Wind velocity of wind tunnel is: 10.09 m/s.

Mechanical ventilation flow rate is: 0.00 cfm.

Wind angle is: 120 Degree.

Type of flow is: SHEAR

Location of opening: ALL OPEN / 15 SECONDS

PRESSURE AND PRESSURE COEFFICIENT FOR TEST82

NOTE:

dP = PRESSURE DIFFERENCE ACROSS THE WALL.
dPw = EXTERNAL PRESSURE WRT REFERENCE PRESSURE.
Cp = PRESSURE COEFFICIENT BASED ON dP.
Cpw = PRESSURE COEFFICIENT BASED ON dPw.

	dP (Pa)	Cp	dPw (Pa)	Cpw
At N31 ...	-19.51	-.3254	-34.41	-.5740
At N32 ...	-20.15	-.3362	-35.06	-.5847
At N33 ...	-22.66	-.3780	-37.56	-.6266
At N21 ...	-18.12	-.3023	-33.02	-.5508
At N22 ...	-18.66	-.3112	-33.56	-.5597
At N23 ...	-19.64	-.3275	-34.54	-.5761
At N11 ...	-14.04	-.2342	-29.94	-.4823
At N12 ...	-15.72	-.2622	-30.62	-.5107
At N13 ...	-14.77	-.2464	-29.68	-.4950
Average...	-18.14	-.3026	-33.04	-.5511
At E31 ...	17.22	.2873	2.32	.0387
At E32 ...	11.94	.1992	-2.96	-.0494
At E33 ...	6.63	.1106	-8.27	-.1380
At E21 ...	12.48	.2082	-2.42	-.0403
At E22 ...	11.88	.1981	-3.02	-.0504
At E23 ...	4.33	.0722	-10.57	-.1763
At E11 ...	8.55	.1427	-6.35	-.1059
At E12 ...	11.32	.1888	-3.58	-.0597
At E13 ...	4.57	.0763	-10.33	-.1722
Average...	9.88	.1648	-5.02	-.0837
At S31 ...	38.21	.6373	23.30	.3887
At S32 ...	46.81	.7807	31.91	.5322
At S33 ...	55.27	.9218	40.37	.6733
At S21 ...	32.69	.5452	17.79	.2967
At S22 ...	44.08	.7353	29.18	.4867
At S23 ...	48.90	.8156	34.00	.5671
At S11 ...	29.78	.4968	14.88	.2482
At S12 ...	36.48	.6086	21.58	.3600
At S13 ...	38.69	.6453	23.79	.3968
Average...	41.21	.6874	26.31	.4388
At W31 ...	-25.64	-.4276	-40.54	-.6762
At W32 ...	-25.71	-.4289	-40.62	-.6775
At W33 ...	-24.16	-.4030	-39.06	-.6515
At W21 ...	-25.53	-.4259	-40.43	-.6744
At W22 ...	-23.16	-.3863	-38.06	-.6348
At W23 ...	-20.69	-.3452	-35.60	-.5937
At W11 ...	-25.49	-.4251	-40.39	-.6737
At W12 ...	-21.98	-.3666	-36.88	-.6151
At W13 ...	-19.23	-.3207	-34.13	-.5693
Average...	-23.51	-.3921	-38.41	-.6407

Internal pressure (I4) is: -14.83 Pa.
Internal pressure (I3) is: -15.15 Pa.
Internal pressure (I2) is: -15.33 Pa.
Internal pressure (I1) is: -14.30 Pa.
Average internal pressure is: -14.90 Pa.

Temperature inside is: 20.34 Degree C.
Temperature outside is: 20.45 Degree C.

Wind velocity of wind tunnel is: 9.98 m/s.

Mechanical ventilation flow rate is: 0.00 cfh.

Wind angle is: 150 Degree.

Type of flow is: SHEAR

Location of opening: ALL OPEN / 15 SECONDS

PRESSURE AND PRESSURE COEFFICIENT FOR TEST33

NOTE:

dP = PRESSURE DIFFERENCE ACROSS THE WALL.
dPw = EXTERNAL PRESSURE WRT REFERENCE PRESSURE.
Cp = PRESSURE COEFFICIENT BASED ON dP.
Cpw = PRESSURE COEFFICIENT BASED ON dPw.

	dP (Pa)	Cp	dPw (Pa)	Cpw
-----	-----	---	-----	---
At N31 ...	-1.13	-.0186	-25.84	-.4254
At N32 ...	-1.45	-.0238	-26.16	-.4306
At N33 ...	-1.88	-.0309	-26.59	-.4377
At N21 ...	1.94	.0320	-22.77	-.3748
At N22 ...	3.57	.0587	-21.15	-.3481
At N23 ...	1.33	.0219	-23.38	-.3849
At N11 ...	1.71	.0281	-23.01	-.3737
At N12 ...	2.44	.0401	-22.27	-.3667
At N13 ...	2.77	.0455	-21.95	-.3613
Average...	1.03	.0170	-23.68	-.3898
At E31 ...	-28.58	-.4705	-53.30	-.8773
At E32 ...	-29.18	-.4803	-53.89	-.8871
At E33 ...	-16.14	-.2657	-40.85	-.6725
At E21 ...	-22.63	-.3726	-47.35	-.7794
At E22 ...	-24.45	-.4025	-49.17	-.8093
At E23 ...	-16.15	-.2658	-40.86	-.6726
At E11 ...	-28.46	-.4689	-53.19	-.8756
At E12 ...	-22.94	-.3776	-47.65	-.7644
At E13 ...	-13.22	-.2176	-37.93	-.6244
Average...	-22.42	-.3690	-47.13	-.7753
At S31 ...	66.90	1.1012	42.19	.6944
At S32 ...	67.19	1.1060	42.47	.6991
At S33 ...	59.94	.9866	35.22	.5798
At S21 ...	56.49	.9298	31.77	.5230
At S22 ...	55.58	.9149	30.87	.5081
At S23 ...	51.71	.8512	27.00	.4444
At S11 ...	45.49	.7488	20.78	.3420
At S12 ...	46.83	.7708	22.11	.3640
At S13 ...	40.81	.6719	16.10	.2650
Average...	54.55	.8979	29.83	.4911
At W31 ...	-18.33	-.3017	-43.04	-.7085
At W32 ...	-30.62	-.5041	-55.33	-.9109
At W33 ...	-30.89	-.5085	-55.60	-.9153
At W21 ...	-19.41	-.3195	-44.12	-.7263
At W22 ...	-30.38	-.5001	-55.10	-.9069
At W23 ...	-29.50	-.4692	-53.22	-.8760
At W11 ...	-9.59	-.1579	-34.31	-.5647
At W12 ...	-30.11	-.4956	-54.82	-.9024
At W13 ...	-33.59	-.5529	-58.30	-.9597
Average...	-25.71	-.4233	-50.43	-.8301

Internal pressure (I4) is: -24.66 Pa.
Internal pressure (I3) is: -24.47 Pa.
Internal pressure (I2) is: -24.93 Pa.
Internal pressure (I1) is: -24.90 Pa.
Average internal pressure is: -24.71 Pa.

Temperature inside is: 20.42 Degree C.
Temperature outside is: 20.51 Degree C.

Wind velocity of wind tunnel is: 10.05 m/s.

Mechanical ventilation flow rate is: 0.00 cfh.

Wind angle is: 180 Degree.

Type of flow is: SHEAR

Location of opening: ALL OPEN / 15 SECONDS.

PRESSURE AND PRESSURE COEFFICIENT FOR TESTS4

NOTE:

dP = PRESSURE DIFFERENCE ACROSS THE WALL.
dPw = EXTERNAL PRESSURE WRT REFERENCE PRESSURE.
Cp = PRESSURE COEFFICIENT BASED ON dP.
Cpw = PRESSURE COEFFICIENT BASED ON dPw.

	dP (Pa)	Cp	dPw (Pa)	Cpw
At N31 ...	-23.51	-.3862	-37.13	-.6102
At N32 ...	-20.87	-.3427	-34.51	-.5667
At N33 ...	-19.84	-.3258	-33.48	-.5498
At N21 ...	-20.03	-.3289	-33.67	-.5529
At N22 ...	-19.07	-.3132	-32.71	-.5372
At N23 ...	-17.82	-.2927	-31.46	-.5167
At N11 ...	-16.32	-.2681	-29.96	-.4921
At N12 ...	-16.36	-.2689	-30.01	-.4929
At N13 ...	-15.48	-.2542	-29.12	-.4782
Average...	-18.81	-.3060	-32.45	-.5330
At E31 ...	-27.09	-.4449	-40.73	-.6689
At E32 ...	-27.95	-.4590	-41.59	-.6830
At E33 ...	-29.57	-.4857	-43.21	-.7097
At E21 ...	-24.44	-.4013	-38.07	-.6253
At E22 ...	-26.92	-.4421	-40.56	-.6661
At E23 ...	-28.89	-.4744	-42.52	-.6984
At E11 ...	-21.13	-.3471	-34.77	-.5710
At E12 ...	-23.36	-.3836	-36.99	-.6076
At E13 ...	-28.36	-.4657	-41.99	-.6837
Average...	-26.41	-.4337	-40.05	-.6577
At S31 ...	48.29	.7930	34.65	.5690
At S32 ...	39.75	.6529	26.11	.4289
At S33 ...	28.38	.4743	15.24	.2503
At S21 ...	41.03	.6738	27.39	.4498
At S22 ...	35.36	.5890	22.23	.3650
At S23 ...	24.20	.3975	10.56	.1735
At S11 ...	33.46	.5495	19.82	.3255
At S12 ...	28.25	.4639	14.61	.2399
At S13 ...	19.16	.3147	5.52	.0907
Average...	33.21	.5454	19.57	.3214
At W31 ...	9.21	.1513	-4.43	-.0727
At W32 ...	17.38	.2937	4.24	.0697
At W33 ...	23.30	.3326	9.66	.1536
At W21 ...	6.15	.1011	-7.49	-.1229
At W22 ...	17.23	.2829	3.59	.0590
At W23 ...	22.27	.3653	8.63	.1418
At W11 ...	8.61	.1414	-5.03	-.0826
At W12 ...	16.02	.2631	2.33	.0391
At W13 ...	19.87	.3264	6.24	.1024
Average...	15.62	.2565	1.98	.0325

Internal pressure (I4) is: -13.88 Pa.
Internal pressure (I3) is: -13.47 Pa.
Internal pressure (I2) is: -13.75 Pa.
Internal pressure (I1) is: -13.46 Pa.
Average internal pressure is: -13.64 Pa.

Temperature inside is: 20.42 Degree C.
Temperature outside is: 20.53 Degree C.

Wind velocity of wind tunnel is: 10.06 m/s.

Mechanical ventilation flow rate is: 0.00 cfh.

Wind angle is: 210 Degree.

Type of flow is: SHEAR

Location of opening: ALL OPEN / 15 SECONDS

PRESSURE AND PRESSURE COEFFICIENT FOR TEST85

NOTE:

dP = PRESSURE DIFFERENCE ACROSS THE WALL.
dPw = EXTERNAL PRESSURE WRT REFERENCE PRESSURE.
Cp = PRESSURE COEFFICIENT BASED ON dP.
Cpw = PRESSURE COEFFICIENT BASED ON dPw.

	dP (Pa)	Cp	dPw (Pa)	Cpw
At N31 ...	-27.55	-.4573	-42.32	-.7034
At N32 ...	-25.75	-.4279	-40.53	-.6735
At N33 ...	-24.56	-.4091	-39.33	-.6537
At N21 ...	-25.77	-.4283	-40.55	-.6739
At N22 ...	-23.55	-.3881	-38.13	-.6337
At N23 ...	-20.84	-.3464	-35.62	-.5920
At N11 ...	-24.64	-.4096	-39.42	-.6551
At N12 ...	-21.60	-.3533	-36.37	-.6045
At N13 ...	-20.27	-.3369	-35.05	-.5824
Average...	-23.81	-.3958	-38.59	-.6414
At E31 ...	-19.05	-.3167	-33.83	-.5622
At E32 ...	-20.01	-.3326	-34.79	-.5792
At E33 ...	-22.02	-.3660	-36.80	-.6115
At E21 ...	-17.82	-.2961	-32.60	-.5417
At E22 ...	-19.36	-.3217	-34.13	-.5673
At E23 ...	-18.64	-.3098	-33.42	-.5554
At E11 ...	-14.13	-.2348	-28.31	-.4804
At E12 ...	-15.32	-.2546	-30.10	-.5002
At E13 ...	-14.71	-.2445	-29.49	-.4901
Average...	-17.90	-.2974	-32.67	-.5430
At S31 ...	18.11	.3010	3.33	.0554
At S32 ...	14.37	.2389	-1.40	-.0067
At S33 ...	4.85	.0906	-9.93	-.1650
At S21 ...	12.21	.2029	-2.57	-.0427
At S22 ...	13.30	.2210	-1.43	-.0245
At S23 ...	4.04	.0671	-10.74	-.1734
At S11 ...	5.57	.0927	-9.20	-.1529
At S12 ...	11.06	.1838	-3.72	-.0618
At S13 ...	4.05	.0674	-10.72	-.1782
Average...	9.73	.1617	-5.05	-.0839
At W31 ...	37.57	.6244	22.79	.3788
At W32 ...	50.19	.8339	35.40	.5883
At W33 ...	54.44	.9047	39.66	.6592
At W21 ...	32.70	.5435	17.93	.2979
At W22 ...	43.96	.7306	29.19	.4851
At W23 ...	48.38	.8041	33.61	.5586
At W11 ...	29.57	.4814	14.79	.2458
At W12 ...	37.53	.6238	22.76	.3782
At W13 ...	39.13	.6503	24.35	.4047
Average...	41.50	.6896	26.72	.4441

Internal pressure (I4) is: -14.58 Pa.
Internal pressure (I3) is: -14.73 Pa.
Internal pressure (I2) is: -15.07 Pa.
Internal pressure (I1) is: -14.74 Pa.
Average internal pressure is: -14.78 Pa.

Temperature inside is: 20.49 Degree C.
Temperature outside is: 20.55 Degree C.

Wind velocity of wind tunnel is: 10.00 m/s.

Mechanical ventilation flow rate is: 0.00 cfm.

Wind angle is: 240 Degree.

Type of flow is: SHEAR

Location of opening: ALL OPEN / 15 SECONDS

PRESSURE AND PRESSURE COEFFICIENT FOR TEST86

NOTE:

dP = PRESSURE DIFFERENCE ACROSS THE WALL.
dPw = EXTERNAL PRESSURE WRT REFERENCE PRESSURE.
Cp = PRESSURE COEFFICIENT BASED ON dP.
Cpw = PRESSURE COEFFICIENT BASED ON dPw.

	dP (Pa)	Cp	dPw (Pa)	Cpw
At N31 ...	-19.85	-.3243	-43.71	-.7141
At N32 ...	-31.50	-.5146	-55.36	-.9044
At N33 ...	-32.51	-.5310	-56.37	-.9209
At N21 ...	-17.86	-.2919	-41.73	-.6817
At N22 ...	-28.80	-.4705	-52.66	-.8603
At N23 ...	-30.14	-.4924	-54.00	-.8922
At N11 ...	-8.19	-.1333	-32.06	-.5237
At N12 ...	-27.32	-.4462	-51.18	-.8361
At N13 ...	-34.66	-.5663	-58.52	-.9561
Average...	-25.65	-.4190	-46.51	-.8088
At E31 ...	-.60	-.0097	-24.46	-.3996
At E32 ...	-.10	-.0016	-23.96	-.3914
At E33 ...	-.84	-.0137	-24.70	-.4035
At E21 ...	.98	.0159	-22.89	-.3739
At E22 ...	2.83	.0462	-21.04	-.3437
At E23 ...	.93	.0152	-22.93	-.3747
At E11 ...	2.25	.0367	-21.61	-.3531
At E12 ...	3.26	.0533	-20.60	-.3363
At E13 ...	2.53	.0413	-21.33	-.3485
Average...	1.25	.0204	-22.61	-.3694
At S31 ...	-29.66	-.4846	-53.52	-.8744
At S32 ...	-28.99	-.4736	-52.85	-.8634
At S33 ...	-19.06	-.3114	-42.92	-.7012
At S21 ...	-23.57	-.3850	-47.43	-.7748
At S22 ...	-26.07	-.4260	-49.93	-.8158
At S23 ...	-16.93	-.2766	-40.79	-.6664
At S11 ...	-26.19	-.4279	-50.05	-.8177
At S12 ...	-27.13	-.4432	-50.99	-.8330
At S13 ...	-12.99	-.2123	-36.86	-.6021
Average...	-23.40	-.3823	-47.26	-.7721
At W31 ...	65.40	1.0683	41.53	.6785
At W32 ...	64.79	1.0584	40.93	.6686
At W33 ...	59.29	.9686	35.43	.5788
At W21 ...	56.53	.9235	32.67	.5337
At W22 ...	56.08	.9162	32.22	.5264
At W23 ...	51.24	.8370	27.37	.4472
At W11 ...	44.38	.7251	20.52	.3352
At W12 ...	46.16	.7541	22.30	.3643
At W13 ...	41.27	.6742	17.41	.2844
Average...	53.30	.8806	30.04	.4908

Internal pressure (I4) is: -23.94 Pa.
Internal pressure (I3) is: -24.06 Pa.
Internal pressure (I2) is: -24.01 Pa.
Internal pressure (I1) is: -23.43 Pa.
Average internal pressure is: -23.86 Pa.

Temperature inside is: 20.53 Degree C.
Temperature outside is: 20.62 Degree C.

Wind velocity of wind tunnel is: 10.09 m/s.

Mechanical ventilation flow rate is: 0.00 cfh.

Wind angle is: 270 Degree.

Type of flow is: SHEAR

Location of opening: ALL OPEN / 15 SECONDS

PRESSURE AND PRESSURE COEFFICIENT FOR TEST87

NOTE:

dP = PRESSURE DIFFERENCE ACROSS THE WALL.
dPw = EXTERNAL PRESSURE WRT REFERENCE PRESSURE.
Cp = PRESSURE COEFFICIENT BASED ON dP.
Cpw = PRESSURE COEFFICIENT BASED ON dPw.

	dP (Pa)	Cp	dPw (Pa)	Cpw
	-----	--	-----	---
At N31 ...	4.65	.0773	-9.11	-.1518
At N32 ...	18.14	.3020	4.38	.0729
At N33 ...	19.87	.3309	6.11	.1018
At N21 ...	6.76	.1126	-7.60	-.1165
At N22 ...	16.31	.2716	2.55	.0425
At N23 ...	20.91	.3482	7.15	.1191
At N11 ...	7.97	.1326	-5.79	-.0965
At N12 ...	16.03	.2670	2.27	.0379
At N13 ...	20.20	.3363	6.44	.1072
Average...	14.54	.2420	.78	.0129
At E31 ...	-22.33	-.3719	-36.09	-.6010
At E32 ...	-19.47	-.3242	-33.23	-.5533
At E33 ...	-17.87	-.2975	-31.63	-.5266
At E21 ...	-19.19	-.3194	-32.94	-.5485
At E22 ...	-18.53	-.3131	-32.68	-.5442
At E23 ...	-16.35	-.2805	-30.61	-.5096
At E11 ...	-14.44	-.2404	-28.20	-.4695
At E12 ...	-15.21	-.2532	-28.97	-.4823
At E13 ...	-14.43	-.2462	-28.19	-.4693
Average...	-17.63	-.2936	-31.39	-.5227
At S31 ...	-25.16	-.4188	-38.91	-.6479
At S32 ...	-26.32	-.4382	-40.08	-.6673
At S33 ...	-27.79	-.4626	-41.54	-.6917
At S21 ...	-22.16	-.3689	-35.92	-.5980
At S22 ...	-25.16	-.4190	-38.92	-.6481
At S23 ...	-27.31	-.4548	-41.07	-.6839
At S11 ...	-19.21	-.3199	-32.97	-.5490
At S12 ...	-22.78	-.3793	-36.54	-.6034
At S13 ...	-26.13	-.4359	-39.94	-.6650
Average...	-24.67	-.4108	-38.43	-.6399
At W31 ...	47.98	.7973	34.12	.5682
At W32 ...	38.27	.6372	24.51	.4081
At W33 ...	28.32	.4716	14.56	.2425
At W21 ...	41.04	.6834	27.23	.4543
At W22 ...	34.02	.5664	20.26	.3373
At W23 ...	23.62	.3932	9.96	.1641
At W11 ...	32.29	.5376	18.53	.3085
At W12 ...	26.98	.4492	13.22	.2201
At W13 ...	20.38	.3394	6.63	.1103
Average...	32.53	.5417	18.77	.3126

Internal pressure (I4) is: -13.94 Pa.
Internal pressure (I3) is: -14.06 Pa.
Internal pressure (I2) is: -13.51 Pa.
Internal pressure (I1) is: -13.52 Pa.
Average internal pressure is: -13.76 Pa.

Temperature inside is: 20.51 Degree C.
Temperature outside is: 20.60 Degree C.

Wind velocity of wind tunnel is: 9.99 m/s.

Mechanical ventilation flow rate is: 0.00 cfh.

Wind angle is: 300 Degree.

Type of flow is: SHEAR

Location of opening: ALL OPEN / .15 SECONDS

PRESSURE AND PRESSURE COEFFICIENT FOR TEST88

NOTE:

dP = PRESSURE DIFFERENCE ACROSS THE WALL.
dPw = EXTERNAL PRESSURE WRT REFERENCE PRESSURE.
Cp = PRESSURE COEFFICIENT BASED ON dP.
Cpw = PRESSURE COEFFICIENT BASED ON dPw.

	dP (Pa)	Cp	dPw (Pa)	Cpw
	-----	---	-----	---
At N31 ...	36.08	.5993	20.97	.3482
At N32 ...	49.62	.8242	34.51	.5731
At N33 ...	53.95	.8961	38.84	.6450
At N21 ...	32.60	.5415	17.49	.2904
At N22 ...	42.20	.7003	27.08	.4497
At N23 ...	48.01	.7973	32.89	.5462
At N11 ...	29.19	.4848	14.07	.2337
At N12 ...	36.95	.6136	21.83	.3626
At N13 ...	38.45	.6387	23.34	.3876
Average...	40.78	.6774	25.67	.4263
At E31 ...	-24.87	-.4131	-39.99	-.6642
At E32 ...	-23.60	-.3920	-38.72	-.6431
At E33 ...	-22.18	-.3684	-37.30	-.6195
At E21 ...	-24.21	-.4020	-39.32	-.6531
At E22 ...	-21.33	-.3551	-36.50	-.6032
At E23 ...	-19.60	-.3255	-34.72	-.5765
At E11 ...	-22.74	-.3776	-37.85	-.6297
At E12 ...	-19.52	-.3242	-34.64	-.5752
At E13 ...	-17.99	-.2987	-33.11	-.5498
Average...	-21.79	-.3618	-36.91	-.6129
At S31 ...	-17.95	-.2965	-32.97	-.5476
At S32 ...	-19.91	-.3307	-35.03	-.5818
At S33 ...	-20.98	-.3484	-36.10	-.5995
At S21 ...	-16.14	-.2681	-31.26	-.5192
At S22 ...	-17.14	-.2847	-32.26	-.5358
At S23 ...	-19.30	-.3156	-34.12	-.5866
At S11 ...	-13.48	-.2239	-28.60	-.4750
At S12 ...	-14.29	-.2373	-29.41	-.4834
At S13 ...	-14.56	-.2418	-29.68	-.4929
Average...	-17.04	-.2930	-32.16	-.5341
At W31 ...	18.10	.3006	2.98	.0495
At W32 ...	14.10	.2341	-1.02	-.0169
At W33 ...	6.69	.1111	-8.43	-.1400
At W21 ...	11.61	.1928	-3.51	-.0583
At W22 ...	13.68	.2272	-1.44	-.0239
At W23 ...	5.38	.0894	-9.74	-.1617
At W11 ...	8.22	.1365	-6.90	-.1145
At W12 ...	11.12	.1847	-4.00	-.0664
At W13 ...	6.63	.1101	-8.49	-.1410
Average...	10.61	.1763	-4.50	-.0748

Internal pressure (I4) is: -15.03 Pa.
Internal pressure (I3) is: -15.07 Pa.
Internal pressure (I2) is: -15.10 Pa.
Internal pressure (I1) is: -15.28 Pa.
Average internal pressure is: -15.12 Pa.

Temperature inside is: 20.51 Degree C.
Temperature outside is: 20.54 Degree C.

Wind velocity of wind tunnel is: 10.01 m/s.

Mechanical ventilation flow rate is: 0.00 cfh.

Wind angle is: 330 Degree.

Type of flow is: SHEAR

Location of opening: ALL OPEN / 15 SECONDS

PRESSURE AND PRESSURE COEFFICIENT FOR TEST69

NOTE:

dP = PRESSURE DIFFERENCE ACROSS THE WALL.
dPw = EXTERNAL PRESSURE WRT REFERENCE PRESSURE.
Cp = PRESSURE COEFFICIENT BASED ON dP.
Cpw = PRESSURE COEFFICIENT BASED ON dPw.

	dP (Pa)	Cp	dPw (Pa)	Cpw
At N31 ...	96.07	1.0209	59.03	.6273
At N32 ...	101.10	1.0744	64.07	.6808
At N33 ...	86.16	.9156	49.13	.5221
At N21 ...	81.01	.8609	43.97	.4673
At N22 ...	82.69	.8788	45.66	.4852
At N23 ...	79.35	.8432	42.31	.4497
At N11 ...	69.05	.7338	32.01	.3402
At N12 ...	72.00	.7651	34.96	.3715
At N13 ...	63.50	.6748	26.46	.2812
Average...	81.21	.8631	44.18	.4695
At E31 ...	-26.59	-.2826	-63.62	-.6761
At E32 ...	-48.79	-.5185	-85.83	-.9121
At E33 ...	-45.86	-.4873	-82.90	-.8809
At E21 ...	-26.88	-.2856	-63.91	-.6792
At E22 ...	-46.26	-.4916	-83.30	-.8852
At E23 ...	-41.94	-.4457	-79.98	-.8393
At E11 ...	-10.46	-.1112	-47.50	-.5048
At E12 ...	-41.04	-.4361	-78.07	-.8297
At E13 ...	-53.29	-.5663	-90.32	-.9599
Average...	-37.90	-.4028	-74.94	-.7964
At S31 ...	-.87	-.0092	-37.91	-.4028
At S32 ...	1.33	.0141	-35.71	-.3795
At S33 ...	-.90	-.0096	-37.94	-.4032
At S21 ...	1.52	.0162	-35.52	-.3774
At S22 ...	4.31	.0458	-32.72	-.3477
At S23 ...	2.73	.0291	-34.30	-.3645
At S11 ...	3.08	.0327	-33.96	-.3608
At S12 ...	2.66	.0282	-34.38	-.3653
At S13 ...	4.58	.0487	-32.45	-.3449
Average...	2.05	.0218	-34.99	-.3718
At W31 ...	-40.67	-.4322	-77.71	-.8256
At W32 ...	-42.36	-.4502	-79.40	-.8437
At W33 ...	-27.49	-.2921	-64.52	-.6857
At W21 ...	-35.03	-.3723	-72.07	-.7659
At W22 ...	-39.66	-.4215	-76.70	-.8151
At W23 ...	-22.10	-.2348	-59.13	-.6284
At W11 ...	-44.45	-.4724	-81.49	-.8660
At W12 ...	-38.93	-.4137	-75.97	-.8073
At W13 ...	-20.00	-.2125	-57.03	-.6061
Average...	-34.52	-.3668	-71.56	-.7604

Internal pressure (I4) is: -36.09 Pa.
Internal pressure (I3) is: -38.49 Pa.
Internal pressure (I2) is: -36.98 Pa.
Internal pressure (I1) is: -36.59 Pa.
Average internal pressure is: -37.04 Pa.

Temperature inside is: 20.47 Degree C.
Temperature outside is: 20.53 Degree C.

Wind velocity of wind tunnel is: 12.51 m/s.

Mechanical ventilation flow rate is: 0.00 cfm.

Wind angle is: 0 Degree.

Type of flow is: SHEAR

Location of opening: ALL OPEN / 15 SECONDS

PRESSURE AND PRESSURE COEFFICIENT FOR TEST70

NOTE:

dP = PRESSURE DIFFERENCE ACROSS THE WALL.
dPw = EXTERNAL PRESSURE WRT REFERENCE PRESSURE.
Cp = PRESSURE COEFFICIENT BASED ON dP.
Cpw = PRESSURE COEFFICIENT BASED ON dPw.

	dP (Pa)	Cp	dPw (Pa)	Cpw
At N31 ...	17.73	1.1815	9.92	.6612
At N32 ...	17.51	1.1672	9.71	.6469
At N33 ...	15.82	1.0541	8.01	.5337
At N21 ...	15.66	1.0436	7.85	.5232
At N22 ...	15.86	1.0570	6.05	.5367
At N23 ...	14.19	.9458	6.38	.4254
At N11 ...	12.13	.8085	4.32	.2882
At N12 ...	12.83	.8552	5.03	.5349
At N13 ...	11.17	.7446	3.37	.2243
Average...	14.77	.9841	6.96	.4638
At E31 ...	-5.47	-.3642	-13.27	-.8645
At E32 ...	-6.24	-.5490	-16.05	-1.0693
At E33 ...	-7.95	-.5300	-15.76	-1.0503
At E21 ...	-4.79	-.3184	-12.60	-.8393
At E22 ...	-7.71	-.5141	-15.52	-1.0344
At E23 ...	-7.12	-.4746	-14.93	-.9949
At E11 ...	-2.63	-.1750	-10.43	-.6953
At E12 ...	-9.27	-.5513	-16.08	-1.0716
At E13 ...	-8.86	-.5906	-16.67	-1.1109
Average...	-6.78	-.4520	-14.59	-.9723
At S31 ...	-.51	-.0343	-9.32	-.5546
At S32 ...	-.17	-.0115	-7.98	-.5318
At S33 ...	-.16	-.0109	-7.97	-.5312
At S21 ...	.27	.0130	-7.54	-.5024
At S22 ...	.38	.0256	-7.42	-.4947
At S23 ...	.13	.0086	-7.68	-.5118
At S11 ...	.39	.0258	-7.42	-.4946
At S12 ...	.62	.0412	-7.19	-.4791
At S13 ...	.44	.0293	-7.37	-.4910
Average...	.15	.0102	-7.66	-.5101
At W31 ...	-7.53	-.5016	-15.34	-1.0220
At W32 ...	-7.62	-.5075	-15.42	-1.0279
At W33 ...	-4.23	-.2818	-12.04	-.8021
At W21 ...	-5.98	-.3986	-13.79	-.9189
At W22 ...	-6.41	-.4272	-14.22	-.9475
At W23 ...	-4.11	-.2737	-11.92	-.7940
At W11 ...	-6.44	-.4239	-14.24	-.9492
At W12 ...	-6.86	-.4569	-14.66	-.9772
At W13 ...	-3.54	-.2362	-11.35	-.7566
Average...	-5.86	-.3903	-13.66	-.9106

Internal pressure (I4) is: -7.94 Pa.
Internal pressure (I3) is: -7.77 Pa.
Internal pressure (I2) is: -7.84 Pa.
Internal pressure (I1) is: -7.69 Pa.
Average internal pressure is: -7.81 Pa.

Temperature inside is: 20.42 Degree C.
Temperature outside is: 20.63 Degree C.

Wind velocity of wind tunnel is: 4.99 m/s.

Mechanical ventilation flow rate is: 0.00 cfh.

Wind angle is: 0 Degree.

Type of flow is: SHEAR.

Location of opening: ALL OPEN / 15 SECONDS

PRESSURE AND PRESSURE COEFFICIENT FOR TEST 71

NOTE:

dP = PRESSURE DIFFERENCE ACROSS THE WALL.
dPw = EXTERNAL PRESSURE WRT REFERENCE PRESSURE.
Cp = PRESSURE COEFFICIENT BASED ON dP.
Cpw = PRESSURE COEFFICIENT BASED ON dPw.

	dP (Pa)	Cp	dPw (Pa)	Cpw
-----	-----	---	-----	---
At N31 ...	35.26	1.0862	21.21	.6534
At N32 ...	35.53	1.0947	21.49	.6619
At N33 ...	30.78	.9482	16.73	.5154
At N21 ...	30.94	.9533	16.90	.5205
At N22 ...	31.27	.9635	17.23	.5307
At N23 ...	28.59	.8907	14.54	.4479
At N11 ...	24.65	.7594	10.60	.3266
At N12 ...	26.61	.8199	12.57	.3871
At N13 ...	22.70	.6992	8.65	.2665
Average...	29.59	.9117	15.55	.4789
At E31 ...	-9.55	-.2943	-23.60	-.7271
At E32 ...	-17.59	-.5420	-31.64	-.9748
At E33 ...	-15.69	-.4834	-29.74	-.9162
At E21 ...	-9.79	-.3011	-23.82	-.7339
At E22 ...	-16.32	-.5028	-30.37	-.9356
At E23 ...	-14.46	-.4455	-29.51	-.8783
At E11 ...	-3.91	-.1204	-17.96	-.5531
At E12 ...	-14.93	-.4600	-28.98	-.8926
At E13 ...	-13.38	-.5662	-32.43	-.9990
Average...	-13.40	-.4129	-27.45	-.8457
At S31 ...	-.09	-.0027	-14.13	-.4354
At S32 ...	.22	-.0066	-13.83	-.4259
At S33 ...	-.43	-.0133	-14.48	-.4461
At S21 ...	.65	.0199	-13.40	-.4129
At S22 ...	1.65	.0507	-12.40	-.3821
At S23 ...	1.00	.0309	-13.05	-.4019
At S11 ...	1.31	.0404	-12.74	-.3924
At S12 ...	1.92	.0592	-12.12	-.3735
At S13 ...	1.17	.0360	-12.38	-.3967
Average...	.82	.0253	-13.23	-.4074
At W31 ...	-14.21	-.4376	-28.25	-.8704
At W32 ...	-15.83	-.4877	-29.88	-.9205
At W33 ...	-9.14	-.2815	-23.18	-.7142
At W21 ...	-12.36	-.3808	-26.41	-.8136
At W22 ...	-13.48	-.4153	-27.53	-.8481
At W23 ...	-9.42	-.2902	-23.47	-.7229
At W11 ...	-13.62	-.4195	-27.67	-.8523
At W12 ...	-12.64	-.3893	-26.69	-.8221
At W13 ...	-7.31	-.2252	-21.36	-.6579
Average...	-12.00	-.3697	-26.05	-.8024

Internal pressure (I4) is: -14.20 Pa.
Internal pressure (I3) is: -14.13 Pa.
Internal pressure (I2) is: -13.97 Pa.
Internal pressure (I1) is: -13.89 Pa.
Average internal pressure is: -14.05 Pa.

Temperature inside is: 20.41 Degree C.
Temperature outside is: 20.67 Degree C.

Wind velocity of wind tunnel is: 7.35 m/s.

Mechanical ventilation flow rate is: 0.00 cfh.

Wind angle is: 0 Degree.

Type of flow is: SHEAR

Location of opening: ALL OPEN / 15 SECONDS

PRESSURE AND PRESSURE COEFFICIENT FOR TEST72

NOTE:

dP = PRESSURE DIFFERENCE ACROSS THE WALL.
dPw = EXTERNAL PRESSURE WRT REFERENCE PRESSURE.
Cp = PRESSURE COEFFICIENT BASED ON dP.
Cpw = PRESSURE COEFFICIENT BASED ON dPw.

	dP (Pa)	Cp	dPw (Pa)	Cpw
At N31 ...	28.46	.4695	39.31	.6484
At N32 ...	30.29	.4996	41.14	.6785
At N33 ...	23.95	.3951	34.80	.5740
At N21 ...	17.16	.2831	28.01	.4620
At N22 ...	22.14	.3653	32.99	.5442
At N23 ...	14.55	.2400	25.40	.4190
At N11 ...	8.84	.1459	19.69	.3248
At N12 ...	12.15	.2004	22.99	.3793
At N13 ...	6.09	.1005	16.94	.2794
Average...	18.18	.2999	29.03	.4788
At E31 ...	-51.70	-.3528	-40.86	-.6739
At E32 ...	-67.82	-1.1187	-56.97	-.9398
At E33 ...	-64.87	-1.0701	-54.03	-.8912
At E21 ...	-50.66	-.8356	-39.91	-.6567
At E22 ...	-65.02	-1.0726	-54.18	-.8937
At E23 ...	-63.03	-1.0397	-52.18	-.8608
At E11 ...	-41.80	-.6894	-30.95	-.5105
At E12 ...	-61.15	-1.0087	-50.30	-.8298
At E13 ...	-69.40	-1.1448	-58.55	-.9659
Average...	-59.49	-.9814	-48.65	-.8025
At S31 ...	-35.56	-.5865	-24.71	-.4076
At S32 ...	-34.30	-.5658	-23.46	-.3869
At S33 ...	-35.53	-.5864	-24.70	-.4074
At S21 ...	-33.64	-.5549	-22.79	-.3760
At S22 ...	-33.09	-.5458	-22.24	-.3669
At S23 ...	-33.46	-.5519	-22.61	-.3729
At S11 ...	-32.74	-.5400	-21.89	-.3611
At S12 ...	-32.07	-.5290	-21.22	-.3501
At S13 ...	-32.07	-.5291	-21.23	-.3502
Average...	-33.61	-.5544	-22.76	-.3755
At W31 ...	-63.47	-1.0470	-52.62	-.8681
At W32 ...	-60.68	-1.0010	-49.84	-.8221
At W33 ...	-51.06	-.8422	-40.21	-.6633
At W21 ...	-58.84	-.9705	-47.99	-.7916
At W22 ...	-59.92	-.9883	-49.07	-.8094
At W23 ...	-52.44	-.8650	-41.59	-.6861
At W11 ...	-61.50	-1.0144	-50.65	-.8355
At W12 ...	-60.74	-1.0020	-49.90	-.8230
At W13 ...	-45.86	-.7565	-35.01	-.5776
Average...	-57.17	-.9430	-46.32	-.7641

Internal pressure (I4) is: 11.06 Pa.
Internal pressure (I3) is: 11.26 Pa.
Internal pressure (I2) is: 10.21 Pa.
Internal pressure (I1) is: 10.85 Pa.
Average internal pressure is: 10.85 Pa.

Temperature inside is: 20.48 Degree C.
Temperature outside is: 20.72 Degree C.

Wind velocity of wind tunnel is: 10.04 m/s.

Mechanical ventilation flow rate is: 0.00 cfh.

Wind angle is: 0 Degree.

Type of flow is: SHEAR

Location of opening: N31/N32/N33/N34/S11/S12/S13/S14/15SECONDS

PRESSURE AND PRESSURE COEFFICIENT FOR TEST89

NOTE:

dP = PRESSURE DIFFERENCE ACROSS THE WALL.
dPw = EXTERNAL PRESSURE WRT REFERENCE PRESSURE.
Cp = PRESSURE COEFFICIENT BASED ON dP.
Cpw = PRESSURE COEFFICIENT BASED ON dPw.

	dP (Pa)	Cp	dPw (Pa)	Cpw
At N31 ...	40.96	.6772	46.53	.7693
At N32 ...	45.62	.7543	51.19	.8465
At N33 ...	40.24	.6654	45.82	.7575
At N21 ...	46.91	.7756	52.43	.8677
At N22 ...	53.41	.8831	58.98	.9752
At N23 ...	47.13	.7792	52.70	.8714
At N11 ...	51.00	.8433	56.58	.9354
At N12 ...	53.34	.8920	58.92	.9741
At N13 ...	44.99	.7438	50.56	.8359
Average...	47.07	.7782	52.64	.8703
At E31 ...	-73.04	-1.2076	-67.46	-1.1155
At E32 ...	-71.86	-1.1892	-66.29	-1.0961
At E33 ...	-71.89	-1.1886	-66.32	-1.0965
At E21 ...	-75.33	-1.2455	-69.76	-1.1533
At E22 ...	-74.79	-1.2365	-69.21	-1.1444
At E23 ...	-68.29	-1.1291	-62.72	-1.0370
At E11 ...	-76.59	-1.2663	-71.02	-1.1742
At E12 ...	-83.12	-1.3743	-77.54	-1.2821
At E13 ...	-81.93	-1.3547	-76.36	-1.2625
Average...	-75.20	-1.2434	-69.63	-1.1513
At S31 ...	-59.97	-.9916	-54.40	-.8995
At S32 ...	-60.92	-1.0073	-55.35	-.9151
At S33 ...	-61.84	-1.0224	-56.26	-.9303
At S21 ...	-55.55	-.9135	-49.98	-.8263
At S22 ...	-53.52	-.8849	-47.95	-.7928
At S23 ...	-54.49	-.9009	-48.92	-.8088
At S11 ...	-43.67	-.8048	-43.10	-.7126
At S12 ...	-47.13	-.7792	-41.56	-.6871
At S13 ...	-47.70	-.7887	-42.13	-.6966
Average...	-54.42	-.8998	-48.85	-.8077
At W31 ...	-70.55	-1.1664	-64.97	-1.0743
At W32 ...	-72.72	-1.2023	-67.15	-1.1102
At W33 ...	-71.03	-1.1744	-65.46	-1.0823
At W21 ...	-69.49	-1.1490	-63.92	-1.0568
At W22 ...	-73.45	-1.2145	-67.83	-1.1223
At W23 ...	-73.62	-1.2172	-68.05	-1.1251
At W11 ...	-74.36	-1.2295	-68.79	-1.1373
At W12 ...	-78.15	-1.2921	-72.58	-1.2000
At W13 ...	-75.53	-1.2483	-69.96	-1.1567
Average...	-73.21	-1.2105	-67.64	-1.1183

Internal pressure (I4) is: 5.56 Pa.
Internal pressure (I3) is: 5.25 Pa.
Internal pressure (I2) is: 5.66 Pa.
Internal pressure (I1) is: 5.82 Pa.
Average internal pressure is: 5.57 Pa.

Temperature inside is: 19.74 Degree C.
Temperature outside is: 19.90 Degree C.

Wind velocity of wind tunnel is: 10.02 m/s.

Mechanical ventilation flow rate is: 0.00 cfh.

Wind angle is: 0 Degree.

Type of flow is: UNIFORM

Location of opening: N31/N32/N33/N34/S11/S12/S13/S14/10SECONDS

PRESSURE AND PRESSURE COEFFICIENT FOR TEST73

NOTE:

dP = PRESSURE DIFFERENCE ACROSS THE WALL.
dPw = EXTERNAL PRESSURE WRT REFERENCE PRESSURE.
Cp = PRESSURE COEFFICIENT BASED ON dP.
Cpw = PRESSURE COEFFICIENT BASED ON dPw.

	dP (Pa)	Cp	dPw (Pa)	Cpw
At N31 ...	40.05	.6662	40.49	.6736
At N32 ...	40.27	.6699	40.72	.6773
At N33 ...	35.29	.5870	35.73	.5943
At N21 ...	31.51	.5241	31.95	.5314
At N22 ...	32.30	.5372	32.74	.5446
At N23 ...	26.29	.4373	26.73	.4446
At N11 ...	20.80	.3459	21.24	.3533
At N12 ...	22.24	.3700	22.69	.3774
At N13 ...	17.09	.2841	17.53	.2915
Average...	29.54	.4913	29.98	.4987
At E31 ...	-40.99	-.6818	-40.55	-.6744
At E32 ...	-57.01	-.9482	-56.56	-.9408
At E33 ...	-55.05	-.9157	-54.61	-.9083
At E21 ...	-42.03	-.6992	-41.59	-.6918
At E22 ...	-56.43	-.9387	-55.99	-.9313
At E23 ...	-53.48	-.8896	-53.04	-.8822
At E11 ...	-33.14	-.5512	-32.69	-.5438
At E12 ...	-52.23	-.8688	-51.79	-.8614
At E13 ...	-60.94	-1.0136	-60.49	-1.0062
Average...	-50.15	-.8341	-49.70	-.8267
At S31 ...	-25.31	-.4210	-24.86	-.4136
At S32 ...	-25.52	-.4245	-25.08	-.4171
At S33 ...	-25.23	-.4196	-24.78	-.4122
At S21 ...	-24.15	-.4016	-23.70	-.3943
At S22 ...	-22.22	-.3696	-21.78	-.3622
At S23 ...	-23.33	-.3880	-22.89	-.3807
At S11 ...	-22.87	-.3804	-22.43	-.3730
At S12 ...	-21.38	-.3556	-20.93	-.3482
At S13 ...	-22.45	-.3735	-22.01	-.3661
Average...	-23.61	-.3926	-23.16	-.3853
At W31 ...	-52.84	-.8789	-52.40	-.8716
At W32 ...	-52.41	-.8713	-51.97	-.8644
At W33 ...	-39.59	-.6586	-39.15	-.6512
At W21 ...	-46.39	-.7717	-45.95	-.7643
At W22 ...	-49.67	-.8262	-49.23	-.8188
At W23 ...	-39.76	-.6614	-39.32	-.6540
At W11 ...	-49.73	-.8272	-49.29	-.8198
At W12 ...	-50.68	-.8430	-50.24	-.8356
At W13 ...	-37.13	-.6184	-36.73	-.6110
Average...	-46.47	-.7730	-46.03	-.7656

Internal pressure (I4) is: .18 Pa.
Internal pressure (I3) is: .50 Pa.
Internal pressure (I2) is: .62 Pa.
Internal pressure (I1) is: .43 Pa.
Average internal pressure is: .44 Pa.

Temperature inside is: 20.85 Degree C.
Temperature outside is: 21.09 Degree C.

Wind velocity of wind tunnel is: 10.00 m/s.

Mechanical ventilation flow rate is: 0.00 cfm.

Wind angle is: 0 Degree.

Type of flow is: SHEAR

Location of opening: N11/N12/N13/N14/S31/S32/S33/S34/15SECONDS

PRESSURE AND PRESSURE COEFFICIENT FOR TEST92

NOTE:

dP = PRESSURE DIFFERENCE ACROSS THE WALL.
dPw = EXTERNAL PRESSURE WRT REFERENCE PRESSURE.
Cp = PRESSURE COEFFICIENT BASED ON dP.
Cpw = PRESSURE COEFFICIENT BASED ON dPw.

	dP (Pa)	Cp	dPw (Pa)	Cpw
At N31 ...	43.69	.7268	46.58	.7749
At N32 ...	50.24	.8358	53.14	.8840
At N33 ...	45.75	.7611	48.65	.8092
At N21 ...	50.43	.8398	53.38	.8880
At N22 ...	57.34	.9538	60.23	1.0020
At N23 ...	49.65	.8260	52.55	.8742
At N11 ...	54.35	.9042	57.25	.9524
At N12 ...	57.53	.9571	60.43	1.0052
At N13 ...	46.31	.7703	49.20	.8165
Average...	50.59	.8417	53.49	.8898
At E31 ...	-69.57	-1.1573	-66.67	-1.1092
At E32 ...	-68.05	-1.1320	-65.15	-1.0839
At E33 ...	-68.97	-1.1473	-66.07	-1.0992
At E21 ...	-72.30	-1.2027	-69.40	-1.1546
At E22 ...	-71.21	-1.1847	-68.32	-1.1365
At E23 ...	-66.31	-1.1031	-63.41	-1.0546
At E11 ...	-75.26	-1.2520	-72.36	-1.2038
At E12 ...	-82.90	-1.3792	-80.01	-1.3310
At E13 ...	-79.11	-1.3160	-76.21	-1.2678
Average...	-72.63	-1.2083	-69.74	-1.1601
At S31 ...	-59.43	-.9887	-56.54	-.9406
At S32 ...	-58.05	-.9657	-55.16	-.9175
At S33 ...	-60.14	-1.0004	-57.24	-.9522
At S21 ...	-53.30	-.8949	-50.90	-.8468
At S22 ...	-50.14	-.8342	-47.25	-.7860
At S23 ...	-52.99	-.8815	-50.10	-.8334
At S11 ...	-46.71	-.7771	-43.82	-.7289
At S12 ...	-45.05	-.7494	-42.16	-.7013
At S13 ...	-46.42	-.7723	-43.53	-.7241
Average...	-52.53	-.8738	-49.63	-.8256
At W31 ...	-69.37	-1.1541	-66.48	-1.1059
At W32 ...	-70.78	-1.1774	-67.98	-1.1292
At W33 ...	-70.14	-1.1669	-67.25	-1.1187
At W21 ...	-67.86	-1.1289	-64.97	-1.0807
At W22 ...	-70.49	-1.1726	-67.59	-1.1244
At W23 ...	-71.53	-1.1899	-68.63	-1.1417
At W11 ...	-71.18	-1.1841	-68.28	-1.1359
At W12 ...	-71.42	-1.1881	-68.53	-1.1400
At W13 ...	-72.00	-1.1977	-69.10	-1.1495
Average...	-70.53	-1.1753	-67.63	-1.1251

Internal pressure (I4) is: 2.94 Pa.
Internal pressure (I3) is: 2.87 Pa.
Internal pressure (I2) is: 2.99 Pa.
Internal pressure (I1) is: 2.78 Pa.
Average internal pressure is: 2.90 Pa.

Temperature inside is: 20.06 Degree C.
Temperature outside is: 20.23 Degree C.

Wind velocity of wind tunnel is: 9.99 m/s.

Mechanical ventilation flow rate is: 0.00 cfm.

Wind angle is: 0 Degree.

Type of flow is: UNIFORM.

Location of opening: N11/N12/N13/N14/S31/S32/S33/S34/10SECONDS

PRESSURE AND PRESSURE COEFFICIENT FOR TEST74

NOTE:

dP = PRESSURE DIFFERENCE ACROSS THE WALL.
dPw = EXTERNAL PRESSURE WRT REFERENCE PRESSURE.
Cp = PRESSURE COEFFICIENT BASED ON dP.
Cpw = PRESSURE COEFFICIENT BASED ON dPw.

	dP (Pa)	Cp	dPw (Pa)	Cpw
At N31 ...	29.68	.4924	38.84	.6443
At N32 ...	30.83	.5114	39.98	.6633
At N33 ...	23.37	.3877	32.53	.5396
At N21 ...	20.43	.3390	29.59	.4909
At N22 ...	22.24	.3689	31.39	.5208
At N23 ...	16.44	.2727	25.59	.4246
At N11 ...	11.22	.1862	20.38	.3330
At N12 ...	12.37	.2053	21.53	.3572
At N13 ...	8.38	.1389	17.53	.2908
Average...	19.44	.3225	28.59	.4744
At E31 ...	-50.52	-.8382	-41.37	-.6863
At E32 ...	-64.54	-1.0708	-55.39	-.9189
At E33 ...	-62.03	-1.0290	-52.87	-.8772
At E21 ...	-51.28	-.8508	-42.13	-.6969
At E22 ...	-62.61	-1.0387	-53.46	-.8869
At E23 ...	-59.54	-.9878	-50.39	-.8359
At E11 ...	-40.70	-.6752	-31.54	-.5233
At E12 ...	-61.68	-1.0232	-52.52	-.8713
At E13 ...	-67.48	-1.1194	-58.32	-.9675
Average...	-57.82	-.9592	-48.67	-.8074
At S31 ...	-33.88	-.5620	-24.72	-.4102
At S32 ...	-33.38	-.5538	-24.23	-.4019
At S33 ...	-34.00	-.5640	-24.84	-.4121
At S21 ...	-32.11	-.5327	-22.96	-.3808
At S22 ...	-30.95	-.5134	-21.79	-.3615
At S23 ...	-31.80	-.5275	-22.65	-.3757
At S11 ...	-30.53	-.5065	-21.38	-.3546
At S12 ...	-30.39	-.5041	-21.23	-.3522
At S13 ...	-51.99	-.8626	-42.84	-.7107
Average...	-34.34	-.5696	-25.13	-.4178
At W31 ...	-58.42	-.9692	-49.27	-.8173
At W32 ...	-60.19	-.9985	-51.04	-.8467
At W33 ...	-49.08	-.8142	-39.92	-.6623
At W21 ...	-54.62	-.9062	-45.47	-.7543
At W22 ...	-57.10	-.9473	-47.95	-.7955
At W23 ...	-48.93	-.8117	-39.77	-.6598
At W11 ...	-59.92	-.9941	-50.77	-.8422
At W12 ...	-56.35	-.9349	-47.20	-.7830
At W13 ...	-44.94	-.7455	-35.78	-.5936
Average...	-54.40	-.9024	-45.24	-.7505

Internal pressure (I4) is: 9.10 Pa.
Internal pressure (I3) is: 8.95 Pa.
Internal pressure (I2) is: 9.02 Pa.
Internal pressure (I1) is: 9.54 Pa.
Average internal pressure is: 9.15 Pa.

Temperature inside is: 20.84 Degree C.
Temperature outside is: 21.01 Degree C.

Wind velocity of wind tunnel is: 10.02 m/s.

Mechanical ventilation flow rate is: 0.00 cfh.

Wind angle is: 0 Degree.

Type of flow is: SHEAR

Location of opening: N31/N32/N33/N34/S31/S32/S33/S34/15SECONDS

PRESSURE AND PRESSURE COEFFICIENT FOR TEST90

NOTE:

dP = PRESSURE DIFFERENCE ACROSS THE WALL.
dPw = EXTERNAL PRESSURE WRT REFERENCE PRESSURE.
Cp = PRESSURE COEFFICIENT BASED ON dP.
Cpw = PRESSURE COEFFICIENT BASED ON dPw.

	dP (Pa)	Cp	dPw (Pa)	Cpw
At N31 ...	48.35	.7922	47.57	.7794
At N32 ...	54.27	.8891	53.49	.8763
At N33 ...	48.90	.8012	48.12	.7884
At N21 ...	54.30	.8396	53.52	.8768
At N22 ...	60.14	.9854	59.37	.9726
At N23 ...	53.71	.8800	52.94	.8673
At N11 ...	58.01	.9505	57.24	.9377
At N12 ...	60.39	.9894	59.61	.9767
At N13 ...	52.53	.8607	51.76	.8479
Average...	54.51	.8931	53.73	.8803
At E31 ...	-66.12	-1.0833	-66.90	-1.0961
At E32 ...	-68.12	-1.1161	-68.90	-1.1289
At E33 ...	-62.62	-1.0260	-63.40	-1.0387
At E21 ...	-69.12	-1.1324	-69.90	-1.1452
At E22 ...	-69.41	-1.1372	-70.19	-1.1499
At E23 ...	-65.58	-1.0744	-66.36	-1.0872
At E11 ...	-73.15	-1.1984	-73.93	-1.2112
At E12 ...	-78.70	-1.2894	-79.48	-1.3021
At E13 ...	-76.24	-1.2491	-77.02	-1.2619
Average...	-69.90	-1.1451	-70.68	-1.1579
At S31 ...	-56.82	-.9309	-57.60	-.9436
At S32 ...	-55.80	-.9141	-56.57	-.9269
At S33 ...	-56.70	-.9289	-57.47	-.9416
At S21 ...	-51.04	-.8362	-51.82	-.8489
At S22 ...	-47.77	-.7827	-48.55	-.7954
At S23 ...	-50.05	-.8199	-50.83	-.8327
At S11 ...	-42.72	-.6999	-43.50	-.7127
At S12 ...	-41.67	-.6827	-42.45	-.6954
At S13 ...	-45.21	-.7407	-45.99	-.7535
Average...	-49.75	-.8151	-50.53	-.8279
At W31 ...	-63.89	-1.0467	-64.67	-1.0595
At W32 ...	-68.11	-1.1159	-68.89	-1.1286
At W33 ...	-66.70	-1.0928	-67.48	-1.1056
At W21 ...	-65.28	-1.0695	-66.06	-1.0823
At W22 ...	-67.01	-1.0979	-67.79	-1.1107
At W23 ...	-67.82	-1.1111	-68.60	-1.1239
At W11 ...	-68.85	-1.1280	-69.63	-1.1407
At W12 ...	-71.34	-1.1688	-72.12	-1.1816
At W13 ...	-68.24	-1.1180	-69.02	-1.1307
Average...	-67.47	-1.1054	-68.25	-1.1162

Internal pressure (I4) is: -.35 Pa.
Internal pressure (I3) is: -.90 Pa.
Internal pressure (I2) is: -1.20 Pa.
Internal pressure (I1) is: -.66 Pa.
Average internal pressure is: -.78 Pa.

Temperature inside is: 19.86 Degree C.
Temperature outside is: 19.99 Degree C.

Wind velocity of wind tunnel is: 10.06 m/s.

Mechanical ventilation flow rate is: 0.00 cfh.

Wind angle is: 0 Degree.

Type of flow is: UNIFORM

Location of opening: N31/N32/N33/N34/S31/S32/S33/S34/10SECONDS

PRESSURE AND PRESSURE COEFFICIENT FOR TEST93

NOTE:

dP = PRESSURE DIFFERENCE ACROSS THE WALL.
dPw = EXTERNAL PRESSURE WRT REFERENCE PRESSURE.
Cp = PRESSURE COEFFICIENT BASED ON dP.
Cpw = PRESSURE COEFFICIENT BASED ON dPw.

	dP (Pa)	Cp	dPw (Pa)	Cpw
At N31 ...	46.44	.7719	46.04	.7653
At N32 ...	52.58	.8739	52.18	.8673
At N33 ...	48.46	.8055	48.06	.7939
At N21 ...	53.06	.8819	52.66	.8753
At N22 ...	59.38	.9869	58.98	.9803
At N23 ...	53.67	.8920	53.27	.8854
At N11 ...	57.66	.9584	57.27	.9518
At N12 ...	60.64	1.0080	60.25	1.0014
At N13 ...	51.00	.8477	50.61	.8411
Average...	53.65	.8919	53.26	.8852
At E31 ...	-65.08	-1.0817	-65.47	-1.0883
At E32 ...	-67.22	-1.1173	-67.62	-1.1239
At E33 ...	-64.59	-1.0736	-64.99	-1.0802
At E21 ...	-68.36	-1.1362	-68.75	-1.1427
At E22 ...	-69.27	-1.1514	-69.67	-1.1580
At E23 ...	-62.95	-1.0464	-63.35	-1.0529
At E11 ...	-72.63	-1.2072	-73.02	-1.2138
At E12 ...	-79.75	-1.3255	-80.14	-1.3321
At E13 ...	-74.60	-1.2400	-75.00	-1.2465
Average...	-69.38	-1.1533	-69.78	-1.1598
At S31 ...	-55.89	-.9290	-56.29	-.9355
At S32 ...	-56.95	-.9467	-57.35	-.9532
At S33 ...	-55.22	-.9179	-55.62	-.9245
At S21 ...	-48.71	-.8096	-49.10	-.8162
At S22 ...	-47.97	-.7956	-48.26	-.8022
At S23 ...	-50.17	-.8338	-50.56	-.8404
At S11 ...	-41.81	-.6949	-42.21	-.7015
At S12 ...	-42.71	-.7099	-43.10	-.7164
At S13 ...	-43.23	-.7194	-43.68	-.7260
Average...	-49.18	-.8174	-49.57	-.8240
At W31 ...	-64.14	-1.0661	-64.53	-1.0727
At W32 ...	-67.25	-1.1178	-67.65	-1.1244
At W33 ...	-67.70	-1.1253	-68.10	-1.1319
At W21 ...	-64.55	-1.0729	-64.94	-1.0794
At W22 ...	-67.55	-1.1227	-67.94	-1.1293
At W23 ...	-67.49	-1.1217	-67.88	-1.1283
At W11 ...	-65.89	-1.0951	-66.28	-1.1016
At W12 ...	-68.30	-1.1353	-68.70	-1.1419
At W13 ...	-67.61	-1.1238	-68.01	-1.1304
Average...	-66.72	-1.1090	-67.11	-1.1155

Internal pressure (I4) is: -.69 Pa.
Internal pressure (I3) is: -.09 Pa.
Internal pressure (I2) is: -.74 Pa.
Internal pressure (I1) is: -.07 Pa.
Average internal pressure is: -.40 Pa.

Temperature inside is: 20.25 Degree C.
Temperature outside is: 20.32 Degree C.

Wind velocity of wind tunnel is: 10.00 m/s.

Mechanical ventilation flow rate is: 0.00 cfm.

Wind angle is: 0 Degree.

Type of flow is: UNIFORM

Location of opening: N31/N32/N33/N34/S31/S32/S33/S34/10SECONDS

PRESSURE AND PRESSURE COEFFICIENT FOR TEST75

NOTE:

dP = PRESSURE DIFFERENCE ACROSS THE WALL.
dPw = EXTERNAL PRESSURE WRT REFERENCE PRESSURE.
Cp = PRESSURE COEFFICIENT BASED ON dP.
Cpw = PRESSURE COEFFICIENT BASED ON dPw.

	dP (Pa)	Cp	dPw (Pa)	Cpw
At N31 ...	33.88	.5668	39.96	.6686
At N32 ...	34.07	.5701	40.16	.6719
At N33 ...	29.94	.5009	36.02	.6027
At N21 ...	25.59	.4282	31.68	.5300
At N22 ...	26.51	.4435	32.59	.5453
At N23 ...	20.54	.3437	26.63	.4455
At N11 ...	14.16	.2369	20.24	.3387
At N12 ...	17.39	.2909	23.47	.3927
At N13 ...	12.05	.2017	18.14	.3035
Average...	23.79	.3981	29.88	.4999
At E31 ...	-47.03	-.7868	-40.94	-.6850
At E32 ...	-60.87	-1.0185	-54.79	-.9167
At E33 ...	-59.41	-.9940	-53.32	-.8922
At E21 ...	-47.66	-.7975	-41.58	-.6957
At E22 ...	-53.50	-.9955	-53.41	-.8937
At E23 ...	-57.33	-.9592	-51.25	-.8574
At E11 ...	-36.45	-.6099	-30.37	-.5081
At E12 ...	-57.22	-.9574	-51.14	-.8556
At E13 ...	-65.17	-1.0904	-59.09	-.9836
Average...	-54.52	-.9121	-48.43	-.8103
At S31 ...	-31.14	-.5210	-25.06	-.4192
At S32 ...	-30.54	-.5109	-24.45	-.4092
At S33 ...	-31.36	-.5248	-25.28	-.4230
At S21 ...	-28.82	-.4821	-22.73	-.3803
At S22 ...	-28.07	-.4696	-21.99	-.3678
At S23 ...	-28.24	-.4726	-22.16	-.3708
At S11 ...	-27.82	-.4654	-21.73	-.3636
At S12 ...	-27.23	-.4556	-21.15	-.3538
At S13 ...	-26.92	-.4504	-20.83	-.3486
Average...	-28.90	-.4836	-22.82	-.3818
At W31 ...	-58.42	-.9775	-52.34	-.8757
At W32 ...	-58.18	-.9735	-52.10	-.8717
At W33 ...	-46.37	-.7758	-40.28	-.6740
At W21 ...	-53.80	-.9002	-47.72	-.7984
At W22 ...	-53.98	-.9031	-47.89	-.8013
At W23 ...	-46.46	-.7773	-40.37	-.6755
At W11 ...	-54.66	-.9145	-48.57	-.8127
At W12 ...	-55.87	-.9347	-49.78	-.8329
At W13 ...	-41.63	-.6965	-35.54	-.5947
Average...	-52.15	-.8726	-46.07	-.7708

Internal pressure (I4) is: 6.44 Pa.
Internal pressure (I3) is: 5.98 Pa.
Internal pressure (I2) is: 5.87 Pa.
Internal pressure (I1) is: 6.06 Pa.
Average internal pressure is: 6.08 Pa.

Temperature inside is: 20.83 Degree C.
Temperature outside is: 21.02 Degree C.

Wind velocity of wind tunnel is: 9.98 m/s.

Mechanical ventilation flow rate is: 0.00 cfm.

Wind angle is: 0 Degree.

Type of flow is: SHEAR

Location of opening: N21/N22/N23/N24/S21/S22/S23/S24/15SECONDS

PRESSURE AND PRESSURE COEFFICIENT FOR TEST94

NOTE:

dP = PRESSURE DIFFERENCE ACROSS THE WALL.
dPw = EXTERNAL PRESSURE WRT REFERENCE PRESSURE.
Cp = PRESSURE COEFFICIENT BASED ON dP.
Cpw = PRESSURE COEFFICIENT BASED ON dPw.

	dP (Pa)	Cp	dPw (Pa)	Cpw
	-----	---	-----	---
At N31 ...	39.50	.6589	45.31	.7558
At N32 ...	44.34	.7478	50.65	.8447
At N33 ...	40.72	.6792	46.53	.7761
At N21 ...	45.84	.7646	51.65	.8615
At N22 ...	51.92	.8659	57.73	.9628
At N23 ...	45.38	.7653	51.69	.8622
At N11 ...	49.67	.8285	55.49	.9255
At N12 ...	52.62	.8777	58.43	.9746
At N13 ...	44.17	.7367	49.98	.8336
Average...	46.13	.7694	51.94	.8663
At E31 ...	-68.93	-1.1497	-63.12	-1.0527
At E32 ...	-72.12	-1.2029	-66.31	-1.1060
At E33 ...	-71.29	-1.1891	-65.48	-1.0922
At E21 ...	-74.45	-1.2418	-68.64	-1.1449
At E22 ...	-72.37	-1.2070	-66.56	-1.1101
At E23 ...	-69.09	-1.1523	-63.28	-1.0554
At E11 ...	-75.52	-1.2597	-69.71	-1.1627
At E12 ...	-81.69	-1.3625	-75.88	-1.2655
At E13 ...	-78.36	-1.3070	-72.55	-1.2101
Average...	-73.76	-1.2332	-67.95	-1.1333
At S31 ...	-59.58	-.9936	-53.77	-.8963
At S32 ...	-59.39	-.9906	-53.58	-.8937
At S33 ...	-61.89	-1.0322	-56.07	-.9353
At S21 ...	-53.96	-.9000	-48.15	-.8030
At S22 ...	-53.02	-.8843	-47.21	-.7874
At S23 ...	-56.18	-.9371	-50.37	-.8401
At S11 ...	-47.15	-.7863	-41.33	-.6894
At S12 ...	-46.73	-.7802	-40.97	-.6833
At S13 ...	-49.66	-.8282	-43.84	-.7313
Average...	-54.18	-.9036	-48.37	-.8067
At W31 ...	-71.11	-1.1860	-65.29	-1.0891
At W32 ...	-72.51	-1.2095	-66.70	-1.1125
At W33 ...	-70.34	-1.1732	-64.53	-1.0763
At W21 ...	-69.13	-1.1530	-63.32	-1.0561
At W22 ...	-72.24	-1.2049	-66.43	-1.1079
At W23 ...	-72.11	-1.2027	-66.30	-1.1058
At W11 ...	-69.63	-1.1613	-63.61	-1.0644
At W12 ...	-74.10	-1.2359	-68.29	-1.1390
At W13 ...	-71.38	-1.1905	-65.57	-1.0936
Average...	-71.39	-1.1908	-65.53	-1.0938

Internal pressure (I4) is: 5.79 Pa.
Internal pressure (I3) is: 5.67 Pa.
Internal pressure (I2) is: 6.29 Pa.
Internal pressure (I1) is: 5.51 Pa.
Average internal pressure is: 5.81 Pa.

Temperature inside is: 20.18 Degree C.
Temperature outside is: 20.41 Degree C.

Wind velocity of wind tunnel is: 9.98 m/s.

Mechanical ventilation flow rate is: 0.00 cfm.

Wind angle is: 0 Degree.

Type of flow is: UNIFORM

Location of opening: N21/N22/N23/N24/S21/S22/S23/S24/10SECONDS

PRESSURE AND PRESSURE COEFFICIENT FOR TEST76

NOTE:

dP = PRESSURE DIFFERENCE ACROSS THE WALL.
dPw = EXTERNAL PRESSURE WRT REFERENCE PRESSURE.
Cp = PRESSURE COEFFICIENT BASED ON dP.
Cpw = PRESSURE COEFFICIENT BASED ON dPw.

	dP (Pa)	Cp	dPw (Pa)	Cpw
At N31 ...	38.53	.6416	40.51	.6745
At N32 ...	40.29	.6708	42.27	.7037
At N33 ...	32.98	.5490	34.95	.5820
At N21 ...	29.00	.4829	30.98	.5158
At N22 ...	30.23	.5033	32.21	.5362
At N23 ...	23.63	.3935	25.61	.4264
At N11 ...	19.65	.3272	21.63	.3601
At N12 ...	21.33	.3552	23.31	.3881
At N13 ...	14.84	.2471	16.82	.2801
Average...	27.83	.4634	29.81	.4963
At E31 ...	-44.06	-.7336	-42.08	-.7006
At E32 ...	-58.03	-.9662	-56.05	-.9333
At E33 ...	-56.42	-.9394	-54.44	-.9064
At E21 ...	-44.45	-.7401	-42.47	-.7072
At E22 ...	-56.12	-.9343	-54.14	-.9014
At E23 ...	-53.44	-.8897	-51.46	-.8568
At E11 ...	-33.82	-.5631	-31.84	-.5301
At E12 ...	-52.31	-.8710	-50.34	-.8381
At E13 ...	-61.02	-1.0159	-59.04	-.9830
Average...	-51.07	-.8504	-49.10	-.8174
At S31 ...	-26.13	-.4350	-24.15	-.4021
At S32 ...	-25.52	-.4250	-23.54	-.3920
At S33 ...	-26.52	-.4415	-24.54	-.4085
At S21 ...	-24.50	-.4078	-22.52	-.3749
At S22 ...	-23.53	-.3917	-21.55	-.3568
At S23 ...	-24.71	-.4114	-22.73	-.3734
At S11 ...	-23.38	-.3894	-21.41	-.3564
At S12 ...	-23.91	-.3964	-21.83	-.3635
At S13 ...	-23.56	-.3922	-21.58	-.3593
Average...	-24.63	-.4100	-22.65	-.3771
At W31 ...	-55.36	-.9218	-53.38	-.8889
At W32 ...	-54.03	-.8996	-52.05	-.8666
At W33 ...	-41.63	-.6931	-39.65	-.6601
At W21 ...	-48.77	-.8120	-46.79	-.7791
At W22 ...	-50.03	-.8330	-48.05	-.8001
At W23 ...	-40.50	-.6743	-38.52	-.6414
At W11 ...	-49.35	-.8217	-47.38	-.7863
At W12 ...	-51.25	-.8534	-49.27	-.8204
At W13 ...	-36.76	-.6120	-34.78	-.5791
Average...	-47.52	-.7912	-45.54	-.7583

Internal pressure (I4) is: 1.97 Pa.
Internal pressure (I3) is: 2.25 Pa.
Internal pressure (I2) is: 1.95 Pa.
Internal pressure (I1) is: 1.75 Pa.
Average internal pressure is: 1.98 Pa.

Temperature inside is: 20.81 Degree C.
Temperature outside is: 21.01 Degree C.

Wind velocity of wind tunnel is: 10.00 m/s.

Mechanical ventilation flow rate is: 0.00 cfh.

Wind angle is: 0 Degree.

Type of flow is: SHEAR

Location of opening: N11/N12/N13/N14/S11/S12/S13/S14/15SECONDS

PRESSURE AND PRESSURE COEFFICIENT FOR TEST91

NOTE:

dP = PRESSURE DIFFERENCE ACROSS THE WALL.
dPw = EXTERNAL PRESSURE WRT REFERENCE PRESSURE.
Cp = PRESSURE COEFFICIENT BASED ON dP.
Cpw = PRESSURE COEFFICIENT BASED ON dPw.

	dP (Pa)	Cp	dPw (Pa)	Cpw
At N31 ...	36.47	.5992	45.96	.7551
At N32 ...	42.42	.6969	51.90	.8527
At N33 ...	38.55	.6333	48.03	.7891
At N21 ...	42.17	.6929	51.66	.8497
At N22 ...	49.69	.8164	59.17	.9722
At N23 ...	44.23	.7267	53.71	.8825
At N11 ...	47.48	.7801	56.96	.9359
At N12 ...	50.02	.8218	59.50	.9776
At N13 ...	39.56	.6499	49.04	.8057
Average...	43.40	.7130	52.88	.8688
At E31 ...	-74.01	-1.2160	-64.53	-1.0602
At E32 ...	-75.14	-1.2346	-63.66	-1.0798
At E33 ...	-73.03	-1.1998	-63.54	-1.0440
At E21 ...	-79.01	-1.2981	-69.52	-1.1423
At E22 ...	-77.15	-1.2677	-67.67	-1.1118
At E23 ...	-74.08	-1.2172	-64.60	-1.0614
At E11 ...	-81.13	-1.3330	-71.65	-1.1772
At E12 ...	-87.35	-1.4352	-77.87	-1.2794
At E13 ...	-85.49	-1.4046	-76.01	-1.2488
Average...	-78.49	-1.2896	-69.01	-1.1338
At S31 ...	-64.50	-1.0597	-55.01	-.9039
At S32 ...	-62.75	-1.0310	-53.27	-.8752
At S33 ...	-66.77	-1.0970	-57.29	-.9412
At S21 ...	-59.28	-.9740	-49.80	-.8182
At S22 ...	-57.46	-.9441	-47.98	-.7883
At S23 ...	-59.81	-.9827	-50.33	-.8269
At S11 ...	-51.85	-.8519	-42.37	-.6961
At S12 ...	-51.56	-.8471	-42.07	-.6913
At S13 ...	-53.72	-.8826	-44.24	-.7268
Average...	-58.63	-.9633	-49.15	-.8075
At W31 ...	-75.16	-1.2349	-65.63	-1.0791
At W32 ...	-79.47	-1.3057	-69.98	-1.1499
At W33 ...	-74.67	-1.2268	-65.19	-1.0710
At W21 ...	-75.94	-1.2477	-66.46	-1.0919
At W22 ...	-76.94	-1.2641	-67.46	-1.1083
At W23 ...	-76.31	-1.2619	-67.32	-1.1061
At W11 ...	-77.24	-1.2691	-67.76	-1.1133
At W12 ...	-77.81	-1.2785	-68.33	-1.1227
At W13 ...	-77.64	-1.2757	-68.16	-1.1199
Average...	-76.85	-1.2627	-67.37	-1.1069

Internal pressure (I4) is: 9.49 Pa.
Internal pressure (I3) is: 9.57 Pa.
Internal pressure (I2) is: 9.21 Pa.
Internal pressure (I1) is: 9.67 Pa.
Average internal pressure is: 9.48 Pa.

Temperature inside is: 20.00 Degree C.
Temperature outside is: 20.12 Degree C.

Wind velocity of wind tunnel is: 10.05 m/s.

Mechanical ventilation flow rate is: 0.00 cfm.

Wind angle is: 0 Degree.

Type of flow is: UNIFORM

Location of opening: N11/N12/N13/N14/S11/S12/S13/S14/10SECONDS

PRESSURE AND PRESSURE COEFFICIENT FOR TEST97

NOTE:

dP = PRESSURE DIFFERENCE ACROSS THE WALL.
dPw = EXTERNAL PRESSURE WRT REFERENCE PRESSURE.
Cp = PRESSURE COEFFICIENT BASED ON dP.
Cpw = PRESSURE COEFFICIENT BASED ON dPw.

	dP (Pa)	Cp	dPw (Pa)	Cpw
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At N31 ...	36.06	.5959	38.49	.6362
At N32 ...	42.29	.6989	44.72	.7392
At N33 ...	36.27	.5994	38.71	.6397
At N21 ...	30.66	.5067	33.09	.5470
At N22 ...	33.55	.5511	35.78	.5914
At N23 ...	28.12	.4647	30.55	.5050
At N11 ...	18.83	.3111	21.26	.3514
At N12 ...	22.55	.3694	24.79	.4096
At N13 ...	17.25	.2851	19.69	.3254
Average...	29.46	.4369	31.90	.5272
At E31 ...	-47.96	-.7927	-45.52	-.7524
At E32 ...	-58.65	-.9693	-56.21	-.9291
At E33 ...	-54.03	-.8930	-51.59	-.8527
At E21 ...	-47.14	-.7791	-44.70	-.7388
At E22 ...	-57.27	-.9466	-54.83	-.9063
At E23 ...	-52.92	-.8747	-50.49	-.8344
At E11 ...	-40.37	-.6672	-37.93	-.6263
At E12 ...	-57.99	-.9585	-55.56	-.9182
At E13 ...	-60.96	-1.0076	-58.53	-.9673
Average...	-53.03	-.8765	-50.60	-.8362
At S31 ...	-28.12	-.4648	-25.69	-.4245
At S32 ...	-29.42	-.4362	-26.98	-.4459
At S33 ...	-29.03	-.4797	-26.59	-.4395
At S21 ...	-26.93	-.4450	-24.49	-.4047
At S22 ...	-25.52	-.4218	-23.08	-.3815
At S23 ...	-26.71	-.4414	-24.27	-.4011
At S11 ...	-25.98	-.4294	-23.55	-.3891
At S12 ...	-25.73	-.4253	-23.29	-.3850
At S13 ...	-26.51	-.4331	-24.07	-.3978
Average...	-27.10	-.4480	-24.67	-.4077
At W31 ...	-56.22	-.9291	-53.76	-.8888
At W32 ...	-57.79	-.9551	-55.35	-.9148
At W33 ...	-46.39	-.7668	-43.96	-.7265
At W21 ...	-52.99	-.8759	-50.56	-.8356
At W22 ...	-56.02	-.9259	-53.59	-.8857
At W23 ...	-46.04	-.7609	-43.60	-.7206
At W11 ...	-57.77	-.9547	-55.33	-.9145
At W12 ...	-57.02	-.9424	-54.53	-.9021
At W13 ...	-40.82	-.6747	-38.39	-.6344
Average...	-52.34	-.8651	-49.90	-.8248

Internal pressure (I4) is: 2.66 Pa.
Internal pressure (I3) is: 2.50 Pa.
Internal pressure (I2) is: 2.17 Pa.
Internal pressure (I1) is: 2.42 Pa.
Average internal pressure is: 2.44 Pa.

Temperature inside is: 20.26 Degree C.
Temperature outside is: 20.36 Degree C.

Wind velocity of wind tunnel is: 10.03 m/s.

Mechanical ventilation flow rate is: 0.00 cfm.

Wind angle is: 0 Degree.

Type of flow is: SHEAR

Location of opening: FRONT AND BACK / 15 SECONDS

PRESSURE AND PRESSURE COEFFICIENT FOR TEST95

NOTE:

dP = PRESSURE DIFFERENCE ACROSS THE WALL.
dPw = EXTERNAL PRESSURE WRT REFERENCE PRESSURE.
Cp = PRESSURE COEFFICIENT BASED ON dP.
Cpw = PRESSURE COEFFICIENT BASED ON dPw.

	dP (Pa)	Cp	dPw (Pa)	Cpw
At N31 ...	45.85	.7577	46.21	.7637
At N32 ...	53.39	.8823	53.75	.8883
At N33 ...	47.93	.7921	48.30	.7981
At N21 ...	54.07	.8936	54.43	.8996
At N22 ...	59.83	.9887	60.19	.9947
At N23 ...	53.41	.8926	53.77	.8986
At N11 ...	57.31	.9471	57.67	.9531
At N12 ...	61.99	1.0244	62.35	1.0304
At N13 ...	52.21	.8628	52.57	.8687
Average...	54.00	.8924	54.36	.8983
At E31 ...	-68.12	-1.1258	-67.76	-1.1198
At E32 ...	-67.28	-1.1119	-66.92	-1.1060
At E33 ...	-65.62	-1.0845	-65.26	-1.0785
At E21 ...	-69.89	-1.1549	-69.52	-1.1490
At E22 ...	-69.63	-1.1508	-69.27	-1.1443
At E23 ...	-65.45	-1.0816	-65.09	-1.0756
At E11 ...	-74.08	-1.2242	-73.71	-1.2182
At E12 ...	-79.26	-1.3099	-78.90	-1.3039
At E13 ...	-75.95	-1.2551	-75.59	-1.2492
Average...	-70.59	-1.1665	-70.23	-1.1605
At S31 ...	-57.44	-.9493	-57.03	-.9433
At S32 ...	-57.04	-.9426	-56.68	-.9366
At S33 ...	-59.04	-.9757	-58.68	-.9697
At S21 ...	-51.27	-.8474	-50.91	-.8414
At S22 ...	-49.97	-.8259	-49.61	-.8199
At S23 ...	-51.78	-.8558	-51.42	-.8498
At S11 ...	-43.65	-.7213	-43.28	-.7153
At S12 ...	-43.02	-.7109	-42.65	-.7049
At S13 ...	-44.06	-.7282	-43.70	-.7222
Average...	-50.81	-.8397	-50.45	-.8337
At W31 ...	-67.96	-1.1232	-67.60	-1.1172
At W32 ...	-69.33	-1.1466	-69.02	-1.1407
At W33 ...	-68.70	-1.1354	-68.34	-1.1294
At W21 ...	-65.42	-1.0811	-65.06	-1.0751
At W22 ...	-67.45	-1.1147	-67.09	-1.1087
At W23 ...	-68.96	-1.1396	-68.59	-1.1336
At W11 ...	-64.91	-1.0726	-64.54	-1.0666
At W12 ...	-68.60	-1.1337	-68.24	-1.1277
At W13 ...	-69.52	-1.1489	-69.16	-1.1429
Average...	-67.83	-1.1217	-67.52	-1.1158

Internal pressure (I4) is: .47 Pa.
Internal pressure (I3) is: .13 Pa.
Internal pressure (I2) is: .52 Pa.
Internal pressure (I1) is: .33 Pa.
Average internal pressure is: .36 Pa.

Temperature inside is: 19.77 Degree C.
Temperature outside is: 19.87 Degree C.

Wind velocity of wind tunnel is: 10.02 m/s.

Mechanical ventilation flow rate is: 0.00 cfm.

Wind angle is: 0 Degree.

Type of flow is: UNIFORM

Location of opening: FRONT AND BACK / 10 SECONDS

PRESSURE AND PRESSURE COEFFICIENT FOR TEST96

NOTE:

dP = PRESSURE DIFFERENCE ACROSS THE WALL.
dPw = EXTERNAL PRESSURE WRT REFERENCE PRESSURE.
Cp = PRESSURE COEFFICIENT BASED ON dP.
Cpw = PRESSURE COEFFICIENT BASED ON dPw.

	dP (Pa)	Cp	dPw (Pa)	Cpw
At N31 ...	47.62	.7823	47.98	.7881
At N32 ...	53.87	.8349	54.22	.8908
At N33 ...	49.47	.8127	49.83	.8185
At N21 ...	54.54	.8959	54.89	.9018
At N22 ...	59.98	.9853	60.34	.9912
At N23 ...	53.97	.8866	54.33	.8925
At N11 ...	57.98	.9525	58.34	.9584
At N12 ...	61.17	1.0049	61.53	1.0108
At N13 ...	51.31	.8428	51.66	.8487
Average...	54.43	.8942	54.79	.9001
At E31 ...	-69.15	-1.1360	-68.79	-1.1301
At E32 ...	-68.69	-1.1284	-68.33	-1.1225
At E33 ...	-65.69	-1.0792	-65.34	-1.0734
At E21 ...	-72.35	-1.1836	-72.00	-1.1828
At E22 ...	-71.86	-1.1806	-71.51	-1.1747
At E23 ...	-66.30	-1.0891	-65.94	-1.0832
At E11 ...	-73.68	-1.2104	-73.32	-1.2045
At E12 ...	-78.32	-1.2866	-77.96	-1.2807
At E13 ...	-77.19	-1.2681	-76.84	-1.2623
Average...	-71.47	-1.1741	-71.11	-1.1682
At S31 ...	-57.53	-.9450	-57.17	-.9392
At S32 ...	-55.70	-.9150	-55.34	-.9091
At S33 ...	-56.99	-.9361	-56.63	-.9303
At S21 ...	-51.50	-.8460	-51.14	-.8402
At S22 ...	-49.88	-.8194	-49.52	-.8135
At S23 ...	-51.90	-.8527	-51.55	-.8468
At S11 ...	-45.09	-.7407	-44.73	-.7349
At S12 ...	-43.58	-.7160	-43.23	-.7101
At S13 ...	-45.22	-.7429	-44.86	-.7370
Average...	-50.82	-.8349	-50.46	-.8290
At W31 ...	-68.27	-1.1215	-67.91	-1.1157
At W32 ...	-67.45	-1.1081	-67.10	-1.1023
At W33 ...	-68.96	-1.1329	-68.61	-1.1270
At W21 ...	-66.00	-1.0842	-65.64	-1.0783
At W22 ...	-68.43	-1.1241	-68.07	-1.1132
At W23 ...	-69.35	-1.1392	-68.99	-1.1334
At W11 ...	-65.86	-1.0819	-65.50	-1.0761
At W12 ...	-69.17	-1.1363	-68.81	-1.1305
At W13 ...	-67.81	-1.1139	-67.45	-1.1080
Average...	-67.92	-1.1158	-67.56	-1.1099

Internal pressure (I4) is: .40 Pa.
Internal pressure (I3) is: .17 Pa.
Internal pressure (I2) is: .30 Pa.
Internal pressure (I1) is: .89 Pa.
Average internal pressure is: .36 Pa.

Temperature inside is: 20.03 Degree C.
Temperature outside is: 20.12 Degree C.

Wind velocity of wind tunnel is: 10.05 m/s.

Mechanical Ventilation flow rate is: 0.00 cfh.

Wind angle is: 0 Degree.

Type of flow is: UNIFORM

Location of opening: FRONT AND BACK / 10 SECONDS

PRESSURE AND PRESSURE COEFFICIENT FOR TEST98

NOTE:

dP = PRESSURE DIFFERENCE ACROSS THE WALL.
dPw = EXTERNAL PRESSURE WRT REFERENCE PRESSURE.
Cp = PRESSURE COEFFICIENT BASED ON dP.
Cpw = PRESSURE COEFFICIENT BASED ON dPw.

	dP (Pa)	Cp	dPw (Pa)	Cpw
At N31 ...	43.02	.7067	45.42	.7462
At N32 ...	42.98	.7061	45.39	.7457
At N33 ...	36.86	.6055	39.26	.6450
At N21 ...	29.77	.4727	31.13	.5122
At N22 ...	32.41	.5324	34.81	.5719
At N23 ...	26.77	.4398	29.18	.4794
At N11 ...	18.24	.2997	20.65	.3392
At N12 ...	22.01	.3617	24.42	.4012
At N13 ...	17.08	.2806	19.49	.3202
Average...	29.79	.4895	32.20	.5290
At E31 ...	-46.22	-.7593	-43.81	-.7197
At E32 ...	-57.95	-.9520	-55.54	-.9125
At E33 ...	-53.51	-.8791	-51.10	-.8396
At E21 ...	-47.66	-.7330	-45.26	-.7435
At E22 ...	-57.62	-.9466	-55.21	-.9070
At E23 ...	-52.47	-.8620	-50.06	-.8224
At E11 ...	-39.11	-.6425	-38.70	-.6030
At E12 ...	-58.23	-.9567	-55.83	-.9171
At E13 ...	-61.47	-1.0098	-59.06	-.9703
Average...	-52.69	-.8657	-50.29	-.8261
At S31 ...	-28.66	-.4708	-26.25	-.4312
At S32 ...	-27.50	-.4517	-25.09	-.4122
At S33 ...	-29.96	-.4921	-27.55	-.4526
At S21 ...	-27.70	-.4550	-25.29	-.4154
At S22 ...	-24.50	-.4024	-22.09	-.3629
At S23 ...	-26.95	-.4428	-24.55	-.4032
At S11 ...	-25.55	-.4198	-23.15	-.3803
At S12 ...	-25.54	-.4196	-23.13	-.3800
At S13 ...	-25.42	-.4175	-23.01	-.3780
Average...	-26.86	-.4413	-24.46	-.4013
At W31 ...	-57.32	-.9417	-54.91	-.9021
At W32 ...	-58.35	-.9586	-55.94	-.9190
At W33 ...	-45.28	-.7439	-42.88	-.7044
At W21 ...	-52.22	-.8578	-49.81	-.8182
At W22 ...	-55.31	-.9087	-52.90	-.8691
At W23 ...	-47.40	-.7787	-45.00	-.7392
At W11 ...	-58.71	-.9645	-56.30	-.9250
At W12 ...	-55.55	-.9126	-53.14	-.8730
At W13 ...	-40.32	-.6722	-38.51	-.6327
Average...	-52.34	-.8599	-49.93	-.8203

Internal pressure (I4) is: 2.28 Pa.
Internal pressure (I3) is: 2.29 Pa.
Internal pressure (I2) is: 2.61 Pa.
Internal pressure (I1) is: 2.45 Pa.
Average internal pressure is: 2.41 Pa.

Temperature inside is: 20.47 Degree C.
Temperature outside is: 20.54 Degree C.

Wind velocity of wind tunnel is: 10.08 m/s.

Mechanical ventilation flow rate is: 0.00 cfm.

Wind angle is: 0 Degree.

Type of flow is: SHEAR

Location of opening: FRONT AND BACK / 15 SECONDS

APPENDIX C

TABULATED TEST RESULTS
FOR SIMULATION OF MECHANICAL VENTILATION EFFECT

LIST OF TESTINGS

	TEST	TAPE	V(m/s)	ANGLE	T.FLOW	F.RATE	L.OPEN
1	TES147	4	0 m/s	0	SHEAR	120	ALL OPEN
2	TES137	4	0 m/s	0	SHEAR	150	ALL OPEN
3	TES138	4	0 m/s	0	SHEAR	180	ALL OPEN
4	TES139	4	0 m/s	0	SHEAR	210	ALL OPEN
5	TES160	4	0 m/s	0	UNIFORM	90	ALL OPEN
6	TES161	4	0 m/s	0	UNIFORM	120	ALL OPEN
7	TES162	4	0 m/s	0	UNIFORM	150	ALL OPEN
8	TES163	4	0 m/s	0	UNIFORM	180	ALL OPEN

PRESSURE AND PRESSURE COEFFICIENT FOR TES147

NOTE:

dP = PRESSURE DIFFERENCE ACROSS THE WALL.
dPw = EXTERNAL PRESSURE WRT REFERENCE PRESSURE.
Cp = PRESSURE COEFFICIENT BASED ON dP.
Cpw = PRESSURE COEFFICIENT BASED ON dPw.

	dP (Pa)	Cp	dPw (Pa)	Cpw
At N31 ...	54.33	0.0000	-1.39	0.0000
At N32 ...	54.16	0.0000	-1.56	0.0000
At N33 ...	54.35	0.0000	-1.37	0.0000
At N21 ...	54.32	0.0000	-1.40	0.0000
At N22 ...	54.13	0.0000	-1.60	0.0000
At N23 ...	53.90	0.0000	-1.83	0.0000
At N11 ...	54.24	0.0000	-1.48	0.0000
At N12 ...	54.03	0.0000	-1.70	0.0000
At N13 ...	54.19	0.0000	-1.54	0.0000
Average...	54.18	0.0000	-1.54	0.0000
At E31 ...	53.94	0.0000	-1.98	0.0000
At E32 ...	53.98	0.0000	-1.74	0.0000
At E33 ...	54.25	0.0000	-1.47	0.0000
At E21 ...	54.45	0.0000	-1.27	0.0000
At E22 ...	54.03	0.0000	-1.70	0.0000
At E23 ...	54.10	0.0000	-1.62	0.0000
At E11 ...	54.11	0.0000	-1.61	0.0000
At E12 ...	54.17	0.0000	-1.56	0.0000
At E13 ...	53.68	0.0000	-2.05	0.0000
Average...	54.07	0.0000	-1.66	0.0000
At S31 ...	54.25	0.0000	-1.47	0.0000
At S32 ...	54.05	0.0000	-1.67	0.0000
At S33 ...	54.11	0.0000	-1.61	0.0000
At S21 ...	54.04	0.0000	-1.68	0.0000
At S22 ...	53.94	0.0000	-1.79	0.0000
At S23 ...	54.20	0.0000	-1.53	0.0000
At S11 ...	53.37	0.0000	-1.75	0.0000
At S12 ...	54.05	0.0000	-1.67	0.0000
At S13 ...	54.05	0.0000	-1.67	0.0000
Average...	54.07	0.0000	-1.65	0.0000
At W31 ...	54.50	0.0000	-1.22	0.0000
At W32 ...	54.16	0.0000	-1.57	0.0000
At W33 ...	53.92	0.0000	-1.80	0.0000
At W21 ...	54.08	0.0000	-1.64	0.0000
At W22 ...	54.47	0.0000	-1.25	0.0000
At W23 ...	54.25	0.0000	-1.47	0.0000
At W11 ...	54.12	0.0000	-1.61	0.0000
At W12 ...	54.04	0.0000	-1.69	0.0000
At W13 ...	53.91	0.0000	-1.81	0.0000
Average...	54.16	0.0000	-1.56	0.0000

Internal pressure (I4) is: -55.71 Pa.
Internal pressure (I3) is: -55.78 Pa.
Internal pressure (I2) is: -55.72 Pa.
Internal pressure (I1) is: -55.69 Pa.
Average internal pressure is: -55.72 Pa.

Temperature inside is: 21.33 Degree C.
Temperature outside is: 22.02 Degree C.

Wind velocity of wind tunnel is: 0.00 m/s.

Mechanical ventilation flow rate is: 120.00 cfm.

Wind angle is: 0 Degree.

Type of flow is: SHEAR, FIXED G

Location of opening: ALL OPEN

PRESSURE AND PRESSURE COEFFICIENT FOR TES137

NOTE:

dP = PRESSURE DIFFERENCE ACROSS THE WALL.
dPw = EXTERNAL PRESSURE WRT REFERENCE PRESSURE.
Cp = PRESSURE COEFFICIENT BASED ON dP.
Cpw = PRESSURE COEFFICIENT BASED ON dPw.

	dP (Pa)	Cp	dPw (Pa)	Cpw
	-----	--	-----	---
At N31 ...	78.90	0.0000	-2.08	0.0000
At N32 ...	79.57	0.0000	-1.41	0.0000
At N33 ...	79.27	0.0000	-1.71	0.0000
At N21 ...	79.35	0.0000	-1.63	0.0000
At N22 ...	79.08	0.0000	-1.90	0.0000
At N23 ...	79.50	0.0000	-1.48	0.0000
At N11 ...	79.52	0.0000	-1.46	0.0000
At N12 ...	79.52	0.0000	-1.46	0.0000
At N13 ...	79.32	0.0000	-1.66	0.0000
Average...	79.34	0.0000	-1.64	0.0000
At E31 ...	79.22	0.0000	-1.76	0.0000
At E32 ...	79.32	0.0000	-1.56	0.0000
At E33 ...	79.28	0.0000	-1.70	0.0000
At E21 ...	79.22	0.0000	-1.76	0.0000
At E22 ...	79.44	0.0000	-1.53	0.0000
At E23 ...	79.17	0.0000	-1.81	0.0000
At E11 ...	79.30	0.0000	-1.68	0.0000
At E12 ...	79.21	0.0000	-1.77	0.0000
At E13 ...	79.14	0.0000	-1.84	0.0000
Average...	79.26	0.0000	-1.72	0.0000
At S31 ...	79.13	0.0000	-1.85	0.0000
At S32 ...	79.23	0.0000	-1.75	0.0000
At S33 ...	79.21	0.0000	-1.77	0.0000
At S21 ...	79.33	0.0000	-1.65	0.0000
At S22 ...	79.21	0.0000	-1.77	0.0000
At S23 ...	79.19	0.0000	-1.79	0.0000
At S11 ...	79.25	0.0000	-1.73	0.0000
At S12 ...	79.19	0.0000	-1.79	0.0000
At S13 ...	79.38	0.0000	-1.60	0.0000
Average...	79.24	0.0000	-1.74	0.0000
At W31 ...	79.13	0.0000	-1.80	0.0000
At W32 ...	79.43	0.0000	-1.55	0.0000
At W33 ...	79.39	0.0000	-1.59	0.0000
At W21 ...	79.34	0.0000	-1.64	0.0000
At W22 ...	79.46	0.0000	-1.52	0.0000
At W23 ...	79.44	0.0000	-1.54	0.0000
At W11 ...	79.27	0.0000	-1.71	0.0000
At W12 ...	79.50	0.0000	-1.48	0.0000
At W13 ...	79.35	0.0000	-1.63	0.0000
Average...	79.37	0.0000	-1.61	0.0000

Internal pressure (I4) is: -80.94 Pa.
Internal pressure (I3) is: -80.92 Pa.
Internal pressure (I2) is: -81.04 Pa.
Internal pressure (I1) is: -81.01 Pa.
Average internal pressure is: -80.98 Pa.

Temperature inside is: 21.53 Degree C.
Temperature outside is: 22.27 Degree C.

Wind velocity of wind tunnel is: 0.00 m/s.

Mechanical ventilation flow rate is: 150.00 cfm.

Wind angle is: 0 Degree.

Type of flow is: SHEAR / FIXED Q

Location of opening: ALL OPEN

PRESSURE AND PRESSURE COEFFICIENT FOR TES138

NOTE:

dP = PRESSURE DIFFERENCE ACROSS THE WALL.
dPw = EXTERNAL PRESSURE WRT REFERENCE PRESSURE.
Cp = PRESSURE COEFFICIENT BASED ON dP.
Cpw = PRESSURE COEFFICIENT BASED ON dPw.

	dP (Pa)	Cp	dPw (Pa)	Cpw
At N31 ...	108.21	0.0000	-1.59	0.0000
At N32 ...	108.06	0.0000	-1.74	0.0000
At N33 ...	108.23	0.0000	-1.57	0.0000
At N21 ...	108.29	0.0000	-1.51	0.0000
At N22 ...	108.20	0.0000	-1.60	0.0000
At N23 ...	108.15	0.0000	-1.65	0.0000
At N11 ...	108.24	0.0000	-1.56	0.0000
At N12 ...	108.18	0.0000	-1.62	0.0000
At N13 ...	108.23	0.0000	-1.57	0.0000
Average...	108.20	0.0000	-1.60	0.0000
At E31 ...	108.21	0.0000	-1.59	0.0000
At E32 ...	108.12	0.0000	-1.68	0.0000
At E33 ...	108.18	0.0000	-1.62	0.0000
At E21 ...	108.08	0.0000	-1.73	0.0000
At E22 ...	108.11	0.0000	-1.69	0.0000
At E23 ...	108.27	0.0000	-1.53	0.0000
At E11 ...	108.36	0.0000	-1.44	0.0000
At E12 ...	108.09	0.0000	-1.72	0.0000
At E13 ...	108.30	0.0000	-1.50	0.0000
Average...	108.19	0.0000	-1.61	0.0000
At S31 ...	108.16	0.0000	-1.64	0.0000
At S32 ...	108.16	0.0000	-1.64	0.0000
At S33 ...	108.30	0.0000	-1.50	0.0000
At S21 ...	108.29	0.0000	-1.51	0.0000
At S22 ...	108.15	0.0000	-1.65	0.0000
At S23 ...	108.21	0.0000	-1.59	0.0000
At S11 ...	108.12	0.0000	-1.68	0.0000
At S12 ...	108.31	0.0000	-1.49	0.0000
At S13 ...	108.26	0.0000	-1.54	0.0000
Average...	108.22	0.0000	-1.58	0.0000
At W31 ...	108.31	0.0000	-1.49	0.0000
At W32 ...	108.25	0.0000	-1.56	0.0000
At W33 ...	107.98	0.0000	-1.83	0.0000
At W21 ...	108.05	0.0000	-1.75	0.0000
At W22 ...	107.95	0.0000	-1.85	0.0000
At W23 ...	108.24	0.0000	-1.57	0.0000
At W11 ...	108.14	0.0000	-1.66	0.0000
At W12 ...	108.25	0.0000	-1.55	0.0000
At W13 ...	108.26	0.0000	-1.55	0.0000
Average...	108.16	0.0000	-1.64	0.0000

Internal pressure (I4) is: -109.71 Pa.
Internal pressure (I3) is: -109.74 Pa.
Internal pressure (I2) is: -109.88 Pa.
Internal pressure (I1) is: -109.88 Pa.
Average internal pressure is: -109.80 Pa.

Temperature inside is: 21.86 Degree C.
Temperature outside is: 22.46 Degree C.

Wind velocity of wind tunnel is: 0.00 m/s.

Mechanical ventilation flow rate is: 180.00 cfm.

Wind angle is: 0 Degree.

Type of flow is: SHEAR / FIXED Q

Location of opening: ALL OPEN

PRESSURE AND PRESSURE COEFFICIENT FOR TES139

NOTE:

dP = PRESSURE DIFFERENCE ACROSS THE WALL.
dPw = EXTERNAL PRESSURE WRT REFERENCE PRESSURE.
Cp = PRESSURE COEFFICIENT BASED ON dP.
Cpw = PRESSURE COEFFICIENT BASED ON dPw.

	dP (Pa)	Cp	dPw (Pa)	Cpw
At N31 ...	140.91	0.0000	-1.67	0.0000
At N32 ...	140.96	0.0000	-1.62	0.0000
At N33 ...	141.22	0.0000	-1.37	0.0000
At N21 ...	140.95	0.0000	-1.63	0.0000
At N22 ...	140.93	0.0000	-1.65	0.0000
At N23 ...	140.93	0.0000	-1.65	0.0000
At N11 ...	140.93	0.0000	-1.60	0.0000
At N12 ...	141.30	0.0000	-1.29	0.0000
At N13 ...	141.15	0.0000	-1.43	0.0000
Average...	141.04	0.0000	-1.54	0.0000
At E31 ...	140.78	0.0000	-1.80	0.0000
At E32 ...	140.95	0.0000	-1.63	0.0000
At E33 ...	140.88	0.0000	-1.70	0.0000
At E21 ...	140.81	0.0000	-1.77	0.0000
At E22 ...	140.93	0.0000	-1.65	0.0000
At E23 ...	140.91	0.0000	-1.68	0.0000
At E11 ...	141.02	0.0000	-1.57	0.0000
At E12 ...	140.91	0.0000	-1.68	0.0000
At E13 ...	140.81	0.0000	-1.77	0.0000
Average...	140.89	0.0000	-1.69	0.0000
At S31 ...	140.88	0.0000	-1.70	0.0000
At S32 ...	140.91	0.0000	-1.67	0.0000
At S33 ...	140.88	0.0000	-1.70	0.0000
At S21 ...	140.86	0.0000	-1.72	0.0000
At S22 ...	140.80	0.0000	-1.78	0.0000
At S23 ...	141.11	0.0000	-1.48	0.0000
At S11 ...	140.99	0.0000	-1.59	0.0000
At S12 ...	141.05	0.0000	-1.53	0.0000
At S13 ...	140.98	0.0000	-1.60	0.0000
Average...	140.94	0.0000	-1.64	0.0000
At W31 ...	140.65	0.0000	-1.93	0.0000
At W32 ...	140.91	0.0000	-1.67	0.0000
At W33 ...	140.99	0.0000	-1.59	0.0000
At W21 ...	140.98	0.0000	-1.60	0.0000
At W22 ...	141.08	0.0000	-1.50	0.0000
At W23 ...	140.85	0.0000	-1.74	0.0000
At W11 ...	141.08	0.0000	-1.50	0.0000
At W12 ...	141.20	0.0000	-1.39	0.0000
At W13 ...	140.65	0.0000	-1.93	0.0000
Average...	140.93	0.0000	-1.65	0.0000

Internal pressure (I4) is: -142.46 Pa.
Internal pressure (I3) is: -142.66 Pa.
Internal pressure (I2) is: -142.55 Pa.
Internal pressure (I1) is: -142.66 Pa.
Average internal pressure is: -142.58 Pa.

Temperature inside is: 21.77 Degree C.
Temperature outside is: 22.50 Degree C.

Wind velocity of wind tunnel is: 0.00 m/s.

Mechanical ventilation flow rate is: 210.00 cfh.

Wind angle is: 0 Degree.

Type of flow is: SHEAR / FIXED Q

Location of opening: ALL OPEN

PRESSURE AND PRESSURE COEFFICIENT FOR TES160

NOTE:

dP = PRESSURE DIFFERENCE ACROSS THE WALL.
dPw = EXTERNAL PRESSURE WRT REFERENCE PRESSURE.
Cp = PRESSURE COEFFICIENT BASED ON dP.
Cpw = PRESSURE COEFFICIENT BASED ON dPw.

	dP (Pa)	Cp	dPw (Pa)	Cpw
At N31 ...	33.02	0.0000	-1.66	0.0000
At N32 ...	32.97	0.0000	-1.72	0.0000
At N33 ...	33.24	0.0000	-1.45	0.0000
At N21 ...	33.00	0.0000	-1.69	0.0000
At N22 ...	33.26	0.0000	-1.42	0.0000
At N23 ...	33.03	0.0000	-1.66	0.0000
At N11 ...	32.85	0.0000	-1.84	0.0000
At N12 ...	33.11	0.0000	-1.58	0.0000
At N13 ...	32.98	0.0000	-1.71	0.0000
Average...	33.05	0.0000	-1.64	0.0000
At E31 ...	33.15	0.0000	-1.54	0.0000
At E32 ...	33.08	0.0000	-1.61	0.0000
At E33 ...	33.53	0.0000	-1.16	0.0000
At E21 ...	33.05	0.0000	-1.63	0.0000
At E22 ...	32.98	0.0000	-1.71	0.0000
At E23 ...	32.87	0.0000	-1.82	0.0000
At E11 ...	33.02	0.0000	-1.67	0.0000
At E12 ...	33.09	0.0000	-1.66	0.0000
At E13 ...	32.97	0.0000	-1.71	0.0000
Average...	33.08	0.0000	-1.61	0.0000
At S31 ...	33.02	0.0000	-1.67	0.0000
At S32 ...	33.08	0.0000	-1.60	0.0000
At S33 ...	32.94	0.0000	-1.75	0.0000
At S21 ...	33.22	0.0000	-1.46	0.0000
At S22 ...	32.82	0.0000	-1.87	0.0000
At S23 ...	33.05	0.0000	-1.64	0.0000
At S11 ...	33.02	0.0000	-1.66	0.0000
At S12 ...	32.97	0.0000	-1.72	0.0000
At S13 ...	32.98	0.0000	-1.71	0.0000
Average...	33.01	0.0000	-1.68	0.0000
At W31 ...	32.84	0.0000	-1.84	0.0000
At W32 ...	32.95	0.0000	-1.74	0.0000
At W33 ...	32.96	0.0000	-1.73	0.0000
At W21 ...	32.69	0.0000	-2.00	0.0000
At W22 ...	33.09	0.0000	-1.60	0.0000
At W23 ...	32.84	0.0000	-1.84	0.0000
At W11 ...	32.96	0.0000	-1.72	0.0000
At W12 ...	33.12	0.0000	-1.56	0.0000
At W13 ...	33.11	0.0000	-1.58	0.0000
Average...	32.95	0.0000	-1.74	0.0000

Internal pressure (I4) is: -34.67 Pa.
Internal pressure (I3) is: -34.79 Pa.
Internal pressure (I2) is: -34.68 Pa.
Internal pressure (I1) is: -34.60 Pa.
Average internal pressure is: -34.69 Pa.

Temperature inside is: 21.55 Degree C.
Temperature outside is: 22.03 Degree C.

Wind velocity of wind tunnel is: 0.00 m/s.

Mechanical ventilation flow rate is: 90.00 cfm.

Wind angle is: 0 Degree.

Type of flow is: UNIFORM / FIXED Q

Location of opening: ALL OPEN

PRESSURE AND PRESSURE COEFFICIENT FOR TES161

NOTE:

dP = PRESSURE DIFFERENCE ACROSS THE WALL.
dPw = EXTERNAL PRESSURE WRT REFERENCE PRESSURE.
Cp = PRESSURE COEFFICIENT BASED ON dP.
Cpw = PRESSURE COEFFICIENT BASED ON dPw.

	dP (Pa)	Cp	dPw (Pa)	Cpw
At N31 ...	54.05	0.0000	-1.58	0.0000
At N32 ...	53.99	0.0000	-1.64	0.0000
At N33 ...	54.19	0.0000	-1.44	0.0000
At N21 ...	53.98	0.0000	-1.65	0.0000
At N22 ...	54.17	0.0000	-1.46	0.0000
At N23 ...	53.98	0.0000	-1.66	0.0000
At N11 ...	53.95	0.0000	-1.69	0.0000
At N12 ...	54.01	0.0000	-1.62	0.0000
At N13 ...	53.31	0.0000	-1.82	0.0000
Average...	54.02	0.0000	-1.62	0.0000
At E31 ...	53.93	0.0000	-1.70	0.0000
At E32 ...	53.95	0.0000	-1.69	0.0000
At E33 ...	53.82	0.0000	-1.81	0.0000
At E21 ...	53.99	0.0000	-1.64	0.0000
At E22 ...	53.89	0.0000	-1.75	0.0000
At E23 ...	54.07	0.0000	-1.56	0.0000
At E11 ...	54.07	0.0000	-1.57	0.0000
At E12 ...	53.92	0.0000	-1.72	0.0000
At E13 ...	53.39	0.0000	-1.74	0.0000
Average...	53.95	0.0000	-1.69	0.0000
At S31 ...	54.07	0.0000	-1.57	0.0000
At S32 ...	53.97	0.0000	-1.66	0.0000
At S33 ...	54.02	0.0000	-1.62	0.0000
At S21 ...	54.07	0.0000	-1.56	0.0000
At S22 ...	54.07	0.0000	-1.56	0.0000
At S23 ...	54.21	0.0000	-1.42	0.0000
At S11 ...	53.85	0.0000	-1.79	0.0000
At S12 ...	54.08	0.0000	-1.56	0.0000
At S13 ...	54.32	0.0000	-1.32	0.0000
Average...	54.07	0.0000	-1.56	0.0000
At W31 ...	53.90	0.0000	-1.74	0.0000
At W32 ...	53.91	0.0000	-1.72	0.0000
At W33 ...	53.88	0.0000	-1.75	0.0000
At W21 ...	53.62	0.0000	-2.02	0.0000
At W22 ...	53.97	0.0000	-1.66	0.0000
At W23 ...	53.99	0.0000	-1.64	0.0000
At W11 ...	53.66	0.0000	-1.97	0.0000
At W12 ...	54.14	0.0000	-1.50	0.0000
At W13 ...	54.20	0.0000	-1.44	0.0000
Average...	53.92	0.0000	-1.71	0.0000

Internal pressure (I4) is: -55.48 Pa.
Internal pressure (I3) is: -55.50 Pa.
Internal pressure (I2) is: -55.67 Pa.
Internal pressure (I1) is: -55.89 Pa.
Average internal pressure is: -55.63 Pa.

Temperature inside is: 21.92 Degree C.
Temperature outside is: 22.45 Degree C.

Wind velocity of wind tunnel is: 0.00 m/s.

Mechanical ventilation flow rate is: 120.00 cfm.

Wind angle is: 0 Degree.

Type of flow is: UNIFORM / FIXED Q

Location of opening: ALL OPEN

PRESSURE AND PRESSURE COEFFICIENT FOR TES162

NOTE:

dP = PRESSURE DIFFERENCE ACROSS THE WALL.
dPw = EXTERNAL PRESSURE WRT REFERENCE PRESSURE.
Cp = PRESSURE COEFFICIENT BASED ON dP.
Cpw = PRESSURE COEFFICIENT BASED ON dPw.

	dP (Pa)	Cp	dPw (Pa)	Cpw
At N31 ...	80.06	0.0000	-1.71	0.0000
At N32 ...	80.13	0.0000	-1.59	0.0000
At N33 ...	80.51	0.0000	-1.25	0.0000
At N21 ...	80.39	0.0000	-1.38	0.0000
At N22 ...	80.23	0.0000	-1.54	0.0000
At N23 ...	80.20	0.0000	-1.57	0.0000
At N11 ...	79.90	0.0000	-1.87	0.0000
At N12 ...	80.11	0.0000	-1.66	0.0000
At N13 ...	80.01	0.0000	-1.76	0.0000
Average...	80.18	0.0000	-1.59	0.0000
At E31 ...	80.90	0.0000	-1.87	0.0000
At E32 ...	80.01	0.0000	-1.76	0.0000
At E33 ...	80.15	0.0000	-1.62	0.0000
At E21 ...	80.06	0.0000	-1.71	0.0000
At E22 ...	80.14	0.0000	-1.63	0.0000
At E23 ...	80.27	0.0000	-1.50	0.0000
At E11 ...	80.12	0.0000	-1.65	0.0000
At E12 ...	80.23	0.0000	-1.49	0.0000
At E13 ...	79.94	0.0000	-1.83	0.0000
Average...	80.21	0.0000	-1.56	0.0000
At S31 ...	80.13	0.0000	-1.64	0.0000
At S32 ...	80.08	0.0000	-1.69	0.0000
At S33 ...	80.11	0.0000	-1.66	0.0000
At S21 ...	80.14	0.0000	-1.63	0.0000
At S22 ...	80.06	0.0000	-1.71	0.0000
At S23 ...	79.84	0.0000	-1.93	0.0000
At S11 ...	79.92	0.0000	-1.85	0.0000
At S12 ...	80.04	0.0000	-1.73	0.0000
At S13 ...	79.31	0.0000	-1.96	0.0000
Average...	80.01	0.0000	-1.76	0.0000
At W31 ...	80.39	0.0000	-1.38	0.0000
At W32 ...	80.17	0.0000	-1.60	0.0000
At W33 ...	79.99	0.0000	-1.72	0.0000
At W21 ...	80.09	0.0000	-1.68	0.0000
At W22 ...	80.04	0.0000	-1.73	0.0000
At W23 ...	80.09	0.0000	-1.68	0.0000
At W11 ...	79.94	0.0000	-1.82	0.0000
At W12 ...	80.04	0.0000	-1.73	0.0000
At W13 ...	80.06	0.0000	-1.71	0.0000
Average...	80.09	0.0000	-1.68	0.0000

Internal pressure (I4) is: -81.72 Pa.
Internal pressure (I3) is: -81.68 Pa.
Internal pressure (I2) is: -81.68 Pa.
Internal pressure (I1) is: -82.00 Pa.
Average internal pressure is: -81.77 Pa.

Temperature inside is: 21.99 Degree C.
Temperature outside is: 22.50 Degree C.

Wind velocity of wind tunnel is: 0.00 m/s.

Mechanical ventilation flow rate is: 150.00 cfm.

Wind angle is: 0 Degree.

Type of flow is: UNIFORM / FIXED Q

Location of opening: ALL OPEN

PRESSURE AND PRESSURE COEFFICIENT FOR TES163

NOTE:

dP = PRESSURE DIFFERENCE ACROSS THE WALL.
dPw = EXTERNAL PRESSURE WRT REFERENCE PRESSURE.
Cp = PRESSURE COEFFICIENT BASED ON dP.
Cpw = PRESSURE COEFFICIENT BASED ON dPw.

	dP (Pa)	Cp	dPw (Pa)	Cpw
	-----	---	-----	---
At N31 ...	108.54	0.0000	-1.45	0.0000
At N32 ...	108.46	0.0000	-1.53	0.0000
At N33 ...	108.21	0.0000	-1.78	0.0000
At N21 ...	108.66	0.0000	-1.33	0.0000
At N22 ...	103.18	0.0000	-1.81	0.0000
At N23 ...	108.38	0.0000	-1.61	0.0000
At N11 ...	108.09	0.0000	-1.90	0.0000
At N12 ...	108.51	0.0000	-1.48	0.0000
At N13 ...	108.37	0.0000	-1.62	0.0000
Average...	108.38	0.0000	-1.61	0.0000
At E31 ...	108.12	0.0000	-1.87	0.0000
At E32 ...	108.57	0.0000	-1.41	0.0000
At E33 ...	108.37	0.0000	-1.61	0.0000
At E21 ...	108.13	0.0000	-1.86	0.0000
At E22 ...	108.39	0.0000	-1.60	0.0000
At E23 ...	108.50	0.0000	-1.49	0.0000
At E11 ...	108.38	0.0000	-1.61	0.0000
At E12 ...	108.29	0.0000	-1.70	0.0000
At E13 ...	108.24	0.0000	-1.74	0.0000
Average...	108.33	0.0000	-1.65	0.0000
At S31 ...	108.26	0.0000	-1.73	0.0000
At S32 ...	108.37	0.0000	-1.61	0.0000
At S33 ...	108.32	0.0000	-1.67	0.0000
At S21 ...	108.60	0.0000	-1.39	0.0000
At S22 ...	108.24	0.0000	-1.75	0.0000
At S23 ...	107.99	0.0000	-2.00	0.0000
At S11 ...	108.11	0.0000	-1.88	0.0000
At S12 ...	108.67	0.0000	-1.31	0.0000
At S13 ...	108.38	0.0000	-1.61	0.0000
Average...	108.33	0.0000	-1.65	0.0000
At W31 ...	108.23	0.0000	-1.76	0.0000
At W32 ...	108.46	0.0000	-1.53	0.0000
At W33 ...	108.11	0.0000	-1.88	0.0000
At W21 ...	108.37	0.0000	-1.62	0.0000
At W22 ...	108.33	0.0000	-1.66	0.0000
At W23 ...	108.33	0.0000	-1.66	0.0000
At W11 ...	108.31	0.0000	-1.68	0.0000
At W12 ...	108.13	0.0000	-1.86	0.0000
At W13 ...	107.65	0.0000	-2.34	0.0000
Average...	108.21	0.0000	-1.78	0.0000

Internal pressure (I4) is: -109.40 Pa.
Internal pressure (I3) is: -110.13 Pa.
Internal pressure (I2) is: -110.18 Pa.
Internal pressure (I1) is: -110.24 Pa.
Average internal pressure is: -109.99 Pa.

Temperature inside is: 22.10 Degree C.
Temperature outside is: 22.65 Degree C.

Wind velocity of wind tunnel is: 0.00 m/s.

Mechanical ventilation flow rate is: 180.00 cfm.

Wind angle is: 0 Degree.

Type of flow is: UNIFORM / FIXED Q

Location of opening: ALL OPEN

APPENDIX D

TABULATED TEST RESULTS
FOR SIMULATION OF THE COMBINED OF BOTH EFFECTS

LIST OF TESTINGS

	TEST	TAPE	V(m/s)	ANGLE	T.FLOW	F.RATE	L.OPEN
1	TES148	4	10 m/s	0	SHEAR	120	ALL OPEN
2	TES149	4	10 m/s	0	SHEAR	150	ALL OPEN
3	TES140	4	10 m/s	0	SHEAR	180	ALL OPEN
4	TES150	4	10 m/s	0	SHEAR	210	ALL OPEN
5	TES141	4	10 m/s	30	SHEAR	180	ALL OPEN
6	TES142	4	10 m/s	45	SHEAR	180	ALL OPEN
7	TES143	4	10 m/s	60	SHEAR	180	ALL OPEN
8	TES144	4	5 m/s	0	SHEAR	180	ALL OPEN
9	TES145	4	7.25m/s	0	SHEAR	180	ALL OPEN
10	TES146	4	12.5m/s	0	SHEAR	180	ALL OPEN
11	TES159	4	10 m/s	0	UNIFORM	90	ALL OPEN
12	TES157	4	10 m/s	0	UNIFORM	120	ALL OPEN
13	TES158	4	10 m/s	0	UNIFORM	150	ALL OPEN
14	TES153	4	10 m/s	0	UNIFORM	180	ALL OPEN
15	TES154	4	10 m/s	30	UNIFORM	180	ALL OPEN
16	TES155	4	10 m/s	45	UNIFORM	180	ALL OPEN
17	TES156	4	10 m/s	60	UNIFORM	180	ALL OPEN
18	TES151	4	5 m/s	0	UNIFORM	180	ALL OPEN
19	TES152	4	7.25m/s	0	UNIFORM	180	ALL OPEN

PRESSURE AND PRESSURE COEFFICIENT FOR TES148

NOTE:

dP = PRESSURE DIFFERENCE ACROSS THE WALL.
dPw = EXTERNAL PRESSURE WRT REFERENCE PRESSURE.
Cp = PRESSURE COEFFICIENT BASED ON dP.
Cpw = PRESSURE COEFFICIENT BASED ON dPw.

	dP (Pa)	Cp	dPw (Pa)	Cpw
At N31 ...	123.09	2.0422	40.50	.6720
At N32 ...	129.68	2.1515	47.10	.7314
At N33 ...	119.69	1.9858	37.11	.6157
At N21 ...	117.87	1.9557	35.29	.5855
At N22 ...	120.87	2.0054	38.29	.6352
At N23 ...	112.09	1.8597	29.51	.4895
At N11 ...	110.89	1.8398	28.31	.4696
At N12 ...	105.61	1.7521	23.02	.3320
At N13 ...	99.52	1.6511	16.93	.2810
Average...	115.48	1.9159	32.89	.5458
At E31 ...	44.82	.7436	-37.77	-.6266
At E32 ...	29.56	.4905	-53.02	-.6797
At E33 ...	28.81	.4780	-53.77	-.6921
At E21 ...	44.07	.7312	-38.51	-.6390
At E22 ...	30.03	.4982	-52.56	-.8720
At E23 ...	30.52	.5064	-52.06	-.8638
At E11 ...	52.83	.8764	-29.76	-.4937
At E12 ...	34.18	.5671	-48.41	-.8051
At E13 ...	25.11	.4166	-57.47	-.9535
Average...	35.55	.5898	-47.04	-.7804
At S31 ...	59.89	.9937	-22.69	-.3764
At S32 ...	60.36	1.0014	-22.22	-.3687
At S33 ...	59.10	.9805	-23.48	-.3896
At S21 ...	59.58	.9895	-23.00	-.3817
At S22 ...	62.45	1.0361	-20.14	-.3341
At S23 ...	60.98	1.0117	-21.61	-.3585
At S11 ...	61.88	1.0266	-20.71	-.3435
At S12 ...	62.50	1.0370	-20.08	-.3331
At S13 ...	62.43	1.0358	-20.15	-.3343
Average...	61.02	1.0124	-21.56	-.3578
At W31 ...	33.92	.5628	-48.66	-.8073
At W32 ...	32.22	.5345	-50.37	-.8356
At W33 ...	45.88	.7612	-36.70	-.6090
At W21 ...	37.14	.6162	-45.44	-.7540
At W22 ...	36.48	.6053	-46.10	-.7649
At W23 ...	42.66	.7078	-39.92	-.6624
At W11 ...	31.45	.5217	-51.14	-.8484
At W12 ...	34.36	.5701	-48.22	-.8001
At W13 ...	48.27	.8009	-34.31	-.5693
Average...	38.04	.6312	-44.54	-.7390

Internal pressure (I4) is: -82.80 Pa.
Internal pressure (I3) is: -82.35 Pa.
Internal pressure (I2) is: -82.44 Pa.
Internal pressure (I1) is: -82.75 Pa.
Average internal pressure is: -82.58 Pa.

Temperature inside is: 21.59 Degree C.
Temperature outside is: 22.36 Degree C.

Wind velocity of wind tunnel is: 10.03 m/s.

Mechanical ventilation flow rate is: 120.00 cfm.

Wind angle is: 0 Degree.

Type of flow is: SHEAR / FIXED Q

Location of opening: ALL OPEN / 10 SECONDS

PRESSURE AND PRESSURE COEFFICIENT FOR TES149

NOTE:

dP = PRESSURE DIFFERENCE ACROSS THE WALL.
dPw = EXTERNAL PRESSURE WRT REFERENCE PRESSURE.
Cp = PRESSURE COEFFICIENT BASED ON dP.
Cpw = PRESSURE COEFFICIENT BASED ON dPw.

	dP (Pa)	Cp	dPw (Pa)	Cpw
-----	-----	---	-----	----
At N31 ...	145.12	2.4213	36.23	.6046
At N32 ...	144.87	2.4172	35.99	.6005
At N33 ...	139.73	2.3315	30.95	.5143
At N21 ...	136.17	2.2720	27.29	.4554
At N22 ...	138.39	2.3090	29.51	.4923
At N23 ...	135.51	2.2610	26.63	.4443
At N11 ...	138.73	2.3147	29.95	.4980
At N12 ...	130.53	2.1778	21.64	.3611
At N13 ...	124.92	2.0843	16.04	.2676
Average...	137.11	2.2976	28.23	.4710
At E31 ...	69.44	1.1536	-39.44	-.6581
At E32 ...	54.13	.9032	-54.75	-.9135
At E33 ...	55.78	.9307	-53.10	-.8860
At E21 ...	71.17	1.1874	-37.71	-.6292
At E22 ...	57.09	.9525	-51.79	-.8641
At E23 ...	57.05	.9519	-51.83	-.8648
At E11 ...	79.86	1.3324	-29.02	-.4843
At E12 ...	62.44	1.0418	-46.44	-.7749
At E13 ...	50.69	.8458	-59.19	-.9709
Average...	61.96	1.0338	-46.92	-.7829
At S31 ...	85.35	1.4240	-23.53	-.3926
At S32 ...	86.92	1.4503	-21.96	-.3664
At S33 ...	85.84	1.4322	-23.04	-.3844
At S21 ...	87.71	1.4634	-21.17	-.3533
At S22 ...	89.35	1.4908	-19.53	-.3259
At S23 ...	86.24	1.4389	-22.64	-.3773
At S11 ...	87.44	1.4589	-21.44	-.3577
At S12 ...	89.25	1.4891	-19.63	-.3276
At S13 ...	89.23	1.4887	-19.66	-.3279
Average...	87.48	1.4596	-21.40	-.3571
At W31 ...	58.63	.9783	-50.25	-.8384
At W32 ...	58.02	.9681	-50.86	-.8486
At W33 ...	71.28	1.1893	-37.60	-.6274
At W21 ...	64.98	1.0841	-43.90	-.7325
At W22 ...	61.46	1.0254	-47.42	-.7912
At W23 ...	70.13	1.1701	-38.75	-.6466
At W11 ...	58.63	.9791	-50.20	-.8376
At W12 ...	62.87	1.0490	-46.01	-.7677
At W13 ...	75.55	1.2605	-33.33	-.5561
Average...	64.62	1.0792	-44.26	-.7385

Internal pressure (I4) is: -108.37 Pa.
Internal pressure (I3) is: -109.11 Pa.
Internal pressure (I2) is: -108.94 Pa.
Internal pressure (I1) is: -109.11 Pa.
Average internal pressure is: -108.88 Pa.

Temperature inside is: 21.50 Degree C.
Temperature outside is: 22.13 Degree C.

Wind velocity of wind tunnel is: 10.00 m/s.

Mechanical ventilation flow rate is: 150.00 cfm.

Wind angle is: 0 Degree.

Type of flow is: SHEAR / FIXED Q

Location of opening: ALL OPEN / 10 SECONDS

PRESSURE AND PRESSURE COEFFICIENT FOR TES140

NOTE:

dP = PRESSURE DIFFERENCE ACROSS THE WALL.
dPw = EXTERNAL PRESSURE WRT REFERENCE PRESSURE.
Cp = PRESSURE COEFFICIENT BASED ON dP.
Cpw = PRESSURE COEFFICIENT BASED ON dPw.

	dP (Pa)	Cp	dPw (Pa)	Cpw
At N31 ...	179.73	2.9772	38.81	.6429
At N32 ...	179.77	2.9779	38.85	.6436
At N33 ...	172.15	2.8518	31.24	.5174
At N21 ...	169.70	2.8112	28.78	.4768
At N22 ...	175.62	2.9093	34.70	.5749
At N23 ...	164.66	2.7277	23.74	.3933
At N11 ...	170.43	2.8232	29.51	.4389
At N12 ...	163.58	2.7097	22.66	.3754
At N13 ...	157.76	2.6133	16.84	.2789
Average...	170.38	2.9224	29.46	.4380
At E31 ...	100.51	1.6650	-40.41	-.6694
At E32 ...	87.64	1.4519	-53.27	-.9825
At E33 ...	85.52	1.4167	-55.40	-.9177
At E21 ...	102.15	1.6922	-38.76	-.6421
At E22 ...	91.02	1.5078	-49.89	-.8265
At E23 ...	88.93	1.4731	-51.99	-.8612
At E11 ...	112.07	1.8565	-28.84	-.4778
At E12 ...	94.96	1.5730	-45.96	-.7614
At E13 ...	82.42	1.3653	-58.50	-.9691
Average...	93.91	1.5557	-47.00	-.7786
At S31 ...	117.65	1.9489	-23.27	-.3355
At S32 ...	118.24	1.9598	-22.67	-.3756
At S33 ...	116.92	1.9369	-23.99	-.3975
At S21 ...	118.79	1.9679	-22.12	-.3665
At S22 ...	119.36	1.9855	-21.06	-.3488
At S23 ...	119.54	1.9802	-21.38	-.3542
At S11 ...	119.01	1.9715	-21.91	-.3629
At S12 ...	120.73	2.0000	-20.18	-.3344
At S13 ...	119.88	1.9859	-21.03	-.3484
Average...	118.96	1.9706	-21.96	-.3633
At W31 ...	87.37	1.4474	-53.54	-.9870
At W32 ...	89.72	1.4862	-51.20	-.8492
At W33 ...	99.74	1.5522	-41.18	-.6822
At W21 ...	92.67	1.5352	-48.24	-.7992
At W22 ...	91.02	1.5077	-49.90	-.8266
At W23 ...	101.51	1.6816	-39.40	-.6528
At W11 ...	86.19	1.4277	-54.73	-.9066
At W12 ...	91.96	1.5233	-48.96	-.8111
At W13 ...	109.00	1.3057	-31.92	-.5287
Average...	94.35	1.5630	-46.56	-.7714

Internal pressure (I4) is: -141.25 Pa.
Internal pressure (I3) is: -140.65 Pa.
Internal pressure (I2) is: -140.88 Pa.
Internal pressure (I1) is: -140.33 Pa.
Average internal pressure is: -140.92 Pa.

Temperature inside is: 21.27 Degree C.
Temperature outside is: 21.91 Degree C.

Wind velocity of wind tunnel is: 10.03 m/s.

Mechanical ventilation flow rate is: 180.00 cfm.

Wind angle is: 0 Degree.

Type of flow is: SHEAR / FIXED Q

Location of opening: ALL OPEN / 10 SECONDS

PRESSURE AND PRESSURE COEFFICIENT FOR TES150

NOTE:

dP = PRESSURE DIFFERENCE ACROSS THE WALL.
dPw = EXTERNAL PRESSURE WRT REFERENCE PRESSURE.
Cp = PRESSURE COEFFICIENT BASED ON dP.
Cpw = PRESSURE COEFFICIENT BASED ON dPw.

	dP (Pa)	Cp	dPw (Pa)	Cpw
At N31 ...	212.71	3.5089	37.63	.6207
At N32 ...	214.96	3.5444	39.78	.6562
At N33 ...	208.15	3.4337	33.07	.5455
At N21 ...	205.97	3.3976	30.88	.5094
At N22 ...	204.24	3.3691	29.15	.4809
At N23 ...	199.87	3.2970	24.78	.4088
At N11 ...	201.82	3.3292	26.73	.4410
At N12 ...	197.96	3.2655	22.87	.3773
At N13 ...	191.90	3.1656	16.82	.2774
Average...	204.16	3.3679	28.08	.4797
At E31 ...	138.26	2.2807	-36.83	-.6075
At E32 ...	121.45	2.0035	-53.63	-.8847
At E33 ...	121.55	2.0050	-53.54	-.8832
At E21 ...	137.73	2.2720	-37.35	-.6161
At E22 ...	124.65	2.0561	-50.44	-.8321
At E23 ...	123.05	2.0299	-52.03	-.8583
At E11 ...	148.66	2.4522	-26.43	-.4360
At E12 ...	126.62	2.0886	-48.46	-.7994
At E13 ...	117.16	1.9327	-57.92	-.9555
Average...	128.79	2.1245	-46.29	-.7636
At S31 ...	151.89	2.5056	-23.19	-.3826
At S32 ...	153.59	2.5335	-21.50	-.3546
At S33 ...	151.87	2.5052	-23.22	-.3830
At S21 ...	154.50	2.5486	-20.56	-.3396
At S22 ...	155.36	2.5627	-19.73	-.3254
At S23 ...	153.98	2.5401	-21.10	-.3481
At S11 ...	153.95	2.5395	-21.14	-.3487
At S12 ...	155.22	2.5606	-19.36	-.3276
At S13 ...	154.83	2.5540	-20.26	-.3342
Average...	153.91	2.5389	-21.18	-.3493
At W31 ...	126.59	2.0882	-48.50	-.8000
At W32 ...	126.23	2.0823	-48.85	-.8059
At W33 ...	136.02	2.2437	-39.07	-.6445
At W21 ...	129.00	2.1280	-46.02	-.7602
At W22 ...	128.74	2.1237	-46.35	-.7645
At W23 ...	137.95	2.2756	-37.14	-.6126
At W11 ...	126.39	2.0850	-48.69	-.8032
At W12 ...	128.90	2.1264	-46.18	-.7618
At W13 ...	140.67	2.3205	-34.41	-.5677
Average...	131.17	2.1637	-43.92	-.7245

Internal pressure (I4) is: -175.33 Pa.
Internal pressure (I3) is: -175.38 Pa.
Internal pressure (I2) is: -174.75 Pa.
Internal pressure (I1) is: -174.88 Pa.
Average internal pressure is: -175.09 Pa.

Temperature inside is: 20.54 Degree C.
Temperature outside is: 21.26 Degree C.

Wind velocity of wind tunnel is: 10.04 m/s.

Mechanical ventilation flow rate is: 210.00 cfm.

Wind angle is: 0 Degree.

Type of flow is: SHEAR / FIXED Q

Location of opening: ALL OPEN / 10 SECONDS

PRESSURE AND PRESSURE COEFFICIENT FOR TES141

NOTE:

dP = PRESSURE DIFFERENCE ACROSS THE WALL.
dPw = EXTERNAL PRESSURE WRT REFERENCE PRESSURE.
Cp = PRESSURE COEFFICIENT BASED ON dP.
Cpw = PRESSURE COEFFICIENT BASED ON dPw.

	dP (Pa)	Cp	dPw (Pa)	Cpw
	-----	--	-----	----
At N31 ...	160.94	2.6339	30.27	.4954
At N32 ...	154.71	2.5320	24.04	.3935
At N33 ...	142.74	2.3361	12.07	.1975
At N21 ...	155.62	2.5469	24.95	.4083
At N22 ...	151.09	2.4727	20.42	.3342
At N23 ...	141.01	2.3077	10.34	.1692
At N11 ...	153.28	2.5576	25.61	.4191
At N12 ...	145.77	2.3856	15.10	.2471
At N13 ...	137.03	2.2426	6.36	.1041
Average...	149.47	2.4461	18.90	.3076
At E31 ...	127.45	2.0858	-3.22	-.0527
At E32 ...	134.58	2.2025	3.91	.0639
At E33 ...	142.81	2.3372	12.14	.1987
At E21 ...	129.36	2.1170	-1.31	-.0215
At E22 ...	135.00	2.2094	4.33	.0709
At E23 ...	140.44	2.2984	9.77	.1599
At E11 ...	128.32	2.1001	-2.35	-.0384
At E12 ...	136.81	2.2389	6.14	.1004
At E13 ...	137.31	2.2553	7.14	.1168
Average...	134.73	2.2050	4.06	.0665
At S31 ...	96.31	1.5763	-34.36	-.5623
At S32 ...	98.68	1.6149	-31.99	-.5236
At S33 ...	98.07	1.6050	-32.60	-.5335
At S21 ...	97.89	1.6021	-32.78	-.5364
At S22 ...	98.39	1.6101	-32.29	-.5284
At S23 ...	100.18	1.6394	-30.49	-.4991
At S11 ...	103.02	1.6860	-27.65	-.4525
At S12 ...	101.63	1.6633	-29.04	-.4752
At S13 ...	103.19	1.6887	-27.48	-.4498
Average...	99.71	1.6318	-30.96	-.5067
At W31 ...	92.24	1.5096	-38.43	-.6289
At W32 ...	92.21	1.5091	-38.46	-.6295
At W33 ...	88.50	1.4484	-42.17	-.6901
At W21 ...	95.01	1.5550	-35.66	-.5835
At W22 ...	92.90	1.5204	-37.77	-.6181
At W23 ...	89.71	1.4682	-40.96	-.6703
At W11 ...	97.64	1.5979	-33.03	-.5406
At W12 ...	94.82	1.5518	-35.85	-.5867
At W13 ...	91.61	1.4992	-39.06	-.6393
Average...	92.74	1.5177	-37.93	-.6208

Internal pressure (I4) is: -130.80 Pa.
Internal pressure (I3) is: -130.92 Pa.
Internal pressure (I2) is: -130.71 Pa.
Internal pressure (I1) is: -130.26 Pa.
Average internal pressure is: -130.67 Pa.

Temperature inside is: 21.31 Degree C.
Temperature outside is: 21.75 Degree C.

Wind velocity of wind tunnel is: 10.09 m/s.

Mechanical ventilation flow rate is: 180.00 cfh.

Wind angle is: 30 Degree.

Type of flow is: SHEAR / FIXED Q

Location of opening: ALL OPEN / 10 SECONDS

PRESSURE AND PRESSURE COEFFICIENT FOR TES142

NOTE:

dP = PRESSURE DIFFERENCE ACROSS THE WALL.
dPw = EXTERNAL PRESSURE WRT REFERENCE PRESSURE.
Cp = PRESSURE COEFFICIENT BASED ON dP.
Cpw = PRESSURE COEFFICIENT BASED ON dPw.

	dP (Pa)	Cp	dPw (Pa)	Cpw
	-----	--	-----	----
At N31 ...	148.80	2.4717	20.10	.3338
At N32 ...	142.81	2.3722	14.11	.2343
At N33 ...	129.80	2.1561	1.10	.0182
At N21 ...	144.92	2.4072	16.21	.2693
At N22 ...	140.90	2.3404	12.19	.2025
At N23 ...	127.61	2.1196	-1.10	-.0193
At N11 ...	149.03	2.4754	20.32	.3376
At N12 ...	135.90	2.2573	7.13	.1195
At N13 ...	128.68	2.1375	-.03	-.0004
Average...	138.72	2.3042	10.01	.1663
At E31 ...	140.68	2.3363	11.98	.1939
At E32 ...	150.97	2.5077	22.26	.3698
At E33 ...	162.54	2.6398	33.83	.5620
At E21 ...	139.64	2.3195	10.93	.1816
At E22 ...	147.48	2.4497	18.77	.3118
At E23 ...	157.87	2.6223	29.16	.4844
At E11 ...	136.39	2.2655	7.68	.1276
At E12 ...	144.91	2.4071	16.20	.2692
At E13 ...	150.19	2.4947	21.48	.3563
Average...	147.35	2.4559	19.15	.3180
At S31 ...	89.31	1.4835	-39.39	-.6543
At S32 ...	89.07	1.4796	-39.63	-.6583
At S33 ...	91.51	1.5200	-37.20	-.6179
At S21 ...	92.12	1.5302	-36.58	-.6077
At S22 ...	92.57	1.5376	-36.14	-.6003
At S23 ...	94.82	1.5750	-33.89	-.5629
At S11 ...	93.21	1.5482	-35.50	-.5897
At S12 ...	94.44	1.5687	-34.27	-.5692
At S13 ...	97.96	1.6271	-30.75	-.5107
Average...	92.78	1.5411	-35.93	-.5968
At W31 ...	91.33	1.5181	-37.31	-.6198
At W32 ...	88.69	1.4732	-40.01	-.6647
At W33 ...	87.52	1.4537	-41.19	-.6842
At W21 ...	92.86	1.5424	-35.35	-.5955
At W22 ...	90.92	1.5102	-37.79	-.6277
At W23 ...	89.56	1.4876	-39.15	-.6503
At W11 ...	98.15	1.6303	-30.56	-.5076
At W12 ...	95.26	1.5824	-33.44	-.5555
At W13 ...	94.94	1.5770	-33.77	-.5609
Average...	92.14	1.5305	-36.57	-.6074

Internal pressure (I4) is: -123.76 Pa.
Internal pressure (I3) is: -128.46 Pa.
Internal pressure (I2) is: -128.61 Pa.
Internal pressure (I1) is: -128.99 Pa.
Average internal pressure is: -128.71 Pa.

Temperature inside is: 20.29 Degree C.
Temperature outside is: 21.24 Degree C.

Wind velocity of wind tunnel is: 10.00 m/s.

Mechanical ventilation flow rate is: 180.00 cfm.

Wind angle is: 45 Degree.

Type of flow is: SHEAR / FIXED Q

Location of opening: ALL OPEN / 10 SECONDS

PRESSURE AND PRESSURE COEFFICIENT FOR TES143

NOTE:

dP = PRESSURE DIFFERENCE ACROSS THE WALL.
dPw = EXTERNAL PRESSURE WRT REFERENCE PRESSURE.
Cp = PRESSURE COEFFICIENT BASED ON dP.
Cpw = PRESSURE COEFFICIENT BASED ON dPw.

	dP (Pa)	Cp	dPw (Pa)	Cpw
At N31 ...	131.47	2.1719	1.46	.0241
At N32 ...	129.10	2.1162	-1.91	-.0316
At N33 ...	119.00	1.9658	-11.02	-.1820
At N21 ...	123.91	2.0468	-6.11	-.1009
At N22 ...	129.18	2.1340	-.83	-.0137
At N23 ...	118.85	1.9633	-11.17	-.1845
At N11 ...	132.09	2.1920	2.07	.0342
At N12 ...	125.98	2.0811	-4.04	-.0667
At N13 ...	120.69	1.9937	-9.33	-.1541
Average...	125.47	2.0728	-4.54	-.0750
At E31 ...	157.15	2.5961	27.14	.4463
At E32 ...	165.02	2.7261	35.01	.5783
At E33 ...	173.34	2.8635	43.33	.7157
At E21 ...	151.20	2.4978	21.19	.3500
At E22 ...	158.49	2.6182	28.47	.4704
At E23 ...	164.34	2.7149	34.33	.5671
At E11 ...	147.14	2.4307	17.12	.2829
At E12 ...	155.35	2.5863	25.33	.4135
At E13 ...	154.90	2.5589	24.89	.4111
Average...	158.55	2.6191	28.53	.4714
At S31 ...	90.11	1.4886	-39.90	-.6592
At S32 ...	91.25	1.5074	-38.77	-.6404
At S33 ...	92.14	1.5220	-37.88	-.6257
At S21 ...	88.32	1.4590	-41.70	-.6888
At S22 ...	91.86	1.5175	-38.15	-.6303
At S23 ...	95.25	1.5735	-34.76	-.5743
At S11 ...	90.97	1.5028	-39.04	-.6450
At S12 ...	92.51	1.5281	-37.51	-.6196
At S13 ...	95.83	1.5840	-34.13	-.5633
Average...	92.03	1.5203	-37.98	-.6275
At W31 ...	96.95	1.6016	-33.06	-.5462
At W32 ...	95.29	1.5741	-34.73	-.5737
At W33 ...	93.55	1.5454	-36.47	-.6024
At W21 ...	97.83	1.6162	-32.18	-.5316
At W22 ...	96.95	1.6016	-33.06	-.5462
At W23 ...	96.16	1.5886	-33.85	-.5592
At W11 ...	101.29	1.6731	-28.74	-.4747
At W12 ...	99.99	1.6517	-30.03	-.4960
At W13 ...	101.21	1.6719	-28.81	-.4759
Average...	97.69	1.6138	-32.33	-.5340

Internal pressure (I4) is: -130.22 Pa.
Internal pressure (I3) is: -129.69 Pa.
Internal pressure (I2) is: -129.93 Pa.
Internal pressure (I1) is: -130.22 Pa.
Average internal pressure is: -130.02 Pa.

Temperature inside is: 20.87 Degree C.
Temperature outside is: 21.71 Degree C.

Wind velocity of wind tunnel is: 10.04 m/s.

Mechanical ventilation flow rate is: 160.00 cfm.

Wind angle is: 60 Degree.

Type of flow is: SHEAR / FIXED G

Location of opening: ALL OPEN / 10 SECONDS

PRESSURE AND PRESSURE COEFFICIENT FOR TES144

NOTE:

dP = PRESSURE DIFFERENCE ACROSS THE WALL.
dPw = EXTERNAL PRESSURE WRT REFERENCE PRESSURE.
Cp = PRESSURE COEFFICIENT BASED ON dP.
Cpw = PRESSURE COEFFICIENT BASED ON dPw.

	dP (Pa)	Cp	dPw (Pa)	Cpw
At N31 ...	129.75	8.5233	8.99	.5906
At N32 ...	130.47	8.5710	9.72	.6383
At N33 ...	129.00	8.4745	8.25	.5418
At N21 ...	126.91	8.3371	6.16	.4044
At N22 ...	127.46	8.3731	6.70	.4404
At N23 ...	125.87	8.2684	5.11	.3357
At N11 ...	127.02	8.3443	6.27	.4116
At N12 ...	125.25	8.2279	4.49	.2952
At N13 ...	123.86	8.1364	3.10	.2037
Average...	127.29	8.3618	6.53	.4291
At E31 ...	109.18	7.1725	-11.57	-.7602
At E32 ...	105.38	6.9229	-15.37	-1.0099
At E33 ...	104.93	6.8931	-15.83	-1.0396
At E21 ...	109.73	7.2085	-11.02	-.7242
At E22 ...	104.99	6.8969	-15.77	-1.0358
At E23 ...	105.42	6.9249	-15.34	-1.0078
At E11 ...	111.95	7.3539	-6.81	-.5798
At E12 ...	106.64	7.0052	-14.12	-.9275
At E13 ...	103.54	6.8016	-17.22	-1.1311
Average...	106.86	7.0199	-13.89	-.9128
At S31 ...	112.41	7.3845	-8.34	-.5492
At S32 ...	112.97	7.4209	-7.79	-.5118
At S33 ...	112.71	7.4039	-8.05	-.5288
At S21 ...	114.00	7.4886	-6.76	-.4441
At S22 ...	114.05	7.4924	-6.70	-.4404
At S23 ...	114.03	7.4909	-6.73	-.4418
At S11 ...	113.97	7.4869	-6.79	-.4458
At S12 ...	114.37	7.5130	-6.39	-.4197
At S13 ...	114.36	7.5125	-6.40	-.4202
Average...	113.65	7.4659	-7.11	-.4668
At W31 ...	105.32	6.9189	-15.43	-1.0138
At W32 ...	106.14	6.9724	-14.62	-.9603
At W33 ...	108.97	7.1587	-11.78	-.7740
At W21 ...	106.89	7.0217	-13.87	-.9110
At W22 ...	107.05	7.0323	-13.71	-.9004
At W23 ...	109.35	7.1833	-11.41	-.7494
At W11 ...	105.90	6.9565	-14.86	-.9762
At W12 ...	106.17	6.9744	-14.59	-.9583
At W13 ...	110.94	7.2878	-9.82	-.6449
Average...	107.41	7.0562	-13.34	-.8765

Internal pressure (I4) is: -120.62 Pa.
Internal pressure (I3) is: -120.69 Pa.
Internal pressure (I2) is: -120.99 Pa.
Internal pressure (I1) is: -120.73 Pa.
Average internal pressure is: -120.76 Pa.

Temperature inside is: 20.91 Degree C.
Temperature outside is: 21.81 Degree C.

Wind velocity of wind tunnel is: 5.03 m/s.

Mechanical ventilation flow rate is: 160.00 cfm.

Wind angle is: 0 Degree.

Type of flow is: SHEAR / FIXED Q

Location of opening: ALL OPEN / 10 SECONDS

PRESSURE AND PRESSURE COEFFICIENT FOR TES145

NOTE:

dP = PRESSURE DIFFERENCE ACROSS THE WALL.
dPw = EXTERNAL PRESSURE WRT REFERENCE PRESSURE.
Cp = PRESSURE COEFFICIENT BASED ON dP.
Cpw = PRESSURE COEFFICIENT BASED ON dPw.

	dP (Pa)	Cp	dPw (Pa)	Cpw
At N31 ...	145.00	4.6126	18.71	.5951
At N32 ...	148.30	4.7178	22.01	.7002
At N33 ...	147.13	4.6805	20.84	.6629
At N21 ...	139.79	4.4470	13.50	.4295
At N22 ...	144.05	4.5824	17.76	.5649
At N23 ...	140.03	4.4547	13.74	.4372
At N11 ...	140.61	4.4732	14.32	.4557
At N12 ...	137.25	4.3661	10.96	.3486
At N13 ...	135.67	4.3161	9.38	.2935
Average...	141.98	4.5167	15.63	.4992
At E31 ...	102.73	3.2680	-23.56	-.7495
At E32 ...	95.75	3.0460	-30.54	-.9715
At E33 ...	96.85	3.0808	-29.44	-.9367
At E21 ...	105.28	3.3491	-21.01	-.6684
At E22 ...	99.16	3.1544	-27.13	-.8632
At E23 ...	97.89	3.1140	-28.40	-.9035
At E11 ...	110.41	3.5124	-15.88	-.5052
At E12 ...	101.45	3.2272	-24.84	-.7903
At E13 ...	96.11	3.0573	-30.18	-.9602
Average...	100.62	3.2010	-25.67	-.8165
At S31 ...	113.25	3.6028	-13.04	-.4148
At S32 ...	114.40	3.6392	-11.89	-.3793
At S33 ...	113.23	3.6021	-13.06	-.4154
At S21 ...	114.63	3.6467	-11.66	-.3709
At S22 ...	115.46	3.6729	-10.83	-.3447
At S23 ...	115.06	3.6601	-11.24	-.3574
At S11 ...	115.20	3.6646	-11.10	-.3530
At S12 ...	116.13	3.6945	-10.16	-.3231
At S13 ...	115.71	3.6810	-10.58	-.3365
Average...	114.79	3.6515	-11.51	-.3660
At W31 ...	99.65	3.1701	-26.64	-.8474
At W32 ...	98.97	3.1493	-27.32	-.8692
At W33 ...	105.75	3.3641	-20.54	-.6534
At W21 ...	101.27	3.2215	-25.02	-.7966
At W22 ...	100.46	3.1958	-25.83	-.8217
At W23 ...	105.31	3.3501	-20.98	-.6675
At W11 ...	98.16	3.1225	-28.13	-.8950
At W12 ...	99.51	3.1654	-26.79	-.8521
At W13 ...	105.27	3.3488	-21.02	-.6687
Average...	101.59	3.2319	-24.70	-.7857

Internal pressure (I4) is: -126.16 Pa.
Internal pressure (I3) is: -126.53 Pa.
Internal pressure (I2) is: -126.41 Pa.
Internal pressure (I1) is: -126.05 Pa.
Average internal pressure is: -126.29 Pa.

Temperature inside is: 21.13 Degree C.
Temperature outside is: 22.05 Degree C.

Wind velocity of wind tunnel is: 7.24 m/s.

Mechanical ventilation flow rate is: 180.00 cfh.

Wind angle is: 0 Degree.

Type of flow is: SHEAR / FIXED Q

Location of opening: ALL OPEN / 10 SECONDS

PRESSURE AND PRESSURE COEFFICIENT FOR TES146

NOTE:

dP = PRESSURE DIFFERENCE ACROSS THE WALL.
dPw = EXTERNAL PRESSURE WRT REFERENCE PRESSURE.
Cp = PRESSURE COEFFICIENT BASED ON dP.
Cpw = PRESSURE COEFFICIENT BASED ON dPw.

	dP (Pa)	Cp	dPw (Pa)	Cpw
	-----	--	-----	---
At N31 ...	220.96	2.3514	67.96	.7233
At N32 ...	224.53	2.3894	71.53	.7613
At N33 ...	212.42	2.2605	59.42	.6324
At N21 ...	205.48	2.1367	52.48	.5586
At N22 ...	208.51	2.2189	55.51	.5903
At N23 ...	190.73	2.0297	37.73	.4016
At N11 ...	200.23	2.1309	47.24	.5027
At N12 ...	189.79	2.0198	36.80	.3916
At N13 ...	184.42	1.9626	31.43	.3345
Average...	204.12	2.1722	51.12	.5441
At E31 ...	86.28	.9182	-66.71	-.7099
At E32 ...	67.11	.7142	-85.86	-.9140
At E33 ...	70.09	.7459	-82.91	-.8823
At E21 ...	87.96	.9361	-65.03	-.6920
At E22 ...	72.82	.7750	-80.17	-.8532
At E23 ...	71.86	.7647	-81.14	-.8634
At E11 ...	99.86	1.0628	-53.13	-.5654
At E12 ...	70.57	.7510	-82.42	-.8771
At E13 ...	58.07	.6180	-94.92	-1.0102
Average...	76.07	.8035	-76.92	-.8186
At S31 ...	114.92	1.2230	-38.08	-.4052
At S32 ...	116.49	1.2397	-36.50	-.3885
At S33 ...	114.43	1.2178	-38.56	-.4104
At S21 ...	119.58	1.2726	-33.41	-.3556
At S22 ...	120.72	1.2847	-32.27	-.3434
At S23 ...	117.63	1.2519	-35.36	-.3763
At S11 ...	119.42	1.2709	-33.53	-.3573
At S12 ...	122.88	1.3077	-30.11	-.3205
At S13 ...	119.01	1.2666	-33.98	-.3616
Average...	118.34	1.2594	-34.65	-.3687
At W31 ...	73.99	.7974	-79.00	-.8407
At W32 ...	75.67	.8053	-77.32	-.8229
At W33 ...	89.88	.9565	-63.11	-.6716
At W21 ...	83.96	.8935	-69.04	-.7347
At W22 ...	79.31	.8440	-73.63	-.7842
At W23 ...	91.97	.9787	-61.03	-.6495
At W11 ...	77.94	.8294	-75.06	-.7988
At W12 ...	79.28	.8437	-73.71	-.7844
At W13 ...	99.61	1.0600	-53.39	-.5682
Average...	83.51	.8887	-69.48	-.7394

Internal pressure (I4) is: -154.13 Pa.
Internal pressure (I3) is: -153.08 Pa.
Internal pressure (I2) is: -151.85 Pa.
Internal pressure (I1) is: -152.92 Pa.
Average internal pressure is: -152.99 Pa.

Temperature inside is: 21.44 Degree C.
Temperature outside is: 22.35 Degree C.

Wind velocity of wind tunnel is: 12.52 m/s.

Mechanical ventilation flow rate is: 180.00 cfm.

Wind angle is: 0 Degree.

Type of flow is: SHEAR / FIXED Q

Location of opening: ALL OPEN / 10 SECONDS

PRESSURE AND PRESSURE COEFFICIENT FOR TES159

NOTE:

dP = PRESSURE DIFFERENCE ACROSS THE WALL.
dPw = EXTERNAL PRESSURE WRT REFERENCE PRESSURE.
Cp = PRESSURE COEFFICIENT BASED ON dP.
Cpw = PRESSURE COEFFICIENT BASED ON dPw.

	dP (Pa)	Cp	dPw (Pa)	Cpw
	-----	--	-----	---
At N31 ...	127.22	2.0794	47.75	.7804
At N32 ...	131.63	2.1515	52.16	.8525
At N33 ...	125.62	2.0533	46.15	.7543
At N21 ...	134.87	2.2044	55.40	.9055
At N22 ...	139.56	2.2811	60.09	.9821
At N23 ...	130.74	2.1369	51.27	.8380
At N11 ...	140.60	2.2981	61.13	.9991
At N12 ...	137.62	2.2493	58.14	.9503
At N13 ...	121.40	1.9842	41.92	.6852
Average...	132.14	2.1598	52.67	.8603
At E31 ...	14.12	.2308	-65.35	-1.0692
At E32 ...	15.35	.2510	-64.12	-1.0480
At E33 ...	17.43	.2849	-62.04	-1.0141
At E21 ...	13.86	.2266	-65.61	-1.0724
At E22 ...	15.30	.2501	-64.17	-1.0488
At E23 ...	16.10	.2632	-63.37	-1.0353
At E11 ...	10.84	.1772	-68.63	-1.1217
At E12 ...	2.83	.0462	-76.65	-1.2527
At E13 ...	6.16	.1007	-73.31	-1.1983
Average...	12.45	.2034	-67.03	-1.0956
At S31 ...	25.48	.4164	-54.00	-.8920
At S32 ...	30.15	.4928	-49.32	-.8061
At S33 ...	26.94	.4403	-52.53	-.8586
At S21 ...	30.84	.5041	-48.63	-.7949
At S22 ...	33.40	.5459	-46.07	-.7530
At S23 ...	31.70	.5182	-47.77	-.7808
At S11 ...	38.21	.6246	-41.26	-.6744
At S12 ...	39.48	.6453	-39.89	-.6537
At S13 ...	38.33	.6264	-41.15	-.6725
Average...	32.73	.5349	-46.75	-.7641
At W31 ...	16.08	.2628	-63.39	-1.0361
At W32 ...	14.07	.2300	-65.40	-1.0690
At W33 ...	15.46	.2528	-64.01	-1.0462
At W21 ...	13.81	.2257	-65.66	-1.0733
At W22 ...	9.12	.1491	-70.35	-1.1499
At W23 ...	10.43	.1704	-69.05	-1.1236
At W11 ...	11.13	.1819	-68.34	-1.1171
At W12 ...	4.70	.0769	-74.77	-1.2221
At W13 ...	13.08	.2138	-66.40	-1.0852
Average...	11.89	.1959	-67.49	-1.1030

Internal pressure (I4) is: -79.63 Pa.
Internal pressure (I3) is: -79.65 Pa.
Internal pressure (I2) is: -79.23 Pa.
Internal pressure (I1) is: -79.39 Pa.
Average internal pressure is: -79.47 Pa.

Temperature inside is: 21.33 Degree C.
Temperature outside is: 21.79 Degree C.

Wind velocity of wind tunnel is: 10.10 m/s.

Mechanical ventilation flow rate is: 90.00 cfm.

Wind angle is: 0 Degree.

Type of flow is: UNIFORM / FIXED Q

Location of opening: ALL OPEN / 10 SECONDS

PRESSURE AND PRESSURE COEFFICIENT FOR TES157

NOTE:

dP = PRESSURE DIFFERENCE ACROSS THE WALL.
dPw = EXTERNAL PRESSURE WRT REFERENCE PRESSURE.
Cp = PRESSURE COEFFICIENT BASED ON dP.
Cpw = PRESSURE COEFFICIENT BASED ON dPw.

	dP (Pa)	Cp	dPw (Pa)	Cpw
At N31 ...	148.23	2.4445	49.17	.3109
At N32 ...	151.71	2.5020	52.66	.3684
At N33 ...	144.49	2.3828	45.43	.7492
At N21 ...	154.41	2.5464	55.35	.9128
At N22 ...	158.53	2.6144	59.47	.9808
At N23 ...	149.60	2.4671	50.54	.8335
At N11 ...	160.64	2.6492	61.53	1.0156
At N12 ...	156.12	2.6076	59.06	.9740
At N13 ...	141.94	2.3408	42.88	.7072
Average...	151.96	2.5061	52.90	.3725
At E31 ...	33.44	.5514	-65.62	-1.0822
At E32 ...	33.20	.5475	-65.86	-1.0861
At E33 ...	38.13	.6299	-60.93	-1.0047
At E21 ...	31.56	.5204	-67.50	-1.1132
At E22 ...	33.60	.5540	-65.46	-1.0796
At E23 ...	35.88	.5917	-63.18	-1.0419
At E11 ...	31.15	.5137	-67.91	-1.1199
At E12 ...	23.56	.3895	-75.50	-1.2451
At E13 ...	23.92	.3944	-75.14	-1.2392
Average...	31.60	.5212	-67.46	-1.1124
At S31 ...	46.50	.7669	-52.55	-.8667
At S32 ...	47.01	.7752	-52.05	-.8584
At S33 ...	44.09	.7271	-54.97	-.9066
At S21 ...	51.37	.8472	-47.69	-.7364
At S22 ...	54.44	.8978	-44.62	-.7358
At S23 ...	53.95	.8897	-45.11	-.7439
At S11 ...	57.96	.9559	-41.10	-.6777
At S12 ...	59.75	.9853	-39.31	-.6493
At S13 ...	58.60	.9664	-40.46	-.6672
Average...	52.63	.8680	-46.43	-.7657
At W31 ...	32.10	.5295	-66.95	-1.1042
At W32 ...	30.63	.5061	-63.37	-1.1275
At W33 ...	33.03	.5447	-66.03	-1.0889
At W21 ...	33.60	.5542	-65.46	-1.0795
At W22 ...	28.55	.4708	-70.51	-1.1623
At W23 ...	29.39	.4946	-69.07	-1.1390
At W11 ...	29.86	.4924	-69.20	-1.1412
At W12 ...	23.94	.3948	-75.12	-1.2589
At W13 ...	33.05	.5450	-66.01	-1.0896
Average...	30.53	.5036	-68.52	-1.1301

Internal pressure (I4) is: -100.43 Pa.
Internal pressure (I3) is: -98.52 Pa.
Internal pressure (I2) is: -98.63 Pa.
Internal pressure (I1) is: -98.66 Pa.
Average internal pressure is: -99.06 Pa.

Temperature inside is: 21.43 Degree C.
Temperature outside is: 21.91 Degree C.

Wind velocity of wind tunnel is: 10.06 m/s.

Mechanical ventilation flow rate is: 120.00 cfm.

Wind angle is: 0 Degree.

Type of flow is: UNIFORM / FIXED Q

Location of opening: ALL OPEN / 10 SECONDS

PRESSURE AND PRESSURE COEFFICIENT FOR TES158

NOTE:

dP = PRESSURE DIFFERENCE ACROSS THE WALL.
dPw = EXTERNAL PRESSURE WRT REFERENCE PRESSURE.
Cp = PRESSURE COEFFICIENT BASED ON dP.
Cpw = PRESSURE COEFFICIENT BASED ON dPw.

	dP (Pa)	Cp	dPw (Pa)	Cpw
At N31 ...	172.18	2.8206	47.74	.7821
At N32 ...	176.54	2.8919	52.09	.8534
At N33 ...	171.37	2.8072	46.92	.7687
At N21 ...	130.05	2.9495	55.61	.9109
At N22 ...	184.82	3.0276	60.38	.9890
At N23 ...	175.23	2.8705	50.78	.8319
At N11 ...	180.66	2.9595	56.22	.9209
At N12 ...	178.96	2.9317	54.52	.8932
At N13 ...	168.23	2.7569	43.85	.7183
Average...	176.45	2.8906	52.01	.8521
At E31 ...	61.69	1.0106	-62.75	-1.0290
At E32 ...	59.69	.9779	-64.75	-1.0607
At E33 ...	63.84	1.0458	-60.60	-.9923
At E21 ...	58.32	.9554	-66.12	-1.0832
At E22 ...	58.96	.9659	-65.48	-1.0727
At E23 ...	62.55	1.0247	-61.89	-1.0139
At E11 ...	55.91	.9159	-68.53	-1.1227
At E12 ...	48.77	.7989	-75.67	-1.2397
At E13 ...	48.77	.7989	-75.67	-1.2396
Average...	57.61	.9433	-66.83	-1.0949
At S31 ...	70.83	1.1603	-53.61	-.8783
At S32 ...	73.98	1.2119	-50.46	-.8267
At S33 ...	69.72	1.1422	-54.72	-.8963
At S21 ...	79.09	1.2957	-45.35	-.7429
At S22 ...	80.13	1.3126	-44.31	-.7259
At S23 ...	76.83	1.2587	-47.61	-.7799
At S11 ...	83.01	1.3599	-41.43	-.6787
At S12 ...	83.90	1.3744	-40.54	-.6641
At S13 ...	83.86	1.3738	-40.58	-.6647
Average...	77.93	1.2766	-46.51	-.7619
At W31 ...	58.54	.9589	-65.90	-1.0796
At W32 ...	57.33	.9474	-66.61	-1.0912
At W33 ...	60.78	.9956	-63.66	-1.0429
At W21 ...	58.35	.9559	-66.09	-1.0827
At W22 ...	53.95	.8933	-70.49	-1.1547
At W23 ...	56.01	.9175	-68.43	-1.1210
At W11 ...	52.93	.8670	-71.51	-1.1715
At W12 ...	48.28	.7909	-75.16	-1.2477
At W13 ...	58.02	.9504	-66.43	-1.0882
Average...	56.08	.9186	-68.37	-1.1199

Internal pressure (I4) is: -124.36 Pa.
Internal pressure (I3) is: -124.27 Pa.
Internal pressure (I2) is: -124.45 Pa.
Internal pressure (I1) is: -124.69 Pa.
Average internal pressure is: -124.44 Pa.

Temperature inside is: 21.51 Degree C.
Temperature outside is: 21.92 Degree C.

Wind velocity of wind tunnel is: 10.09 m/s.

Mechanical ventilation flow rate is: 150.00 cfm.

Wind angle is: 0 Degree.

Type of flow is: UNIFORM / FIXED Q

Location of opening: ALL OPEN / 10 SECONDS

PRESSURE AND PRESSURE COEFFICIENT FOR TES153

NOTE:

dP = PRESSURE DIFFERENCE ACROSS THE WALL.
dPw = EXTERNAL PRESSURE WRT REFERENCE PRESSURE.
Cp = PRESSURE COEFFICIENT BASED ON dP.
Cpw = PRESSURE COEFFICIENT BASED ON dPw.

	dP (Pa)	Cp	dPw (Pa)	Cpw
At N31 ...	201.26	3.3629	49.46	.8264
At N32 ...	201.65	3.3693	49.84	.8329
At N33 ...	197.94	3.3075	46.14	.7710
At N21 ...	207.38	3.4652	55.58	.9287
At N22 ...	210.22	3.5126	58.42	.9762
At N23 ...	199.16	3.3277	47.35	.7913
At N11 ...	211.87	3.5401	60.07	1.0037
At N12 ...	209.69	3.5037	57.89	.9672
At N13 ...	200.59	3.3517	48.79	.8152
Average...	204.42	3.4157	52.62	.8792
At E31 ...	89.48	1.4952	-62.32	-1.0413
At E32 ...	90.49	1.5120	-61.31	-1.0245
At E33 ...	90.69	1.5153	-61.11	-1.0212
At E21 ...	85.58	1.4299	-66.22	-1.1066
At E22 ...	84.80	1.4170	-67.00	-1.1195
At E23 ...	90.70	1.5156	-61.10	-1.0209
At E11 ...	85.52	1.4290	-66.28	-1.1075
At E12 ...	77.43	1.2938	-74.37	-1.2427
At E13 ...	74.16	1.2392	-77.64	-1.2973
Average...	85.43	1.4274	-66.37	-1.1090
At S31 ...	101.47	1.6955	-50.33	-.9410
At S32 ...	103.74	1.7335	-48.06	-.8030
At S33 ...	100.95	1.6851	-50.96	-.9514
At S21 ...	106.86	1.7855	-44.94	-.7509
At S22 ...	110.26	1.8423	-41.55	-.6942
At S23 ...	106.06	1.7721	-45.75	-.7644
At S11 ...	112.28	1.8761	-39.52	-.6604
At S12 ...	114.35	1.9107	-37.45	-.6258
At S13 ...	110.24	1.8420	-41.56	-.6945
Average...	107.35	1.7936	-44.46	-.7428
At W31 ...	89.53	1.4953	-62.28	-1.0406
At W32 ...	85.08	1.4216	-68.72	-1.1149
At W33 ...	88.72	1.4825	-63.08	-1.0540
At W21 ...	87.69	1.4652	-64.11	-1.0713
At W22 ...	83.63	1.3974	-68.17	-1.1391
At W23 ...	86.52	1.4457	-65.28	-1.0908
At W11 ...	81.48	1.3615	-70.32	-1.1750
At W12 ...	74.95	1.2523	-76.86	-1.2842
At W13 ...	85.92	1.4356	-65.89	-1.1009
Average...	84.83	1.4175	-66.97	-1.1190

Internal pressure (I4) is: -152.29 Pa.
Internal pressure (I3) is: -152.34 Pa.
Internal pressure (I2) is: -150.86 Pa.
Internal pressure (I1) is: -151.91 Pa.
Average internal pressure is: -151.80 Pa.

Temperature inside is: 21.60 Degree C.
Temperature outside is: 21.96 Degree C.

Wind velocity of wind tunnel is: 9.99 m/s.

Mechanical ventilation flow rate is: 180.00 cfm.

Wind angle is: 0 Degree.

Type of flow is: UNIFORM / FIXED G

Location of opening: ALL OPEN / 10 SECONDS

PRESSURE AND PRESSURE COEFFICIENT FOR TES154

NOTE:

dP = PRESSURE DIFFERENCE ACROSS THE WALL.
dPw = EXTERNAL PRESSURE WRT REFERENCE PRESSURE.
Cp = PRESSURE COEFFICIENT BASED ON dP.
Cpw = PRESSURE COEFFICIENT BASED ON dPw.

	dP (Pa)	Cp	dPw (Pa)	Cpw
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At N31 ...	183.14	3.0711	44.45	.7454
At N32 ...	172.62	2.8947	33.93	.5690
At N33 ...	158.06	2.6506	19.37	.3248
At N21 ...	191.47	3.2108	52.78	.8851
At N22 ...	179.68	3.0130	40.99	.6873
At N23 ...	162.92	2.7303	24.13	.4046
At N11 ...	185.19	3.1055	46.50	.7798
At N12 ...	174.80	2.9313	36.11	.6056
At N13 ...	164.87	2.7648	26.13	.4391
Average...	174.74	2.9302	36.05	.6045
At E31 ...	127.66	2.1407	-11.03	-.1850
At E32 ...	139.58	2.3406	.89	.0149
At E33 ...	150.20	2.5188	11.51	.1930
At E21 ...	132.44	2.2209	-6.25	-.1048
At E22 ...	144.10	2.4164	5.41	.0907
At E23 ...	158.22	2.6532	19.53	.3275
At E11 ...	138.38	2.3205	-.31	-.0052
At E12 ...	148.77	2.4948	10.03	.1691
At E13 ...	156.97	2.6323	18.28	.3066
Average...	144.04	2.4154	5.35	.0897
At S31 ...	82.13	1.3773	-56.56	-.9484
At S32 ...	85.78	1.4385	-52.91	-.8872
At S33 ...	87.97	1.4752	-50.72	-.8505
At S21 ...	86.05	1.4430	-52.64	-.8828
At S22 ...	87.87	1.4735	-50.32	-.8523
At S23 ...	99.43	1.4997	-49.26	-.8260
At S11 ...	96.67	1.6211	-42.02	-.7046
At S12 ...	95.56	1.6025	-43.13	-.7232
At S13 ...	96.70	1.6215	-41.39	-.7042
Average...	99.80	1.5058	-48.89	-.8199
At W31 ...	80.48	1.3495	-58.21	-.9762
At W32 ...	79.31	1.3384	-58.87	-.9873
At W33 ...	77.83	1.3060	-60.81	-1.0197
At W21 ...	84.48	1.4167	-54.21	-.9090
At W22 ...	81.19	1.3616	-57.50	-.9641
At W23 ...	78.51	1.3165	-60.18	-1.0092
At W11 ...	92.02	1.5431	-46.67	-.7826
At W12 ...	87.93	1.4745	-50.76	-.8512
At W13 ...	83.15	1.3944	-55.54	-.9313
Average...	82.83	1.3890	-55.86	-.9367

Internal pressure (I4) is: -138.00 Pa.
Internal pressure (I3) is: -139.30 Pa.
Internal pressure (I2) is: -138.94 Pa.
Internal pressure (I1) is: -138.51 Pa.
Average internal pressure is: -138.69 Pa.

Temperature inside is: 21.35 Degree C.
Temperature outside is: 21.83 Degree C.

Wind velocity of wind tunnel is: 9.97 m/s.

Mechanical ventilation flow rate is: 180.00 cfm.

Wind angle is: 30 Degree.

Type of flow is: UNIFORM / FIXED Q

Location of opening: ALL OPEN / 10 SECONDS

PRESSURE AND PRESSURE COEFFICIENT FOR TEST 55

NOTE:

dP = PRESSURE DIFFERENCE ACROSS THE WALL.
dPw = EXTERNAL PRESSURE WRT REFERENCE PRESSURE.
Cp = PRESSURE COEFFICIENT BASED ON dP.
Cpw = PRESSURE COEFFICIENT BASED ON dPw.

	dP (Pa)	Cp	dPw (Pa)	Cpw
At N31 ...	164.95	2.7241	26.41	.4361
At N32 ...	156.05	2.5771	17.51	.2892
At N33 ...	141.03	2.3290	2.48	.0410
At N21 ...	171.39	2.8305	32.85	.5425
At N22 ...	163.77	2.7046	25.23	.4167
At N23 ...	142.81	2.3585	4.27	.0705
At N11 ...	175.42	2.9970	36.88	.6090
At N12 ...	159.83	2.6394	21.28	.3515
At N13 ...	147.43	2.4347	8.89	.1468
Average...	158.08	2.6106	19.53	.3226
At E31 ...	147.55	2.4367	9.01	.1488
At E32 ...	162.93	2.6908	24.39	.4028
At E33 ...	174.00	2.8736	35.46	.5856
At E21 ...	154.09	2.5447	15.55	.2567
At E22 ...	171.51	2.9323	32.96	.5444
At E23 ...	183.26	3.0264	44.71	.7384
At E11 ...	159.35	2.6315	20.80	.3435
At E12 ...	176.47	2.9142	37.92	.6263
At E13 ...	185.68	3.0664	47.13	.7734
Average...	168.32	2.7796	29.77	.4917
At S31 ...	76.49	1.2631	-62.06	-1.0248
At S32 ...	79.44	1.3118	-59.11	-.9761
At S33 ...	81.49	1.3458	-57.05	-.9422
At S21 ...	78.53	1.2968	-60.02	-.9911
At S22 ...	31.12	1.3397	-57.42	-.9483
At S23 ...	84.00	1.3372	-54.55	-.9008
At S11 ...	87.27	1.4412	-51.27	-.8468
At S12 ...	88.34	1.4588	-50.21	-.8292
At S13 ...	92.02	1.5196	-46.52	-.7683
Average...	83.19	1.3738	-55.36	-.9142
At W31 ...	81.61	1.3477	-56.93	-.9402
At W32 ...	78.36	1.2941	-60.18	-.9939
At W33 ...	74.96	1.2380	-63.58	-1.0500
At W21 ...	82.99	1.3708	-55.55	-.9174
At W22 ...	81.49	1.3458	-57.05	-.9421
At W23 ...	77.10	1.2733	-61.44	-1.0147
At W11 ...	92.25	1.5234	-46.29	-.7645
At W12 ...	87.89	1.4515	-50.65	-.8364
At W13 ...	88.03	1.4537	-50.51	-.8342
Average...	82.74	1.3665	-55.80	-.9215

Internal pressure (I4) is: -138.89 Pa.
Internal pressure (I3) is: -138.75 Pa.
Internal pressure (I2) is: -138.28 Pa.
Internal pressure (I1) is: -138.26 Pa.
Average internal pressure is: -138.54 Pa.

Temperature inside is: 21.61 Degree C.
Temperature outside is: 21.93 Degree C.

Wind velocity of wind tunnel is: 10.05 m/s.

Mechanical ventilation flow rate is: 180.00 cfm.

Wind angle is: 45 Degree.

Type of flow is: UNIFORM / FIXED G

Location of opening: ALL OPEN / 10 SECONDS

PRESSURE AND PRESSURE COEFFICIENT FOR TES156

NOTE:

dP = PRESSURE DIFFERENCE ACROSS THE WALL.
dPw = EXTERNAL PRESSURE WRT REFERENCE PRESSURE.
Cp = PRESSURE COEFFICIENT BASED ON dP.
Cpw = PRESSURE COEFFICIENT BASED ON dPw.

	dP (Pa)	Cp	dPw (Pa)	Cpw
At N31 ...	139.83	2.2926	.59	.0097
At N32 ...	134.83	2.2105	-4.42	-.0724
At N33 ...	121.57	1.9932	-17.67	-.2897
At N21 ...	136.67	2.2407	-2.59	-.0422
At N22 ...	143.53	2.3532	4.29	.0703
At N23 ...	124.73	2.0450	-14.51	-.2379
At N11 ...	133.90	2.1954	-5.34	-.0875
At N12 ...	143.19	2.3476	3.94	.0647
At N13 ...	129.72	2.1267	-9.53	-.1562
Average...	134.22	2.2005	-5.02	-.0824
At E31 ...	167.49	2.7460	28.24	.4631
At E32 ...	178.86	2.9324	39.61	.6495
At E33 ...	191.59	3.1411	52.34	.8582
At E21 ...	174.49	2.8607	35.24	.5778
At E22 ...	139.38	3.1049	50.14	.8220
At E23 ...	198.61	3.2562	59.37	.9733
At E11 ...	178.48	2.9263	39.24	.6434
At E12 ...	191.74	3.1435	52.49	.8606
At E13 ...	199.67	3.2736	60.42	.9907
Average...	185.59	3.0427	46.34	.7598
At S31 ...	77.39	1.2688	-61.86	-1.0141
At S32 ...	79.36	1.3012	-59.88	-.9818
At S33 ...	80.88	1.3260	-58.37	-.9569
At S21 ...	78.91	1.2937	-60.34	-.9892
At S22 ...	82.67	1.3553	-56.58	-.9276
At S23 ...	85.02	1.3940	-54.22	-.8890
At S11 ...	85.31	1.3986	-53.94	-.8843
At S12 ...	89.02	1.4594	-50.23	-.8235
At S13 ...	92.30	1.5133	-46.94	-.7696
Average...	83.43	1.3678	-55.82	-.9151
At W31 ...	86.82	1.4234	-52.42	-.8595
At W32 ...	83.70	1.3723	-55.54	-.9106
At W33 ...	79.99	1.3114	-59.26	-.9715
At W21 ...	86.95	1.4255	-52.30	-.8574
At W22 ...	85.69	1.4049	-53.55	-.8730
At W23 ...	83.76	1.3732	-55.49	-.9097
At W11 ...	95.34	1.5631	-43.90	-.7198
At W12 ...	94.28	1.5458	-44.96	-.7371
At W13 ...	94.94	1.5566	-44.30	-.7263
Average...	87.94	1.4418	-51.30	-.8411

Internal pressure (I4) is: -139.26 Pa.
Internal pressure (I3) is: -139.24 Pa.
Internal pressure (I2) is: -139.05 Pa.
Internal pressure (I1) is: -139.43 Pa.
Average internal pressure is: -139.24 Pa.

Temperature inside is: 21.11 Degree C.
Temperature outside is: 21.44 Degree C.

Wind velocity of wind tunnel is: 10.09 m/s.

Mechanical ventilation flow rate is: 180.00 cfm.

Wind angle is: 60 Degree.

Type of flow is: UNIFORM / FIXED Q

Location of opening: ALL OPEN / 10 SECONDS

PRESSURE AND PRESSURE COEFFICIENT FOR TES151

NOTE:

dP = PRESSURE DIFFERENCE ACROSS THE WALL.
dPw = EXTERNAL PRESSURE WRT REFERENCE PRESSURE.
Cp = PRESSURE COEFFICIENT BASED ON dP.
Cpw = PRESSURE COEFFICIENT BASED ON dPw.

	dP (Pa)	Cp	dPw (Pa)	Cpw
	-----	--	-----	---
At N31 ...	137.38	9.1011	12.59	.8339
At N32 ...	138.55	9.1788	13.76	.9116
At N33 ...	136.61	9.0503	11.82	.7831
At N21 ...	138.94	9.2047	14.15	.9375
At N22 ...	140.68	9.3202	15.39	1.0530
At N23 ...	137.33	9.0982	12.54	.8310
At N11 ...	140.51	9.3085	15.72	1.0413
At N12 ...	139.01	9.2095	14.22	.9423
At N13 ...	136.39	9.0359	11.60	.7687
Average...	138.38	9.1675	13.59	.9003
At E31 ...	105.64	6.9983	-19.15	-1.2689
At E32 ...	106.15	7.0324	-18.64	-1.2348
At E33 ...	106.25	7.0389	-18.54	-1.2294
At E21 ...	105.27	6.9739	-19.52	-1.2934
At E22 ...	105.12	6.9640	-19.67	-1.3032
At E23 ...	106.28	7.0412	-18.51	-1.2260
At E11 ...	104.52	6.9244	-20.27	-1.3429
At E12 ...	102.57	6.7954	-22.22	-1.4718
At E13 ...	101.98	6.7560	-22.81	-1.5113
Average...	104.66	6.9471	-19.93	-1.3201
At S31 ...	108.27	7.1726	-16.52	-1.0946
At S32 ...	109.14	7.2306	-15.65	-1.0367
At S33 ...	108.08	7.1605	-16.71	-1.1067
At S21 ...	110.33	7.3089	-14.46	-.9583
At S22 ...	110.78	7.3393	-14.01	-.9279
At S23 ...	109.76	7.2715	-15.03	-.9953
At S11 ...	112.56	7.4573	-12.23	-.8100
At S12 ...	112.37	7.4442	-12.42	-.8231
At S13 ...	111.65	7.3967	-13.14	-.8705
Average...	110.33	7.3090	-14.46	-.9582
At W31 ...	106.16	7.0327	-18.63	-1.2345
At W32 ...	105.63	6.9977	-19.16	-1.2695
At W33 ...	105.20	6.9694	-19.59	-1.2978
At W21 ...	105.54	6.9920	-19.25	-1.2752
At W22 ...	104.72	6.9374	-20.07	-1.3298
At W23 ...	105.25	6.9728	-19.54	-1.2945
At W11 ...	104.01	6.8905	-20.73	-1.3767
At W12 ...	102.87	6.8149	-21.92	-1.4523
At W13 ...	105.20	6.9691	-19.60	-1.2982
Average...	104.95	6.9529	-19.84	-1.3143

Internal pressure (I4) is: -124.58 Pa.
Internal pressure (I3) is: -124.60 Pa.
Internal pressure (I2) is: -125.15 Pa.
Internal pressure (I1) is: -124.83 Pa.
Average internal pressure is: -124.79 Pa.

Temperature inside is: 21.21 Degree C.
Temperature outside is: 21.75 Degree C.

Wind velocity of wind tunnel is: 5.02 m/s.

Mechanical ventilation flow rate is: 180.00 cfm.

Wind angle is: 0 Degree.

Type of flow is: UNIFORM / FIXED Q.

Location of opening: ALL OPEN / 10 SECONDS

PRESSURE AND PRESSURE COEFFICIENT FOR TES152

NOTE:

dP = PRESSURE DIFFERENCE ACROSS THE WALL.
dPw = EXTERNAL PRESSURE WRT REFERENCE PRESSURE.
Cp = PRESSURE COEFFICIENT BASED ON dP.
Cpw = PRESSURE COEFFICIENT BASED ON dPw.

	dP (Pa)	Cp	dPw (Pa)	Cpw
At N31 ...	160.51	5.0942	26.25	.8333
At N32 ...	161.04	5.1113	26.79	.8503
At N33 ...	158.36	5.0260	24.10	.7650
At N21 ...	162.64	5.1621	28.39	.9011
At N22 ...	164.91	5.2339	30.65	.9729
At N23 ...	161.02	5.1105	26.77	.8496
At N11 ...	164.38	5.2173	30.13	.9563
At N12 ...	164.53	5.2218	30.27	.9609
At N13 ...	157.60	5.0019	23.35	.7410
Average...	161.67	5.1310	27.41	.8700
At E31 ...	100.33	3.1843	-33.92	-1.0767
At E32 ...	99.59	3.1608	-34.66	-1.1002
At E33 ...	100.24	3.1814	-34.01	-1.0796
At E21 ...	98.31	3.1202	-35.94	-1.1407
At E22 ...	98.04	3.1118	-36.21	-1.1492
At E23 ...	100.85	3.2007	-33.41	-1.0603
At E11 ...	97.43	3.0921	-36.83	-1.1688
At E12 ...	92.86	2.9474	-41.39	-1.3136
At E13 ...	93.14	2.9562	-41.11	-1.3047
Average...	97.87	3.1061	-36.39	-1.1549
At S31 ...	106.46	3.3769	-27.79	-.8821
At S32 ...	106.83	3.3905	-27.43	-.8705
At S33 ...	106.51	3.3803	-27.75	-.8806
At S21 ...	108.15	3.4325	-26.10	-.8284
At S22 ...	111.37	3.5347	-22.88	-.7262
At S23 ...	109.32	3.4696	-24.94	-.7914
At S11 ...	112.73	3.5779	-21.52	-.6831
At S12 ...	113.03	3.5873	-21.23	-.6737
At S13 ...	111.75	3.5467	-22.50	-.7142
Average...	109.57	3.4776	-24.68	-.7834
At W31 ...	98.89	3.1382	-35.38	-1.1228
At W32 ...	97.81	3.1044	-36.44	-1.1566
At W33 ...	98.29	3.1196	-35.96	-1.1414
At W21 ...	99.35	3.1531	-34.91	-1.1078
At W22 ...	96.26	3.0552	-37.99	-1.2058
At W23 ...	97.90	3.1072	-36.35	-1.1538
At W11 ...	97.98	3.1098	-36.27	-1.1512
At W12 ...	96.29	3.0561	-37.96	-1.2049
At W13 ...	98.27	3.1188	-35.99	-1.1421
Average...	97.89	3.1069	-36.36	-1.1540

Internal pressure (I4) is: -134.30 Pa.
Internal pressure (I3) is: -134.49 Pa.
Internal pressure (I2) is: -133.92 Pa.
Internal pressure (I1) is: -134.29 Pa.
Average internal pressure is: -134.25 Pa.

Temperature inside is: 21.58 Degree C.
Temperature outside is: 22.02 Degree C.

Wind velocity of wind tunnel is: 7.25 m/s.

Mechanical ventilation flow rate is: 180.00 cfm.

Wind angle is: 0 Degree.

Type of flow is: UNIFORM / FIXED Q

Location of opening: ALL OPEN / 10 SECONDS

APPENDIX E

RESULTS OF AIR INFILTRATION RATES
DUE TO THE ACTION OF WIND

LIST OF TABLES OF AIR INFILTRATION/EXFILTRATION RATES

#	TEST#	TAPE	V(m/s)	ANGLE	T.FLOW	F.RATE	L.OPEN
1	TEST1	1	10 m/s	0	UNIFORM	0	ALL OPEN
2	TEST2	1	10 m/s	10	UNIFORM	0	ALL OPEN
3	TEST3	1	10 m/s	20	UNIFORM	0	ALL OPEN
4	TEST4	1	10 m/s	30	UNIFORM	0	ALL OPEN
5	TEST5	1	10 m/s	40	UNIFORM	0	ALL OPEN
6	TEST6	1	10 m/s	50	UNIFORM	0	ALL OPEN
7	TEST7	1	10 m/s	60	UNIFORM	0	ALL OPEN
8	TEST8	1	10 m/s	70	UNIFORM	0	ALL OPEN
9	TEST9	1	10 m/s	80	UNIFORM	0	ALL OPEN
10	TEST10	1	10 m/s	90	UNIFORM	0	ALL OPEN
11	TEST11	1	10 m/s	120	UNIFORM	0	ALL OPEN
12	TEST12	1	10 m/s	150	UNIFORM	0	ALL OPEN
13	TEST13	1	10 m/s	180	UNIFORM	0	ALL OPEN
14	TEST14	1	10 m/s	210	UNIFORM	0	ALL OPEN
15	TEST15	1	10 m/s	240	UNIFORM	0	ALL OPEN
16	TEST16	1	10 m/s	270	UNIFORM	0	ALL OPEN
17	TEST17	1	10 m/s	300	UNIFORM	0	ALL OPEN
18	TEST18	1	10 m/s	330	UNIFORM	0	ALL OPEN
19	TEST19	1	10 m/s	45	UNIFORM	0	ALL OPEN
20	TEST21	1	12.5m/s	0	UNIFORM	0	ALL OPEN
21	TEST40	1	5 m/s	0	UNIFORM	0	ALL OPEN
22	TEST51	2	7.5 m/s	0	UNIFORM	0	ALL OPEN
23	TEST62	2	10 m/s	0	SHEAR	0	ALL OPEN
24	TEST63	2	10 m/s	10	SHEAR	0	ALL OPEN
25	TEST64	2	10 m/s	20	SHEAR	0	ALL OPEN
26	TEST65	2	10 m/s	30	SHEAR	0	ALL OPEN
27	TEST66	2	10 m/s	40	SHEAR	0	ALL OPEN
28	TEST67	2	10 m/s	45	SHEAR	0	ALL OPEN
29	TEST68	2	10 m/s	50	SHEAR	0	ALL OPEN
30	TEST77	2	10 m/s	60	SHEAR	0	ALL OPEN
31	TEST78	2	10 m/s	70	SHEAR	0	ALL OPEN
32	TEST79	2	10 m/s	80	SHEAR	0	ALL OPEN
33	TEST80	2	10 m/s	90	SHEAR	0	ALL OPEN
34	TEST81	2	10 m/s	120	SHEAR	0	ALL OPEN
35	TEST82	2	10 m/s	150	SHEAR	0	ALL OPEN
36	TEST83	2	10 m/s	180	SHEAR	0	ALL OPEN
37	TEST84	3	10 m/s	210	SHEAR	0	ALL OPEN
38	TEST85	3	10 m/s	240	SHEAR	0	ALL OPEN
39	TEST86	3	10 m/s	270	SHEAR	0	ALL OPEN
40	TEST87	3	10 m/s	300	SHEAR	0	ALL OPEN
41	TEST88	3	10 m/s	330	SHEAR	0	ALL OPEN
42	TEST69	2	12.5m/s	0	SHEAR	0	ALL OPEN
43	TEST70	2	5 m/s	0	SHEAR	0	ALL OPEN
44	TEST71	2	7.5m/s	0	SHEAR	0	ALL OPEN

FLOW RATE, REYNOLD # & NET FLOW BY INTERNAL PRESSURE : TEST1

Test Parameters:

Wind Velocity Of Wind Tunnel is : 10.04 m/s.

Wind Angle is : 0 degree.

Type Of Flow : UNIFORM

Mechanical Ventilation : 0.0000E+00 cu m/s. (0.00 cfm)

All Gaps Are Open.

Total North side infiltration : 3.4335E-04 cu m/s.
 Total North side exfiltration : 0.0000E+00 cu m/s.
 Total East side infiltration : 0.0000E+00 cu m/s.
 Total East side exfiltration : -1.5914E-04 cu m/s.
 Total South side infiltration : 1.8329E-06 cu m/s.
 Total South side exfiltration : -5.3266E-05 cu m/s.
 Total West side infiltration : 0.0000E+00 cu m/s.
 Total West side exfiltration : -1.6104E-04 cu m/s.

Net Flow Rate (Less Ventilation) : -2.8257E-05 cu m/s.

Gap # 1 ...Flow Rate :	2.7434E-05	cu m/s...	Re # :	1092.
Gap # 2 ...Flow Rate :	2.3049E-05	cu m/s...	Re # :	1116.
Gap # 3 ...Flow Rate :	2.8175E-05	cu m/s...	Re # :	1121.
Gap # 4 ...Flow Rate :	2.7691E-05	cu m/s...	Re # :	1102.
Gap # 5 ...Flow Rate :	2.8533E-05	cu m/s...	Re # :	1135.
Gap # 6 ...Flow Rate :	2.9207E-05	cu m/s...	Re # :	1162.
Gap # 7 ...Flow Rate :	2.9278E-05	cu m/s...	Re # :	1165.
Gap # 8 ...Flow Rate :	2.8677E-05	cu m/s...	Re # :	1141.
Gap # 9 ...Flow Rate :	2.9400E-05	cu m/s...	Re # :	1170.
Gap #10 ...Flow Rate :	2.9566E-05	cu m/s...	Re # :	1176.
Gap #11 ...Flow Rate :	2.9030E-05	cu m/s...	Re # :	1155.
Gap #12 ...Flow Rate :	2.8314E-05	cu m/s...	Re # :	1127.
Gap #13 ...Flow Rate :	-1.2499E-05	cu m/s...	Re # :	497.
Gap #14 ...Flow Rate :	-1.2220E-05	cu m/s...	Re # :	486.
Gap #15 ...Flow Rate :	-1.1928E-05	cu m/s...	Re # :	475.
Gap #16 ...Flow Rate :	-1.1921E-05	cu m/s...	Re # :	474.
Gap #17 ...Flow Rate :	-1.3378E-05	cu m/s...	Re # :	532.
Gap #18 ...Flow Rate :	-1.3170E-05	cu m/s...	Re # :	524.
Gap #19 ...Flow Rate :	-1.2491E-05	cu m/s...	Re # :	497.
Gap #20 ...Flow Rate :	-1.2008E-05	cu m/s...	Re # :	478.
Gap #21 ...Flow Rate :	-1.3782E-05	cu m/s...	Re # :	546.
Gap #22 ...Flow Rate :	-1.4971E-05	cu m/s...	Re # :	596.
Gap #23 ...Flow Rate :	-1.5625E-05	cu m/s...	Re # :	622.
Gap #24 ...Flow Rate :	-1.5151E-05	cu m/s...	Re # :	603.
Gap #25 ...Flow Rate :	-8.0940E-06	cu m/s...	Re # :	322.
Gap #26 ...Flow Rate :	-8.2910E-06	cu m/s...	Re # :	330.
Gap #27 ...Flow Rate :	-8.6166E-06	cu m/s...	Re # :	343.
Gap #28 ...Flow Rate :	-8.7471E-06	cu m/s...	Re # :	348.
Gap #29 ...Flow Rate :	-4.2992E-06	cu m/s...	Re # :	171.
Gap #30 ...Flow Rate :	-3.4961E-06	cu m/s...	Re # :	139.
Gap #31 ...Flow Rate :	-4.4342E-06	cu m/s...	Re # :	176.
Gap #32 ...Flow Rate :	-5.9229E-06	cu m/s...	Re # :	236.
Gap #33 ...Flow Rate :	2.8806E-07	cu m/s...	Re # :	11.
Gap #34 ...Flow Rate :	1.1675E-06	cu m/s...	Re # :	46.
Gap #35 ...Flow Rate :	3.7731E-07	cu m/s...	Re # :	15.
Gap #36 ...Flow Rate :	-1.3651E-06	cu m/s...	Re # :	54.
Gap #37 ...Flow Rate :	-1.2356E-05	cu m/s...	Re # :	492.
Gap #38 ...Flow Rate :	-1.3350E-05	cu m/s...	Re # :	531.
Gap #39 ...Flow Rate :	-1.3742E-05	cu m/s...	Re # :	547.
Gap #40 ...Flow Rate :	-1.3179E-05	cu m/s...	Re # :	524.
Gap #41 ...Flow Rate :	-1.2480E-05	cu m/s...	Re # :	497.
Gap #42 ...Flow Rate :	-1.3417E-05	cu m/s...	Re # :	534.
Gap #43 ...Flow Rate :	-1.3931E-05	cu m/s...	Re # :	554.
Gap #44 ...Flow Rate :	-1.3550E-05	cu m/s...	Re # :	539.
Gap #45 ...Flow Rate :	-1.3536E-05	cu m/s...	Re # :	539.
Gap #46 ...Flow Rate :	-1.3927E-05	cu m/s...	Re # :	554.
Gap #47 ...Flow Rate :	-1.3962E-05	cu m/s...	Re # :	556.
Gap #48 ...Flow Rate :	-1.3608E-05	cu m/s...	Re # :	541.

End of calculation.

FLOW RATE, REYNOLD # & NET FLOW BY INTERNAL PRESSURE : TEST2

Test Parameters:

Wind Velocity Of Wind Tunnel is : 10.02 m/s.

Wind Angle is : 10 degree.

Type Of Flow : UNIFORM

Mechanical Ventilation : 0.0000E+00 cu m/s. (0.00 cfm)

All Gaps Are Open.

Total North side infiltration	:	3.2937E-04	cu m/s.
Total North side exfiltration	:	0.0000E+00	cu m/s.
Total East side infiltration	:	1.0407E-05	cu m/s.
Total East side exfiltration	:	-1.8543E-04	cu m/s.
Total South side infiltration	:	6.8560E-06	cu m/s.
Total South side exfiltration	:	-5.8269E-05	cu m/s.
Total West side infiltration	:	0.0000E+00	cu m/s.
Total West side exfiltration	:	-1.2243E-04	cu m/s.

Net Flow Rate (Less Ventilation) : -2.0495E-05 cu m/s.

Gap # 1 ...Flow Rate :	2.7256E-05	cu m/s...	Re # :	1084.
Gap # 2 ...Flow Rate :	2.7440E-05	cu m/s...	Re # :	1092.
Gap # 3 ...Flow Rate :	2.7003E-05	cu m/s...	Re # :	1074.
Gap # 4 ...Flow Rate :	2.6371E-05	cu m/s...	Re # :	1049.
Gap # 5 ...Flow Rate :	2.8373E-05	cu m/s...	Re # :	1129.
Gap # 6 ...Flow Rate :	2.8525E-05	cu m/s...	Re # :	1135.
Gap # 7 ...Flow Rate :	2.7646E-05	cu m/s...	Re # :	1100.
Gap # 8 ...Flow Rate :	2.6581E-05	cu m/s...	Re # :	1058.
Gap # 9 ...Flow Rate :	2.8707E-05	cu m/s...	Re # :	1142.
Gap # 10 ...Flow Rate :	2.8367E-05	cu m/s...	Re # :	1129.
Gap # 11 ...Flow Rate :	2.6729E-05	cu m/s...	Re # :	1064.
Gap # 12 ...Flow Rate :	2.5377E-05	cu m/s...	Re # :	1010.
Gap # 13 ...Flow Rate :	-1.2932E-05	cu m/s...	Re # :	515.
Gap # 14 ...Flow Rate :	-1.5557E-05	cu m/s...	Re # :	619.
Gap # 15 ...Flow Rate :	-1.7875E-05	cu m/s...	Re # :	711.
Gap # 16 ...Flow Rate :	-1.7989E-05	cu m/s...	Re # :	712.
Gap # 17 ...Flow Rate :	-1.4799E-05	cu m/s...	Re # :	589.
Gap # 18 ...Flow Rate :	-1.7188E-05	cu m/s...	Re # :	684.
Gap # 19 ...Flow Rate :	-1.9063E-05	cu m/s...	Re # :	758.
Gap # 20 ...Flow Rate :	-1.9795E-05	cu m/s...	Re # :	748.
Gap # 21 ...Flow Rate :	1.0407E-05	cu m/s...	Re # :	414.
Gap # 22 ...Flow Rate :	-7.9443E-06	cu m/s...	Re # :	316.
Gap # 23 ...Flow Rate :	-2.0324E-05	cu m/s...	Re # :	809.
Gap # 24 ...Flow Rate :	-2.3070E-05	cu m/s...	Re # :	318.
Gap # 25 ...Flow Rate :	-9.7958E-06	cu m/s...	Re # :	390.
Gap # 26 ...Flow Rate :	-9.2295E-06	cu m/s...	Re # :	367.
Gap # 27 ...Flow Rate :	-8.0000E-06	cu m/s...	Re # :	318.
Gap # 28 ...Flow Rate :	-7.3256E-06	cu m/s...	Re # :	291.
Gap # 29 ...Flow Rate :	-5.6900E-06	cu m/s...	Re # :	226.
Gap # 30 ...Flow Rate :	-6.0693E-06	cu m/s...	Re # :	241.
Gap # 31 ...Flow Rate :	-6.1997E-06	cu m/s...	Re # :	247.
Gap # 32 ...Flow Rate :	-5.9596E-06	cu m/s...	Re # :	237.
Gap # 33 ...Flow Rate :	7.7328E-07	cu m/s...	Re # :	31.
Gap # 34 ...Flow Rate :	1.5344E-06	cu m/s...	Re # :	61.
Gap # 35 ...Flow Rate :	2.2473E-06	cu m/s...	Re # :	89.
Gap # 36 ...Flow Rate :	2.3010E-06	cu m/s...	Re # :	92.
Gap # 37 ...Flow Rate :	-1.0129E-05	cu m/s...	Re # :	405.
Gap # 38 ...Flow Rate :	-1.0401E-05	cu m/s...	Re # :	414.
Gap # 39 ...Flow Rate :	-1.1042E-05	cu m/s...	Re # :	439.
Gap # 40 ...Flow Rate :	-1.1462E-05	cu m/s...	Re # :	456.
Gap # 41 ...Flow Rate :	-8.8719E-06	cu m/s...	Re # :	353.
Gap # 42 ...Flow Rate :	-9.3678E-06	cu m/s...	Re # :	373.
Gap # 43 ...Flow Rate :	-1.0357E-05	cu m/s...	Re # :	412.
Gap # 44 ...Flow Rate :	-1.0850E-05	cu m/s...	Re # :	432.
Gap # 45 ...Flow Rate :	-9.3903E-06	cu m/s...	Re # :	374.
Gap # 46 ...Flow Rate :	-9.7337E-06	cu m/s...	Re # :	387.
Gap # 47 ...Flow Rate :	-1.0230E-05	cu m/s...	Re # :	409.
Gap # 48 ...Flow Rate :	-1.0480E-05	cu m/s...	Re # :	417.

End of calculation.

FLOW RATE, REYNOLD # & NET FLOW BY INTERNAL PRESSURE : TEST3

Test Parameters:

Wind Velocity Of Wind Tunnel is : 10.02 m/s.

Wind Angle is : 20 degree.

Type Of Flow : UNIFORM

Mechanical Ventilation : 0.0000E+00 cu m/s. (0.00 cfh)

All Gaps Are Open.

Total North side infiltration : 2.9947E-04 cu m/s.
 Total North side exfiltration : 0.0000E+00 cu m/s.
 Total East side infiltration : 6.0760E-05 cu m/s.
 Total East side exfiltration : -5.5829E-05 cu m/s.
 Total South side infiltration : 0.0000E+00 cu m/s.
 Total South side exfiltration : -1.2350E-04 cu m/s.
 Total West side infiltration : 0.0000E+00 cu m/s.
 Total West side exfiltration : -1.6849E-04 cu m/s.

Net Flow Rate (Less Ventilation) : 1.2410E-05 cu m/s.

Gap # 1 ...	Flow Rate :	2.6186E-05	cu m/s...	Re # :	1042.
Gap # 2 ...	Flow Rate :	2.5941E-05	cu m/s...	Re # :	1032.
Gap # 3 ...	Flow Rate :	2.4166E-05	cu m/s...	Re # :	962.
Gap # 4 ...	Flow Rate :	2.2543E-05	cu m/s...	Re # :	897.
Gap # 5 ...	Flow Rate :	2.7425E-05	cu m/s...	Re # :	1091.
Gap # 6 ...	Flow Rate :	2.6722E-05	cu m/s...	Re # :	1063.
Gap # 7 ...	Flow Rate :	2.4670E-05	cu m/s...	Re # :	382.
Gap # 8 ...	Flow Rate :	2.3273E-05	cu m/s...	Re # :	926.
Gap # 9 ...	Flow Rate :	2.6508E-05	cu m/s...	Re # :	1055.
Gap #10 ...	Flow Rate :	2.5809E-05	cu m/s...	Re # :	1027.
Gap #11 ...	Flow Rate :	2.3792E-05	cu m/s...	Re # :	947.
Gap #12 ...	Flow Rate :	2.2426E-05	cu m/s...	Re # :	892.
Gap #13 ...	Flow Rate :	7.9148E-06	cu m/s...	Re # :	315.
Gap #14 ...	Flow Rate :	-1.1970E-06	cu m/s...	Re # :	48.
Gap #15 ...	Flow Rate :	-1.2160E-05	cu m/s...	Re # :	484.
Gap #16 ...	Flow Rate :	-1.4959E-05	cu m/s...	Re # :	595.
Gap #17 ...	Flow Rate :	9.3045E-06	cu m/s...	Re # :	370.
Gap #18 ...	Flow Rate :	1.1020E-05	cu m/s...	Re # :	438.
Gap #19 ...	Flow Rate :	-8.3664E-06	cu m/s...	Re # :	353.
Gap #20 ...	Flow Rate :	-1.9146E-05	cu m/s...	Re # :	762.
Gap #21 ...	Flow Rate :	1.0060E-05	cu m/s...	Re # :	430.
Gap #22 ...	Flow Rate :	1.1790E-05	cu m/s...	Re # :	469.
Gap #23 ...	Flow Rate :	8.9741E-06	cu m/s...	Re # :	357.
Gap #24 ...	Flow Rate :	1.6964E-06	cu m/s...	Re # :	67.
Gap #25 ...	Flow Rate :	-1.3361E-05	cu m/s...	Re # :	532.
Gap #26 ...	Flow Rate :	-1.2420E-05	cu m/s...	Re # :	494.
Gap #27 ...	Flow Rate :	-1.1276E-05	cu m/s...	Re # :	449.
Gap #28 ...	Flow Rate :	-1.1132E-05	cu m/s...	Re # :	443.
Gap #29 ...	Flow Rate :	-1.1726E-05	cu m/s...	Re # :	467.
Gap #30 ...	Flow Rate :	-1.1377E-05	cu m/s...	Re # :	453.
Gap #31 ...	Flow Rate :	-1.0985E-05	cu m/s...	Re # :	437.
Gap #32 ...	Flow Rate :	-1.0949E-05	cu m/s...	Re # :	436.
Gap #33 ...	Flow Rate :	-7.5875E-06	cu m/s...	Re # :	302.
Gap #34 ...	Flow Rate :	-7.4575E-06	cu m/s...	Re # :	297.
Gap #35 ...	Flow Rate :	-7.5180E-06	cu m/s...	Re # :	299.
Gap #36 ...	Flow Rate :	-7.7068E-06	cu m/s...	Re # :	307.
Gap #37 ...	Flow Rate :	-1.4046E-05	cu m/s...	Re # :	359.
Gap #38 ...	Flow Rate :	-1.4219E-05	cu m/s...	Re # :	566.
Gap #39 ...	Flow Rate :	-1.4609E-05	cu m/s...	Re # :	581.
Gap #40 ...	Flow Rate :	-1.4825E-05	cu m/s...	Re # :	590.
Gap #41 ...	Flow Rate :	-1.3196E-05	cu m/s...	Re # :	525.
Gap #42 ...	Flow Rate :	-1.3625E-05	cu m/s...	Re # :	542.
Gap #43 ...	Flow Rate :	-1.4782E-05	cu m/s...	Re # :	529.
Gap #44 ...	Flow Rate :	-1.5491E-05	cu m/s...	Re # :	616.
Gap #45 ...	Flow Rate :	-1.2089E-05	cu m/s...	Re # :	481.
Gap #46 ...	Flow Rate :	-1.2431E-05	cu m/s...	Re # :	495.
Gap #47 ...	Flow Rate :	-1.4010E-05	cu m/s...	Re # :	557.
Gap #48 ...	Flow Rate :	-1.5170E-05	cu m/s...	Re # :	604.

End of calculation.

FLOW RATE, REYNOLD # & NET FLOW BY INTERNAL PRESSURE : TEST4

Test Parameters:

Wind Velocity Of Wind Tunnel Is : 10.02 m/s.

Wind Angle Is : 30 degree.

Type Of Flow : UNIFORM

Mechanical Ventilation : 0.0000E+00 cu m/s. (0.00 cfm)

All Gaps Are Open.

Total North side infiltration	:	2.6333E-04	cu m/s.
Total North side exfiltration	:	0.0000E+00	cu m/s.
Total East side infiltration	:	1.4547E-04	cu m/s.
Total East side exfiltration	:	0.0000E+00	cu m/s.
Total South side infiltration	:	0.0000E+00	cu m/s.
Total South side exfiltration	:	-1.7208E-04	cu m/s.
Total West side infiltration	:	0.0000E+00	cu m/s.
Total West side exfiltration	:	-1.9631E-04	cu m/s.

Net Flow Rate (Less Ventilation) : 4.0413E-05 cu m/s.

Gap # 1 ... Flow Rate :	2.4197E-05	cu m/s...	Re # :	963.
Gap # 2 ... Flow Rate :	2.3277E-05	cu m/s...	Re # :	926.
Gap # 3 ... Flow Rate :	2.0224E-05	cu m/s...	Re # :	805.
Gap # 4 ... Flow Rate :	1.7920E-05	cu m/s...	Re # :	713.
Gap # 5 ... Flow Rate :	2.4894E-05	cu m/s...	Re # :	990.
Gap # 6 ... Flow Rate :	2.4136E-05	cu m/s...	Re # :	960.
Gap # 7 ... Flow Rate :	2.1447E-05	cu m/s...	Re # :	853.
Gap # 8 ... Flow Rate :	1.9376E-05	cu m/s...	Re # :	771.
Gap # 9 ... Flow Rate :	2.4549E-05	cu m/s...	Re # :	977.
Gap # 10 ... Flow Rate :	2.3519E-05	cu m/s...	Re # :	936.
Gap # 11 ... Flow Rate :	2.0789E-05	cu m/s...	Re # :	827.
Gap # 12 ... Flow Rate :	1.9007E-05	cu m/s...	Re # :	756.
Gap # 13 ... Flow Rate :	6.5011E-06	cu m/s...	Re # :	259.
Gap # 14 ... Flow Rate :	9.1757E-06	cu m/s...	Re # :	365.
Gap # 15 ... Flow Rate :	1.0342E-05	cu m/s...	Re # :	411.
Gap # 16 ... Flow Rate :	9.2251E-06	cu m/s...	Re # :	367.
Gap # 17 ... Flow Rate :	9.1730E-06	cu m/s...	Re # :	365.
Gap # 18 ... Flow Rate :	1.1061E-05	cu m/s...	Re # :	440.
Gap # 19 ... Flow Rate :	1.4924E-05	cu m/s...	Re # :	594.
Gap # 20 ... Flow Rate :	1.6883E-05	cu m/s...	Re # :	672.
Gap # 21 ... Flow Rate :	1.1158E-05	cu m/s...	Re # :	444.
Gap # 22 ... Flow Rate :	1.3358E-05	cu m/s...	Re # :	532.
Gap # 23 ... Flow Rate :	1.6341E-05	cu m/s...	Re # :	650.
Gap # 24 ... Flow Rate :	1.7328E-05	cu m/s...	Re # :	689.
Gap # 25 ... Flow Rate :	-1.6295E-05	cu m/s...	Re # :	648.
Gap # 26 ... Flow Rate :	-1.5841E-05	cu m/s...	Re # :	630.
Gap # 27 ... Flow Rate :	-1.5253E-05	cu m/s...	Re # :	607.
Gap # 28 ... Flow Rate :	-1.5119E-05	cu m/s...	Re # :	602.
Gap # 29 ... Flow Rate :	-1.5501E-05	cu m/s...	Re # :	617.
Gap # 30 ... Flow Rate :	-1.5277E-05	cu m/s...	Re # :	608.
Gap # 31 ... Flow Rate :	-1.4908E-05	cu m/s...	Re # :	593.
Gap # 32 ... Flow Rate :	-1.4766E-05	cu m/s...	Re # :	588.
Gap # 33 ... Flow Rate :	-1.2357E-05	cu m/s...	Re # :	492.
Gap # 34 ... Flow Rate :	-1.2482E-05	cu m/s...	Re # :	497.
Gap # 35 ... Flow Rate :	-1.2302E-05	cu m/s...	Re # :	489.
Gap # 36 ... Flow Rate :	-1.1991E-05	cu m/s...	Re # :	477.
Gap # 37 ... Flow Rate :	-1.6897E-05	cu m/s...	Re # :	672.
Gap # 38 ... Flow Rate :	-1.7127E-05	cu m/s...	Re # :	681.
Gap # 39 ... Flow Rate :	-1.7604E-05	cu m/s...	Re # :	700.
Gap # 40 ... Flow Rate :	-1.7951E-05	cu m/s...	Re # :	710.
Gap # 41 ... Flow Rate :	-1.5818E-05	cu m/s...	Re # :	629.
Gap # 42 ... Flow Rate :	-1.6145E-05	cu m/s...	Re # :	642.
Gap # 43 ... Flow Rate :	-1.7225E-05	cu m/s...	Re # :	685.
Gap # 44 ... Flow Rate :	-1.7957E-05	cu m/s...	Re # :	714.
Gap # 45 ... Flow Rate :	-1.3901E-05	cu m/s...	Re # :	553.
Gap # 46 ... Flow Rate :	-1.4311E-05	cu m/s...	Re # :	569.
Gap # 47 ... Flow Rate :	-1.5403E-05	cu m/s...	Re # :	613.
Gap # 48 ... Flow Rate :	-1.6069E-05	cu m/s...	Re # :	639.

End of calculation.

FLOW RATE, REYNOLD # & NET FLOW BY INTERNAL PRESSURE : TESTS

Test Parameters:

Wind Velocity Of Wind Tunnel is : 10.01 m/s.

Wind Angle is : 40 degree.

Type Of Flow : UNIFORM

Mechanical Ventilation : 0.0000E+00 cu m/s. (0.00 cfm)

All Gaps Are Open.

Total North side infiltration	:	2.2744E-04	cu m/s.
Total North side exfiltration	:	0.0000E+00	cu m/s.
Total East side infiltration	:	1.9690E-04	cu m/s.
Total East side exfiltration	:	0.0000E+00	cu m/s.
Total South side infiltration	:	0.0000E+00	cu m/s.
Total South side exfiltration	:	-1.9195E-04	cu m/s.
Total West side infiltration	:	0.0000E+00	cu m/s.
Total West side exfiltration	:	-2.0264E-04	cu m/s.

Net Flow Rate (Less Ventilation) : 2.9750E-05 cu m/s.

Gap # 1 ...Flow Rate :	2.2063E-05	cu m/s...	Re # :	878.
Gap # 2 ...Flow Rate :	2.0703E-05	cu m/s...	Re # :	324.
Gap # 3 ...Flow Rate :	1.6627E-05	cu m/s...	Re # :	662.
Gap # 4 ...Flow Rate :	1.3592E-05	cu m/s...	Re # :	541.
Gap # 5 ...Flow Rate :	2.2631E-05	cu m/s...	Re # :	900.
Gap # 6 ...Flow Rate :	2.1558E-05	cu m/s...	Re # :	858.
Gap # 7 ...Flow Rate :	1.8216E-05	cu m/s...	Re # :	725.
Gap # 8 ...Flow Rate :	1.5740E-05	cu m/s...	Re # :	626.
Gap # 9 ...Flow Rate :	2.1827E-05	cu m/s...	Re # :	368.
Gap #10 ...Flow Rate :	2.0789E-05	cu m/s...	Re # :	827.
Gap #11 ...Flow Rate :	1.7860E-05	cu m/s...	Re # :	711.
Gap #12 ...Flow Rate :	1.5839E-05	cu m/s...	Re # :	630.
Gap #13 ...Flow Rate :	1.0431E-05	cu m/s...	Re # :	415.
Gap #14 ...Flow Rate :	1.2581E-05	cu m/s...	Re # :	501.
Gap #15 ...Flow Rate :	1.6121E-05	cu m/s...	Re # :	641.
Gap #16 ...Flow Rate :	1.7638E-05	cu m/s...	Re # :	702.
Gap #17 ...Flow Rate :	1.3169E-05	cu m/s...	Re # :	524.
Gap #18 ...Flow Rate :	1.5017E-05	cu m/s...	Re # :	597.
Gap #19 ...Flow Rate :	1.8443E-05	cu m/s...	Re # :	734.
Gap #20 ...Flow Rate :	2.0061E-05	cu m/s...	Re # :	799.
Gap #21 ...Flow Rate :	1.4396E-05	cu m/s...	Re # :	593.
Gap #22 ...Flow Rate :	1.7041E-05	cu m/s...	Re # :	678.
Gap #23 ...Flow Rate :	2.0182E-05	cu m/s...	Re # :	803.
Gap #24 ...Flow Rate :	2.1323E-05	cu m/s...	Re # :	848.
Gap #25 ...Flow Rate :	-1.7892E-05	cu m/s...	Re # :	712.
Gap #26 ...Flow Rate :	-1.7399E-05	cu m/s...	Re # :	692.
Gap #27 ...Flow Rate :	-1.6577E-05	cu m/s...	Re # :	660.
Gap #28 ...Flow Rate :	-1.6256E-05	cu m/s...	Re # :	647.
Gap #29 ...Flow Rate :	-1.7361E-05	cu m/s...	Re # :	691.
Gap #30 ...Flow Rate :	-1.7032E-05	cu m/s...	Re # :	678.
Gap #31 ...Flow Rate :	-1.6425E-05	cu m/s...	Re # :	654.
Gap #32 ...Flow Rate :	-1.6149E-05	cu m/s...	Re # :	643.
Gap #33 ...Flow Rate :	-1.4440E-05	cu m/s...	Re # :	575.
Gap #34 ...Flow Rate :	-1.4556E-05	cu m/s...	Re # :	579.
Gap #35 ...Flow Rate :	-1.4184E-05	cu m/s...	Re # :	564.
Gap #36 ...Flow Rate :	-1.3683E-05	cu m/s...	Re # :	544.
Gap #37 ...Flow Rate :	-1.7444E-05	cu m/s...	Re # :	694.
Gap #38 ...Flow Rate :	-1.7746E-05	cu m/s...	Re # :	706.
Gap #39 ...Flow Rate :	-1.8372E-05	cu m/s...	Re # :	731.
Gap #40 ...Flow Rate :	-1.8697E-05	cu m/s...	Re # :	744.
Gap #41 ...Flow Rate :	-1.6657E-05	cu m/s...	Re # :	663.
Gap #42 ...Flow Rate :	-1.6981E-05	cu m/s...	Re # :	676.
Gap #43 ...Flow Rate :	-1.7904E-05	cu m/s...	Re # :	712.
Gap #44 ...Flow Rate :	-1.8492E-05	cu m/s...	Re # :	736.
Gap #45 ...Flow Rate :	-1.4109E-05	cu m/s...	Re # :	561.
Gap #46 ...Flow Rate :	-1.4725E-05	cu m/s...	Re # :	586.
Gap #47 ...Flow Rate :	-1.5614E-05	cu m/s...	Re # :	621.
Gap #48 ...Flow Rate :	-1.5903E-05	cu m/s...	Re # :	633.

End of calculation.

FLOW RATE, REYNOLD # & NET FLOW BY INTERNAL PRESSURE : TEST6

Test Parameters:

Wind Velocity Of Wind Tunnel is : 10.00 m/s.

Wind Angle is : 50 degree.

Type Of Flow : UNIFORM

Mechanical Ventilation : 0.0000E+00 cu m/s. (0.00 cfm)

All Gaps Are Open.

Total North side infiltration	:	1.3341E-04	cu m/s.
Total North side exfiltration	:	0.0000E+00	cu m/s.
Total East side infiltration	:	2.3775E-04	cu m/s.
Total East side exfiltration	:	0.0000E+00	cu m/s.
Total South side infiltration	:	0.0000E+00	cu m/s.
Total South side exfiltration	:	-2.0063E-04	cu m/s.
Total West side infiltration	:	0.0000E+00	cu m/s.
Total West side exfiltration	:	-1.9484E-04	cu m/s.

Net Flow Rate (Less Ventilation) : 2.5694E-05 cu m/s.

Gap # 1 ... Flow Rate :	1.8182E-05	cu m/s...	Re # :	723.
Gap # 2 ... Flow Rate :	1.7059E-05	cu m/s...	Re # :	679.
Gap # 3 ... Flow Rate :	1.2706E-05	cu m/s...	Re # :	506.
Gap # 4 ... Flow Rate :	8.7426E-06	cu m/s...	Re # :	348.
Gap # 5 ... Flow Rate :	1.9172E-05	cu m/s...	Re # :	763.
Gap # 6 ... Flow Rate :	1.8231E-05	cu m/s...	Re # :	725.
Gap # 7 ... Flow Rate :	1.4534E-05	cu m/s...	Re # :	581.
Gap # 8 ... Flow Rate :	1.1475E-05	cu m/s...	Re # :	457.
Gap # 9 ... Flow Rate :	1.8548E-05	cu m/s...	Re # :	738.
Gap #10 ... Flow Rate :	1.7519E-05	cu m/s...	Re # :	697.
Gap #11 ... Flow Rate :	1.4610E-05	cu m/s...	Re # :	581.
Gap #12 ... Flow Rate :	1.2575E-05	cu m/s...	Re # :	500.
Gap #13 ... Flow Rate :	1.3994E-05	cu m/s...	Re # :	557.
Gap #14 ... Flow Rate :	1.6135E-05	cu m/s...	Re # :	642.
Gap #15 ... Flow Rate :	1.9767E-05	cu m/s...	Re # :	786.
Gap #16 ... Flow Rate :	2.1353E-05	cu m/s...	Re # :	850.
Gap #17 ... Flow Rate :	1.6773E-05	cu m/s...	Re # :	667.
Gap #18 ... Flow Rate :	1.8601E-05	cu m/s...	Re # :	740.
Gap #19 ... Flow Rate :	2.1812E-05	cu m/s...	Re # :	868.
Gap #20 ... Flow Rate :	2.3248E-05	cu m/s...	Re # :	925.
Gap #21 ... Flow Rate :	1.8362E-05	cu m/s...	Re # :	731.
Gap #22 ... Flow Rate :	2.0225E-05	cu m/s...	Re # :	805.
Gap #23 ... Flow Rate :	2.3161E-05	cu m/s...	Re # :	922.
Gap #24 ... Flow Rate :	2.4318E-05	cu m/s...	Re # :	968.
Gap #25 ... Flow Rate :	-1.8354E-05	cu m/s...	Re # :	730.
Gap #26 ... Flow Rate :	-1.7397E-05	cu m/s...	Re # :	716.
Gap #27 ... Flow Rate :	-1.7362E-05	cu m/s...	Re # :	691.
Gap #28 ... Flow Rate :	-1.7086E-05	cu m/s...	Re # :	680.
Gap #29 ... Flow Rate :	-1.8313E-05	cu m/s...	Re # :	729.
Gap #30 ... Flow Rate :	-1.7631E-05	cu m/s...	Re # :	709.
Gap #31 ... Flow Rate :	-1.6992E-05	cu m/s...	Re # :	676.
Gap #32 ... Flow Rate :	-1.6640E-05	cu m/s...	Re # :	662.
Gap #33 ... Flow Rate :	-1.5692E-05	cu m/s...	Re # :	624.
Gap #34 ... Flow Rate :	-1.5399E-05	cu m/s...	Re # :	613.
Gap #35 ... Flow Rate :	-1.4691E-05	cu m/s...	Re # :	585.
Gap #36 ... Flow Rate :	-1.4270E-05	cu m/s...	Re # :	568.
Gap #37 ... Flow Rate :	-1.6585E-05	cu m/s...	Re # :	660.
Gap #38 ... Flow Rate :	-1.6975E-05	cu m/s...	Re # :	675.
Gap #39 ... Flow Rate :	-1.7783E-05	cu m/s...	Re # :	708.
Gap #40 ... Flow Rate :	-1.3199E-05	cu m/s...	Re # :	724.
Gap #41 ... Flow Rate :	-1.6438E-05	cu m/s...	Re # :	654.
Gap #42 ... Flow Rate :	-1.6724E-05	cu m/s...	Re # :	665.
Gap #43 ... Flow Rate :	-1.7204E-05	cu m/s...	Re # :	685.
Gap #44 ... Flow Rate :	-1.7402E-05	cu m/s...	Re # :	692.
Gap #45 ... Flow Rate :	-1.3651E-05	cu m/s...	Re # :	543.
Gap #46 ... Flow Rate :	-1.4186E-05	cu m/s...	Re # :	564.
Gap #47 ... Flow Rate :	-1.4800E-05	cu m/s...	Re # :	589.
Gap #48 ... Flow Rate :	-1.4894E-05	cu m/s...	Re # :	593.

End of calculation.

FLOW RATE, REYNOLD # & NET FLOW BY INTERNAL PRESSURE : TEST7

Test Parameters:

Wind Velocity Of Wind Tunnel is : 10.05 m/s.

Wind Angle is : 60 degree.

Type Of Flow : UNIFORM.

Mechanical Ventilation : 0.0000E+00 cu m/s. (0.00 cfm)

All Gaps Are Open.

Total North side infiltration	:	1.2180E-04	cu m/s.
Total North side exfiltration	:	0.0000E+00	cu m/s.
Total East side infiltration	:	2.8259E-04	cu m/s.
Total East side exfiltration	:	0.0000E+00	cu m/s.
Total South side infiltration	:	0.0000E+00	cu m/s.
Total South side exfiltration	:	-1.9745E-04	cu m/s.
Total West side infiltration	:	0.0000E+00	cu m/s.
Total West side exfiltration	:	-1.8041E-04	cu m/s.

Net Flow Rate (Less Ventilation) : 2.6527E-05 cu m/s.

Gap # 1 ... Flow Rate :	1.4588E-05	cu m/s...	Re # :	580.
Gap # 2 ... Flow Rate :	1.3271E-05	cu m/s...	Re # :	528.
Gap # 3 ... Flow Rate :	7.8123E-06	cu m/s...	Re # :	311.
Gap # 4 ... Flow Rate :	9.9335E-07	cu m/s...	Re # :	39.
Gap # 5 ... Flow Rate :	1.4817E-05	cu m/s...	Re # :	590.
Gap # 6 ... Flow Rate :	1.4358E-05	cu m/s...	Re # :	571.
Gap # 7 ... Flow Rate :	1.0653E-05	cu m/s...	Re # :	424.
Gap # 8 ... Flow Rate :	6.4047E-06	cu m/s...	Re # :	255.
Gap # 9 ... Flow Rate :	7.1107E-06	cu m/s...	Re # :	283.
Gap # 10 ... Flow Rate :	1.0846E-05	cu m/s...	Re # :	432.
Gap # 11 ... Flow Rate :	1.1694E-05	cu m/s...	Re # :	465.
Gap # 12 ... Flow Rate :	9.2583E-06	cu m/s...	Re # :	368.
Gap # 13 ... Flow Rate :	1.9164E-05	cu m/s...	Re # :	763.
Gap # 14 ... Flow Rate :	2.0837E-05	cu m/s...	Re # :	829.
Gap # 15 ... Flow Rate :	2.3653E-05	cu m/s...	Re # :	941.
Gap # 16 ... Flow Rate :	2.4848E-05	cu m/s...	Re # :	989.
Gap # 17 ... Flow Rate :	2.1139E-05	cu m/s...	Re # :	841.
Gap # 18 ... Flow Rate :	2.2706E-05	cu m/s...	Re # :	903.
Gap # 19 ... Flow Rate :	2.5292E-05	cu m/s...	Re # :	1006.
Gap # 20 ... Flow Rate :	2.6359E-05	cu m/s...	Re # :	1049.
Gap # 21 ... Flow Rate :	2.2165E-05	cu m/s...	Re # :	882.
Gap # 22 ... Flow Rate :	2.3725E-05	cu m/s...	Re # :	944.
Gap # 23 ... Flow Rate :	2.5975E-05	cu m/s...	Re # :	1033.
Gap # 24 ... Flow Rate :	2.6730E-05	cu m/s...	Re # :	1064.
Gap # 25 ... Flow Rate :	-1.9054E-05	cu m/s...	Re # :	718.
Gap # 26 ... Flow Rate :	-1.7726E-05	cu m/s...	Re # :	705.
Gap # 27 ... Flow Rate :	-1.7277E-05	cu m/s...	Re # :	687.
Gap # 28 ... Flow Rate :	-1.7161E-05	cu m/s...	Re # :	683.
Gap # 29 ... Flow Rate :	-1.7863E-05	cu m/s...	Re # :	711.
Gap # 30 ... Flow Rate :	-1.7290E-05	cu m/s...	Re # :	683.
Gap # 31 ... Flow Rate :	-1.6460E-05	cu m/s...	Re # :	655.
Gap # 32 ... Flow Rate :	-1.6217E-05	cu m/s...	Re # :	645.
Gap # 33 ... Flow Rate :	-1.5813E-05	cu m/s...	Re # :	629.
Gap # 34 ... Flow Rate :	-1.5376E-05	cu m/s...	Re # :	612.
Gap # 35 ... Flow Rate :	-1.4387E-05	cu m/s...	Re # :	572.
Gap # 36 ... Flow Rate :	-1.3829E-05	cu m/s...	Re # :	550.
Gap # 37 ... Flow Rate :	-1.5657E-05	cu m/s...	Re # :	623.
Gap # 38 ... Flow Rate :	-1.5344E-05	cu m/s...	Re # :	634.
Gap # 39 ... Flow Rate :	-1.6805E-05	cu m/s...	Re # :	669.
Gap # 40 ... Flow Rate :	-1.7366E-05	cu m/s...	Re # :	691.
Gap # 41 ... Flow Rate :	-1.5359E-05	cu m/s...	Re # :	611.
Gap # 42 ... Flow Rate :	-1.5539E-05	cu m/s...	Re # :	618.
Gap # 43 ... Flow Rate :	-1.6011E-05	cu m/s...	Re # :	637.
Gap # 44 ... Flow Rate :	-1.6300E-05	cu m/s...	Re # :	649.
Gap # 45 ... Flow Rate :	-1.2617E-05	cu m/s...	Re # :	502.
Gap # 46 ... Flow Rate :	-1.2854E-05	cu m/s...	Re # :	511.
Gap # 47 ... Flow Rate :	-1.3014E-05	cu m/s...	Re # :	513.
Gap # 48 ... Flow Rate :	-1.2941E-05	cu m/s...	Re # :	515.

End of calculation.

FLOW RATE, REYNOLD # & NET FLOW BY INTERNAL PRESSURE : TEST8

Test Parameters:

Wind Velocity Of Wind Tunnel Is : 10.03 m/s.

Wind Angle is : 70 degree.

Type Of Flow : UNIFORM

Mechanical Ventilation : 0.0000E+00 cu.m/s. (0.00 cfm)

All Gaps Are Open.

Total North side infiltration	:	2.5890E-05	cu m/s.
Total North side exfiltration	:	-9.0480E-05	cu m/s.
Total East side infiltration	:	2.9752E-04	cu m/s.
Total East side exfiltration	:	0.0000E+00	cu m/s.
Total South side infiltration	:	0.0000E+00	cu m/s.
Total South side exfiltration	:	-1.4992E-04	cu m/s.
Total West side infiltration	:	0.0000E+00	cu m/s.
Total West side exfiltration	:	-1.1930E-04	cu m/s.

Net Flow Rate (Less Ventilation) : -2.5191E-05 cu m/s.

Gap # 1 ... Flow Rate	:	-1.6210E-05	cu m/s...	Re #	:	645.
Gap # 2 ... Flow Rate	:	-7.3007E-06	cu m/s...	Re #	:	290.
Gap # 3 ... Flow Rate	:	6.9095E-06	cu m/s...	Re #	:	275.
Gap # 4 ... Flow Rate	:	2.4322E-06	cu m/s...	Re #	:	97.
Gap # 5 ... Flow Rate	:	-1.5053E-05	cu m/s...	Re #	:	599.
Gap # 6 ... Flow Rate	:	-1.0979E-05	cu m/s...	Re #	:	437.
Gap # 7 ... Flow Rate	:	2.0026E-06	cu m/s...	Re #	:	80.
Gap # 8 ... Flow Rate	:	7.0091E-06	cu m/s...	Re #	:	279.
Gap # 9 ... Flow Rate	:	-1.4053E-05	cu m/s...	Re #	:	559.
Gap #10 ... Flow Rate	:	-1.2677E-05	cu m/s...	Re #	:	504.
Gap #11 ... Flow Rate	:	-4.2081E-06	cu m/s...	Re #	:	167.
Gap #12 ... Flow Rate	:	7.5378E-06	cu m/s...	Re #	:	300.
Gap #13 ... Flow Rate	:	2.1865E-05	cu m/s...	Re #	:	870.
Gap #14 ... Flow Rate	:	2.3021E-05	cu m/s...	Re #	:	916.
Gap #15 ... Flow Rate	:	2.4651E-05	cu m/s...	Re #	:	981.
Gap #16 ... Flow Rate	:	2.5164E-05	cu m/s...	Re #	:	1001.
Gap #17 ... Flow Rate	:	2.3468E-05	cu m/s...	Re #	:	934.
Gap #18 ... Flow Rate	:	2.4521E-05	cu m/s...	Re #	:	976.
Gap #19 ... Flow Rate	:	2.5935E-05	cu m/s...	Re #	:	1032.
Gap #20 ... Flow Rate	:	2.6329E-05	cu m/s...	Re #	:	1048.
Gap #21 ... Flow Rate	:	2.4369E-05	cu m/s...	Re #	:	970.
Gap #22 ... Flow Rate	:	2.5269E-05	cu m/s...	Re #	:	1005.
Gap #23 ... Flow Rate	:	2.6356E-05	cu m/s...	Re #	:	1049.
Gap #24 ... Flow Rate	:	2.6569E-05	cu m/s...	Re #	:	1057.
Gap #25 ... Flow Rate	:	-1.3912E-05	cu m/s...	Re #	:	554.
Gap #26 ... Flow Rate	:	-1.3713E-05	cu m/s...	Re #	:	546.
Gap #27 ... Flow Rate	:	-1.3324E-05	cu m/s...	Re #	:	530.
Gap #28 ... Flow Rate	:	-1.3134E-05	cu m/s...	Re #	:	523.
Gap #29 ... Flow Rate	:	-1.3975E-05	cu m/s...	Re #	:	556.
Gap #30 ... Flow Rate	:	-1.3364E-05	cu m/s...	Re #	:	532.
Gap #31 ... Flow Rate	:	-1.2100E-05	cu m/s...	Re #	:	481.
Gap #32 ... Flow Rate	:	-1.1443E-05	cu m/s...	Re #	:	455.
Gap #33 ... Flow Rate	:	-1.2180E-05	cu m/s...	Re #	:	485.
Gap #34 ... Flow Rate	:	-1.1603E-05	cu m/s...	Re #	:	462.
Gap #35 ... Flow Rate	:	-1.0369E-05	cu m/s...	Re #	:	413.
Gap #36 ... Flow Rate	:	-3.7038E-06	cu m/s...	Re #	:	386.
Gap #37 ... Flow Rate	:	-1.0842E-05	cu m/s...	Re #	:	431.
Gap #38 ... Flow Rate	:	-1.1319E-05	cu m/s...	Re #	:	450.
Gap #39 ... Flow Rate	:	-1.2322E-05	cu m/s...	Re #	:	490.
Gap #40 ... Flow Rate	:	-1.2846E-05	cu m/s...	Re #	:	511.
Gap #41 ... Flow Rate	:	-1.0455E-05	cu m/s...	Re #	:	416.
Gap #42 ... Flow Rate	:	-1.0609E-05	cu m/s...	Re #	:	422.
Gap #43 ... Flow Rate	:	-1.0941E-05	cu m/s...	Re #	:	435.
Gap #44 ... Flow Rate	:	-1.1119E-05	cu m/s...	Re #	:	442.
Gap #45 ... Flow Rate	:	-7.0945E-06	cu m/s...	Re #	:	232.
Gap #46 ... Flow Rate	:	-7.3103E-06	cu m/s...	Re #	:	291.
Gap #47 ... Flow Rate	:	-7.3211E-06	cu m/s...	Re #	:	291.
Gap #48 ... Flow Rate	:	-7.1166E-06	cu m/s...	Re #	:	283.

End of calculation.

FLOW RATE; REYNOLD # & NET FLOW BY INTERNAL PRESSURE : TEST9

Test Parameters:

* Wind Velocity Of Wind Tunnel is : 10.04 m/s.

Wind Angle is : 80 degree.

Type Of Flow : UNIFORM

Mechanical Ventilation : 0.0000E+00 cu m/s. (0.00 cfh)

All Gaps Are Open.

Total North side infiltration	:	0.0000E+00	cu m/s.
Total North side exfiltration	:	-2.0700E-04	cu m/s.
Total East side infiltration	:	3.4135E-04	cu m/s.
Total East side exfiltration	:	0.0000E+00	cu m/s.
Total South side infiltration	:	0.0000E+00	cu m/s.
Total South side exfiltration	:	-1.1825E-04	cu m/s.
Total West side infiltration	:	4.2973E-06	cu m/s.
Total West side exfiltration	:	-5.9745E-05	cu m/s.

Net Flow Rate (Less Ventilation) : -3.9349E-05 cu m/s.

Gap # 1 ... Flow Rate	:	-2.1862E-05	cu m/s...	Re #	:	870.
Gap # 2 ... Flow Rate	:	-1.9875E-05	cu m/s...	Re #	:	791.
Gap # 3 ... Flow Rate	:	-1.3746E-05	cu m/s...	Re #	:	547.
Gap # 4 ... Flow Rate	:	-8.5465E-06	cu m/s...	Re #	:	340.
Gap # 5 ... Flow Rate	:	-1.8941E-05	cu m/s...	Re #	:	754.
Gap # 6 ... Flow Rate	:	-1.9283E-05	cu m/s...	Re #	:	767.
Gap # 7 ... Flow Rate	:	-1.7835E-05	cu m/s...	Re #	:	710.
Gap # 8 ... Flow Rate	:	-1.5873E-05	cu m/s...	Re #	:	632.
Gap # 9 ... Flow Rate	:	-1.9135E-05	cu m/s...	Re #	:	761.
Gap # 10 ... Flow Rate	:	-1.9658E-05	cu m/s...	Re #	:	782.
Gap # 11 ... Flow Rate	:	-1.7591E-05	cu m/s...	Re #	:	700.
Gap # 12 ... Flow Rate	:	-1.4649E-05	cu m/s...	Re #	:	583.
Gap # 13 ... Flow Rate	:	2.6736E-05	cu m/s...	Re #	:	1064.
Gap # 14 ... Flow Rate	:	2.7372E-05	cu m/s...	Re #	:	1089.
Gap # 15 ... Flow Rate	:	2.7962E-05	cu m/s...	Re #	:	1113.
Gap # 16 ... Flow Rate	:	2.7929E-05	cu m/s...	Re #	:	1111.
Gap # 17 ... Flow Rate	:	2.8390E-05	cu m/s...	Re #	:	1129.
Gap # 18 ... Flow Rate	:	2.9002E-05	cu m/s...	Re #	:	1154.
Gap # 19 ... Flow Rate	:	2.9218E-05	cu m/s...	Re #	:	1163.
Gap # 20 ... Flow Rate	:	2.8820E-05	cu m/s...	Re #	:	1147.
Gap # 21 ... Flow Rate	:	2.8814E-05	cu m/s...	Re #	:	1146.
Gap # 22 ... Flow Rate	:	2.9268E-05	cu m/s...	Re #	:	1165.
Gap # 23 ... Flow Rate	:	2.9192E-05	cu m/s...	Re #	:	1162.
Gap # 24 ... Flow Rate	:	2.8659E-05	cu m/s...	Re #	:	1140.
Gap # 25 ... Flow Rate	:	-1.1163E-05	cu m/s...	Re #	:	444.
Gap # 26 ... Flow Rate	:	-1.1022E-05	cu m/s...	Re #	:	439.
Gap # 27 ... Flow Rate	:	-1.0534E-05	cu m/s...	Re #	:	419.
Gap # 28 ... Flow Rate	:	-1.0181E-05	cu m/s...	Re #	:	405.
Gap # 29 ... Flow Rate	:	-1.0975E-05	cu m/s...	Re #	:	437.
Gap # 30 ... Flow Rate	:	-1.0212E-05	cu m/s...	Re #	:	406.
Gap # 31 ... Flow Rate	:	-8.9845E-06	cu m/s...	Re #	:	357.
Gap # 32 ... Flow Rate	:	-8.5511E-06	cu m/s...	Re #	:	340.
Gap # 33 ... Flow Rate	:	-1.0324E-05	cu m/s...	Re #	:	411.
Gap # 34 ... Flow Rate	:	-9.8709E-06	cu m/s...	Re #	:	393.
Gap # 35 ... Flow Rate	:	-8.6306E-06	cu m/s...	Re #	:	343.
Gap # 36 ... Flow Rate	:	-7.8067E-06	cu m/s...	Re #	:	311.
Gap # 37 ... Flow Rate	:	-8.4636E-06	cu m/s...	Re #	:	337.
Gap # 38 ... Flow Rate	:	-9.6684E-06	cu m/s...	Re #	:	345.
Gap # 39 ... Flow Rate	:	-9.0371E-06	cu m/s...	Re #	:	362.
Gap # 40 ... Flow Rate	:	-9.3007E-06	cu m/s...	Re #	:	370.
Gap # 41 ... Flow Rate	:	-6.0035E-06	cu m/s...	Re #	:	233.
Gap # 42 ... Flow Rate	:	-6.1054E-06	cu m/s...	Re #	:	239.
Gap # 43 ... Flow Rate	:	-5.9364E-06	cu m/s...	Re #	:	236.
Gap # 44 ... Flow Rate	:	-5.8649E-06	cu m/s...	Re #	:	233.
Gap # 45 ... Flow Rate	:	-4.1486E-07	cu m/s...	Re #	:	17.
Gap # 46 ... Flow Rate	:	6.7339E-07	cu m/s...	Re #	:	27.
Gap # 47 ... Flow Rate	:	1.7304E-06	cu m/s...	Re #	:	69.
Gap # 48 ... Flow Rate	:	1.8935E-06	cu m/s...	Re #	:	75.

End of calculation.

FLOW RATE, REYNOLD # & NET FLOW BY INTERNAL PRESSURE : TEST10

Test Parameters:

Wind Velocity Of Wind Tunnel is : 10.05 m/s.

Wind Angle is : 90 degree.

Type Of Flow : UNIFORM

Mechanical Ventilation : 0.0000E+00 cu m/s. (0.00 cfm)

All Gaps Are Open.

Total North side infiltration	:	0.0000E+00	cu m/s.
Total North side exfiltration	:	-1.7497E-04	cu m/s.
Total East side infiltration	:	3.4475E-04	cu m/s.
Total East side exfiltration	:	0.0000E+00	cu m/s.
Total South side infiltration	:	0.0000E+00	cu m/s.
Total South side exfiltration	:	-1.6016E-04	cu m/s.
Total West side infiltration	:	1.3524E-06	cu m/s.
Total West side exfiltration	:	-5.5770E-05	cu m/s.

Net Flow Rate (Less Ventilation) : -4.4803E-05 cu m/s.

Gap # 1 ... Flow Rate :	-1.4211E-05	cu m/s...	Re # :	565.
Gap # 2 ... Flow Rate :	-1.4419E-05	cu m/s...	Re # :	574.
Gap # 3 ... Flow Rate :	-1.4412E-05	cu m/s...	Re # :	573.
Gap # 4 ... Flow Rate :	-1.4197E-05	cu m/s...	Re # :	565.
Gap # 5 ... Flow Rate :	-1.3308E-05	cu m/s...	Re # :	530.
Gap # 6 ... Flow Rate :	-1.4179E-05	cu m/s...	Re # :	564.
Gap # 7 ... Flow Rate :	-1.4986E-05	cu m/s...	Re # :	596.
Gap # 8 ... Flow Rate :	-1.4964E-05	cu m/s...	Re # :	595.
Gap # 9 ... Flow Rate :	-1.4813E-05	cu m/s...	Re # :	539.
Gap #10 ... Flow Rate :	-1.5900E-05	cu m/s...	Re # :	633.
Gap #11 ... Flow Rate :	-1.5540E-05	cu m/s...	Re # :	613.
Gap #12 ... Flow Rate :	-1.4043E-05	cu m/s...	Re # :	558.
Gap #13 ... Flow Rate :	2.7795E-05	cu m/s...	Re # :	1106.
Gap #14 ... Flow Rate :	2.8159E-05	cu m/s...	Re # :	1120.
Gap #15 ... Flow Rate :	2.8309E-05	cu m/s...	Re # :	1126.
Gap #16 ... Flow Rate :	2.8098E-05	cu m/s...	Re # :	1118.
Gap #17 ... Flow Rate :	2.9283E-05	cu m/s...	Re # :	1165.
Gap #18 ... Flow Rate :	2.9607E-05	cu m/s...	Re # :	1178.
Gap #19 ... Flow Rate :	2.9056E-05	cu m/s...	Re # :	1156.
Gap #20 ... Flow Rate :	2.8159E-05	cu m/s...	Re # :	1120.
Gap #21 ... Flow Rate :	2.9682E-05	cu m/s...	Re # :	1191.
Gap #22 ... Flow Rate :	2.9844E-05	cu m/s...	Re # :	1187.
Gap #23 ... Flow Rate :	2.8932E-05	cu m/s...	Re # :	1151.
Gap #24 ... Flow Rate :	2.7821E-05	cu m/s...	Re # :	1107.
Gap #25 ... Flow Rate :	-1.2101E-05	cu m/s...	Re # :	481.
Gap #26 ... Flow Rate :	-1.2487E-05	cu m/s...	Re # :	497.
Gap #27 ... Flow Rate :	-1.2723E-05	cu m/s...	Re # :	506.
Gap #28 ... Flow Rate :	-1.2580E-05	cu m/s...	Re # :	501.
Gap #29 ... Flow Rate :	-1.3637E-05	cu m/s...	Re # :	543.
Gap #30 ... Flow Rate :	-1.3199E-05	cu m/s...	Re # :	525.
Gap #31 ... Flow Rate :	-1.2303E-05	cu m/s...	Re # :	490.
Gap #32 ... Flow Rate :	-1.1844E-05	cu m/s...	Re # :	471.
Gap #33 ... Flow Rate :	-1.3572E-05	cu m/s...	Re # :	540.
Gap #34 ... Flow Rate :	-1.4785E-05	cu m/s...	Re # :	588.
Gap #35 ... Flow Rate :	-1.5618E-05	cu m/s...	Re # :	621.
Gap #36 ... Flow Rate :	-1.5309E-05	cu m/s...	Re # :	609.
Gap #37 ... Flow Rate :	-8.1135E-06	cu m/s...	Re # :	323.
Gap #38 ... Flow Rate :	-8.2539E-06	cu m/s...	Re # :	328.
Gap #39 ... Flow Rate :	-3.6460E-06	cu m/s...	Re # :	344.
Gap #40 ... Flow Rate :	-3.8941E-06	cu m/s...	Re # :	354.
Gap #41 ... Flow Rate :	-4.8668E-06	cu m/s...	Re # :	194.
Gap #42 ... Flow Rate :	-4.7352E-06	cu m/s...	Re # :	183.
Gap #43 ... Flow Rate :	-5.2325E-06	cu m/s...	Re # :	209.
Gap #44 ... Flow Rate :	-5.3206E-06	cu m/s...	Re # :	232.
Gap #45 ... Flow Rate :	-5.7380E-07	cu m/s...	Re # :	23.
Gap #46 ... Flow Rate :	6.9098E-07	cu m/s...	Re # :	27.
Gap #47 ... Flow Rate :	6.6146E-07	cu m/s...	Re # :	26.
Gap #48 ... Flow Rate :	-6.3391E-07	cu m/s...	Re # :	25.

End of calculation.

FLOW RATE, REYNOLD # & NET FLOW BY INTERNAL PRESSURE : TEST11

Test Parameters:

Wind Velocity Of Wind Tunnel is : 10.04 m/s.

Wind Angle is : 120 degree.

Type Of Flow : UNIFORM

Mechanical Ventilation : 0.0000E+00 cu m/s. (0.00 cfm)

All Gaps Are Open.

Total North side infiltration : 0.0000E+00 cu m/s.
Total North side exfiltration : -2.0358E-04 cu m/s.
Total East side infiltration : 2.5754E-04 cu m/s.
Total East side exfiltration : 0.0000E+00 cu m/s.
Total South side infiltration : 1.4816E-04 cu m/s.
Total South side exfiltration : 0.0000E+00 cu m/s.
Total West side infiltration : 0.0000E+00 cu m/s.
Total West side exfiltration : -1.8084E-04 cu m/s.

Net Flow Rate (Less Ventilation) : 2.1291E-05 cu m/s.

Gap # 1	...Flow Rate :	-1.7639E-05	cu m/s...	Re # :	702.
Gap # 2	...Flow Rate :	-1.7754E-05	cu m/s...	Re # :	706.
Gap # 3	...Flow Rate :	-1.8174E-05	cu m/s...	Re # :	723.
Gap # 4	...Flow Rate :	-1.8475E-05	cu m/s...	Re # :	735.
Gap # 5	...Flow Rate :	-1.6531E-05	cu m/s...	Re # :	653.
Gap # 6	...Flow Rate :	-1.6897E-05	cu m/s...	Re # :	672.
Gap # 7	...Flow Rate :	-1.7853E-05	cu m/s...	Re # :	710.
Gap # 8	...Flow Rate :	-1.8434E-05	cu m/s...	Re # :	733.
Gap # 9	...Flow Rate :	-1.4465E-05	cu m/s...	Re # :	576.
Gap #10	...Flow Rate :	-1.4948E-05	cu m/s...	Re # :	595.
Gap #11	...Flow Rate :	-1.5946E-05	cu m/s...	Re # :	634.
Gap #12	...Flow Rate :	-1.6459E-05	cu m/s...	Re # :	655.
Gap #13	...Flow Rate :	2.3978E-05	cu m/s...	Re # :	954.
Gap #14	...Flow Rate :	2.2900E-05	cu m/s...	Re # :	911.
Gap #15	...Flow Rate :	2.0341E-05	cu m/s...	Re # :	809.
Gap #16	...Flow Rate :	1.3814E-05	cu m/s...	Re # :	749.
Gap #17	...Flow Rate :	2.5062E-05	cu m/s...	Re # :	997.
Gap #18	...Flow Rate :	2.3203E-05	cu m/s...	Re # :	947.
Gap #19	...Flow Rate :	2.0455E-05	cu m/s...	Re # :	814.
Gap #20	...Flow Rate :	1.8237E-05	cu m/s...	Re # :	726.
Gap #21	...Flow Rate :	2.4068E-05	cu m/s...	Re # :	958.
Gap #22	...Flow Rate :	2.2867E-05	cu m/s...	Re # :	910.
Gap #23	...Flow Rate :	1.9606E-05	cu m/s...	Re # :	780.
Gap #24	...Flow Rate :	1.7414E-05	cu m/s...	Re # :	693.
Gap #25	...Flow Rate :	5.8765E-06	cu m/s...	Re # :	234.
Gap #26	...Flow Rate :	9.1372E-06	cu m/s...	Re # :	364.
Gap #27	...Flow Rate :	1.2658E-05	cu m/s...	Re # :	504.
Gap #28	...Flow Rate :	1.3553E-05	cu m/s...	Re # :	539.
Gap #29	...Flow Rate :	7.6768E-06	cu m/s...	Re # :	305.
Gap #30	...Flow Rate :	1.1120E-05	cu m/s...	Re # :	442.
Gap #31	...Flow Rate :	1.5112E-05	cu m/s...	Re # :	601.
Gap #32	...Flow Rate :	1.6258E-05	cu m/s...	Re # :	647.
Gap #33	...Flow Rate :	1.1238E-05	cu m/s...	Re # :	447.
Gap #34	...Flow Rate :	1.2597E-05	cu m/s...	Re # :	501.
Gap #35	...Flow Rate :	1.5648E-05	cu m/s...	Re # :	623.
Gap #36	...Flow Rate :	1.7291E-05	cu m/s...	Re # :	688.
Gap #37	...Flow Rate :	-1.6874E-05	cu m/s...	Re # :	671.
Gap #38	...Flow Rate :	-1.6459E-05	cu m/s...	Re # :	655.
Gap #39	...Flow Rate :	-1.5939E-05	cu m/s...	Re # :	634.
Gap #40	...Flow Rate :	-1.5841E-05	cu m/s...	Re # :	630.
Gap #41	...Flow Rate :	-1.6492E-05	cu m/s...	Re # :	656.
Gap #42	...Flow Rate :	-1.6202E-05	cu m/s...	Re # :	645.
Gap #43	...Flow Rate :	-1.5668E-05	cu m/s...	Re # :	623.
Gap #44	...Flow Rate :	-1.5425E-05	cu m/s...	Re # :	614.
Gap #45	...Flow Rate :	-1.3134E-05	cu m/s...	Re # :	523.
Gap #46	...Flow Rate :	-1.3207E-05	cu m/s...	Re # :	525.
Gap #47	...Flow Rate :	-1.2962E-05	cu m/s...	Re # :	516.
Gap #48	...Flow Rate :	-1.2639E-05	cu m/s...	Re # :	503.

End of calculation.

FLOW RATE, REYNOLD # & NET FLOW BY INTERNAL PRESSURE : TEST12

Test Parameters:

Wind Velocity Of Wind Tunnel is : 9.98 m/s.

Wind Angle is : 150 degree.

Type Of Flow : UNIFORM

Mechanical Ventilation : 0.0000E+00 cu m/s. (0.00 cfm)

All Gaps Are Open.

Total North side infiltration	:	0.0000E+00	cu m/s.
Total North side exfiltration	:	-1.7925E-04	cu m/s.
Total East side infiltration	:	1.2703E-04	cu m/s.
Total East side exfiltration	:	0.0000E+00	cu m/s.
Total South side infiltration	:	2.7470E-04	cu m/s.
Total South side exfiltration	:	0.0000E+00	cu m/s.
Total West side infiltration	:	0.0000E+00	cu m/s.
Total West side exfiltration	:	-1.3306E-04	cu m/s.

Net Flow Rate (Less Ventilation) : 2.4418E-05 cu m/s.

Gap # 1 ...Flow Rate :	-1.5307E-05	cu m/s...	Re # :	609.
Gap # 2 ...Flow Rate :	-1.5766E-05	cu m/s...	Re # :	627.
Gap # 3 ...Flow Rate :	-1.6535E-05	cu m/s...	Re # :	658.
Gap # 4 ...Flow Rate :	-1.6851E-05	cu m/s...	Re # :	670.
Gap # 5 ...Flow Rate :	-1.5388E-05	cu m/s...	Re # :	612.
Gap # 6 ...Flow Rate :	-1.5565E-05	cu m/s...	Re # :	619.
Gap # 7 ...Flow Rate :	-1.6066E-05	cu m/s...	Re # :	639.
Gap # 8 ...Flow Rate :	-1.6384E-05	cu m/s...	Re # :	652.
Gap # 9 ...Flow Rate :	-1.2588E-05	cu m/s...	Re # :	501.
Gap #10 ...Flow Rate :	-1.2800E-05	cu m/s...	Re # :	509.
Gap #11 ...Flow Rate :	-1.3003E-05	cu m/s...	Re # :	517.
Gap #12 ...Flow Rate :	-1.2997E-05	cu m/s...	Re # :	517.
Gap #13 ...Flow Rate :	1.5560E-05	cu m/s...	Re # :	619.
Gap #14 ...Flow Rate :	1.3389E-05	cu m/s...	Re # :	533.
Gap #15 ...Flow Rate :	9.0826E-06	cu m/s...	Re # :	361.
Gap #16 ...Flow Rate :	8.9613E-06	cu m/s...	Re # :	277.
Gap #17 ...Flow Rate :	1.6073E-05	cu m/s...	Re # :	640.
Gap #18 ...Flow Rate :	1.4411E-05	cu m/s...	Re # :	573.
Gap #19 ...Flow Rate :	9.4071E-06	cu m/s...	Re # :	374.
Gap #20 ...Flow Rate :	5.1331E-06	cu m/s...	Re # :	204.
Gap #21 ...Flow Rate :	8.5720E-06	cu m/s...	Re # :	341.
Gap #22 ...Flow Rate :	1.1177E-05	cu m/s...	Re # :	445.
Gap #23 ...Flow Rate :	1.0480E-05	cu m/s...	Re # :	417.
Gap #24 ...Flow Rate :	6.7817E-06	cu m/s...	Re # :	270.
Gap #25 ...Flow Rate :	1.8246E-05	cu m/s...	Re # :	726.
Gap #26 ...Flow Rate :	2.0196E-05	cu m/s...	Re # :	804.
Gap #27 ...Flow Rate :	2.2973E-05	cu m/s...	Re # :	914.
Gap #28 ...Flow Rate :	2.3918E-05	cu m/s...	Re # :	952.
Gap #29 ...Flow Rate :	2.0096E-05	cu m/s...	Re # :	800.
Gap #30 ...Flow Rate :	2.1919E-05	cu m/s...	Re # :	872.
Gap #31 ...Flow Rate :	2.4675E-05	cu m/s...	Re # :	982.
Gap #32 ...Flow Rate :	2.5693E-05	cu m/s...	Re # :	1022.
Gap #33 ...Flow Rate :	2.1753E-05	cu m/s...	Re # :	866.
Gap #34 ...Flow Rate :	2.3245E-05	cu m/s...	Re # :	925.
Gap #35 ...Flow Rate :	2.5557E-05	cu m/s...	Re # :	1017.
Gap #36 ...Flow Rate :	2.6428E-05	cu m/s...	Re # :	1052.
Gap #37 ...Flow Rate :	-1.8049E-05	cu m/s...	Re # :	718.
Gap #38 ...Flow Rate :	-1.7757E-05	cu m/s...	Re # :	707.
Gap #39 ...Flow Rate :	-1.7328E-05	cu m/s...	Re # :	689.
Gap #40 ...Flow Rate :	-1.7194E-05	cu m/s...	Re # :	634.
Gap #41 ...Flow Rate :	-1.7944E-05	cu m/s...	Re # :	714.
Gap #42 ...Flow Rate :	-1.7422E-05	cu m/s...	Re # :	693.
Gap #43 ...Flow Rate :	-1.6445E-05	cu m/s...	Re # :	654.
Gap #44 ...Flow Rate :	-1.5992E-05	cu m/s...	Re # :	636.
Gap #45 ...Flow Rate :	-1.6110E-05	cu m/s...	Re # :	641.
Gap #46 ...Flow Rate :	-1.5536E-05	cu m/s...	Re # :	613.
Gap #47 ...Flow Rate :	-1.4413E-05	cu m/s...	Re # :	573.
Gap #48 ...Flow Rate :	-1.3865E-05	cu m/s...	Re # :	552.

End of calculation.

FLOW RATE, REYNOLD # & NET FLOW BY INTERNAL PRESSURE : TEST13

Test Parameters:

Wind Velocity Of Wind Tunnel is : 10.06 m/s.

Wind Angle is : 180 degree.

Type Of Flow : UNIFORM

Mechanical Ventilation : 0.0000E+00 cu m/s. (0.00 cfh)

All Gaps Are Open.

Total North side infiltration	:	4.9820E-08	cu m/s.
Total North side exfiltration	:	-6.0024E-05	cu m/s.
Total East side infiltration	:	0.0000E+00	cu m/s.
Total East side exfiltration	:	-1.5976E-04	cu m/s.
Total South side infiltration	:	3.4156E-04	cu m/s.
Total South side exfiltration	:	0.0000E+00	cu m/s.
Total West side infiltration	:	0.0000E+00	cu m/s.
Total West side exfiltration	:	-1.6685E-04	cu m/s.

Net Flow Rate (Less Ventilation) : -4.5026E-05 cu m/s.

Gap # 1 ...Flow Rate :	-9.0627E-06	cu m/s...	Re # :	361.
Gap # 2 ...Flow Rate :	-8.9418E-06	cu m/s...	Re # :	356.
Gap # 3 ...Flow Rate :	-9.1757E-06	cu m/s...	Re # :	365.
Gap # 4 ...Flow Rate :	-9.5219E-06	cu m/s...	Re # :	379.
Gap # 5 ...Flow Rate :	-5.5574E-06	cu m/s...	Re # :	221.
Gap # 6 ...Flow Rate :	-4.3711E-06	cu m/s...	Re # :	174.
Gap # 7 ...Flow Rate :	-5.2494E-06	cu m/s...	Re # :	209.
Gap # 8 ...Flow Rate :	-7.0441E-06	cu m/s...	Re # :	280.
Gap # 9 ...Flow Rate :	-2.7334E-07	cu m/s...	Re # :	11.
Gap #10 ...Flow Rate :	4.9820E-08	cu m/s...	Re # :	2.
Gap #11 ...Flow Rate :	-1.6583E-07	cu m/s...	Re # :	7.
Gap #12 ...Flow Rate :	-6.6037E-07	cu m/s...	Re # :	26.
Gap #13 ...Flow Rate :	-1.2545E-05	cu m/s...	Re # :	499.
Gap #14 ...Flow Rate :	-1.3119E-05	cu m/s...	Re # :	522.
Gap #15 ...Flow Rate :	-1.3188E-05	cu m/s...	Re # :	525.
Gap #16 ...Flow Rate :	-1.2688E-05	cu m/s...	Re # :	505.
Gap #17 ...Flow Rate :	-1.2006E-05	cu m/s...	Re # :	478.
Gap #18 ...Flow Rate :	-1.2836E-05	cu m/s...	Re # :	513.
Gap #19 ...Flow Rate :	-1.3826E-05	cu m/s...	Re # :	550.
Gap #20 ...Flow Rate :	-1.3930E-05	cu m/s...	Re # :	554.
Gap #21 ...Flow Rate :	-1.4219E-05	cu m/s...	Re # :	566.
Gap #22 ...Flow Rate :	-1.3986E-05	cu m/s...	Re # :	556.
Gap #23 ...Flow Rate :	-1.3707E-05	cu m/s...	Re # :	545.
Gap #24 ...Flow Rate :	-1.3664E-05	cu m/s...	Re # :	544.
Gap #25 ...Flow Rate :	2.7785E-05	cu m/s...	Re # :	1106.
Gap #26 ...Flow Rate :	2.8079E-05	cu m/s...	Re # :	1117.
Gap #27 ...Flow Rate :	2.8150E-05	cu m/s...	Re # :	1120.
Gap #28 ...Flow Rate :	2.7929E-05	cu m/s...	Re # :	1111.
Gap #29 ...Flow Rate :	2.8619E-05	cu m/s...	Re # :	1139.
Gap #30 ...Flow Rate :	2.9059E-05	cu m/s...	Re # :	1156.
Gap #31 ...Flow Rate :	2.8949E-05	cu m/s...	Re # :	1152.
Gap #32 ...Flow Rate :	2.8396E-05	cu m/s...	Re # :	1130.
Gap #33 ...Flow Rate :	2.9221E-05	cu m/s...	Re # :	1163.
Gap #34 ...Flow Rate :	2.9275E-05	cu m/s...	Re # :	1165.
Gap #35 ...Flow Rate :	2.8484E-05	cu m/s...	Re # :	1133.
Gap #36 ...Flow Rate :	2.7616E-05	cu m/s...	Re # :	1099.
Gap #37 ...Flow Rate :	-1.2380E-05	cu m/s...	Re # :	493.
Gap #38 ...Flow Rate :	-1.2896E-05	cu m/s...	Re # :	513.
Gap #39 ...Flow Rate :	-1.2886E-05	cu m/s...	Re # :	513.
Gap #40 ...Flow Rate :	-1.2359E-05	cu m/s...	Re # :	492.
Gap #41 ...Flow Rate :	-1.4064E-05	cu m/s...	Re # :	560.
Gap #42 ...Flow Rate :	-1.4173E-05	cu m/s...	Re # :	564.
Gap #43 ...Flow Rate :	-1.3419E-05	cu m/s...	Re # :	534.
Gap #44 ...Flow Rate :	-1.2510E-05	cu m/s...	Re # :	498.
Gap #45 ...Flow Rate :	-1.4701E-05	cu m/s...	Re # :	585.
Gap #46 ...Flow Rate :	-1.5482E-05	cu m/s...	Re # :	616.
Gap #47 ...Flow Rate :	-1.6070E-05	cu m/s...	Re # :	639.
Gap #48 ...Flow Rate :	-1.5907E-05	cu m/s...	Re # :	633.

End of calculation.

FLOW RATE, REYNOLD # & NET FLOW BY INTERNAL PRESSURE : TEST14

Test Parameters:

Wind Velocity Of Wind Tunnel is : 10.02 m/s.

Wind Angle is : 210 degree.

Type Of Flow : UNIFORM

Mechanical Ventilation : 0.0000E+00 cu m/s. (0.00 cfh)

All Gaps Are Open.

Total North side infiltration : 0.0000E+00 cu m/s.
 Total North side exfiltration : -1.7437E-04 cu m/s.
 Total East side infiltration : 0.0000E+00 cu m/s.
 Total East side exfiltration : -1.9822E-04 cu m/s.
 Total South side infiltration : 2.6167E-04 cu m/s.
 Total South side exfiltration : 0.0000E+00 cu m/s.
 Total West side infiltration : 1.3529E-04 cu m/s.
 Total West side exfiltration : 0.0000E+00 cu m/s.

Net Flow Rate (Less Ventilation) : 2.4374E-05 cu m/s.

Gap # 1 ...	Flow Rate :	-1.6600E-05	cu m/s...	Re # :	661.
Gap # 2 ...	Flow Rate :	-1.6052E-05	cu m/s...	Re # :	639.
Gap # 3 ...	Flow Rate :	-1.5324E-05	cu m/s...	Re # :	610.
Gap # 4 ...	Flow Rate :	-1.5158E-05	cu m/s...	Re # :	603.
Gap # 5 ...	Flow Rate :	-1.6014E-05	cu m/s...	Re # :	637.
Gap # 6 ...	Flow Rate :	-1.5673E-05	cu m/s...	Re # :	624.
Gap # 7 ...	Flow Rate :	-1.5098E-05	cu m/s...	Re # :	601.
Gap # 8 ...	Flow Rate :	-1.4868E-05	cu m/s...	Re # :	592.
Gap # 9 ...	Flow Rate :	-1.2604E-05	cu m/s...	Re # :	502.
Gap #10 ...	Flow Rate :	-1.2484E-05	cu m/s...	Re # :	497.
Gap #11 ...	Flow Rate :	-1.2285E-05	cu m/s...	Re # :	489.
Gap #12 ...	Flow Rate :	-1.2207E-05	cu m/s...	Re # :	486.
Gap #13 ...	Flow Rate :	-1.6858E-05	cu m/s...	Re # :	671.
Gap #14 ...	Flow Rate :	-1.7064E-05	cu m/s...	Re # :	679.
Gap #15 ...	Flow Rate :	-1.7628E-05	cu m/s...	Re # :	701.
Gap #16 ...	Flow Rate :	-1.7987E-05	cu m/s...	Re # :	716.
Gap #17 ...	Flow Rate :	-1.5831E-05	cu m/s...	Re # :	630.
Gap #18 ...	Flow Rate :	-1.6264E-05	cu m/s...	Re # :	647.
Gap #19 ...	Flow Rate :	-1.7321E-05	cu m/s...	Re # :	689.
Gap #20 ...	Flow Rate :	-1.7934E-05	cu m/s...	Re # :	714.
Gap #21 ...	Flow Rate :	-1.4406E-05	cu m/s...	Re # :	573.
Gap #22 ...	Flow Rate :	-1.4693E-05	cu m/s...	Re # :	585.
Gap #23 ...	Flow Rate :	-1.5747E-05	cu m/s...	Re # :	627.
Gap #24 ...	Flow Rate :	-1.6483E-05	cu m/s...	Re # :	656.
Gap #25 ...	Flow Rate :	2.4312E-05	cu m/s...	Re # :	967.
Gap #26 ...	Flow Rate :	2.3376E-05	cu m/s...	Re # :	930.
Gap #27 ...	Flow Rate :	2.0557E-05	cu m/s...	Re # :	818.
Gap #28 ...	Flow Rate :	1.8553E-05	cu m/s...	Re # :	733.
Gap #29 ...	Flow Rate :	2.5135E-05	cu m/s...	Re # :	1000.
Gap #30 ...	Flow Rate :	2.4103E-05	cu m/s...	Re # :	959.
Gap #31 ...	Flow Rate :	2.1168E-05	cu m/s...	Re # :	842.
Gap #32 ...	Flow Rate :	1.9153E-05	cu m/s...	Re # :	762.
Gap #33 ...	Flow Rate :	2.4198E-05	cu m/s...	Re # :	963.
Gap #34 ...	Flow Rate :	2.3127E-05	cu m/s...	Re # :	920.
Gap #35 ...	Flow Rate :	2.0060E-05	cu m/s...	Re # :	798.
Gap #36 ...	Flow Rate :	1.7929E-05	cu m/s...	Re # :	713.
Gap #37 ...	Flow Rate :	6.3684E-06	cu m/s...	Re # :	253.
Gap #38 ...	Flow Rate :	9.2207E-06	cu m/s...	Re # :	367.
Gap #39 ...	Flow Rate :	9.7459E-06	cu m/s...	Re # :	388.
Gap #40 ...	Flow Rate :	7.6673E-06	cu m/s...	Re # :	305.
Gap #41 ...	Flow Rate :	5.7977E-06	cu m/s...	Re # :	231.
Gap #42 ...	Flow Rate :	9.7758E-06	cu m/s...	Re # :	389.
Gap #43 ...	Flow Rate :	1.4715E-05	cu m/s...	Re # :	585.
Gap #44 ...	Flow Rate :	1.6442E-05	cu m/s...	Re # :	654.
Gap #45 ...	Flow Rate :	9.4076E-06	cu m/s...	Re # :	374.
Gap #46 ...	Flow Rate :	1.2257E-05	cu m/s...	Re # :	488.
Gap #47 ...	Flow Rate :	1.6224E-05	cu m/s...	Re # :	646.
Gap #48 ...	Flow Rate :	1.7670E-05	cu m/s...	Re # :	703.

End of calculation.

FLOW RATE, REYNOLD # & NET FLOW BY INTERNAL PRESSURE : TEST15

Test Parameters:

Wind Velocity Of Wind Tunnel is : 10.02 m/s.

Wind Angle is : 240 degree.

Type Of Flow : UNIFORM

Mechanical Ventilation : 0.0000E+00 cu m/s. (0.00 cfm)

All Gaps Are Open.

Total North side infiltration	:	0.0000E+00	cu m/s.
Total North side exfiltration	:	-1.9674E-04	cu m/s.
Total East side infiltration	:	0.0000E+00	cu m/s.
Total East side exfiltration	:	-1.7779E-04	cu m/s.
Total South side infiltration	:	1.1765E-04	cu m/s.
Total South side exfiltration	:	0.0000E+00	cu m/s.
Total West side infiltration	:	2.7228E-04	cu m/s.
Total West side exfiltration	:	0.0000E+00	cu m/s.

Net Flow Rate (Less Ventilation) : 1.5392E-05 cu m/s.

Gap # 1 ...Flow Rate :	-1.7829E-05	cu m/s...	Re # :	709.
Gap # 2 ...Flow Rate :	-1.7603E-05	cu m/s...	Re # :	700.
Gap # 3 ...Flow Rate :	-1.7217E-05	cu m/s...	Re # :	685.
Gap # 4 ...Flow Rate :	-1.7057E-05	cu m/s...	Re # :	679.
Gap # 5 ...Flow Rate :	-1.7931E-05	cu m/s...	Re # :	713.
Gap # 6 ...Flow Rate :	-1.7263E-05	cu m/s...	Re # :	687.
Gap # 7 ...Flow Rate :	-1.6248E-05	cu m/s...	Re # :	646.
Gap # 8 ...Flow Rate :	-1.5816E-05	cu m/s...	Re # :	633.
Gap # 9 ...Flow Rate :	-1.5937E-05	cu m/s...	Re # :	634.
Gap #10 ...Flow Rate :	-1.5468E-05	cu m/s...	Re # :	615.
Gap #11 ...Flow Rate :	-1.4427E-05	cu m/s...	Re # :	574.
Gap #12 ...Flow Rate :	-1.3849E-05	cu m/s...	Re # :	551.
Gap #13 ...Flow Rate :	-1.5389E-05	cu m/s...	Re # :	612.
Gap #14 ...Flow Rate :	-1.5571E-05	cu m/s...	Re # :	620.
Gap #15 ...Flow Rate :	-1.6403E-05	cu m/s...	Re # :	653.
Gap #16 ...Flow Rate :	-1.7034E-05	cu m/s...	Re # :	678.
Gap #17 ...Flow Rate :	-1.4990E-05	cu m/s...	Re # :	596.
Gap #18 ...Flow Rate :	-1.5255E-05	cu m/s...	Re # :	607.
Gap #19 ...Flow Rate :	-1.5929E-05	cu m/s...	Re # :	634.
Gap #20 ...Flow Rate :	-1.6334E-05	cu m/s...	Re # :	650.
Gap #21 ...Flow Rate :	-1.2384E-05	cu m/s...	Re # :	493.
Gap #22 ...Flow Rate :	-1.2592E-05	cu m/s...	Re # :	501.
Gap #23 ...Flow Rate :	-1.2905E-05	cu m/s...	Re # :	513.
Gap #24 ...Flow Rate :	-1.3000E-05	cu m/s...	Re # :	517.
Gap #25 ...Flow Rate :	1.4984E-05	cu m/s...	Re # :	596.
Gap #26 ...Flow Rate :	1.3437E-05	cu m/s...	Re # :	535.
Gap #27 ...Flow Rate :	3.9464E-06	cu m/s...	Re # :	356.
Gap #28 ...Flow Rate :	5.3085E-06	cu m/s...	Re # :	211.
Gap #29 ...Flow Rate :	1.4150E-05	cu m/s...	Re # :	563.
Gap #30 ...Flow Rate :	1.3651E-05	cu m/s...	Re # :	543.
Gap #31 ...Flow Rate :	1.0097E-05	cu m/s...	Re # :	402.
Gap #32 ...Flow Rate :	6.1334E-06	cu m/s...	Re # :	244.
Gap #33 ...Flow Rate :	5.7779E-06	cu m/s...	Re # :	230.
Gap #34 ...Flow Rate :	9.5185E-06	cu m/s...	Re # :	379.
Gap #35 ...Flow Rate :	9.6109E-06	cu m/s...	Re # :	382.
Gap #36 ...Flow Rate :	6.0352E-06	cu m/s...	Re # :	240.
Gap #37 ...Flow Rate :	1.3558E-05	cu m/s...	Re # :	738.
Gap #38 ...Flow Rate :	2.0193E-05	cu m/s...	Re # :	803.
Gap #39 ...Flow Rate :	2.2843E-05	cu m/s...	Re # :	909.
Gap #40 ...Flow Rate :	2.3918E-05	cu m/s...	Re # :	952.
Gap #41 ...Flow Rate :	1.9671E-05	cu m/s...	Re # :	783.
Gap #42 ...Flow Rate :	2.1739E-05	cu m/s...	Re # :	865.
Gap #43 ...Flow Rate :	2.4557E-05	cu m/s...	Re # :	977.
Gap #44 ...Flow Rate :	2.5436E-05	cu m/s...	Re # :	1012.
Gap #45 ...Flow Rate :	2.1222E-05	cu m/s...	Re # :	844.
Gap #46 ...Flow Rate :	2.2871E-05	cu m/s...	Re # :	910.
Gap #47 ...Flow Rate :	2.5238E-05	cu m/s...	Re # :	1004.
Gap #48 ...Flow Rate :	2.6031E-05	cu m/s...	Re # :	1036.

End of calculation.

FLOW RATE, REYNOLD # & NET FLOW BY INTERNAL PRESSURE : TEST16

Test Parameters:

Wind Velocity Of Wind Tunnel is : 9.99 m/s.

Wind Angle is : 270 degree.

Type Of Flow : UNIFORM

Mechanical Ventilation : 0.0000E+00 cu m/s. (0.00 cfh)

All Gaps Are Open.

Total North side infiltration : 0.0000E+00 cu m/s.
Total North side exfiltration : -1.7330E-04 cu m/s.
Total East side infiltration : 1.5313E-06 cu m/s.
Total East side exfiltration : -5.6003E-05 cu m/s.
Total South side infiltration : 0.0000E+00 cu m/s.
Total South side exfiltration : -1.5962E-04 cu m/s.
Total West side infiltration : 3.4247E-04 cu m/s.
Total West side exfiltration : 0.0000E+00 cu m/s.

Net Flow Rate (Less Ventilation) : -4.4922E-05 cu m/s.

Gap # 1	Flow Rate	: -1.3387E-05	cu m/s...	Re #	: 533.
Gap # 2	Flow Rate	: -1.3113E-05	cu m/s...	Re #	: 522.
Gap # 3	Flow Rate	: -1.2859E-05	cu m/s...	Re #	: 512.
Gap # 4	Flow Rate	: -1.2885E-05	cu m/s...	Re #	: 513.
Gap # 5	Flow Rate	: -1.4988E-05	cu m/s...	Re #	: 596.
Gap # 6	Flow Rate	: -1.4643E-05	cu m/s...	Re #	: 583.
Gap # 7	Flow Rate	: -1.3763E-05	cu m/s...	Re #	: 548.
Gap # 8	Flow Rate	: -1.3217E-05	cu m/s...	Re #	: 526.
Gap # 9	Flow Rate	: -1.5006E-05	cu m/s...	Re #	: 597.
Gap # 10	Flow Rate	: -1.5996E-05	cu m/s...	Re #	: 636.
Gap # 11	Flow Rate	: -1.6794E-05	cu m/s...	Re #	: 668.
Gap # 12	Flow Rate	: -1.6648E-05	cu m/s...	Re #	: 662.
Gap # 13	Flow Rate	: -8.6448E-06	cu m/s...	Re #	: 344.
Gap # 14	Flow Rate	: -8.8705E-06	cu m/s...	Re #	: 353.
Gap # 15	Flow Rate	: -8.7915E-06	cu m/s...	Re #	: 350.
Gap # 16	Flow Rate	: -8.4832E-06	cu m/s...	Re #	: 338.
Gap # 17	Flow Rate	: -4.7950E-06	cu m/s...	Re #	: 191.
Gap # 18	Flow Rate	: -4.3017E-06	cu m/s...	Re #	: 171.
Gap # 19	Flow Rate	: -5.1739E-06	cu m/s...	Re #	: 206.
Gap # 20	Flow Rate	: -6.3750E-06	cu m/s...	Re #	: 254.
Gap # 21	Flow Rate	: -1.5851E-07	cu m/s...	Re #	: 6.
Gap # 22	Flow Rate	: 8.2096E-07	cu m/s...	Re #	: 33.
Gap # 23	Flow Rate	: 7.1035E-07	cu m/s...	Re #	: 28.
Gap # 24	Flow Rate	: -4.0865E-07	cu m/s...	Re #	: 16.
Gap # 25	Flow Rate	: -1.2452E-05	cu m/s...	Re #	: 495.
Gap # 26	Flow Rate	: -1.2875E-05	cu m/s...	Re #	: 512.
Gap # 27	Flow Rate	: -1.3466E-05	cu m/s...	Re #	: 536.
Gap # 28	Flow Rate	: -1.3644E-05	cu m/s...	Re #	: 543.
Gap # 29	Flow Rate	: -1.2269E-05	cu m/s...	Re #	: 438.
Gap # 30	Flow Rate	: -1.2949E-05	cu m/s...	Re #	: 515.
Gap # 31	Flow Rate	: -1.3637E-05	cu m/s...	Re #	: 543.
Gap # 32	Flow Rate	: -1.3673E-05	cu m/s...	Re #	: 544.
Gap # 33	Flow Rate	: -1.3029E-05	cu m/s...	Re #	: 518.
Gap # 34	Flow Rate	: -1.3924E-05	cu m/s...	Re #	: 554.
Gap # 35	Flow Rate	: -1.4168E-05	cu m/s...	Re #	: 564.
Gap # 36	Flow Rate	: -1.3539E-05	cu m/s...	Re #	: 533.
Gap # 37	Flow Rate	: 2.7708E-05	cu m/s...	Re #	: 1102.
Gap # 38	Flow Rate	: 2.8121E-05	cu m/s...	Re #	: 1119.
Gap # 39	Flow Rate	: 2.8173E-05	cu m/s...	Re #	: 1121.
Gap # 40	Flow Rate	: 2.7813E-05	cu m/s...	Re #	: 1107.
Gap # 41	Flow Rate	: 2.2682E-05	cu m/s...	Re #	: 1141.
Gap # 42	Flow Rate	: 2.9192E-05	cu m/s...	Re #	: 1162.
Gap # 43	Flow Rate	: 2.9059E-05	cu m/s...	Re #	: 1156.
Gap # 44	Flow Rate	: 2.8412E-05	cu m/s...	Re #	: 1130.
Gap # 45	Flow Rate	: 2.9250E-05	cu m/s...	Re #	: 1164.
Gap # 46	Flow Rate	: 2.9427E-05	cu m/s...	Re #	: 1171.
Gap # 47	Flow Rate	: 2.8754E-05	cu m/s...	Re #	: 1144.
Gap # 48	Flow Rate	: 2.7892E-05	cu m/s...	Re #	: 1109.

End of calculation.

FLOW RATE, REYNOLD # & NET FLOW BY INTERNAL PRESSURE : TEST17

Test Parameters:

Wind Velocity Of Wind Tunnel is : 9.98 m/s⁹

Wind Angle is : 300 degree.

Type Of Flow : UNIFORM

Mechanical Ventilation : 0.0000E+00 cu m/s. (0.00 cfh)

All Gaps Are Open.

Total North side infiltration	:	1.3282E-04	cu m/s.
Total North side exfiltration	:	0.0000E+00	cu m/s.
Total East side infiltration	:	0.0000E+00	cu m/s.
Total East side exfiltration	:	-1.7622E-04	cu m/s.
Total South side infiltration	:	0.0000E+00	cu m/s.
Total South side exfiltration	:	-1.9776E-04	cu m/s.
Total West side infiltration	:	2.5977E-04	cu m/s.
Total West side exfiltration	:	0.0000E+00	cu m/s.

Net Flow Rate (Less Ventilation) : 1.8617E-05 cu m/s.

Gap # 1 ... Flow Rate :	1.1141E-06	cu m/s...	Re # :	44.
Gap # 2 ... Flow Rate :	7.5993E-06	cu m/s...	Re # :	302.
Gap # 3 ... Flow Rate :	1.1493E-05	cu m/s...	Re # :	457.
Gap # 4 ... Flow Rate :	1.1499E-05	cu m/s...	Re # :	458.
Gap # 5 ... Flow Rate :	5.6117E-06	cu m/s...	Re # :	223.
Gap # 6 ... Flow Rate :	9.5997E-06	cu m/s...	Re # :	382.
Gap # 7 ... Flow Rate :	1.4557E-05	cu m/s...	Re # :	579.
Gap # 8 ... Flow Rate :	1.6301E-05	cu m/s...	Re # :	649.
Gap # 9 ... Flow Rate :	8.6984E-06	cu m/s...	Re # :	346.
Gap # 10 ... Flow Rate :	1.1805E-05	cu m/s...	Re # :	470.
Gap # 11 ... Flow Rate :	1.6369E-05	cu m/s...	Re # :	651.
Gap # 12 ... Flow Rate :	1.8177E-05	cu m/s...	Re # :	723.
Gap # 13 ... Flow Rate :	-1.6591E-05	cu m/s...	Re # :	660.
Gap # 14 ... Flow Rate :	-1.6187E-05	cu m/s...	Re # :	644.
Gap # 15 ... Flow Rate :	-1.5413E-05	cu m/s...	Re # :	613.
Gap # 16 ... Flow Rate :	-1.5044E-05	cu m/s...	Re # :	599.
Gap # 17 ... Flow Rate :	-1.5940E-05	cu m/s...	Re # :	634.
Gap # 18 ... Flow Rate :	-1.5782E-05	cu m/s...	Re # :	623.
Gap # 19 ... Flow Rate :	-1.5426E-05	cu m/s...	Re # :	614.
Gap # 20 ... Flow Rate :	-1.5227E-05	cu m/s...	Re # :	606.
Gap # 21 ... Flow Rate :	-1.2751E-05	cu m/s...	Re # :	507.
Gap # 22 ... Flow Rate :	-1.2785E-05	cu m/s...	Re # :	509.
Gap # 23 ... Flow Rate :	-1.2632E-05	cu m/s...	Re # :	503.
Gap # 24 ... Flow Rate :	-1.2441E-05	cu m/s...	Re # :	495.
Gap # 25 ... Flow Rate :	-1.6834E-05	cu m/s...	Re # :	670.
Gap # 26 ... Flow Rate :	-1.7029E-05	cu m/s...	Re # :	678.
Gap # 27 ... Flow Rate :	-1.7599E-05	cu m/s...	Re # :	700.
Gap # 28 ... Flow Rate :	-1.7969E-05	cu m/s...	Re # :	715.
Gap # 29 ... Flow Rate :	-1.5965E-05	cu m/s...	Re # :	635.
Gap # 30 ... Flow Rate :	-1.6345E-05	cu m/s...	Re # :	650.
Gap # 31 ... Flow Rate :	-1.7297E-05	cu m/s...	Re # :	688.
Gap # 32 ... Flow Rate :	-1.7861E-05	cu m/s...	Re # :	711.
Gap # 33 ... Flow Rate :	-1.4204E-05	cu m/s...	Re # :	565.
Gap # 34 ... Flow Rate :	-1.4688E-05	cu m/s...	Re # :	584.
Gap # 35 ... Flow Rate :	-1.5715E-05	cu m/s...	Re # :	625.
Gap # 36 ... Flow Rate :	-1.6255E-05	cu m/s...	Re # :	647.
Gap # 37 ... Flow Rate :	2.4366E-05	cu m/s...	Re # :	969.
Gap # 38 ... Flow Rate :	2.3318E-05	cu m/s...	Re # :	928.
Gap # 39 ... Flow Rate :	2.0387E-05	cu m/s...	Re # :	811.
Gap # 40 ... Flow Rate :	1.8391E-05	cu m/s...	Re # :	732.
Gap # 41 ... Flow Rate :	2.5104E-05	cu m/s...	Re # :	939.
Gap # 42 ... Flow Rate :	2.4092E-05	cu m/s...	Re # :	959.
Gap # 43 ... Flow Rate :	2.1034E-05	cu m/s...	Re # :	837.
Gap # 44 ... Flow Rate :	1.8846E-05	cu m/s...	Re # :	750.
Gap # 45 ... Flow Rate :	2.3702E-05	cu m/s...	Re # :	943.
Gap # 46 ... Flow Rate :	2.2442E-05	cu m/s...	Re # :	893.
Gap # 47 ... Flow Rate :	1.9765E-05	cu m/s...	Re # :	786.
Gap # 48 ... Flow Rate :	1.8327E-05	cu m/s...	Re # :	729.

End of calculation.

FLOW RATE, REYNOLD # & NET FLOW BY INTERNAL PRESSURE : TEST18

Test Parameters:

Wind Velocity Of Wind Tunnel is : 9.99 m/s.

Wind Angle is : 330 degree.

Type Of Flow : UNIFORM

Mechanical Ventilation : 0.0000E+00 cu m/s. (0.00 cfh)

All Gaps Are Open.

Total North side infiltration	:	2.7062E-04	cu m/s.
Total North side exfiltration	:	0.0000E+00	cu m/s.
Total East side infiltration	:	0.0000E+00	cu m/s.
Total East side exfiltration	:	-1.9347E-04	cu m/s.
Total South side infiltration	:	0.0000E+00	cu m/s.
Total South side exfiltration	:	-1.7504E-04	cu m/s.
Total West side infiltration	:	1.2698E-04	cu m/s.
Total West side exfiltration	:	0.0000E+00	cu m/s.

Net Flow Rate (Less Ventilation) : 2.9090E-05 cu m/s.

Gap # 1 ... Flow Rate :	1.7474E-05	cu m/s...	Re # :	695.
Gap # 2 ... Flow Rate :	1.9775E-05	cu m/s...	Re # :	787.
Gap # 3 ... Flow Rate :	2.2390E-05	cu m/s...	Re # :	911.
Gap # 4 ... Flow Rate :	2.3875E-05	cu m/s...	Re # :	950.
Gap # 5 ... Flow Rate :	1.9061E-05	cu m/s...	Re # :	758.
Gap # 6 ... Flow Rate :	2.1412E-05	cu m/s...	Re # :	852.
Gap # 7 ... Flow Rate :	2.4612E-05	cu m/s...	Re # :	979.
Gap # 8 ... Flow Rate :	2.5629E-05	cu m/s...	Re # :	1020.
Gap # 9 ... Flow Rate :	2.1031E-05	cu m/s...	Re # :	837.
Gap # 10 ... Flow Rate :	2.3001E-05	cu m/s...	Re # :	915.
Gap # 11 ... Flow Rate :	2.5572E-05	cu m/s...	Re # :	1017.
Gap # 12 ... Flow Rate :	2.6293E-05	cu m/s...	Re # :	1046.
Gap # 13 ... Flow Rate :	-1.7354E-05	cu m/s...	Re # :	710.
Gap # 14 ... Flow Rate :	-1.7528E-05	cu m/s...	Re # :	697.
Gap # 15 ... Flow Rate :	-1.6956E-05	cu m/s...	Re # :	675.
Gap # 16 ... Flow Rate :	-1.6712E-05	cu m/s...	Re # :	665.
Gap # 17 ... Flow Rate :	-1.7457E-05	cu m/s...	Re # :	695.
Gap # 18 ... Flow Rate :	-1.7039E-05	cu m/s...	Re # :	673.
Gap # 19 ... Flow Rate :	-1.6237E-05	cu m/s...	Re # :	646.
Gap # 20 ... Flow Rate :	-1.5854E-05	cu m/s...	Re # :	631.
Gap # 21 ... Flow Rate :	-1.5514E-05	cu m/s...	Re # :	617.
Gap # 22 ... Flow Rate :	-1.4909E-05	cu m/s...	Re # :	593.
Gap # 23 ... Flow Rate :	-1.3903E-05	cu m/s...	Re # :	553.
Gap # 24 ... Flow Rate :	-1.3513E-05	cu m/s...	Re # :	538.
Gap # 25 ... Flow Rate :	-1.5105E-05	cu m/s...	Re # :	601.
Gap # 26 ... Flow Rate :	-1.5392E-05	cu m/s...	Re # :	612.
Gap # 27 ... Flow Rate :	-1.6154E-05	cu m/s...	Re # :	643.
Gap # 28 ... Flow Rate :	-1.6622E-05	cu m/s...	Re # :	661.
Gap # 29 ... Flow Rate :	-1.4797E-05	cu m/s...	Re # :	589.
Gap # 30 ... Flow Rate :	-1.5031E-05	cu m/s...	Re # :	598.
Gap # 31 ... Flow Rate :	-1.5716E-05	cu m/s...	Re # :	625.
Gap # 32 ... Flow Rate :	-1.6159E-05	cu m/s...	Re # :	643.
Gap # 33 ... Flow Rate :	-1.1948E-05	cu m/s...	Re # :	475.
Gap # 34 ... Flow Rate :	-1.2424E-05	cu m/s...	Re # :	494.
Gap # 35 ... Flow Rate :	-1.2859E-05	cu m/s...	Re # :	512.
Gap # 36 ... Flow Rate :	-1.2831E-05	cu m/s...	Re # :	511.
Gap # 37 ... Flow Rate :	1.5829E-05	cu m/s...	Re # :	630.
Gap # 38 ... Flow Rate :	1.3986E-05	cu m/s...	Re # :	556.
Gap # 39 ... Flow Rate :	9.6380E-06	cu m/s...	Re # :	383.
Gap # 40 ... Flow Rate :	6.9553E-06	cu m/s...	Re # :	273.
Gap # 41 ... Flow Rate :	1.4136E-05	cu m/s...	Re # :	562.
Gap # 42 ... Flow Rate :	1.3741E-05	cu m/s...	Re # :	547.
Gap # 43 ... Flow Rate :	1.0335E-05	cu m/s...	Re # :	411.
Gap # 44 ... Flow Rate :	6.4570E-06	cu m/s...	Re # :	257.
Gap # 45 ... Flow Rate :	6.2431E-06	cu m/s...	Re # :	248.
Gap # 46 ... Flow Rate :	9.9263E-06	cu m/s...	Re # :	395.
Gap # 47 ... Flow Rate :	1.0964E-05	cu m/s...	Re # :	436.
Gap # 48 ... Flow Rate :	9.8664E-06	cu m/s...	Re # :	353.

End of calculation.

FLOW RATE, REYNOLD # & NET FLOW BY INTERNAL PRESSURE : TEST19

Test Parameters:

Wind Velocity Of Wind Tunnel is : 9.97 m/s.

Wind Angle is : 45 degree.

Type Of Flow : UNIFORM

Mechanical Ventilation : 0.0000E+00 cu m/s. (0.00 cfm)

All Gaps Are Open:

Total North side infiltration : 2.0442E-04 cu m/s.
 Total North side exfiltration : 0.0000E+00 cu m/s.
 Total East side infiltration : 2.2226E-04 cu m/s.
 Total East side exfiltration : 0.0000E+00 cu m/s.
 Total South side infiltration : 0.0000E+00 cu m/s.
 Total South side exfiltration : -1.9683E-04 cu m/s.
 Total West side infiltration : 0.0000E+00 cu m/s.
 Total West side exfiltration : -1.9944E-04 cu m/s.

Net Flow Rate (Less Ventilation) : 3.0410E-05 cu m/s.

Gap # 1 ... Flow Rate :	2.0019E-05	cu m/s...	Re # :	797.
Gap # 2 ... Flow Rate :	1.8839E-05	cu m/s...	Re # :	750.
Gap # 3 ... Flow Rate :	1.4656E-05	cu m/s...	Re # :	583.
Gap # 4 ... Flow Rate :	1.1140E-05	cu m/s...	Re # :	443.
Gap # 5 ... Flow Rate :	2.1054E-05	cu m/s...	Re # :	838.
Gap # 6 ... Flow Rate :	1.9965E-05	cu m/s...	Re # :	794.
Gap # 7 ... Flow Rate :	1.6218E-05	cu m/s...	Re # :	645.
Gap # 8 ... Flow Rate :	1.3211E-05	cu m/s...	Re # :	526.
Gap # 9 ... Flow Rate :	2.0237E-05	cu m/s...	Re # :	805.
Gap #10 ... Flow Rate :	1.9118E-05	cu m/s...	Re # :	761.
Gap #11 ... Flow Rate :	1.6037E-05	cu m/s...	Re # :	638.
Gap #12 ... Flow Rate :	1.3926E-05	cu m/s...	Re # :	554.
Gap #13 ... Flow Rate :	1.2907E-05	cu m/s...	Re # :	514.
Gap #14 ... Flow Rate :	1.4869E-05	cu m/s...	Re # :	592.
Gap #15 ... Flow Rate :	1.8322E-05	cu m/s...	Re # :	729.
Gap #16 ... Flow Rate :	1.9883E-05	cu m/s...	Re # :	791.
Gap #17 ... Flow Rate :	1.4352E-05	cu m/s...	Re # :	591.
Gap #18 ... Flow Rate :	1.6887E-05	cu m/s...	Re # :	672.
Gap #19 ... Flow Rate :	2.0592E-05	cu m/s...	Re # :	919.
Gap #20 ... Flow Rate :	2.2315E-05	cu m/s...	Re # :	888.
Gap #21 ... Flow Rate :	1.6311E-05	cu m/s...	Re # :	673.
Gap #22 ... Flow Rate :	1.9047E-05	cu m/s...	Re # :	758.
Gap #23 ... Flow Rate :	2.2244E-05	cu m/s...	Re # :	885.
Gap #24 ... Flow Rate :	2.3433E-05	cu m/s...	Re # :	932.
Gap #25 ... Flow Rate :	-1.8195E-05	cu m/s...	Re # :	724.
Gap #26 ... Flow Rate :	-1.7727E-05	cu m/s...	Re # :	705.
Gap #27 ... Flow Rate :	-1.7007E-05	cu m/s...	Re # :	677.
Gap #28 ... Flow Rate :	-1.6764E-05	cu m/s...	Re # :	667.
Gap #29 ... Flow Rate :	-1.7750E-05	cu m/s...	Re # :	706.
Gap #30 ... Flow Rate :	-1.7393E-05	cu m/s...	Re # :	692.
Gap #31 ... Flow Rate :	-1.6642E-05	cu m/s...	Re # :	662.
Gap #32 ... Flow Rate :	-1.6246E-05	cu m/s...	Re # :	646.
Gap #33 ... Flow Rate :	-1.5357E-05	cu m/s...	Re # :	611.
Gap #34 ... Flow Rate :	-1.5165E-05	cu m/s...	Re # :	603.
Gap #35 ... Flow Rate :	-1.4522E-05	cu m/s...	Re # :	578.
Gap #36 ... Flow Rate :	-1.4063E-05	cu m/s...	Re # :	560.
Gap #37 ... Flow Rate :	-1.7076E-05	cu m/s...	Re # :	679.
Gap #38 ... Flow Rate :	-1.7449E-05	cu m/s...	Re # :	694.
Gap #39 ... Flow Rate :	-1.8169E-05	cu m/s...	Re # :	723.
Gap #40 ... Flow Rate :	-1.8517E-05	cu m/s...	Re # :	737.
Gap #41 ... Flow Rate :	-1.6588E-05	cu m/s...	Re # :	660.
Gap #42 ... Flow Rate :	-1.6958E-05	cu m/s...	Re # :	675.
Gap #43 ... Flow Rate :	-1.7552E-05	cu m/s...	Re # :	698.
Gap #44 ... Flow Rate :	-1.7780E-05	cu m/s...	Re # :	707.
Gap #45 ... Flow Rate :	-1.3909E-05	cu m/s...	Re # :	553.
Gap #46 ... Flow Rate :	-1.4560E-05	cu m/s...	Re # :	579.
Gap #47 ... Flow Rate :	-1.5357E-05	cu m/s...	Re # :	611.
Gap #48 ... Flow Rate :	-1.5524E-05	cu m/s...	Re # :	618.

End of calculation.

FLOW RATE, REYNOLD # & NET FLOW BY INTERNAL PRESSURE : TEST21

Test Parameters:

Wind Velocity Of Wind Tunnel Is : 12.50 m/s.

Wind Angle Is : 0 degree.

Type Of Flow : UNIFORM

Mechanical Ventilation : 0.0000E+00 cu m/s. (0.00 cfm)

All Gaps Are Open.

Total North side infiltration	:	4.4083E-04	cu m/s.
Total North side exfiltration	:	0.0000E+00	cu m/s.
Total East side infiltration	:	0.0000E+00	cu m/s.
Total East side exfiltration	:	-2.1788E-04	cu m/s.
Total South side infiltration	:	9.9925E-06	cu m/s.
Total South side exfiltration	:	-6.9973E-05	cu m/s.
Total West side infiltration	:	0.0000E+00	cu m/s.
Total West side exfiltration	:	-2.0111E-04	cu m/s.

Net Flow Rate (Less Ventilation) : -3.8146E-05 cu m/s.

Gap # 1 ... Flow Rate :	3.5557E-05	cu m/s...	Re # :	1415.
Gap # 2 ... Flow Rate :	3.6085E-05	cu m/s...	Re # :	1436.
Gap # 3 ... Flow Rate :	3.6030E-05	cu m/s...	Re # :	1434.
Gap # 4 ... Flow Rate :	3.5446E-05	cu m/s...	Re # :	1410.
Gap # 5 ... Flow Rate :	3.6830E-05	cu m/s...	Re # :	1465.
Gap # 6 ... Flow Rate :	3.7531E-05	cu m/s...	Re # :	1493.
Gap # 7 ... Flow Rate :	3.7490E-05	cu m/s...	Re # :	1492.
Gap # 8 ... Flow Rate :	3.6745E-05	cu m/s...	Re # :	1462.
Gap # 9 ... Flow Rate :	3.7751E-05	cu m/s...	Re # :	1502.
Gap #10 ... Flow Rate :	3.7906E-05	cu m/s...	Re # :	1508.
Gap #11 ... Flow Rate :	3.7178E-05	cu m/s...	Re # :	1479.
Gap #12 ... Flow Rate :	3.6277E-05	cu m/s...	Re # :	1443.
Gap #13 ... Flow Rate :	-1.7027E-05	cu m/s...	Re # :	677.
Gap #14 ... Flow Rate :	-1.6718E-05	cu m/s...	Re # :	665.
Gap #15 ... Flow Rate :	-1.6148E-05	cu m/s...	Re # :	643.
Gap #16 ... Flow Rate :	-1.5889E-05	cu m/s...	Re # :	632.
Gap #17 ... Flow Rate :	-1.8435E-05	cu m/s...	Re # :	734.
Gap #18 ... Flow Rate :	-1.8249E-05	cu m/s...	Re # :	726.
Gap #19 ... Flow Rate :	-1.7187E-05	cu m/s...	Re # :	684.
Gap #20 ... Flow Rate :	-1.6273E-05	cu m/s...	Re # :	647.
Gap #21 ... Flow Rate :	-1.8585E-05	cu m/s...	Re # :	739.
Gap #22 ... Flow Rate :	-2.0351E-05	cu m/s...	Re # :	810.
Gap #23 ... Flow Rate :	-2.1672E-05	cu m/s...	Re # :	862.
Gap #24 ... Flow Rate :	-2.1345E-05	cu m/s...	Re # :	849.
Gap #25 ... Flow Rate :	-1.1345E-05	cu m/s...	Re # :	451.
Gap #26 ... Flow Rate :	-1.0708E-05	cu m/s...	Re # :	426.
Gap #27 ... Flow Rate :	-1.1370E-05	cu m/s...	Re # :	452.
Gap #28 ... Flow Rate :	-1.2590E-05	cu m/s...	Re # :	501.
Gap #29 ... Flow Rate :	-5.5515E-06	cu m/s...	Re # :	221.
Gap #30 ... Flow Rate :	-5.3275E-06	cu m/s...	Re # :	212.
Gap #31 ... Flow Rate :	-6.0910E-06	cu m/s...	Re # :	242.
Gap #32 ... Flow Rate :	-6.9899E-06	cu m/s...	Re # :	278.
Gap #33 ... Flow Rate :	2.3426E-06	cu m/s...	Re # :	93.
Gap #34 ... Flow Rate :	3.6157E-06	cu m/s...	Re # :	144.
Gap #35 ... Flow Rate :	3.0926E-06	cu m/s...	Re # :	123.
Gap #36 ... Flow Rate :	9.4159E-07	cu m/s...	Re # :	37.
Gap #37 ... Flow Rate :	-1.5046E-05	cu m/s...	Re # :	599.
Gap #38 ... Flow Rate :	-1.6052E-05	cu m/s...	Re # :	639.
Gap #39 ... Flow Rate :	-1.6772E-05	cu m/s...	Re # :	667.
Gap #40 ... Flow Rate :	-1.6532E-05	cu m/s...	Re # :	658.
Gap #41 ... Flow Rate :	-1.6448E-05	cu m/s...	Re # :	654.
Gap #42 ... Flow Rate :	-1.7334E-05	cu m/s...	Re # :	690.
Gap #43 ... Flow Rate :	-1.7555E-05	cu m/s...	Re # :	698.
Gap #44 ... Flow Rate :	-1.6907E-05	cu m/s...	Re # :	673.
Gap #45 ... Flow Rate :	-1.6914E-05	cu m/s...	Re # :	673.
Gap #46 ... Flow Rate :	-1.7571E-05	cu m/s...	Re # :	699.
Gap #47 ... Flow Rate :	-1.7407E-05	cu m/s...	Re # :	693.
Gap #48 ... Flow Rate :	-1.6574E-05	cu m/s...	Re # :	659.

End of calculation.

FLOW RATE, REYNOLD # & NET FLOW BY INTERNAL PRESSURE : TEST40

Test Parameters:

Wind Velocity Of Wind Tunnel is : 4.98 m/s.

Wind Angle is : 0 degree.

Type Of Flow : UNIFORM

Mechanical Ventilation : 0.0000E+00 cu m/s. (0.00 cfm)

All Gaps Are Open.

Total North side infiltration : 1.6082E-04 cu m/s.
 Total North side exfiltration : 0.0000E+00 cu m/s.
 Total East side infiltration : 0.0000E+00 cu m/s.
 Total East side exfiltration : -7.0940E-05 cu m/s.
 Total South side infiltration : 0.0000E+00 cu m/s.
 Total South side exfiltration : -3.1677E-05 cu m/s.
 Total West side infiltration : 0.0000E+00 cu m/s.
 Total West side exfiltration : -6.5677E-05 cu m/s.

Net Flow Rate (Less Ventilation) : -7.4750E-06 cu m/s.

Gap # 1 ... Flow Rate :	1.2907E-05	cu m/s...	Re # :	514.
Gap # 2 ... Flow Rate :	1.3145E-05	cu m/s...	Re # :	523.
Gap # 3 ... Flow Rate :	1.3342E-05	cu m/s...	Re # :	531.
Gap # 4 ... Flow Rate :	1.3305E-05	cu m/s...	Re # :	529.
Gap # 5 ... Flow Rate :	1.3331E-05	cu m/s...	Re # :	530.
Gap # 6 ... Flow Rate :	1.3568E-05	cu m/s...	Re # :	540.
Gap # 7 ... Flow Rate :	1.3571E-05	cu m/s...	Re # :	540.
Gap # 8 ... Flow Rate :	1.3336E-05	cu m/s...	Re # :	531.
Gap # 9 ... Flow Rate :	1.3713E-05	cu m/s...	Re # :	546.
Gap # 10 ... Flow Rate :	1.3800E-05	cu m/s...	Re # :	549.
Gap # 11 ... Flow Rate :	1.3565E-05	cu m/s...	Re # :	540.
Gap # 12 ... Flow Rate :	1.3237E-05	cu m/s...	Re # :	527.
Gap # 13 ... Flow Rate :	-5.4126E-06	cu m/s...	Re # :	215.
Gap # 14 ... Flow Rate :	-5.4171E-06	cu m/s...	Re # :	216.
Gap # 15 ... Flow Rate :	-5.3165E-06	cu m/s...	Re # :	212.
Gap # 16 ... Flow Rate :	-5.2101E-06	cu m/s...	Re # :	207.
Gap # 17 ... Flow Rate :	-5.6550E-06	cu m/s...	Re # :	225.
Gap # 18 ... Flow Rate :	-5.6435E-06	cu m/s...	Re # :	225.
Gap # 19 ... Flow Rate :	-5.5077E-06	cu m/s...	Re # :	219.
Gap # 20 ... Flow Rate :	-5.3817E-06	cu m/s...	Re # :	214.
Gap # 21 ... Flow Rate :	-6.3335E-06	cu m/s...	Re # :	252.
Gap # 22 ... Flow Rate :	-6.6699E-06	cu m/s...	Re # :	265.
Gap # 23 ... Flow Rate :	-7.1298E-06	cu m/s...	Re # :	284.
Gap # 24 ... Flow Rate :	-7.2626E-06	cu m/s...	Re # :	289.
Gap # 25 ... Flow Rate :	-4.0728E-06	cu m/s...	Re # :	162.
Gap # 26 ... Flow Rate :	-4.1105E-06	cu m/s...	Re # :	164.
Gap # 27 ... Flow Rate :	-4.2818E-06	cu m/s...	Re # :	170.
Gap # 28 ... Flow Rate :	-4.4134E-06	cu m/s...	Re # :	176.
Gap # 29 ... Flow Rate :	-2.5903E-06	cu m/s...	Re # :	103.
Gap # 30 ... Flow Rate :	-2.6303E-06	cu m/s...	Re # :	107.
Gap # 31 ... Flow Rate :	-3.1648E-06	cu m/s...	Re # :	126.
Gap # 32 ... Flow Rate :	-3.5205E-06	cu m/s...	Re # :	140.
Gap # 33 ... Flow Rate :	-5.0623E-07	cu m/s...	Re # :	20.
Gap # 34 ... Flow Rate :	-5.5864E-07	cu m/s...	Re # :	22.
Gap # 35 ... Flow Rate :	-7.9513E-07	cu m/s...	Re # :	32.
Gap # 36 ... Flow Rate :	-9.7211E-07	cu m/s...	Re # :	33.
Gap # 37 ... Flow Rate :	-5.3001E-06	cu m/s...	Re # :	211.
Gap # 38 ... Flow Rate :	-5.5112E-06	cu m/s...	Re # :	219.
Gap # 39 ... Flow Rate :	-5.4399E-06	cu m/s...	Re # :	216.
Gap # 40 ... Flow Rate :	-5.1532E-06	cu m/s...	Re # :	205.
Gap # 41 ... Flow Rate :	-5.3139E-06	cu m/s...	Re # :	211.
Gap # 42 ... Flow Rate :	-5.3552E-06	cu m/s...	Re # :	213.
Gap # 43 ... Flow Rate :	-5.7264E-06	cu m/s...	Re # :	228.
Gap # 44 ... Flow Rate :	-6.0449E-06	cu m/s...	Re # :	241.
Gap # 45 ... Flow Rate :	-5.2691E-06	cu m/s...	Re # :	210.
Gap # 46 ... Flow Rate :	-5.5360E-06	cu m/s...	Re # :	220.
Gap # 47 ... Flow Rate :	-5.6093E-06	cu m/s...	Re # :	223.
Gap # 48 ... Flow Rate :	-5.4185E-06	cu m/s...	Re # :	216.

End of calculation.

FLOW RATE, REYNOLD # & NET FLOW BY INTERNAL PRESSURE : TEST51

Test Parameters:

Wind Velocity Of Wind Tunnel is : 7.26 m/s.

Wind Angle is : 0 degree.

Type Of Flow : UNIFORM

Mechanical Ventilation : 0.0000E+00 cu m/s. (0.00 cfm)

All Gaps Are Open.

Total North side infiltration	:	2.4244E-04	cu m/s.
Total North side exfiltration	:	0.0000E+00	cu m/s.
Total East side infiltration	:	0.0000E+00	cu m/s.
Total East side exfiltration	:	-1.1056E-04	cu m/s.
Total South side infiltration	:	7.7497E-07	cu m/s.
Total South side exfiltration	:	-4.2877E-05	cu m/s.
Total West side infiltration	:	0.0000E+00	cu m/s.
Total West side exfiltration	:	-1.0167E-04	cu m/s.

Net Flow Rate (Less Ventilation) : -1.1889E-05 cu m/s.

Gap # 1 ... Flow Rate :	1.9422E-05	cu m/s...	Re # :	773.
Gap # 2 ... Flow Rate :	1.9983E-05	cu m/s...	Re # :	795.
Gap # 3 ... Flow Rate :	2.0216E-05	cu m/s...	Re # :	804.
Gap # 4 ... Flow Rate :	1.9897E-05	cu m/s...	Re # :	792.
Gap # 5 ... Flow Rate :	2.0075E-05	cu m/s...	Re # :	799.
Gap # 6 ... Flow Rate :	2.0466E-05	cu m/s...	Re # :	814.
Gap # 7 ... Flow Rate :	2.0533E-05	cu m/s...	Re # :	817.
Gap # 8 ... Flow Rate :	2.0211E-05	cu m/s...	Re # :	804.
Gap # 9 ... Flow Rate :	2.0592E-05	cu m/s...	Re # :	819.
Gap # 10 ... Flow Rate :	2.0754E-05	cu m/s...	Re # :	826.
Gap # 11 ... Flow Rate :	2.0406E-05	cu m/s...	Re # :	812.
Gap # 12 ... Flow Rate :	1.9886E-05	cu m/s...	Re # :	791.
Gap # 13 ... Flow Rate :	-8.4546E-06	cu m/s...	Re # :	336.
Gap # 14 ... Flow Rate :	-8.3891E-06	cu m/s...	Re # :	334.
Gap # 15 ... Flow Rate :	-8.0203E-06	cu m/s...	Re # :	319.
Gap # 16 ... Flow Rate :	-7.7092E-06	cu m/s...	Re # :	307.
Gap # 17 ... Flow Rate :	-9.4171E-06	cu m/s...	Re # :	375.
Gap # 18 ... Flow Rate :	-9.1244E-06	cu m/s...	Re # :	363.
Gap # 19 ... Flow Rate :	-8.5234E-06	cu m/s...	Re # :	339.
Gap # 20 ... Flow Rate :	-8.2142E-06	cu m/s...	Re # :	327.
Gap # 21 ... Flow Rate :	-9.9606E-06	cu m/s...	Re # :	396.
Gap # 22 ... Flow Rate :	-1.0668E-05	cu m/s...	Re # :	424.
Gap # 23 ... Flow Rate :	-1.1141E-05	cu m/s...	Re # :	443.
Gap # 24 ... Flow Rate :	-1.0937E-05	cu m/s...	Re # :	435.
Gap # 25 ... Flow Rate :	-6.1755E-06	cu m/s...	Re # :	246.
Gap # 26 ... Flow Rate :	-5.9528E-06	cu m/s...	Re # :	237.
Gap # 27 ... Flow Rate :	-6.4706E-06	cu m/s...	Re # :	257.
Gap # 28 ... Flow Rate :	-7.1640E-06	cu m/s...	Re # :	285.
Gap # 29 ... Flow Rate :	-4.7040E-06	cu m/s...	Re # :	187.
Gap # 30 ... Flow Rate :	-4.2239E-06	cu m/s...	Re # :	163.
Gap # 31 ... Flow Rate :	-3.7250E-06	cu m/s...	Re # :	148.
Gap # 32 ... Flow Rate :	-3.7385E-06	cu m/s...	Re # :	149.
Gap # 33 ... Flow Rate :	3.8385E-07	cu m/s...	Re # :	15.
Gap # 34 ... Flow Rate :	3.9112E-07	cu m/s...	Re # :	16.
Gap # 35 ... Flow Rate :	-1.1698E-07	cu m/s...	Re # :	5.
Gap # 36 ... Flow Rate :	-6.0577E-07	cu m/s...	Re # :	24.
Gap # 37 ... Flow Rate :	-7.9483E-06	cu m/s...	Re # :	316.
Gap # 38 ... Flow Rate :	-8.3674E-06	cu m/s...	Re # :	333.
Gap # 39 ... Flow Rate :	-8.6093E-06	cu m/s...	Re # :	343.
Gap # 40 ... Flow Rate :	-8.4442E-06	cu m/s...	Re # :	336.
Gap # 41 ... Flow Rate :	-7.7982E-06	cu m/s...	Re # :	310.
Gap # 42 ... Flow Rate :	-8.2789E-06	cu m/s...	Re # :	329.
Gap # 43 ... Flow Rate :	-8.9755E-06	cu m/s...	Re # :	357.
Gap # 44 ... Flow Rate :	-9.2059E-06	cu m/s...	Re # :	366.
Gap # 45 ... Flow Rate :	-8.2584E-06	cu m/s...	Re # :	329.
Gap # 46 ... Flow Rate :	-9.5108E-06	cu m/s...	Re # :	359.
Gap # 47 ... Flow Rate :	-8.6769E-06	cu m/s...	Re # :	345.
Gap # 48 ... Flow Rate :	-8.5953E-06	cu m/s...	Re # :	342.

End of calculation.

FLOW RATE, REYNOLD # & NET FLOW BY INTERNAL PRESSURE : TEST62

Test Parameters:

Wind Velocity Of Wind Tunnel is : 9.99 m/s.

Wind Angle is : 0 degree.

Type Of Flow : SHEAR

Mechanical Ventilation : 0.0000E+00 cu m/s. (0.00 cfm)

All Gaps Are Open.

Total North side infiltration : 2.4904E-04 cu m/s.
 Total North side exfiltration : 0.0000E+00 cu m/s.
 Total East side infiltration : 0.0000E+00 cu m/s.
 Total East side exfiltration : -1.5051E-04 cu m/s.
 Total South side infiltration : 2.0717E-05 cu m/s.
 Total South side exfiltration : -7.6653E-07 cu m/s.
 Total West side infiltration : 0.0000E+00 cu m/s.
 Total West side exfiltration : -1.4603E-04 cu m/s.

Net Flow Rate (Less Ventilation) : -2.7549E-05 cu m/s.

Gap # 1	...Flow Rate :	2.2736E-05	cu m/s...	Re # :	905.
Gap # 2	...Flow Rate :	2.3220E-05	cu m/s...	Re # :	924.
Gap # 3	...Flow Rate :	2.3358E-05	cu m/s...	Re # :	929.
Gap # 4	...Flow Rate :	2.3013E-05	cu m/s...	Re # :	916.
Gap # 5	...Flow Rate :	2.0423E-05	cu m/s...	Re # :	813.
Gap # 6	...Flow Rate :	2.0931E-05	cu m/s...	Re # :	833.
Gap # 7	...Flow Rate :	2.0844E-05	cu m/s...	Re # :	829.
Gap # 8	...Flow Rate :	2.0246E-05	cu m/s...	Re # :	806.
Gap # 9	...Flow Rate :	1.3706E-05	cu m/s...	Re # :	744.
Gap #10	...Flow Rate :	1.8981E-05	cu m/s...	Re # :	755.
Gap #11	...Flow Rate :	1.8617E-05	cu m/s...	Re # :	741.
Gap #12	...Flow Rate :	1.7963E-05	cu m/s...	Re # :	715.
Gap #13	...Flow Rate :	-1.0902E-05	cu m/s...	Re # :	434.
Gap #14	...Flow Rate :	-1.3199E-05	cu m/s...	Re # :	525.
Gap #15	...Flow Rate :	-1.4859E-05	cu m/s...	Re # :	591.
Gap #16	...Flow Rate :	-1.4496E-05	cu m/s...	Re # :	577.
Gap #17	...Flow Rate :	-1.0023E-05	cu m/s...	Re # :	399.
Gap #18	...Flow Rate :	-1.2420E-05	cu m/s...	Re # :	494.
Gap #19	...Flow Rate :	-1.4139E-05	cu m/s...	Re # :	563.
Gap #20	...Flow Rate :	-1.3772E-05	cu m/s...	Re # :	543.
Gap #21	...Flow Rate :	-5.7684E-06	cu m/s...	Re # :	230.
Gap #22	...Flow Rate :	-1.0393E-05	cu m/s...	Re # :	414.
Gap #23	...Flow Rate :	-1.4803E-05	cu m/s...	Re # :	589.
Gap #24	...Flow Rate :	-1.5738E-05	cu m/s...	Re # :	626.
Gap #25	...Flow Rate :	-4.8362E-07	cu m/s...	Re # :	13.
Gap #26	...Flow Rate :	4.2887E-07	cu m/s...	Re # :	17.
Gap #27	...Flow Rate :	5.2678E-07	cu m/s...	Re # :	21.
Gap #28	...Flow Rate :	-2.8291E-07	cu m/s...	Re # :	11.
Gap #29	...Flow Rate :	2.0724E-06	cu m/s...	Re # :	82.
Gap #30	...Flow Rate :	2.2925E-06	cu m/s...	Re # :	91.
Gap #31	...Flow Rate :	2.3515E-06	cu m/s...	Re # :	94.
Gap #32	...Flow Rate :	2.1946E-06	cu m/s...	Re # :	87.
Gap #33	...Flow Rate :	2.7211E-06	cu m/s...	Re # :	108.
Gap #34	...Flow Rate :	2.7156E-06	cu m/s...	Re # :	108.
Gap #35	...Flow Rate :	2.7073E-06	cu m/s...	Re # :	103.
Gap #36	...Flow Rate :	2.7059E-06	cu m/s...	Re # :	108.
Gap #37	...Flow Rate :	-1.4397E-05	cu m/s...	Re # :	573.
Gap #38	...Flow Rate :	-1.4265E-05	cu m/s...	Re # :	568.
Gap #39	...Flow Rate :	-1.1904E-05	cu m/s...	Re # :	474.
Gap #40	...Flow Rate :	-9.2919E-06	cu m/s...	Re # :	370.
Gap #41	...Flow Rate :	-1.3122E-05	cu m/s...	Re # :	522.
Gap #42	...Flow Rate :	-1.3336E-05	cu m/s...	Re # :	531.
Gap #43	...Flow Rate :	-1.1215E-05	cu m/s...	Re # :	474.
Gap #44	...Flow Rate :	-1.0036E-05	cu m/s...	Re # :	401.
Gap #45	...Flow Rate :	-1.3999E-05	cu m/s...	Re # :	557.
Gap #46	...Flow Rate :	-1.3839E-05	cu m/s...	Re # :	551.
Gap #47	...Flow Rate :	-1.1334E-05	cu m/s...	Re # :	451.
Gap #48	...Flow Rate :	-3.5395E-06	cu m/s...	Re # :	340.

End of calculation.

FLOW RATE, REYNOLD # & NET FLOW BY INTERNAL PRESSURE : TEST63

Test Parameters:

Wind Velocity Of Wind Tunnel is : 9.98 m/s.

Wind Angle is : 10 degree.

Type Of Flow : SHEAR

Mechanical Ventilation : 0.0000E+00 cu m/s. (0.00 cfm)

All Gaps Are Open.

Total North side infiltration	:	2.3242E-04	cu m/s.
Total North side exfiltration	:	0.0000E+00	cu m/s.
Total East side infiltration	:	1.6123E-05	cu m/s.
Total East side exfiltration	:	-8.7191E-05	cu m/s.
Total South side infiltration	:	0.0000E+00	cu m/s.
Total South side exfiltration	:	-4.0682E-05	cu m/s.
Total West side infiltration	:	0.0000E+00	cu m/s.
Total West side exfiltration	:	-1.3531E-04	cu m/s.

Net Flow Rate (Less Ventilation) : -1.4648E-05 cu m/s.

Gap # 1 ... Flow Rate :	2.1995E-05	cu m/s...	Re # :	875.
Gap # 2 ... Flow Rate :	2.1691E-05	cu m/s...	Re # :	863.
Gap # 3 ... Flow Rate :	2.0550E-05	cu m/s...	Re # :	818.
Gap # 4 ... Flow Rate :	1.9685E-05	cu m/s...	Re # :	783.
Gap # 5 ... Flow Rate :	2.0046E-05	cu m/s...	Re # :	798.
Gap # 6 ... Flow Rate :	2.0001E-05	cu m/s...	Re # :	796.
Gap # 7 ... Flow Rate :	1.9231E-05	cu m/s...	Re # :	765.
Gap # 8 ... Flow Rate :	1.8484E-05	cu m/s...	Re # :	735.
Gap # 9 ... Flow Rate :	1.8330E-05	cu m/s...	Re # :	729.
Gap #10 ... Flow Rate :	1.8253E-05	cu m/s...	Re # :	726.
Gap #11 ... Flow Rate :	1.7452E-05	cu m/s...	Re # :	694.
Gap #12 ... Flow Rate :	1.6702E-05	cu m/s...	Re # :	665.
Gap #13 ... Flow Rate :	2.8371E-06	cu m/s...	Re # :	113.
Gap #14 ... Flow Rate :	-5.1321E-06	cu m/s...	Re # :	204.
Gap #15 ... Flow Rate :	-1.3451E-05	cu m/s...	Re # :	535.
Gap #16 ... Flow Rate :	-1.6762E-05	cu m/s...	Re # :	667.
Gap #17 ... Flow Rate :	3.5530E-06	cu m/s...	Re # :	141.
Gap #18 ... Flow Rate :	-3.1010E-06	cu m/s...	Re # :	123.
Gap #19 ... Flow Rate :	-1.2133E-05	cu m/s...	Re # :	483.
Gap #20 ... Flow Rate :	-1.5908E-05	cu m/s...	Re # :	633.
Gap #21 ... Flow Rate :	5.6241E-06	cu m/s...	Re # :	224.
Gap #22 ... Flow Rate :	4.1026E-06	cu m/s...	Re # :	163.
Gap #23 ... Flow Rate :	-7.8861E-06	cu m/s...	Re # :	314.
Gap #24 ... Flow Rate :	-1.2818E-05	cu m/s...	Re # :	510.
Gap #25 ... Flow Rate :	-5.4728E-06	cu m/s...	Re # :	218.
Gap #26 ... Flow Rate :	-5.0803E-06	cu m/s...	Re # :	202.
Gap #27 ... Flow Rate :	-4.4490E-06	cu m/s...	Re # :	177.
Gap #28 ... Flow Rate :	-4.2230E-06	cu m/s...	Re # :	168.
Gap #29 ... Flow Rate :	-3.2535E-06	cu m/s...	Re # :	129.
Gap #30 ... Flow Rate :	-2.9143E-06	cu m/s...	Re # :	116.
Gap #31 ... Flow Rate :	-2.7624E-06	cu m/s...	Re # :	110.
Gap #32 ... Flow Rate :	-2.9623E-06	cu m/s...	Re # :	118.
Gap #33 ... Flow Rate :	-2.8178E-06	cu m/s...	Re # :	112.
Gap #34 ... Flow Rate :	-2.6726E-06	cu m/s...	Re # :	106.
Gap #35 ... Flow Rate :	-2.2056E-06	cu m/s...	Re # :	88.
Gap #36 ... Flow Rate :	-1.8682E-06	cu m/s...	Re # :	74.
Gap #37 ... Flow Rate :	-1.0994E-05	cu m/s...	Re # :	437.
Gap #38 ... Flow Rate :	-1.1236E-05	cu m/s...	Re # :	447.
Gap #39 ... Flow Rate :	-1.1195E-05	cu m/s...	Re # :	445.
Gap #40 ... Flow Rate :	-1.0911E-05	cu m/s...	Re # :	434.
Gap #41 ... Flow Rate :	-1.0544E-05	cu m/s...	Re # :	420.
Gap #42 ... Flow Rate :	-1.0842E-05	cu m/s...	Re # :	431.
Gap #43 ... Flow Rate :	-1.1292E-05	cu m/s...	Re # :	449.
Gap #44 ... Flow Rate :	-1.1448E-05	cu m/s...	Re # :	456.
Gap #45 ... Flow Rate :	-1.1635E-05	cu m/s...	Re # :	463.
Gap #46 ... Flow Rate :	-1.1848E-05	cu m/s...	Re # :	471.
Gap #47 ... Flow Rate :	-1.1811E-05	cu m/s...	Re # :	470.
Gap #48 ... Flow Rate :	-1.1559E-05	cu m/s...	Re # :	460.

End of calculation.

FLOW RATE, REYNOLD, & NET FLOW BY INTERNAL PRESSURE : TEST64

Test Parameters:

Wind Velocity Of Wind Tunnel is : 10.03 m/s.

Wind Angle is : 20 degree.

Type Of Flow : SHEAR

Mechanical Ventilation : 0.0000E+00 cu m/s. (0.00 cfh)

All Gaps Are Open.

Total North side infiltration	:	2.1626E-04	cu m/s.
Total North side exfiltration	:	0.0000E+00	cu m/s.
Total East side infiltration	:	5.9963E-05	cu m/s.
Total East side exfiltration	:	-6.1746E-06	cu m/s.
Total South side infiltration	:	0.0000E+00	cu m/s.
Total South side exfiltration	:	-9.4196E-05	cu m/s.
Total West side infiltration	:	0.0000E+00	cu m/s.
Total West side exfiltration	:	-1.4396E-04	cu m/s.

Net Flow Rate (Less Ventilation) : 2.6889E-05 cu m/s.

Gap # 1 ...Flow Rate :	2.1464E-05	cu m/s...	Re # :	854.
Gap # 2 ...Flow Rate :	2.0861E-05	cu m/s...	Re # :	830.
Gap # 3 ...Flow Rate :	1.8780E-05	cu m/s...	Re # :	747.
Gap # 4 ...Flow Rate :	1.7216E-05	cu m/s...	Re # :	685.
Gap # 5 ...Flow Rate :	1.9424E-05	cu m/s...	Re # :	773.
Gap # 6 ...Flow Rate :	1.9122E-05	cu m/s...	Re # :	761.
Gap # 7 ...Flow Rate :	1.7663E-05	cu m/s...	Re # :	703.
Gap # 8 ...Flow Rate :	1.6446E-05	cu m/s...	Re # :	654.
Gap # 9 ...Flow Rate :	1.7502E-05	cu m/s...	Re # :	696.
Gap #10 ...Flow Rate :	1.7124E-05	cu m/s...	Re # :	681.
Gap #11 ...Flow Rate :	1.5813E-05	cu m/s...	Re # :	629.
Gap #12 ...Flow Rate :	1.4840E-05	cu m/s...	Re # :	590.
Gap #13 ...Flow Rate :	5.2654E-06	cu m/s...	Re # :	210.
Gap #14 ...Flow Rate :	6.7376E-06	cu m/s...	Re # :	268.
Gap #15 ...Flow Rate :	3.6674E-06	cu m/s...	Re # :	146.
Gap #16 ...Flow Rate :	-3.9244E-06	cu m/s...	Re # :	156.
Gap #17 ...Flow Rate :	5.8423E-06	cu m/s...	Re # :	232.
Gap #18 ...Flow Rate :	6.8561E-06	cu m/s...	Re # :	273.
Gap #19 ...Flow Rate :	4.2199E-06	cu m/s...	Re # :	168.
Gap #20 ...Flow Rate :	-2.2502E-06	cu m/s...	Re # :	90.
Gap #21 ...Flow Rate :	6.3827E-06	cu m/s...	Re # :	254.
Gap #22 ...Flow Rate :	7.4627E-06	cu m/s...	Re # :	297.
Gap #23 ...Flow Rate :	7.3343E-06	cu m/s...	Re # :	292.
Gap #24 ...Flow Rate :	6.0951E-06	cu m/s...	Re # :	243.
Gap #25 ...Flow Rate :	-9.3186E-06	cu m/s...	Re # :	371.
Gap #26 ...Flow Rate :	-9.0111E-06	cu m/s...	Re # :	359.
Gap #27 ...Flow Rate :	-8.5006E-06	cu m/s...	Re # :	338.
Gap #28 ...Flow Rate :	-8.3021E-06	cu m/s...	Re # :	330.
Gap #29 ...Flow Rate :	-8.1373E-06	cu m/s...	Re # :	324.
Gap #30 ...Flow Rate :	-7.9875E-06	cu m/s...	Re # :	318.
Gap #31 ...Flow Rate :	-7.6146E-06	cu m/s...	Re # :	303.
Gap #32 ...Flow Rate :	-7.3889E-06	cu m/s...	Re # :	294.
Gap #33 ...Flow Rate :	-6.9656E-06	cu m/s...	Re # :	277.
Gap #34 ...Flow Rate :	-7.0955E-06	cu m/s...	Re # :	282.
Gap #35 ...Flow Rate :	-7.0337E-06	cu m/s...	Re # :	280.
Gap #36 ...Flow Rate :	-6.3401E-06	cu m/s...	Re # :	272.
Gap #37 ...Flow Rate :	-1.2099E-05	cu m/s...	Re # :	481.
Gap #38 ...Flow Rate :	-1.2268E-05	cu m/s...	Re # :	488.
Gap #39 ...Flow Rate :	-1.2752E-05	cu m/s...	Re # :	507.
Gap #40 ...Flow Rate :	-1.3063E-05	cu m/s...	Re # :	520.
Gap #41 ...Flow Rate :	-1.1662E-05	cu m/s...	Re # :	464.
Gap #42 ...Flow Rate :	-1.2042E-05	cu m/s...	Re # :	479.
Gap #43 ...Flow Rate :	-1.2849E-05	cu m/s...	Re # :	511.
Gap #44 ...Flow Rate :	-1.3273E-05	cu m/s...	Re # :	523.
Gap #45 ...Flow Rate :	-1.1539E-05	cu m/s...	Re # :	459.
Gap #46 ...Flow Rate :	-1.1905E-05	cu m/s...	Re # :	474.
Gap #47 ...Flow Rate :	-1.2559E-05	cu m/s...	Re # :	500.
Gap #48 ...Flow Rate :	-1.2849E-05	cu m/s...	Re # :	511.

End of calculation.

FLOW RATE, REYNOLD # & NET FLOW BY INTERNAL PRESSURE : TEST65

Test Parameters:

Wind Velocity Of Wind Tunnel is : 10.06 m/s.

Wind Angle is : 30 degree.

Type Of Flow : SHEAR

Mechanical Ventilation : 0.0000E+00 cu m/s. (0.00 cfh)

All Gaps Are Open.

Total North side infiltration	:	1.8786E-04	cu m/s.
Total North side exfiltration	:	0.0000E+00	cu m/s.
Total East side infiltration	:	1.2263E-04	cu m/s.
Total East side exfiltration	:	0.0000E+00	cu m/s.
Total South side infiltration	:	0.0000E+00	cu m/s.
Total South side exfiltration	:	-1.3143E-04	cu m/s.
Total West side infiltration	:	0.0000E+00	cu m/s.
Total West side exfiltration	:	-1.6318E-04	cu m/s.

Net Flow Rate (Less Ventilation) : 1.5893E-05 cu m/s.

Gap # 1 ... Flow Rate :	1.9640E-05	cu m/s...	Re # :	781.
Gap # 2 ... Flow Rate :	1.8709E-05	cu m/s...	Re # :	744.
Gap # 3 ... Flow Rate :	1.5614E-05	cu m/s...	Re # :	621.
Gap # 4 ... Flow Rate :	1.3222E-05	cu m/s...	Re # :	526.
Gap # 5 ... Flow Rate :	1.8003E-05	cu m/s...	Re # :	716.
Gap # 6 ... Flow Rate :	1.7422E-05	cu m/s...	Re # :	693.
Gap # 7 ... Flow Rate :	1.5194E-05	cu m/s...	Re # :	605.
Gap # 8 ... Flow Rate :	1.3406E-05	cu m/s...	Re # :	533.
Gap # 9 ... Flow Rate :	1.5656E-05	cu m/s...	Re # :	623.
Gap # 10 ... Flow Rate :	1.5214E-05	cu m/s...	Re # :	605.
Gap # 11 ... Flow Rate :	1.3548E-05	cu m/s...	Re # :	539.
Gap # 12 ... Flow Rate :	1.2238E-05	cu m/s...	Re # :	487.
Gap # 13 ... Flow Rate :	7.1931E-06	cu m/s...	Re # :	286.
Gap # 14 ... Flow Rate :	9.0192E-06	cu m/s...	Re # :	359.
Gap # 15 ... Flow Rate :	1.2026E-05	cu m/s...	Re # :	478.
Gap # 16 ... Flow Rate :	1.3322E-05	cu m/s...	Re # :	530.
Gap # 17 ... Flow Rate :	7.3139E-06	cu m/s...	Re # :	291.
Gap # 18 ... Flow Rate :	8.9991E-06	cu m/s...	Re # :	358.
Gap # 19 ... Flow Rate :	1.1579E-05	cu m/s...	Re # :	461.
Gap # 20 ... Flow Rate :	1.2602E-05	cu m/s...	Re # :	501.
Gap # 21 ... Flow Rate :	7.9237E-06	cu m/s...	Re # :	315.
Gap # 22 ... Flow Rate :	9.4007E-06	cu m/s...	Re # :	374.
Gap # 23 ... Flow Rate :	1.1335E-05	cu m/s...	Re # :	451.
Gap # 24 ... Flow Rate :	1.1921E-05	cu m/s...	Re # :	474.
Gap # 25 ... Flow Rate :	-1.2250E-05	cu m/s...	Re # :	487.
Gap # 26 ... Flow Rate :	-1.1961E-05	cu m/s...	Re # :	476.
Gap # 27 ... Flow Rate :	-1.1559E-05	cu m/s...	Re # :	460.
Gap # 28 ... Flow Rate :	-1.1451E-05	cu m/s...	Re # :	456.
Gap # 29 ... Flow Rate :	-1.1468E-05	cu m/s...	Re # :	456.
Gap # 30 ... Flow Rate :	-1.1351E-05	cu m/s...	Re # :	452.
Gap # 31 ... Flow Rate :	-1.1012E-05	cu m/s...	Re # :	438.
Gap # 32 ... Flow Rate :	-1.0786E-05	cu m/s...	Re # :	429.
Gap # 33 ... Flow Rate :	-9.9071E-06	cu m/s...	Re # :	394.
Gap # 34 ... Flow Rate :	-1.0033E-05	cu m/s...	Re # :	399.
Gap # 35 ... Flow Rate :	-9.9375E-06	cu m/s...	Re # :	395.
Gap # 36 ... Flow Rate :	-9.7135E-06	cu m/s...	Re # :	386.
Gap # 37 ... Flow Rate :	-1.3794E-05	cu m/s...	Re # :	549.
Gap # 38 ... Flow Rate :	-1.3876E-05	cu m/s...	Re # :	552.
Gap # 39 ... Flow Rate :	-1.4230E-05	cu m/s...	Re # :	566.
Gap # 40 ... Flow Rate :	-1.4493E-05	cu m/s...	Re # :	577.
Gap # 41 ... Flow Rate :	-1.3026E-05	cu m/s...	Re # :	513.
Gap # 42 ... Flow Rate :	-1.3332E-05	cu m/s...	Re # :	530.
Gap # 43 ... Flow Rate :	-1.4065E-05	cu m/s...	Re # :	560.
Gap # 44 ... Flow Rate :	-1.4487E-05	cu m/s...	Re # :	576.
Gap # 45 ... Flow Rate :	-1.2250E-05	cu m/s...	Re # :	487.
Gap # 46 ... Flow Rate :	-1.2527E-05	cu m/s...	Re # :	498.
Gap # 47 ... Flow Rate :	-1.3302E-05	cu m/s...	Re # :	529.
Gap # 48 ... Flow Rate :	-1.3790E-05	cu m/s...	Re # :	549.

End of calculation.

FLOW RATE, REYNOLD # & NET FLOW BY INTERNAL PRESSURE : TEST66

Test Parameters:

Wind Velocity Of Wind Tunnel is : 10.09 m/s.

Wind Angle is : 40 degree.

Type Of Flow : SHEAR

Mechanical Ventilation : 0.0000E+00 cu m/s. (0.00 cfh)

All Gaps Are Open.

Total North side infiltration	:	1.6277E-04	cu m/s.
Total North side exfiltration	:	0.0000E+00	cu m/s.
Total East side infiltration	:	1.6274E-04	cu m/s.
Total East side exfiltration	:	0.0000E+00	cu m/s.
Total South side infiltration	:	0.0000E+00	cu m/s.
Total South side exfiltration	:	-1.4838E-04	cu m/s.
Total West side infiltration	:	0.0000E+00	cu m/s.
Total West side exfiltration	:	-1.5777E-04	cu m/s.

Net Flow Rate (Less Ventilation) : 1.9351E-05 cu m/s.

Gap # 1 ... Flow Rate :	1.7210E-05	cu m/s...	Re # :	685.
Gap # 2 ... Flow Rate :	1.6291E-05	cu m/s...	Re # :	643.
Gap # 3 ... Flow Rate :	1.3072E-05	cu m/s...	Re # :	520.
Gap # 4 ... Flow Rate :	1.0457E-05	cu m/s...	Re # :	416.
Gap # 5 ... Flow Rate :	1.6121E-05	cu m/s...	Re # :	641.
Gap # 6 ... Flow Rate :	1.5322E-05	cu m/s...	Re # :	610.
Gap # 7 ... Flow Rate :	1.2863E-05	cu m/s...	Re # :	512.
Gap # 8 ... Flow Rate :	1.1056E-05	cu m/s...	Re # :	440.
Gap # 9 ... Flow Rate :	1.4375E-05	cu m/s...	Re # :	572.
Gap #10 ... Flow Rate :	1.3786E-05	cu m/s...	Re # :	549.
Gap #11 ... Flow Rate :	1.1840E-05	cu m/s...	Re # :	471.
Gap #12 ... Flow Rate :	1.0374E-05	cu m/s...	Re # :	413.
Gap #13 ... Flow Rate :	1.0888E-05	cu m/s...	Re # :	433.
Gap #14 ... Flow Rate :	1.2811E-05	cu m/s...	Re # :	510.
Gap #15 ... Flow Rate :	1.5913E-05	cu m/s...	Re # :	633.
Gap #16 ... Flow Rate :	1.7203E-05	cu m/s...	Re # :	685.
Gap #17 ... Flow Rate :	1.0873E-05	cu m/s...	Re # :	433.
Gap #18 ... Flow Rate :	1.2379E-05	cu m/s...	Re # :	493.
Gap #19 ... Flow Rate :	1.4945E-05	cu m/s...	Re # :	595.
Gap #20 ... Flow Rate :	1.6063E-05	cu m/s...	Re # :	639.
Gap #21 ... Flow Rate :	1.0739E-05	cu m/s...	Re # :	427.
Gap #22 ... Flow Rate :	1.2141E-05	cu m/s...	Re # :	483.
Gap #23 ... Flow Rate :	1.4078E-05	cu m/s...	Re # :	560.
Gap #24 ... Flow Rate :	1.4705E-05	cu m/s...	Re # :	585.
Gap #25 ... Flow Rate :	-1.3797E-05	cu m/s...	Re # :	549.
Gap #26 ... Flow Rate :	-1.3554E-05	cu m/s...	Re # :	539.
Gap #27 ... Flow Rate :	-1.3038E-05	cu m/s...	Re # :	519.
Gap #28 ... Flow Rate :	-1.2763E-05	cu m/s...	Re # :	508.
Gap #29 ... Flow Rate :	-1.2750E-05	cu m/s...	Re # :	507.
Gap #30 ... Flow Rate :	-1.2735E-05	cu m/s...	Re # :	507.
Gap #31 ... Flow Rate :	-1.2471E-05	cu m/s...	Re # :	496.
Gap #32 ... Flow Rate :	-1.2219E-05	cu m/s...	Re # :	486.
Gap #33 ... Flow Rate :	-1.1846E-05	cu m/s...	Re # :	471.
Gap #34 ... Flow Rate :	-1.1582E-05	cu m/s...	Re # :	461.
Gap #35 ... Flow Rate :	-1.0983E-05	cu m/s...	Re # :	437.
Gap #36 ... Flow Rate :	-1.0645E-05	cu m/s...	Re # :	424.
Gap #37 ... Flow Rate :	-1.3374E-05	cu m/s...	Re # :	532.
Gap #38 ... Flow Rate :	-1.3572E-05	cu m/s...	Re # :	540.
Gap #39 ... Flow Rate :	-1.4272E-05	cu m/s...	Re # :	568.
Gap #40 ... Flow Rate :	-1.4763E-05	cu m/s...	Re # :	587.
Gap #41 ... Flow Rate :	-1.2611E-05	cu m/s...	Re # :	502.
Gap #42 ... Flow Rate :	-1.3054E-05	cu m/s...	Re # :	519.
Gap #43 ... Flow Rate :	-1.3961E-05	cu m/s...	Re # :	555.
Gap #44 ... Flow Rate :	-1.4424E-05	cu m/s...	Re # :	574.
Gap #45 ... Flow Rate :	-1.1131E-05	cu m/s...	Re # :	443.
Gap #46 ... Flow Rate :	-1.1611E-05	cu m/s...	Re # :	462.
Gap #47 ... Flow Rate :	-1.2359E-05	cu m/s...	Re # :	492.
Gap #48 ... Flow Rate :	-1.2637E-05	cu m/s...	Re # :	503.

End of calculation.

FLOW RATE, REYNOLD # & NET FLOW BY INTERNAL PRESSURE : TEST67

Test Parameters:

Wind Velocity Of Wind Tunnel is : 10.03 m/s.

Wind Angle is : 45 degree.

Type Of Flow : SHEAR

Mechanical Ventilation : 0.0000E+00 cu m/s. (0.00 cfm)

All Gaps Are Open.

Total North side infiltration	:	1.4452E-04	cu m/s.
Total North side exfiltration	:	0.0000E+00	cu m/s.
Total East side infiltration	:	1.8177E-04	cu m/s.
Total East side exfiltration	:	0.0000E+00	cu m/s.
Total South side infiltration	:	0.0000E+00	cu m/s.
Total South side exfiltration	:	-1.5144E-04	cu m/s.
Total West side infiltration	:	0.0000E+00	cu m/s.
Total West side exfiltration	:	-1.5356E-04	cu m/s.

Net Flow Rate (Less Ventilation) : 2.1288E-05 cu m/s.

Gap # 1 ...Flow Rate :	1.5442E-05	cu m/s...	Re # :	614.
Gap # 2 ...Flow Rate :	1.4505E-05	cu m/s...	Re # :	577.
Gap # 3 ...Flow Rate :	1.1027E-05	cu m/s...	Re # :	439.
Gap # 4 ...Flow Rate :	8.0077E-06	cu m/s...	Re # :	319.
Gap # 5 ...Flow Rate :	1.4923E-05	cu m/s...	Re # :	594.
Gap # 6 ...Flow Rate :	1.4022E-05	cu m/s...	Re # :	553.
Gap # 7 ...Flow Rate :	1.1262E-05	cu m/s...	Re # :	443.
Gap # 8 ...Flow Rate :	9.1967E-06	cu m/s...	Re # :	366.
Gap # 9 ...Flow Rate :	1.3525E-05	cu m/s...	Re # :	538.
Gap # 10 ...Flow Rate :	1.2781E-05	cu m/s...	Re # :	509.
Gap # 11 ...Flow Rate :	1.0659E-05	cu m/s...	Re # :	424.
Gap # 12 ...Flow Rate :	9.1736E-06	cu m/s...	Re # :	365.
Gap # 13 ...Flow Rate :	1.3296E-05	cu m/s...	Re # :	529.
Gap # 14 ...Flow Rate :	1.4735E-05	cu m/s...	Re # :	586.
Gap # 15 ...Flow Rate :	1.7450E-05	cu m/s...	Re # :	694.
Gap # 16 ...Flow Rate :	1.6746E-05	cu m/s...	Re # :	746.
Gap # 17 ...Flow Rate :	1.2450E-05	cu m/s...	Re # :	495.
Gap # 18 ...Flow Rate :	1.4055E-05	cu m/s...	Re # :	559.
Gap # 19 ...Flow Rate :	1.6736E-05	cu m/s...	Re # :	666.
Gap # 20 ...Flow Rate :	1.7378E-05	cu m/s...	Re # :	711.
Gap # 21 ...Flow Rate :	1.2001E-05	cu m/s...	Re # :	477.
Gap # 22 ...Flow Rate :	1.3357E-05	cu m/s...	Re # :	531.
Gap # 23 ...Flow Rate :	1.5232E-05	cu m/s...	Re # :	606.
Gap # 24 ...Flow Rate :	1.5833E-05	cu m/s...	Re # :	630.
Gap # 25 ...Flow Rate :	-1.3874E-05	cu m/s...	Re # :	552.
Gap # 26 ...Flow Rate :	-1.3664E-05	cu m/s...	Re # :	544.
Gap # 27 ...Flow Rate :	-1.3315E-05	cu m/s...	Re # :	530.
Gap # 28 ...Flow Rate :	-1.3177E-05	cu m/s...	Re # :	524.
Gap # 29 ...Flow Rate :	-1.3204E-05	cu m/s...	Re # :	525.
Gap # 30 ...Flow Rate :	-1.3074E-05	cu m/s...	Re # :	520.
Gap # 31 ...Flow Rate :	-1.2678E-05	cu m/s...	Re # :	504.
Gap # 32 ...Flow Rate :	-1.2409E-05	cu m/s...	Re # :	494.
Gap # 33 ...Flow Rate :	-1.1903E-05	cu m/s...	Re # :	474.
Gap # 34 ...Flow Rate :	-1.1945E-05	cu m/s...	Re # :	475.
Gap # 35 ...Flow Rate :	-1.1404E-05	cu m/s...	Re # :	454.
Gap # 36 ...Flow Rate :	-1.0797E-05	cu m/s...	Re # :	430.
Gap # 37 ...Flow Rate :	-1.3061E-05	cu m/s...	Re # :	520.
Gap # 38 ...Flow Rate :	-1.3260E-05	cu m/s...	Re # :	523.
Gap # 39 ...Flow Rate :	-1.3808E-05	cu m/s...	Re # :	549.
Gap # 40 ...Flow Rate :	-1.4154E-05	cu m/s...	Re # :	563.
Gap # 41 ...Flow Rate :	-1.2585E-05	cu m/s...	Re # :	501.
Gap # 42 ...Flow Rate :	-1.2945E-05	cu m/s...	Re # :	515.
Gap # 43 ...Flow Rate :	-1.3601E-05	cu m/s...	Re # :	541.
Gap # 44 ...Flow Rate :	-1.3899E-05	cu m/s...	Re # :	553.
Gap # 45 ...Flow Rate :	-1.0898E-05	cu m/s...	Re # :	434.
Gap # 46 ...Flow Rate :	-1.1310E-05	cu m/s...	Re # :	450.
Gap # 47 ...Flow Rate :	-1.1317E-05	cu m/s...	Re # :	474.
Gap # 48 ...Flow Rate :	-1.2121E-05	cu m/s...	Re # :	482.

End of calculation.

FLOW RATE, REYNOLD # & NET FLOW BY INTERNAL PRESSURE : TEST68

Test Parameters:

Wind Velocity Of Wind Tunnel is : 10.06 m/s.

Wind Angle is : 50 degree.

Type Of Flow : SHEAR

Mechanical Ventilation : 0.0000E+00 cu m/s. (0.00 cfm)

All Gaps Are Open.

Total North side infiltration	:	1.2873E-04	cu m/s.
Total North side exfiltration	:	0.0000E+00	cu m/s.
Total East side infiltration	:	1.9469E-04	cu m/s.
Total East side exfiltration	:	0.0000E+00	cu m/s.
Total South side infiltration	:	0.0000E+00	cu m/s.
Total South side exfiltration	:	-1.5398E-04	cu m/s.
Total West side infiltration	:	0.0000E+00	cu m/s.
Total West side exfiltration	:	-1.5394E-04	cu m/s.

Net Flow Rate (Less Ventilation) : 9.5018E-06 cu m/s.

Gap # 1 ...Flow Rate :	1.3985E-05	cu m/s...	Re # :	556.
Gap # 2 ...Flow Rate :	1.3056E-05	cu m/s...	Re # :	519.
Gap # 3 ...Flow Rate :	9.3331E-06	cu m/s...	Re # :	371.
Gap # 4 ...Flow Rate :	5.8163E-06	cu m/s...	Re # :	231.
Gap # 5 ...Flow Rate :	1.3336E-05	cu m/s...	Re # :	531.
Gap # 6 ...Flow Rate :	1.2854E-05	cu m/s...	Re # :	511.
Gap # 7 ...Flow Rate :	1.0224E-05	cu m/s...	Re # :	407.
Gap # 8 ...Flow Rate :	7.6862E-06	cu m/s...	Re # :	306.
Gap # 9 ...Flow Rate :	1.2485E-05	cu m/s...	Re # :	497.
Gap #10 ...Flow Rate :	1.1793E-05	cu m/s...	Re # :	469.
Gap #11 ...Flow Rate :	9.7896E-06	cu m/s...	Re # :	390.
Gap #12 ...Flow Rate :	8.3731E-06	cu m/s...	Re # :	333.
Gap #13 ...Flow Rate :	1.4737E-05	cu m/s...	Re # :	586.
Gap #14 ...Flow Rate :	1.6181E-05	cu m/s...	Re # :	644.
Gap #15 ...Flow Rate :	1.8676E-05	cu m/s...	Re # :	743.
Gap #16 ...Flow Rate :	1.9769E-05	cu m/s...	Re # :	787.
Gap #17 ...Flow Rate :	1.4121E-05	cu m/s...	Re # :	562.
Gap #18 ...Flow Rate :	1.5433E-05	cu m/s...	Re # :	614.
Gap #19 ...Flow Rate :	1.7580E-05	cu m/s...	Re # :	699.
Gap #20 ...Flow Rate :	1.8463E-05	cu m/s...	Re # :	735.
Gap #21 ...Flow Rate :	1.3020E-05	cu m/s...	Re # :	518.
Gap #22 ...Flow Rate :	1.4301E-05	cu m/s...	Re # :	569.
Gap #23 ...Flow Rate :	1.5973E-05	cu m/s...	Re # :	636.
Gap #24 ...Flow Rate :	1.6438E-05	cu m/s...	Re # :	654.
Gap #25 ...Flow Rate :	-1.5129E-05	cu m/s...	Re # :	602.
Gap #26 ...Flow Rate :	-1.4797E-05	cu m/s...	Re # :	588.
Gap #27 ...Flow Rate :	-1.4048E-05	cu m/s...	Re # :	559.
Gap #28 ...Flow Rate :	-1.3649E-05	cu m/s...	Re # :	543.
Gap #29 ...Flow Rate :	-1.3923E-05	cu m/s...	Re # :	554.
Gap #30 ...Flow Rate :	-1.3719E-05	cu m/s...	Re # :	546.
Gap #31 ...Flow Rate :	-1.3162E-05	cu m/s...	Re # :	524.
Gap #32 ...Flow Rate :	-1.2302E-05	cu m/s...	Re # :	509.
Gap #33 ...Flow Rate :	-1.2758E-05	cu m/s...	Re # :	508.
Gap #34 ...Flow Rate :	-1.2672E-05	cu m/s...	Re # :	504.
Gap #35 ...Flow Rate :	-1.1981E-05	cu m/s...	Re # :	477.
Gap #36 ...Flow Rate :	-1.1352E-05	cu m/s...	Re # :	452.
Gap #37 ...Flow Rate :	-1.3241E-05	cu m/s...	Re # :	527.
Gap #38 ...Flow Rate :	-1.3560E-05	cu m/s...	Re # :	540.
Gap #39 ...Flow Rate :	-1.4124E-05	cu m/s...	Re # :	562.
Gap #40 ...Flow Rate :	-1.4373E-05	cu m/s...	Re # :	572.
Gap #41 ...Flow Rate :	-1.2503E-05	cu m/s...	Re # :	497.
Gap #42 ...Flow Rate :	-1.2998E-05	cu m/s...	Re # :	517.
Gap #43 ...Flow Rate :	-1.3633E-05	cu m/s...	Re # :	542.
Gap #44 ...Flow Rate :	-1.3726E-05	cu m/s...	Re # :	549.
Gap #45 ...Flow Rate :	-1.0900E-05	cu m/s...	Re # :	434.
Gap #46 ...Flow Rate :	-1.1437E-05	cu m/s...	Re # :	455.
Gap #47 ...Flow Rate :	-1.1781E-05	cu m/s...	Re # :	469.
Gap #48 ...Flow Rate :	-1.1604E-05	cu m/s...	Re # :	462.

End of calculation.

FLOW RATE, REYNOLD # & NET FLOW BY INTERNAL PRESSURE : TEST77

Test Parameters:

Wind Velocity Of Wind Tunnel is : 10.06 m/s.

Wind Angle is : 60 degree.

Type Of Flow : SHEAR

Mechanical Ventilation : 0.0000E+00 cu m/s. (0.00 cfh)

All Gaps Are Open.

Total North side infiltration	:	9.2437E-05	cu m/s.
Total North side exfiltration	:	0.0000E+00	cu m/s.
Total East side infiltration	:	2.1936E-04	cu m/s.
Total East side exfiltration	:	0.0000E+00	cu m/s.
Total South side infiltration	:	0.0000E+00	cu m/s.
Total South side exfiltration	:	-1.5664E-04	cu m/s.
Total West side infiltration	:	0.0000E+00	cu m/s.
Total West side exfiltration	:	-1.2809E-04	cu m/s.

Net Flow Rate (Less Ventilation) : 1.7060E-05 cu m/s.

Gap # 1 ... Flow Rate :	9.9460E-06	cu m/s...	Re # :	396.
Gap # 2 ... Flow Rate :	9.4876E-06	cu m/s...	Re # :	377.
Gap # 3 ... Flow Rate :	6.1219E-06	cu m/s...	Re # :	244.
Gap # 4 ... Flow Rate :	1.8232E-06	cu m/s...	Re # :	73.
Gap # 5 ... Flow Rate :	8.2478E-06	cu m/s...	Re # :	329.
Gap # 6 ... Flow Rate :	8.8212E-06	cu m/s...	Re # :	351.
Gap # 7 ... Flow Rate :	7.1938E-06	cu m/s...	Re # :	296.
Gap # 8 ... Flow Rate :	4.4370E-06	cu m/s...	Re # :	177.
Gap # 9 ... Flow Rate :	5.8910E-06	cu m/s...	Re # :	234.
Gap #10 ... Flow Rate :	7.2166E-06	cu m/s...	Re # :	297.
Gap #11 ... Flow Rate :	7.2664E-06	cu m/s...	Re # :	299.
Gap #12 ... Flow Rate :	5.9945E-06	cu m/s...	Re # :	239.
Gap #13 ... Flow Rate :	1.7581E-05	cu m/s...	Re # :	700.
Gap #14 ... Flow Rate :	1.8842E-05	cu m/s...	Re # :	750.
Gap #15 ... Flow Rate :	2.0616E-05	cu m/s...	Re # :	820.
Gap #16 ... Flow Rate :	2.1193E-05	cu m/s...	Re # :	843.
Gap #17 ... Flow Rate :	1.6817E-05	cu m/s...	Re # :	669.
Gap #18 ... Flow Rate :	1.7852E-05	cu m/s...	Re # :	710.
Gap #19 ... Flow Rate :	1.9431E-05	cu m/s...	Re # :	773.
Gap #20 ... Flow Rate :	2.0010E-05	cu m/s...	Re # :	796.
Gap #21 ... Flow Rate :	1.5484E-05	cu m/s...	Re # :	616.
Gap #22 ... Flow Rate :	1.6362E-05	cu m/s...	Re # :	651.
Gap #23 ... Flow Rate :	1.7463E-05	cu m/s...	Re # :	695.
Gap #24 ... Flow Rate :	1.7719E-05	cu m/s...	Re # :	705.
Gap #25 ... Flow Rate :	-1.4513E-05	cu m/s...	Re # :	577.
Gap #26 ... Flow Rate :	-1.4008E-05	cu m/s...	Re # :	557.
Gap #27 ... Flow Rate :	-1.3321E-05	cu m/s...	Re # :	530.
Gap #28 ... Flow Rate :	-1.3151E-05	cu m/s...	Re # :	523.
Gap #29 ... Flow Rate :	-1.3870E-05	cu m/s...	Re # :	552.
Gap #30 ... Flow Rate :	-1.3471E-05	cu m/s...	Re # :	536.
Gap #31 ... Flow Rate :	-1.2675E-05	cu m/s...	Re # :	504.
Gap #32 ... Flow Rate :	-1.2276E-05	cu m/s...	Re # :	488.
Gap #33 ... Flow Rate :	-1.3516E-05	cu m/s...	Re # :	538.
Gap #34 ... Flow Rate :	-1.2797E-05	cu m/s...	Re # :	509.
Gap #35 ... Flow Rate :	-1.1699E-05	cu m/s...	Re # :	466.
Gap #36 ... Flow Rate :	-1.1345E-05	cu m/s...	Re # :	451.
Gap #37 ... Flow Rate :	-1.1060E-05	cu m/s...	Re # :	440.
Gap #38 ... Flow Rate :	-1.1309E-05	cu m/s...	Re # :	450.
Gap #39 ... Flow Rate :	-1.1890E-05	cu m/s...	Re # :	473.
Gap #40 ... Flow Rate :	-1.2219E-05	cu m/s...	Re # :	486.
Gap #41 ... Flow Rate :	-1.0496E-05	cu m/s...	Re # :	417.
Gap #42 ... Flow Rate :	-1.0838E-05	cu m/s...	Re # :	431.
Gap #43 ... Flow Rate :	-1.1168E-05	cu m/s...	Re # :	444.
Gap #44 ... Flow Rate :	-1.1155E-05	cu m/s...	Re # :	444.
Gap #45 ... Flow Rate :	9.2795E-06	cu m/s...	Re # :	369.
Gap #46 ... Flow Rate :	-9.5053E-06	cu m/s...	Re # :	378.
Gap #47 ... Flow Rate :	-9.6382E-06	cu m/s...	Re # :	383.
Gap #48 ... Flow Rate :	-9.5484E-06	cu m/s...	Re # :	380.

End of calculation.

FLOW RATE, REYNOLD # & NET FLOW BY INTERNAL PRESSURE : TEST78

Test Parameters:

Wind Velocity Of Wind Tunnel is : 10.02 m/s.

Wind Angle is : 70 degree.

Type Of Flow : SHEAR

Mechanical Ventilation : 0.0000E+00 cu m/s. (0.00 cfm)

All Gaps Are Open.

Total North side infiltration	:	2.5324E-05	cu m/s.
Total North side exfiltration	:	-5.2906E-05	cu m/s.
Total East side infiltration	:	2.4487E-04	cu m/s.
Total East side exfiltration	:	0.0000E+00	cu m/s.
Total South side infiltration	:	0.0000E+00	cu m/s.
Total South side exfiltration	:	-1.4247E-04	cu m/s.
Total West side infiltration	:	0.0000E+00	cu m/s.
Total West side exfiltration	:	-9.1860E-05	cu m/s.

Net Flow Rate (Less Ventilation) : -1.7033E-05 cu m/s.

Gap # 1 ... Flow Rate :	-1.3303E-05	cu m/s...	Re # :	529.
Gap # 2 ... Flow Rate :	-6.5347E-06	cu m/s...	Re # :	260.
Gap # 3 ... Flow Rate :	4.9356E-06	cu m/s...	Re # :	196.
Gap # 4 ... Flow Rate :	2.4588E-06	cu m/s...	Re # :	96.
Gap # 5 ... Flow Rate :	-1.2622E-05	cu m/s...	Re # :	502.
Gap # 6 ... Flow Rate :	-7.0583E-06	cu m/s...	Re # :	281.
Gap # 7 ... Flow Rate :	4.2364E-06	cu m/s...	Re # :	169.
Gap # 8 ... Flow Rate :	4.0585E-06	cu m/s...	Re # :	161.
Gap # 9 ... Flow Rate :	-8.8401E-06	cu m/s...	Re # :	352.
Gap #10 ... Flow Rate :	-4.5485E-06	cu m/s...	Re # :	181.
Gap #11 ... Flow Rate :	4.3833E-06	cu m/s...	Re # :	175.
Gap #12 ... Flow Rate :	5.2468E-06	cu m/s...	Re # :	209.
Gap #13 ... Flow Rate :	2.1565E-05	cu m/s...	Re # :	858.
Gap #14 ... Flow Rate :	2.2071E-05	cu m/s...	Re # :	878.
Gap #15 ... Flow Rate :	2.2900E-05	cu m/s...	Re # :	911.
Gap #16 ... Flow Rate :	2.3230E-05	cu m/s...	Re # :	924.
Gap #17 ... Flow Rate :	1.9781E-05	cu m/s...	Re # :	787.
Gap #18 ... Flow Rate :	2.0323E-05	cu m/s...	Re # :	809.
Gap #19 ... Flow Rate :	2.0761E-05	cu m/s...	Re # :	826.
Gap #20 ... Flow Rate :	2.0668E-05	cu m/s...	Re # :	822.
Gap #21 ... Flow Rate :	1.7714E-05	cu m/s...	Re # :	705.
Gap #22 ... Flow Rate :	1.8328E-05	cu m/s...	Re # :	729.
Gap #23 ... Flow Rate :	1.8819E-05	cu m/s...	Re # :	749.
Gap #24 ... Flow Rate :	1.8713E-05	cu m/s...	Re # :	745.
Gap #25 ... Flow Rate :	-1.2237E-05	cu m/s...	Re # :	487.
Gap #26 ... Flow Rate :	-1.1926E-05	cu m/s...	Re # :	475.
Gap #27 ... Flow Rate :	-1.1443E-05	cu m/s...	Re # :	455.
Gap #28 ... Flow Rate :	-1.1272E-05	cu m/s...	Re # :	443.
Gap #29 ... Flow Rate :	-1.2732E-05	cu m/s...	Re # :	507.
Gap #30 ... Flow Rate :	-1.2212E-05	cu m/s...	Re # :	486.
Gap #31 ... Flow Rate :	-1.1291E-05	cu m/s...	Re # :	449.
Gap #32 ... Flow Rate :	-1.0897E-05	cu m/s...	Re # :	434.
Gap #33 ... Flow Rate :	-1.2810E-05	cu m/s...	Re # :	510.
Gap #34 ... Flow Rate :	-1.2482E-05	cu m/s...	Re # :	497.
Gap #35 ... Flow Rate :	-1.1773E-05	cu m/s...	Re # :	468.
Gap #36 ... Flow Rate :	-1.1390E-05	cu m/s...	Re # :	453.
Gap #37 ... Flow Rate :	-8.2666E-06	cu m/s...	Re # :	329.
Gap #38 ... Flow Rate :	-8.4521E-06	cu m/s...	Re # :	336.
Gap #39 ... Flow Rate :	-8.8533E-06	cu m/s...	Re # :	352.
Gap #40 ... Flow Rate :	-9.0631E-06	cu m/s...	Re # :	361.
Gap #41 ... Flow Rate :	-7.5450E-06	cu m/s...	Re # :	300.
Gap #42 ... Flow Rate :	-7.7725E-06	cu m/s...	Re # :	309.
Gap #43 ... Flow Rate :	-7.7419E-06	cu m/s...	Re # :	308.
Gap #44 ... Flow Rate :	-7.4824E-06	cu m/s...	Re # :	298.
Gap #45 ... Flow Rate :	-6.5068E-06	cu m/s...	Re # :	259.
Gap #46 ... Flow Rate :	-6.7028E-06	cu m/s...	Re # :	267.
Gap #47 ... Flow Rate :	-6.7882E-06	cu m/s...	Re # :	270.
Gap #48 ... Flow Rate :	-6.6802E-06	cu m/s...	Re # :	266.

End of calculation.

FLOW RATE, REYNOLD # & NET FLOW BY INTERNAL PRESSURE : TEST79

Test Parameters:

Wind Velocity Of Wind Tunnel is : 10.09 m/s.

Wind Angle is : 30 degree.

Type Of Flow : SHEAR

Mechanical Ventilation : 0.0000E+00 cu m/s. (0.00 cfh)

All Gaps Are Open.

Total North side infiltration : 0.0000E+00 cu m/s.
Total North side exfiltration : -1.3118E-04 cu m/s.
Total East side infiltration : 2.5672E-04 cu m/s.
Total East side exfiltration : 0.0000E+00 cu m/s.
Total South side infiltration : 0.0000E+00 cu m/s.
Total South side exfiltration : -1.3537E-04 cu m/s.
Total West side infiltration : 0.0000E+00 cu m/s.
Total West side exfiltration : -3.6404E-05 cu m/s.

Net Flow Rate (Less Ventilation) : -4.6240E-05 cu m/s.

Gap # 1	Flow Rate	: -1.9088E-05	cu m/s...	Re #	: 759.
Gap # 2	Flow Rate	: -1.5689E-05	cu m/s...	Re #	: 624.
Gap # 3	Flow Rate	: -8.2123E-06	cu m/s...	Re #	: 327.
Gap # 4	Flow Rate	: -3.4278E-06	cu m/s...	Re #	: 136.
Gap # 5	Flow Rate	: -1.6394E-05	cu m/s...	Re #	: 652.
Gap # 6	Flow Rate	: -1.4726E-05	cu m/s...	Re #	: 586.
Gap # 7	Flow Rate	: -9.8202E-06	cu m/s...	Re #	: 391.
Gap # 8	Flow Rate	: -5.7779E-06	cu m/s...	Re #	: 230.
Gap # 9	Flow Rate	: -1.5639E-05	cu m/s...	Re #	: 622.
Gap # 10	Flow Rate	: -1.3593E-05	cu m/s...	Re #	: 541.
Gap # 11	Flow Rate	: -7.4924E-06	cu m/s...	Re #	: 298.
Gap # 12	Flow Rate	: -1.3191E-06	cu m/s...	Re #	: 52.
Gap # 13	Flow Rate	: 2.3687E-05	cu m/s...	Re #	: 942.
Gap # 14	Flow Rate	: 2.3860E-05	cu m/s...	Re #	: 949.
Gap # 15	Flow Rate	: 2.3647E-05	cu m/s...	Re #	: 941.
Gap # 16	Flow Rate	: 2.3256E-05	cu m/s...	Re #	: 925.
Gap # 17	Flow Rate	: 2.1513E-05	cu m/s...	Re #	: 856.
Gap # 18	Flow Rate	: 2.1652E-05	cu m/s...	Re #	: 861.
Gap # 19	Flow Rate	: 2.1570E-05	cu m/s...	Re #	: 858.
Gap # 20	Flow Rate	: 2.1349E-05	cu m/s...	Re #	: 849.
Gap # 21	Flow Rate	: 1.8680E-05	cu m/s...	Re #	: 751.
Gap # 22	Flow Rate	: 1.9487E-05	cu m/s...	Re #	: 775.
Gap # 23	Flow Rate	: 1.9307E-05	cu m/s...	Re #	: 768.
Gap # 24	Flow Rate	: 1.9509E-05	cu m/s...	Re #	: 736.
Gap # 25	Flow Rate	: -1.1184E-05	cu m/s...	Re #	: 445.
Gap # 26	Flow Rate	: -1.1182E-05	cu m/s...	Re #	: 445.
Gap # 27	Flow Rate	: -1.0855E-05	cu m/s...	Re #	: 432.
Gap # 28	Flow Rate	: -1.0523E-05	cu m/s...	Re #	: 419.
Gap # 29	Flow Rate	: -1.1298E-05	cu m/s...	Re #	: 450.
Gap # 30	Flow Rate	: -1.1421E-05	cu m/s...	Re #	: 454.
Gap # 31	Flow Rate	: -1.0915E-05	cu m/s...	Re #	: 434.
Gap # 32	Flow Rate	: -1.0257E-05	cu m/s...	Re #	: 408.
Gap # 33	Flow Rate	: -1.0908E-05	cu m/s...	Re #	: 434.
Gap # 34	Flow Rate	: -1.2121E-05	cu m/s...	Re #	: 482.
Gap # 35	Flow Rate	: -1.2658E-05	cu m/s...	Re #	: 504.
Gap # 36	Flow Rate	: -1.2049E-05	cu m/s...	Re #	: 479.
Gap # 37	Flow Rate	: -3.9015E-06	cu m/s...	Re #	: 155.
Gap # 38	Flow Rate	: -4.1961E-06	cu m/s...	Re #	: 167.
Gap # 39	Flow Rate	: -4.5727E-06	cu m/s...	Re #	: 182.
Gap # 40	Flow Rate	: -4.6645E-06	cu m/s...	Re #	: 186.
Gap # 41	Flow Rate	: -3.4172E-06	cu m/s...	Re #	: 136.
Gap # 42	Flow Rate	: -3.2029E-06	cu m/s...	Re #	: 127.
Gap # 43	Flow Rate	: -2.3239E-06	cu m/s...	Re #	: 92.
Gap # 44	Flow Rate	: -1.5804E-06	cu m/s...	Re #	: 63.
Gap # 45	Flow Rate	: -2.4844E-06	cu m/s...	Re #	: 99.
Gap # 46	Flow Rate	: -2.2804E-06	cu m/s...	Re #	: 91.
Gap # 47	Flow Rate	: -1.9505E-06	cu m/s...	Re #	: 78.
Gap # 48	Flow Rate	: -1.3295E-06	cu m/s...	Re #	: 73.

End of calculation.

FLOW RATE, REYNOLD # & NET FLOW BY INTERNAL PRESSURE : TEST80

Test Parameters:

Wind Velocity Of Wind Tunnel is : 10.04 m/s.

Wind Angle is : 90 degree.

Type Of Flow : SHEAR

Mechanical Ventilation : 0.0000E+00 cu m/s. (0.00 cfm)

All Gaps Are Open.

Total North side infiltration	:	0.0000E+00	cu m/s.
Total North side exfiltration	:	-1.5584E-04	cu m/s.
Total East side infiltration	:	2.5576E-04	cu m/s.
Total East side exfiltration	:	0.0000E+00	cu m/s.
Total South side infiltration	:	0.0000E+00	cu m/s.
Total South side exfiltration	:	-1.5960E-04	cu m/s.
Total West side infiltration	:	1.9918E-05	cu m/s.
Total West side exfiltration	:	-8.3248E-07	cu m/s.

Net Flow Rate (Less Ventilation) : -3.9645E-05 cu m/s.

Gap # 1 ... Flow Rate :	-1.5362E-05	cu m/s...	Re # :	611.
Gap # 2 ... Flow Rate :	-1.4897E-05	cu m/s...	Re # :	593.
Gap # 3 ... Flow Rate :	-1.3138E-05	cu m/s...	Re # :	523.
Gap # 4 ... Flow Rate :	-1.1749E-05	cu m/s...	Re # :	467.
Gap # 5 ... Flow Rate :	-1.3857E-05	cu m/s...	Re # :	520.
Gap # 6 ... Flow Rate :	-1.3557E-05	cu m/s...	Re # :	539.
Gap # 7 ... Flow Rate :	-1.3053E-05	cu m/s...	Re # :	519.
Gap # 8 ... Flow Rate :	-1.2001E-05	cu m/s...	Re # :	478.
Gap # 9 ... Flow Rate :	-1.4517E-05	cu m/s...	Re # :	578.
Gap # 10 ... Flow Rate :	-1.4238E-05	cu m/s...	Re # :	567.
Gap # 11 ... Flow Rate :	-1.1563E-05	cu m/s...	Re # :	460.
Gap # 12 ... Flow Rate :	-8.7089E-06	cu m/s...	Re # :	347.
Gap # 13 ... Flow Rate :	2.3489E-05	cu m/s...	Re # :	935.
Gap # 14 ... Flow Rate :	2.3829E-05	cu m/s...	Re # :	948.
Gap # 15 ... Flow Rate :	2.3654E-05	cu m/s...	Re # :	941.
Gap # 16 ... Flow Rate :	2.3133E-05	cu m/s...	Re # :	920.
Gap # 17 ... Flow Rate :	2.2262E-05	cu m/s...	Re # :	836.
Gap # 18 ... Flow Rate :	2.2103E-05	cu m/s...	Re # :	879.
Gap # 19 ... Flow Rate :	2.1148E-05	cu m/s...	Re # :	841.
Gap # 20 ... Flow Rate :	2.0326E-05	cu m/s...	Re # :	809.
Gap # 21 ... Flow Rate :	1.9431E-05	cu m/s...	Re # :	773.
Gap # 22 ... Flow Rate :	1.9585E-05	cu m/s...	Re # :	779.
Gap # 23 ... Flow Rate :	1.8857E-05	cu m/s...	Re # :	750.
Gap # 24 ... Flow Rate :	1.7941E-05	cu m/s...	Re # :	714.
Gap # 25 ... Flow Rate :	-1.0730E-05	cu m/s...	Re # :	429.
Gap # 26 ... Flow Rate :	-1.3252E-05	cu m/s...	Re # :	527.
Gap # 27 ... Flow Rate :	-1.5213E-05	cu m/s...	Re # :	605.
Gap # 28 ... Flow Rate :	-1.5022E-05	cu m/s...	Re # :	598.
Gap # 29 ... Flow Rate :	-1.0626E-05	cu m/s...	Re # :	423.
Gap # 30 ... Flow Rate :	-1.2782E-05	cu m/s...	Re # :	509.
Gap # 31 ... Flow Rate :	-1.4646E-05	cu m/s...	Re # :	583.
Gap # 32 ... Flow Rate :	-1.4609E-05	cu m/s...	Re # :	581.
Gap # 33 ... Flow Rate :	-7.6235E-06	cu m/s...	Re # :	303.
Gap # 34 ... Flow Rate :	-1.1533E-05	cu m/s...	Re # :	459.
Gap # 35 ... Flow Rate :	-1.5729E-05	cu m/s...	Re # :	626.
Gap # 36 ... Flow Rate :	-1.6732E-05	cu m/s...	Re # :	668.
Gap # 37 ... Flow Rate :	-7.3477E-07	cu m/s...	Re # :	29.
Gap # 38 ... Flow Rate :	-1.1914E-07	cu m/s...	Re # :	5.
Gap # 39 ... Flow Rate :	2.6191E-07	cu m/s...	Re # :	10.
Gap # 40 ... Flow Rate :	-2.9566E-08	cu m/s...	Re # :	1.
Gap # 41 ... Flow Rate :	1.4451E-06	cu m/s...	Re # :	57.
Gap # 42 ... Flow Rate :	2.3957E-06	cu m/s...	Re # :	95.
Gap # 43 ... Flow Rate :	2.5535E-06	cu m/s...	Re # :	102.
Gap # 44 ... Flow Rate :	1.8136E-06	cu m/s...	Re # :	72.
Gap # 45 ... Flow Rate :	2.6920E-06	cu m/s...	Re # :	107.
Gap # 46 ... Flow Rate :	3.0108E-06	cu m/s...	Re # :	120.
Gap # 47 ... Flow Rate :	3.0245E-06	cu m/s...	Re # :	120.
Gap # 48 ... Flow Rate :	2.7209E-06	cu m/s...	Re # :	108.

End of calculation.

FLOW RATE, REYNOLD # & NET FLOW BY INTERNAL PRESSURE : TEST81

Test Parameters:

Wind Velocity Of Wind Tunnel is : 10.09 m/s.

Wind Angle is : 120 degree.

Type Of Flow : SHEAR

Mechanical Ventilation : 0.0000E+00 cu m/s. (0.00 cfm)

All Gaps Are Open.

Total North side infiltration	:	0.0000E+00	cu m/s.
Total North side exfiltration	:	-1.6523E-04	cu m/s.
Total East side infiltration	:	1.8934E-04	cu m/s.
Total East side exfiltration	:	0.0000E+00	cu m/s.
Total South side infiltration	:	1.1741E-04	cu m/s.
Total South side exfiltration	:	0.0000E+00	cu m/s.
Total West side infiltration	:	0.0000E+00	cu m/s.
Total West side exfiltration	:	-1.3378E-04	cu m/s.

Net Flow Rate (Less Ventilation) : 7.7403E-06 cu m/s.

Gap # 1 ... Flow Rate :	-1.4183E-05	cu m/s...	Re # :	564.
Gap # 2 ... Flow Rate :	-1.4146E-05	cu m/s...	Re # :	563.
Gap # 3 ... Flow Rate :	-1.4421E-05	cu m/s...	Re # :	574.
Gap # 4 ... Flow Rate :	-1.4727E-05	cu m/s...	Re # :	586.
Gap # 5 ... Flow Rate :	-1.3201E-05	cu m/s...	Re # :	525.
Gap # 6 ... Flow Rate :	-1.3571E-05	cu m/s...	Re # :	540.
Gap # 7 ... Flow Rate :	-1.4335E-05	cu m/s...	Re # :	570.
Gap # 8 ... Flow Rate :	-1.4728E-05	cu m/s...	Re # :	586.
Gap # 9 ... Flow Rate :	-1.2073E-05	cu m/s...	Re # :	480.
Gap # 10 ... Flow Rate :	-1.2501E-05	cu m/s...	Re # :	497.
Gap # 11 ... Flow Rate :	-1.3426E-05	cu m/s...	Re # :	534.
Gap # 12 ... Flow Rate :	-1.3919E-05	cu m/s...	Re # :	554.
Gap # 13 ... Flow Rate :	2.0016E-05	cu m/s...	Re # :	796.
Gap # 14 ... Flow Rate :	1.8840E-05	cu m/s...	Re # :	750.
Gap # 15 ... Flow Rate :	1.6269E-05	cu m/s...	Re # :	647.
Gap # 16 ... Flow Rate :	1.4843E-05	cu m/s...	Re # :	591.
Gap # 17 ... Flow Rate :	1.8282E-05	cu m/s...	Re # :	727.
Gap # 18 ... Flow Rate :	1.7272E-05	cu m/s...	Re # :	687.
Gap # 19 ... Flow Rate :	1.4758E-05	cu m/s...	Re # :	587.
Gap # 20 ... Flow Rate :	1.3180E-05	cu m/s...	Re # :	524.
Gap # 21 ... Flow Rate :	1.6163E-05	cu m/s...	Re # :	643.
Gap # 22 ... Flow Rate :	1.5444E-05	cu m/s...	Re # :	614.
Gap # 23 ... Flow Rate :	1.3050E-05	cu m/s...	Re # :	519.
Gap # 24 ... Flow Rate :	1.1220E-05	cu m/s...	Re # :	446.
Gap # 25 ... Flow Rate :	6.5638E-06	cu m/s...	Re # :	261.
Gap # 26 ... Flow Rate :	8.6704E-06	cu m/s...	Re # :	345.
Gap # 27 ... Flow Rate :	1.1474E-05	cu m/s...	Re # :	457.
Gap # 28 ... Flow Rate :	1.2422E-05	cu m/s...	Re # :	494.
Gap # 29 ... Flow Rate :	6.0882E-06	cu m/s...	Re # :	242.
Gap # 30 ... Flow Rate :	8.4752E-06	cu m/s...	Re # :	337.
Gap # 31 ... Flow Rate :	1.1431E-05	cu m/s...	Re # :	455.
Gap # 32 ... Flow Rate :	1.2344E-05	cu m/s...	Re # :	491.
Gap # 33 ... Flow Rate :	7.6587E-06	cu m/s...	Re # :	305.
Gap # 34 ... Flow Rate :	9.0639E-06	cu m/s...	Re # :	361.
Gap # 35 ... Flow Rate :	1.1199E-05	cu m/s...	Re # :	446.
Gap # 36 ... Flow Rate :	1.2023E-05	cu m/s...	Re # :	478.
Gap # 37 ... Flow Rate :	-1.2623E-05	cu m/s...	Re # :	502.
Gap # 38 ... Flow Rate :	-1.2254E-05	cu m/s...	Re # :	488.
Gap # 39 ... Flow Rate :	-1.1790E-05	cu m/s...	Re # :	469.
Gap # 40 ... Flow Rate :	-1.1704E-05	cu m/s...	Re # :	466.
Gap # 41 ... Flow Rate :	-1.1738E-05	cu m/s...	Re # :	467.
Gap # 42 ... Flow Rate :	-1.1646E-05	cu m/s...	Re # :	463.
Gap # 43 ... Flow Rate :	-1.1195E-05	cu m/s...	Re # :	445.
Gap # 44 ... Flow Rate :	-1.0627E-05	cu m/s...	Re # :	431.
Gap # 45 ... Flow Rate :	-9.9085E-06	cu m/s...	Re # :	394.
Gap # 46 ... Flow Rate :	-1.0135E-05	cu m/s...	Re # :	403.
Gap # 47 ... Flow Rate :	-1.0107E-05	cu m/s...	Re # :	402.
Gap # 48 ... Flow Rate :	-9.8515E-06	cu m/s...	Re # :	392.

End of calculation.

FLOW RATE, REYNOLD # & NET FLOW BY INTERNAL PRESSURE : TEST82

Test Parameters:

Wind Velocity Of Wind Tunnel is : 9.98 m/s.

Wind Angle is : 150 degree.

Type Of Flow : SHEAR

Mechanical Ventilation : 0.0000E+00 cu m/s. (0.00 cfm)

All Gaps Are Open.

Total North side infiltration : 0.0000E+00 cu m/s.
Total North side exfiltration : -1.3281E-04 cu m/s.
Total East side infiltration : 9.7219E-05 cu m/s.
Total East side exfiltration : 0.0000E+00 cu m/s.
Total South side infiltration : 2.1600E-04 cu m/s.
Total South side exfiltration : 0.0000E+00 cu m/s.
Total West side infiltration : 0.0000E+00 cu m/s.
Total West side exfiltration : -1.5585E-04 cu m/s.

Net Flow Rate (Less Ventilation) : 1.4555E-05 cu m/s.

Gap # 1	...Flow Rate :	-1.1613E-05	cu m/s...	Re # :	462.
Gap # 2	...Flow Rate :	-1.1730E-05	cu m/s...	Re # :	467.
Gap # 3	...Flow Rate :	-1.2291E-05	cu m/s...	Re # :	489.
Gap # 4	...Flow Rate :	-1.2723E-05	cu m/s...	Re # :	506.
Gap # 5	...Flow Rate :	-1.1098E-05	cu m/s...	Re # :	442.
Gap # 6	...Flow Rate :	-1.1198E-05	cu m/s...	Re # :	446.
Gap # 7	...Flow Rate :	-1.1480E-05	cu m/s...	Re # :	457.
Gap # 8	...Flow Rate :	-1.1659E-05	cu m/s...	Re # :	464.
Gap # 9	...Flow Rate :	-9.4629E-06	cu m/s...	Re # :	377.
Gap # 10	...Flow Rate :	-9.8156E-06	cu m/s...	Re # :	391.
Gap # 11	...Flow Rate :	-9.9667E-06	cu m/s...	Re # :	397.
Gap # 12	...Flow Rate :	-9.7715E-06	cu m/s...	Re # :	389.
Gap # 13	...Flow Rate :	1.0754E-05	cu m/s...	Re # :	428.
Gap # 14	...Flow Rate :	9.6915E-06	cu m/s...	Re # :	386.
Gap # 15	...Flow Rate :	7.2453E-06	cu m/s...	Re # :	288.
Gap # 16	...Flow Rate :	5.7770E-06	cu m/s...	Re # :	230.
Gap # 17	...Flow Rate :	8.7811E-06	cu m/s...	Re # :	349.
Gap # 18	...Flow Rate :	8.6440E-06	cu m/s...	Re # :	344.
Gap # 19	...Flow Rate :	6.6187E-06	cu m/s...	Re # :	263.
Gap # 20	...Flow Rate :	4.2824E-06	cu m/s...	Re # :	170.
Gap # 21	...Flow Rate :	6.8620E-06	cu m/s...	Re # :	273.
Gap # 22	...Flow Rate :	7.5759E-06	cu m/s...	Re # :	301.
Gap # 23	...Flow Rate :	6.5326E-06	cu m/s...	Re # :	260.
Gap # 24	...Flow Rate :	4.4539E-06	cu m/s...	Re # :	177.
Gap # 25	...Flow Rate :	1.7346E-05	cu m/s...	Re # :	690.
Gap # 26	...Flow Rate :	1.8452E-05	cu m/s...	Re # :	734.
Gap # 27	...Flow Rate :	2.0497E-05	cu m/s...	Re # :	816.
Gap # 28	...Flow Rate :	2.1448E-05	cu m/s...	Re # :	853.
Gap # 29	...Flow Rate :	1.5832E-05	cu m/s...	Re # :	630.
Gap # 30	...Flow Rate :	1.7392E-05	cu m/s...	Re # :	692.
Gap # 31	...Flow Rate :	1.9430E-05	cu m/s...	Re # :	773.
Gap # 32	...Flow Rate :	2.0001E-05	cu m/s...	Re # :	796.
Gap # 33	...Flow Rate :	1.4986E-05	cu m/s...	Re # :	596.
Gap # 34	...Flow Rate :	1.5959E-05	cu m/s...	Re # :	635.
Gap # 35	...Flow Rate :	1.7181E-05	cu m/s...	Re # :	684.
Gap # 36	...Flow Rate :	1.7473E-05	cu m/s...	Re # :	695.
Gap # 37	...Flow Rate :	-1.3705E-05	cu m/s...	Re # :	545.
Gap # 38	...Flow Rate :	-1.3717E-05	cu m/s...	Re # :	546.
Gap # 39	...Flow Rate :	-1.3479E-05	cu m/s...	Re # :	536.
Gap # 40	...Flow Rate :	-1.3225E-05	cu m/s...	Re # :	526.
Gap # 41	...Flow Rate :	-1.3671E-05	cu m/s...	Re # :	544.
Gap # 42	...Flow Rate :	-1.3286E-05	cu m/s...	Re # :	529.
Gap # 43	...Flow Rate :	-1.2471E-05	cu m/s...	Re # :	496.
Gap # 44	...Flow Rate :	-1.2040E-05	cu m/s...	Re # :	479.
Gap # 45	...Flow Rate :	-1.3656E-05	cu m/s...	Re # :	543.
Gap # 46	...Flow Rate :	-1.3083E-05	cu m/s...	Re # :	521.
Gap # 47	...Flow Rate :	-1.2007E-05	cu m/s...	Re # :	478.
Gap # 48	...Flow Rate :	-1.1511E-05	cu m/s...	Re # :	458.

End of calculation.

FLOW RATE, REYNOLD # & NET FLOW BY INTERNAL PRESSURE : TEST83

Test Parameters:

Wind Velocity Of Wind Tunnel is : 10.05 m/s.

Wind Angle is : 180 degree.

Type Of Flow : SHEAR

Mechanical Ventilation : 0.0000E+00 cu m/s. (0.00 cfh)

All Gaps Are Open.

Total North side infiltration	:	2.0459E-05	cu m/s.
Total North side exfiltration	:	-7.4771E-06	cu m/s.
Total East side infiltration	:	0.0000E+00	cu m/s.
Total East side exfiltration	:	-1.4886E-04	cu m/s.
Total South side infiltration	:	2.5390E-04	cu m/s.
Total South side exfiltration	:	0.0000E+00	cu m/s.
Total West side infiltration	:	0.0000E+00	cu m/s.
Total West side exfiltration	:	-1.6043E-04	cu m/s.

Net Flow Rate (Less Ventilation) : -4.2408E-05 cu m/s.

Gap # 1 ... Flow Rate :	-1.4906E-06	cu m/s...	Re # :	59.
Gap # 2 ... Flow Rate :	-1.6650E-06	cu m/s...	Re # :	66.
Gap # 3 ... Flow Rate :	-2.0546E-06	cu m/s...	Re # :	82.
Gap # 4 ... Flow Rate :	-2.2670E-06	cu m/s...	Re # :	90.
Gap # 5 ... Flow Rate :	2.3327E-06	cu m/s...	Re # :	93.
Gap # 6 ... Flow Rate :	3.0611E-06	cu m/s...	Re # :	122.
Gap # 7 ... Flow Rate :	2.7956E-06	cu m/s...	Re # :	111.
Gap # 8 ... Flow Rate :	1.7129E-06	cu m/s...	Re # :	68.
Gap # 9 ... Flow Rate :	2.1015E-06	cu m/s...	Re # :	84.
Gap # 10 ... Flow Rate :	2.4542E-06	cu m/s...	Re # :	98.
Gap # 11 ... Flow Rate :	2.9303E-06	cu m/s...	Re # :	117.
Gap # 12 ... Flow Rate :	3.0707E-06	cu m/s...	Re # :	122.
Gap # 13 ... Flow Rate :	-1.4625E-05	cu m/s...	Re # :	582.
Gap # 14 ... Flow Rate :	-1.4714E-05	cu m/s...	Re # :	585.
Gap # 15 ... Flow Rate :	-1.2722E-05	cu m/s...	Re # :	506.
Gap # 16 ... Flow Rate :	-1.0328E-05	cu m/s...	Re # :	411.
Gap # 17 ... Flow Rate :	-1.2714E-05	cu m/s...	Re # :	506.
Gap # 18 ... Flow Rate :	-1.3020E-05	cu m/s...	Re # :	518.
Gap # 19 ... Flow Rate :	-1.1899E-05	cu m/s...	Re # :	473.
Gap # 20 ... Flow Rate :	-1.0331E-05	cu m/s...	Re # :	411.
Gap # 21 ... Flow Rate :	-1.4592E-05	cu m/s...	Re # :	531.
Gap # 22 ... Flow Rate :	-1.3727E-05	cu m/s...	Re # :	546.
Gap # 23 ... Flow Rate :	-1.1081E-05	cu m/s...	Re # :	441.
Gap # 24 ... Flow Rate :	-9.1067E-06	cu m/s...	Re # :	362.
Gap # 25 ... Flow Rate :	2.3894E-05	cu m/s...	Re # :	951.
Gap # 26 ... Flow Rate :	2.3923E-05	cu m/s...	Re # :	952.
Gap # 27 ... Flow Rate :	2.3215E-05	cu m/s...	Re # :	924.
Gap # 28 ... Flow Rate :	2.2458E-05	cu m/s...	Re # :	894.
Gap # 29 ... Flow Rate :	2.1716E-05	cu m/s...	Re # :	864.
Gap # 30 ... Flow Rate :	2.1617E-05	cu m/s...	Re # :	860.
Gap # 31 ... Flow Rate :	2.1083E-05	cu m/s...	Re # :	839.
Gap # 32 ... Flow Rate :	2.0651E-05	cu m/s...	Re # :	822.
Gap # 33 ... Flow Rate :	1.9188E-05	cu m/s...	Re # :	763.
Gap # 34 ... Flow Rate :	1.9350E-05	cu m/s...	Re # :	770.
Gap # 35 ... Flow Rate :	1.8779E-05	cu m/s...	Re # :	747.
Gap # 36 ... Flow Rate :	1.8023E-05	cu m/s...	Re # :	717.
Gap # 37 ... Flow Rate :	-1.1175E-05	cu m/s...	Re # :	445.
Gap # 38 ... Flow Rate :	-1.3328E-05	cu m/s...	Re # :	530.
Gap # 39 ... Flow Rate :	-1.5273E-05	cu m/s...	Re # :	608.
Gap # 40 ... Flow Rate :	-1.5313E-05	cu m/s...	Re # :	609.
Gap # 41 ... Flow Rate :	-1.1577E-05	cu m/s...	Re # :	461.
Gap # 42 ... Flow Rate :	-1.3466E-05	cu m/s...	Re # :	536.
Gap # 43 ... Flow Rate :	-1.4834E-05	cu m/s...	Re # :	592.
Gap # 44 ... Flow Rate :	-1.4600E-05	cu m/s...	Re # :	581.
Gap # 45 ... Flow Rate :	-7.4025E-06	cu m/s...	Re # :	295.
Gap # 46 ... Flow Rate :	-1.1737E-05	cu m/s...	Re # :	467.
Gap # 47 ... Flow Rate :	-1.5591E-05	cu m/s...	Re # :	620.
Gap # 48 ... Flow Rate :	-1.6088E-05	cu m/s...	Re # :	640.

End of calculation.

FLOW RATE, REYNOLD # & NET FLOW BY INTERNAL PRESSURE : TEST84

Test Parameters:

Wind Velocity Of Wind Tunnel is : 10.06 m/s.

Wind Angle is : 210. degree.

Type Of Flow : SHEAR

Mechanical Ventilation : 0.0000E+00 cu m/s. (0.00 cfm)

All Gaps Are Open.

Total North side infiltration	:	0.0000E+00	cu m/s.
Total North side exfiltration	:	-1.3597E-04	cu m/s.
Total East side infiltration	:	0.0000E+00	cu m/s.
Total East side exfiltration	:	-1.6733E-04	cu m/s.
Total South side infiltration	:	1.8939E-04	cu m/s.
Total South side exfiltration	:	0.0000E+00	cu m/s.
Total West side infiltration	:	1.1797E-04	cu m/s.
Total West side exfiltration	:	0.0000E+00	cu m/s.

Net Flow Rate (Less Ventilation) : 4.0543E-06 cu m/s.

Gap # 1 ... Flow Rate :	-1.3010E-05	cu m/s...	Re # :	518.
Gap # 2 ... Flow Rate :	-1.2563E-05	cu m/s...	Re # :	500.
Gap # 3 ... Flow Rate :	-1.1918E-05	cu m/s...	Re # :	474.
Gap # 4 ... Flow Rate :	-1.1733E-05	cu m/s...	Re # :	467.
Gap # 5 ... Flow Rate :	-1.1801E-05	cu m/s...	Re # :	470.
Gap # 6 ... Flow Rate :	-1.1628E-05	cu m/s...	Re # :	463.
Gap # 7 ... Flow Rate :	-1.1220E-05	cu m/s...	Re # :	446.
Gap # 8 ... Flow Rate :	-1.0984E-05	cu m/s...	Re # :	437.
Gap # 9 ... Flow Rate :	-1.0401E-05	cu m/s...	Re # :	414.
Gap #10 ... Flow Rate :	-1.0412E-05	cu m/s...	Re # :	414.
Gap #11 ... Flow Rate :	-1.0243E-05	cu m/s...	Re # :	408.
Gap #12 ... Flow Rate :	-1.0062E-05	cu m/s...	Re # :	400.
Gap #13 ... Flow Rate :	-1.4165E-05	cu m/s...	Re # :	564.
Gap #14 ... Flow Rate :	-1.4298E-05	cu m/s...	Re # :	569.
Gap #15 ... Flow Rate :	-1.4678E-05	cu m/s...	Re # :	564.
Gap #16 ... Flow Rate :	-1.4923E-05	cu m/s...	Re # :	584.
Gap #17 ... Flow Rate :	-1.3315E-05	cu m/s...	Re # :	530.
Gap #18 ... Flow Rate :	-1.3717E-05	cu m/s...	Re # :	546.
Gap #19 ... Flow Rate :	-1.4416E-05	cu m/s...	Re # :	574.
Gap #20 ... Flow Rate :	-1.4716E-05	cu m/s...	Re # :	586.
Gap #21 ... Flow Rate :	-1.2194E-05	cu m/s...	Re # :	485.
Gap #22 ... Flow Rate :	-1.2580E-05	cu m/s...	Re # :	501.
Gap #23 ... Flow Rate :	-1.3775E-05	cu m/s...	Re # :	548.
Gap #24 ... Flow Rate :	-1.4555E-05	cu m/s...	Re # :	579.
Gap #25 ... Flow Rate :	1.9857E-05	cu m/s...	Re # :	790.
Gap #26 ... Flow Rate :	1.8829E-05	cu m/s...	Re # :	749.
Gap #27 ... Flow Rate :	1.6291E-05	cu m/s...	Re # :	648.
Gap #28 ... Flow Rate :	1.4714E-05	cu m/s...	Re # :	585.
Gap #29 ... Flow Rate :	1.8078E-05	cu m/s...	Re # :	719.
Gap #30 ... Flow Rate :	1.7409E-05	cu m/s...	Re # :	693.
Gap #31 ... Flow Rate :	1.5060E-05	cu m/s...	Re # :	599.
Gap #32 ... Flow Rate :	1.3239E-05	cu m/s...	Re # :	527.
Gap #33 ... Flow Rate :	1.6051E-05	cu m/s...	Re # :	639.
Gap #34 ... Flow Rate :	1.5302E-05	cu m/s...	Re # :	609.
Gap #35 ... Flow Rate :	1.3074E-05	cu m/s...	Re # :	520.
Gap #36 ... Flow Rate :	1.1486E-05	cu m/s...	Re # :	457.
Gap #37 ... Flow Rate :	7.2080E-06	cu m/s...	Re # :	287.
Gap #38 ... Flow Rate :	9.2509E-06	cu m/s...	Re # :	368.
Gap #39 ... Flow Rate :	1.2003E-05	cu m/s...	Re # :	478.
Gap #40 ... Flow Rate :	1.2938E-05	cu m/s...	Re # :	515.
Gap #41 ... Flow Rate :	5.4377E-06	cu m/s...	Re # :	216.
Gap #42 ... Flow Rate :	8.4189E-06	cu m/s...	Re # :	335.
Gap #43 ... Flow Rate :	1.1701E-05	cu m/s...	Re # :	466.
Gap #44 ... Flow Rate :	1.2590E-05	cu m/s...	Re # :	501.
Gap #45 ... Flow Rate :	6.8923E-06	cu m/s...	Re # :	274.
Gap #46 ... Flow Rate :	8.7056E-06	cu m/s...	Re # :	346.
Gap #47 ... Flow Rate :	1.1032E-05	cu m/s...	Re # :	439.
Gap #48 ... Flow Rate :	1.1746E-05	cu m/s...	Re # :	467.

End of calculation.

FLOW RATE, REYNOLD # & NET FLOW BY INTERNAL PRESSURE : TEST85

Test Parameters:

Wind Velocity Of Wind Tunnel is : 10.00 m/s.

Wind Angle is : 240 degree.

Type Of Flow : SHEAR

Mechanical Ventilation : 0.0000E+00 cu m/s. (0.00 cfm)

All Gaps Are Open.

Total North side infiltration : 0.0000E+00 cu m/s.
 Total North side exfiltration : -1.5724E-04 cu m/s.
 Total East side infiltration : 0.0000E+00 cu m/s.
 Total East side exfiltration : -1.3157E-04 cu m/s.
 Total South side infiltration : 8.4324E-05 cu m/s.
 Total South side exfiltration : 0.0000E+00 cu m/s.
 Total West side infiltration : 2.1643E-04 cu m/s.
 Total West side exfiltration : 0.0000E+00 cu m/s.

Net Flow Rate (Less Ventilation) : 1.1947E-05 cu m/s.

Gap # 1	Flow Rate	: -1.4307E-05	cu m/s...	Re #	: 569.
Gap # 2	Flow Rate	: -1.4026E-05	cu m/s...	Re #	: 558.
Gap # 3	Flow Rate	: -1.3549E-05	cu m/s...	Re #	: 539.
Gap # 4	Flow Rate	: -1.3355E-05	cu m/s...	Re #	: 531.
Gap # 5	Flow Rate	: -1.3748E-05	cu m/s...	Re #	: 547.
Gap # 6	Flow Rate	: -1.3357E-05	cu m/s...	Re #	: 531.
Gap # 7	Flow Rate	: -1.2530E-05	cu m/s...	Re #	: 499.
Gap # 8	Flow Rate	: -1.2092E-05	cu m/s...	Re #	: 481.
Gap # 9	Flow Rate	: -1.3383E-05	cu m/s...	Re #	: 533.
Gap # 10	Flow Rate	: -1.2979E-05	cu m/s...	Re #	: 512.
Gap # 11	Flow Rate	: -1.2124E-05	cu m/s...	Re #	: 482.
Gap # 12	Flow Rate	: -1.1888E-05	cu m/s...	Re #	: 473.
Gap # 13	Flow Rate	: -1.1446E-05	cu m/s...	Re #	: 455.
Gap # 14	Flow Rate	: -1.1622E-05	cu m/s...	Re #	: 462.
Gap # 15	Flow Rate	: -1.2154E-05	cu m/s...	Re #	: 484.
Gap # 16	Flow Rate	: -1.2503E-05	cu m/s...	Re #	: 497.
Gap # 17	Flow Rate	: -1.0983E-05	cu m/s...	Re #	: 437.
Gap # 18	Flow Rate	: -1.1273E-05	cu m/s...	Re #	: 449.
Gap # 19	Flow Rate	: -1.1426E-05	cu m/s...	Re #	: 455.
Gap # 20	Flow Rate	: -1.1293E-05	cu m/s...	Re #	: 449.
Gap # 21	Flow Rate	: -9.5010E-06	cu m/s...	Re #	: 373.
Gap # 22	Flow Rate	: -9.7514E-06	cu m/s...	Re #	: 388.
Gap # 23	Flow Rate	: -9.8725E-06	cu m/s...	Re #	: 393.
Gap # 24	Flow Rate	: -9.7466E-06	cu m/s...	Re #	: 388.
Gap # 25	Flow Rate	: 1.1093E-05	cu m/s...	Re #	: 441.
Gap # 26	Flow Rate	: 1.0369E-05	cu m/s...	Re #	: 413.
Gap # 27	Flow Rate	: 7.4120E-06	cu m/s...	Re #	: 295.
Gap # 28	Flow Rate	: 4.6444E-06	cu m/s...	Re #	: 185.
Gap # 29	Flow Rate	: 8.6566E-06	cu m/s...	Re #	: 344.
Gap # 30	Flow Rate	: 8.9022E-06	cu m/s...	Re #	: 354.
Gap # 31	Flow Rate	: 6.9232E-06	cu m/s...	Re #	: 275.
Gap # 32	Flow Rate	: 4.0707E-06	cu m/s...	Re #	: 162.
Gap # 33	Flow Rate	: 5.1234E-06	cu m/s...	Re #	: 204.
Gap # 34	Flow Rate	: 6.7342E-06	cu m/s...	Re #	: 268.
Gap # 35	Flow Rate	: 6.3141E-06	cu m/s...	Re #	: 251.
Gap # 36	Flow Rate	: 4.0815E-06	cu m/s...	Re #	: 162.
Gap # 37	Flow Rate	: 1.7177E-05	cu m/s...	Re #	: 683.
Gap # 38	Flow Rate	: 1.8793E-05	cu m/s...	Re #	: 748.
Gap # 39	Flow Rate	: 2.0787E-05	cu m/s...	Re #	: 827.
Gap # 40	Flow Rate	: 2.1265E-05	cu m/s...	Re #	: 846.
Gap # 41	Flow Rate	: 1.5837E-05	cu m/s...	Re #	: 630.
Gap # 42	Flow Rate	: 1.7379E-05	cu m/s...	Re #	: 691.
Gap # 43	Flow Rate	: 1.9334E-05	cu m/s...	Re #	: 770.
Gap # 44	Flow Rate	: 1.9880E-05	cu m/s...	Re #	: 791.
Gap # 45	Flow Rate	: 1.4921E-05	cu m/s...	Re #	: 594.
Gap # 46	Flow Rate	: 1.6079E-05	cu m/s...	Re #	: 640.
Gap # 47	Flow Rate	: 1.7378E-05	cu m/s...	Re #	: 691.
Gap # 48	Flow Rate	: 1.7537E-05	cu m/s...	Re #	: 700.

End of calculation.

FLOW RATE, REYNOLD # & NET FLOW BY INTERNAL PRESSURE : TEST86

Test Parameters:

Wind Velocity Of Wind Tunnel is : 10.09 m/s.

Wind Angle is : 270 degree.

Type Of Flow : SHEAR

Mechanical Ventilation : 0.0000E+00 cu m/s. (0.00 cfm)

All Gaps Are Open.

Total North side infiltration : 0.0000E+00 cu m/s.
 Total North side exfiltration : -1.6016E-04 cu m/s.
 Total East side infiltration : 1.8853E-05 cu m/s.
 Total East side exfiltration : -3.2152E-06 cu m/s.
 Total South side infiltration : 0.0000E+00 cu m/s.
 Total South side exfiltration : -1.5259E-04 cu m/s.
 Total West side infiltration : 2.5232E-04 cu m/s.
 Total West side exfiltration : 0.0000E+00 cu m/s.

Net Flow Rate (Less Ventilation) : -4.4783E-05 cu m/s.

Gap # 1	Flow Rate :	-1.1738E-05	cu m/s...	Re # :	467.
Gap # 2	Flow Rate :	-1.3717E-05	cu m/s...	Re # :	546.
Gap # 3	Flow Rate :	-1.5636E-05	cu m/s...	Re # :	622.
Gap # 4	Flow Rate :	-1.5780E-05	cu m/s...	Re # :	628.
Gap # 5	Flow Rate :	-1.1000E-05	cu m/s...	Re # :	438.
Gap # 6	Flow Rate :	-1.2950E-05	cu m/s...	Re # :	515.
Gap # 7	Flow Rate :	-1.4892E-05	cu m/s...	Re # :	593.
Gap # 8	Flow Rate :	-1.5091E-05	cu m/s...	Re # :	600.
Gap # 9	Flow Rate :	-6.6673E-06	cu m/s...	Re # :	265.
Gap #10	Flow Rate :	-1.0953E-05	cu m/s...	Re # :	436.
Gap #11	Flow Rate :	-1.5341E-05	cu m/s...	Re # :	610.
Gap #12	Flow Rate :	-1.6387E-05	cu m/s...	Re # :	652.
Gap #13	Flow Rate :	-8.5379E-07	cu m/s...	Re # :	34.
Gap #14	Flow Rate :	-5.1963E-07	cu m/s...	Re # :	21.
Gap #15	Flow Rate :	-6.8585E-07	cu m/s...	Re # :	27.
Gap #16	Flow Rate :	-1.1559E-06	cu m/s...	Re # :	46.
Gap #17	Flow Rate :	1.3164E-06	cu m/s...	Re # :	52.
Gap #18	Flow Rate :	2.2903E-06	cu m/s...	Re # :	91.
Gap #19	Flow Rate :	2.2677E-06	cu m/s...	Re # :	90.
Gap #20	Flow Rate :	1.2615E-06	cu m/s...	Re # :	50.
Gap #21	Flow Rate :	2.6162E-06	cu m/s...	Re # :	104.
Gap #22	Flow Rate :	3.0616E-06	cu m/s...	Re # :	122.
Gap #23	Flow Rate :	3.1791E-06	cu m/s...	Re # :	126.
Gap #24	Flow Rate :	2.8656E-06	cu m/s...	Re # :	114.
Gap #25	Flow Rate :	-1.4949E-05	cu m/s...	Re # :	595.
Gap #26	Flow Rate :	-1.4848E-05	cu m/s...	Re # :	591.
Gap #27	Flow Rate :	-1.3179E-05	cu m/s...	Re # :	524.
Gap #28	Flow Rate :	-1.1448E-05	cu m/s...	Re # :	455.
Gap #29	Flow Rate :	-1.3028E-05	cu m/s...	Re # :	518.
Gap #30	Flow Rate :	-1.3441E-05	cu m/s...	Re # :	535.
Gap #31	Flow Rate :	-1.2324E-05	cu m/s...	Re # :	490.
Gap #32	Flow Rate :	-1.0640E-05	cu m/s...	Re # :	423.
Gap #33	Flow Rate :	-1.3881E-05	cu m/s...	Re # :	552.
Gap #34	Flow Rate :	-1.4029E-05	cu m/s...	Re # :	558.
Gap #35	Flow Rate :	-1.1813E-05	cu m/s...	Re # :	470.
Gap #36	Flow Rate :	-9.0083E-06	cu m/s...	Re # :	358.
Gap #37	Flow Rate :	2.3590E-05	cu m/s...	Re # :	939.
Gap #38	Flow Rate :	2.3529E-05	cu m/s...	Re # :	936.
Gap #39	Flow Rate :	2.2900E-05	cu m/s...	Re # :	911.
Gap #40	Flow Rate :	2.2320E-05	cu m/s...	Re # :	889.
Gap #41	Flow Rate :	2.1725E-05	cu m/s...	Re # :	864.
Gap #42	Flow Rate :	2.1676E-05	cu m/s...	Re # :	862.
Gap #43	Flow Rate :	2.1091E-05	cu m/s...	Re # :	839.
Gap #44	Flow Rate :	2.0542E-05	cu m/s...	Re # :	817.
Gap #45	Flow Rate :	1.8918E-05	cu m/s...	Re # :	753.
Gap #46	Flow Rate :	1.9135E-05	cu m/s...	Re # :	761.
Gap #47	Flow Rate :	1.8754E-05	cu m/s...	Re # :	746.
Gap #48	Flow Rate :	1.8140E-05	cu m/s...	Re # :	722.

End of calculation.

FLOW RATE, REYNOLD # & NET FLOW BY INTERNAL PRESSURE : TEST87

Test Parameters:

Wind Velocity Of Wind Tunnel is : 9.99 m/s.

Wind Angle is : 300 degree.

Type Of Flow : SHEAR

Mechanical Ventilation : 0.0000E+00 cu m/s. (0.00 cfh)

All Gaps Are Open.

Total North side infiltration	:	1.1162E-04	cu m/s.
Total North side exfiltration	:	0.0000E+00	cu m/s.
Total East side infiltration	:	0.0000E+00	cu m/s.
Total East side exfiltration	:	-1.3043E-04	cu m/s.
Total South side infiltration	:	0.0000E+00	cu m/s.
Total South side exfiltration	:	-1.6042E-04	cu m/s.
Total West side infiltration	:	1.8755E-04	cu m/s.
Total West side exfiltration	:	0.0000E+00	cu m/s.

Net Flow Rate (Less Ventilation) : 8.3161E-06 cu m/s.

Gap # 1 ...Flow Rate :	4.5031E-06	cu m/s...	Re # :	179.
Gap # 2 ...Flow Rate :	8.2787E-06	cu m/s...	Re # :	329.
Gap # 3 ...Flow Rate :	1.1427E-05	cu m/s...	Re # :	455.
Gap # 4 ...Flow Rate :	1.1745E-05	cu m/s...	Re # :	467.
Gap # 5 ...Flow Rate :	5.8556E-06	cu m/s...	Re # :	233.
Gap # 6 ...Flow Rate :	8.3468E-06	cu m/s...	Re # :	332.
Gap # 7 ...Flow Rate :	1.1281E-05	cu m/s...	Re # :	449.
Gap # 8 ...Flow Rate :	1.2117E-05	cu m/s...	Re # :	492.
Gap # 9 ...Flow Rate :	6.5427E-06	cu m/s...	Re # :	260.
Gap #10 ...Flow Rate :	8.5612E-06	cu m/s...	Re # :	341.
Gap #11 ...Flow Rate :	1.1095E-05	cu m/s...	Re # :	441.
Gap #12 ...Flow Rate :	1.1352E-05	cu m/s...	Re # :	472.
Gap #13 ...Flow Rate :	-1.2611E-05	cu m/s...	Re # :	502.
Gap #14 ...Flow Rate :	-1.2114E-05	cu m/s...	Re # :	482.
Gap #15 ...Flow Rate :	-1.1304E-05	cu m/s...	Re # :	450.
Gap #16 ...Flow Rate :	-1.1001E-05	cu m/s...	Re # :	456.
Gap #17 ...Flow Rate :	-1.1495E-05	cu m/s...	Re # :	457.
Gap #18 ...Flow Rate :	-1.1447E-05	cu m/s...	Re # :	455.
Gap #19 ...Flow Rate :	-1.1008E-05	cu m/s...	Re # :	438.
Gap #20 ...Flow Rate :	-1.0607E-05	cu m/s...	Re # :	422.
Gap #21 ...Flow Rate :	-9.6314E-06	cu m/s...	Re # :	383.
Gap #22 ...Flow Rate :	-9.7922E-06	cu m/s...	Re # :	390.
Gap #23 ...Flow Rate :	-9.7900E-06	cu m/s...	Re # :	390.
Gap #24 ...Flow Rate :	-9.6269E-06	cu m/s...	Re # :	383.
Gap #25 ...Flow Rate :	-1.3550E-05	cu m/s...	Re # :	539.
Gap #26 ...Flow Rate :	-1.3737E-05	cu m/s...	Re # :	547.
Gap #27 ...Flow Rate :	-1.4152E-05	cu m/s...	Re # :	563.
Gap #28 ...Flow Rate :	-1.4380E-05	cu m/s...	Re # :	572.
Gap #29 ...Flow Rate :	-1.2551E-05	cu m/s...	Re # :	499.
Gap #30 ...Flow Rate :	-1.3059E-05	cu m/s...	Re # :	520.
Gap #31 ...Flow Rate :	-1.3897E-05	cu m/s...	Re # :	553.
Gap #32 ...Flow Rate :	-1.4234E-05	cu m/s...	Re # :	566.
Gap #33 ...Flow Rate :	-1.1505E-05	cu m/s...	Re # :	458.
Gap #34 ...Flow Rate :	-1.2147E-05	cu m/s...	Re # :	483.
Gap #35 ...Flow Rate :	-1.3330E-05	cu m/s...	Re # :	530.
Gap #36 ...Flow Rate :	-1.5878E-05	cu m/s...	Re # :	552.
Gap #37 ...Flow Rate :	1.9762E-05	cu m/s...	Re # :	786.
Gap #38 ...Flow Rate :	1.8595E-05	cu m/s...	Re # :	740.
Gap #39 ...Flow Rate :	1.6005E-05	cu m/s...	Re # :	637.
Gap #40 ...Flow Rate :	1.4545E-05	cu m/s...	Re # :	579.
Gap #41 ...Flow Rate :	1.9082E-05	cu m/s...	Re # :	719.
Gap #42 ...Flow Rate :	1.7166E-05	cu m/s...	Re # :	683.
Gap #43 ...Flow Rate :	1.4695E-05	cu m/s...	Re # :	585.
Gap #44 ...Flow Rate :	1.3044E-05	cu m/s...	Re # :	519.
Gap #45 ...Flow Rate :	1.5717E-05	cu m/s...	Re # :	625.
Gap #46 ...Flow Rate :	1.4941E-05	cu m/s...	Re # :	594.
Gap #47 ...Flow Rate :	1.5066E-05	cu m/s...	Re # :	520.
Gap #48 ...Flow Rate :	1.1929E-05	cu m/s...	Re # :	475.

End of calculation.

FLOW RATE, REYNOLD # & NET FLOW BY INTERNAL PRESSURE : TEST88

Test Parameters:

Wind Velocity Of Wind Tunnel is : 10.01 m/s.

Wind Angle is : 330 degree.

Type Of Flow : SHEAR

Mechanical Ventilation : 0.0000E+00 cu m/s. (0.00 cfh)

All Gaps Are Open.

Total North side infiltration	:	2.1434E-04	cu m/s.
Total North side exfiltration	:	0.0000E+00	cu m/s.
Total East side infiltration	:	0.0000E+00	cu m/s.
Total East side exfiltration	:	-1.4901E-04	cu m/s.
Total South side infiltration	:	0.0000E+00	cu m/s.
Total South side exfiltration	:	-1.2776E-04	cu m/s.
Total West side infiltration	:	9.1545E-05	cu m/s.
Total West side exfiltration	:	0.0000E+00	cu m/s.

Net Flow Rate (Less Ventilation) : 2.9113E-05 cu m/s.

Gap # 1 ... Flow Rate :	1.6777E-05	cu m/s...	Re # :	668.
Gap # 2 ... Flow Rate :	1.8539E-05	cu m/s...	Re # :	738.
Gap # 3 ... Flow Rate :	2.0669E-05	cu m/s...	Re # :	822.
Gap # 4 ... Flow Rate :	2.1157E-05	cu m/s...	Re # :	842.
Gap # 5 ... Flow Rate :	1.5808E-05	cu m/s...	Re # :	629.
Gap # 6 ... Flow Rate :	1.7131E-05	cu m/s...	Re # :	682.
Gap # 7 ... Flow Rate :	1.9094E-05	cu m/s...	Re # :	760.
Gap # 8 ... Flow Rate :	1.9791E-05	cu m/s...	Re # :	787.
Gap # 9 ... Flow Rate :	1.4803E-05	cu m/s...	Re # :	589.
Gap #10 ... Flow Rate :	1.5941E-05	cu m/s...	Re # :	634.
Gap #11 ... Flow Rate :	1.7212E-05	cu m/s...	Re # :	685.
Gap #12 ... Flow Rate :	1.7411E-05	cu m/s...	Re # :	693.
Gap #13 ... Flow Rate :	-1.3458E-05	cu m/s...	Re # :	535.
Gap #14 ... Flow Rate :	-1.3250E-05	cu m/s...	Re # :	527.
Gap #15 ... Flow Rate :	-1.2802E-05	cu m/s...	Re # :	509.
Gap #16 ... Flow Rate :	-1.2568E-05	cu m/s...	Re # :	500.
Gap #17 ... Flow Rate :	-1.3240E-05	cu m/s...	Re # :	527.
Gap #18 ... Flow Rate :	-1.2768E-05	cu m/s...	Re # :	508.
Gap #19 ... Flow Rate :	-1.1967E-05	cu m/s...	Re # :	476.
Gap #20 ... Flow Rate :	-1.1645E-05	cu m/s...	Re # :	463.
Gap #21 ... Flow Rate :	-1.2748E-05	cu m/s...	Re # :	507.
Gap #22 ... Flow Rate :	-1.2193E-05	cu m/s...	Re # :	485.
Gap #23 ... Flow Rate :	-1.1334E-05	cu m/s...	Re # :	451.
Gap #24 ... Flow Rate :	-1.1047E-05	cu m/s...	Re # :	440.
Gap #25 ... Flow Rate :	-1.0996E-05	cu m/s...	Re # :	438.
Gap #26 ... Flow Rate :	-1.1333E-05	cu m/s...	Re # :	453.
Gap #27 ... Flow Rate :	-1.1952E-05	cu m/s...	Re # :	476.
Gap #28 ... Flow Rate :	-1.2140E-05	cu m/s...	Re # :	493.
Gap #29 ... Flow Rate :	-1.0329E-05	cu m/s...	Re # :	411.
Gap #30 ... Flow Rate :	-1.0527E-05	cu m/s...	Re # :	419.
Gap #31 ... Flow Rate :	-1.1078E-05	cu m/s...	Re # :	441.
Gap #32 ... Flow Rate :	-1.1426E-05	cu m/s...	Re # :	455.
Gap #33 ... Flow Rate :	-9.2229E-06	cu m/s...	Re # :	367.
Gap #34 ... Flow Rate :	-9.3964E-06	cu m/s...	Re # :	374.
Gap #35 ... Flow Rate :	-9.6252E-06	cu m/s...	Re # :	383.
Gap #36 ... Flow Rate :	-9.6825E-06	cu m/s...	Re # :	385.
Gap #37 ... Flow Rate :	1.1090E-05	cu m/s...	Re # :	441.
Gap #38 ... Flow Rate :	1.0312E-05	cu m/s...	Re # :	410.
Gap #39 ... Flow Rate :	7.8012E-06	cu m/s...	Re # :	310.
Gap #40 ... Flow Rate :	5.8117E-06	cu m/s...	Re # :	231.
Gap #41 ... Flow Rate :	8.3795E-06	cu m/s...	Re # :	333.
Gap #42 ... Flow Rate :	8.8522E-06	cu m/s...	Re # :	352.
Gap #43 ... Flow Rate :	7.3704E-06	cu m/s...	Re # :	293.
Gap #44 ... Flow Rate :	4.9982E-06	cu m/s...	Re # :	199.
Gap #45 ... Flow Rate :	6.6825E-06	cu m/s...	Re # :	266.
Gap #46 ... Flow Rate :	7.4414E-06	cu m/s...	Re # :	296.
Gap #47 ... Flow Rate :	7.0305E-06	cu m/s...	Re # :	290.
Gap #48 ... Flow Rate :	5.7749E-06	cu m/s...	Re # :	230.

End of calculation.

FLOW RATE, REYNOLD # & NET FLOW BY INTERNAL PRESSURE : TEST69

Test Parameters:

Wind Velocity Of Wind Tunnel is : 12.51 m/s.

Wind Angle is : 0 degree.

Type Of Flow : SHEAR,

Mechanical Ventilation : 0.0000E+00 cu m/s. (0.00 cfm)

All Gaps Are Open..

Total North side infiltration	:	3.1765E-04	cu m/s.
Total North side exfiltration	:	0.0000E+00	cu m/s.
Total East side infiltration	:	0.0000E+00	cu m/s.
Total East side exfiltration	:	-2.0046E-04	cu m/s.
Total South side infiltration	:	2.7218E-05	cu m/s.
Total South side exfiltration	:	-2.4209E-06	cu m/s.
Total West side infiltration	:	0.0000E+00	cu m/s.
Total West side exfiltration	:	-1.9224E-04	cu m/s.

Net Flow Rate (Less Ventilation) : -5.0255E-05 cu m/s.

Gap # 1 ... Flow Rate :	2.9231E-05	cu m/s...	Re # :	1163.
Gap # 2 ... Flow Rate :	2.9651E-05	cu m/s...	Re # :	1180.
Gap # 3 ... Flow Rate :	2.8819E-05	cu m/s...	Re # :	1147.
Gap # 4 ... Flow Rate :	2.7522E-05	cu m/s...	Re # :	1095.
Gap # 5 ... Flow Rate :	2.6594E-05	cu m/s...	Re # :	1058.
Gap # 6 ... Flow Rate :	2.6748E-05	cu m/s...	Re # :	1064.
Gap # 7 ... Flow Rate :	2.6597E-05	cu m/s...	Re # :	1058.
Gap # 8 ... Flow Rate :	2.6290E-05	cu m/s...	Re # :	1046.
Gap # 9 ... Flow Rate :	2.4322E-05	cu m/s...	Re # :	968.
Gap # 10 ... Flow Rate :	2.4612E-05	cu m/s...	Re # :	979.
Gap # 11 ... Flow Rate :	2.4064E-05	cu m/s...	Re # :	957.
Gap # 12 ... Flow Rate :	2.3202E-05	cu m/s...	Re # :	923.
Gap # 13 ... Flow Rate :	-1.4007E-05	cu m/s...	Re # :	557.
Gap # 14 ... Flow Rate :	-1.7209E-05	cu m/s...	Re # :	685.
Gap # 15 ... Flow Rate :	-1.9630E-05	cu m/s...	Re # :	781.
Gap # 16 ... Flow Rate :	-1.9278E-05	cu m/s...	Re # :	767.
Gap # 17 ... Flow Rate :	-1.4098E-05	cu m/s...	Re # :	561.
Gap # 18 ... Flow Rate :	-1.6908E-05	cu m/s...	Re # :	673.
Gap # 19 ... Flow Rate :	-1.8849E-05	cu m/s...	Re # :	750.
Gap # 20 ... Flow Rate :	-1.8310E-05	cu m/s...	Re # :	729.
Gap # 21 ... Flow Rate :	-7.8353E-06	cu m/s...	Re # :	312.
Gap # 22 ... Flow Rate :	-1.3741E-05	cu m/s...	Re # :	547.
Gap # 23 ... Flow Rate :	-1.9590E-05	cu m/s...	Re # :	779.
Gap # 24 ... Flow Rate :	-2.1007E-05	cu m/s...	Re # :	836.
Gap # 25 ... Flow Rate :	-1.1905E-06	cu m/s...	Re # :	47.
Gap # 26 ... Flow Rate :	3.5016E-07	cu m/s...	Re # :	14.
Gap # 27 ... Flow Rate :	3.2557E-07	cu m/s...	Re # :	13.
Gap # 28 ... Flow Rate :	-1.2304E-06	cu m/s...	Re # :	49.
Gap # 29 ... Flow Rate :	1.9129E-06	cu m/s...	Re # :	76.
Gap # 30 ... Flow Rate :	3.1973E-06	cu m/s...	Re # :	127.
Gap # 31 ... Flow Rate :	3.6830E-06	cu m/s...	Re # :	147.
Gap # 32 ... Flow Rate :	3.0430E-06	cu m/s...	Re # :	121.
Gap # 33 ... Flow Rate :	3.3321E-06	cu m/s...	Re # :	133.
Gap # 34 ... Flow Rate :	3.1574E-06	cu m/s...	Re # :	126.
Gap # 35 ... Flow Rate :	3.7571E-06	cu m/s...	Re # :	149.
Gap # 36 ... Flow Rate :	4.4594E-06	cu m/s...	Re # :	177.
Gap # 37 ... Flow Rate :	-1.7987E-05	cu m/s...	Re # :	716.
Gap # 38 ... Flow Rate :	-1.3202E-05	cu m/s...	Re # :	724.
Gap # 39 ... Flow Rate :	-1.6459E-05	cu m/s...	Re # :	655.
Gap # 40 ... Flow Rate :	-1.4288E-05	cu m/s...	Re # :	569.
Gap # 41 ... Flow Rate :	-1.6489E-05	cu m/s...	Re # :	656.
Gap # 42 ... Flow Rate :	-1.7117E-05	cu m/s...	Re # :	631.
Gap # 43 ... Flow Rate :	-1.5309E-05	cu m/s...	Re # :	609.
Gap # 44 ... Flow Rate :	-1.2530E-05	cu m/s...	Re # :	499.
Gap # 45 ... Flow Rate :	-1.8935E-05	cu m/s...	Re # :	753.
Gap # 46 ... Flow Rate :	-1.8247E-05	cu m/s...	Re # :	726.
Gap # 47 ... Flow Rate :	-1.4890E-05	cu m/s...	Re # :	592.
Gap # 48 ... Flow Rate :	-1.1790E-05	cu m/s...	Re # :	469.

End of calculation.

FLOW RATE, REYNOLD # & NET FLOW BY INTERNAL PRESSURE : TEST70

Test Parameters:

Wind Velocity Of Wind Tunnel is : 4.99 m/s.

Wind Angle is : 0 degree.

Type Of Flow : SHEAR

Mechanical Ventilation : 0.0000E+00 cu m/s. (0.00 cfm)

All Gaps Are Open.

Total North side infiltration	:	1.1345E-04	cu m/s.
Total North side exfiltration	:	0.0000E+00	cu m/s.
Total East side infiltration	:	0.0000E+00	cu m/s.
Total East side exfiltration	:	-6.8452E-05	cu m/s.
Total South side infiltration	:	4.2092E-06	cu m/s.
Total South side exfiltration	:	-1.7757E-06	cu m/s.
Total West side infiltration	:	0.0000E+00	cu m/s.
Total West side exfiltration	:	-6.2131E-05	cu m/s.

Net Flow Rate (Less Ventilation) : -1.1702E-05 cu m/s.

Gap # 1 ... Flow Rate :	1.0949E-05	cu m/s...	Re # :	436.
Gap # 2 ... Flow Rate :	1.0908E-05	cu m/s...	Re # :	434.
Gap # 3 ... Flow Rate :	1.0537E-05	cu m/s...	Re # :	419.
Gap # 4 ... Flow Rate :	1.0199E-05	cu m/s...	Re # :	406.
Gap # 5 ... Flow Rate :	1.0135E-05	cu m/s...	Re # :	403.
Gap # 6 ... Flow Rate :	1.0176E-05	cu m/s...	Re # :	405.
Gap # 7 ... Flow Rate :	9.8760E-06	cu m/s...	Re # :	393.
Gap # 8 ... Flow Rate :	9.5269E-06	cu m/s...	Re # :	379.
Gap # 9 ... Flow Rate :	8.6218E-06	cu m/s...	Re # :	343.
Gap # 10 ... Flow Rate :	8.7806E-06	cu m/s...	Re # :	349.
Gap # 11 ... Flow Rate :	8.5629E-06	cu m/s...	Re # :	341.
Gap # 12 ... Flow Rate :	8.1765E-06	cu m/s...	Re # :	325.
Gap # 13 ... Flow Rate :	-5.0527E-06	cu m/s...	Re # :	201.
Gap # 14 ... Flow Rate :	-5.9083E-06	cu m/s...	Re # :	235.
Gap # 15 ... Flow Rate :	-6.6138E-06	cu m/s...	Re # :	263.
Gap # 16 ... Flow Rate :	-6.5354E-06	cu m/s...	Re # :	260.
Gap # 17 ... Flow Rate :	-4.6053E-06	cu m/s...	Re # :	183.
Gap # 18 ... Flow Rate :	-5.5492E-06	cu m/s...	Re # :	221.
Gap # 19 ... Flow Rate :	-6.2356E-06	cu m/s...	Re # :	243.
Gap # 20 ... Flow Rate :	-6.0655E-06	cu m/s...	Re # :	241.
Gap # 21 ... Flow Rate :	-2.9503E-06	cu m/s...	Re # :	117.
Gap # 22 ... Flow Rate :	-5.0421E-06	cu m/s...	Re # :	201.
Gap # 23 ... Flow Rate :	-6.8688E-06	cu m/s...	Re # :	273.
Gap # 24 ... Flow Rate :	-7.0249E-06	cu m/s...	Re # :	280.
Gap # 25 ... Flow Rate :	-7.4703E-07	cu m/s...	Re # :	30.
Gap # 26 ... Flow Rate :	-5.1408E-07	cu m/s...	Re # :	20.
Gap # 27 ... Flow Rate :	-2.6033E-07	cu m/s...	Re # :	10.
Gap # 28 ... Flow Rate :	-2.5428E-07	cu m/s...	Re # :	10.
Gap # 29 ... Flow Rate :	4.0933E-07	cu m/s...	Re # :	16.
Gap # 30 ... Flow Rate :	4.9075E-07	cu m/s...	Re # :	20.
Gap # 31 ... Flow Rate :	3.9020E-07	cu m/s...	Re # :	16.
Gap # 32 ... Flow Rate :	2.0089E-07	cu m/s...	Re # :	8.
Gap # 33 ... Flow Rate :	5.7414E-07	cu m/s...	Re # :	23.
Gap # 34 ... Flow Rate :	7.3104E-07	cu m/s...	Re # :	29.
Gap # 35 ... Flow Rate :	7.6612E-07	cu m/s...	Re # :	30.
Gap # 36 ... Flow Rate :	6.4671E-07	cu m/s...	Re # :	26.
Gap # 37 ... Flow Rate :	-6.2381E-06	cu m/s...	Re # :	251.
Gap # 38 ... Flow Rate :	-6.3230E-06	cu m/s...	Re # :	252.
Gap # 39 ... Flow Rate :	-5.3438E-06	cu m/s...	Re # :	213.
Gap # 40 ... Flow Rate :	-4.2085E-06	cu m/s...	Re # :	167.
Gap # 41 ... Flow Rate :	-5.3805E-06	cu m/s...	Re # :	214.
Gap # 42 ... Flow Rate :	-5.5136E-06	cu m/s...	Re # :	219.
Gap # 43 ... Flow Rate :	-4.9177E-06	cu m/s...	Re # :	196.
Gap # 44 ... Flow Rate :	-4.1209E-06	cu m/s...	Re # :	164.
Gap # 45 ... Flow Rate :	-5.6598E-06	cu m/s...	Re # :	225.
Gap # 46 ... Flow Rate :	-5.7862E-06	cu m/s...	Re # :	230.
Gap # 47 ... Flow Rate :	-4.8792E-06	cu m/s...	Re # :	194.
Gap # 48 ... Flow Rate :	-3.6992E-06	cu m/s...	Re # :	147.

End of calculation.

FLOW RATE, REYNOLD # & NET FLOW BY INTERNAL PRESSURE : TEST71

Test Parameters:

Wind Velocity Of Wind Tunnel is : 7.35 m/s.

Wind Angle is : 0 degree.

Type Of Flow : SHEAR

Mechanical Ventilation : 0.0000E+00 cu m/s. (0.00 cfm)

All Gaps Are Open.

Total North side infiltration : 1.7796E-04 cu m/s.
 Total North side exfiltration : 0.0000E+00 cu m/s.
 Total East side infiltration : 0.0000E+00 cu m/s.
 Total East side exfiltration : -1.0653E-04 cu m/s.
 Total South side infiltration : 1.2763E-05 cu m/s.
 Total South side exfiltration : -9.3606E-07 cu m/s.
 Total West side infiltration : 0.0000E+00 cu m/s.
 Total West side exfiltration : -1.0079E-04 cu m/s.

Net Flow Rate (Less Ventilation) : -1.7537E-05 cu m/s.

Gap # 1	Flow Rate :	1.6551E-05	cu m/s...	Re # :	659.
Gap # 2	Flow Rate :	1.6539E-05	cu m/s...	Re # :	660.
Gap # 3	Flow Rate :	1.5965E-05	cu m/s...	Re # :	635.
Gap # 4	Flow Rate :	1.5280E-05	cu m/s...	Re # :	608.
Gap # 5	Flow Rate :	1.5329E-05	cu m/s...	Re # :	610.
Gap # 6	Flow Rate :	1.5377E-05	cu m/s...	Re # :	612.
Gap # 7	Flow Rate :	1.5330E-05	cu m/s...	Re # :	598.
Gap # 8	Flow Rate :	1.4625E-05	cu m/s...	Re # :	582.
Gap # 9	Flow Rate :	1.3385E-05	cu m/s...	Re # :	533.
Gap # 10	Flow Rate :	1.3703E-05	cu m/s...	Re # :	545.
Gap # 11	Flow Rate :	1.3337E-05	cu m/s...	Re # :	533.
Gap # 12	Flow Rate :	1.2735E-05	cu m/s...	Re # :	507.
Gap # 13	Flow Rate :	-7.3822E-06	cu m/s...	Re # :	294.
Gap # 14	Flow Rate :	-9.2620E-06	cu m/s...	Re # :	369.
Gap # 15	Flow Rate :	-1.0528E-05	cu m/s...	Re # :	419.
Gap # 16	Flow Rate :	-1.0148E-05	cu m/s...	Re # :	404.
Gap # 17	Flow Rate :	-7.4943E-06	cu m/s...	Re # :	298.
Gap # 18	Flow Rate :	-9.0325E-06	cu m/s...	Re # :	359.
Gap # 19	Flow Rate :	-1.0026E-05	cu m/s...	Re # :	399.
Gap # 20	Flow Rate :	-9.6411E-06	cu m/s...	Re # :	384.
Gap # 21	Flow Rate :	-3.9736E-06	cu m/s...	Re # :	158.
Gap # 22	Flow Rate :	-7.3141E-06	cu m/s...	Re # :	291.
Gap # 23	Flow Rate :	-1.0533E-05	cu m/s...	Re # :	419.
Gap # 24	Flow Rate :	-1.1195E-05	cu m/s...	Re # :	445.
Gap # 25	Flow Rate :	-1.3645E-07	cu m/s...	Re # :	5.
Gap # 26	Flow Rate :	1.0735E-07	cu m/s...	Re # :	4.
Gap # 27	Flow Rate :	-1.6454E-07	cu m/s...	Re # :	7.
Gap # 28	Flow Rate :	-6.3507E-07	cu m/s...	Re # :	25.
Gap # 29	Flow Rate :	9.1565E-07	cu m/s...	Re # :	36.
Gap # 30	Flow Rate :	1.5102E-06	cu m/s...	Re # :	60.
Gap # 31	Flow Rate :	1.7057E-06	cu m/s...	Re # :	68.
Gap # 32	Flow Rate :	1.3476E-06	cu m/s...	Re # :	54.
Gap # 33	Flow Rate :	1.6907E-06	cu m/s...	Re # :	67.
Gap # 34	Flow Rate :	2.0103E-06	cu m/s...	Re # :	80.
Gap # 35	Flow Rate :	1.9395E-06	cu m/s...	Re # :	77.
Gap # 36	Flow Rate :	1.5368E-06	cu m/s...	Re # :	61.
Gap # 37	Flow Rate :	-9.5326E-06	cu m/s...	Re # :	379.
Gap # 38	Flow Rate :	-9.8726E-06	cu m/s...	Re # :	393.
Gap # 39	Flow Rate :	-8.7809E-06	cu m/s...	Re # :	349.
Gap # 40	Flow Rate :	-7.1679E-06	cu m/s...	Re # :	285.
Gap # 41	Flow Rate :	-8.7258E-06	cu m/s...	Re # :	347.
Gap # 42	Flow Rate :	-8.9762E-06	cu m/s...	Re # :	357.
Gap # 43	Flow Rate :	-3.3066E-06	cu m/s...	Re # :	331.
Gap # 44	Flow Rate :	-7.3136E-06	cu m/s...	Re # :	291.
Gap # 45	Flow Rate :	-9.2810E-06	cu m/s...	Re # :	369.
Gap # 46	Flow Rate :	-9.0673E-06	cu m/s...	Re # :	361.
Gap # 47	Flow Rate :	-7.5934E-06	cu m/s...	Re # :	302.
Gap # 48	Flow Rate :	-6.1734E-06	cu m/s...	Re # :	246.

End of calculation.

APPENDIX F

RESULTS OF AIR INFILTRATION RATES
DUE TO THE ACTION OF MECHANICAL VENTILATION

LIST OF TABLES OF AIR INFILTRATION/EXFILTRATION RATES

	TEST	TAPE	V(m/s)	ANGLE	T.FLOW	F.RATE	L.OPEN
1	TES147	4	0 m/s	0	SHEAR	120	ALL OPEN
2	TES137	4	0 m/s	0	SHEAR	150	ALL OPEN
3	TES138	4	0 m/s	0	SHEAR	180	ALL OPEN
4	TES139	4	0 m/s	0	SHEAR	210	ALL OPEN
5	TES160	4	0 m/s	0	UNIFORM	90	ALL OPEN
6	TES161	4	0 m/s	0	UNIFORM	120	ALL OPEN
7	TES162	4	0 m/s	0	UNIFORM	150	ALL OPEN
8	TES163	4	0 m/s	0	UNIFORM	180	ALL OPEN

FLOW RATE, REYNOLD # & NET FLOW BY INTERNAL PRESSURE : TES147

Test Parameters:

Wind Velocity Of Wind Tunnel is : 0.00 m/s.

Wind Angle is : 0 degree.

Type Of Flow : SHEAR / FIXED Q

Mechanical Ventilation : 9.4389E-04 cu m/s. (120.00 fph)

All Gaps Are Open.

Total North side infiltration	:	2.5452E-04	cu m/s.
Total North side exfiltration	:	0.0000E+00	cu m/s.
Total East side infiltration	:	2.5413E-04	cu m/s.
Total East side exfiltration	:	0.0000E+00	cu m/s.
Total South side infiltration	:	2.5423E-04	cu m/s.
Total South side exfiltration	:	0.0000E+00	cu m/s.
Total West side infiltration	:	2.5441E-04	cu m/s.
Total West side exfiltration	:	0.0000E+00	cu m/s.

Net Flow Rate (Less Ventilation) : 7.3450E-05 cu m/s.

Gap # 1 ... Flow Rate :	2.1241E-05	cu m/s...	Re # :	845.
Gap # 2 ... Flow Rate :	2.1222E-05	cu m/s...	Re # :	844.
Gap # 3 ... Flow Rate :	2.1224E-05	cu m/s...	Re # :	844.
Gap # 4 ... Flow Rate :	2.1246E-05	cu m/s...	Re # :	845.
Gap # 5 ... Flow Rate :	2.1238E-05	cu m/s...	Re # :	845.
Gap # 6 ... Flow Rate :	2.1217E-05	cu m/s...	Re # :	844.
Gap # 7 ... Flow Rate :	2.1169E-05	cu m/s...	Re # :	842.
Gap # 8 ... Flow Rate :	2.1144E-05	cu m/s...	Re # :	841.
Gap # 9 ... Flow Rate :	2.1222E-05	cu m/s...	Re # :	844.
Gap # 10 ... Flow Rate :	2.1197E-05	cu m/s...	Re # :	843.
Gap # 11 ... Flow Rate :	2.1191E-05	cu m/s...	Re # :	843.
Gap # 12 ... Flow Rate :	2.1209E-05	cu m/s...	Re # :	844.
Gap # 13 ... Flow Rate :	2.1131E-05	cu m/s...	Re # :	841.
Gap # 14 ... Flow Rate :	2.1147E-05	cu m/s...	Re # :	841.
Gap # 15 ... Flow Rate :	2.1193E-05	cu m/s...	Re # :	843.
Gap # 16 ... Flow Rate :	2.1223E-05	cu m/s...	Re # :	844.
Gap # 17 ... Flow Rate :	2.1267E-05	cu m/s...	Re # :	846.
Gap # 18 ... Flow Rate :	2.1220E-05	cu m/s...	Re # :	844.
Gap # 19 ... Flow Rate :	2.1181E-05	cu m/s...	Re # :	843.
Gap # 20 ... Flow Rate :	2.1190E-05	cu m/s...	Re # :	843.
Gap # 21 ... Flow Rate :	2.1192E-05	cu m/s...	Re # :	843.
Gap # 22 ... Flow Rate :	2.1198E-05	cu m/s...	Re # :	843.
Gap # 23 ... Flow Rate :	2.1149E-05	cu m/s...	Re # :	842.
Gap # 24 ... Flow Rate :	2.1095E-05	cu m/s...	Re # :	839.
Gap # 25 ... Flow Rate :	2.1224E-05	cu m/s...	Re # :	844.
Gap # 26 ... Flow Rate :	2.1201E-05	cu m/s...	Re # :	844.
Gap # 27 ... Flow Rate :	2.1165E-05	cu m/s...	Re # :	843.
Gap # 28 ... Flow Rate :	2.1192E-05	cu m/s...	Re # :	843.
Gap # 29 ... Flow Rate :	2.1177E-05	cu m/s...	Re # :	843.
Gap # 30 ... Flow Rate :	2.1165E-05	cu m/s...	Re # :	842.
Gap # 31 ... Flow Rate :	2.1182E-05	cu m/s...	Re # :	843.
Gap # 32 ... Flow Rate :	2.1211E-05	cu m/s...	Re # :	844.
Gap # 33 ... Flow Rate :	2.1161E-05	cu m/s...	Re # :	842.
Gap # 34 ... Flow Rate :	2.1170E-05	cu m/s...	Re # :	842.
Gap # 35 ... Flow Rate :	2.1179E-05	cu m/s...	Re # :	843.
Gap # 36 ... Flow Rate :	2.1178E-05	cu m/s...	Re # :	843.
Gap # 37 ... Flow Rate :	2.1279E-05	cu m/s...	Re # :	847.
Gap # 38 ... Flow Rate :	2.1240E-05	cu m/s...	Re # :	845.
Gap # 39 ... Flow Rate :	2.1176E-05	cu m/s...	Re # :	843.
Gap # 40 ... Flow Rate :	2.1149E-05	cu m/s...	Re # :	842.
Gap # 41 ... Flow Rate :	2.1185E-05	cu m/s...	Re # :	843.
Gap # 42 ... Flow Rate :	2.1223E-05	cu m/s...	Re # :	845.
Gap # 43 ... Flow Rate :	2.1248E-05	cu m/s...	Re # :	845.
Gap # 44 ... Flow Rate :	2.1223E-05	cu m/s...	Re # :	844.
Gap # 45 ... Flow Rate :	2.1193E-05	cu m/s...	Re # :	843.
Gap # 46 ... Flow Rate :	2.1184E-05	cu m/s...	Re # :	843.
Gap # 47 ... Flow Rate :	2.1161E-05	cu m/s...	Re # :	842.
Gap # 48 ... Flow Rate :	2.1147E-05	cu m/s...	Re # :	841.

End of calculation.

FLOW RATE, REYNOLD # & NET FLOW BY INTERNAL PRESSURE : TES137

Test Parameters:

Wind Velocity Of Wind Tunnel is : 0.00 m/s.

Wind Angle is : 0 degree.

Type Of Flow : SHEAR / FIXED Q

Mechanical Ventilation : 1.1799E-03 cu m/s. (150.00 cfh)

All Gaps Are Open.

Total North side infiltration	:	3.1543E-04	cu m/s.
Total North side exfiltration	:	0.0000E+00	cu m/s.
Total East side infiltration	:	3.1525E-04	cu m/s.
Total East side exfiltration	:	0.0000E+00	cu m/s.
Total South side infiltration	:	3.1523E-04	cu m/s.
Total South side exfiltration	:	0.0000E+00	cu m/s.
Total West side infiltration	:	3.1550E-04	cu m/s.
Total West side exfiltration	:	0.0000E+00	cu m/s.

Net Flow Rate (Less Ventilation) : 8.1552E-05 cu m/s.

Gap # 1 ... Flow Rate :	2.6207E-05	cu m/s...	Re # :	1043.
Gap # 2 ... Flow Rate :	2.6269E-05	cu m/s...	Re # :	1045.
Gap # 3 ... Flow Rate :	2.6302E-05	cu m/s...	Re # :	1047.
Gap # 4 ... Flow Rate :	2.6275E-05	cu m/s...	Re # :	1045.
Gap # 5 ... Flow Rate :	2.6290E-05	cu m/s...	Re # :	1046.
Gap # 6 ... Flow Rate :	2.6265E-05	cu m/s...	Re # :	1045.
Gap # 7 ... Flow Rate :	2.6279E-05	cu m/s...	Re # :	1046.
Gap # 8 ... Flow Rate :	2.6319E-05	cu m/s...	Re # :	1047.
Gap # 9 ... Flow Rate :	2.6322E-05	cu m/s...	Re # :	1047.
Gap #10 ... Flow Rate :	2.6321E-05	cu m/s...	Re # :	1047.
Gap #11 ... Flow Rate :	2.6303E-05	cu m/s...	Re # :	1047.
Gap #12 ... Flow Rate :	2.6285E-05	cu m/s...	Re # :	1046.
Gap #13 ... Flow Rate :	2.6266E-05	cu m/s...	Re # :	1045.
Gap #14 ... Flow Rate :	2.6275E-05	cu m/s...	Re # :	1045.
Gap #15 ... Flow Rate :	2.6230E-05	cu m/s...	Re # :	1046.
Gap #16 ... Flow Rate :	2.6277E-05	cu m/s...	Re # :	1046.
Gap #17 ... Flow Rate :	2.6266E-05	cu m/s...	Re # :	1045.
Gap #18 ... Flow Rate :	2.6287E-05	cu m/s...	Re # :	1046.
Gap #19 ... Flow Rate :	2.6292E-05	cu m/s...	Re # :	1046.
Gap #20 ... Flow Rate :	2.6256E-05	cu m/s...	Re # :	1045.
Gap #21 ... Flow Rate :	2.6230E-05	cu m/s...	Re # :	1046.
Gap #22 ... Flow Rate :	2.6272E-05	cu m/s...	Re # :	1045.
Gap #23 ... Flow Rate :	2.6258E-05	cu m/s...	Re # :	1045.
Gap #24 ... Flow Rate :	2.6252E-05	cu m/s...	Re # :	1045.
Gap #25 ... Flow Rate :	2.6249E-05	cu m/s...	Re # :	1044.
Gap #26 ... Flow Rate :	2.6259E-05	cu m/s...	Re # :	1045.
Gap #27 ... Flow Rate :	2.6266E-05	cu m/s...	Re # :	1045.
Gap #28 ... Flow Rate :	2.6265E-05	cu m/s...	Re # :	1045.
Gap #29 ... Flow Rate :	2.6285E-05	cu m/s...	Re # :	1046.
Gap #30 ... Flow Rate :	2.6274E-05	cu m/s...	Re # :	1045.
Gap #31 ... Flow Rate :	2.6262E-05	cu m/s...	Re # :	1045.
Gap #32 ... Flow Rate :	2.6260E-05	cu m/s...	Re # :	1045.
Gap #33 ... Flow Rate :	2.6272E-05	cu m/s...	Re # :	1045.
Gap #34 ... Flow Rate :	2.6266E-05	cu m/s...	Re # :	1045.
Gap #35 ... Flow Rate :	2.6273E-05	cu m/s...	Re # :	1046.
Gap #36 ... Flow Rate :	2.6296E-05	cu m/s...	Re # :	1046.
Gap #37 ... Flow Rate :	2.6258E-05	cu m/s...	Re # :	1045.
Gap #38 ... Flow Rate :	2.6281E-05	cu m/s...	Re # :	1046.
Gap #39 ... Flow Rate :	2.6301E-05	cu m/s...	Re # :	1046.
Gap #40 ... Flow Rate :	2.6297E-05	cu m/s...	Re # :	1046.
Gap #41 ... Flow Rate :	2.6237E-05	cu m/s...	Re # :	1046.
Gap #42 ... Flow Rate :	2.6298E-05	cu m/s...	Re # :	1046.
Gap #43 ... Flow Rate :	2.6308E-05	cu m/s...	Re # :	1047.
Gap #44 ... Flow Rate :	2.6307E-05	cu m/s...	Re # :	1047.
Gap #45 ... Flow Rate :	2.6275E-05	cu m/s...	Re # :	1045.
Gap #46 ... Flow Rate :	2.6296E-05	cu m/s...	Re # :	1046.
Gap #47 ... Flow Rate :	2.6303E-05	cu m/s...	Re # :	1047.
Gap #48 ... Flow Rate :	2.6289E-05	cu m/s...	Re # :	1046.

End of calculation.

FLOW RATE, REYNOLD # & NET FLOW BY INTERNAL PRESSURE : TES138

Test Parameters:

Wind Velocity Of Wind Tunnel is : 0.00 m/s.

Wind Angle is : 0 degree.

Type Of Flow : SHEAR / FIXED Q

Mechanical Ventilation : 1.4158E-03 cu m/s. (180.00 cfm)

All Gaps Are Open:

Total North side infiltration	:	3.7453E-04	cu m/s.
Total North side exfiltration	:	0.0000E+00	cu m/s.
Total East side infiltration	:	3.7452E-04	cu m/s.
Total East side exfiltration	:	0.0000E+00	cu m/s.
Total South side infiltration	:	3.7455E-04	cu m/s.
Total South side exfiltration	:	0.0000E+00	cu m/s.
Total West side infiltration	:	3.7443E-04	cu m/s.
Total West side exfiltration	:	0.0000E+00	cu m/s.

Net Flow Rate (Less Ventilation) : 8.2188E-05 cu m/s.

Gap # 1 ... Flow Rate :	3.1211E-05	cu m/s...	Re # :	1242.
Gap # 2 ... Flow Rate :	3.1199E-05	cu m/s...	Re # :	1241.
Gap # 3 ... Flow Rate :	3.1201E-05	cu m/s...	Re # :	1241.
Gap # 4 ... Flow Rate :	3.1214E-05	cu m/s...	Re # :	1242.
Gap # 5 ... Flow Rate :	3.1224E-05	cu m/s...	Re # :	1242.
Gap # 6 ... Flow Rate :	3.1217E-05	cu m/s...	Re # :	1242.
Gap # 7 ... Flow Rate :	3.1206E-05	cu m/s...	Re # :	1242.
Gap # 8 ... Flow Rate :	3.1201E-05	cu m/s...	Re # :	1241.
Gap # 9 ... Flow Rate :	3.1216E-05	cu m/s...	Re # :	1242.
Gap # 10 ... Flow Rate :	3.1211E-05	cu m/s...	Re # :	1242.
Gap # 11 ... Flow Rate :	3.1210E-05	cu m/s...	Re # :	1242.
Gap # 12 ... Flow Rate :	3.1215E-05	cu m/s...	Re # :	1242.
Gap # 13 ... Flow Rate :	3.1212E-05	cu m/s...	Re # :	1242.
Gap # 14 ... Flow Rate :	3.1204E-05	cu m/s...	Re # :	1242.
Gap # 15 ... Flow Rate :	3.1202E-05	cu m/s...	Re # :	1241.
Gap # 16 ... Flow Rate :	3.1206E-05	cu m/s...	Re # :	1242.
Gap # 17 ... Flow Rate :	3.1190E-05	cu m/s...	Re # :	1241.
Gap # 18 ... Flow Rate :	3.1193E-05	cu m/s...	Re # :	1241.
Gap # 19 ... Flow Rate :	3.1208E-05	cu m/s...	Re # :	1242.
Gap # 20 ... Flow Rate :	3.1221E-05	cu m/s...	Re # :	1242.
Gap # 21 ... Flow Rate :	3.1235E-05	cu m/s...	Re # :	1243.
Gap # 22 ... Flow Rate :	3.1213E-05	cu m/s...	Re # :	1242.
Gap # 23 ... Flow Rate :	3.1209E-05	cu m/s...	Re # :	1242.
Gap # 24 ... Flow Rate :	3.1226E-05	cu m/s...	Re # :	1242.
Gap # 25 ... Flow Rate :	3.1204E-05	cu m/s...	Re # :	1242.
Gap # 26 ... Flow Rate :	3.1204E-05	cu m/s...	Re # :	1242.
Gap # 27 ... Flow Rate :	3.1214E-05	cu m/s...	Re # :	1242.
Gap # 28 ... Flow Rate :	3.1225E-05	cu m/s...	Re # :	1242.
Gap # 29 ... Flow Rate :	3.1224E-05	cu m/s...	Re # :	1242.
Gap # 30 ... Flow Rate :	3.1213E-05	cu m/s...	Re # :	1242.
Gap # 31 ... Flow Rate :	3.1206E-05	cu m/s...	Re # :	1242.
Gap # 32 ... Flow Rate :	3.1211E-05	cu m/s...	Re # :	1242.
Gap # 33 ... Flow Rate :	3.1197E-05	cu m/s...	Re # :	1241.
Gap # 34 ... Flow Rate :	3.1212E-05	cu m/s...	Re # :	1242.
Gap # 35 ... Flow Rate :	3.1223E-05	cu m/s...	Re # :	1242.
Gap # 36 ... Flow Rate :	3.1219E-05	cu m/s...	Re # :	1242.
Gap # 37 ... Flow Rate :	3.1227E-05	cu m/s...	Re # :	1242.
Gap # 38 ... Flow Rate :	3.1222E-05	cu m/s...	Re # :	1242.
Gap # 39 ... Flow Rate :	3.1195E-05	cu m/s...	Re # :	1241.
Gap # 40 ... Flow Rate :	3.1174E-05	cu m/s...	Re # :	1240.
Gap # 41 ... Flow Rate :	3.1186E-05	cu m/s...	Re # :	1241.
Gap # 42 ... Flow Rate :	3.1178E-05	cu m/s...	Re # :	1241.
Gap # 43 ... Flow Rate :	3.1193E-05	cu m/s...	Re # :	1241.
Gap # 44 ... Flow Rate :	3.1215E-05	cu m/s...	Re # :	1242.
Gap # 45 ... Flow Rate :	3.1200E-05	cu m/s...	Re # :	1241.
Gap # 46 ... Flow Rate :	3.1208E-05	cu m/s...	Re # :	1242.
Gap # 47 ... Flow Rate :	3.1218E-05	cu m/s...	Re # :	1242.
Gap # 48 ... Flow Rate :	3.1218E-05	cu m/s...	Re # :	1242.

End of calculation.

FLOW RATE, REYNOLD # & NET FLOW BY INTERNAL PRESSURE : TES139

Test Parameters:

Wind Velocity Of Wind Tunnel is : 0.00 m/s.

Wind Angle is : 0 degree.

Type Of Flow : SHEAR / FIXED Q

Mechanical Ventilation : 1.6513E-03 cu m/s. (210.00 cfm)

All Gaps Are Open.

Total North side infiltration	:	4.3284E-04	cu m/s.
Total North side exfiltration	:	0.0000E+00	cu m/s.
Total East side infiltration	:	4.3258E-04	cu m/s.
Total East side exfiltration	:	0.0000E+00	cu m/s.
Total South side infiltration	:	4.3268E-04	cu m/s.
Total South side exfiltration	:	0.0000E+00	cu m/s.
Total West side infiltration	:	4.3264E-04	cu m/s.
Total West side exfiltration	:	0.0000E+00	cu m/s.

Net Flow Rate (Less Ventilation) : 7.6920E-05 cu m/s.

Gap # 1 ... Flow Rate :	3.6053E-05	cu m/s...	Re # :	1434.
Gap # 2 ... Flow Rate :	3.6056E-05	cu m/s...	Re # :	1435.
Gap # 3 ... Flow Rate :	3.6077E-05	cu m/s...	Re # :	1435.
Gap # 4 ... Flow Rate :	3.6095E-05	cu m/s...	Re # :	1436.
Gap # 5 ... Flow Rate :	3.6058E-05	cu m/s...	Re # :	1435.
Gap # 6 ... Flow Rate :	3.6057E-05	cu m/s...	Re # :	1435.
Gap # 7 ... Flow Rate :	3.6055E-05	cu m/s...	Re # :	1435.
Gap # 8 ... Flow Rate :	3.6055E-05	cu m/s...	Re # :	1435.
Gap # 9 ... Flow Rate :	3.6062E-05	cu m/s...	Re # :	1435.
Gap # 10 ... Flow Rate :	3.6084E-05	cu m/s...	Re # :	1436.
Gap # 11 ... Flow Rate :	3.6036E-05	cu m/s...	Re # :	1436.
Gap # 12 ... Flow Rate :	3.6086E-05	cu m/s...	Re # :	1436.
Gap # 13 ... Flow Rate :	3.6034E-05	cu m/s...	Re # :	1434.
Gap # 14 ... Flow Rate :	3.6046E-05	cu m/s...	Re # :	1434.
Gap # 15 ... Flow Rate :	3.6053E-05	cu m/s...	Re # :	1435.
Gap # 16 ... Flow Rate :	3.6049E-05	cu m/s...	Re # :	1434.
Gap # 17 ... Flow Rate :	3.6039E-05	cu m/s...	Re # :	1434.
Gap # 18 ... Flow Rate :	3.6047E-05	cu m/s...	Re # :	1434.
Gap # 19 ... Flow Rate :	3.6054E-05	cu m/s...	Re # :	1435.
Gap # 20 ... Flow Rate :	3.6052E-05	cu m/s...	Re # :	1434.
Gap # 21 ... Flow Rate :	3.6067E-05	cu m/s...	Re # :	1435.
Gap # 22 ... Flow Rate :	3.6059E-05	cu m/s...	Re # :	1435.
Gap # 23 ... Flow Rate :	3.6045E-05	cu m/s...	Re # :	1434.
Gap # 24 ... Flow Rate :	3.6038E-05	cu m/s...	Re # :	1434.
Gap # 25 ... Flow Rate :	3.6048E-05	cu m/s...	Re # :	1434.
Gap # 26 ... Flow Rate :	3.6050E-05	cu m/s...	Re # :	1434.
Gap # 27 ... Flow Rate :	3.6051E-05	cu m/s...	Re # :	1434.
Gap # 28 ... Flow Rate :	3.6049E-05	cu m/s...	Re # :	1434.
Gap # 29 ... Flow Rate :	3.6045E-05	cu m/s...	Re # :	1434.
Gap # 30 ... Flow Rate :	3.6041E-05	cu m/s...	Re # :	1434.
Gap # 31 ... Flow Rate :	3.6059E-05	cu m/s...	Re # :	1435.
Gap # 32 ... Flow Rate :	3.6080E-05	cu m/s...	Re # :	1436.
Gap # 33 ... Flow Rate :	3.6063E-05	cu m/s...	Re # :	1435.
Gap # 34 ... Flow Rate :	3.6067E-05	cu m/s...	Re # :	1435.
Gap # 35 ... Flow Rate :	3.6067E-05	cu m/s...	Re # :	1435.
Gap # 36 ... Flow Rate :	3.6062E-05	cu m/s...	Re # :	1435.
Gap # 37 ... Flow Rate :	3.6017E-05	cu m/s...	Re # :	1433.
Gap # 38 ... Flow Rate :	3.6035E-05	cu m/s...	Re # :	1434.
Gap # 39 ... Flow Rate :	3.6058E-05	cu m/s...	Re # :	1435.
Gap # 40 ... Flow Rate :	3.6064E-05	cu m/s...	Re # :	1435.
Gap # 41 ... Flow Rate :	3.6062E-05	cu m/s...	Re # :	1435.
Gap # 42 ... Flow Rate :	3.6069E-05	cu m/s...	Re # :	1435.
Gap # 43 ... Flow Rate :	3.6060E-05	cu m/s...	Re # :	1435.
Gap # 44 ... Flow Rate :	3.6043E-05	cu m/s...	Re # :	1434.
Gap # 45 ... Flow Rate :	3.6076E-05	cu m/s...	Re # :	1435.
Gap # 46 ... Flow Rate :	3.6084E-05	cu m/s...	Re # :	1436.
Gap # 47 ... Flow Rate :	3.6054E-05	cu m/s...	Re # :	1435.
Gap # 48 ... Flow Rate :	3.6016E-05	cu m/s...	Re # :	1433.

End of calculation.

FLOW RATE, REYNOLD / & NET FLOW BY INTERNAL PRESSURE : TES160

Test Parameters:

Wind Velocity Of Wind Tunnel is : 0.00 m/s.

Wind Angle is : 0 degree.

Type Of Flow : UNIFORM / FIXED Q

Mechanical Ventilation : 7.0792E-04 cu m/s. (90.00 cfm)

All Gaps Are Open.

Total North side infiltration	:	1.9120E-04	cu m/s.
Total North side exfiltration	:	0.0000E+00	cu m/s.
Total East side infiltration	:	1.9134E-04	cu m/s.
Total East side exfiltration	:	0.0000E+00	cu m/s.
Total South side infiltration	:	1.9111E-04	cu m/s.
Total South side exfiltration	:	0.0000E+00	cu m/s.
Total West side infiltration	:	1.9084E-04	cu m/s.
Total West side exfiltration	:	0.0000E+00	cu m/s.

Net Flow Rate (Less Ventilation) : 5.6578E-05 cu m/s.

Gap # 1 ... Flow Rate :	1.5928E-05	cu m/s...	Re # :	634.
Gap # 2 ... Flow Rate :	1.5920E-05	cu m/s...	Re # :	633.
Gap # 3 ... Flow Rate :	1.5950E-05	cu m/s...	Re # :	635.
Gap # 4 ... Flow Rate :	1.5988E-05	cu m/s...	Re # :	636.
Gap # 5 ... Flow Rate :	1.5920E-05	cu m/s...	Re # :	633.
Gap # 6 ... Flow Rate :	1.5958E-05	cu m/s...	Re # :	635.
Gap # 7 ... Flow Rate :	1.5963E-05	cu m/s...	Re # :	635.
Gap # 8 ... Flow Rate :	1.5930E-05	cu m/s...	Re # :	634.
Gap # 9 ... Flow Rate :	1.5878E-05	cu m/s...	Re # :	632.
Gap # 10 ... Flow Rate :	1.5915E-05	cu m/s...	Re # :	633.
Gap # 11 ... Flow Rate :	1.5934E-05	cu m/s...	Re # :	634.
Gap # 12 ... Flow Rate :	1.5915E-05	cu m/s...	Re # :	633.
Gap # 13 ... Flow Rate :	1.5963E-05	cu m/s...	Re # :	635.
Gap # 14 ... Flow Rate :	1.5953E-05	cu m/s...	Re # :	635.
Gap # 15 ... Flow Rate :	1.6006E-05	cu m/s...	Re # :	637.
Gap # 16 ... Flow Rate :	1.6070E-05	cu m/s...	Re # :	639.
Gap # 17 ... Flow Rate :	1.5936E-05	cu m/s...	Re # :	634.
Gap # 18 ... Flow Rate :	1.5926E-05	cu m/s...	Re # :	634.
Gap # 19 ... Flow Rate :	1.5900E-05	cu m/s...	Re # :	633.
Gap # 20 ... Flow Rate :	1.5884E-05	cu m/s...	Re # :	632.
Gap # 21 ... Flow Rate :	1.5926E-05	cu m/s...	Re # :	634.
Gap # 22 ... Flow Rate :	1.5936E-05	cu m/s...	Re # :	634.
Gap # 23 ... Flow Rate :	1.5930E-05	cu m/s...	Re # :	634.
Gap # 24 ... Flow Rate :	1.5914E-05	cu m/s...	Re # :	633.
Gap # 25 ... Flow Rate :	1.5926E-05	cu m/s...	Re # :	634.
Gap # 26 ... Flow Rate :	1.5935E-05	cu m/s...	Re # :	634.
Gap # 27 ... Flow Rate :	1.5924E-05	cu m/s...	Re # :	634.
Gap # 28 ... Flow Rate :	1.5904E-05	cu m/s...	Re # :	633.
Gap # 29 ... Flow Rate :	1.5984E-05	cu m/s...	Re # :	636.
Gap # 30 ... Flow Rate :	1.5927E-05	cu m/s...	Re # :	634.
Gap # 31 ... Flow Rate :	1.5902E-05	cu m/s...	Re # :	633.
Gap # 32 ... Flow Rate :	1.5935E-05	cu m/s...	Re # :	634.
Gap # 33 ... Flow Rate :	1.5928E-05	cu m/s...	Re # :	634.
Gap # 34 ... Flow Rate :	1.5920E-05	cu m/s...	Re # :	633.
Gap # 35 ... Flow Rate :	1.5914E-05	cu m/s...	Re # :	633.
Gap # 36 ... Flow Rate :	1.5916E-05	cu m/s...	Re # :	633.
Gap # 37 ... Flow Rate :	1.5876E-05	cu m/s...	Re # :	632.
Gap # 38 ... Flow Rate :	1.5891E-05	cu m/s...	Re # :	632.
Gap # 39 ... Flow Rate :	1.5908E-05	cu m/s...	Re # :	633.
Gap # 40 ... Flow Rate :	1.5909E-05	cu m/s...	Re # :	633.
Gap # 41 ... Flow Rate :	1.5833E-05	cu m/s...	Re # :	630.
Gap # 42 ... Flow Rate :	1.5890E-05	cu m/s...	Re # :	632.
Gap # 43 ... Flow Rate :	1.5911E-05	cu m/s...	Re # :	633.
Gap # 44 ... Flow Rate :	1.5876E-05	cu m/s...	Re # :	632.
Gap # 45 ... Flow Rate :	1.5911E-05	cu m/s...	Re # :	633.
Gap # 46 ... Flow Rate :	1.5934E-05	cu m/s...	Re # :	634.
Gap # 47 ... Flow Rate :	1.5954E-05	cu m/s...	Re # :	635.
Gap # 48 ... Flow Rate :	1.5951E-05	cu m/s...	Re # :	635.

End of calculation.

FLOW RATE, REYNOLD # & NET FLOW BY INTERNAL PRESSURE : TES161

Test Parameters:

Wind Velocity Of Wind Tunnel is : 0.00 m/s.

Wind Angle is : 0 degree.

Type Of Flow : UNIFORM / FIXED Q

Mechanical Ventilation : 9.4389E-04 cu m/s. (120.00 cfm)

All Gaps Are Open.

Total North side infiltration	:	2.5403E-04	cu m/s.
Total North side exfiltration	:	0.0000E+00	cu m/s.
Total East side infiltration	:	2.5337E-04	cu m/s.
Total East side exfiltration	:	0.0000E+00	cu m/s.
Total South side infiltration	:	2.5421E-04	cu m/s.
Total South side exfiltration	:	0.0000E+00	cu m/s.
Total West side infiltration	:	2.5376E-04	cu m/s.
Total West side exfiltration	:	0.0000E+00	cu m/s.

Net Flow Rate (Less Ventilation) : 7.1978E-05 cu m/s.

Gap # 1 ... Flow Rate :	2.1179E-05	cu m/s...	Re # :	843.
Gap # 2 ... Flow Rate :	2.1172E-05	cu m/s...	Re # :	842.
Gap # 3 ... Flow Rate :	2.1188E-05	cu m/s...	Re # :	843.
Gap # 4 ... Flow Rate :	2.1210E-05	cu m/s...	Re # :	844.
Gap # 5 ... Flow Rate :	2.1162E-05	cu m/s...	Re # :	842.
Gap # 6 ... Flow Rate :	2.1184E-05	cu m/s...	Re # :	843.
Gap # 7 ... Flow Rate :	2.1184E-05	cu m/s...	Re # :	843.
Gap # 8 ... Flow Rate :	2.1162E-05	cu m/s...	Re # :	842.
Gap # 9 ... Flow Rate :	2.1156E-05	cu m/s...	Re # :	842.
Gap # 10 ... Flow Rate :	2.1163E-05	cu m/s...	Re # :	842.
Gap # 11 ... Flow Rate :	2.1143E-05	cu m/s...	Re # :	841.
Gap # 12 ... Flow Rate :	2.1125E-05	cu m/s...	Re # :	841.
Gap # 13 ... Flow Rate :	2.1152E-05	cu m/s...	Re # :	842.
Gap # 14 ... Flow Rate :	2.1153E-05	cu m/s...	Re # :	842.
Gap # 15 ... Flow Rate :	2.1141E-05	cu m/s...	Re # :	841.
Gap # 16 ... Flow Rate :	2.1127E-05	cu m/s...	Re # :	841.
Gap # 17 ... Flow Rate :	2.1166E-05	cu m/s...	Re # :	842.
Gap # 18 ... Flow Rate :	2.1154E-05	cu m/s...	Re # :	842.
Gap # 19 ... Flow Rate :	2.1162E-05	cu m/s...	Re # :	842.
Gap # 20 ... Flow Rate :	2.1183E-05	cu m/s...	Re # :	843.
Gap # 21 ... Flow Rate :	2.1182E-05	cu m/s...	Re # :	843.
Gap # 22 ... Flow Rate :	2.1165E-05	cu m/s...	Re # :	842.
Gap # 23 ... Flow Rate :	2.1146E-05	cu m/s...	Re # :	841.
Gap # 24 ... Flow Rate :	2.1143E-05	cu m/s...	Re # :	841.
Gap # 25 ... Flow Rate :	2.1182E-05	cu m/s...	Re # :	843.
Gap # 26 ... Flow Rate :	2.1171E-05	cu m/s...	Re # :	842.
Gap # 27 ... Flow Rate :	2.1166E-05	cu m/s...	Re # :	842.
Gap # 28 ... Flow Rate :	2.1171E-05	cu m/s...	Re # :	842.
Gap # 29 ... Flow Rate :	2.1183E-05	cu m/s...	Re # :	843.
Gap # 30 ... Flow Rate :	2.1183E-05	cu m/s...	Re # :	843.
Gap # 31 ... Flow Rate :	2.1199E-05	cu m/s...	Re # :	843.
Gap # 32 ... Flow Rate :	2.1215E-05	cu m/s...	Re # :	844.
Gap # 33 ... Flow Rate :	2.1133E-05	cu m/s...	Re # :	841.
Gap # 34 ... Flow Rate :	2.1153E-05	cu m/s...	Re # :	842.
Gap # 35 ... Flow Rate :	2.1211E-05	cu m/s...	Re # :	844.
Gap # 36 ... Flow Rate :	2.1238E-05	cu m/s...	Re # :	845.
Gap # 37 ... Flow Rate :	2.1144E-05	cu m/s...	Re # :	841.
Gap # 38 ... Flow Rate :	2.1146E-05	cu m/s...	Re # :	841.
Gap # 39 ... Flow Rate :	2.1145E-05	cu m/s...	Re # :	841.
Gap # 40 ... Flow Rate :	2.1141E-05	cu m/s...	Re # :	841.
Gap # 41 ... Flow Rate :	2.1082E-05	cu m/s...	Re # :	839.
Gap # 42 ... Flow Rate :	2.1121E-05	cu m/s...	Re # :	840.
Gap # 43 ... Flow Rate :	2.1163E-05	cu m/s...	Re # :	842.
Gap # 44 ... Flow Rate :	2.1165E-05	cu m/s...	Re # :	842.
Gap # 45 ... Flow Rate :	2.1092E-05	cu m/s...	Re # :	839.
Gap # 46 ... Flow Rate :	2.1145E-05	cu m/s...	Re # :	841.
Gap # 47 ... Flow Rate :	2.1204E-05	cu m/s...	Re # :	844.
Gap # 48 ... Flow Rate :	2.1211E-05	cu m/s...	Re # :	844.

End of calculation.

FLOW RATE, REYNOLD # & NET FLOW BY INTERNAL PRESSURE : TES162

Test Parameters:

Wind Velocity Of Wind Tunnel is : 0.00 m/s.

Wind Angle is : 0 degree.

Type Of Flow : UNIFORM / FIXED Q

Mechanical Ventilation : 1.1799E-03 cu m/s. (150.00 cfm)

All Gaps Are Open.

Total North side infiltration : 3.1731E-04 cu m/s.
 Total North side exfiltration : 0.0000E+00 cu m/s.
 Total East side infiltration : 3.1739E-04 cu m/s.
 Total East side exfiltration : 0.0000E+00 cu m/s.
 Total South side infiltration : 3.1693E-04 cu m/s.
 Total South side exfiltration : 0.0000E+00 cu m/s.
 Total West side infiltration : 3.1712E-04 cu m/s.
 Total West side exfiltration : 0.0000E+00 cu m/s.

Net Flow Rate (Less Ventilation) : 8.8377E-05 cu m/s.

Gap # 1 ... Flow Rate :	2.6420E-05	cu m/s...	Re # :	1051.
Gap # 2 ... Flow Rate :	2.6432E-05	cu m/s...	Re # :	1052.
Gap # 3 ... Flow Rate :	2.6474E-05	cu m/s...	Re # :	1053.
Gap # 4 ... Flow Rate :	2.6504E-05	cu m/s...	Re # :	1055.
Gap # 5 ... Flow Rate :	2.6492E-05	cu m/s...	Re # :	1054.
Gap # 6 ... Flow Rate :	2.6467E-05	cu m/s...	Re # :	1053.
Gap # 7 ... Flow Rate :	2.6450E-05	cu m/s...	Re # :	1052.
Gap # 8 ... Flow Rate :	2.6447E-05	cu m/s...	Re # :	1052.
Gap # 9 ... Flow Rate :	2.6391E-05	cu m/s...	Re # :	1050.
Gap # 10 ... Flow Rate :	2.6410E-05	cu m/s...	Re # :	1051.
Gap # 11 ... Flow Rate :	2.6420E-05	cu m/s...	Re # :	1051.
Gap # 12 ... Flow Rate :	2.6412E-05	cu m/s...	Re # :	1051.
Gap # 13 ... Flow Rate :	2.6574E-05	cu m/s...	Re # :	1057.
Gap # 14 ... Flow Rate :	2.6493E-05	cu m/s...	Re # :	1054.
Gap # 15 ... Flow Rate :	2.6424E-05	cu m/s...	Re # :	1051.
Gap # 16 ... Flow Rate :	2.6437E-05	cu m/s...	Re # :	1052.
Gap # 17 ... Flow Rate :	2.6420E-05	cu m/s...	Re # :	1051.
Gap # 18 ... Flow Rate :	2.6428E-05	cu m/s...	Re # :	1052.
Gap # 19 ... Flow Rate :	2.6447E-05	cu m/s...	Re # :	1052.
Gap # 20 ... Flow Rate :	2.6459E-05	cu m/s...	Re # :	1053.
Gap # 21 ... Flow Rate :	2.6431E-05	cu m/s...	Re # :	1052.
Gap # 22 ... Flow Rate :	2.6446E-05	cu m/s...	Re # :	1052.
Gap # 23 ... Flow Rate :	2.6430E-05	cu m/s...	Re # :	1052.
Gap # 24 ... Flow Rate :	2.6399E-05	cu m/s...	Re # :	1050.
Gap # 25 ... Flow Rate :	2.6434E-05	cu m/s...	Re # :	1052.
Gap # 26 ... Flow Rate :	2.6429E-05	cu m/s...	Re # :	1052.
Gap # 27 ... Flow Rate :	2.6427E-05	cu m/s...	Re # :	1051.
Gap # 28 ... Flow Rate :	2.6429E-05	cu m/s...	Re # :	1052.
Gap # 29 ... Flow Rate :	2.6435E-05	cu m/s...	Re # :	1052.
Gap # 30 ... Flow Rate :	2.6438E-05	cu m/s...	Re # :	1052.
Gap # 31 ... Flow Rate :	2.6400E-05	cu m/s...	Re # :	1050.
Gap # 32 ... Flow Rate :	2.6381E-05	cu m/s...	Re # :	1050.
Gap # 33 ... Flow Rate :	2.6394E-05	cu m/s...	Re # :	1050.
Gap # 34 ... Flow Rate :	2.6406E-05	cu m/s...	Re # :	1051.
Gap # 35 ... Flow Rate :	2.6396E-05	cu m/s...	Re # :	1050.
Gap # 36 ... Flow Rate :	2.6374E-05	cu m/s...	Re # :	1049.
Gap # 37 ... Flow Rate :	2.6482E-05	cu m/s...	Re # :	1054.
Gap # 38 ... Flow Rate :	2.6461E-05	cu m/s...	Re # :	1053.
Gap # 39 ... Flow Rate :	2.6424E-05	cu m/s...	Re # :	1051.
Gap # 40 ... Flow Rate :	2.6408E-05	cu m/s...	Re # :	1051.
Gap # 41 ... Flow Rate :	2.6426E-05	cu m/s...	Re # :	1051.
Gap # 42 ... Flow Rate :	2.6422E-05	cu m/s...	Re # :	1051.
Gap # 43 ... Flow Rate :	2.6421E-05	cu m/s...	Re # :	1051.
Gap # 44 ... Flow Rate :	2.6425E-05	cu m/s...	Re # :	1051.
Gap # 45 ... Flow Rate :	2.6399E-05	cu m/s...	Re # :	1050.
Gap # 46 ... Flow Rate :	2.6408E-05	cu m/s...	Re # :	1051.
Gap # 47 ... Flow Rate :	2.6419E-05	cu m/s...	Re # :	1051.
Gap # 48 ... Flow Rate :	2.6421E-05	cu m/s...	Re # :	1051.

End of calculation.

FLOW RATE, REYNOLD & NET FLOW BY INTERNAL PRESSURE : TES163

Test Parameters:

Wind Velocity Of Wind Tunnel is : 0.00 m/s.

Wind Angle is : 0 degree.

Type Of Flow : UNIFORM / FIXED Q

Mechanical Ventilation : 1.4158E-03 cu m/s. (180.00 cfm)

All Gaps Are Open.

Total North side infiltration	:	3.7465E-04	cu m/s.
Total North side exfiltration	:	0.0000E+00	cu m/s.
Total East side infiltration	:	3.7474E-04	cu m/s.
Total East side exfiltration	:	0.0000E+00	cu m/s.
Total South side infiltration	:	3.7473E-04	cu m/s.
Total South side exfiltration	:	0.0000E+00	cu m/s.
Total West side infiltration	:	3.7451E-04	cu m/s.
Total West side exfiltration	:	0.0000E+00	cu m/s.

Net Flow Rate (Less Ventilation) : 8.2969E-05 cu m/s.

Gap # 1 ... Flow Rate :	3.1263E-05	cu m/s...	Re # :	1244.
Gap # 2 ... Flow Rate :	3.1256E-05	cu m/s...	Re # :	1244.
Gap # 3 ... Flow Rate :	3.1230E-05	cu m/s...	Re # :	1243.
Gap # 4 ... Flow Rate :	3.1211E-05	cu m/s...	Re # :	1242.
Gap # 5 ... Flow Rate :	3.1282E-05	cu m/s...	Re # :	1245.
Gap # 6 ... Flow Rate :	3.1244E-05	cu m/s...	Re # :	1243.
Gap # 7 ... Flow Rate :	3.1222E-05	cu m/s...	Re # :	1242.
Gap # 8 ... Flow Rate :	3.1238E-05	cu m/s...	Re # :	1243.
Gap # 9 ... Flow Rate :	3.1192E-05	cu m/s...	Re # :	1241.
Gap # 10 ... Flow Rate :	3.1225E-05	cu m/s...	Re # :	1242.
Gap # 11 ... Flow Rate :	3.1247E-05	cu m/s...	Re # :	1243.
Gap # 12 ... Flow Rate :	3.1236E-05	cu m/s...	Re # :	1243.
Gap # 13 ... Flow Rate :	3.1196E-05	cu m/s...	Re # :	1241.
Gap # 14 ... Flow Rate :	3.1232E-05	cu m/s...	Re # :	1243.
Gap # 15 ... Flow Rate :	3.1253E-05	cu m/s...	Re # :	1244.
Gap # 16 ... Flow Rate :	3.1237E-05	cu m/s...	Re # :	1243.
Gap # 17 ... Flow Rate :	3.1198E-05	cu m/s...	Re # :	1241.
Gap # 18 ... Flow Rate :	3.1219E-05	cu m/s...	Re # :	1242.
Gap # 19 ... Flow Rate :	3.1248E-05	cu m/s...	Re # :	1243.
Gap # 20 ... Flow Rate :	3.1257E-05	cu m/s...	Re # :	1244.
Gap # 21 ... Flow Rate :	3.1237E-05	cu m/s...	Re # :	1243.
Gap # 22 ... Flow Rate :	3.1231E-05	cu m/s...	Re # :	1243.
Gap # 23 ... Flow Rate :	3.1220E-05	cu m/s...	Re # :	1242.
Gap # 24 ... Flow Rate :	3.1216E-05	cu m/s...	Re # :	1242.
Gap # 25 ... Flow Rate :	3.1219E-05	cu m/s...	Re # :	1242.
Gap # 26 ... Flow Rate :	3.1228E-05	cu m/s...	Re # :	1243.
Gap # 27 ... Flow Rate :	3.1233E-05	cu m/s...	Re # :	1243.
Gap # 28 ... Flow Rate :	3.1228E-05	cu m/s...	Re # :	1243.
Gap # 29 ... Flow Rate :	3.1273E-05	cu m/s...	Re # :	1244.
Gap # 30 ... Flow Rate :	3.1244E-05	cu m/s...	Re # :	1243.
Gap # 31 ... Flow Rate :	3.1196E-05	cu m/s...	Re # :	1241.
Gap # 32 ... Flow Rate :	3.1176E-05	cu m/s...	Re # :	1240.
Gap # 33 ... Flow Rate :	3.1195E-05	cu m/s...	Re # :	1241.
Gap # 34 ... Flow Rate :	3.1240E-05	cu m/s...	Re # :	1243.
Gap # 35 ... Flow Rate :	3.1261E-05	cu m/s...	Re # :	1244.
Gap # 36 ... Flow Rate :	3.1238E-05	cu m/s...	Re # :	1243.
Gap # 37 ... Flow Rate :	3.1214E-05	cu m/s...	Re # :	1242.
Gap # 38 ... Flow Rate :	3.1232E-05	cu m/s...	Re # :	1243.
Gap # 39 ... Flow Rate :	3.1222E-05	cu m/s...	Re # :	1242.
Gap # 40 ... Flow Rate :	3.1195E-05	cu m/s...	Re # :	1241.
Gap # 41 ... Flow Rate :	3.1236E-05	cu m/s...	Re # :	1243.
Gap # 42 ... Flow Rate :	3.1233E-05	cu m/s...	Re # :	1243.
Gap # 43 ... Flow Rate :	3.1229E-05	cu m/s...	Re # :	1243.
Gap # 44 ... Flow Rate :	3.1229E-05	cu m/s...	Re # :	1243.
Gap # 45 ... Flow Rate :	3.1226E-05	cu m/s...	Re # :	1242.
Gap # 46 ... Flow Rate :	3.1212E-05	cu m/s...	Re # :	1242.
Gap # 47 ... Flow Rate :	3.1160E-05	cu m/s...	Re # :	1240.
Gap # 48 ... Flow Rate :	3.1122E-05	cu m/s...	Re # :	1238.

End of calculation.

APPENDIX G

RESULTS OF AIR INFILTRATION RATES
DUE TO THE COMBINED OF BOTH ACTIONS

LIST OF TABLES OF AIR INFILTRATION/EXFILTRATION RATES

TEST	TAPE	V(m/s)	ANGLE	T.FLOW	F.RATE	L.OPEN	
1	TES148	4	10 m/s	0	SHEAR	120	ALL OPEN
2	TES149	4	10 m/s	0	SHEAR	150	ALL OPEN
3	TES140	4	10 m/s	0	SHEAR	180	ALL OPEN
4	TES150	4	10 m/s	0	SHEAR	210	ALL OPEN
5	TES141	4	10 m/s	30	SHEAR	180	ALL OPEN
6	TES142	4	10 m/s	45	SHEAR	180	ALL OPEN
7	TES143	4	10 m/s	60	SHEAR	190	ALL OPEN
8	TES144	4	5 m/s	0	SHEAR	180	ALL OPEN
9	TES145	4	7.25m/s	0	SHEAR	180	ALL OPEN
10	TES146	4	12.5m/s	0	SHEAR	180	ALL OPEN
11	TES159	4	10 m/s	0	UNIFORM	90	ALL OPEN
12	TES157	4	10 m/s	0	UNIFORM	120	ALL OPEN
13	TES158	4	10 m/s	0	UNIFORM	150	ALL OPEN
14	TES153	4	10 m/s	0	UNIFORM	180	ALL OPEN
15	TES154	4	10 m/s	30	UNIFORM	180	ALL OPEN
16	TES155	4	10 m/s	45	UNIFORM	180	ALL OPEN
17	TES156	4	10 m/s	60	UNIFORM	180	ALL OPEN
18	TES151	4	5 m/s	0	UNIFORM	180	ALL OPEN
19	TES152	4	7.25m/s	0	UNIFORM	180	ALL OPEN

FLOW RATE, REYNOLD # & NET FLOW BY INTERNAL PRESSURE : TES148

Test Parameters:

Wind Velocity Of Wind Tunnel Is : 10.03 m/s.

Wind Angle Is : 0 degree.

Type Of Flow : SHEAR / FIXED Q

Mechanical Ventilation : 9.4389E-04 cu m/s. (120.00 cfm)

All Gaps Are Open.

Total North side infiltration	:	3.8711E-04	cu m/s.
Total North side exfiltration	:	0.0000E+00	cu m/s.
Total East side infiltration	:	1.9990E-04	cu m/s.
Total East side exfiltration	:	0.0000E+00	cu m/s.
Total South side infiltration	:	2.7199E-04	cu m/s.
Total South side exfiltration	:	0.0000E+00	cu m/s.
Total West side infiltration	:	2.0857E-04	cu m/s.
Total West side exfiltration	:	0.0000E+00	cu m/s.

Net Flow Rate (Less Ventilation) : 1.2367E-04 cu m/s.

Gap # 1 ... Flow Rate :	3.3493E-05	cu m/s...	Re # :	1333.
Gap # 2 ... Flow Rate :	3.3979E-05	cu m/s...	Re # :	1352.
Gap # 3 ... Flow Rate :	3.3729E-05	cu m/s...	Re # :	1342.
Gap # 4 ... Flow Rate :	3.2984E-05	cu m/s...	Re # :	1312.
Gap # 5 ... Flow Rate :	3.2709E-05	cu m/s...	Re # :	1301.
Gap # 6 ... Flow Rate :	3.2936E-05	cu m/s...	Re # :	1310.
Gap # 7 ... Flow Rate :	3.2497E-05	cu m/s...	Re # :	1293.
Gap # 8 ... Flow Rate :	3.1320E-05	cu m/s...	Re # :	1266.
Gap # 9 ... Flow Rate :	3.1633E-05	cu m/s...	Re # :	1259.
Gap # 10 ... Flow Rate :	3.1217E-05	cu m/s...	Re # :	1242.
Gap # 11 ... Flow Rate :	3.0305E-05	cu m/s...	Re # :	1206.
Gap # 12 ... Flow Rate :	2.9806E-05	cu m/s...	Re # :	1186.
Gap # 13 ... Flow Rate :	1.9025E-05	cu m/s...	Re # :	757.
Gap # 14 ... Flow Rate :	1.7075E-05	cu m/s...	Re # :	679.
Gap # 15 ... Flow Rate :	1.4807E-05	cu m/s...	Re # :	589.
Gap # 16 ... Flow Rate :	1.4694E-05	cu m/s...	Re # :	585.
Gap # 17 ... Flow Rate :	1.8841E-05	cu m/s...	Re # :	750.
Gap # 18 ... Flow Rate :	1.7038E-05	cu m/s...	Re # :	678.
Gap # 19 ... Flow Rate :	1.5131E-05	cu m/s...	Re # :	602.
Gap # 20 ... Flow Rate :	1.5204E-05	cu m/s...	Re # :	605.
Gap # 21 ... Flow Rate :	2.0904E-05	cu m/s...	Re # :	832.
Gap # 22 ... Flow Rate :	1.8701E-05	cu m/s...	Re # :	744.
Gap # 23 ... Flow Rate :	1.4945E-05	cu m/s...	Re # :	595.
Gap # 24 ... Flow Rate :	1.3536E-05	cu m/s...	Re # :	539.
Gap # 25 ... Flow Rate :	2.2449E-05	cu m/s...	Re # :	893.
Gap # 26 ... Flow Rate :	2.2498E-05	cu m/s...	Re # :	895.
Gap # 27 ... Flow Rate :	2.2414E-05	cu m/s...	Re # :	892.
Gap # 28 ... Flow Rate :	2.2280E-05	cu m/s...	Re # :	886.
Gap # 29 ... Flow Rate :	2.2382E-05	cu m/s...	Re # :	891.
Gap # 30 ... Flow Rate :	2.2685E-05	cu m/s...	Re # :	903.
Gap # 31 ... Flow Rate :	2.2832E-05	cu m/s...	Re # :	908.
Gap # 32 ... Flow Rate :	2.2678E-05	cu m/s...	Re # :	902.
Gap # 33 ... Flow Rate :	2.2866E-05	cu m/s...	Re # :	910.
Gap # 34 ... Flow Rate :	2.2931E-05	cu m/s...	Re # :	912.
Gap # 35 ... Flow Rate :	2.2989E-05	cu m/s...	Re # :	915.
Gap # 36 ... Flow Rate :	2.2982E-05	cu m/s...	Re # :	914.
Gap # 37 ... Flow Rate :	1.6181E-05	cu m/s...	Re # :	644.
Gap # 38 ... Flow Rate :	1.5941E-05	cu m/s...	Re # :	634.
Gap # 39 ... Flow Rate :	1.7567E-05	cu m/s...	Re # :	699.
Gap # 40 ... Flow Rate :	1.9283E-05	cu m/s...	Re # :	767.
Gap # 41 ... Flow Rate :	1.7062E-05	cu m/s...	Re # :	679.
Gap # 42 ... Flow Rate :	1.6973E-05	cu m/s...	Re # :	675.
Gap # 43 ... Flow Rate :	1.7703E-05	cu m/s...	Re # :	704.
Gap # 44 ... Flow Rate :	1.8491E-05	cu m/s...	Re # :	736.
Gap # 45 ... Flow Rate :	1.5475E-05	cu m/s...	Re # :	616.
Gap # 46 ... Flow Rate :	1.5893E-05	cu m/s...	Re # :	632.
Gap # 47 ... Flow Rate :	1.8152E-05	cu m/s...	Re # :	722.
Gap # 48 ... Flow Rate :	1.9854E-05	cu m/s...	Re # :	790.

End of calculation.

FLOW RATE, REYNOLD # & NET FLOW BY INTERNAL PRESSURE : TES149

Test Parameters:

Wind Velocity Of Wind Tunnel is : 10.00 m/s.

Wind Angle is : 0 degree.

Type Of Flow : SHEAR / FIXED Q

Mechanical Ventilation : 1.1799E-03 cu m/s. (150.00 cfm)

All Gaps Are Open.

Total North side infiltration	:	4.2596E-04	cu m/s.
Total North side exfiltration	:	0.0000E+00	cu m/s.
Total East side infiltration	:	2.7521E-04	cu m/s.
Total East side exfiltration	:	0.0000E+00	cu m/s.
Total South side infiltration	:	3.3278E-04	cu m/s.
Total South side exfiltration	:	0.0000E+00	cu m/s.
Total West side infiltration	:	2.3211E-04	cu m/s.
Total West side exfiltration	:	0.0000E+00	cu m/s.

Net Flow Rate (Less Ventilation) : 1.3619E-04 cu m/s.

Gap # 1 ... Flow Rate :	3.6632E-05	cu m/s...	Re # :	1458.
Gap # 2 ... Flow Rate :	3.6616E-05	cu m/s...	Re # :	1457.
Gap # 3 ... Flow Rate :	3.6245E-05	cu m/s...	Re # :	1442.
Gap # 4 ... Flow Rate :	3.5888E-05	cu m/s...	Re # :	1428.
Gap # 5 ... Flow Rate :	3.5388E-05	cu m/s...	Re # :	1408.
Gap # 6 ... Flow Rate :	3.5544E-05	cu m/s...	Re # :	1414.
Gap # 7 ... Flow Rate :	3.5498E-05	cu m/s...	Re # :	1412.
Gap # 8 ... Flow Rate :	3.5294E-05	cu m/s...	Re # :	1404.
Gap # 9 ... Flow Rate :	3.5748E-05	cu m/s...	Re # :	1422.
Gap # 10 ... Flow Rate :	3.5169E-05	cu m/s...	Re # :	1399.
Gap # 11 ... Flow Rate :	3.4175E-05	cu m/s...	Re # :	1360.
Gap # 12 ... Flow Rate :	3.3764E-05	cu m/s...	Re # :	1343.
Gap # 13 ... Flow Rate :	2.4399E-05	cu m/s...	Re # :	971.
Gap # 14 ... Flow Rate :	2.2847E-05	cu m/s...	Re # :	909.
Gap # 15 ... Flow Rate :	2.1379E-05	cu m/s...	Re # :	851.
Gap # 16 ... Flow Rate :	2.1561E-05	cu m/s...	Re # :	858.
Gap # 17 ... Flow Rate :	2.4739E-05	cu m/s...	Re # :	984.
Gap # 18 ... Flow Rate :	2.3332E-05	cu m/s...	Re # :	928.
Gap # 19 ... Flow Rate :	2.1843E-05	cu m/s...	Re # :	869.
Gap # 20 ... Flow Rate :	2.1838E-05	cu m/s...	Re # :	869.
Gap # 21 ... Flow Rate :	2.6333E-05	cu m/s...	Re # :	1050.
Gap # 22 ... Flow Rate :	2.4734E-05	cu m/s...	Re # :	984.
Gap # 23 ... Flow Rate :	2.1733E-05	cu m/s...	Re # :	865.
Gap # 24 ... Flow Rate :	2.0417E-05	cu m/s...	Re # :	812.
Gap # 25 ... Flow Rate :	2.7378E-05	cu m/s...	Re # :	1039.
Gap # 26 ... Flow Rate :	2.7517E-05	cu m/s...	Re # :	1095.
Gap # 27 ... Flow Rate :	2.7561E-05	cu m/s...	Re # :	1097.
Gap # 28 ... Flow Rate :	2.7465E-05	cu m/s...	Re # :	1093.
Gap # 29 ... Flow Rate :	2.7795E-05	cu m/s...	Re # :	1106.
Gap # 30 ... Flow Rate :	2.7939E-05	cu m/s...	Re # :	1112.
Gap # 31 ... Flow Rate :	2.7810E-05	cu m/s...	Re # :	1107.
Gap # 32 ... Flow Rate :	2.7536E-05	cu m/s...	Re # :	1096.
Gap # 33 ... Flow Rate :	2.7748E-05	cu m/s...	Re # :	1104.
Gap # 34 ... Flow Rate :	2.7907E-05	cu m/s...	Re # :	1110.
Gap # 35 ... Flow Rate :	2.8063E-05	cu m/s...	Re # :	1117.
Gap # 36 ... Flow Rate :	2.8061E-05	cu m/s...	Re # :	1116.
Gap # 37 ... Flow Rate :	2.2180E-05	cu m/s...	Re # :	893.
Gap # 38 ... Flow Rate :	2.2115E-05	cu m/s...	Re # :	890.
Gap # 39 ... Flow Rate :	2.3439E-05	cu m/s...	Re # :	933.
Gap # 40 ... Flow Rate :	2.4760E-05	cu m/s...	Re # :	985.
Gap # 41 ... Flow Rate :	2.3505E-05	cu m/s...	Re # :	935.
Gap # 42 ... Flow Rate :	2.3144E-05	cu m/s...	Re # :	921.
Gap # 43 ... Flow Rate :	2.3671E-05	cu m/s...	Re # :	942.
Gap # 44 ... Flow Rate :	2.4535E-05	cu m/s...	Re # :	976.
Gap # 45 ... Flow Rate :	2.2190E-05	cu m/s...	Re # :	883.
Gap # 46 ... Flow Rate :	2.2635E-05	cu m/s...	Re # :	901.
Gap # 47 ... Flow Rate :	2.4355E-05	cu m/s...	Re # :	969.
Gap # 48 ... Flow Rate :	2.5579E-05	cu m/s...	Re # :	1018.

End of calculation.

FLOW RATE, REYNOLD # & NET FLOW BY INTERNAL PRESSURE : TES140

Test Parameters:

Wind Velocity Of Wind Tunnel is : 10.03 m/s.

Wind Angle is : 0 Degree.

Type Of Flow : SHEAR / FIXED Q

Mechanical Ventilation : 1.4158E-03 cu m/s. (180.00 cfh)

All Gaps Are Open.

Total North side infiltration	:	4.7886E-04	cu m/s.
Total North side exfiltration	:	0.0000E+00	cu m/s.
Total East side infiltration	:	3.4672E-04	cu m/s.
Total East side exfiltration	:	0.0000E+00	cu m/s.
Total South side infiltration	:	3.9433E-04	cu m/s.
Total South side exfiltration	:	0.0000E+00	cu m/s.
Total West side infiltration	:	3.4795E-04	cu m/s.
Total West side exfiltration	:	0.0000E+00	cu m/s.

Net Flow Rate (Less Ventilation) : 1.5202E-04 cu m/s.

Gap # 1 ... Flow Rate :	4.1121E-05	cu m/s...	Re # :	1636.
Gap # 2 ... Flow Rate :	4.1123E-05	cu m/s...	Re # :	1636.
Gap # 3 ... Flow Rate :	4.0655E-05	cu m/s...	Re # :	1618.
Gap # 4 ... Flow Rate :	4.0178E-05	cu m/s...	Re # :	1599.
Gap # 5 ... Flow Rate :	3.9869E-05	cu m/s...	Re # :	1586.
Gap # 6 ... Flow Rate :	4.0242E-05	cu m/s...	Re # :	1601.
Gap # 7 ... Flow Rate :	3.9924E-05	cu m/s...	Re # :	1589.
Gap # 8 ... Flow Rate :	3.9225E-05	cu m/s...	Re # :	1561.
Gap # 9 ... Flow Rate :	3.9961E-05	cu m/s...	Re # :	1590.
Gap #10 ... Flow Rate :	3.9525E-05	cu m/s...	Re # :	1573.
Gap #11 ... Flow Rate :	3.8708E-05	cu m/s...	Re # :	1540.
Gap #12 ... Flow Rate :	3.8328E-05	cu m/s...	Re # :	1525.
Gap #13 ... Flow Rate :	2.9969E-05	cu m/s...	Re # :	1192.
Gap #14 ... Flow Rate :	2.8895E-05	cu m/s...	Re # :	1150.
Gap #15 ... Flow Rate :	2.7596E-05	cu m/s...	Re # :	1098.
Gap #16 ... Flow Rate :	2.7408E-05	cu m/s...	Re # :	1091.
Gap #17 ... Flow Rate :	3.0238E-05	cu m/s...	Re # :	1203.
Gap #18 ... Flow Rate :	2.9318E-05	cu m/s...	Re # :	1167.
Gap #19 ... Flow Rate :	2.8191E-05	cu m/s...	Re # :	1122.
Gap #20 ... Flow Rate :	2.8008E-05	cu m/s...	Re # :	1114.
Gap #21 ... Flow Rate :	3.1817E-05	cu m/s...	Re # :	1266.
Gap #22 ... Flow Rate :	3.0459E-05	cu m/s...	Re # :	1212.
Gap #23 ... Flow Rate :	2.7966E-05	cu m/s...	Re # :	1113.
Gap #24 ... Flow Rate :	2.6851E-05	cu m/s...	Re # :	1068.
Gap #25 ... Flow Rate :	3.2675E-05	cu m/s...	Re # :	1300.
Gap #26 ... Flow Rate :	3.2720E-05	cu m/s...	Re # :	1302.
Gap #27 ... Flow Rate :	3.2665E-05	cu m/s...	Re # :	1300.
Gap #28 ... Flow Rate :	3.2565E-05	cu m/s...	Re # :	1296.
Gap #29 ... Flow Rate :	3.2349E-05	cu m/s...	Re # :	1307.
Gap #30 ... Flow Rate :	3.2929E-05	cu m/s...	Re # :	1310.
Gap #31 ... Flow Rate :	3.2985E-05	cu m/s...	Re # :	1312.
Gap #32 ... Flow Rate :	3.2961E-05	cu m/s...	Re # :	1311.
Gap #33 ... Flow Rate :	3.2881E-05	cu m/s...	Re # :	1308.
Gap #34 ... Flow Rate :	3.3011E-05	cu m/s...	Re # :	1313.
Gap #35 ... Flow Rate :	3.3077E-05	cu m/s...	Re # :	1316.
Gap #36 ... Flow Rate :	3.3013E-05	cu m/s...	Re # :	1314.
Gap #37 ... Flow Rate :	2.7736E-05	cu m/s...	Re # :	1104.
Gap #38 ... Flow Rate :	2.7942E-05	cu m/s...	Re # :	1112.
Gap #39 ... Flow Rate :	2.9005E-05	cu m/s...	Re # :	1154.
Gap #40 ... Flow Rate :	2.9842E-05	cu m/s...	Re # :	1197.
Gap #41 ... Flow Rate :	2.8656E-05	cu m/s...	Re # :	1140.
Gap #42 ... Flow Rate :	2.8514E-05	cu m/s...	Re # :	1135.
Gap #43 ... Flow Rate :	2.9264E-05	cu m/s...	Re # :	1164.
Gap #44 ... Flow Rate :	3.0133E-05	cu m/s...	Re # :	1193.
Gap #45 ... Flow Rate :	2.7526E-05	cu m/s...	Re # :	1095.
Gap #46 ... Flow Rate :	2.8034E-05	cu m/s...	Re # :	1115.
Gap #47 ... Flow Rate :	2.9964E-05	cu m/s...	Re # :	1192.
Gap #48 ... Flow Rate :	3.1336E-05	cu m/s...	Re # :	1247.

End of calculation.

FLOW RATE, REYNOLD # & NET FLOW BY INTERNAL PRESSURE : TES150

Test Parameters:

Wind Velocity Of Wind Tunnel is : 10.04 m/s.

Wind Angle is : 0 degree.

Type Of Flow : SHEAR / FIXED Q

Mechanical Ventilation : 1.6518E-03 cu m/s. (210.00 cfh)

All Gaps Are Open.

Total North side infiltration	:	5.2908E-04	cu m/s.
Total North side exfiltration	:	0.0000E+00	cu m/s.
Total East side infiltration	:	4.1269E-04	cu m/s.
Total East side exfiltration	:	0.0000E+00	cu m/s.
Total South side infiltration	:	4.5366E-04	cu m/s.
Total South side exfiltration	:	0.0000E+00	cu m/s.
Total West side infiltration	:	4.1671E-04	cu m/s.
Total West side exfiltration	:	0.0000E+00	cu m/s.

Net Flow Rate (Less Ventilation) : 1.5933E-04 cu m/s.

Gap # 1 ... Flow Rate :	4.5013E-05	cu m/s...	Re # :	1791.
Gap # 2 ... Flow Rate :	4.5135E-05	cu m/s...	Re # :	1796.
Gap # 3 ... Flow Rate :	4.4876E-05	cu m/s...	Re # :	1786.
Gap # 4 ... Flow Rate :	4.4494E-05	cu m/s...	Re # :	1770.
Gap # 5 ... Flow Rate :	4.4243E-05	cu m/s...	Re # :	1760.
Gap # 6 ... Flow Rate :	4.4143E-05	cu m/s...	Re # :	1756.
Gap # 7 ... Flow Rate :	4.3790E-05	cu m/s...	Re # :	1742.
Gap # 8 ... Flow Rate :	4.3535E-05	cu m/s...	Re # :	1732.
Gap # 9 ... Flow Rate :	4.3763E-05	cu m/s...	Re # :	1741.
Gap # 10 ... Flow Rate :	4.3538E-05	cu m/s...	Re # :	1732.
Gap # 11 ... Flow Rate :	4.2955E-05	cu m/s...	Re # :	1709.
Gap # 12 ... Flow Rate :	4.2596E-05	cu m/s...	Re # :	1695.
Gap # 13 ... Flow Rate :	3.5682E-05	cu m/s...	Re # :	1420.
Gap # 14 ... Flow Rate :	3.4485E-05	cu m/s...	Re # :	1372.
Gap # 15 ... Flow Rate :	3.3256E-05	cu m/s...	Re # :	1323.
Gap # 16 ... Flow Rate :	3.3263E-05	cu m/s...	Re # :	1323.
Gap # 17 ... Flow Rate :	3.5608E-05	cu m/s...	Re # :	1417.
Gap # 18 ... Flow Rate :	3.4677E-05	cu m/s...	Re # :	1380.
Gap # 19 ... Flow Rate :	3.3606E-05	cu m/s...	Re # :	1337.
Gap # 20 ... Flow Rate :	3.3487E-05	cu m/s...	Re # :	1332.
Gap # 21 ... Flow Rate :	3.7114E-05	cu m/s...	Re # :	1477.
Gap # 22 ... Flow Rate :	3.5595E-05	cu m/s...	Re # :	1416.
Gap # 23 ... Flow Rate :	3.3314E-05	cu m/s...	Re # :	1326.
Gap # 24 ... Flow Rate :	3.2601E-05	cu m/s...	Re # :	1297.
Gap # 25 ... Flow Rate :	3.7550E-05	cu m/s...	Re # :	1494.
Gap # 26 ... Flow Rate :	3.7663E-05	cu m/s...	Re # :	1499.
Gap # 27 ... Flow Rate :	3.7661E-05	cu m/s...	Re # :	1499.
Gap # 28 ... Flow Rate :	3.7547E-05	cu m/s...	Re # :	1494.
Gap # 29 ... Flow Rate :	3.7898E-05	cu m/s...	Re # :	1508.
Gap # 30 ... Flow Rate :	3.7954E-05	cu m/s...	Re # :	1510.
Gap # 31 ... Flow Rate :	3.7920E-05	cu m/s...	Re # :	1503.
Gap # 32 ... Flow Rate :	3.7829E-05	cu m/s...	Re # :	1505.
Gap # 33 ... Flow Rate :	3.7824E-05	cu m/s...	Re # :	1505.
Gap # 34 ... Flow Rate :	3.7909E-05	cu m/s...	Re # :	1508.
Gap # 35 ... Flow Rate :	3.7967E-05	cu m/s...	Re # :	1511.
Gap # 36 ... Flow Rate :	3.7941E-05	cu m/s...	Re # :	1510.
Gap # 37 ... Flow Rate :	3.4009E-05	cu m/s...	Re # :	1353.
Gap # 38 ... Flow Rate :	3.3983E-05	cu m/s...	Re # :	1352.
Gap # 39 ... Flow Rate :	3.4663E-05	cu m/s...	Re # :	1379.
Gap # 40 ... Flow Rate :	3.5366E-05	cu m/s...	Re # :	1407.
Gap # 41 ... Flow Rate :	3.4361E-05	cu m/s...	Re # :	1367.
Gap # 42 ... Flow Rate :	3.4342E-05	cu m/s...	Re # :	1366.
Gap # 43 ... Flow Rate :	3.4986E-05	cu m/s...	Re # :	1392.
Gap # 44 ... Flow Rate :	3.5638E-05	cu m/s...	Re # :	1418.
Gap # 45 ... Flow Rate :	3.3981E-05	cu m/s...	Re # :	1352.
Gap # 46 ... Flow Rate :	3.4164E-05	cu m/s...	Re # :	1359.
Gap # 47 ... Flow Rate :	3.5192E-05	cu m/s...	Re # :	1400.
Gap # 48 ... Flow Rate :	3.6019E-05	cu m/s...	Re # :	1433.

End of calculation.

FLOW RATE, REYNOLD # & NET FLOW BY INTERNAL PRESSURE : TES141

Test Parameters:

Wind Velocity Of Wind Tunnel is : 10.09 m/s.

Wind Angle is : 30 degree.

Type Of Flow : SHEAR / FIXED Q

Mechanical Ventilation : 1.4158E-03 cu m/s. (180.00 cfh)

All Gaps Are Open.

Total North side infiltration	:	4.4632E-04	cu m/s.
Total North side exfiltration	:	0.0000E+00	cu m/s.
Total East side infiltration	:	4.2198E-04	cu m/s.
Total East side exfiltration	:	0.0000E+00	cu m/s.
Total South side infiltration	:	3.5805E-04	cu m/s.
Total South side exfiltration	:	0.0000E+00	cu m/s.
Total West side infiltration	:	3.4382E-04	cu m/s.
Total West side exfiltration	:	0.0000E+00	cu m/s.

Net Flow Rate (Less Ventilation) : 1.5433E-04 cu m/s.

Gap # 1 ... Flow Rate :	3.8744E-05	cu m/s...	Re # :	1542.
Gap # 2 ... Flow Rate :	3.8337E-05	cu m/s...	Re # :	1525.
Gap # 3 ... Flow Rate :	3.7124E-05	cu m/s...	Re # :	1477.
Gap # 4 ... Flow Rate :	3.6306E-05	cu m/s...	Re # :	1445.
Gap # 5 ... Flow Rate :	3.8046E-05	cu m/s...	Re # :	1514.
Gap # 6 ... Flow Rate :	3.7745E-05	cu m/s...	Re # :	1502.
Gap # 7 ... Flow Rate :	3.6760E-05	cu m/s...	Re # :	1463.
Gap # 8 ... Flow Rate :	3.6066E-05	cu m/s...	Re # :	1435.
Gap # 9 ... Flow Rate :	3.8133E-05	cu m/s...	Re # :	1517.
Gap # 10 ... Flow Rate :	3.7433E-05	cu m/s...	Re # :	1489.
Gap # 11 ... Flow Rate :	3.6120E-05	cu m/s...	Re # :	1437.
Gap # 12 ... Flow Rate :	3.5509E-05	cu m/s...	Re # :	1413.
Gap # 13 ... Flow Rate :	3.4135E-05	cu m/s...	Re # :	1358.
Gap # 14 ... Flow Rate :	3.4652E-05	cu m/s...	Re # :	1379.
Gap # 15 ... Flow Rate :	3.5743E-05	cu m/s...	Re # :	1422.
Gap # 16 ... Flow Rate :	3.6315E-05	cu m/s...	Re # :	1445.
Gap # 17 ... Flow Rate :	3.4413E-05	cu m/s...	Re # :	1369.
Gap # 18 ... Flow Rate :	3.4820E-05	cu m/s...	Re # :	1385.
Gap # 19 ... Flow Rate :	3.5607E-05	cu m/s...	Re # :	1417.
Gap # 20 ... Flow Rate :	3.5987E-05	cu m/s...	Re # :	1432.
Gap # 21 ... Flow Rate :	3.4262E-05	cu m/s...	Re # :	1363.
Gap # 22 ... Flow Rate :	3.4875E-05	cu m/s...	Re # :	1388.
Gap # 23 ... Flow Rate :	3.5548E-05	cu m/s...	Re # :	1414.
Gap # 24 ... Flow Rate :	3.5619E-05	cu m/s...	Re # :	1417.
Gap # 25 ... Flow Rate :	2.9273E-05	cu m/s...	Re # :	1165.
Gap # 26 ... Flow Rate :	2.9470E-05	cu m/s...	Re # :	1173.
Gap # 27 ... Flow Rate :	2.9616E-05	cu m/s...	Re # :	1178.
Gap # 28 ... Flow Rate :	2.9566E-05	cu m/s...	Re # :	1176.
Gap # 29 ... Flow Rate :	2.9536E-05	cu m/s...	Re # :	1175.
Gap # 30 ... Flow Rate :	2.9577E-05	cu m/s...	Re # :	1177.
Gap # 31 ... Flow Rate :	2.9766E-05	cu m/s...	Re # :	1184.
Gap # 32 ... Flow Rate :	2.9914E-05	cu m/s...	Re # :	1190.
Gap # 33 ... Flow Rate :	3.0379E-05	cu m/s...	Re # :	1209.
Gap # 34 ... Flow Rate :	3.0267E-05	cu m/s...	Re # :	1204.
Gap # 35 ... Flow Rate :	3.0280E-05	cu m/s...	Re # :	1205.
Gap # 36 ... Flow Rate :	3.0406E-05	cu m/s...	Re # :	1210.
Gap # 37 ... Flow Rate :	2.3582E-05	cu m/s...	Re # :	1137.
Gap # 38 ... Flow Rate :	2.8579E-05	cu m/s...	Re # :	1137.
Gap # 39 ... Flow Rate :	2.8257E-05	cu m/s...	Re # :	1124.
Gap # 40 ... Flow Rate :	2.7934E-05	cu m/s...	Re # :	1111.
Gap # 41 ... Flow Rate :	2.9054E-05	cu m/s...	Re # :	1156.
Gap # 42 ... Flow Rate :	2.8875E-05	cu m/s...	Re # :	1149.
Gap # 43 ... Flow Rate :	2.8421E-05	cu m/s...	Re # :	1131.
Gap # 44 ... Flow Rate :	2.8146E-05	cu m/s...	Re # :	1120.
Gap # 45 ... Flow Rate :	2.9494E-05	cu m/s...	Re # :	1174.
Gap # 46 ... Flow Rate :	2.9258E-05	cu m/s...	Re # :	1164.
Gap # 47 ... Flow Rate :	2.8748E-05	cu m/s...	Re # :	1144.
Gap # 48 ... Flow Rate :	2.8473E-05	cu m/s...	Re # :	1133.

End of calculation.

FLOW RATE, REYNOLD # & NET FLOW BY INTERNAL PRESSURE : TES142

Test Parameters:

Wind Velocity Of Wind Tunnel is : 10.00 m/s.

Wind Angle is : 45 degree.

Type Of Flow : SHEAR / FIXED Q

Mechanical Ventilation : 1.4156E-03 cu m/s. (180.00 cfm)

All Gaps Are Open.

Total North side infiltration	:	4.2854E-04	cu m/s.
Total North side exfiltration	:	0.0000E+00	cu m/s.
Total East side infiltration	:	4.4391E-04	cu m/s.
Total East side exfiltration	:	0.0000E+00	cu m/s.
Total South side infiltration	:	3.4424E-04	cu m/s.
Total South side exfiltration	:	0.0000E+00	cu m/s.
Total West side infiltration	:	3.4285E-04	cu m/s.
Total West side exfiltration	:	0.0000E+00	cu m/s.

Net Flow Rate (Less Ventilation) : 1.4370E-04 cu m/s.

Gap # 1 ... Flow Rate :	3.7134E-05	cu m/s...	Re # :	1478.
Gap # 2 ... Flow Rate :	3.6727E-05	cu m/s...	Re # :	1461.
Gap # 3 ... Flow Rate :	3.5408E-05	cu m/s...	Re # :	1409.
Gap # 4 ... Flow Rate :	3.4477E-05	cu m/s...	Re # :	1372.
Gap # 5 ... Flow Rate :	3.6605E-05	cu m/s...	Re # :	1456.
Gap # 6 ... Flow Rate :	3.6329E-05	cu m/s...	Re # :	1445.
Gap # 7 ... Flow Rate :	3.5116E-05	cu m/s...	Re # :	1397.
Gap # 8 ... Flow Rate :	3.4158E-05	cu m/s...	Re # :	1359.
Gap # 9 ... Flow Rate :	3.7165E-05	cu m/s...	Re # :	1479.
Gap #10 ... Flow Rate :	3.6268E-05	cu m/s...	Re # :	1443.
Gap #11 ... Flow Rate :	3.4836E-05	cu m/s...	Re # :	1386.
Gap #12 ... Flow Rate :	3.4315E-05	cu m/s...	Re # :	1365.
Gap #13 ... Flow Rate :	3.6021E-05	cu m/s...	Re # :	1433.
Gap #14 ... Flow Rate :	3.6730E-05	cu m/s...	Re # :	1461.
Gap #15 ... Flow Rate :	3.8196E-05	cu m/s...	Re # :	1520.
Gap #16 ... Flow Rate :	3.8951E-05	cu m/s...	Re # :	1550.
Gap #17 ... Flow Rate :	3.5876E-05	cu m/s...	Re # :	1427.
Gap #18 ... Flow Rate :	3.6419E-05	cu m/s...	Re # :	1449.
Gap #19 ... Flow Rate :	3.7655E-05	cu m/s...	Re # :	1498.
Gap #20 ... Flow Rate :	3.8343E-05	cu m/s...	Re # :	1526.
Gap #21 ... Flow Rate :	3.5419E-05	cu m/s...	Re # :	1409.
Gap #22 ... Flow Rate :	3.6016E-05	cu m/s...	Re # :	1433.
Gap #23 ... Flow Rate :	3.6964E-05	cu m/s...	Re # :	1471.
Gap #24 ... Flow Rate :	3.7321E-05	cu m/s...	Re # :	1485.
Gap #25 ... Flow Rate :	2.8076E-05	cu m/s...	Re # :	1117.
Gap #26 ... Flow Rate :	2.8055E-05	cu m/s...	Re # :	1116.
Gap #27 ... Flow Rate :	2.8245E-05	cu m/s...	Re # :	1124.
Gap #28 ... Flow Rate :	2.8456E-05	cu m/s...	Re # :	1132.
Gap #29 ... Flow Rate :	2.8562E-05	cu m/s...	Re # :	1136.
Gap #30 ... Flow Rate :	2.8600E-05	cu m/s...	Re # :	1138.
Gap #31 ... Flow Rate :	2.8630E-05	cu m/s...	Re # :	1147.
Gap #32 ... Flow Rate :	2.9021E-05	cu m/s...	Re # :	1155.
Gap #33 ... Flow Rate :	2.8747E-05	cu m/s...	Re # :	1144.
Gap #34 ... Flow Rate :	2.8852E-05	cu m/s...	Re # :	1148.
Gap #35 ... Flow Rate :	2.9253E-05	cu m/s...	Re # :	1164.
Gap #36 ... Flow Rate :	2.9547E-05	cu m/s...	Re # :	1176.
Gap #37 ... Flow Rate :	2.8436E-05	cu m/s...	Re # :	1131.
Gap #38 ... Flow Rate :	2.8203E-05	cu m/s...	Re # :	1122.
Gap #39 ... Flow Rate :	2.7365E-05	cu m/s...	Re # :	1109.
Gap #40 ... Flow Rate :	2.7762E-05	cu m/s...	Re # :	1105.
Gap #41 ... Flow Rate :	2.8687E-05	cu m/s...	Re # :	1141.
Gap #42 ... Flow Rate :	2.8521E-05	cu m/s...	Re # :	1135.
Gap #43 ... Flow Rate :	2.9236E-05	cu m/s...	Re # :	1123.
Gap #44 ... Flow Rate :	2.8118E-05	cu m/s...	Re # :	1119.
Gap #45 ... Flow Rate :	2.9579E-05	cu m/s...	Re # :	1177.
Gap #46 ... Flow Rate :	2.9338E-05	cu m/s...	Re # :	1167.
Gap #47 ... Flow Rate :	2.9068E-05	cu m/s...	Re # :	1157.
Gap #48 ... Flow Rate :	2.9041E-05	cu m/s...	Re # :	1155.

End of calculation.

FLCW RATE, REYNOLD # & NET FLOW BY INTERNAL PRESSURE : TES143

Test Parameters:

Wind Velocity Of Wind Tunnel is : 10.04 m/s.

Wind Angle is : 60 degree.

Type Of Flow : SHEAR / FIXED Q

Mechanical Ventilation : 1.4158E-03 cu m/s. (180.00 cfm)

All Gaps Are Open.

Total North side infiltration	:	4.0557E-04	cu m/s.
Total North side exfiltration	:	0.0000E+00	cu m/s.
Total East side infiltration	:	4.6084E-04	cu m/s.
Total East side exfiltration	:	0.0000E+00	cu m/s.
Total South side infiltration	:	3.4257E-04	cu m/s.
Total South side exfiltration	:	0.0000E+00	cu m/s.
Total West side infiltration	:	3.5407E-04	cu m/s.
Total West side exfiltration	:	0.0000E+00	cu m/s.

Net Flow Rate (Less Ventilation) : 1.4720E-04 cu m/s.

Gap # 1 ... Flow Rate :	3.4718E-05	cu m/s...	Re # :	1391.
Gap # 2 ... Flow Rate :	3.4475E-05	cu m/s...	Re # :	1372.
Gap # 3 ... Flow Rate :	3.3561E-05	cu m/s...	Re # :	1335.
Gap # 4 ... Flow Rate :	3.2880E-05	cu m/s...	Re # :	1308.
Gap # 5 ... Flow Rate :	3.3614E-05	cu m/s...	Re # :	1337.
Gap # 6 ... Flow Rate :	3.4003E-05	cu m/s...	Re # :	1353.
Gap # 7 ... Flow Rate :	3.3630E-05	cu m/s...	Re # :	1338.
Gap # 8 ... Flow Rate :	3.2957E-05	cu m/s...	Re # :	1307.
Gap # 9 ... Flow Rate :	3.4807E-05	cu m/s...	Re # :	1385.
Gap # 10 ... Flow Rate :	3.4366E-05	cu m/s...	Re # :	1367.
Gap # 11 ... Flow Rate :	3.3529E-05	cu m/s...	Re # :	1334.
Gap # 12 ... Flow Rate :	3.3134E-05	cu m/s...	Re # :	1318.
Gap # 13 ... Flow Rate :	3.8248E-05	cu m/s...	Re # :	1522.
Gap # 14 ... Flow Rate :	3.8763E-05	cu m/s...	Re # :	1542.
Gap # 15 ... Flow Rate :	3.9803E-05	cu m/s...	Re # :	1584.
Gap # 16 ... Flow Rate :	4.0327E-05	cu m/s...	Re # :	1605.
Gap # 17 ... Flow Rate :	3.7457E-05	cu m/s...	Re # :	1490.
Gap # 18 ... Flow Rate :	3.7943E-05	cu m/s...	Re # :	1510.
Gap # 19 ... Flow Rate :	3.8806E-05	cu m/s...	Re # :	1544.
Gap # 20 ... Flow Rate :	3.9184E-05	cu m/s...	Re # :	1559.
Gap # 21 ... Flow Rate :	3.6909E-05	cu m/s...	Re # :	1469.
Gap # 22 ... Flow Rate :	3.7463E-05	cu m/s...	Re # :	1491.
Gap # 23 ... Flow Rate :	3.7981E-05	cu m/s...	Re # :	1511.
Gap # 24 ... Flow Rate :	3.7951E-05	cu m/s...	Re # :	1510.
Gap # 25 ... Flow Rate :	2.3215E-05	cu m/s...	Re # :	1123.
Gap # 26 ... Flow Rate :	2.8313E-05	cu m/s...	Re # :	1127.
Gap # 27 ... Flow Rate :	2.8488E-05	cu m/s...	Re # :	1133.
Gap # 28 ... Flow Rate :	2.8564E-05	cu m/s...	Re # :	1137.
Gap # 29 ... Flow Rate :	2.7902E-05	cu m/s...	Re # :	1110.
Gap # 30 ... Flow Rate :	2.8211E-05	cu m/s...	Re # :	1122.
Gap # 31 ... Flow Rate :	2.8806E-05	cu m/s...	Re # :	1146.
Gap # 32 ... Flow Rate :	2.9094E-05	cu m/s...	Re # :	1158.
Gap # 33 ... Flow Rate :	2.8364E-05	cu m/s...	Re # :	1129.
Gap # 34 ... Flow Rate :	2.8496E-05	cu m/s...	Re # :	1134.
Gap # 35 ... Flow Rate :	2.8915E-05	cu m/s...	Re # :	1150.
Gap # 36 ... Flow Rate :	2.9201E-05	cu m/s...	Re # :	1162.
Gap # 37 ... Flow Rate :	2.9379E-05	cu m/s...	Re # :	1169.
Gap # 38 ... Flow Rate :	2.9240E-05	cu m/s...	Re # :	1163.
Gap # 39 ... Flow Rate :	2.8953E-05	cu m/s...	Re # :	1152.
Gap # 40 ... Flow Rate :	2.8805E-05	cu m/s...	Re # :	1146.
Gap # 41 ... Flow Rate :	2.9527E-05	cu m/s...	Re # :	1175.
Gap # 42 ... Flow Rate :	2.9453E-05	cu m/s...	Re # :	1172.
Gap # 43 ... Flow Rate :	2.9313E-05	cu m/s...	Re # :	1166.
Gap # 44 ... Flow Rate :	2.9247E-05	cu m/s...	Re # :	1164.
Gap # 45 ... Flow Rate :	3.0095E-05	cu m/s...	Re # :	1197.
Gap # 46 ... Flow Rate :	2.9990E-05	cu m/s...	Re # :	1193.
Gap # 47 ... Flow Rate :	2.9983E-05	cu m/s...	Re # :	1193.
Gap # 48 ... Flow Rate :	3.0083E-05	cu m/s...	Re # :	1197.

End of calculation.

FLOW RATE, REYNOLD # & NET FLOW BY INTERNAL PRESSURE : TES144

Test Parameters:

Wind Velocity Of Wind Tunnel is : 5.03 m/s.

Wind Angle is : 0 degree.

Type Of Flow : SHEAR / FIXED Q

Mechanical Ventilation : 1.4158E-03 cu m/s. (180.00 cfm)

All Gaps Are Open.

Total North side infiltration	:	4.0923E-04	cu m/s.
Total North side exfiltration	:	0.0000E+00	cu m/s.
Total East side infiltration	:	3.7222E-04	cu m/s.
Total East side exfiltration	:	0.0000E+00	cu m/s.
Total South side infiltration	:	3.8471E-04	cu m/s.
Total South side exfiltration	:	0.0000E+00	cu m/s.
Total West side infiltration	:	3.7323E-04	cu m/s.
Total West side exfiltration	:	0.0000E+00	cu m/s.

Net Flow Rate (Less Ventilation) : 1.2355E-04 cu m/s.

Gap # 1 ... Flow Rate :	3.4469E-05	cu m/s...	Re # :	1371.
Gap # 2 ... Flow Rate :	3.4522E-05	cu m/s...	Re # :	1374.
Gap # 3 ... Flow Rate :	3.4468E-05	cu m/s...	Re # :	1371.
Gap # 4 ... Flow Rate :	3.4361E-05	cu m/s...	Re # :	1367.
Gap # 5 ... Flow Rate :	3.4057E-05	cu m/s...	Re # :	1355.
Gap # 6 ... Flow Rate :	3.4097E-05	cu m/s...	Re # :	1357.
Gap # 7 ... Flow Rate :	3.4020E-05	cu m/s...	Re # :	1354.
Gap # 8 ... Flow Rate :	3.3903E-05	cu m/s...	Re # :	1349.
Gap # 9 ... Flow Rate :	3.4072E-05	cu m/s...	Re # :	1356.
Gap #10 ... Flow Rate :	3.3943E-05	cu m/s...	Re # :	1351.
Gap #11 ... Flow Rate :	3.3710E-05	cu m/s...	Re # :	1341.
Gap #12 ... Flow Rate :	3.3607E-05	cu m/s...	Re # :	1337.
Gap #13 ... Flow Rate :	3.1365E-05	cu m/s...	Re # :	1248.
Gap #14 ... Flow Rate :	3.1064E-05	cu m/s...	Re # :	1236.
Gap #15 ... Flow Rate :	3.0724E-05	cu m/s...	Re # :	1222.
Gap #16 ... Flow Rate :	3.0688E-05	cu m/s...	Re # :	1221.
Gap #17 ... Flow Rate :	3.1451E-05	cu m/s...	Re # :	1251.
Gap #18 ... Flow Rate :	3.1076E-05	cu m/s...	Re # :	1236.
Gap #19 ... Flow Rate :	3.0731E-05	cu m/s...	Re # :	1223.
Gap #20 ... Flow Rate :	3.0766E-05	cu m/s...	Re # :	1224.
Gap #21 ... Flow Rate :	3.1798E-05	cu m/s...	Re # :	1265.
Gap #22 ... Flow Rate :	3.1382E-05	cu m/s...	Re # :	1249.
Gap #23 ... Flow Rate :	3.0713E-05	cu m/s...	Re # :	1222.
Gap #24 ... Flow Rate :	3.0463E-05	cu m/s...	Re # :	1212.
Gap #25 ... Flow Rate :	3.1870E-05	cu m/s...	Re # :	1268.
Gap #26 ... Flow Rate :	3.1913E-05	cu m/s...	Re # :	1270.
Gap #27 ... Flow Rate :	3.1936E-05	cu m/s...	Re # :	1271.
Gap #28 ... Flow Rate :	3.1916E-05	cu m/s...	Re # :	1270.
Gap #29 ... Flow Rate :	3.2116E-05	cu m/s...	Re # :	1278.
Gap #30 ... Flow Rate :	3.2120E-05	cu m/s...	Re # :	1278.
Gap #31 ... Flow Rate :	3.2123E-05	cu m/s...	Re # :	1278.
Gap #32 ... Flow Rate :	3.2121E-05	cu m/s...	Re # :	1278.
Gap #33 ... Flow Rate :	3.2112E-05	cu m/s...	Re # :	1278.
Gap #34 ... Flow Rate :	3.2142E-05	cu m/s...	Re # :	1279.
Gap #35 ... Flow Rate :	3.2172E-05	cu m/s...	Re # :	1280.
Gap #36 ... Flow Rate :	3.2172E-05	cu m/s...	Re # :	1280.
Gap #37 ... Flow Rate :	3.0751E-05	cu m/s...	Re # :	1224.
Gap #38 ... Flow Rate :	3.0816E-05	cu m/s...	Re # :	1226.
Gap #39 ... Flow Rate :	3.1107E-05	cu m/s...	Re # :	1238.
Gap #40 ... Flow Rate :	3.1332E-05	cu m/s...	Re # :	1247.
Gap #41 ... Flow Rate :	3.1001E-05	cu m/s...	Re # :	1233.
Gap #42 ... Flow Rate :	3.1014E-05	cu m/s...	Re # :	1234.
Gap #43 ... Flow Rate :	3.1209E-05	cu m/s...	Re # :	1242.
Gap #44 ... Flow Rate :	3.1331E-05	cu m/s...	Re # :	1249.
Gap #45 ... Flow Rate :	3.0843E-05	cu m/s...	Re # :	1227.
Gap #46 ... Flow Rate :	3.0864E-05	cu m/s...	Re # :	1228.
Gap #47 ... Flow Rate :	3.1265E-05	cu m/s...	Re # :	1244.
Gap #48 ... Flow Rate :	3.1641E-05	cu m/s...	Re # :	1259.

End of calculation.

FLOW RATE, REYNOLD # & NET FLOW BY INTERNAL PRESSURE : TES145

Test Parameters:

Wind Velocity Of Wind Tunnel is : 7.24 m/s.

Wind Angle is : 0 degree.

* Type Of Flow : SHEAR / FIXED G

Mechanical Ventilation : 1.4158E-03 cu m/s. (130.00 cfm)

All Gaps Are Open.

Total North side infiltration	:	4.3411E-04	cu m/s.
Total North side exfiltration	:	0.0000E+00	cu m/s.
Total East side infiltration	:	3.6022E-04	cu m/s.
Total East side exfiltration	:	0.0000E+00	cu m/s.
Total South side infiltration	:	3.8672E-04	cu m/s.
Total South side exfiltration	:	0.0000E+00	cu m/s.
Total West side infiltration	:	3.6221E-04	cu m/s.
Total West side exfiltration	:	0.0000E+00	cu m/s.

Net Flow Rate (Less Ventilation) : 1.2742E-04 cu m/s.

Gap # 1 ... Flow Rate :	3.6616E-05	cu m/s...	Re # :	1457.
Gap # 2 ... Flow Rate :	3.6842E-05	cu m/s...	Re # :	1466.
Gap # 3 ... Flow Rate :	3.6987E-05	cu m/s...	Re # :	1472.
Gap # 4 ... Flow Rate :	3.6907E-05	cu m/s...	Re # :	1468.
Gap # 5 ... Flow Rate :	3.5896E-05	cu m/s...	Re # :	1428.
Gap # 6 ... Flow Rate :	3.6192E-05	cu m/s...	Re # :	1440.
Gap # 7 ... Flow Rate :	3.6209E-05	cu m/s...	Re # :	1441.
Gap # 8 ... Flow Rate :	3.5930E-05	cu m/s...	Re # :	1430.
Gap # 9 ... Flow Rate :	3.6011E-05	cu m/s...	Re # :	1433.
Gap # 10 ... Flow Rate :	3.5776E-05	cu m/s...	Re # :	1423.
Gap # 11 ... Flow Rate :	3.5429E-05	cu m/s...	Re # :	1410.
Gap # 12 ... Flow Rate :	3.5318E-05	cu m/s...	Re # :	1405.
Gap # 13 ... Flow Rate :	3.0332E-05	cu m/s...	Re # :	1207.
Gap # 14 ... Flow Rate :	2.9760E-05	cu m/s...	Re # :	1184.
Gap # 15 ... Flow Rate :	2.9270E-05	cu m/s...	Re # :	1165.
Gap # 16 ... Flow Rate :	2.9362E-05	cu m/s...	Re # :	1168.
Gap # 17 ... Flow Rate :	3.0744E-05	cu m/s...	Re # :	1223.
Gap # 18 ... Flow Rate :	3.0249E-05	cu m/s...	Re # :	1204.
Gap # 19 ... Flow Rate :	2.9641E-05	cu m/s...	Re # :	1179.
Gap # 20 ... Flow Rate :	2.9536E-05	cu m/s...	Re # :	1175.
Gap # 21 ... Flow Rate :	3.1558E-05	cu m/s...	Re # :	1256.
Gap # 22 ... Flow Rate :	3.0848E-05	cu m/s...	Re # :	1227.
Gap # 23 ... Flow Rate :	2.9683E-05	cu m/s...	Re # :	1181.
Gap # 24 ... Flow Rate :	2.9238E-05	cu m/s...	Re # :	1163.
Gap # 25 ... Flow Rate :	3.2001E-05	cu m/s...	Re # :	1273.
Gap # 26 ... Flow Rate :	3.2089E-05	cu m/s...	Re # :	1277.
Gap # 27 ... Flow Rate :	3.2088E-05	cu m/s...	Re # :	1277.
Gap # 28 ... Flow Rate :	3.1998E-05	cu m/s...	Re # :	1277.
Gap # 29 ... Flow Rate :	3.2214E-05	cu m/s...	Re # :	1282.
Gap # 30 ... Flow Rate :	3.2277E-05	cu m/s...	Re # :	1284.
Gap # 31 ... Flow Rate :	3.2310E-05	cu m/s...	Re # :	1286.
Gap # 32 ... Flow Rate :	3.2279E-05	cu m/s...	Re # :	1284.
Gap # 33 ... Flow Rate :	3.2300E-05	cu m/s...	Re # :	1285.
Gap # 34 ... Flow Rate :	3.2372E-05	cu m/s...	Re # :	1288.
Gap # 35 ... Flow Rate :	3.2412E-05	cu m/s...	Re # :	1290.
Gap # 36 ... Flow Rate :	3.2380E-05	cu m/s...	Re # :	1288.
Gap # 37 ... Flow Rate :	2.9826E-05	cu m/s...	Re # :	1187.
Gap # 38 ... Flow Rate :	2.9771E-05	cu m/s...	Re # :	1185.
Gap # 39 ... Flow Rate :	3.0271E-05	cu m/s...	Re # :	1204.
Gap # 40 ... Flow Rate :	3.0819E-05	cu m/s...	Re # :	1226.
Gap # 41 ... Flow Rate :	3.0093E-05	cu m/s...	Re # :	1197.
Gap # 42 ... Flow Rate :	3.0027E-05	cu m/s...	Re # :	1195.
Gap # 43 ... Flow Rate :	3.0357E-05	cu m/s...	Re # :	1208.
Gap # 44 ... Flow Rate :	3.0749E-05	cu m/s...	Re # :	1223.
Gap # 45 ... Flow Rate :	2.9580E-05	cu m/s...	Re # :	1177.
Gap # 46 ... Flow Rate :	2.9692E-05	cu m/s...	Re # :	1181.
Gap # 47 ... Flow Rate :	3.0276E-05	cu m/s...	Re # :	1205.
Gap # 48 ... Flow Rate :	3.0742E-05	cu m/s...	Re # :	1223.

End of calculation.

FLOW RATE, REYNOLD # & NET FLOW BY INTERNAL PRESSURE : TES146

Test Parameters:

Wind Velocity Of Wind Tunnel is : 12.52 m/s.

Wind Angle is : 0 degree.

Type Of Flow : SHEAR / FIXED Q

Mechanical Ventilation : 1.4158E-03 cu m/s. (180.00 cfm)

All Gaps Are Open.

Total North side infiltration	:	5.2748E-04	cu m/s.
Total North side exfiltration	:	0.0000E+00	cu m/s.
Total East side infiltration	:	3.0891E-04	cu m/s.
Total East side exfiltration	:	0.0000E+00	cu m/s.
Total South side infiltration	:	3.9296E-04	cu m/s.
Total South side exfiltration	:	0.0000E+00	cu m/s.
Total West side infiltration	:	3.2572E-04	cu m/s.
Total West side exfiltration	:	0.0000E+00	cu m/s.

Net Flow Rate (Less Ventilation) : 1.3923E-04 cu m/s.

Gap # 1 ... Flow Rate :	4.5938E-05	cu m/s...	Re # :	1828.
Gap # 2 ... Flow Rate :	4.6136E-05	cu m/s...	Re # :	1836.
Gap # 3 ... Flow Rate :	4.5661E-05	cu m/s...	Re # :	1817.
Gap # 4 ... Flow Rate :	4.4979E-05	cu m/s...	Re # :	1790.
Gap # 5 ... Flow Rate :	4.4187E-05	cu m/s...	Re # :	1758.
Gap # 6 ... Flow Rate :	4.4361E-05	cu m/s...	Re # :	1765.
Gap # 7 ... Flow Rate :	4.3506E-05	cu m/s...	Re # :	1731.
Gap # 8 ... Flow Rate :	4.2456E-05	cu m/s...	Re # :	1689.
Gap # 9 ... Flow Rate :	4.3578E-05	cu m/s...	Re # :	1734.
Gap # 10 ... Flow Rate :	4.2965E-05	cu m/s...	Re # :	1710.
Gap # 11 ... Flow Rate :	4.2021E-05	cu m/s...	Re # :	1672.
Gap # 12 ... Flow Rate :	4.1696E-05	cu m/s...	Re # :	1659.
Gap # 13 ... Flow Rate :	2.7544E-05	cu m/s...	Re # :	1096.
Gap # 14 ... Flow Rate :	2.5796E-05	cu m/s...	Re # :	1026.
Gap # 15 ... Flow Rate :	2.4233E-05	cu m/s...	Re # :	964.
Gap # 16 ... Flow Rate :	2.4527E-05	cu m/s...	Re # :	976.
Gap # 17 ... Flow Rate :	2.7840E-05	cu m/s...	Re # :	1108.
Gap # 18 ... Flow Rate :	2.6482E-05	cu m/s...	Re # :	1054.
Gap # 19 ... Flow Rate :	2.4966E-05	cu m/s...	Re # :	993.
Gap # 20 ... Flow Rate :	2.4873E-05	cu m/s...	Re # :	990.
Gap # 21 ... Flow Rate :	2.9863E-05	cu m/s...	Re # :	1188.
Gap # 22 ... Flow Rate :	2.7354E-05	cu m/s...	Re # :	1088.
Gap # 23 ... Flow Rate :	2.3371E-05	cu m/s...	Re # :	930.
Gap # 24 ... Flow Rate :	2.2059E-05	cu m/s...	Re # :	878.
Gap # 25 ... Flow Rate :	3.2258E-05	cu m/s...	Re # :	1283.
Gap # 26 ... Flow Rate :	3.2378E-05	cu m/s...	Re # :	1238.
Gap # 27 ... Flow Rate :	3.2341E-05	cu m/s...	Re # :	1287.
Gap # 28 ... Flow Rate :	3.2133E-05	cu m/s...	Re # :	1281.
Gap # 29 ... Flow Rate :	3.2968E-05	cu m/s...	Re # :	1312.
Gap # 30 ... Flow Rate :	3.3054E-05	cu m/s...	Re # :	1315.
Gap # 31 ... Flow Rate :	3.2907E-05	cu m/s...	Re # :	1309.
Gap # 32 ... Flow Rate :	3.2673E-05	cu m/s...	Re # :	1300.
Gap # 33 ... Flow Rate :	3.2943E-05	cu m/s...	Re # :	1311.
Gap # 34 ... Flow Rate :	3.3203E-05	cu m/s...	Re # :	1321.
Gap # 35 ... Flow Rate :	3.3173E-05	cu m/s...	Re # :	1320.
Gap # 36 ... Flow Rate :	3.2892E-05	cu m/s...	Re # :	1308.
Gap # 37 ... Flow Rate :	2.5284E-05	cu m/s...	Re # :	1006.
Gap # 38 ... Flow Rate :	2.5444E-05	cu m/s...	Re # :	1012.
Gap # 39 ... Flow Rate :	2.6916E-05	cu m/s...	Re # :	1071.
Gap # 40 ... Flow Rate :	2.8175E-05	cu m/s...	Re # :	1121.
Gap # 41 ... Flow Rate :	2.7129E-05	cu m/s...	Re # :	1079.
Gap # 42 ... Flow Rate :	2.6708E-05	cu m/s...	Re # :	1063.
Gap # 43 ... Flow Rate :	2.7429E-05	cu m/s...	Re # :	1091.
Gap # 44 ... Flow Rate :	2.8535E-05	cu m/s...	Re # :	1135.
Gap # 45 ... Flow Rate :	2.6028E-05	cu m/s...	Re # :	1036.
Gap # 46 ... Flow Rate :	2.6153E-05	cu m/s...	Re # :	1041.
Gap # 47 ... Flow Rate :	2.8099E-05	cu m/s...	Re # :	1118.
Gap # 48 ... Flow Rate :	2.9820E-05	cu m/s...	Re # :	1187.

End of calculation.

FLOW RATE, REYNOLD # & NET FLOW BY INTERNAL PRESSURE : TES159

Test Parameters:

Wind Velocity Of Wind Tunnel is : 10.10 m/s.

Wind Angle is : 0 degree.

Type Of Flow : UNIFORM / FIXED Q

Mechanical Ventilation : 7.0792E-04 cu m/s. (90.00 cfh)

All Gaps Are Open.

Total North side infiltration	:	4.1678E-04	cu m/s.
Total North side exfiltration	:	0.0000E+00	cu m/s.
Total East side infiltration	:	1.0387E-04	cu m/s.
Total East side exfiltration	:	0.0000E+00	cu m/s.
Total South side infiltration	:	1.8885E-04	cu m/s.
Total South side exfiltration	:	0.0000E+00	cu m/s.
Total West side infiltration	:	1.0377E-04	cu m/s.
Total West side exfiltration	:	0.0000E+00	cu m/s.

Net Flow Rate (Less Ventilation) : 1.0535E-04 cu m/s.

Gap # 1 ...Flow Rate :	3.4102E-05	cu m/s...	Re # :	1357.
Gap # 2 ...Flow Rate :	3.4423E-05	cu m/s...	Re # :	1370.
Gap # 3 ...Flow Rate :	3.4307E-05	cu m/s...	Re # :	1365.
Gap # 4 ...Flow Rate :	3.3868E-05	cu m/s...	Re # :	1348.
Gap # 5 ...Flow Rate :	3.5204E-05	cu m/s...	Re # :	1401.
Gap # 6 ...Flow Rate :	3.5536E-05	cu m/s...	Re # :	1414.
Gap # 7 ...Flow Rate :	3.5244E-05	cu m/s...	Re # :	1402.
Gap # 8 ...Flow Rate :	3.4613E-05	cu m/s...	Re # :	1377.
Gap # 9 ...Flow Rate :	3.6009E-05	cu m/s...	Re # :	1433.
Gap #10 ...Flow Rate :	3.5801E-05	cu m/s...	Re # :	1424.
Gap #11 ...Flow Rate :	3.4434E-05	cu m/s...	Re # :	1370.
Gap #12 ...Flow Rate :	3.3241E-05	cu m/s...	Re # :	1323.
Gap #13 ...Flow Rate :	9.4965E-06	cu m/s...	Re # :	378.
Gap #14 ...Flow Rate :	9.7560E-06	cu m/s...	Re # :	388.
Gap #15 ...Flow Rate :	1.0428E-05	cu m/s...	Re # :	415.
Gap #16 ...Flow Rate :	1.0834E-05	cu m/s...	Re # :	431.
Gap #17 ...Flow Rate :	9.3860E-06	cu m/s...	Re # :	373.
Gap #18 ...Flow Rate :	9.6916E-06	cu m/s...	Re # :	386.
Gap #19 ...Flow Rate :	1.0153E-05	cu m/s...	Re # :	404.
Gap #20 ...Flow Rate :	1.0313E-05	cu m/s...	Re # :	410.
Gap #21 ...Flow Rate :	8.0191E-06	cu m/s...	Re # :	319.
Gap #22 ...Flow Rate :	5.8988E-06	cu m/s...	Re # :	235.
Gap #23 ...Flow Rate :	4.3977E-06	cu m/s...	Re # :	175.
Gap #24 ...Flow Rate :	5.4918E-06	cu m/s...	Re # :	219.
Gap #25 ...Flow Rate :	1.3653E-05	cu m/s...	Re # :	543.
Gap #26 ...Flow Rate :	1.4389E-05	cu m/s...	Re # :	573.
Gap #27 ...Flow Rate :	1.4613E-05	cu m/s...	Re # :	581.
Gap #28 ...Flow Rate :	1.4117E-05	cu m/s...	Re # :	562.
Gap #29 ...Flow Rate :	1.5299E-05	cu m/s...	Re # :	609.
Gap #30 ...Flow Rate :	1.5670E-05	cu m/s...	Re # :	623.
Gap #31 ...Flow Rate :	1.5793E-05	cu m/s...	Re # :	628.
Gap #32 ...Flow Rate :	1.5549E-05	cu m/s...	Re # :	619.
Gap #33 ...Flow Rate :	1.7348E-05	cu m/s...	Re # :	690.
Gap #34 ...Flow Rate :	1.7514E-05	cu m/s...	Re # :	697.
Gap #35 ...Flow Rate :	1.7529E-05	cu m/s...	Re # :	697.
Gap #36 ...Flow Rate :	1.7377E-05	cu m/s...	Re # :	691.
Gap #37 ...Flow Rate :	1.0305E-05	cu m/s...	Re # :	410.
Gap #38 ...Flow Rate :	9.8968E-06	cu m/s...	Re # :	394.
Gap #39 ...Flow Rate :	9.7689E-06	cu m/s...	Re # :	389.
Gap #40 ...Flow Rate :	1.0055E-05	cu m/s...	Re # :	400.
Gap #41 ...Flow Rate :	9.3637E-06	cu m/s...	Re # :	373.
Gap #42 ...Flow Rate :	8.3140E-06	cu m/s...	Re # :	331.
Gap #43 ...Flow Rate :	7.4938E-06	cu m/s...	Re # :	236.
Gap #44 ...Flow Rate :	7.9170E-06	cu m/s...	Re # :	311.
Gap #45 ...Flow Rate :	8.1558E-06	cu m/s...	Re # :	325.
Gap #46 ...Flow Rate :	6.5155E-06	cu m/s...	Re # :	259.
Gap #47 ...Flow Rate :	7.0400E-06	cu m/s...	Re # :	280.
Gap #48 ...Flow Rate :	9.0455E-06	cu m/s...	Re # :	360.

End of calculation.

FLOW RATE, REYNOLD # & NET FLOW BY INTERNAL PRESSURE : TES157

Test Parameters:

Wind Velocity Of Wind Tunnel is : 10.06 m/s. ↙

Wind Angle is : 0 degree.

Type Of Flow : UNIFORM / FIXED Q

Mechanical Ventilation : 9.4389E-04 cu m/s. (120.00 cfm)

All Gaps Are Open.

Total North side infiltration	:	4.4980E-04	cu m/s.
Total North side exfiltration	:	0.0000E+00	cu m/s.
Total East side infiltration	:	1.8634E-04	cu m/s.
Total East side exfiltration	:	0.0000E+00	cu m/s.
Total South side infiltration	:	2.4957E-04	cu m/s.
Total South side exfiltration	:	0.0000E+00	cu m/s.
Total West side infiltration	:	1.8363E-04	cu m/s.
Total West side exfiltration	:	0.0000E+00	cu m/s.

Net Flow Rate (Less Ventilation) : 1.2545E-04 cu m/s.

Gap # 1 ... Flow Rate :	3.7056E-05	cu m/s...	Re # :	1474.
Gap # 2 ... Flow Rate :	3.7292E-05	cu m/s...	Re # :	1484.
Gap # 3 ... Flow Rate :	3.7039E-05	cu m/s...	Re # :	1474.
Gap # 4 ... Flow Rate :	3.6546E-05	cu m/s...	Re # :	1454.
Gap # 5 ... Flow Rate :	3.7885E-05	cu m/s...	Re # :	1507.
Gap # 6 ... Flow Rate :	3.8158E-05	cu m/s...	Re # :	1518.
Gap # 7 ... Flow Rate :	3.7840E-05	cu m/s...	Re # :	1506.
Gap # 8 ... Flow Rate :	3.7242E-05	cu m/s...	Re # :	1482.
Gap # 9 ... Flow Rate :	3.8705E-05	cu m/s...	Re # :	1540.
Gap # 10 ... Flow Rate :	3.8540E-05	cu m/s...	Re # :	1533.
Gap # 11 ... Flow Rate :	3.7300E-05	cu m/s...	Re # :	1484.
Gap # 12 ... Flow Rate :	3.6196E-05	cu m/s...	Re # :	1440.
Gap # 13 ... Flow Rate :	1.6044E-05	cu m/s...	Re # :	638.
Gap # 14 ... Flow Rate :	1.6011E-05	cu m/s...	Re # :	637.
Gap # 15 ... Flow Rate :	1.6663E-05	cu m/s...	Re # :	663.
Gap # 16 ... Flow Rate :	1.7326E-05	cu m/s...	Re # :	689.
Gap # 17 ... Flow Rate :	1.5506E-05	cu m/s...	Re # :	617.
Gap # 18 ... Flow Rate :	1.5800E-05	cu m/s...	Re # :	629.
Gap # 19 ... Flow Rate :	1.6408E-05	cu m/s...	Re # :	653.
Gap # 20 ... Flow Rate :	1.6721E-05	cu m/s...	Re # :	665.
Gap # 21 ... Flow Rate :	1.5389E-05	cu m/s...	Re # :	612.
Gap # 22 ... Flow Rate :	1.4246E-05	cu m/s...	Re # :	567.
Gap # 23 ... Flow Rate :	1.3084E-05	cu m/s...	Re # :	521.
Gap # 24 ... Flow Rate :	1.3144E-05	cu m/s...	Re # :	523.
Gap # 25 ... Flow Rate :	1.9433E-05	cu m/s...	Re # :	773.
Gap # 26 ... Flow Rate :	1.9494E-05	cu m/s...	Re # :	776.
Gap # 27 ... Flow Rate :	1.9202E-05	cu m/s...	Re # :	764.
Gap # 28 ... Flow Rate :	1.8845E-05	cu m/s...	Re # :	750.
Gap # 29 ... Flow Rate :	2.0574E-05	cu m/s...	Re # :	819.
Gap # 30 ... Flow Rate :	2.0922E-05	cu m/s...	Re # :	832.
Gap # 31 ... Flow Rate :	2.1211E-05	cu m/s...	Re # :	844.
Gap # 32 ... Flow Rate :	2.1156E-05	cu m/s...	Re # :	842.
Gap # 33 ... Flow Rate :	2.2036E-05	cu m/s...	Re # :	877.
Gap # 34 ... Flow Rate :	2.2227E-05	cu m/s...	Re # :	884.
Gap # 35 ... Flow Rate :	2.2296E-05	cu m/s...	Re # :	887.
Gap # 36 ... Flow Rate :	2.2174E-05	cu m/s...	Re # :	882.
Gap # 37 ... Flow Rate :	1.5665E-05	cu m/s...	Re # :	623.
Gap # 38 ... Flow Rate :	1.5460E-05	cu m/s...	Re # :	615.
Gap # 39 ... Flow Rate :	1.5594E-05	cu m/s...	Re # :	620.
Gap # 40 ... Flow Rate :	1.5929E-05	cu m/s...	Re # :	634.
Gap # 41 ... Flow Rate :	1.6391E-05	cu m/s...	Re # :	640.
Gap # 42 ... Flow Rate :	1.5367E-05	cu m/s...	Re # :	611.
Gap # 43 ... Flow Rate :	1.4832E-05	cu m/s...	Re # :	590.
Gap # 44 ... Flow Rate :	1.5047E-05	cu m/s...	Re # :	599.
Gap # 45 ... Flow Rate :	1.5008E-05	cu m/s...	Re # :	597.
Gap # 46 ... Flow Rate :	1.4104E-05	cu m/s...	Re # :	561.
Gap # 47 ... Flow Rate :	1.4597E-05	cu m/s...	Re # :	581.
Gap # 48 ... Flow Rate :	1.5934E-05	cu m/s...	Re # :	634.

End of calculation.

FLOW RATE, REYNOLD # & NET FLOW BY INTERNAL PRESSURE : TES158

Test Parameters:

Wind Velocity Of Wind Tunnel is : 10.09 m/s.

Wind Angle is : 0 degree.

Type Of Flow : UNIFORM / FIXED Q

Mechanical Ventilation : 1.1739E-03 cu m/s. (150.00 cfh)

All Gaps Are Open.

Total North side infiltration	:	4.8797E-04	cu m/s.
Total North side exfiltration	:	0.0000E+00	cu m/s.
Total East side infiltration	:	2.6382E-04	cu m/s.
Total East side exfiltration	:	0.0000E+00	cu m/s.
Total South side infiltration	:	3.1173E-04	cu m/s.
Total South side exfiltration	:	0.0000E+00	cu m/s.
Total West side infiltration	:	2.6031E-04	cu m/s.
Total West side exfiltration	:	0.0000E+00	cu m/s.

Net Flow Rate (Less Ventilation) : 1.4386E-04 cu m/s.

Gap # 1 ... Flow Rate :	4.0182E-05	cu m/s...	Re # :	1599.
Gap # 2 ... Flow Rate :	4.0455E-05	cu m/s...	Re # :	1610.
Gap # 3 ... Flow Rate :	4.0404E-05	cu m/s...	Re # :	1608.
Gap # 4 ... Flow Rate :	4.0079E-05	cu m/s...	Re # :	1595.
Gap # 5 ... Flow Rate :	4.1160E-05	cu m/s...	Re # :	1638.
Gap # 6 ... Flow Rate :	4.1453E-05	cu m/s...	Re # :	1649.
Gap # 7 ... Flow Rate :	4.1157E-05	cu m/s...	Re # :	1638.
Gap # 8 ... Flow Rate :	4.0563E-05	cu m/s...	Re # :	1614.
Gap # 9 ... Flow Rate :	4.1235E-05	cu m/s...	Re # :	1641.
Gap # 10 ... Flow Rate :	4.1131E-05	cu m/s...	Re # :	1637.
Gap # 11 ... Flow Rate :	4.0363E-05	cu m/s...	Re # :	1606.
Gap # 12 ... Flow Rate :	3.9690E-05	cu m/s...	Re # :	1579.
Gap # 13 ... Flow Rate :	2.2927E-05	cu m/s...	Re # :	908.
Gap # 14 ... Flow Rate :	2.2618E-05	cu m/s...	Re # :	900.
Gap # 15 ... Flow Rate :	2.2943E-05	cu m/s...	Re # :	909.
Gap # 16 ... Flow Rate :	2.3272E-05	cu m/s...	Re # :	926.
Gap # 17 ... Flow Rate :	2.2113E-05	cu m/s...	Re # :	880.
Gap # 18 ... Flow Rate :	2.2182E-05	cu m/s...	Re # :	883.
Gap # 19 ... Flow Rate :	2.2631E-05	cu m/s...	Re # :	900.
Gap # 20 ... Flow Rate :	2.3006E-05	cu m/s...	Re # :	915.
Gap # 21 ... Flow Rate :	2.1589E-05	cu m/s...	Re # :	859.
Gap # 22 ... Flow Rate :	2.0793E-05	cu m/s...	Re # :	827.
Gap # 23 ... Flow Rate :	1.9971E-05	cu m/s...	Re # :	795.
Gap # 24 ... Flow Rate :	1.9971E-05	cu m/s...	Re # :	795.
Gap # 25 ... Flow Rate :	2.4672E-05	cu m/s...	Re # :	982.
Gap # 26 ... Flow Rate :	2.4973E-05	cu m/s...	Re # :	994.
Gap # 27 ... Flow Rate :	2.4371E-05	cu m/s...	Re # :	990.
Gap # 28 ... Flow Rate :	2.4456E-05	cu m/s...	Re # :	973.
Gap # 29 ... Flow Rate :	2.6242E-05	cu m/s...	Re # :	1044.
Gap # 30 ... Flow Rate :	2.6338E-05	cu m/s...	Re # :	1048.
Gap # 31 ... Flow Rate :	2.6129E-05	cu m/s...	Re # :	1040.
Gap # 32 ... Flow Rate :	2.5822E-05	cu m/s...	Re # :	1027.
Gap # 33 ... Flow Rate :	2.6959E-05	cu m/s...	Re # :	1073.
Gap # 34 ... Flow Rate :	2.7039E-05	cu m/s...	Re # :	1076.
Gap # 35 ... Flow Rate :	2.7115E-05	cu m/s...	Re # :	1079.
Gap # 36 ... Flow Rate :	2.7112E-05	cu m/s...	Re # :	1079.
Gap # 37 ... Flow Rate :	2.2159E-05	cu m/s...	Re # :	882.
Gap # 38 ... Flow Rate :	2.2084E-05	cu m/s...	Re # :	879.
Gap # 39 ... Flow Rate :	2.2324E-05	cu m/s...	Re # :	888.
Gap # 40 ... Flow Rate :	2.2636E-05	cu m/s...	Re # :	901.
Gap # 41 ... Flow Rate :	2.2120E-05	cu m/s...	Re # :	880.
Gap # 42 ... Flow Rate :	2.1643E-05	cu m/s...	Re # :	861.
Gap # 43 ... Flow Rate :	2.1385E-05	cu m/s...	Re # :	851.
Gap # 44 ... Flow Rate :	2.1611E-05	cu m/s...	Re # :	860.
Gap # 45 ... Flow Rate :	2.0926E-05	cu m/s...	Re # :	833.
Gap # 46 ... Flow Rate :	2.0397E-05	cu m/s...	Re # :	812.
Gap # 47 ... Flow Rate :	2.0976E-05	cu m/s...	Re # :	835.
Gap # 48 ... Flow Rate :	2.2047E-05	cu m/s...	Re # :	877.

End of calculation.

FLOW RATE, REYNOLD ν & NET FLOW BY INTERNAL PRESSURE : TES153

Test Parameters:

Wind Velocity Of Wind Tunnel is : 9.99 m/s.

Wind Angle is : 0 degree.

Type Of Flow : UNIFORM / FIXED Q

Mechanical Ventilation : 1.4158E-03 cu m/s. (180.00 cfm)

All Gaps Are Open.

Total North side infiltration	:	5.2826E-04	cu m/s.
Total North side exfiltration	:	0.0000E+00	cu m/s.
Total East side infiltration	:	3.2983E-04	cu m/s.
Total East side exfiltration	:	0.0000E+00	cu m/s.
Total South side infiltration	:	3.7230E-04	cu m/s.
Total South side exfiltration	:	0.0000E+00	cu m/s.
Total West side infiltration	:	3.2833E-04	cu m/s.
Total West side exfiltration	:	0.0000E+00	cu m/s.

Net Flow Rate (Less Ventilation) : 1.4187E-04 cu m/s.

Gap # 1 ...Flow Rate :	4.3698E-05	cu m/s...	Re # :	1739.
Gap # 2 ...Flow Rate :	4.3721E-05	cu m/s...	Re # :	1740.
Gap # 3 ...Flow Rate :	4.3527E-05	cu m/s...	Re # :	1732.
Gap # 4 ...Flow Rate :	4.3310E-05	cu m/s...	Re # :	1723.
Gap # 5 ...Flow Rate :	4.4405E-05	cu m/s...	Re # :	1767.
Gap # 6 ...Flow Rate :	4.4568E-05	cu m/s...	Re # :	1773.
Gap # 7 ...Flow Rate :	4.4096E-05	cu m/s...	Re # :	1755.
Gap # 8 ...Flow Rate :	4.3452E-05	cu m/s...	Re # :	1729.
Gap # 9 ...Flow Rate :	4.4917E-05	cu m/s...	Re # :	1787.
Gap #10 ...Flow Rate :	4.4793E-05	cu m/s...	Re # :	1782.
Gap #11 ...Flow Rate :	4.4147E-05	cu m/s...	Re # :	1757.
Gap #12 ...Flow Rate :	4.3620E-05	cu m/s...	Re # :	1736.
Gap #13 ...Flow Rate :	2.8106E-05	cu m/s...	Re # :	1118.
Gap #14 ...Flow Rate :	2.8193E-05	cu m/s...	Re # :	1122.
Gap #15 ...Flow Rate :	2.8297E-05	cu m/s...	Re # :	1126.
Gap #16 ...Flow Rate :	2.8314E-05	cu m/s...	Re # :	1127.
Gap #17 ...Flow Rate :	2.7418E-05	cu m/s...	Re # :	1091.
Gap #18 ...Flow Rate :	2.7349E-05	cu m/s...	Re # :	1088.
Gap #19 ...Flow Rate :	2.7803E-05	cu m/s...	Re # :	1106.
Gap #20 ...Flow Rate :	2.8317E-05	cu m/s...	Re # :	1127.
Gap #21 ...Flow Rate :	2.7408E-05	cu m/s...	Re # :	1091.
Gap #22 ...Flow Rate :	2.6680E-05	cu m/s...	Re # :	1062.
Gap #23 ...Flow Rate :	2.5626E-05	cu m/s...	Re # :	1020.
Gap #24 ...Flow Rate :	2.5316E-05	cu m/s...	Re # :	1007.
Gap #25 ...Flow Rate :	3.0127E-05	cu m/s...	Re # :	1199.
Gap #26 ...Flow Rate :	3.0312E-05	cu m/s...	Re # :	1206.
Gap #27 ...Flow Rate :	3.0261E-05	cu m/s...	Re # :	1204.
Gap #28 ...Flow Rate :	3.0024E-05	cu m/s...	Re # :	1195.
Gap #29 ...Flow Rate :	3.0997E-05	cu m/s...	Re # :	1233.
Gap #30 ...Flow Rate :	3.1266E-05	cu m/s...	Re # :	1244.
Gap #31 ...Flow Rate :	3.1203E-05	cu m/s...	Re # :	1242.
Gap #32 ...Flow Rate :	3.0868E-05	cu m/s...	Re # :	1228.
Gap #33 ...Flow Rate :	3.1850E-05	cu m/s...	Re # :	1267.
Gap #34 ...Flow Rate :	3.2011E-05	cu m/s...	Re # :	1274.
Gap #35 ...Flow Rate :	3.1852E-05	cu m/s...	Re # :	1267.
Gap #36 ...Flow Rate :	3.1531E-05	cu m/s...	Re # :	1255.
Gap #37 ...Flow Rate :	2.3113E-05	cu m/s...	Re # :	1119.
Gap #38 ...Flow Rate :	2.7724E-05	cu m/s...	Re # :	1103.
Gap #39 ...Flow Rate :	2.7653E-05	cu m/s...	Re # :	1100.
Gap #40 ...Flow Rate :	2.7973E-05	cu m/s...	Re # :	1113.
Gap #41 ...Flow Rate :	2.7791E-05	cu m/s...	Re # :	1106.
Gap #42 ...Flow Rate :	2.7433E-05	cu m/s...	Re # :	1092.
Gap #43 ...Flow Rate :	2.7329E-05	cu m/s...	Re # :	1087.
Gap #44 ...Flow Rate :	2.7535E-05	cu m/s...	Re # :	1098.
Gap #45 ...Flow Rate :	2.6681E-05	cu m/s...	Re # :	1062.
Gap #46 ...Flow Rate :	2.6079E-05	cu m/s...	Re # :	1038.
Gap #47 ...Flow Rate :	2.6489E-05	cu m/s...	Re # :	1054.
Gap #48 ...Flow Rate :	2.7478E-05	cu m/s...	Re # :	1093.

End of calculation.

FLOW RATE, REYNOLD # & NET FLOW BY INTERNAL PRESSURE : TES154

Test Parameters:

Wind Velocity Of Wind Tunnel is : 9.97 m/s.

Wind Angle is : 30 degree.

Type Of Flow : UNIFORM / FIXED Q

Mechanical Ventilation : 1.4158E-03 cu m/s. (180.00 cfm)

All Gaps Are Open.

Total North side infiltration	:	4.8562E-04	cu m/s.
Total North side exfiltration	:	0.0000E+00	cu m/s.
Total East side infiltration	:	4.3752E-04	cu m/s.
Total East side exfiltration	:	0.0000E+00	cu m/s.
Total South side infiltration	:	3.3779E-04	cu m/s.
Total South side exfiltration	:	0.0000E+00	cu m/s.
Total West side infiltration	:	3.2294E-04	cu m/s.
Total West side exfiltration	:	0.0000E+00	cu m/s.

Net Flow Rate (Less Ventilation) : 1.6803E-04 cu m/s.

Gap # 1 ... Flow Rate :	4.1539E-05	cu m/s...	Re # : 1653.
Gap # 2 ... Flow Rate :	4.0893E-05	cu m/s...	Re # : 1627.
Gap # 3 ... Flow Rate :	3.9313E-05	cu m/s...	Re # : 1564.
Gap # 4 ... Flow Rate :	3.8368E-05	cu m/s...	Re # : 1527.
Gap # 5 ... Flow Rate :	4.2544E-05	cu m/s...	Re # : 1693.
Gap # 6 ... Flow Rate :	4.1835E-05	cu m/s...	Re # : 1665.
Gap # 7 ... Flow Rate :	4.0064E-05	cu m/s...	Re # : 1594.
Gap # 8 ... Flow Rate :	3.8987E-05	cu m/s...	Re # : 1551.
Gap # 9 ... Flow Rate :	4.1789E-05	cu m/s...	Re # : 1663.
Gap #10 ... Flow Rate :	4.1154E-05	cu m/s...	Re # : 1637.
Gap #11 ... Flow Rate :	3.9886E-05	cu m/s...	Re # : 1587.
Gap #12 ... Flow Rate :	3.9252E-05	cu m/s...	Re # : 1562.
Gap #13 ... Flow Rate :	3.4165E-05	cu m/s...	Re # : 1359.
Gap #14 ... Flow Rate :	3.5025E-05	cu m/s...	Re # : 1394.
Gap #15 ... Flow Rate :	3.6601E-05	cu m/s...	Re # : 1456.
Gap #16 ... Flow Rate :	3.7323E-05	cu m/s...	Re # : 1485.
Gap #17 ... Flow Rate :	3.4357E-05	cu m/s...	Re # : 1387.
Gap #18 ... Flow Rate :	3.5683E-05	cu m/s...	Re # : 1420.
Gap #19 ... Flow Rate :	3.7452E-05	cu m/s...	Re # : 1490.
Gap #20 ... Flow Rate :	3.8389E-05	cu m/s...	Re # : 1527.
Gap #21 ... Flow Rate :	3.5699E-05	cu m/s...	Re # : 1420.
Gap #22 ... Flow Rate :	3.6421E-05	cu m/s...	Re # : 1449.
Gap #23 ... Flow Rate :	3.7681E-05	cu m/s...	Re # : 1499.
Gap #24 ... Flow Rate :	3.8225E-05	cu m/s...	Re # : 1521.
Gap #25 ... Flow Rate :	2.6800E-05	cu m/s...	Re # : 1066.
Gap #26 ... Flow Rate :	2.7129E-05	cu m/s...	Re # : 1079.
Gap #27 ... Flow Rate :	2.7648E-05	cu m/s...	Re # : 1100.
Gap #28 ... Flow Rate :	2.7841E-05	cu m/s...	Re # : 1108.
Gap #29 ... Flow Rate :	2.7502E-05	cu m/s...	Re # : 1094.
Gap #30 ... Flow Rate :	2.7663E-05	cu m/s...	Re # : 1101.
Gap #31 ... Flow Rate :	2.7968E-05	cu m/s...	Re # : 1112.
Gap #32 ... Flow Rate :	2.8096E-05	cu m/s...	Re # : 1118.
Gap #33 ... Flow Rate :	2.9333E-05	cu m/s...	Re # : 1167.
Gap #34 ... Flow Rate :	2.9240E-05	cu m/s...	Re # : 1163.
Gap #35 ... Flow Rate :	2.9241E-05	cu m/s...	Re # : 1163.
Gap #36 ... Flow Rate :	2.9337E-05	cu m/s...	Re # : 1167.
Gap #37 ... Flow Rate :	2.6497E-05	cu m/s...	Re # : 1054.
Gap #38 ... Flow Rate :	2.6436E-05	cu m/s...	Re # : 1052.
Gap #39 ... Flow Rate :	2.6197E-05	cu m/s...	Re # : 1042.
Gap #40 ... Flow Rate :	2.6017E-05	cu m/s...	Re # : 1035.
Gap #41 ... Flow Rate :	2.7223E-05	cu m/s...	Re # : 1083.
Gap #42 ... Flow Rate :	2.6927E-05	cu m/s...	Re # : 1071.
Gap #43 ... Flow Rate :	2.6382E-05	cu m/s...	Re # : 1050.
Gap #44 ... Flow Rate :	2.6133E-05	cu m/s...	Re # : 1040.
Gap #45 ... Flow Rate :	2.8544E-05	cu m/s...	Re # : 1136.
Gap #46 ... Flow Rate :	2.8191E-05	cu m/s...	Re # : 1122.
Gap #47 ... Flow Rate :	2.7412E-05	cu m/s...	Re # : 1091.
Gap #48 ... Flow Rate :	2.6984E-05	cu m/s...	Re # : 1074.

End of calculation.

FLOW RATE, REYNOLD # & NET FLOW BY INTERNAL PRESSURE : TES155

Test Parameters:

Wind Velocity Of Wind Tunnel is : 10.05 m/s.

Wind Angle is : 45 degree.

Type Of Flow : UNIFORM / FIXED Q

Mechanical Ventilation : 1.4153E-03 cu m/s. (160.00 cfm)

All Gaps Are Open.

Total North side infiltration	:	4.5977E-04	cu m/s.
Total North side exfiltration	:	0.0000E+00	cu m/s.
Total East side infiltration	:	4.7561E-04	cu m/s.
Total East side exfiltration	:	0.0000E+00	cu m/s.
Total South side infiltration	:	3.2379E-04	cu m/s.
Total South side exfiltration	:	0.0000E+00	cu m/s.
Total West side infiltration	:	3.2278E-04	cu m/s.
Total West side exfiltration	:	0.0000E+00	cu m/s.

Net Flow Rate (Less Ventilation) : 1.6611E-04 cu m/s.

Gap # 1 ... Flow Rate :	3.9263E-05	cu m/s...	Re # :	1562.
Gap # 2 ... Flow Rate :	3.8687E-05	cu m/s...	Re # :	1539.
Gap # 3 ... Flow Rate :	3.7099E-05	cu m/s...	Re # :	1476.
Gap # 4 ... Flow Rate :	3.6068E-05	cu m/s...	Re # :	1435.
Gap # 5 ... Flow Rate :	4.0083E-05	cu m/s...	Re # :	1595.
Gap # 6 ... Flow Rate :	3.9599E-05	cu m/s...	Re # :	1576.
Gap # 7 ... Flow Rate :	3.7737E-05	cu m/s...	Re # :	1502.
Gap # 8 ... Flow Rate :	3.6316E-05	cu m/s...	Re # :	1445.
Gap # 9 ... Flow Rate :	4.0588E-05	cu m/s...	Re # :	1615.
Gap # 10 ... Flow Rate :	3.9605E-05	cu m/s...	Re # :	1576.
Gap # 11 ... Flow Rate :	3.7782E-05	cu m/s...	Re # :	1503.
Gap # 12 ... Flow Rate :	3.6948E-05	cu m/s...	Re # :	1470.
Gap # 13 ... Flow Rate :	3.6965E-05	cu m/s...	Re # :	1471.
Gap # 14 ... Flow Rate :	3.7996E-05	cu m/s...	Re # :	1512.
Gap # 15 ... Flow Rate :	3.9712E-05	cu m/s...	Re # :	1580.
Gap # 16 ... Flow Rate :	4.0410E-05	cu m/s...	Re # :	1608.
Gap # 17 ... Flow Rate :	3.7843E-05	cu m/s...	Re # :	1506.
Gap # 18 ... Flow Rate :	3.8985E-05	cu m/s...	Re # :	1551.
Gap # 19 ... Flow Rate :	4.0831E-05	cu m/s...	Re # :	1625.
Gap # 20 ... Flow Rate :	4.1554E-05	cu m/s...	Re # :	1653.
Gap # 21 ... Flow Rate :	3.8536E-05	cu m/s...	Re # :	1533.
Gap # 22 ... Flow Rate :	3.9641E-05	cu m/s...	Re # :	1577.
Gap # 23 ... Flow Rate :	4.1286E-05	cu m/s...	Re # :	1643.
Gap # 24 ... Flow Rate :	4.1848E-05	cu m/s...	Re # :	1665.
Gap # 25 ... Flow Rate :	2.5757E-05	cu m/s...	Re # :	1025.
Gap # 26 ... Flow Rate :	2.6032E-05	cu m/s...	Re # :	1036.
Gap # 27 ... Flow Rate :	2.6495E-05	cu m/s...	Re # :	1054.
Gap # 28 ... Flow Rate :	2.6683E-05	cu m/s...	Re # :	1062.
Gap # 29 ... Flow Rate :	2.6138E-05	cu m/s...	Re # :	1040.
Gap # 30 ... Flow Rate :	2.6377E-05	cu m/s...	Re # :	1050.
Gap # 31 ... Flow Rate :	2.6877E-05	cu m/s...	Re # :	1069.
Gap # 32 ... Flow Rate :	2.7136E-05	cu m/s...	Re # :	1080.
Gap # 33 ... Flow Rate :	2.7718E-05	cu m/s...	Re # :	1103.
Gap # 34 ... Flow Rate :	2.7812E-05	cu m/s...	Re # :	1107.
Gap # 35 ... Flow Rate :	2.8226E-05	cu m/s...	Re # :	1123.
Gap # 36 ... Flow Rate :	2.8544E-05	cu m/s...	Re # :	1136.
Gap # 37 ... Flow Rate :	2.6704E-05	cu m/s...	Re # :	1063.
Gap # 38 ... Flow Rate :	2.6407E-05	cu m/s...	Re # :	1051.
Gap # 39 ... Flow Rate :	2.5789E-05	cu m/s...	Re # :	1026.
Gap # 40 ... Flow Rate :	2.5468E-05	cu m/s...	Re # :	1013.
Gap # 41 ... Flow Rate :	2.6955E-05	cu m/s...	Re # :	1073.
Gap # 42 ... Flow Rate :	2.6819E-05	cu m/s...	Re # :	1067.
Gap # 43 ... Flow Rate :	2.6280E-05	cu m/s...	Re # :	1046.
Gap # 44 ... Flow Rate :	2.5872E-05	cu m/s...	Re # :	1029.
Gap # 45 ... Flow Rate :	2.8583E-05	cu m/s...	Re # :	1137.
Gap # 46 ... Flow Rate :	2.8209E-05	cu m/s...	Re # :	1122.
Gap # 47 ... Flow Rate :	2.7840E-05	cu m/s...	Re # :	1108.
Gap # 48 ... Flow Rate :	2.7851E-05	cu m/s...	Re # :	1108.

End of calculation.

FLOW RATE, REYNOLD # & NET FLOW BY INTERNAL PRESSURE : TES156

Test Parameters:

Wind Velocity Of Wind Tunnel is : 10.08 m/s.

Wind Angle is : 60 degree.

Type Of Flow : UNIFORM / FIXED Q

Mechanical Ventilation : 1.4158E+03 cu m/s. (180.00 cfm)

All Gaps Are Open.

Total North side infiltration	:	4.1988E-04	cu m/s.
Total North side exfiltration	:	0.0000E+00	cu m/s.
Total East side infiltration	:	5.0164E-04	cu m/s.
Total East side exfiltration	:	0.0000E+00	cu m/s.
Total South side infiltration	:	3.2420E-04	cu m/s.
Total South side exfiltration	:	0.0000E+00	cu m/s.
Total West side infiltration	:	3.3388E-04	cu m/s.
Total West side exfiltration	:	0.0000E+00	cu m/s.

Net Flow Rate (Less Ventilation) : 1.6376E-04 cu m/s.

Gap # 1 ... Flow Rate :	3.5902E-05	cu m/s...	Re # :	1429.
Gap # 2 ... Flow Rate :	3.5552E-05	cu m/s...	Re # :	1415.
Gap # 3 ... Flow Rate :	3.4244E-05	cu m/s...	Re # :	1363.
Gap # 4 ... Flow Rate :	3.3267E-05	cu m/s...	Re # :	1324.
Gap # 5 ... Flow Rate :	3.5458E-05	cu m/s...	Re # :	1411.
Gap # 6 ... Flow Rate :	3.5939E-05	cu m/s...	Re # :	1430.
Gap # 7 ... Flow Rate :	3.5099E-05	cu m/s...	Re # :	1397.
Gap # 8 ... Flow Rate :	3.3736E-05	cu m/s...	Re # :	1342.
Gap # 9 ... Flow Rate :	3.5066E-05	cu m/s...	Re # :	1395.
Gap # 10 ... Flow Rate :	3.5722E-05	cu m/s...	Re # :	1421.
Gap # 11 ... Flow Rate :	3.5428E-05	cu m/s...	Re # :	1410.
Gap # 12 ... Flow Rate :	3.4465E-05	cu m/s...	Re # :	1371.
Gap # 13 ... Flow Rate :	3.9587E-05	cu m/s...	Re # :	1575.
Gap # 14 ... Flow Rate :	4.0306E-05	cu m/s...	Re # :	1604.
Gap # 15 ... Flow Rate :	4.1792E-05	cu m/s...	Re # :	1663.
Gap # 16 ... Flow Rate :	4.2558E-05	cu m/s...	Re # :	1633.
Gap # 17 ... Flow Rate :	4.0471E-05	cu m/s...	Re # :	1610.
Gap # 18 ... Flow Rate :	4.1392E-05	cu m/s...	Re # :	1647.
Gap # 19 ... Flow Rate :	4.2845E-05	cu m/s...	Re # :	1705.
Gap # 20 ... Flow Rate :	4.3388E-05	cu m/s...	Re # :	1726.
Gap # 21 ... Flow Rate :	4.0968E-05	cu m/s...	Re # :	1630.
Gap # 22 ... Flow Rate :	4.1779E-05	cu m/s...	Re # :	1662.
Gap # 23 ... Flow Rate :	4.3046E-05	cu m/s...	Re # :	1713.
Gap # 24 ... Flow Rate :	4.3512E-05	cu m/s...	Re # :	1731.
Gap # 25 ... Flow Rate :	2.5925E-05	cu m/s...	Re # :	1032.
Gap # 26 ... Flow Rate :	2.6109E-05	cu m/s...	Re # :	1039.
Gap # 27 ... Flow Rate :	2.6432E-05	cu m/s...	Re # :	1052.
Gap # 28 ... Flow Rate :	2.6571E-05	cu m/s...	Re # :	1057.
Gap # 29 ... Flow Rate :	2.6208E-05	cu m/s...	Re # :	1043.
Gap # 30 ... Flow Rate :	2.6554E-05	cu m/s...	Re # :	1057.
Gap # 31 ... Flow Rate :	2.7108E-05	cu m/s...	Re # :	1079.
Gap # 32 ... Flow Rate :	2.7319E-05	cu m/s...	Re # :	1087.
Gap # 33 ... Flow Rate :	2.7370E-05	cu m/s...	Re # :	1089.
Gap # 34 ... Flow Rate :	2.7699E-05	cu m/s...	Re # :	1102.
Gap # 35 ... Flow Rate :	2.8309E-05	cu m/s...	Re # :	1126.
Gap # 36 ... Flow Rate :	2.8593E-05	cu m/s...	Re # :	1133.
Gap # 37 ... Flow Rate :	2.7638E-05	cu m/s...	Re # :	1100.
Gap # 38 ... Flow Rate :	2.7362E-05	cu m/s...	Re # :	1099.
Gap # 39 ... Flow Rate :	2.6747E-05	cu m/s...	Re # :	1064.
Gap # 40 ... Flow Rate :	2.6407E-05	cu m/s...	Re # :	1051.
Gap # 41 ... Flow Rate :	2.7661E-05	cu m/s...	Re # :	1101.
Gap # 42 ... Flow Rate :	2.7550E-05	cu m/s...	Re # :	1096.
Gap # 43 ... Flow Rate :	2.7266E-05	cu m/s...	Re # :	1085.
Gap # 44 ... Flow Rate :	2.7093E-05	cu m/s...	Re # :	1078.
Gap # 45 ... Flow Rate :	2.9108E-05	cu m/s...	Re # :	1158.
Gap # 46 ... Flow Rate :	2.9019E-05	cu m/s...	Re # :	1155.
Gap # 47 ... Flow Rate :	2.9986E-05	cu m/s...	Re # :	1153.
Gap # 48 ... Flow Rate :	2.9041E-05	cu m/s...	Re # :	1156.

End of calculation.

FLOW RATE, REYNOLD # & NET FLOW BY INTERNAL PRESSURE : TES151

Test Parameters:

Wind Velocity Of Wind Tunnel is : 5.02 m/s.

Wind Angle is : 0 degree.

Type Of Flow : UNIFORM / FIXED Q

Mechanical Ventilation : 1.4158E-03 cu m/s. (190.00 cfh)

All Gaps Are Open.

Total North side infiltration : 4.2816E-04 cu m/s.
 Total North side exfiltration : 0.0000E+00 cu m/s.
 Total East side infiltration : 3.6817E-04 cu m/s.
 Total East side exfiltration : 0.0000E+00 cu m/s.
 Total South side infiltration : 3.7842E-04 cu m/s.
 Total South side exfiltration : 0.0000E+00 cu m/s.
 Total West side infiltration : 3.6842E-04 cu m/s.
 Total West side exfiltration : 0.0000E+00 cu m/s.

Net Flow Rate (Less Ventilation) : 1.2734E-04 cu m/s.

Gap # 1 ... Flow Rate :	3.5558E-05	cu m/s...	Re # :	1415.
Gap # 2 ... Flow Rate :	3.5641E-05	cu m/s...	Re # :	1418.
Gap # 3 ... Flow Rate :	3.5587E-05	cu m/s...	Re # :	1416.
Gap # 4 ... Flow Rate :	3.5450E-05	cu m/s...	Re # :	1411.
Gap # 5 ... Flow Rate :	3.5778E-05	cu m/s...	Re # :	1424.
Gap # 6 ... Flow Rate :	3.5900E-05	cu m/s...	Re # :	1428.
Gap # 7 ... Flow Rate :	3.5787E-05	cu m/s...	Re # :	1424.
Gap # 8 ... Flow Rate :	3.5552E-05	cu m/s...	Re # :	1415.
Gap # 9 ... Flow Rate :	3.5996E-05	cu m/s...	Re # :	1432.
Gap # 10 ... Flow Rate :	3.5692E-05	cu m/s...	Re # :	1429.
Gap # 11 ... Flow Rate :	3.5604E-05	cu m/s...	Re # :	1417.
Gap # 12 ... Flow Rate :	3.5420E-05	cu m/s...	Re # :	1409.
Gap # 13 ... Flow Rate :	3.0301E-05	cu m/s...	Re # :	1226.
Gap # 14 ... Flow Rate :	3.0842E-05	cu m/s...	Re # :	1227.
Gap # 15 ... Flow Rate :	3.0891E-05	cu m/s...	Re # :	1229.
Gap # 16 ... Flow Rate :	3.0899E-05	cu m/s...	Re # :	1229.
Gap # 17 ... Flow Rate :	3.0742E-05	cu m/s...	Re # :	1223.
Gap # 18 ... Flow Rate :	3.0730E-05	cu m/s...	Re # :	1223.
Gap # 19 ... Flow Rate :	3.0811E-05	cu m/s...	Re # :	1226.
Gap # 20 ... Flow Rate :	3.0905E-05	cu m/s...	Re # :	1230.
Gap # 21 ... Flow Rate :	3.0622E-05	cu m/s...	Re # :	1213.
Gap # 22 ... Flow Rate :	3.0464E-05	cu m/s...	Re # :	1212.
Gap # 23 ... Flow Rate :	3.0258E-05	cu m/s...	Re # :	1204.
Gap # 24 ... Flow Rate :	3.0209E-05	cu m/s...	Re # :	1202.
Gap # 25 ... Flow Rate :	3.1220E-05	cu m/s...	Re # :	1242.
Gap # 26 ... Flow Rate :	3.1289E-05	cu m/s...	Re # :	1245.
Gap # 27 ... Flow Rate :	3.1275E-05	cu m/s...	Re # :	1244.
Gap # 28 ... Flow Rate :	3.1191E-05	cu m/s...	Re # :	1241.
Gap # 29 ... Flow Rate :	3.1545E-05	cu m/s...	Re # :	1255.
Gap # 30 ... Flow Rate :	3.1580E-05	cu m/s...	Re # :	1257.
Gap # 31 ... Flow Rate :	3.1536E-05	cu m/s...	Re # :	1255.
Gap # 32 ... Flow Rate :	3.1466E-05	cu m/s...	Re # :	1252.
Gap # 33 ... Flow Rate :	3.1466E-05	cu m/s...	Re # :	1269.
Gap # 34 ... Flow Rate :	3.1466E-05	cu m/s...	Re # :	1268.
Gap # 35 ... Flow Rate :	3.1466E-05	cu m/s...	Re # :	1266.
Gap # 36 ... Flow Rate :	3.1752E-05	cu m/s...	Re # :	1263.
Gap # 37 ... Flow Rate :	3.0884E-05	cu m/s...	Re # :	1229.
Gap # 38 ... Flow Rate :	3.0842E-05	cu m/s...	Re # :	1227.
Gap # 39 ... Flow Rate :	3.0765E-05	cu m/s...	Re # :	1224.
Gap # 40 ... Flow Rate :	3.0731E-05	cu m/s...	Re # :	1223.
Gap # 41 ... Flow Rate :	3.0786E-05	cu m/s...	Re # :	1225.
Gap # 42 ... Flow Rate :	3.0720E-05	cu m/s...	Re # :	1222.
Gap # 43 ... Flow Rate :	3.0696E-05	cu m/s...	Re # :	1221.
Gap # 44 ... Flow Rate :	3.0739E-05	cu m/s...	Re # :	1223.
Gap # 45 ... Flow Rate :	3.0539E-05	cu m/s...	Re # :	1215.
Gap # 46 ... Flow Rate :	3.0447E-05	cu m/s...	Re # :	1211.
Gap # 47 ... Flow Rate :	3.0543E-05	cu m/s...	Re # :	1215.
Gap # 48 ... Flow Rate :	3.0730E-05	cu m/s...	Re # :	1223.

End of calculation.

FLOW RATE, REYNOLD # & NET FLOW BY INTERNAL PRESSURE : TES152

Test Parameters:

Wind Velocity Of Wind Tunnel is : 7.25 m/s.

Wind Angle is : 0 degree.

Type Of Flow : UNIFORM / FIXED Q

Mechanical Ventilation : 1.4153E-03 cu m/s. (180.00 cfm)

All Gaps Are Open.

Total North side infiltration : 4.6569E-04 cu m/s.
 Total North side exfiltration : 0.0000E+00 cu m/s.
 Total East side infiltration : 3.5460E-04 cu m/s.
 Total East side exfiltration : 0.0000E+00 cu m/s.
 Total South side infiltration : 3.7689E-04 cu m/s.
 Total South side exfiltration : 0.0000E+00 cu m/s.
 Total West side infiltration : 3.5471E-04 cu m/s.
 Total West side exfiltration : 0.0000E+00 cu m/s.

Net Flow Rate (Less Ventilation) : 1.3604E-04 cu m/s.

Gap # 1 ... Flow Rate :	3.8687E-05	cu m/s...	Re # :	1539.
Gap # 2 ... Flow Rate :	3.9722E-05	cu m/s...	Re # :	1541.
Gap # 3 ... Flow Rate :	3.8582E-05	cu m/s...	Re # :	1535.
Gap # 4 ... Flow Rate :	3.8406E-05	cu m/s...	Re # :	1528.
Gap # 5 ... Flow Rate :	3.8965E-05	cu m/s...	Re # :	1550.
Gap # 6 ... Flow Rate :	3.9111E-05	cu m/s...	Re # :	1556.
Gap # 7 ... Flow Rate :	3.9006E-05	cu m/s...	Re # :	1552.
Gap # 8 ... Flow Rate :	3.8754E-05	cu m/s...	Re # :	1542.
Gap # 9 ... Flow Rate :	3.9189E-05	cu m/s...	Re # :	1559.
Gap # 10 ... Flow Rate :	3.9199E-05	cu m/s...	Re # :	1560.
Gap # 11 ... Flow Rate :	3.8750E-05	cu m/s...	Re # :	1542.
Gap # 12 ... Flow Rate :	3.8307E-05	cu m/s...	Re # :	1524.
Gap # 13 ... Flow Rate :	2.9939E-05	cu m/s...	Re # :	1191.
Gap # 14 ... Flow Rate :	2.9878E-05	cu m/s...	Re # :	1189.
Gap # 15 ... Flow Rate :	2.9871E-05	cu m/s...	Re # :	1189.
Gap # 16 ... Flow Rate :	2.9924E-05	cu m/s...	Re # :	1191.
Gap # 17 ... Flow Rate :	2.9606E-05	cu m/s...	Re # :	1178.
Gap # 18 ... Flow Rate :	2.9584E-05	cu m/s...	Re # :	1177.
Gap # 19 ... Flow Rate :	2.9794E-05	cu m/s...	Re # :	1185.
Gap # 20 ... Flow Rate :	3.0024E-05	cu m/s...	Re # :	1195.
Gap # 21 ... Flow Rate :	2.9458E-05	cu m/s...	Re # :	1172.
Gap # 22 ... Flow Rate :	2.9076E-05	cu m/s...	Re # :	1157.
Gap # 23 ... Flow Rate :	2.8712E-05	cu m/s...	Re # :	1142.
Gap # 24 ... Flow Rate :	2.8736E-05	cu m/s...	Re # :	1143.
Gap # 25 ... Flow Rate :	3.0933E-05	cu m/s...	Re # :	1231.
Gap # 26 ... Flow Rate :	3.0962E-05	cu m/s...	Re # :	1232.
Gap # 27 ... Flow Rate :	3.0966E-05	cu m/s...	Re # :	1232.
Gap # 28 ... Flow Rate :	3.0940E-05	cu m/s...	Re # :	1231.
Gap # 29 ... Flow Rate :	3.1202E-05	cu m/s...	Re # :	1241.
Gap # 30 ... Flow Rate :	3.1456E-05	cu m/s...	Re # :	1252.
Gap # 31 ... Flow Rate :	3.1547E-05	cu m/s...	Re # :	1255.
Gap # 32 ... Flow Rate :	3.1386E-05	cu m/s...	Re # :	1249.
Gap # 33 ... Flow Rate :	3.1920E-05	cu m/s...	Re # :	1270.
Gap # 34 ... Flow Rate :	3.1943E-05	cu m/s...	Re # :	1271.
Gap # 35 ... Flow Rate :	3.1867E-05	cu m/s...	Re # :	1268.
Gap # 36 ... Flow Rate :	3.1767E-05	cu m/s...	Re # :	1264.
Gap # 37 ... Flow Rate :	2.9699E-05	cu m/s...	Re # :	1182.
Gap # 38 ... Flow Rate :	2.9611E-05	cu m/s...	Re # :	1178.
Gap # 39 ... Flow Rate :	2.9562E-05	cu m/s...	Re # :	1176.
Gap # 40 ... Flow Rate :	2.9602E-05	cu m/s...	Re # :	1178.
Gap # 41 ... Flow Rate :	2.9777E-05	cu m/s...	Re # :	1185.
Gap # 42 ... Flow Rate :	2.9521E-05	cu m/s...	Re # :	1175.
Gap # 43 ... Flow Rate :	2.9401E-05	cu m/s...	Re # :	1170.
Gap # 44 ... Flow Rate :	2.9537E-05	cu m/s...	Re # :	1175.
Gap # 45 ... Flow Rate :	2.9551E-05	cu m/s...	Re # :	1176.
Gap # 46 ... Flow Rate :	2.9410E-05	cu m/s...	Re # :	1170.
Gap # 47 ... Flow Rate :	2.9434E-05	cu m/s...	Re # :	1171.
Gap # 48 ... Flow Rate :	2.9538E-05	cu m/s...	Re # :	1178.

End of calculation.

APPENDIX H

TABLES OF COMPARISON FOR PRESSURE DIFFERENTIAL

LIST OF COMPARISON TABLES

	TEST#	V(m/s)	ANGLE	T.FLOW	F.RATE
1	153,163,1	10 m/s	0	UNIFORM	180
2	154,163,4	10 m/s	30	UNIFORM	180
3	155,163,19	10 m/s	45	UNIFORM	180
4	156,163,7	10 m/s	60	UNIFORM	180
5	159,160,1	10 m/s	0	UNIFORM	90
6	157,161,1	10 m/s	0	UNIFORM	120
7	158,162,1	10 m/s	0	UNIFORM	150
8	151,163,40	5 m/s	0	UNIFORM	180
9	152,163,51	7.25m/s	0	UNIFORM	180
10	140,138,62	10 m/s	0	SHEAR	180
11	141,138,65	10 m/s	30	SHEAR	180
12	142,138,67	10 m/s	45	SHEAR	180
13	143,138,77	10 m/s	60	SHEAR	180
14	148,147,62	10 m/s	0	SHEAR	120
15	149,137,62	10 m/s	0	SHEAR	150
16	150,139,62	10 m/s	0	SHEAR	210
17	144,138,70	5 m/s	0	SHEAR	180
18	145,,138,71	7.25m/s	0	SHEAR	180
19	146,138,69	12.5m/s	0	SHEAR	180

Value of pressure differences (Po-Pi) and % differences:

(Percentage is evaluated as $dP(dDiff)/dP(wind \& vent)$)

	dP(W & V) (Pa)	dP(Vent) (Pa)	dP(Wind) (Pa)	dP(Diff) (Pa)	% Diff
At N31....	201.26Pa.	108.54Pa.	85.66Pa.	7.06Pa.	3.51%
At N32....	201.65Pa.	108.46Pa.	92.65Pa.	.54Pa.	.27%
At N33....	197.94Pa.	108.21Pa.	87.12Pa.	2.62Pa.	1.32%
At N21....	207.38Pa.	108.66Pa.	91.96Pa.	6.77Pa.	3.26%
At N22....	210.22Pa.	108.18Pa.	99.39Pa.	2.15Pa.	1.02%
At N23....	199.16Pa.	108.38Pa.	92.80Pa.	-2.02Pa.	-1.01%
At N11....	211.37Pa.	108.09Pa.	97.08Pa.	6.70Pa.	3.16%
At N12....	209.69Pa.	108.51Pa.	99.06Pa.	2.12Pa.	1.01%
At N13....	200.59Pa.	108.37Pa.	90.69Pa.	1.54Pa.	.77%
At E31....	89.48Pa.	108.12Pa.	-22.01Pa.	3.36Pa.	3.77%
At E32....	90.49Pa.	108.57Pa.	-20.40Pa.	2.32Pa.	2.56%
At E33....	90.69Pa.	108.37Pa.	-20.36Pa.	2.67Pa.	2.95%
At E21....	85.58Pa.	108.13Pa.	-24.63Pa.	2.08Pa.	2.43%
At E22....	84.80Pa.	108.39Pa.	-23.36Pa.	-.22Pa.	-.26%
At E23....	90.70Pa.	108.50Pa.	-20.61Pa.	2.81Pa.	3.10%
At E11....	95.52Pa.	108.38Pa.	-25.89Pa.	3.02Pa.	3.54%
At E12....	77.43Pa.	108.29Pa.	-33.59Pa.	2.73Pa.	3.53%
At E13....	74.16Pa.	108.24Pa.	-30.34Pa.	-3.74Pa.	-5.05%
At S31....	101.47Pa.	108.26Pa.	-11.00Pa.	4.21Pa.	4.15%
At S32....	103.74Pa.	108.37Pa.	-11.83Pa.	7.20Pa.	6.94%
At S33....	100.85Pa.	108.32Pa.	-12.41Pa.	4.93Pa.	4.89%
At S21....	106.86Pa.	108.60Pa.	-4.35Pa.	2.61Pa.	2.45%
At S22....	110.26Pa.	108.24Pa.	-2.22Pa.	4.23Pa.	3.84%
At S23....	106.06Pa.	107.99Pa.	-6.38Pa.	4.35Pa.	4.66%
At S11....	112.28Pa.	108.11Pa.	-.19Pa.	3.98Pa.	3.55%
At S12....	114.35Pa.	108.67Pa.	1.51Pa.	4.16Pa.	3.64%
At S13....	110.24Pa.	108.38Pa.	-1.02Pa.	2.88Pa.	2.61%
At W31....	89.53Pa.	108.23Pa.	-21.59Pa.	2.89Pa.	3.23%
At W32....	85.08Pa.	108.46Pa.	-27.49Pa.	4.11Pa.	4.83%
At W33....	88.72Pa.	108.11Pa.	-24.02Pa.	4.63Pa.	5.22%
At W21....	87.69Pa.	108.37Pa.	-21.95Pa.	1.27Pa.	1.45%
At W22....	83.63Pa.	108.33Pa.	-27.54Pa.	2.84Pa.	3.40%
At W23....	86.52Pa.	108.33Pa.	-25.15Pa.	3.35Pa.	3.87%
At W11....	81.48Pa.	108.31Pa.	-25.11Pa.	-1.72Pa.	-2.11%
At W12....	74.95Pa.	108.13Pa.	-27.55Pa.	-5.63Pa.	-7.51%
At W13....	85.92Pa.	107.65Pa.	-25.34Pa.	3.61Pa.	4.20%

Average internal pressure for V & W effect: -151.80 Pa.
 Average internal pressure for Wind effect: -41.28 Pa.
 Average internal pressure for Vent effect: -109.99 Pa.

Temperature inside is: 21.60 Degree C.
 Temperature outside is: 21.96 Degree C.

Wind velocity if necessary is: 9.99 m/s.

Ventilation rate if necessary is: 180.00 cfm.

Wind angle is: 0 Degree.

Type of flow is: UNIFORM / FIXED Q

Location of opening: ALL OPEN / 10 SECONDS

End of comparison.

Value of pressure differences (Po-Pi) and % differences:

(Percentage is evaluated as $dP(dDiff)/dP(wind \& vent)$)

	<u>dP(W & V)(Pa)</u>	<u>dP(Vent)(Pa)</u>	<u>dP(Wind)(Pa)</u>	<u>dP(Diff)(Pa)</u>	<u>% Diff</u>
At N31....	183.14Pa.	108.54Pa.	68.42Pa.	6.19Pa.	3.38%
At N32....	172.62Pa.	108.46Pa.	59.30Pa.	4.86Pa.	2.82%
At N33....	158.06Pa.	108.21Pa.	40.41Pa.	9.44Pa.	5.97%
At N21....	191.47Pa.	108.66Pa.	71.97Pa.	10.85Pa.	5.66%
At N22....	179.68Pa.	108.18Pa.	64.25Pa.	7.24Pa.	4.03%
At N23....	162.62Pa.	108.38Pa.	46.27Pa.	3.17Pa.	5.02%
At N11....	185.19Pa.	108.09Pa.	70.20Pa.	6.90Pa.	3.73%
At N12....	174.80Pa.	108.51Pa.	59.88Pa.	6.41Pa.	3.67%
At N13....	164.87Pa.	108.37Pa.	44.75Pa.	11.76Pa.	7.13%
At E31....	127.66Pa.	108.12Pa.	7.89Pa.	11.65Pa.	9.13%
At E32....	139.58Pa.	108.57Pa.	18.86Pa.	12.14Pa.	8.70%
At E33....	150.20Pa.	108.37Pa.	13.49Pa.	28.34Pa.	18.87%
At E21....	132.44Pa.	108.13Pa.	13.37Pa.	10.94Pa.	8.26%
At E22....	144.10Pa.	108.39Pa.	22.68Pa.	13.03Pa.	9.04%
At E23....	158.22Pa.	108.50Pa.	36.48Pa.	13.24Pa.	8.37%
At E11....	138.36Pa.	108.33Pa.	18.23Pa.	11.72Pa.	8.47%
At E12....	148.77Pa.	108.29Pa.	30.95Pa.	9.63Pa.	6.47%
At E13....	156.97Pa.	108.24Pa.	38.14Pa.	10.59Pa.	6.75%
At S31....	82.13Pa.	108.26Pa.	-34.30Pa.	8.17Pa.	9.95%
At S32....	85.78Pa.	108.37Pa.	-31.14Pa.	8.55Pa.	9.97%
At S33....	97.97Pa.	108.32Pa.	-30.23Pa.	9.89Pa.	11.24%
At S21....	86.05Pa.	108.60Pa.	-31.53Pa.	8.98Pa.	10.44%
At S22....	87.87Pa.	108.24Pa.	-30.00Pa.	9.63Pa.	10.95%
At S23....	89.43Pa.	107.99Pa.	-29.05Pa.	10.49Pa.	11.73%
At S11....	96.67Pa.	108.11Pa.	-21.60Pa.	10.15Pa.	10.51%
At S12....	95.56Pa.	108.67Pa.	-22.32Pa.	9.21Pa.	9.64%
At S13....	96.70Pa.	108.38Pa.	-20.56Pa.	8.88Pa.	9.18%
At W31....	80.48Pa.	108.23Pa.	-36.53Pa.	8.77Pa.	10.90%
At W32....	79.81Pa.	108.46Pa.	-38.24Pa.	9.60Pa.	12.03%
At W33....	77.88Pa.	108.11Pa.	-40.14Pa.	9.92Pa.	12.73%
At W21....	84.48Pa.	108.37Pa.	-32.64Pa.	8.75Pa.	10.36%
At W22....	81.19Pa.	108.33Pa.	-34.95Pa.	7.82Pa.	9.63%
At W23....	78.51Pa.	108.33Pa.	-40.56Pa.	10.74Pa.	13.68%
At W11....	92.02Pa.	108.31Pa.	-26.25Pa.	9.97Pa.	10.83%
At W12....	87.93Pa.	108.13Pa.	-28.87Pa.	8.67Pa.	9.96%
At W13....	83.15Pa.	107.65Pa.	-33.53Pa.	9.03Pa.	10.86%

Average internal pressure for V t W effect: -138.69 Pa.

Average internal pressure for Wind effect : -20.68 Pa.

Average internal pressure for Vent effect : -109.99 Pa.

Temperature inside is: 21.35 Degree C.

Temperature outside is: 21.83 Degree C.

Wind velocity if necessary is: 9.97 m/s.

Ventilation rate if necessary is: 180.00 cfm.

Wind angle is: 30 Degree.

Type of flow is: UNIFORM / FIXED Q

Location of opening: ALL OPEN / 10 SECONDS

End of comparison.

Value of pressure differences (Po-Pi) and % differences:

(Percentage is evaluated as $dP(dDiff)/dP(wind \& vent)$)

	<u>dP(W & V)(Pa)</u>	<u>dP(Vent)(Pa)</u>	<u>dP(Wind)(Pa)</u>	<u>dP(Diff)(Pa)</u>	<u>% Diff</u>
At N31....	164.95Pa.	108.54Pa.	48.98Pa.	7.44Pa.	4.51%
At N32....	156.05Pa.	108.46Pa.	39.14Pa.	8.46Pa.	5.42%
At N33....	141.03Pa.	108.21Pa.	18.23Pa.	14.59Pa.	10.34%
At N21....	171.39Pa.	108.66Pa.	53.49Pa.	9.24Pa.	5.39%
At N22....	163.77Pa.	108.18Pa.	43.99Pa.	11.60Pa.	7.08%
At N23....	142.81Pa.	108.38Pa.	24.12Pa.	10.32Pa.	7.22%
At N11....	175.42Pa.	108.09Pa.	49.91Pa.	17.42Pa.	9.93%
At N12....	159.83Pa.	108.51Pa.	40.49Pa.	10.83Pa.	6.78%
At N13....	147.43Pa.	108.37Pa.	26.33Pa.	12.73Pa.	8.64%
At E31....	147.55Pa.	106.12Pa.	23.21Pa.	16.23Pa.	11.00%
At E32....	162.93Pa.	108.57Pa.	35.58Pa.	18.79Pa.	11.53%
At E33....	174.00Pa.	108.37Pa.	48.40Pa.	17.23Pa.	9.90%
At E21....	154.09Pa.	108.13Pa.	29.34Pa.	16.62Pa.	10.79%
At E22....	171.51Pa.	108.39Pa.	43.64Pa.	19.48Pa.	11.36%
At E23....	183.26Pa.	108.50Pa.	59.26Pa.	15.49Pa.	8.46%
At E11....	159.35Pa.	108.38Pa.	36.58Pa.	14.39Pa.	9.03%
At E12....	176.47Pa.	108.29Pa.	53.24Pa.	14.94Pa.	8.46%
At E13....	195.68Pa.	108.24Pa.	64.62Pa.	12.81Pa.	6.90%
At S31....	76.49Pa.	108.26Pa.	-41.49Pa.	9.72Pa.	12.70%
At S32....	79.44Pa.	108.37Pa.	-37.83Pa.	8.90Pa.	11.20%
At S33....	81.49Pa.	108.32Pa.	-36.04Pa.	9.21Pa.	11.30%
At S21....	78.53Pa.	108.60Pa.	-39.75Pa.	9.68Pa.	12.32%
At S22....	81.12Pa.	108.24Pa.	-37.02Pa.	9.90Pa.	12.21%
At S23....	64.00Pa.	107.39Pa.	-34.15Pa.	10.17Pa.	12.10%
At S11....	87.27Pa.	108.11Pa.	-31.04Pa.	10.20Pa.	11.69%
At S12....	88.34Pa.	108.67Pa.	-29.73Pa.	9.39Pa.	10.63%
At S13....	92.02Pa.	108.38Pa.	-26.77Pa.	10.41Pa.	11.31%
At W31....	81.61Pa.	108.23Pa.	-37.19Pa.	10.57Pa.	12.96%
At W32....	78.36Pa.	108.46Pa.	-40.00Pa.	9.91Pa.	12.64%
At W33....	74.96Pa.	108.11Pa.	-42.77Pa.	9.62Pa.	12.83%
At W21....	82.99Pa.	108.37Pa.	-35.39Pa.	10.02Pa.	12.07%
At W22....	81.49Pa.	108.33Pa.	-36.12Pa.	11.28Pa.	13.85%
At W23....	77.10Pa.	108.33Pa.	-39.67Pa.	8.64Pa.	11.21%
At W11....	92.25Pa.	108.31Pa.	-26.28Pa.	10.22Pa.	11.08%
At W12....	87.69Pa.	109.13Pa.	-30.47Pa.	10.23Pa.	11.64%
At W13....	88.03Pa.	107.65Pa.	-31.62Pa.	12.00Pa.	13.63%

Average internal pressure for V & W effect: -138.54 Pa.
 Average internal pressure for Wind effect : -18.57 Pa.
 Average internal pressure for Vent effect : -109.99 Pa.

Temperature inside is: 21.61 Degree C.
 Temperature outside is: 21.93 Degree C.

Wind velocity if necessary is: 10.05 m/s.

Ventilation rate if necessary is: 180.00 cfm.

Wind angle is: 45 Degree.

Type of flow is: UNIFORM / FIXED Q

Location of opening: ALL OPEN / 10 SECONDS

End of comparison.

Value of pressure differences (Po-Pi) and % differences:

(Percentage is evaluated as $dP(dDiff)/dP(wind \& vent)$)

	<u>dP(W & V)(Pa)</u>	<u>dP(Vent)(Pa)</u>	<u>dP(Wind)(Pa)</u>	<u>dP(Diff)(Pa)</u>	<u>% Diff</u>
At N31....	139.83Pa.	108.54Pa.	28.47Pa.	2.83Pa.	2.03%
At N32....	134.83Pa.	108.46Pa.	20.13Pa.	6.24Pa.	4.63%
At N33....	121.57Pa.	108.21Pa.	.70Pa.	12.67Pa.	10.42%
At N21....	156.67Pa.	108.66Pa.	29.22Pa.	-1.21Pa.	-1.88%
At N22....	143.53Pa.	108.18Pa.	26.21Pa.	9.14Pa.	6.37%
At N23....	124.73Pa.	108.38Pa.	7.72Pa.	3.64Pa.	6.92%
At N11....	133.90Pa.	108.09Pa.	9.03Pa.	16.79Pa.	12.54%
At N12....	143.19Pa.	108.51Pa.	25.90Pa.	8.79Pa.	6.13%
At N13....	129.72Pa.	108.37Pa.	13.57Pa.	7.78Pa.	6.00%
At E31....	167.49Pa.	108.12Pa.	45.39Pa.	13.98Pa.	9.35%
At E32....	178.86Pa.	108.57Pa.	59.67Pa.	10.61Pa.	5.93%
At E33....	191.59Pa.	108.37Pa.	71.73Pa.	11.48Pa.	5.99%
At E21....	174.49Pa.	108.13Pa.	53.88Pa.	12.48Pa.	7.15%
At E22....	189.38Pa.	108.39Pa.	68.35Pa.	12.64Pa.	6.68%
At E23....	198.61Pa.	108.50Pa.	79.73Pa.	10.38Pa.	5.23%
At E11....	178.48Pa.	108.38Pa.	58.56Pa.	11.55Pa.	6.47%
At E12....	191.74Pa.	108.29Pa.	73.56Pa.	9.89Pa.	5.16%
At E13....	199.67Pa.	108.24Pa.	81.75Pa.	9.68Pa.	4.85%
At S31....	77.39Pa.	108.26Pa.	-40.93Pa.	10.06Pa.	13.00%
At S32....	79.36Pa.	108.37Pa.	-38.39Pa.	9.38Pa.	11.82%
At S33....	80.88Pa.	108.32Pa.	-37.51Pa.	10.07Pa.	12.45%
At S21....	78.91Pa.	108.60Pa.	-40.19Pa.	10.49Pa.	13.30%
At S22....	82.67Pa.	108.24Pa.	-35.80Pa.	10.23Pa.	12.37%
At S23....	85.02Pa.	107.99Pa.	-34.05Pa.	11.09Pa.	13.04%
At S11....	85.31Pa.	108.11Pa.	-32.62Pa.	9.82Pa.	11.51%
At S12....	89.02Pa.	108.67Pa.	-29.59Pa.	9.93Pa.	11.16%
At S13....	92.30Pa.	108.38Pa.	-26.02Pa.	9.95Pa.	10.78%
At W31....	86.82Pa.	108.23Pa.	-32.07Pa.	10.67Pa.	12.29%
At W32....	83.70Pa.	108.46Pa.	-34.09Pa.	9.33Pa.	11.15%
At W33....	79.99Pa.	108.11Pa.	-38.29Pa.	10.16Pa.	12.71%
At W21....	86.95Pa.	108.37Pa.	-31.05Pa.	9.63Pa.	11.07%
At W22....	85.69Pa.	108.33Pa.	-32.29Pa.	9.65Pa.	11.26%
At W23....	83.76Pa.	108.33Pa.	-34.35Pa.	9.78Pa.	11.68%
At W11....	95.34Pa.	108.31Pa.	-22.35Pa.	9.38Pa.	9.84%
At W12....	94.28Pa.	108.13Pa.	-23.74Pa.	9.90Pa.	10.50%
At W13....	94.94Pa.	107.65Pa.	-23.31Pa.	10.60Pa.	11.17%

Average internal pressure for V & W effect: -139.24 Pa.
 Average internal pressure for Wind effect: -21.63 Pa.
 Average internal pressure for Vent effect: -109.99 Pa.

Temperature inside is: 21.11 Degree C.
 Temperature outside is: 21.44 Degree C.

Wind velocity if necessary is: 10.08 m/s.

Ventilation rate if necessary is: 180.00 cfh.

Wind angle is: 60 Degree.

Type of flow is: UNIFORM / FIXED Q

Location of opening: ALL OPEN / 10 SECONDS

End of comparison.

Value of pressure differences (Po-Pi) and % differences:

(Percentage is evaluated as: $dP(dDiff)/dP(wind + vent)$)

	dP(W & V) (Pa)	dP(Vent) (Pa)	dP(Wind) (Pa)	dP(Diff) (Pa)	% Diff
At N31....	127.22Pa.	33.02Pa.	85.86Pa.	8.54Pa.	6.71%
At N32....	131.63Pa.	32.97Pa.	92.65Pa.	6.01Pa.	4.57%
At N33....	125.62Pa.	33.24Pa.	87.12Pa.	5.27Pa.	4.20%
At N21....	134.87Pa.	33.00Pa.	91.96Pa.	9.92Pa.	7.35%
At N22....	139.56Pa.	33.26Pa.	99.89Pa.	6.41Pa.	4.59%
At N23....	130.74Pa.	33.03Pa.	92.80Pa.	4.91Pa.	3.76%
At N11....	140.60Pa.	32.85Pa.	97.08Pa.	10.68Pa.	7.59%
At N12....	137.62Pa.	33.11Pa.	99.06Pa.	5.45Pa.	3.96%
At N13....	121.40Pa.	32.98Pa.	90.69Pa.	-2.27Pa.	-1.87%
At E31....	14.12Pa.	33.15Pa.	-22.01Pa.	2.98Pa.	21.09%
At E32....	15.35Pa.	33.08Pa.	-20.40Pa.	2.68Pa.	17.43%
At E33....	17.43Pa.	33.53Pa.	-20.36Pa.	4.26Pa.	24.47%
At E21....	13.86Pa.	33.05Pa.	-24.63Pa.	5.43Pa.	39.20%
At E22....	15.30Pa.	32.98Pa.	-23.36Pa.	5.68Pa.	37.14%
At E23....	16.10Pa.	32.87Pa.	-20.61Pa.	3.84Pa.	23.84%
At E11....	10.84Pa.	33.02Pa.	-25.88Pa.	3.70Pa.	34.16%
At E12....	2.83Pa.	33.09Pa.	-33.59Pa.	3.33Pa.	
At E13....	6.16Pa.	32.97Pa.	-30.34Pa.	3.53Pa.	57.23%
At S31....	25.48Pa.	33.02Pa.	-11.00Pa.	3.46Pa.	13.58%
At S32....	30.15Pa.	33.08Pa.	-11.83Pa.	8.90Pa.	29.53%
At S33....	26.94Pa.	32.94Pa.	-12.41Pa.	6.41Pa.	23.78%
At S21....	30.94Pa.	33.22Pa.	-4.35Pa.	1.97Pa.	6.40%
At S22....	33.40Pa.	32.82Pa.	-2.22Pa.	2.80Pa.	8.38%
At S23....	31.70Pa.	33.05Pa.	-6.88Pa.	5.53Pa.	17.45%
At S11....	38.21Pa.	33.02Pa.	.19Pa.	5.00Pa.	13.09%
At S12....	39.48Pa.	32.97Pa.	1.51Pa.	5.00Pa.	12.67%
At S13....	38.33Pa.	32.98Pa.	-1.02Pa.	6.36Pa.	16.60%
At W31....	16.08Pa.	32.84Pa.	-21.59Pa.	4.83Pa.	30.04%
At W32....	14.07Pa.	32.95Pa.	-27.49Pa.	8.61Pa.	61.22%
At W33....	15.46Pa.	32.96Pa.	-24.02Pa.	8.52Pa.	42.19%
At W21....	13.81Pa.	32.69Pa.	-21.95Pa.	3.07Pa.	22.24%
At W22....	9.12Pa.	33.09Pa.	-27.54Pa.	3.57Pa.	39.17%
At W23....	10.43Pa.	32.84Pa.	-25.15Pa.	2.74Pa.	26.25%
At W11....	11.13Pa.	32.96Pa.	-25.11Pa.	3.28Pa.	29.44%
At W12....	4.70Pa.	33.12Pa.	-27.55Pa.	-1.97Pa.	-18.41%
At W13....	13.08Pa.	33.11Pa.	-25.34Pa.	5.31Pa.	40.59%

Average internal pressure for V & W effect: -79.47 Pa.
 Average internal pressure for Wind effect: -41.28 Pa.
 Average internal pressure for Vent effect: -34.69 Pa.

Temperature inside is: 21.33 Degree C.
 Temperature outside is: 21.79 Degree C.

Wind-velocity if necessary is: 10.10 m/s.

Ventilation rate if necessary is: 90.00 cfm.

Wind angle is: 0 Degree.

Type of flow is: UNIFORM / FIXED Q

Location of opening: ALL OPEN / 10 SECONDS

End of comparison.

Value of pressure differences (Po-Pi) and % differences:

(Percentage is evaluated as $dP(dDiff)/dP(wind \& vent)$)

	dP(W & V)(Pa)	dP(Vent)(Pa)	dP(Wind)(Pa)	dP(Diff)(Pa)	% Diff
At N31....	148.23Pa.	54.05Pa.	85.66Pa.	8.51Pa.	5.74%
At N32....	151.71Pa.	53.99Pa.	92.65Pa.	5.07Pa.	3.34%
At N33....	144.49Pa.	54.19Pa.	87.12Pa.	3.18Pa.	2.20%
At N21....	154.41Pa.	53.98Pa.	91.96Pa.	8.47Pa.	5.49%
At N22....	158.53Pa.	54.17Pa.	99.39Pa.	4.46Pa.	2.32%
At N23....	149.60Pa.	53.98Pa.	92.80Pa.	2.82Pa.	1.89%
At N11....	160.64Pa.	53.95Pa.	97.08Pa.	9.61Pa.	5.99%
At N12....	158.12Pa.	54.01Pa.	99.06Pa.	5.05Pa.	3.19%
At N13....	141.94Pa.	53.81Pa.	90.69Pa.	-2.55Pa.	-1.80%
At E31....	33.44Pa.	53.93Pa.	-22.01Pa.	1.51Pa.	4.52%
At E32....	33.20Pa.	53.95Pa.	-20.40Pa.	-.35Pa.	-1.04%
At E33....	38.13Pa.	53.82Pa.	-20.36Pa.	4.67Pa.	12.26%
At E21....	31.56Pa.	53.99Pa.	-24.63Pa.	2.19Pa.	5.93%
At E22....	33.60Pa.	53.89Pa.	-23.36Pa.	3.07Pa.	9.13%
At E23....	35.88Pa.	54.07Pa.	-20.61Pa.	2.42Pa.	6.73%
At E11....	31.15Pa.	54.07Pa.	-25.88Pa.	2.96Pa.	9.51%
At E12....	23.56Pa.	53.92Pa.	-33.53Pa.	0.23Pa.	13.71%
At E13....	23.92Pa.	53.89Pa.	-30.34Pa.	.36Pa.	1.51%
At S31....	46.50Pa.	54.07Pa.	-11.00Pa.	3.44Pa.	7.39%
At S32....	47.01Pa.	53.97Pa.	-11.83Pa.	4.87Pa.	10.36%
At S33....	44.09Pa.	54.02Pa.	-12.41Pa.	2.48Pa.	5.62%
At S21....	51.37Pa.	54.07Pa.	-4.35Pa.	1.66Pa.	3.23%
At S22....	54.44Pa.	54.07Pa.	-2.22Pa.	2.58Pa.	4.74%
At S23....	53.95Pa.	54.21Pa.	-6.33Pa.	6.62Pa.	12.26%
At S11....	57.96Pa.	53.85Pa.	.19Pa.	3.93Pa.	6.78%
At S12....	59.75Pa.	54.08Pa.	1.51Pa.	4.16Pa.	6.96%
At S13....	58.60Pa.	54.32Pa.	-1.02Pa.	5.30Pa.	9.05%
At W31....	32.10Pa.	53.90Pa.	-21.59Pa.	-.20Pa.	-.62%
At W32....	30.69Pa.	53.91Pa.	-27.49Pa.	4.26Pa.	13.90%
At W33....	33.03Pa.	53.98Pa.	-24.02Pa.	3.16Pa.	9.58%
At W21....	33.60Pa.	53.62Pa.	-21.95Pa.	1.94Pa.	5.77%
At W22....	23.55Pa.	53.97Pa.	-27.54Pa.	2.12Pa.	7.42%
At W23....	29.99Pa.	53.99Pa.	-25.15Pa.	1.16Pa.	3.85%
At W11....	29.86Pa.	53.66Pa.	-25.11Pa.	1.31Pa.	4.38%
At W12....	23.94Pa.	54.14Pa.	-27.55Pa.	-2.64Pa.	-11.04%
At W13....	33.05Pa.	54.20Pa.	-25.34Pa.	4.19Pa.	12.66%

Average internal pressure for V & W effect: -99.06 Pa.

Average internal pressure for Wind effect: -41.28 Pa.

Average internal pressure for Vent effect: -55.63 Pa.

Temperature inside is: 21.43 Degree C.

Temperature outside is: 21.91 Degree C.

Wind velocity if necessary is: 10.06 m/s.

Ventilation rate if necessary is: 120.00 cfh.

Wind angle is: 0 Degree.

Type of flow is: UNIFORM / FIXED Q

Location of opening: ALL OPEN / 10 SECONDS

End of comparison.

Value of pressure differences (Po-Pi) and % differences:

(Percentage is evaluated as $dP(dDiff)/dP(wind \& vent)$)

	<u>dP(W & V) (Pa)</u>	<u>dP(Vent) (Pa)</u>	<u>dP(Wind) (Pa)</u>	<u>dP(Diff) (Pa)</u>	<u>% Diff</u>
At N31....	172.18Pa.	80.06Pa.	85.66Pa.	6.46Pa.	3.75%
At N32....	176.54Pa.	80.18Pa.	92.65Pa.	3.70Pa.	2.10%
At N33....	171.37Pa.	80.51Pa.	87.12Pa.	3.73Pa.	2.18%
At N21....	130.05Pa.	90.39Pa.	91.96Pa.	7.70Pa.	4.27%
At N22....	184.82Pa.	30.23Pa.	99.89Pa.	4.69Pa.	2.54%
At N23....	175.23Pa.	80.20Pa.	92.80Pa.	2.23Pa.	1.27%
At N11....	180.66Pa.	79.90Pa.	97.08Pa.	3.59Pa.	2.04%
At N12....	178.96Pa.	80.11Pa.	99.06Pa.	-.20Pa.	-.11%
At N13....	168.29Pa.	80.01Pa.	90.69Pa.	-2.41Pa.	-1.45%
At E31....	61.69Pa.	80.90Pa.	-22.01Pa.	2.80Pa.	4.54%
At E32....	59.69Pa.	80.01Pa.	-20.40Pa.	.08Pa.	.14%
At E33....	63.84Pa.	80.15Pa.	-20.36Pa.	4.05Pa.	6.35%
At E21....	58.32Pa.	80.06Pa.	-24.63Pa.	2.69Pa.	4.96%
At E22....	58.96Pa.	80.14Pa.	-23.36Pa.	2.18Pa.	3.70%
At E23....	62.55Pa.	80.27Pa.	-20.61Pa.	2.89Pa.	4.62%
At E11....	55.91Pa.	80.12Pa.	-25.83Pa.	1.67Pa.	2.98%
At E12....	48.77Pa.	80.28Pa.	-33.59Pa.	2.08Pa.	4.27%
At E13....	48.77Pa.	79.94Pa.	-30.34Pa.	-.83Pa.	-1.71%
At S31....	70.83Pa.	80.13Pa.	-11.00Pa.	1.70Pa.	2.40%
At S32....	73.98Pa.	80.08Pa.	-11.83Pa.	5.73Pa.	7.74%
At S33....	69.72Pa.	80.11Pa.	-12.41Pa.	2.03Pa.	2.90%
At S21....	79.09Pa.	80.14Pa.	-4.35Pa.	3.31Pa.	4.18%
At S22....	80.13Pa.	80.06Pa.	-2.22Pa.	2.29Pa.	2.85%
At S23....	76.83Pa.	79.84Pa.	-6.88Pa.	3.87Pa.	5.04%
At S11....	83.01Pa.	79.92Pa.	.19Pa.	2.91Pa.	3.50%
At S12....	83.90Pa.	80.04Pa.	1.51Pa.	2.35Pa.	2.80%
At S13....	83.86Pa.	79.81Pa.	-1.02Pa.	5.07Pa.	6.05%
At W31....	58.54Pa.	80.39Pa.	-21.59Pa.	-.26Pa.	-.45%
At W32....	57.83Pa.	80.47Pa.	-27.49Pa.	5.16Pa.	8.92%
At W33....	60.78Pa.	79.99Pa.	-24.02Pa.	4.81Pa.	7.91%
At W21....	58.35Pa.	80.09Pa.	-21.35Pa.	.21Pa.	.37%
At W22....	53.95Pa.	80.04Pa.	-27.54Pa.	1.45Pa.	2.69%
At W23....	56.01Pa.	80.09Pa.	-25.15Pa.	1.08Pa.	1.93%
At W11....	52.93Pa.	79.94Pa.	-25.11Pa.	-1.91Pa.	-3.60%
At W12....	43.28Pa.	80.04Pa.	-27.55Pa.	-4.21Pa.	-8.72%
At W13....	58.02Pa.	80.06Pa.	-25.34Pa.	3.29Pa.	5.67%

Average internal pressure for V & W effect: -124.44 Pa.

Average internal pressure for Wind effect : -41.28 Pa.

Average internal pressure for Vent effect : -81.77 Pa.

Temperature inside is: 21.51 Degree C.

Temperature outside is: 21.92 Degree C.

Wind velocity if necessary is: 10.09 m/s.

Ventilation rate if necessary is: 150.00 cfh.

Wind angle is: 0 Degree.

Type of flow is: UNIFORM / FIXED Q

Location of opening: ALL OPEN / 10 SECONDS

End of comparison.

Value of pressure differences (Po-Pi) and % differences:

(Percentage is evaluated as $dP(dDiff)/dP(wind \& vent)$)

	<u>dP(W & V)(Pa)</u>	<u>dP(Vent)(Pa)</u>	<u>dP(Wind)(Pa)</u>	<u>dP(Diff)(Pa)</u>	<u>% Diff</u>
At N31....	137.38Pa.	108.54Pa.	23.21Pa.	5.64Pa.	4.10%
At N32....	138.55Pa.	109.46Pa.	24.63Pa.	5.47Pa.	3.84%
At N33....	136.61Pa.	108.21Pa.	24.40Pa.	4.00Pa.	2.93%
At N21....	138.94Pa.	108.66Pa.	24.48Pa.	5.80Pa.	4.18%
At N22....	140.68Pa.	108.18Pa.	25.94Pa.	6.56Pa.	4.67%
At N23....	137.33Pa.	108.38Pa.	24.50Pa.	4.46Pa.	3.25%
At N11....	140.51Pa.	108.09Pa.	25.66Pa.	6.75Pa.	4.81%
At N12....	139.01Pa.	108.51Pa.	26.21Pa.	4.29Pa.	3.09%
At N13....	136.39Pa.	108.37Pa.	24.20Pa.	3.65Pa.	2.81%
At E31....	105.64Pa.	108.12Pa.	-6.03Pa.	3.55Pa.	3.36%
At E32....	106.15Pa.	108.57Pa.	-6.05Pa.	3.62Pa.	3.41%
At E33....	106.25Pa.	108.37Pa.	-5.71Pa.	3.59Pa.	3.37%
At E21....	105.27Pa.	108.13Pa.	-6.43Pa.	3.57Pa.	3.39%
At E22....	105.12Pa.	108.39Pa.	-6.39Pa.	3.12Pa.	2.97%
At E23....	106.28Pa.	108.50Pa.	-5.98Pa.	3.77Pa.	3.54%
At E11....	104.52Pa.	108.38Pa.	-7.59Pa.	3.74Pa.	3.57%
At E12....	102.57Pa.	108.29Pa.	-3.31Pa.	3.09Pa.	3.01%
At E13....	101.98Pa.	108.24Pa.	-9.32Pa.	3.06Pa.	3.00%
At S31....	108.27Pa.	108.26Pa.	-4.04Pa.	4.05Pa.	3.74%
At S32....	109.14Pa.	108.37Pa.	-4.14Pa.	4.91Pa.	4.50%
At S33....	108.08Pa.	108.32Pa.	-4.52Pa.	4.28Pa.	3.96%
At S21....	110.33Pa.	108.60Pa.	-2.22Pa.	3.94Pa.	3.58%
At S22....	110.78Pa.	108.24Pa.	-2.44Pa.	4.98Pa.	4.50%
At S23....	109.76Pa.	107.99Pa.	-3.32Pa.	5.09Pa.	4.64%
At S11....	112.56Pa.	108.11Pa.	-3.34Pa.	4.79Pa.	4.26%
At S12....	112.37Pa.	108.67Pa.	-4.41Pa.	4.10Pa.	3.65%
At S13....	111.65Pa.	108.38Pa.	-6.69Pa.	3.96Pa.	3.55%
At W31....	106.16Pa.	108.23Pa.	-5.85Pa.	3.78Pa.	3.56%
At W32....	105.63Pa.	108.46Pa.	-6.53Pa.	3.70Pa.	3.51%
At W33....	105.20Pa.	108.11Pa.	-5.62Pa.	2.71Pa.	2.58%
At W21....	105.54Pa.	108.37Pa.	-5.87Pa.	3.05Pa.	2.89%
At W22....	104.72Pa.	108.33Pa.	-6.01Pa.	2.40Pa.	2.29%
At W23....	105.25Pa.	108.33Pa.	-7.09Pa.	4.01Pa.	3.81%
At W11....	104.01Pa.	108.31Pa.	-5.80Pa.	1.50Pa.	1.45%
At W12....	102.87Pa.	108.13Pa.	-6.66Pa.	1.40Pa.	1.36%
At W13....	105.20Pa.	107.65Pa.	-6.04Pa.	3.59Pa.	3.41%

Average internal pressure for V & W effect: -124.79 Pa.

Average internal pressure for Wind effect : -11.94 Pa.

Average internal pressure for Vent effect : -109.99 Pa.

Temperature inside is: 21.21 Degree C.

Temperature outside is: 21.75 Degree C.

Wind velocity if necessary is: 5.02 m/s.

Ventilation rate if necessary is: 180.00 cfm.

Wind angle is: 0 Degree.

Type of flow is: UNIFORM / FIXED Q

Location of opening: ALL OPEN / 10 SECONDS

End of comparison.

Value of pressure differences (Po-Pi) and % differences:

(Percentage is evaluated as $dP(dDiff)/dP(wind \& vent)$)

	$dP(W \& V)(Pa)$	$dP(Vent)(Pa)$	$dP(Wind)(Pa)$	$dP(Diff)(Pa)$	% Diff
At N31....	160.51Pa.	108.54Pa.	46.46Pa.	5.51Pa.	3.44%
At N32....	161.04Pa.	108.46Pa.	51.19Pa.	1.40Pa.	.87%
At N33....	158.36Pa.	108.21Pa.	48.46Pa.	1.69Pa.	1.07%
At N21....	162.64Pa.	108.66Pa.	49.21Pa.	4.77Pa.	2.93%
At N22....	164.91Pa.	108.18Pa.	52.59Pa.	4.13Pa.	2.51%
At N23....	161.02Pa.	108.38Pa.	49.30Pa.	2.84Pa.	1.77%
At N11....	164.38Pa.	108.09Pa.	51.45Pa.	4.84Pa.	2.94%
At N12....	164.53Pa.	108.51Pa.	52.88Pa.	3.14Pa.	1.91%
At N13....	157.60Pa.	108.37Pa.	48.41Pa.	.82Pa.	.52%
At E31....	100.33Pa.	108.12Pa.	-11.77Pa.	3.98Pa.	3.97%
At E32....	99.59Pa.	108.57Pa.	-11.49Pa.	2.60Pa.	2.51%
At E33....	100.24Pa.	108.37Pa.	-10.21Pa.	2.07Pa.	2.06%
At E21....	98.31Pa.	108.13Pa.	-13.93Pa.	4.12Pa.	4.19%
At E22....	98.04Pa.	108.39Pa.	-12.58Pa.	2.24Pa.	2.28%
At E23....	100.85Pa.	108.50Pa.	-11.25Pa.	3.60Pa.	3.57%
At E11....	97.43Pa.	108.38Pa.	-15.23Pa.	4.28Pa.	4.40%
At E12....	92.86Pa.	108.29Pa.	-18.77Pa.	3.35Pa.	3.60%
At E13....	93.14Pa.	108.24Pa.	-17.70Pa.	2.60Pa.	2.79%
At S31....	106.46Pa.	108.26Pa.	-7.31Pa.	5.51Pa.	5.18%
At S32....	106.83Pa.	108.37Pa.	-6.54Pa.	5.00Pa.	4.68%
At S33....	106.51Pa.	108.32Pa.	-9.13Pa.	7.31Pa.	6.87%
At S21....	108.15Pa.	108.60Pa.	-4.94Pa.	4.49Pa.	4.15%
At S22....	111.37Pa.	108.24Pa.	-3.56Pa.	6.69Pa.	6.01%
At S23....	109.32Pa.	107.99Pa.	-3.60Pa.	4.93Pa.	4.51%
At S11....	112.73Pa.	108.11Pa.	.25Pa.	4.37Pa.	3.88%
At S12....	113.03Pa.	108.67Pa.	.26Pa.	4.09Pa.	3.62%
At S13....	111.75Pa.	108.38Pa.	-.41Pa.	3.78Pa.	3.38%
At W31....	98.88Pa.	108.23Pa.	-10.70Pa.	1.34Pa.	1.36%
At W32....	97.81Pa.	108.46Pa.	-12.46Pa.	1.82Pa.	1.86%
At W33....	98.29Pa.	108.11Pa.	-11.75Pa.	1.93Pa.	1.96%
At W21....	99.35Pa.	108.37Pa.	-10.39Pa.	1.37Pa.	1.38%
At W22....	96.26Pa.	108.33Pa.	-12.39Pa.	.33Pa.	.34%
At W23....	97.90Pa.	108.33Pa.	-13.44Pa.	3.02Pa.	3.08%
At W11....	97.98Pa.	108.31Pa.	-11.33Pa.	1.02Pa.	1.04%
At W12....	96.29Pa.	108.13Pa.	-12.43Pa.	.59Pa.	.62%
At W13....	98.27Pa.	107.65Pa.	-12.07Pa.	2.69Pa.	2.74%

Average internal pressure for V & W effect: -134.25 Pa.

Average internal pressure for Wind effect: -22.71 Pa.

Average internal pressure for Vent effect: -109.99 Pa.

Temperature inside is: 21.58 Degree C.

Temperature outside is: 22.02 Degree C.

Wind velocity if necessary is: 7.25 m/s.

Ventilation rate if necessary is: 180.00 cfh.

Wind angle is: 0 Degree.

Type of flow is: UNIFORM / FIXED Q

Location of opening: ALL OPEN / 10 SECONDS

End of comparison.

Value of pressure differences (Po-Pi) and % differences:

(Percentage is evaluated as $dP(dDiff)/dP(wind \& vent)$)

	dP(W & V) (Pa)	dP(Vent) (Pa)	dP(Wind) (Pa)	dP(Diff) (Pa)	% Diff
At N31....	179.73Pa.	108.21Pa.	61.26Pa.	10.26Pa.	5.71%
At N32....	179.77Pa.	108.06Pa.	65.91Pa.	5.79Pa.	3.22%
At N33....	172.15Pa.	108.23Pa.	62.61Pa.	1.32Pa.	.76%
At N21....	169.70Pa.	108.29Pa.	50.72Pa.	10.69Pa.	6.30%
At N22....	175.62Pa.	108.20Pa.	55.18Pa.	12.24Pa.	6.97%
At N23....	164.66Pa.	108.15Pa.	49.95Pa.	6.56Pa.	3.99%
At N11....	170.43Pa.	108.24Pa.	43.52Pa.	18.66Pa.	10.95%
At N12....	163.58Pa.	108.18Pa.	45.75Pa.	9.65Pa.	5.90%
At N13....	157.76Pa.	108.23Pa.	40.58Pa.	8.95Pa.	5.67%
At E31....	100.51Pa.	108.21Pa.	-17.61Pa.	9.90Pa.	9.85%
At E32....	87.64Pa.	108.12Pa.	-30.56Pa.	10.08Pa.	11.50%
At E33....	85.52Pa.	108.18Pa.	-28.16Pa.	5.50Pa.	6.43%
At E21....	102.15Pa.	108.08Pa.	-15.39Pa.	9.46Pa.	9.26%
At E22....	91.02Pa.	108.11Pa.	-28.17Pa.	11.09Pa.	12.18%
At E23....	88.93Pa.	108.27Pa.	-25.85Pa.	6.50Pa.	7.31%
At E11....	112.07Pa.	108.36Pa.	-6.62Pa.	10.53Pa.	9.22%
At E12....	94.96Pa.	108.09Pa.	-25.99Pa.	12.86Pa.	13.54%
At E13....	82.42Pa.	108.30Pa.	-32.36Pa.	6.47Pa.	7.85%
At S31....	117.65Pa.	108.16Pa.	-.32Pa.	9.80Pa.	8.33%
At S32....	118.24Pa.	108.16Pa.	-.89Pa.	9.19Pa.	7.78%
At S33....	116.92Pa.	108.30Pa.	-.13Pa.	8.81Pa.	7.53%
At S21....	118.79Pa.	108.29Pa.	1.63Pa.	8.82Pa.	7.42%
At S22....	119.96Pa.	108.15Pa.	2.13Pa.	9.58Pa.	7.99%
At S23....	119.54Pa.	108.21Pa.	1.80Pa.	9.52Pa.	7.97%
At S11....	119.01Pa.	108.12Pa.	2.36Pa.	8.53Pa.	7.16%
At S12....	120.73Pa.	108.31Pa.	2.35Pa.	10.07Pa.	8.34%
At S13....	119.88Pa.	108.26Pa.	2.35Pa.	9.28Pa.	7.74%
At W31....	87.37Pa.	108.31Pa.	-27.84Pa.	6.90Pa.	7.90%
At W32....	89.72Pa.	108.25Pa.	-26.99Pa.	8.46Pa.	9.42%
At W33....	99.74Pa.	107.98Pa.	-13.64Pa.	5.40Pa.	5.42%
At W21....	92.67Pa.	108.05Pa.	-23.85Pa.	8.47Pa.	9.14%
At W22....	91.02Pa.	107.95Pa.	-25.15Pa.	8.21Pa.	9.02%
At W23....	101.51Pa.	108.24Pa.	-15.54Pa.	8.82Pa.	8.69%
At W11....	86.19Pa.	108.14Pa.	-26.56Pa.	4.61Pa.	5.35%
At W12....	91.96Pa.	108.25Pa.	-25.55Pa.	9.26Pa.	10.07%
At W13....	109.00Pa.	108.26Pa.	-11.95Pa.	12.70Pa.	11.65%

Average internal pressure for V & W effect: -140.92 Pa.
 Average internal pressure for Wind effect: -24.26 Pa.
 Average internal pressure for Vent effect: -109.90 Pa.

Temperature inside is: 21.27 Degree C.
 Temperature outside is: 21.91 Degree C.

Wind velocity if necessary is: 10.03 m/s.

Ventilation rate if necessary is: 180.00 cfh.

Wind angle is: 0 Degree.

Type of flow is: SHEAR / FIXED Q

Location of opening: ALL OPEN / 10 SECONDS

End of comparison.

Value of pressure differences (Po-Pi) and % differences:

(Percentage is evaluated as $dP(dDiff)/dP(wind \& vent)$)

	<u>dP(W & V) (Pa)</u>	<u>dP(Vent) (Pa)</u>	<u>dP(Wind) (Pa)</u>	<u>dP(Diff) (Pa)</u>	<u>% Diff</u>
At N31....	160.94Pa.	108.21Pa.	47.37Pa.	5.36Pa.	3.33%
At N32....	154.71Pa.	108.06Pa.	39.70Pa.	6.95Pa.	4.49%
At N33....	142.74Pa.	108.23Pa.	24.15Pa.	10.36Pa.	7.26%
At N21....	155.62Pa.	108.29Pa.	40.74Pa.	6.66Pa.	4.24%
At N22....	151.09Pa.	108.20Pa.	36.25Pa.	6.63Pa.	4.39%
At N23....	141.01Pa.	108.15Pa.	24.71Pa.	8.15Pa.	5.78%
At N11....	156.28Pa.	108.24Pa.	32.07Pa.	15.96Pa.	10.22%
At N12....	145.77Pa.	108.18Pa.	29.03Pa.	8.56Pa.	5.87%
At N13....	137.03Pa.	108.23Pa.	21.26Pa.	7.54Pa.	5.50%
At E31....	127.45Pa.	108.21Pa.	9.18Pa.	10.05Pa.	7.89%
At E32....	134.58Pa.	108.12Pa.	16.85Pa.	9.60Pa.	7.14%
At E33....	142.81Pa.	108.18Pa.	24.46Pa.	10.17Pa.	7.12%
At E21....	129.36Pa.	108.08Pa.	9.42Pa.	11.86Pa.	9.17%
At E22....	135.00Pa.	108.11Pa.	16.53Pa.	10.37Pa.	7.68%
At E23....	140.44Pa.	108.27Pa.	22.31Pa.	9.86Pa.	7.02%
At E11....	128.32Pa.	108.36Pa.	10.65Pa.	9.32Pa.	7.26%
At E12....	136.81Pa.	108.09Pa.	17.15Pa.	11.57Pa.	8.46%
At E13....	137.81Pa.	108.30Pa.	20.36Pa.	9.15Pa.	6.64%
At S31....	96.31Pa.	108.16Pa.	-21.29Pa.	9.44Pa.	9.80%
At S32....	98.68Pa.	108.16Pa.	-19.65Pa.	10.17Pa.	10.31%
At S33....	98.07Pa.	108.30Pa.	-19.07Pa.	8.94Pa.	9.01%
At S21....	97.89Pa.	108.29Pa.	-19.11Pa.	8.71Pa.	8.90%
At S22....	98.39Pa.	108.15Pa.	-18.48Pa.	8.72Pa.	8.86%
At S23....	100.18Pa.	108.21Pa.	-17.30Pa.	9.27Pa.	9.25%
At S11....	103.02Pa.	108.12Pa.	-15.10Pa.	10.01Pa.	9.71%
At S12....	101.63Pa.	108.31Pa.	-15.72Pa.	9.04Pa.	8.89%
At S13....	103.19Pa.	108.26Pa.	-14.64Pa.	9.56Pa.	9.27%
At W31....	92.24Pa.	108.31Pa.	-25.91Pa.	9.85Pa.	10.67%
At W32....	92.21Pa.	108.25Pa.	-26.43Pa.	10.40Pa.	11.27%
At W33....	88.50Pa.	107.98Pa.	-28.17Pa.	8.70Pa.	9.83%
At W21....	95.01Pa.	108.05Pa.	-23.56Pa.	10.52Pa.	11.07%
At W22....	92.90Pa.	107.95Pa.	-25.41Pa.	10.36Pa.	11.15%
At W23....	89.71Pa.	108.24Pa.	-28.13Pa.	9.61Pa.	10.72%
At W11....	97.64Pa.	108.14Pa.	-21.29Pa.	10.79Pa.	11.05%
At W12....	94.92Pa.	108.25Pa.	-22.89Pa.	9.46Pa.	9.97%
At W13....	91.61Pa.	108.26Pa.	-25.90Pa.	9.26Pa.	10.10%

Average internal pressure for V & W effect: -130.67 Pa.

Average internal pressure for Wind effect: -13.96 Pa.

Average internal pressure for Vent effect: -109.80 Pa.

Temperature inside is: 21.31 Degree C.

Temperature outside is: 21.75 Degree C.

Wind velocity if necessary is: 10.09 m/s.

Ventilation rate if necessary is: 180.00 cfm.

Wind angle is: 30 Degree.

Type of flow is: SHEAR / FIXED Q

Location of opening: ALL OPEN / 10 SECONDS

End of comparison.

Value of pressure differences (Po-Pi) and % differences:

(Percentage is evaluated as $dP(dDiff)/dP(wind \& vent)$)

	<u>dP(W & V) (Pa)</u>	<u>dP(Vent) (Pa)</u>	<u>dP(Wind) (Pa)</u>	<u>dP(Diff) (Pa)</u>	<u>% Diff</u>
At N31....	148.80Pa.	108.21Pa.	31.33Pa.	9.26Pa.	6.22%
At N32....	142.81Pa.	108.06Pa.	25.05Pa.	9.70Pa.	6.79%
At N33....	129.80Pa.	108.23Pa.	10.82Pa.	10.75Pa.	8.28%
At N21....	144.92Pa.	108.29Pa.	29.57Pa.	7.05Pa.	4.87%
At N22....	140.90Pa.	108.20Pa.	23.70Pa.	9.00Pa.	6.33%
At N23....	127.61Pa.	108.15Pa.	13.42Pa.	6.04Pa.	4.73%
At N11....	149.03Pa.	108.24Pa.	25.08Pa.	15.71Pa.	10.54%
At N12....	135.90Pa.	108.13Pa.	20.59Pa.	7.13Pa.	5.25%
At N13....	128.68Pa.	108.23Pa.	13.37Pa.	7.08Pa.	5.50%
At E31....	140.63Pa.	108.21Pa.	24.36Pa.	8.09Pa.	5.75%
At E32....	150.97Pa.	108.12Pa.	33.52Pa.	9.33Pa.	6.18%
At E33....	162.54Pa.	108.18Pa.	43.68Pa.	10.68Pa.	6.57%
At E21....	139.64Pa.	108.08Pa.	21.86Pa.	9.70Pa.	6.95%
At E22....	147.48Pa.	108.11Pa.	31.62Pa.	7.75Pa.	5.26%
At E23....	157.87Pa.	108.27Pa.	40.25Pa.	9.35Pa.	5.92%
At E11....	136.39Pa.	108.36Pa.	20.58Pa.	7.44Pa.	5.46%
At E12....	144.91Pa.	108.09Pa.	28.54Pa.	8.29Pa.	5.72%
At E13....	150.19Pa.	108.30Pa.	32.69Pa.	9.19Pa.	6.12%
At S31....	89.31Pa.	108.16Pa.	-26.17Pa.	7.32Pa.	8.19%
At S32....	89.07Pa.	108.16Pa.	-24.85Pa.	5.77Pa.	6.47%
At S33....	91.51Pa.	108.30Pa.	-24.02Pa.	7.22Pa.	7.89%
At S21....	92.12Pa.	108.29Pa.	-24.10Pa.	7.93Pa.	8.60%
At S22....	92.57Pa.	108.15Pa.	-23.31Pa.	7.73Pa.	8.35%
At S23....	94.82Pa.	108.21Pa.	-21.75Pa.	8.36Pa.	8.81%
At S11....	93.21Pa.	108.12Pa.	-20.31Pa.	5.40Pa.	5.79%
At S12....	94.44Pa.	108.31Pa.	-20.55Pa.	6.68Pa.	7.07%
At S13....	97.96Pa.	108.26Pa.	-17.33Pa.	7.04Pa.	7.18%
At W31....	91.39Pa.	108.31Pa.	-23.67Pa.	6.75Pa.	7.38%
At W32....	88.69Pa.	108.25Pa.	-24.86Pa.	5.31Pa.	5.99%
At W33....	87.52Pa.	107.98Pa.	-27.06Pa.	6.60Pa.	7.54%
At W21....	92.86Pa.	108.05Pa.	-22.26Pa.	7.06Pa.	7.60%
At W22....	90.92Pa.	107.95Pa.	-24.38Pa.	7.35Pa.	8.08%
At W23....	89.56Pa.	108.24Pa.	-26.24Pa.	7.56Pa.	8.45%
At W11....	98.15Pa.	108.14Pa.	-17.60Pa.	7.61Pa.	7.75%
At W12....	95.26Pa.	108.25Pa.	-19.78Pa.	6.79Pa.	7.13%
At W13....	94.94Pa.	108.26Pa.	-20.92Pa.	7.61Pa.	8.01%

Average internal pressure for V & W effect: -128.71 Pa.
 Average internal pressure for Wind effect : -13.72 Pa.
 Average internal pressure for Vent effect : -109.80 Pa.

Temperature inside is: 20.29 Degree C.
 Temperature outside is: 21.24 Degree C.

Wind velocity if necessary is: 10.00 m/s.

Ventilation rate if necessary is: 180.00 cfm.

Wind angle is: 45 Degree.

Type of flow is: SHEAR / FIXED Q

Location of opening: ALL OPEN / 10 SECONDS

End of comparison.

Value of pressure differences (Po-Pi) and % differences:

(Percentage is evaluated as $dP(dDiff)/dP(wind \& vent)$)

	<u>dP(W & V) (Pa)</u>	<u>dP(Vent) (Pa)</u>	<u>dP(Wind) (Pa)</u>	<u>dP(Diff) (Pa)</u>	<u>% Diff</u>
At N31....	131.47Pa.	108.21Pa.	15.20Pa.	8.07Pa.	6.14%
At N32....	128.10Pa.	108.06Pa.	13.00Pa.	7.04Pa.	5.49%
At N33....	119.00Pa.	108.23Pa.	1.44Pa.	9.33Pa.	7.84%
At N21....	123.91Pa.	108.29Pa.	11.32Pa.	4.29Pa.	3.46%
At N22....	129.18Pa.	108.20Pa.	13.82Pa.	7.16Pa.	5.54%
At N23....	118.85Pa.	108.15Pa.	4.55Pa.	6.15Pa.	5.17%
At N11....	132.09Pa.	108.24Pa.	6.81Pa.	17.04Pa.	12.90%
At N12....	125.96Pa.	108.18Pa.	11.65Pa.	6.15Pa.	4.88%
At N13....	120.69Pa.	108.23Pa.	7.00Pa.	5.46Pa.	4.52%
At E31....	157.15Pa.	108.21Pa.	39.10Pa.	9.34Pa.	6.26%
At E32....	165.02Pa.	108.12Pa.	49.05Pa.	7.85Pa.	4.76%
At E33....	173.34Pa.	108.18Pa.	54.07Pa.	11.09Pa.	6.40%
At E21....	151.20Pa.	108.08Pa.	36.23Pa.	6.89Pa.	4.56%
At E22....	158.49Pa.	108.11Pa.	44.06Pa.	6.32Pa.	3.99%
At E23....	164.34Pa.	108.27Pa.	48.94Pa.	7.13Pa.	4.34%
At E11....	147.14Pa.	108.36Pa.	31.48Pa.	7.30Pa.	4.96%
At E12....	155.35Pa.	108.09Pa.	37.67Pa.	9.59Pa.	6.17%
At E13....	154.90Pa.	108.30Pa.	39.63Pa.	6.97Pa.	4.50%
At S31....	90.11Pa.	108.16Pa.	-29.22Pa.	10.17Pa.	11.28%
At S32....	91.25Pa.	108.16Pa.	-24.97Pa.	8.05Pa.	8.83%
At S33....	92.14Pa.	108.30Pa.	-23.94Pa.	7.78Pa.	8.44%
At S21....	88.32Pa.	108.29Pa.	-26.15Pa.	6.18Pa.	7.00%
At S22....	91.86Pa.	108.15Pa.	-23.67Pa.	7.39Pa.	8.04%
At S23....	95.25Pa.	108.21Pa.	-21.36Pa.	8.40Pa.	8.82%
At S11....	90.97Pa.	108.12Pa.	-25.05Pa.	7.91Pa.	9.69%
At S12....	92.51Pa.	108.31Pa.	-20.71Pa.	4.90Pa.	5.30%
At S13....	95.89Pa.	108.26Pa.	-18.78Pa.	6.41Pa.	6.69%
At W31....	96.95Pa.	108.31Pa.	-18.02Pa.	6.66Pa.	6.87%
At W32....	95.29Pa.	108.25Pa.	-19.35Pa.	6.39Pa.	6.70%
At W33....	93.55Pa.	107.98Pa.	-21.20Pa.	6.77Pa.	7.24%
At W21....	97.83Pa.	108.05Pa.	-16.54Pa.	6.32Pa.	6.46%
At W22....	96.95Pa.	107.95Pa.	-18.34Pa.	7.34Pa.	7.57%
At W23....	96.16Pa.	108.24Pa.	-18.27Pa.	6.20Pa.	6.45%
At W11....	101.28Pa.	108.14Pa.	-13.61Pa.	6.76Pa.	6.67%
At W12....	99.99Pa.	108.25Pa.	-14.67Pa.	6.41Pa.	6.41%
At W13....	101.21Pa.	108.26Pa.	-14.24Pa.	7.19Pa.	7.11%

Average internal pressure for V & W effect: -130.02 Pa.
 Average internal pressure for Wind effect : -15.10 Pa.
 Average internal pressure for Vent effect : -109.30 Pa.

Temperature inside is: 20.67 Degree C.
 Temperature outside is: 21.71 Degree C.

Wind velocity if necessary is: 10.04 m/s.

Ventilation rate if necessary is: 130.00 cfh.

Wind angle is: 60 Degree.

Type of flow is: SHEAR / FIXED G

Location of opening: ALL OPEN / 10 SECONDS

End of comparison.

Value of pressure differences (Po-Pi) and % differences:

(Percentage is evaluated as $dP(dDiff)/dP(wind \& vent)$)

	dP(W & V) (Pa)	dP(Vent) (Pa)	dP(Wind) (Pa)	dP(Diff) (Pa)	% Diff
At N31....	123.09Pa.	54.33Pa.	61.26Pa.	7.50Pa.	6.09%
At N32....	129.68Pa.	54.16Pa.	65.91Pa.	9.61Pa.	7.41%
At N33....	119.69Pa.	54.35Pa.	62.61Pa.	2.73Pa.	2.28%
At N21....	117.87Pa.	54.32Pa.	50.72Pa.	12.84Pa.	10.89%
At N22....	120.87Pa.	54.13Pa.	55.13Pa.	11.57Pa.	9.57%
At N23....	112.09Pa.	53.90Pa.	49.95Pa.	8.24Pa.	7.36%
At N11....	110.89Pa.	54.24Pa.	43.52Pa.	13.12Pa.	11.33%
At N12....	105.61Pa.	54.03Pa.	45.75Pa.	5.83Pa.	5.52%
At N13....	99.52Pa.	54.19Pa.	40.58Pa.	4.75Pa.	4.78%
At E31....	44.62Pa.	53.84Pa.	-17.61Pa.	8.59Pa.	19.16%
At E32....	29.56Pa.	53.98Pa.	-30.56Pa.	6.14Pa.	20.77%
At E33....	28.81Pa.	54.25Pa.	-28.16Pa.	2.72Pa.	9.46%
At E21....	44.07Pa.	54.45Pa.	-15.39Pa.	5.01Pa.	11.36%
At E22....	30.03Pa.	54.03Pa.	-29.17Pa.	4.18Pa.	13.90%
At E23....	30.52Pa.	54.10Pa.	-25.85Pa.	2.27Pa.	7.43%
At E11....	52.83Pa.	54.11Pa.	-6.62Pa.	5.33Pa.	10.09%
At E12....	34.18Pa.	54.17Pa.	-25.99Pa.	6.00Pa.	17.56%
At E13....	25.11Pa.	53.68Pa.	-32.36Pa.	3.79Pa.	15.11%
At S31....	59.89Pa.	54.25Pa.	-1.32Pa.	5.96Pa.	9.95%
At S32....	60.36Pa.	54.05Pa.	.89Pa.	5.42Pa.	8.98%
At S33....	59.10Pa.	54.11Pa.	-1.16Pa.	5.17Pa.	8.75%
At S21....	59.58Pa.	54.04Pa.	1.68Pa.	3.86Pa.	6.47%
At S22....	62.45Pa.	53.94Pa.	2.13Pa.	6.39Pa.	10.22%
At S23....	60.98Pa.	54.20Pa.	1.80Pa.	4.98Pa.	8.16%
At S11....	61.88Pa.	53.97Pa.	2.36Pa.	5.54Pa.	9.95%
At S12....	62.50Pa.	54.05Pa.	2.35Pa.	6.10Pa.	9.76%
At S13....	62.43Pa.	54.05Pa.	2.35Pa.	6.03Pa.	9.67%
At W31....	33.92Pa.	54.50Pa.	-27.84Pa.	7.26Pa.	21.41%
At W32....	32.22Pa.	54.16Pa.	-26.99Pa.	5.05Pa.	15.66%
At W33....	45.88Pa.	53.92Pa.	-13.64Pa.	5.60Pa.	12.21%
At W21....	37.14Pa.	54.08Pa.	-23.85Pa.	6.91Pa.	18.60%
At W22....	36.48Pa.	54.47Pa.	-25.15Pa.	7.16Pa.	19.63%
At W23....	42.66Pa.	54.25Pa.	-15.54Pa.	3.35Pa.	9.25%
At W11....	31.45Pa.	54.12Pa.	-26.56Pa.	3.89Pa.	12.38%
At W12....	34.36Pa.	54.04Pa.	-25.55Pa.	5.87Pa.	17.10%
At W13....	48.27Pa.	53.91Pa.	-11.95Pa.	6.32Pa.	13.08%

Average internal pressure for V & W effect: -82.58 Pa.

Average internal pressure for Wind effect: -24.26 Pa.

Average internal pressure for Vent effect: -55.72 Pa.

Temperature inside is: 21.59 Degree C.

Temperature outside is: 22.36 Degree C.

Wind velocity if necessary is: 10.03 m/s.

Ventilation rate if necessary is: 120.00 cfh.

Wind angle is: 0 Degree.

Type of flow is: SHEAR / FIXED Q

Location of opening: ALL OPEN / 10 SECONDS

End of comparison.

Value of pressure differences (Po-Pi) and % differences:

(Percentage is evaluated as $dP(dDiff)/dP(wind \& vent)$)

	<u>dP(W & V)(Pa)</u>	<u>dP(Vent)(Pa)</u>	<u>dP(Wind)(Pa)</u>	<u>dP(Diff)(Pa)</u>	<u>% Diff</u>
At N31....	145.12Pa.	78.90Pa.	61.26Pa.	4.96Pa.	3.42%
At N32....	144.87Pa.	79.57Pa.	65.91Pa.	-.60Pa.	-.42%
At N33....	139.73Pa.	79.27Pa.	62.61Pa.	-2.14Pa.	-1.53%
At N21....	136.17Pa.	79.35Pa.	50.72Pa.	6.10Pa.	4.48%
At N22....	138.39Pa.	79.08Pa.	55.18Pa.	4.13Pa.	2.98%
At N23....	135.51Pa.	79.50Pa.	49.95Pa.	6.06Pa.	4.47%
At N11....	138.73Pa.	79.52Pa.	43.52Pa.	15.68Pa.	11.30%
At N12....	130.53Pa.	79.52Pa.	45.75Pa.	5.26Pa.	4.03%
At N13....	124.92Pa.	79.32Pa.	40.53Pa.	5.02Pa.	4.02%
At E31....	69.44Pa.	79.22Pa.	-17.61Pa.	7.82Pa.	11.27%
At E32....	54.13Pa.	79.32Pa.	-30.56Pa.	5.38Pa.	9.93%
At E33....	55.78Pa.	79.28Pa.	-28.16Pa.	4.66Pa.	8.36%
At E21....	71.17Pa.	79.22Pa.	-15.39Pa.	7.33Pa.	10.30%
At E22....	57.09Pa.	79.44Pa.	-28.17Pa.	5.32Pa.	10.19%
At E23....	57.05Pa.	79.17Pa.	-25.85Pa.	3.73Pa.	6.53%
At E11....	79.86Pa.	79.30Pa.	-6.62Pa.	7.17Pa.	8.98%
At E12....	62.44Pa.	79.21Pa.	-25.99Pa.	3.21Pa.	14.76%
At E13....	50.69Pa.	79.14Pa.	-32.36Pa.	3.91Pa.	7.71%
At S31....	85.35Pa.	79.13Pa.	-.32Pa.	6.54Pa.	7.66%
At S32....	86.92Pa.	79.23Pa.	.89Pa.	6.80Pa.	7.82%
At S33....	85.84Pa.	79.21Pa.	-.18Pa.	6.81Pa.	7.93%
At S21....	87.71Pa.	79.33Pa.	1.68Pa.	6.71Pa.	7.64%
At S22....	89.35Pa.	79.21Pa.	2.13Pa.	8.02Pa.	8.97%
At S23....	86.24Pa.	79.19Pa.	1.80Pa.	5.25Pa.	6.09%
At S11....	87.44Pa.	79.25Pa.	2.36Pa.	5.82Pa.	6.66%
At S12....	89.25Pa.	79.19Pa.	2.35Pa.	7.71Pa.	8.63%
At S13....	89.23Pa.	79.38Pa.	2.35Pa.	7.50Pa.	8.40%
At W31....	58.63Pa.	79.18Pa.	-27.84Pa.	7.30Pa.	12.44%
At W32....	58.02Pa.	79.43Pa.	-26.99Pa.	5.58Pa.	9.61%
At W33....	71.23Pa.	79.39Pa.	-13.64Pa.	5.53Pa.	7.76%
At W21....	64.98Pa.	79.34Pa.	-23.85Pa.	9.49Pa.	14.61%
At W22....	61.46Pa.	79.46Pa.	-25.15Pa.	7.15Pa.	11.64%
At W23....	70.13Pa.	79.44Pa.	-15.54Pa.	6.23Pa.	8.86%
At W11....	58.68Pa.	79.27Pa.	-26.56Pa.	5.97Pa.	10.18%
At W12....	62.87Pa.	79.50Pa.	-25.55Pa.	8.93Pa.	14.20%
At W13....	75.55Pa.	79.35Pa.	-11.95Pa.	8.16Pa.	10.80%

Average internal pressure for V & W effect: -103.86 Pa.

Average internal pressure for Wind effect: -14.26 Pa.

Average internal pressure for Vent effect: -60.98 Pa.

Temperature inside is: 21.50 Degree C.

Temperature outside is: 22.13 Degree C.

Wind velocity if necessary is: 10.00 m/s.

Ventilation rate if necessary is: 150.00 cfm.

Wind angle is: 0 Degree.

Type of flow is: SHEAR / FIXED Q

Location of opening: ALL OPEN / 10 SECONDS

End of comparison.

Value of pressure differences (P₀-P_i) and % differences:

(Percentage is evaluated as $dP(dDiff)/dP(wind + vent)$)

	dP(W & V) (Pa)	dP(Vent) (Pa)	dP(Wind) (Pa)	dP(Diff) (Pa)	% Diff
At N31....	212.71Pa.	140.91Pa.	61.26Pa.	10.54Pa.	4.96%
At N32....	214.86Pa.	140.96Pa.	65.91Pa.	7.99Pa.	3.72%
At N33....	208.15Pa.	141.22Pa.	62.61Pa.	4.33Pa.	2.08%
At N21....	205.97Pa.	140.95Pa.	50.72Pa.	14.30Pa.	6.94%
At N22....	204.24Pa.	140.93Pa.	55.18Pa.	8.13Pa.	3.98%
At N23....	199.87Pa.	140.93Pa.	49.95Pa.	8.98Pa.	4.49%
At N11....	201.82Pa.	140.98Pa.	43.52Pa.	17.31Pa.	8.58%
At N12....	197.96Pa.	141.30Pa.	45.75Pa.	10.90Pa.	5.51%
At N13....	191.90Pa.	141.15Pa.	40.53Pa.	10.17Pa.	5.30%
At E31....	138.26Pa.	140.78Pa.	-17.61Pa.	15.09Pa.	10.91%
At E32....	121.45Pa.	140.95Pa.	-30.56Pa.	11.06Pa.	9.11%
At E33....	121.55Pa.	140.88Pa.	-29.16Pa.	8.83Pa.	7.26%
At E21....	137.73Pa.	140.81Pa.	-15.39Pa.	12.31Pa.	8.93%
At E22....	124.65Pa.	140.93Pa.	-28.17Pa.	11.88Pa.	9.53%
At E23....	123.05Pa.	140.91Pa.	-25.85Pa.	7.99Pa.	6.50%
At E11....	148.66Pa.	141.02Pa.	-6.62Pa.	14.26Pa.	9.59%
At E12....	126.62Pa.	140.91Pa.	-25.99Pa.	11.71Pa.	9.24%
At E13....	117.16Pa.	140.81Pa.	-32.36Pa.	8.71Pa.	7.43%
At S31....	151.89Pa.	140.88Pa.	-1.32Pa.	11.34Pa.	7.46%
At S32....	153.59Pa.	140.91Pa.	.89Pa.	11.79Pa.	7.67%
At S33....	151.87Pa.	140.88Pa.	-1.18Pa.	11.17Pa.	7.35%
At S21....	154.50Pa.	140.86Pa.	1.68Pa.	11.96Pa.	7.74%
At S22....	155.36Pa.	140.80Pa.	2.13Pa.	12.43Pa.	8.00%
At S23....	153.98Pa.	141.11Pa.	1.90Pa.	11.07Pa.	7.19%
At S11....	153.95Pa.	140.99Pa.	2.36Pa.	10.59Pa.	6.98%
At S12....	155.22Pa.	141.05Pa.	2.35Pa.	11.32Pa.	7.62%
At S13....	154.83Pa.	140.98Pa.	2.35Pa.	11.50Pa.	7.43%
At W31....	126.59Pa.	140.65Pa.	-27.84Pa.	13.78Pa.	10.98%
At W32....	126.23Pa.	140.91Pa.	-26.99Pa.	12.31Pa.	9.75%
At W33....	136.02Pa.	140.99Pa.	-13.64Pa.	8.67Pa.	6.37%
At W21....	129.00Pa.	140.98Pa.	-23.85Pa.	11.87Pa.	9.20%
At W22....	128.74Pa.	141.08Pa.	-25.15Pa.	12.81Pa.	9.95%
At W23....	137.95Pa.	140.85Pa.	-15.54Pa.	12.64Pa.	9.16%
At W11....	126.39Pa.	141.03Pa.	-26.56Pa.	11.37Pa.	8.39%
At W12....	128.90Pa.	141.20Pa.	-25.55Pa.	13.26Pa.	10.28%
At W13....	140.67Pa.	140.65Pa.	-11.95Pa.	11.97Pa.	8.51%

Average internal pressure for V & W effect: -175.09 Pa.

Average internal pressure for Wind effect : -24.26 Pa.

Average internal pressure for Vent effect : -142.58 Pa.

Temperature inside is: 20.54 Degree C.

Temperature outside is: 21.26 Degree C.

Wind velocity if necessary is: 10.04 m/s.

Ventilation rate if necessary is: 210.00 cfm.

Wind angle is: 0 Degree.

Type of flow is: SHEAR / FIXED Q

Location of opening: ALL OPEN / 10 SECONDS

End of comparison.

Value of pressure Differences (Po-Pi) and % differences:

(Percentage is evaluated as $dP(dDiff)/dP(wind \& vent)$)

	<u>dP(W & V)(Pa)</u>	<u>dP(Vent)(Pa)</u>	<u>dP(Wind)(Pa)</u>	<u>dP(Diff)(Pa)</u>	<u>% Diff</u>
At N31....	129.75Pa.	103.21Pa.	17.73Pa.	3.81Pa.	2.94%
At N32....	130.47Pa.	108.06Pa.	17.51Pa.	4.90Pa.	3.75%
At N33....	129.00Pa.	108.23Pa.	15.82Pa.	4.96Pa.	3.84%
At N21....	126.91Pa.	103.29Pa.	15.66Pa.	2.36Pa.	2.33%
At N22....	127.46Pa.	108.20Pa.	15.86Pa.	3.40Pa.	2.66%
At N23....	125.87Pa.	108.15Pa.	14.19Pa.	3.53Pa.	2.80%
At N11....	127.02Pa.	108.24Pa.	12.13Pa.	6.65Pa.	5.23%
At N12....	125.25Pa.	108.18Pa.	12.83Pa.	4.24Pa.	3.38%
At N13....	123.86Pa.	108.23Pa.	11.17Pa.	4.45Pa.	3.59%
At E31....	109.19Pa.	108.21Pa.	-5.47Pa.	6.43Pa.	5.89%
At E32....	105.38Pa.	108.12Pa.	-8.24Pa.	5.50Pa.	5.22%
At E33....	104.93Pa.	108.18Pa.	-7.95Pa.	4.70Pa.	4.48%
At E21....	109.73Pa.	108.08Pa.	-4.79Pa.	6.45Pa.	5.88%
At E22....	104.99Pa.	108.11Pa.	-7.71Pa.	4.59Pa.	4.37%
At E23....	105.42Pa.	108.27Pa.	-7.12Pa.	4.26Pa.	4.04%
At E11....	111.95Pa.	108.36Pa.	-2.63Pa.	6.21Pa.	5.55%
At E12....	106.64Pa.	108.39Pa.	-8.27Pa.	6.82Pa.	6.40%
At E13....	103.54Pa.	108.30Pa.	-8.86Pa.	4.10Pa.	3.96%
At S31....	112.41Pa.	108.16Pa.	-5.51Pa.	4.76Pa.	4.24%
At S32....	112.97Pa.	108.16Pa.	-5.17Pa.	4.99Pa.	4.40%
At S33....	112.71Pa.	108.30Pa.	-5.16Pa.	4.57Pa.	4.06%
At S21....	114.00Pa.	108.29Pa.	-5.27Pa.	5.43Pa.	4.76%
At S22....	114.05Pa.	108.15Pa.	-5.38Pa.	5.52Pa.	4.84%
At S23....	114.03Pa.	108.21Pa.	-5.13Pa.	5.69Pa.	4.99%
At S11....	113.97Pa.	108.12Pa.	-5.39Pa.	5.46Pa.	4.79%
At S12....	114.37Pa.	108.31Pa.	-5.62Pa.	5.44Pa.	4.75%
At S13....	114.36Pa.	108.26Pa.	-5.44Pa.	5.66Pa.	4.95%
At W31....	105.32Pa.	108.31Pa.	-7.53Pa.	4.54Pa.	4.31%
At W32....	106.14Pa.	108.25Pa.	-7.62Pa.	5.51Pa.	5.19%
At W33....	108.97Pa.	107.98Pa.	-4.23Pa.	5.23Pa.	4.80%
At W21....	106.89Pa.	103.05Pa.	-5.98Pa.	4.81Pa.	4.50%
At W22....	107.05Pa.	107.95Pa.	-6.41Pa.	5.51Pa.	5.14%
At W23....	109.35Pa.	108.24Pa.	-4.11Pa.	5.22Pa.	4.77%
At W11....	105.90Pa.	108.14Pa.	-6.44Pa.	4.19Pa.	3.96%
At W12....	106.17Pa.	108.25Pa.	-6.86Pa.	4.78Pa.	4.50%
At W13....	110.94Pa.	108.26Pa.	-3.54Pa.	6.23Pa.	5.61%

Average internal pressure for V & W effect: -120.76 Pa.

Average internal pressure for Wind effect : -7.81 Pa.

Average internal pressure for Vent effect : -109.80 Pa.

Temperature inside is: 23.91 Degree C.

Temperature outside is: 21.81 Degree C.

Wind velocity if necessary is: 5.03 m/s.

Ventilation rate if necessary is: 180.00 cfh.

Wind angle is: 0 Degree.

Type of flow is: SHEAR / FIXED Q

Location of opening: ALL OPEN / 10 SECONDS

End of comparison.

Value of pressure differences (Po-Pi) and % differences:

(Percentage is evaluated as $dP(dDiff)/dP(wind \& vent)$)

	<u>dP(W & V)(Pa)</u>	<u>dP(Vent)(Pa)</u>	<u>dP(Wind)(Pa)</u>	<u>dP(Diff)(Pa)</u>	<u>% Diff</u>
At N31....	145.00Pa.	108.21Pa.	35.26Pa.	1.53Pa.	1.06%
At N32....	148.30Pa.	108.06Pa.	35.53Pa.	4.70Pa.	3.17%
At N33....	147.13Pa.	108.23Pa.	30.78Pa.	8.12Pa.	5.52%
At N21....	139.79Pa.	108.29Pa.	30.94Pa.	.56Pa.	.40%
At N22....	144.05Pa.	108.20Pa.	31.27Pa.	4.57Pa.	3.17%
At N23....	140.03Pa.	108.15Pa.	28.59Pa.	3.30Pa.	2.36%
At N11....	140.61Pa.	108.24Pa.	24.65Pa.	7.72Pa.	5.49%
At N12....	137.25Pa.	108.18Pa.	26.61Pa.	2.46Pa.	1.79%
At N13....	135.67Pa.	108.23Pa.	22.70Pa.	4.75Pa.	3.50%
At E31....	102.73Pa.	108.21Pa.	-9.55Pa.	4.07Pa.	3.96%
At E32....	95.75Pa.	108.12Pa.	-17.59Pa.	5.22Pa.	5.45%
At E33....	96.85Pa.	108.18Pa.	-15.69Pa.	4.36Pa.	4.50%
At E21....	105.28Pa.	108.08Pa.	-9.73Pa.	6.98Pa.	6.63%
At E22....	99.16Pa.	108.11Pa.	-16.32Pa.	7.37Pa.	7.43%
At E23....	97.89Pa.	108.27Pa.	-14.46Pa.	4.08Pa.	4.17%
At E11....	110.41Pa.	108.36Pa.	-3.91Pa.	5.96Pa.	5.40%
At E12....	101.45Pa.	108.09Pa.	-14.93Pa.	8.29Pa.	3.17%
At E13....	96.11Pa.	108.30Pa.	-18.38Pa.	6.18Pa.	6.43%
At S31....	113.25Pa.	108.16Pa.	-.09Pa.	5.17Pa.	4.57%
At S32....	114.40Pa.	108.16Pa.	.22Pa.	6.02Pa.	5.26%
At S33....	113.23Pa.	108.30Pa.	-.43Pa.	5.36Pa.	4.74%
At S21....	114.63Pa.	108.29Pa.	.65Pa.	5.69Pa.	4.97%
At S22....	115.46Pa.	108.15Pa.	1.65Pa.	5.66Pa.	4.90%
At S23....	115.06Pa.	108.21Pa.	1.00Pa.	5.84Pa.	5.08%
At S11....	115.20Pa.	108.12Pa.	1.31Pa.	5.77Pa.	5.01%
At S12....	116.13Pa.	108.31Pa.	1.92Pa.	5.90Pa.	5.08%
At S13....	115.71Pa.	108.26Pa.	1.17Pa.	6.28Pa.	5.43%
At W31....	99.65Pa.	108.31Pa.	-14.21Pa.	5.55Pa.	5.57%
At W32....	98.97Pa.	108.25Pa.	-15.93Pa.	6.55Pa.	6.62%
At W33....	105.75Pa.	107.98Pa.	-9.14Pa.	6.91Pa.	6.53%
At W21....	101.27Pa.	108.05Pa.	-12.36Pa.	5.57Pa.	5.50%
At W22....	100.46Pa.	107.95Pa.	-13.48Pa.	5.99Pa.	5.96%
At W23....	105.31Pa.	108.24Pa.	-9.42Pa.	6.49Pa.	6.17%
At W11....	98.16Pa.	108.14Pa.	-13.62Pa.	3.64Pa.	3.70%
At W12....	99.51Pa.	108.25Pa.	-12.64Pa.	3.89Pa.	3.91%
At W13....	105.27Pa.	108.26Pa.	-7.31Pa.	4.32Pa.	4.11%

Average internal pressure for V & W effect: -126.29 Pa.
 Average internal pressure for Wind effect : -14.05 Pa.
 Average internal pressure for Vent effect : -109.80 Pa.

Temperature inside is: 21.13 Degree C.
 Temperature outside is: 22.05 Degree C.

Wind velocity if necessary is: 7.24 m/s.

Ventilation rate if necessary is: 180.00 cfh.

Wind angle is: 0 Degree.

Type of flow is: SHEAR / FIXED Q

Location of opening: ALL OPEN / 10 SECONDS

End of comparison.

Value of pressure differences (Po-Pi) and % differences:

(Percentage is evaluated as $dP(Diff)/dP(Wind + vent)$)

	<u>dP(W & V)(Pa)</u>	<u>dP(Vent)(Pa)</u>	<u>dP(Wind)(Pa)</u>	<u>dP(Diff)(Pa)</u>	<u>% Diff</u>
At N31....	220.96Pa.	108.21Pa.	96.07Pa.	16.68Pa.	7.55%
At N32....	224.53Pa.	108.06Pa.	101.10Pa.	15.36Pa.	6.84%
At N33....	212.42Pa.	108.23Pa.	86.16Pa.	18.02Pa.	8.48%
At N21....	205.43Pa.	108.29Pa.	81.01Pa.	16.18Pa.	7.88%
At N22....	208.51Pa.	108.20Pa.	82.69Pa.	17.61Pa.	8.44%
At N23....	190.73Pa.	108.15Pa.	79.35Pa.	3.23Pa.	1.69%
At N11....	200.23Pa.	108.24Pa.	69.05Pa.	22.95Pa.	11.46%
At N12....	189.79Pa.	108.13Pa.	72.00Pa.	9.62Pa.	5.07%
At N13....	184.42Pa.	108.23Pa.	63.50Pa.	12.69Pa.	6.88%
At E31....	86.26Pa.	108.21Pa.	-26.59Pa.	4.66Pa.	5.40%
At E32....	67.11Pa.	108.12Pa.	-48.79Pa.	7.78Pa.	11.59%
At E33....	70.09Pa.	108.18Pa.	-45.86Pa.	7.77Pa.	11.08%
At E21....	87.96Pa.	108.08Pa.	-26.89Pa.	6.76Pa.	7.69%
At E22....	72.82Pa.	108.11Pa.	-46.26Pa.	10.97Pa.	15.07%
At E23....	71.86Pa.	108.27Pa.	-41.94Pa.	5.52Pa.	7.69%
At E11....	99.86Pa.	108.36Pa.	-10.46Pa.	1.97Pa.	1.97%
At E12....	70.57Pa.	108.09Pa.	-41.04Pa.	3.52Pa.	4.89%
At E13....	58.07Pa.	108.30Pa.	-53.29Pa.	3.05Pa.	5.26%
At S31....	114.92Pa.	108.16Pa.	-.87Pa.	7.62Pa.	6.63%
At S32....	116.49Pa.	108.16Pa.	1.33Pa.	7.00Pa.	6.01%
At S33....	114.43Pa.	108.30Pa.	-.90Pa.	7.04Pa.	6.15%
At S21....	119.58Pa.	108.29Pa.	1.52Pa.	9.77Pa.	8.17%
At S22....	120.72Pa.	108.15Pa.	4.31Pa.	8.26Pa.	6.34%
At S23....	117.63Pa.	108.21Pa.	2.73Pa.	6.69Pa.	5.69%
At S11....	119.42Pa.	108.12Pa.	3.03Pa.	8.22Pa.	6.88%
At S12....	122.88Pa.	108.31Pa.	2.66Pa.	11.91Pa.	9.69%
At S13....	119.01Pa.	108.26Pa.	4.53Pa.	6.17Pa.	5.19%
At W31....	73.99Pa.	108.31Pa.	-40.67Pa.	6.35Pa.	6.58%
At W32....	75.67Pa.	108.25Pa.	-42.36Pa.	9.79Pa.	12.93%
At W33....	89.88Pa.	107.98Pa.	-27.49Pa.	9.40Pa.	10.45%
At W21....	83.96Pa.	108.05Pa.	-35.03Pa.	10.93Pa.	13.02%
At W22....	79.31Pa.	107.95Pa.	-39.66Pa.	11.02Pa.	13.89%
At W23....	91.97Pa.	108.24Pa.	-22.10Pa.	5.83Pa.	6.34%
At W11....	77.94Pa.	108.14Pa.	-44.45Pa.	14.25Pa.	18.29%
At W12....	73.28Pa.	108.25Pa.	-38.93Pa.	9.96Pa.	12.57%
At W13....	99.61Pa.	108.26Pa.	-20.00Pa.	11.35Pa.	11.39%

Average internal pressure for V & W effect: -152.99 Pa.
 Average internal pressure for Wind effect : -37.04 Pa.
 Average internal pressure for Vent effect : -109.30 Pa.

Temperature inside is: 21.44 Degree C.
 Temperature outside is: 22.35 Degree C.

Wind velocity if necessary is: 12.52 m/s.

Ventilation rate if necessary is: 180.00 cfh.

Wind angle is: 0 Degree.

Type of flow is: SHEAR / FIXED Q

Location of opening: ALL OPEN / 10 SECONDS

End of comparison.