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ATTACHED : PHOTOS & CERTIFICATES OF MOCK-UP TESTING LABORATORY

12~15(F)

### 1. GENERAL

- 1-1. PROJECT : SMOKE RESISTANT DOOR TEST  
1-2. PLACE OF TEST : CNC TESTING LABORATORY  
1-3. DATE OF TEST : NOV. 29<sup>TH</sup>. 2012. 1:50 P.M. ~ 3:30 P.M.  
1-4. DATE OF REPORT : DEC. 7<sup>TH</sup>. 2012.  
1-5. CLIENT : SAMHOON CO.,LTD

### 2. WEATHER CONDITION

- 2-1. WEATHER : CLEAR  
2-2. TEMPERATURE : 3.8 deg.C  
2-3. HUMIDITY : 37 %  
2-4. ATMOSPHERIC PRESSURE : 1010 hPa

### 3. PARTICIPANTS

- WOO-SUNG KIM (EXECUTIVE MANAGING DIRECTOR) : SAMHOON CO.,LTD  
GI-IN PARK (PLANT MANAGER) : SAMHOON CO.,LTD  
SANG-YOUNG JUNG (GENERAL MANAGER) : SAMHOON CO.,LTD  
DONG-SOO PARK (MANAGER) : SAMHOON CO.,LTD  
BYOUNG-HOON GIL (MANAGER) : CNC  
YI-BOK CHUNG (DEPUTY MANAGER) : CNC

#### 4. INSTALLATION SCHEDULE OF SPECIMEN

4-1. INSTALLATION OF CHAMBER : NOV. 28<sup>TH</sup>. 2012.  
 4-2. INSTALLATION OF SPECIMEN : NOV. 28<sup>TH</sup>. 2012.  
 4-3. CHAMBER CLOSING : NOV. 28<sup>TH</sup>. 2012.

#### 5. SPECIMEN DESCRIPTION

5-1. SPECIMEN DIMENSION : 2,300 mm (W) × 2,150 mm (H)  
 5-2. GASKET : ASE-04-1  
 5-3. SEALANT : Anyseal N  
 5-4. GLASS : 6mm F/T + 0.76 PVB + 6mm F/T

#### STC & SR DOOR

- DOOR MATERIAL : STEEL
- FRAME MATERIAL : STEEL
- DOOR TYPE : DOUBLE DOOR
- DOOR NC D151

SAMHOON HARDWARE SETS							
SET NO.	QTY	ITEM DESCRIPTION	ANSI CODE	MFR.	MODEL NO.	FINISH	REMARKS
	1	THRESHOLD		PEMKO	2005-T	AL	
	2	ASTRAGAL		PEMKO	297-PK	AL	

**6. TEST SPECIFICATION**

- 6-1. AIR EXFILTRATION TEST : ASTM E 283  
STANDARD TEST METHOD FOR DETERMINING RATE OF AIR  
LEAKAGE THROUGH EXTERIOR WINDOWS, CURTAIN WALLS,  
AND DOORS UNDER SPECIFIED PRESSURE DIFFERENCES  
ACROSS THE SPECIMEN
- 6-2. SMOKE RESISTANT TEST : BY SPEC

**7. METHOD & RESULT OF TEST****7-1. DOOR OPERATION**

5(FIVE) CYCLES OF OPENING AND CLOSING FOR DOOR

SPECIFICATION : NO FAILURE

**TEST RESULTS ARE SATISFACTORY.****7-2. STATIC AIR EXFILTRATION TEST : ASTM E 283**AT +7.6 kg/m<sup>2</sup> (=75 Pa) STATIC PRESSURE

7-2-1 ; FILM ON : 17.5 cfm (AIR LEAKAGE AT CHAMBER)  
FILM OFF : 20.0 cfm  
=> AIR LEAKAGE AT SPECIMEN : 2.5 cfm  
SPECIFICATION : LESS THAN 0.3 cfm/ft<sup>2</sup> (5.49 m<sup>3</sup>/hr-m<sup>2</sup>)  
ALLOWABLE : 53.22 ft<sup>2</sup> × 0.3 cfm/ft<sup>2</sup> = 15.9 cfm > 2.5 cfm

7-2-2 ; TOTAL AREA  
=> AIR LEAKAGE OF SPECIMEN : 2.5 cfm

TOTAL ALLOWABLE : 15.9 cfm &gt; 2.5 cfm

**TEST RESULTS ARE SATISFACTORY.****7-3. SMOKE RESISTANCE TEST : BY SPEC**AT NO PRESSURE DIFFERENCES ACROSS THE SPECIMEN  
SET LIGHT TO SMOKE CANNISTER AND EXAMINE FOR FIVE MINUTES

SPECIFICATION : NO SMOKE THROUGH THE SPECIMEN DETECTED BY CLIENT

**TEST RESULTS ARE SATISFACTORY.**



**8. SUMMARY**

TEST RESULTS OF SMOKE RESISTANT DOOR OF MOCK-UP ARE AS FOLLOWS

- 1. THE TEST RESULTS OF AIR INFILTRATION WERE WITHIN THE ALLOWABLE.
- 2. THE TEST RESULTS OF SMOKE RESISTANT TEST WERE WITHIN THE ALLOWABLE.

PLEASE DO NOT HESITATE TO ASK TO LABORATORY WHEN YOU HAVE QUESTIONS ABOUT THIS TEST OR TEST REPORT.

**CNC**  
TESTING LABORATORY

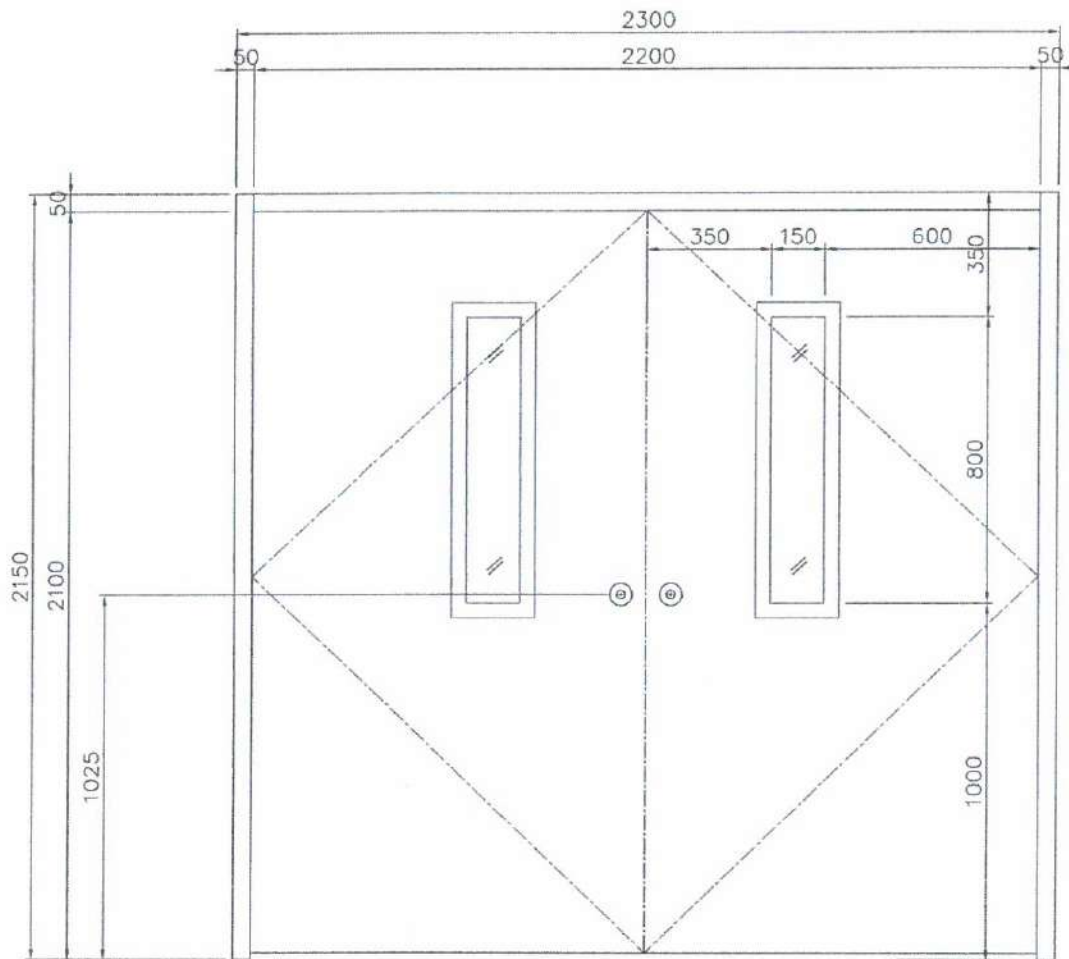


\_\_\_\_\_  
President    CHUNG, JIN SE

9. MOCK-UP DWG.

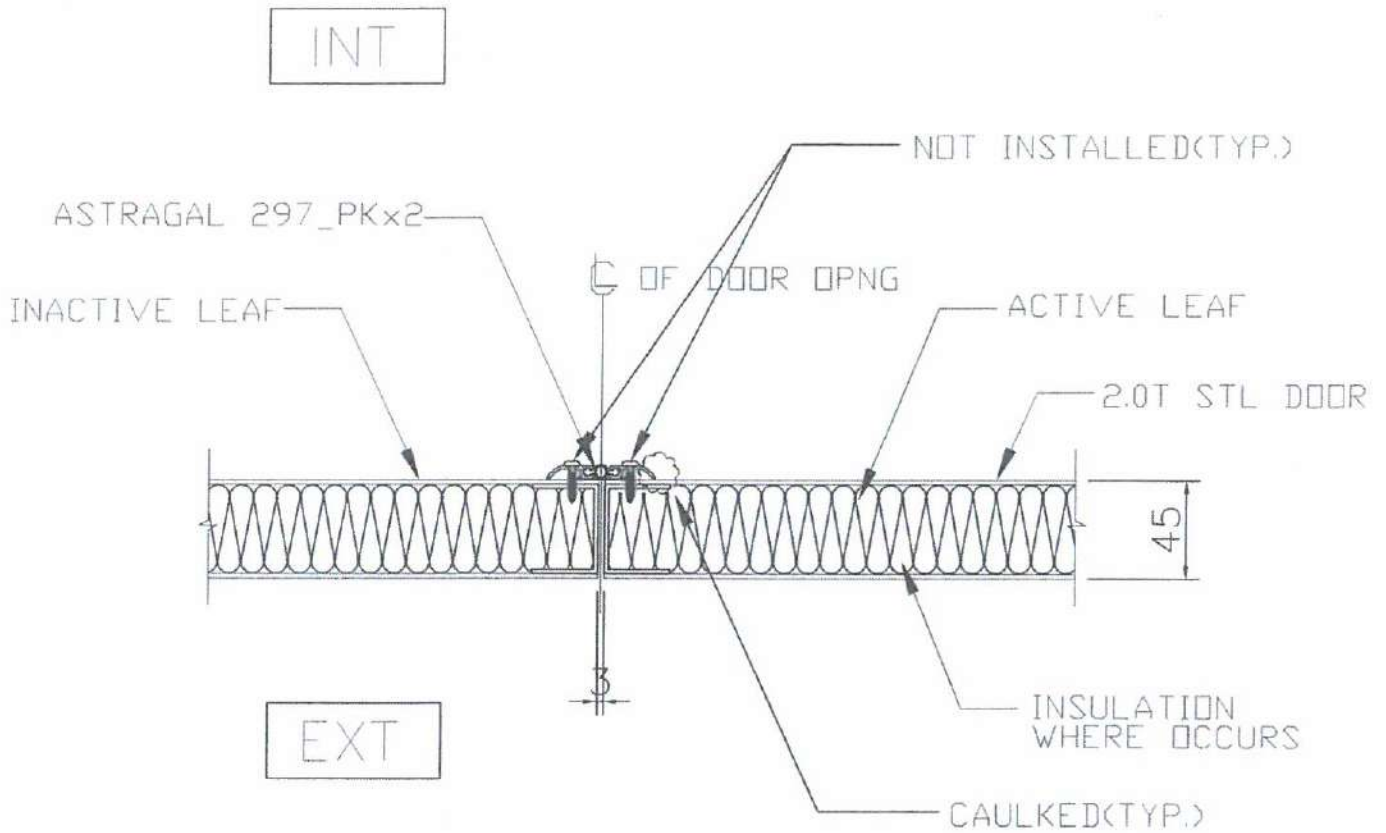
\* REFER TO ADDITIONAL DETAIL OF MOCK-UP DWG.

9-1. ELEVATION



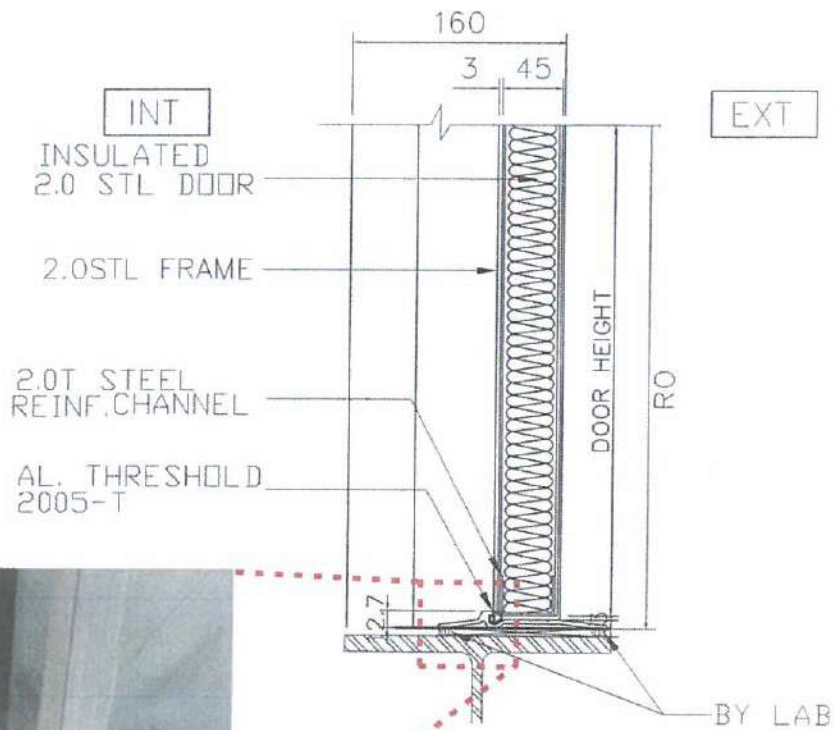
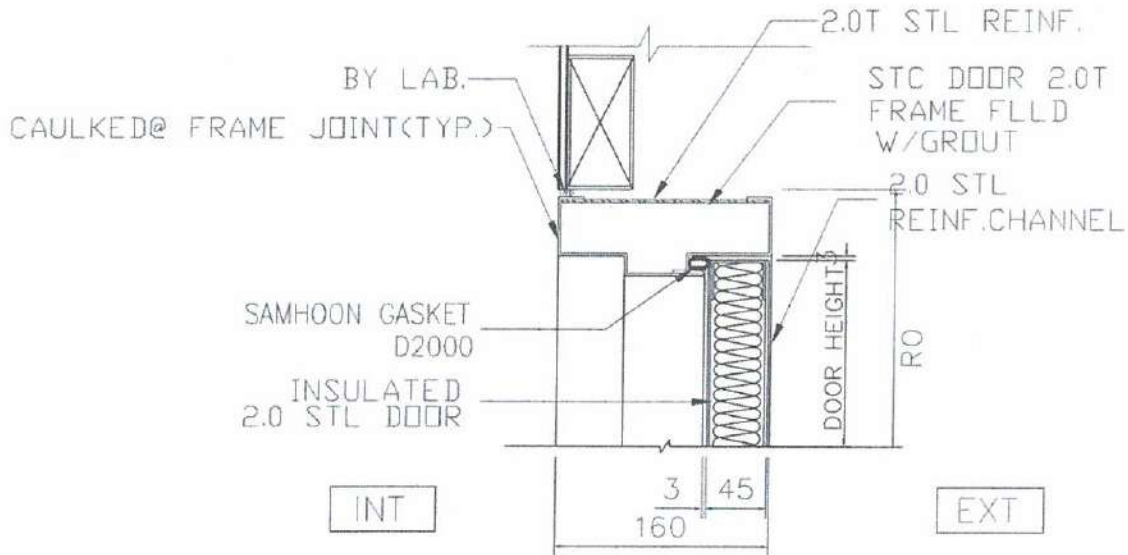
ASSUMED EXTERIOR VIEW

9-2. HORIZONTAL SECTION FOR DOOR

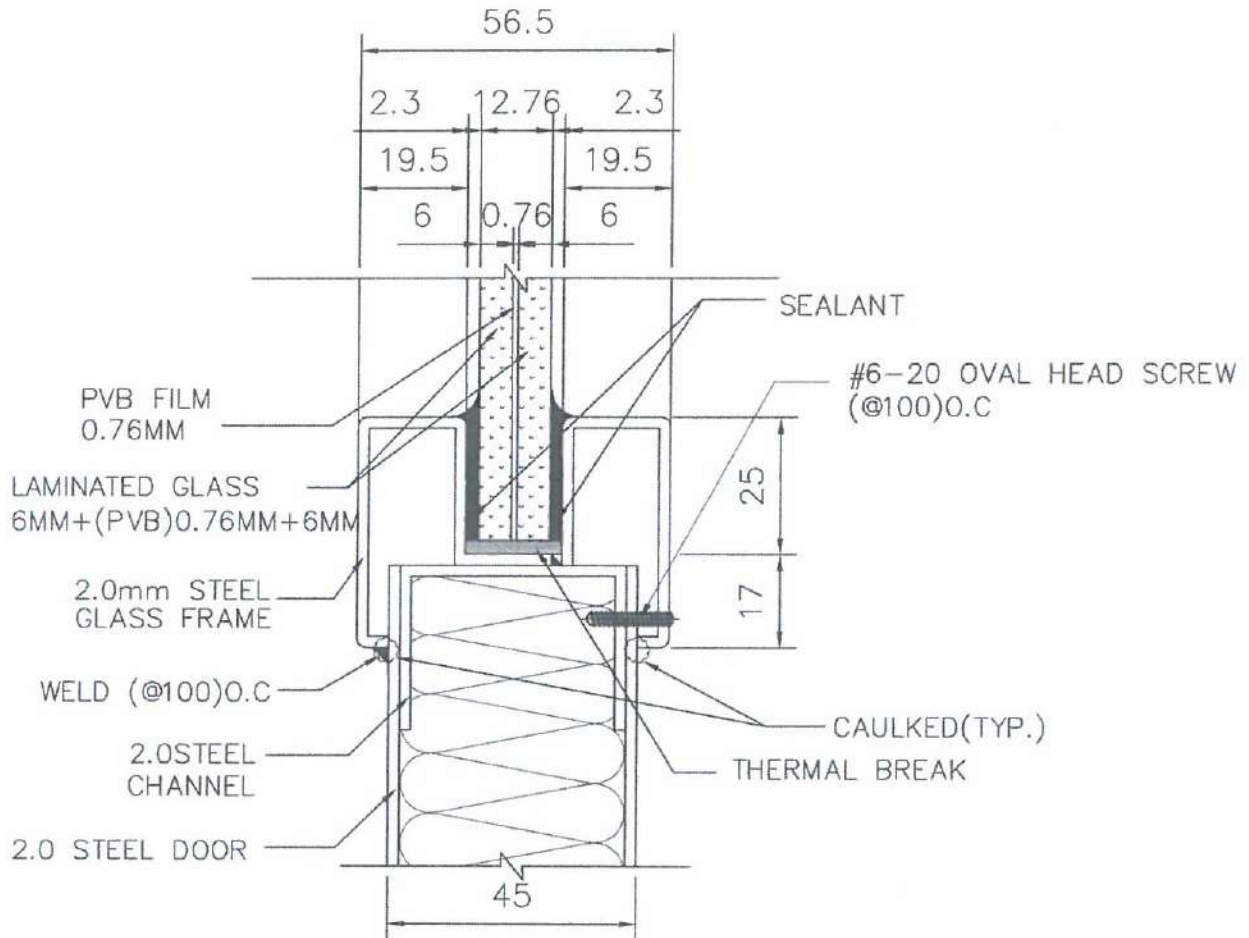




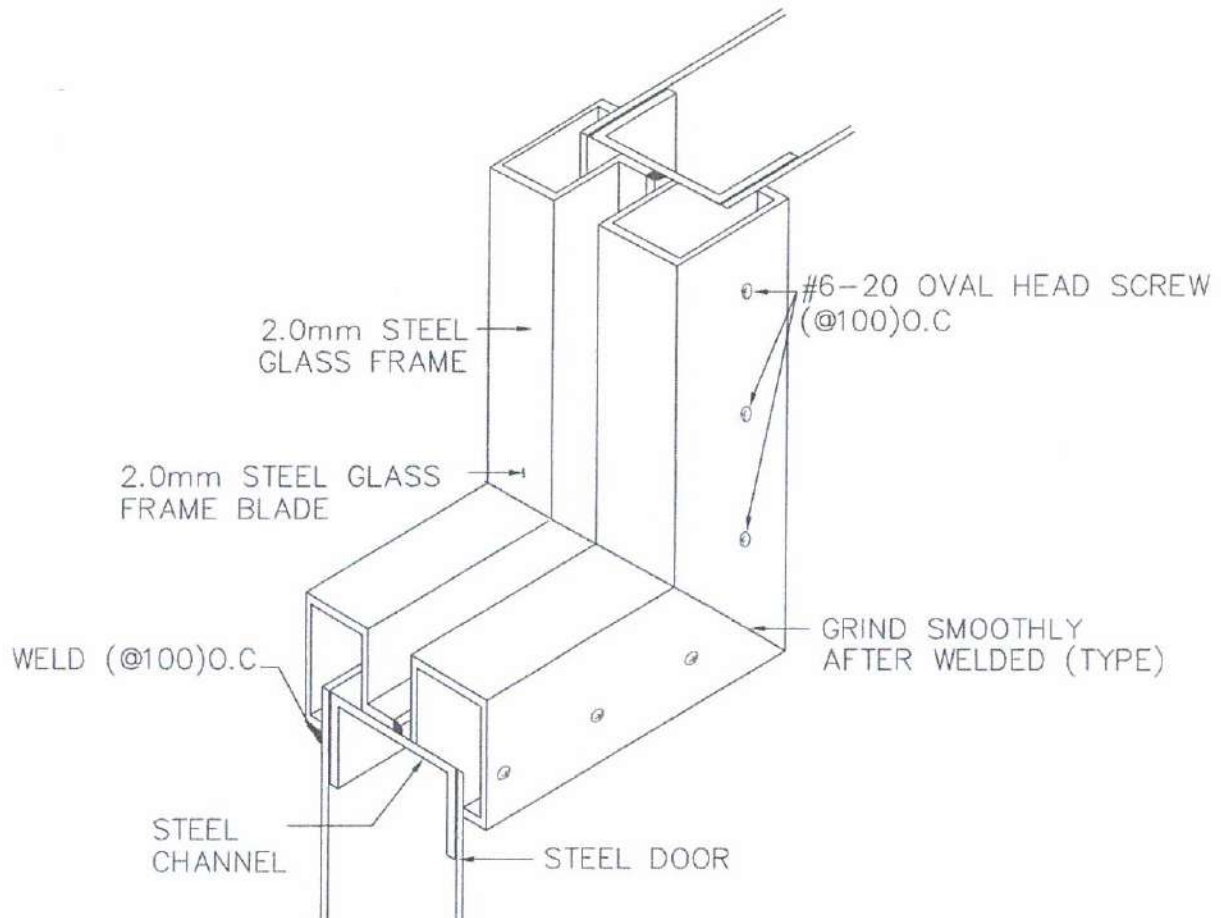
### 9-3. VERTICAL SECTION



### 9-4. VERTICAL SECTION FOR GLASS @ DOOR

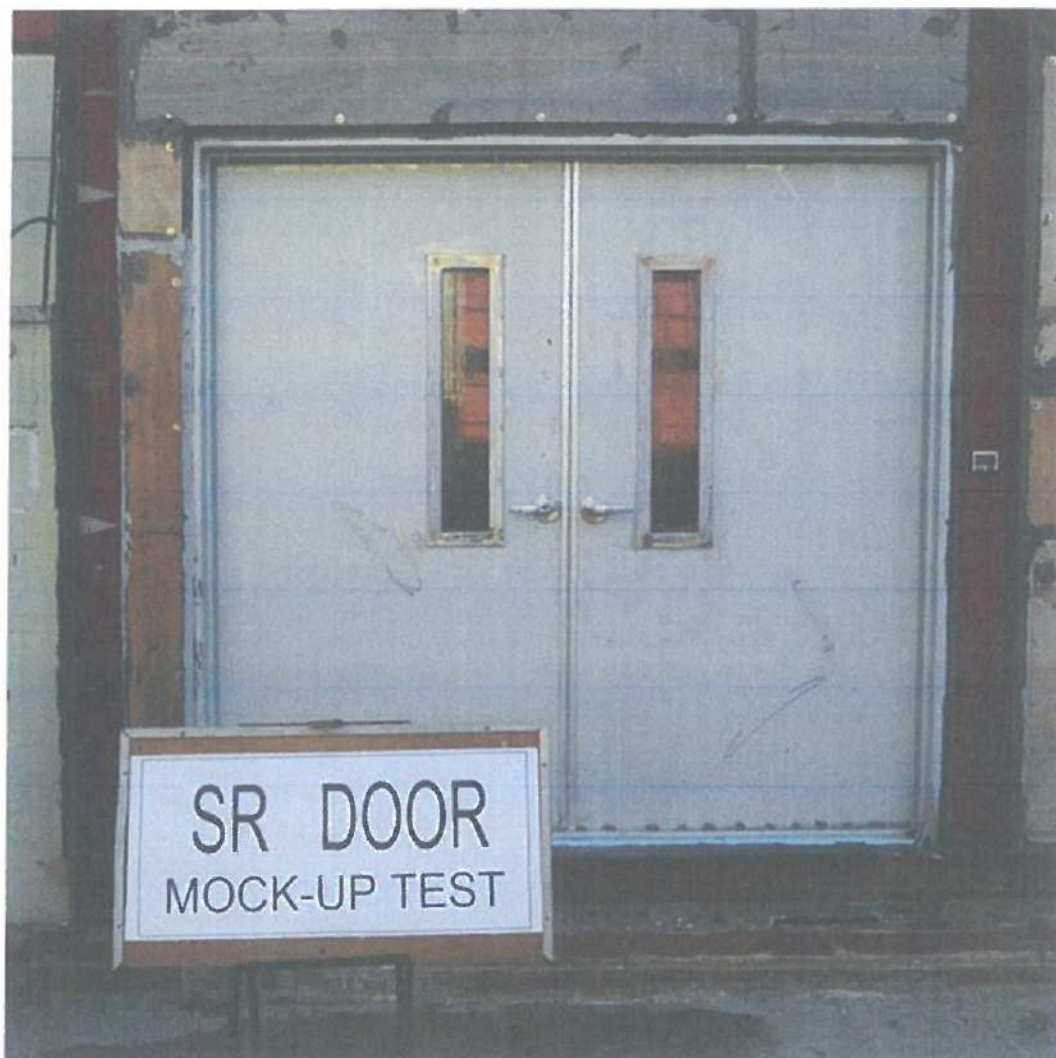


### 9-5. GLASS TRIM DETAIL @ DOOR



## PHOTOS OF MOCK-UP TEST

### 1. A PANORAMIC PHOTO OF SPECIMEN



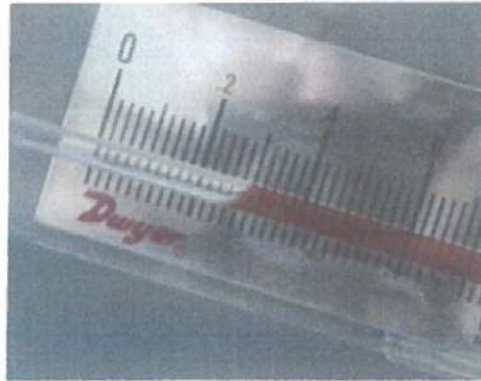


### 2. BRIEFING OF MOCK-UP TEST PROCEDURE





### 3. STATIC AIR EXFILTRATION TEST ; ASTM E 283



△ AIR PRESSURE DIFFERENCE 0.3" H<sub>2</sub>O (= 75 Pa, 7.6 kg/m<sup>2</sup>)

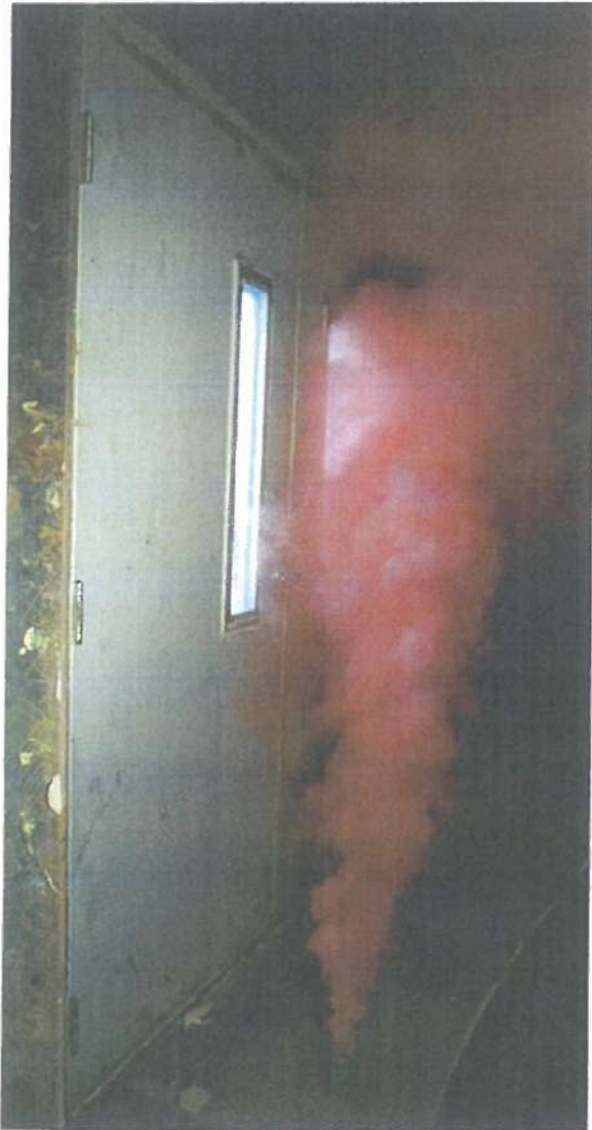


△ 17.5 cfm  
(AIR LEAKAGE @CHAMBER)



△ 20.0 cfm  
(FILM OFF / TOTAL AIR LEAKAGE)

### 4. SMOKE RESISTANT TEST ; BY SPEC



△ SET LIGHT TO SMOKE CANNISTER(2EA)  
INTERIOR OF THE CHAMBER

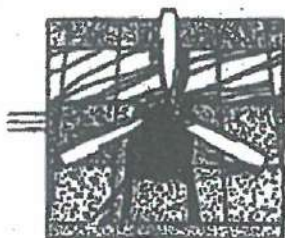


△ EXTERIOR OF THE CHAMBER

**CNC**

TESTING LABORATORY

#1720, SUSEO HYUNDAI-VENTURE VILLE, 713  
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ANSUNG LAB. TEL : (031) 656-6761 / FAX : (031) 656-6785  
CHUNGJU LAB. TEL : (043) 854-7791 / FAX : (043) 854-7795



**MID AMERICA TESTING LABORATORY, INC.**

10525 SIGNAL HILL DRIVE • CATAWISSA, MISSOURI 63015  
(636) 257-4722 • FAX (636) 257-5425

**CERTIFIED LABORATORY**

MID AMERICA TESTING LABORATORY has certified that:

**CNC TESTING LABORATORY**  
#1720, Suseo Hyundai-Venture Ville  
713 Suseo-Dong, Gangnam-Ku  
Seoul, KOREA

Has had their equipment technically certified in the field of

**LABORATORY TESTING**

This certification covers the specific test and types of tests listed on the agreed scope of certification. This laboratory meets the requirements of ASTM E-699-91, "Practice for Criteria for evaluation of Agencies Involved in Testing, Quality Assurance, and Evaluating Building Components in Accordance with Test Methods Promulgated by ASTM Committee E-6.

Presented this 14<sup>th</sup> day of February, 2007

Respectfully Submitted,

MID AMERICA TESTING LABORATORY

*Cindy Barrow*

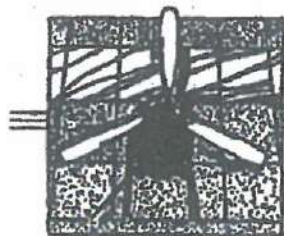
Cindy Barrow  
Senior Project Manager



# CNC

TESTING LABORATORY

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## **MID AMERICA TESTING LABORATORY, INC.**

10525 SIGNAL HILL DRIVE • CATAWISSA, MISSOURI 63015  
(636) 257-4722 • FAX (636) 257-5425

### **SCOPE OF CERTIFICATION**

**CNC TESTING LABORATORY**  
265-2, Banjeri, Wongogmyun  
Ansunsi, Gyeonggido, Korea

#### **LABORATORY TESTING**

In recognition of the successful completion of the MID AMERICA TESTING LABORATORY evaluation process, certification is granted to this laboratory to perform the following tests based on the calibration recorded during the period of February 14, 2007.

- |             |  |
|-------------|--|
| ASTM E 283  | Standard Test Method for, Determining the Rate of Air Leakage through Exterior Windows, Curtain Walls, and Doors Under Specified Pressure Differences Across the Specimen. |
| ASTM E 330  | Standard Test Method for Structural Performance of Exterior Windows, Curtain Walls, and Doors by Uniform Static Air Pressure Difference                                    |
| ASTM E 331  | Standard Test Method for Water Penetration of Exterior Windows, Curtain Walls, and Doors by Uniform Static Air Pressure Difference   |
| ASTM E 547  | Standard Test Method for Water Penetration of Exterior Windows, Curtain Walls, and Doors by Cyclic Static Air Pressure Differential  |
| ASTM E 783  | Standard Test Method for Field Measurement of Air Leakage through Installed Exterior Windows and Doors   |
| ASTM E 1105 | Field Determination of Water Penetration of Installed Exterior Windows, Curtain Walls, and Doors by Uniform or Cyclic Static Air Pressure Difference                       |

Page 2  
CNC Laboratory Calibration  
Scope of Certification  
February 14, 2007

ASTM C 1201	Standard Test Method for Structural Performance of Exterior Dimension Stone Cladding Systems by Uniform Static Air Pressure Difference
AAMA 501.1	Standard Test Method for Exterior Windows, Curtain Walls, and Doors for Water Penetration Using Dynamic Pressure
AAMA 501.4	Recommended Static Test Method for Evaluating Curtain Wall and Storefront Systems Subjected to Seismic and Wind Induced Interstory Drifts

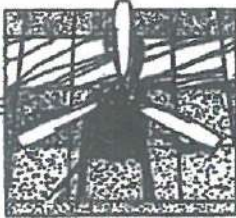
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**CNC**

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**MID AMERICA TESTING LABORATORY, INC.**

10525 SIGNAL HILL DRIVE • CATAWISSA, MISSOURI 63015  
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**CLIENT:** CNC Testing Laboratory  
265-2, Banjeri, Wongogmyun,  
Ansungsi, Gyeonggido, Korea

**REPORT NUMBER:** 07002A

**DATE OF REPORT:** February 21, 2007

**DATE OF CALIBRATION:** February 14, 2007

**TEST EQUIPMENT CALIBRATION REPORT**

All calibrations were conducted in accordance with procedures outlined in the applicable ASTM standards.

**SUBJECT:** Calibration of CNC Testing Laboratory Air Flow Measuring System.

The air flow measuring system consisted of a Dwyer 0-6" Incline Manometer and 0-160 CFM Flow meter (Gage number 01-11), and 1 Cadillac Model HP33 2" blowers.

**1" DIAMETER ORIFACE PLATE**

**ALLOWED:** 7.36 CFM  $\pm 5\%$  (.368 CFM) when measured at  
.3" H<sub>2</sub>O through a 1" diameter orifice.

**RESULTS:** 7.50 CFM when measured at .3" H<sub>2</sub>O through a  
1" diameter orifice.

Page 2  
CNC Calibration Report  
07002F  
February 21, 2007

### 1 1/2" DIAMETER ORIFACE PLATE

**ALLOWED:** 16.24 CFM  $\pm 5\%$  (.812 CFM) when measured at  
.3" H<sub>2</sub>O through a 1" diameter orifice.

**RESULTS:** 15.83 CFM when measured at .3" H<sub>2</sub>O through a  
1 1/2" diameter orifice.

### 2" DIAMETER ORIFACE PLATE


**ALLOWED:** 28.90 CFM  $\pm 5\%$  (.812 CFM) when measured at  
.3" H<sub>2</sub>O through a 1" diameter orifice.

**RESULTS:** 29.4 CFM when measured at .3" H<sub>2</sub>O through a  
2" diameter orifice.

The Air Flow Measuring System complies with the requirements of ASTM E 283.

Respectfully Submitted,

MID AMERICA TESTING LABORATORY



Cindy Barrow  
Senior Project Manager

**CNC**

TESTING LABORATORY

#1720, SUSEO HYUNDAI-VENTURE VILLE, 713  
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**MID AMERICA TESTING LABORATORY**

**CERTIFIES**

**THE FOLLOWING EQUIPMENT OWNED BY:**

**CNC TESTING LABORATORY**

**265-2, Banjeri, Wonggomyun  
Ansungsi, Gyeongido, Korea**

**HAS PASSED CALIBRATION PROCEDURES AS OUTLINED IN:**

**ASTM E 283**

**"STANDARD TEST METHOD FOR DETERMINING THE RATE OF AIR  
LEAKAGE THROUGH EXTERIOR WINDOWS, CURTAIN WALL AND DOORS  
UNDER SPECIFIED PRESSURE DIFFERENCES ACROSS THE SPECIMEN"**

**0-160 AIR FLOW METER**

**NO. 01-11**

**CALIBRATED ON: FEBRUARY 14, 2007**

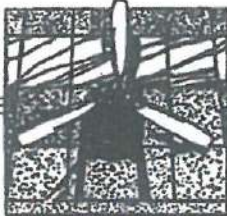
**RECORDS ON FILE: MID AMERICA TESTING LABORATORY  
JOB NUMBER: 07002F**



**CNC**

TESTING LABORATORY

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**MID AMERICA TESTING LABORATORY, INC.**

10525 SIGNAL HILL DRIVE • CATAWISSA, MISSOURI 63015  
(636) 257-4722 • FAX (636) 257-5425

**CLIENT:** CNC Testing Laboratory  
265-2, Banjeri, Wongogmyun,  
Ansungsi, Gyeonggido, Korea

**REPORT NUMBER:** 07002A

**DATE OF REPORT:** February 21, 2007

**DATE OF CALIBRATION:** February 14, 2007

**TEST EQUIPMENT CALIBRATION REPORT**

All calibrations were conducted in accordance with procedures outlined in the applicable ASTM standards.

**SUBJECT:** Calibration of CNC Testing Laboratory Air Flow Measuring System.

The air flow measuring system consisted of a Dwyer 0-6" Incline Manometer and 0-30 CFM Flow meter and 1 Cadillac Model HP33 2" blowers.

**1" DIAMETER ORIFACE PLATE**

**ALLOWED:** 7.36 CFM  $\pm$ 5% (.368 CFM) when measured at .3" H<sub>2</sub>O through a 1" diameter orifice.

**RESULTS:** 7.7 CFM when measured at .3" H<sub>2</sub>O through a 1" diameter orifice.

The Air Flow Measuring System complies with the requirements of ASTM E 283.

Respectfully Submitted,

MID AMERICA TESTING LABORATORY

*Cindy Barrow*  
Cindy Barrow  
Senior Project Manager

**CNC**

TESTING LABORATORY

#1720, SUSEO HYUNDAI-VENTURE VILLE, 713  
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## MID AMERICA TESTING LABORATORY

CERTIFIES

THE FOLLOWING EQUIPMENT OWNED BY:

### CNC TESTING LABORATORY

265-2, Banjeri, Wongogmyun  
Ansungsi, Gyeonggi-do, Korea

HAS PASSED CALIBRATION PROCEDURES AS OUTLINED IN:

#### ASTM E 283

"STANDARD TEST METHOD FOR DETERMINING THE RATE OF AIR  
LEAKAGE THROUGH EXTERIOR WINDOWS, CURTAIN WALL AND DOORS  
UNDER SPECIFIED PRESSURE DIFFERENCES ACROSS THE SPECIMEN"

#### DWYER

#### 0-30 CFM AIR FLOW METER

CALIBRATED ON: FEBRUARY 14, 2007

RECORDS ON FILE: MID AMERICA TESTING LABORATORY

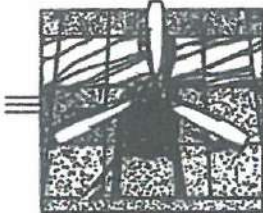
JOB NUMBER: 07002F



**CNC**

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**MID AMERICA TESTING LABORATORY, INC.**

10525 SIGNAL HILL DRIVE • CATAWISSA, MISSOURI 63015  
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**CLIENT:** CNC Testing Laboratory  
265-2, Banjeri, Wongogmyun,  
Ansunsi, Gyeonggido, Korea

**REPORT NUMBER:** 07002A

**DATE OF REPORT:** February 21, 2007

**DATE OF CALIBRATION:** February 14, 2007

**TEST EQUIPMENT CALIBRATION REPORT**

All calibrations were conducted in accordance with procedures outlined in the applicable ASTM standards.

**SUBJECT:** Calibration of CNC Testing Laboratory Water Spray Rack number 01-53

The spray rack was a nominal 9.6m x 9.6m constructed of 1/2" galvanized pipe and incorporated spray nozzles manufactured by Spraying Systems, Inc. The nozzles were spaced 24" on center. The spray rack was located 15" from the catch box and the water pressure was monitored at 15 PSI.

**RESULT:** Center point average 3.4 L/h per square meter.

The Water Spray System complies with the requirements of ASTM E 331 and ASTM E 547.

Respectfully Submitted,

MID AMERICA TESTING LABORATORY

*Cindy Barrow*

Cindy Barrow  
Senior Project Manager

**CNC**

TESTING LABORATORY

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## MID AMERICA TESTING LABORATORY

CERTIFIES

THE FOLLOWING EQUIPMENT OWNED BY:

### CNC TESTING LABORATORY

265-2, Banjeri, Wongogmyun  
Ansungsi, Gyeonggi-do, Korea

HAS PASSED CALIBRATION PROCEDURES AS OUTLINED IN:

**ASTM E 331**

"STANDARD TEST METHOD FOR DETERMINATION OF WATER  
PENETRATION OF INSTALLED EXTERIOR WINDOWS, SKYLIGHTS, DOORS  
AND CURTAIN WALLS BY UNIFORM OR CYCLIC STATIC AIR PRESSURE  
DIFFERENCE"

**SPRAY RACK No. 01-53**

**CALIBRATED ON: FEBRUARY 14, 2007**

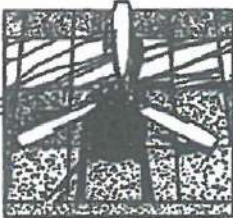
RECORDS ON FILE: MID AMERICA TESTING LABORATORY

JOB NUMBER: 07002F

**CNC**

TESTING LABORATORY

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**MID AMERICA TESTING LABORATORY, INC.**

10525 SIGNAL HILL DRIVE • CATAWISSA, MISSOURI 63015  
(636) 257-4722 • FAX (636) 257-5425

**CLIENT:** CNC Testing Laboratory  
265-2, Banjeri, Wongogmyun,  
Ansungsi, Gyeonggido, Korea

**REPORT NUMBER:** 07002A

**DATE OF REPORT:** February 22, 2007

**DATE OF CALIBRATION:** February 14, 2007

**TEST EQUIPMENT CALIBRATION REPORT**

All calibrations were conducted in accordance with procedures outlined in the applicable ASTM standards.

**SUBJECT:** Calibration of CNC Testing Laboratory Water Spray Rack number 07-125

The spray rack was constructed of 1/2" galvanized pipe and incorporated spray nozzles manufactured by Spraying Systems, Inc. The nozzles were spaced 24" on center. The spray rack was located 15" from the catch box and the water pressure was monitored at 15 PSI.

**RESULT:** Center point average 2.24 L/h per square meter.

The Water Spray System complies with the requirements of ASTM E 331 and ASTM E 547.

Respectfully Submitted,

MID AMERICA TESTING LABORATORY

*Cindy Barrow*

Cindy Barrow  
Senior Project Manager



**CNC**

TESTING LABORATORY

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# MID AMERICA TESTING LABORATORY

CERTIFIES

THE FOLLOWING EQUIPMENT OWNED BY:

## CNC TESTING LABORATORY

265-2, Banjeri, Wonggomyun  
Ansungsi, Gyeonggido, Korea

HAS PASSED CALIBRATION PROCEDURES AS OUTLINED IN:

**ASTM E 331**

“STANDARD TEST METHOD FOR DETERMINATION OF WATER  
PENETRATION OF INSTALLED EXTERIOR WINDOWS, SKYLIGHTS, DOORS  
AND CURTAIN WALLS BY UNIFORM OR CYCLIC STATIC AIR PRESSURE  
DIFFERENCE”

**SPRAY RACK NO. 07-125**

**CALIBRATED ON: FEBRUARY 14, 2007**

RECORDS ON FILE: MID AMERICA TESTING LABORATORY

JOB NUMBER: 07002F

# CNC

TESTING LABORATORY

#1720, SUSEO HYUNDAI-VENTURE VILLE, 713  
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## MID AMERICA TESTING LABORATORY, INC.

10525 SIGNAL HILL DRIVE • CATAWISSA, MISSOURI 63015  
(636) 257-4722 • FAX (636) 257-5425

**CLIENT:** CNC Testing Laboratory  
265-2, Banjeri, Wongogmyun,  
Ansongi, Gyeonggido, Korea

**REPORT NUMBER:** 07002A

**DATE OF REPORT:** February 23, 2007

**DATE OF CALIBRATION:** February 14, 2007

### TEST EQUIPMENT CALIBRATION REPORT

All calibrations were conducted in accordance with procedures outlined in the applicable AAMA standards.

**SUBJECT:** Calibration of CNC Testing Laboratory Dynamic Wind Generator System.

The Dynamic Wind Generator was identified as Gauge No. 01-52. Wind speed averages were read with an anemometer.

**ALLOWED:** Generator must maintain average speed for one minute.

**RESULTS:** Each speed was maintained for one minute.

The Wind Generator System complies with the requirements of AAMA 501.1-05.

Respectfully Submitted,

MID AMERICA TESTING LABORATORY

Cindy Barrow  
Senior Project Manager



**CNC**

TESTING LABORATORY

#1720, SUSEO HYUNDAI-VENTURE VILLE, 713  
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**MID AMERICA TESTING LABORATORY**

**CERTIFIES**

**THE FOLLOWING EQUIPMENT OWNED BY:**

**CNC TESTING LABORATORY**

**265-2, Banjeri, Wonggomyun  
Ansungsi, Gyeonggido, Korea**

**HAS PASSED CALIBRATION PROCEDURES AS OUTLINED IN:**

**AAMA 501.1-05**

**"STANDARD TEST METHOD FOR EXTERIOR WINDOWS, CURTAIN WALL  
AND DOORS FOR WATER PENETRATION USING DYNAMIC PRESSURE"**

**WIND GENERATOR NO. 01-52**

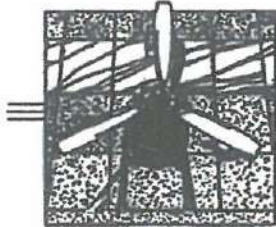
**CALIBRATED ON: FEBRUARY 14, 2007**

**RECORDS ON FILE: MID AMERICA TESTING LABORATORY  
JOB NUMBER: 07002F**

**CNC**

TESTING LABORATORY

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**MID AMERICA TESTING LABORATORY, INC.**

10525 SIGNAL HILL DRIVE • CATAWISSA, MISSOURI 63015  
(636) 257-4722 • FAX (636) 257-5425

**CLIENT:** CNC Testing Laboratory  
265-2, Banjeri, Wongogmyun,  
Ansongsi, Gyeonggido, Korea

**REPORT NUMBER:** 07002A

**DATE OF REPORT:** February 22, 2007

**DATE OF CALIBRATION:** February 14, 2007

**TEST EQUIPMENT CALIBRATION REPORT**

All calibrations were conducted in accordance with procedures outlined in the applicable ASTM standards.

**SUBJECT:** Calibration of CNC Testing Laboratory Water Spray Rack number 07-126

The spray rack was constructed of 1/2" galvanized pipe and incorporated spray nozzles manufactured by Spraying Systems, Inc. The nozzles were spaced 24" on center. The spray rack was located 15" from the catch box and the water pressure was monitored at 15 PSI.

**RESULT:** Center point average 1.88 L/h per square meter.

The Water Spray System complies with the requirements of ASTM E 1105.

Respectfully Submitted,

MID AMERICA TESTING LABORATORY

Cindy Barrow  
Senior Project Manager

**CNC**

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## MID AMERICA TESTING LABORATORY

CERTIFIES

THE FOLLOWING EQUIPMENT OWNED BY:

### CNC TESTING LABORATORY

265-2, Banjeri, Wongogmyun,  
Ansungsi, Gyeonggi-do, Korea

HAS PASSED CALIBRATION PROCEDURES AS OUTLINED IN:

**ASTM E 1105**

"STANDARD TEST METHOD FOR FIELD DETERMINATION OF WATER  
PENETRATION OF INSTALLED EXTERIOR WINDOWS, SKYLIGHTS, DOORS  
AND CURTAIN WALLS BY UNIFORM OR CYCLIC STATIC AIR PRESSURE  
DIFFERENCE"

**SPRAY RACK NO. 07-126**

**CALIBRATED ON: FEBRUARY 14, 2007**

RECORDS ON FILE: MID AMERICA TESTING LABORATORY

JOB NUMBER: 07002F