



Quality Accuracy Assurance

Fenestration Testing Laboratory, Inc.

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Report Date: 10/7/2015
Completion Date: 8/27/2015
Report Retention Date: 8/27/2019
Page Number: Page 1 of 5
Lab. Number: 8505
Project Number: 15-5995

Acoustical Performance Test Report

MANUFACTURE: Coral Architectural Products

SPECIFICATIONS: ASTM E90-09

ADDRESS: 7704B Industrial Lane
Tampa, Florida 33637

PROJECT: Coral Architectural Products

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Acoustical Test	4	ASTM E90
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DESCRIPTION OF SAMPLE	
Model Designation:	Series: PW257 Impact Curtain Wall
Overall Size:	6'-7" (79") by 6'-7" (79") high
Configuration:	O-O
Weight of Sample:	451 pounds

Frame Corner Construction	Number of Fasteners	Size of Fasteners
Frame upper corners fastened with	Three	14 by 1" HWH SMS
Frame lower corners fastened with	Three	14 by 1" HWH SMS
Vertical mullion fastened with	Three	14 by 1" HWH SMS

Glazing			
Location	Glazing Material	Glazing Compound	Compound Color
Both lites of glass	*1 5/16" nominal insulated laminated glass composed of (1) 1/4" tempered glass on the exterior -1/2" airspace- (2) 1/4" tempered glass interior	**DOW Corning 995	Black
Interlayer Film: *0.090" **DuPont SentryGlas		Laminator: **Coral Industries	
Glazing Method: Exterior glazed with a *0.553" glazing penetration using an extruded aluminum pressure plate and a snap on extruded aluminum pressure plate cover with an **EPDM gasket between glass and pressure plate; and using silicone and a vinyl gasket on the interior. The pressure plate was fastened using a single row of No. 12 by 1 1/4" HWH SDS located 5" on center.			
Daylight Opening:	35 3/4" by 74" high		

Weather Stripping		
Quantity	Description	Location
Single row	**EPDM thermal isolator gasket	Behind each pressure plate
Single row	**EPDM gasket	Between the frame head and pressure plate



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Mullions		
Number and Size	Location	Method of Attachment
One 79" long vertical mullion	39 1/2" from left	Single row of 1/4-20 by 3" HH MS with washer and nut located 1" from each end

Additional Information
The sample was tested using butyl tape at all the frame corners.
The sample was tested using one 3" by 2 11/16" by 0.060" thick aluminum plate below each frame jamb, fastened using two No. 8 by 3/8" PH SDS.
The sample was tested using a snap on extruded aluminum cover at each vertical member.
The sample was tested using a snap on extruded aluminum installation cover at each horizontal member.
The sample was tested using an extruded aluminum filler at each frame jamb, fastened using a single row of No. 12 by 3/4" HWH SDS located 1" from each end.

Sample Installation
The sample was erected into the test wall and wedged into the opening. The sample did not have any installation fasteners.

Equipment			
Instrument	Manufacture	Model	Description
Pressure microphone	Norsonic	1230	Microphone
Oscillating microphone boom	Norsonic	N265	Rotating microphone
Loud speaker	JBL	SR4733X	Speaker
Amplifier system	QSC	RMX1850-HD	Amplifier
Dual band equalizer	DBX	DBX-1231	Equalizer



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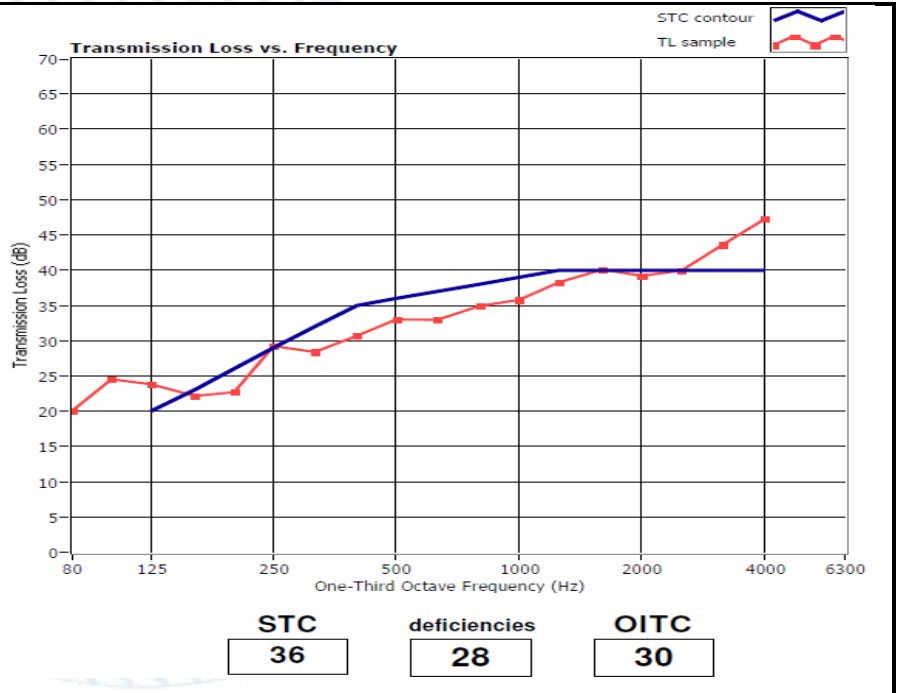
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Test Chamber Dimensions	
Receiving Room	7875 ft ³
Source Room	6840 ft ³

Room Conditions: 25°C R.H: 27% ATM: 1016 hPa

Data Table	TL (db)	deficiencies	95% CI
80	20	-	3.42
100	25	-	2.18
125	24	0	1.42
160	22	1	1.91
200	23	3	1.71
250	29	0	0.84
315	28	4	1.11
400	31	4	0.82
500	33	3	0.91
630	33	4	0.64
800	35	3	0.51
1000	36	3	0.40
1250	38	2	0.33
1600	40	0	0.23
2000	39	1	0.25
2500	40	0	0.42
3150	44	0	0.34
4000	47	0	0.43



REPORT REVISION HISTORY

Rev	Description of Change	Author of Report	Effective Date
0	Initial Release	Ms. Iliana Sanchez	10/7/2015



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REMARKS

*designates measurements by laboratory
**as per manufacturer

Test results obtained represent the actual value of the tested specimen and does not constitute opinion endorsement or certification by this laboratory.

This test report is considered the exclusive property of the client herein and is applicable to the sample tested. This report may not be reproduced without the approval of Fenestration Testing Laboratory, Inc.

Testing was conducted as per instructions received from your company representative.

Laboratory Technician:

Ms. Iliana Sanchez

FENESTRATION TESTING LABORATORY

Mr. Manny Sanchez
Chief Executive Officer