



Panfab Design USA

Series: Panfab Panel Wall System Aluminum Wall Cladding

Series: Panfab EZ Clip System Aluminum Wall Cladding

Miami Dade County Package

Fenestration Testing Laboratory
8148 N.W. 74th Avenue
Medley, Florida 33166
Phone: (305) 885-3328
Fax: (305) 885-3329
Toll: (888) 819-7877

Remote Offices:
Tampa, FL (813) 200-5886

Schaumburg, Illinois (312) 253-7203
Pensacola, FL (850) 454-1734

Las Vegas, NV (702) 922-7142
Houston, TX (281) 763-0401



Quality Accuracy Assurance

Fenestration Testing Laboratory, Inc.

8148 N.W. 74th Avenue Medley, FL 33166 Phone: (305) 885-3328 Fax: (305) 885-3329 (888) 819-7877

e-mail: clientservices@ftl-inc.com www.ftl-inc.com

Cert. No: 16-0425.08
Report Date: 1/3/2017
Completion Date: 9/29/2016
Expiration Date: 9/29/2026
Auth. No: FTL-15051
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Lab. Number: 8888
Project Number: 16-6575

OFFICIAL TEST REPORT

DESCRIPTION OF SAMPLE	
Model Designation:	Series: Panfab EZ Clip System Aluminum Wall Cladding
Overall Size:	9'-7" (115") by 5'-8 1/2" (68 1/2") high
Sample B-1	

Wall Construction

The sample consisted of one 1 1/2" by 6 1/4" by 1 1/2" by 0.048" thick by 112 1/4" long steel channel at the top and bottom.

The sample consisted of a single row of 1/2" by 1 1/2" by 6" by 1 1/2" by 1/2" by 0.048" thick by 67" long vertical studs located 16", 32 1/4", 48 1/4", 64", 80 1/4" and 96 1/4" from left.

The sample consisted of one 1 1/4" by 6 1/4" by 1 1/4" by 0.048" thick by 67" long steel vertical channel located at each end.

The vertical studs were fastened to the top and bottom channel using one No. 6 by 1" FH SDS.

A 5/8" thick plywood was fastened to each vertical stud and vertical channel using a single row of No. 6 by 1 1/4" FH SDS located 12 7/8", 22 1/2", 32 1/2", 41 1/2", 47 1/2", 48 1/2" and 56 3/4" from bottom. The plywood was fastened to the top and bottom channel using a single row of No. 6 by 1 1/4" FH SDS located 12" on center from left.

The top of the sample was fastened to the wood test buck using a single row of No. 10 by 1 1/2" PH SMS located 1", 12", 21 3/8", 32", 43 3/4", 56", 58 5/16", 71 1/8", 83 1/2", 97 1/4", 107 1/4" and 114 1/4" from left.

The wall was installed in a single 2" by 8" yellow pine wood test buck. The vertical studs and channels were fastened to the test buck using a double row of No. 10 by 3" FH wood screws. Location of fasteners are as follows: top and bottom interior row from left 9 3/4", 19 3/4", 29", 43 3/4", 54 7/8", 72", 87" and 98 3/4"; top and bottom exterior row from left 10 1/4", 21", 44 7/8", 57 5/8", 73 1/2", 87 1/2" and 100"; left side interior row from bottom 2", 16 1/2", 28", 40", 52 1/2" and 65 3/4"; left side exterior row from bottom 14 1/2", 27 1/4", 39 3/16", 51 5/8" and 65 1/2"; right side interior row from bottom 1 5/8", 13 1/2", 25 1/2", 37 7/8", 50 3/8" and 65 1/4"; right side exterior row from bottom 2", 13 1/4", 26 1/8", 38 1/2", 52 1/4" and 65 1/2".



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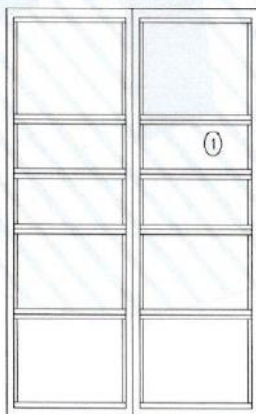
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Sample Installation

The sample was tested using 0.080" thick aluminum panels. The aluminum panel was fastened to the plywood using a single row of No. 6 by 1 1/4" FH dry wall screws located 11 3/4", 22 1/4", 33 1/8", 43 3/4", 54 7/8", 56 5/8", 67 15/16", 78 1/2", 89 3/8" and 99 7/8" from left and 1/2", 13", 25 5/8", 38 5/16", 57 3/8" and 65 1/4" from bottom.

Sample: B-1	Temperature: 76.3°F	Barometric Reading: 29.96 inches Hg	
Notes:			
Title of Test	Pressure	Reading	Results
Air Infiltration Test: (ASTM E283)	6.24 psf	0.01 cfm/sq.ft	Passed

Sample: B-1	Temperature: 80.2°F	Barometric Reading: 30.0 inches Hg				
Title of Test	Positive Pressure	Notes				
Cyclic Wind Load Test	130.0 psf					
						
Range	Cycle	Measured	Reading#	Deflection	Permanent Set	Results
0.0-0.5	600	1.4 sec	1	0.225"	0.005"	Passed
0.0-0.6	70	1.5 sec				
0.0-1.3	1	1.8 sec				



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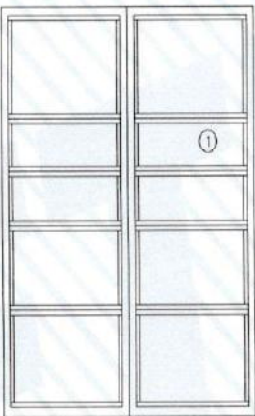
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Sample: B-1	Temperature: 82.4°F	Barometric Reading: 30.0 inches Hg				
Title of Test	Negative Pressure	Notes				
Cyclic Wind Load Test	130.0 psf					
						
Range	Cycle	Measured	Reading#	Deflection	Permanent Set	Results
0.0-0.5	600	1.9 sec	1	0.283"	0.008"	Passed
0.0-0.6	70	2.0 sec				
0.0-1.3	1	2.1 sec				

Witnessed by:
(All or Partial Viewing)
Ms. Idalmis Ortega, FTL P.E.

FENESTRATION TESTING LABORATORY, INC.

Technicians:
Mr. Jose Sanchez
Mr. Yoenis Gonzalez


Mr. Manny Sanchez
Chief Executive Officer