



Product Report

Manufacturer: Petersen Aluminum Corporation

102 Northpoint Parkway
 Building 106
 Acworth, GA 30102
 (800) 272-4482

Florida Product Approval # 23157

Soffit Panels

NON-HVHZ

Compliant with Florida Building Code 2023 (8TH ED.) FBC 2023 Sec. 1709.10, Sec. 1404.5, Sec. 1405.2, 1405.11

Compliant with Florida Product Approval Rule # 61G20-3

Compliant Quality Assurance Program: UL LLC

FL 22157.2 Product: Flush Panel (0.040")

12" wide x 0 .040" Aluminum Soffit Panel NON-HVHZ

Attached to 16GA support member or equivalent substrate secured with fasteners through the long lap leg, and side lap stitch fasteners in vertical legs. FBC Sec. 1405.11.1 & .2 Corrosion Resistant, additional requirement of (4) fasteners if the area supported exceeds (4) square feet. Panels are 12" wide with 1" right angle vertical legs, configured with nesting capabilities. Corrosion Resistant Fasteners #10 x 1" Pancake Head, galvanized or stainless, fastened at each support to 16 GA Zeebar substrate or equivalent, #14 x 7/8" lap fastener at 24" o.c. No pressure equalization factors have been used in analysis and panel may be used as a wall panel. Applicable load tables included from testing and Petersen Aluminum Corporation.

MATERIAL:	.032" ALUM		.040" ALUM		24GA STEEL		22GA STEEL	
PANEL SPANS:	12"	48"	12"	48"	24"	60"	24"	60"
ULTIMATE PSF LOAD/ 2.0 SAFETY FACTOR*	-84/-40	-50/-25	-290/-145	-80/-40	-165/-82.5	-100/-50	-210/-105	-140/-70

Limitations and Conditions of Use:

1. Products herein this report are compliant with current Florida Building Code (FBC) 2023 8TH ed.
2. Install in compliance with FBC 2023 ., Install per Manufacturer's installation reference.
3. Product compliant for State of Florida product approval per Rule 61G20-3. Compliance Method: 1-D
4. Engineering analysis for "project specific project approval" to determine appropriate wind safety factors; is allowed by other Florida licensed professionals.
5. Fire classification is not part of this acceptance. Shear diaphragm values are outside this report.
6. Support framing compliant w/FBC 2023 8TH ed., Chapter 22 for Steel, Chapter 23 for Wood and Chapter 16 for Structural Loading.
7. This report does not imply warranty, installation, recommended product use outside of this report.

Test References:

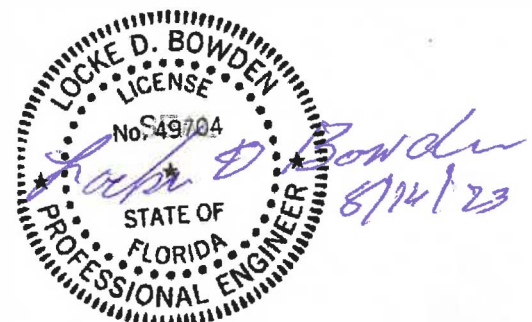
Fenestration Testing Lab TST 1657 Test # 7584-A ASTM 1592-05¹(2012)

EQUIVALENCY: ASTM E 1592-05, test standards are equivalent to ASTM E 1592-2015 test standards

Certificate of Independence:

Locke Bowden, P.E. does not have, not will acquire a financial interest in any company manufacturing or distributing products under this evaluation.

Locke Bowden, P.E. is not owned, operated or controlled by any company manufacturing or distributing products under this report.





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@fenlab.com www.ftl-inc.com

Certificate Number TST1657
 Report Date: 1/8/2014
 Completion Date: 12/23/2014
 Expiration Date: 12/23/2024
 Lab Number: 7584
 Project Number: 13-4858

OFFICIAL TEST REPORT

Aluminum Flush Panel
12" wide by 0.040" thick

Purlin Span		Loads (psf)	
ft	in	Test	Allowed
1.00	12	290	176
1.50	18		160
2.00	24		144
2.50	30		128
3.00	36		112
3.50	42		96
4.00	48	80	48

Design Load Safety Factor of 1.65

NOTES:

1. Tested in accordance with ASTM E 1592-05 Air Bag testing, negative uplift.
2. Intermediate values based on linear interpolation from tested values.
3. Actual testing conducted at 1'-0" and 4'-0" spacing.

Aluminum Flush Panel
12" wide by 0.040" thick

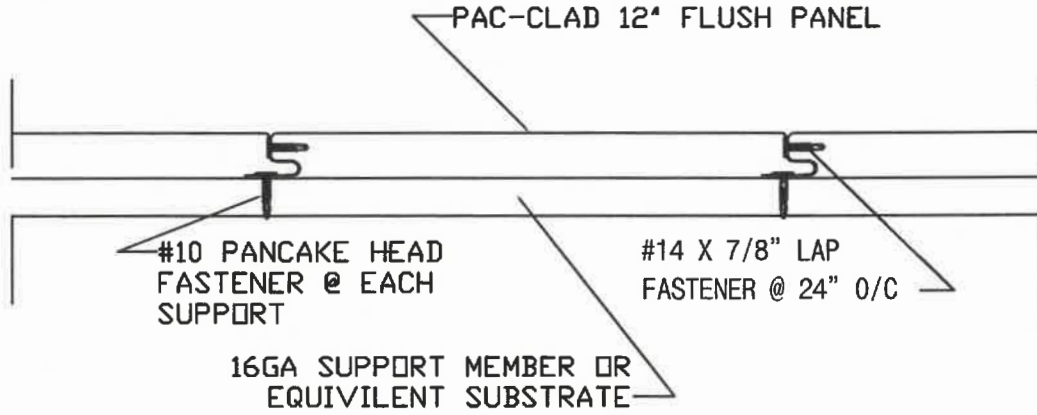
Purlin Span		Loads (psf)	
ft	in	Test	Allowed
1.00	12	290	145
1.50	18		132
2.00	24		119
2.50	30		106
3.00	36		93
3.50	42		79
4.00	48	80	40

Design Load Safety Factor of 2.0

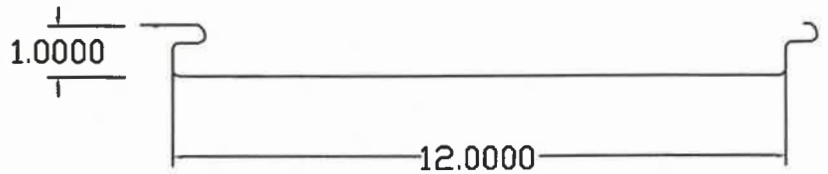
NOTES:

4. Tested in accordance with ASTM E 1592-05 Air Bag testing, negative uplift.
5. Intermediate values based on linear interpolation from tested values.
6. Actual testing conducted at 1'-0" and 4'-0" spacing.

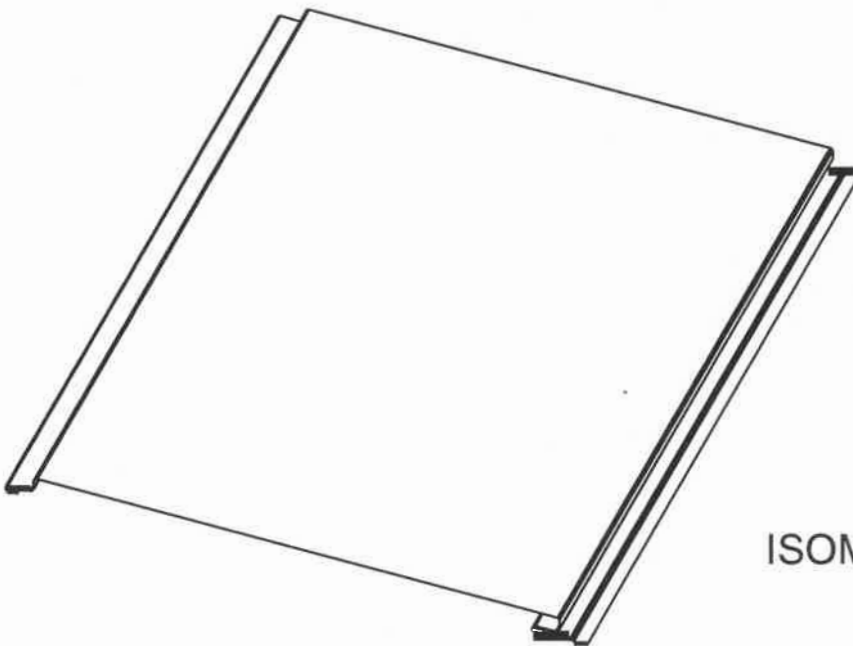
FLUSH PANEL r.05/14



ATTACHMENT DETAIL



DIMENSIONS



ISOMETRIC VIEW

*optional pencil ribs available