PAC-CLAD® PETERSEN

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

Florida Product Approval # 23157 | **Soffit Panels** | **NON-HVHZ**

Compliant with Florida Building Code 2017 (6th ed.) FBC 2017 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 23157 Product: Flush Panel (24GA) | **12" wide x 24 GA Steel Soffit Panel**

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 Compliant 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 are 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 SAFTEY FACTOR*	-84/-40	-50/-25	-290/-145	-80/-40	-165/-82.5	-100/-50	-210/-105	-140/-70

*Additional attached Load Tables include Varying Margin of Safety Factors

Limitations and Conditions of Use:

1. Products herein this report are compliant with current Florida Building Code (FBC)2017 6TH ed.
2. Install in compliance with Florida Building Code 2017 6th ed., and Install per with Manufacturer's installation reference.
3. Products are 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 in compliance w/FBC 2017 6th 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.
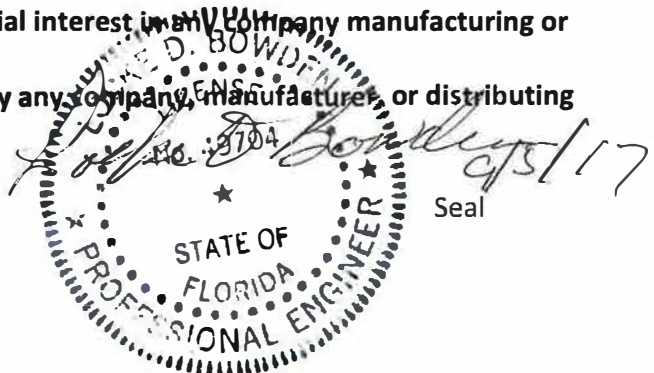
Test References:

Fenestration Testing Lab TST 1657 Test # 7659   ASTM 1592-05[1](2012)
EQUIVALENCY: ASTM E 1592-05, test standards are equivalent to ASTM E 1592-2012 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, manufacturer, or distributing products under this report.

Seal

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:	3/26/2014
Completion Date:	3/20/2014
Expiration Date:	3/20/2024
Lab Number:	7659
Project Number:	13-4858

OFFICIAL TEST REPORT

Steel Flush Panel
12" wide by 24 gauge thick

Purlin Span		Loads (psf)	
ft	in	Test	Allowed
2.00	**24**	**165**	**100**
2.50	30		93
3.00	36		87
3.50	42		80
4.00	48		74
4.50	54		67
5.00	60	**100**	61

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 2'-0" and 5'-0" spacing.

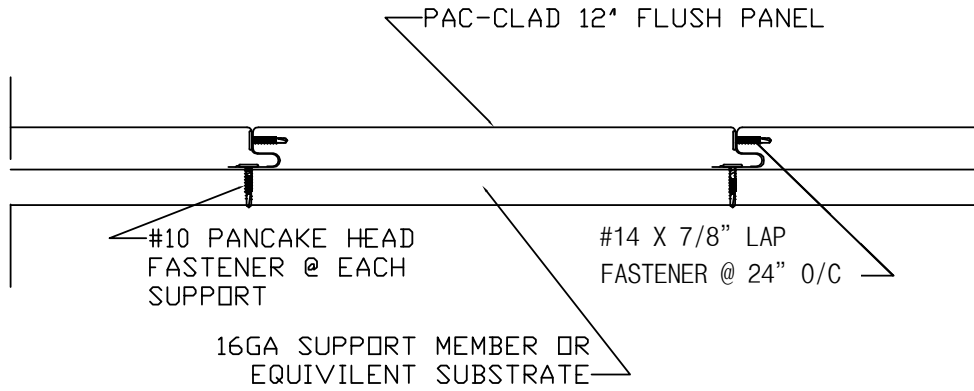**Steel Flush Panel**
12" wide by 24 gauge thick

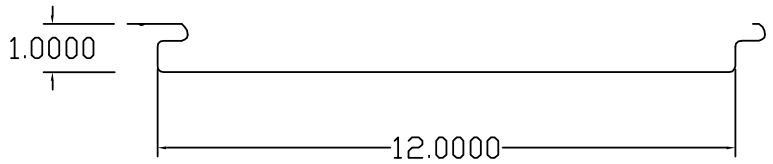| Purlin Span		Loads (psf)	
ft	in	Test	Allowed
2.00	**24**	**165**	**83**
2.50	30		77
3.00	36		72
3.50	42		66
4.00	48		61
4.50	54		55
5.00	60	**100**	50

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.
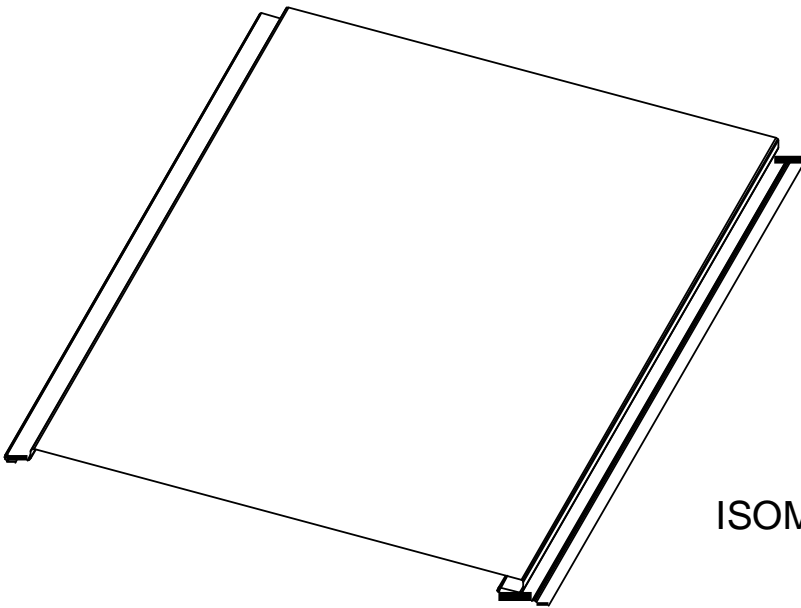6. Actual testing conducted at 2'-0" and 5'-0" spacing.

PAC-CLAD FLUSH PANEL r.05/14

PAC-CLAD 12" FLUSH PANEL

#10 PANCAKE HEAD
FASTENER @ EACH
SUPPORT

#14 X 7/8" LAP
FASTENER @ 24" O/C

16GA SUPPORT MEMBER OR
EQUIVILENT SUBSTRATE

ATTACHMENT DETAIL

1.0000

12.0000

DIMENSIONS

ISOMETRIC VIEW

*optional pencil ribs available