

**EVALUATION REPORT OF
IMETCO'S
'SUPER FLUSH LOCK ALUMINUM PANEL'**

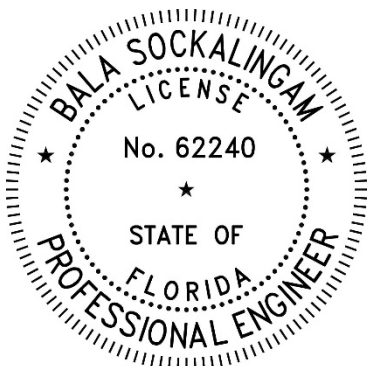
**FLORIDA BUILDING CODE 8TH EDITION (2023)
FLORIDA PRODUCT APPROVAL
FL 41628.2-R1
PANEL WALLS
SIDING**

**Prepared For:
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**This report consists of
Evaluation Report (2 Pages including cover)
Installation Details (1 Page)**

**Report No. C2691-2
Date: 7.24.2023**



This item has been digitally signed and sealed by Bala Sockalingam, PE, on the date indicated.

Printed copies of this document are not considered signed and sealed and this signature must be verified on any electronic copies.

**2023.07.24
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Manufacturer: IMETCO

Product Name: Super Flush Lock

Panel Description: 12" wide coverage with 3/4" tall ribs

Materials: Nom. 0.050" thick (min.) 3105-H14 Alloy (ASTM B209) per FBC 2023 Section 1405.2.

Support Description: Min. 16 ga., min 50 ksi, min 6" Cee steel section spaced at 16" o.c. Must be designed by others. 22 ga. B-Decks are fastened to interior flange of Cee section with #12-14 x 3/4" long self-drilling screw at 6" o.c. A layer of 4" thick spray foam insulation are applied to the wall over B-Deck and between the studs. A layer of 40 mil liquid applied membrane are then applied over the spray foam insulation.

Design Pressure: ± 132.42 psf at clip spacing of 16" o.c.

Panel Attachment: 20 ga. concealed SFL clips (5" long, 2.875" wide and 0.625" high). Fastened to min 16 ga. supports with (2) #12-14 x 3/4" long pancake head self-drilling screw per clip. Clips and fasteners are corrosion resistant.

Test Standards: Wall assembly tested in accordance with ASTM E330-02 'Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference.'

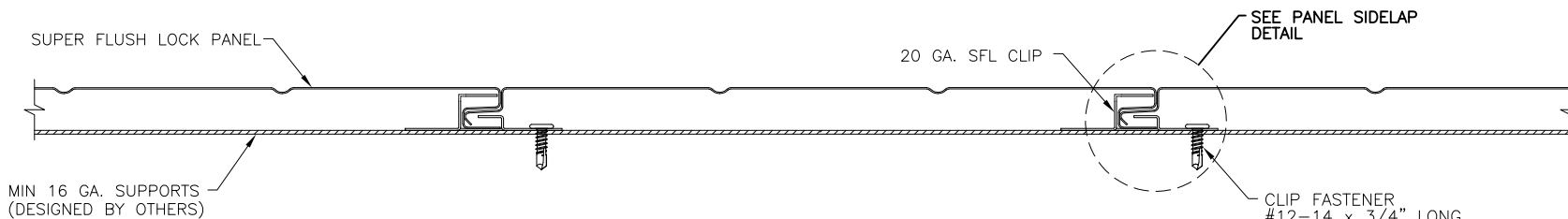
Test Equivalency: The test procedure in ASTM E330-02 complies with test procedure prescribed in ASTM E330-14.

Code Compliance: The product described herein has demonstrated compliance with FBC 2023 Section 1404.5.

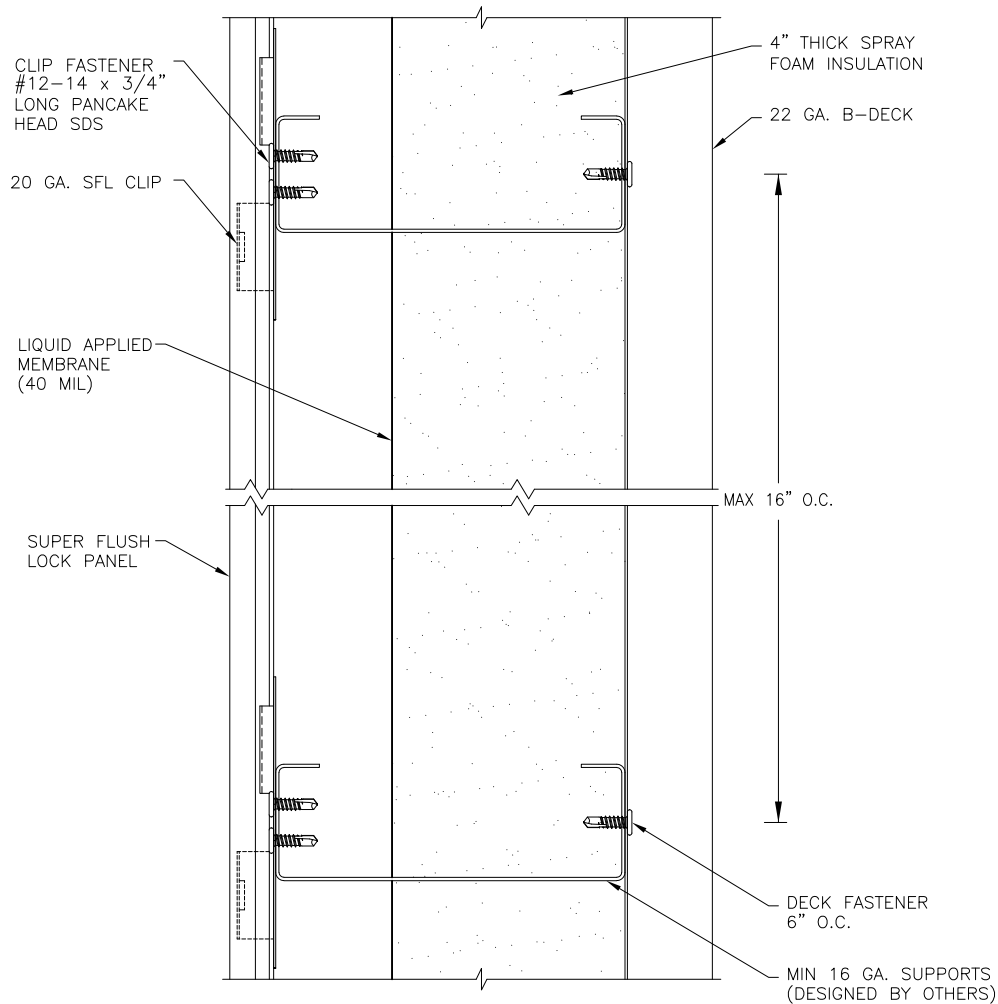
Product Limitations: Design wind loads shall be determined for each project in accordance with FBC 2023 Section 1609 or ASCE 7-22 using allowable stress design. The maximum clip spacing listed herein shall not be exceeded. The design pressure for reduced clip spacing may be computed using rational analysis prepared by a Florida Professional Engineer. This evaluation report is not applicable in High Velocity Hurricane Zone.

Supporting Documents: ASTM E330 Test Reports
Intertek Testing Services (Formerly Architectural Testing Inc.)
87791.02-109-44, Reporting Date 1/28/2009

(IMETCO is authorized to use Merchant & Evans, Inc.'s Test Report)



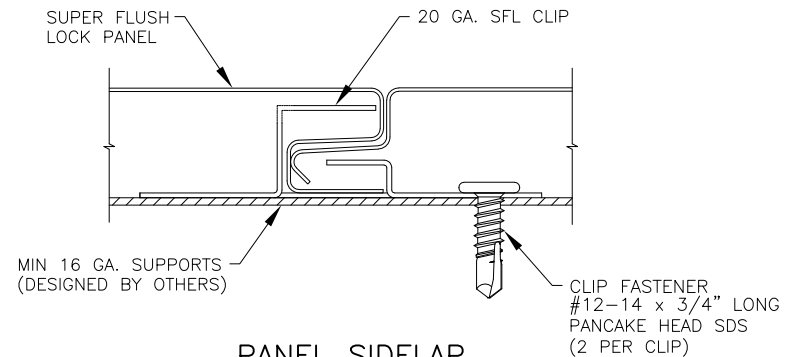
TYPICAL PANEL INSTALLATION X-SECTION



SECTION VIEW

GENERAL NOTES:

1. WALL PANEL HAS BEEN DESIGNED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE (FBC).
2. WALL PANELS SHALL BE 0.050" THICK ALUMINUM. EFFECTIVE COVERING WIDTH OF PANEL = 12".
3. THE WALL PANELS SHALL BE INSTALLED OVER STRUCTURE AS SPECIFIED ON THIS DRAWING.
4. REQUIRED DESIGN WIND LOADS SHALL BE DETERMINED FOR EACH PROJECT. THIS PANEL SYSTEM MAY NOT BE INSTALLED WHEN THE REQUIRED DESIGN WIND LOADS ARE GREATER THAN THE ALLOWABLE DESIGN LOADS.
5. ALL FASTENERS MUST BE IN ACCORDANCE WITH THIS DRAWING & THE FLORIDA BUILDING CODE. IF A DIFFERENCE OCCURS BETWEEN THE MINIMUM REQUIREMENTS OF THIS DRAWING & THE CODE, THE CODE SHALL CONTROL.
6. SUPPORTS MUST BE DESIGNED TO WITHSTAND WIND LOADS AS REQUIRED REQUIRED FOR EACH APPLICATION AND ARE THE RESPONSIBILITY OF OTHERS.
7. PANELS MAY SPAN BETWEEN BOTTOM AND TOP SUPPORTS (WALL APPLICATION WITH PANELS ORIENTED VERTICALLY), SIDE TO SIDE BETWEEN CORNER SUPPORTS (WALL APPLICATION WITH PANELS ORIENTED HORIZONTALLY) OR UNDER ROOF (SOFFIT APPLICATION WITH PAINTED SURFACE FACING DOWNWARD).



PANEL SIDELAP

DRAWN BY: B.S.		CHECKED BY: T.D.	
PLOT:		DATE: 8/5/22	
NO.	REVISION DESCRIPTION	BY	DATE
DRAWING TITLE SUPER FLUSH LOCK ALUMINUM PANEL			
CONSULTANTS BALA SOCKALINGAM, PH.D., P.E. 1216 N LANSING AVE, SUITE C TULSA, OK 74106 PHONE: 918-492-9992 FAX: 866-366-1543		MANUFACTURER IMETCO 4648 SOUTH OLD PEACHTREE NORCROSS, GA 30071 800-646-3826	
DRAWING NO. 2691-2		REV.	
SHEET NO. 1		OF 1	