

**EVALUATION REPORT OF
BOSS METAL, INC.
'0.04" THICK ALUMINUM BOSS ZIP PANEL'**

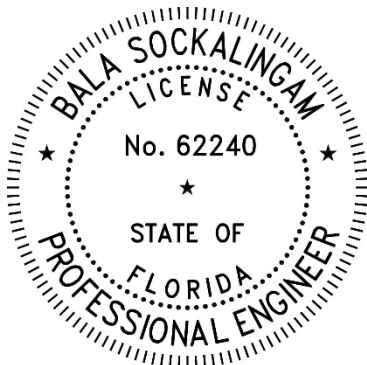
**FLORIDA BUILDING CODE 9TH EDITION (2026)
FLORIDA PRODUCT APPROVAL
FL 19624.2-R4
ROOFING
METAL ROOFING**

**Prepared For:
Boss Metals, Inc.
1750 Frankford Ave
Panama City, FL 32405
Telephone: (850) 481-5629**

**Prepared By:
Bala Sockalingam, Ph.D., P.E.
Florida Professional Engineer #62240
1216 N Lansing Ave., Suite C
Tulsa, OK 74106
Telephone: (918) 492-5992**

**This report consists of
Evaluation Report (3 Pages including cover)
Installation Details (1 Page)
Load Span Table (1 Page)**

**Report No. C3086-2
Date: 10.10.2026**



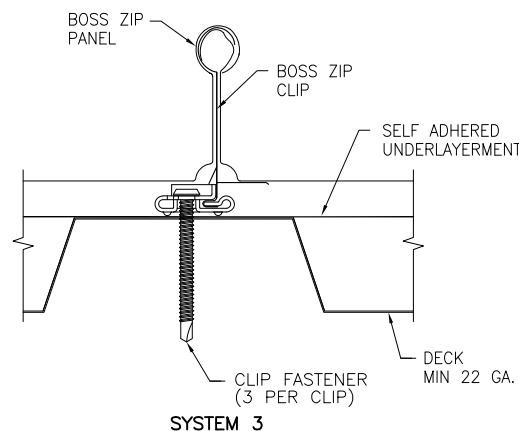
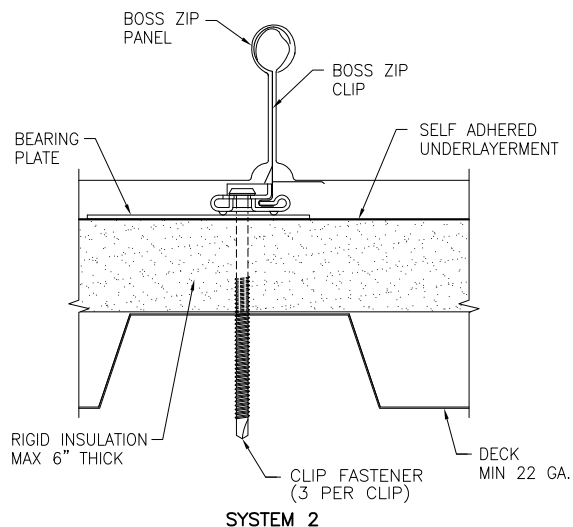
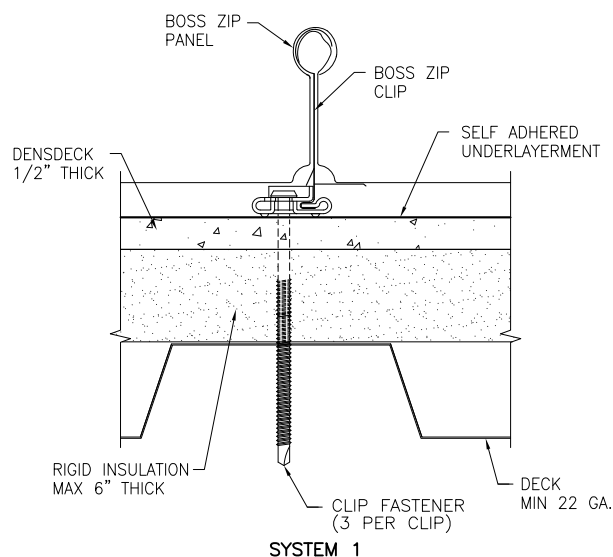
This item has been digitally signed and sealed by Bala Sockalingam, PE, on the date indicated.

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

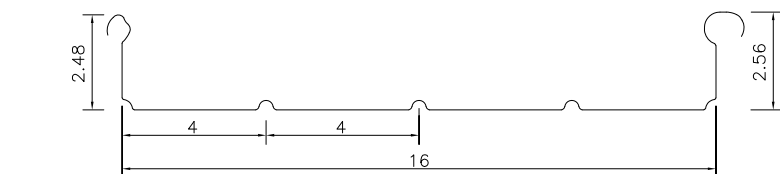
**2026.10.10
15:22:03
-05'00'**

System 1	Panels fastened with Boss Zip clips and (3) fasteners per clip through underlayment, DensDeck and insulation into deck.
System 2	Panels fastened with Boss Zip clips and (3) fasteners per clip through bearing plate, underlayment and insulation into deck.
System 3	Panels fastened with Boss Zip clips and (3) fasteners per clip through underlayment into deck.
Test Standards:	Roof assembly tested in accordance with UL 580-06 'Uplift Resistance of Roof Assemblies' and UL 1897-15 'Uplift Tests for Roof Covering Systems'.
Code Compliance:	The product described herein has demonstrated compliance with FBC 2026 Section 1507.4
Product Limitations:	Design wind loads shall be determined for each project in accordance with FBC 2026 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 or based on Boss Metals load span table. This evaluation report is not applicable in High Velocity Hurricane Zone. Fire classification is not within scope of this Evaluation Report. Refer to FBC 2026 Section 1505 and current approved roofing materials directory or ASTM E108/UL790 report from an accredited laboratory for fire ratings of this product. Metal ridge and hip covers shall comply with FBC Section 1504.3.1.1 and is not within the scope of this Evaluation Report. Compliance shall be obtained through other approved product subcategory.
Supporting Documents:	UL580 & UL1897 Test Report Farabaugh Engineering and Testing Inc. Project No. T132-24, Reporting Date 2/22/2024

Manufacturer:	Boss Metal, Inc.
Product Name:	Boss Zip Panel
Panel Description:	Standing seam panel with 16" wide coverage and 2-1/2" high ribs
Materials:	Min nominal 0.04" thick aluminum (ASTM B209) as per FBC 2026 Section 1507.4.3. Minimum yield stress $F_y = 17$ ksi.
Deck Description:	Min. 22 ga., Grade 50 B-deck. The deck and its attachment to supports must be designed by others to carry the panel loads. Designed as per FBC 2026.
Insulation (Optional):	6" thick (max.) rigid board insulation
Substructure (Optional):	A layer of 1/2" thick reinforced DensDeck mineral board fastened through insulation into deck in accordance with manufacturer's installation instructions.
Bearing Plate (Optional):	4" x 5" x 20 ga. bearing plate. Fastened with clip fasteners through underlayment and rigid insulation into deck.
Underlayment:	Self-adhering polymer modified bitumen underlayment as per FBC 2026 Section 1507.1.1.1.
Slope:	1/4:12 or greater in accordance with FBC 2026 Section 1507.4.2.
Design Uplift Pressure: (Safety Factor = 2)	107.4 psf at clip spacing of 36" o.c. 205.4 psf at clip spacing of 12" o.c.
Panel Attachment:	Boss Zip clips are two piece sliding clips with 4-1/4" long, 22 ga. stainless steel clip tab and 3-3/8" long, 16 ga. galvanized steel base. Total height of clip is 3". Clip fasteners are #14-13 DP1 pancake head self-drilling screws and shall be of sufficient length to penetrate through the deck a minimum of 1/2". Clips and fasteners are corrosion resistant as per FBC 2026 Section 1506.7 and 1507.4.4, respectively. For installation in areas within 3000 ft. of a saltwater coastline, clips and fasteners are corrosion resistant as per FBC 2026 Section 1711. Panel sidelaps are seamed with mechanical seamer.



CLIP SECTION VIEW
DETAIL 1



(ALL DIMENSIONS IN INCHES)

PANEL SECTION
(MIN 0.04" THICK ALUMINUM)

1. ARCHITECTURAL STANDING SEAM ROOF PANEL HAS BEEN DESIGNED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE (FBC).
2. ROOF PANELS SHALL BE NOM. 0.04" THICK ALUMINUM. EFFECTIVE COVERING WIDTH OF PANEL = 16".
3. THE ROOF 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 WIND LOADS SPECIFIED ON THIS DRAWING.
5. CLIPS AND FASTENERS MUST BE IN ACCORDANCE WITH THIS DRAWING & FLORIDA BUILDING CODE.
6. DECK AND SUPPORTS MUST BE DESIGNED TO WITHSTAND WIND LOADS AS REQUIRED FOR EACH APPLICATION AND ARE THE RESPONSIBILITY OF OTHERS.

[illegible]

BOSS METAL, INC.
Boss Zip Panel Allowable Uplift Loads
(Min. Nominal 0.04" thick)

Description	Clip Spacing along Panel Length (in)	Allowable Uplift Load (psf)
Coverage width: 16" Clip: Boss Zip Clip Clip Fastener: (3) #14-13 pancake head self drilling screws	12	205.4
	15	193.2
	18	180.9
	21	168.7
	24	156.4
	27	143.2
	30	128.9
	33	117.2
	36	107.4

Notes:

1. The bold numbers indicate design loads calculated from test data with safety factor of 2.
2. Panels must be installed as per Evaluation Report FL 19624.2 and Boss Metals current installation procedure.
3. Three or more spans condition.