

Evaluation Report

"CMP S2500"

Metal Roof Assembly

Manufacturer:

Construction Metal Products (CMP) c/o Gibraltar Metal Building Envelope

2204 W Front Street,

Statesville, NC 28677

(800) 874-0335

for

Florida Product Approval

FL 47878.1

Florida Building Code 8th Edition (2023)

Method: 1 - D

Category: Roofing

Sub - Category: Metal Roofing

Outside HVHZ

Product: "CMP S2500" Roof Panel

Material: Aluminum

Panel Thickness: 0.032"

Panel Width: 16"

Support: Steel Deck

This item has been digitally signed and sealed by James L. Buckner, P.E., on this date below. Printed copies of this document are not considered signed and sealed, and the signature must be verified on any electronic copies.

Prepared by:

James L. Buckner, P.E., SECB

Florida Professional Engineer # 31242

Florida Evaluation ANE ID: 1916

Project Manager: Diana Galloway

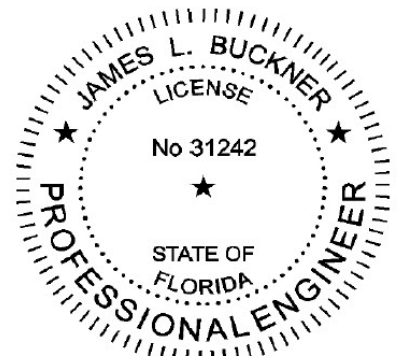
Report No. 25-774-S2500-A3S-ER (*new*)

Date: 10/16/2025

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James L. Buckner, P.E.

FL31242

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Manufacturer:	Construction Metal Products (CMP) c/o Gibraltar Metal Building Envelope 2204 W Front Street, Statesville, NC 28677 (800) 874-0335 https://gibraltarbuildingproducts.com	
Product Name:	"CMP S2500"	
Product Category:	Roofing	
Product Sub-Category	Metal Roofing	
Compliance Method:	State Product Approval Rule 61G20-3.005 (1) (d)	
Product/System Description:	"CMP S2500" Roof Panel 0.032" Aluminum standing seam roof panel mechanically attached to Steel Deck with panel clips & screws.	
Product Assembly as Evaluated:	Refer to Page 4 of this report for product assembly components/materials & standards: 1. Roof Panel 2. Panel Clip 3. Fasteners 4. Underlayment	
Support:	Type: Steel Deck (Design of support s outside the scope of this evaluation.) Description: • Thickness: 22 gauge minimum • Yield strength: 33 ksi minimum	
Slope:	Minimum slope shall be: 1/2 : 12 or greater In compliance with FBC Chapter 15 based on the type of roof covering, applicable code sections and in accordance with manufacturer's recommendations.	
Performance:	Wind Uplift Resistance: • Design Uplift Pressure: <i>Allowable design pressure(s) for allowable stress design (ASD)</i>	REFER TO TABLE "A"

**Performance
Standards:**

The product described herein has demonstrated compliance with:

- UL 1897-15 – *Uplift test for roof covering systems*

Code Compliance:

The product(s) described herein have demonstrated compliance with the performance standards listed above as referenced in the Florida Building Code 8th Edition (2023)
For use: Outside HVHZ

**Evaluation Report
Scope:**

This product evaluation is limited to compliance with the structural requirements of the Florida Building Code, as related to the scope section to Florida Product Approval Rule 61G20-3.001.

**Limitations and
Conditions of Use:**

- Scope of “Limitations and Conditions of Use” for this evaluation:
This evaluation report for “Optional Statewide Approval” contains technical documentation, specifications and installation method(s) which include “Limitations and Conditions of Use” throughout the report in accordance with Rule 61G20-3.005. Per Rule 61G20-3.004, the Florida Building Commission is the authority to approve products under “Optional Statewide Approval”.
- Option for application outside “Limitations and Conditions of Use”
Rule 61G20-3.005(1)(e) allows engineering analysis for “project specific approval by the local authorities having jurisdiction in accordance with the alternate methods and materials authorized in the Code”. Any modification of the product as evaluated in this report and approved by the Florida Building Commission is outside the scope of this evaluation and will be the responsibility of others.
- Design of support system is outside the scope of this report.
- All metal components and fasteners shall be corrosion resistant in accordance with applicable sections of FBC, including but not limited to Sections 1504.3.2, 1506.6 and 1507.4.4.
- Fire Classification is outside the scope of Rule 61G20-3, and is therefore not included in this evaluation.
- This evaluation report does not evaluate the use of this product for use in the High Velocity Hurricane Zone code section. (Dade & Broward Counties)

Quality Assurance:

The manufacturer has demonstrated compliance of roof panel products in accordance with the Florida Building Code and Rule 61G20-3.0005 (3) for manufacturing under a quality assurance program audited by an approved quality assurance entity through Farabaugh Engineering & Testing, Inc. (FBC Organization ID# QUA 7733).

**Components/Materials
(by Manufacturer):**

Roof Panel: CMP S2500
Material: Aluminum
Thickness: 0.032" (min.)
Panel Widths: 16" (max.) Coverage
Rib Height: 2"
Specification: ASTM B209
Corrosion Resistance: Per FBC Section 1507.4.3

Roof Panel Clips:

Product Name: "S2500 Expansion Clip"
Type: Two-piece, sliding clip
Material: Galvanized Steel Base w/Stainless Steel Stem
Thickness: Clip Top: 24 Gauge Stainless Steel
Clip Base: 18 Gauge Galvanized Steel
Yield Strength: 40 ksi min.
Dimensions: 1-3/4" x 5"
Corrosion Resistance: Per FBC Section 1506.7

Fastener:

Type: Pancake-Head Self-Drilling Screw
Size : #14 -13 x 2"
Corrosion Resistance: Per FBC Section 1506.6 and 1507.4.4
Standard: Per SAE J78-1979

**Components &
Materials:
(by Others)**

Underlayment:

Type: Peel & Stick
Application Type: Self Adhered

Material and application shall be in compliance with FBC Section 1507.1.1 and in accordance with applicable code sections and manufacturer's recommendations.

Installation:

Installation Method:

(Refer to "TABLE A" below and drawings at the end of this report.)

- Clip Spacing: **Refer to "TABLE A" Below**
(along the length of the panel)
- Three (3) fasteners per Clip
- Rib Interlock: Mechanically seamed 180° (DOUBLE-LOCK)
- Minimum fastener penetration thru bottom of support, 1/2".
- For panel construction at the end of panels, refer to manufacturer's instructions and any site specific design.

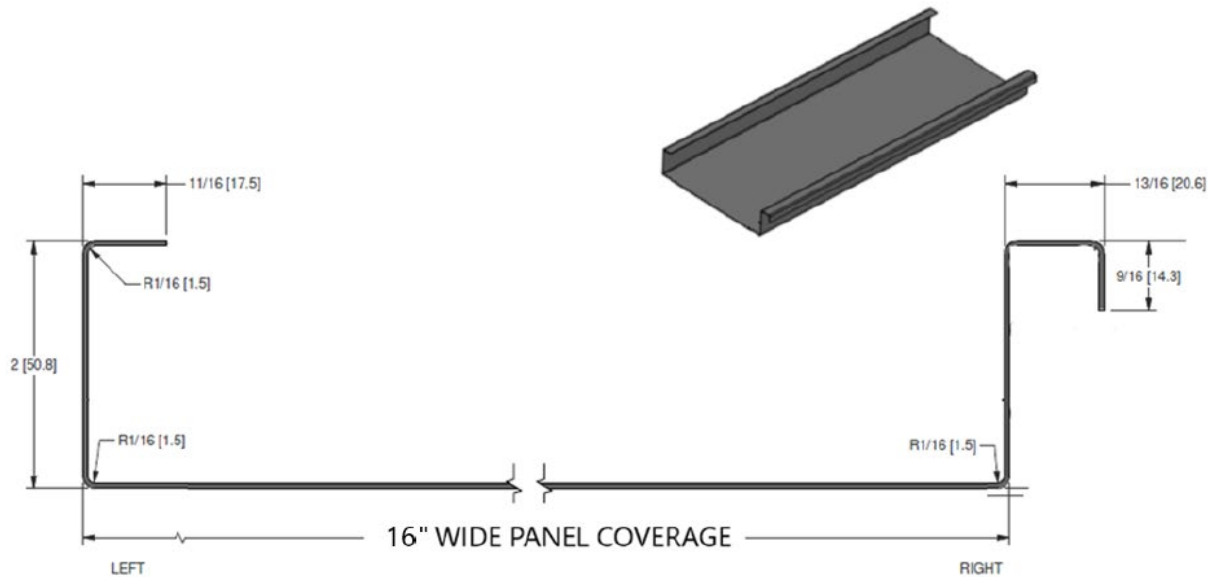
TABLE "A" CMP S2500, .032" ALUM ATTACHED TO 22 GA. STEEL DECK ALLOWABLE LOADS		
	METHOD 1	METHOD 2
Design Pressure:	- 45.5 PSF	- 102.2 PSF
Clip Spacing:	60"	12"
# of Fasteners per Clip:	3	3
Panel Seam:	180°	180°
Notes: • Allowable design pressure(s) for allowable stress design (ASD).		

Install the "CMP S2500" roof panel assembly in compliance with the installation method listed in this report and applicable code sections of FBC 8th Edition (2023). The installation method described herein is in accordance with the scope of this evaluation report. Refer to manufacturer's installation instructions as a supplemental guide for attachment.

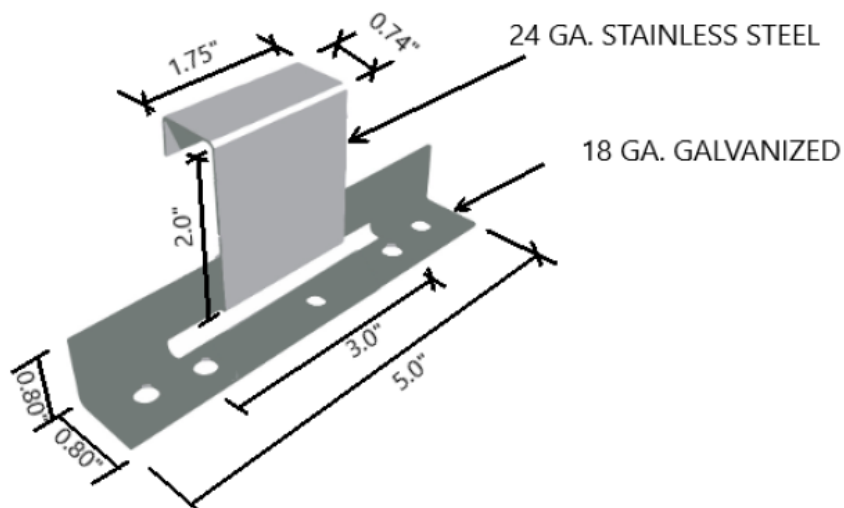
Referenced Data:

1. UL1897 Uplift Test
By Farabaugh Engineering & Testing, Inc. (FBC Organization ID# TST 1654)
Project #T217-23 (CMP) Date: 7/18/23
2. Quality Assurance
Farabaugh Engineering & Testing, Inc. (FBC Organization ID# QUA 7733)
Construction Metal Products (CMP)
3. Authorization to Use Engineering Data
4. Certification of Independence
By James L. Buckner, P.E. @ CBLUE Engineering
(FBC Organization # ANE 1916)

Installation Method Gibraltar, Metal Building Envelope "CMP S2500" (0.032" Aluminum) Roof Panel attached to Steel Deck

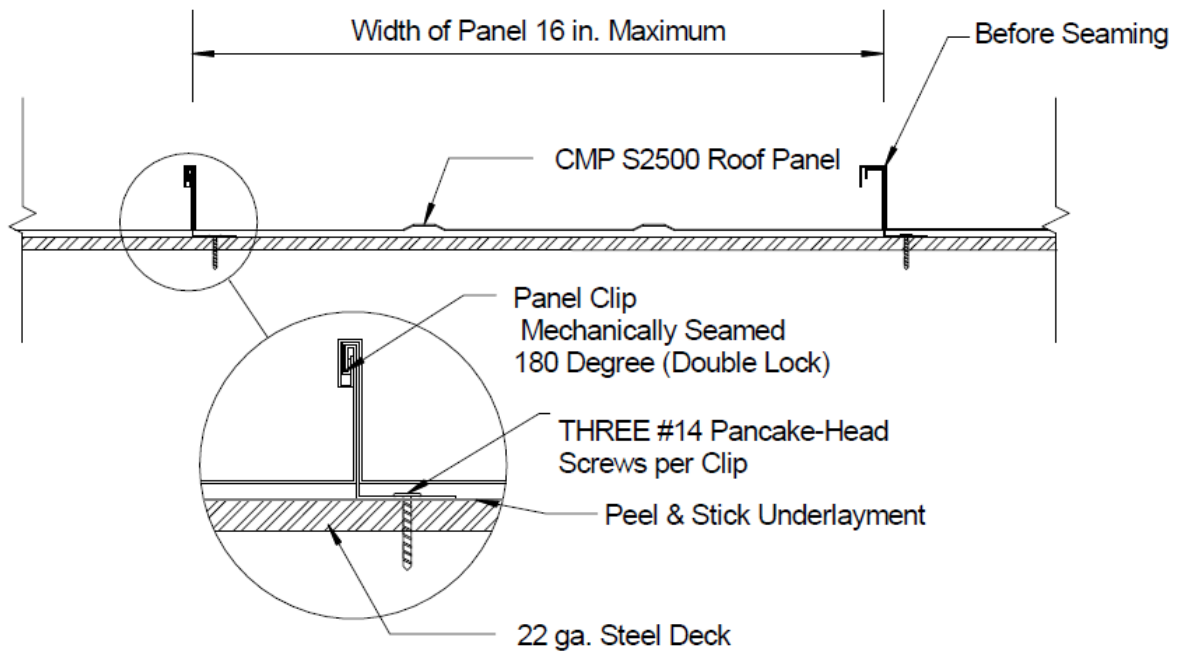


Typical Panel Profile

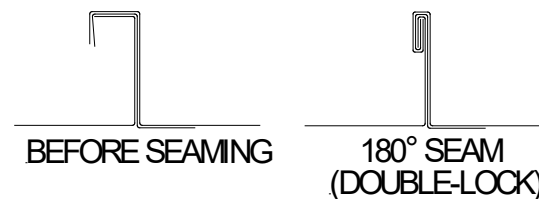


Panel Clip Profile
"Expansion Clip"
(2 Piece Sliding Clip)

Installation Method Gibraltar, Metal Building Envelope "CMP S2500" (0.032" Aluminum) Roof Panel attached to Steel Deck



Typical Assembly Profile View (Typical Fastening Pattern Across Width)



Typical Panel Seams

TABLE "A"		
CMP S2500, .032" ALUM ATTACHED TO 22 GA. STEEL DECK		
ALLOWABLE LOADS		
	METHOD 1	METHOD 2
Design Pressure:	- 45.5 PSF	- 102.2 PSF
Clip Spacing:	60"	12"
# of Fasteners per Clip:	3	3
Panel Seam:	180°	180°