

**EVALUATION REPORT OF
CORNERSTONE BUILDING BRANDS
'NOM 0.032" THICK ALUMINUM IMAGE II PANEL'**

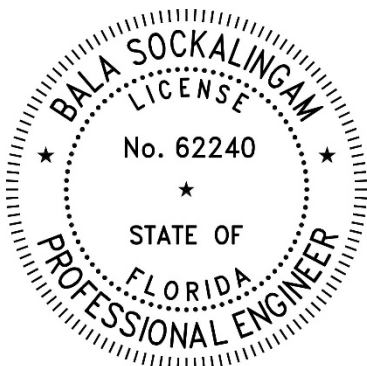
**FLORIDA BUILDING CODE 9TH EDITION (2026)
FLORIDA PRODUCT APPROVAL
FL 48220.5-R1
ROOFING
METAL ROOFING**

Prepared For:
Cornerstone Building Brands
(Fortify, ABC, Ceco, MBCI, Metal Sales, Metallic, Mueller, Robertson, Star, Union)
5020 Weston Parkway
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Prepared By:
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This report consists of
Evaluation Report (3 Pages including cover)
Installation Details (1 Page)
Load Span Table (1 Page)

Report No. C3063-5
Date: 10.14.2026



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

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Manufacturer:	Cornerstone Building Brands (Fortify, ABC, Ceko, MBCI, Metal Sales, Metallic, Mueller, Robertson, Star, Union)
Manufacturing Location:	Union - 490 Oak Rd., Ocala, FL 34472
Product Name:	Aluminum Image II
Panel Description:	Max. 16" wide coverage with 1" high ribs
Materials:	Min. nominal 0.032" thick 3004-H14 or 3105-H24 Alloy (ASTM B209) as per FBC 2026 Section 1507.4.3. Pre-painted panels are required for use with adhesive and support strap.
Deck Description:	Min. 15/32" thick Plywood or min. 3/4" thick wood plank (min SG of 0.42) for new and existing constructions. Designed and installed as per FBC 2026.
Deck Attachment:	Minimum attachment: 8d x 2.5" long ring shank nails or #8 x 2" long wood screws at 6" o.c. in the plywood field and edges. Deck fastener spacing at 3" o.c. in the plywood field and edges for roof zones installed with support strap. Designed as per FBC 2026.
New Underlayment:	Minimum underlayment as per FBC 2026 Section 1507.4.5.1.
Existing Underlayment: (Optional)	One layer of asphalt shingles over one layer of #30 felt. For reroofing construction only.
Slope:	1/2:12 or greater in accordance with FBC 2026 Section 1507.4.2. Requires applied lap sealant for roof slopes less than 3:12.
Design Uplift Pressure: (Factor of Safety = 2)	33.3 psf at fastener spacing of 24" o.c. 93.5 psf at fastener spacing of 6" o.c. 138.5 psf at fastener spacing of 6" o.c with 3/8" bead adhesive in panel sidelap 222.3 psf at fastener spacing of 6" o.c. with support strap
Fastener Pattern:	#10-12 pancake head screws along panel seam. Fastener shall be of sufficient length to penetrate through the deck a minimum of 1/4". Fasteners are corrosion resistant as per FBC 2026 Section 1507.4.4.
Support Strap:	4.25" wide, 24 ga., 50 ksi strap fastened to deck with 2 rows of #10-12 x 1" long pancake head screws at staggered 12" o.c. spacing. The strap is continuous over the entire corner or edge roof zones. Prior to the panel installation, two rows of 3/8" bead of adhesive are field applied along the length of the strap.

For installation in areas within 3000 ft. of a saltwater coastline, clips and fasteners are corrosion resistant as per FBC 2026 Section 1711.

Support Strap & Panel
Sidelap Adhesive: Geocel 4600™ Structural Adhesive Sealant. Applied in accordance with manufacturer's suggested installation procedures.

Test Standards: Roof assembly tested in accordance with UL580-06 'Uplift Resistance of Roof Assemblies' & UL1897-12 'Uplift Tests for Roof Covering Systems' or TAS 125-03 'Standard Requirements for Metal Roofing Systems'.

Test Equivalency: The test procedures in UL 1897-12 comply with test procedures prescribed in UL 1897-15.

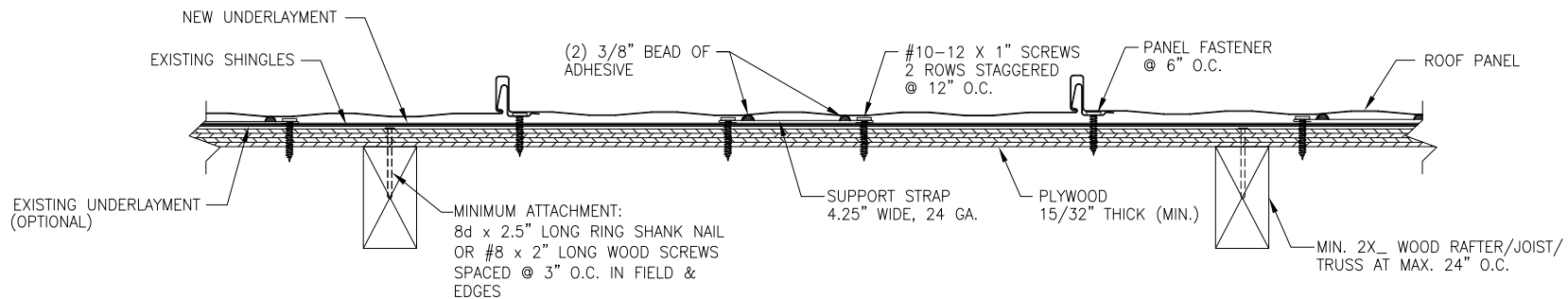
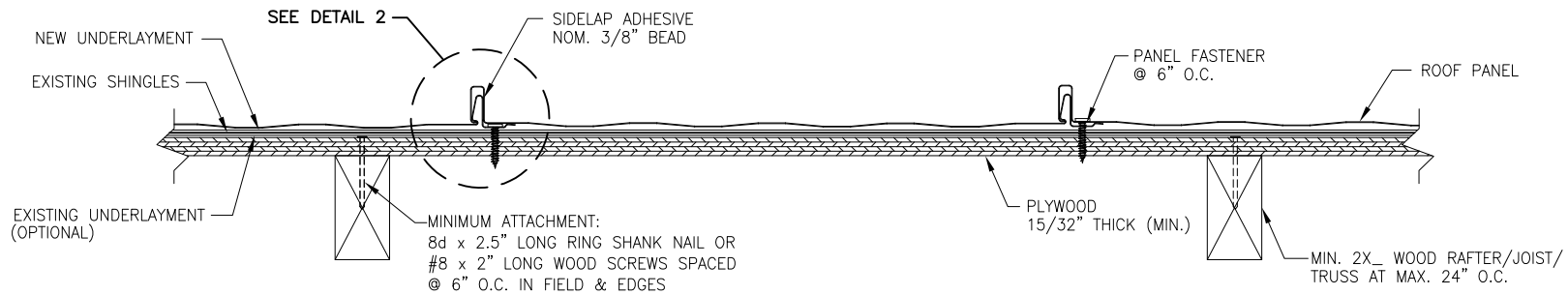
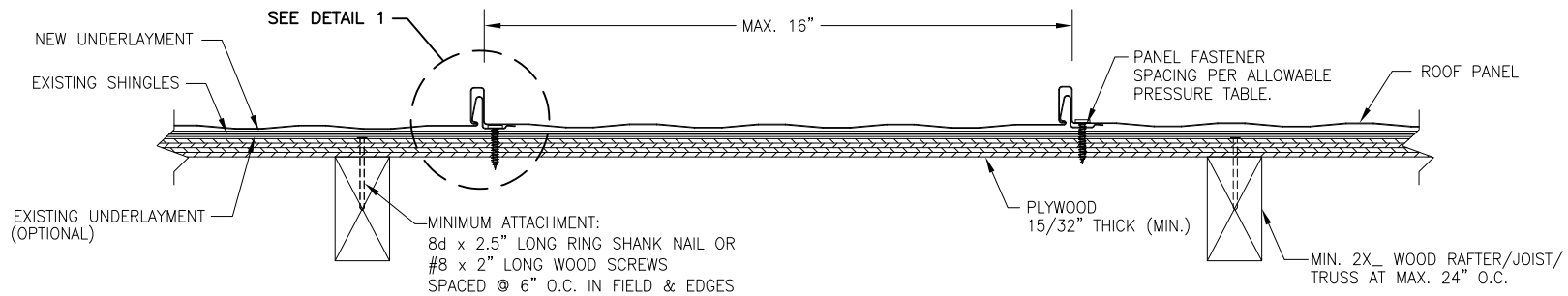
Code Compliance: The product described herein has demonstrated compliance with FBC 2026 Section 1507.4.

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 fastener spacing listed herein shall not be exceeded. The design pressure for reduced fastener spacing may be computed using rational analysis prepared by a Florida Professional Engineer or based on Cornerstone Building 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 2026 Section 1504.3.1.1 and is not within the scope of this Evaluation Report. Compliance shall be obtained through other approved product subcategory.

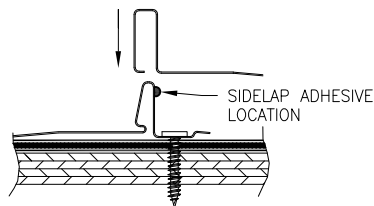
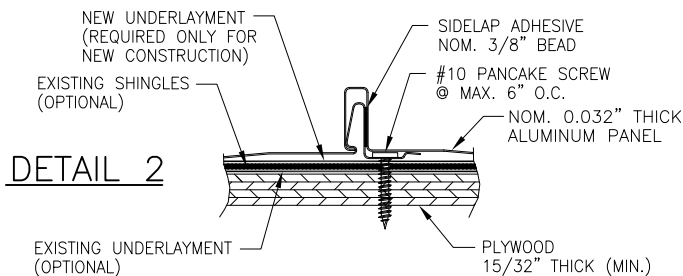
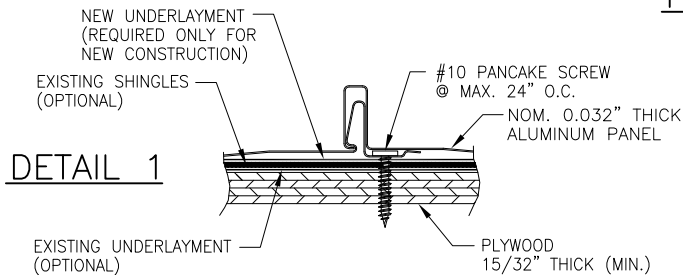
Supporting Documents: TAS 125 Test Report
Farabaugh Engineering and Testing Inc.
Project No. T129-23, Reporting Date 3/15/2023

UL580 & UL1897 Test Reports
Farabaugh Engineering and Testing Inc.
Project No. T160-23, Reporting Date 4/14/2023
PRI Construction Materials Technologies
608T0002.3, Reporting Date 2/06/2025

(Cornerstone Building Brands is authorized to use Metal Sales Manufacturing Corporation's Test Reports)



PANEL INSTALLATION X-SECTION



GENERAL NOTES:

1. ARCHITECTURAL ROOF PANEL HAS BEEN DESIGNED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE (FBC).
2. ROOF PANELS ARE SHALL BE NOM. 0.032" THICK ALUMINUM. MAX. COVERING WIDTH OF PANEL = 16".
3. THE ROOF PANELS SHALL BE INSTALLED OVER SHEATHING & 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. ALL FASTENERS MUST BE IN ACCORDANCE WITH THIS DRAWING & THE FLORIDA BUILDING CODE.
6. RAFTERS/JOISTS/TRUSSES MUST BE DESIGNED TO WITHSTAND WIND LOADS AS REQUIRED FOR EACH APPLICATION AND ARE THE RESPONSIBILITY OF OTHERS.
7. REQUIRES APPLIED LAP SEALANT FOR ROOF SLOPE < 3:12.

DRAWN BY:	B.S.	CHECKED BY:	D.S.
PLOT:		DATE:	5/26/2026
NO.	REVISION	DESCRIPTION	DATE
1			

DRAWING TITLE	ALUMINUM IMAGE II ROOF PANEL
CONSULTANTS	BALA SOCKALINGAM, PH.D., P.E.
MANUFACTURER	CORNERSTONE BUILDING BRANDS
	5020 WESTON PARKWAY
	CARY, NC 27513
	PHONE: 918-492-5992

DRAWING NO.	3063-5	REV.	
PAGE NO.	1	OF	1

Cornerstone Building Brands
(Fortify, ABC, Ceco, MBCI, Metal Sales, Metallic, Mueller, Robertson, Star, Union)
Aluminum Image II Uplift Loads
(Min. Nominal 0.032" thick)

Description	Fastener Spacing along Panel Length (in)	Allowable Uplift Load (psf)
Coverage width: 16" Panel Fastener: #10-12 pancake head screws	6	93.5
	8	86.8
	10	79.8
	12	66.5
	14	57.0
	16	49.9
	18	44.3
	20	39.9
	22	36.3
	24	33.3
With Sidelap Adhesive	6	138.5
With Support Strap & Adhesives	6	222.3

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 48220.5 and Cornerstone Building Brands current installation procedure.
3. Three or more spans condition.