



**PRODUCT EVALUATION REPORT
LOKSEAM PANEL**

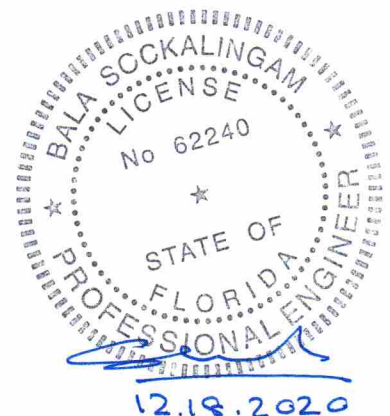
**FLORIDA BUILDING CODE 7TH EDITION (2020)
FLORIDA PRODUCT APPROVAL
FL 11903.5-R4
ROOFING
METAL ROOFING**

**Prepared For:
MBCI, part of the Cornerstone Building Brands family.
14031 West Hardy
Houston, TX 77064
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**This report consists of
Evaluation Report (3 Pages including cover)
Installation Details (1 Page)**

**Report No. C2424-5
Date: 12.18.2020**



Manufacturer:	MBCI, part of the Cornerstone Building Brands family.
Manufacturing Locations:	Houston: 14031 West Hardy, Houston, TX 77064 Atlanta: 2280 Monier Ave., Lithia Springs, GA 30122 Adel: 1600 Rogers Road, Adel, GA 31620
Product Name:	LokSeam
Panel Description:	Snap seam standing seam panel with max. 16" wide coverage and 1.75" high ribs
Materials:	Min. 24 ga., 50 ksi steel. Galvanized coated steel (ASTM A653) or Galvalume coated steel (ASTM A792) or painted steel (ASTM A755). Corrosion resistant as per FBC 2020 Section 1507.4.3.
Deck Description:	Min 22 ga. 33 ksi B-deck for new and existing construction with supports spaced at maximum 5' o.c. The deck and its attachment to supports must be designed by other to carry the panel loads.
Insulation (Optional):	2" thick (min) rigid board insulation
Underlayment:	TW Metal and Tile self-adhering SBS modified asphalt sheet membrane or equivalent.
Slope:	3:12 or greater in accordance with FBC 2020 Section 1507.4.2.
Design Uplift Pressure: (Factor of Safety = 2)	-52.5 psf at clip spacing of 48" o.c. -153.5 psf at clip spacing of 6" o.c.
Panel Attachment:	UL90 (HW-6400) clip with (2) #14-13 pancake head Dekfast fasteners per clip through 4" x 5" x 16 ga. bearing plate and rigid insulation into deck. Fastener shall be of sufficient length to penetrate through the deck a minimum of 3/4". Clips and fasteners are corrosion resistant as per FBC 2020 Section 1506.7 and 1507.4.4, respectively
Test Standards:	Roof assembly tested in accordance with UL 580-06 'Uplift Resistance of Roof Assemblies' & UL 1897-04 'Uplift Tests for Roof Covering Systems'.
Test Equivalency:	The test procedures in UL 1897-98 comply with test procedures prescribed in UL 1897-12.
Code Compliance:	The product described herein has demonstrated compliance with FBC 2020 Section 1507.4.

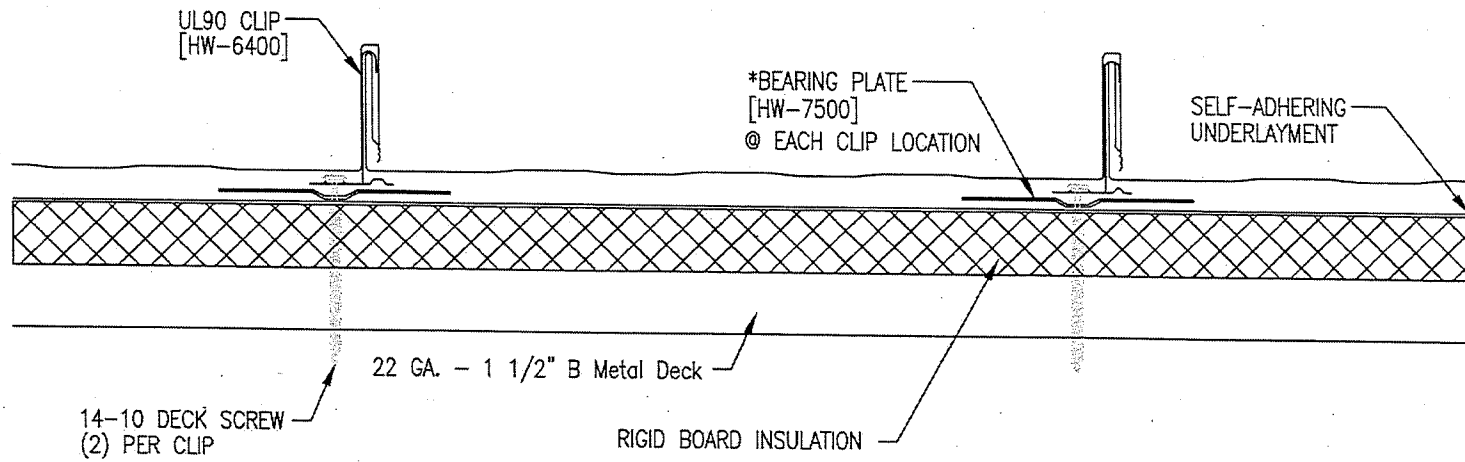
Product Limitations: Design wind loads shall be determined for each project in accordance with FBC 2020 Section 1609 or ASCE 7-16 using allowable stress design. The maximum clip spacing listed herein shall not be exceeded. This evaluation report is not applicable in High Velocity Hurricane Zone. Fire classification is not within scope of this Evaluation Report. Refer to FBC 2020 Section 1505 and current approved roofing materials directory or ASTM E108/UL790 report from an accredited laboratory for fire ratings of this product.

Supporting Documents: UL580 Roof Deck Construction No. 303

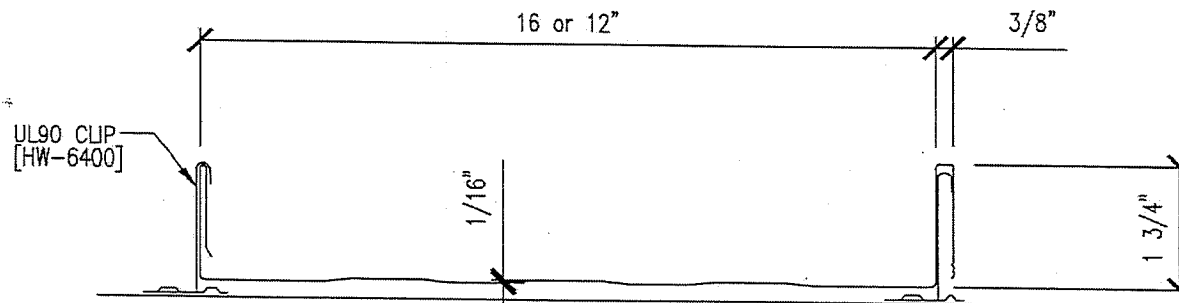
UL580 & UL1897 Test Reports

Intertek B&C

Test Report F0821.01-450-44, Reporting Date 10/21/2015



* 1/2" Plywood or 7/16" OSB can be installed over rigid board insulation in lieu of bearing plates



LOKSEAM PANEL PROFILE