



**PRODUCT EVALUATION REPORT
SUPERLOK PANEL**

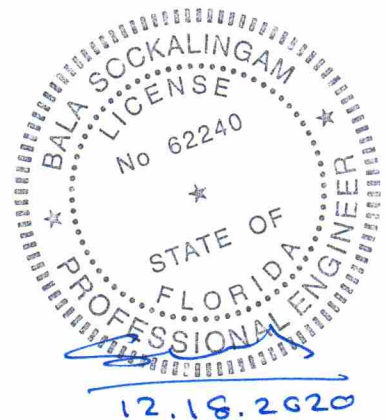
**FLORIDA BUILDING CODE 7TH EDITION (2020)
FLORIDA PRODUCT APPROVAL
FL 11903.9-R4
ROOFING
METAL ROOFING**

**Prepared For:
MBCI, part of the Cornerstone Building Brands family.
14031 West Hardy
Houston, TX 77064
Telephone: (844) 327-1748
Fax: (281) 445-8110**

**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
FAX: (866) 366-1543**

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

**Report No. C2424-9
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:	SuperLok
Panel Description:	Standing seam panel with max. 16" wide coverage and 2" 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:	Grace Ice and Water Shield self-adhering membrane or equivalent.
Slope:	1/2:12 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. -151.8 psf at clip spacing of 12" o.c.
Panel Attachment:	HW-230 or HW-232 sliding 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' and TAS 125-03 'Standard Requirements for Metal Roofing Systems'.
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

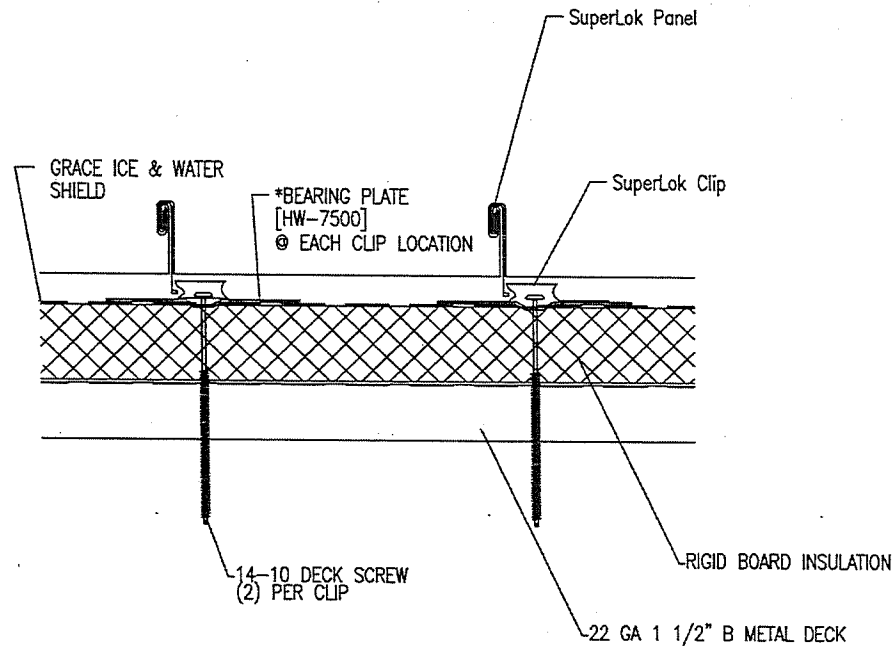
directory or ASTM E108/UL790 report from an accredited laboratory for fire ratings of this product.

Supporting Documents: UL580 Roof Deck Construction No. 303

TAS 125 Test Report

Intertek B&C

Test Report C1377.01-450-44, Reporting Date 8/16/2012



* 1/2" Plywood or 7/16" OSB can be installed over rigid Board Insulation in Lieu of bearing plates

