



**PRODUCT EVALUATION REPORT  
CRAFTSMAN SB PANEL**

**FLORIDA BUILDING CODE 7TH EDITION (2020)  
FLORIDA PRODUCT APPROVAL  
FL 11903.4-R4  
ROOFING  
METAL ROOFING**

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

**Report No. C2424-4  
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:	Craftsman SB
Panel Description:	Max. 16.5" wide coverage with 1" high corrugations. Panel sidelaps are locked together with 3/8" wide, 7/8" high snap-on battens.
Materials:	Panel and Batten: 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. 19/32" plywood or min. 3/4" thick wood plank (min SG of 0.42) for new constructions or min. 15/32" plywood for existing constructions. Designed by others and installed as per FBC 2020.
Deck Attachment: (Minimum)	8d x 2.5" long ring shank nails or #8 x 2" long wood screws at 6" o.c. in the field and edges. Designed as per FBC 2020.
Underlayment:	Deck sealed with ice and water shield self-adhered membrane.
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 24" o.c. -71.0 psf at clip spacing of 6" o.c.
Panel Attachment:	26 ga. one-piece SB clip with (1) #12-11 x 1" long pancake head wood screws per clip. Fastener shall be of sufficient length to penetrate through the deck a minimum of 5/16". 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 580-94 'Uplift Resistance of Roof Assemblies' & UL 1897-98 'Uplift Tests for Roof Covering Systems'.
Test Equivalency:	The test procedures in UL 580-94 comply with test procedures prescribed in UL 580-06. 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.

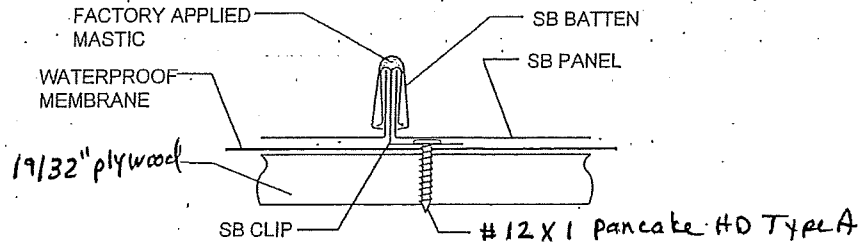
Product Limitations: Design wind loads shall be determined for each project in accordance with FBC 2020 Section 1609 or ASCE 7-16 using allowable stress design. The maximum clip spacing listed herein shall not be exceeded. This evaluation report is not applicable in High Velocity Hurricane Zone. Fire 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. 282

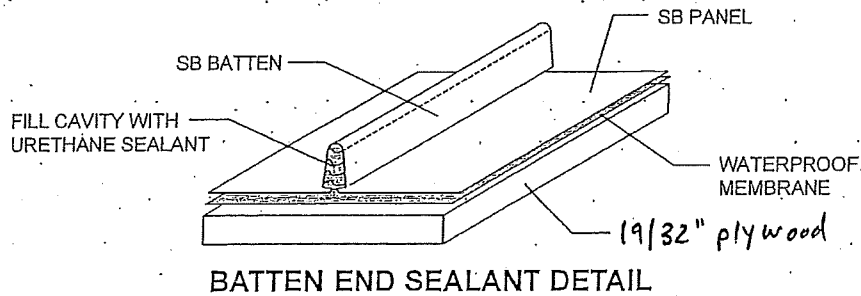
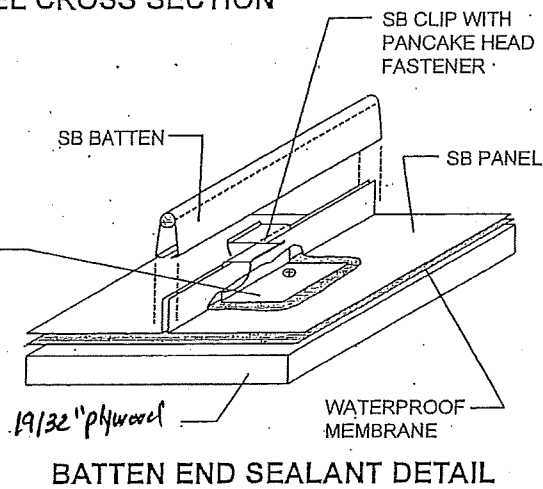
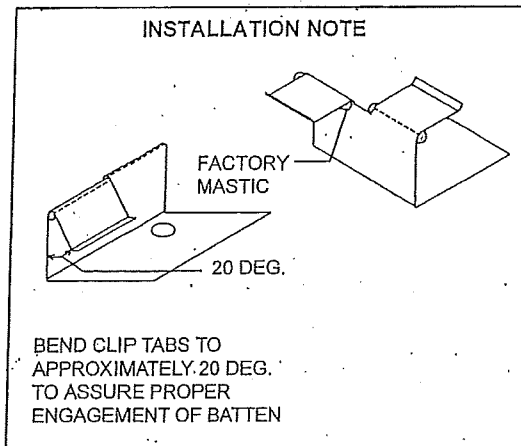
UL 580 & UL 1897 Test Report  
Farabaugh Engineering and Testing Inc.  
Test Report T230-12, Reporting Date 6/27/2012

# SB DETAIL

## TYPICAL DETAILS PANEL



## INSTALLED PANEL CROSS SECTION



**NOTES:**

1. Factory applied mastic in battens is mandatory.
2. If it is necessary to raise the tabs of a clip up after they have been bent down into place, the clip must be replaced to prevent clip failure.
3. Clips to be installed on 2'-0" o.c. unless otherwise instructed on roof plans.
4. Ends of panels should be sealed with urethane sealant at all eave and valley conditions.