



**PRODUCT EVALUATION REPORT
5V CRIMP PANEL**

**FLORIDA BUILDING CODE 7TH EDITION (2020)
FLORIDA PRODUCT APPROVAL
FL 11903.1-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. C2424-1
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: 5V-Crimp

Panel Description: 24" wide coverage with (5) 1/2" high ribs

Materials: Min. 26 ga., 80 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: Minimum underlayment as per FBC 2020 Section 1507.4.5.1

Slope: 3:12 or greater in accordance with FBC 2020 Section 1507.4.2.

Design Uplift Pressure: (Factor of Safety = 2) -74.8 psf at fastener spacing of 24" o.c.
-146.0 psf at fastener spacing of 12" o.c.

Fastener Pattern: Fasteners are corrosion resistant as per FBC 2020 Section 1507.4.4.
Type: #10-15 x 1.5" long hex head wood screws with sealed washer. Fastener shall be of sufficient length to penetrate through the deck a minimum of 5/16".

At all locations: 12" o.c. across panel width through panel rib.

Test Standards: Roof assembly tested in accordance with TAS 125-03 'Standard Requirements for Metal Roofing Systems'.

Code Compliance: The product described herein has demonstrated compliance with FBC 2020 Section 1507.4.

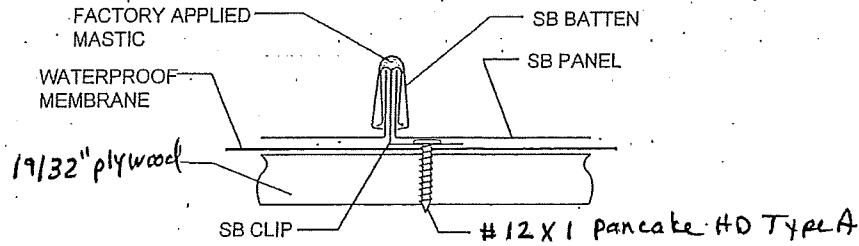
Product Limitations: Design wind loads shall be determined for each project in accordance with FBC 2020 Section 1609 or ASCE 7-16 using allowable stress design. The maximum fastener spacing listed herein shall not be exceeded. This evaluation report is not applicable in High Velocity Hurricane Zone.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

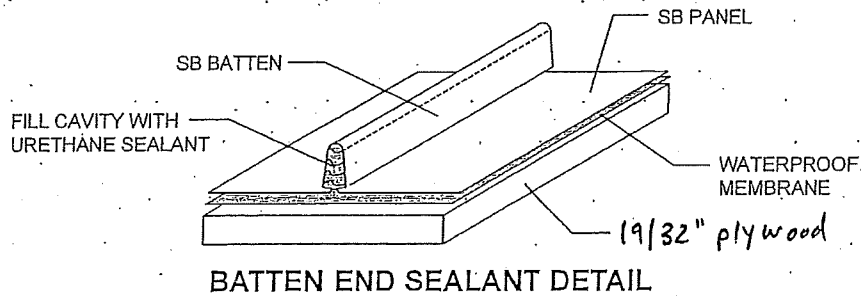
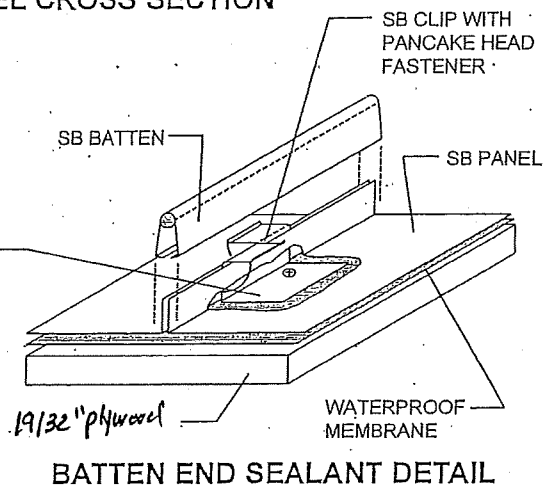
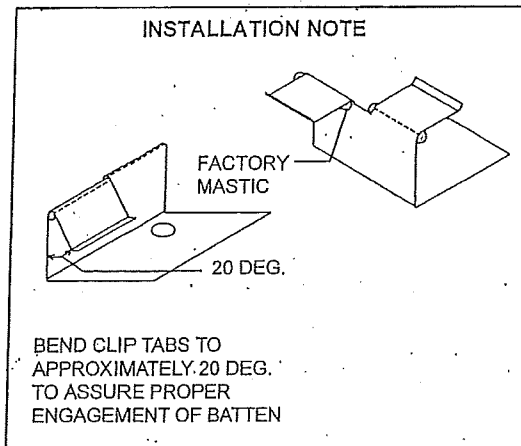
Supporting Documents: TAS 125 Test Reports
Force Engineering & Testing, Inc.
07-0293T-06, A, B, C, Reporting Date 1/17/2006

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.