Metal Roof and Wall Systems

PRODUCT EVALUATION REPORT
7.2 PANEL

FLORIDA BUILDING CODE 7TH EDITION (2020)
FLORIDA PRODUCT APPROVAL
FL 11819.1-R4
STRUCTURAL COMPONENTS
ROOF DECK

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. C2422-1
Date: 12.16.2020

BALA SOCKALINGAM LICENSE No 62240 STATE OF FLORIDA PROFESSIONAL ENGINEER

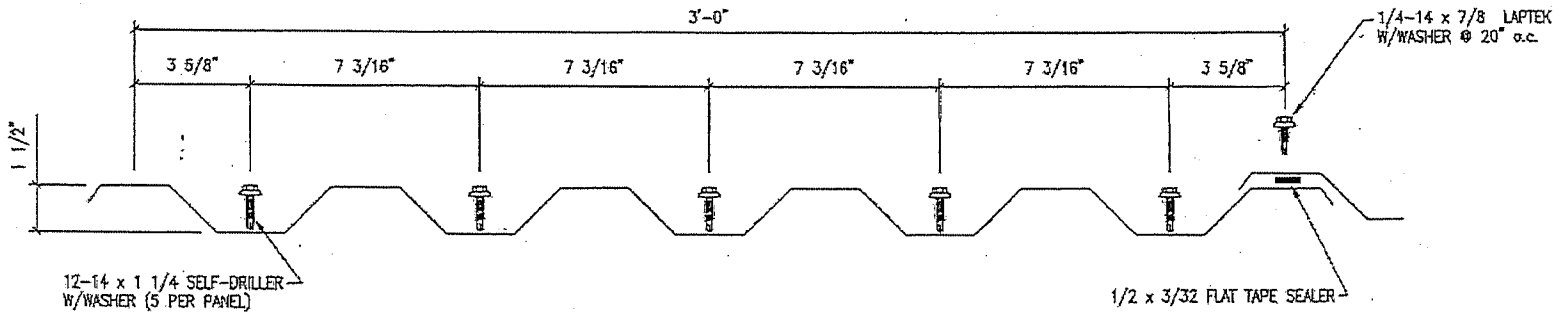
12.16.2020

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:	7.2 Panel
Panel Description:	36" wide coverage with (5) 1.5" high ribs at 7.2" o.c
Materials:	Min. 26 ga., 80 ksi steel or 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.
Support Description:	Min. 16 ga., 50 ksi steel section. (Must be designed by others)
Slope:	1/2:12 or greater in accordance with FBC 2020 Section 1507.4.2. Requires applied lap sealant for roof slopes less than 3:12.
Uplift Pressure: (Factor of Safety = 2)	-52.5 psf at support spacing of 63.25" o.c.
Panel Attachment:	Minimum #12-14 x 1" long self-drilling screws with washer. Fasteners are corrosion resistant as per FBC 2020 Section 1507.4.4.
At panel ends	7.2" o.c. across panel width
At intermediate	7.2" o.c. across panel width
Sidelap Attachment:	#12-14 x 1" long self-drilling screws with washer at 20" o.c. Fasteners are corrosion resistant as per FBC 2020 Section 1507.4.4.
Test Standards:	Roof assembly tested in accordance with UL580-06 'Uplift Resistance of Roof Assemblies' and FM 4471 Section 5.4 'Resistance to Foot Traffic'.
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 support spacing listed herein shall not be exceeded. The design pressure for reduced support spacing may be computed using rational analysis prepared by a Florida Professional Engineer. 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: UL 580 Roof Deck Construction No. 244

FM 4471 Test Report
Force Engineering & Testing, Inc.
07-0258T-11 E, Reporting Date 1/12/2012



'7.2' PANEL PROFILE & FASTENER SPACING