

Florida Product Approval 31287

Category: Structural Wall

Compliant with CURRENT Florida Building Code 2023 8TH ed. Compliant

with Florida Product Approval Rule # 61G20-3

Compliant Quality Assurance Program: PRI Construction Materials Technologies

FL 31287.1 Product: Min. 26GA PBR STRUCTURAL WALL OVER 16 GA. STEEL FRAMING

NON-HVHZ

Yield strength: 80 ksi min.

36" Coverage

Rib Height 1-1/4" tall at 12" o.c.

Substrate: 16GA steel framing; structural application designed in compliance with FBC 2023 8TH ed. Corrosion Resistant Fastener #12-14 HWH SD with sealing washer or approved equal at 12"-12"-12" fastener pattern for interior supports. Panel side laps fastened with 3/4-14 x 7/8" HWD SD with sealing washer at 20" o.c.

Insulation: manufacturer's approved product (optional)

Install per manufacturer's details and in compliance with FBC 2023 8TH ed.

Install Details: Table A	Allowable Loads	METHOD 1	METHOD 2
DESIGN PRESSURE ^a		-40.0 PSF	+50.0 PSF
FASTENER PATTERN		12"-12"-12"	12"-12"-12"
FASTENER SPACING		@ 5'-0" o.c.	@ 5'-0" o.c.

Reference Data: Baker Metal Works Authorizes use of Test Reports

Force Engineering & Testing (TST-5328) #234-0273T-07 A, B ASTM E 1592-01 (2005¹)

1. ASTM E 1592-01 is equivalent to test standard ASTM E 1592-05

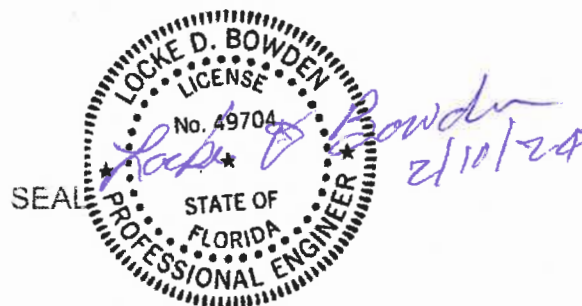
Limitations:

1. Under-layment to be compliance with Current Florida Building Code (FBC) 2023 8th ed. see Chart 1507
2. Minimum slope to be compliant with Current Florida Building Code 2023 8th ed., and per with Manufacturer's installation reference.
3. Products are compliant with State of Florida product approval per Rule 61G20-3. Compliance Method: 1-D
4. Engineering analysis for "project specific approval by local authorities w/jurisdiction is allowed by other registered engineers.
5. Fire classification is not part of this acceptance. Shear diaphragm values are outside this report. Support framing in compliance w/FBC 2023 8th ed., Chapter 22 Steel, Chapter 23 Wood and Chapter 16 Structural Loading.
6. Support framing in compliance w/FBC 2023 8th ed., Chapter 22 for steel, Chapter 23 for wood, Chapter 16 for structural Loading.
7. This report does not imply warranty, installation, recommended product use outside of this report

Certificate of Independence:

Locke Bowden, P.E. does not have, nor will acquire a financial interest in any company manufacturing or distributing products under this evaluation.

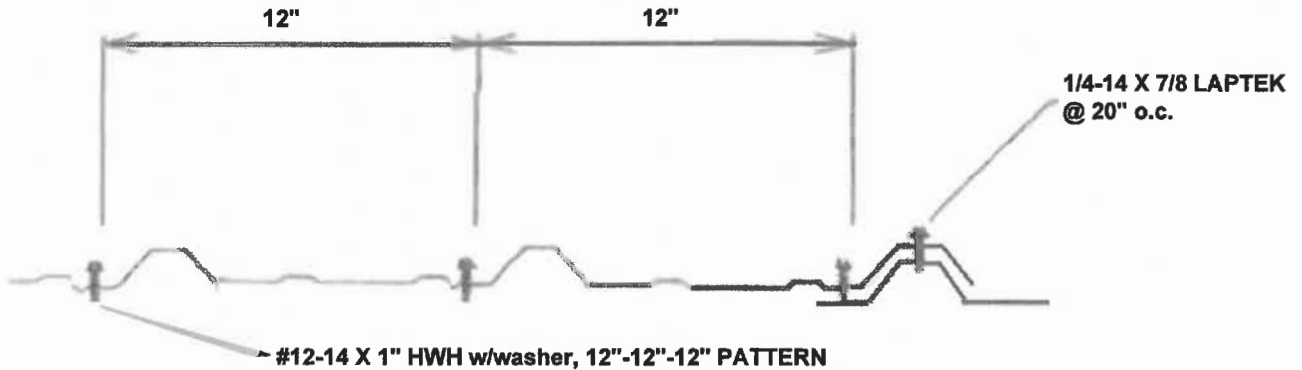
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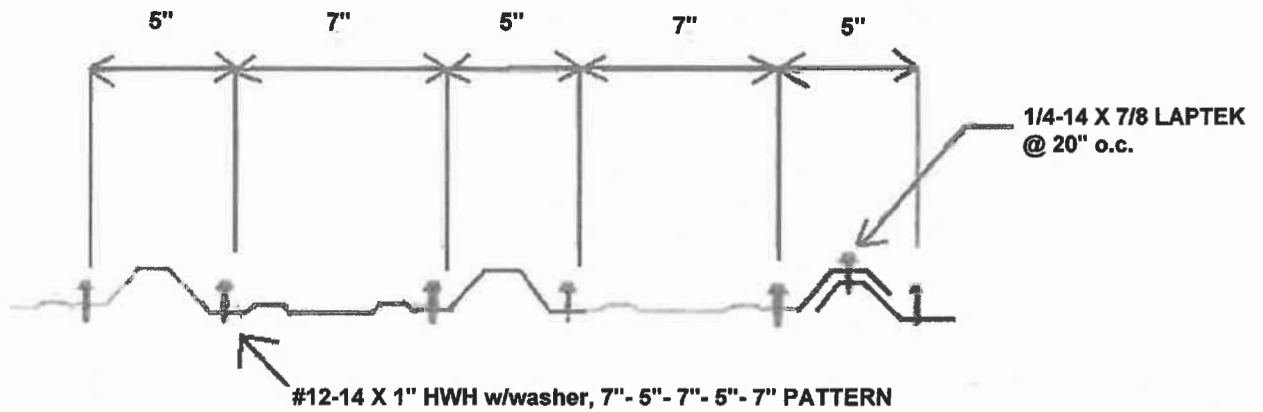
ALPHA METAL PANELS
PBR WALL
INSTALLATION DETAILS

ALPHA METAL PANELS - Installation
Details Sub-Category: Structural Wall

PBR PANEL DETAILS-NON HVHZ



FASTENER PATTERN FOR INTERIOR SUPPORTS



FASTENER PATTERN FOR END PANEL END LAPS

