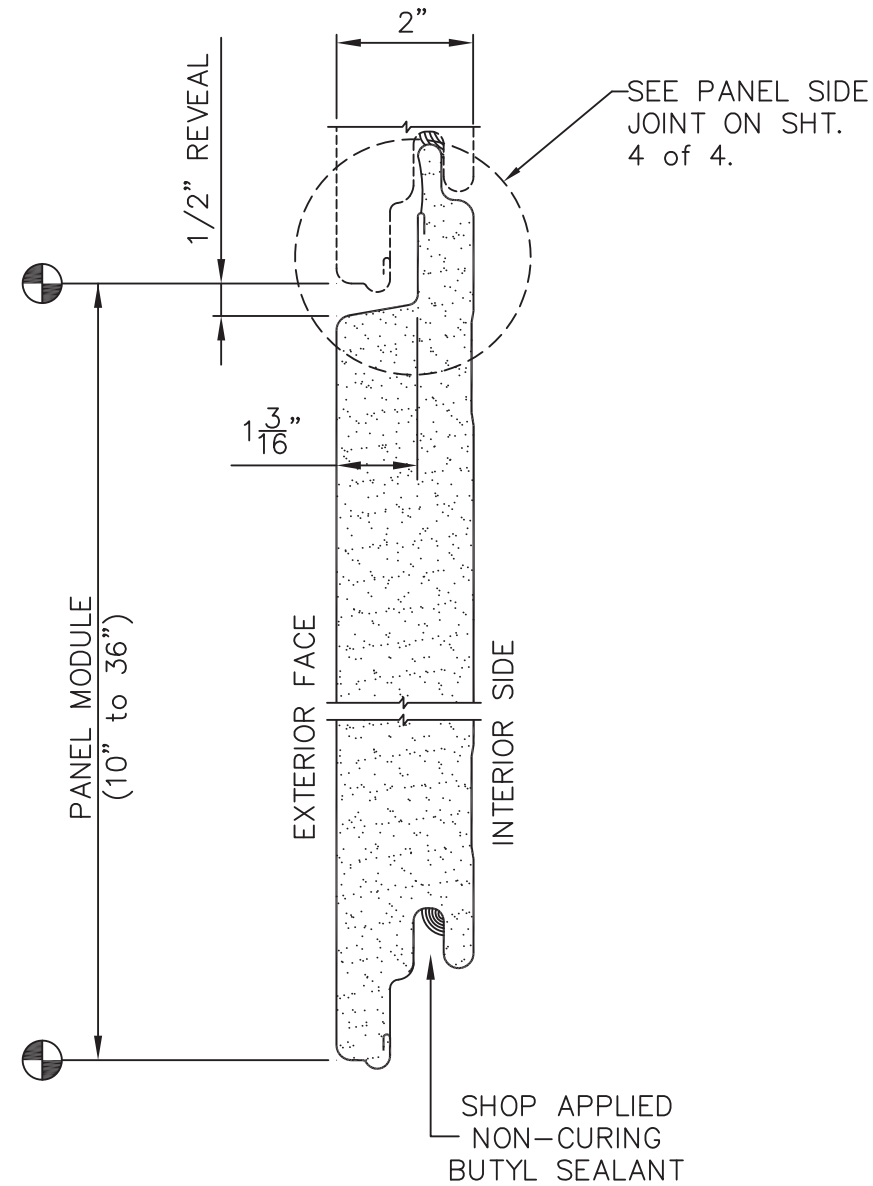
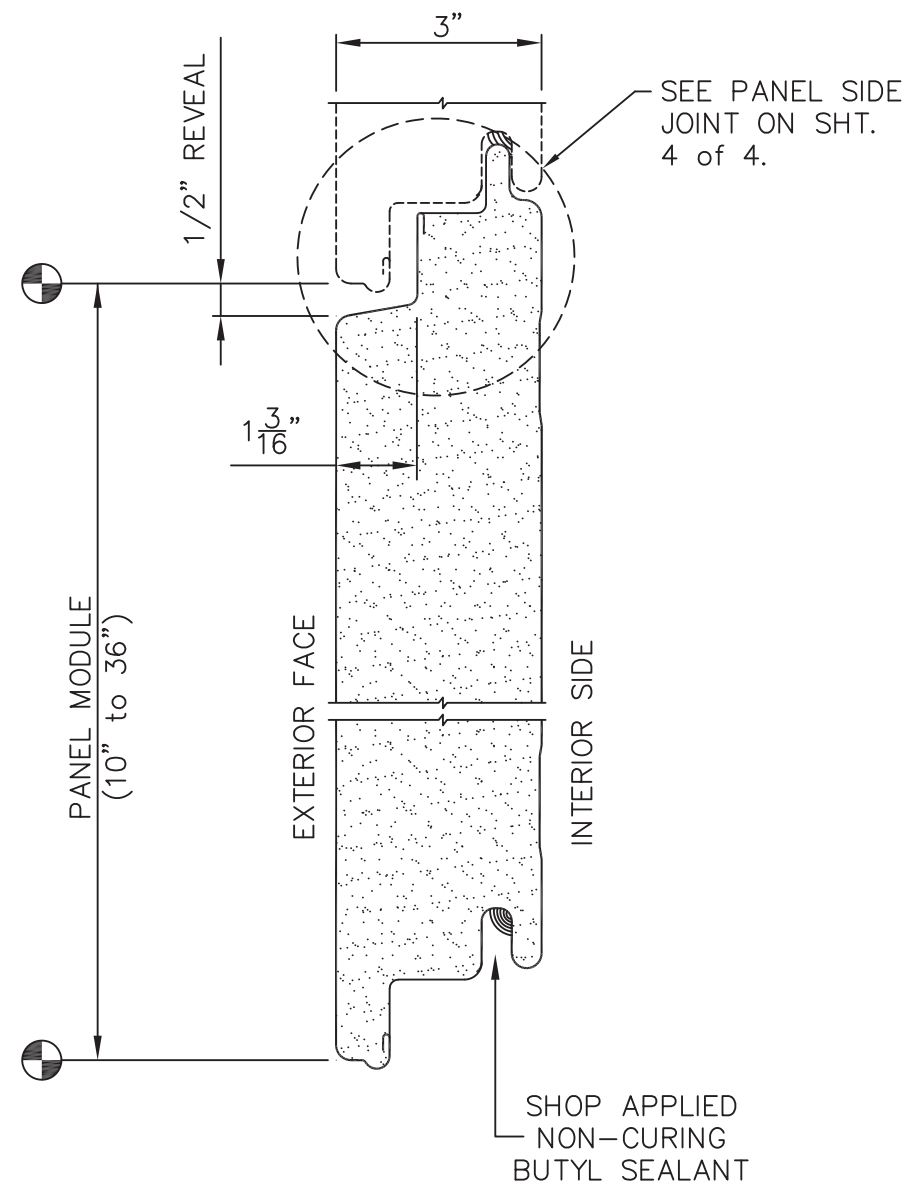




2" METALWRAP PANEL



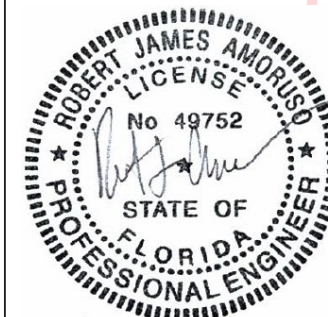
3" METALWRAP PANEL

PANEL SPECIFICATIONS

- 1) INTERIOR SKIN SHALL BE ASTM A653, GRADE 50, G90 GALVANIZED STEEL WITH 0.014" (29 GA.) MINIMUM THICKNESS.
- 2) EXTERIOR SKIN SHALL BE ASTM A653, GRADE 50, G90 GALVANIZED STEEL WITH 0.014" (29 GA.) MINIMUM THICKNESS.
- 3) SHOP APPLIED SEALANT SHALL BE 3/8"x 3/8" CONTINUOUS BEAD OF NON-CURING BUTYL AS PER MANUFACTURES STANDARDS.
- 4) FIELD APPLIED SEALANT SHALL BE: TREMCO JS-773, NON-CURING BUTYL BY TREMCO, BEACHWOOD, OHIO.
- 5) CORE MATERIAL IS P.I.R. FOAM WITH A DENSITY OF 2.50 (MIN.) PCF.
- 6) P.I.R. FOAM PLASTIC PROPERTIES:
 SELF IGNITION TEMPERATURE per ASTM D1929 – 932°F.
 FLASH IGNITION TEMPERATURE per ASTM D1929 – 824°F.
 FLAME SPREAD INDEX per ASTM E84 – LESS THAN 25.
 SMOKE DEVELOPED per ASTM E84 – LESS THAN 450.

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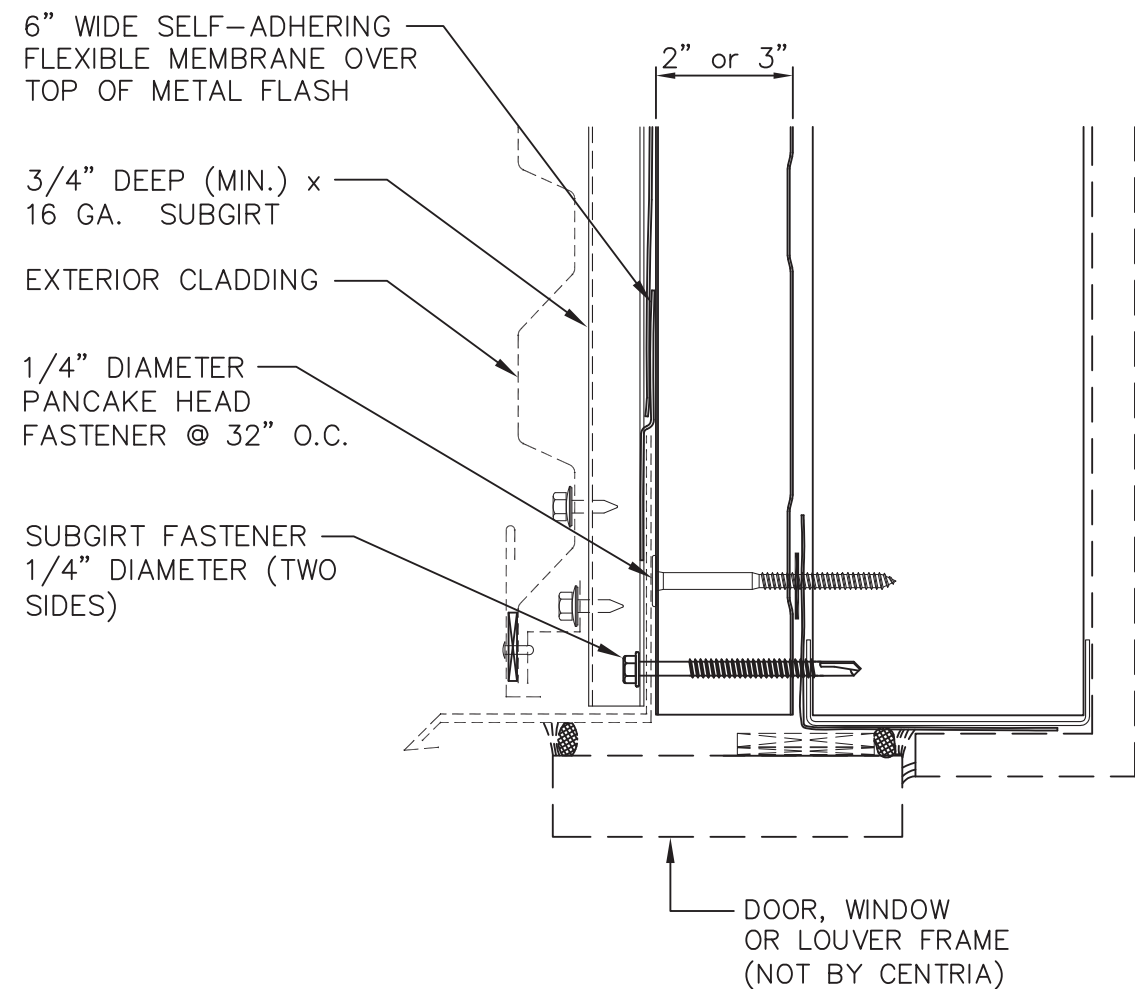


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AMORUSO CONSULTING ENG., LLC, FBPE REG. #38327
226 N NOVA RD, NO. 142, ORMOND BEACH, FL 32174
RJAENGPE@GMAIL.COM

MetalWrap Air/Water Barrier
Cross Sections and Details
CENTRIA
1550 CORAOPOLIS HGTS. ROAD
MOON TOWNSHIP, PA 15108

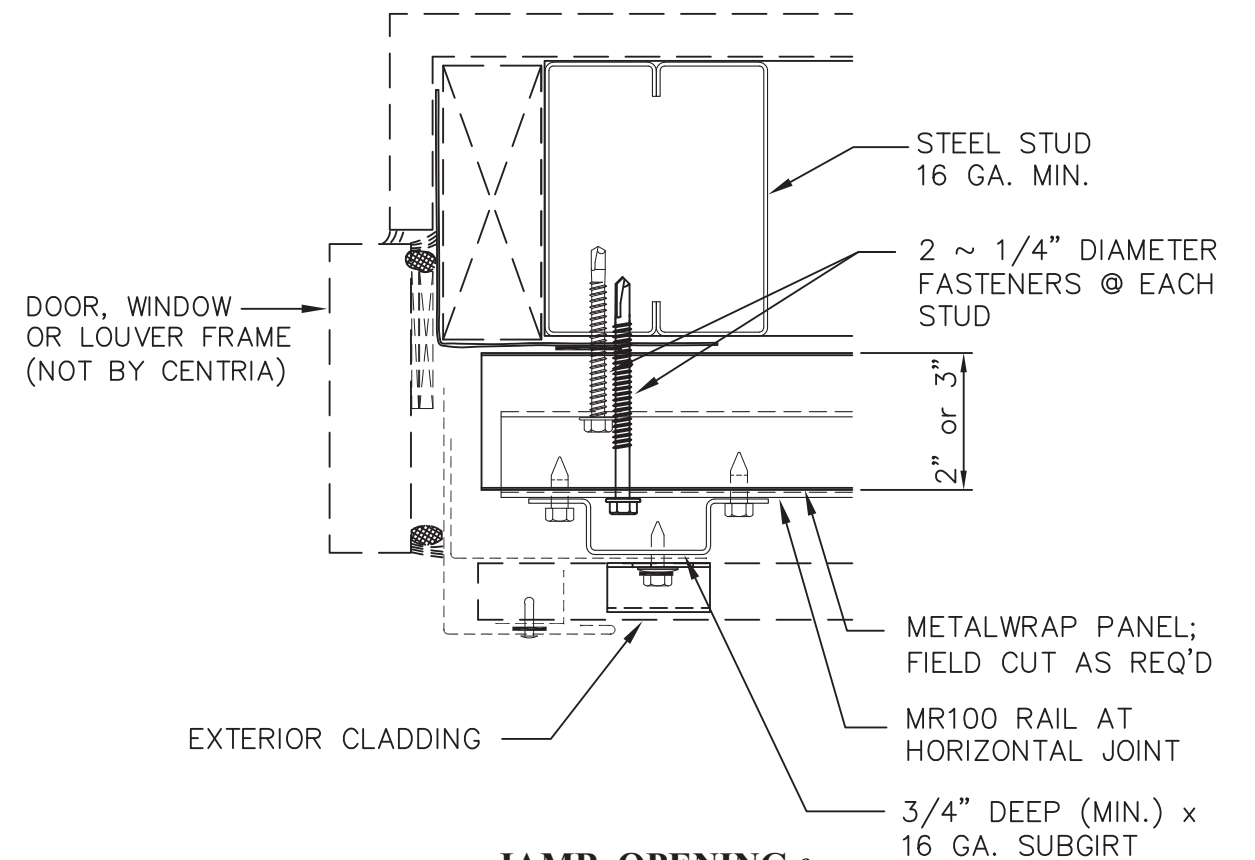
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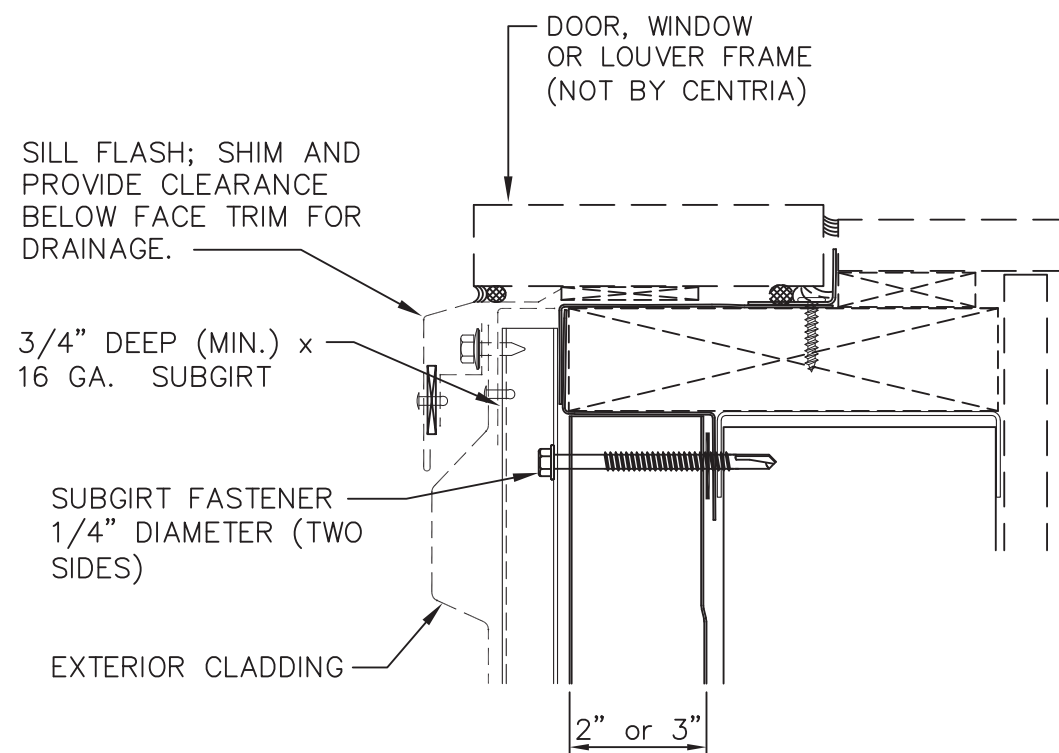
**HEAD OPENING for
HORIZONTAL PANEL**

1. MINIMUM STUD THICKNESS SHALL BE .0538" (16 GA.)
2. RAIL TO STUD FASTENERS TO BE 1/4" DIAMETER SELF DRILLING FASTENERS. TWO PER STUD.
3. SUBGIRT TO RAIL FASTENERS TO BE 1/4" DIAMETER SELF TAPPING STAINLESS STEEL. TWO PER RAIL.
4. PANELS PROVIDE NO DIAPHRAGM CAPACITY.
5. MAXIMUM PANEL SPAN IS 1'-4"
6. THE MAXIMUM ALLOWABLE DESIGN PRESSURE SHALL BE +/- 120.0 PSF.
7. PANEL SHALL BE ATTACHED TO STEEL SUPPORTS USING MR100 RAILS IN THE SIDE JOINT AND 1/4" DIAMETER PANCAKE HEAD FASTENERS AT CUT PANEL EDGES.
8. FILL HOLE IN PANEL WITH NON-CURING BUTYL PRIOR TO INSTALLING FASTENERS.

NOTE: PRODUCT CONTROL APPROVAL IS LIMITED TO THE WALL PANEL AND ITS ATTACHMENT TO THE STRUCTURAL STEEL FRAMING. THE STRUCTURAL ADEQUACY OF THE STEEL FRAMING AND ALL OTHER STRUCTURAL MEMBERS, CONNECTIONS AND FOUNDATION SHALL BE REVIEWED BY THE STRUCTURAL PLANS EXAMINER OF THE APPROPRIATE BUILDING DEPARTMENT.



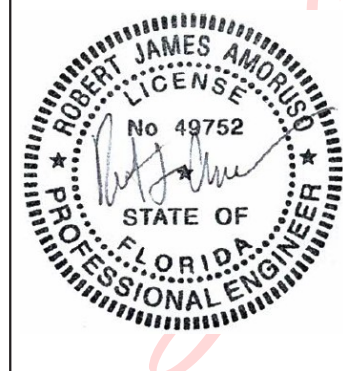
**JAMB OPENING for
HORIZONTAL PANEL**



**SILL OPENING for
HORIZONTAL PANEL**

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MetalWrap Air/Water Barrier

Cross Sections and Details

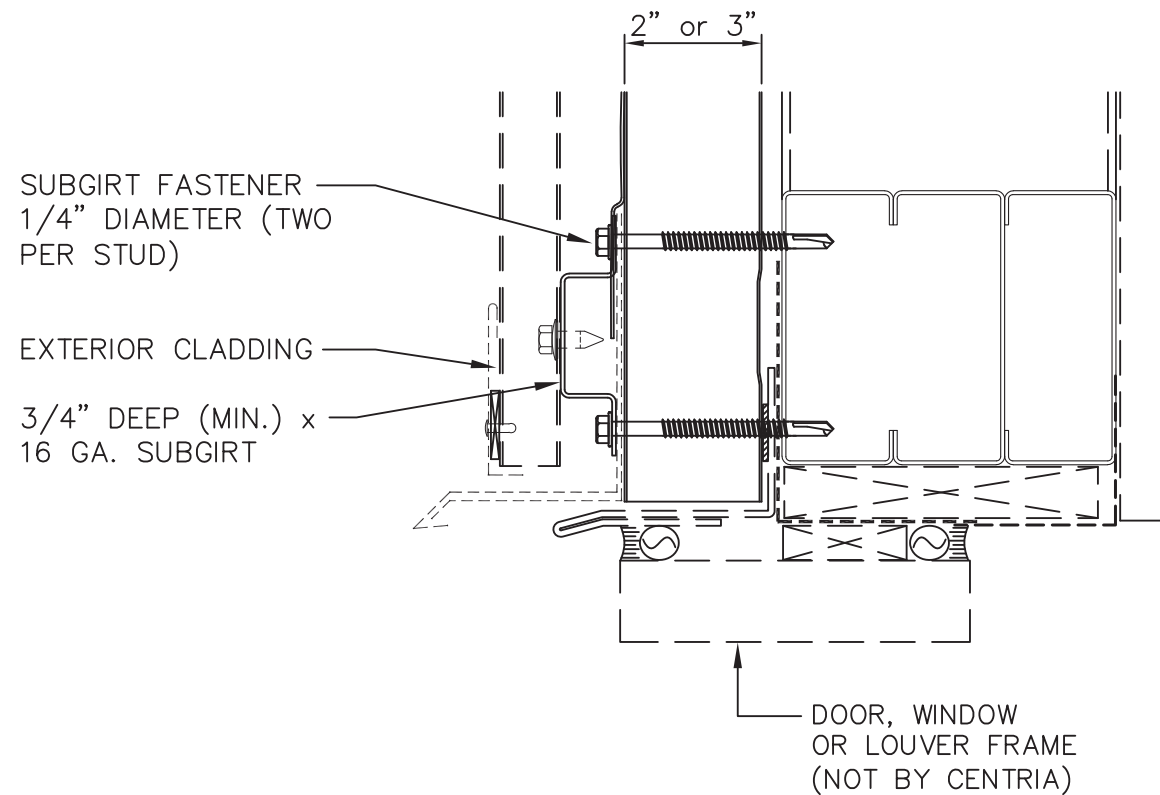
MR100 Rail System

CENTRIA

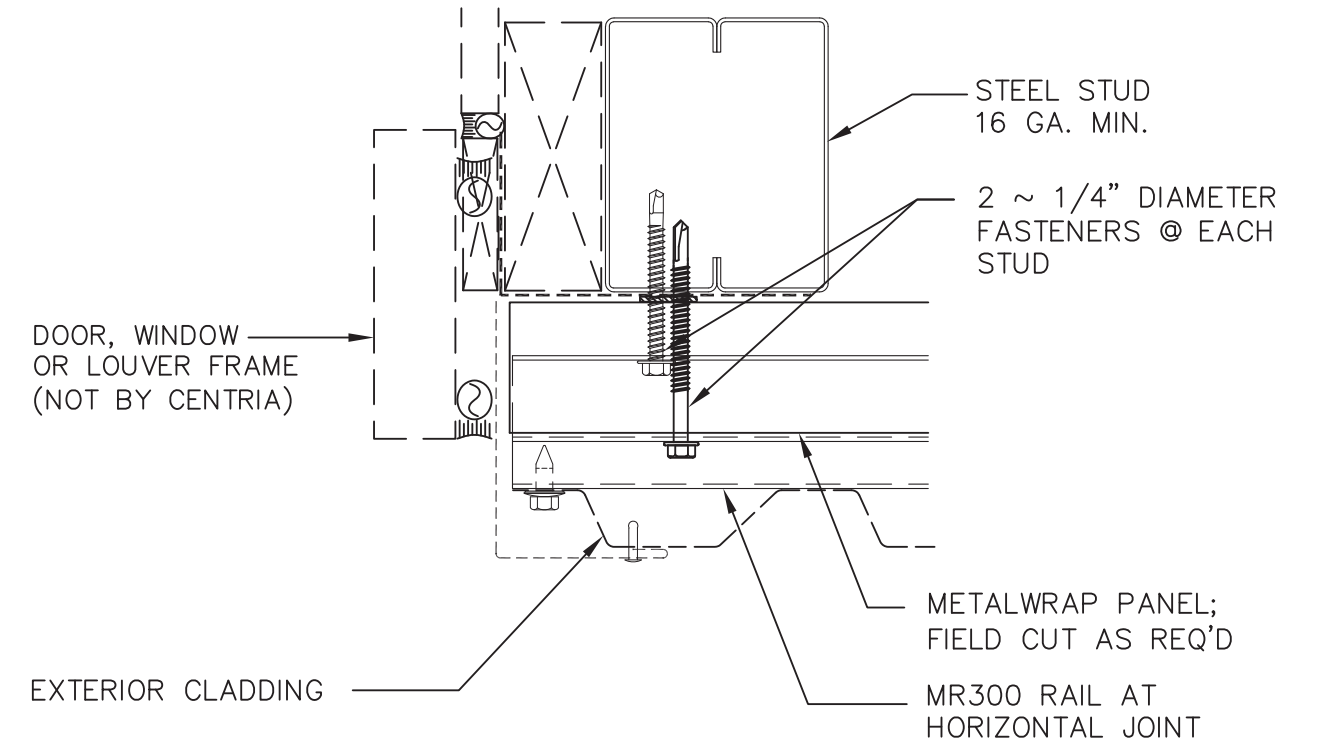
1550 CORAOPOLIS HGTS. ROAD

MOON TOWNSHIP, PA 15108

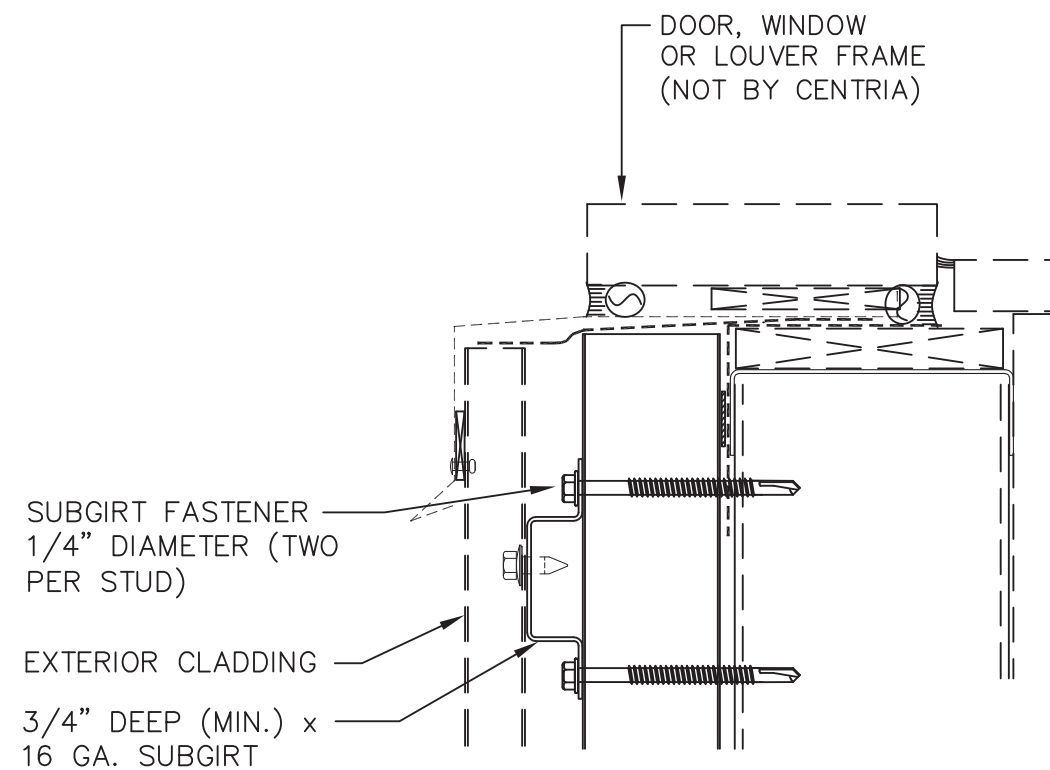
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**HEAD OPENING for
HORIZONTAL PANEL**



**JAMB OPENING for
HORIZONTAL PANEL**

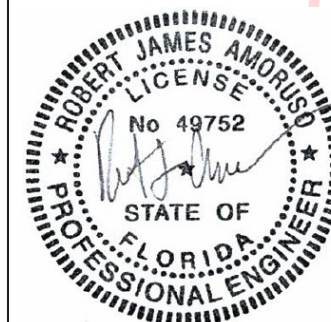


**SILL OPENING for
HORIZONTAL PANEL**

NOTE: PRODUCT CONTROL APPROVAL IS LIMITED TO THE WALL PANEL AND ITS ATTACHMENT TO THE STRUCTURAL STEEL FRAMING. THE STRUCTURAL ADEQUACY OF THE STEEL FRAMING AND ALL OTHER STRUCTURAL MEMBERS, CONNECTIONS AND FOUNDATION SHALL BE REVIEWED BY THE STRUCTURAL PLANS EXAMINER OF THE APPROPRIATE BUILDING DEPARTMENT.

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Robert J. Amoruso, P.E.
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MetalWrap Air/Water Barrier

Cross Sections and Details

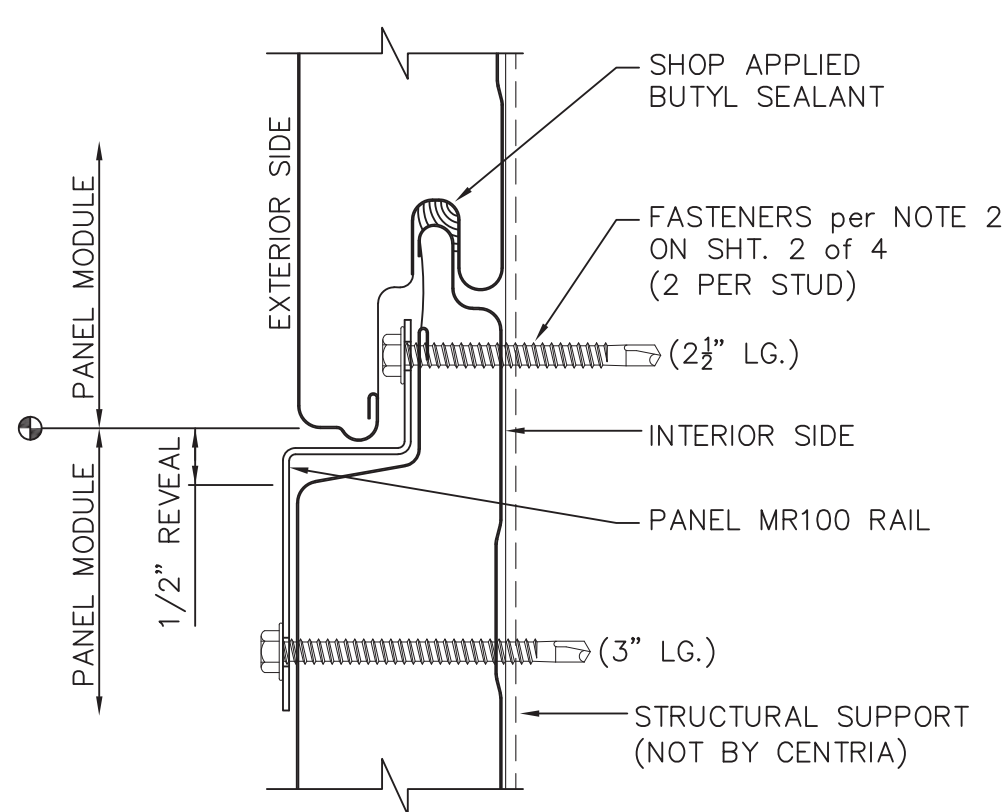
MR300 Rail System

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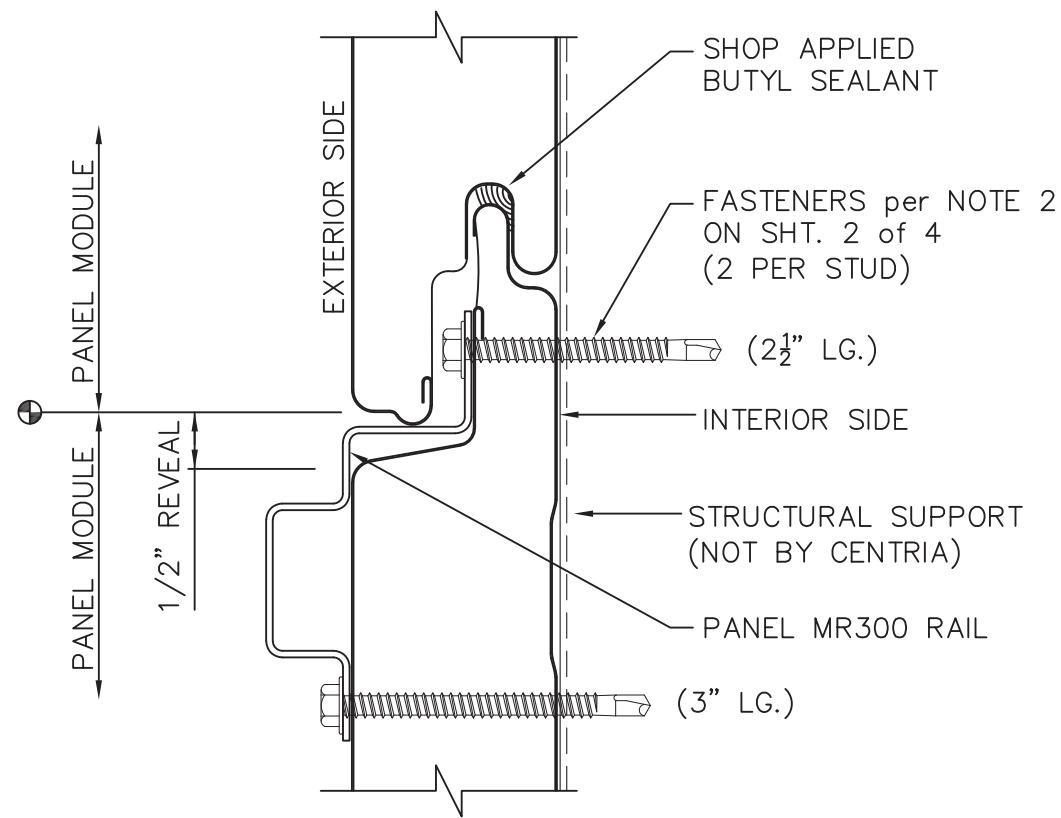
1550 CORAOPOLIS HGTS. ROAD

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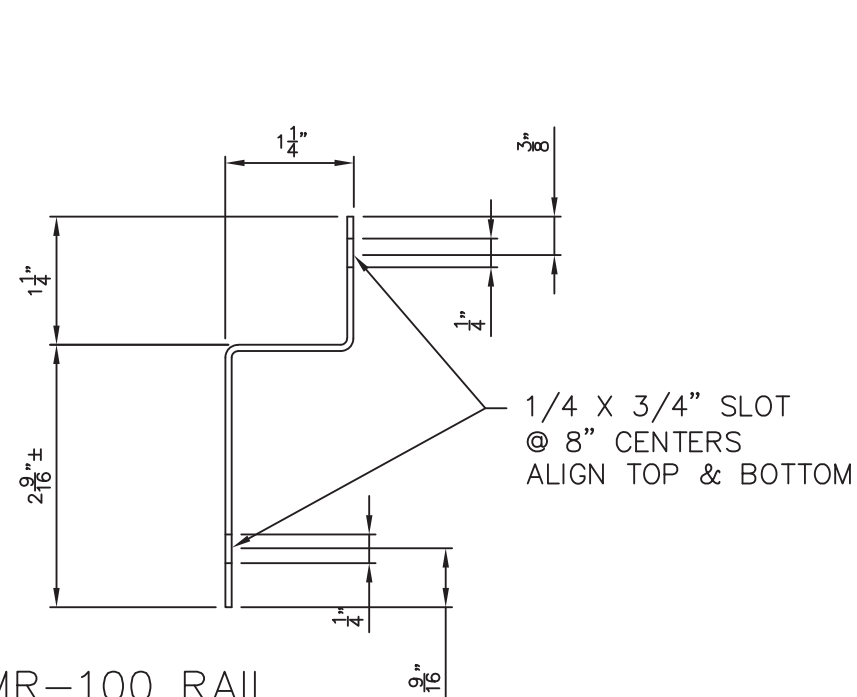
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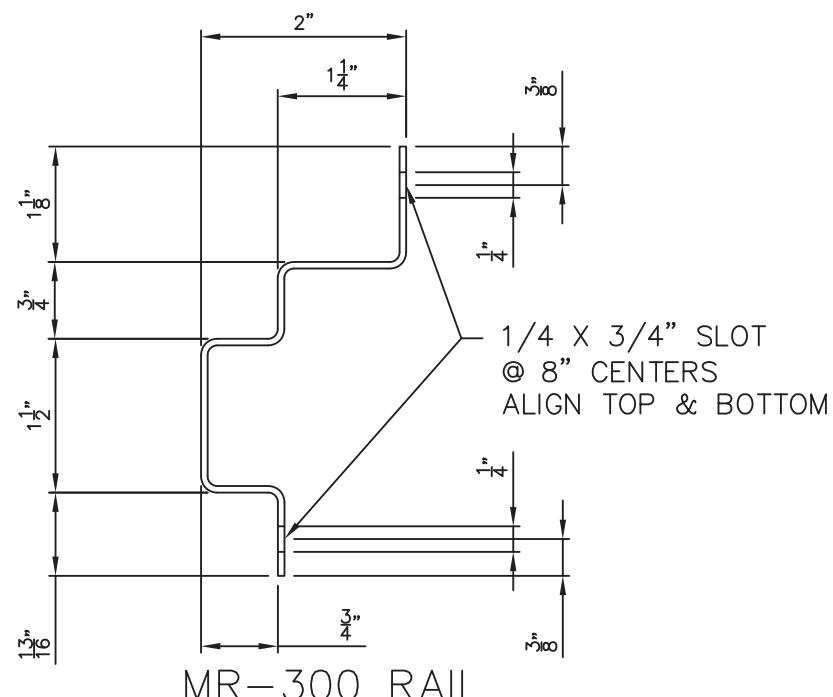
MR100 RAIL
PANEL SIDE JOINT FOR
HORIZONTAL PANELS



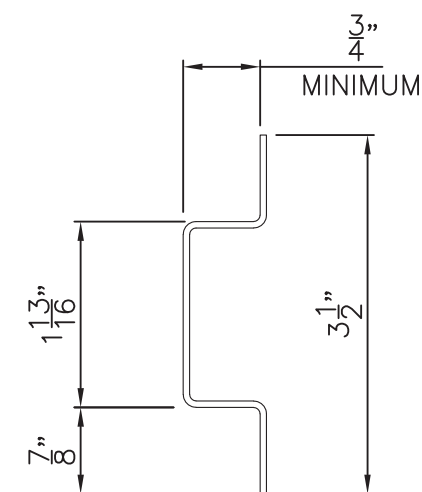
MR300 RAIL
PANEL SIDE JOINT FOR
HORIZONTAL PANELS



MR-100 RAIL
16 GA. GALV. STEEL
(50 KSI)



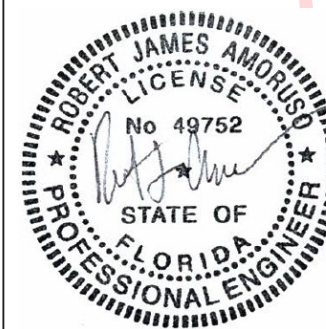
MR-300 RAIL
16 GA. GALV. STEEL
(50 KSI)



SUBGIRT
(3/4" MINIMUM DEPTH)
16 GA. GALV. STEEL
(50 KSI)

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MetalWrap Air/Water Barrier
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