

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
G	REVISED SLAB OPTIONS	01/29/2021	R.L.

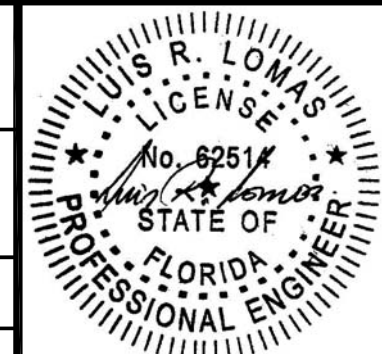
NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE FLORIDA BUILDING CODE.
2. WOOD FRAMING, METAL STRUCTURE AND MASONRY OPENING TO BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO STRUCTURE. FRAMING AND MASONRY OPENING IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
3. 1X BUCK OVER MASONRY/CONCRETE IS OPTIONAL. WHERE 1X BUCK IS NOT USED DISSIMILAR MATERIALS MUST BE SEPARATED WITH APPROVED COATING OR MEMBRANE. SELECTION OF COATING OR MEMBRANE IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
4. ALLOWABLE STRESS INCREASE OF 1/3 WAS NOT USED IN THE DESIGN OF THE PRODUCT SHOWN HEREIN. WIND LOAD DURATION FACTOR Cd=1.6 WAS USED FOR WOOD ANCHOR CALCULATIONS.
5. FRAME MATERIAL: WOOD WITH G=.46 MINIMUM SPECIFIC GRAVITY, OR COMPOSITE, OR FRAMESAVER, OR FUSION FRAME.  
DOOR SKIN MATERIAL: STEEL .033" THICK (MINIMUM) AND FIBERGLASS .085" THICK(MINIMUM).
6. TRANSOM MUST BE GLAZED PER ASTM E1300-04/09, WITH SAFETY GLAZING.
7. APPROVED IMPACT PROTECTIVE SYSTEM IS REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.
8. SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM. SHIM WHERE SPACE OF 1/16" OR GREATER OCCURS. MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4".
9. FOR ANCHORING INTO WOOD FRAMING OR 2X BUCK USE #10 WOOD SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 3/8" MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
10. FOR ANCHORING INTO MASONRY/CONCRETE USE 3/16" TAPCONS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/4" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 2" MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
11. FOR ANCHORING INTO METAL STRUCTURE USE #10 SMS OR SELF DRILLING SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE 3 THREADS MINIMUM BEYOND STRUCTURE INTERIOR WALL. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
12. ALL FASTENERS TO BE CORROSION RESISTANT.
13. INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BELOW:
  - A. WOOD – MINIMUM SPECIFIC GRAVITY OF G=0.42
  - B. CONCRETE – MINIMUM COMPRESSIVE STRENGTH OF 3,192 PSI.
  - C. MASONRY – STRENGTH CONFORMANCE TO ASTM C-90, GRADE N, TYPE 1 (OR GREATER).
  - D. METAL STRUCTURE: STEEL 18GA, 33KSI OR ALUMINUM 6063-T5 .048" THICK MINIMUM

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SHEET NO.	DESCRIPTION
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2	ELEVATION AND ANCHORING LAYOUT
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9 – 11	COMPONENTS AND MULLION DETAILS

<b>PROVIA, LLC.</b> 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
STEEL/FIBERGLASS INSWING OPAQUE SINGLE DOOR W/TRANSOM NON-IMPACT NOTES		
DRAWN: N.G.	DWG NO. 08-02083	REV G
SCALE NTS	DATE 06/20/13	SHEET 1 OF 11
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@rlomaspe.com		

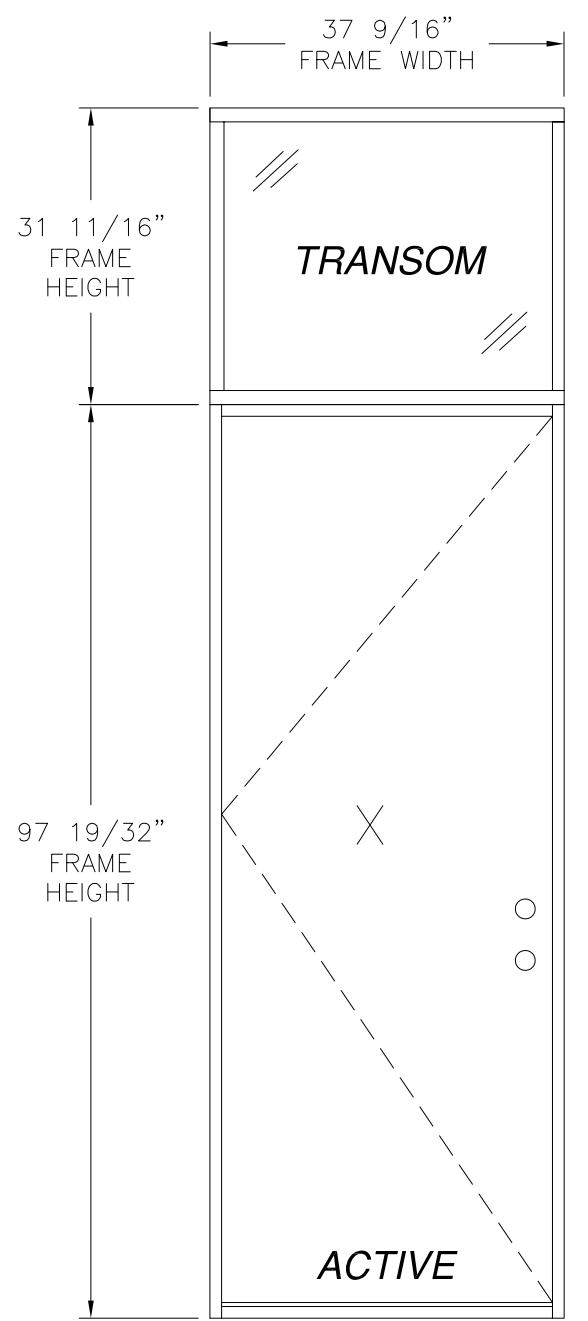
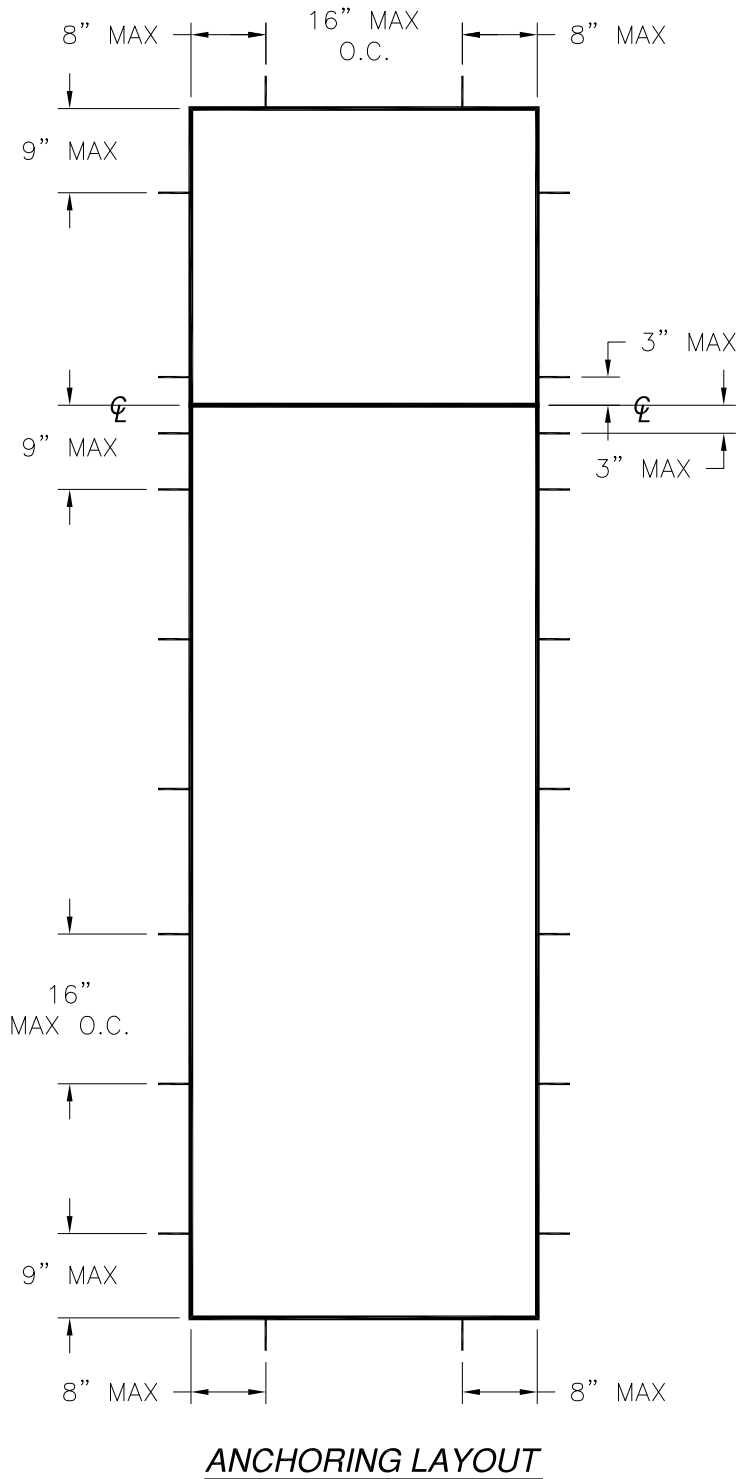
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HARDWARE SCHEDULE	
A.	F-SERIES LOCK ASSEMBLY DOOR KNOB BY SCHLAGE.
B.	B-SERIES DEADBOLT ASSEMBLY BY SCHLAGE.
C.	F-SERIES DEADBOLT ASSEMBLY BY SCHLAGE.
D.	RESIDENTIAL GRADE DOOR HANDLE ASSEMBLY BY EMTEK (ALTERNATE).
E.	MULTI-POINT LOCK HANDLE ASSEMBLY BY TRILENNIUM (ALTERNATE).
F.	(3) 4" x 4" BALL BEARING HINGES BY PENROD.
G.	(3) 4" x 4" SPRING BOMMER HINGES BY PENROD. (ALTERNATE)

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**SINGLE DOOR W/ TRANSOM**  
EXTERIOR VIEW

DESIGN PRESSURE RATING	IMPACT RATING
±55.0PSF	NONE
THIS SYSTEM WAS NOT TESTED FOR WATER INFILTRATION AND IS TO BE INSTALLED ONLY WHERE WATER RESISTANCE IS NOT REQUIRED	

35 3/4" x 94 15/16" PANEL SIZE SHOWN. OTHER SIZES ARE APPROVED AS LONG AS INDIVIDUAL PANEL AREA DOES NOT EXCEED 23.56 FT<sup>2</sup>

- D.L.O. NOTES:
1. TRANSOM D.L.O. WIDTH: 34 9/16"
  2. TRANSOM D.L.O. HEIGHT: 28 11/16"

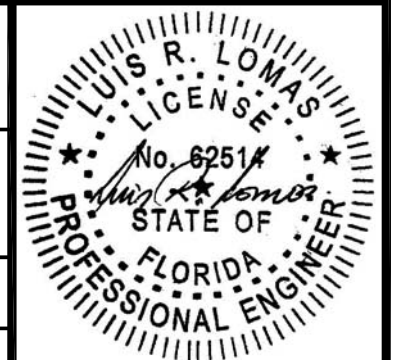
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STEEL/FIBERGLASS INSWING OPAQUE SINGLE DOOR  
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ELEVATION AND ANCHORING LAYOUT

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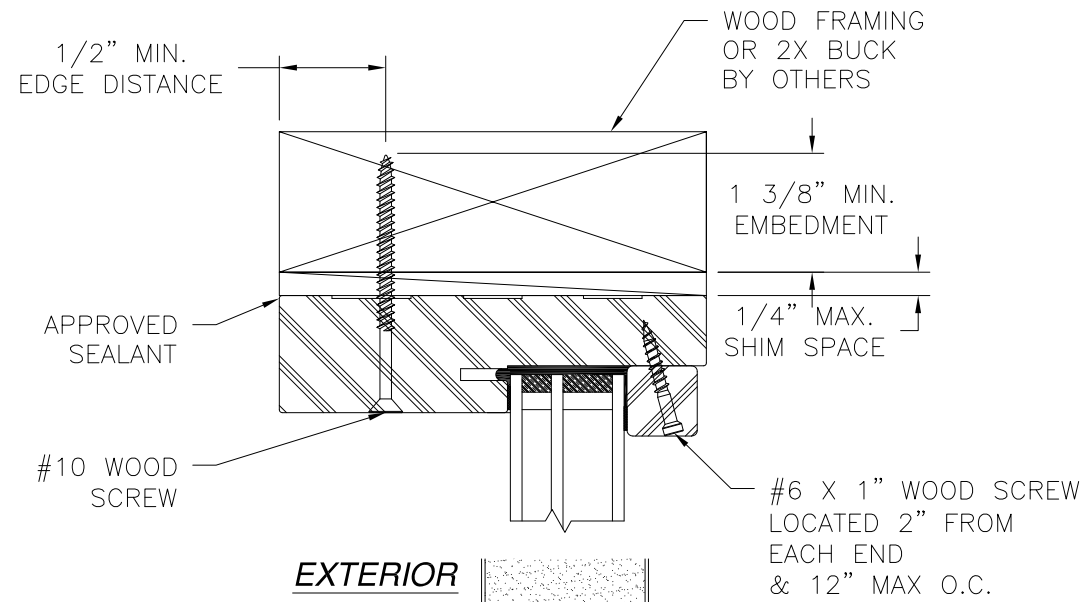
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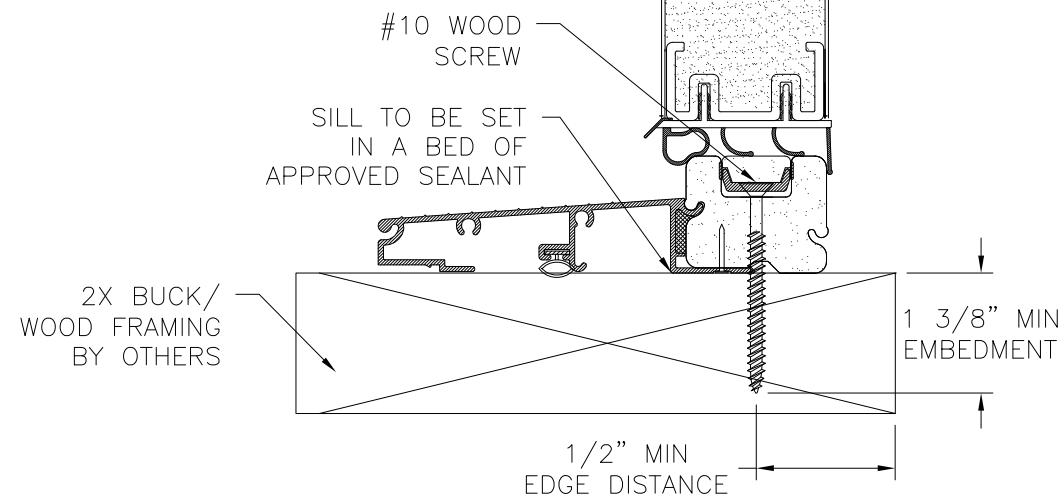


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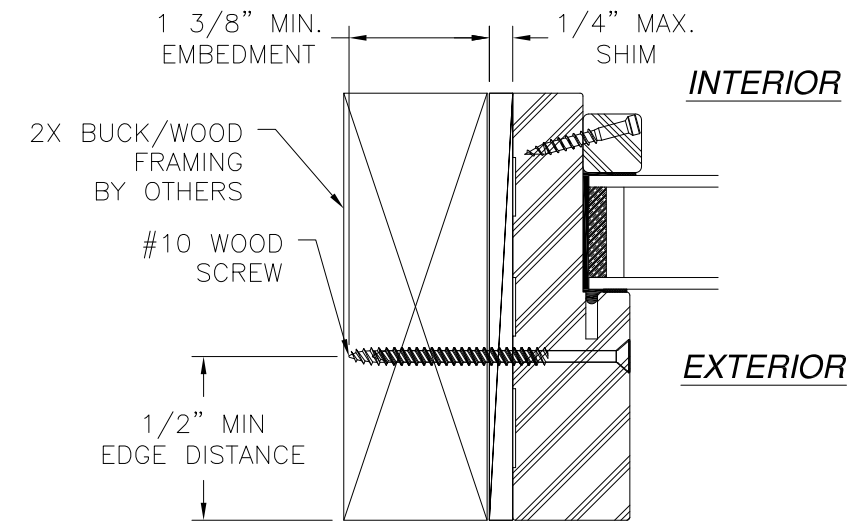
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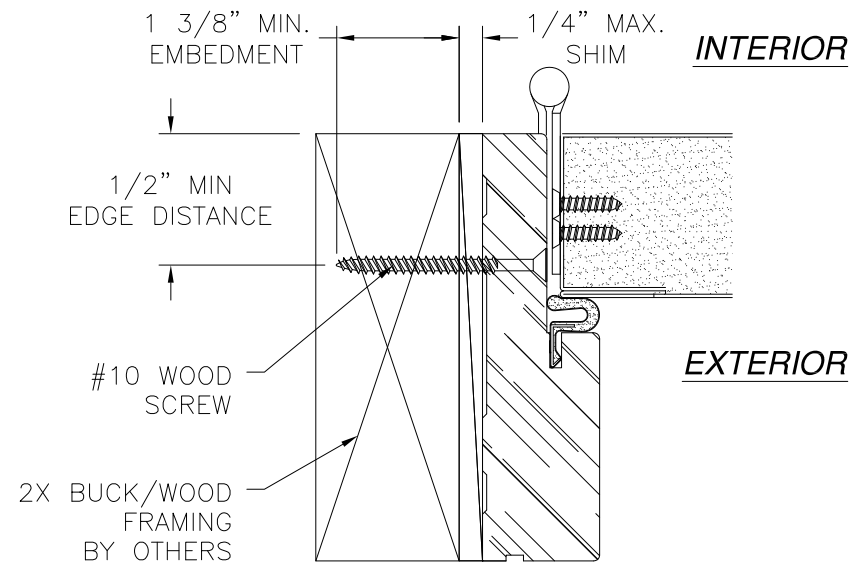
**VERTICAL CROSS SECTION**  
DOOR AND TRANSOM INSTALLATION - 2X BUCK/WOOD FRAMING



**HORIZONTAL CROSS SECTION**  
DOOR INSTALLATION - 2X BUCK/WOOD FRAMING



**HORIZONTAL CROSS SECTION**  
TRANSOM INSTALLATION 2X BUCK/WOOD FRAMING



- NOTES:
1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
  2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112

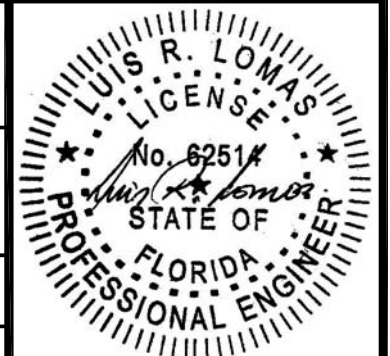
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INSTALLATION DETAILS

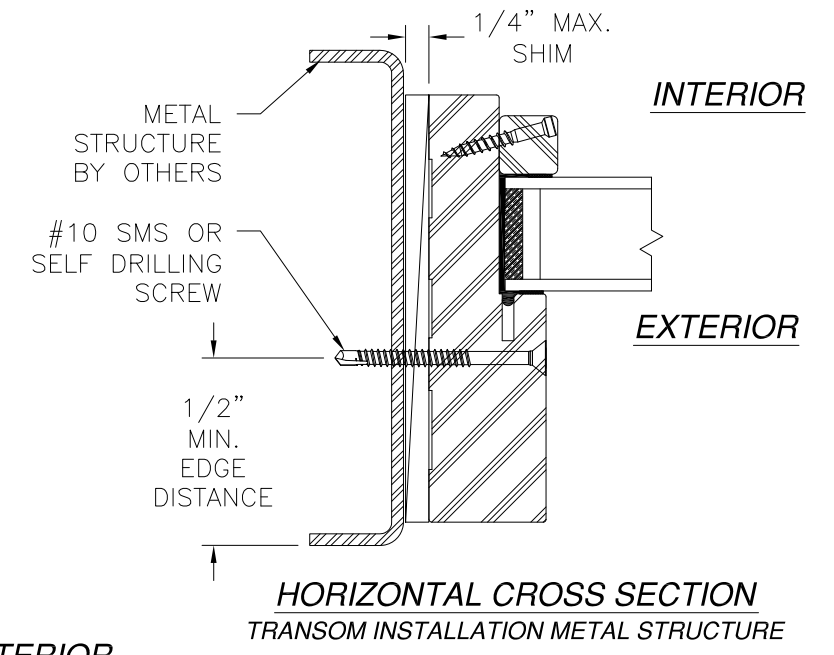
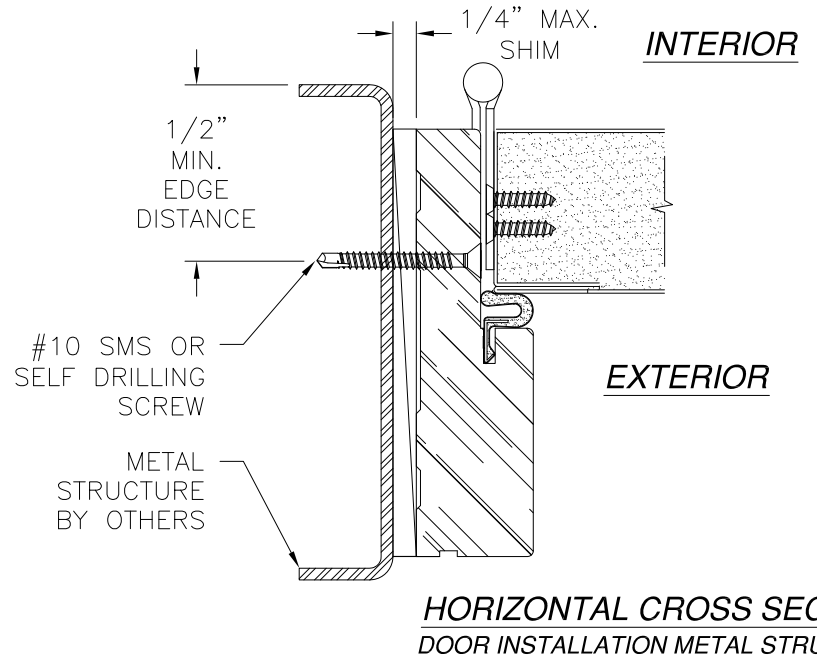
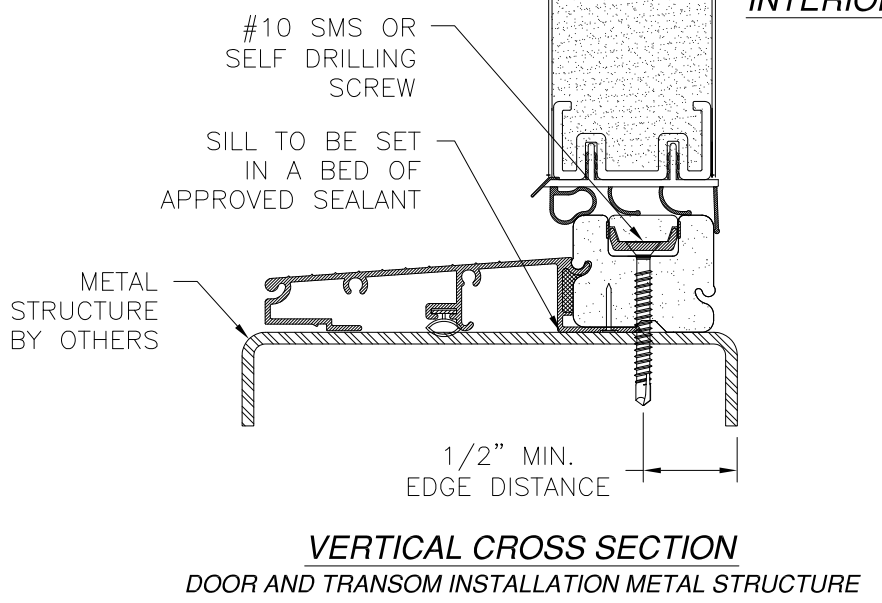
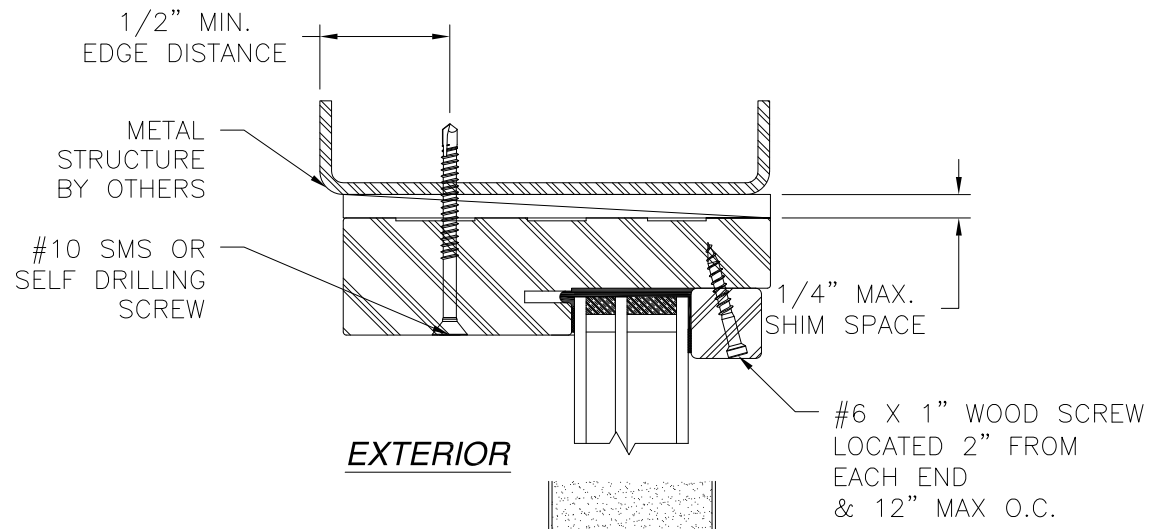
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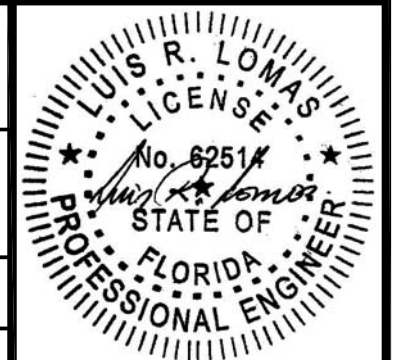
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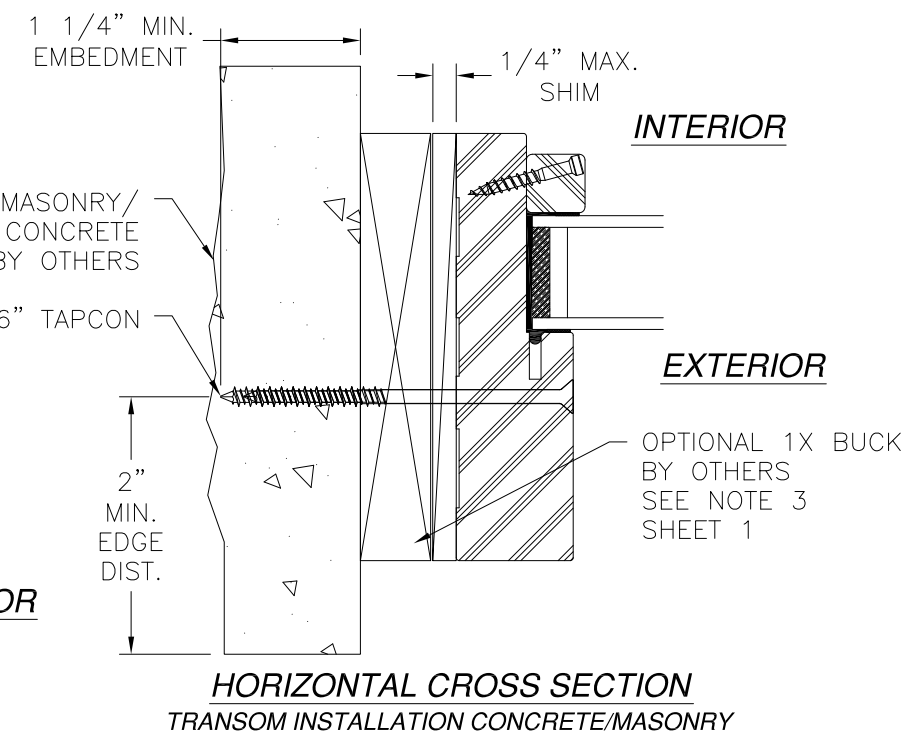
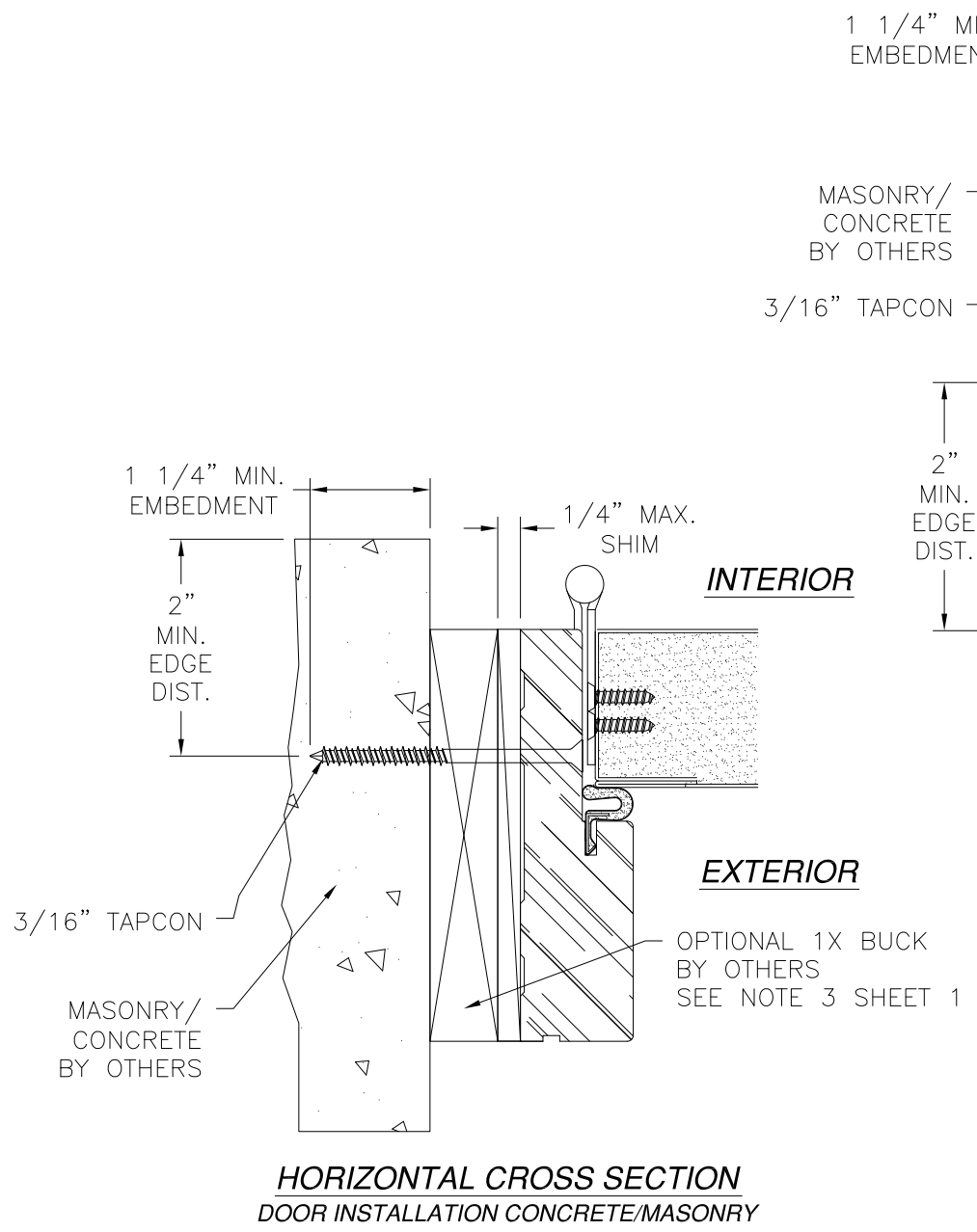
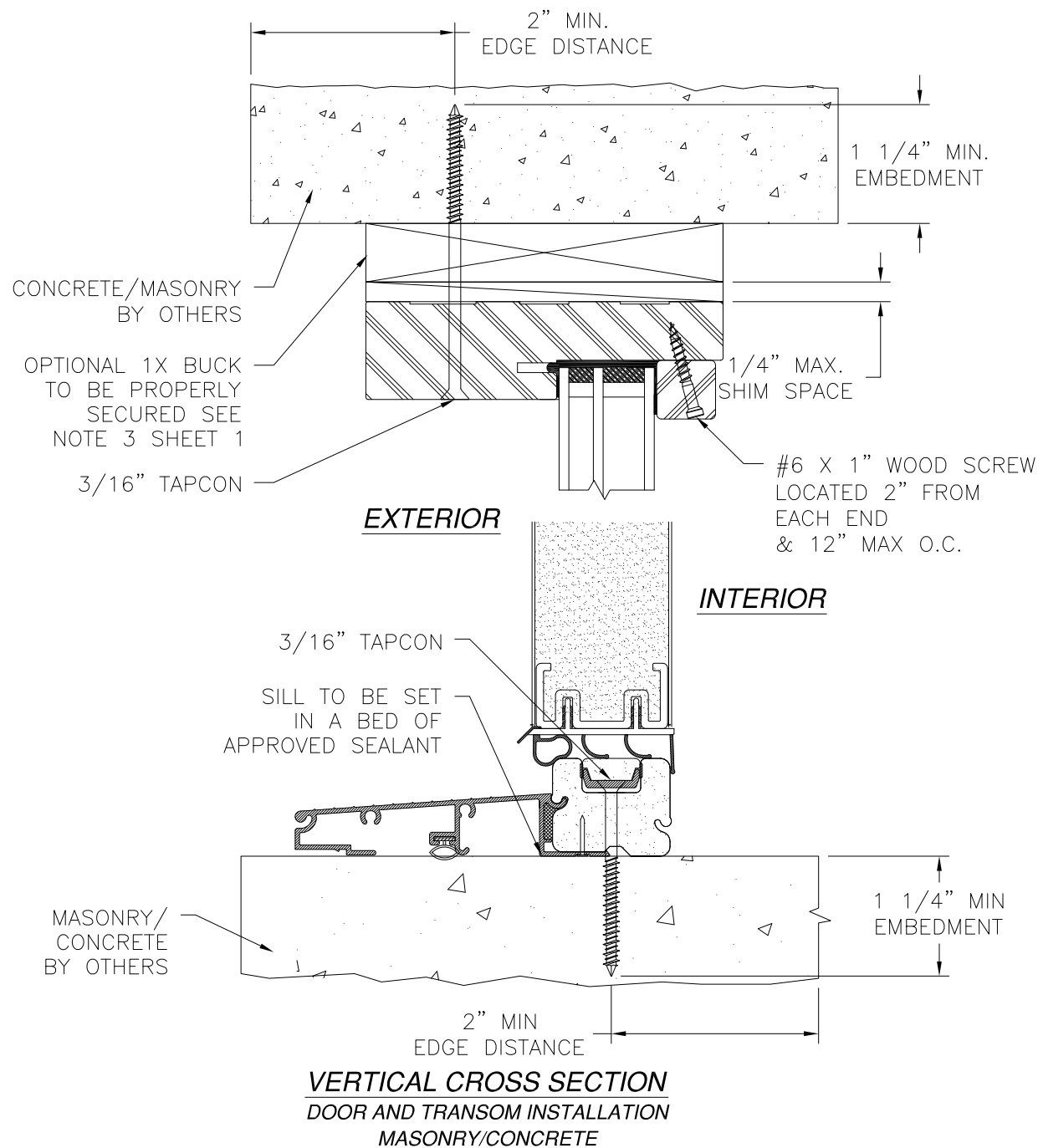
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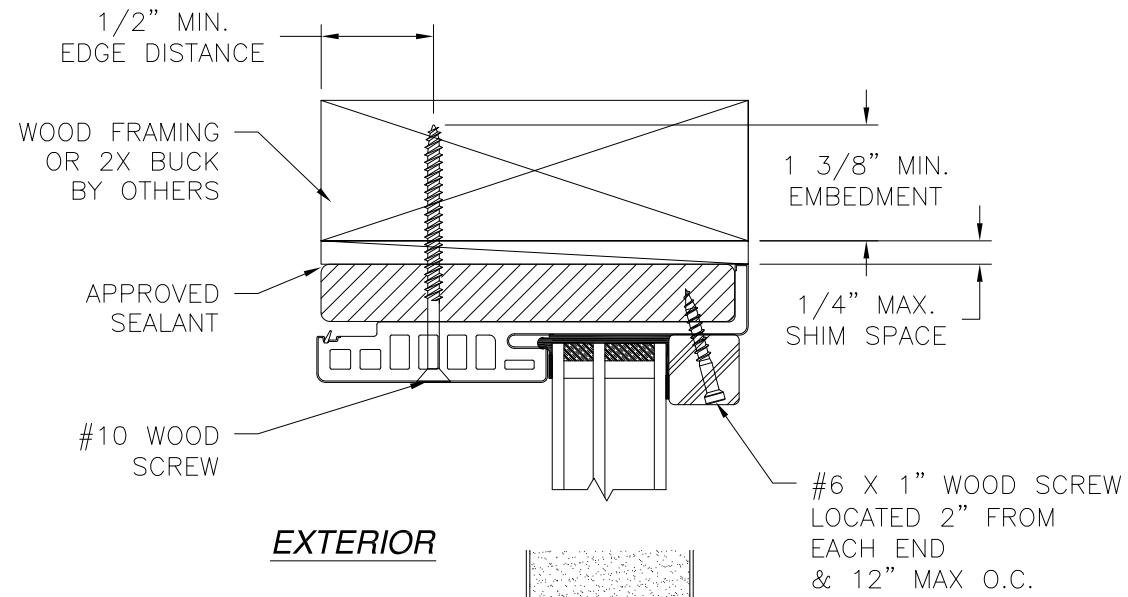
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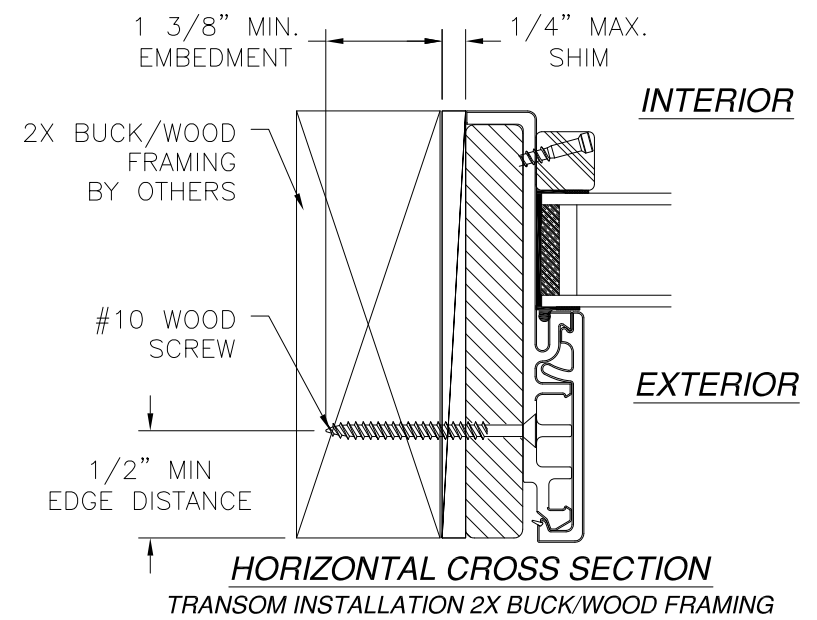
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**EXTERIOR**

**INTERIOR**

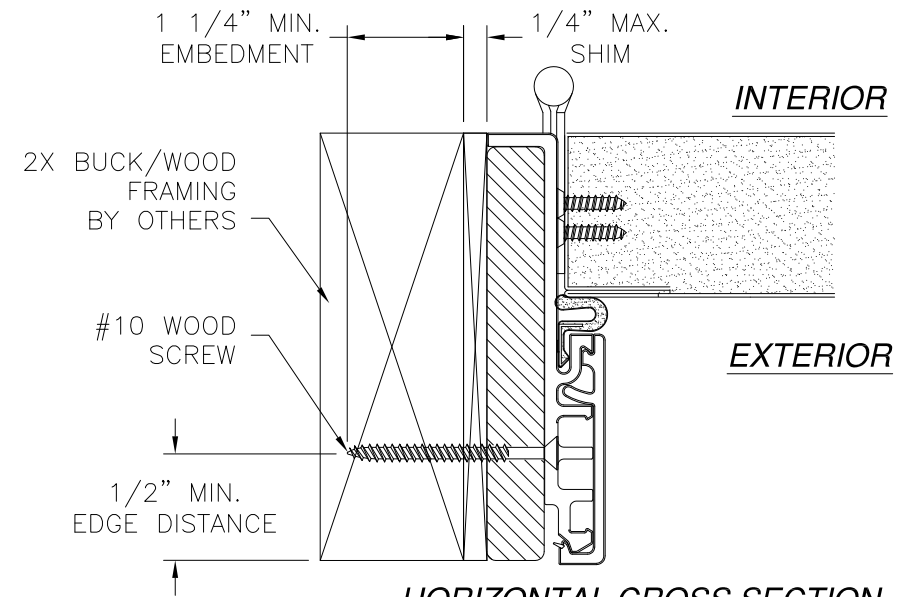
**VERTICAL CROSS SECTION**  
DOOR AND TRANSOM INSTALLATION - 2X BUCK/WOOD FRAMING



**INTERIOR**

**EXTERIOR**

**HORIZONTAL CROSS SECTION**  
TRANSOM INSTALLATION 2X BUCK/WOOD FRAMING



**INTERIOR**

**EXTERIOR**

**HORIZONTAL CROSS SECTION**  
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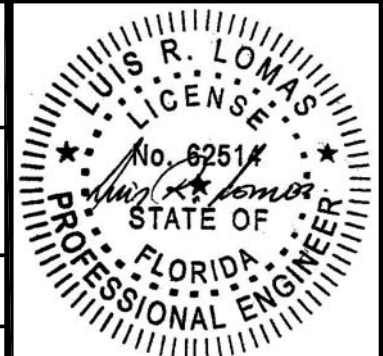
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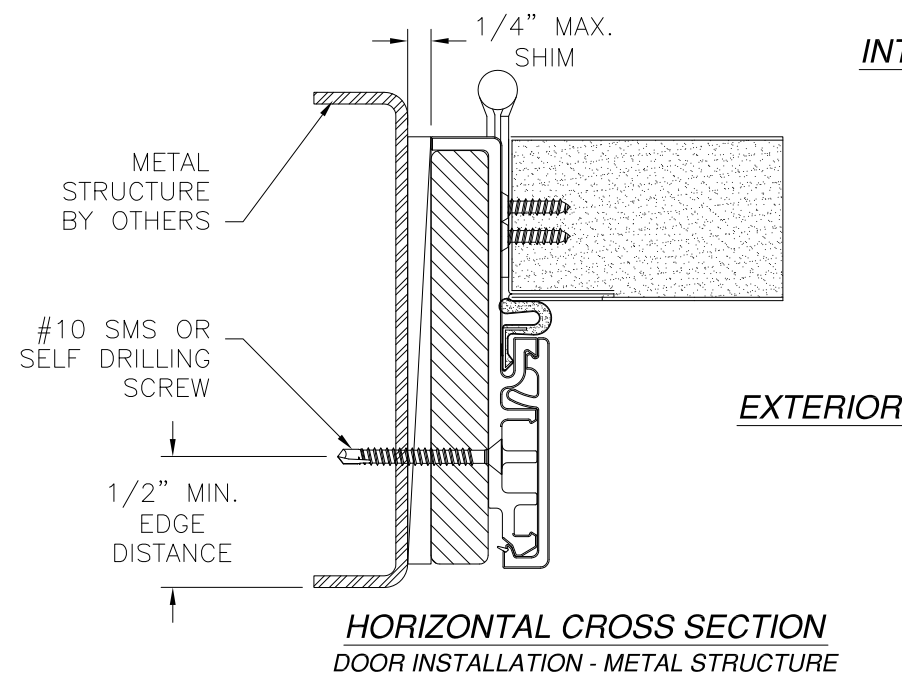
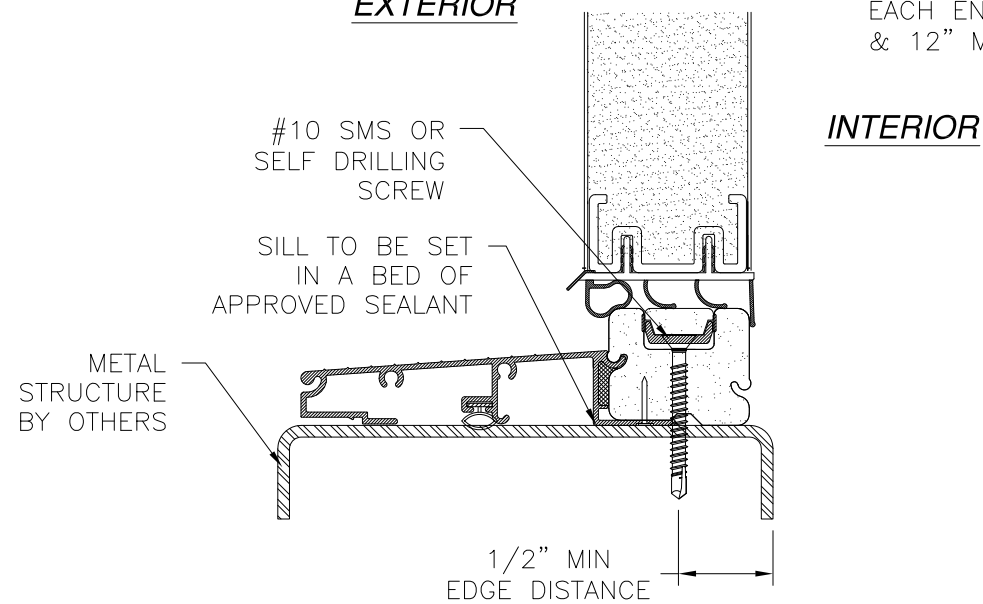
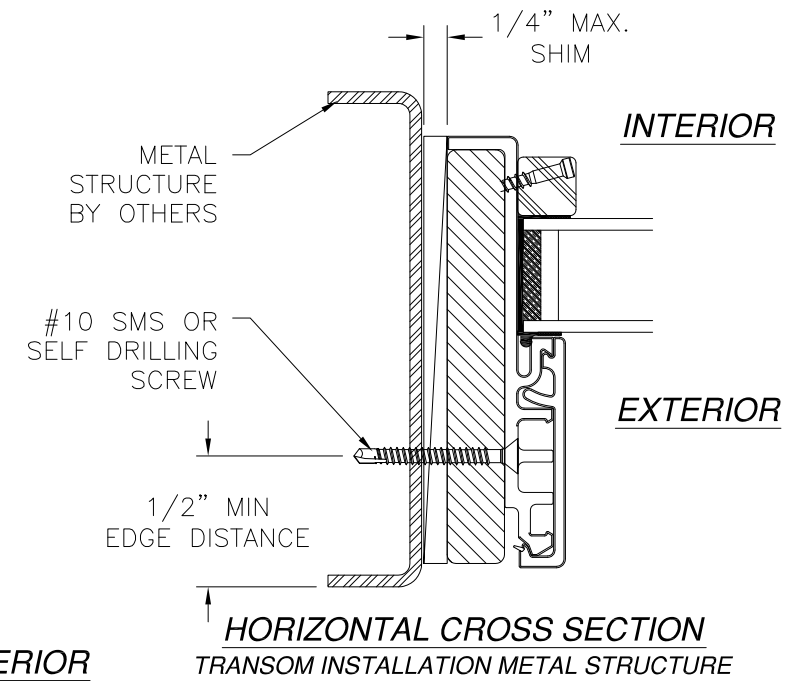
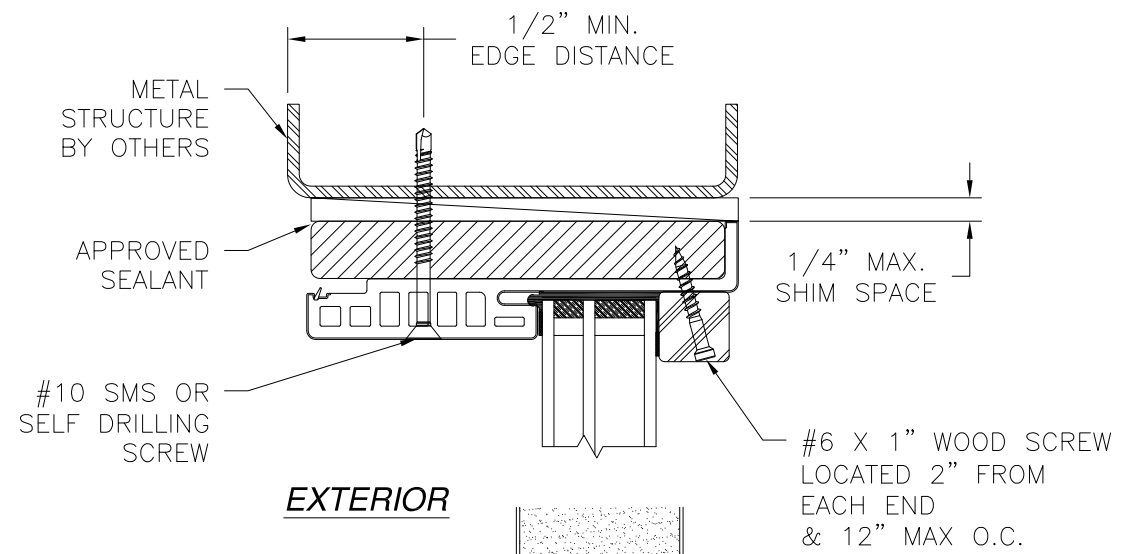
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**VERTICAL CROSS SECTION**  
DOOR AND TRANSOM INSTALLATION - METAL STRUCTURE

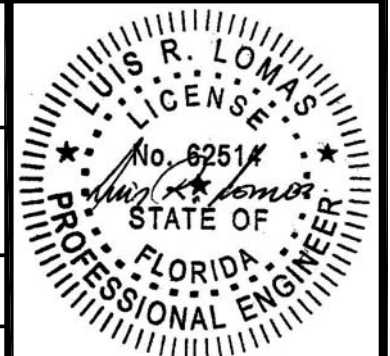
**HORIZONTAL CROSS SECTION**  
DOOR INSTALLATION - METAL STRUCTURE

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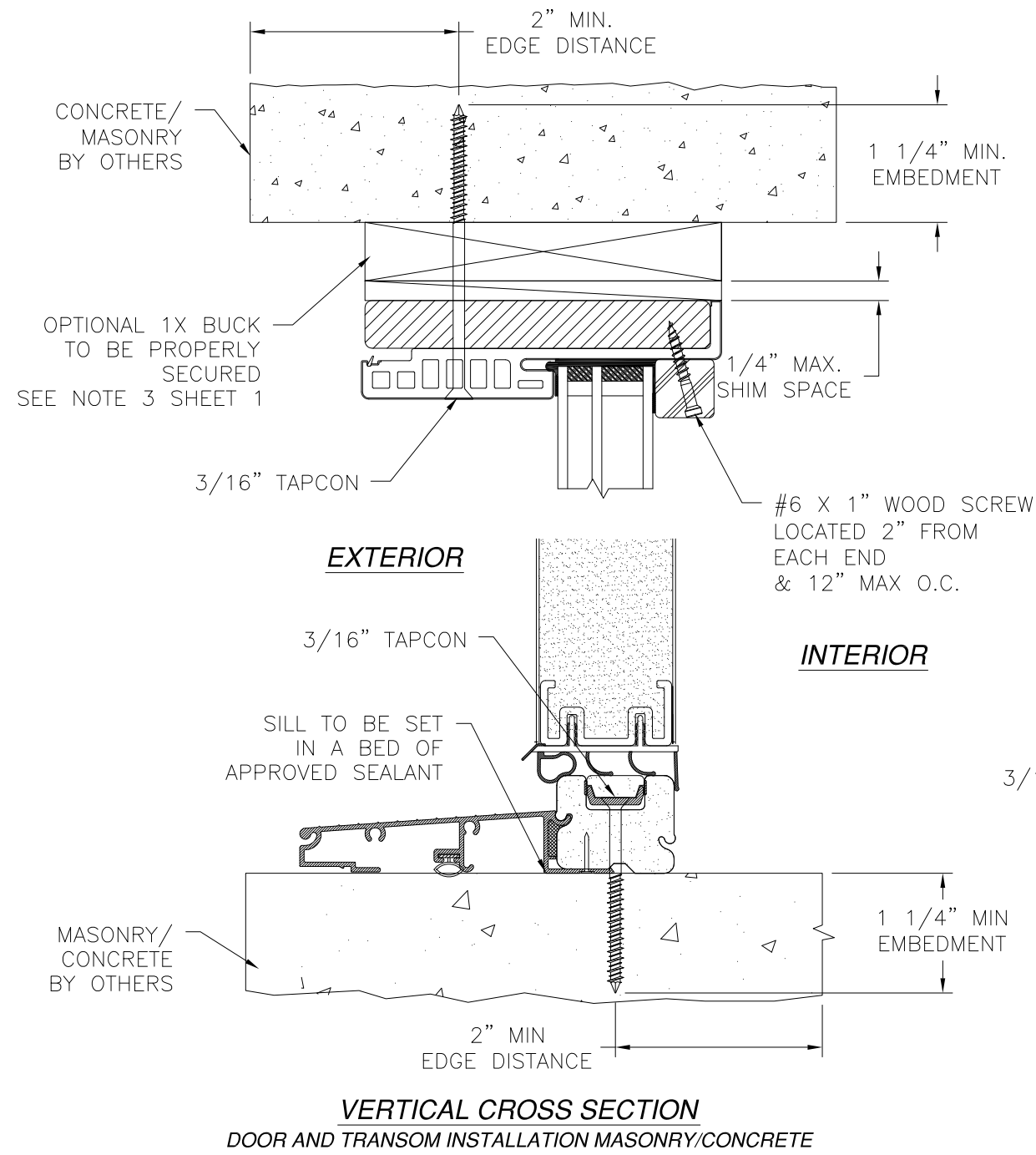
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STEEL/FIBERGLASS INSWING OPAQUE SINGLE DOOR W/TRANSOM NON-IMPACT INSTALLATION DETAILS W/FUSION FRAME		
DRAWN: N.G.	DWG NO. 08-02083	REV G
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L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@rlomaspe.com		

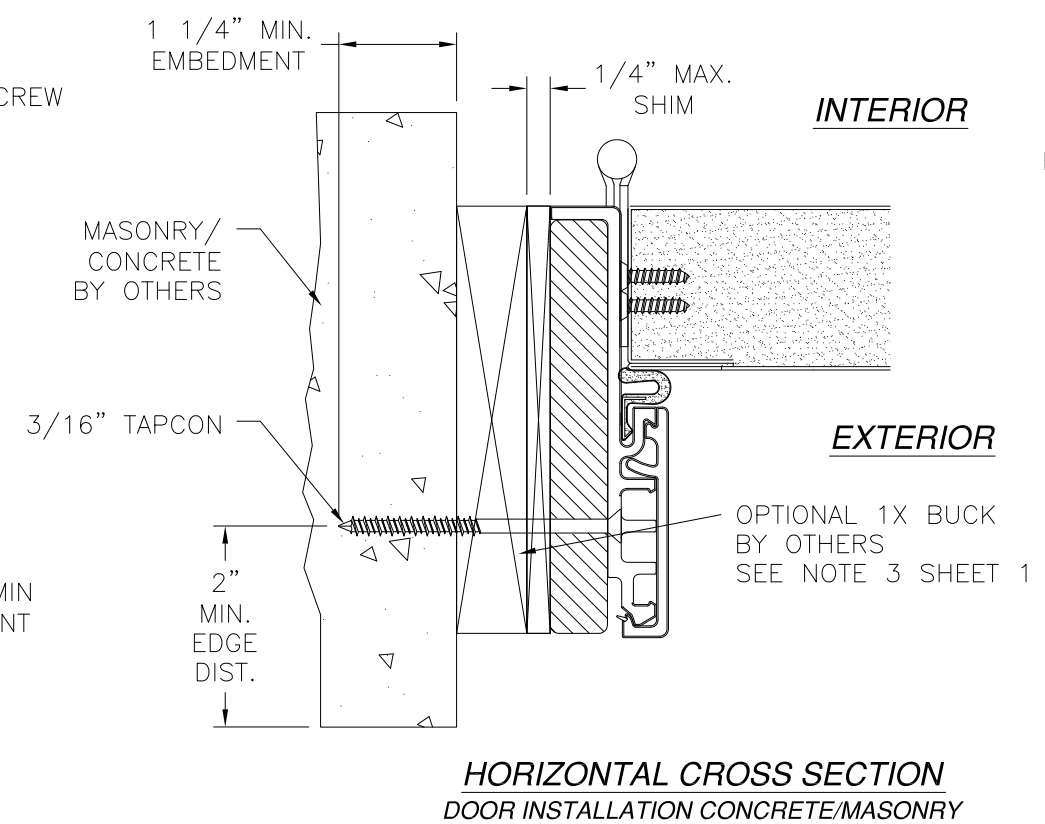


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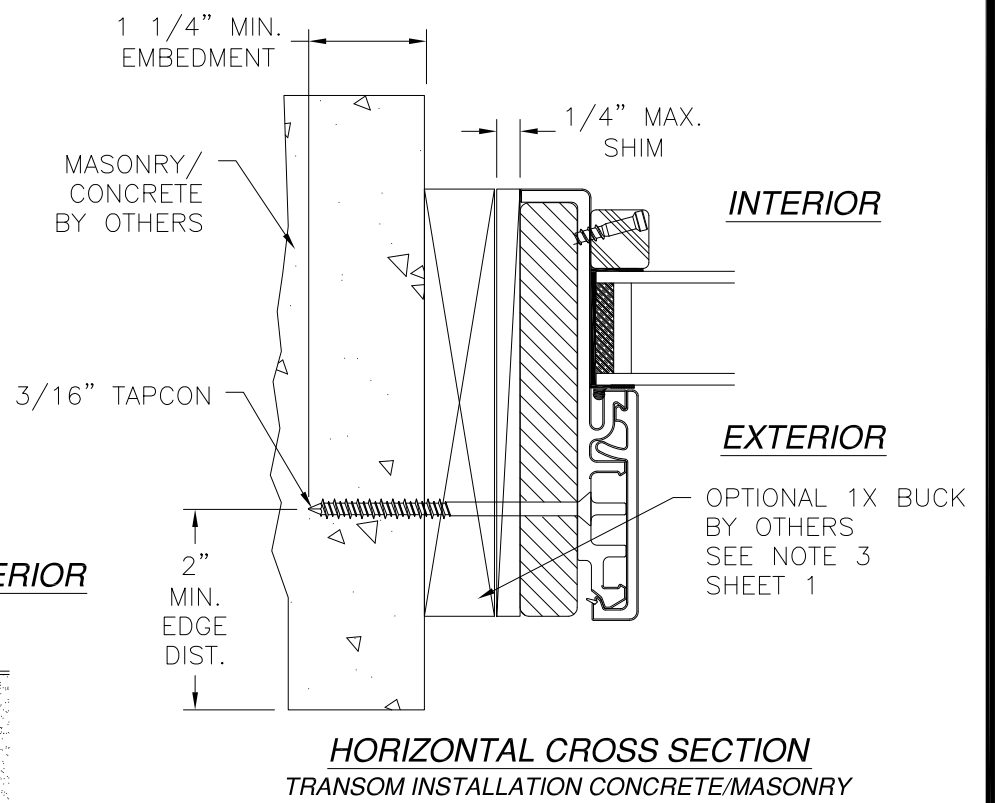
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**VERTICAL CROSS SECTION**  
DOOR AND TRANSOM INSTALLATION MASONRY/CONCRETE



**HORIZONTAL CROSS SECTION**  
DOOR INSTALLATION CONCRETE/MASONRY



**HORIZONTAL CROSS SECTION**  
TRANSOM INSTALLATION CONCRETE/MASONRY

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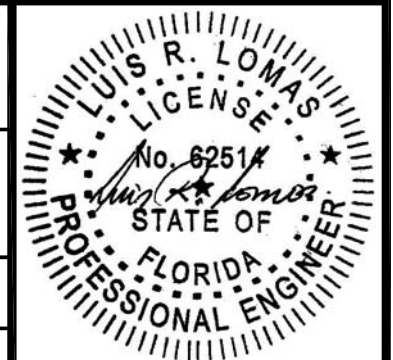
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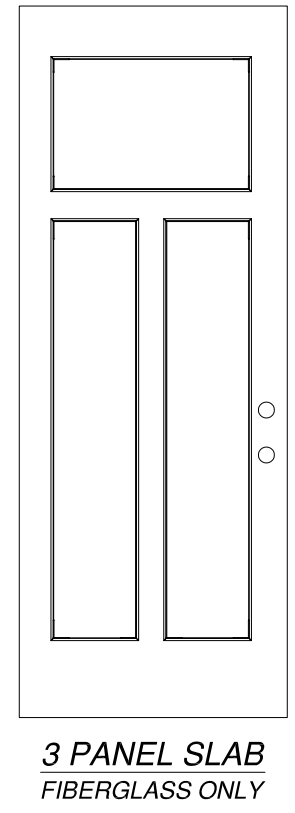
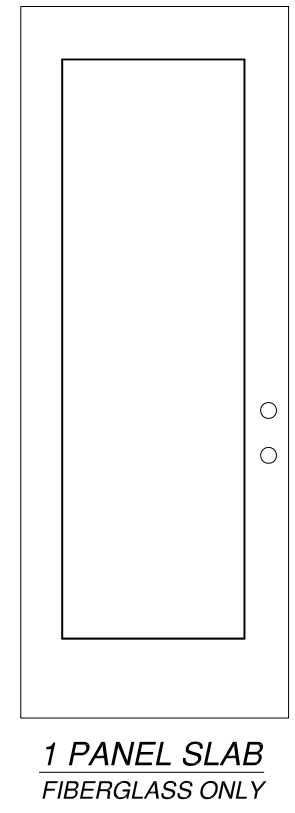
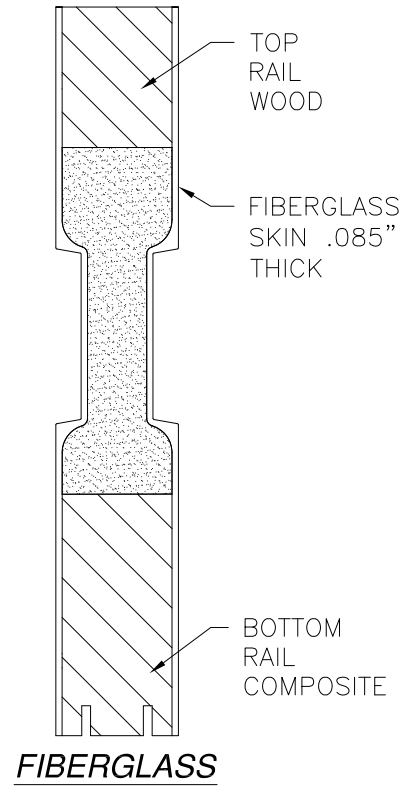
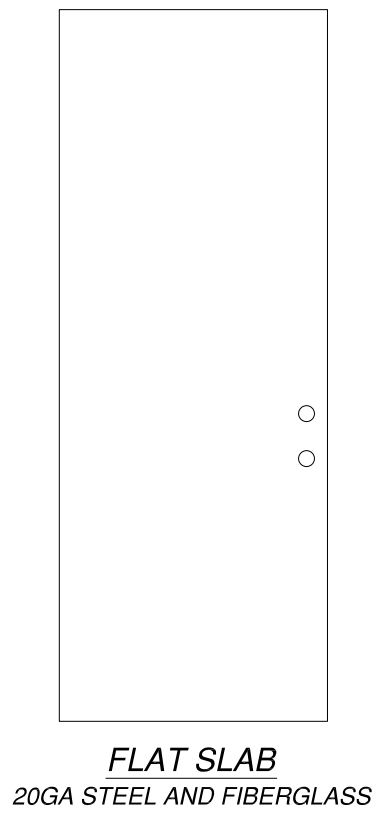
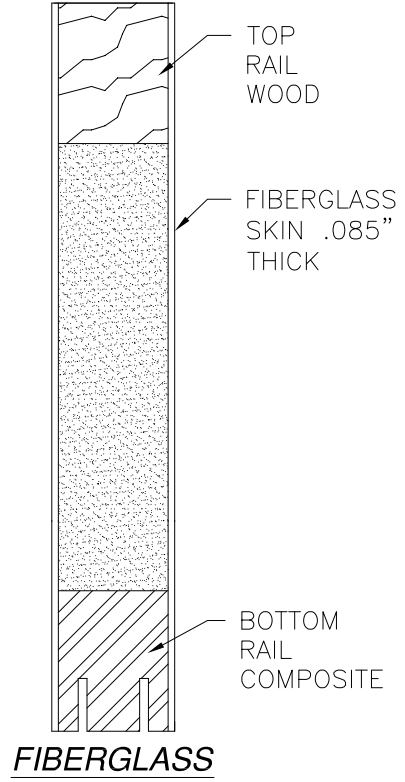
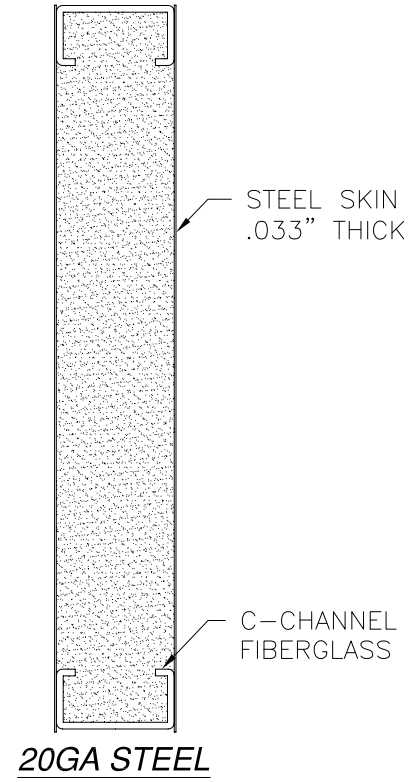
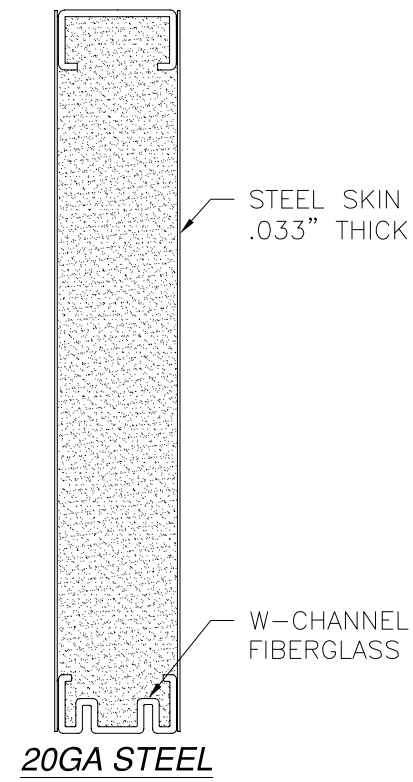


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# APPROVED SLABS AND CROSS SECTIONS

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STEEL/FIBERGLASS INSWING OPAQUE SINGLE DOOR  
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COMPONENTS

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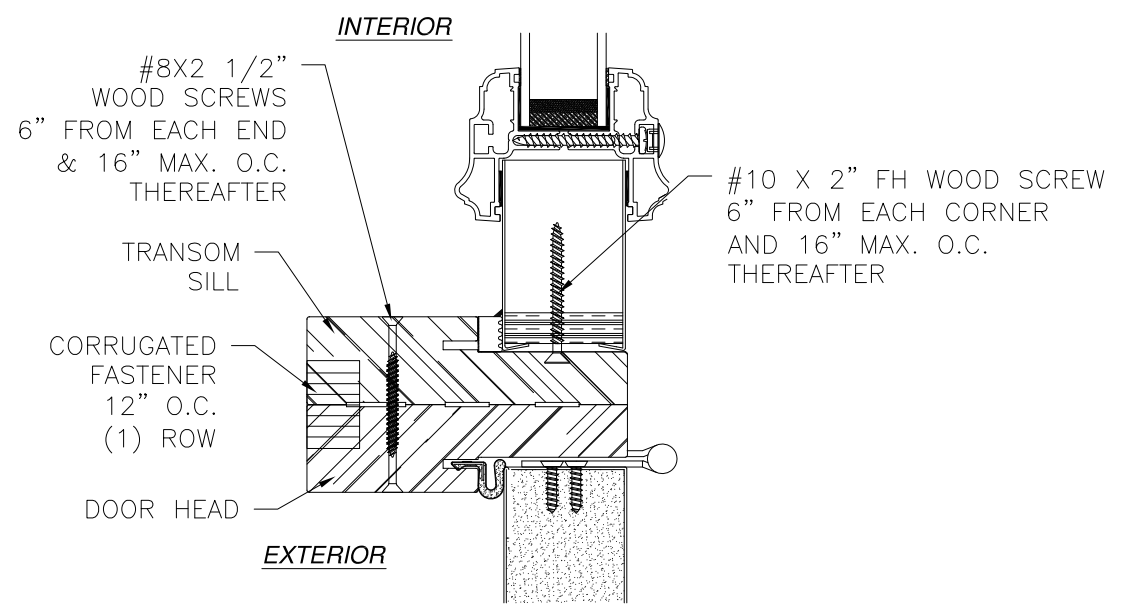
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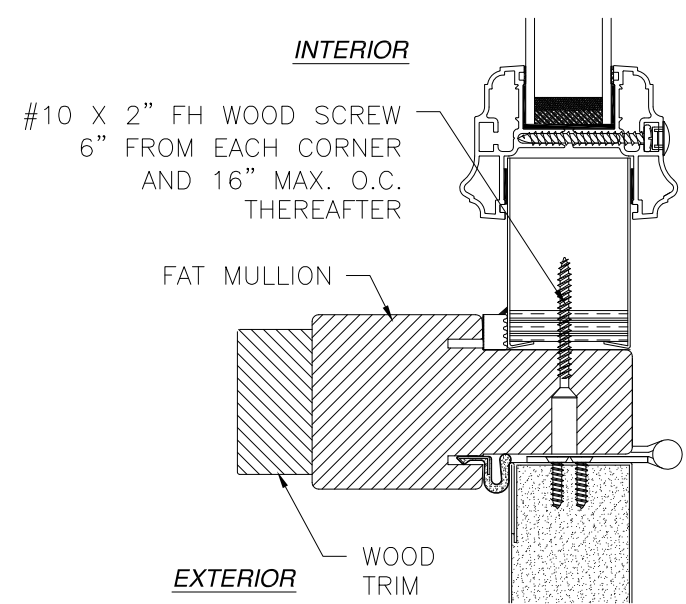


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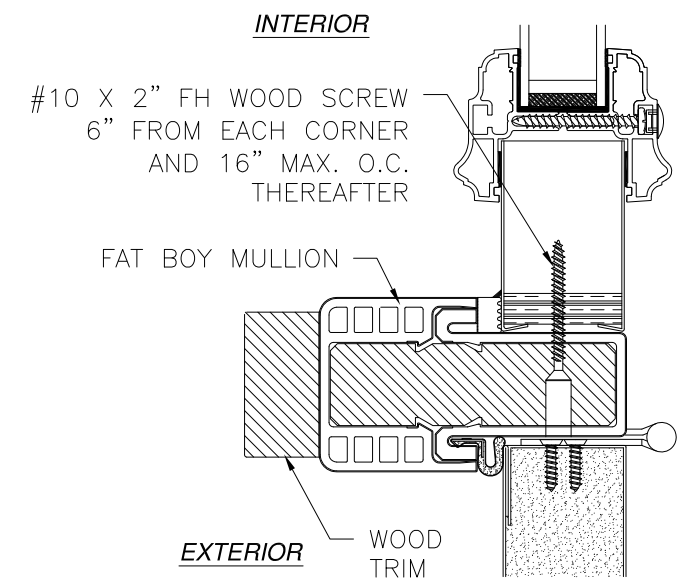
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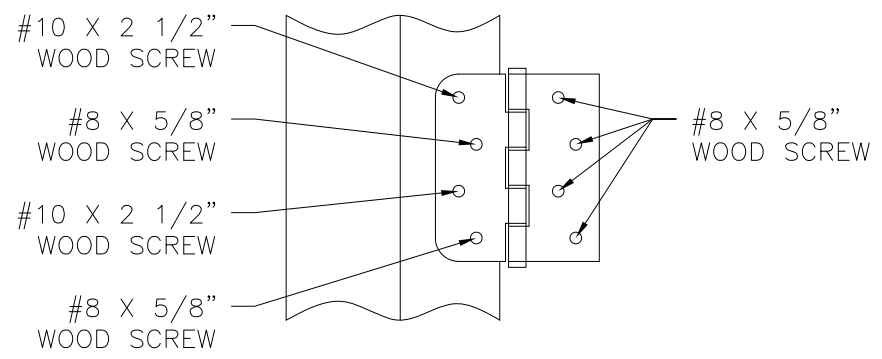
**HORIZONTAL MULLION DETAIL**  
STANDARD FRAME SHOWN,  
COMPOSITE AND FUSION FRAME SIMILAR



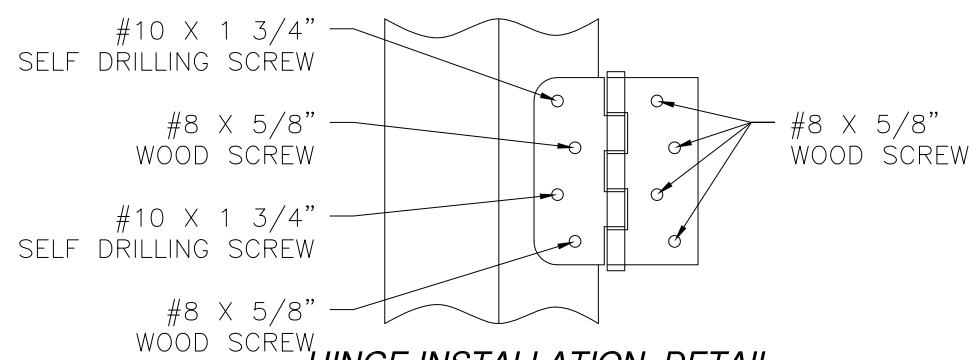
**MULLION DETAIL**  
WITH FAT BOY MULLION



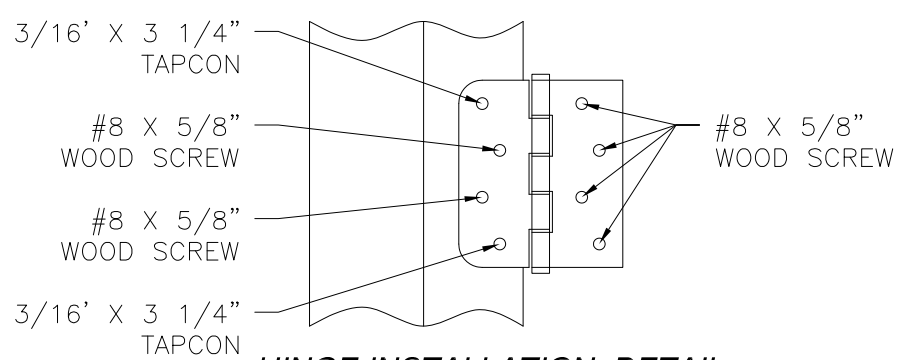
**MULLION DETAIL**  
WITH HYBRID FAT BOY MULLION



**HINGE INSTALLATION DETAIL**  
2X BUCK/WOOD FRAMING



**HINGE INSTALLATION DETAIL**  
METAL STRUCTURE



**HINGE INSTALLATION DETAIL**  
MASONRY/CONCRETE

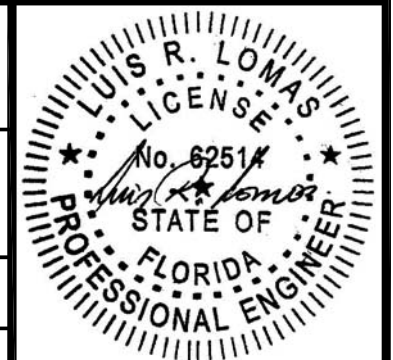
**PROVIA, LLC.**  
2150 STATE ROUTE 39 WEST  
SUGARCREEK, OH 44681

STEEL/FIBERGLASS INSWING OPAQUE SINGLE DOOR  
W/TRANSOM NON-IMPACT  
MULLION DETAILS

DRAWN: N.G.	DWG NO. 08-02083	REV G
SCALE NTS	DATE 06/20/13	SHEET 10 OF 11

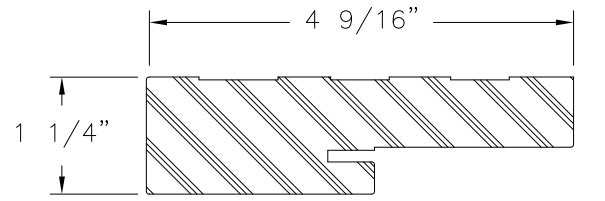
L. ROBERTO LOMAS P.E.  
1432 WOODFORD RD LEWISVILLE, NC 27023  
434-688-0609 rllomas@rlomaspe.com

SIGNED: 01/29/2021

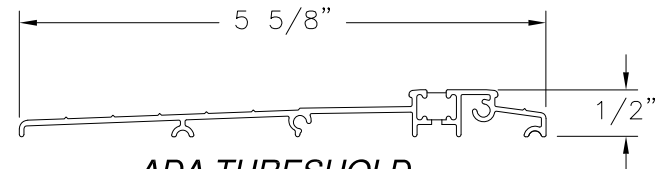


Luis R. Lomas P.E.  
FL No.: 62514

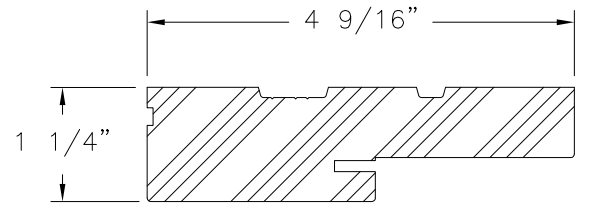
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
G	REVISED SLAB OPTIONS	01/29/2021	R.L.



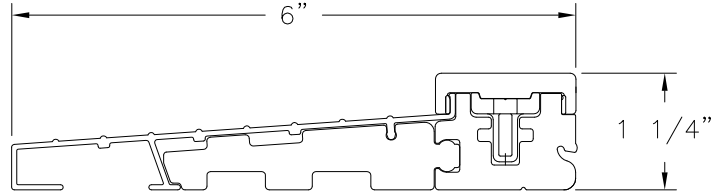
**COMPOSITE FRAME PROFILE**



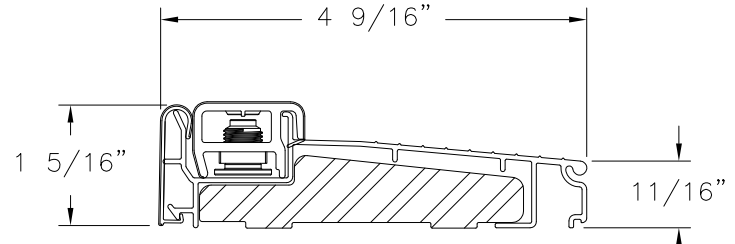
**ADA THRESHOLD**



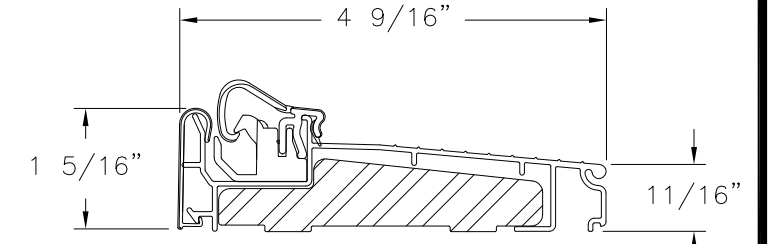
**WOOD FRAME PROFILE**



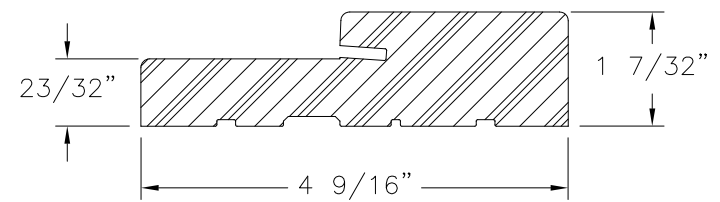
**STANDARD INSWING THRESHOLD**



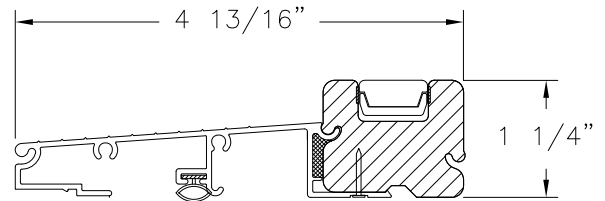
**INSWING SILL ZAIL4565**



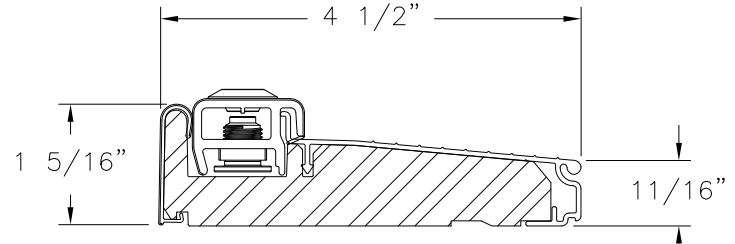
**INSWING SILL ZAFL4565**



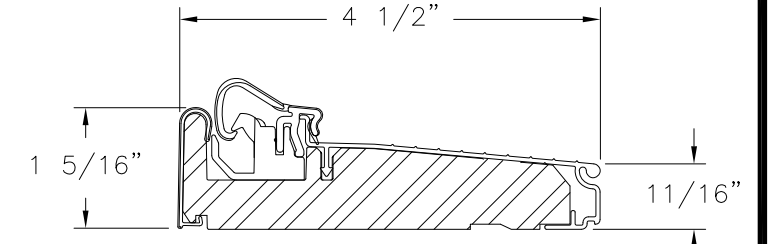
**FRAMESAVER COMPOSITE**



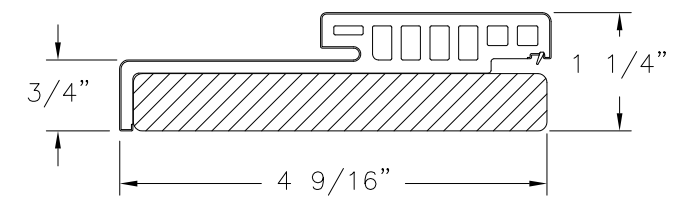
**SAHARA INSWING THRESHOLD**



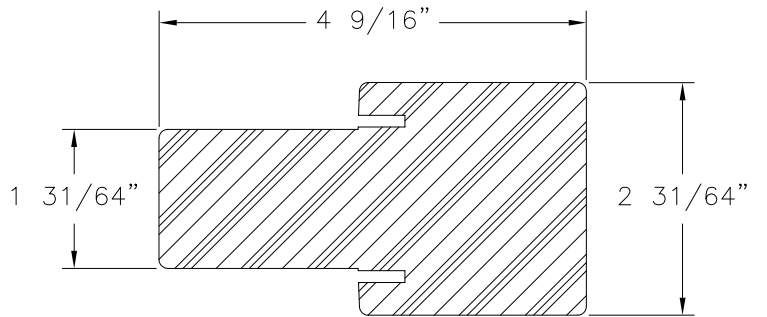
**INSWING SILL ZAI4565F**



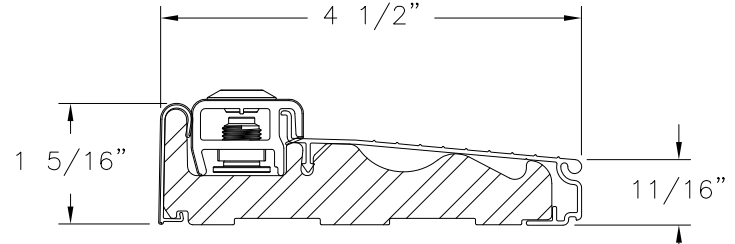
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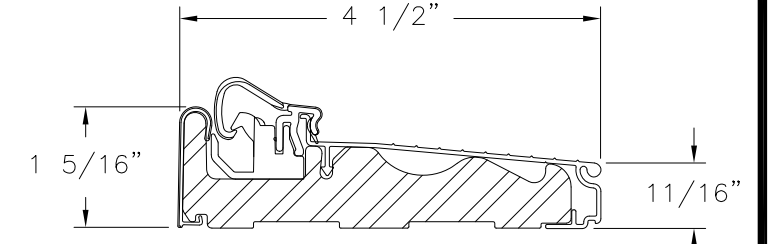
**HYBRID HEAD WOOD/COMPOSITE**



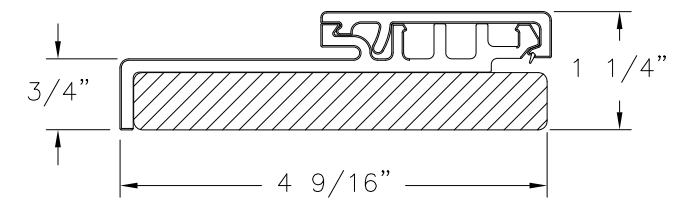
**FAT BOY MULLION COMPOSITE**



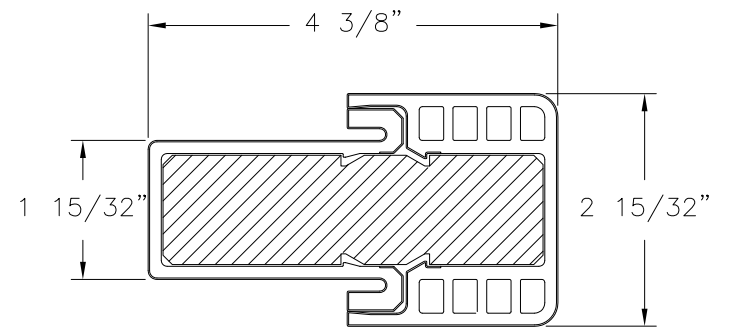
**INSWING SILL ZAILH4565**



**INSWING SILL ZAFLH4565**



**HYBRID JAMB WOOD/COMPOSITE**



**HYBRID FAT BOY MULLION COMPOSITE**

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