

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
H	ADDED MULTILITE PANELS & TRIMS	08/12/2021	R.L.

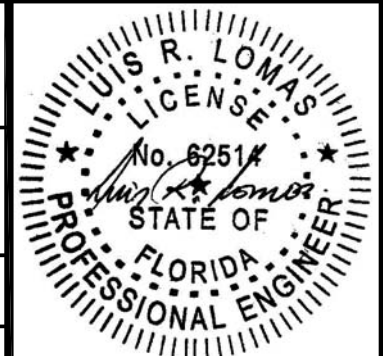
NOTES:

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.
DOOR SKIN MATERIAL: STEEL .033" THICK (MINIMUM)
SIDELITE SKIN MATERIAL: STEEL .022" THICK (MINIMUM)
6. UNITS MUST BE GLAZED PER ASTM E1300, SEE SHEET 9 FOR GLASS DETAILS.
7. APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS UP TO WIND ZONE 3.
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 3/4" 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 – GROUT FILLED 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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PROVIA, LLC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
STEEL INSWING GLAZED SINGLE DOOR W/TRANSOM – IMPACT NOTES		
DRAWN: J.L.	DWG NO. 08-01942	REV H
SCALE NTS	DATE 04/22/13	SHEET 1 OF 12
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@rlomaspe.com		

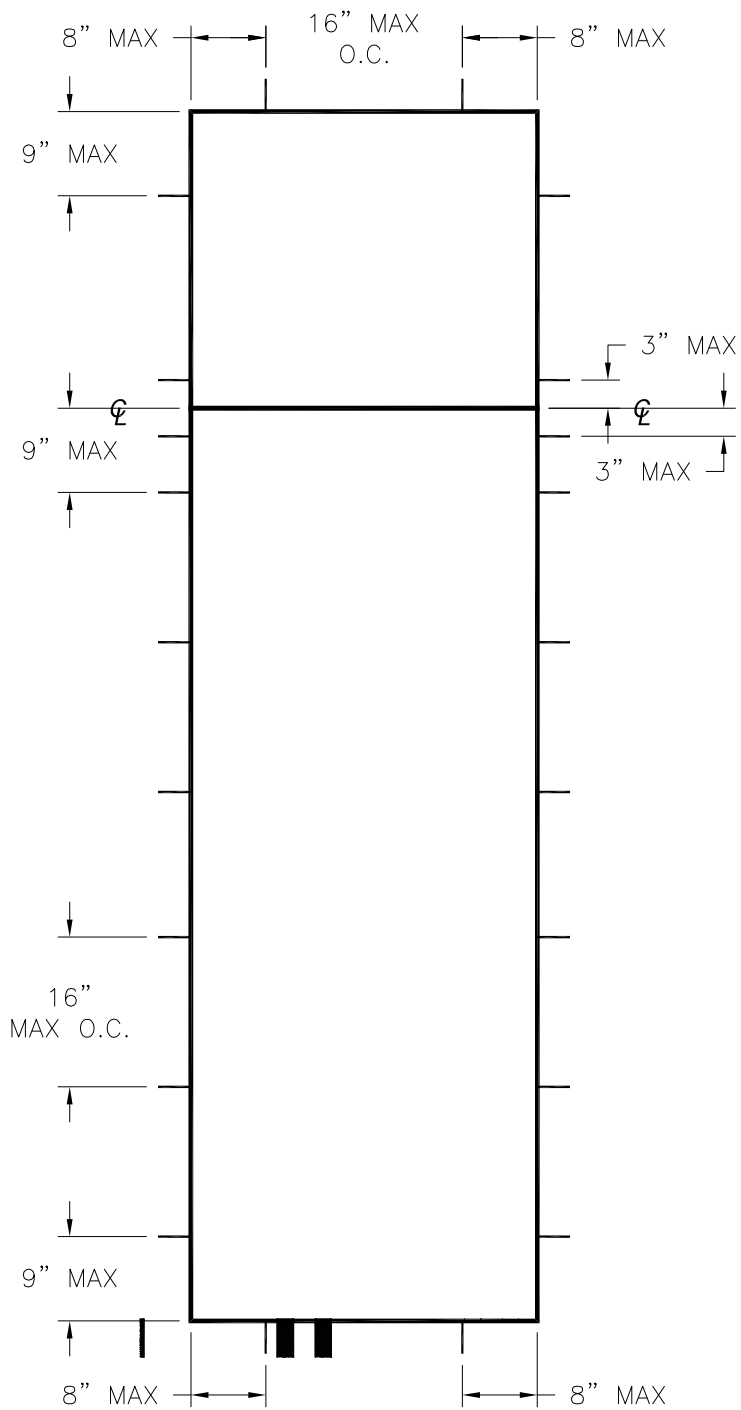
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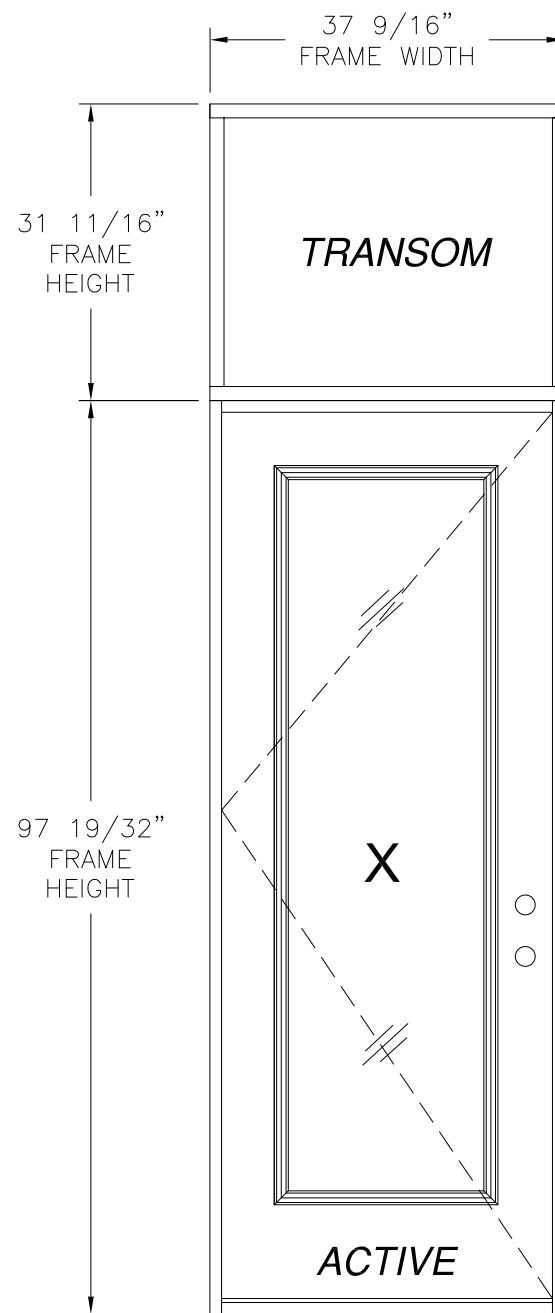
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FL No.: 62514

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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ANCHORING LAYOUT



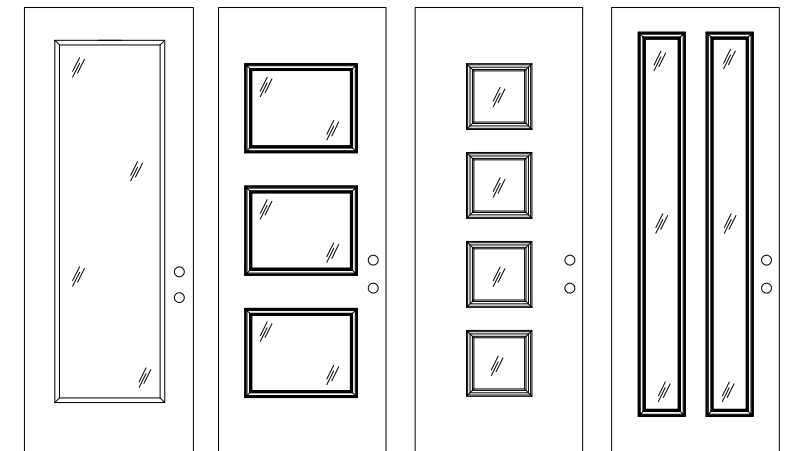
**SINGLE DOOR W/ TRANSOM
EXTERIOR VIEW**

DESIGN PRESSURE RATING	IMPACT RATING
±55.0PSF	LARGE MISSILE IMPACT

MISSILE LEVEL D, WIND ZONE 3

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 FT²

APPROVED LITE CONFIGURATIONS



FULL LITE 3 LITE 4 LITE 2 LITE
LITE CONFIGURATIONS SHOWN ARE FOR REFERENCE ONLY. MULTIPLE LITE CONFIGURATIONS ARE APPROVED AS LONG AS LITE SIZE DOES NOT EXCEED 11.1 FT²

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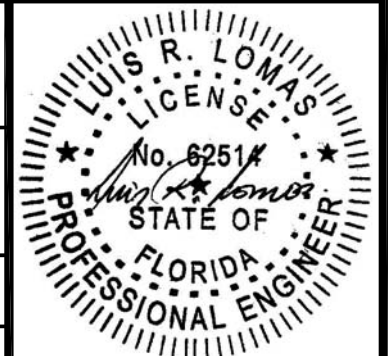
2150 STATE ROUTE 39 WEST
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STEEL INSWING GLAZED SINGLE DOOR
W/TRANSOM – IMPACT
ELEVATION AND ANCHORING LAYOUT

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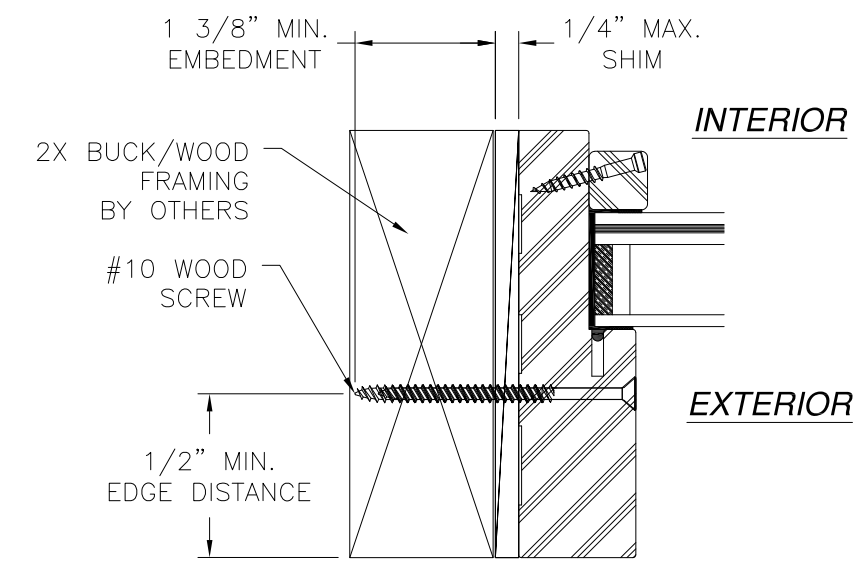
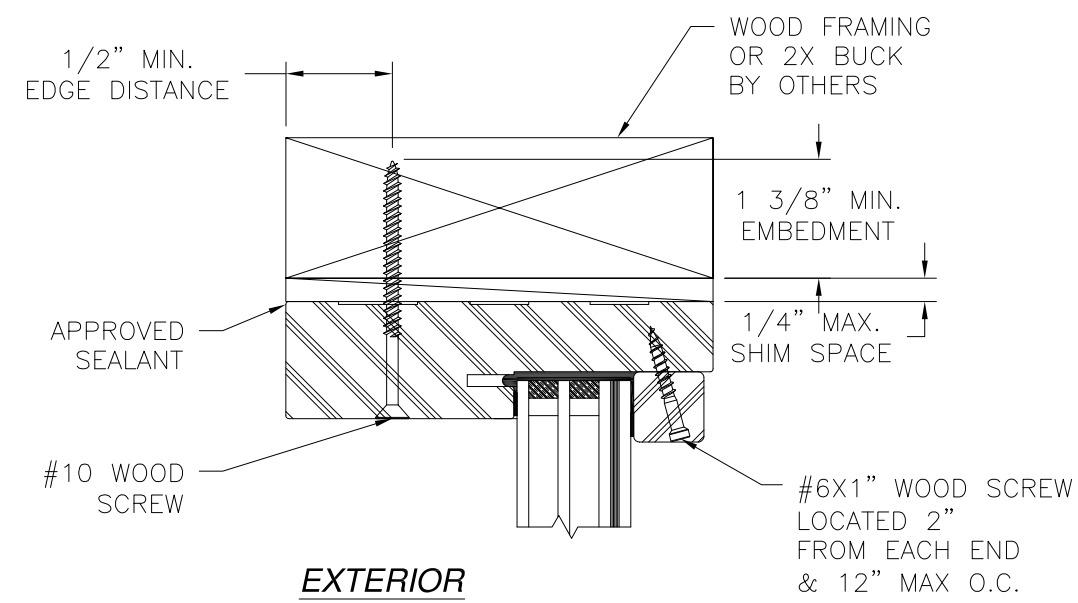
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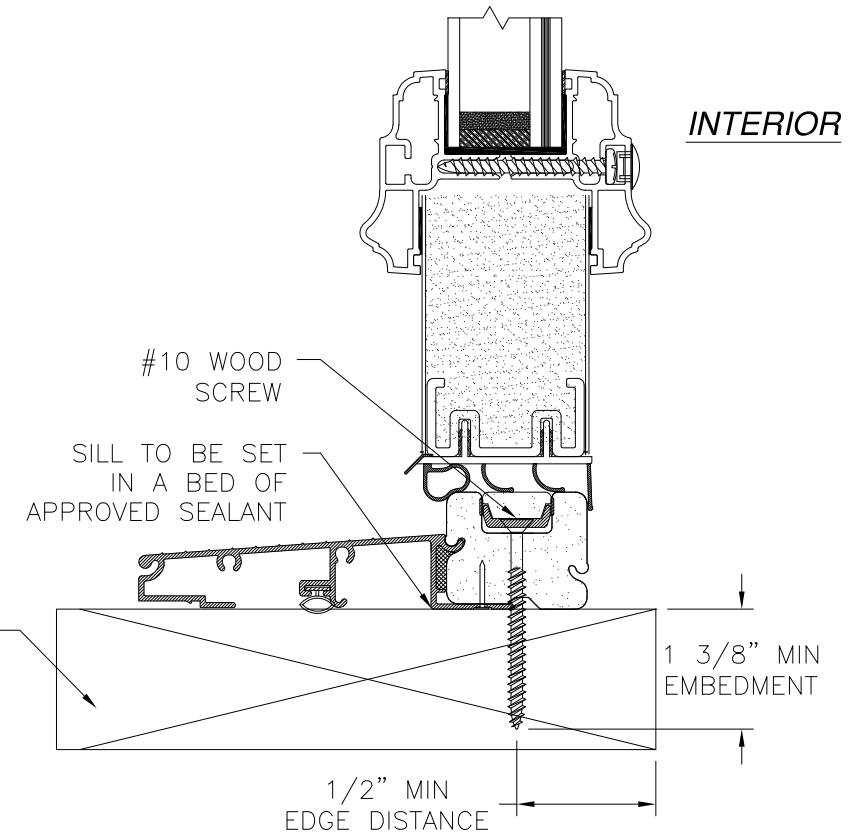


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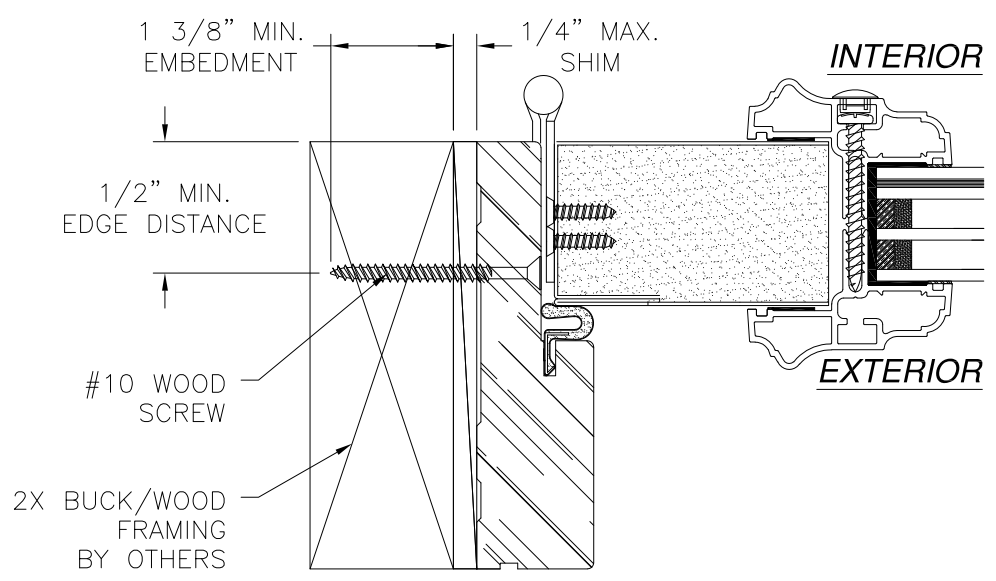
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HORIZONTAL CROSS SECTION
TRANSOM INSTALLATION 2X BUCK/WOOD FRAMING



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



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

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

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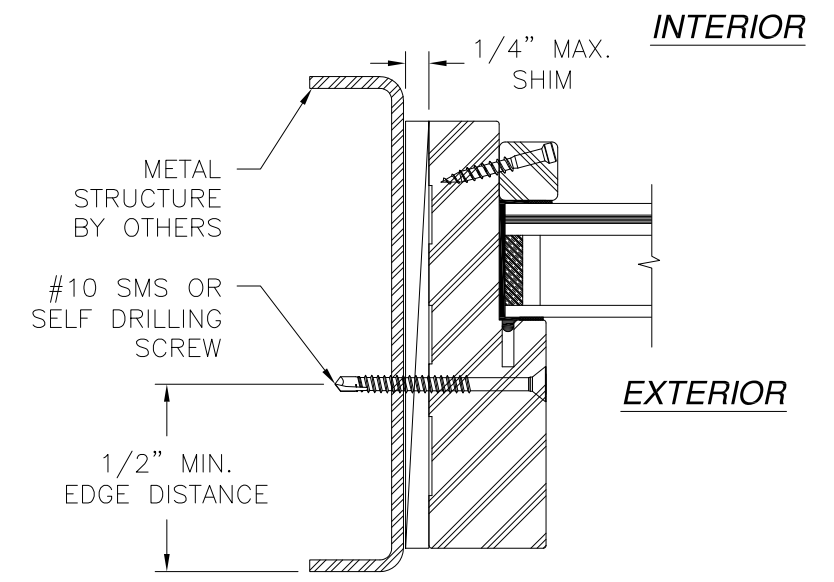
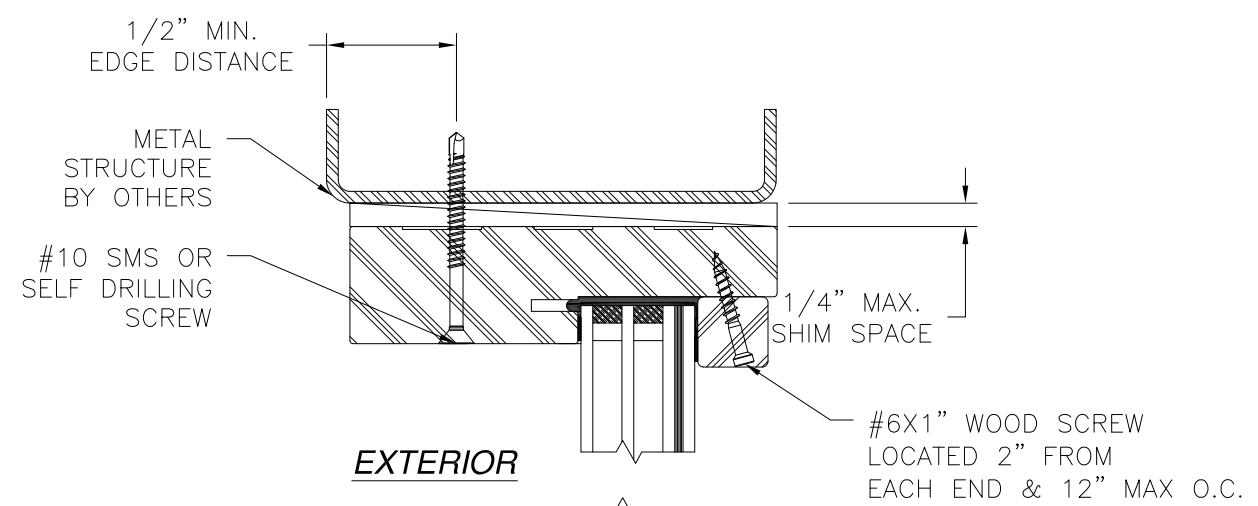
STEEL INSWING GLAZED SINGLE DOOR
W/TRANSOM - IMPACT
INSTALLATION DETAILS

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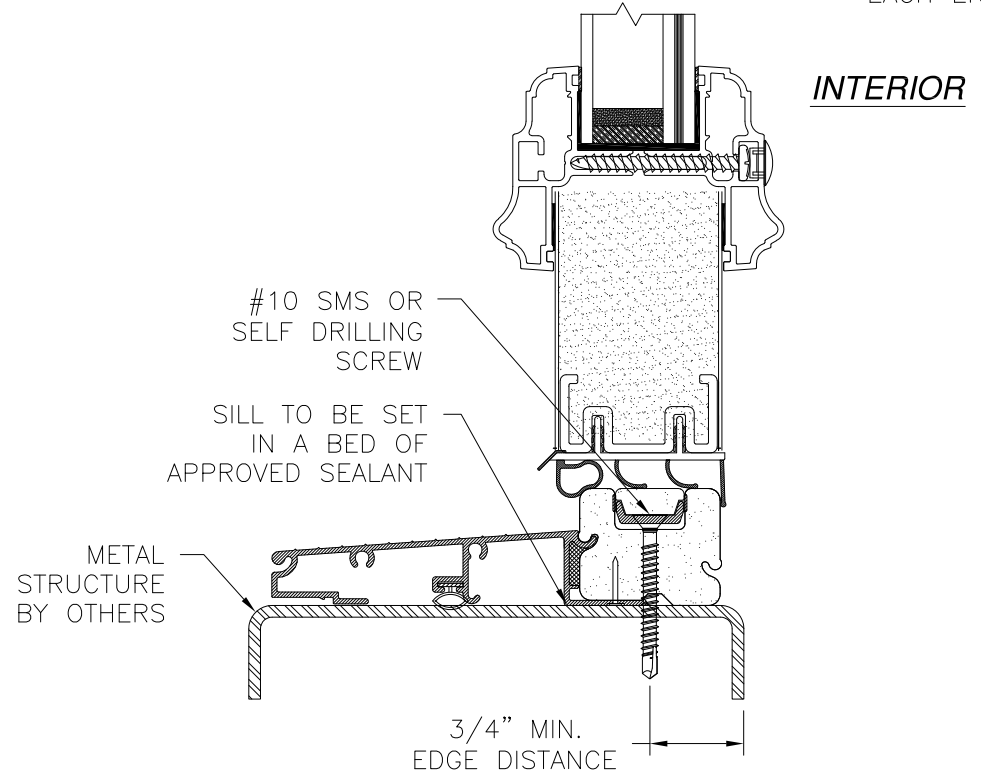
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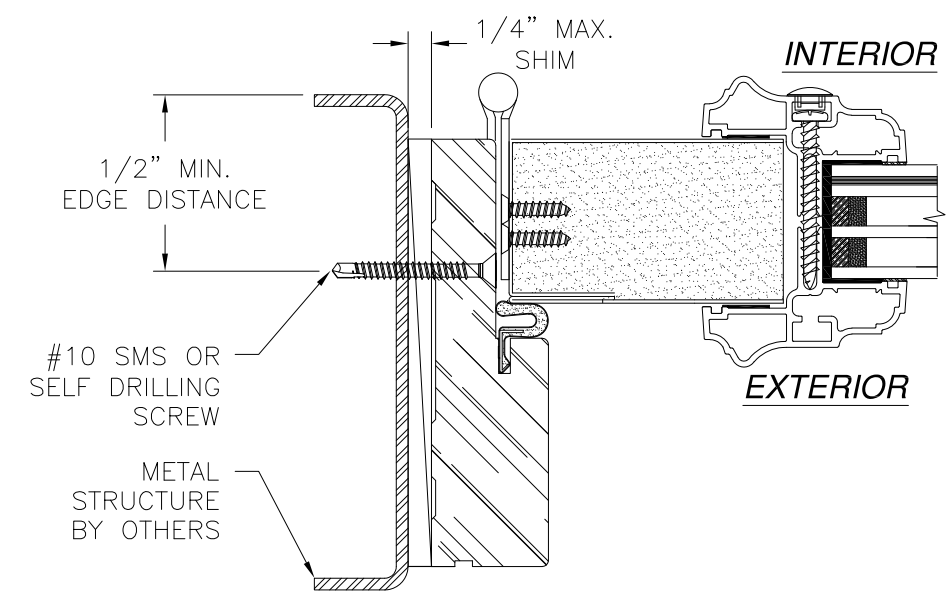
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**HORIZONTAL CROSS SECTION
TRANSOM INSTALLATION METAL STRUCTURE**



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



**HORIZONTAL CROSS SECTION
DOOR INSTALLATION METAL STRUCTURE**

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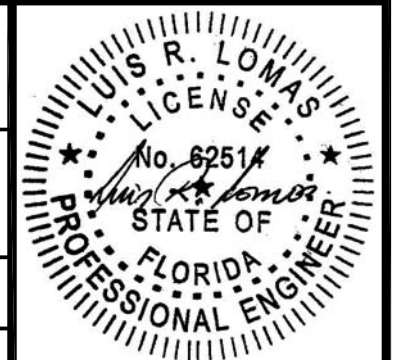
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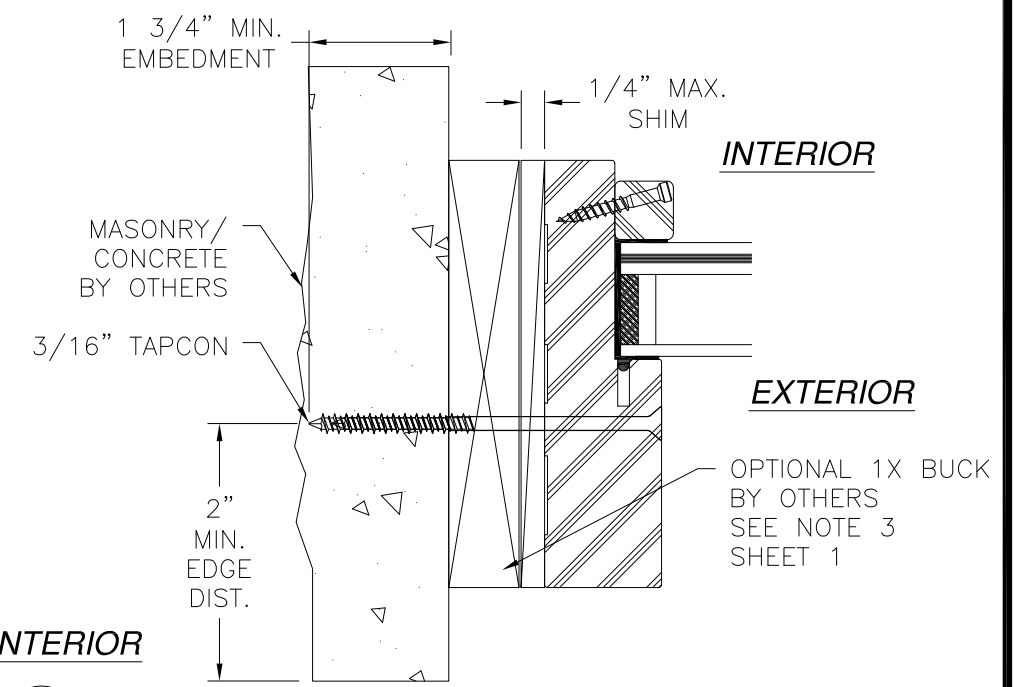
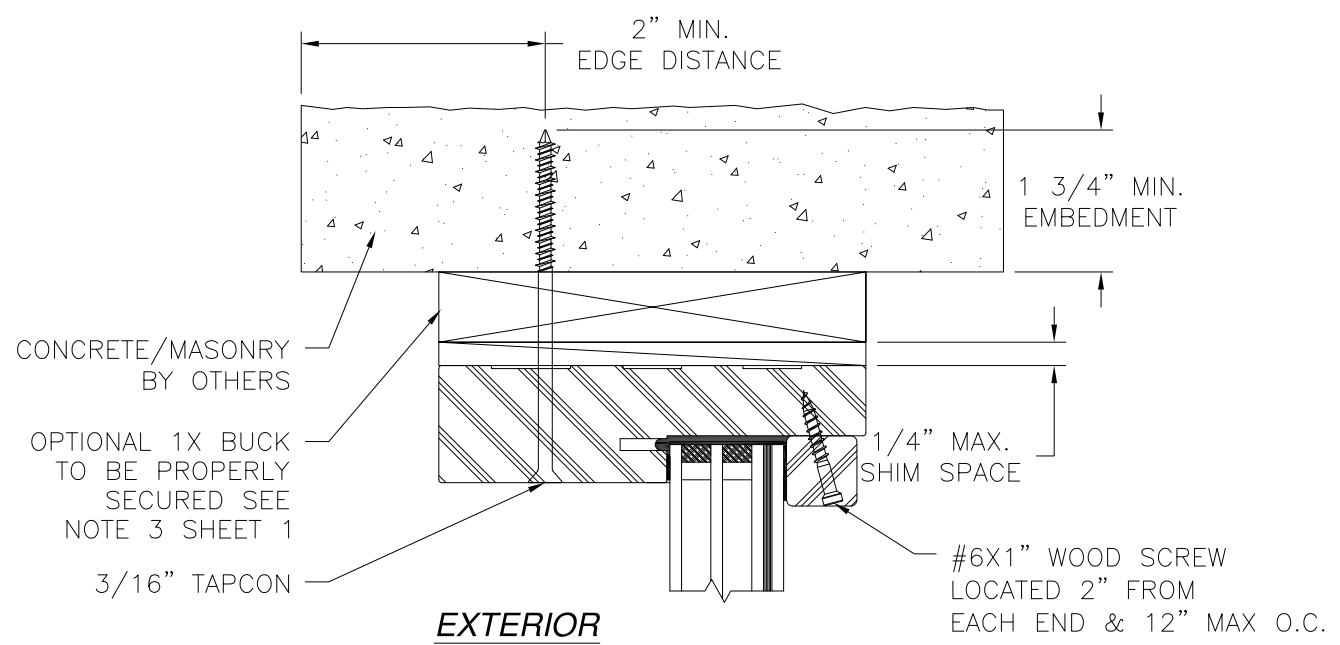
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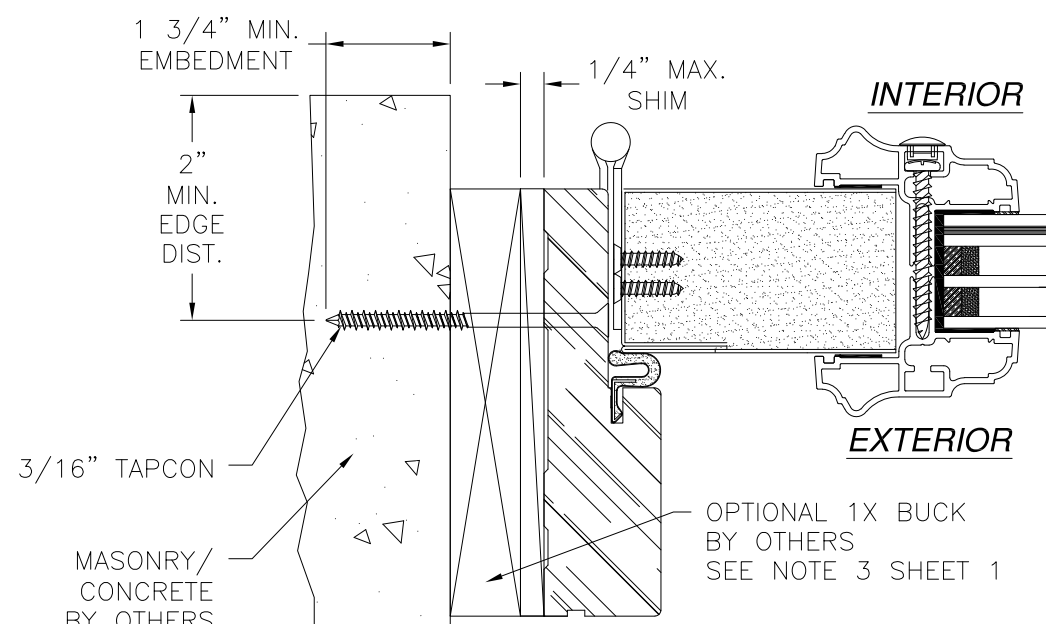


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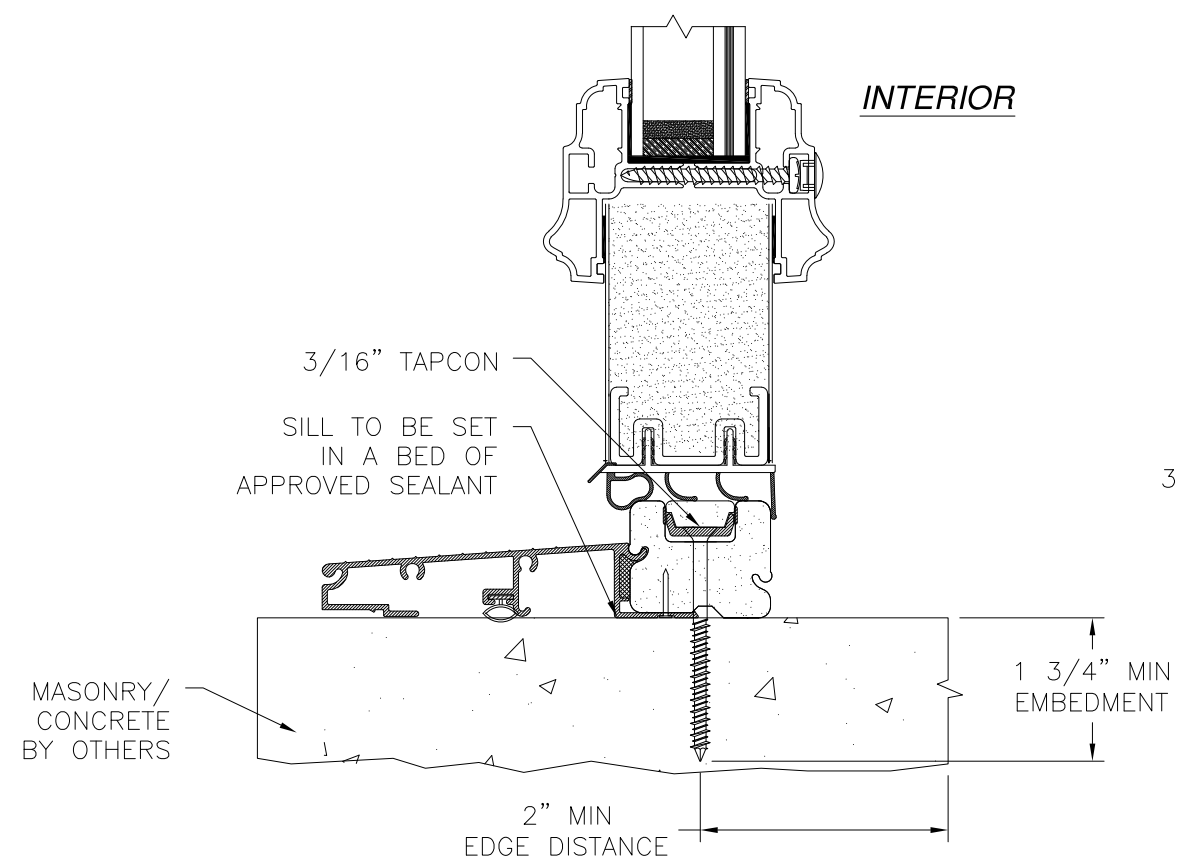
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**HORIZONTAL CROSS SECTION
TRANSOM INSTALLATION CONCRETE/MASONRY**



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



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

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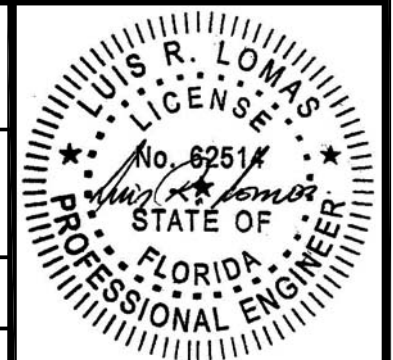
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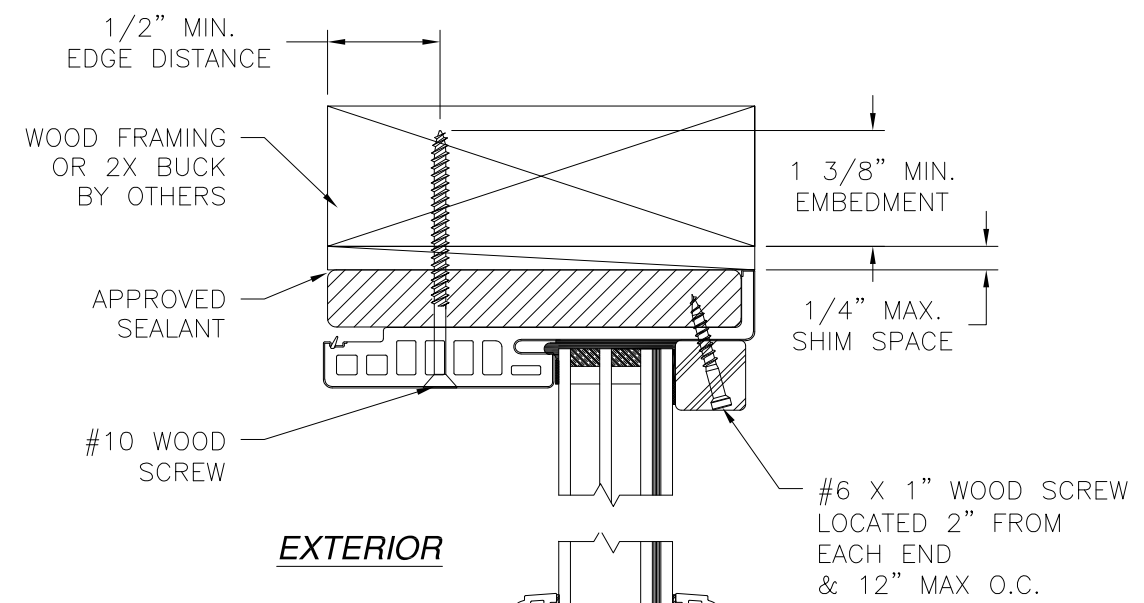
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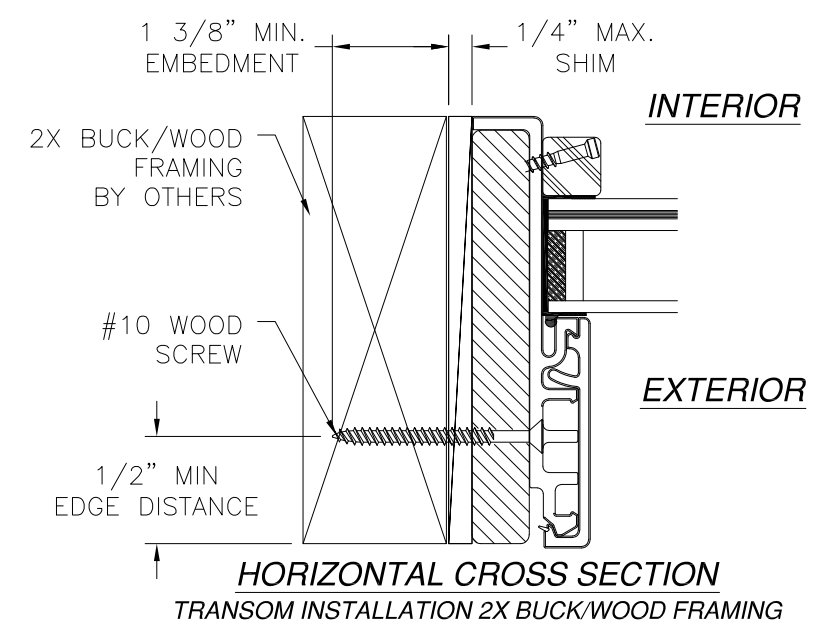
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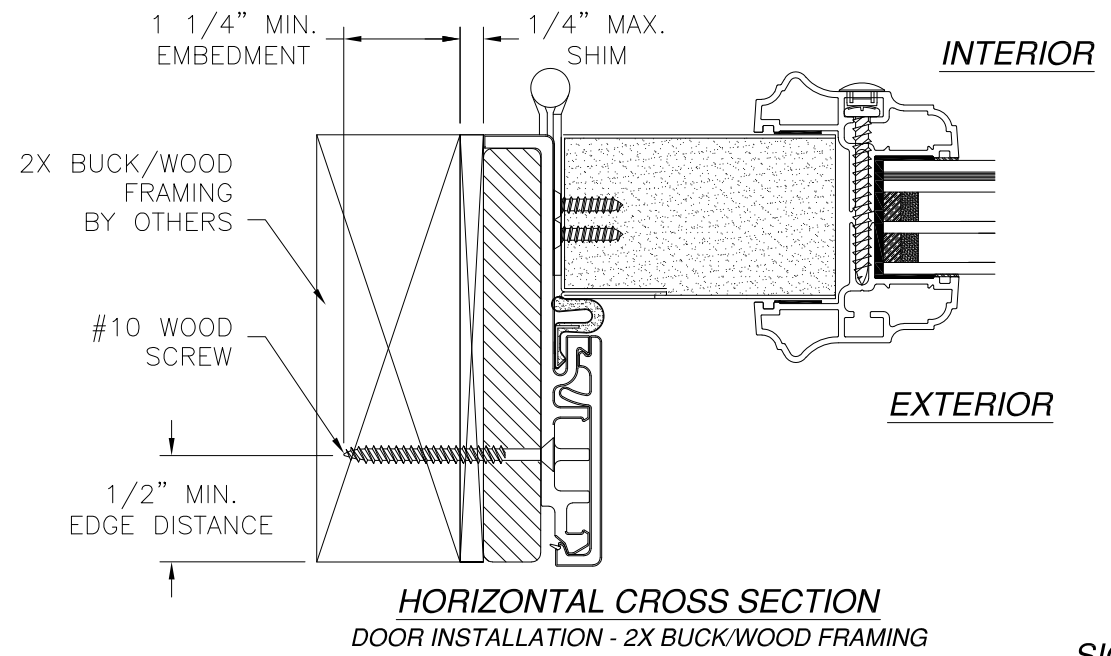


VERTICAL CROSS SECTION
DOOR AND TRANSOM INSTALLATION - 2X BUCK/WOOD FRAMING

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



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

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 SUGARCREEK, OH 44681

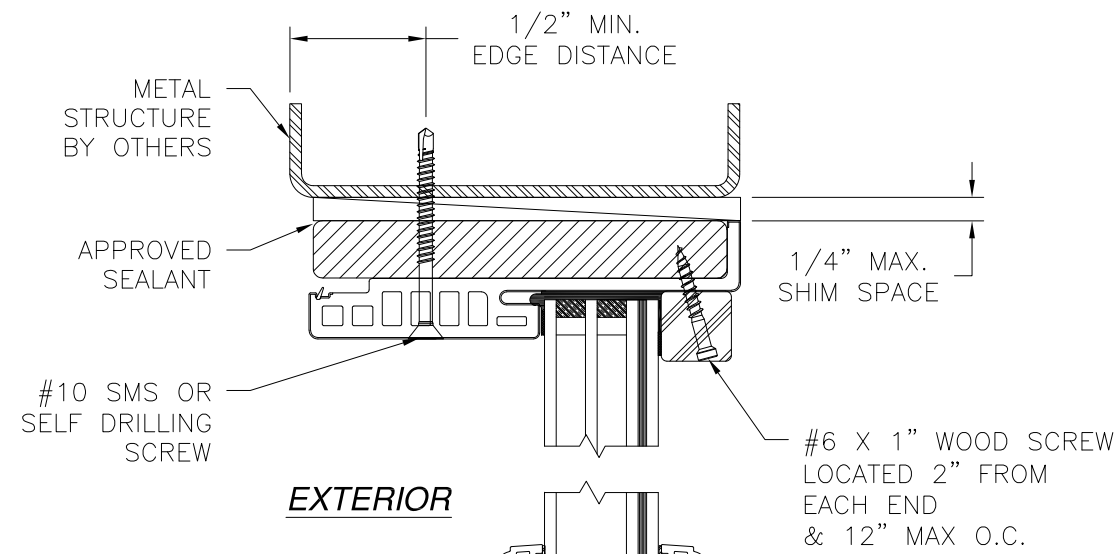
STEEL INSWING GLAZED SINGLE DOOR
 W/TRANSOM - IMPACT
 INSTALLATION DETAILS W/FUSION FRAME

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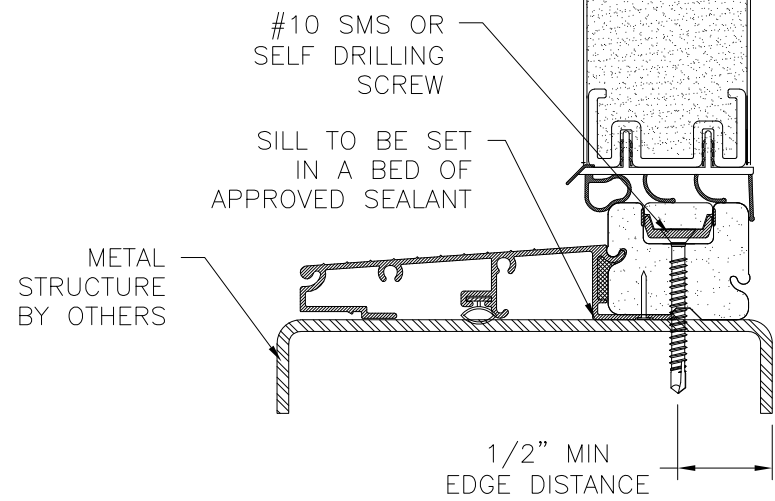
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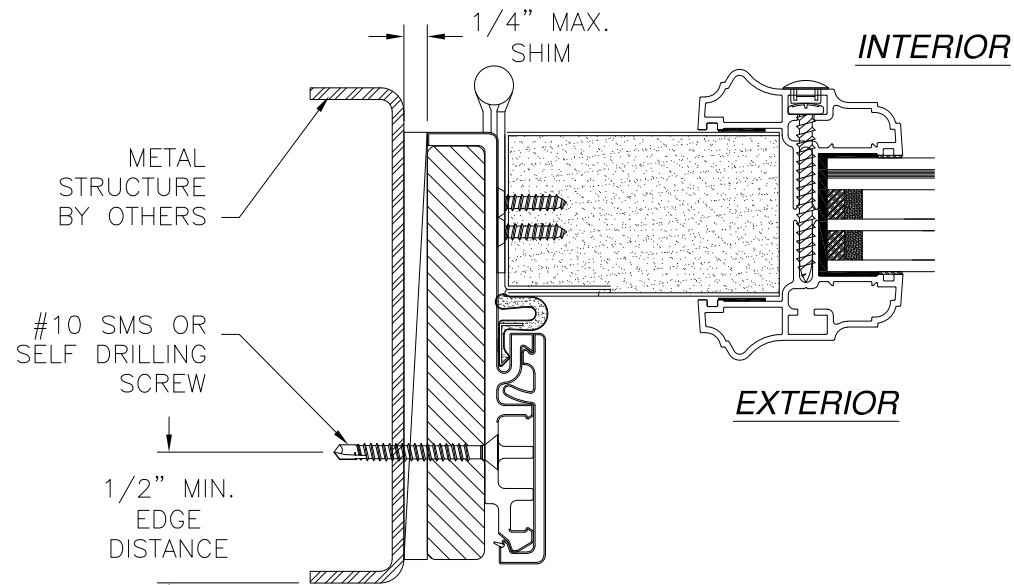
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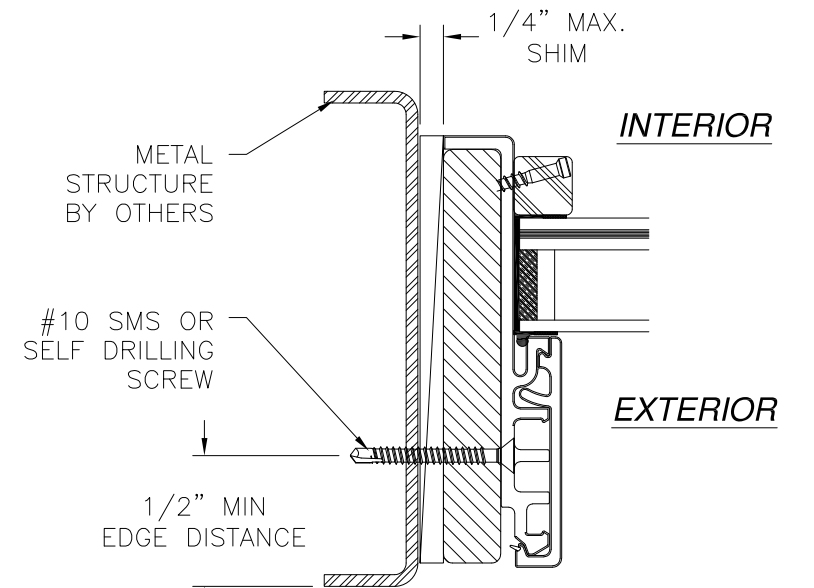
VERTICAL CROSS SECTION
DOOR AND TRANSOM INSTALLATION - METAL STRUCTURE



VERTICAL CROSS SECTION
DOOR AND TRANSOM INSTALLATION - METAL STRUCTURE



HORIZONTAL CROSS SECTION
DOOR INSTALLATION - METAL STRUCTURE



HORIZONTAL CROSS SECTION
TRANSOM INSTALLATION METAL STRUCTURE

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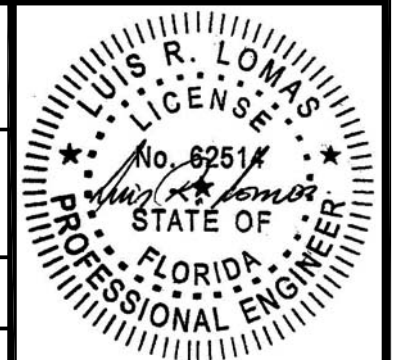
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W/TRANSOM - IMPACT
INSTALLATION DETAILS W/FUSION FRAME

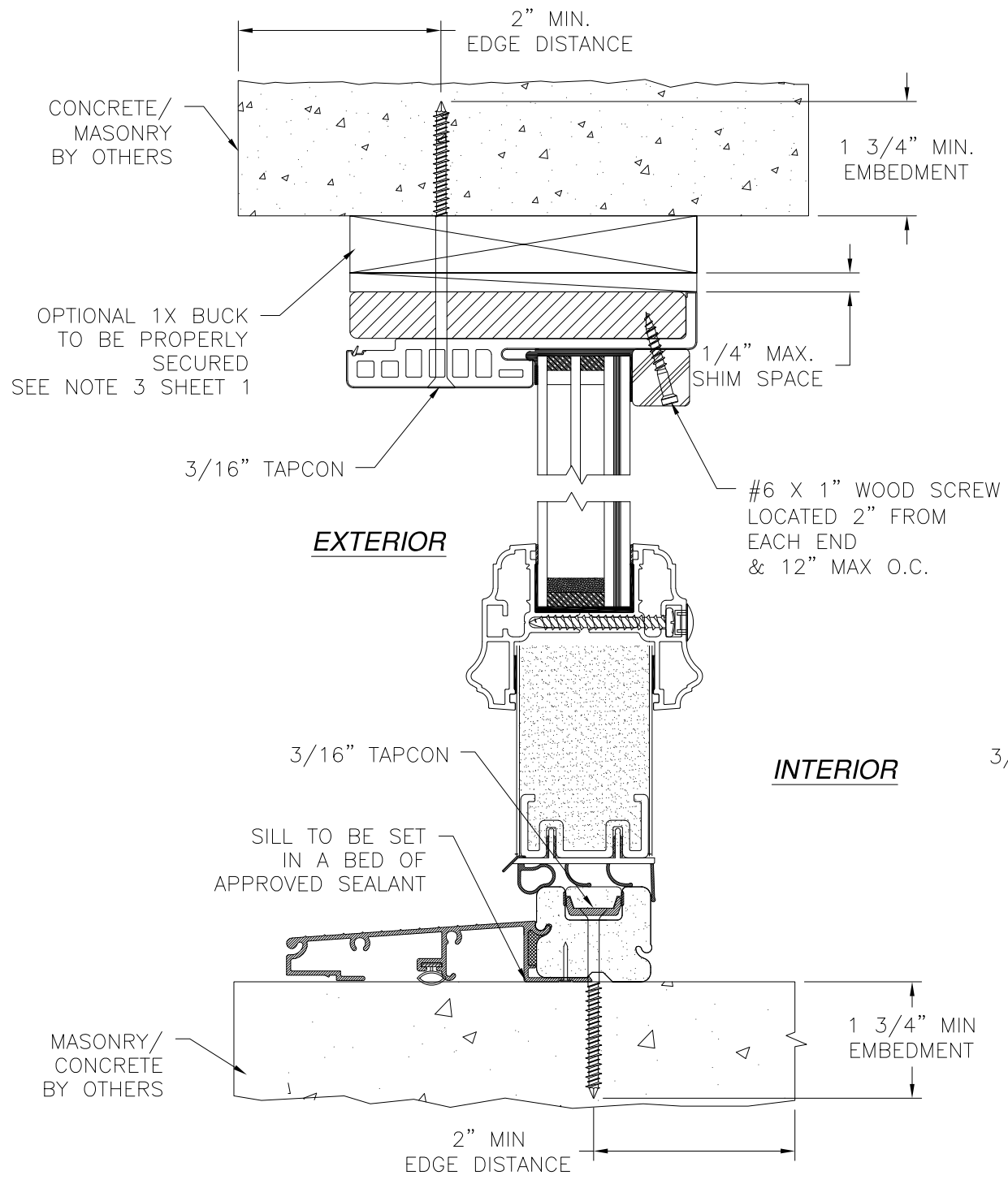
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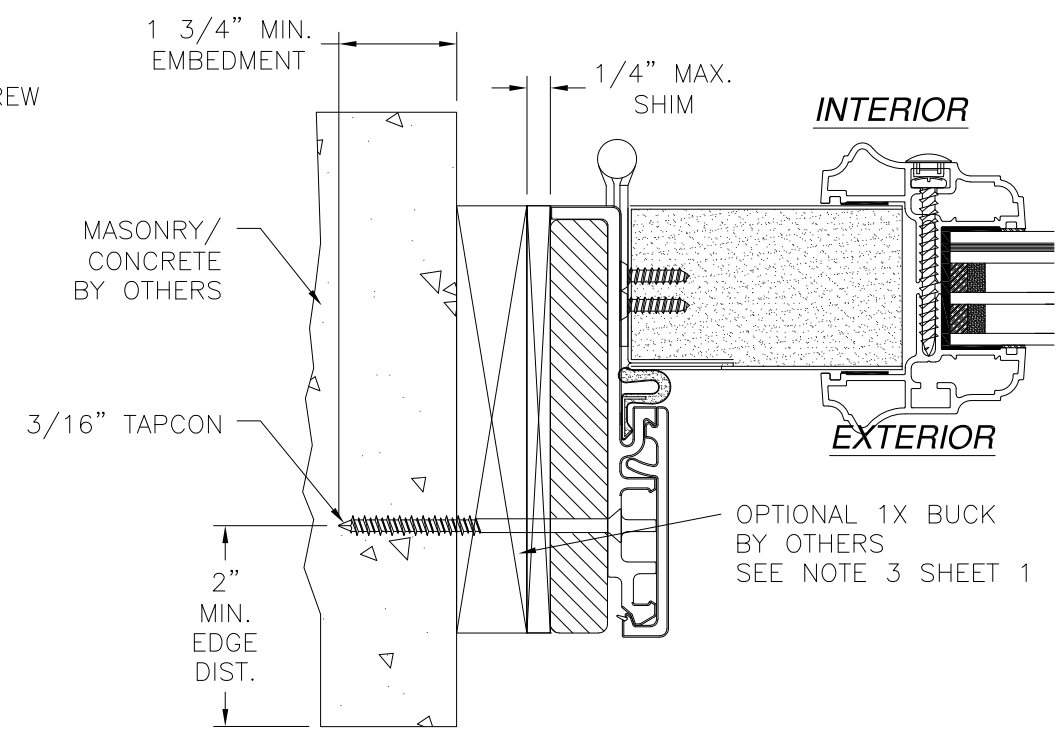


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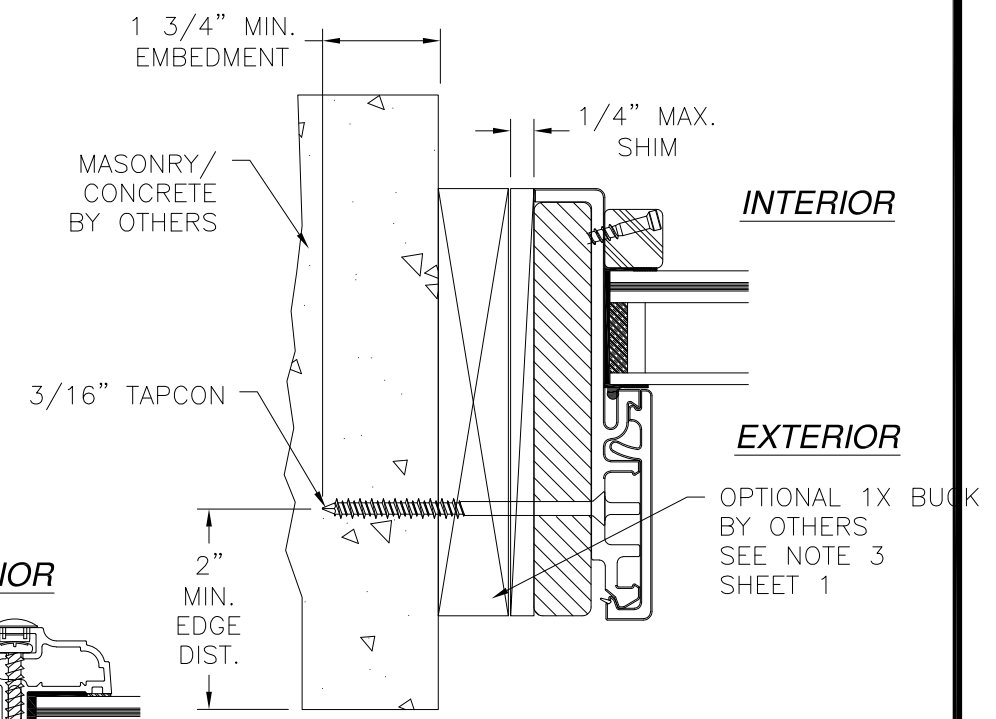
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VERTICAL CROSS SECTION
DOOR AND TRANSOM INSTALLATION MASONRY/CONCRETE



HORIZONTAL CROSS SECTION
DOOR INSTALLATION CONCRETE/MASONRY



HORIZONTAL CROSS SECTION
TRANSOM INSTALLATION CONCRETE/MASONRY

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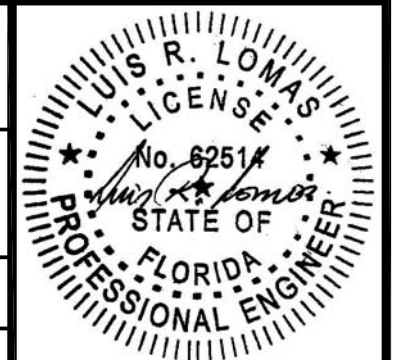
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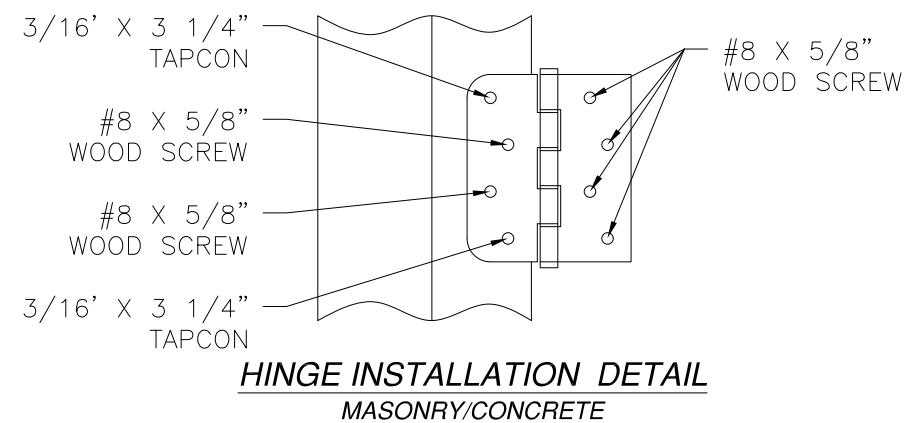
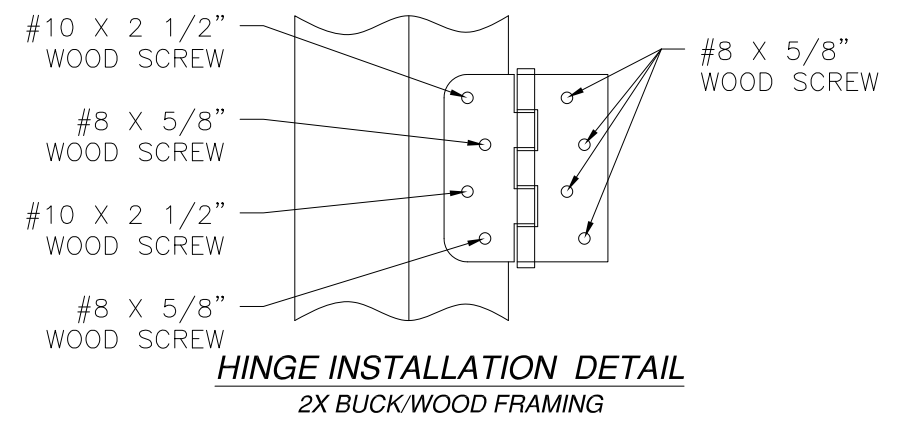
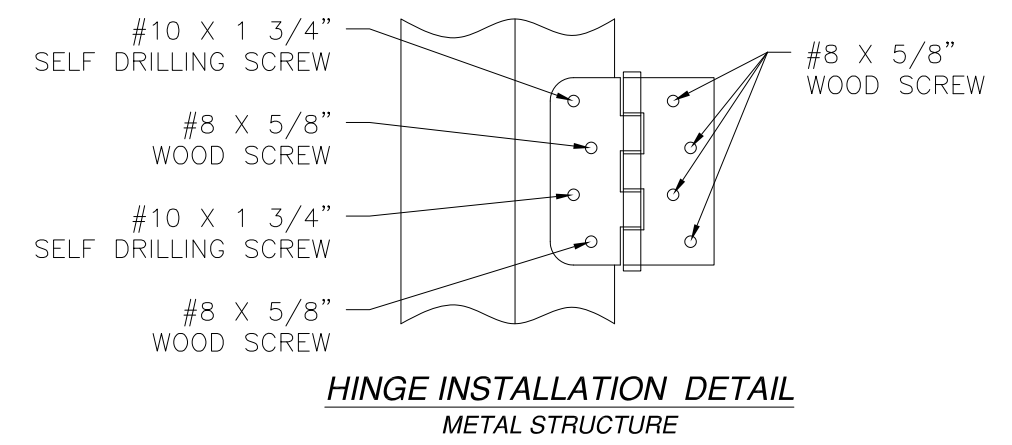
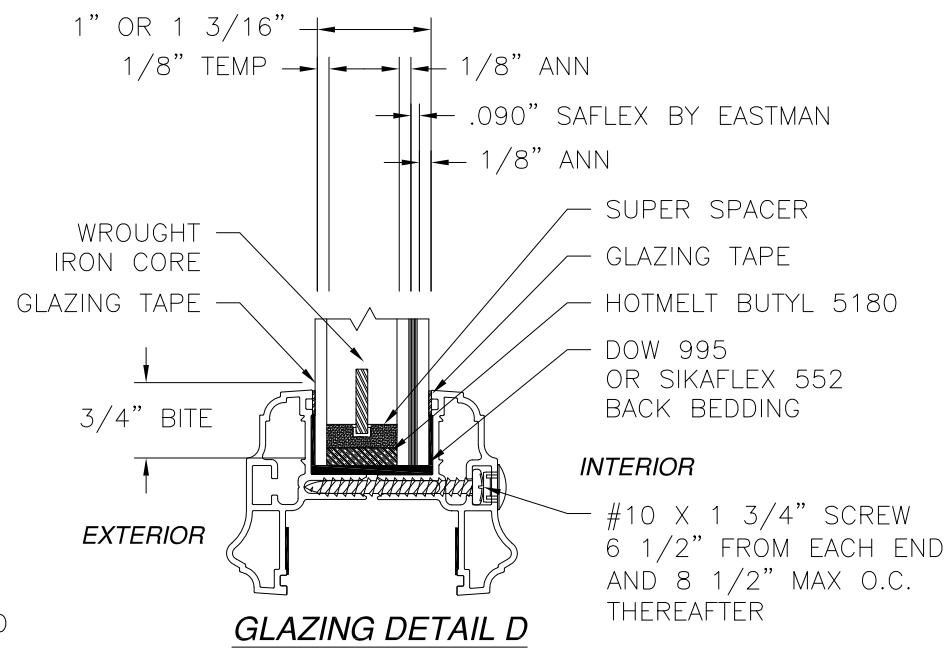
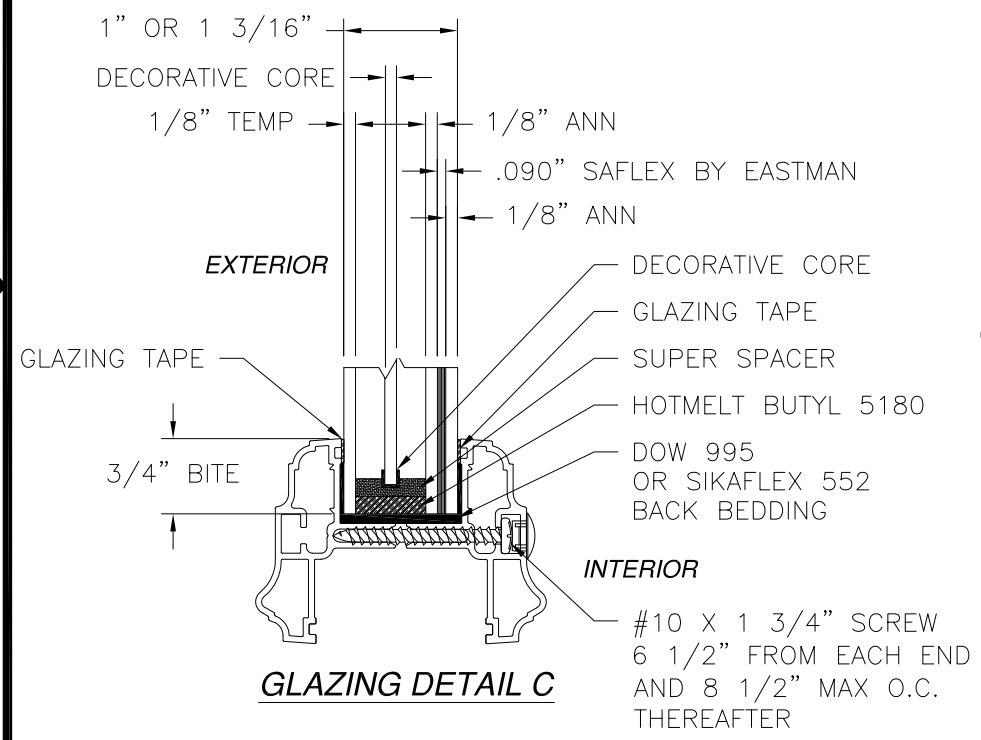
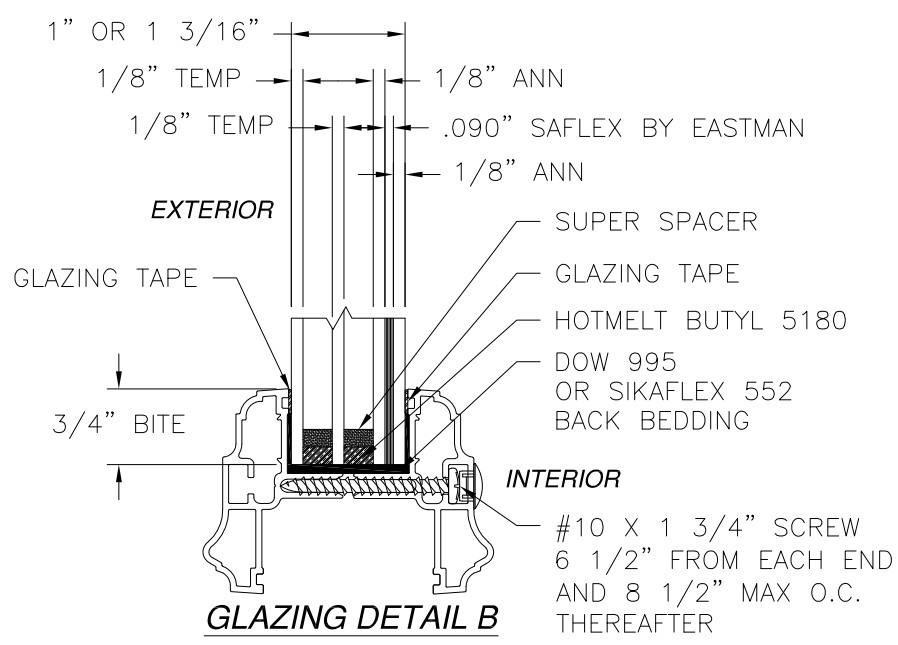
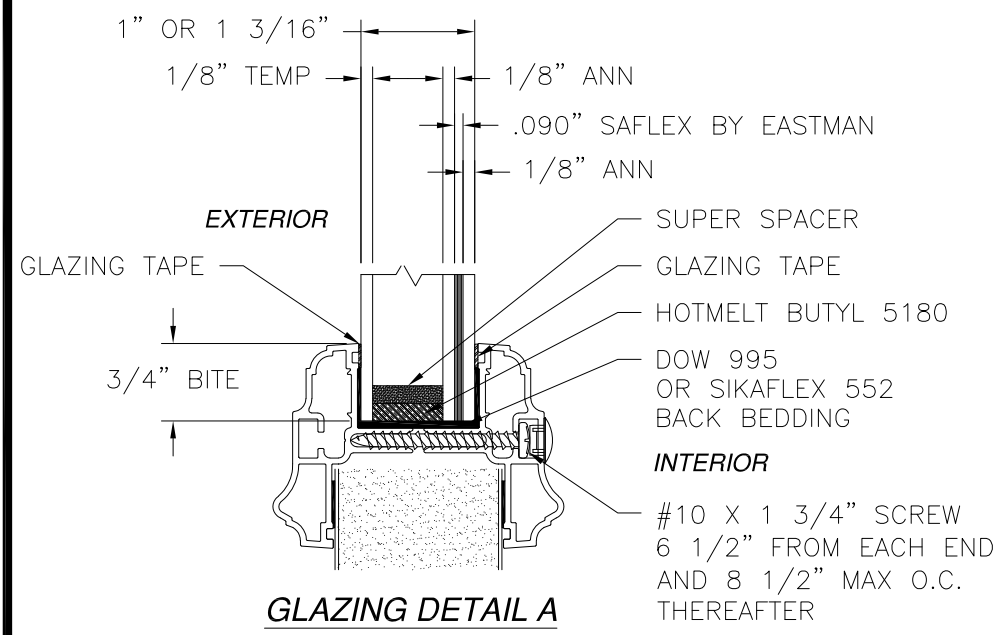
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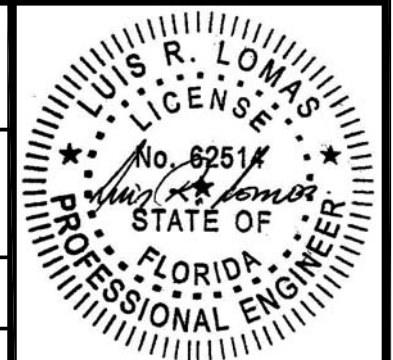
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**STEEL INSWING GLAZED SINGLE DOOR
 W/TRANSOM - IMPACT
 GLAZING AND HINGES DETAILS**

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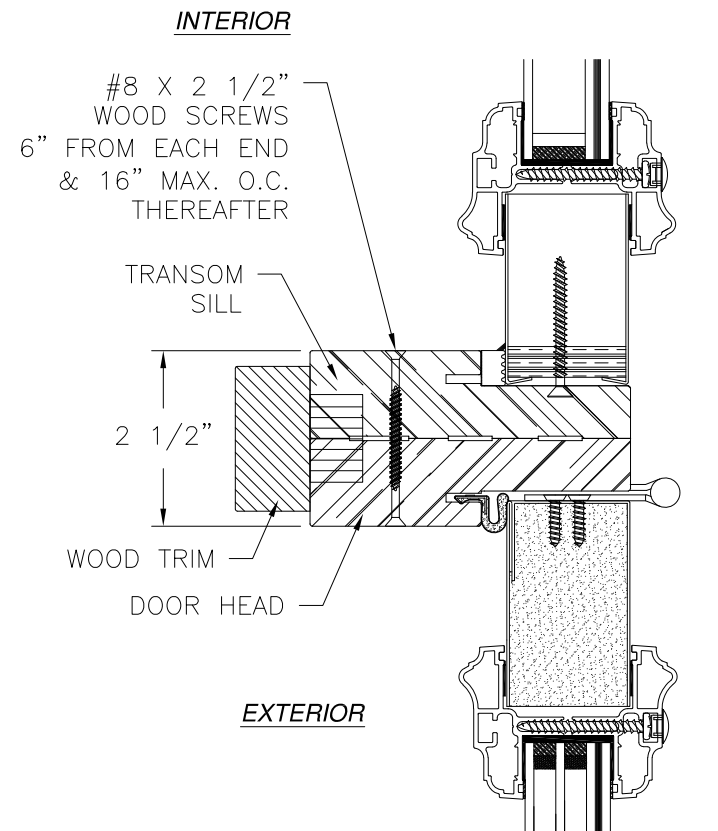
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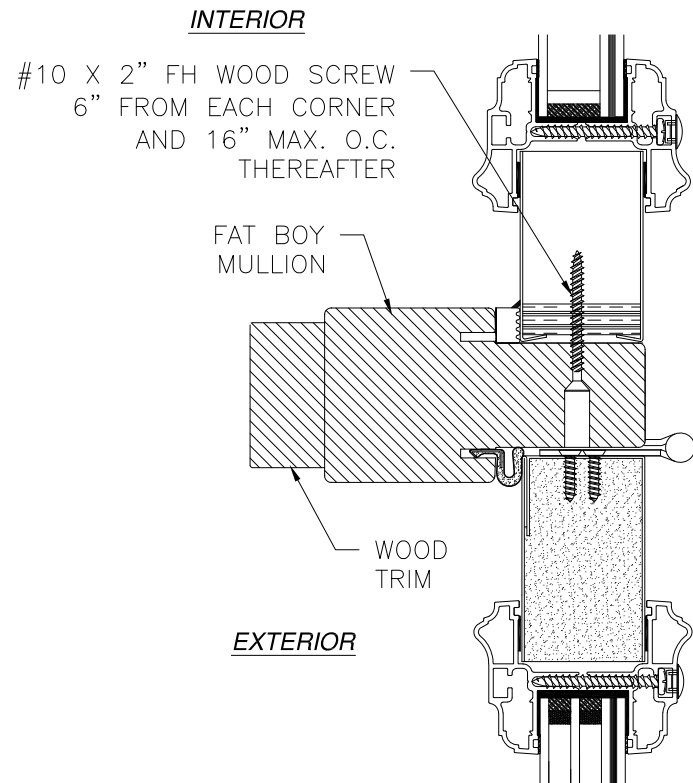


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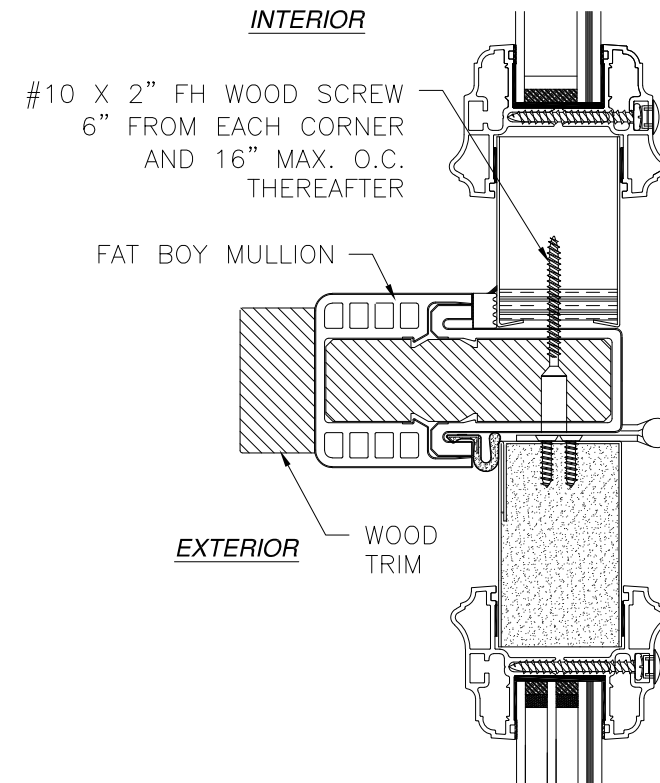
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HORIZONTAL MULLION DETAIL
STANDARD FRAME SHOWN,
COMPOSITE AND FUSION FRAME SIMILAR



MULLION DETAIL
WITH FAT BOY MULLION



MULLION DETAIL
WITH HYBRID FAT BOY MULLION

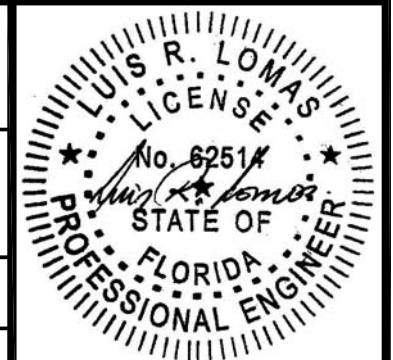
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PROVIA, LLC.
2150 STATE ROUTE 39 WEST
SUGARCREEK, OH 44681

STEEL INSWING GLAZED SINGLE DOOR
W/TRANSOM - IMPACT
MULLION DETAILS

DRAWN: J.L.	DWG NO. 08-01942	REV H
SCALE NTS	DATE 04/22/13	SHEET 10 OF 12

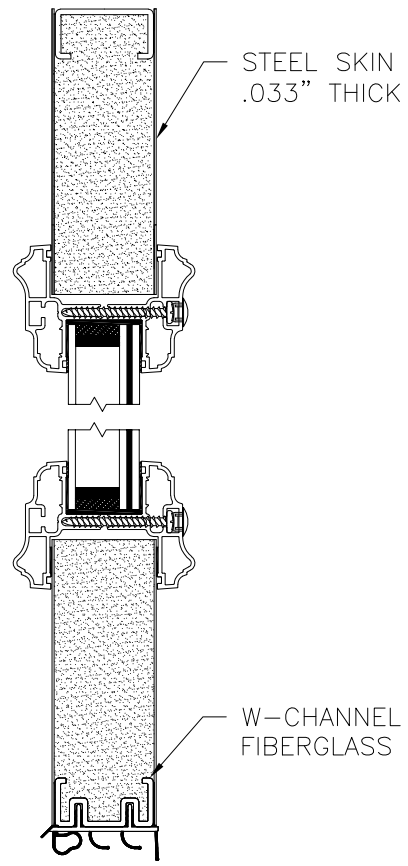
L. ROBERTO LOMAS P.E.
1432 WOODFORD RD LEWISVILLE, NC 27023
434-688-0609 rllomas@rlomaspe.com



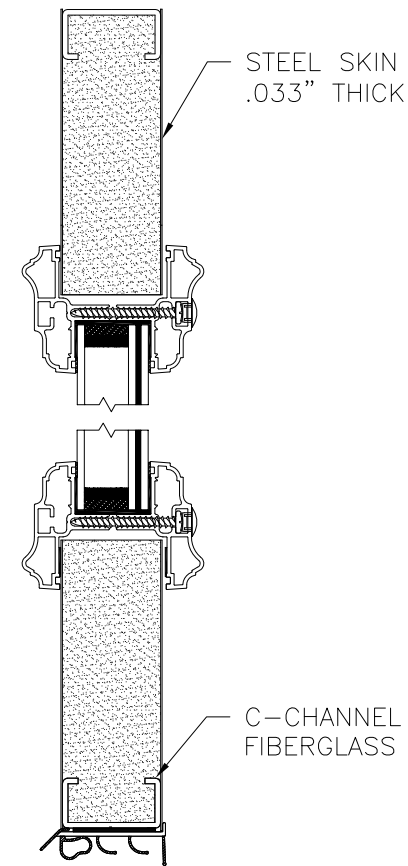
Luis R. Lomas P.E.
FL No.: 62514

APPROVED SLABS AND TRIMS

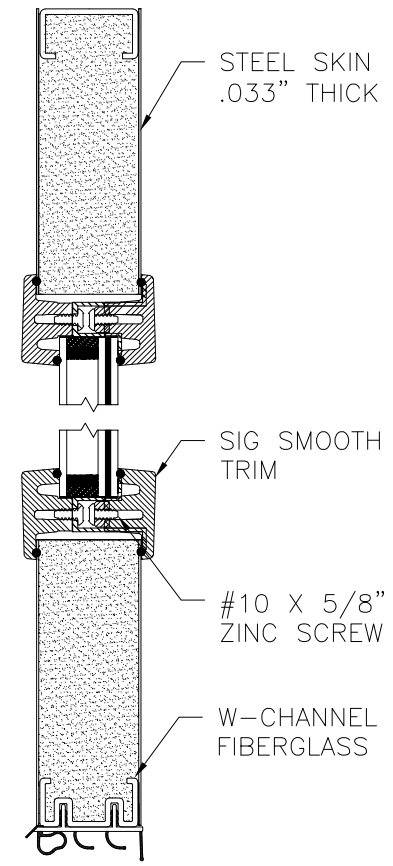
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
H	ADDED MULTILITE PANELS & TRIMS	08/12/2021	R.L.



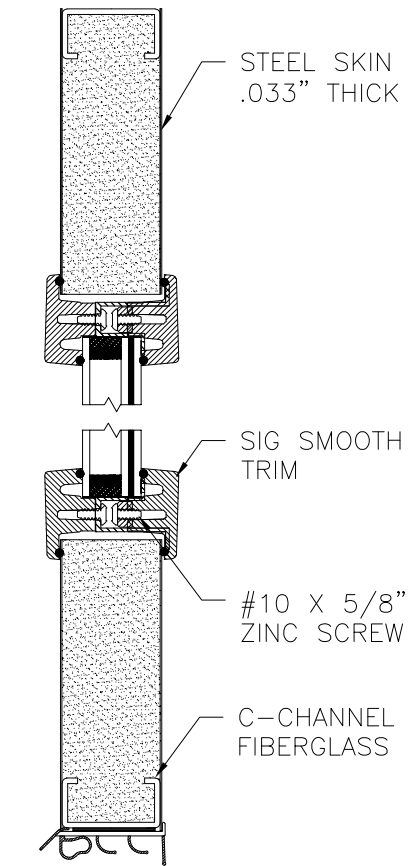
PANEL OPTION 1



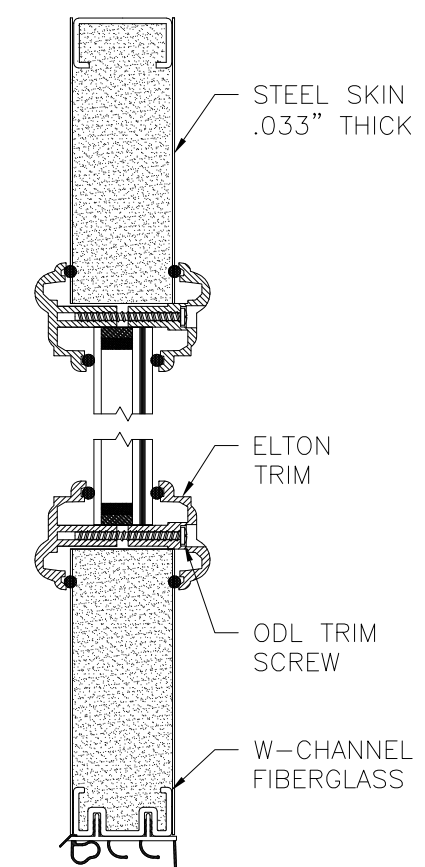
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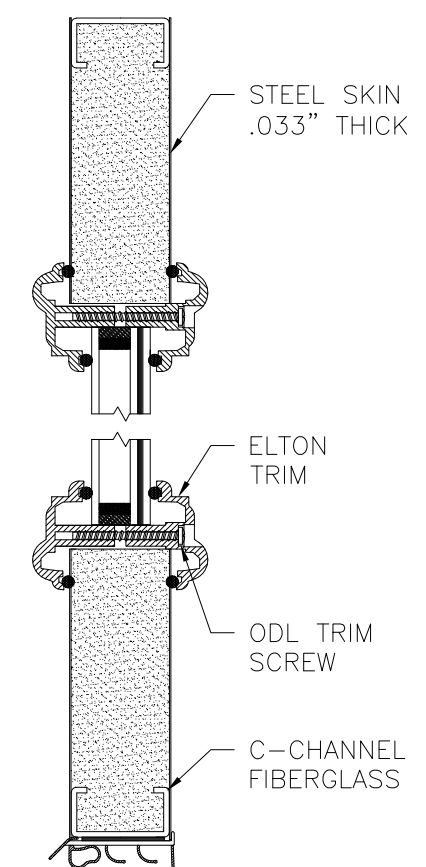
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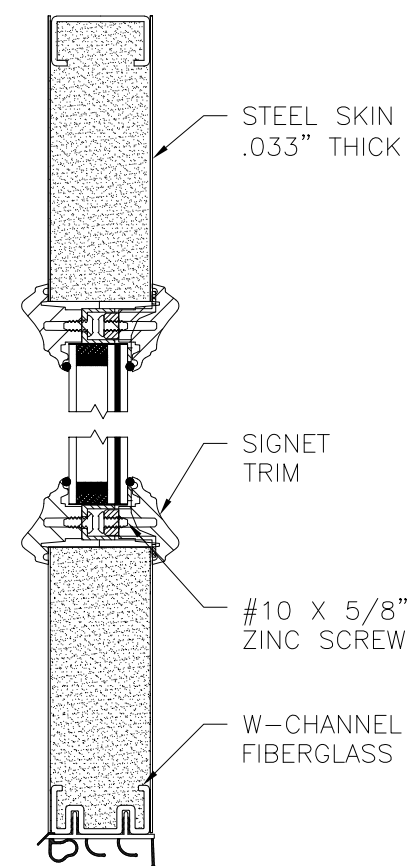
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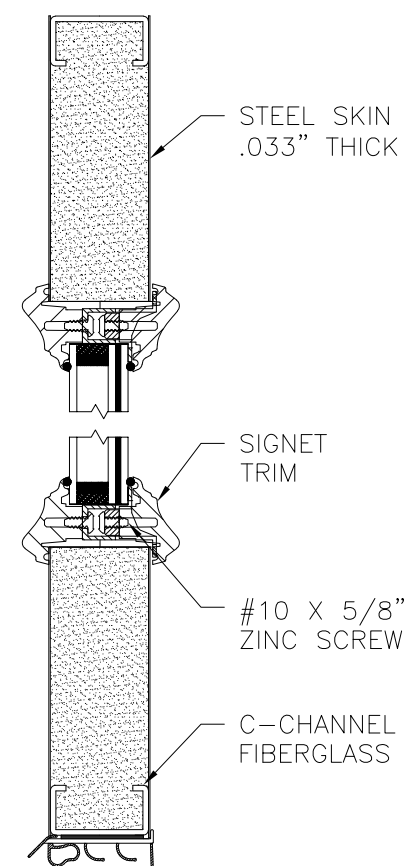
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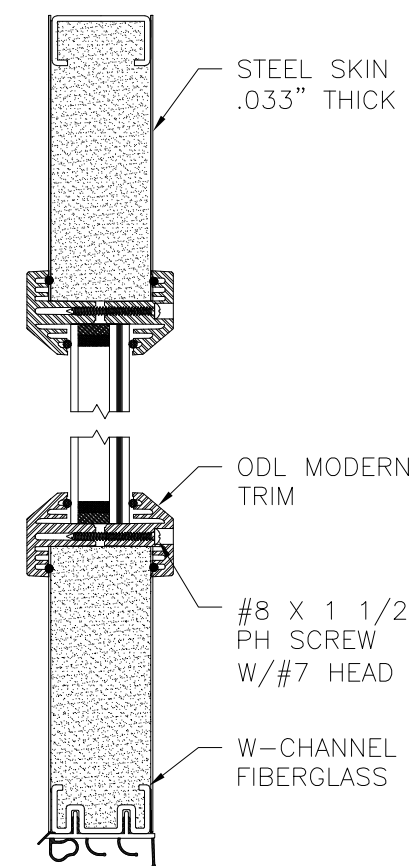
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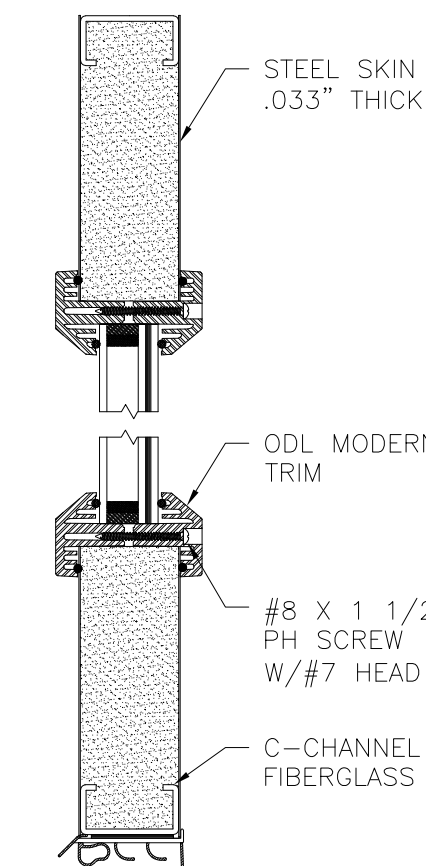
PANEL OPTION 5



PANEL OPTION 6



PANEL OPTION 7



PANEL OPTION 8

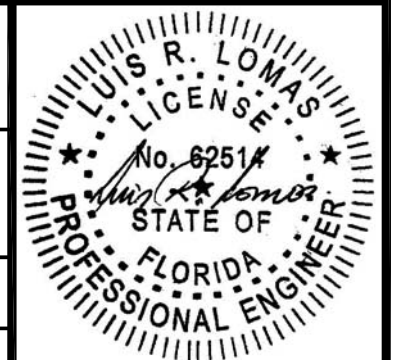
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W/TRANSOM - IMPACT
APPROVED SLABS

DRAWN: J.L.	DWG NO. 08-01942	REV H
SCALE NTS	DATE 04/22/13	SHEET 11 OF 12

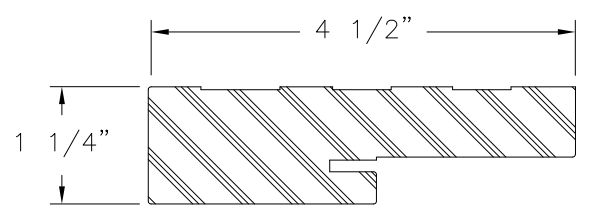
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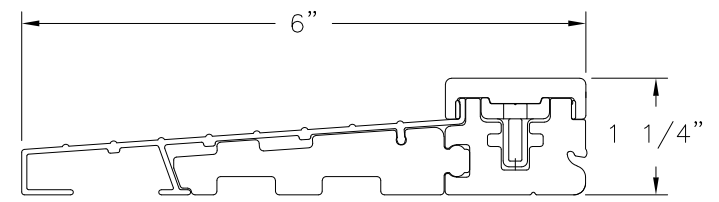


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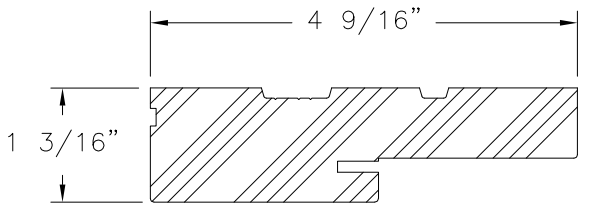
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REV	DESCRIPTION	DATE	APPROVED
H	ADDED MULTILITE PANELS & TRIMS	08/12/2021	R.L.



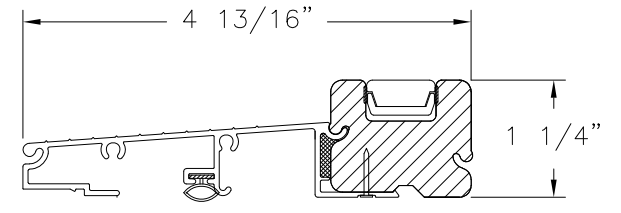
COMPOSITE FRAME PROFILE



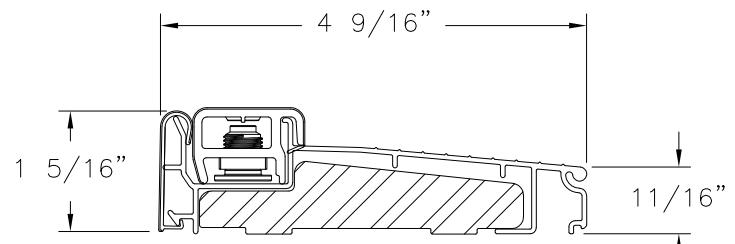
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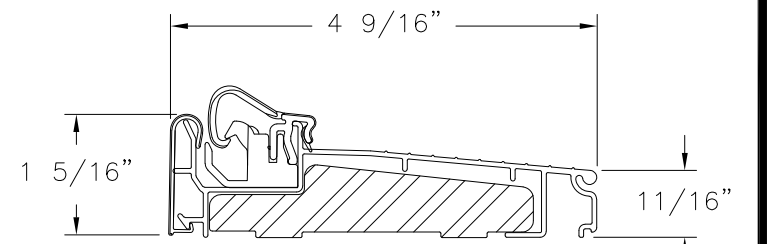
WOOD FRAME PROFILE



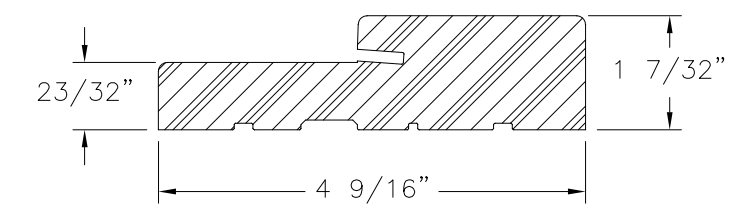
SAHARA INSWING THRESHOLD



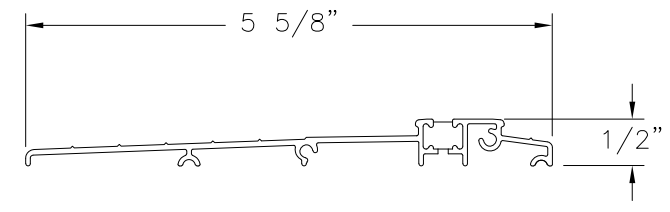
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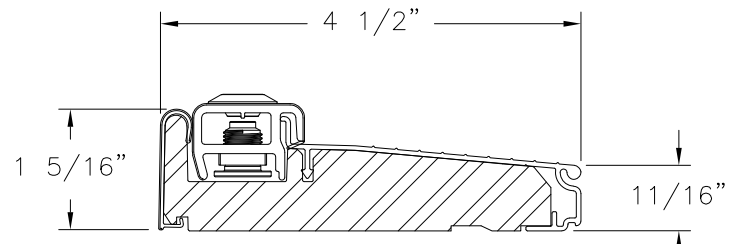
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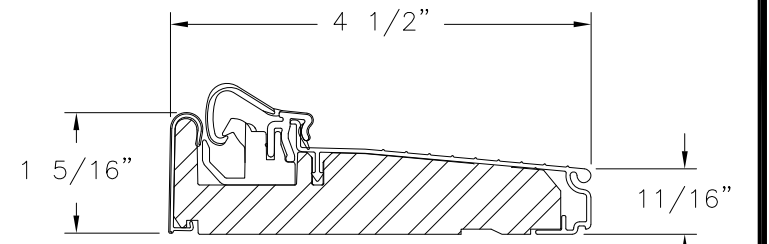
FRAMESAVER COMPOSITE



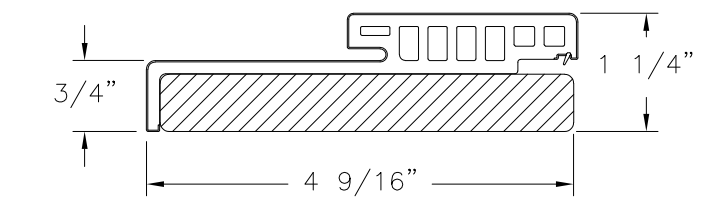
ADA THRESHOLD



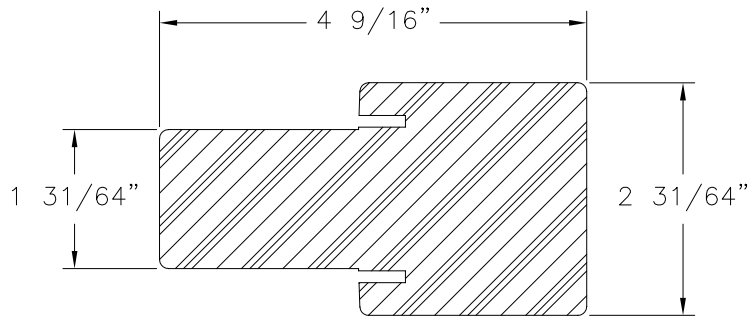
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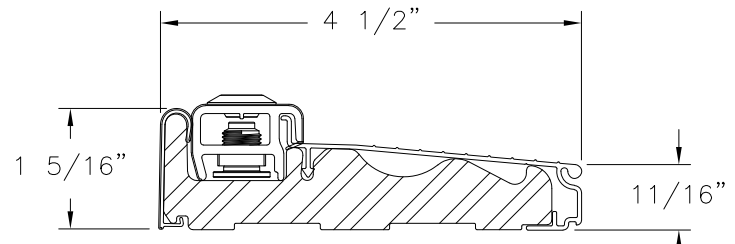
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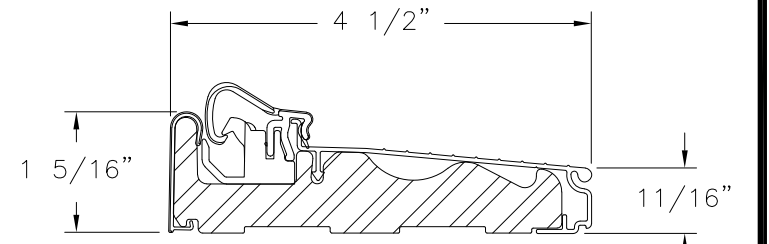
HYBRID HEAD WOOD/COMPOSITE



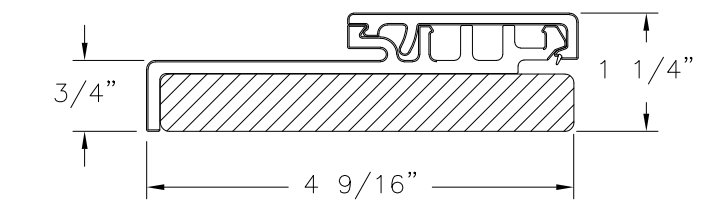
FAT BOY MULLION COMPOSITE



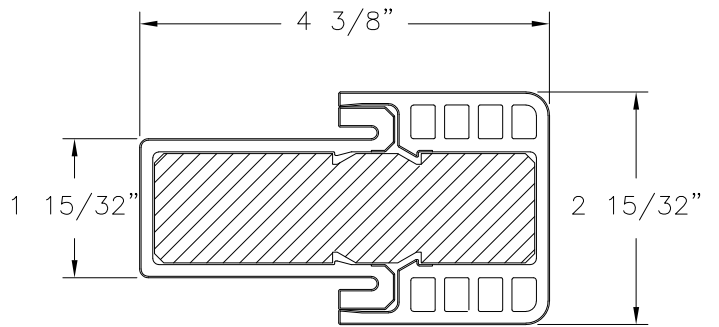
INSWING SILL ZAILH4565



INSWING SILL ZAACH4565



HYBRID JAMB WOOD/COMPOSITE



HYBRID FAT BOY MULLION COMPOSITE

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 COMPONENTS

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SCALE NTS	DATE 04/22/13	SHEET 12 OF 12

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