

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
H	ADDED MULTILITE PANELS & TRIMS	08/17/2021	R.L.

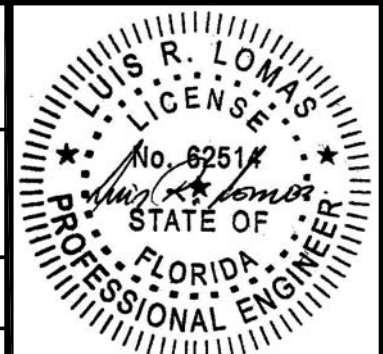
NOTES:

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)
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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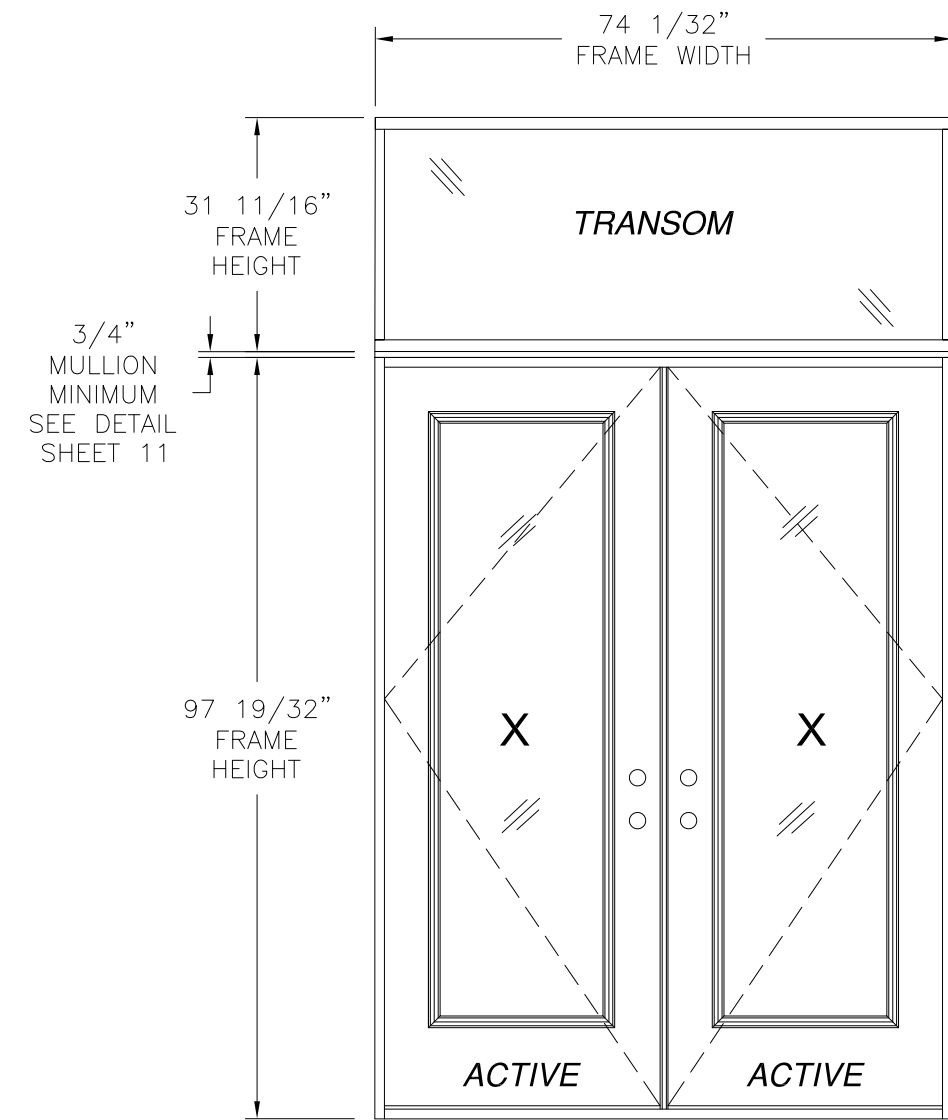
PROVIA, LLC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
STEEL OUTSWING GLAZED DOUBLE DOOR W/TRANSOM – IMPACT NOTES		
DRAWN: V.L.	DWG NO. 08-02023	REV H
SCALE NTS	DATE 05/20/13	SHEET 1 OF 13
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@rlomaspe.com		

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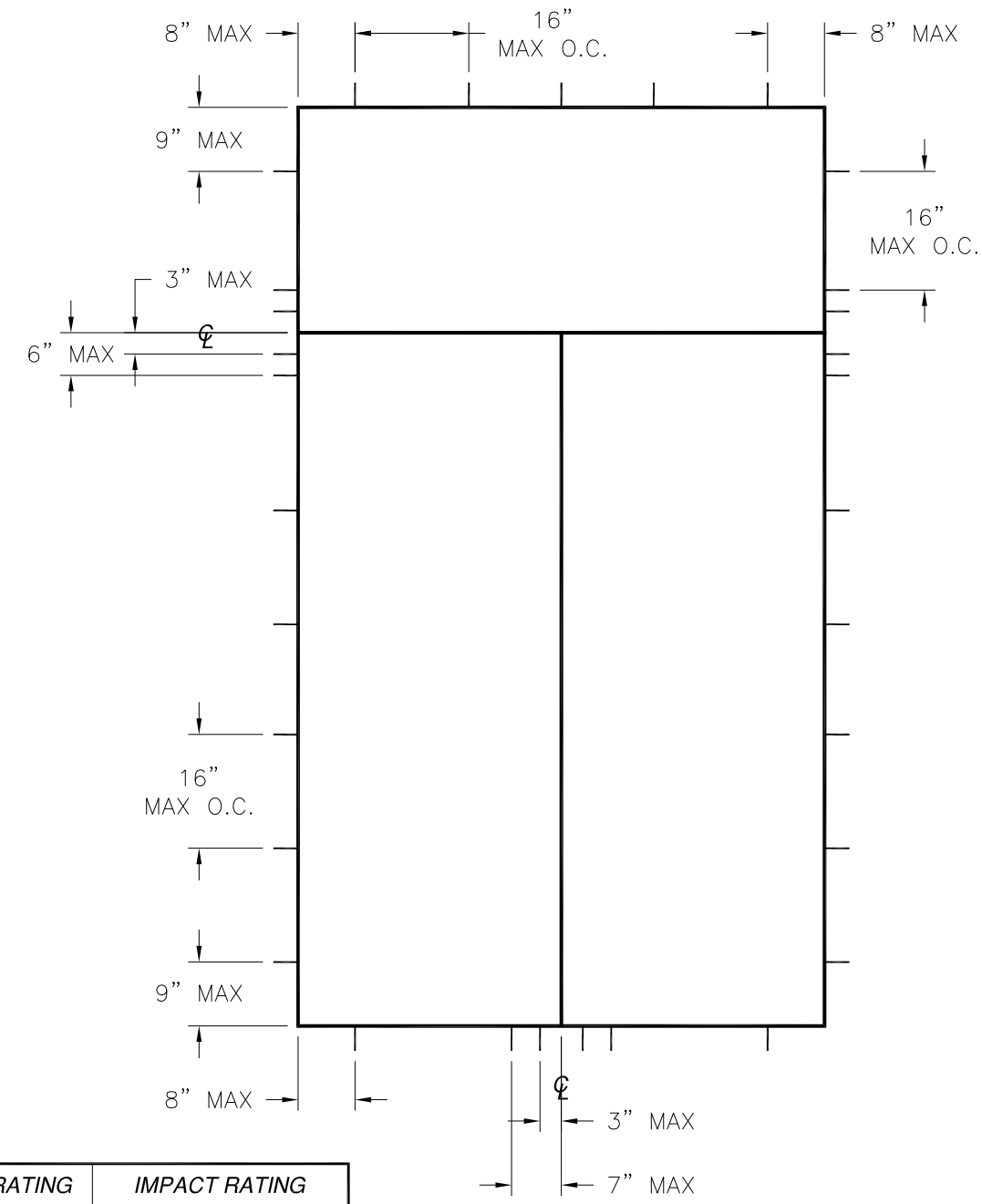


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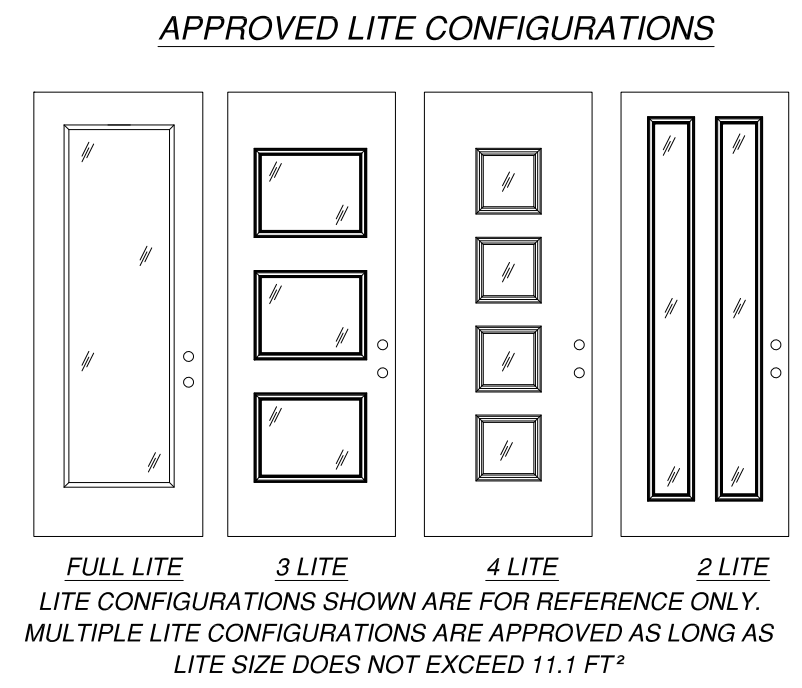
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DOUBLE DOOR W/ TRANSOM
EXTERIOR VIEW



ANCHOR LAYOUT



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

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)

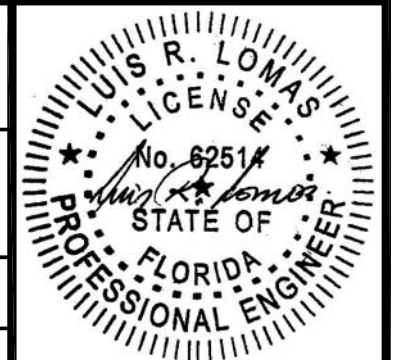
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STEEL OUTSWING GLAZED DOUBLE DOOR
W/TRANSOM - IMPACT
ELEVATION AND ANCHOR LAYOUT

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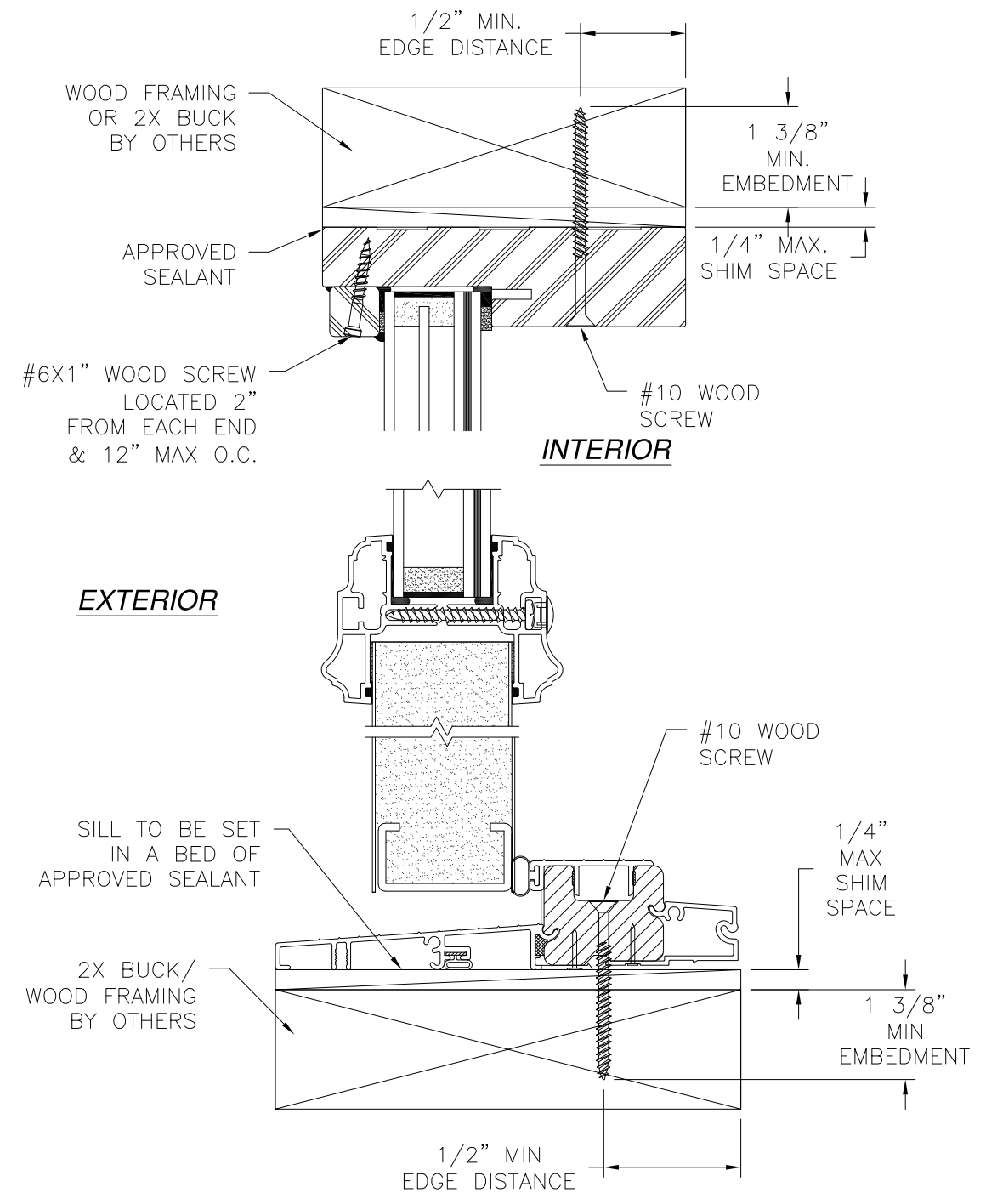
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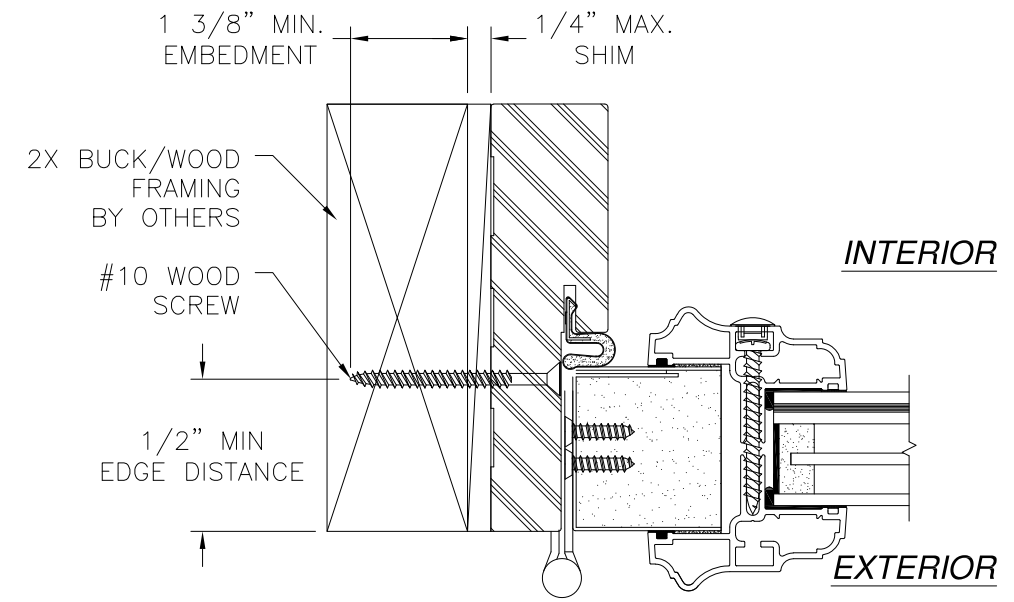


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VERTICAL CROSS SECTION
DOOR AND TRANSOM INSTALLATION - 2X BUCK/WOOD FRAMING
 TRANSOM HEAD SHOWN
 TRANSOM JAMB SIMILAR



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

- NOTES:**
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 2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112

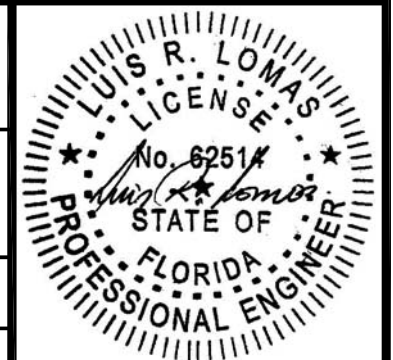
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**STEEL OUTSWING GLAZED DOUBLE DOOR
 W/TRANSOM - IMPACT
 INSTALLATION DETAILS**

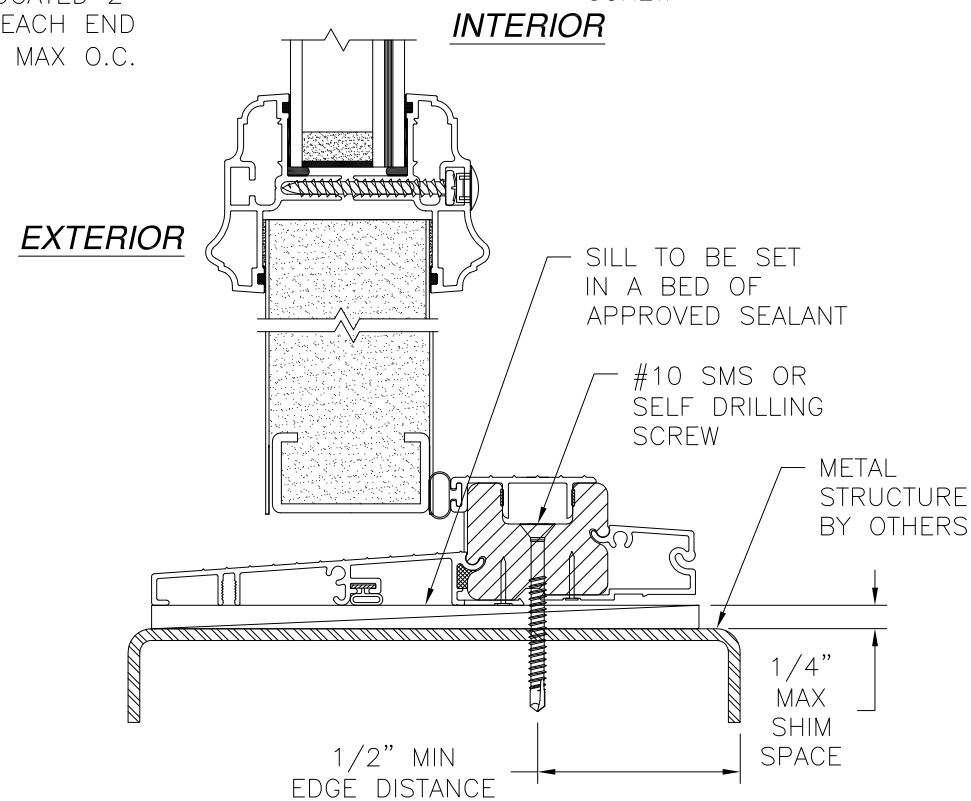
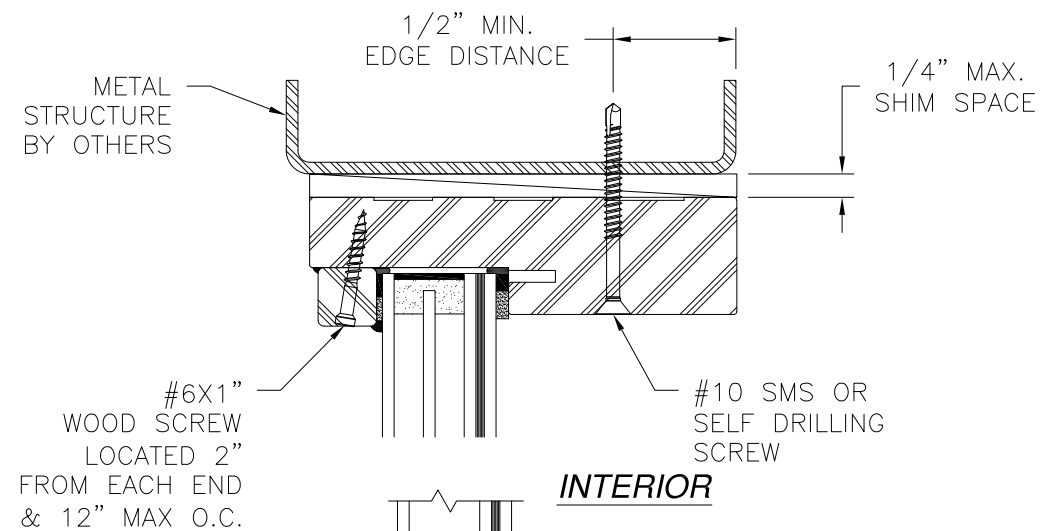
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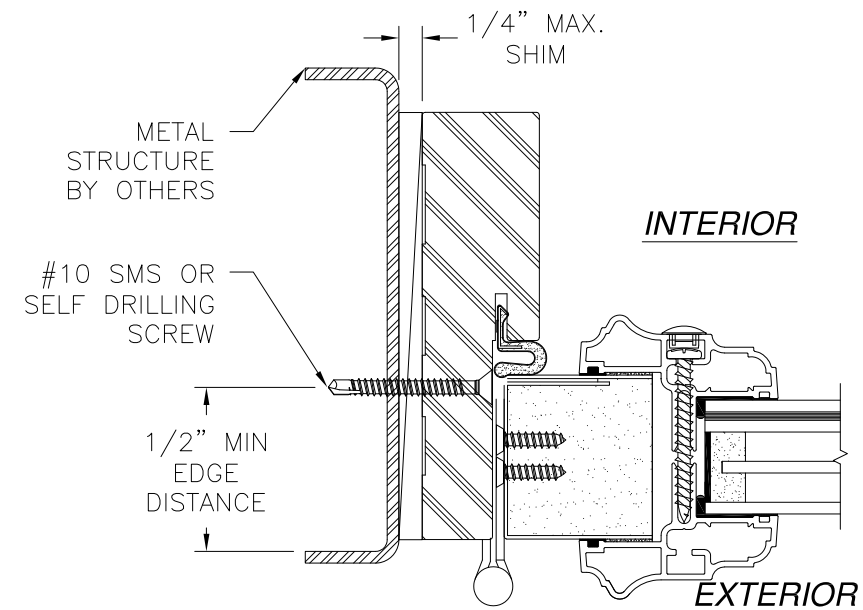


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VERTICAL CROSS SECTION
 DOOR AND TRANSOM INSTALLATION METAL STRUCTURE
 TRANSOM HEAD SHOWN
 TRANSOM JAMB SIMILAR



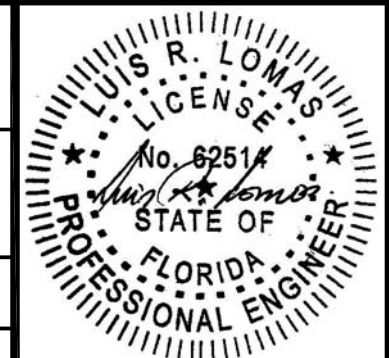
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 DOOR INSTALLATION METAL STRUCTURE

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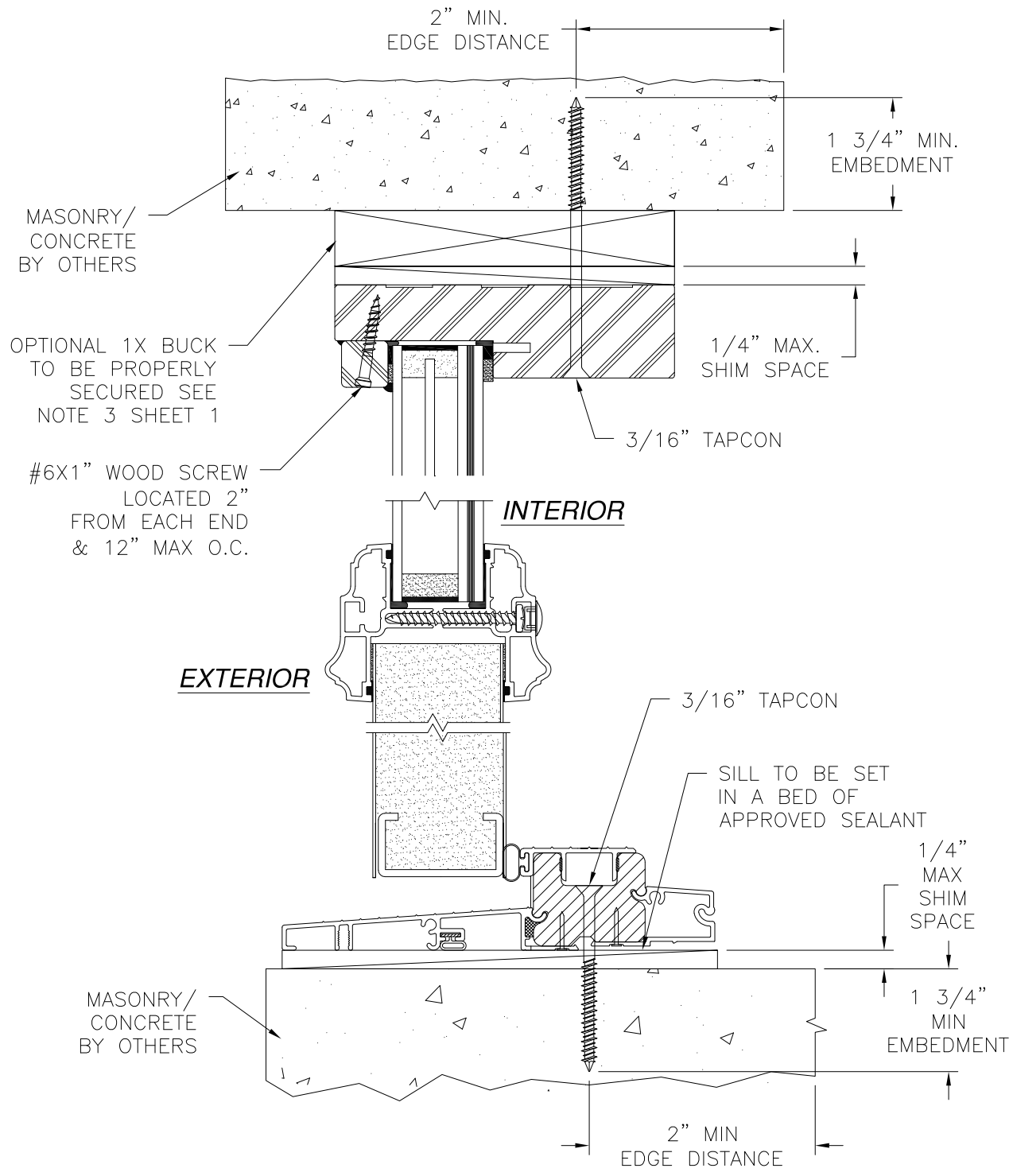
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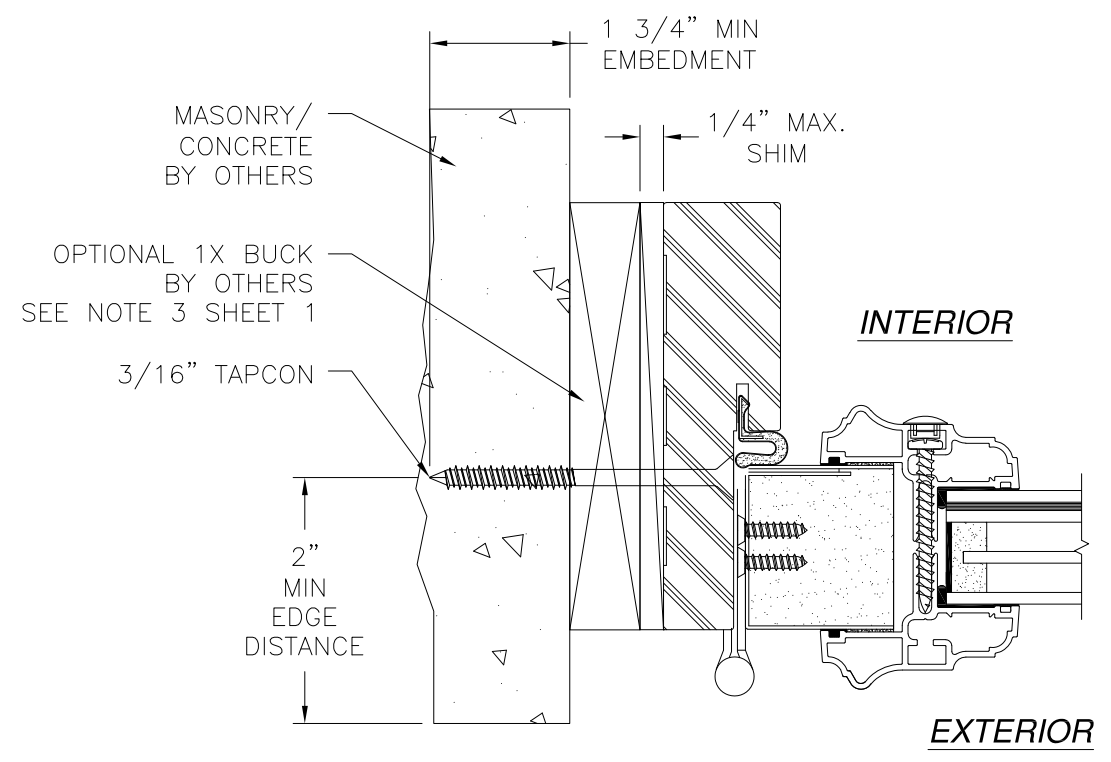
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VERTICAL CROSS SECTION
 DOOR AND TRANSOM INSTALLATION MASONRY/CONCRETE
 TRANSOM HEAD SHOWN
 TRANSOM JAMB SIMILAR

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HORIZONTAL CROSS SECTION
 DOOR INSTALLATION CONCRETE/MASONRY

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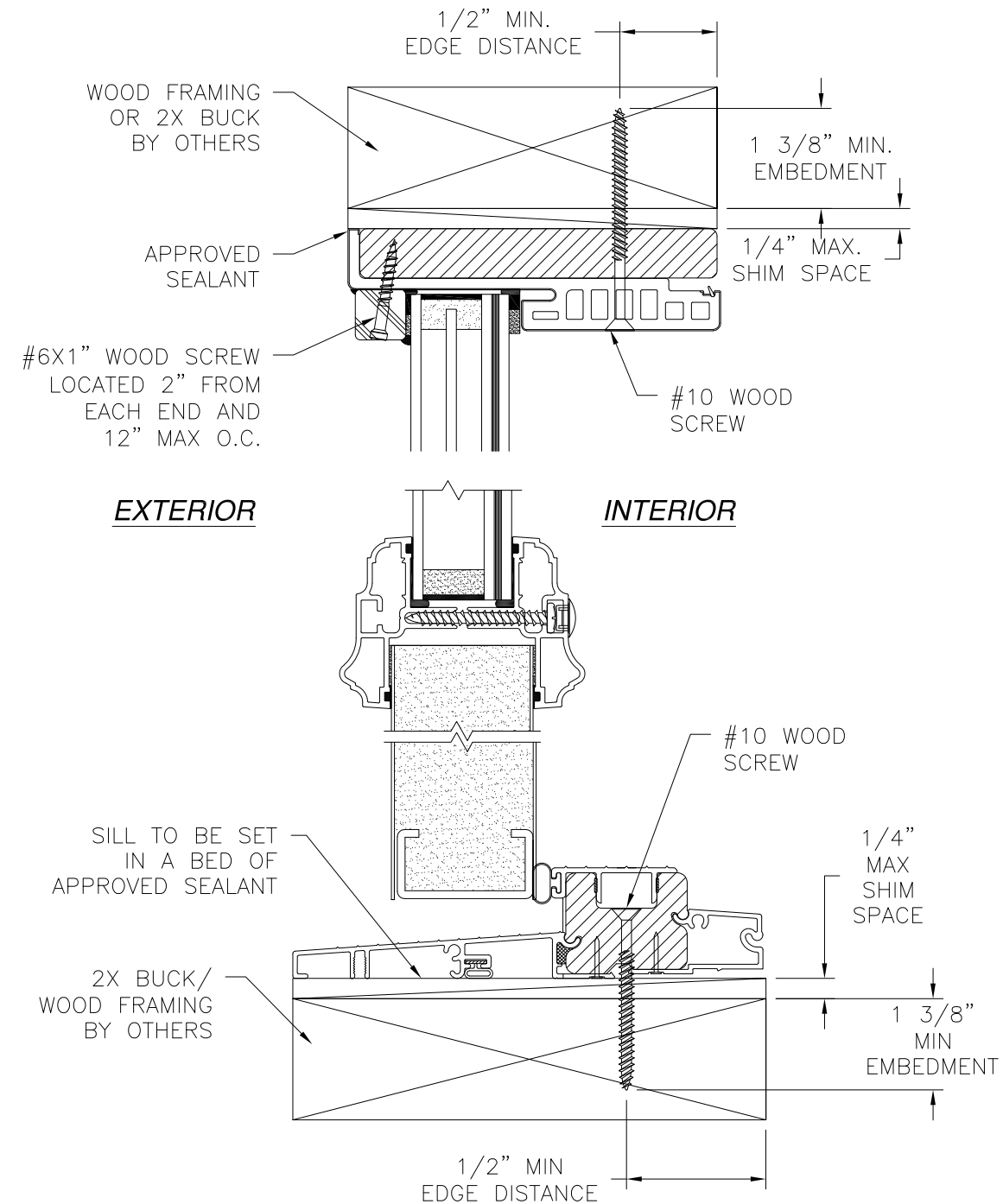
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 W/TRANSOM - IMPACT
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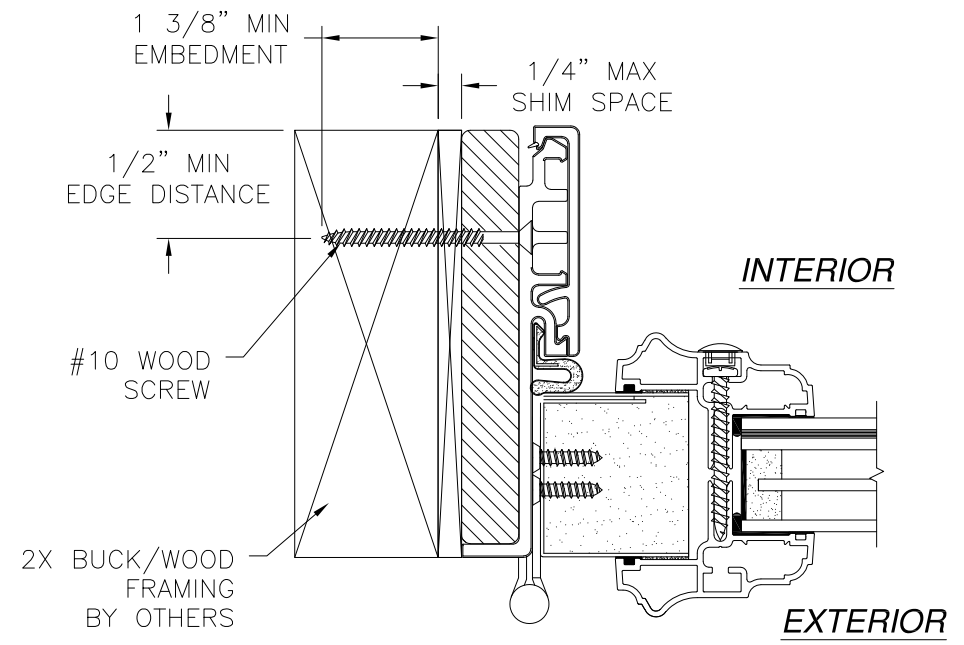
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VERTICAL CROSS SECTION
 DOOR AND TRANSOM INSTALLATION - 2X BUCK/WOOD FRAMING
 TRANSOM HEAD SHOWN
 TRANSOM JAMB SIMILAR



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

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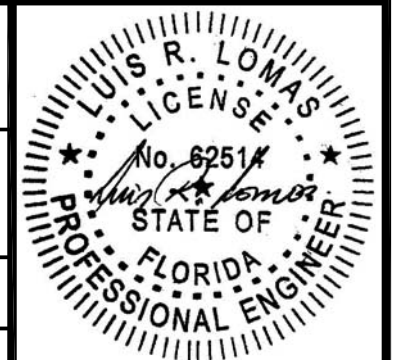
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STEEL OUTSWING GLAZED DOUBLE DOOR
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 INSTALLATION DETAILS W/FUSION FRAME

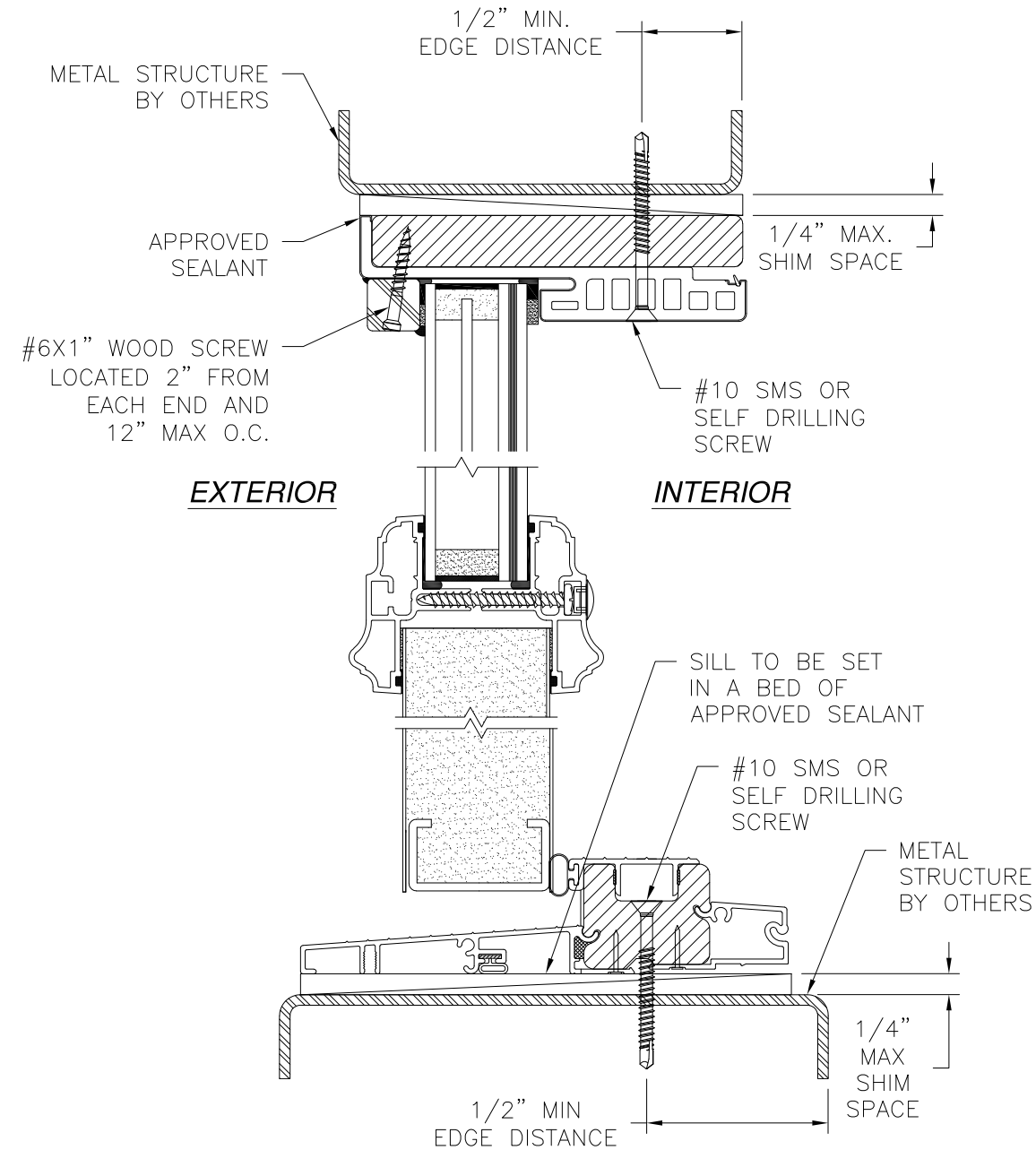
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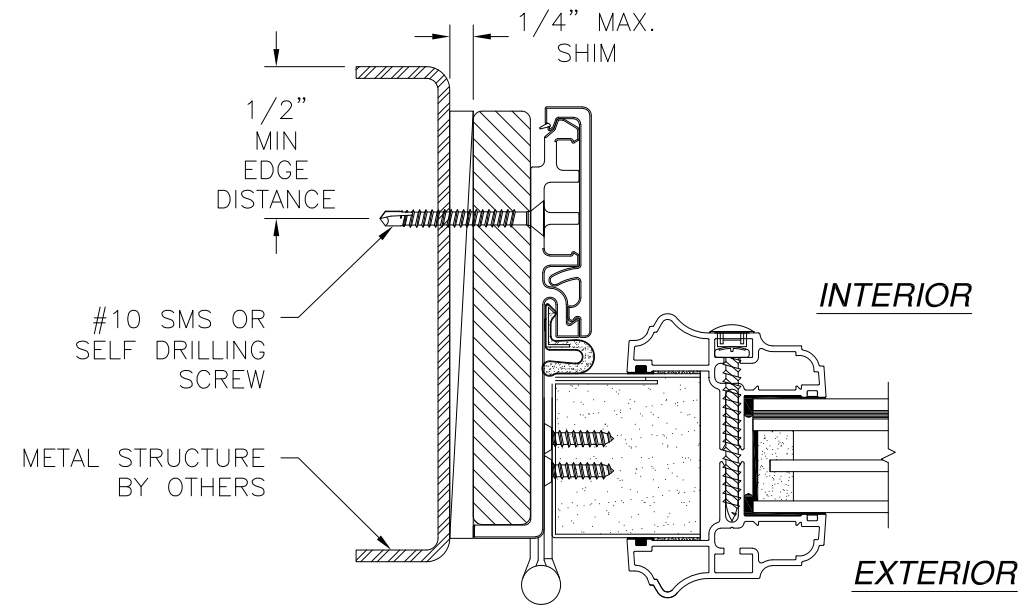


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VERTICAL CROSS SECTION
DOOR AND TRANSOM INSTALLATION METAL STRUCTURE
 TRANSOM HEAD SHOWN
 TRANSOM JAMB SIMILAR



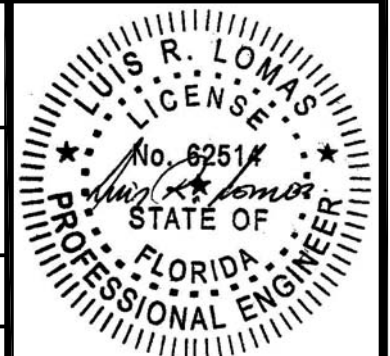
HORIZONTAL CROSS SECTION
DOOR INSTALLATION - METAL STRUCTURE

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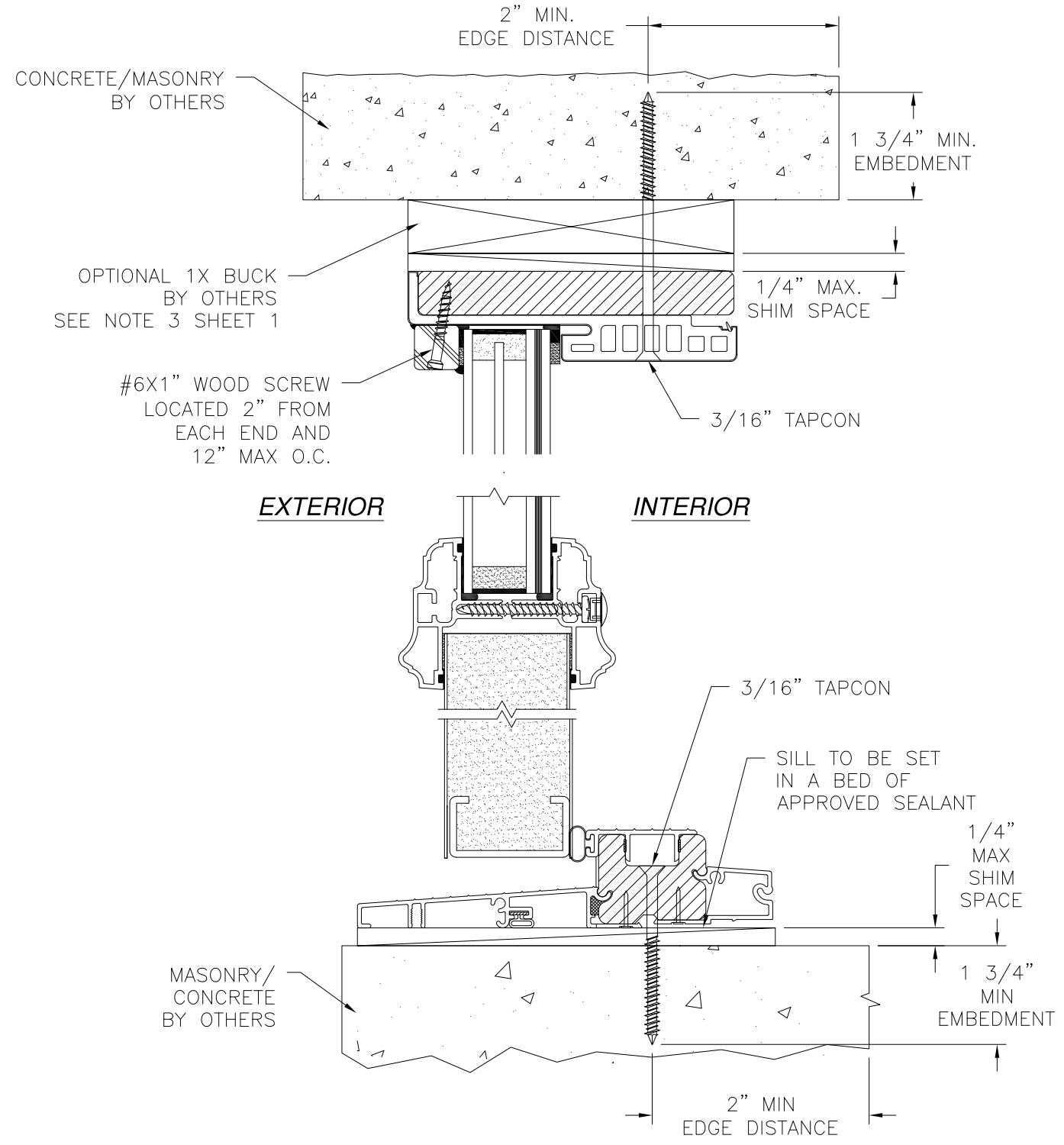
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STEEL OUTSWING GLAZED DOUBLE DOOR W/TRANSOM - IMPACT INSTALLATION DETAILS W/FUSION FRAME		
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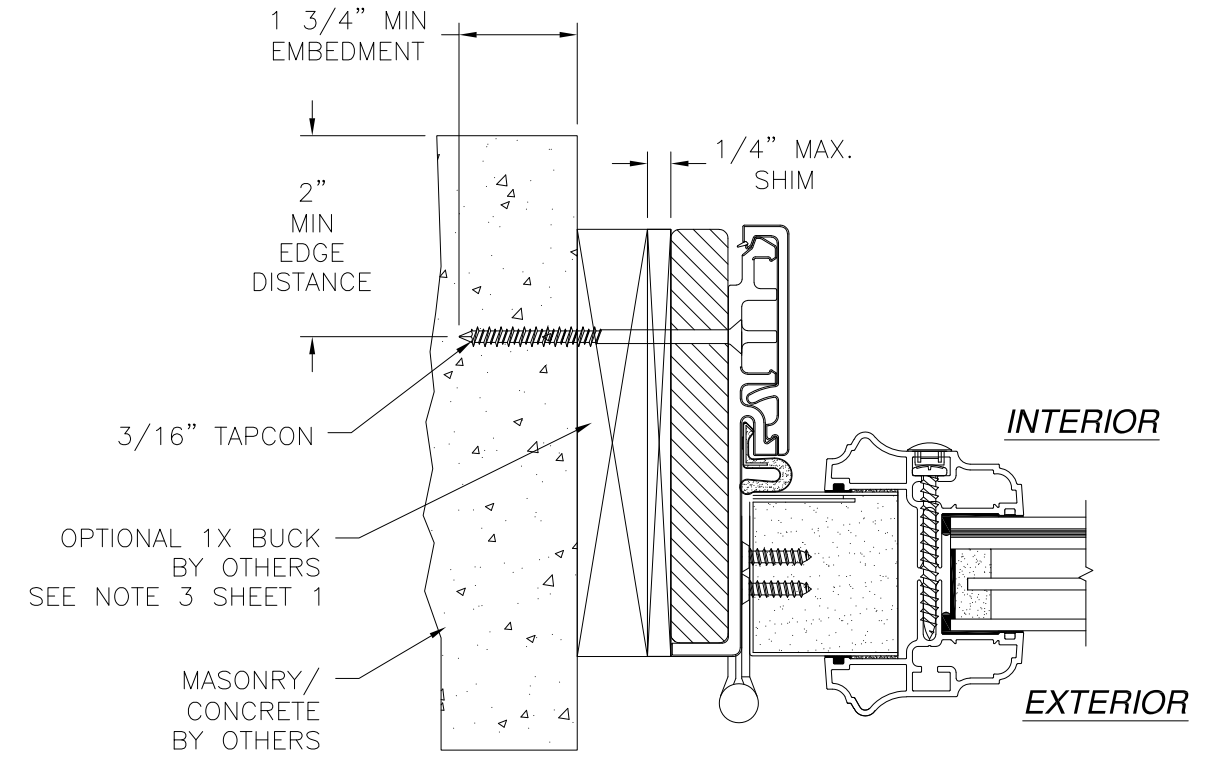


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 TRANSOM HEAD SHOWN
 TRANSOM JAMB SIMILAR



HORIZONTAL CROSS SECTION
 DOOR INSTALLATION CONCRETE/MASONRY

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 INSTALLATION DETAILS W/FUSION FRAME

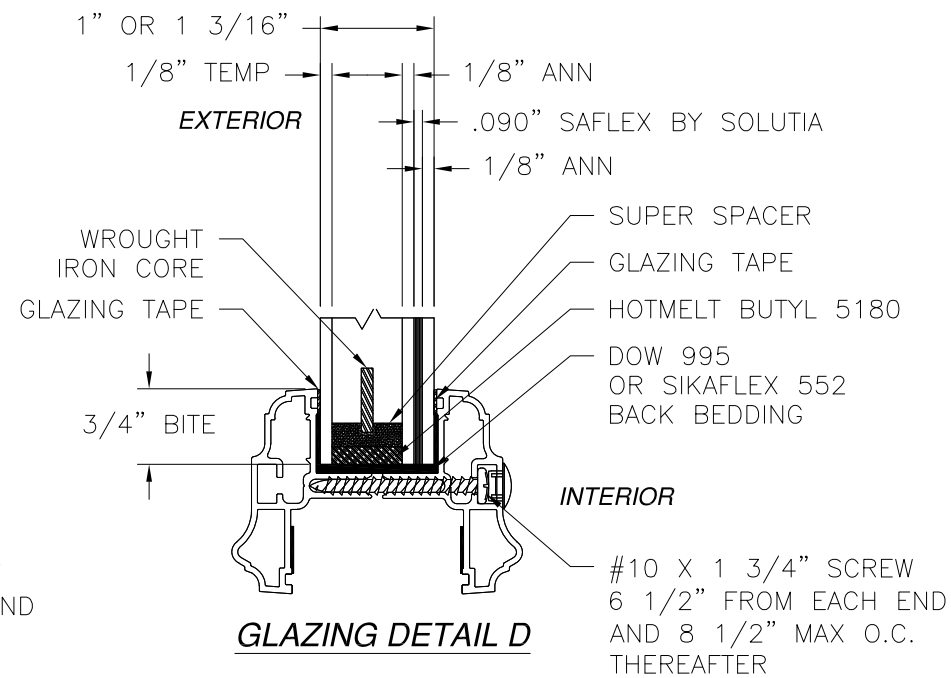
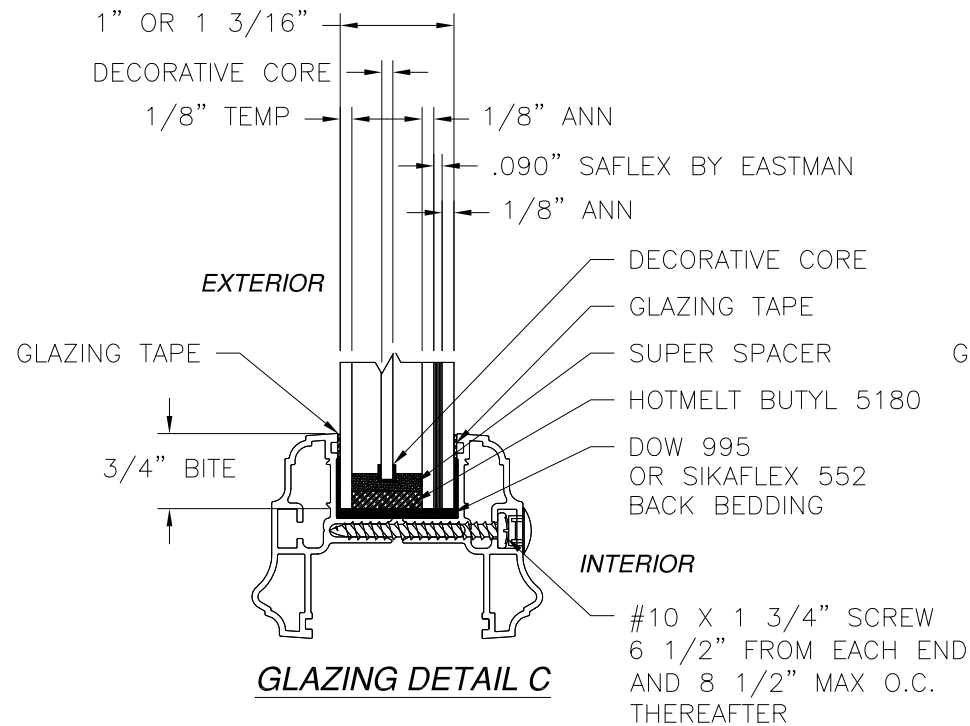
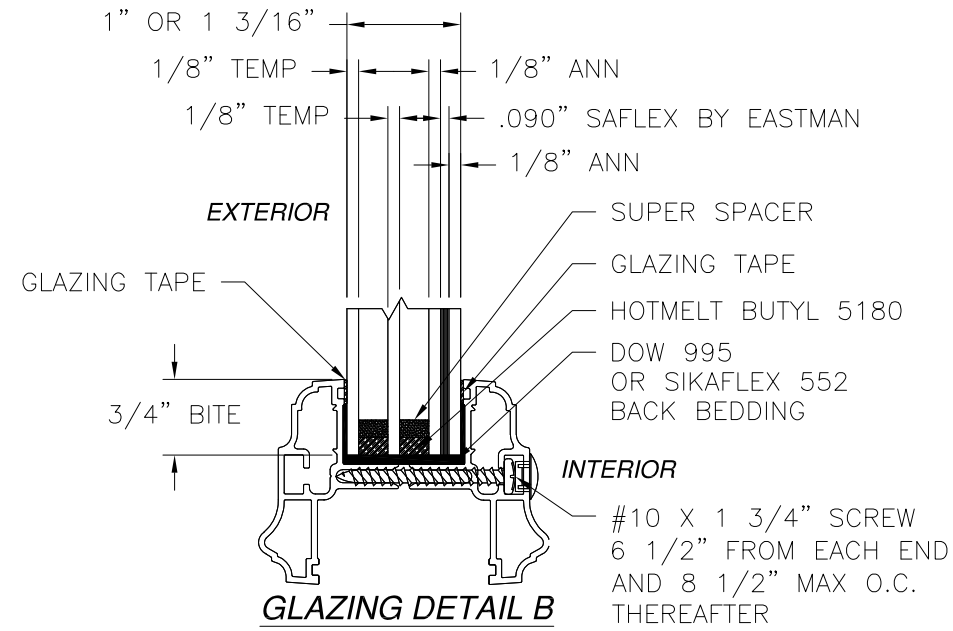
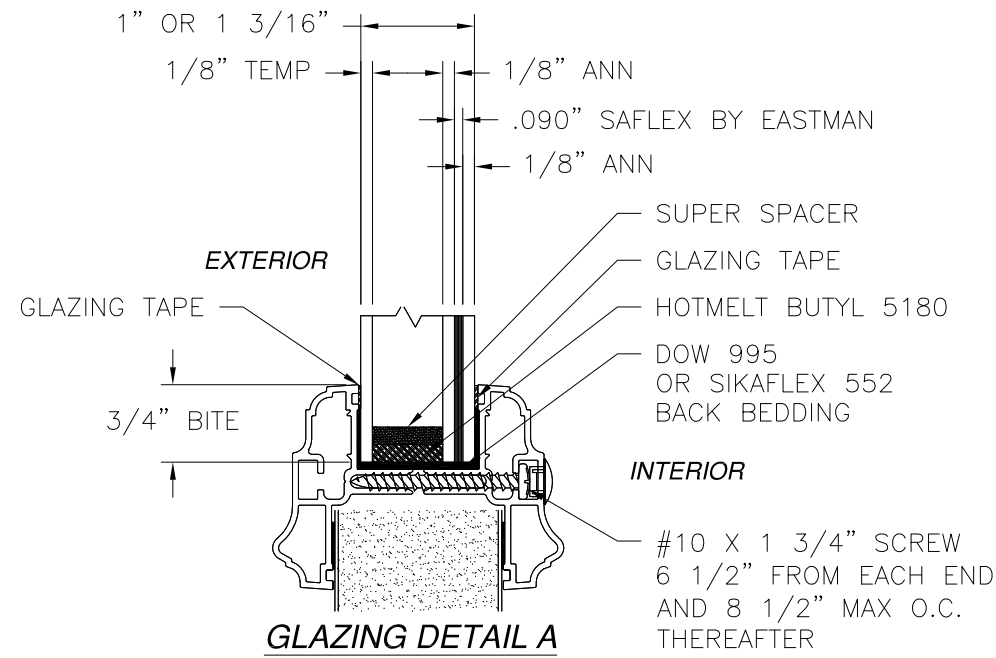
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Professional Engineer Seal for Luis R. Lomas, State of Florida, License No. 62514.

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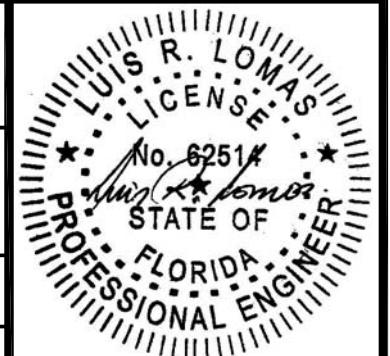
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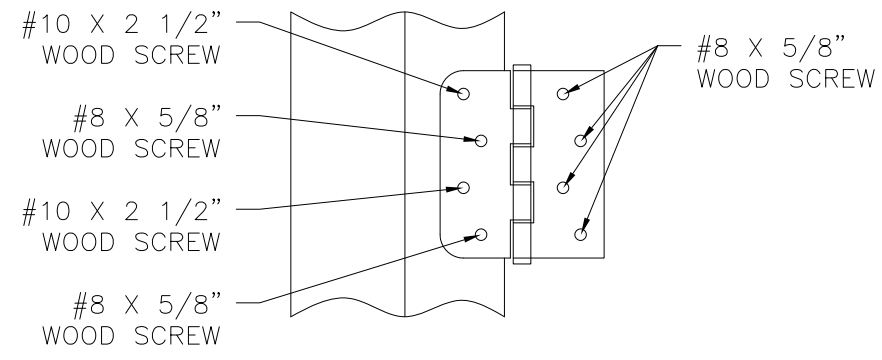
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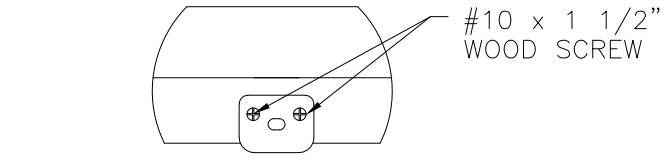


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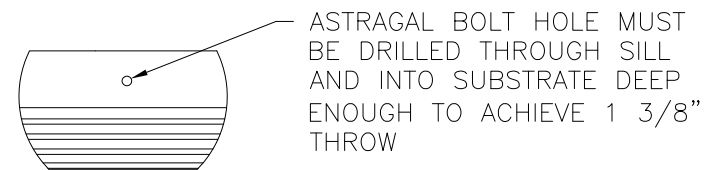
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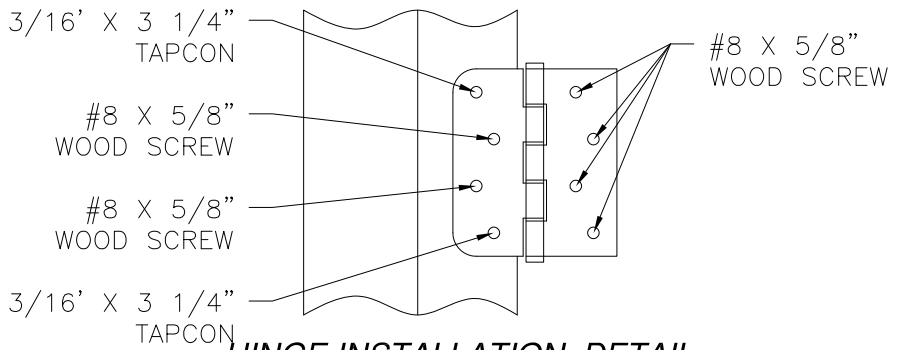
HINGE INSTALLATION DETAIL
2X BUCK/WOOD FRAMING



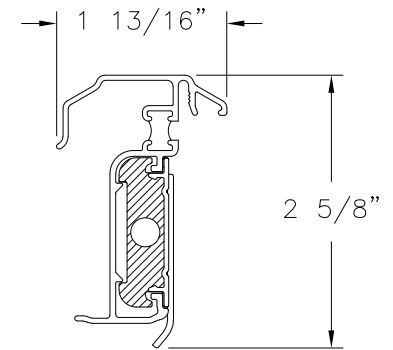
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2X BUCK/WOOD FRAMING



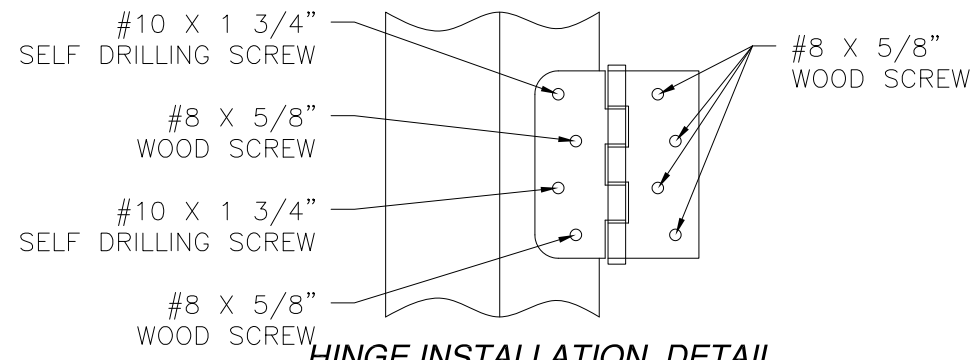
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HINGE INSTALLATION DETAIL
MASONRY/CONCRETE



HURRICANE ASTRAGAL DETAIL



HINGE INSTALLATION DETAIL
METAL STRUCTURE

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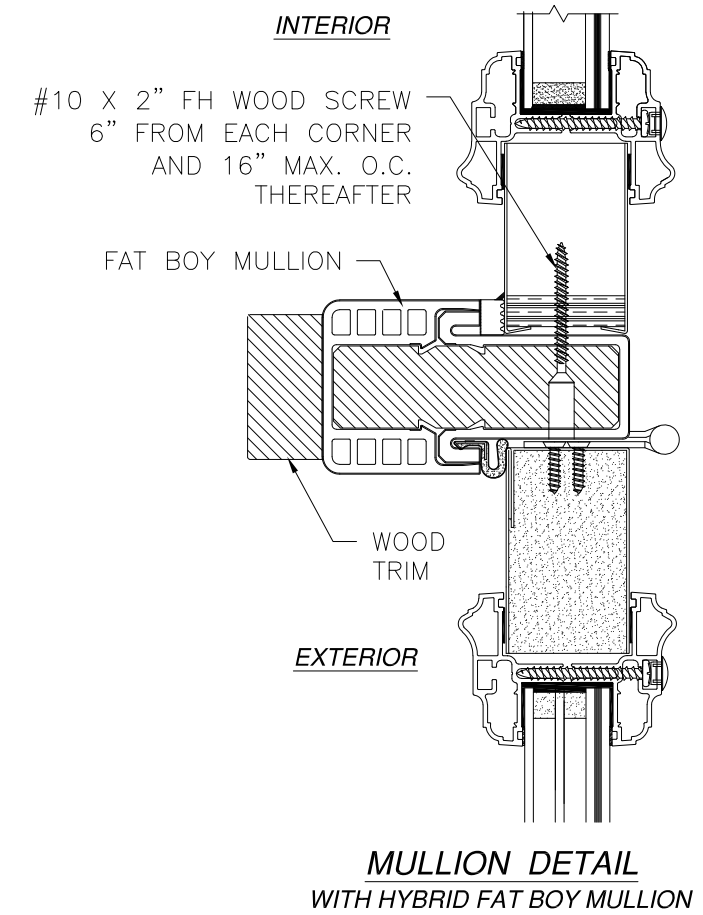
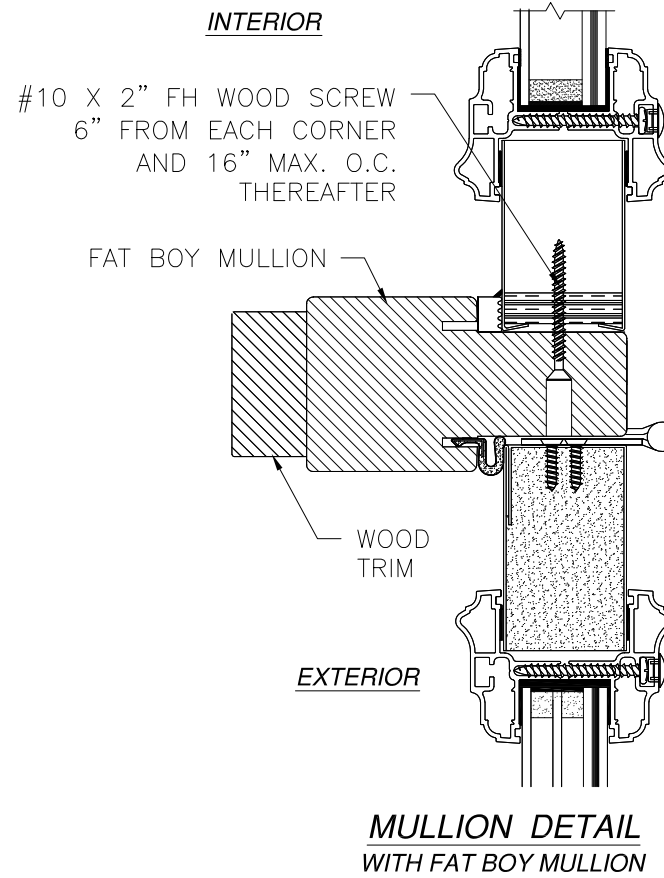
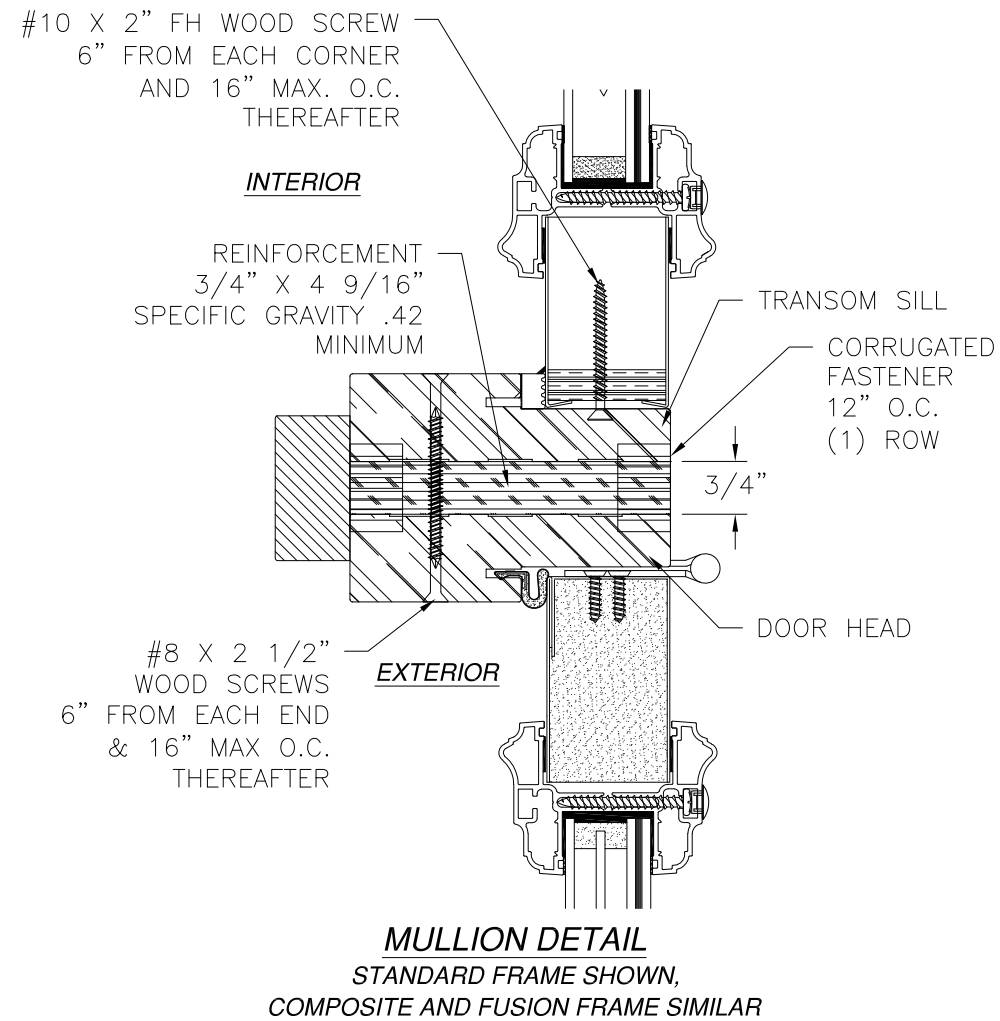
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W/TRANSOM - IMPACT
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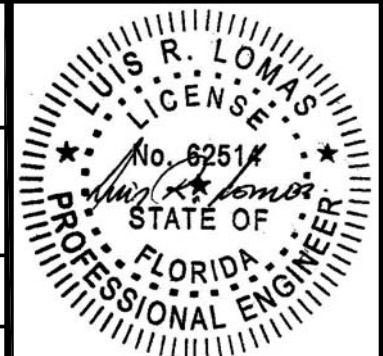
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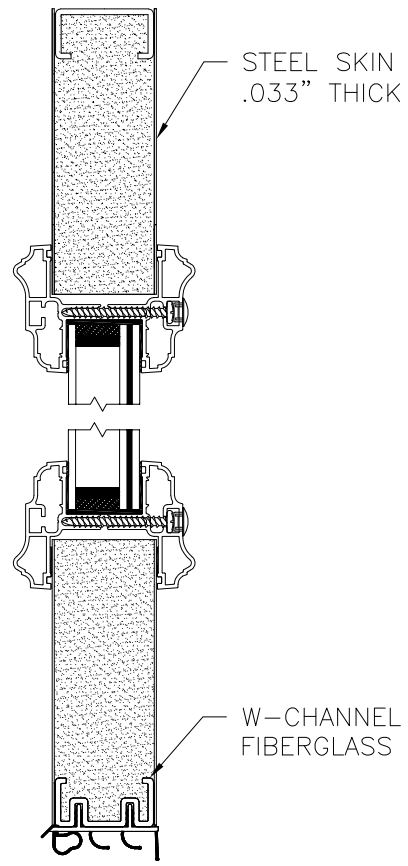
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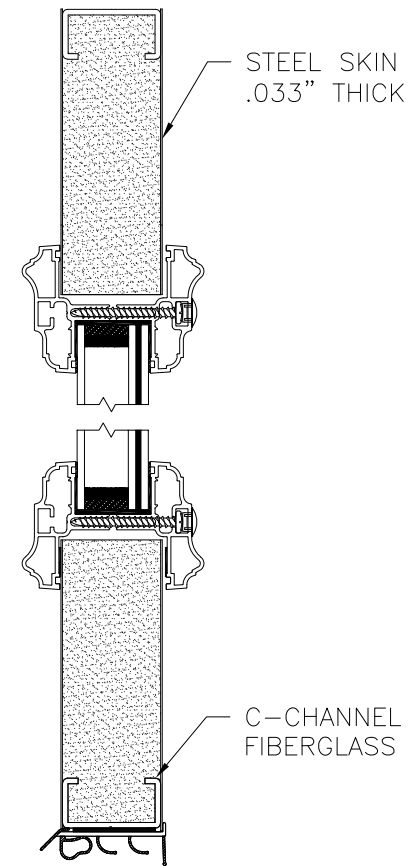
Luis R. Lomas P.E.
FL No.: 62514

APPROVED SLABS AND TRIMS

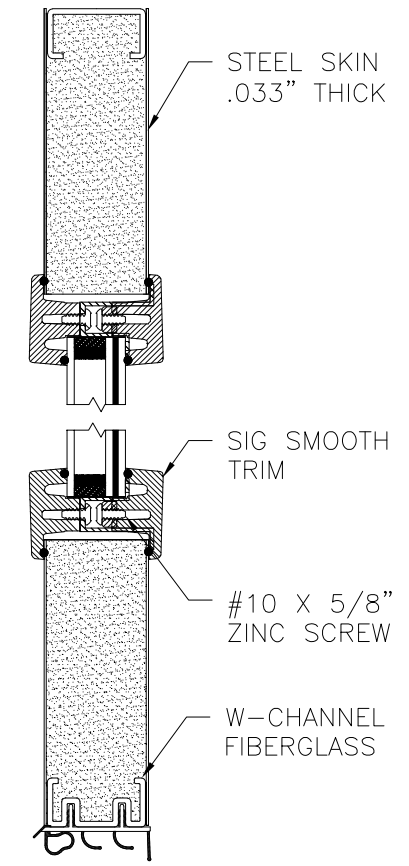
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REV	DESCRIPTION	DATE	APPROVED
H	ADDED MULTILITE PANELS & TRIMS	08/17/2021	R.L.



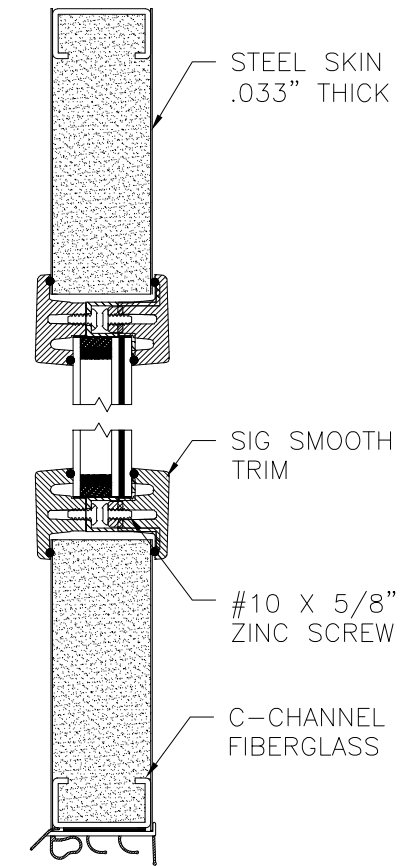
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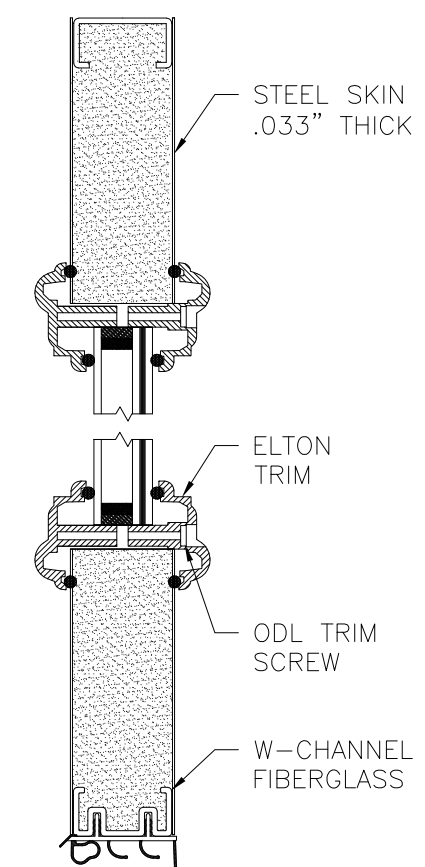
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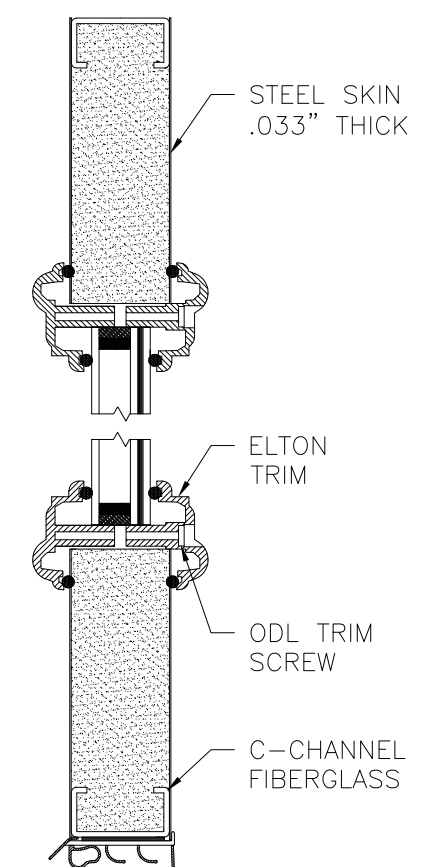
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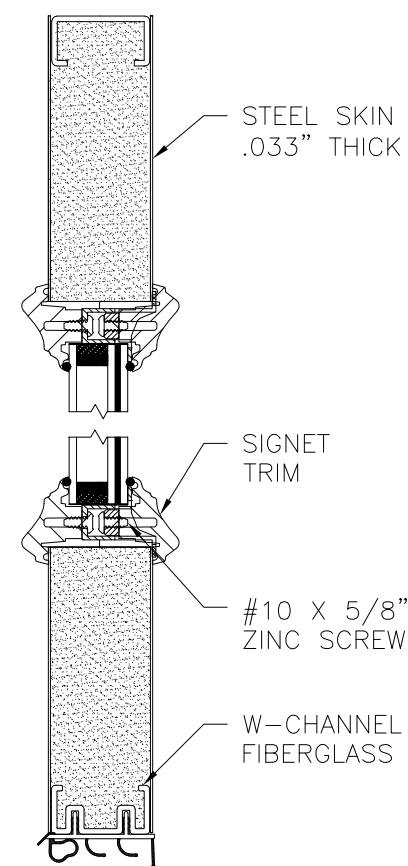
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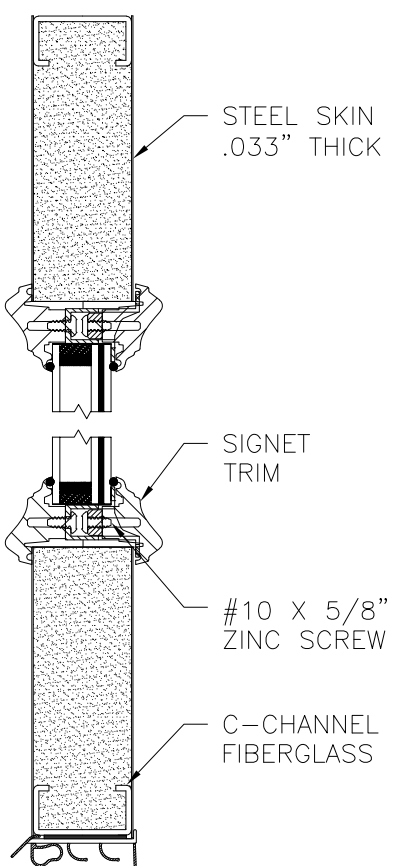
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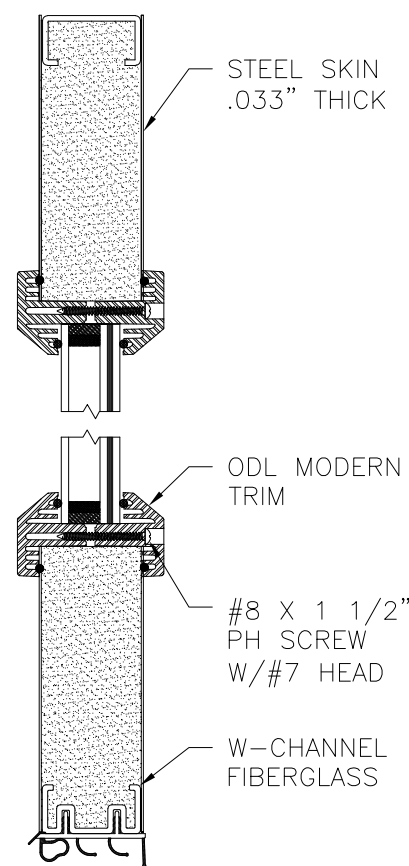
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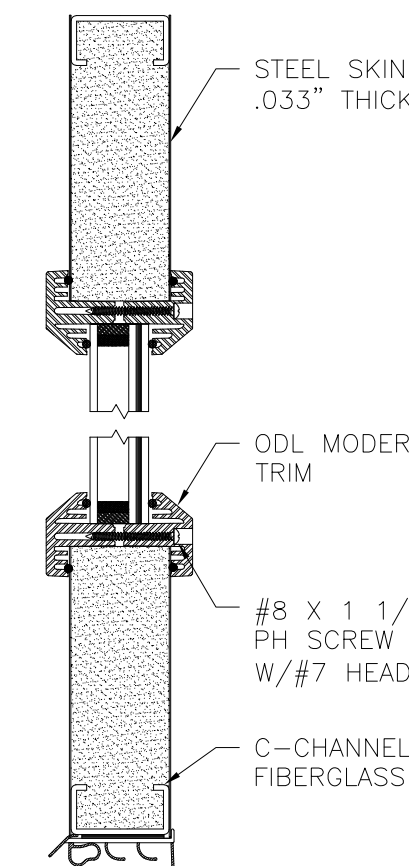
PANEL OPTION 5



PANEL OPTION 6



PANEL OPTION 7



PANEL OPTION 8

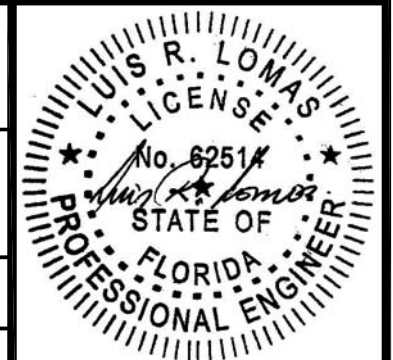
PROVIA, LLC.
2150 STATE ROUTE 39 WEST
SUGARCREEK, OH 44681

STEEL OUTSWING GLAZED DOUBLE DOOR
W/TRANSOM - IMPACT
APPROVED SLABS

DRAWN: V.L.	DWG NO. 08-02023	REV H
SCALE NTS	DATE 05/20/13	SHEET 12 OF 13

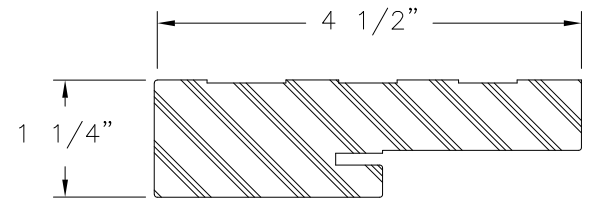
L. ROBERTO LOMAS P.E.
1432 WOODFORD RD LEWISVILLE, NC 27023
434-688-0609 rllomas@rlomaspe.com

SIGNED: 09/07/2021

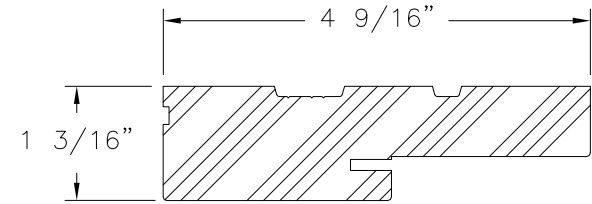


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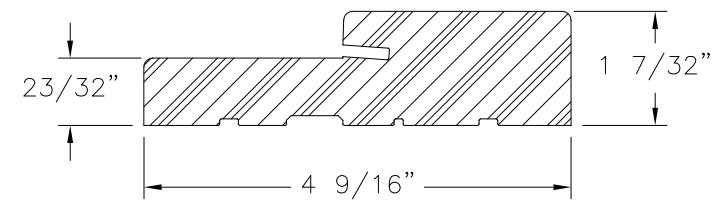
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H	ADDED MULTILITE PANELS & TRIMS	08/17/2021	R.L.



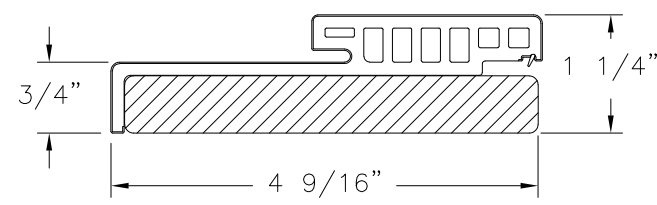
COMPOSITE FRAME PROFILE



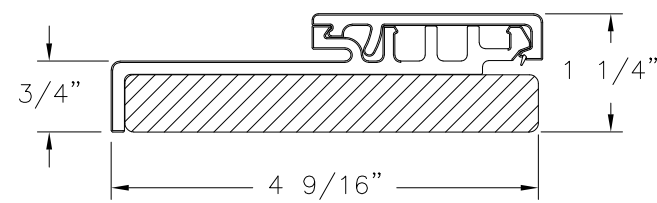
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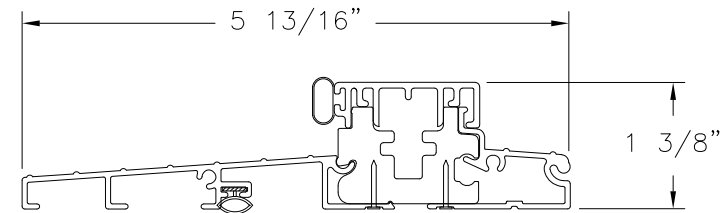
**FRAMESAVER
COMPOSITE**



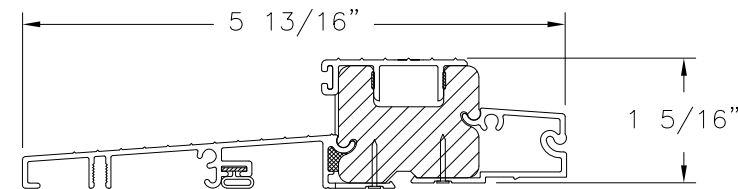
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WOOD/COMPOSITE**



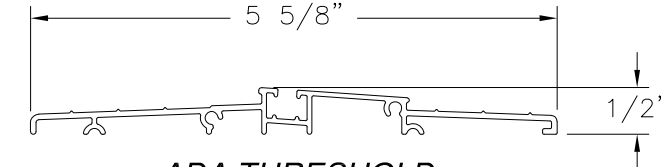
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WOOD/COMPOSITE**



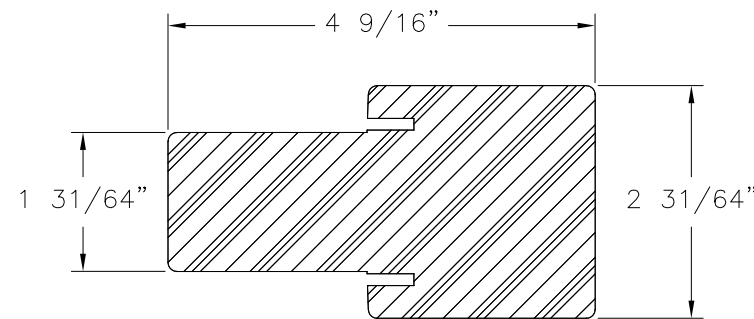
STANDARD OUTSWING THRESHOLD



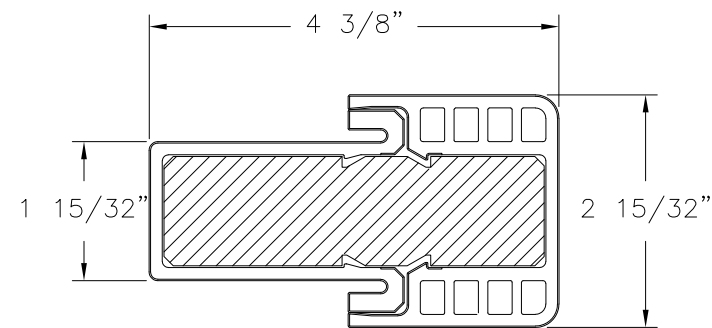
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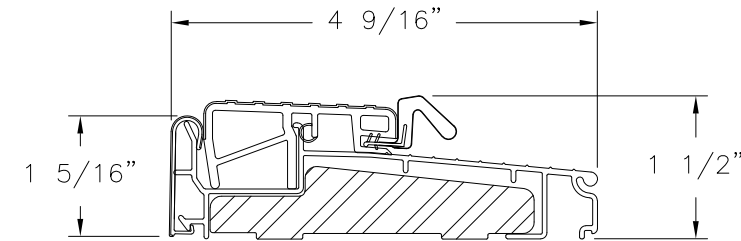
ADA THRESHOLD



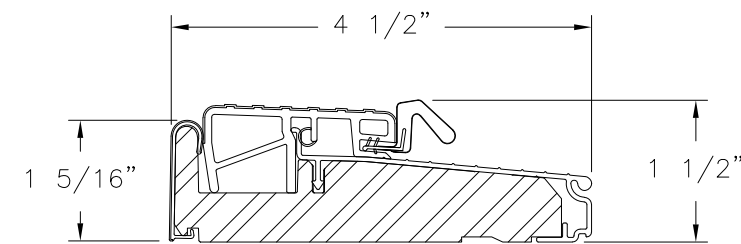
**FAT BOY MULLION
COMPOSITE**



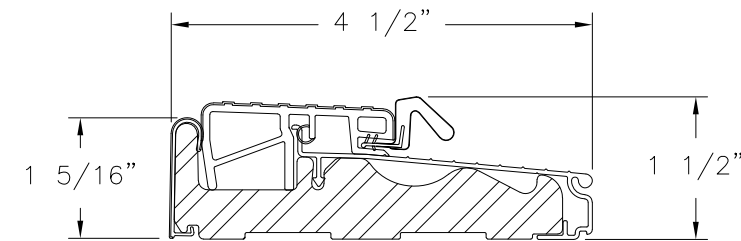
**HYBRID FAT BOY MULLION
COMPOSITE**



OUTSWING SILL ZOBL4565



OUTSWING SILL ZOB4565F



OUTSWING SILL ZOBLH4565

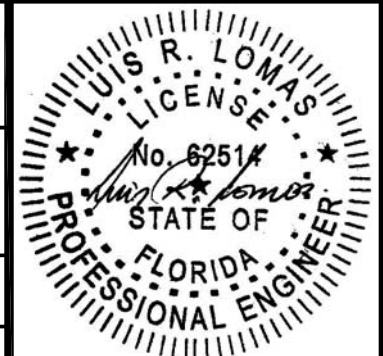
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DRAWN: V.L.	DWG NO. 08-02023	REV H
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