

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

NOTES:

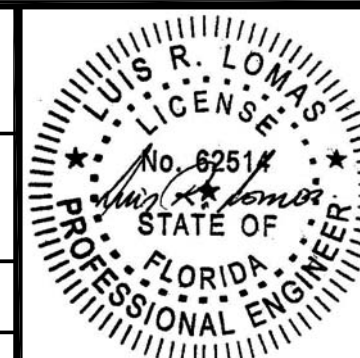
1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE FLORIDA BUILDING CODE.
2. WOOD FRAMING, METAL STRUCTURE AND MASONRY OPENING TO BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO STRUCTURE. FRAMING AND MASONRY OPENING IS THE RESPONSIBILITY OF THE ARCHITECT 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)
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

SIGNED: 09/07/2021

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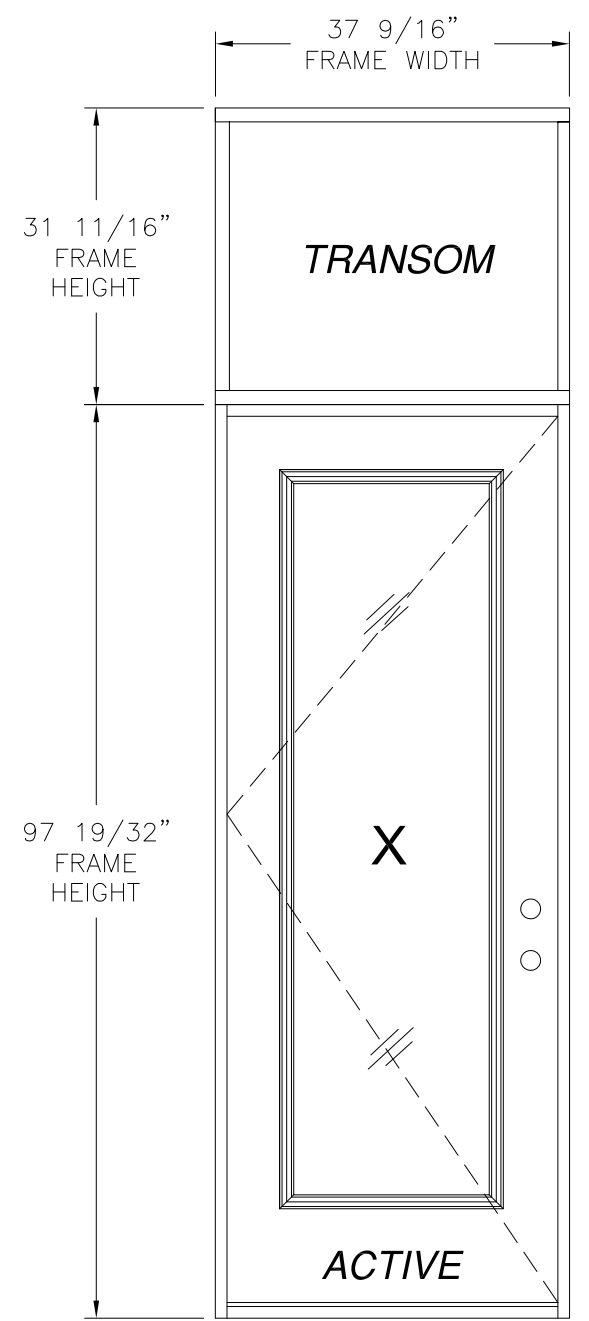
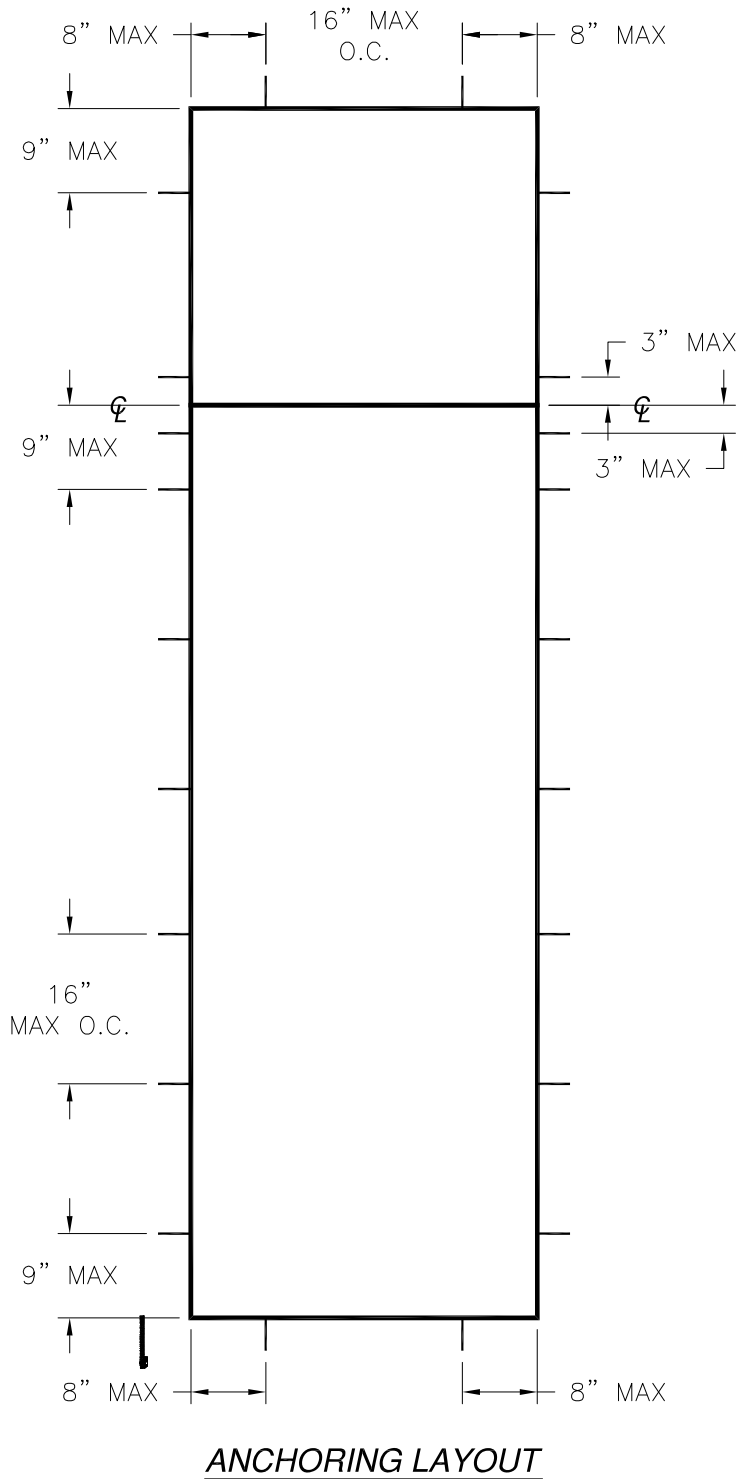
PROVIA, LLC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
STEEL OUTSWING GLAZED SINGLE DOOR W/TRANSOM – IMPACT NOTES		
DRAWN: J.L.	DWG NO. 08-02020	REV H
SCALE NTS	DATE 05/10/13	SHEET 1 OF 12
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@rlomaspe.com		



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

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)

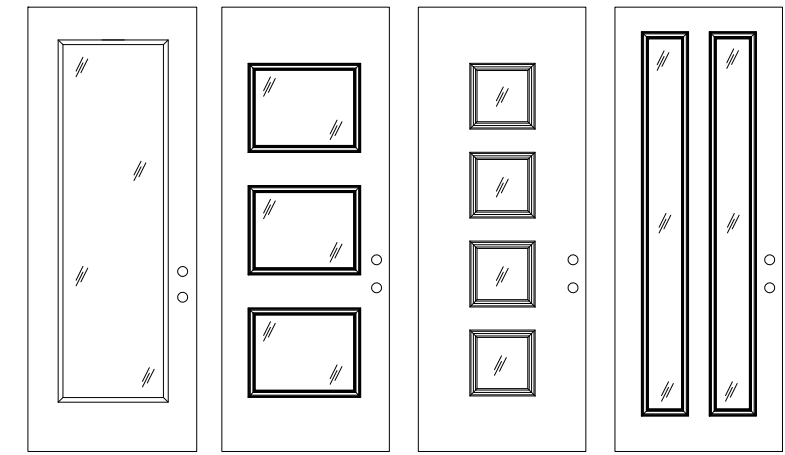
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DESIGN PRESSURE RATING	IMPACT RATING
±55.0PSF	LARGE MISSILE IMPACT

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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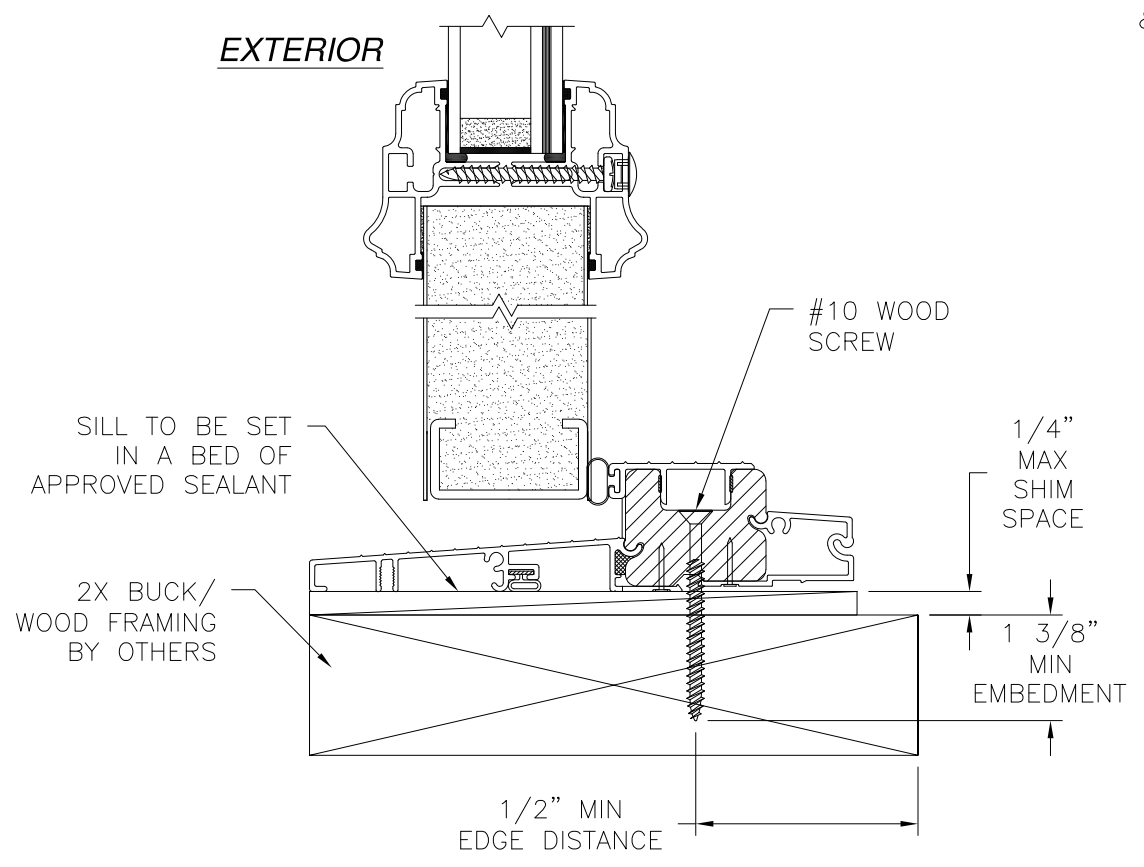
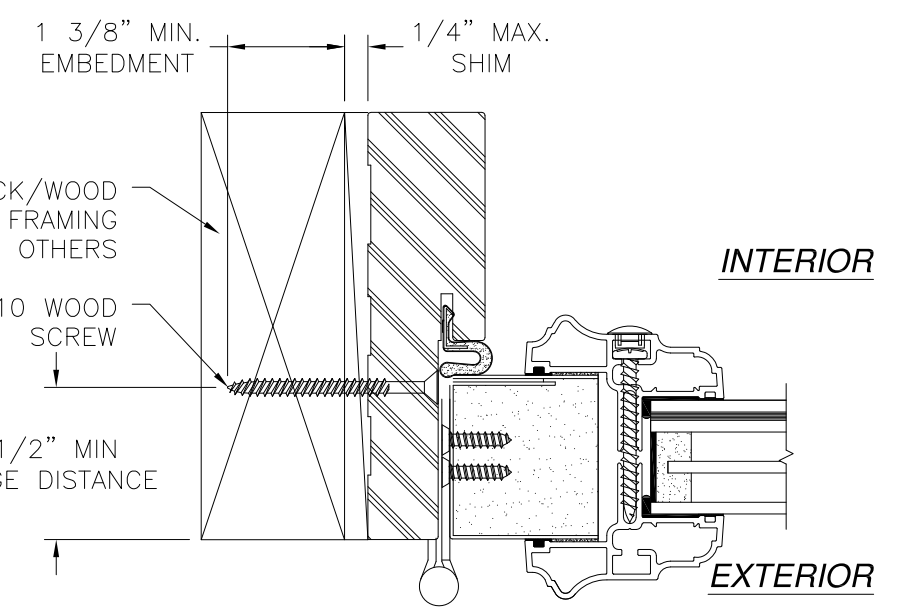
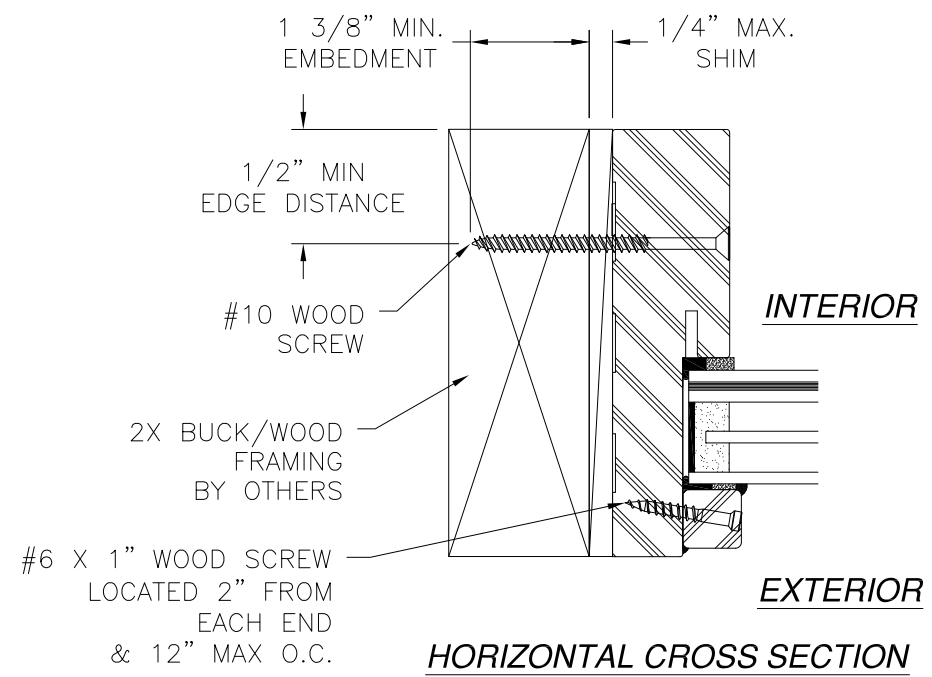
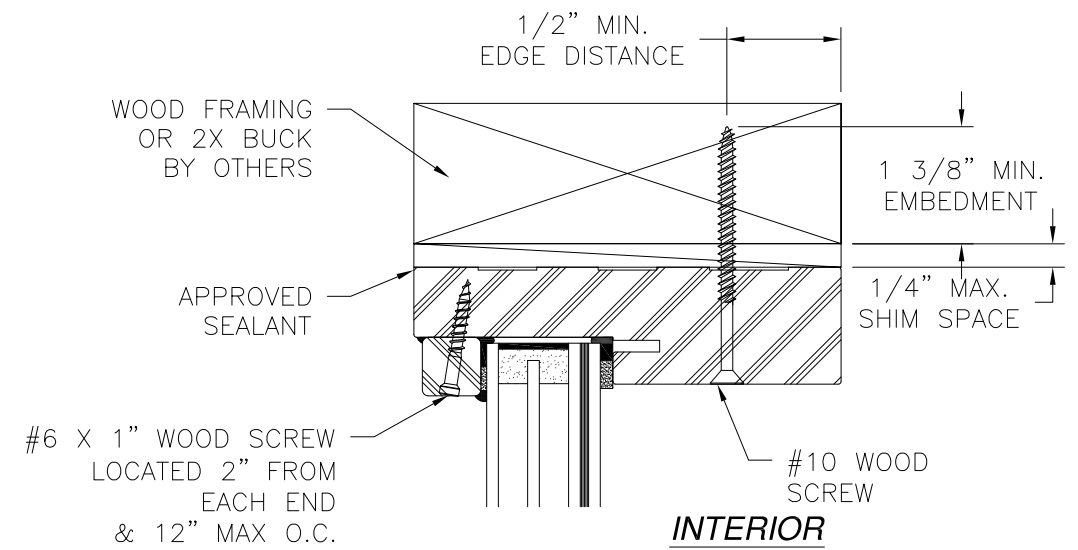
STEEL OUTSWING GLAZED SINGLE DOOR
 W/TRANSOM - IMPACT
 ELEVATION AND ANCHORING LAYOUT

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SCALE NTS	DATE 05/10/13	SHEET 2 OF 12

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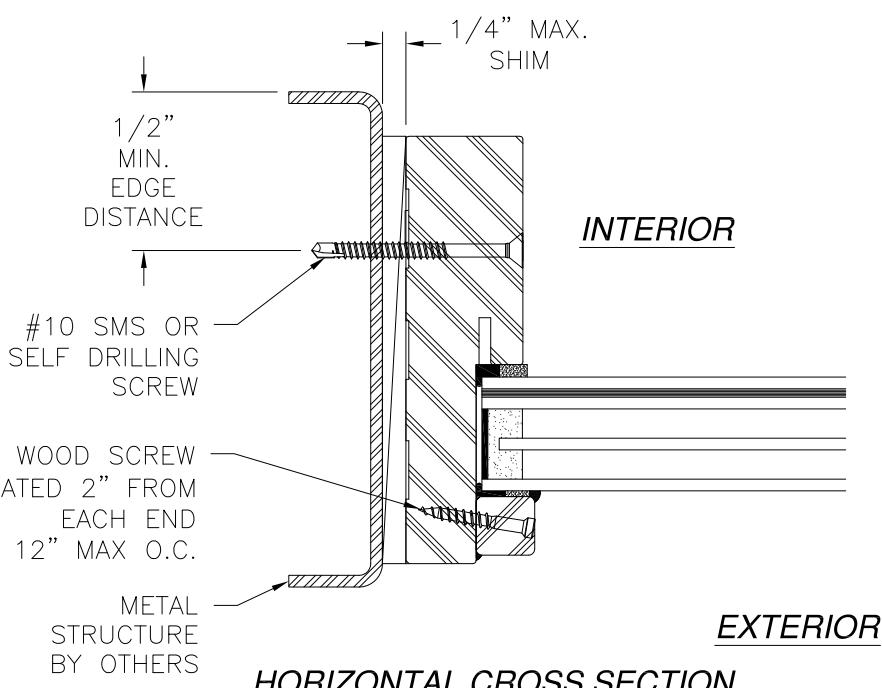
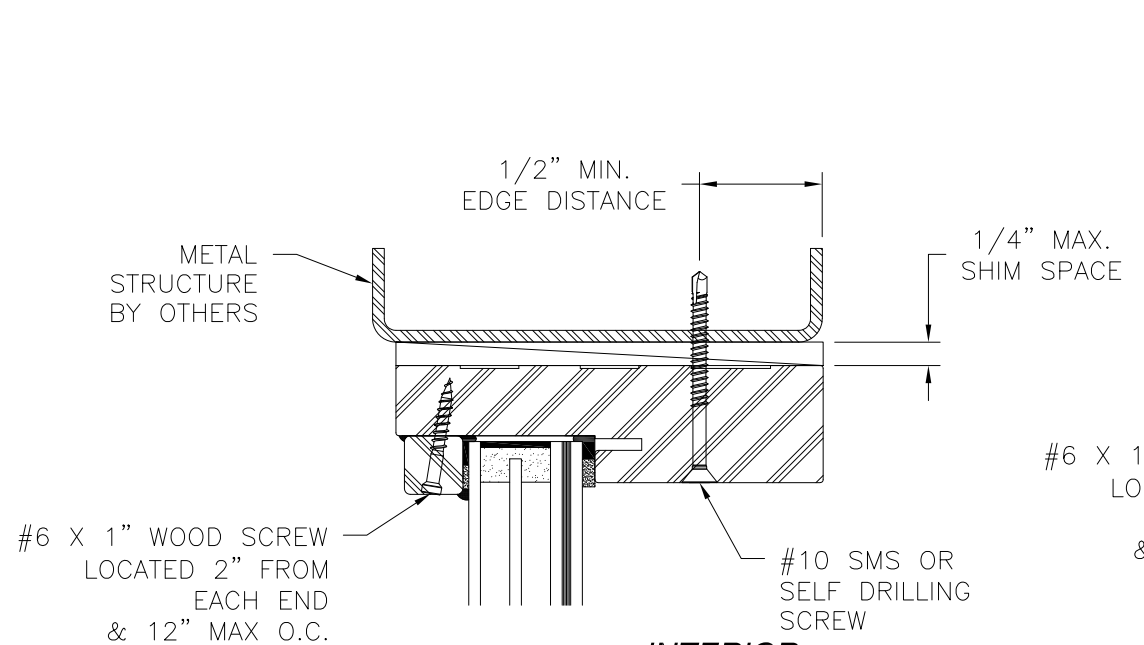
STEEL OUTSWING GLAZED SINGLE DOOR
W/TRANSOM - IMPACT
INSTALLATION DETAILS

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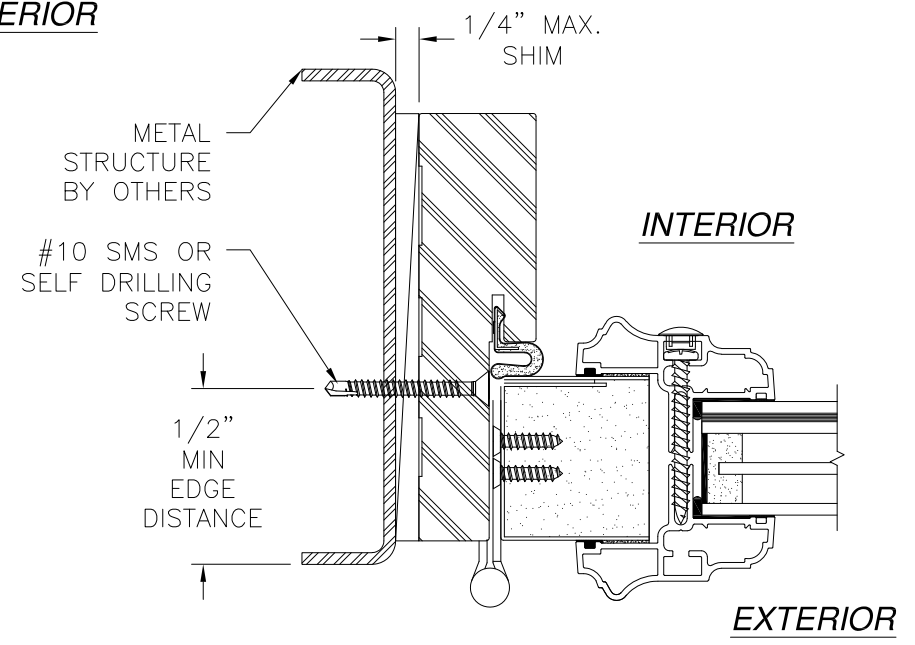
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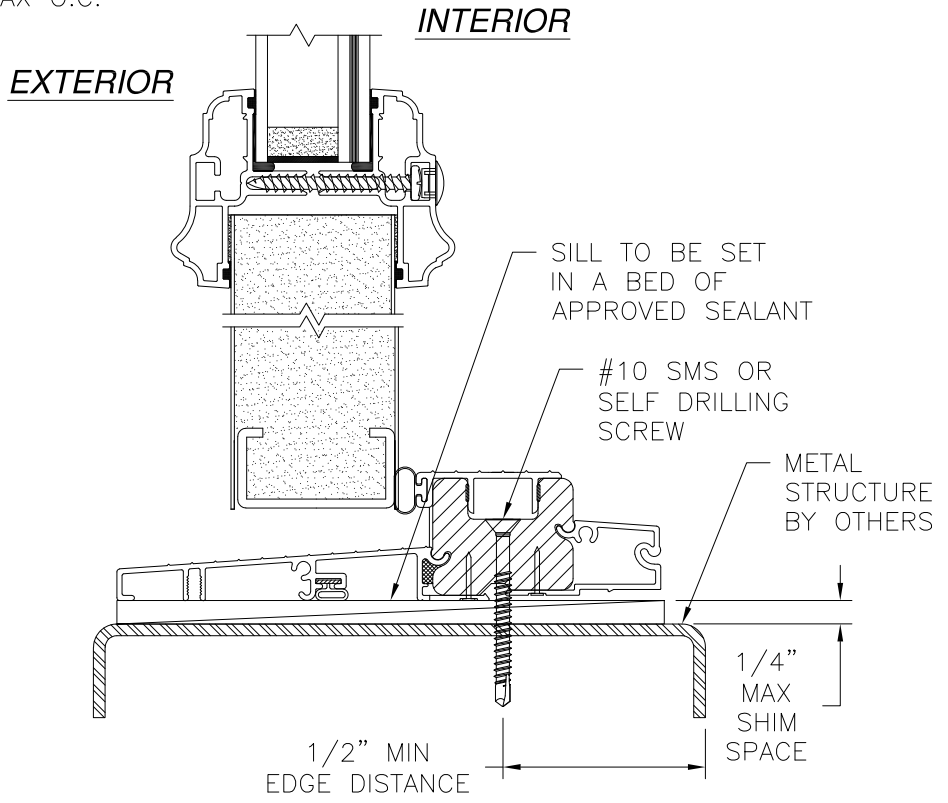
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**HORIZONTAL CROSS SECTION
TRANSOM INSTALLATION METAL STRUCTURE**



**HORIZONTAL CROSS SECTION
DOOR INSTALLATION METAL STRUCTURE**



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

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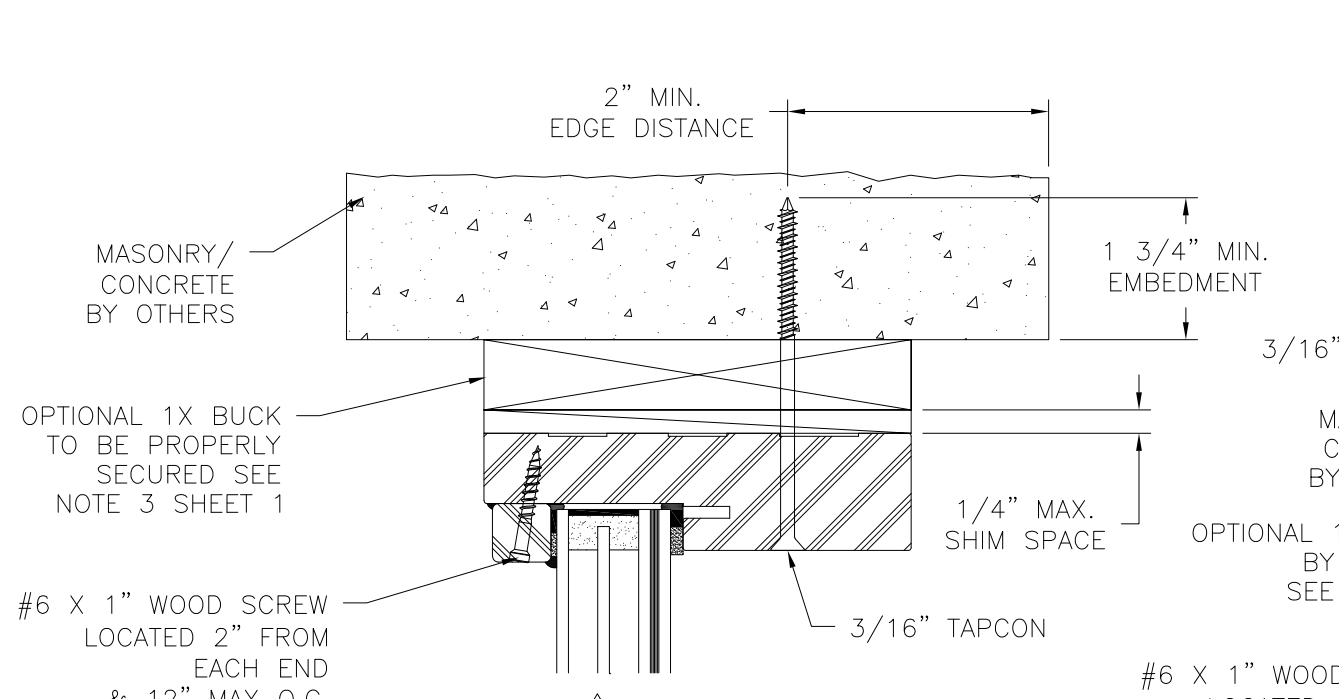
STEEL OUTSWING GLAZED SINGLE DOOR
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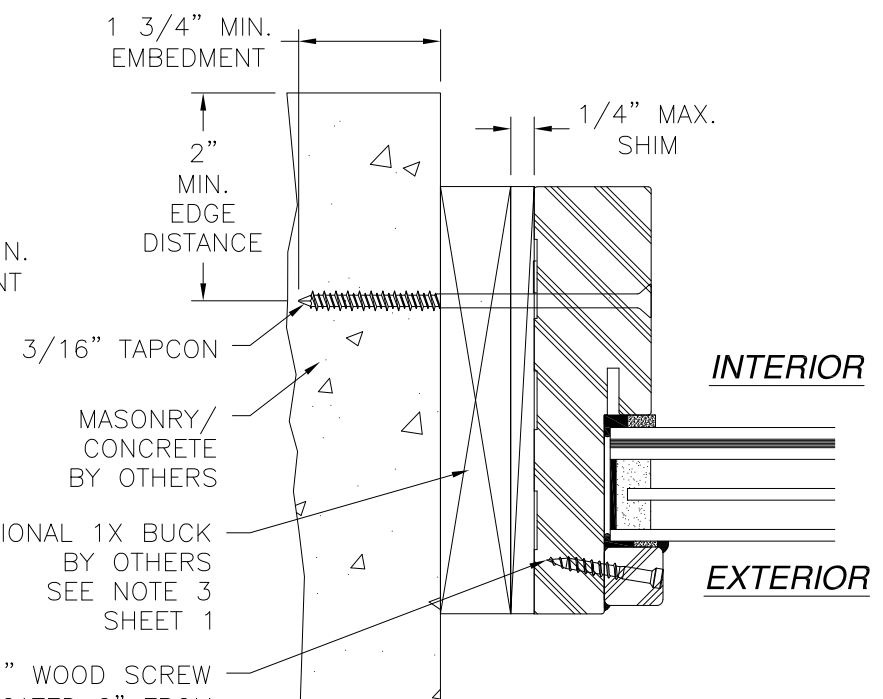
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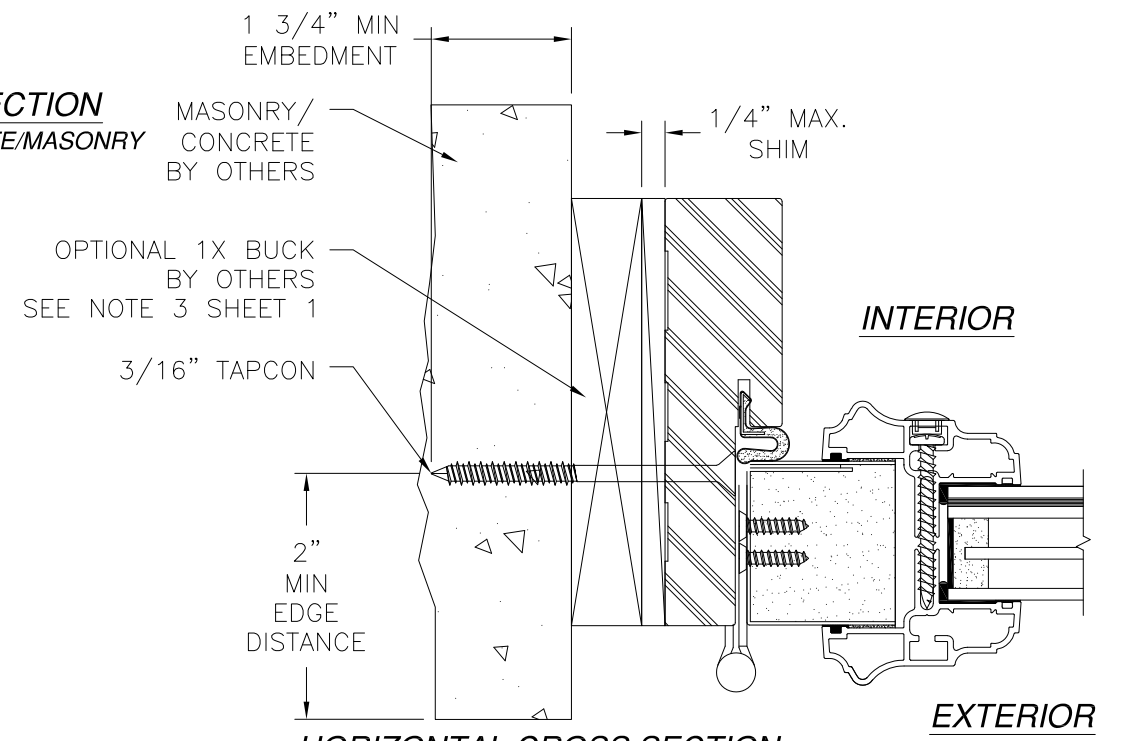


VERTICAL CROSS SECTION
DOOR AND TRANSOM INSTALLATION
MASONRY/CONCRETE

- NOTES:
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HORIZONTAL CROSS SECTION
TRANSOM INSTALLATION CONCRETE/MASONRY



HORIZONTAL CROSS SECTION
DOOR INSTALLATION CONCRETE/MASONRY

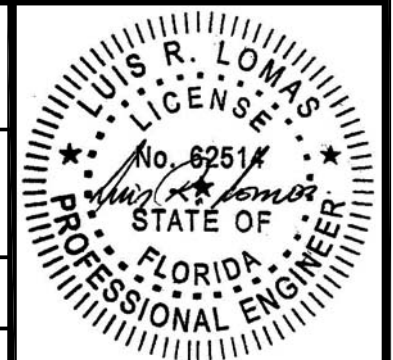
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STEEL OUTSWING GLAZED SINGLE DOOR
W/TRANSOM - IMPACT
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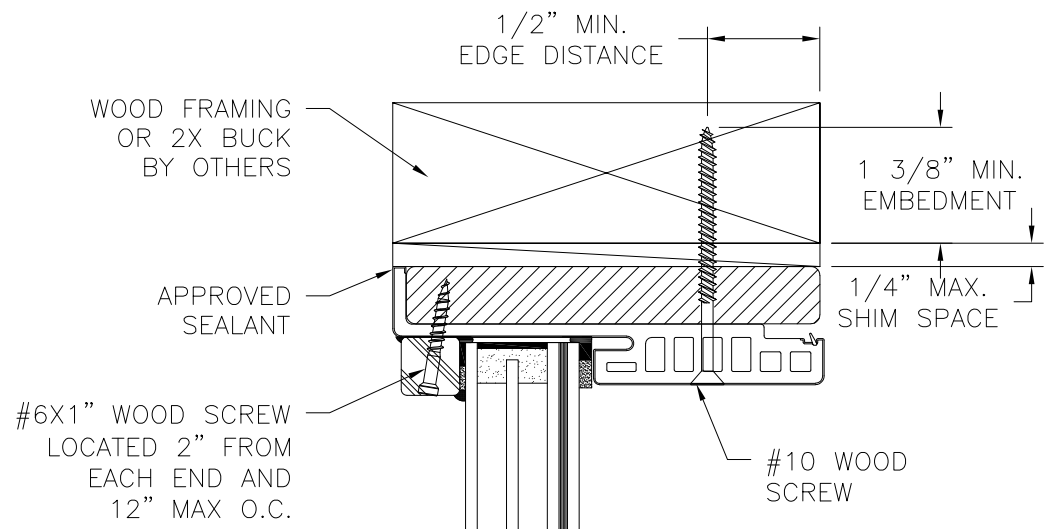
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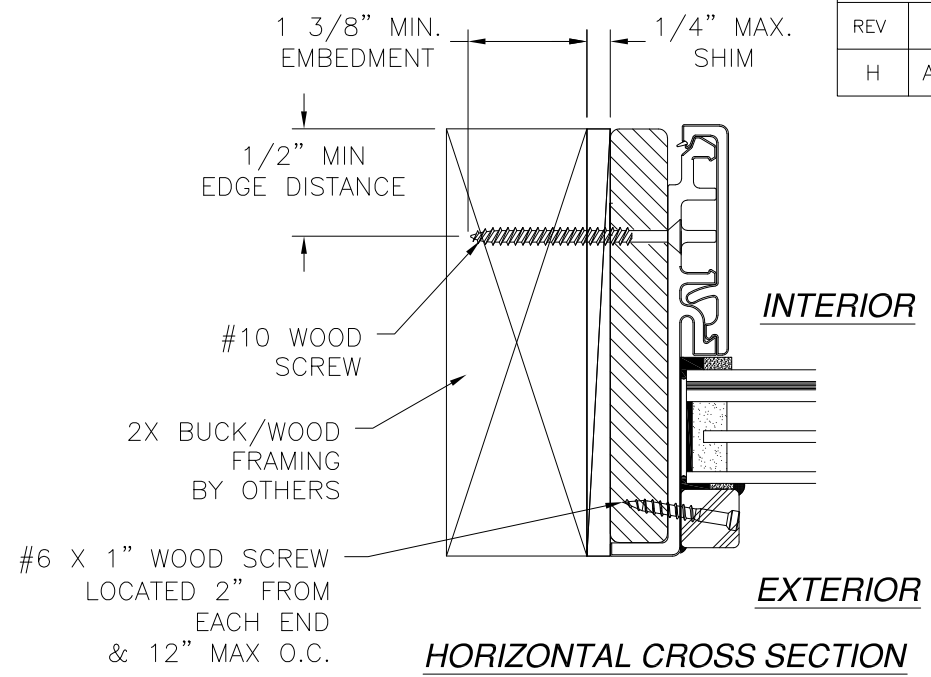


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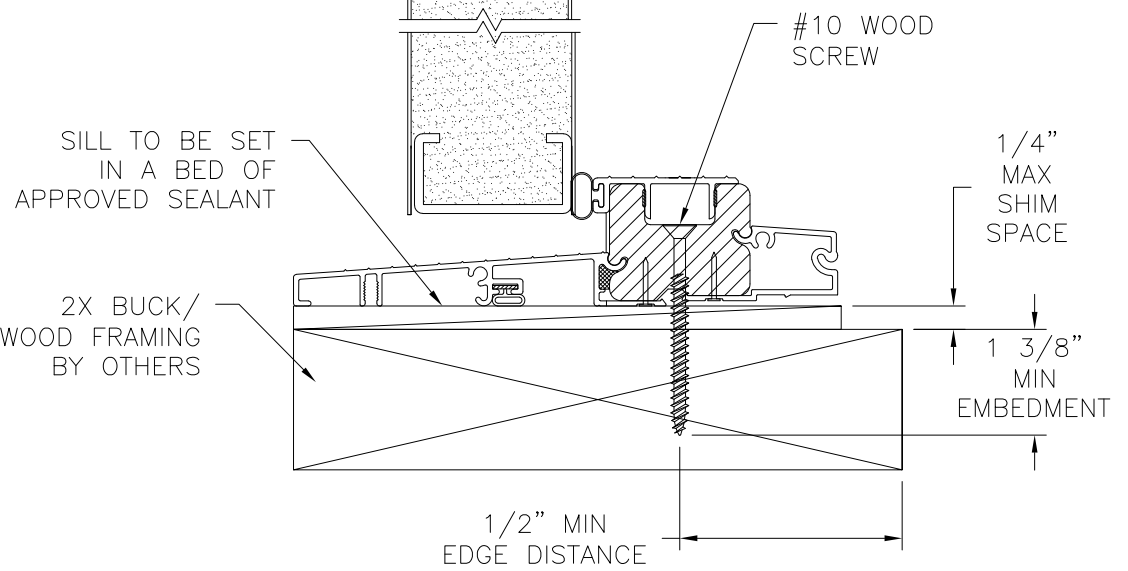
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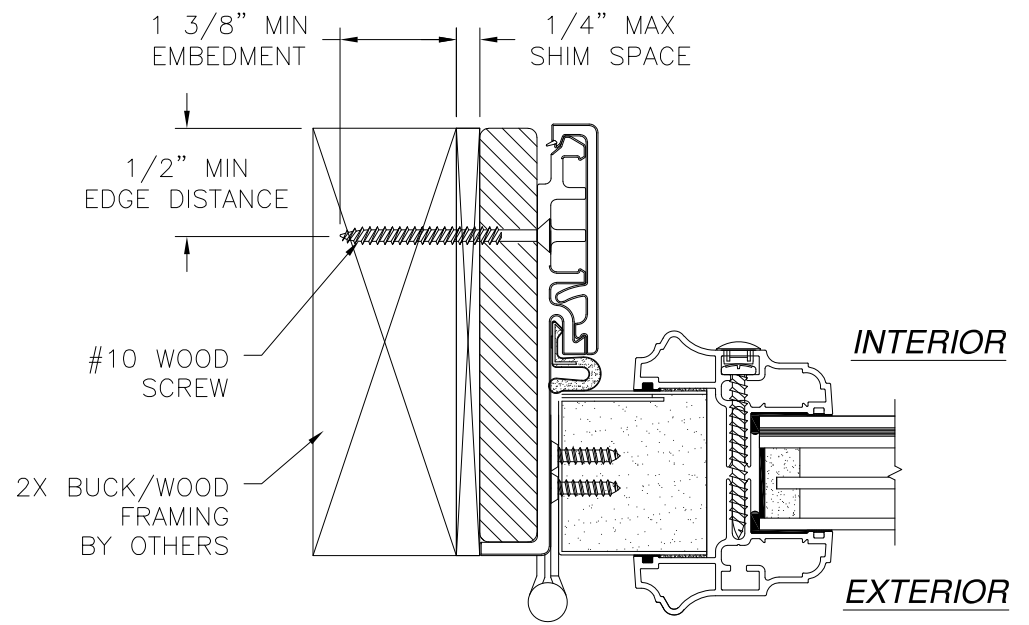
EXTERIOR **INTERIOR**



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 **SIGNED: 09/07/2021**

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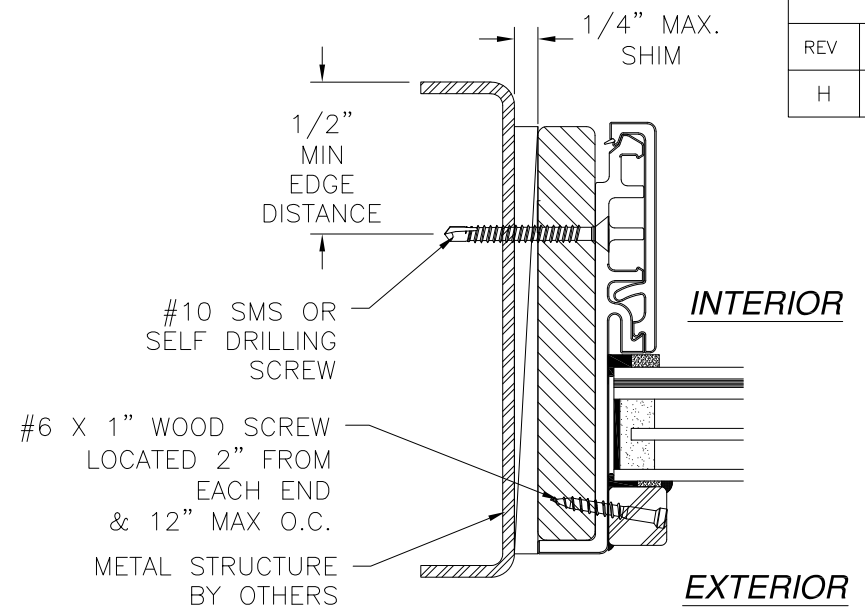
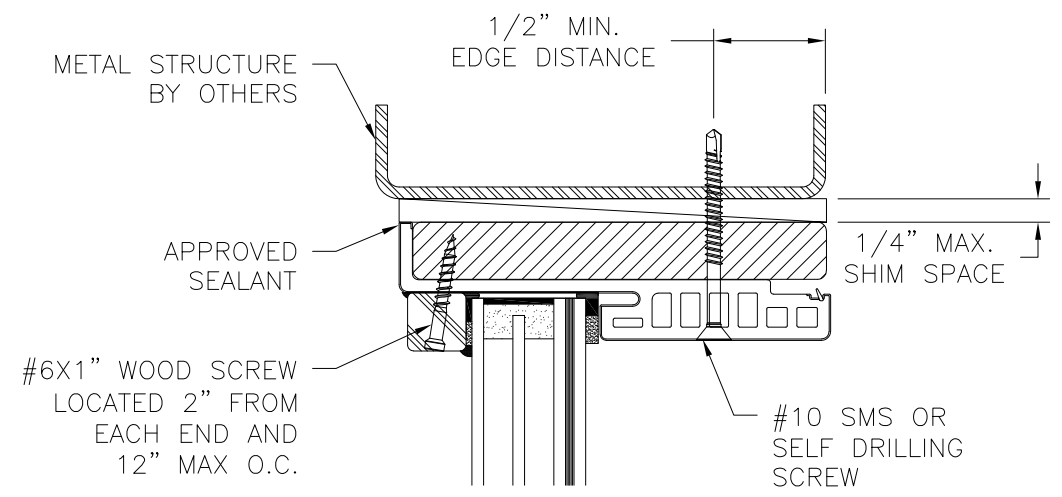
STEEL OUTSWING GLAZED SINGLE DOOR
W/TRANSOM - IMPACT
INSTALLATION DETAILS W/FUSION FRAME

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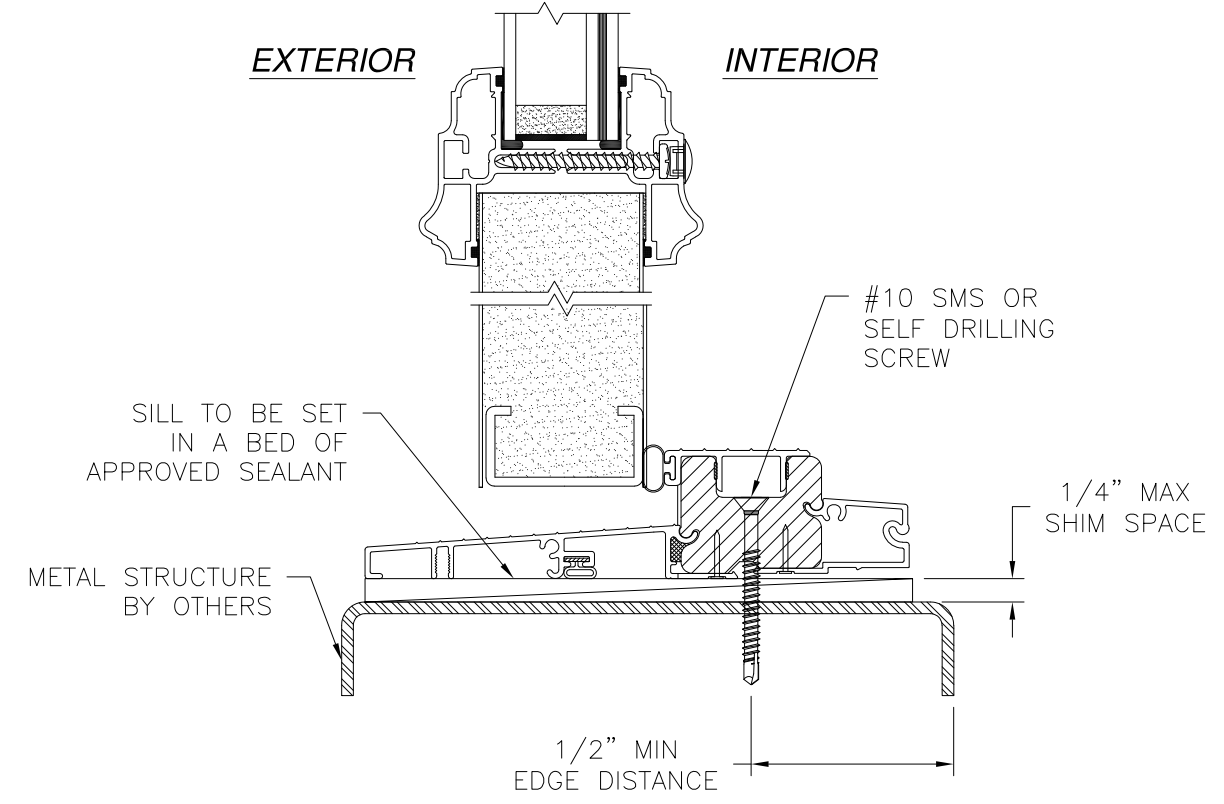
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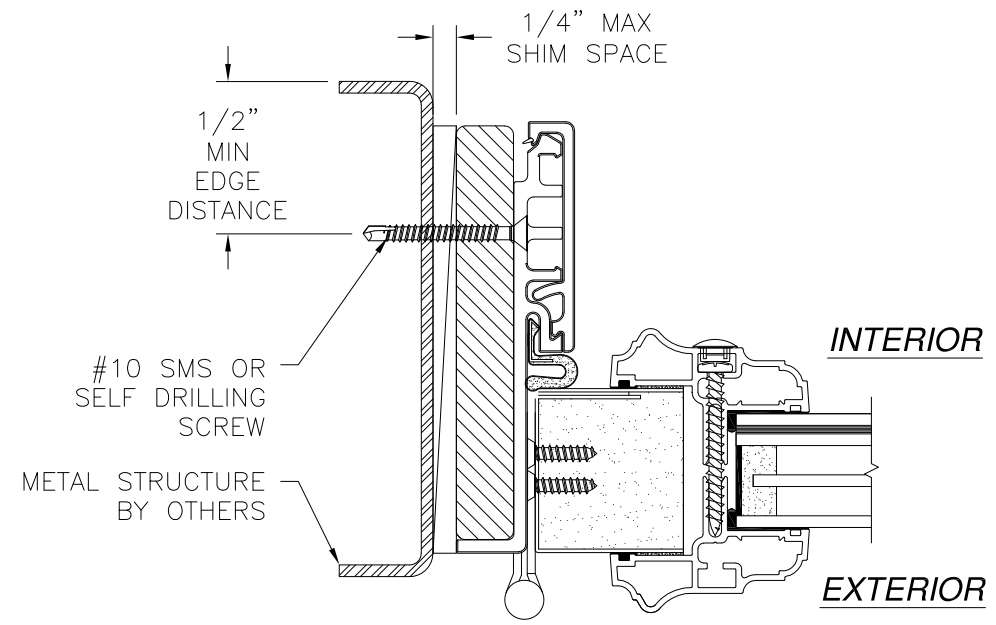


HORIZONTAL CROSS SECTION
TRANSOM INSTALLATION METAL STRUCTURE

EXTERIOR INTERIOR



VERTICAL CROSS SECTION
DOOR AND TRANSOM INSTALLATION - METAL STRUCTURE



HORIZONTAL CROSS SECTION
DOOR INSTALLATION - METAL STRUCTURE

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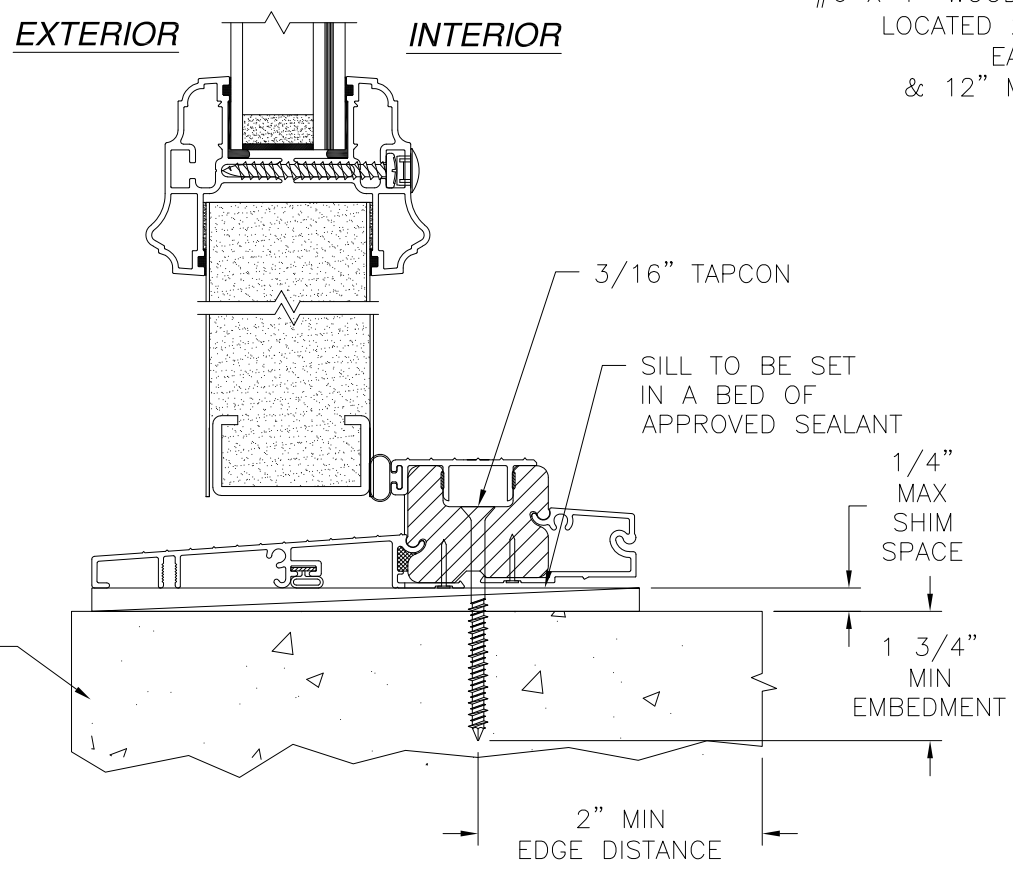
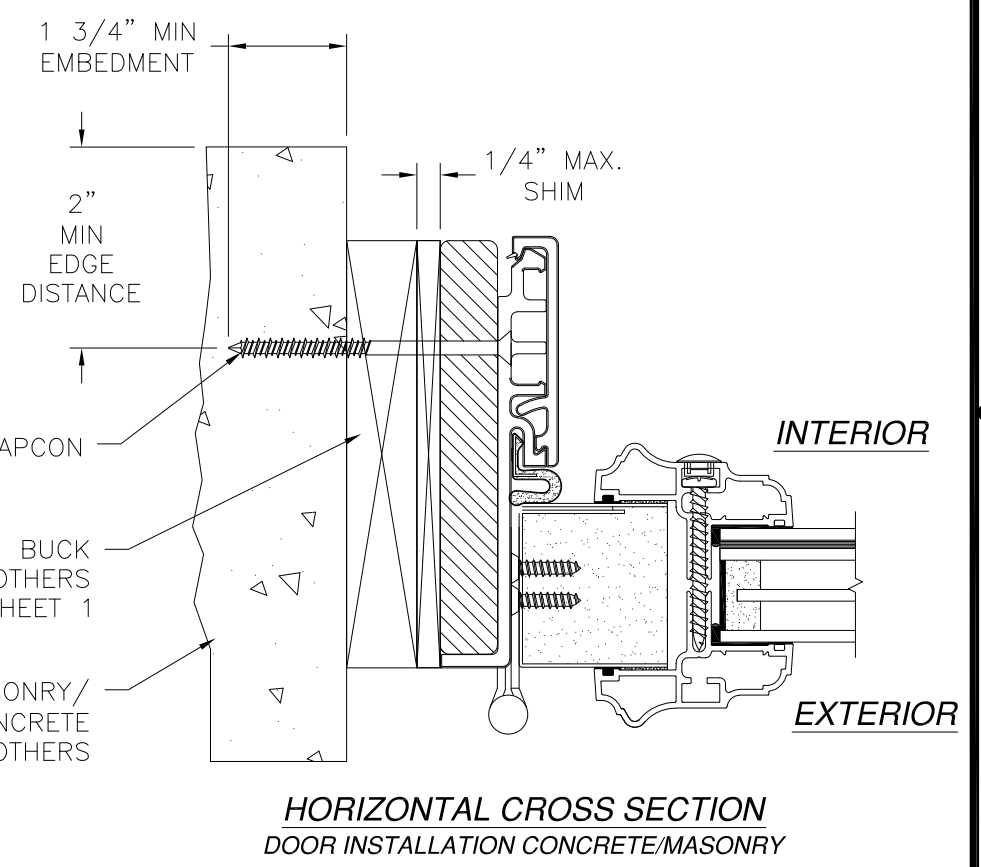
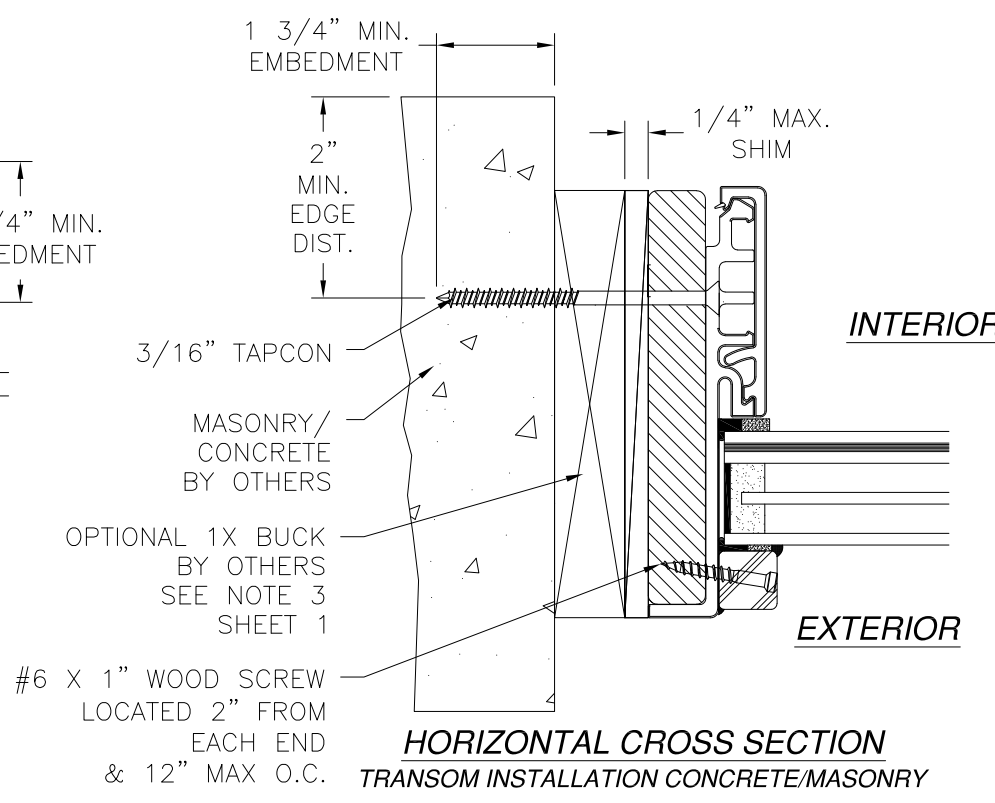
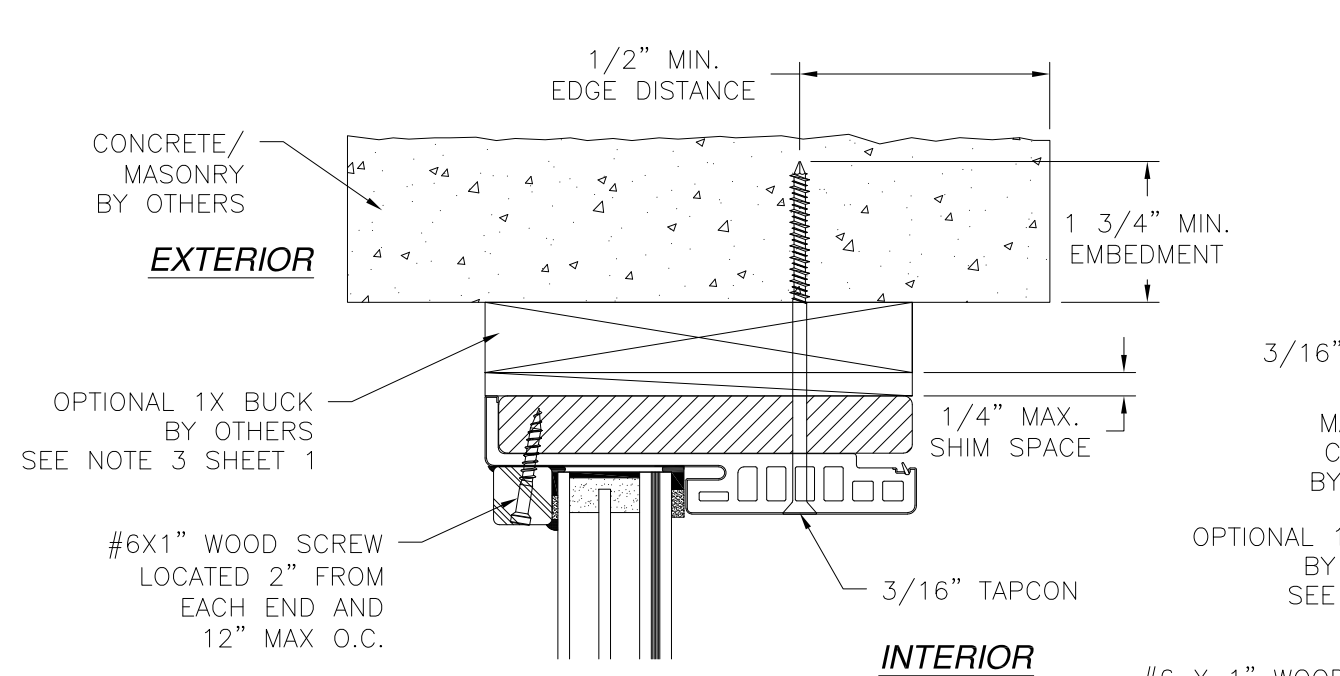
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Professional Engineer Seal for Luis R. Lomas, No. 62514, State of Florida.

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VERTICAL CROSS SECTION
DOOR AND TRANSOM INSTALLATION
MASONRY/CONCRETE

HORIZONTAL CROSS SECTION
TRANSOM INSTALLATION CONCRETE/MASONRY

HORIZONTAL CROSS SECTION
DOOR INSTALLATION CONCRETE/MASONRY

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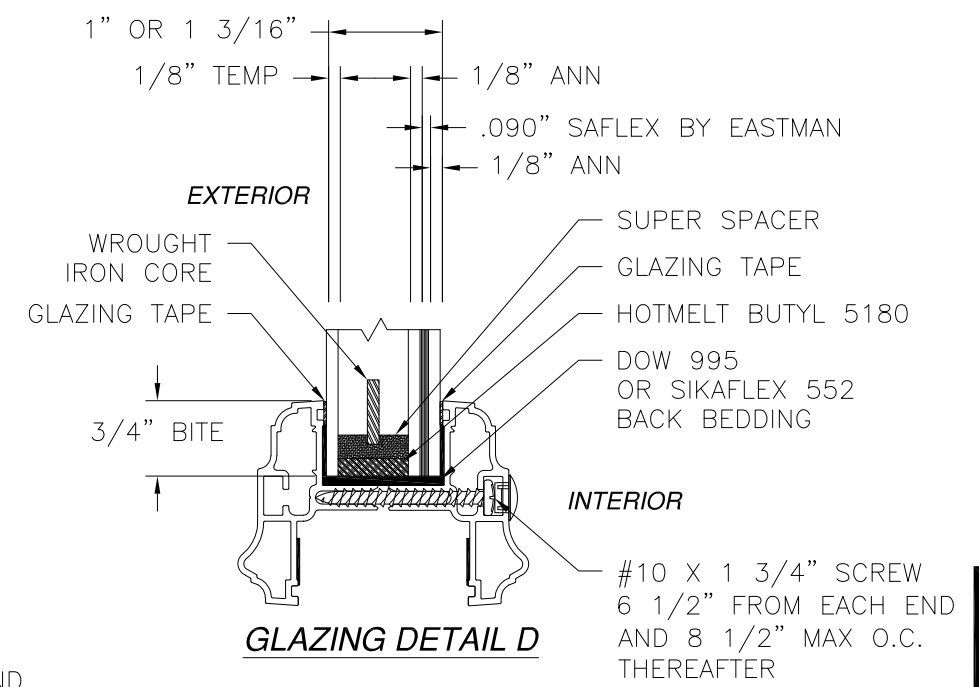
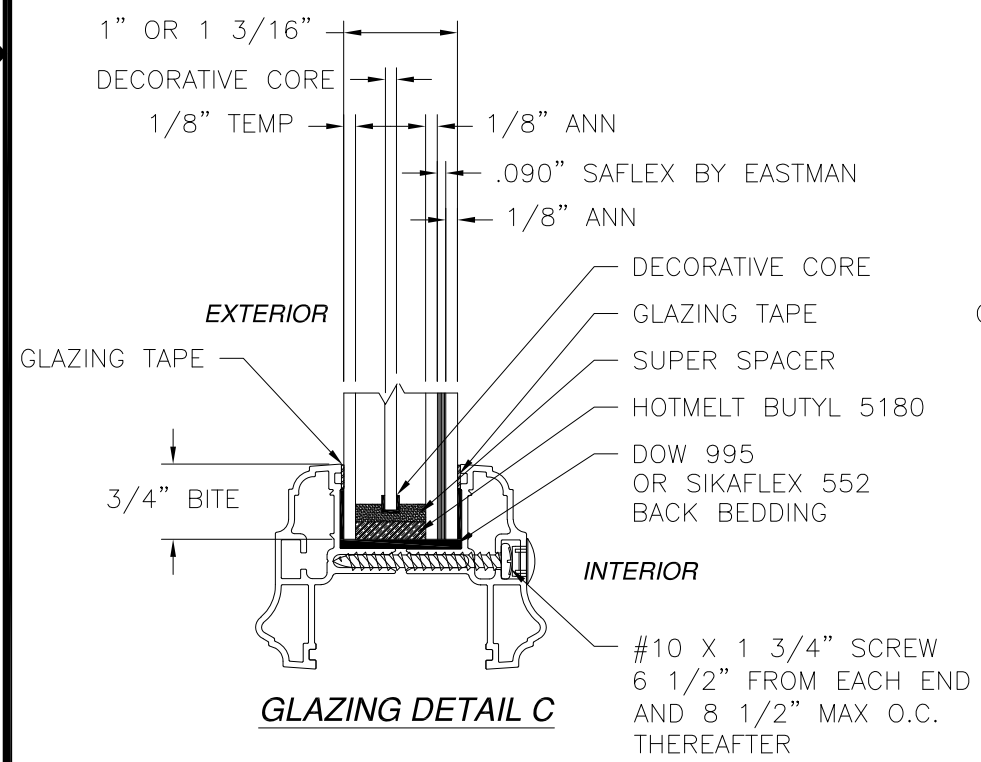
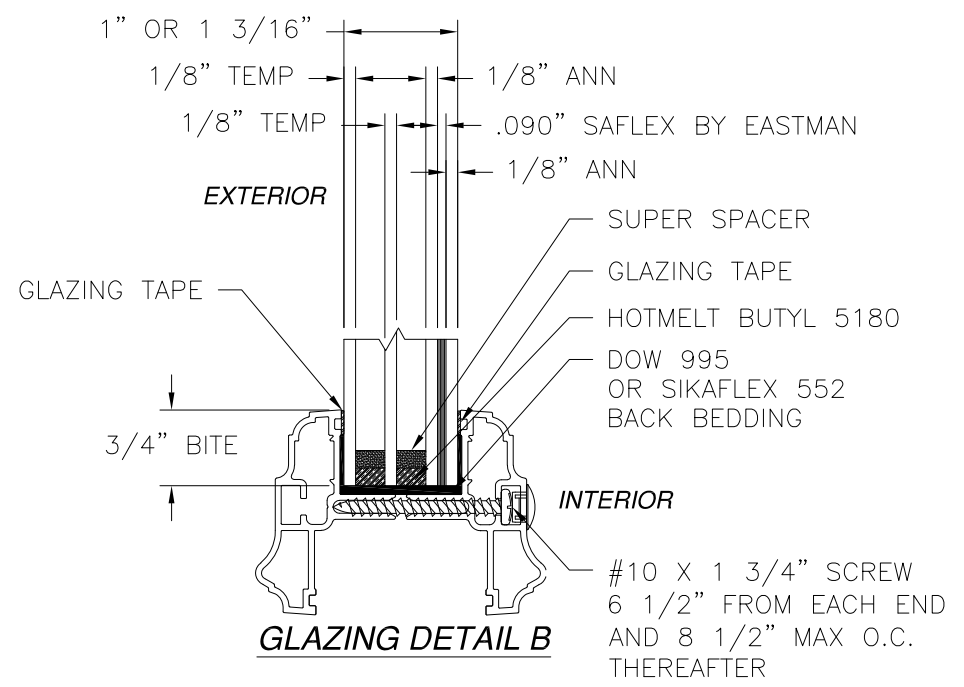
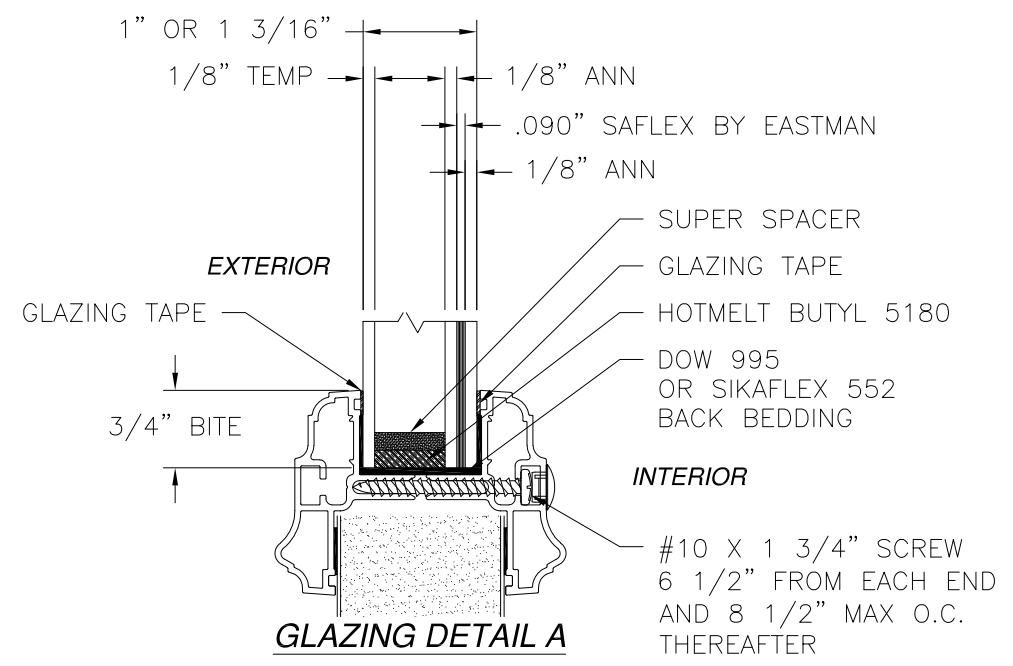
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W/TRANSOM - IMPACT
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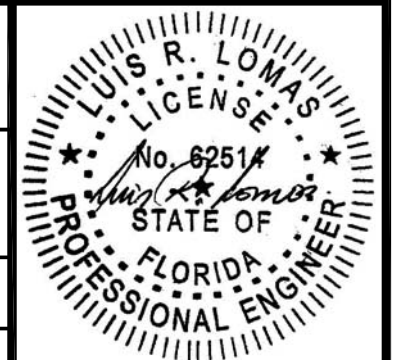
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**STEEL OUTSWING GLAZED SINGLE DOOR
W/TRANSOM - IMPACT
GLAZING DETAILS**

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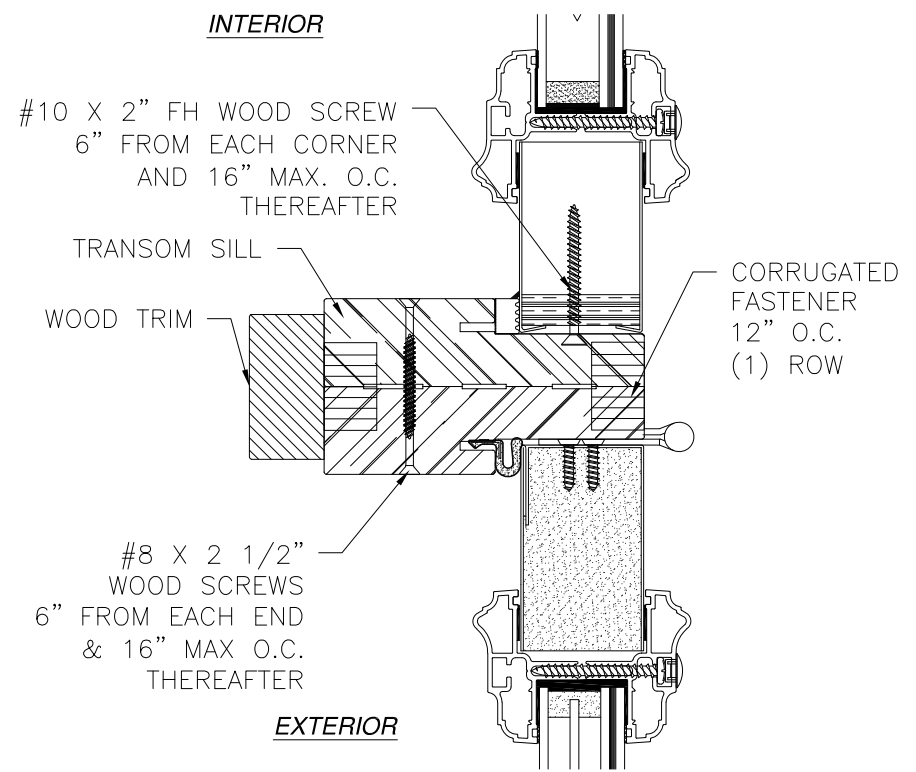
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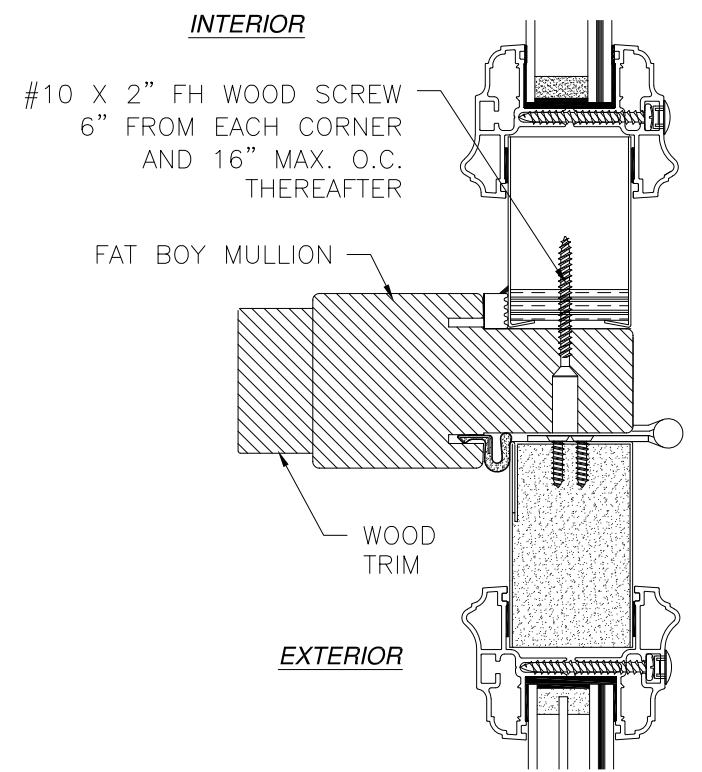


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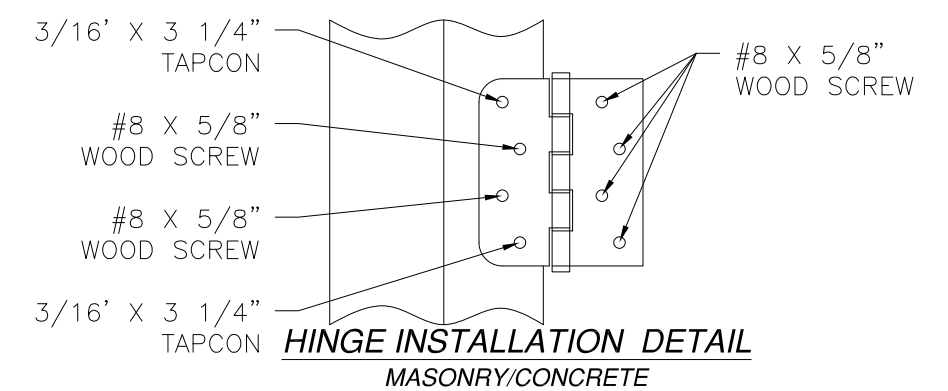
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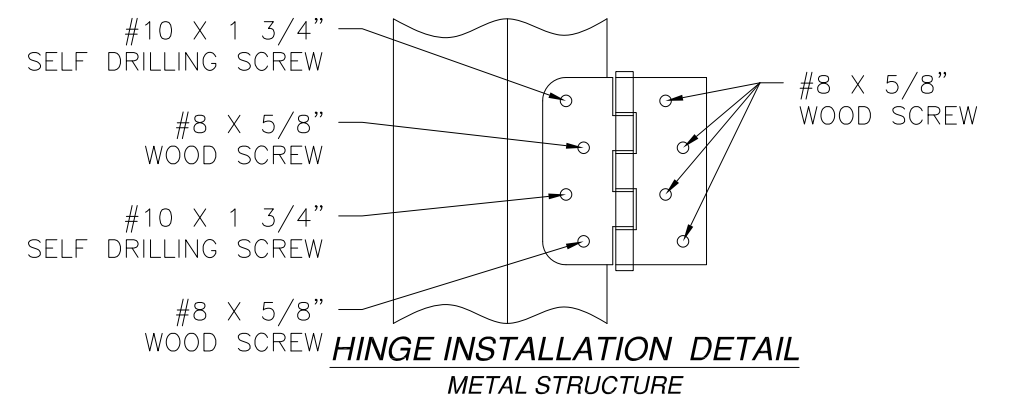
MULLION DETAIL
STANDARD FRAME SHOWN,
COMPOSITE AND FUSION FRAME SIMILAR



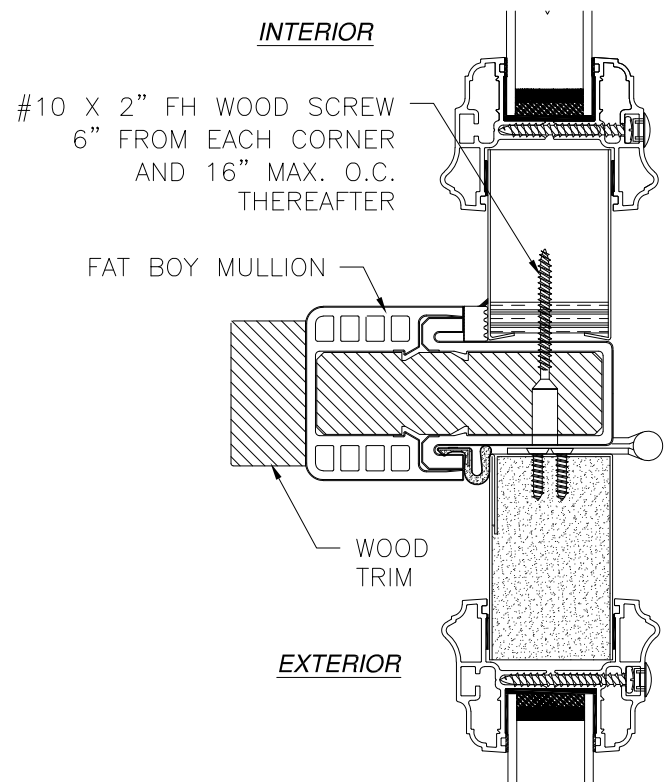
MULLION DETAIL
WITH FAT BOY MULLION



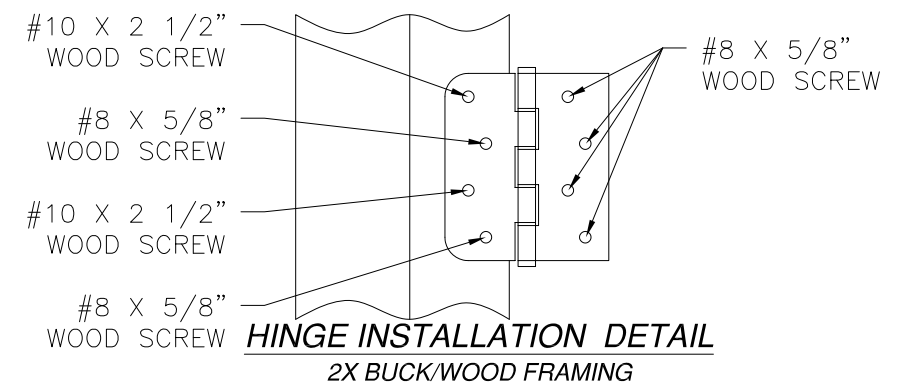
HINGE INSTALLATION DETAIL
MASONRY/CONCRETE



HINGE INSTALLATION DETAIL
METAL STRUCTURE



MULLION DETAIL
WITH HYBRID FAT BOY MULLION



HINGE INSTALLATION DETAIL
2X BUCK/WOOD FRAMING

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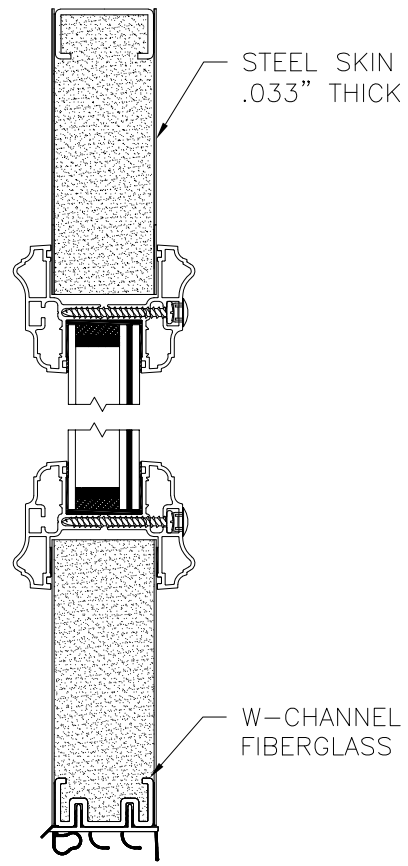
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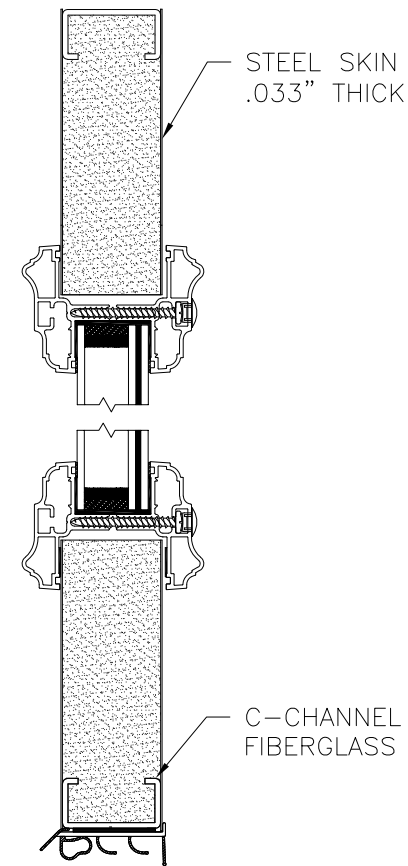
Luis R. Lomas P.E.
FL No.: 62514

APPROVED SLABS AND TRIMS

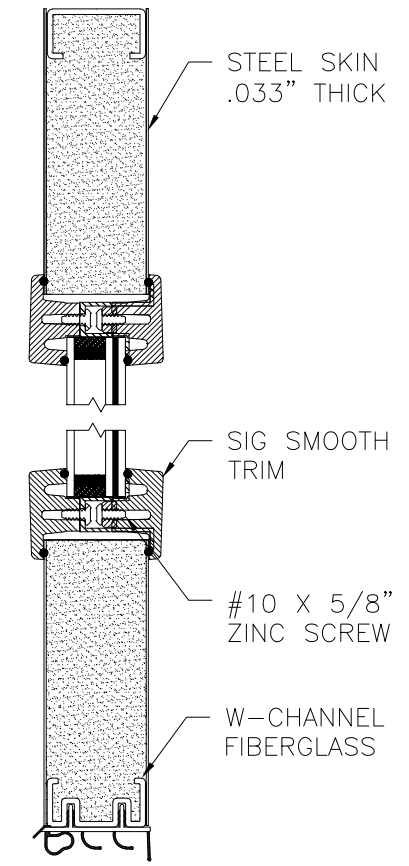
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REV	DESCRIPTION	DATE	APPROVED
H	ADDED MULTILITE PANELS & TRIMS	08/17/2021	R.L.



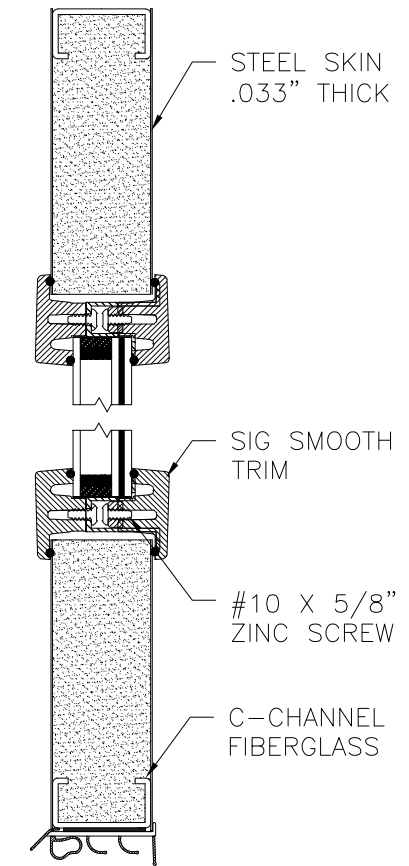
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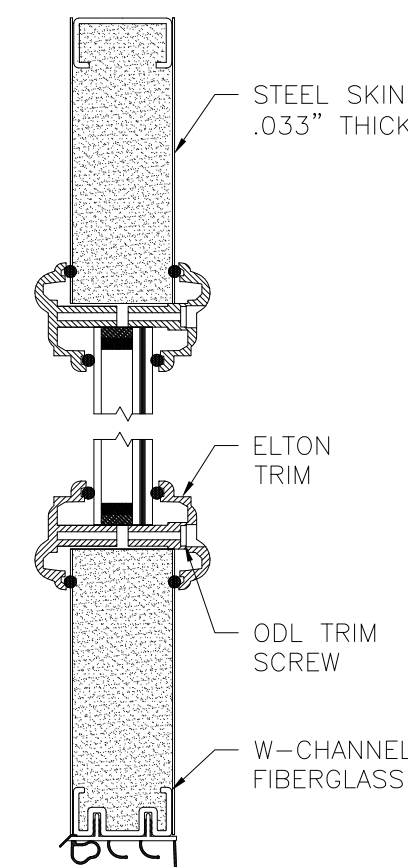
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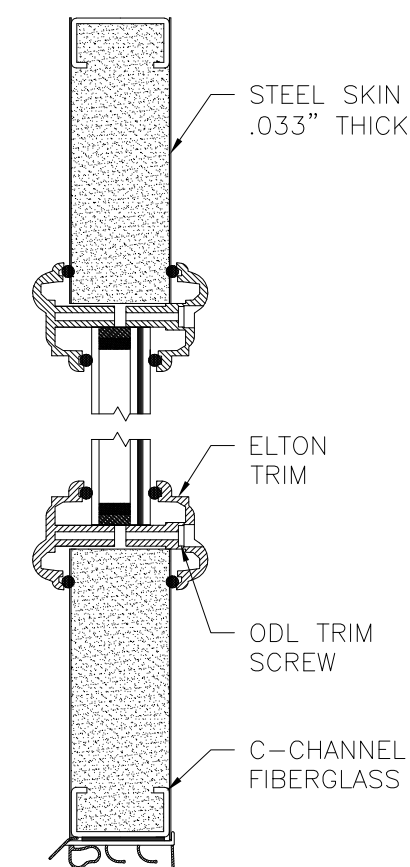
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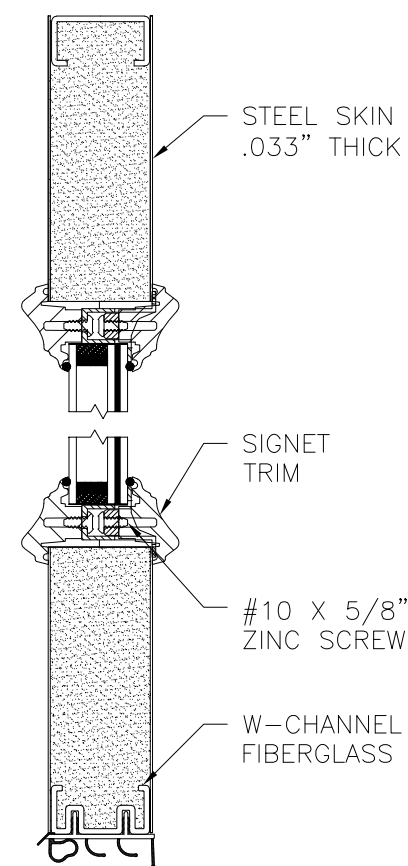
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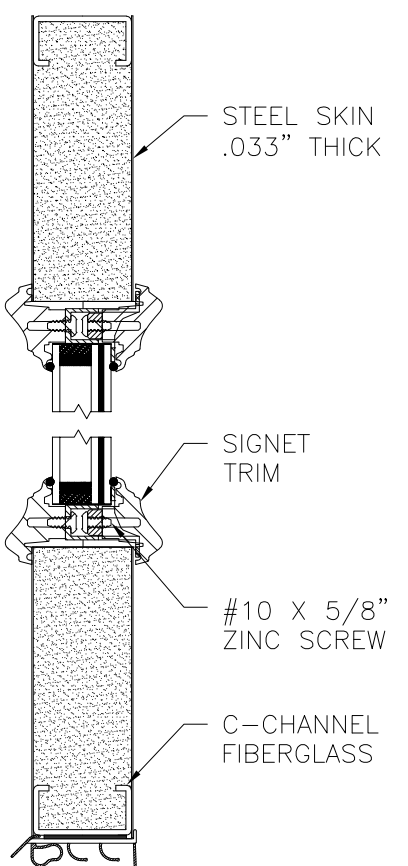
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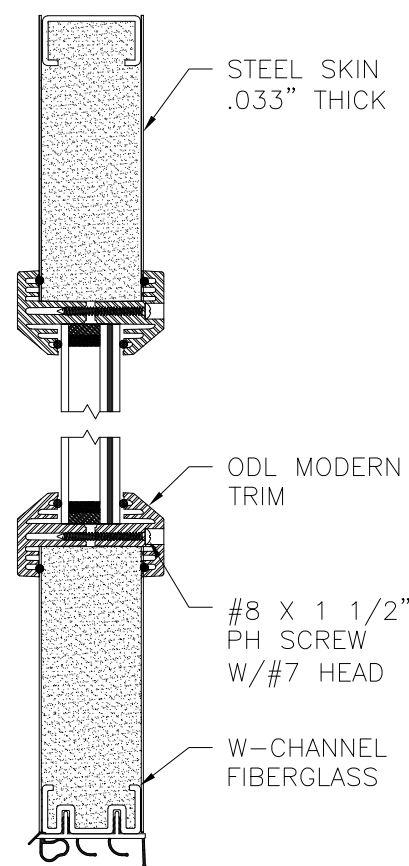
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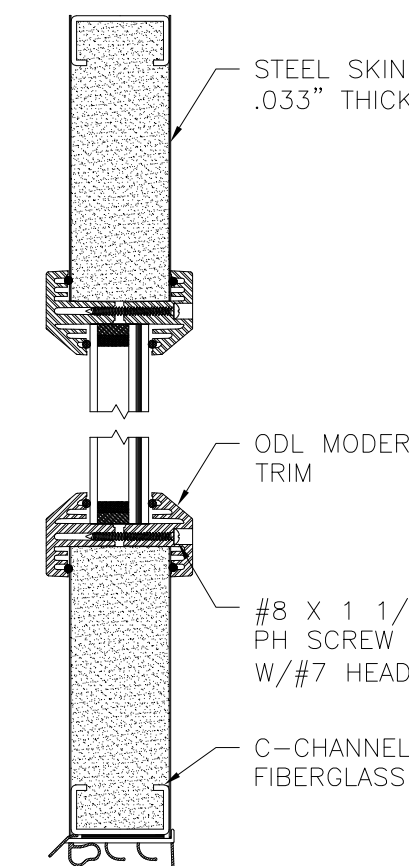
PANEL OPTION 5



PANEL OPTION 6



PANEL OPTION 7



PANEL OPTION 8

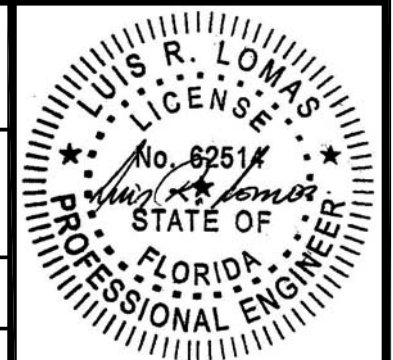
PROVIA, LLC.
 2150 STATE ROUTE 39 WEST
 SUGARCREEK, OH 44681

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

DRAWN: J.L.	DWG NO. 08-02020	REV H
SCALE NTS	DATE 05/10/13	SHEET 11 OF 12

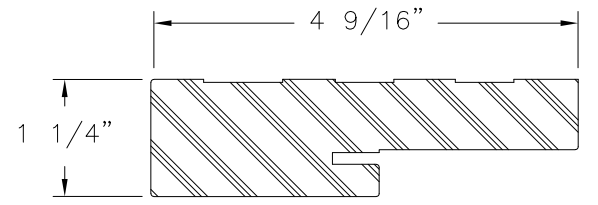
L. ROBERTO LOMAS P.E.
 1432 WOODFORD RD LEWISVILLE, NC 27023
 434-688-0609 rllomas@rlomaspe.com

SIGNED: 09/07/2021

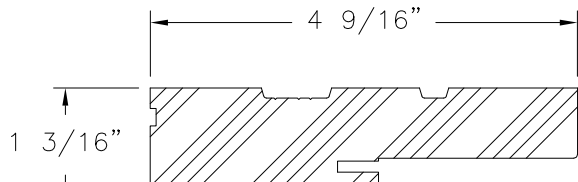


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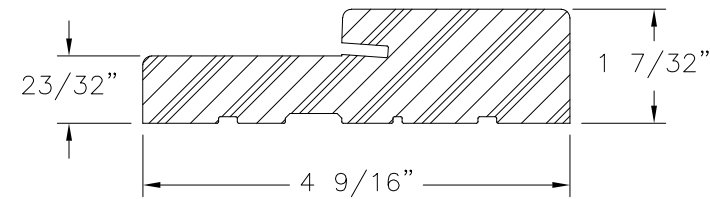
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H	ADDED MULTILITE PANELS & TRIMS	08/17/2021	R.L.



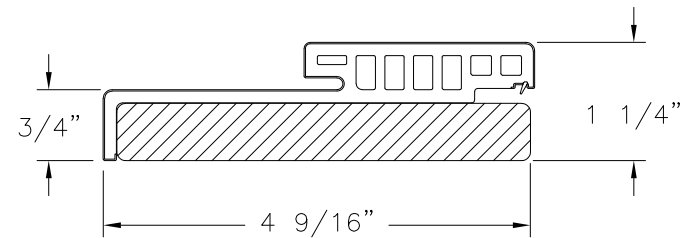
COMPOSITE FRAME PROFILE



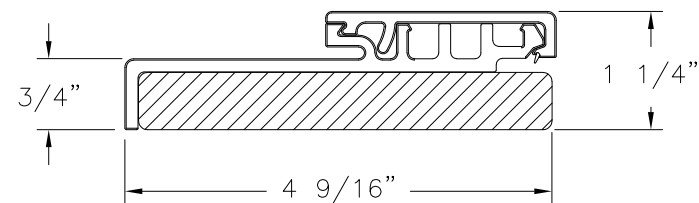
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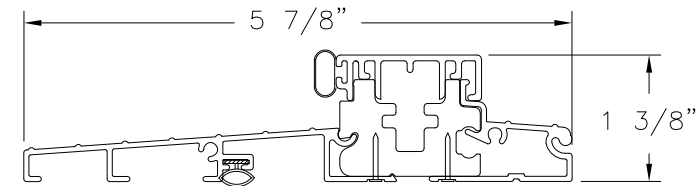
**FRAMESAVER
COMPOSITE**



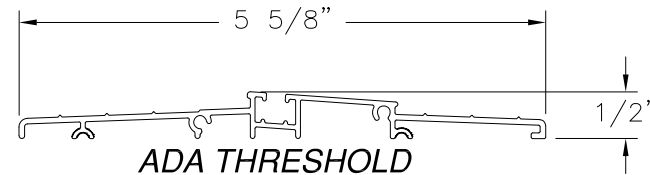
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WOOD/COMPOSITE**



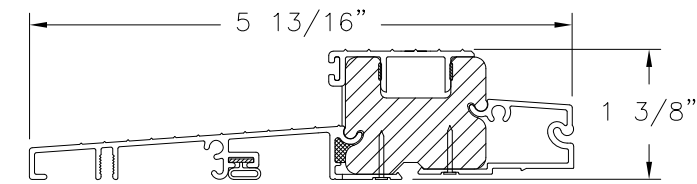
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WOOD/COMPOSITE**



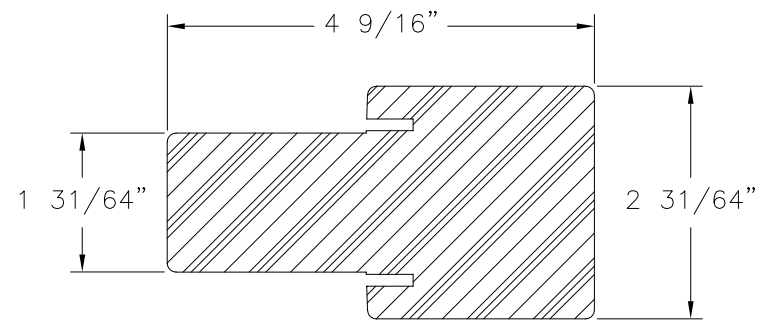
STANDARD OUTSWING THRESHOLD



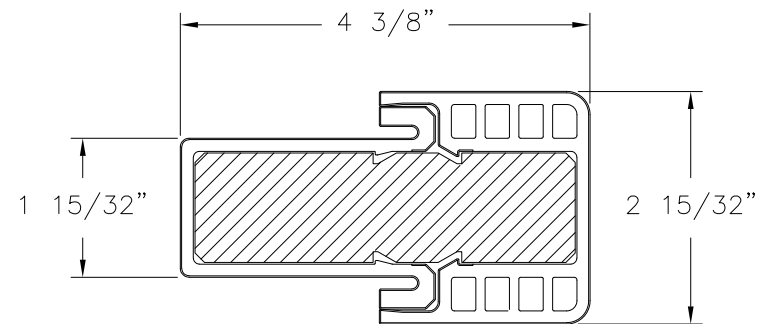
ADA THRESHOLD



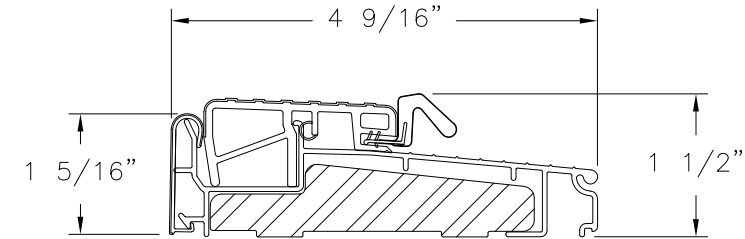
SAHARA OUTSWING THRESHOLD



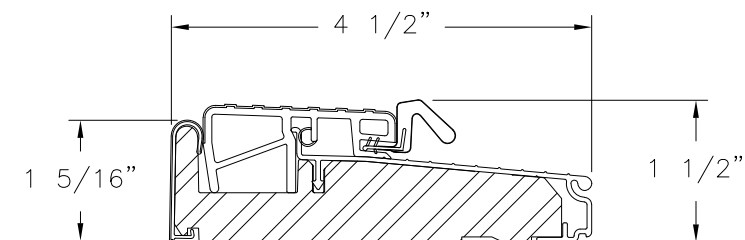
**FAT BOY MULLION
COMPOSITE**



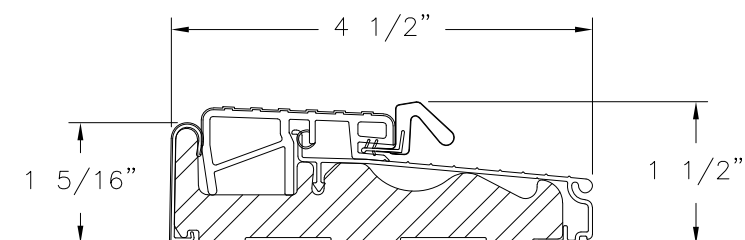
**HYBRID FAT BOY MULLION
COMPOSITE**



OUTSWING SILL ZOBL4565



OUTSWING SILL ZOB4565F



OUTSWING SILL ZOBLH4565

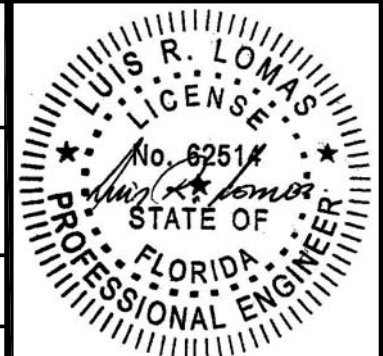
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STEEL OUTSWING GLAZED SINGLE DOOR
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DRAWN: J.L.	DWG NO. 08-02020	REV H
SCALE NTS	DATE 05/10/13	SHEET 12 OF 12

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