

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
I	ADDED FIR TRIM TO APPROVED TRIMS	08/30/2021	R.L.

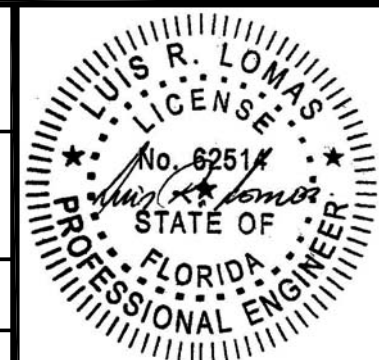
NOTES:

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 $C_d=1.6$ 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).
SIDELITE SKIN MATERIAL: STEEL .022" THICK (MINIMUM)
6. SIDELITES AND TRANSOM MUST BE GLAZED PER ASTM E1300, 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 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 – 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
14. DOOR CONSTRUCTION MAYBE CONTINUOUS HEAD FRAME AND CONTINUOUS THRESHOLD OR BOX CONSTRUCTION.

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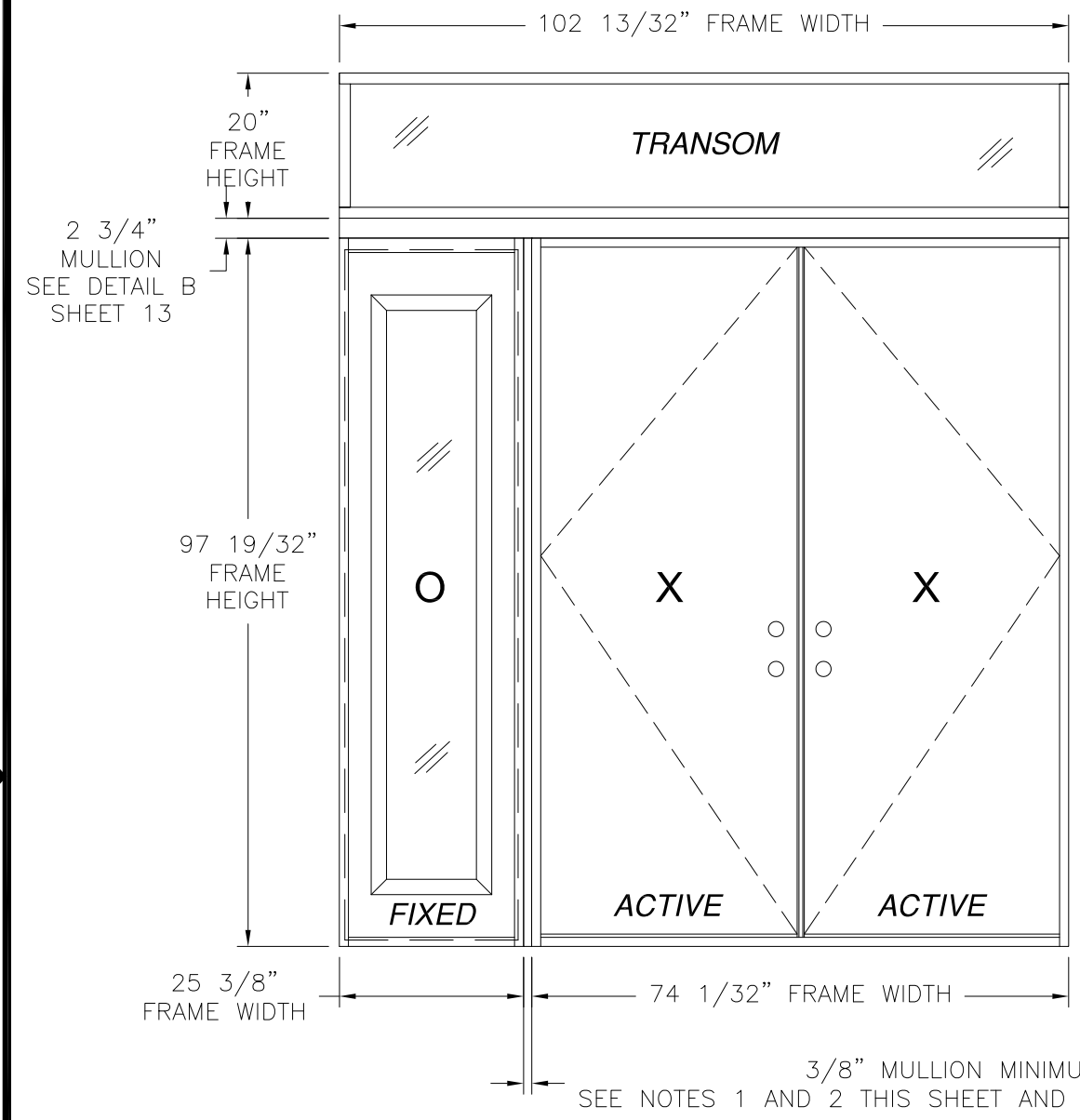
PROVIA, LLC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
STEEL/FIBERGLASS INSWING OPAQUE DOUBLE DOOR W/SIDELITES & TRANSOM NON-IMPACT NOTES		
DRAWN: V.L.	DWG NO. 08-02081	REV I
SCALE NTS	DATE 06/19/13	SHEET 1 OF 16
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@lrlomaspe.com		

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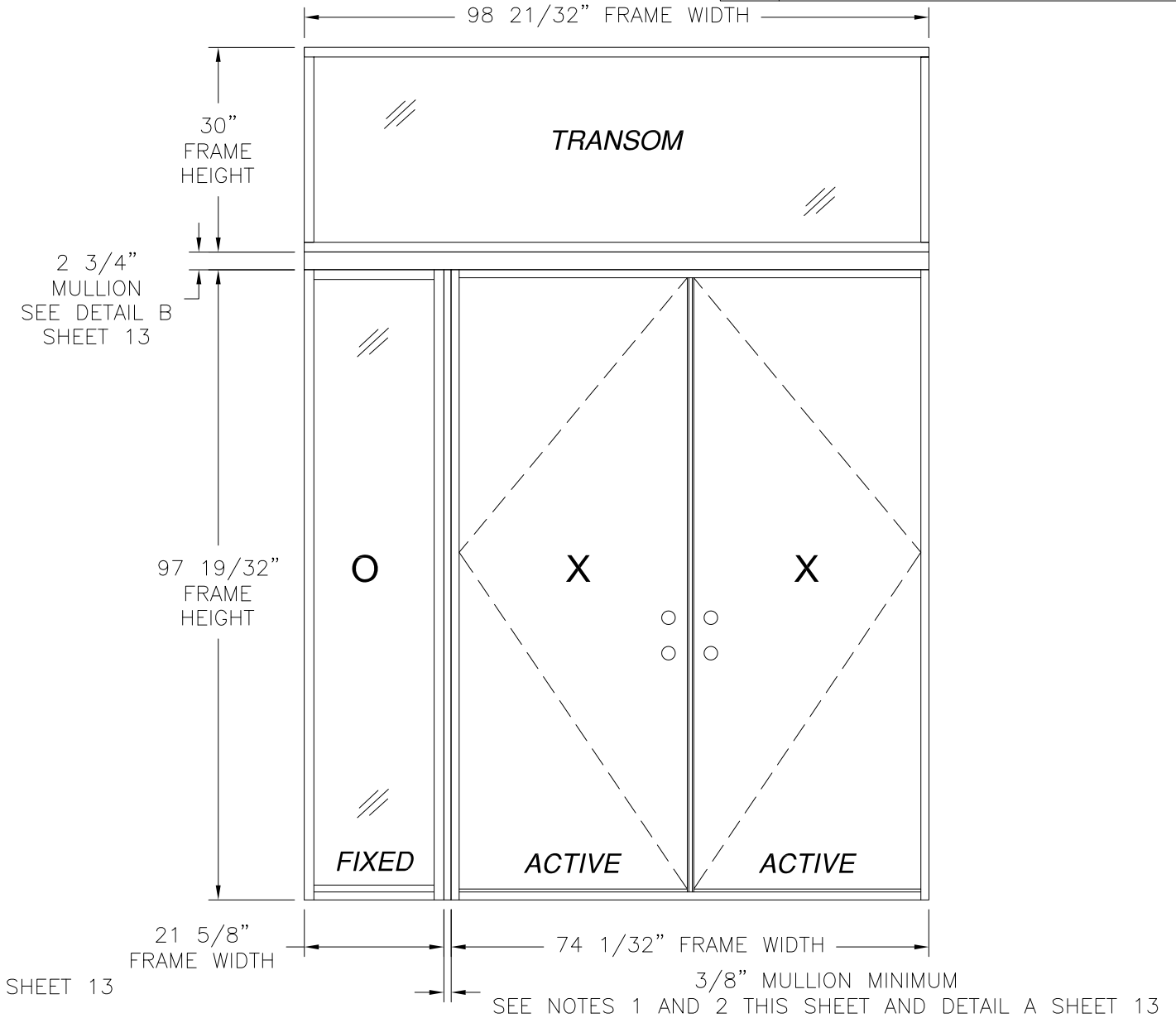


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DOUBLE W/ STD SIDELITE AND TRANSOM
EXTERIOR VIEW
OXX SHOWN XXO ALSO APPROVED



DOUBLE W/ DIRECT SET SIDELITE AND TRANSOM
EXTERIOR VIEW
OXX SHOWN XXO ALSO APPROVED

- D.L.O. NOTES:
1. STD. SIDELITE D.L.O.: 12 3/8" X 78 3/8"
 2. DIRECT SET SIDELITE D.L.O.: 18 5/8" X 93 3/4"
 3. TRANSOM D.L.O. WIDTH: 127 25/32"
 4. TRANSOM D.L.O. HEIGHT: 27"

- NOTES:
1. MAXIMUM ALLOWED BUILDUP TO BE 3" AT VERTICAL MULLION.
 2. IF SIDELITE WIDTH IS 16" OR LESS NO VERTICAL MULLION IS REQUIRED.

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 FT²

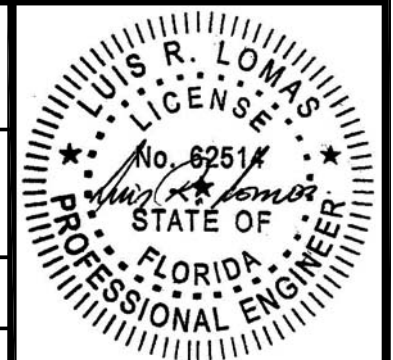
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STEEL/FIBERGLASS INSWING OPAQUE DOUBLE DOOR
W/SIDELITES & TRANSOM NON-IMPACT
ELEVATIONS

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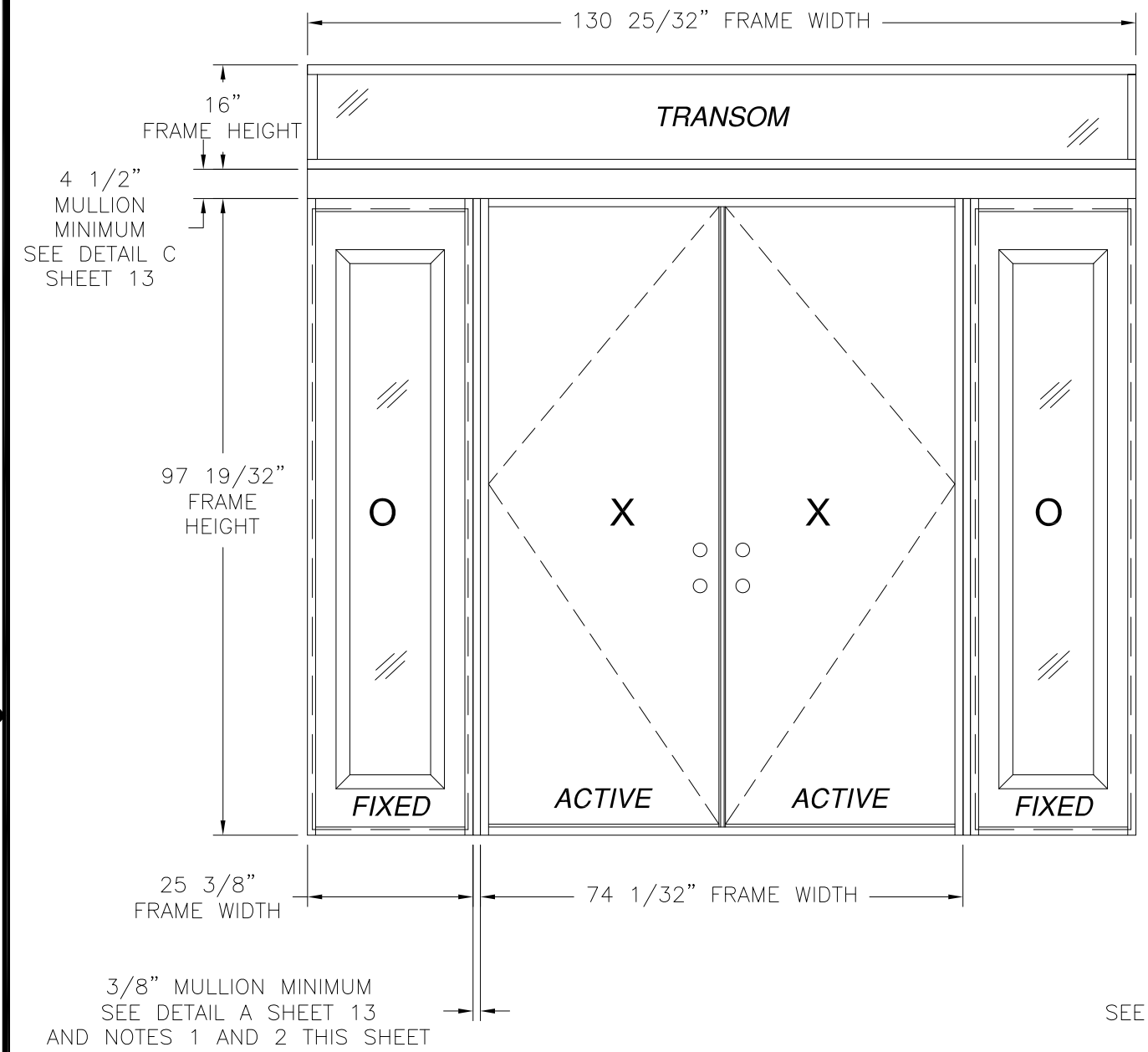
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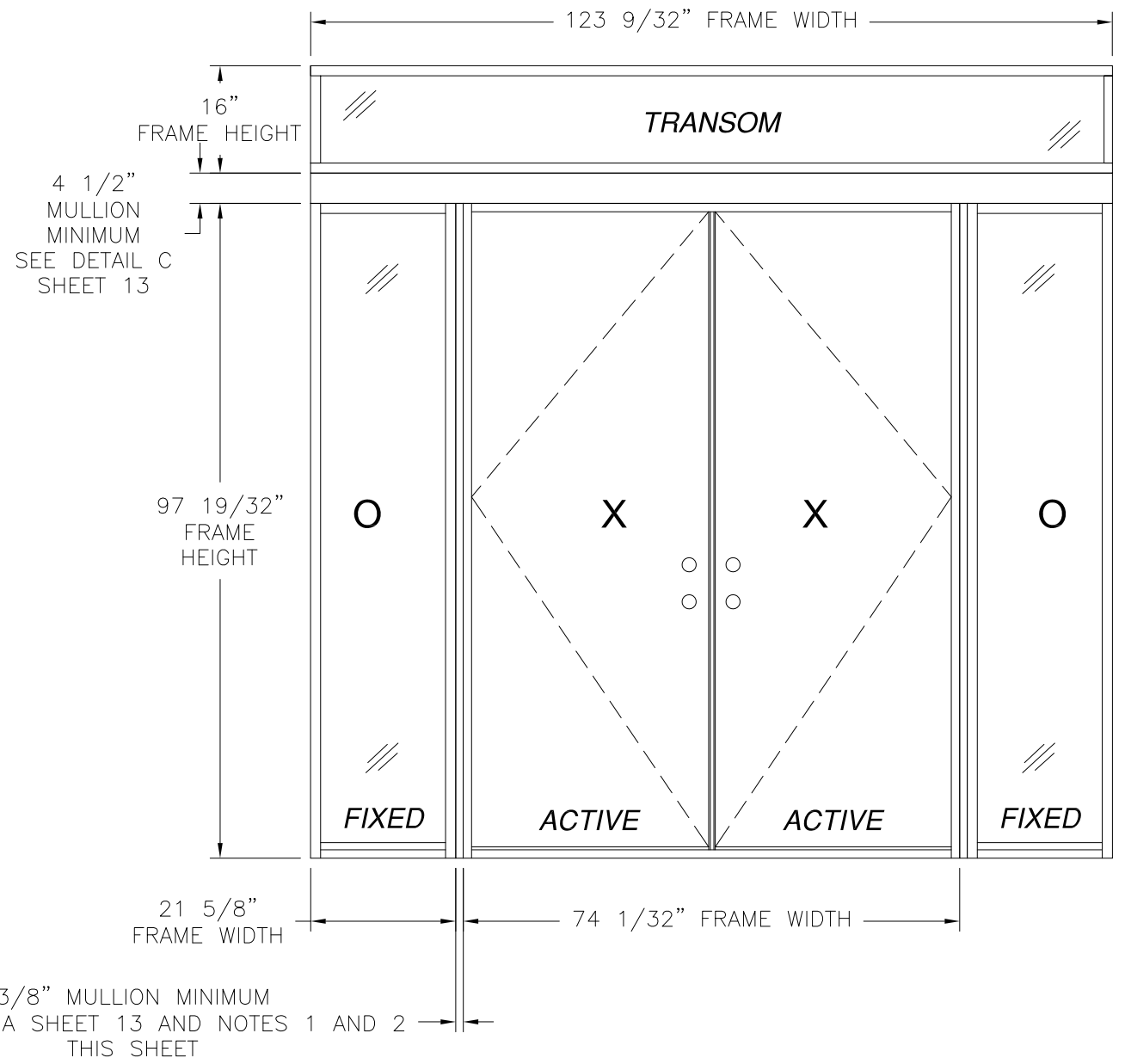


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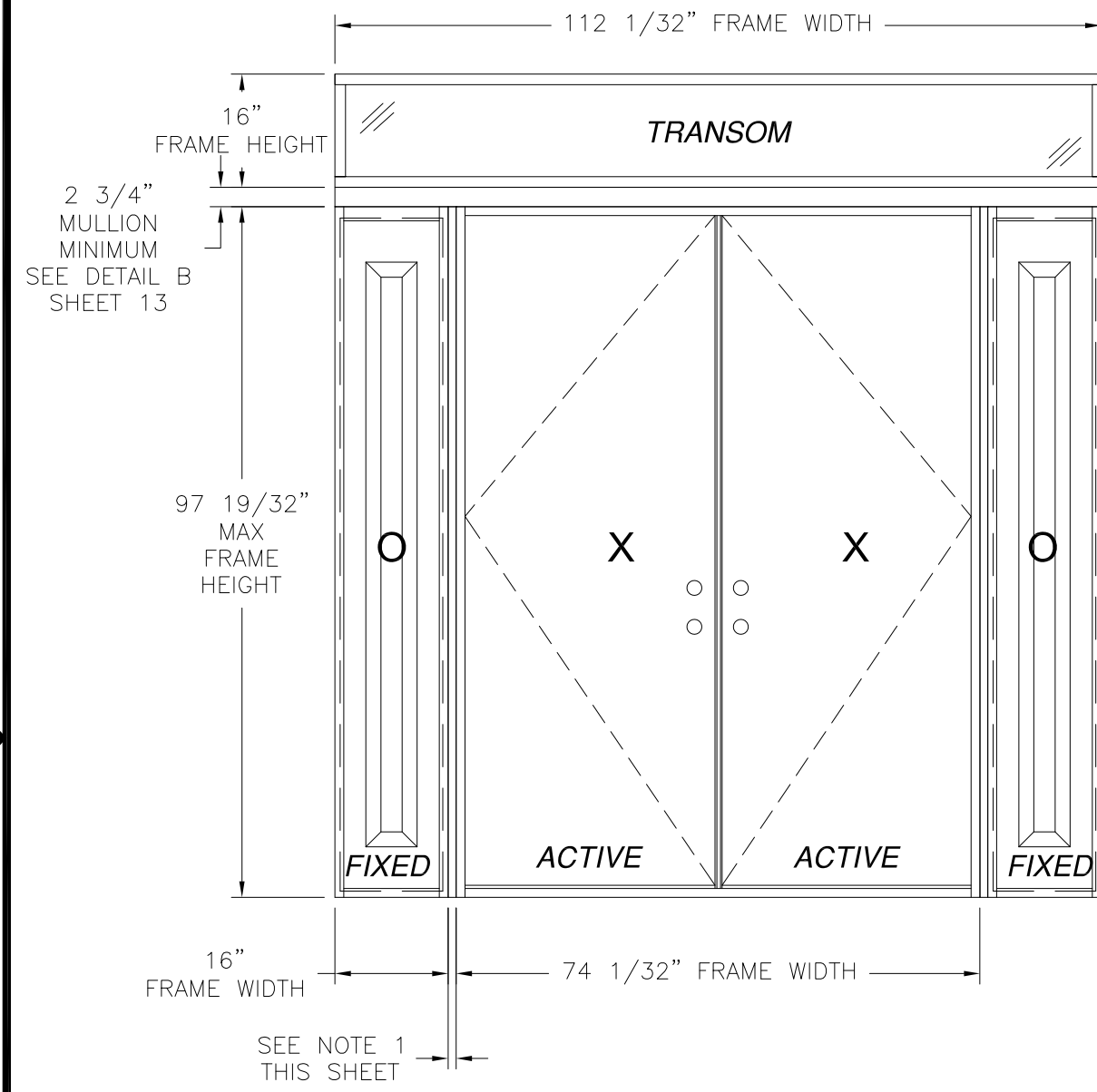
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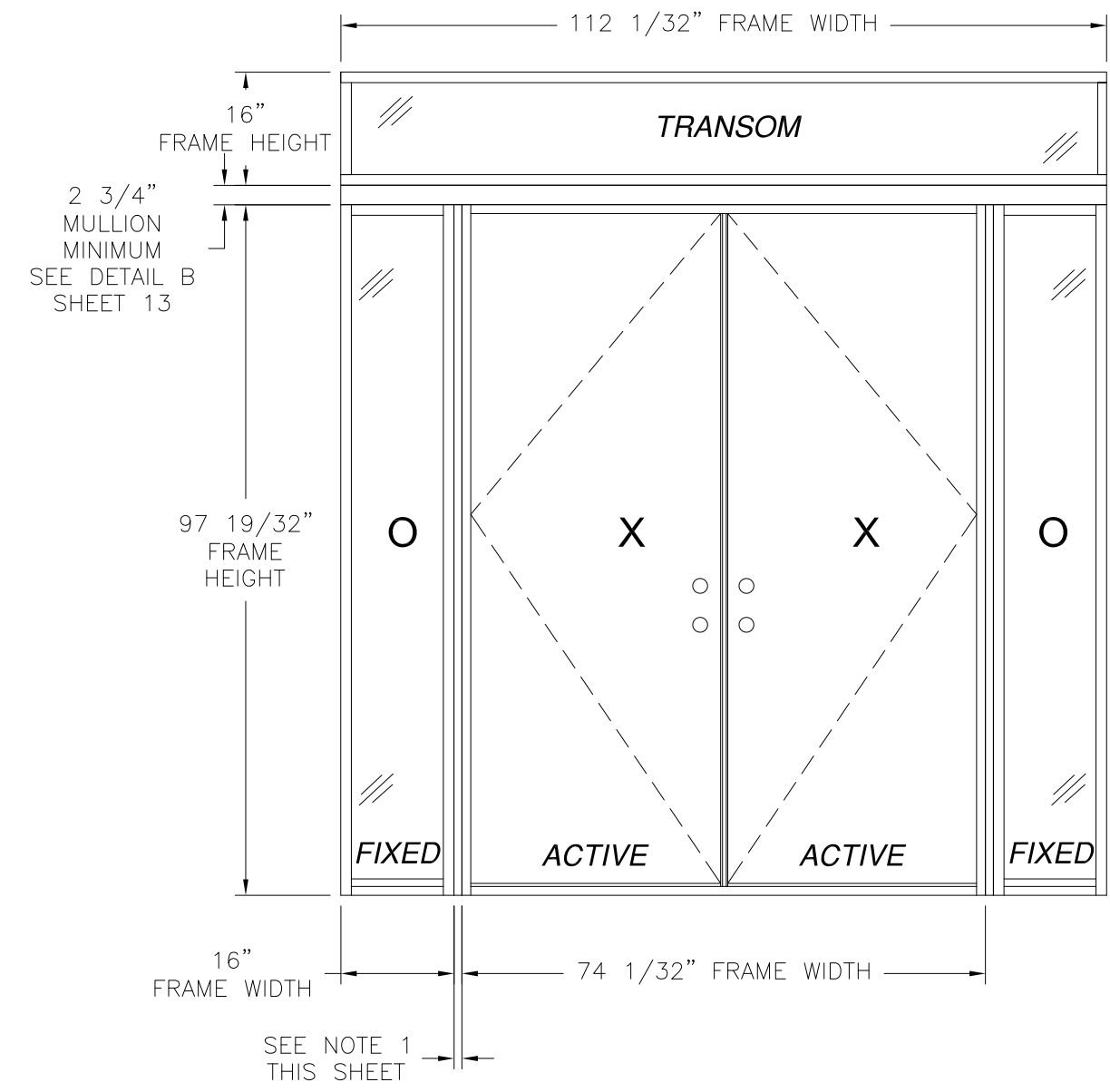
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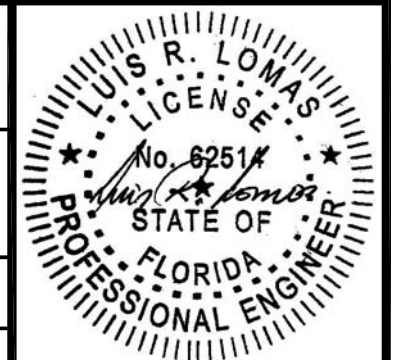
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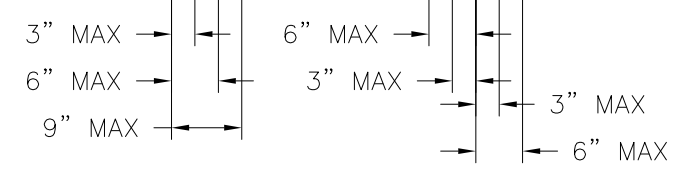
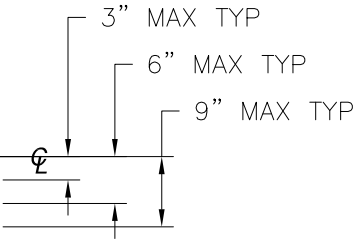
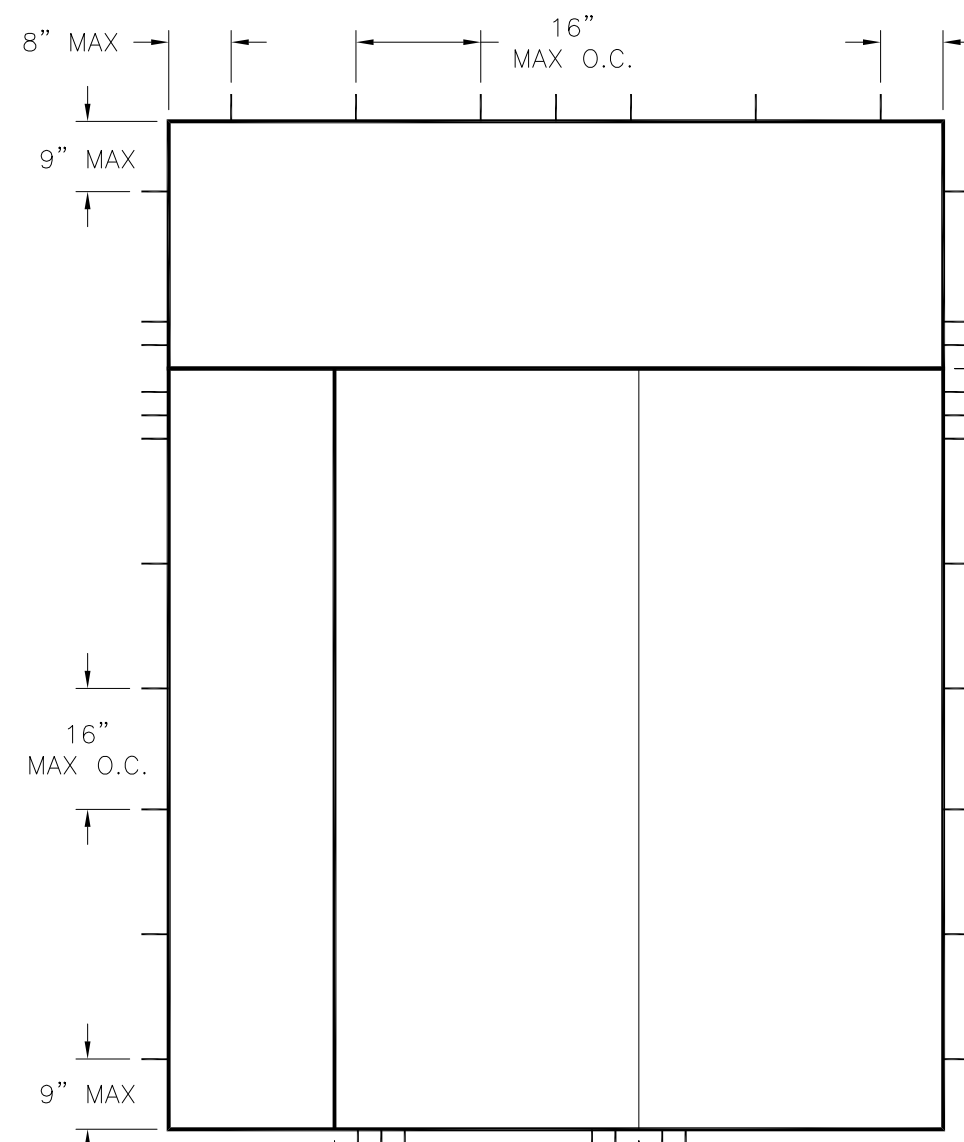
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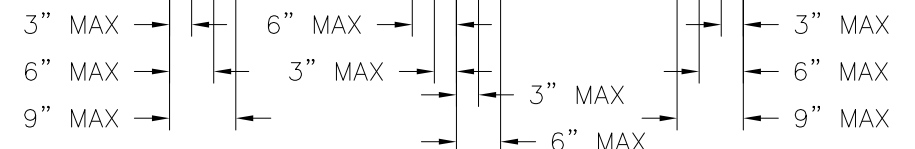
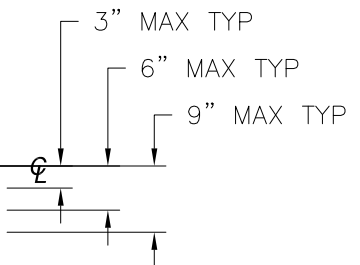
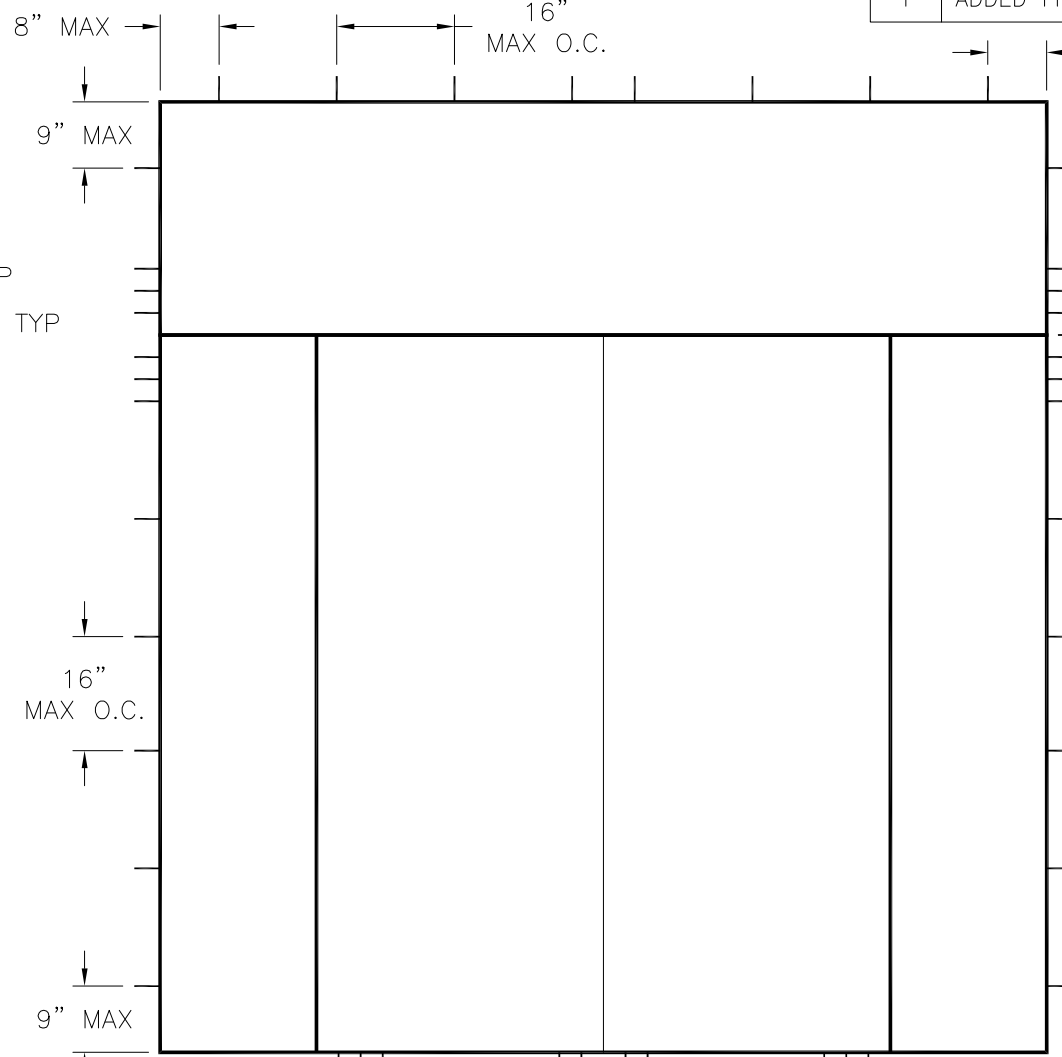


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DOUBLE W/SIDELITE AND TRANSOM
ANCHORING LAYOUT



DOUBLE W/SIDELITES AND TRANSOM
ANCHORING LAYOUT

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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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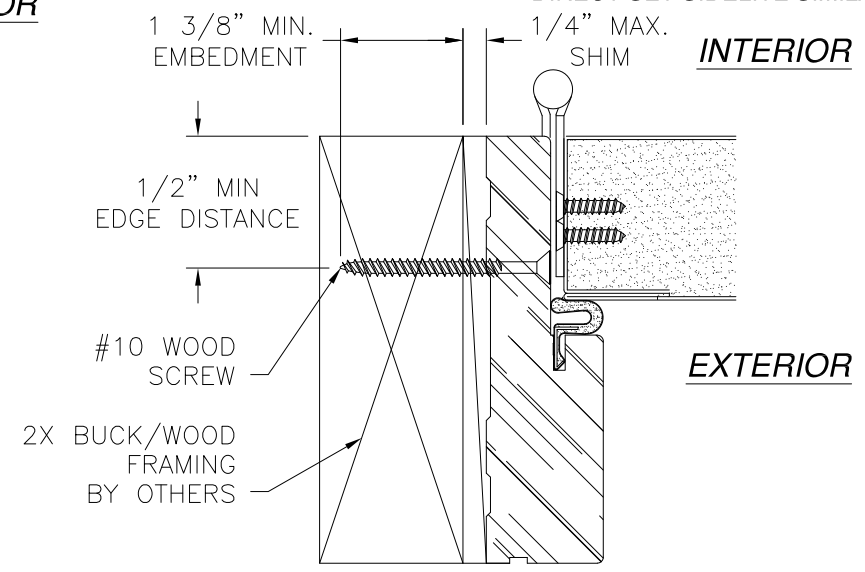
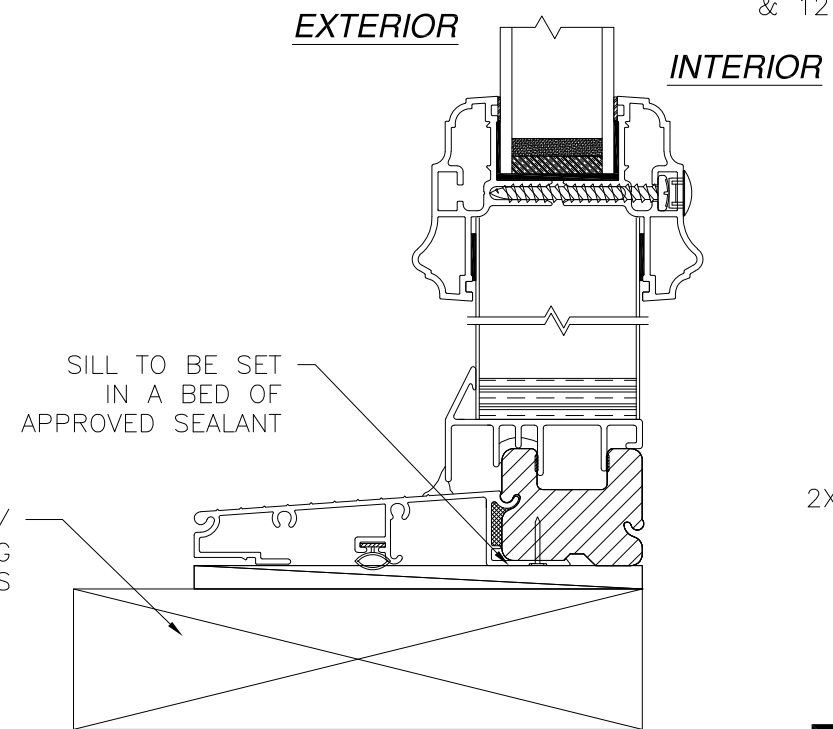
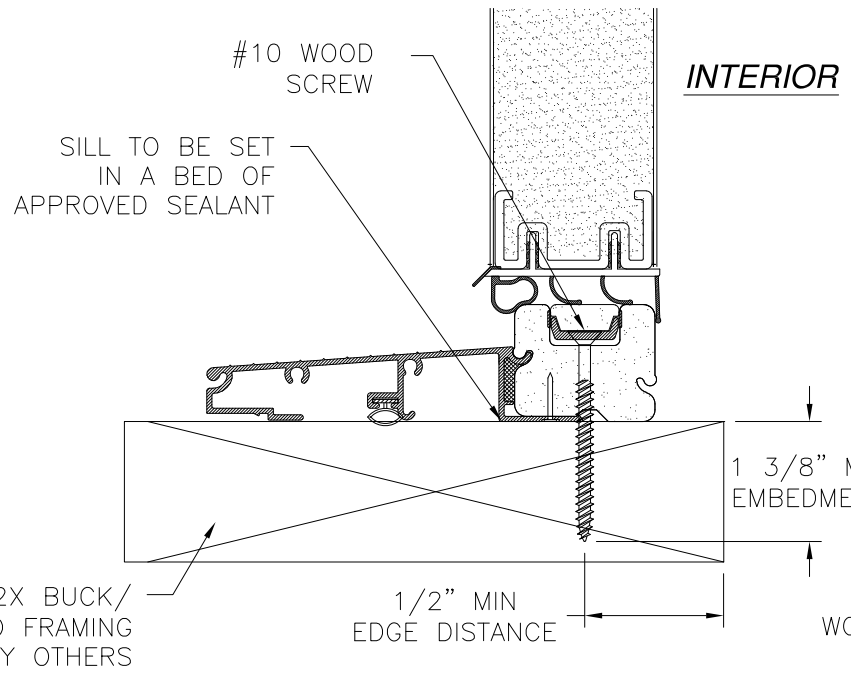
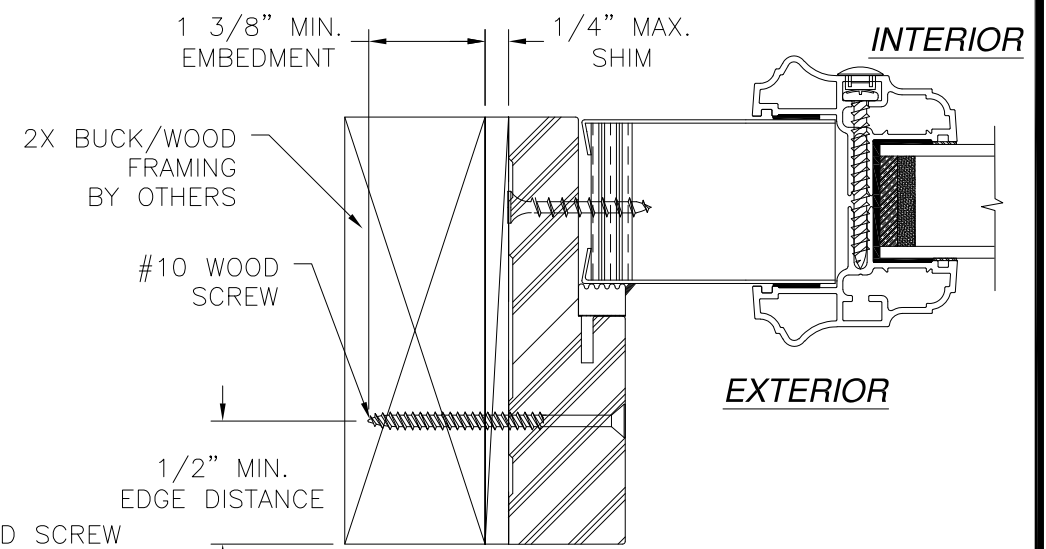
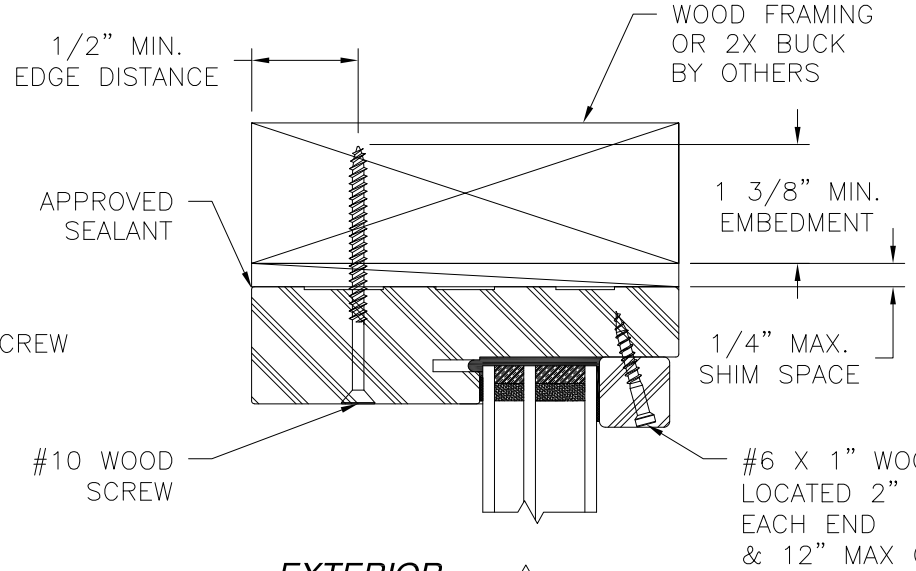
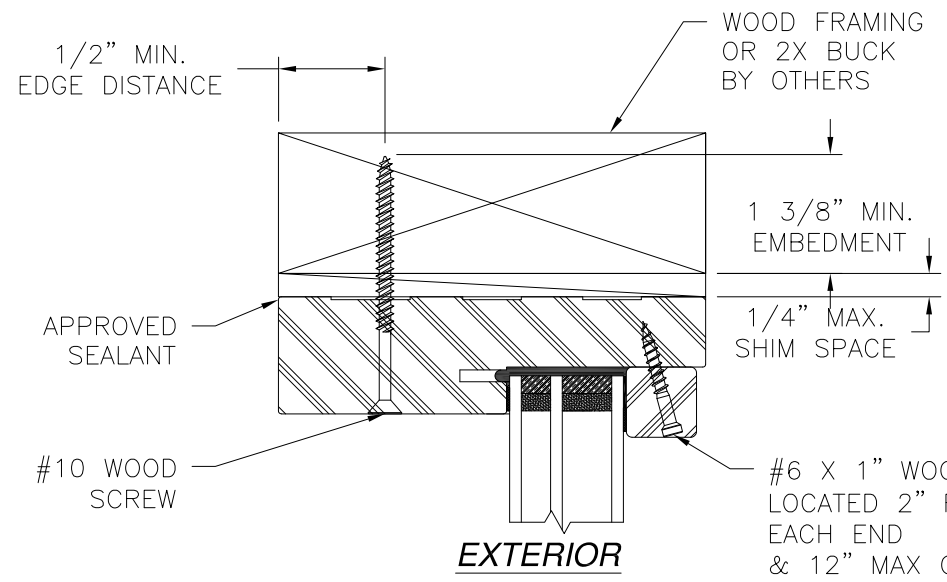
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ANCHORING LAYOUTS

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

VERTICAL CROSS SECTION
SIDELITE AND TRANSOM INSTALLATION 2X BUCK/WOOD FRAMING
STANDARD SIDELITE SHOWN
DIRECT SET SIDELITE SIMILAR
TRANSOM HEAD SHOWN
TRANSOM JAMB SIMILAR

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

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

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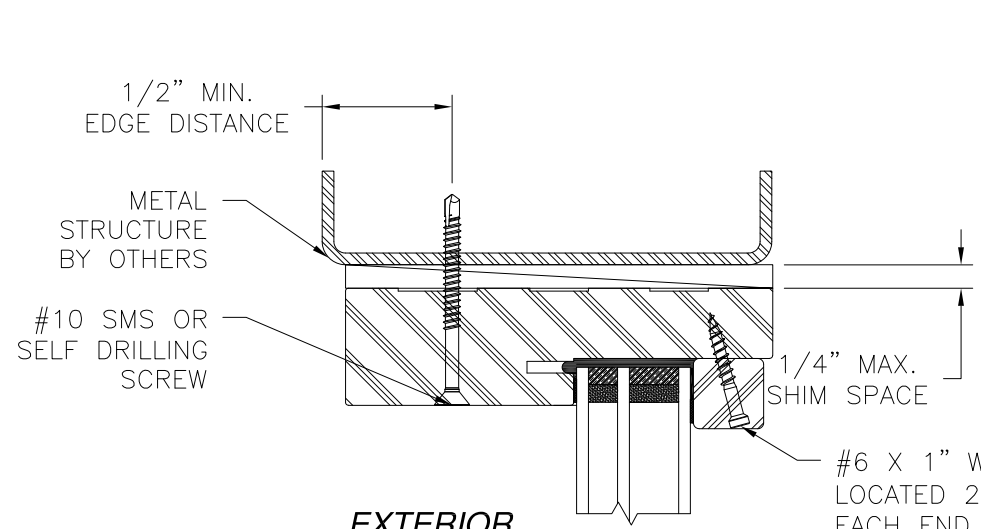
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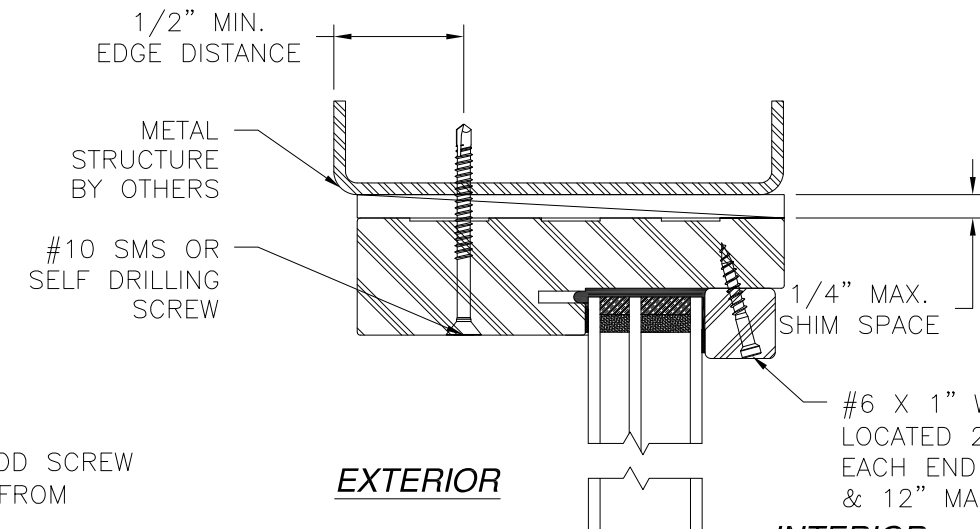
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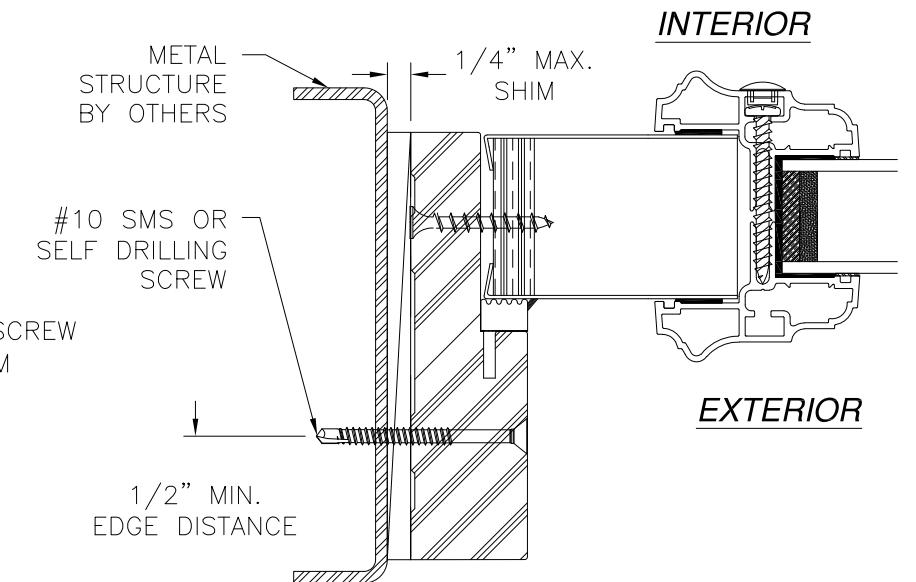
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INTERIOR



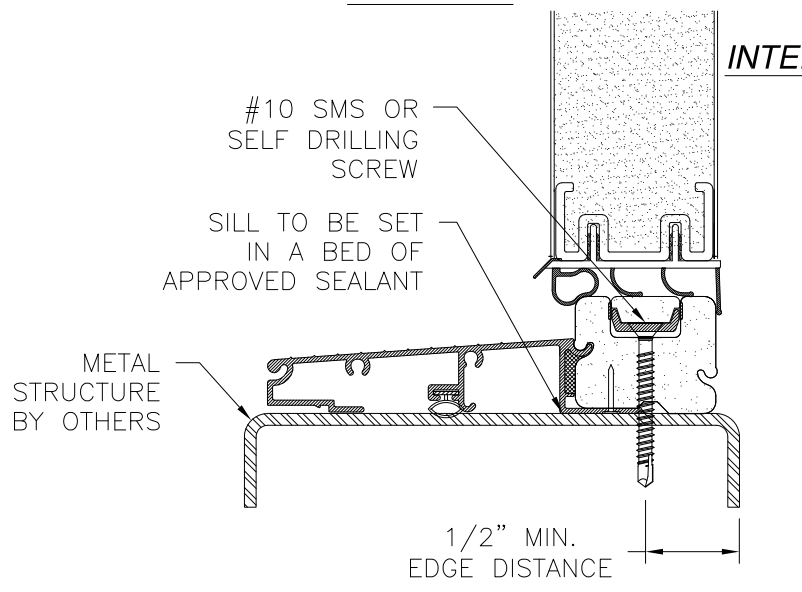
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INTERIOR



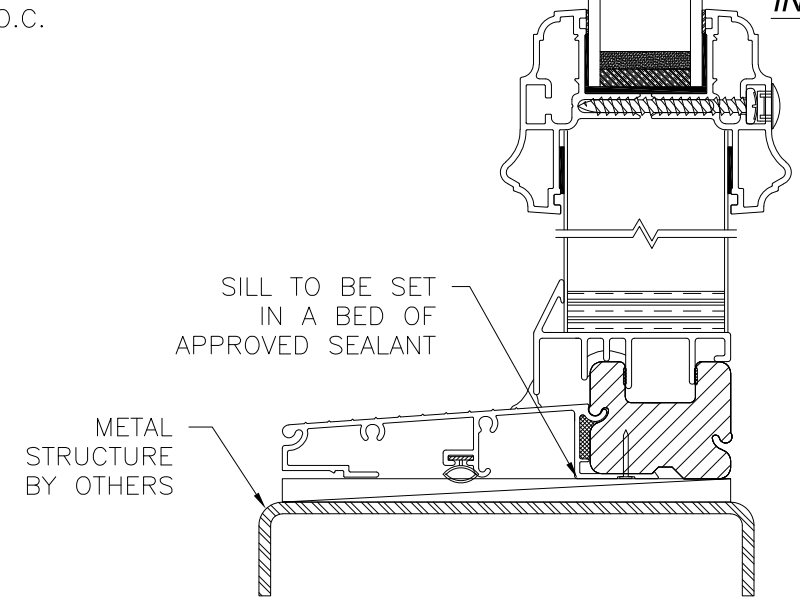
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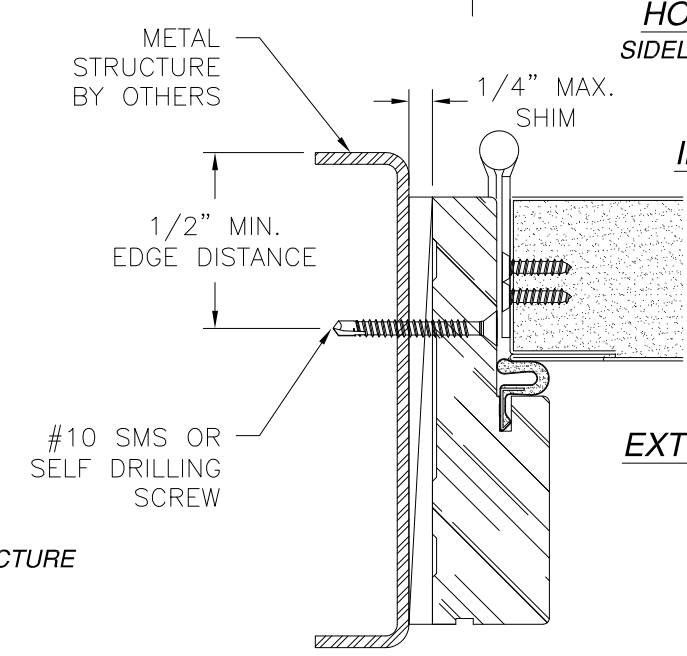
VERTICAL CROSS SECTION

DOOR AND TRANSOM INSTALLATION METAL STRUCTURE
TRANSOM HEAD SHOWN
TRANSOM JAMB SIMILAR



VERTICAL CROSS SECTION

SIDELITE AND TRANSOM INSTALLATION METAL STRUCTURE
STANDARD SIDELITE SHOWN
DIRECT SET SIDELITE SIMILAR
TRANSOM HEAD SHOWN
TRANSOM JAMB SIMILAR



HORIZONTAL CROSS SECTION

DOOR INSTALLATION METAL STRUCTURE

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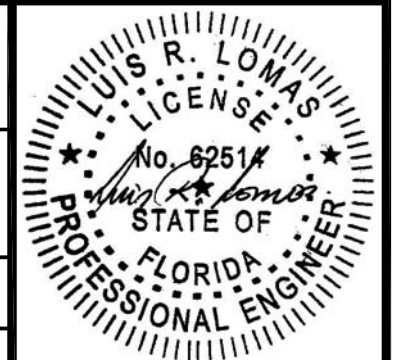
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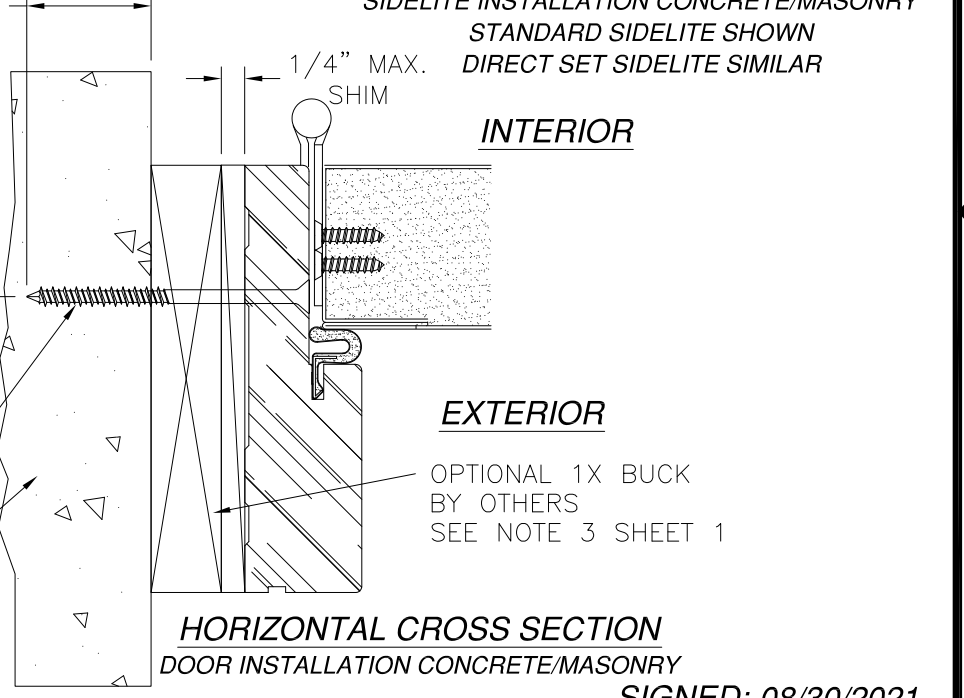
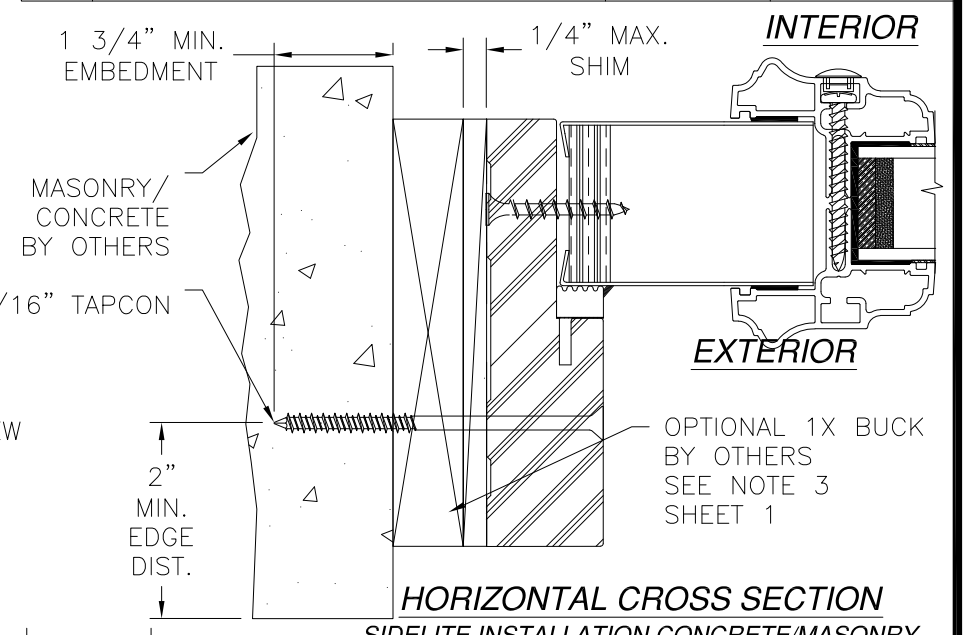
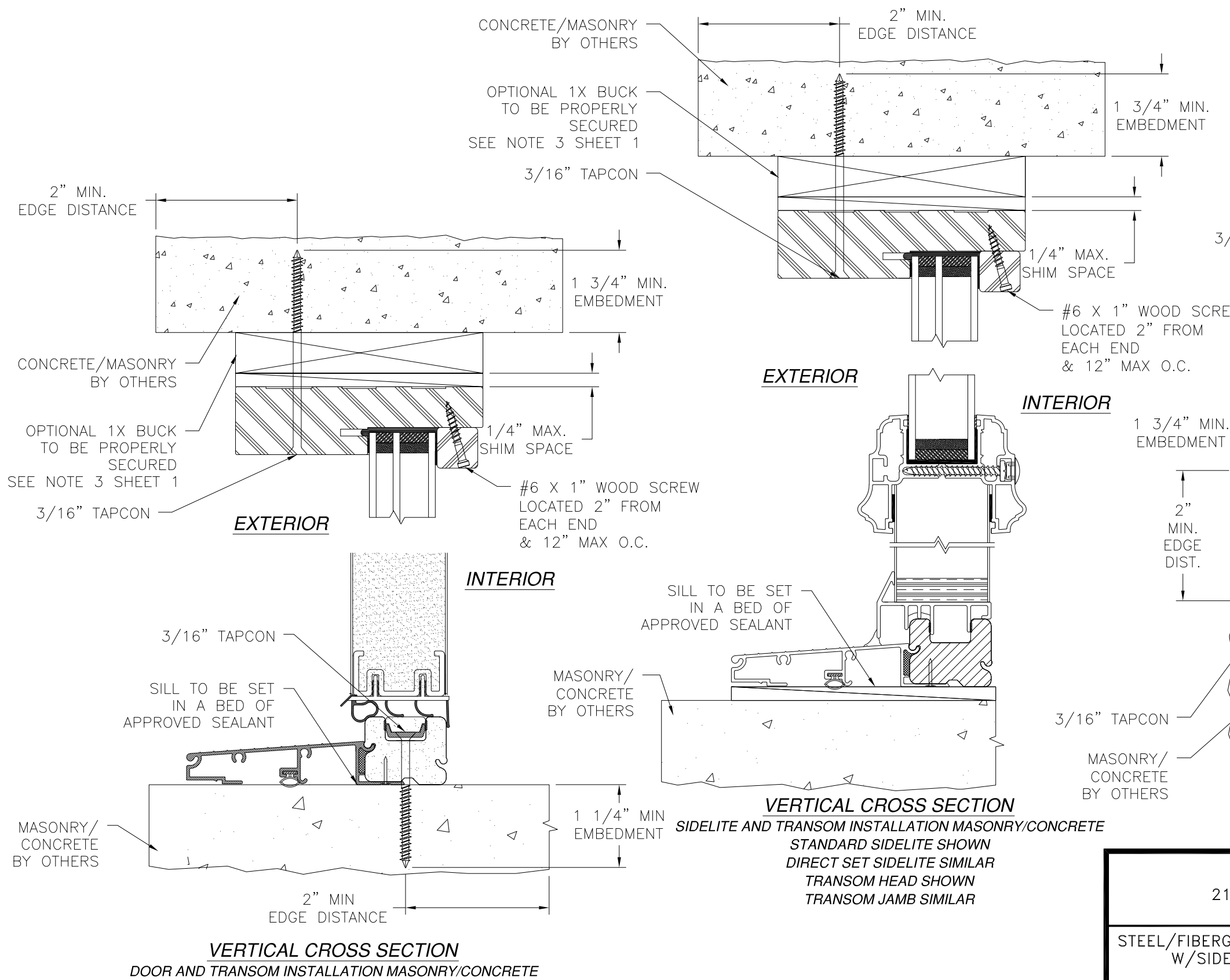
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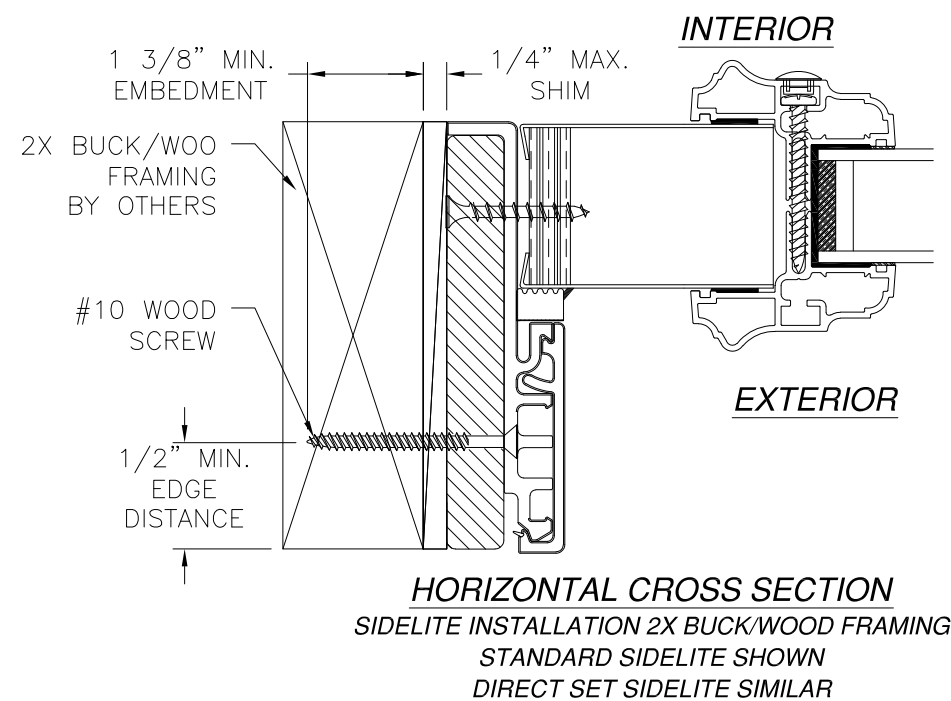
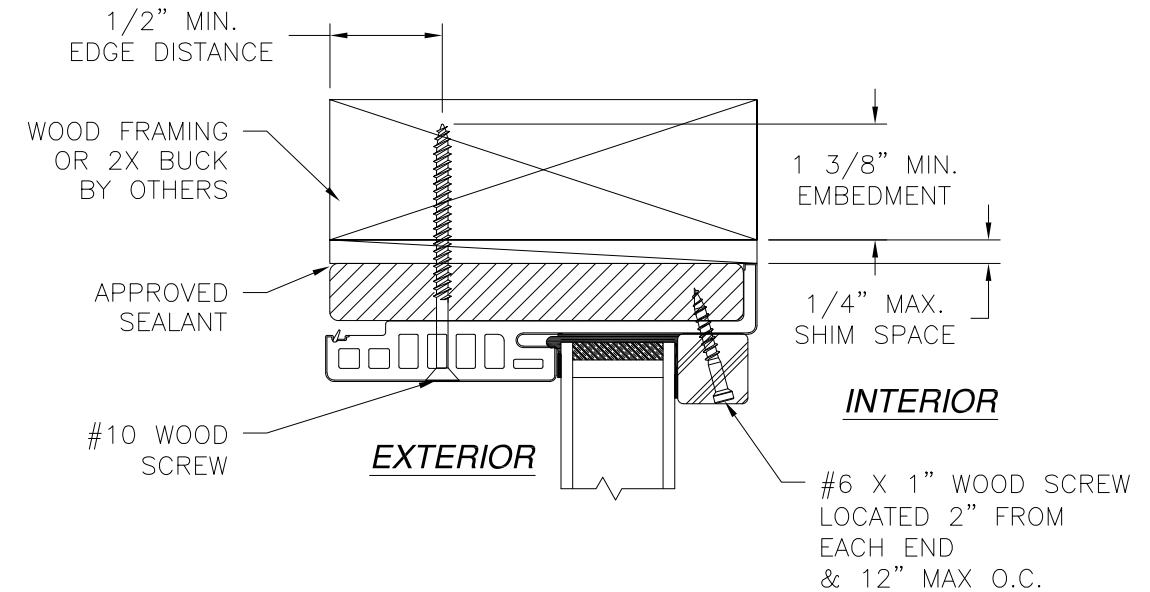
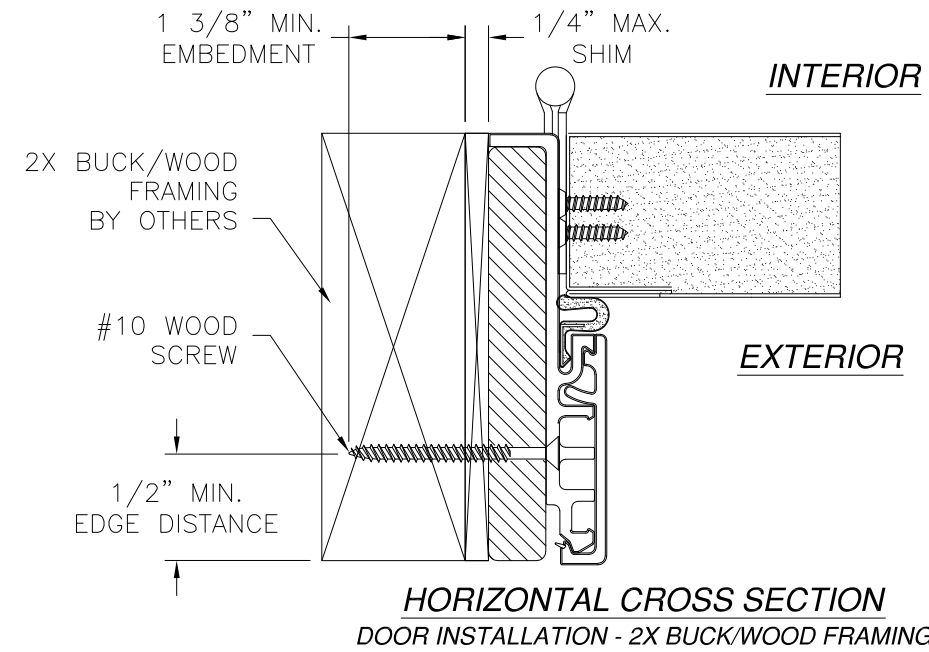
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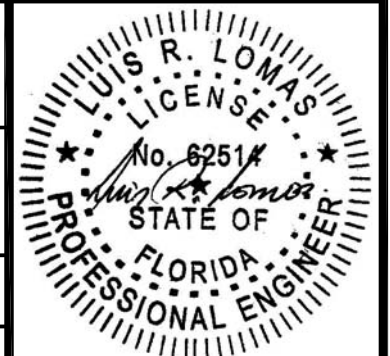
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STEEL/FIBERGLASS INSWING OPAQUE DOUBLE DOOR
W/SIDELITES & TRANSOM NON-IMPACT
INSTALLATION DETAILS W/FUSION FRAME

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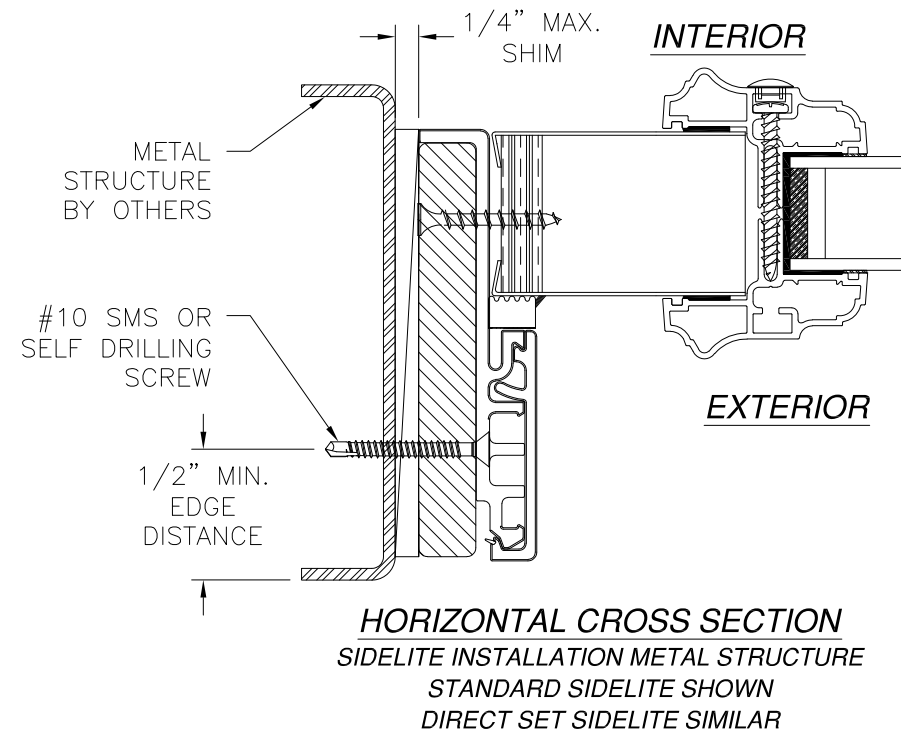
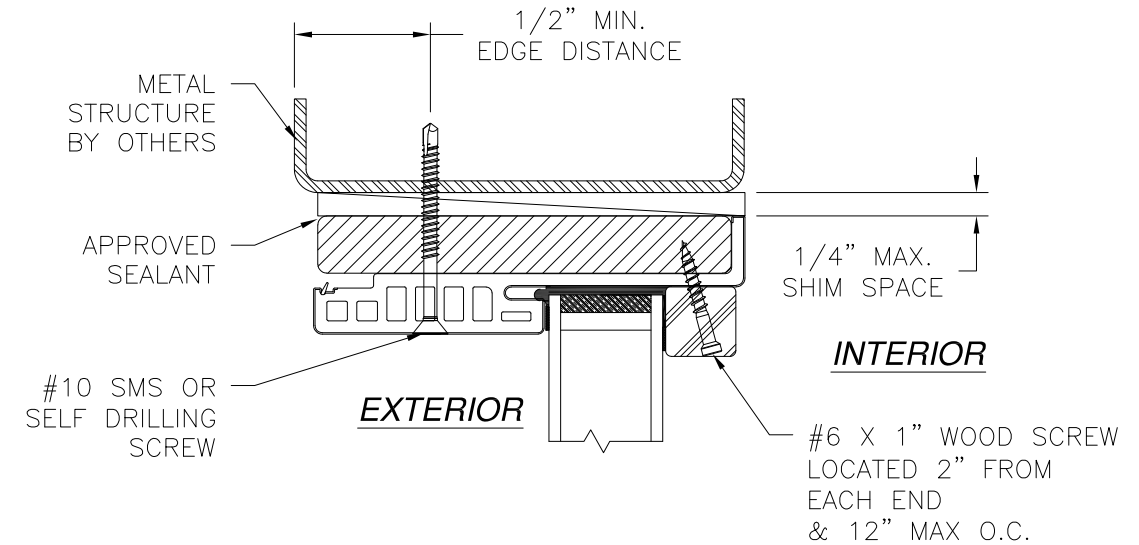
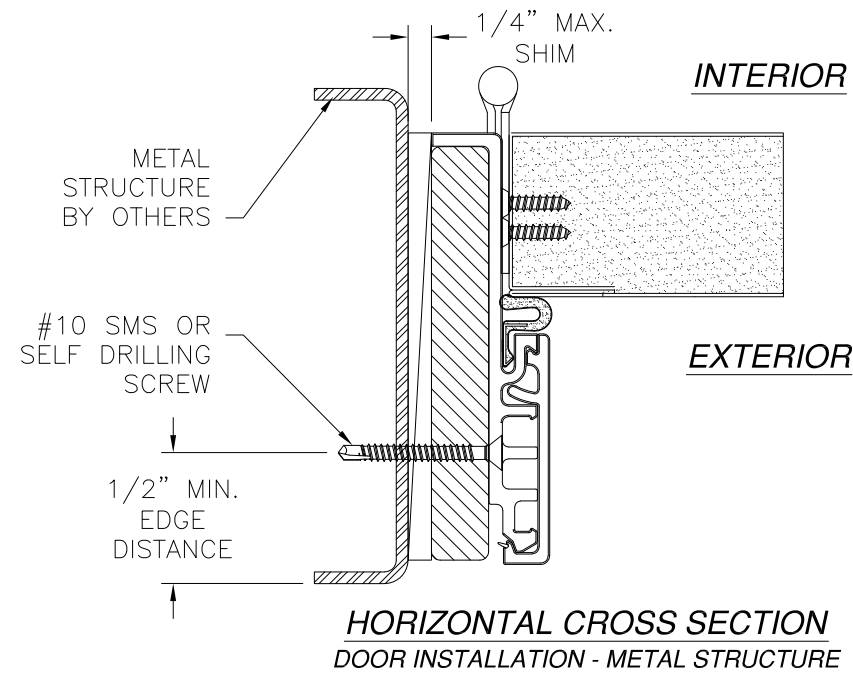
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HORIZONTAL CROSS SECTION
SIDELITE INSTALLATION METAL STRUCTURE
 STANDARD SIDELITE SHOWN
 DIRECT SET SIDELITE SIMILAR

- 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

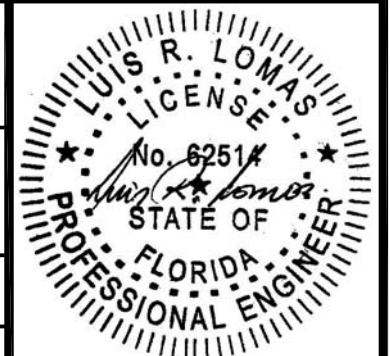
SIGNED: 08/30/2021

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

STEEL/FIBERGLASS INSWING OPAQUE DOUBLE DOOR
 W/SIDELITES & TRANSOM NON-IMPACT
 INSTALLATION DETAILS W/FUSION FRAME

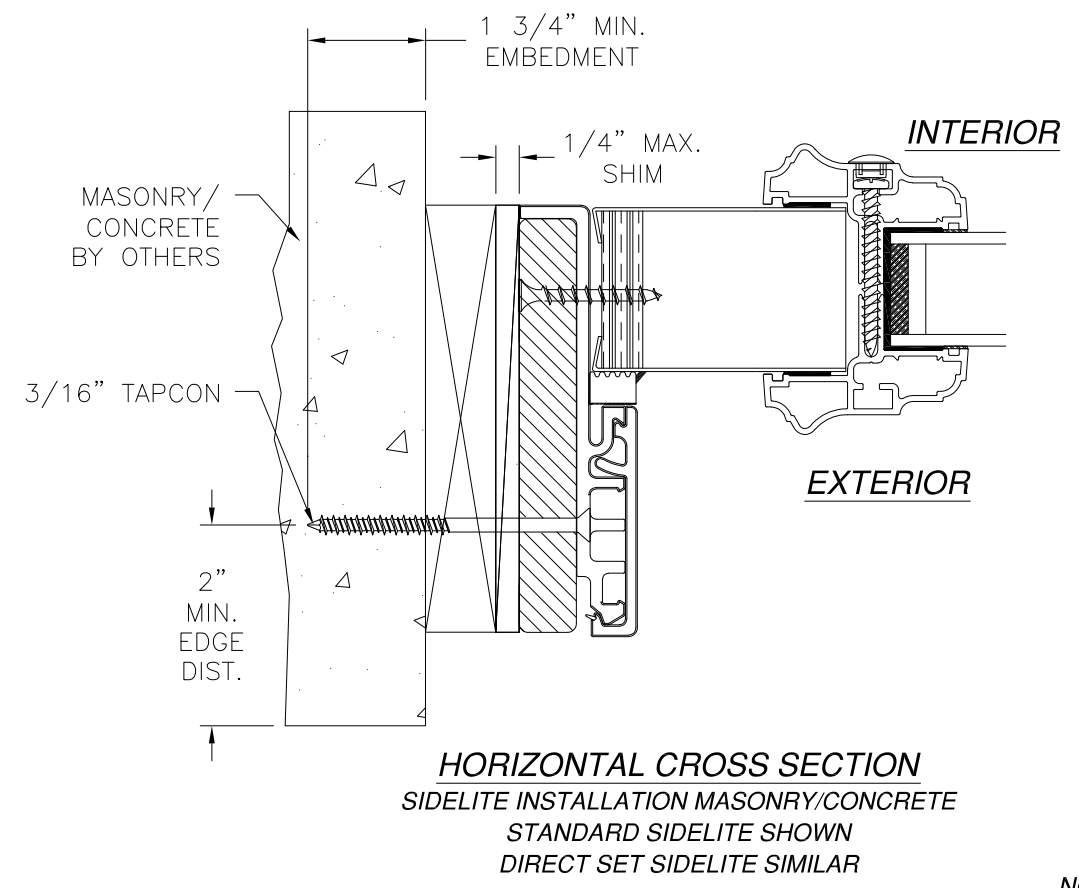
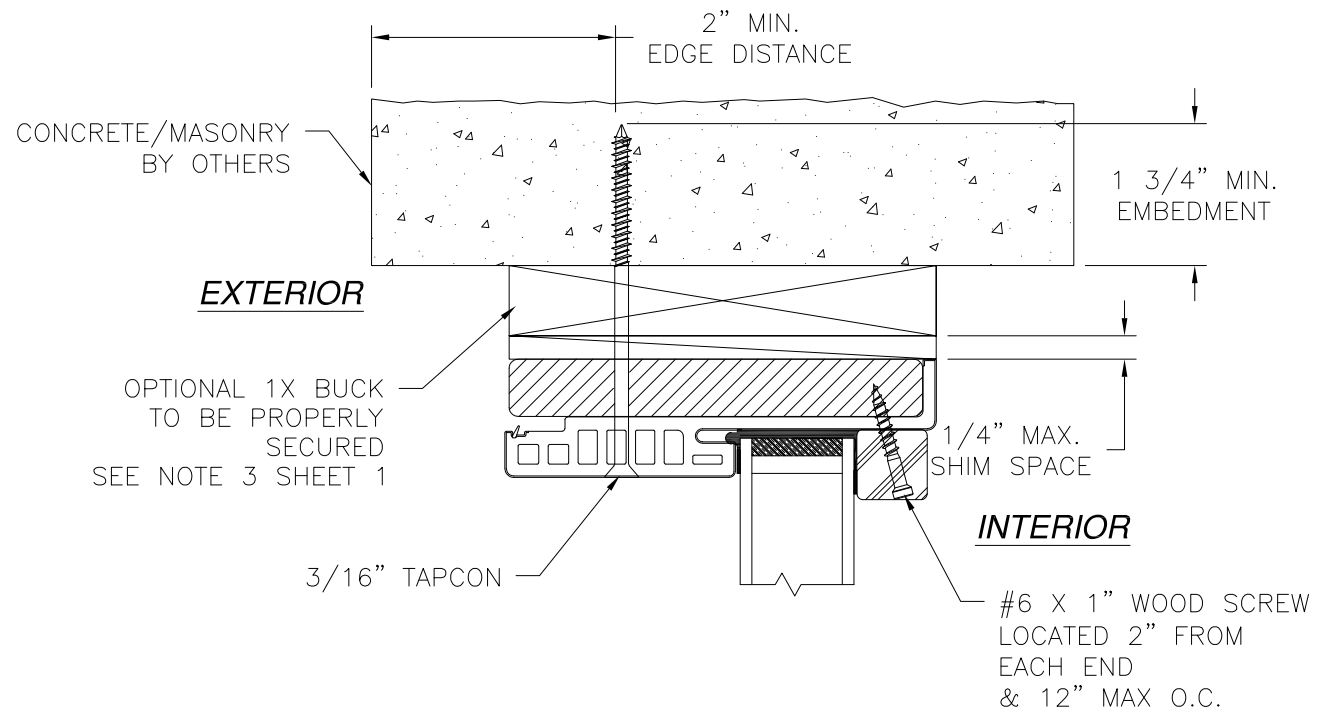
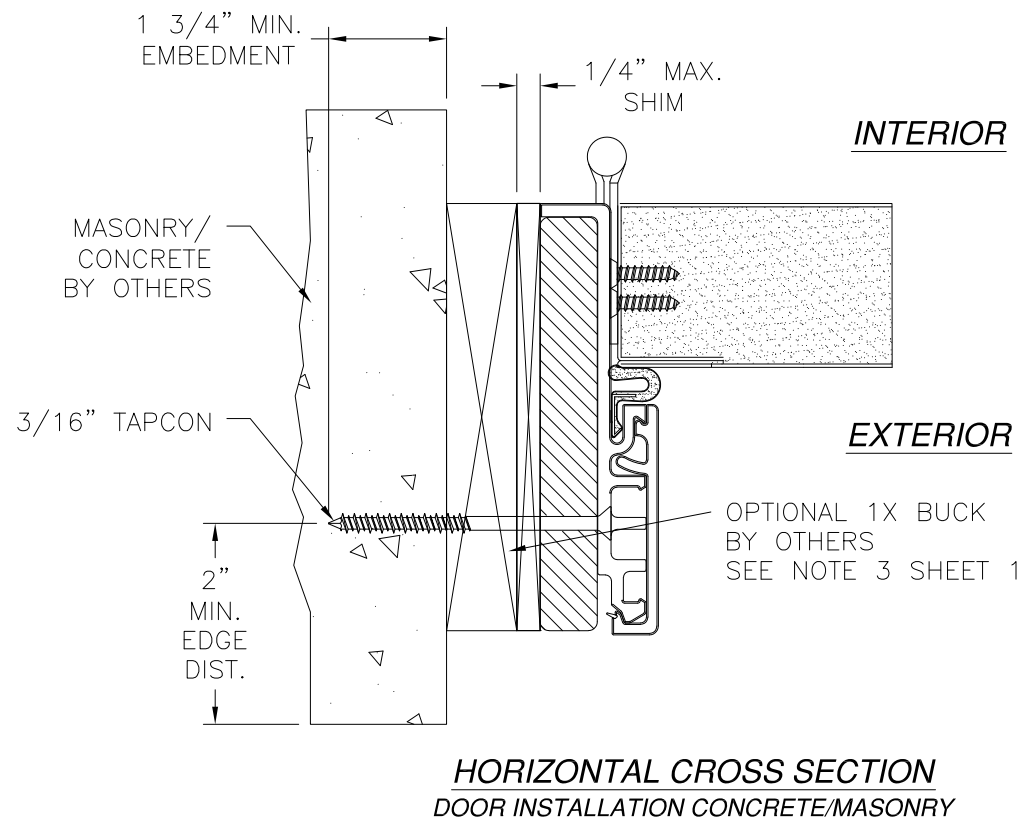
DRAWN: V.L.	DWG NO. 08-02081	REV I
SCALE NTS	DATE 06/19/13	SHEET 10 OF 16

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

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
I	ADDED FIR TRIM TO APPROVED TRIMS	08/30/2021	R.L.



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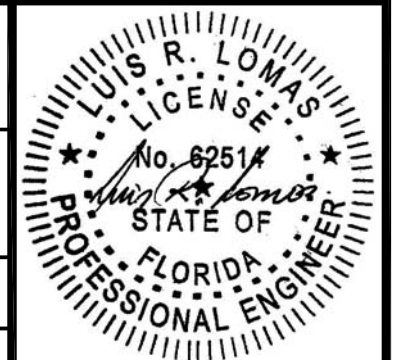
PROVIA, LLC.
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STEEL/FIBERGLASS INSWING OPAQUE DOUBLE DOOR
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DRAWN: V.L.	DWG NO. 08-02081	REV I
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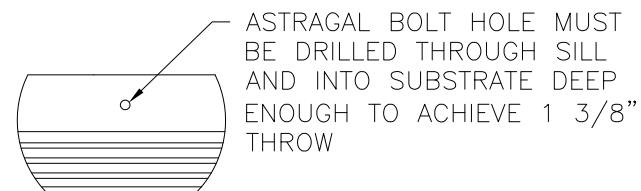
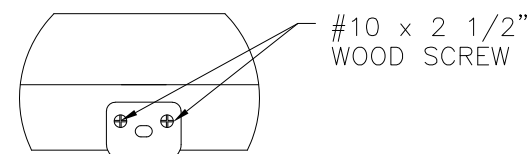
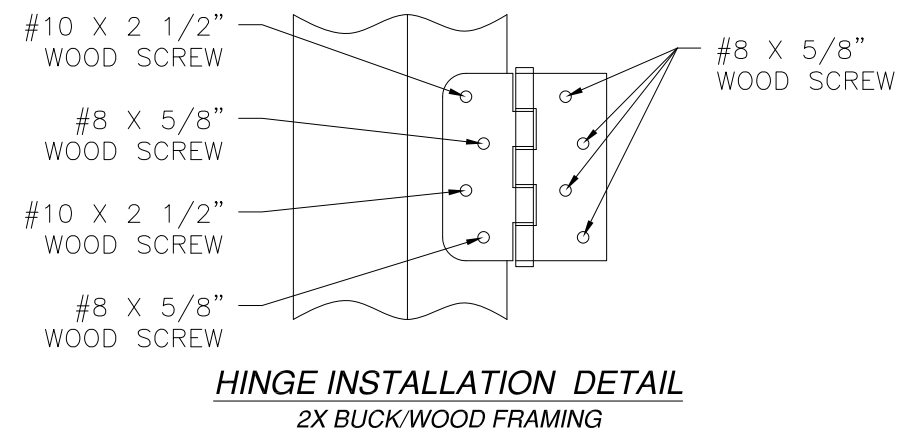
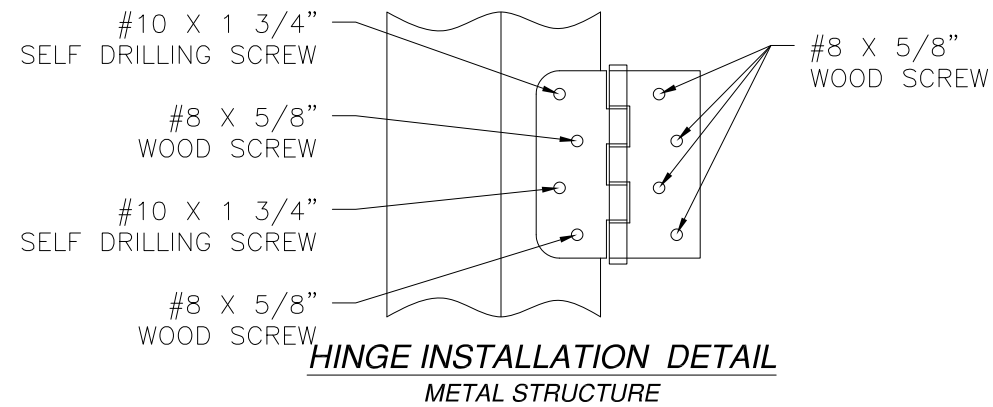
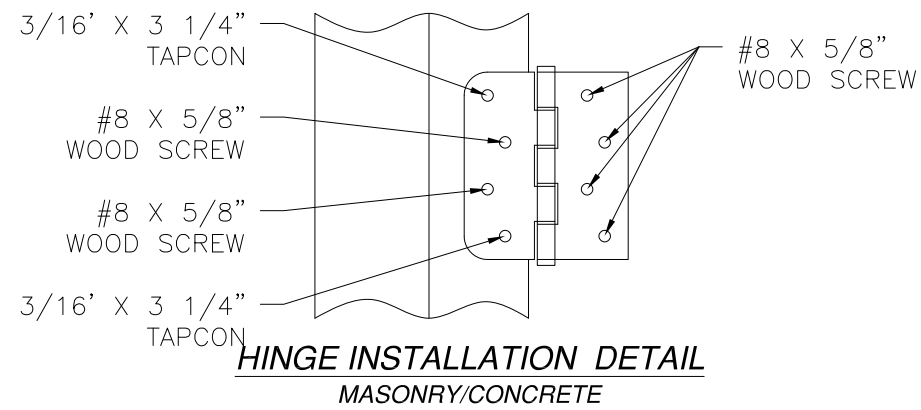
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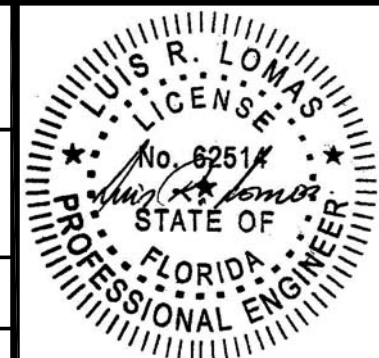
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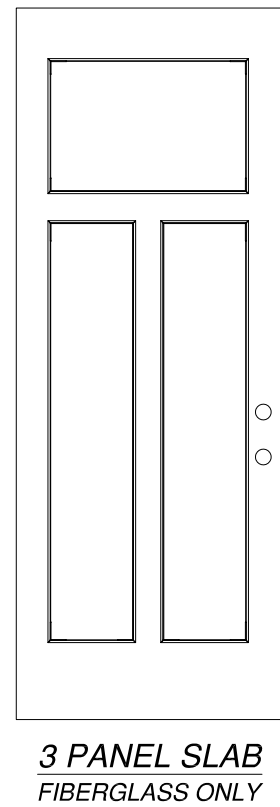
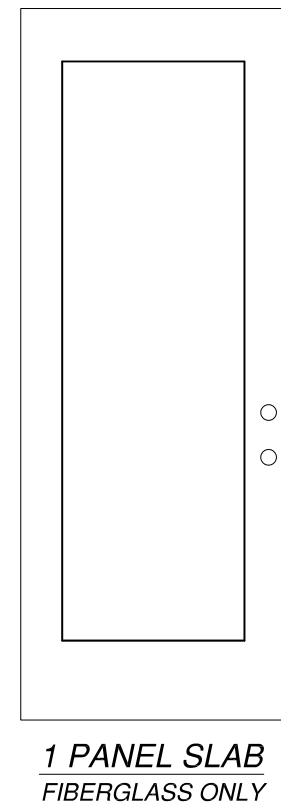
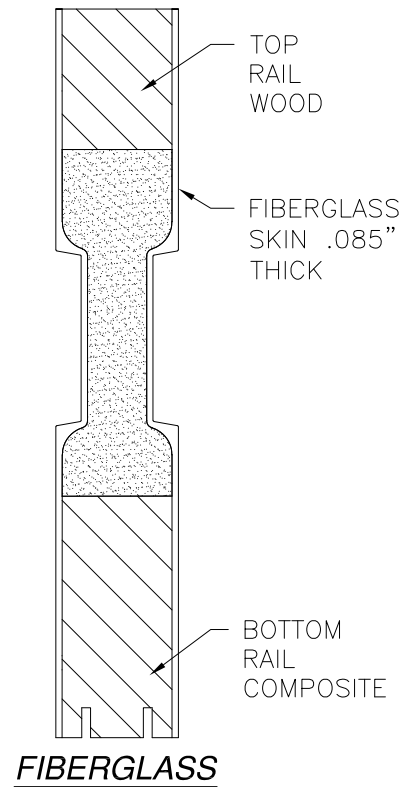
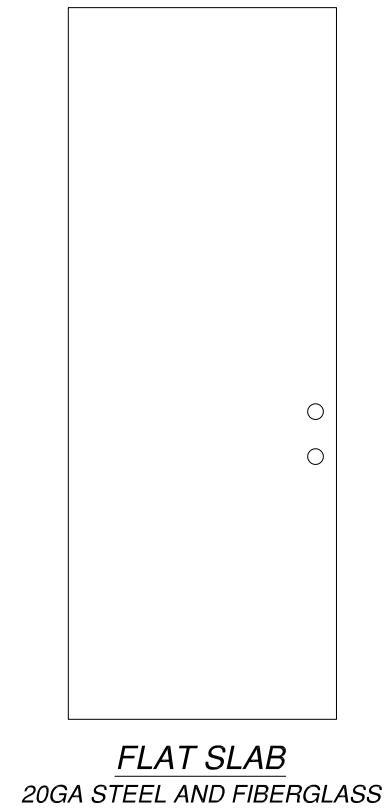
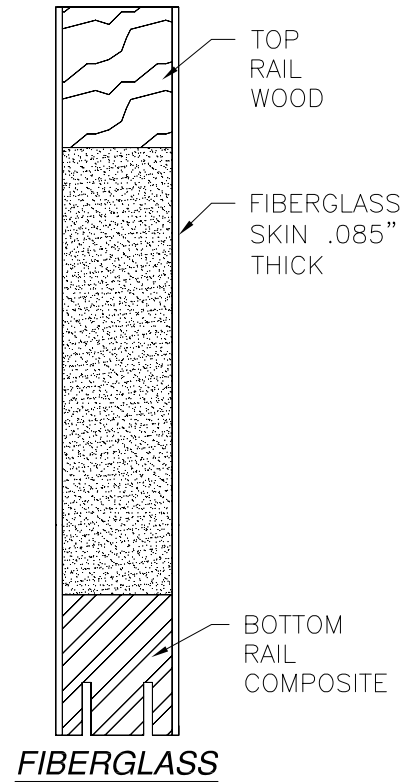
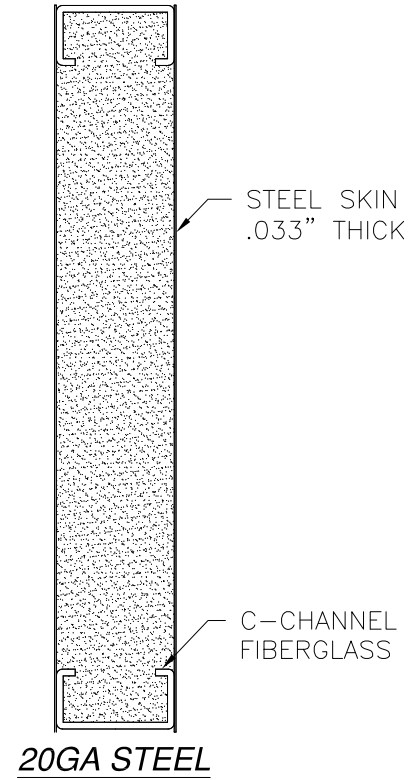
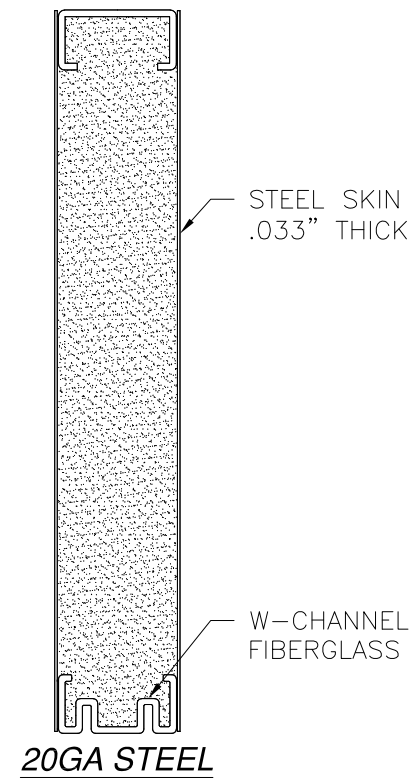
PROVIA, LLC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
STEEL/FIBERGLASS INSWING OPAQUE DOUBLE DOOR W/SIDELITES & TRANSOM NON-IMPACT COMPONENTS DETAILS		
DRAWN: V.L.	DWG NO. 08-02081	REV I
SCALE NTS	DATE 06/19/13	SHEET 12 OF 16
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@lrlomaspe.com		



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APPROVED DOOR SLABS AND CROSS SECTIONS

REVISIONS			
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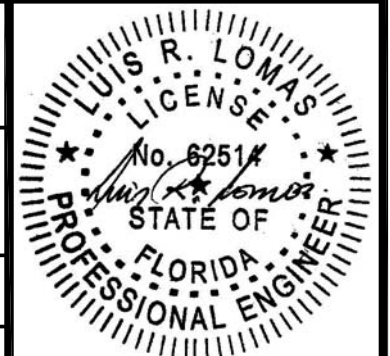
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STEEL/FIBERGLASS INSWING OPAQUE DOUBLE DOOR
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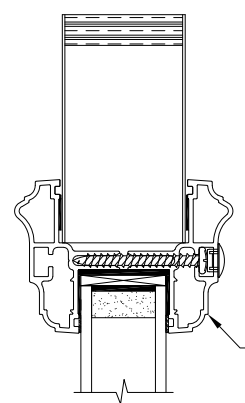
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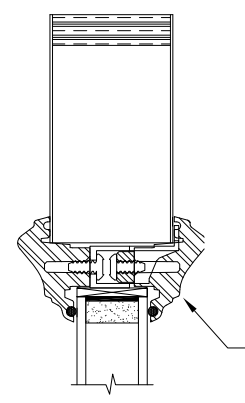
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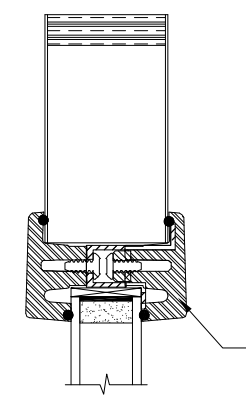
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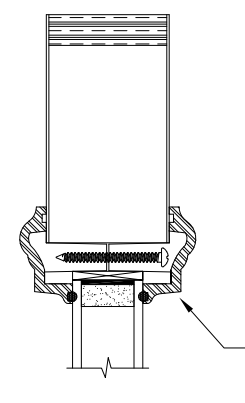
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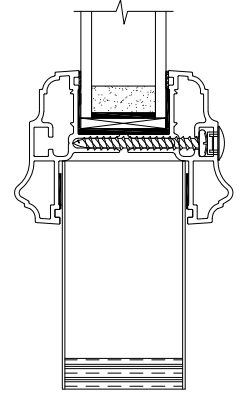
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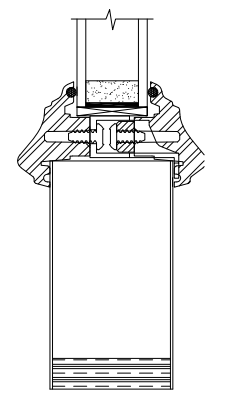
SMOOTH TRIM



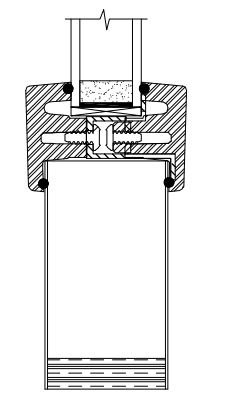
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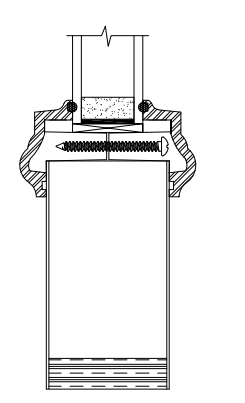
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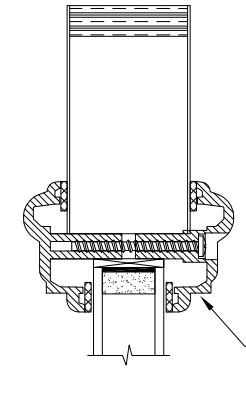
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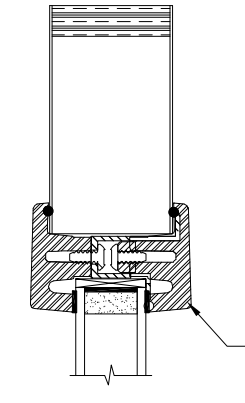
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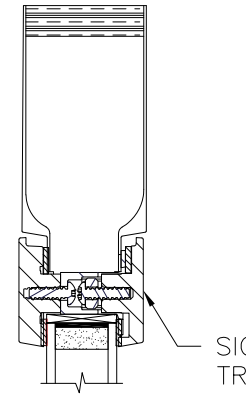
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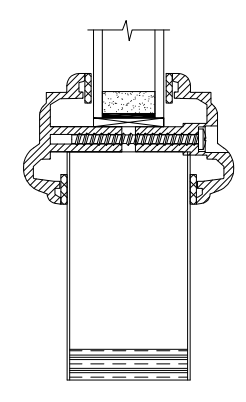
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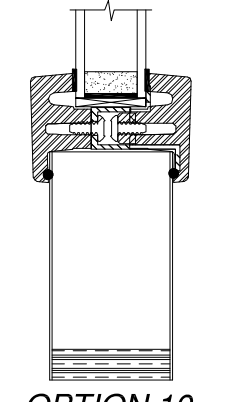
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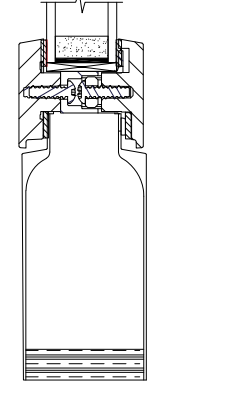
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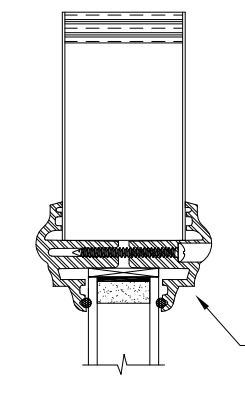
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ELTON TRIM



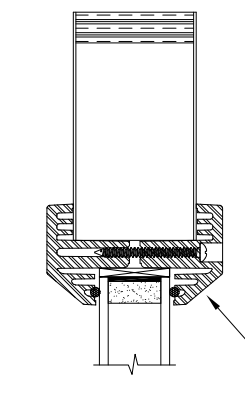
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SMOOTH TRIM
W/TAPE



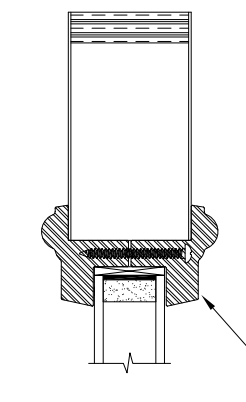
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SIGNET FIR TRIM



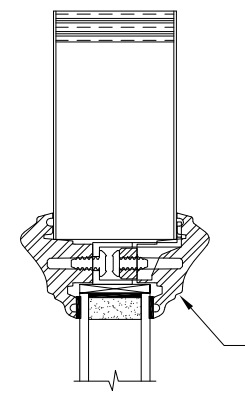
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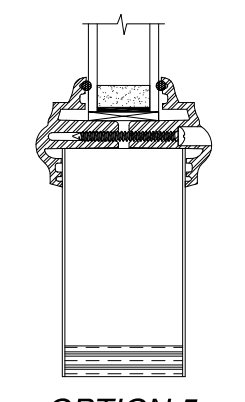
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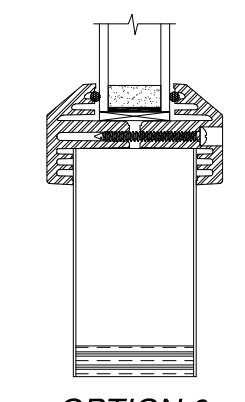
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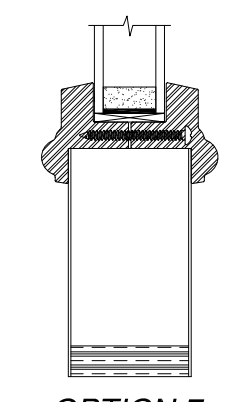
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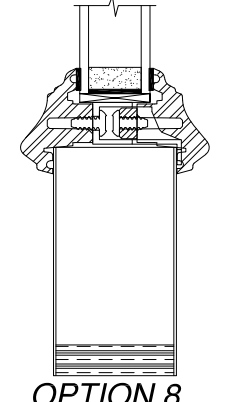
OPTION 5
EVOLVE TRIM



OPTION 6
SPOTLIGHT TRIM



OPTION 7
RSL TRIM



OPTION 8
PLUGLESS TRIM
W/TAPE

PROVIA, LLC.
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STEEL/FIBERGLASS INSWING OPAQUE DOUBLE DOOR
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APPROVED SLABS AND TRIMS

DRAWN: V.L.	DWG NO. 08-02081	REV I
SCALE NTS	DATE 06/19/13	SHEET 14 OF 16

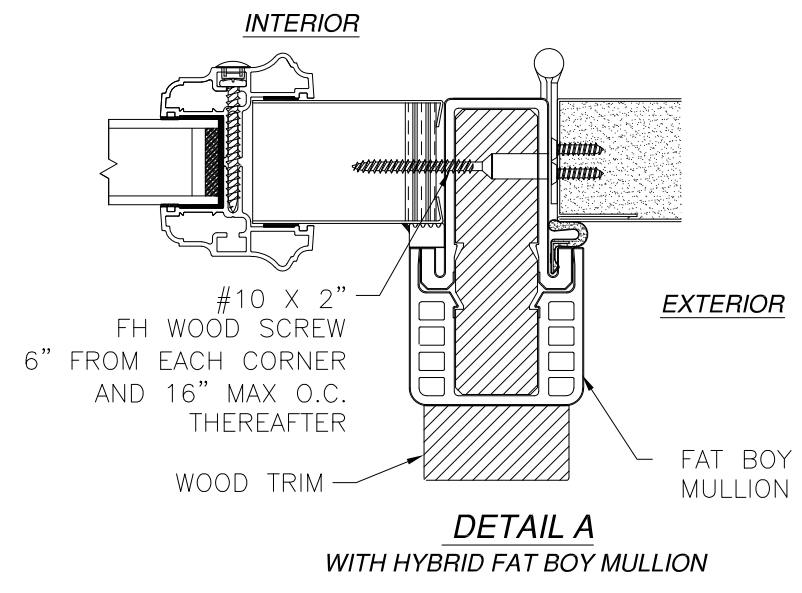
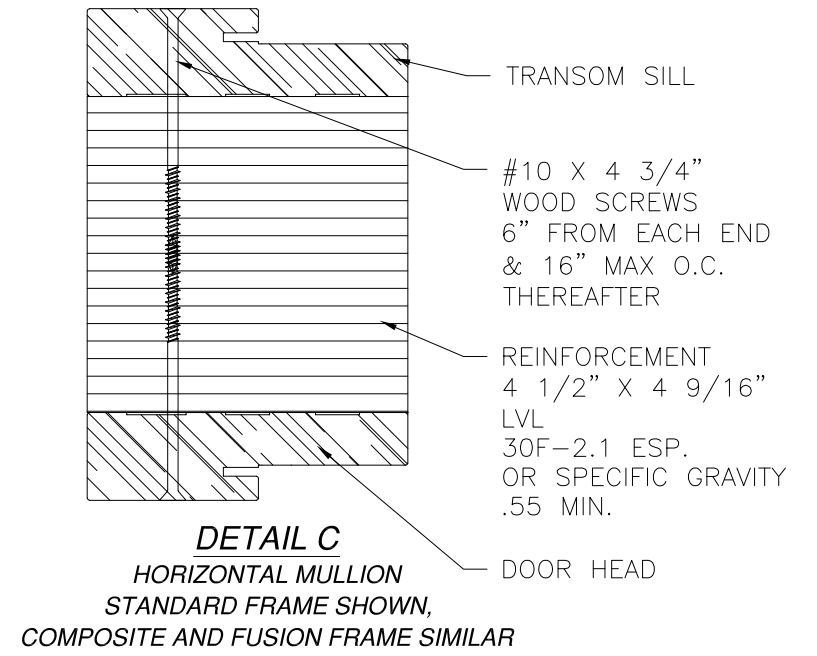
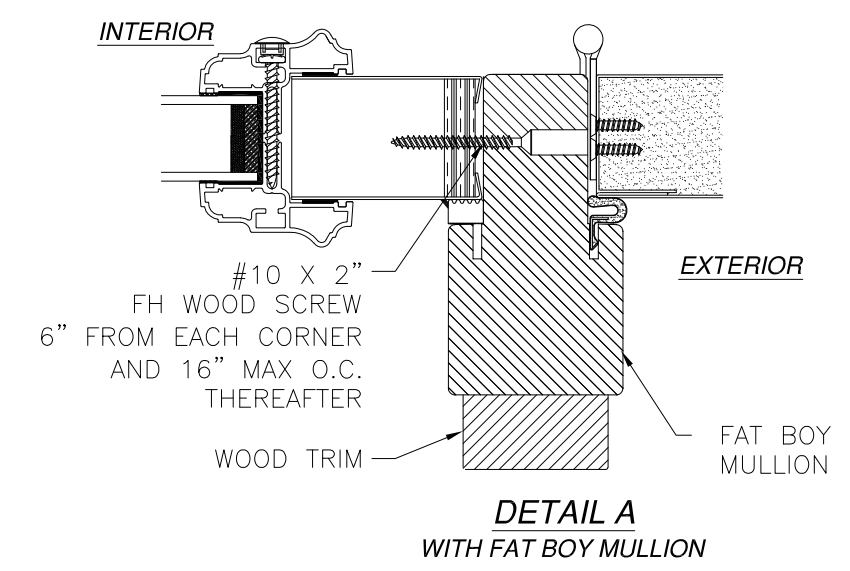
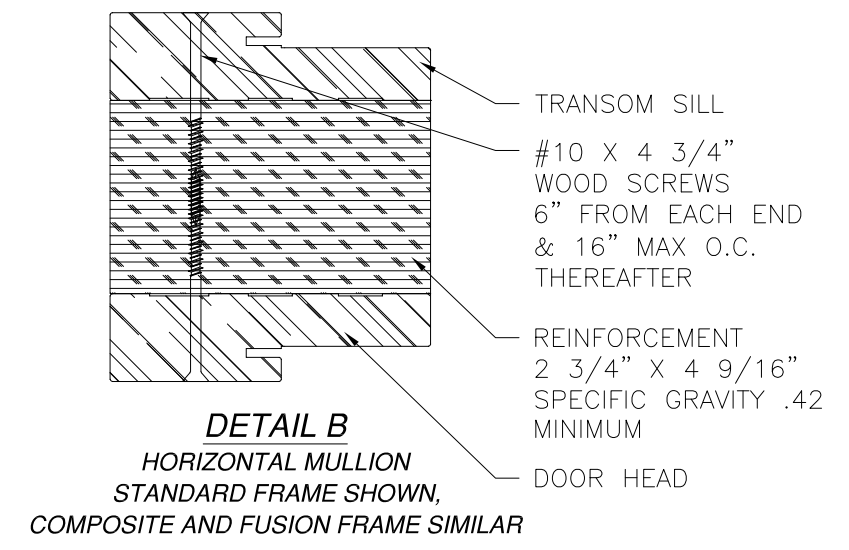
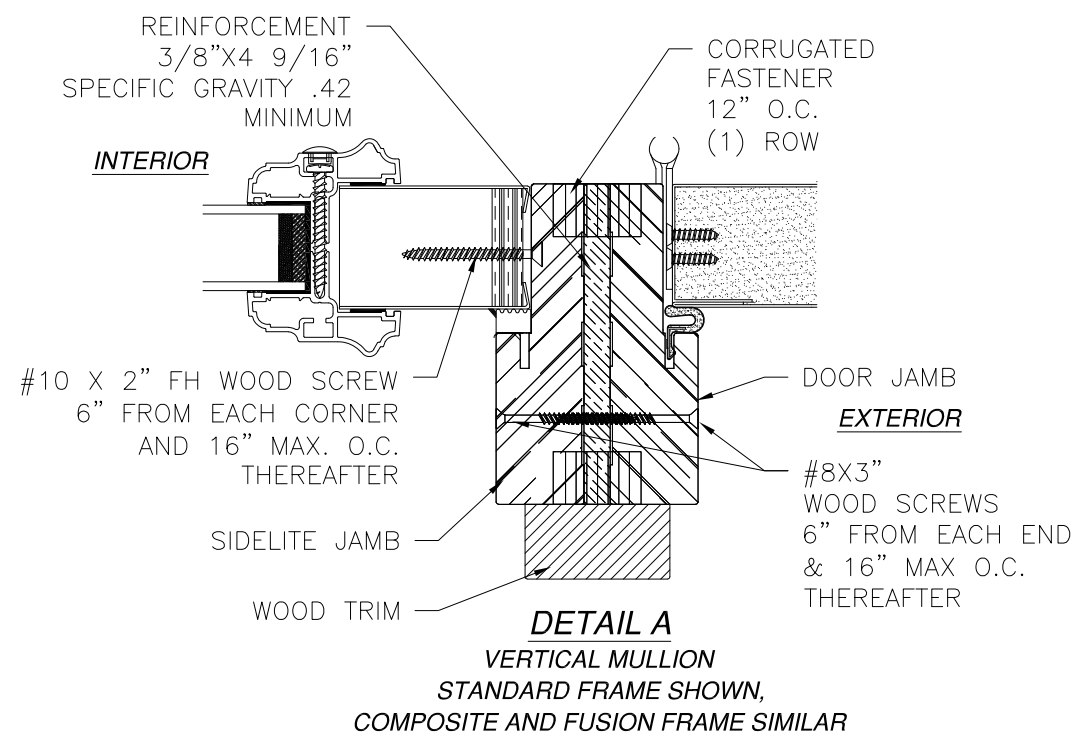
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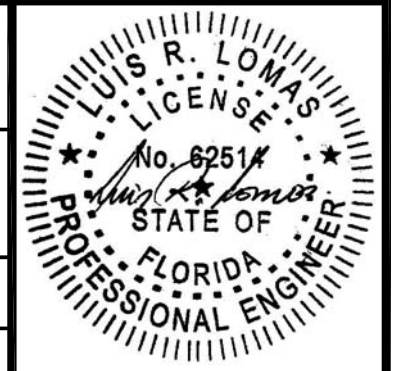
PROVIA, LLC.
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**STEEL/FIBERGLASS INSWING OPAQUE DOUBLE DOOR
W/SIDELITES & TRANSOM NON-IMPACT
MULLION DETAILS**

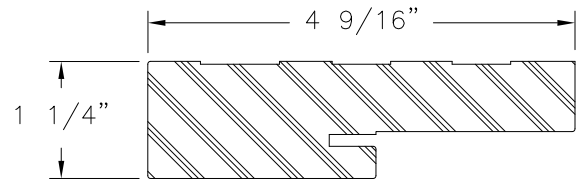
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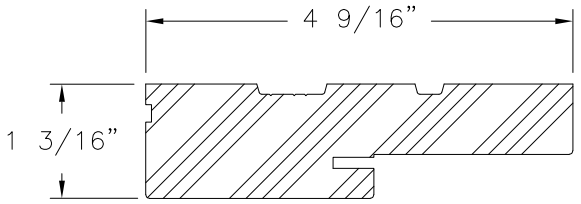
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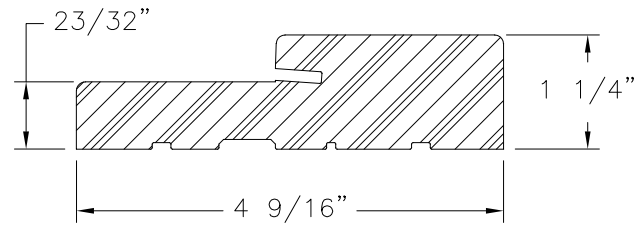
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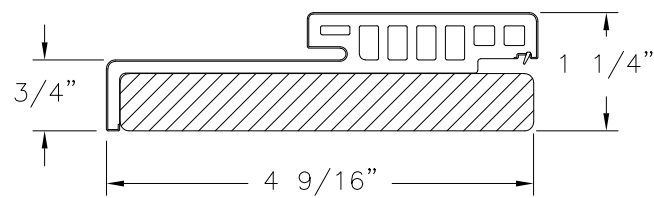
COMPOSITE FRAME PROFILE



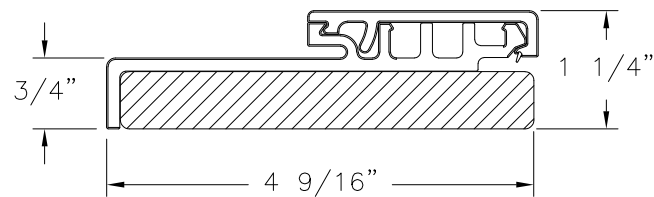
WOOD FRAME PROFILE



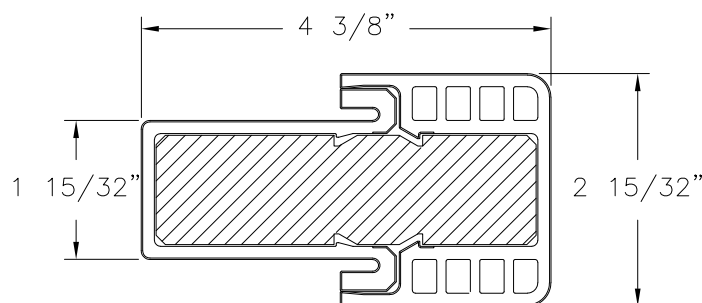
**FRAMESAVER
COMPOSITE**



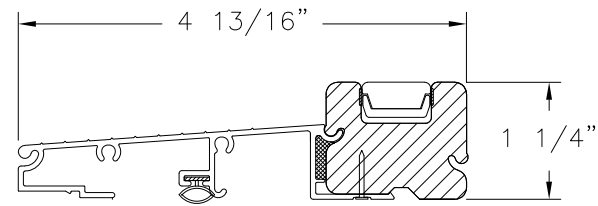
**HYBRID HEAD
WOOD/COMPOSITE**



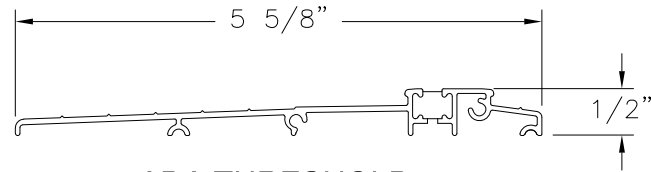
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WOOD/COMPOSITE**



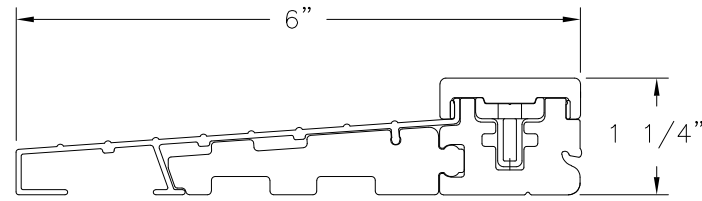
**HYBRID FAT BOY MULLION
COMPOSITE**



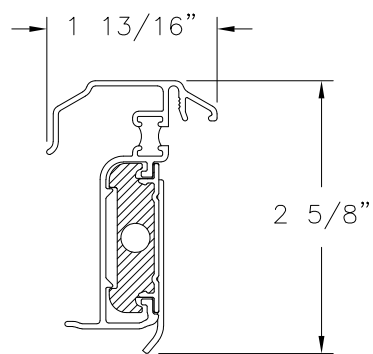
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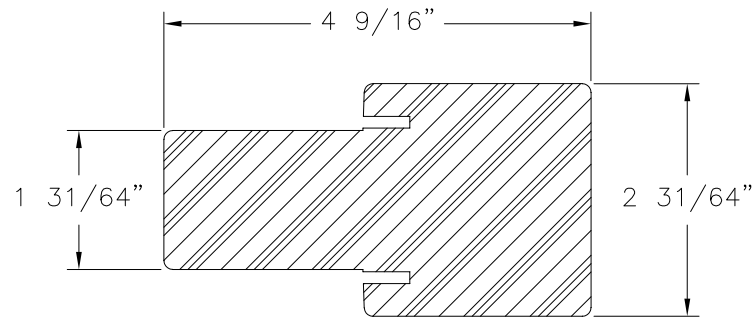
ADA THRESHOLD



INSWING SILL

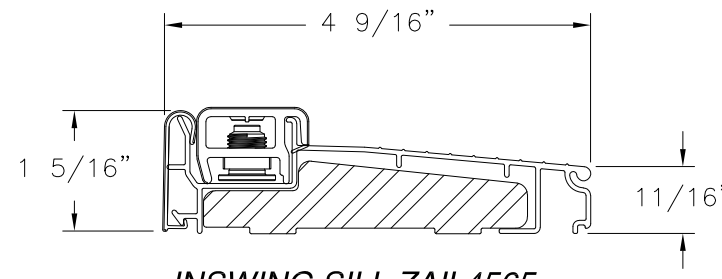


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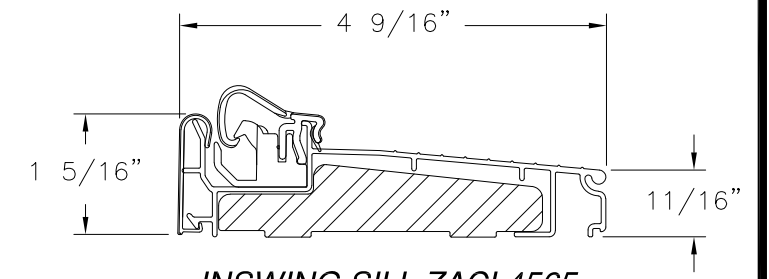


**FAT BOY MULLION
COMPOSITE**

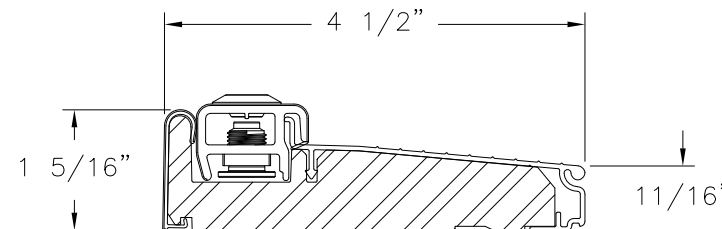
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REV	DESCRIPTION	DATE	APPROVED
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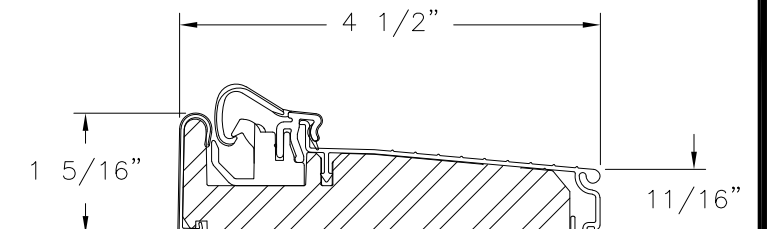
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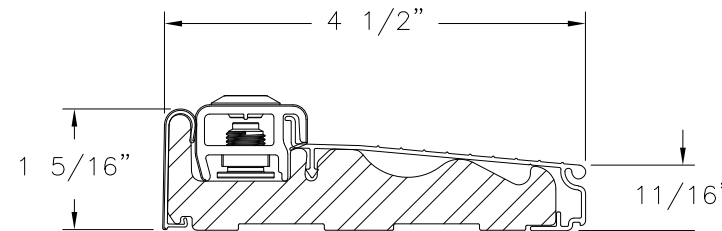
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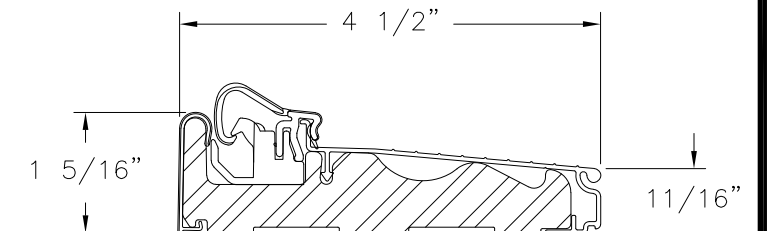
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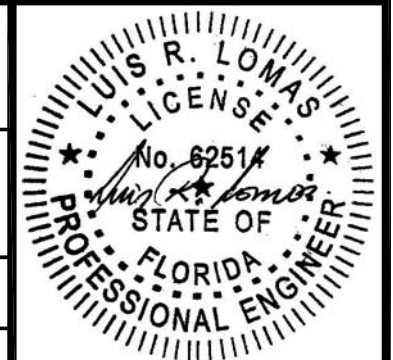
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