

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
N	REVISE TRIMS AND HARDWARE SCHEDULE	11/20/2023	R.L.

NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE FLORIDA BUILDING CODE.
2. WOOD AND METAL FRAMING 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. WHERE SHIM OR BUCK THICKNESS IS LESS THAN 1-1/2" UNITS MUST BE ANCHORED THROUGH THE FRAME IN ACCORDANCE WITH MANUFACTURER'S PUBLISHED INSTALLATION INSTRUCTIONS. ANCHORS SHALL BE SECURELY FASTENED DIRECTLY INTO MASONRY, CONCRETE OR OTHER STRUCTURAL SUBSTRATE MATERIAL.
4. WHERE WOOD BUCK THICKNESS IS 1-1/2" OR GREATER, BUCK SHALL BE SECURELY FASTENED TO MASONRY, CONCRETE OR OTHER STRUCTURAL SUBSTRATE. UNITS MAY BE ANCHORED THROUGH FRAME TO SECURED WOOD BUCK IN ACCORDANCE WITH MANUFACTURER'S PUBLISHED INSTALLATION INSTRUCTIONS.
5. 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.
6. BUCKS SHALL EXTEND BEYOND UNIT FRAME INTERIOR FACE SO THAT FULL FRAME SUPPORT IS PROVIDED.
7. SHIM AS REQUIRED AT EACH ANCHOR LOCATION WITH LOAD BEARING SHIM. SHIM WHERE SPACE OF 1/16" OR GREATER OCCURS. MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4".
8. SHIMS SHALL BE LOCATED, APPLIED AND MADE FROM MATERIALS AND THICKNESS CAPABLE OF SUSTAINING APPLICABLE LOADS.
9. WIND LOAD DURATION FACTOR Cd=1.6 WAS USED FOR WOOD ANCHOR CALCULATIONS.
10. FRAME MATERIAL: WOOD G=.46 MINIMUM SPECIFIC GRAVITY OR FRAME SAVER OR FUSION FRAME.
11. DOOR PANEL AND SIDELITE MATERIAL: .080" THICK FIBERGLASS WITH WOOD TOP RAIL AND COMPOSITE BOTTOM RAIL.
12. UNITS MUST BE GLAZED PER ASTM E1300, WITH SAFETY GLAZING.
13. APPROVED IMPACT PROTECTIVE SYSTEM IS REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.

14. FOR ANCHORING THROUGH FRAME 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.
15. FOR ANCHORING THROUGH FRAME 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.
16. FOR ANCHORING THROUGH FRAME 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.
17. ALL FASTENERS TO BE CORROSION RESISTANT.
18. 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:
 - 18.1. WOOD: MINIMUM SPECIFIC GRAVITY OF G=0.42
 - 18.2. CONCRETE: MINIMUM COMPRESSIVE STRENGTH OF 2,000 PSI.
 - 18.3. MASONRY: GROUT FILLED BLOCK PER ASTM C90 WITH Fm=2,000PSI MINIMUM.
 - 18.4. METAL STRUCTURE: STEEL 18GA (.048") FY=33KSI/FU=52KSI
19. MAXIMUM DOOR PANEL AND SIDELITE SASH SIZE = 35 3/4" X 83"
20. UNITS MAY BE INSTALLED WITH EITHER SCHALGE F-SERIES DOOR KNOB AND B-SERIES OR F-SERIES DEADBOLT OR EMTEK RESIDENTIAL GRADE DOOR HANDLE ASSEMBLY OR MULTI-POINT LOCK HANDLE ASSEMBLY BY TRILENNIUM, SEE HARDWARE SCHEDULE SHEET 3 FOR APPROVED HARDWARE.

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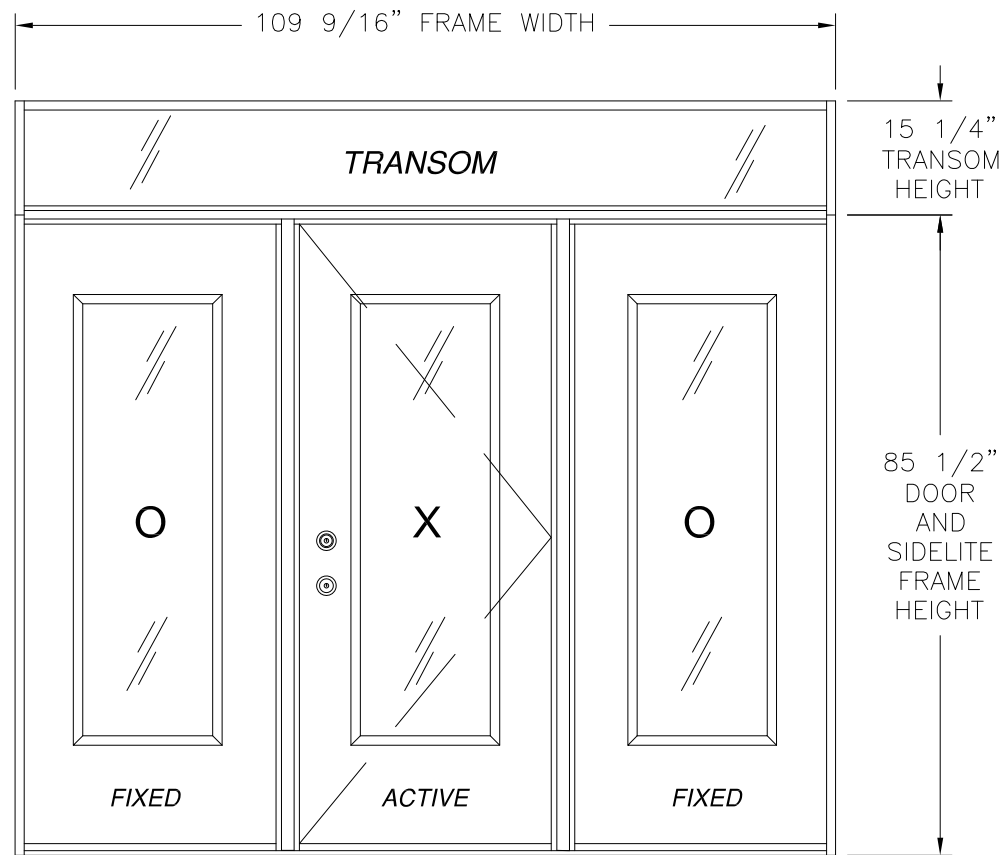
PROVIA, LLC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
SIGNET INSWING GLAZED FIBERGLASS PATIO DOOR W/ AND W/OUT SIDELITES AND TRANSOM NOTES		
DRAWN: TJH	DWG NO. 08-00712	REV N
SCALE NTS	DATE 03/31/09	SHEET 1 OF 12
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

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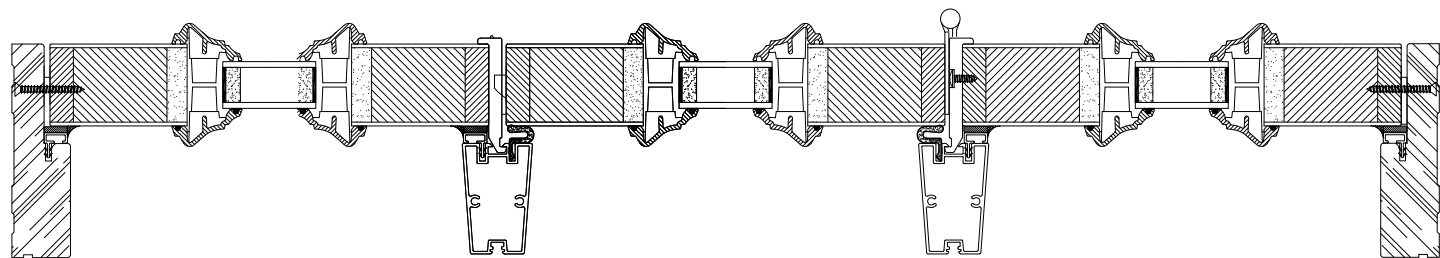


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- NOTES:
1. DOOR PANEL SIZE: 35 3/4" X 83"
 2. SIDELITE PANEL SIZE: 35 3/4" X 83"
 3. DOOR PANEL D.L.O.: 21 1/4" X 63 1/4"
 4. SIDELITE PANEL D.L.O.: 21 1/4" X 63 1/4"
 5. TRANSOM D.L.O.: 107 1/16" X 12 3/4"



HORIZONTAL CROSS SECTION

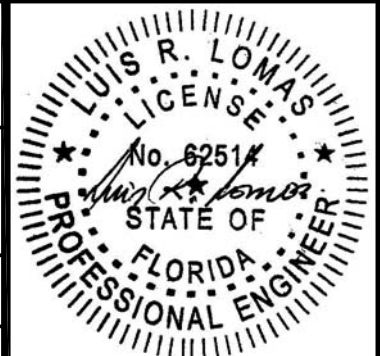
SIGNET INSWING FIBERGLASS SINGLE DOOR W/ SIDELITES AND TRANSOM
EXTERIOR VIEW

DESIGN PRESSURE RATING	IMPACT RATING
+45PSF / -50PSF	NONE
THIS SYSTEM WAS NOT TESTED FOR WATER INFILTRATION AND IS TO BE INSTALLED ONLY WHERE THE WATER REQUIREMENT IS NOT NEEDED	

HARDWARE SCHEDULE
A. F-SERIES ASSEMBLY DOOR KNOB BY SCHLAGE.
B. B-SERIES DEADBOLT ASSEMBLY BY SCHLAGE
C. F-SERIES DEADBOLT ASSEMBLY BY SCHLAGE
D. EMTEK RESIDENTIAL GRADE DOOR HANDLE ASSEMBLY (ALTERNATE)
E. TRILLENIUM MULTI-POINT LOCK HANDLE ASSEMBLY (ALTERNATE)
F. PANOLOCK MULTI-POINT LOCK ASSEMBLY (ALTERNATE)
G. (2) EXTRUDED ALUMINUM MULLION BY PROVIA DOOR, INC.
H. (3) 4" X 4" BALL BEARING HINGES BY PENROD
I. (3) 4" X 4" SPRING BOMMER HINGES BY PENROD

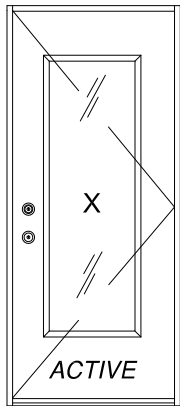
PROVIA, LLC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
SIGNET INSWING GLAZED FIBERGLASS PATIO DOOR W/ AND W/OUT SIDELITES AND TRANSOM INSWING ELEVATION		
DRAWN: TJH	DWG NO. 08-00712	REV N
SCALE NTS	DATE 03/31/09	SHEET 2 OF 12
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

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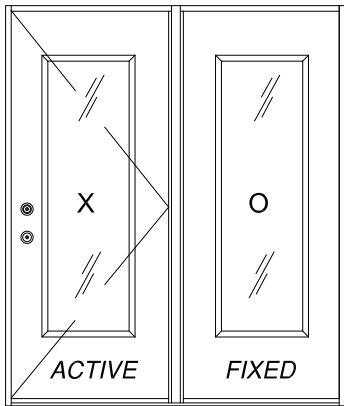


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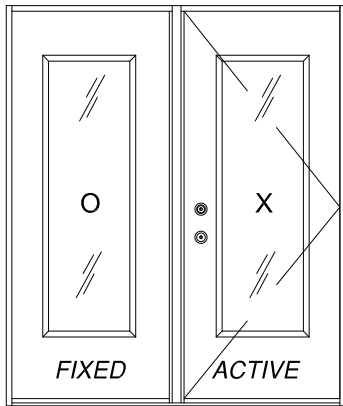
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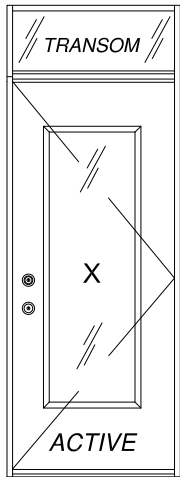
SINGLE



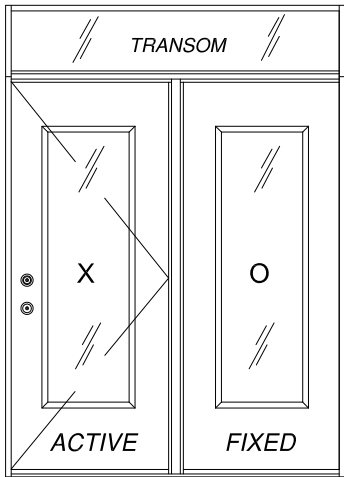
SINGLE W/SIDELITE



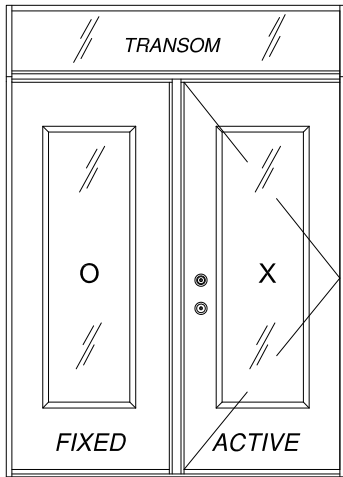
SINGLE W/SIDELITE



SINGLE W/TRANSOM



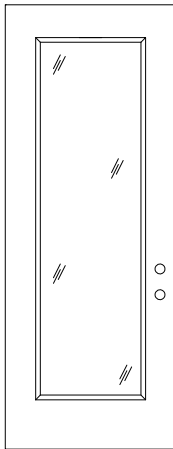
SINGLE W/SIDELITE & TRANSOM



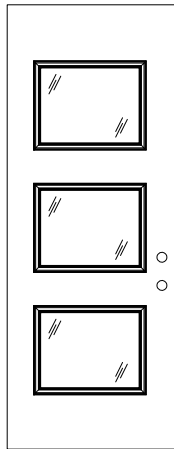
SINGLE W/SIDELITE & TRANSOM

NOTE:
ALL APPROVED CONFIGURATIONS ARE SHOWN
AS RIGHT HAND ACTIVE, LEFT HAND ACTIVE
IS ALSO APPROVED.

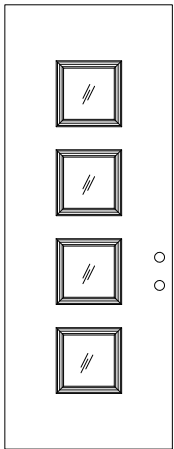
APPROVED LITE CONFIGURATIONS



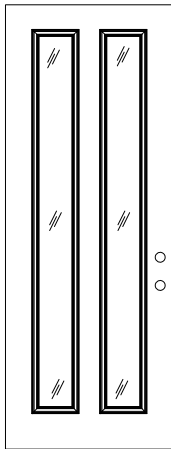
FULL LITE



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 9.2 FT²

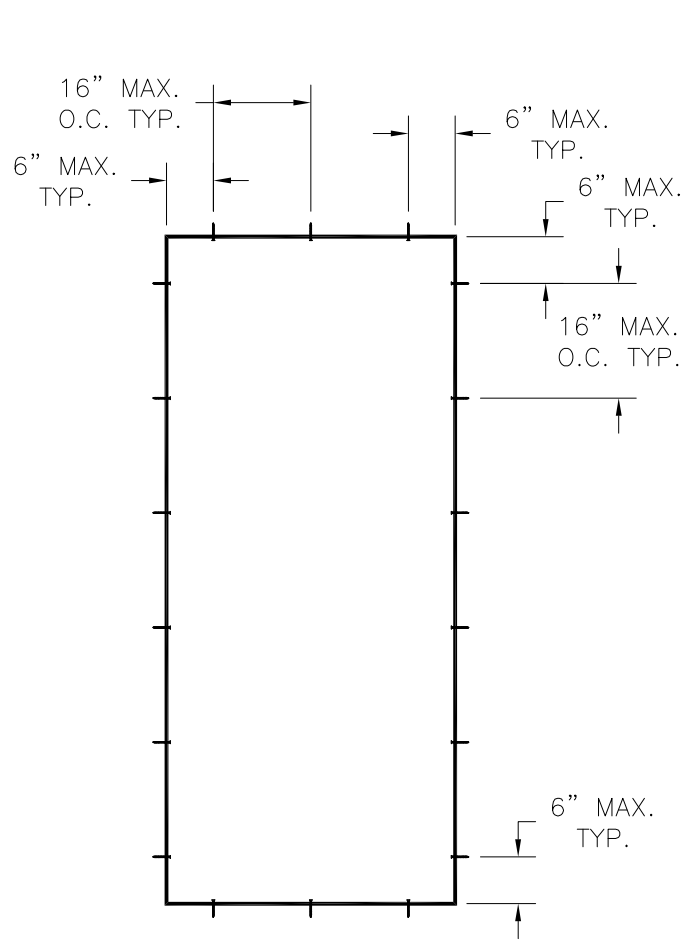
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SIGNET INSWING GLAZED FIBERGLASS PATIO DOOR W/ AND W/OUT SIDELITES AND TRANSOM ADDITIONAL CONFIGURATIONS & HARDWARE		
DRAWN: TJH	DWG NO. 08-00712	REV N
SCALE NTS	DATE 03/31/09	SHEET 3 OF 12
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

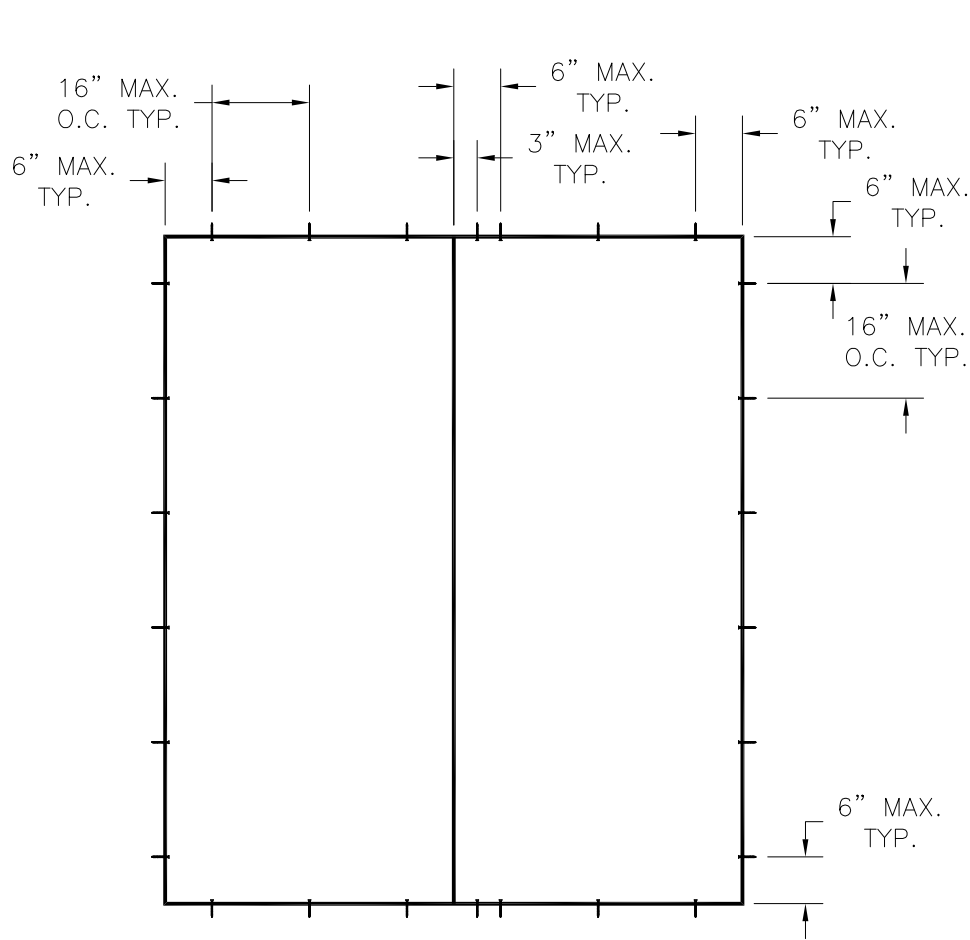


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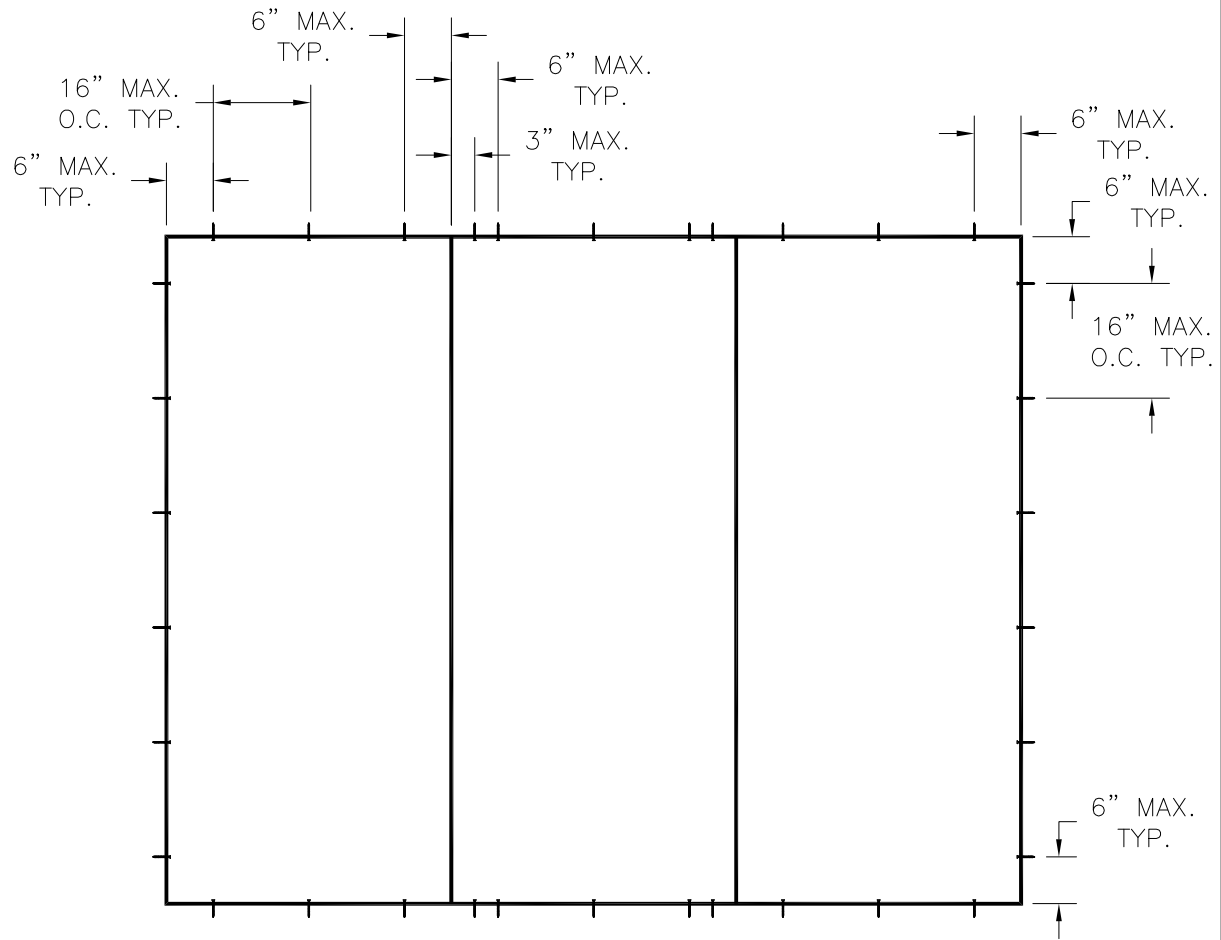
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SINGLE



SINGLE W/SIDELITE



SINGLE W/SIDELITES

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SIGNET INSWING GLAZED FIBERGLASS PATIO DOOR
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ANCHORING LAYOUTS WITHOUT TRANSOMS

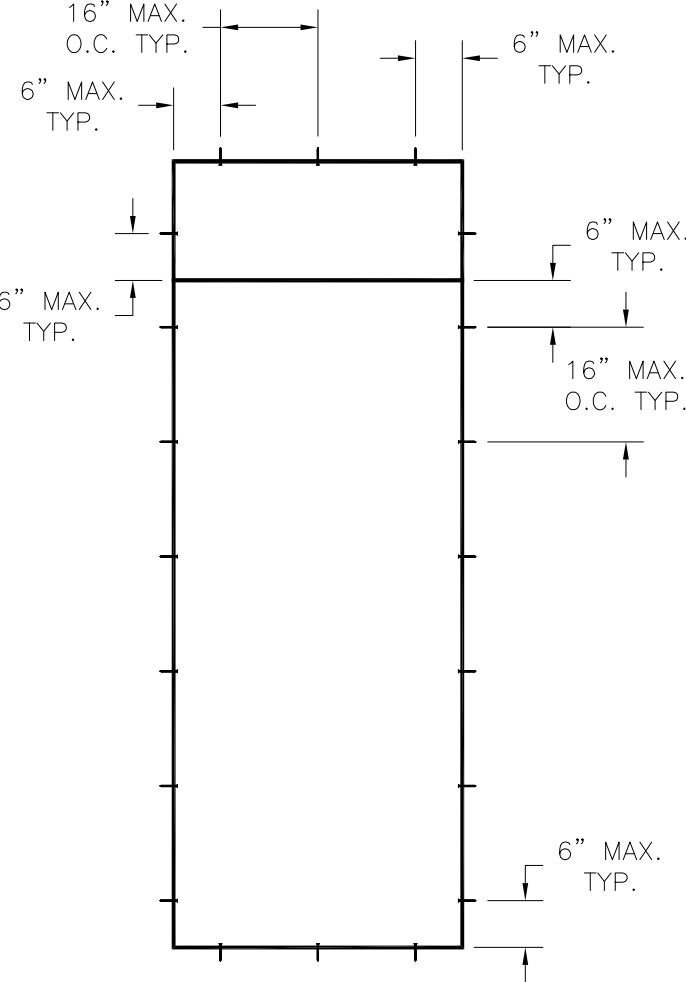
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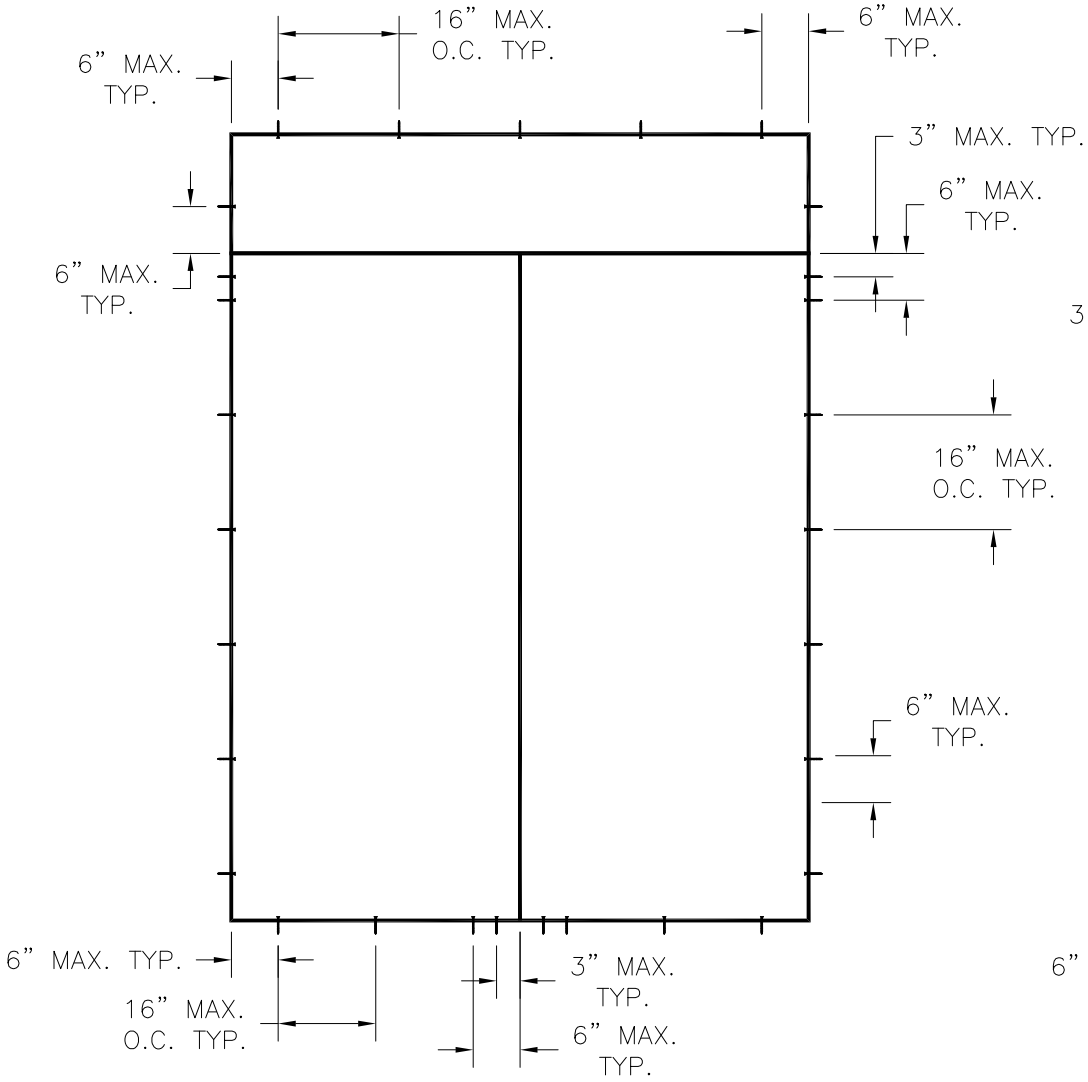


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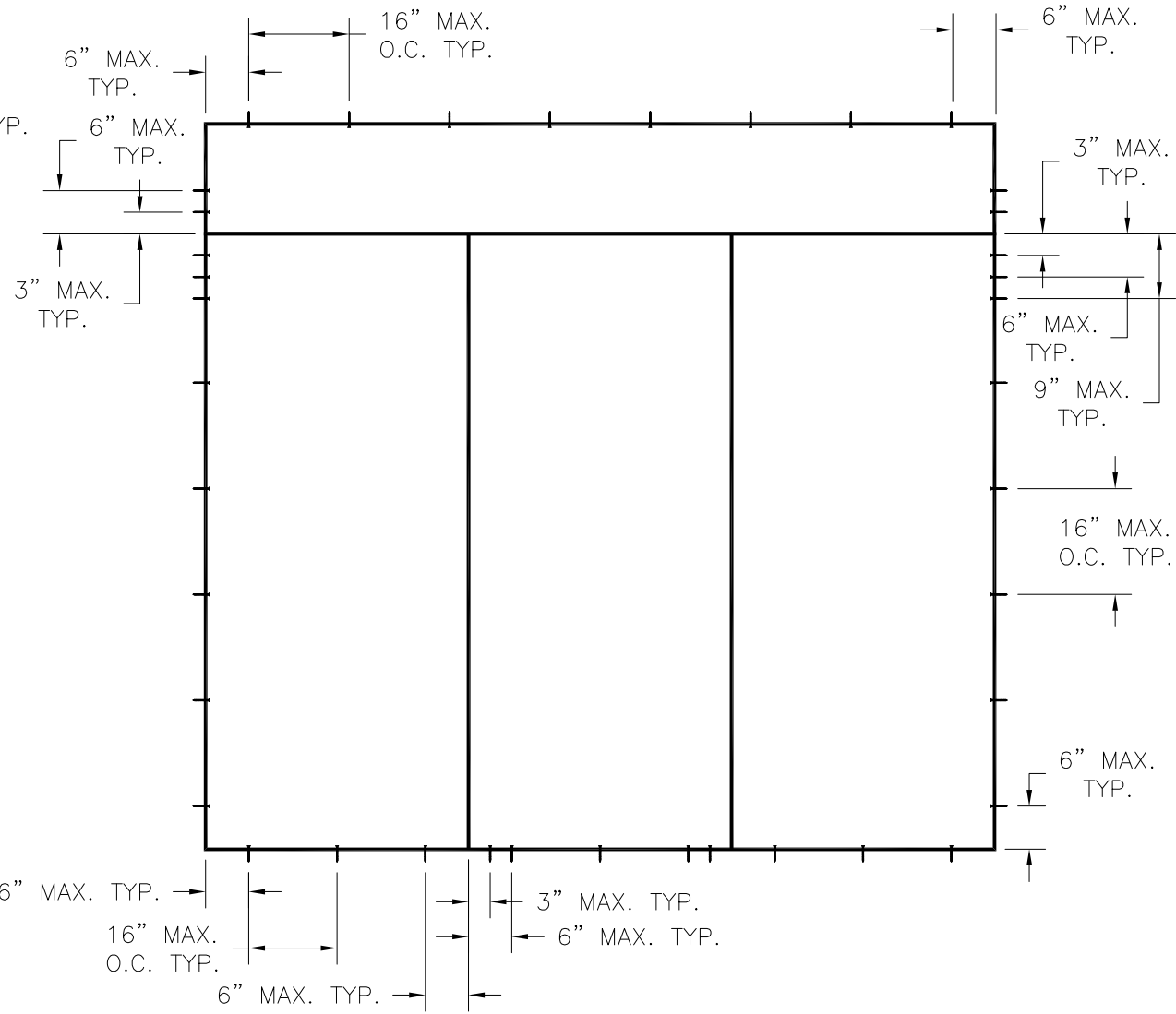
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SINGLE WITH TRANSOM



SINGLE W/SIDELITE & TRANSOM



SINGLE W/SIDELITES & TRANSOM

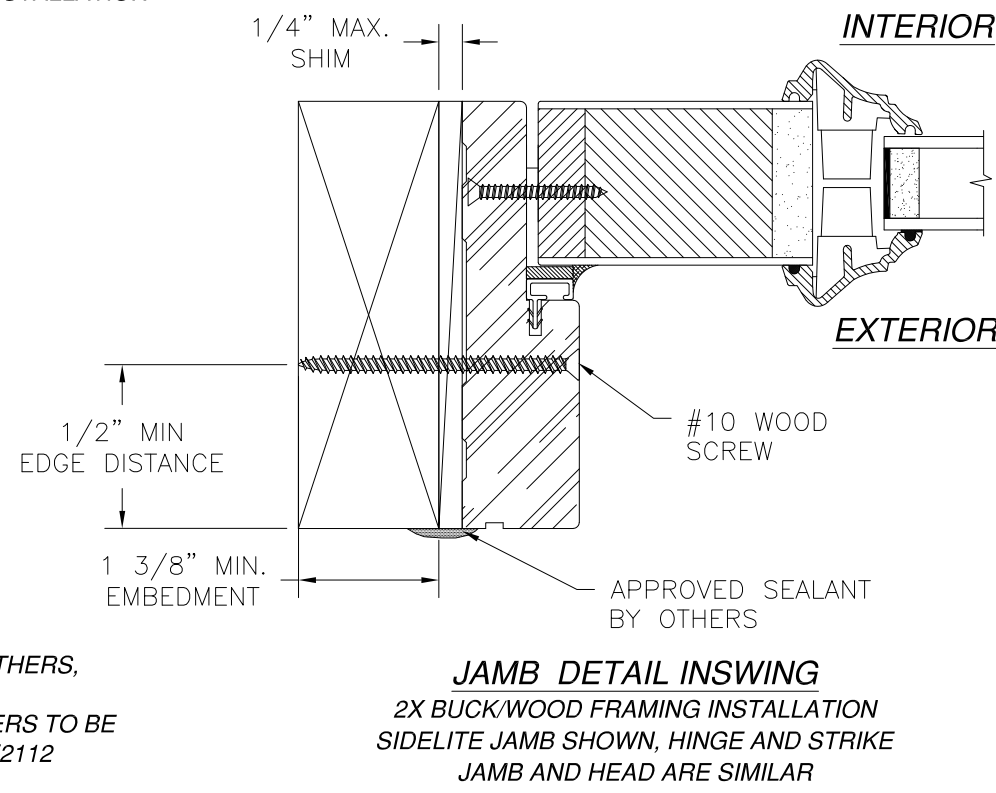
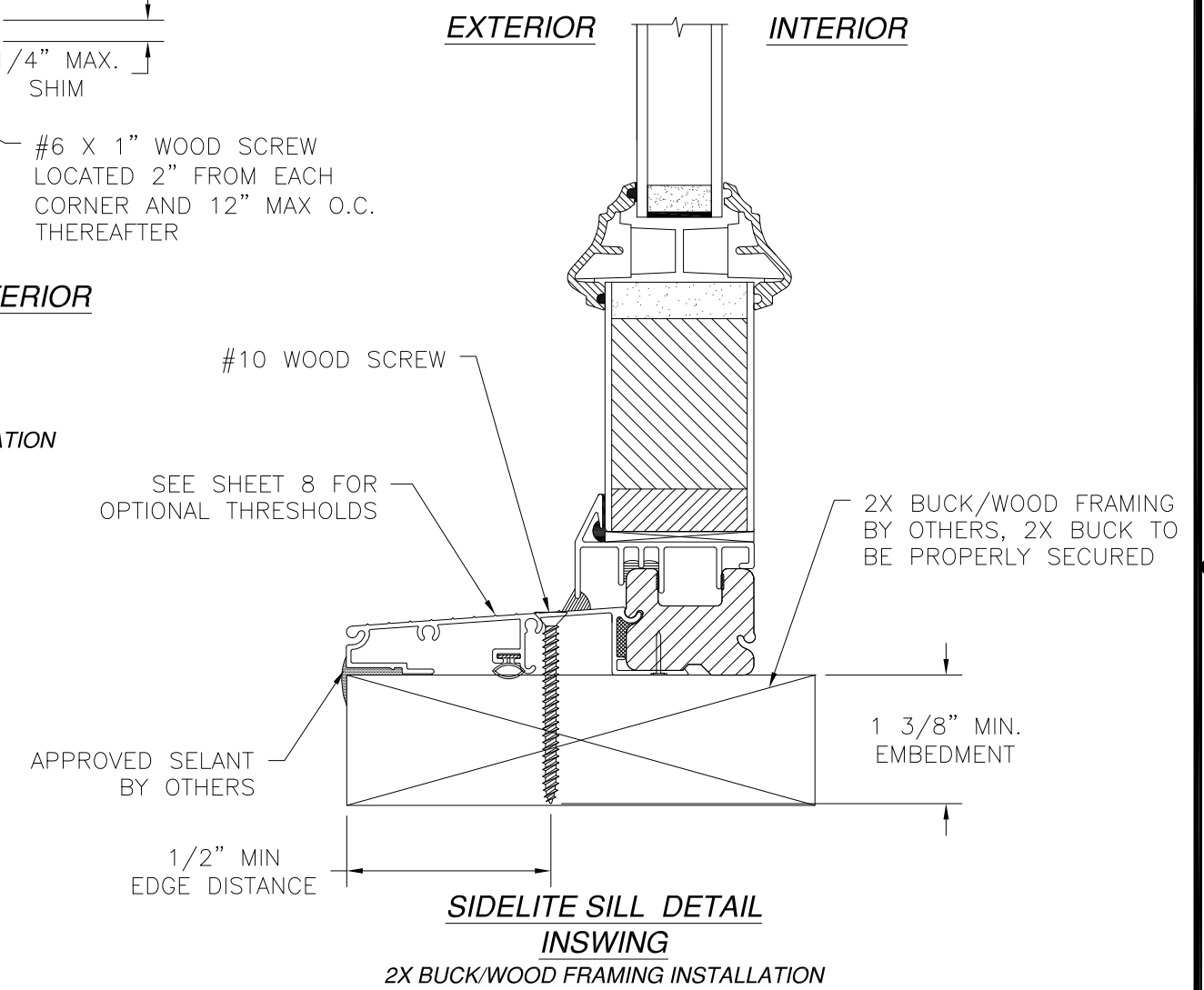
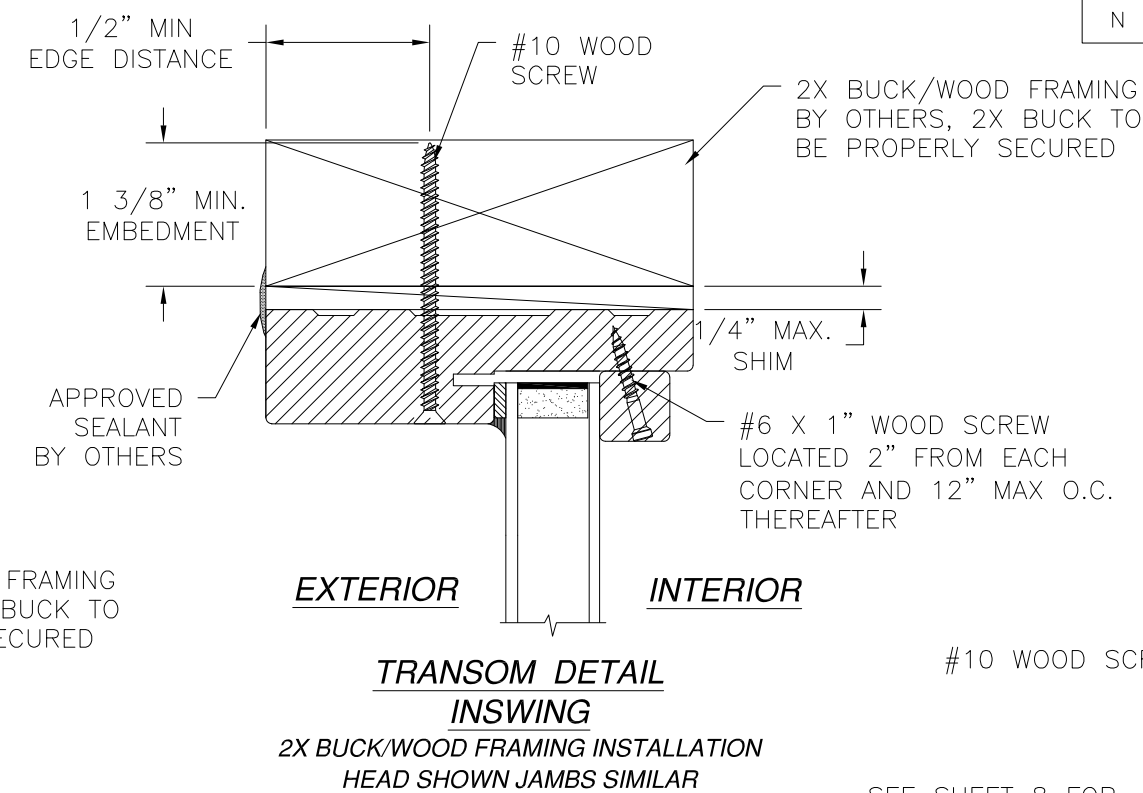
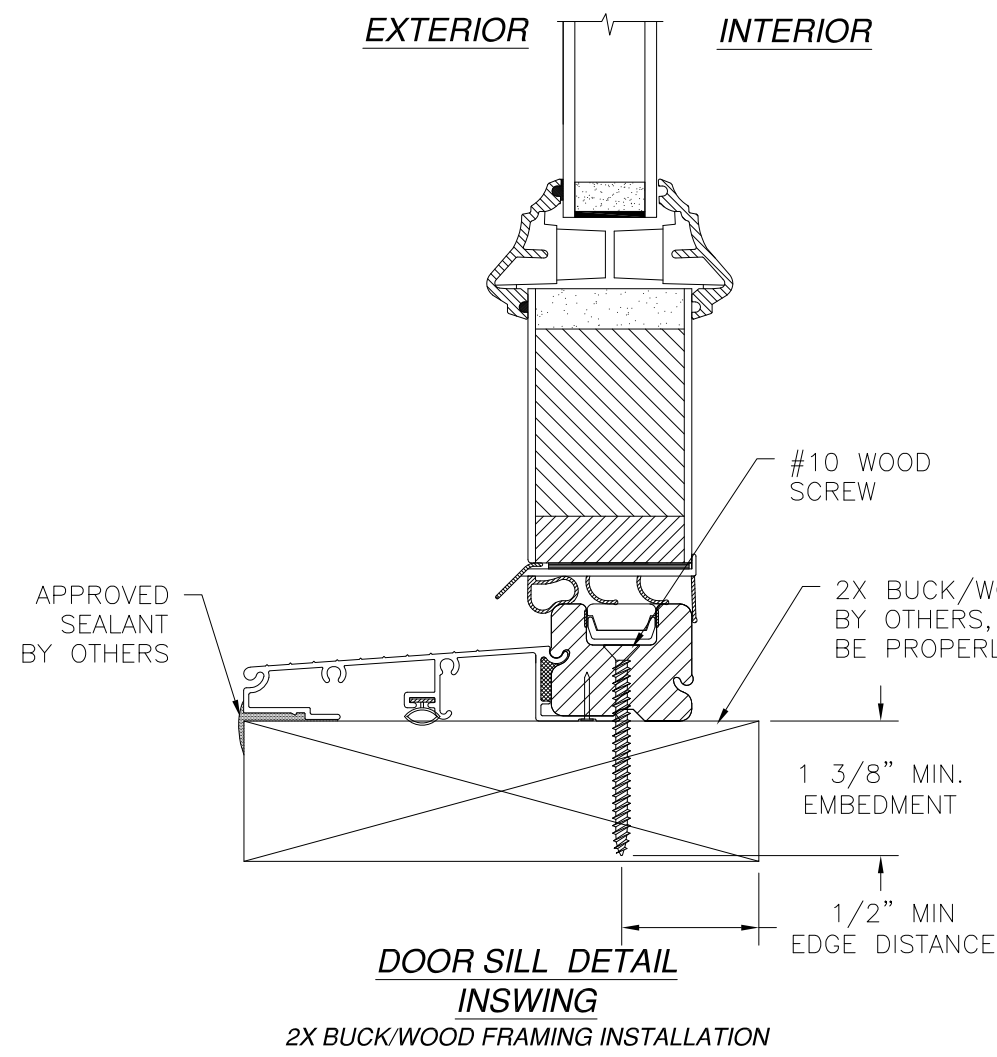
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SIGNET INSWING GLAZED FIBERGLASS PATIO DOOR W/ AND W/OUT SIDELITES AND TRANSOM ANCHORING LAYOUTS WITH TRANSOMS		
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- NOTES:
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 2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112

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INSTALLATION DETAILS

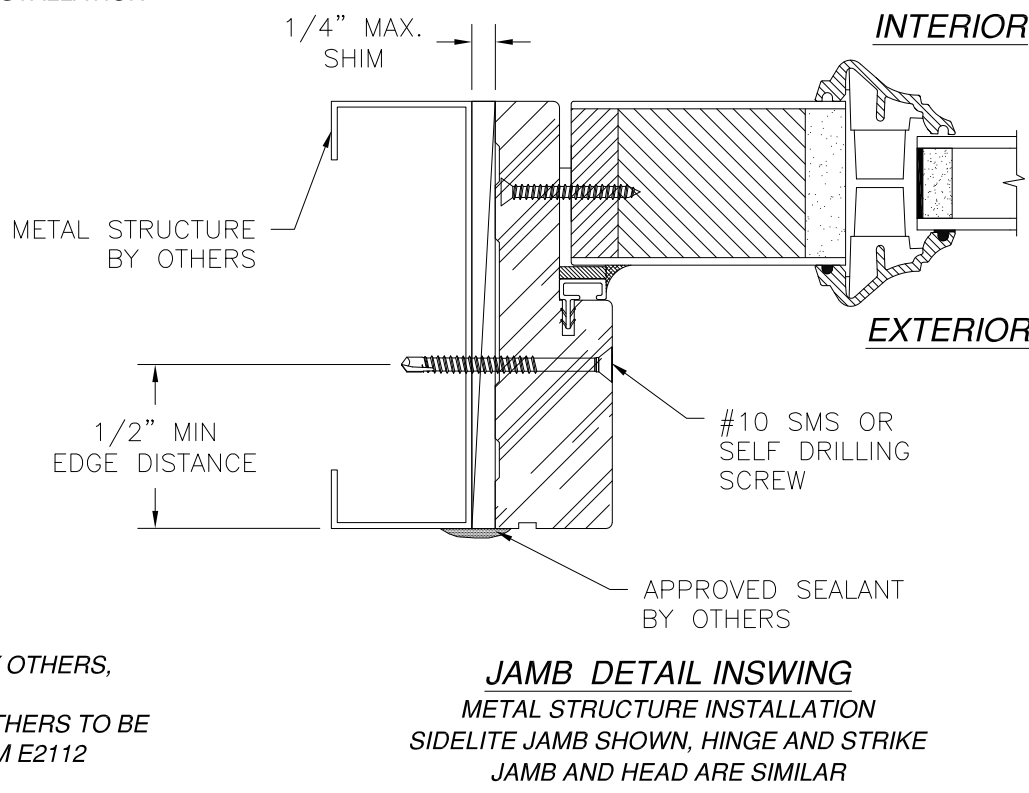
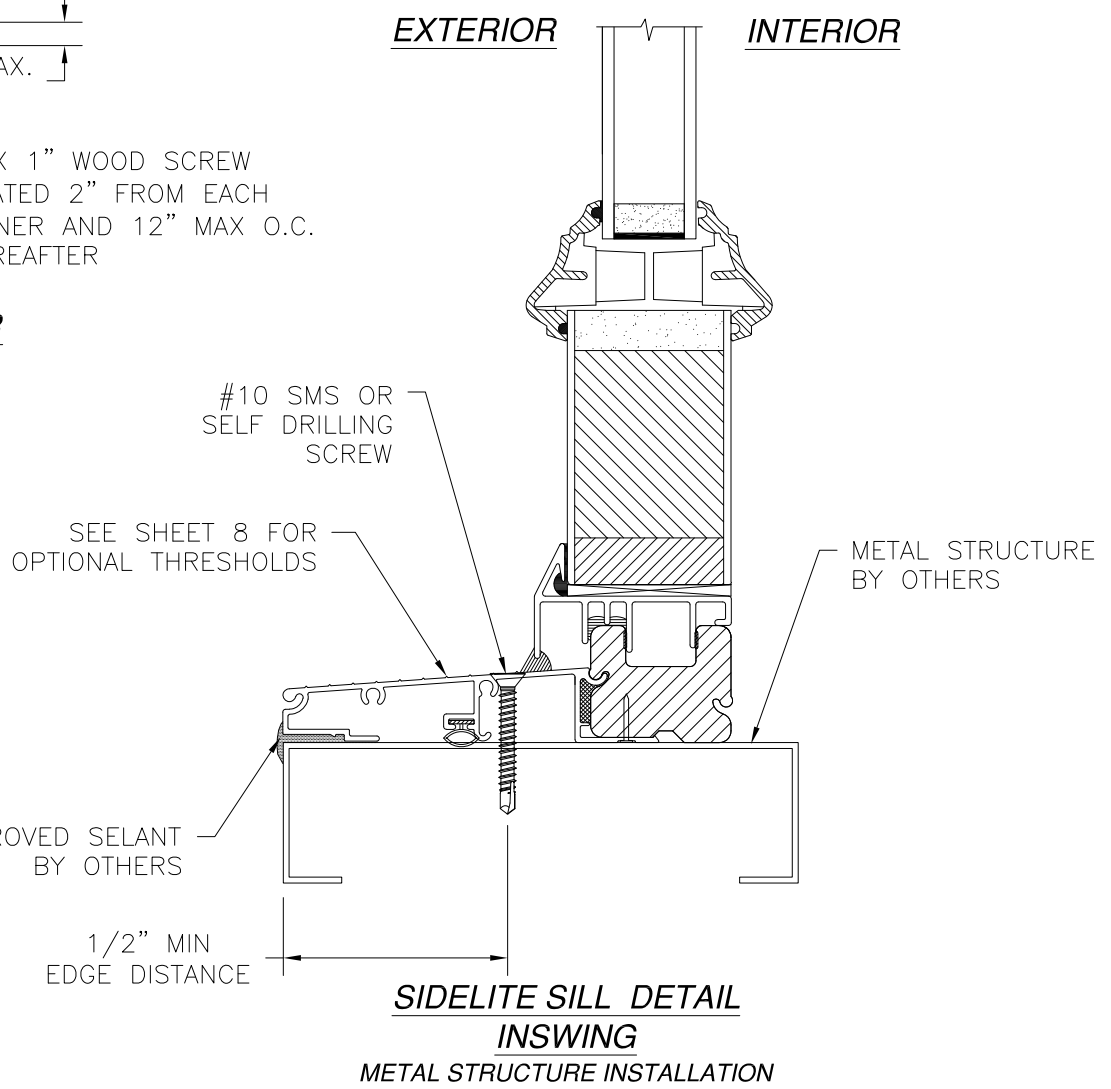
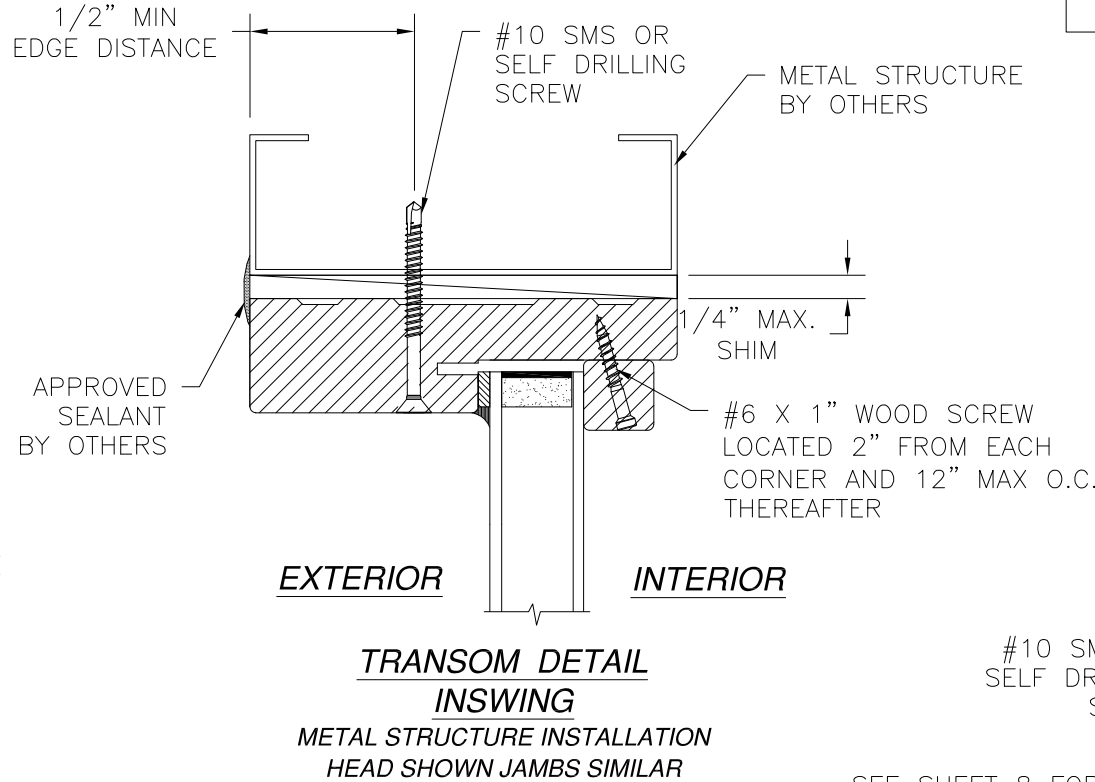
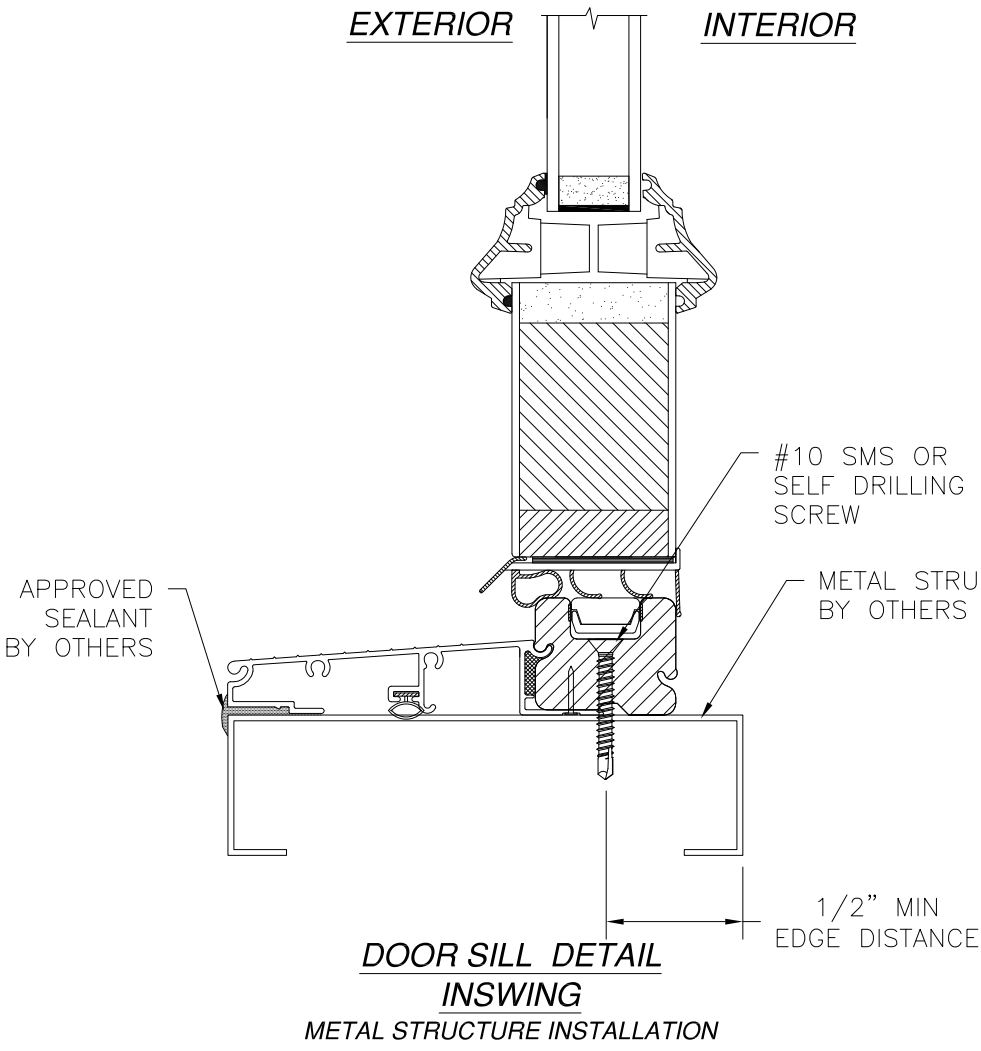
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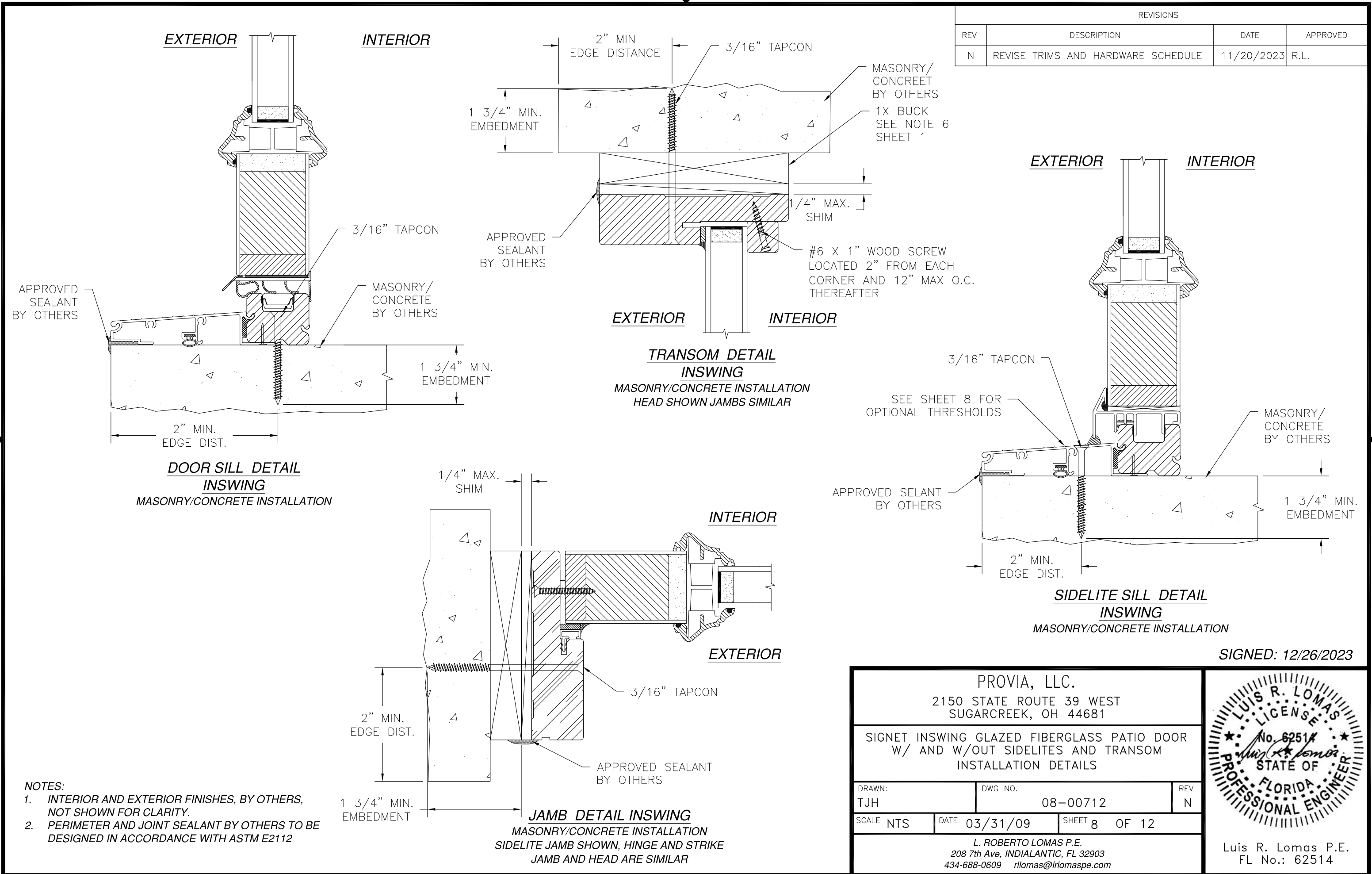
SIGNET INSWING GLAZED FIBERGLASS PATIO DOOR
W/ AND W/OUT SIDELITES AND TRANSOM
INSTALLATION DETAILS

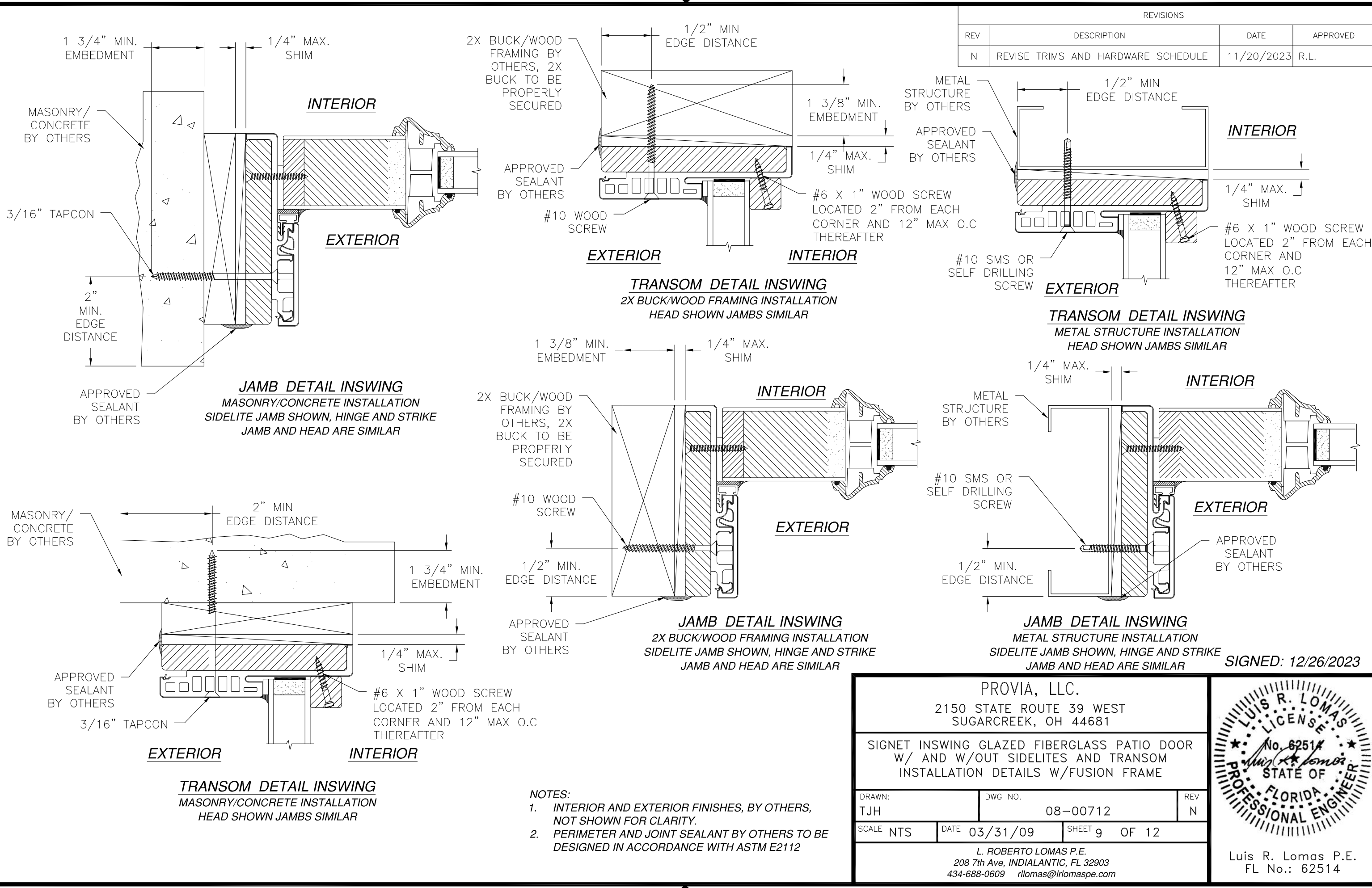
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W/ AND W/OUT SIDELITES AND TRANSOM
INSTALLATION DETAILS W/FUSION FRAME

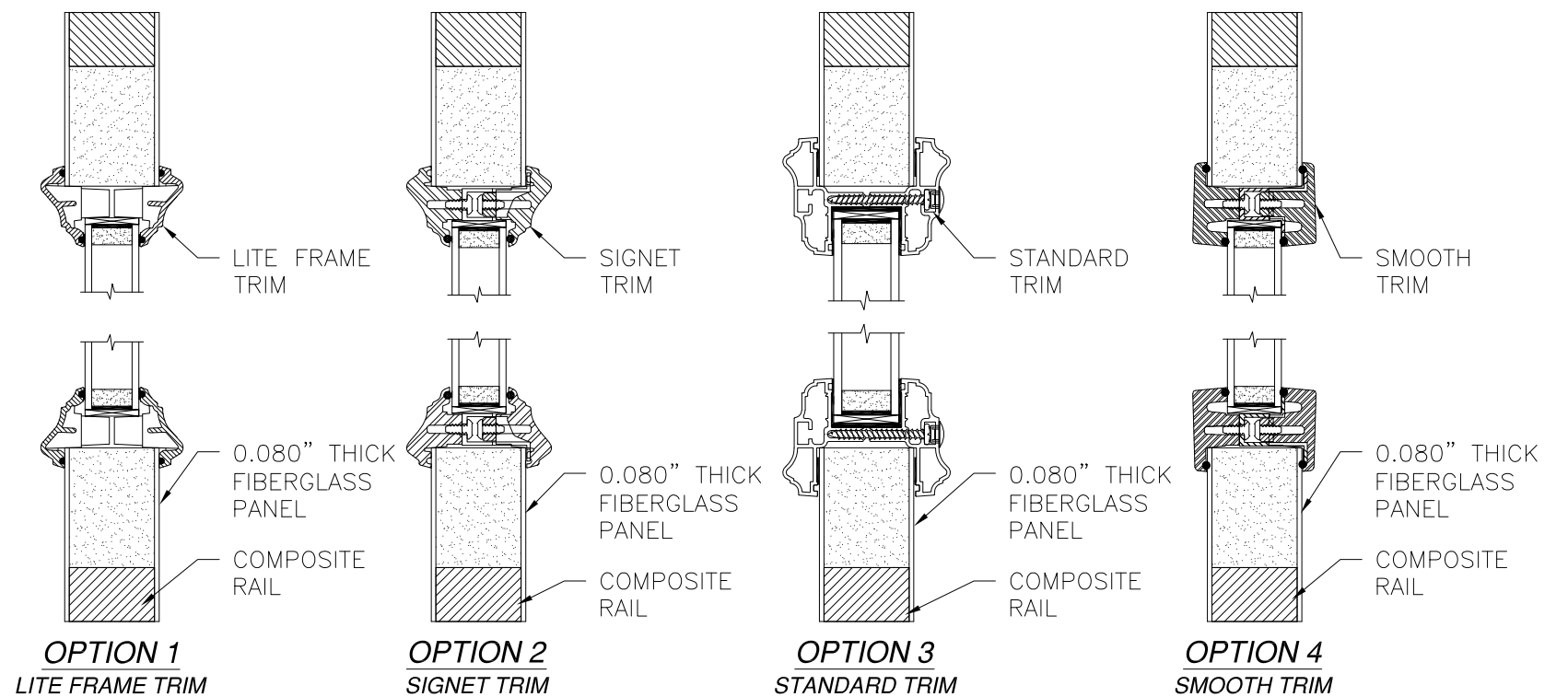
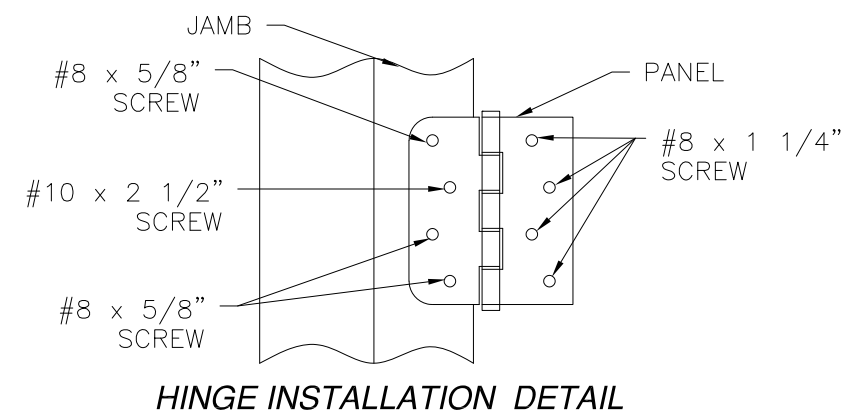
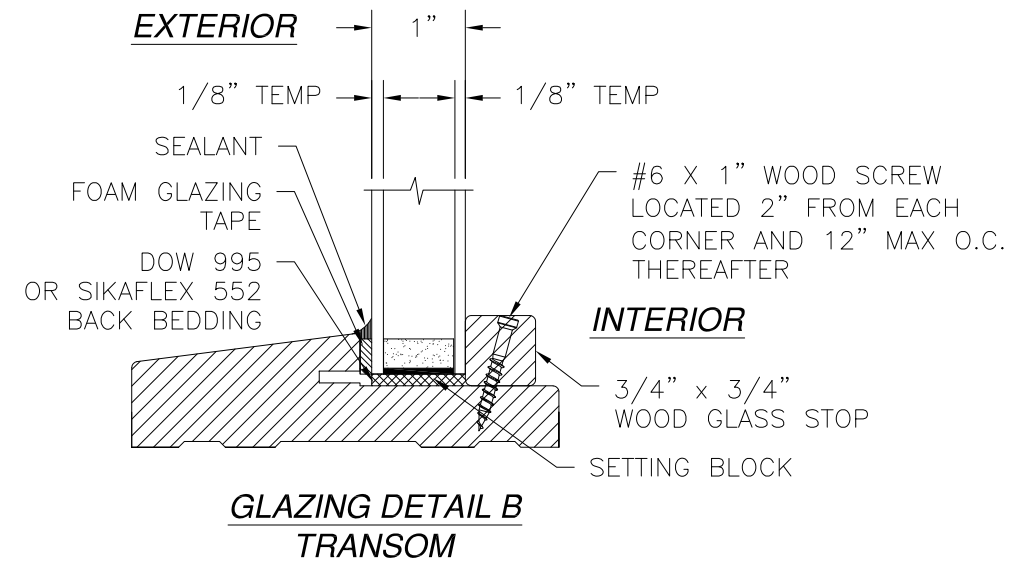
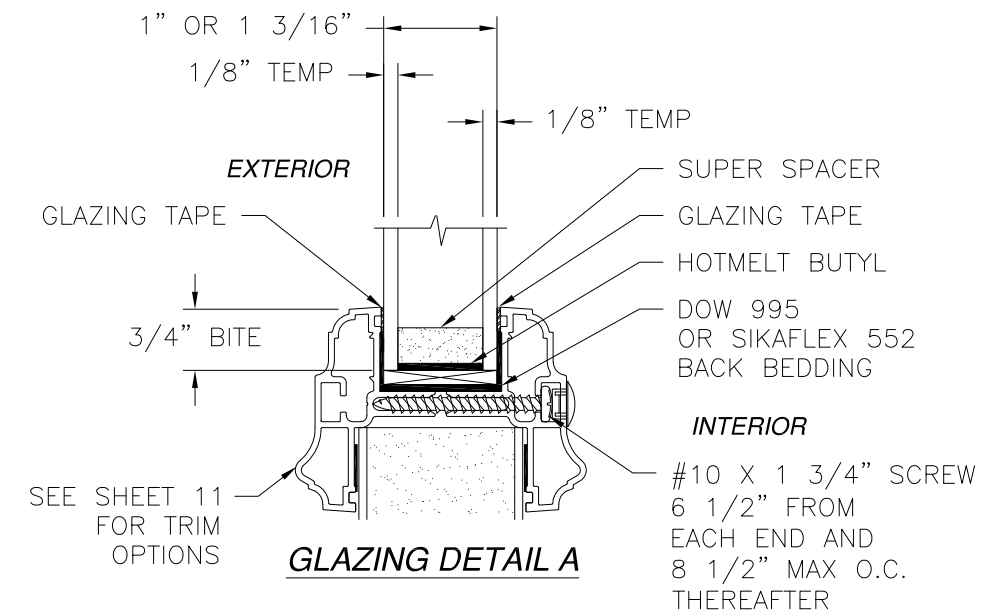
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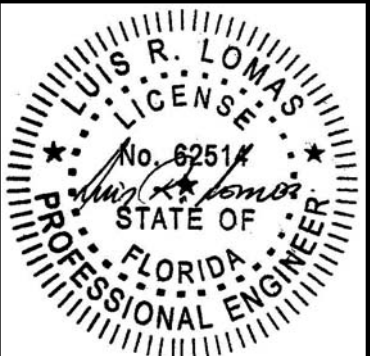
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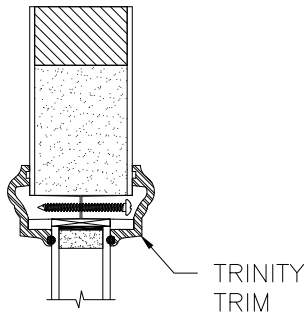
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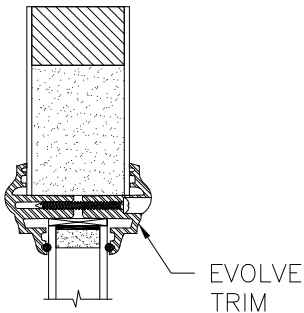


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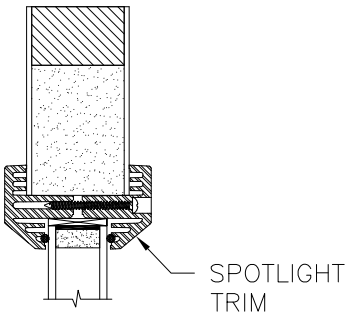
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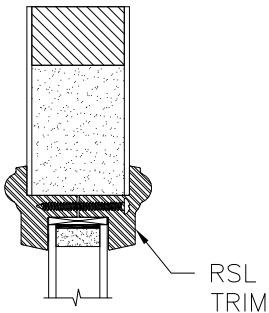
TRINITY TRIM



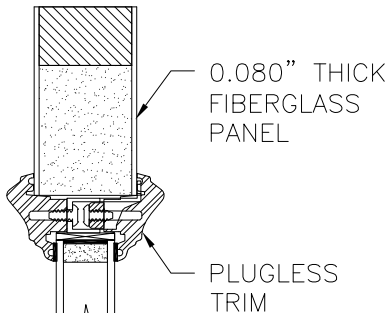
EVOLVE TRIM



SPOTLIGHT TRIM

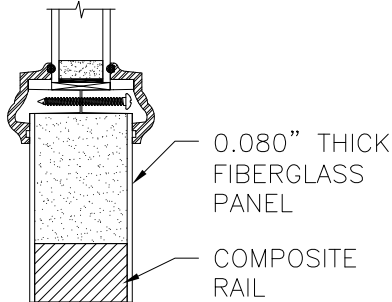


RSL TRIM



0.080" THICK FIBERGLASS PANEL

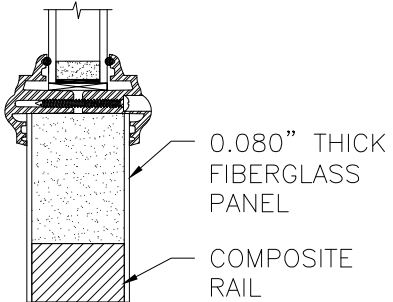
PLUGLESS TRIM



0.080" THICK FIBERGLASS PANEL

COMPOSITE RAIL

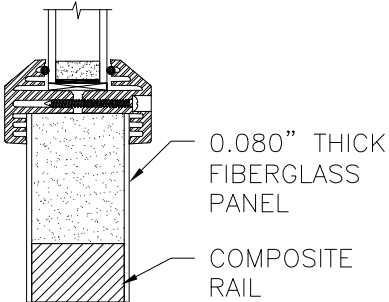
OPTION 5
TRINITY TRIM



0.080" THICK FIBERGLASS PANEL

COMPOSITE RAIL

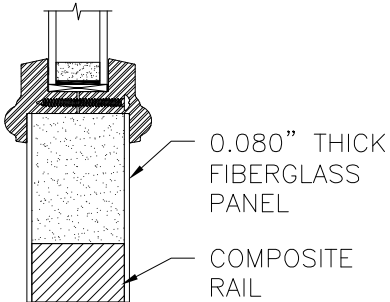
OPTION 6
EVOLVE TRIM



0.080" THICK FIBERGLASS PANEL

COMPOSITE RAIL

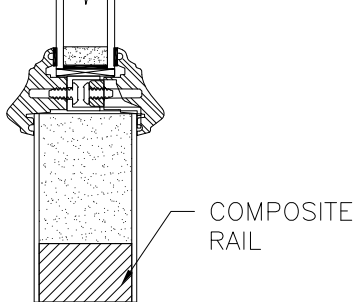
OPTION 7
SPOTLIGHT TRIM



0.080" THICK FIBERGLASS PANEL

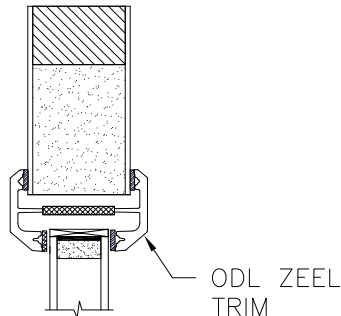
COMPOSITE RAIL

OPTION 8
RSL TRIM

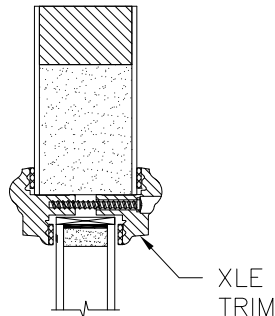


COMPOSITE RAIL

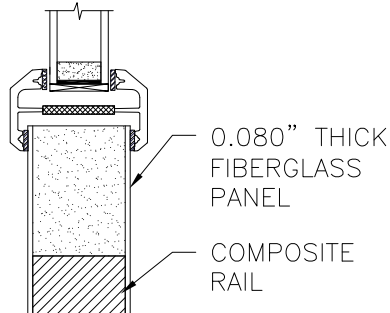
OPTION 9
PLUGLESS TRIM
W/TAPE



ODL ZEEL TRIM



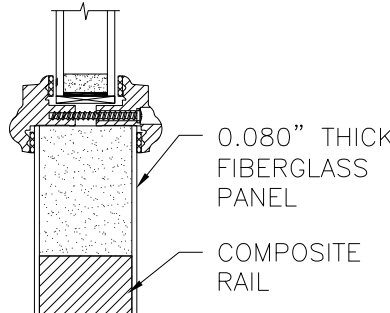
XLE TRIM



0.080" THICK FIBERGLASS PANEL

COMPOSITE RAIL

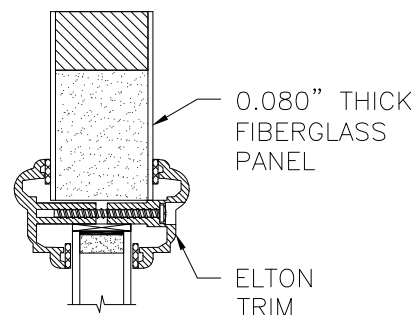
OPTION 14
ODL ZEEL TRIM



0.080" THICK FIBERGLASS PANEL

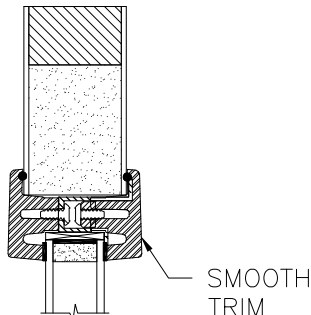
COMPOSITE RAIL

OPTION 15
XLE TRIM

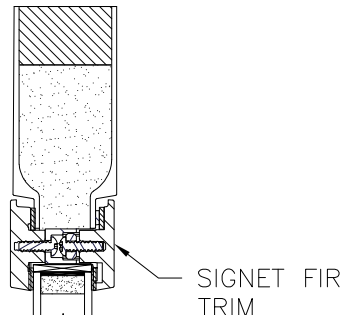


0.080" THICK FIBERGLASS PANEL

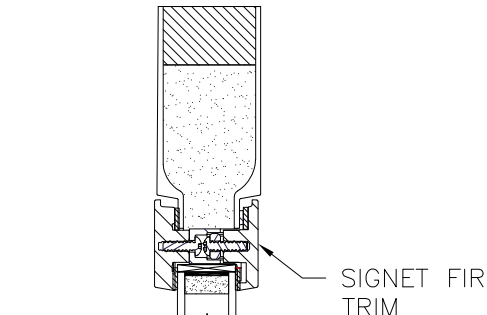
ELTON TRIM



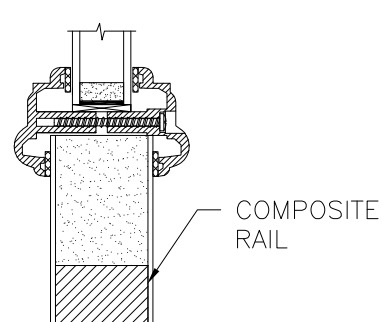
SMOOTH TRIM



SIGNET FIR TRIM

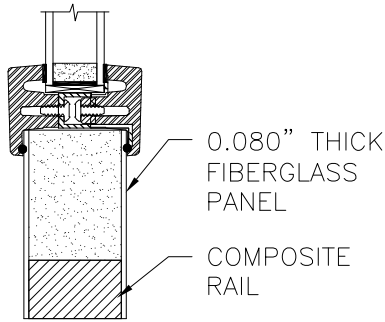


SIGNET FIR TRIM



COMPOSITE RAIL

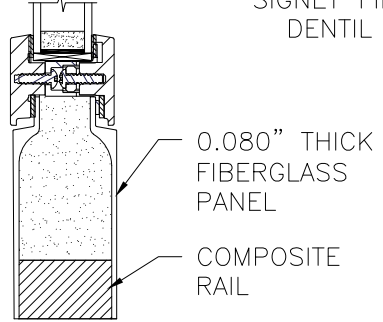
OPTION 10
ELTON TRIM



0.080" THICK FIBERGLASS PANEL

COMPOSITE RAIL

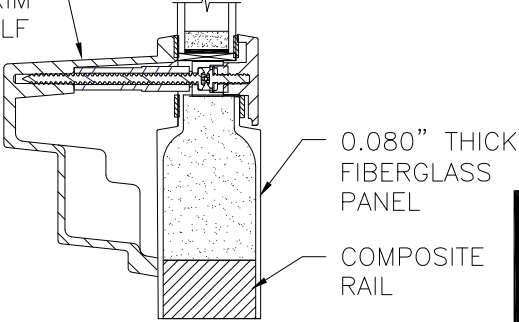
OPTION 11
SMOOTH TRIM
W/TAPE



0.080" THICK FIBERGLASS PANEL

COMPOSITE RAIL

OPTION 12
SIGNET FIR TRIM



0.080" THICK FIBERGLASS PANEL

COMPOSITE RAIL

OPTION 13
SIGNET FIR &
DENTIL SHELF TRIM

APPROVED SLABS AND TRIMS

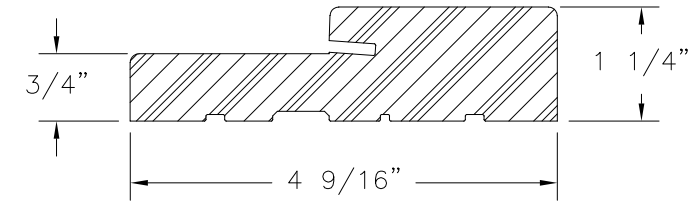
PROVIA, LLC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
SIGNET INSWING GLAZED FIBERGLASS PATIO DOOR W/ AND W/OUT SIDELITES AND TRANSOM APPROVED SLABS AND TRIMS		
DRAWN: TJH	DWG NO. 08-00712	REV N
SCALE NTS	DATE 03/31/09	SHEET 11 OF 12
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

SIGNED: 12/26/2023

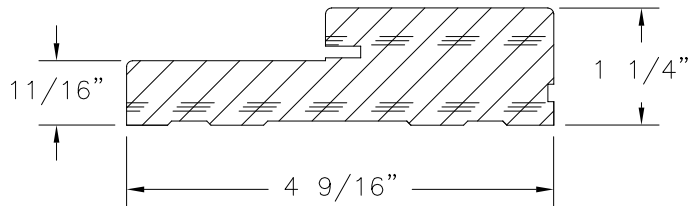


Luis R. Lomas P.E.
FL No.: 62514

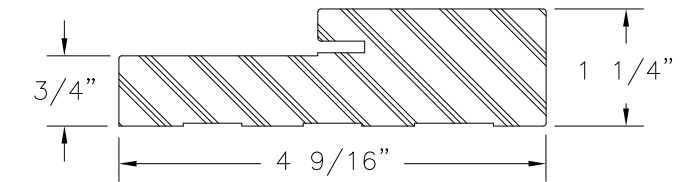
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
N	REVISE TRIMS AND HARDWARE SCHEDULE	11/20/2023	R.L.



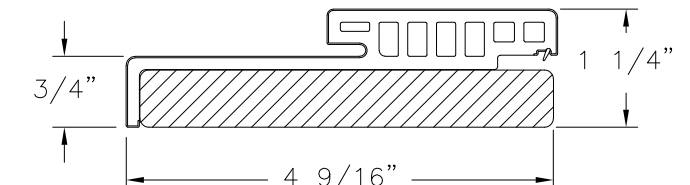
FRAMESAVER
COMPOSITE



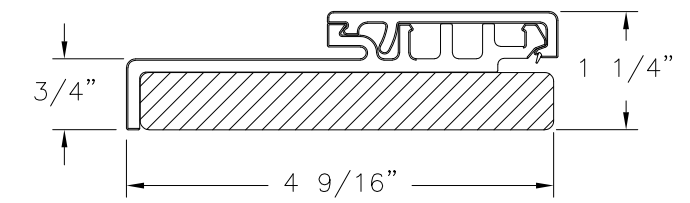
FRAME
WOOD G.46 MIN.



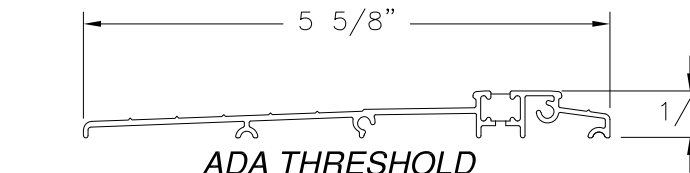
FRAME
COMPOSITE



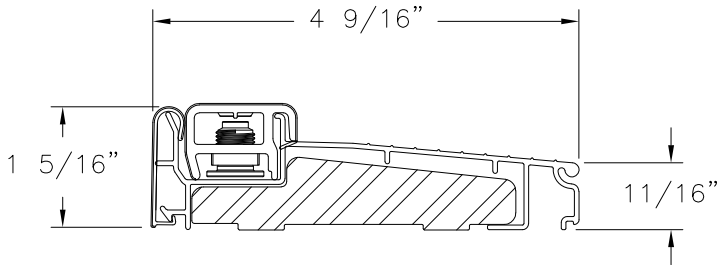
HYBRID HEAD
WOOD/COMPOSITE



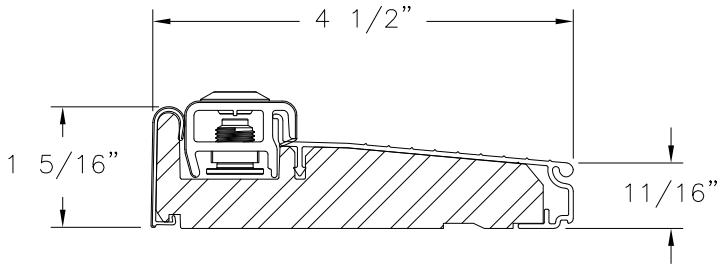
HYBRID JAMB
WOOD/COMPOSITE



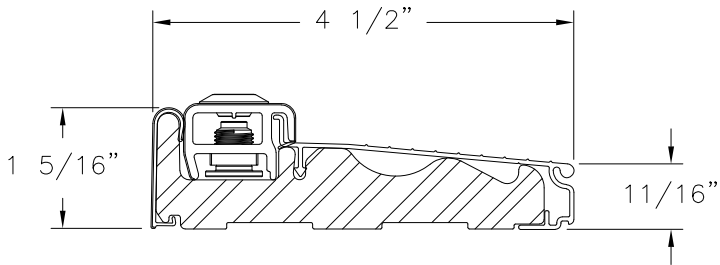
ADA THRESHOLD



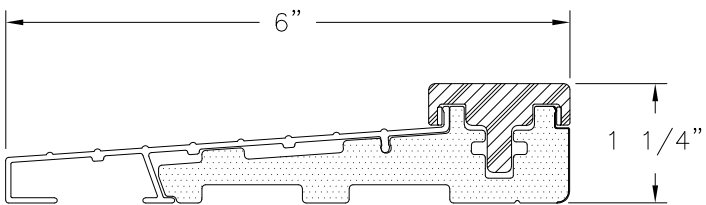
INSWING SILL ZAIL4565



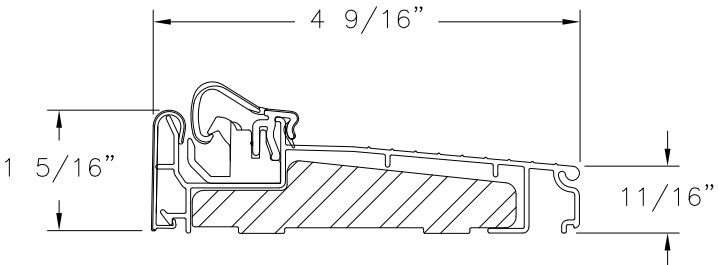
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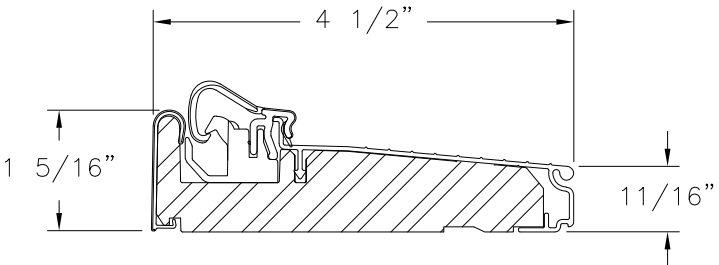
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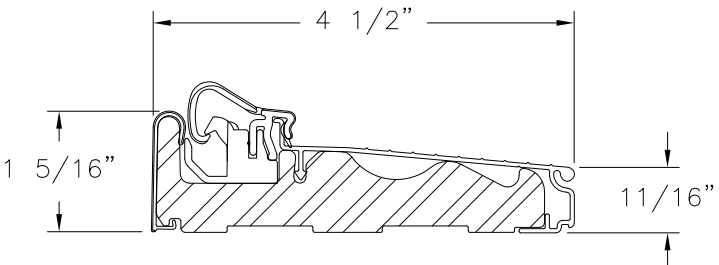
STANDARD INSWING SILL



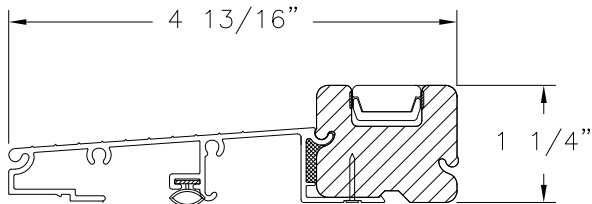
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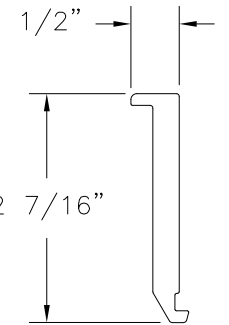
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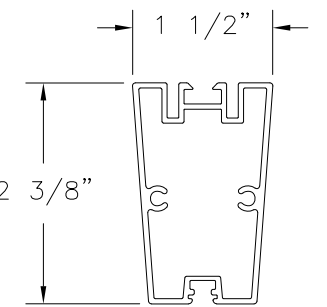
INSWING SILL ZACLH4565



INSWING SILL



PVC MULLION SPACER



ALUMINUM MULLION

SIGNED: 12/26/2023

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

SIGNET INSWING GLAZED FIBERGLASS PATIO DOOR
W/ AND W/OUT SIDELITES AND TRANSOM
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DRAWN: TJH	DWG NO. 08-00712	REV N
SCALE NTS	DATE 03/31/09	SHEET 12 OF 12

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