

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
0	REVISED HARDWARE SCHEDULE	09/14/26	R.L.

NOTES:

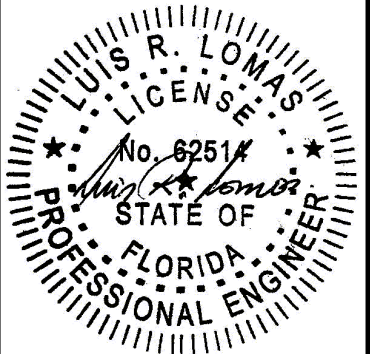
1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE FLORIDA BUILDING CODE.
2. WOOD AND METAL FRAMING AND MASONRY OPENING TO BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO STRUCTURE. FRAMING AND MASONRY OPENING IS THE RESPONSIBILITY OF THE ARCHITECT 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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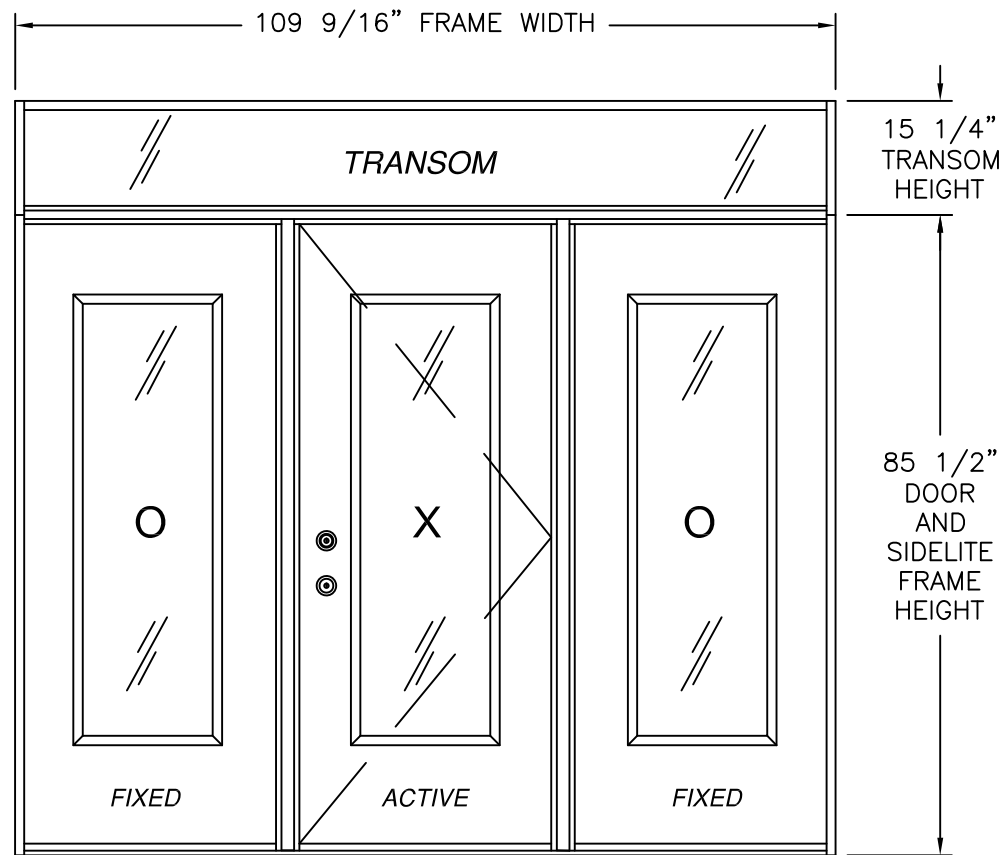
PROVIA, LLC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
SIGNET INSWING GLAZED FIBERGLASS PATIO DOOR W/ AND W/OUT SIDELITES AND TRANSOM NOTES		
DRAWN: TJH	DWG NO. 08-00712	REV 0
SCALE NTS	DATE 03/31/09	SHEET 1 OF 12
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

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

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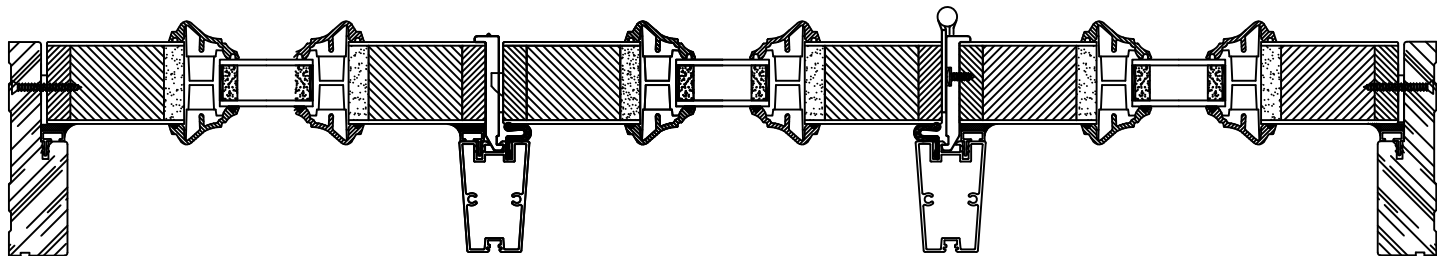


SIGNET INSWING FIBERGLASS SINGLE DOOR W/ SIDELITES AND TRANSOM
EXTERIOR VIEW

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 & FC-SERIES LOCK ASSEMBLY DOOR KNOB BY SCHLAGE
B.	B-SERIES DEADBOLT ASSEMBLY BY SCHLAGE
C.	F-SERIES & FC-SERIES DEADBOLT ASSEMBLY BY SCHLAGE
D.	RESIDENTIAL GRADE DOOR HANDLE ASSEMBLY BY EMTEK (ALTERNATE)
E.	MULTI-POINT 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)
H.	(2) EXTRUDED ALUMINUM MULLION BY PROVIA DOOR, INC.

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



HORIZONTAL CROSS SECTION

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

DRAWN:
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08-00712

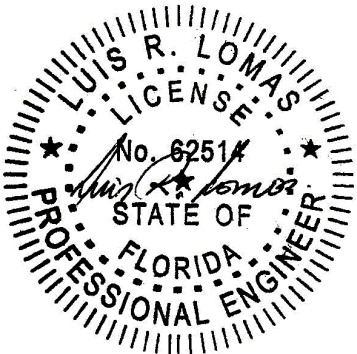
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03/31/09

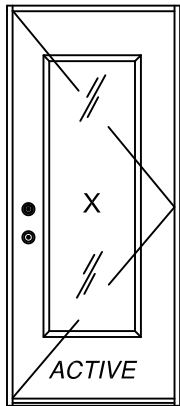
SHEET
2 OF 12

L. ROBERTO LOMAS P.E.
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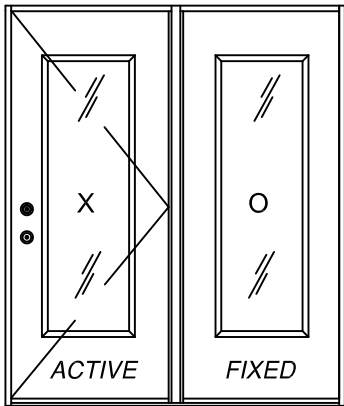


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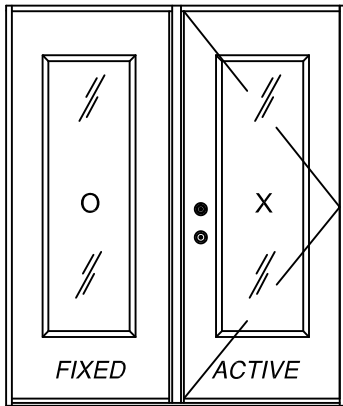
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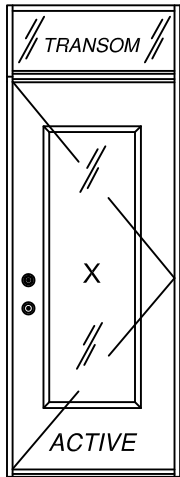
SINGLE



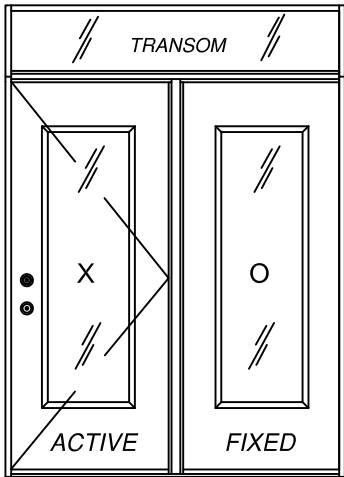
SINGLE W/SIDELITE



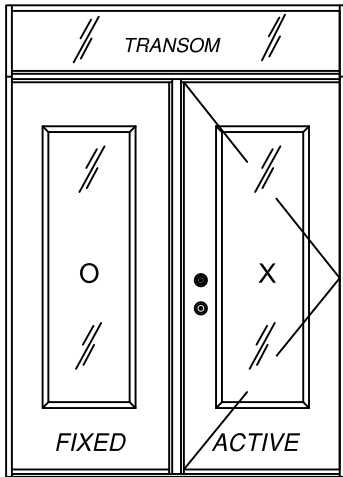
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SINGLE W/TRANSOM



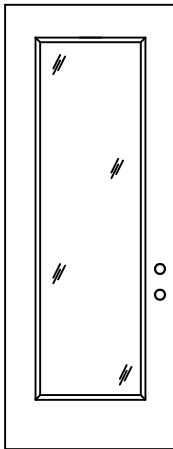
SINGLE W/SIDELITE & TRANSOM



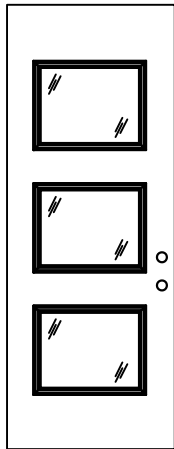
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NOTE:
ALL APPROVED CONFIGURATIONS ARE SHOWN
AS RIGHT HAND ACTIVE, LEFT HAND ACTIVE
IS ALSO APPROVED.

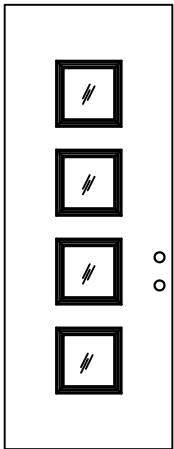
APPROVED LITE CONFIGURATIONS



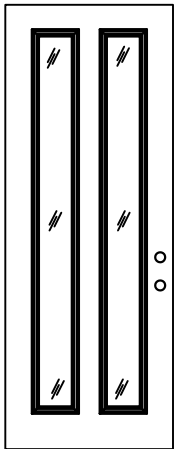
FULL LITE



3 LITE



4 LITE



2 LITE

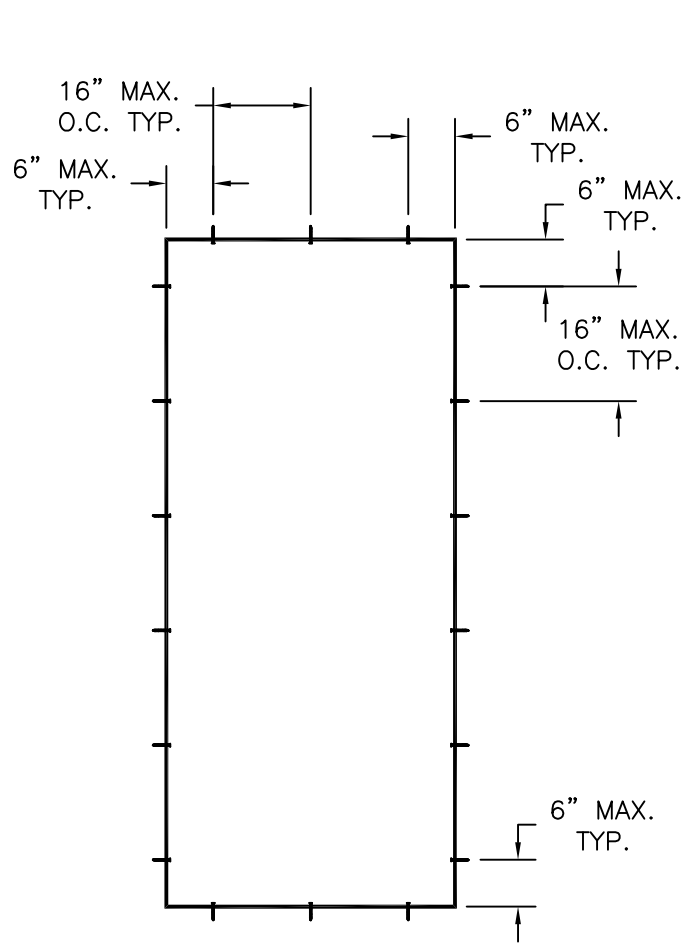
LITE CONFIGURATIONS SHOWN ARE FOR REFERENCE ONLY. MULTIPLE LITE
CONFIGURATIONS ARE APPROVED AS LONG AS LITE SIZE DOES NOT EXCEED 9.2 FT²

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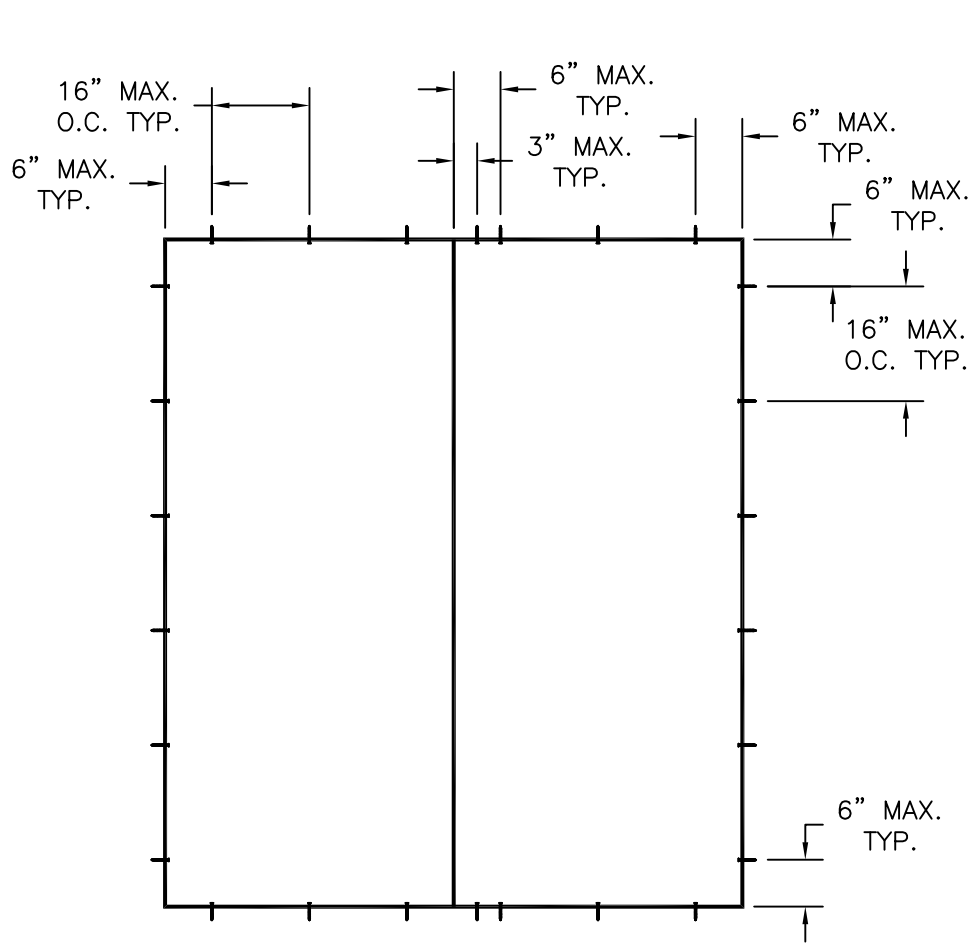
PROVIA, LLC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
SIGNET INSWING GLAZED FIBERGLASS PATIO DOOR W/ AND W/OUT SIDELITES AND TRANSOM ADDITIONAL CONFIGURATIONS & HARDWARE		
DRAWN: TJH	DWG NO. 08-00712	REV 0
SCALE NTS	DATE 03/31/09	SHEET 3 OF 12
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

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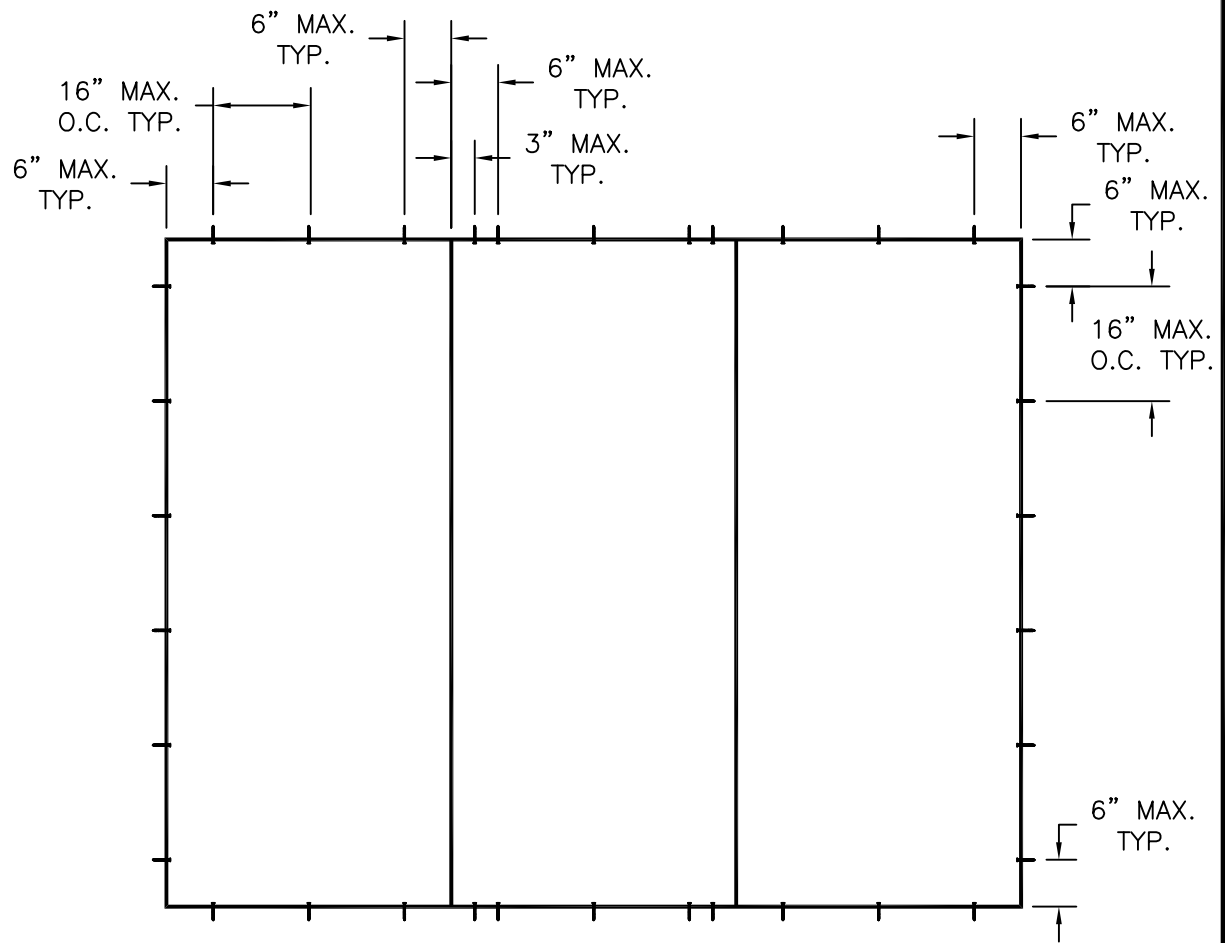
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SINGLE



SINGLE W/SIDELITE



SINGLE W/SIDELITES

Anchors and anchor connectors corrosion resistance chart		
Exposure	Distance from coastal shoreline	
	0' up to 300'	>300' up to 3000'
Exterior - partially sheltered	304 or A305 or 306 Stainless steel per ASTM A240	Galvanized per ASTM A153 class D or ASTM A641 class 3S
Exterior - open exposed	304 or A305 or 306 Stainless steel per ASTM A240	Galvanized per ASTM A153 class D or ASTM A641 class 3S
Unconditioned interior-vented enclosed	Galvanized per ASTM A153 class D or ASTM A641 class 3S	Galvanized per ASTM A153 class D or ASTM A641 class 3S
Unconditioned interior-unvented enclosed	Galvanized per ASTM A153 class D or ASTM A641 class 3S	Galvanized per ASTM A153 class D or ASTM A641 class 3S

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W/ AND W/OUT SIDELITES AND TRANSOM
ANCHORING LAYOUTS WITHOUT TRANSOMS

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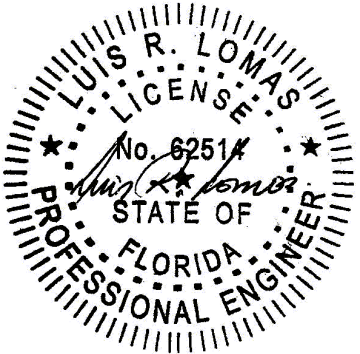
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SHEET
4 OF 12

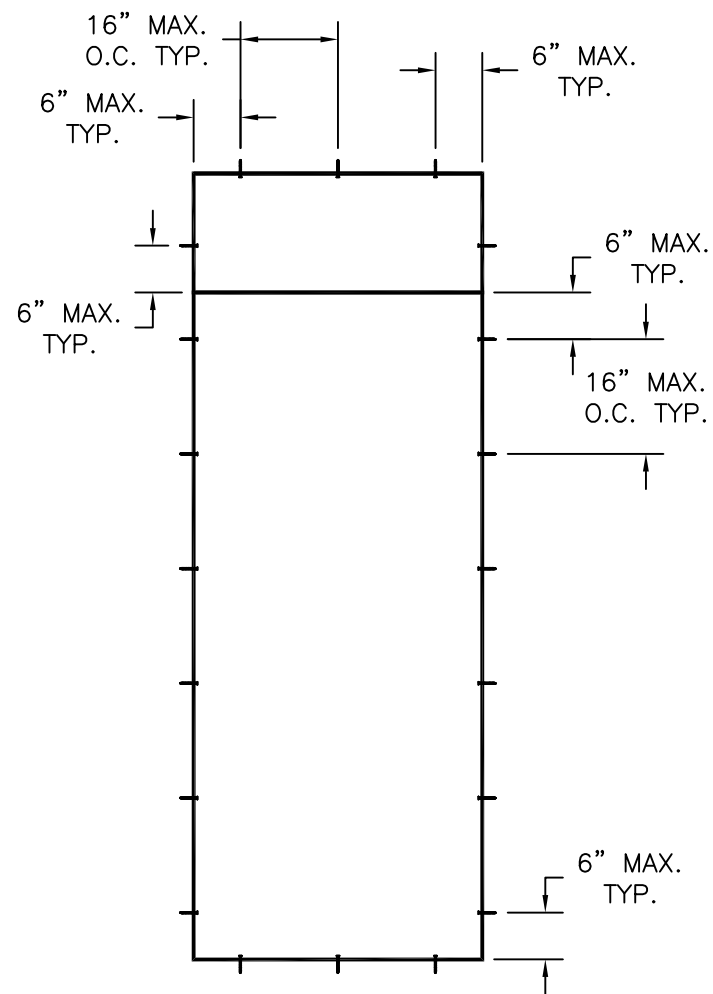
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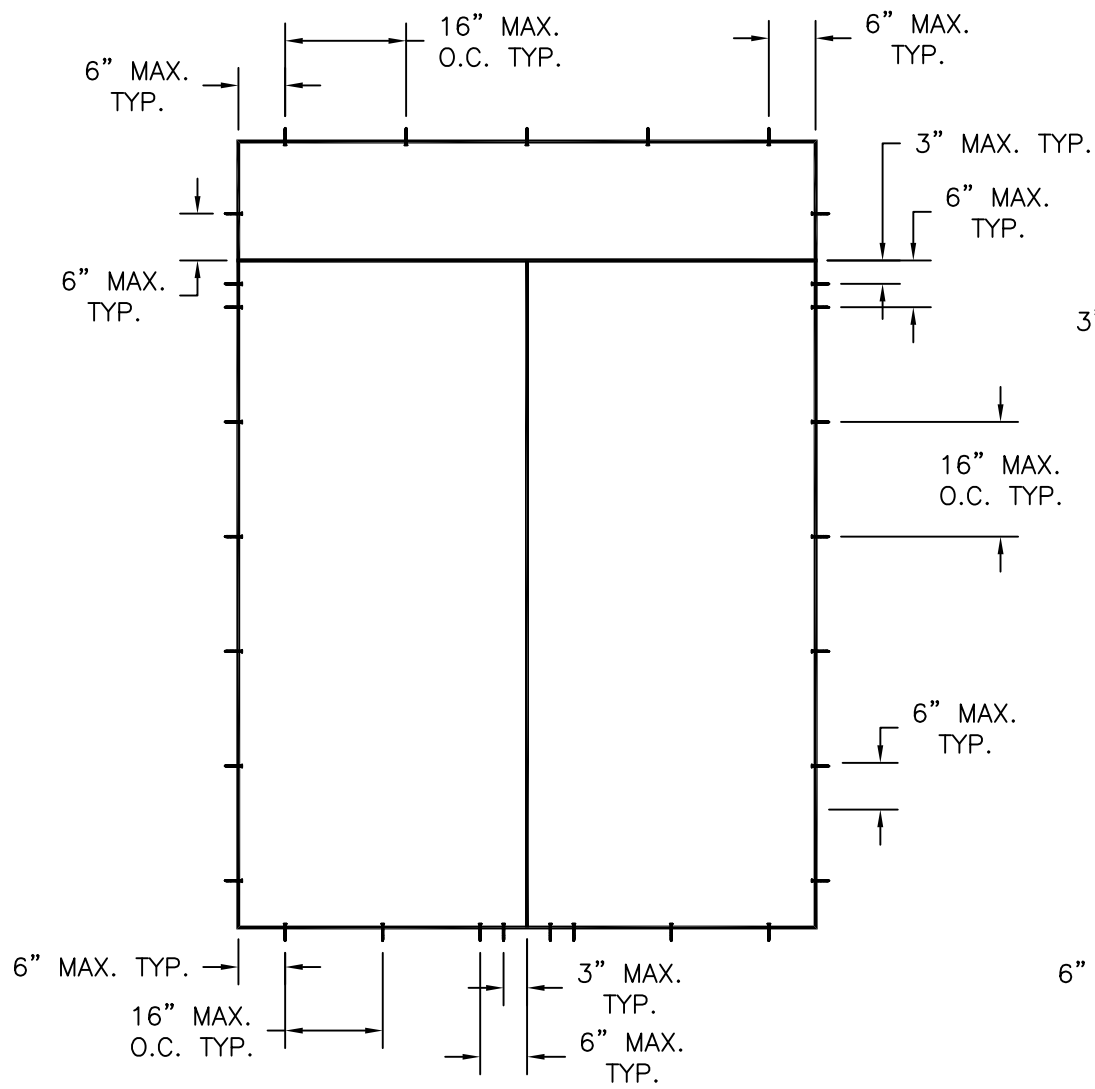


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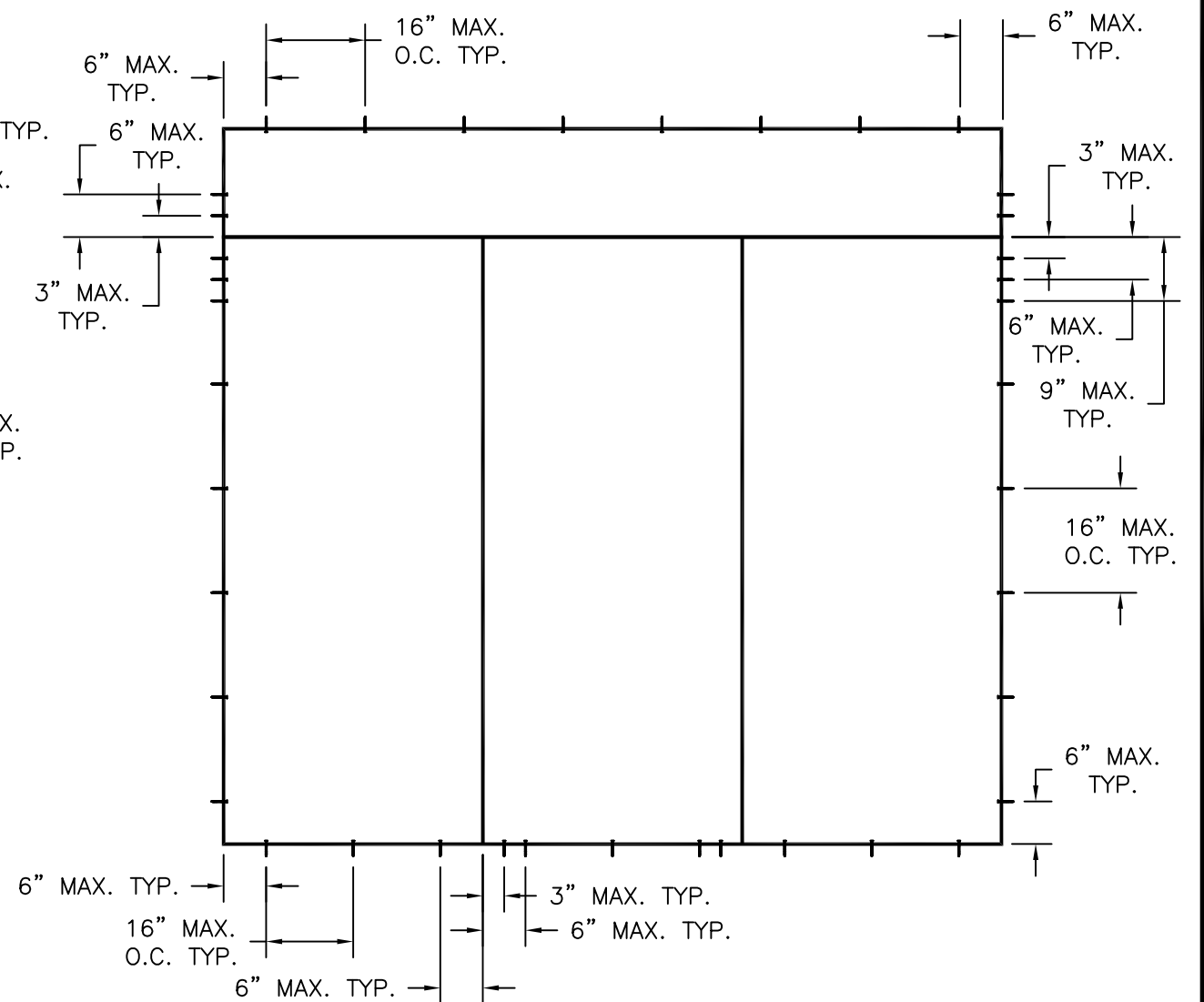
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SINGLE WITH TRANSOM



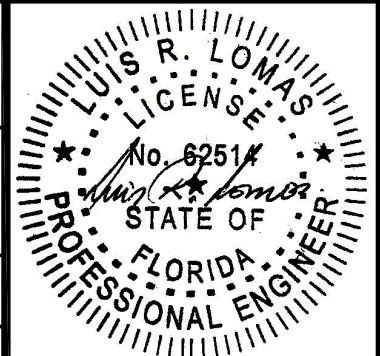
SINGLE W/SIDELITE & TRANSOM



SINGLE W/SIDELITES & TRANSOM

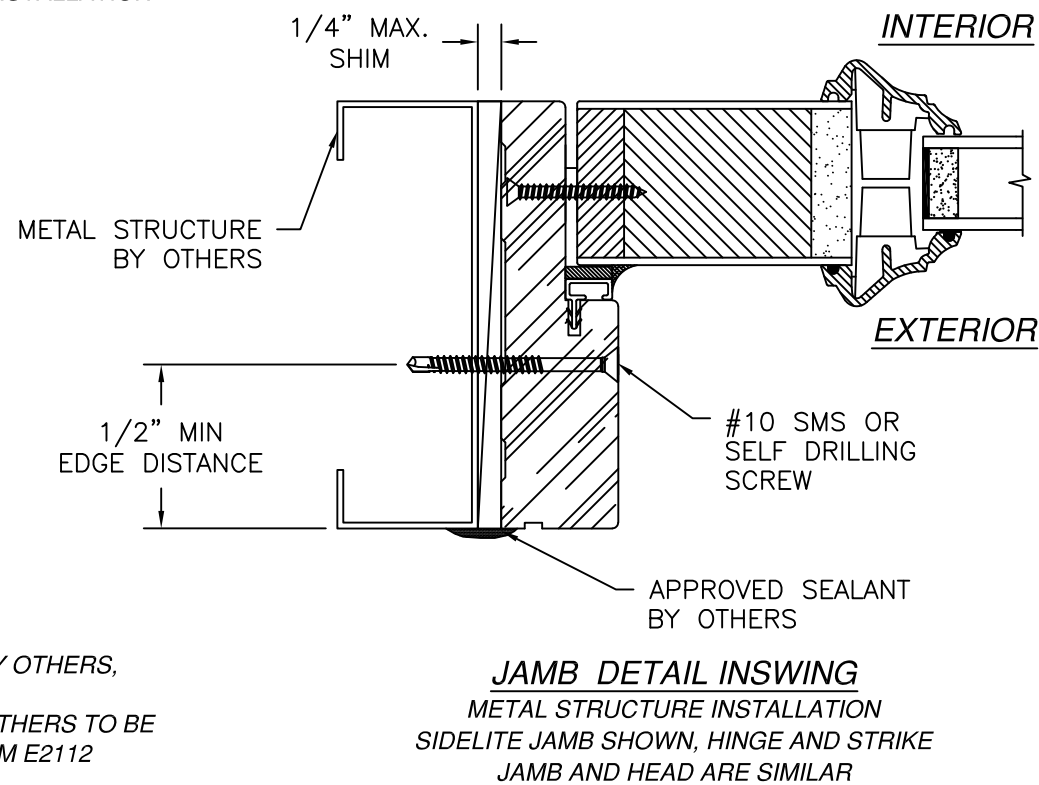
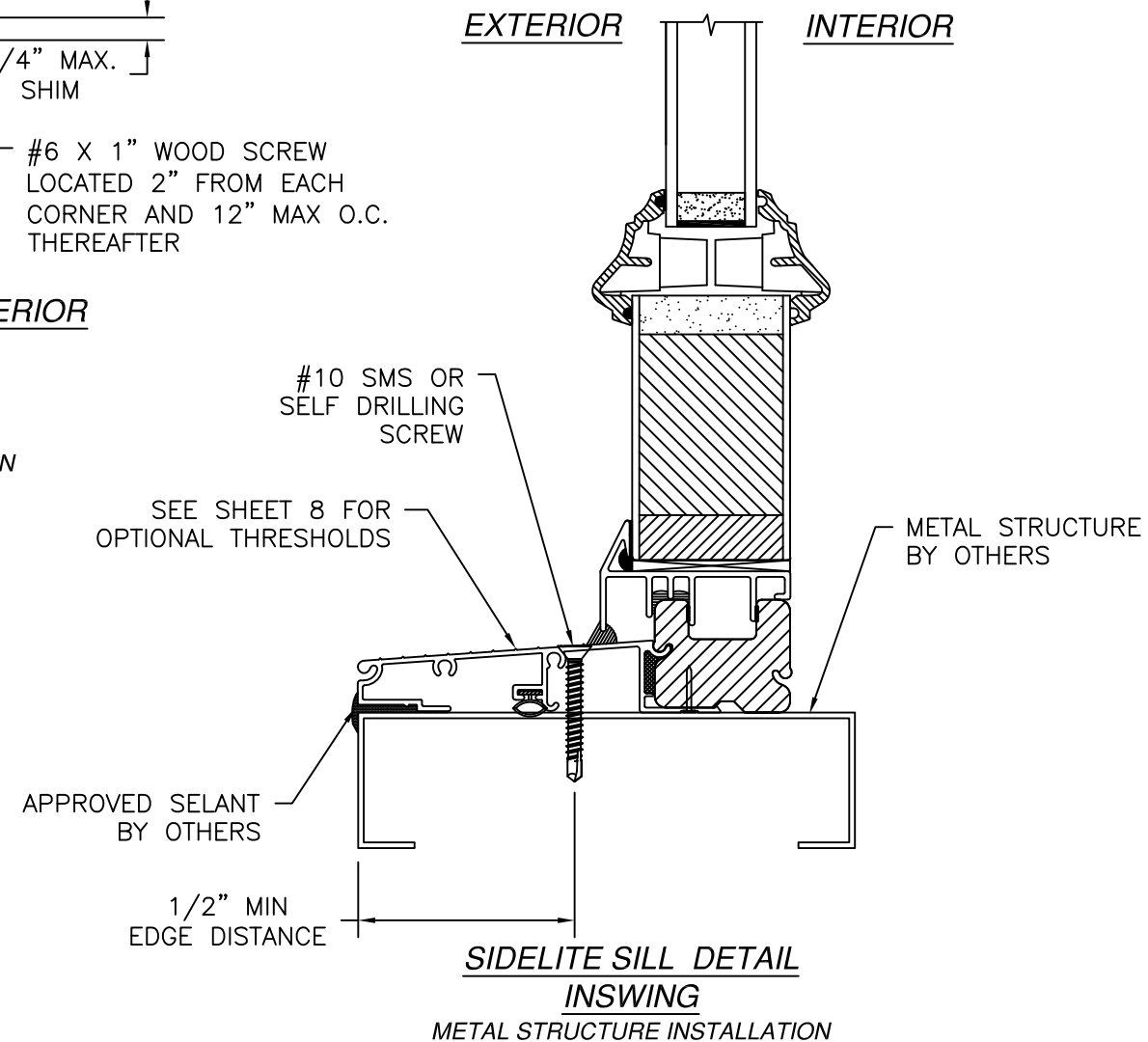
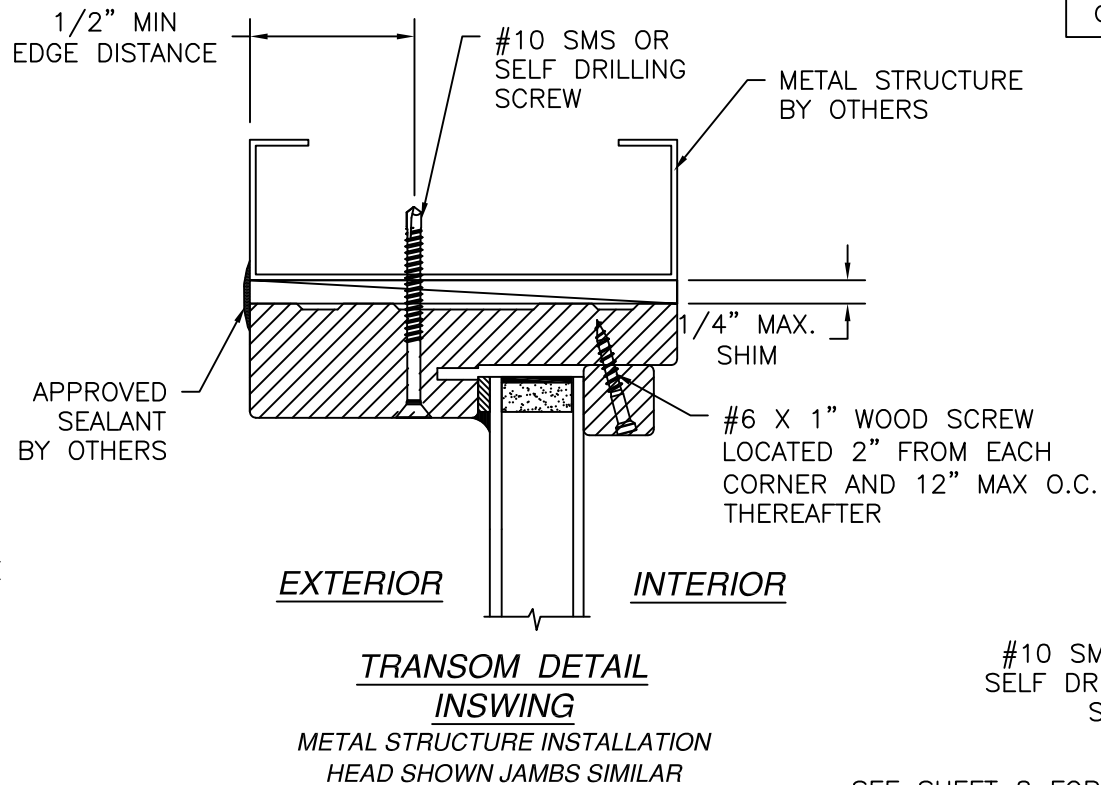
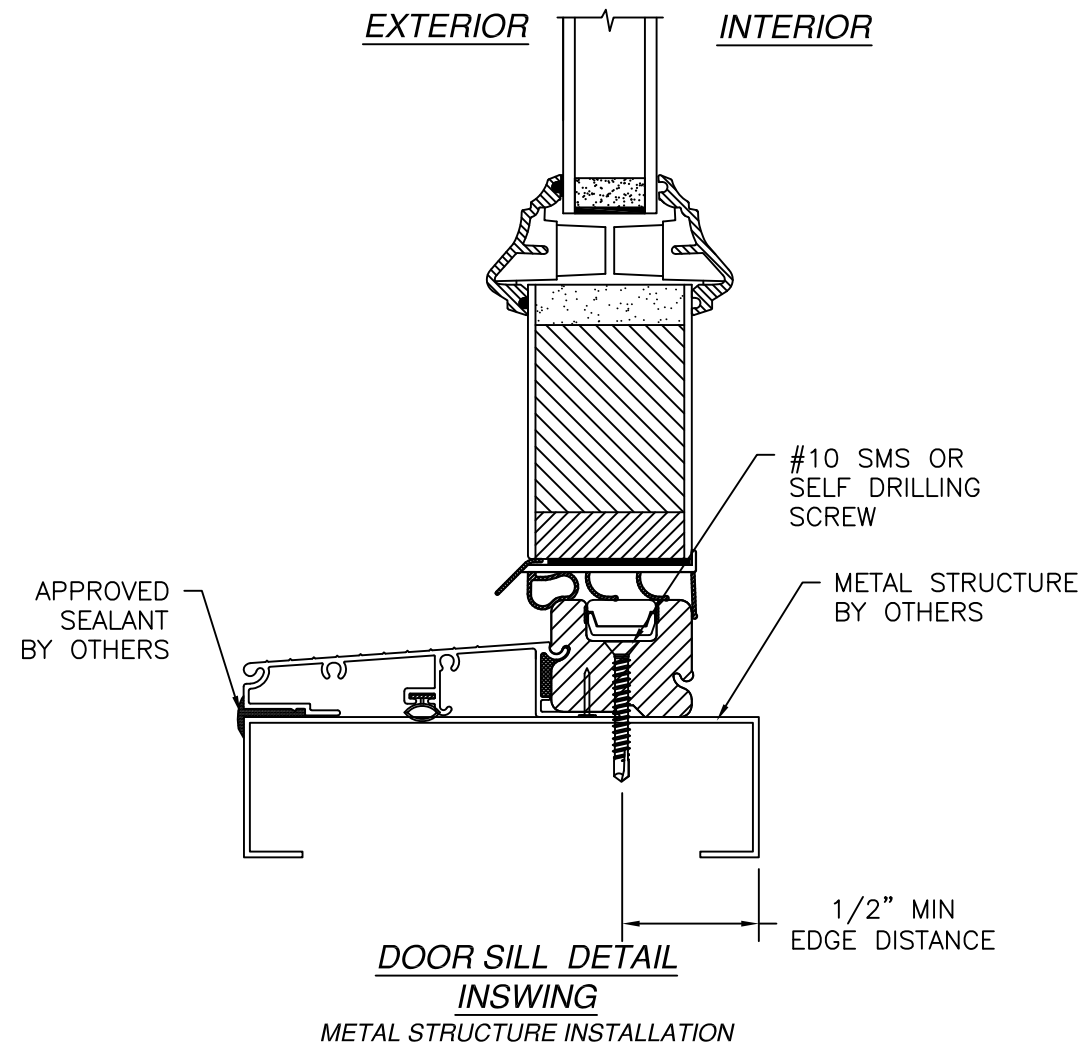
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SIGNET INSWING GLAZED FIBERGLASS PATIO DOOR W/ AND W/OUT SIDELITES AND TRANSOM ANCHORING LAYOUTS WITH TRANSOMS		
DRAWN: TJH	DWG NO. 08-00712	REV 0
SCALE NTS	DATE 03/31/09	SHEET 5 OF 12
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		



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- 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

PROVIA, LLC.

2150 STATE ROUTE 39 WEST
SUGARCREEK, OH 44681

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

DRAWN: TJH

DWG NO. 08-00712

REV 0

SCALE NTS

DATE 03/31/09

SHEET 7 OF 12

L. ROBERTO LOMAS P.E.

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LUIS R. LOMAS

LICENS. M.S.

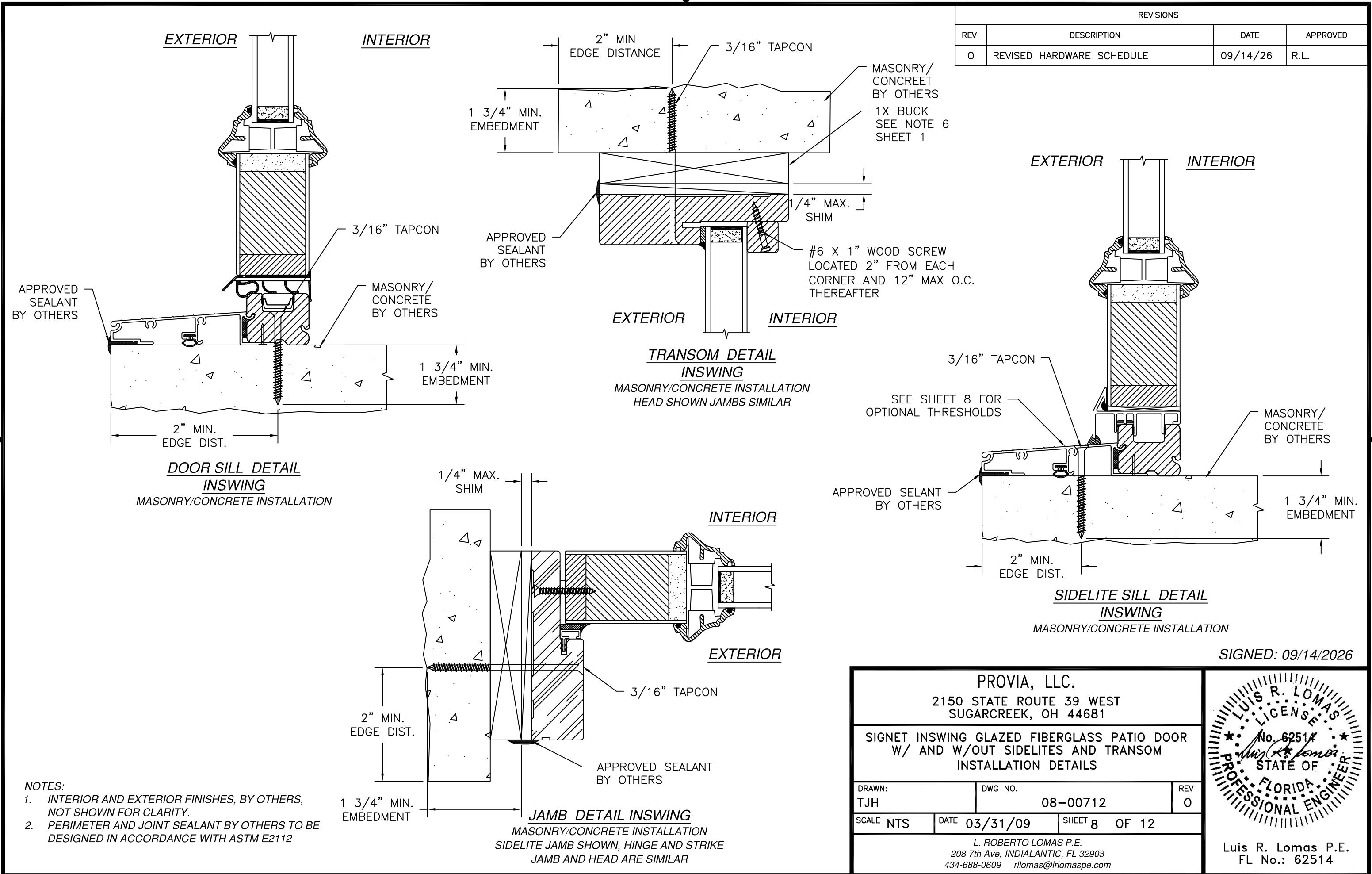
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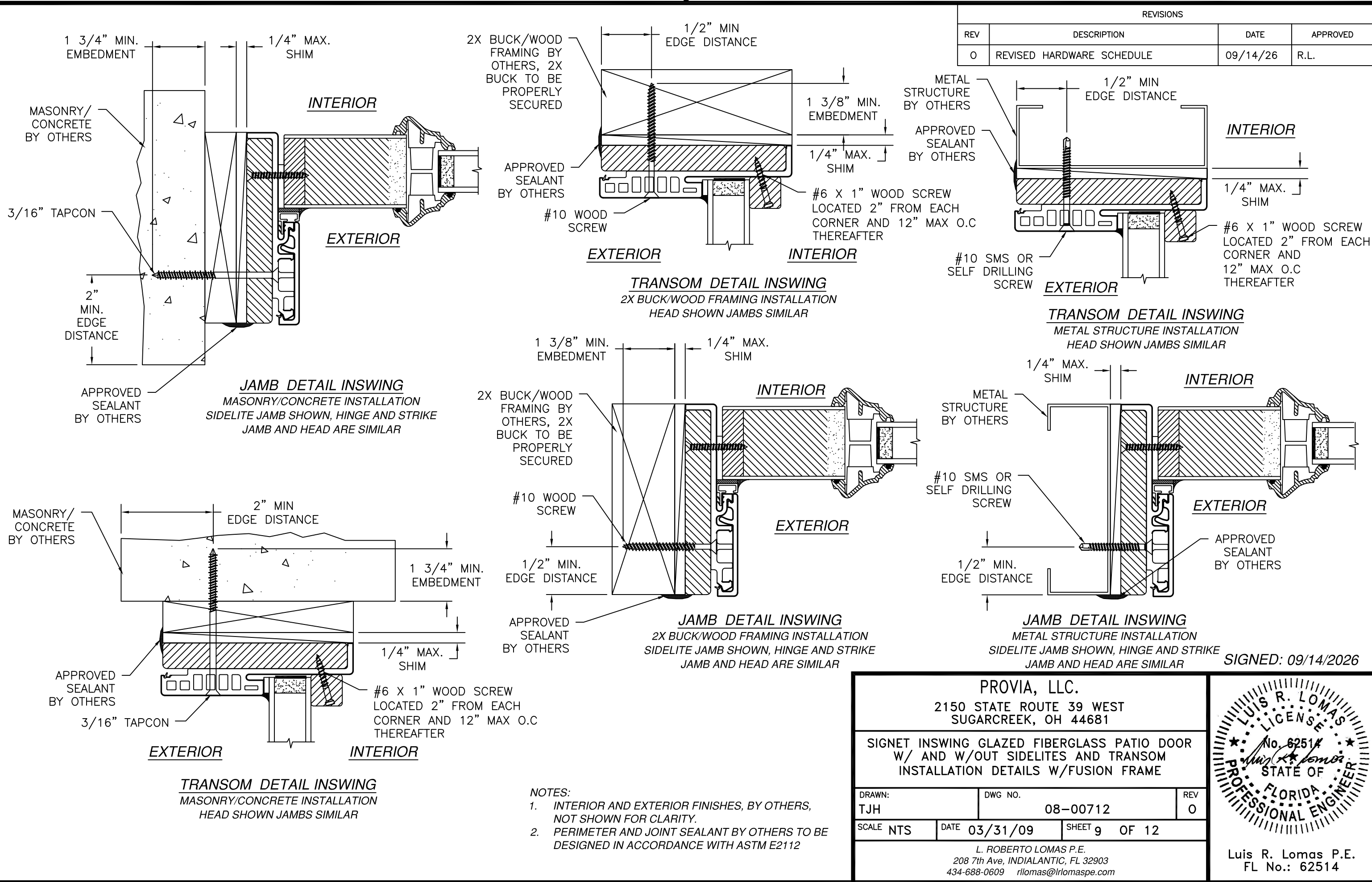
STATE OF FLORIDA

PROFESSIONAL ENGINEER

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

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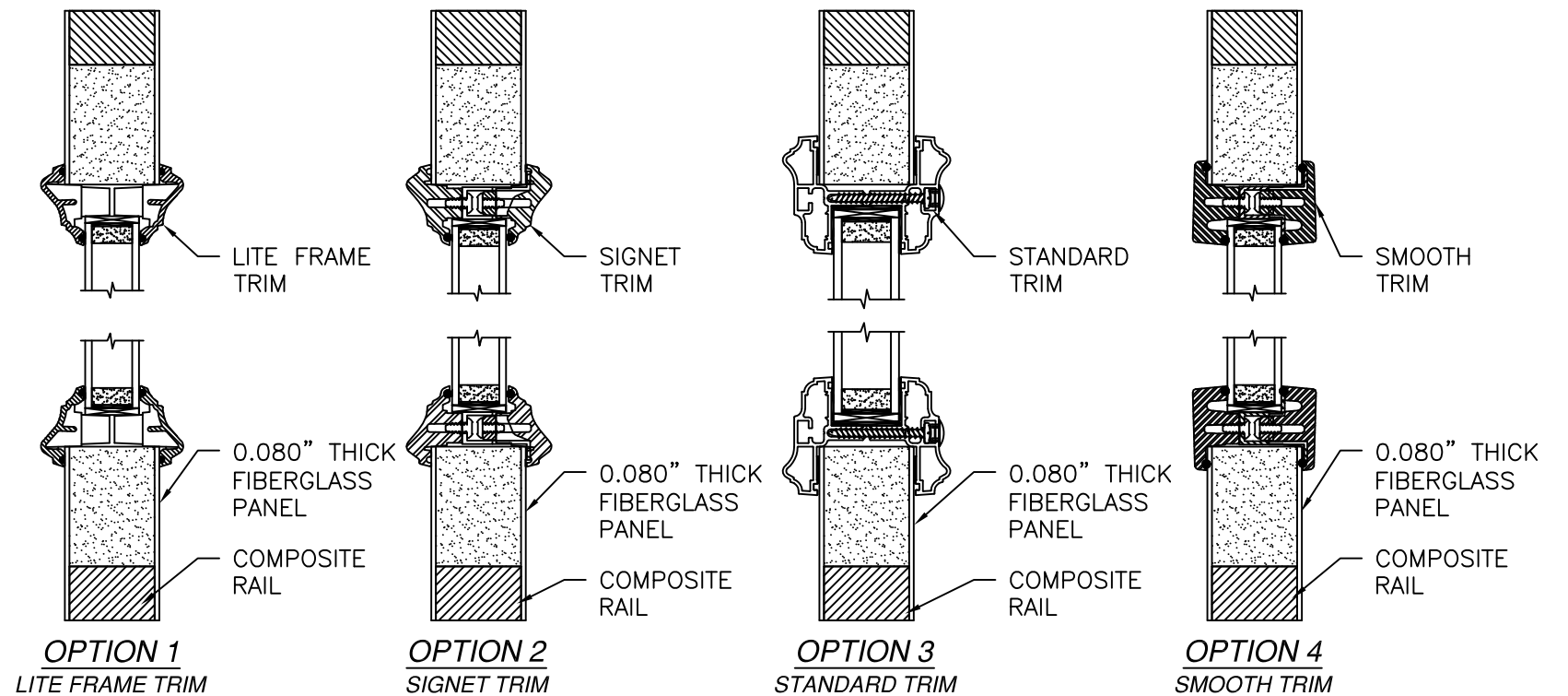
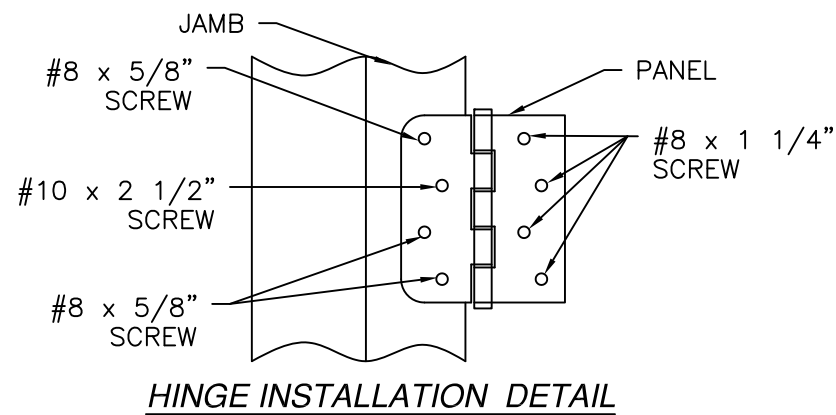
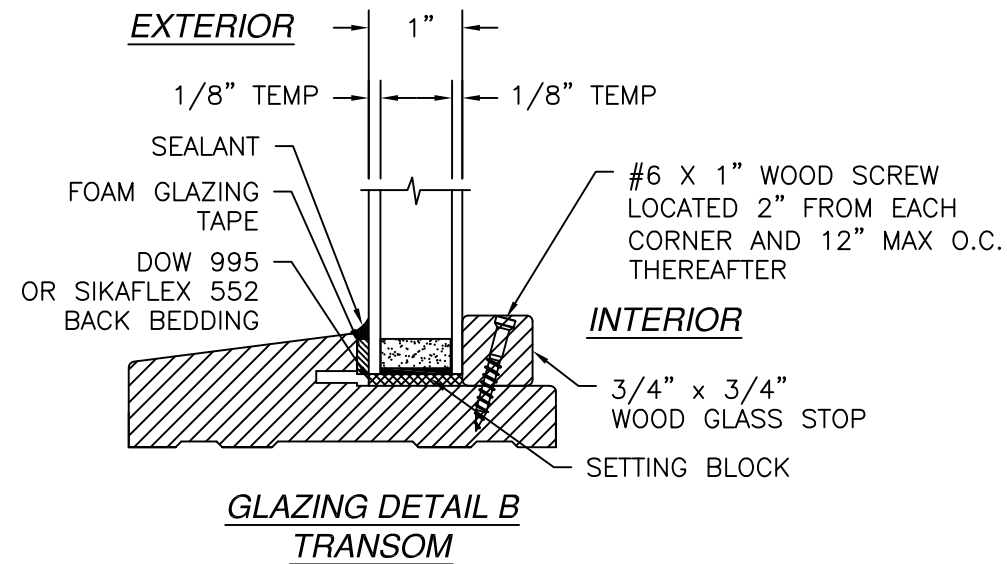
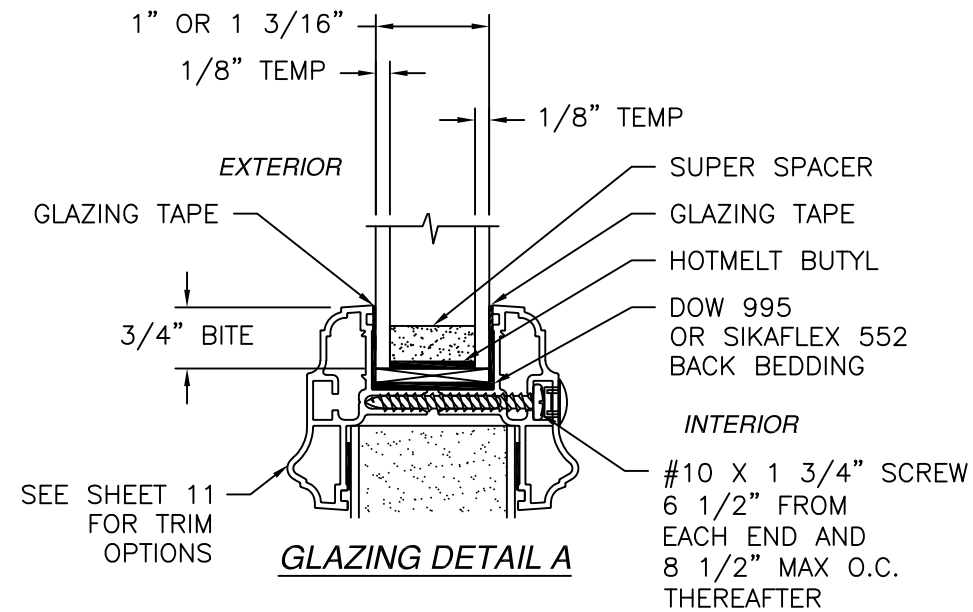
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W/ AND W/OUT SIDELITES AND TRANSOM
GLAZING, HINGE DETAILS & APPROVED TRIMS

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SHEET 10 OF 12

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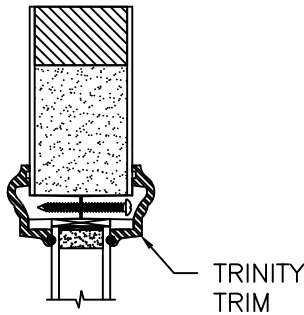
STATE OF FLORIDA

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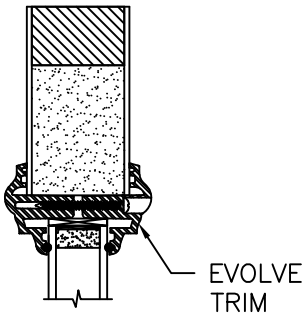
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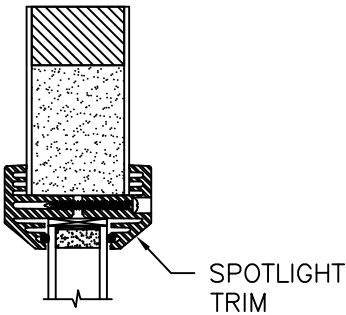
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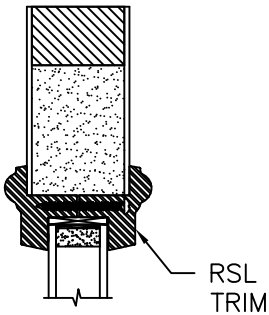
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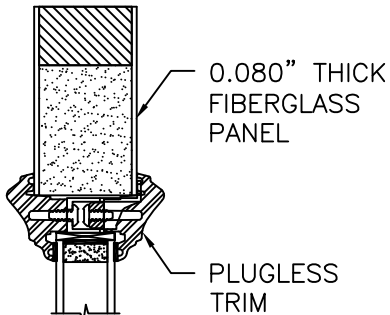
EVOLVE TRIM



SPOTLIGHT TRIM

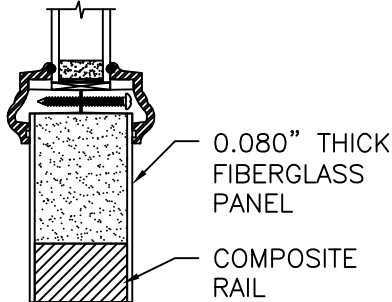


RSL TRIM

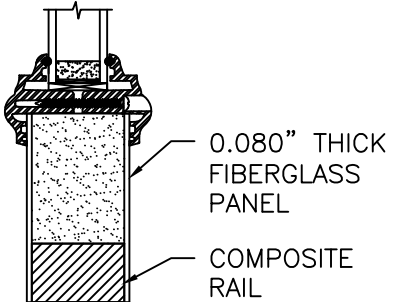


0.080" THICK FIBERGLASS PANEL

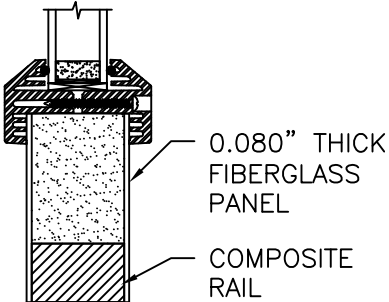
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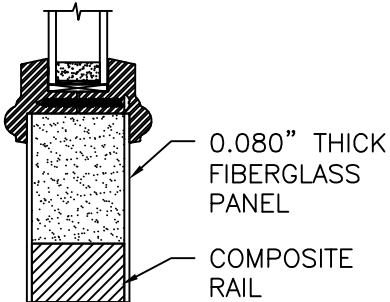
OPTION 5
TRINITY TRIM



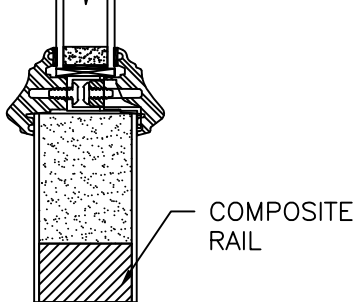
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EVOLVE TRIM



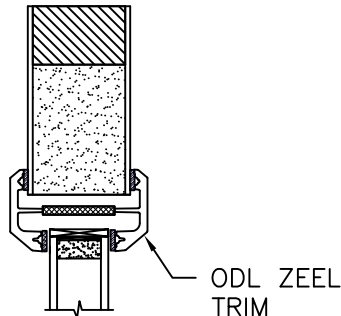
OPTION 7
SPOTLIGHT TRIM



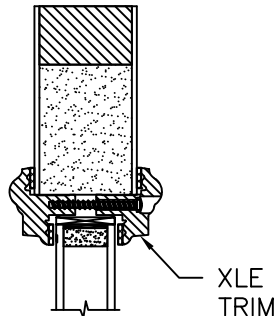
OPTION 8
RSL TRIM



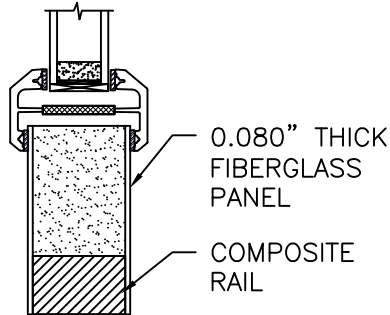
OPTION 9
PLUGLESS TRIM
W/TAPE



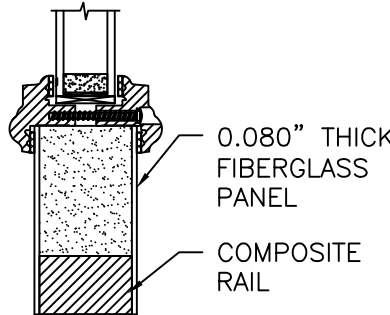
ODL ZEEL TRIM



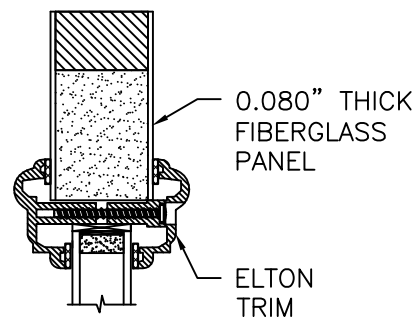
XLE TRIM



OPTION 14
ODL ZEEL TRIM

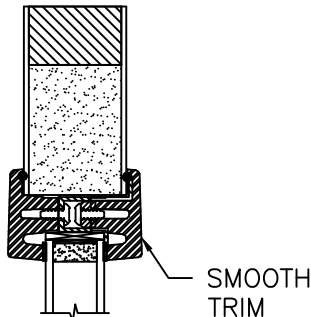


OPTION 15
XLE TRIM

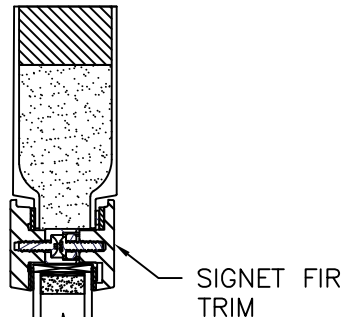


0.080" THICK FIBERGLASS PANEL

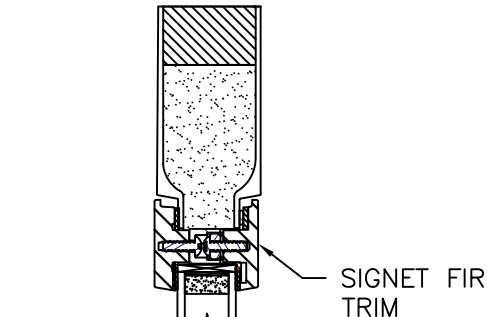
ELTON TRIM



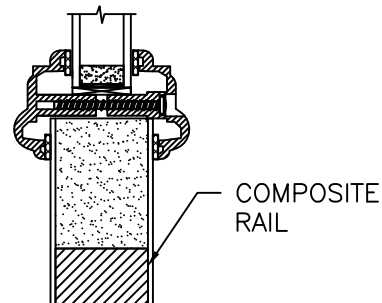
SMOOTH TRIM



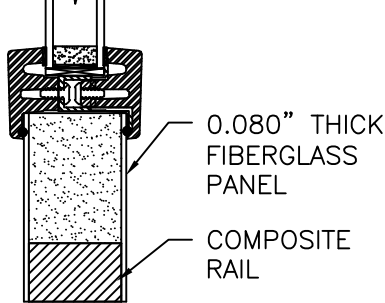
SIGNET FIR TRIM



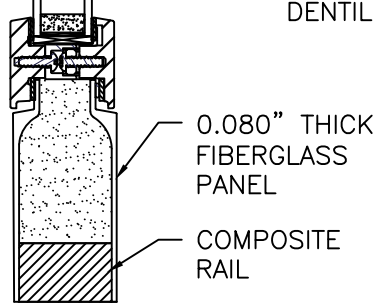
SIGNET FIR TRIM



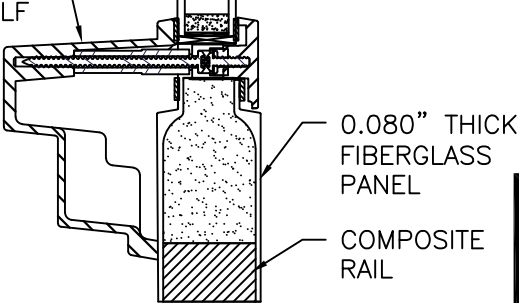
OPTION 10
ELTON TRIM



OPTION 11
SMOOTH TRIM
W/TAPE



OPTION 12
SIGNET FIR TRIM



OPTION 13
SIGNET FIR &
DENTIL SHELF TRIM

SIGNET FIR TRIM
DENTIL SHELF

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 0

SCALE NTS

DATE 03/31/09

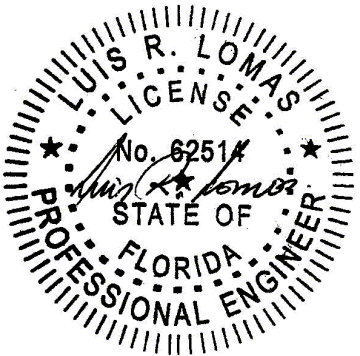
SHEET 11 OF 12

L. ROBERTO LOMAS P.E.

208 7th Ave, INDIALANTIC, FL 32903

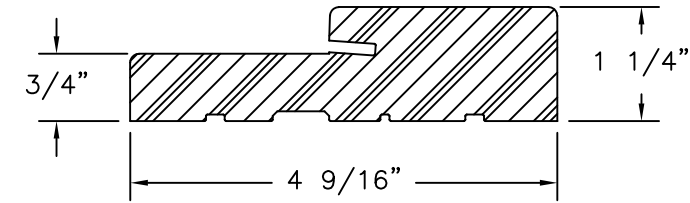
434-688-0609 rllomas@lrlomaspe.com

SIGNED: 09/14/2026

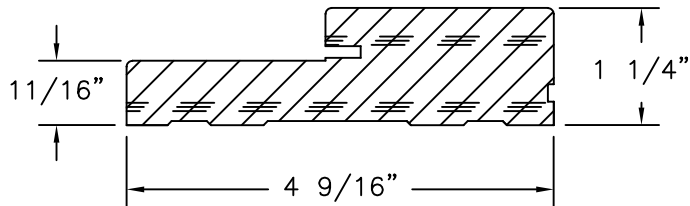


Luis R. Lomas P.E.
FL No.: 62514

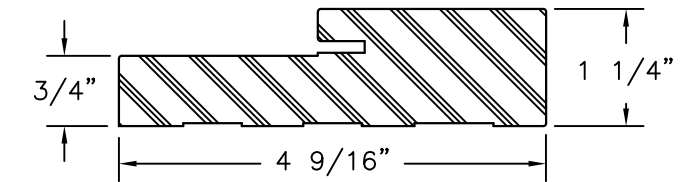
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
0	REVISED HARDWARE SCHEDULE	09/14/26	R.L.



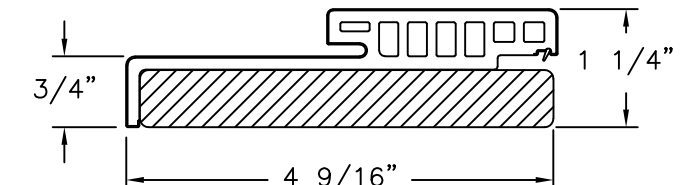
FRAMESAVER
COMPOSITE



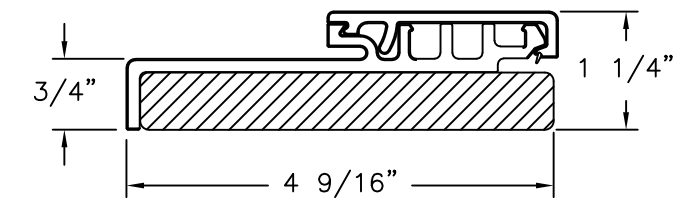
FRAME
WOOD G.46 MIN.



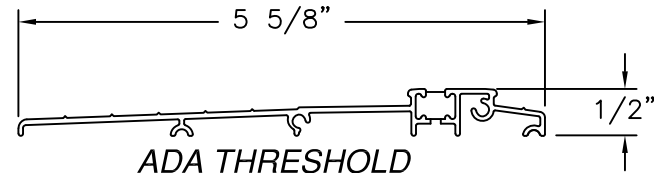
FRAME
COMPOSITE



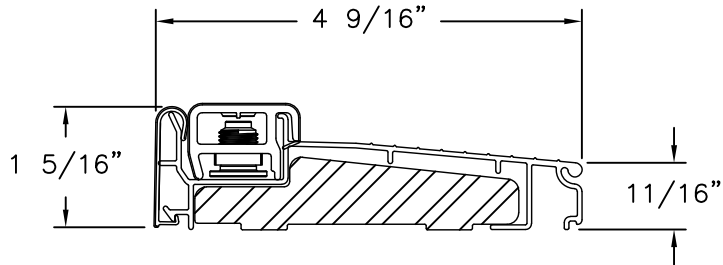
HYBRID HEAD
WOOD/COMPOSITE



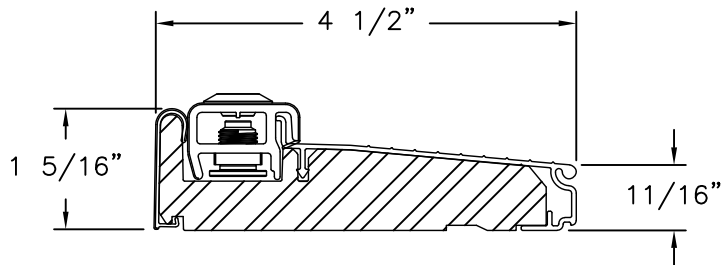
HYBRID JAMB
WOOD/COMPOSITE



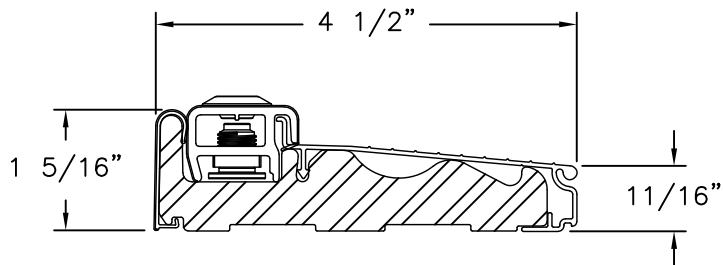
ADA THRESHOLD



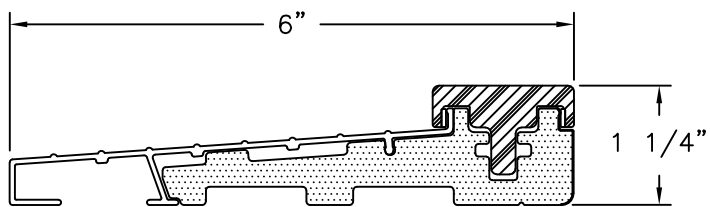
INSWING SILL ZAIL4565



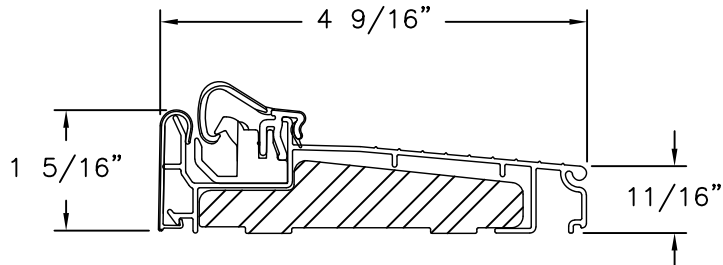
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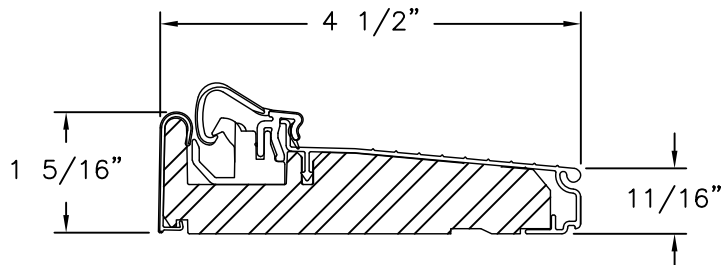
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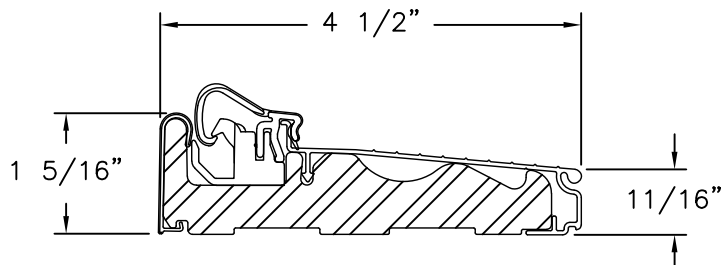
STANDARD INSWING SILL



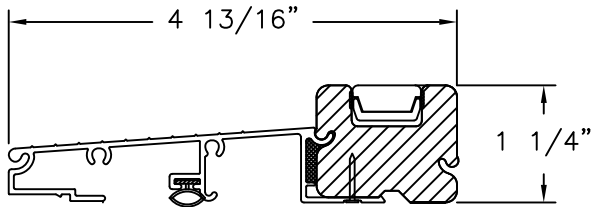
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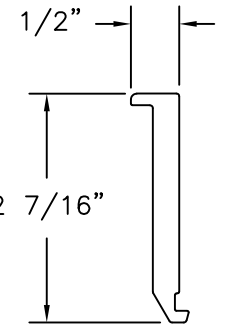
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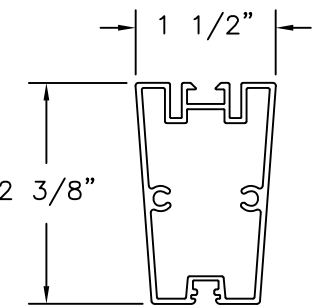
INSWING SILL ZACLH4565



INSWING SILL



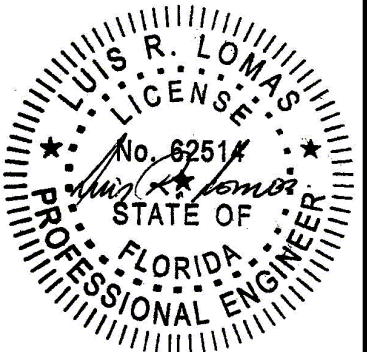
PVC MULLION SPACER



ALUMINUM MULLION

SIGNED: 09/14/2026

PROVIA, LLC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
SIGNET INSWING GLAZED FIBERGLASS PATIO DOOR W/ AND W/OUT SIDELITES AND TRANSOM COMPONENTS		
DRAWN: TJH	DWG NO. 08-00712	REV 0
SCALE NTS	DATE 03/31/09	SHEET 12 OF 12
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		



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