

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
J	ADDED GLAZED FIR TRIMS	08/26/2021	R.L.

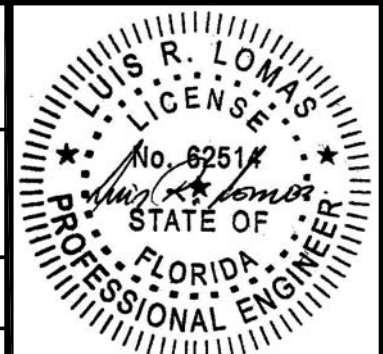
NOTES:

- THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE FLORIDA BUILDING CODE.
- 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.
- 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.
- 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.
- FRAME MATERIAL: WOOD WITH G=.46 MINIMUM SPECIFIC GRAVITY, OR COMPOSITE, OR FRAMESAVER, OR FUSION FRAME.
DOOR SKIN MATERIAL: STEEL .033" THICK (MINIMUM), FIBERGLASS .085" THICK (MINIMUM).
- UNITS MUST BE GLAZED PER ASTM E1300, WITH SAFETY GLAZING.
- APPROVED IMPACT PROTECTIVE SYSTEM IS REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.
- 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".
- 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.
- 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.
- 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.
- ALL FASTENERS TO BE CORROSION RESISTANT.
- 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:
 - WOOD – MINIMUM SPECIFIC GRAVITY OF G=0.42
 - CONCRETE – MINIMUM COMPRESSIVE STRENGTH OF 3,192 PSI.
 - MASONRY – GROUT FILLED STRENGTH CONFORMANCE TO ASTM C-90, GRADE N, TYPE 1 (OR GREATER).
 - METAL STRUCTURE: STEEL 18GA, 33KSI OR ALUMINUM 6063-T5 .048" THICK MINIMUM

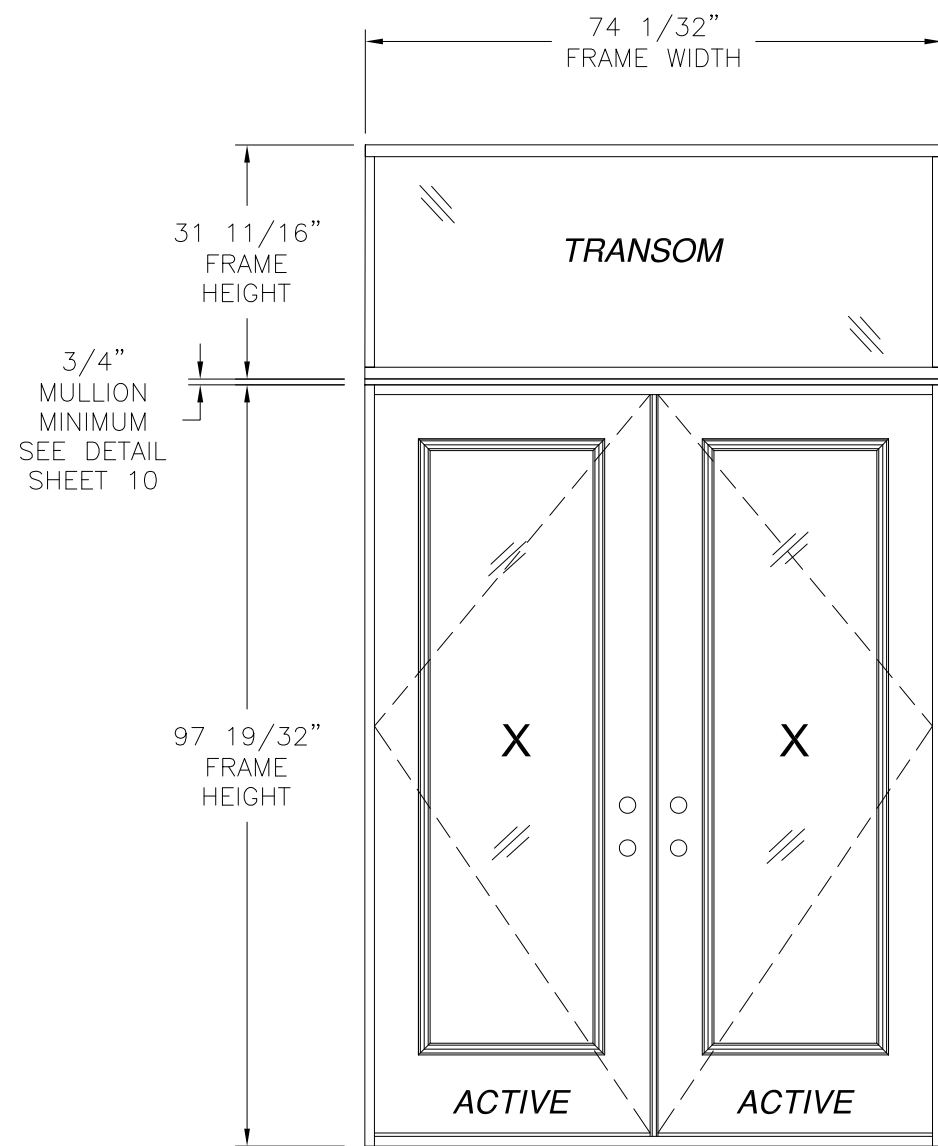
TABLE OF CONTENTS	
SHEET NO.	DESCRIPTION
1	NOTES
2	ELEVATION AND ANCHOR LAYOUT
3 – 10	INSTALLATION DETAILS
11 – 12	APPROVED SLABS
13	COMPONENTS

PROVIA, LLC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
STEEL/FIBERGLASS INSWING GLAZED DOUBLE DOOR W/TRANSOM NON-IMPACT NOTES		
DRAWN: N.G.	DWG NO. 08-02071	REV J
SCALE NTS	DATE 06/19/13	SHEET 1 OF 14
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@lrlomaspe.com		

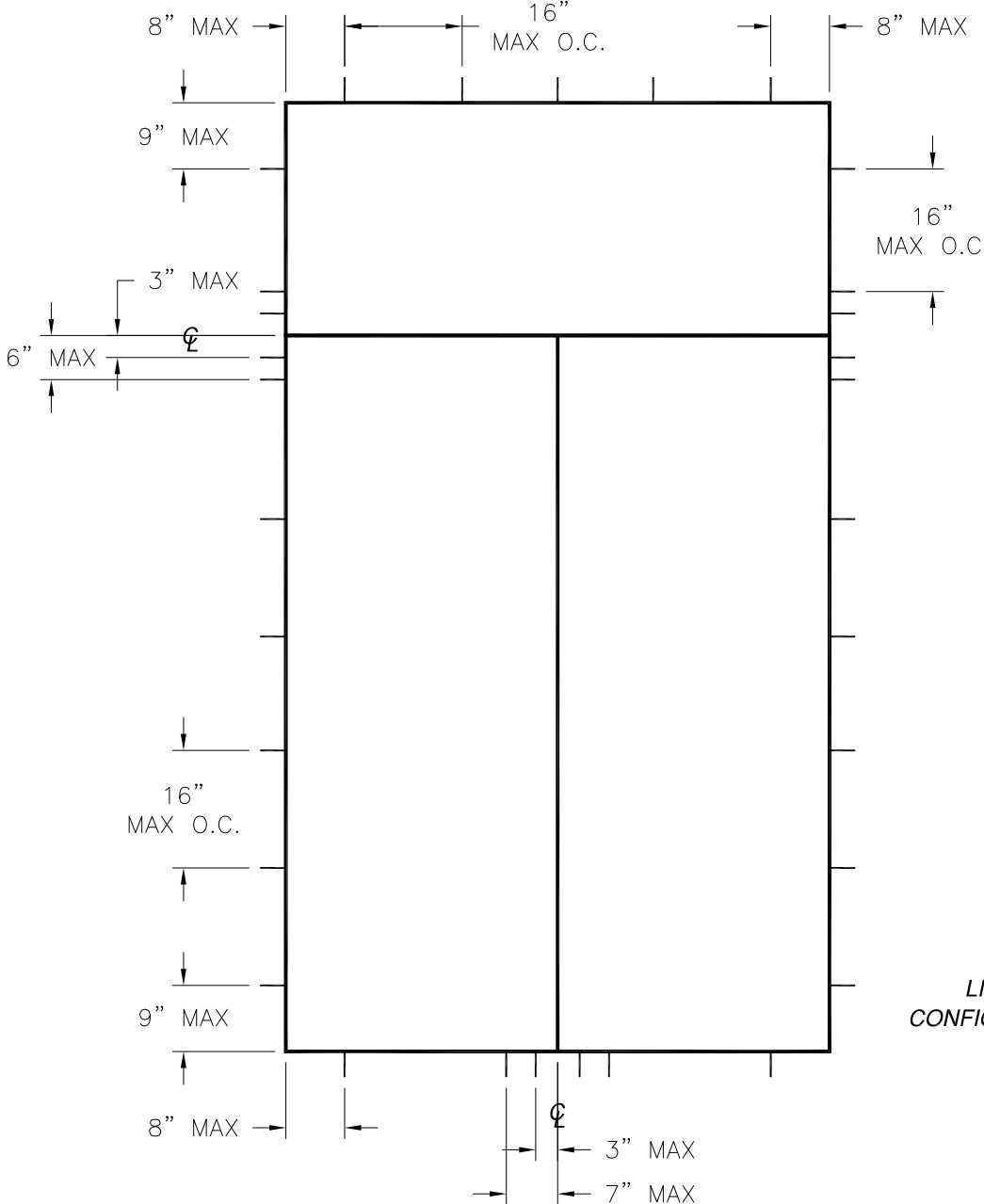
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FL No.: 62514



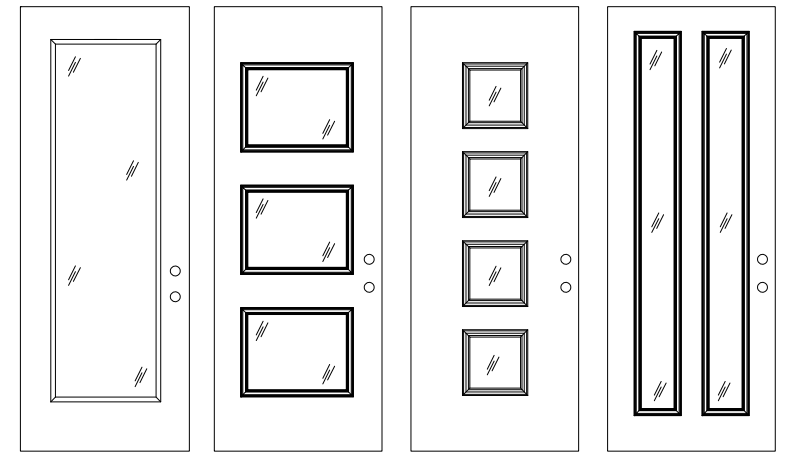
DOUBLE DOOR W/ TRANSOM
EXTERIOR VIEW



ANCHOR LAYOUT

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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 11.5 FT²

- D.L.O. NOTES:
 1. MAXIMUM DOOR D.L.O.: 20 3/8" X 78 1/2"
 2. MAXIMUM TRANSOM D.L.O.: 71 1/32" X 28 11/16"

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	

DESIGN PRESSURE RATING	IMPACT RATING
+48.0/-52.0	NONE
THIS SYSTEM WAS NOT TESTED FOR WATER INFILTRATION AND IS TO BE INSTALLED ONLY WHERE WATER RESISTANCE IS NOT REQUIRED	

WITH FIBERGLASS SLAB
 35 3/4" x 94 15/16" PANEL SIZE SHOWN. OTHER SIZES ARE APPROVED AS LONG AS INDIVIDUAL PANEL AREA DOES NOT EXCEED 23.56 FT²

HARDWARE SCHEDULE	
A.	F-SERIES LOCK ASSEMBLY DOOR KNOB BY SCHLAGE.
B.	B-SERIES DEADBOLT ASSEMBLY BY SCHLAGE.
C.	F-SERIES DEADBOLT ASSEMBLY BY SCHLAGE.
D.	RESIDENTIAL GRADE DOOR HANDLE ASSEMBLY BY EMTEK (ALTERNATE).
E.	MULTI-POINT LOCK HANDLE ASSEMBLY BY TRILENNIUM (ALTERNATE).
F.	(3) 4" x 4" BALL BEARING HINGES BY PENROD.
G.	(3) 4" x 4" SPRING BOMMER HINGES BY PENROD. (ALTERNATE)

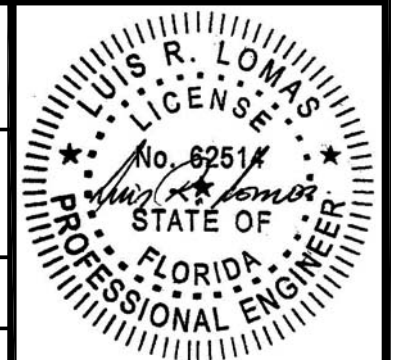
PROVIA, LLC.
 2150 STATE ROUTE 39 WEST
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STEEL/FIBERGLASS INSWING GLAZED DOUBLE DOOR
 W/TRANSOM NON-IMPACT
 ELEVATION AND ANCHOR LAYOUT

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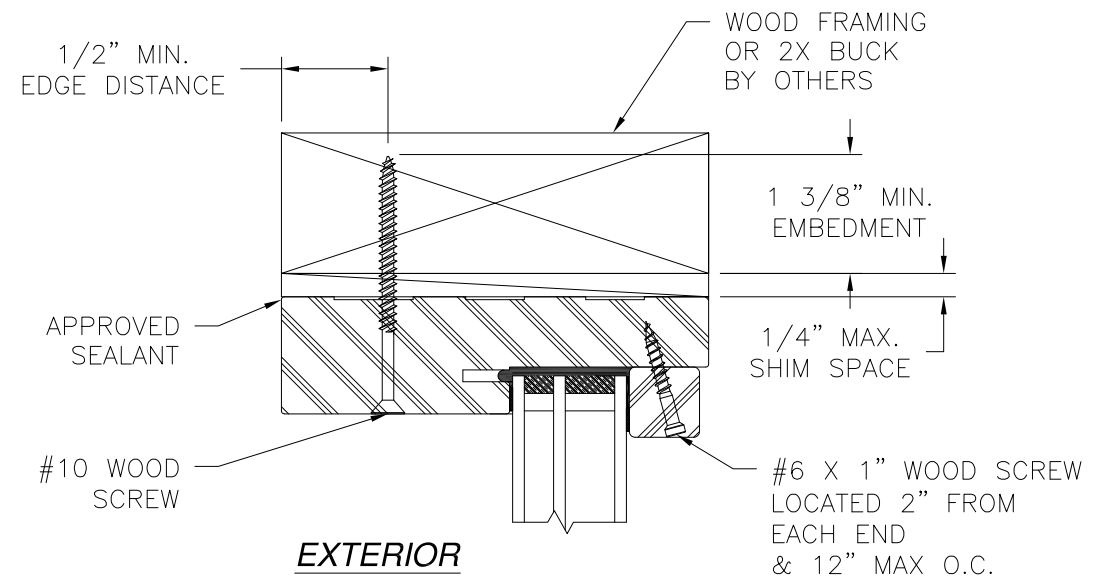
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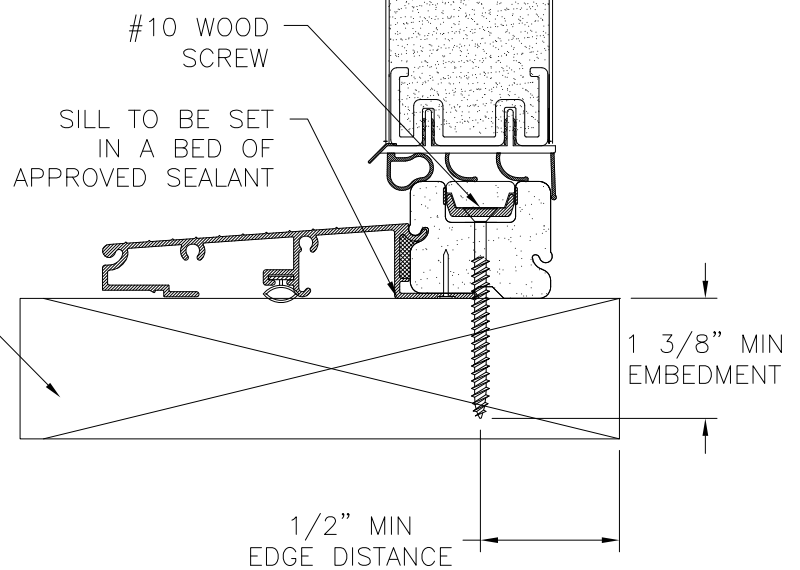


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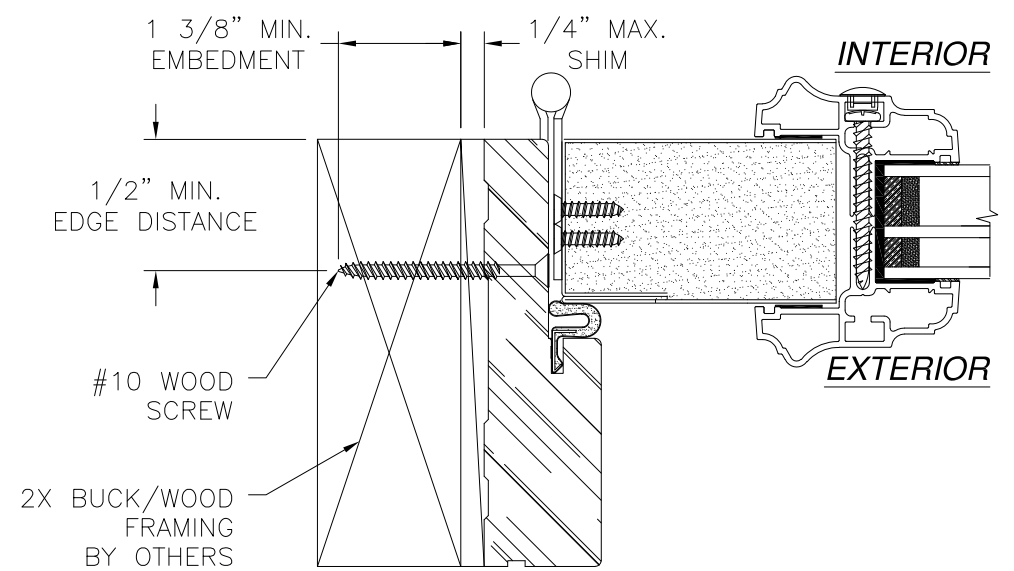
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EXTERIOR
INTERIOR



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

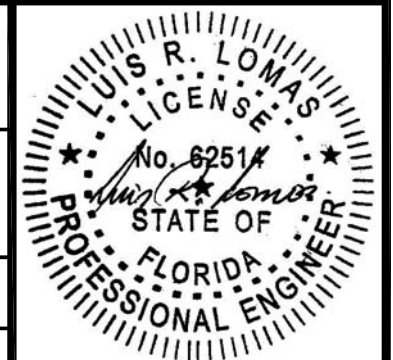


HORIZONTAL CROSS SECTION
DOOR INSTALLATION - 2X BUCK/WOOD FRAMING

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

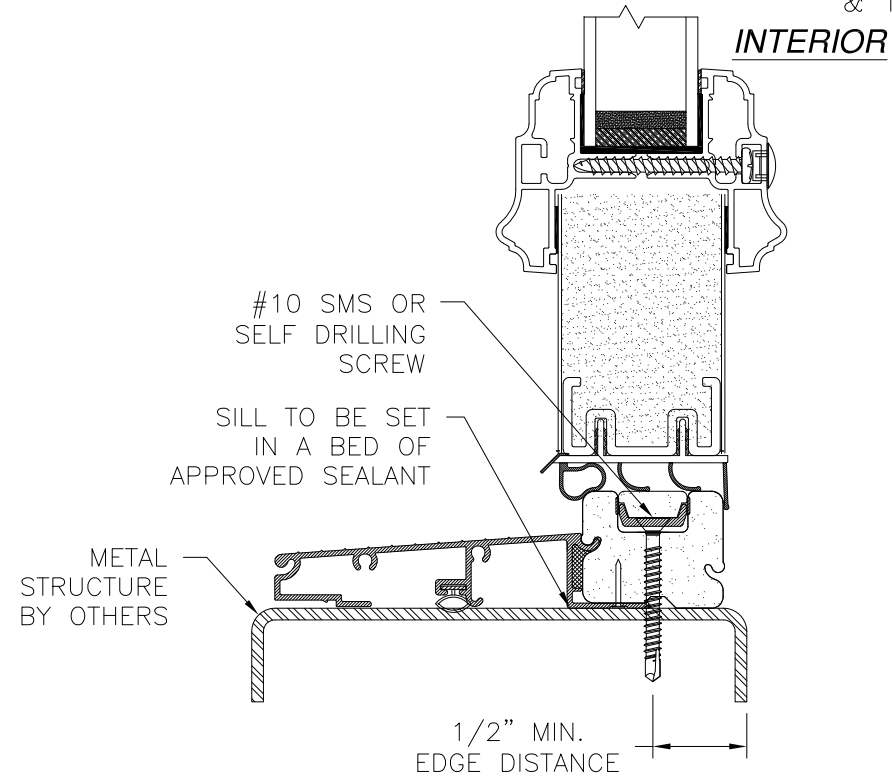
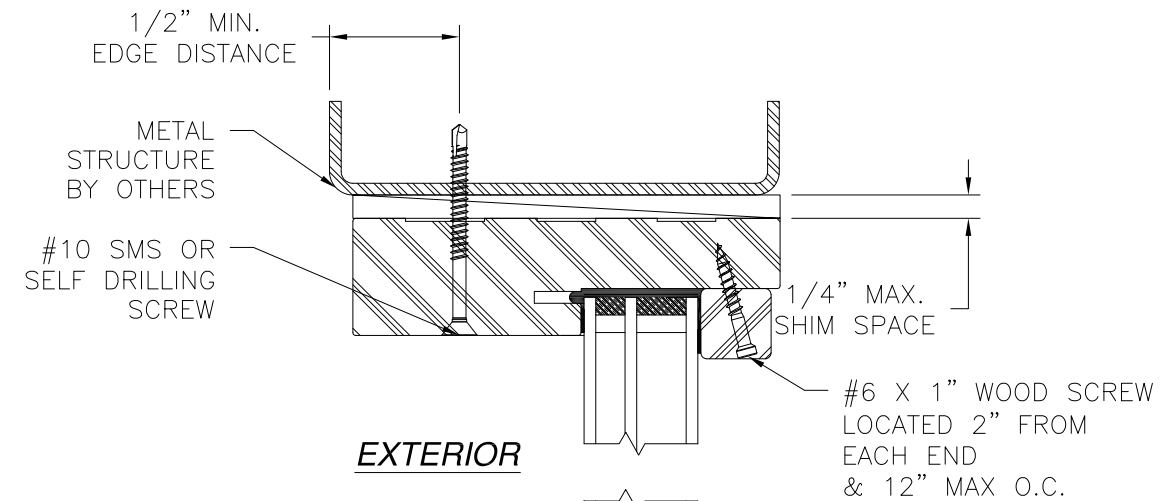
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STEEL/FIBERGLASS INSWING GLAZED DOUBLE DOOR W/TRANSOM NON-IMPACT INSTALLATION DETAILS		
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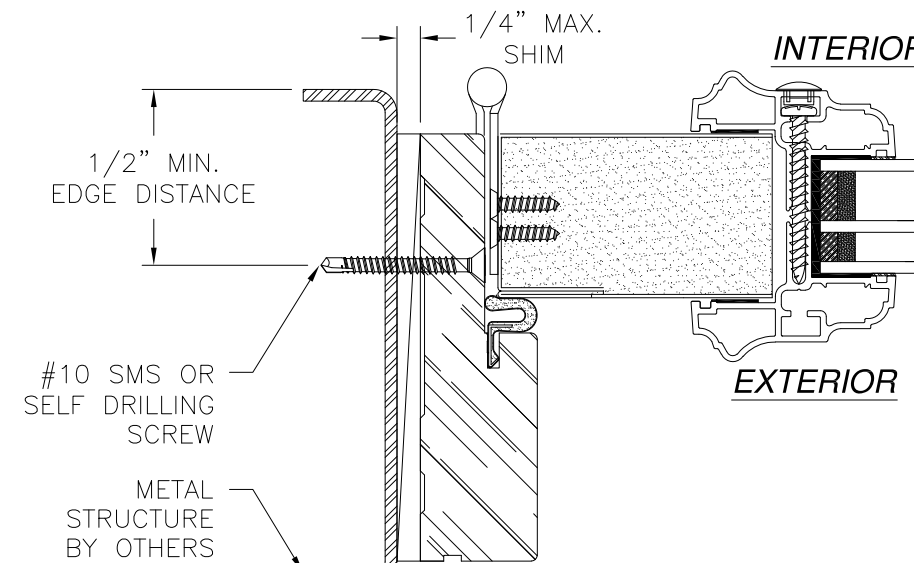


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VERTICAL CROSS SECTION
DOOR AND TRANSOM INSTALLATION METAL STRUCTURE
 TRANSOM HEAD SHOWN
 TRANSOM JAMB SIMILAR



HORIZONTAL CROSS SECTION
DOOR INSTALLATION METAL STRUCTURE

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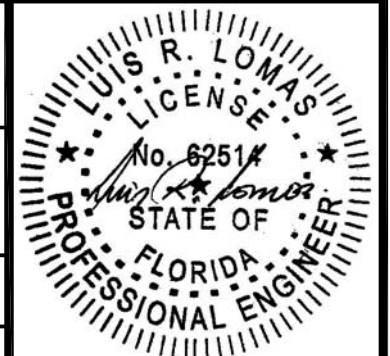
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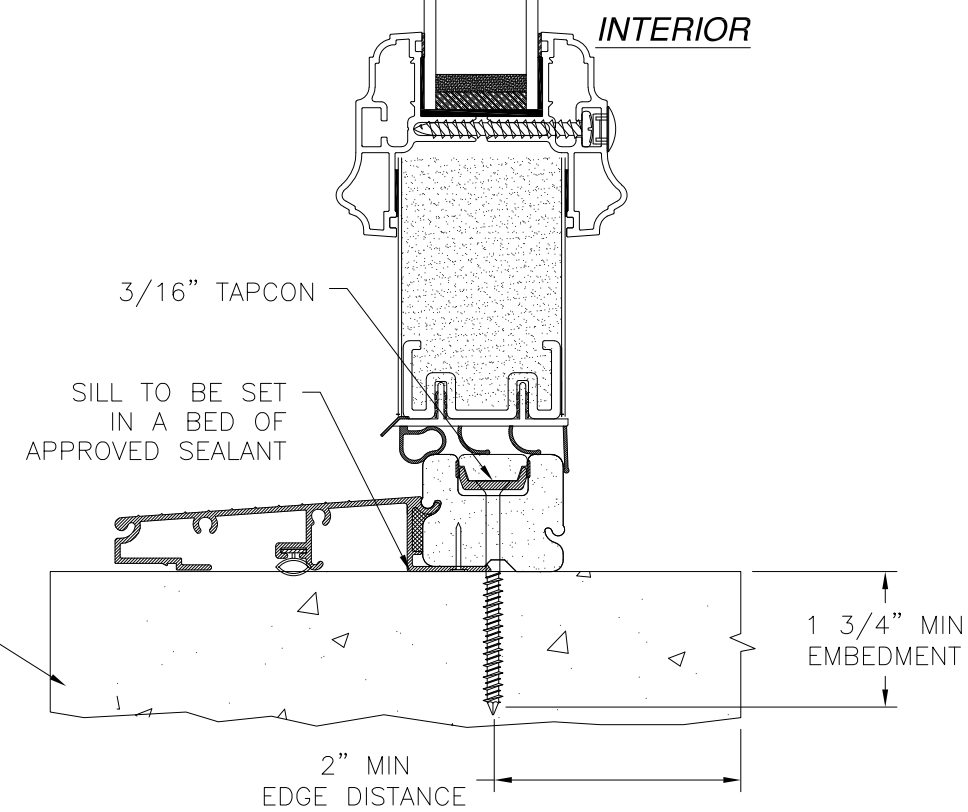
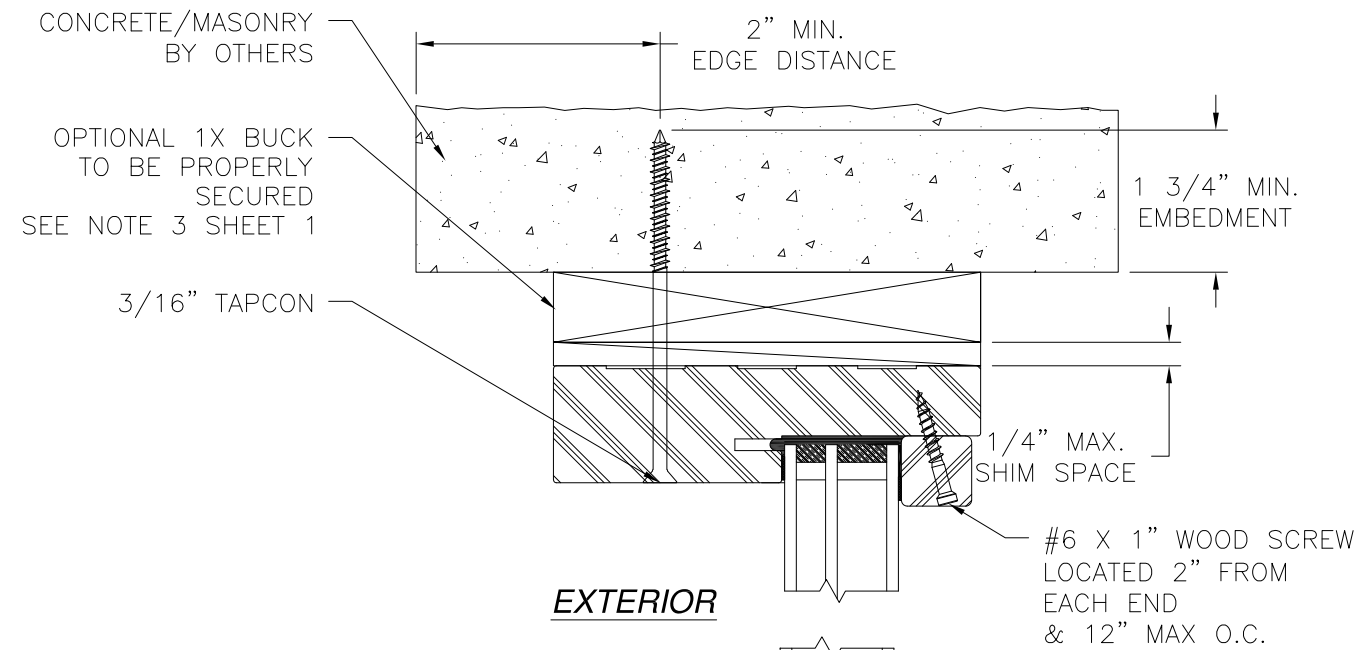
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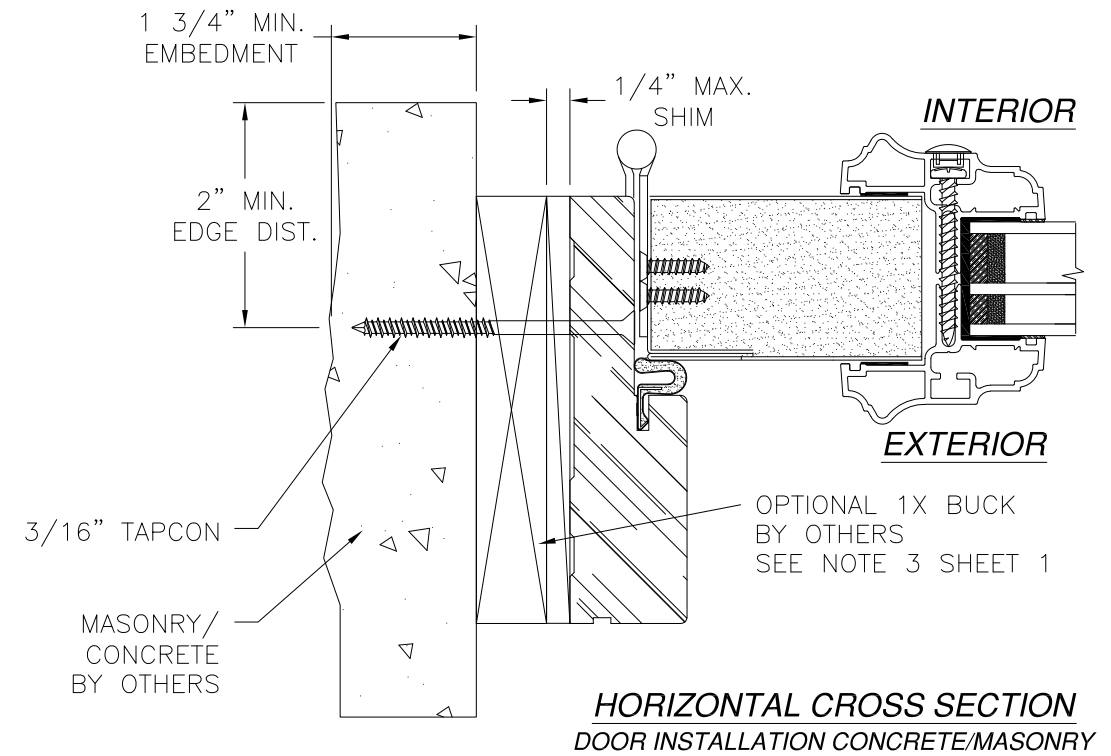
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VERTICAL CROSS SECTION
DOOR AND TRANSOM INSTALLATION MASONRY/CONCRETE
TRANSOM HEAD SHOWN
TRANSOM JAMB SIMILAR

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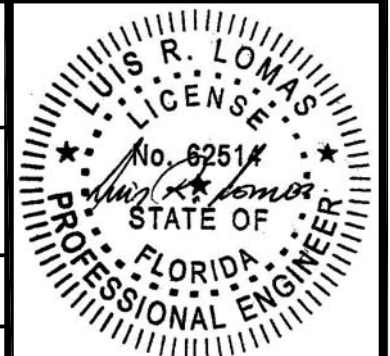
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INSTALLATION DETAILS

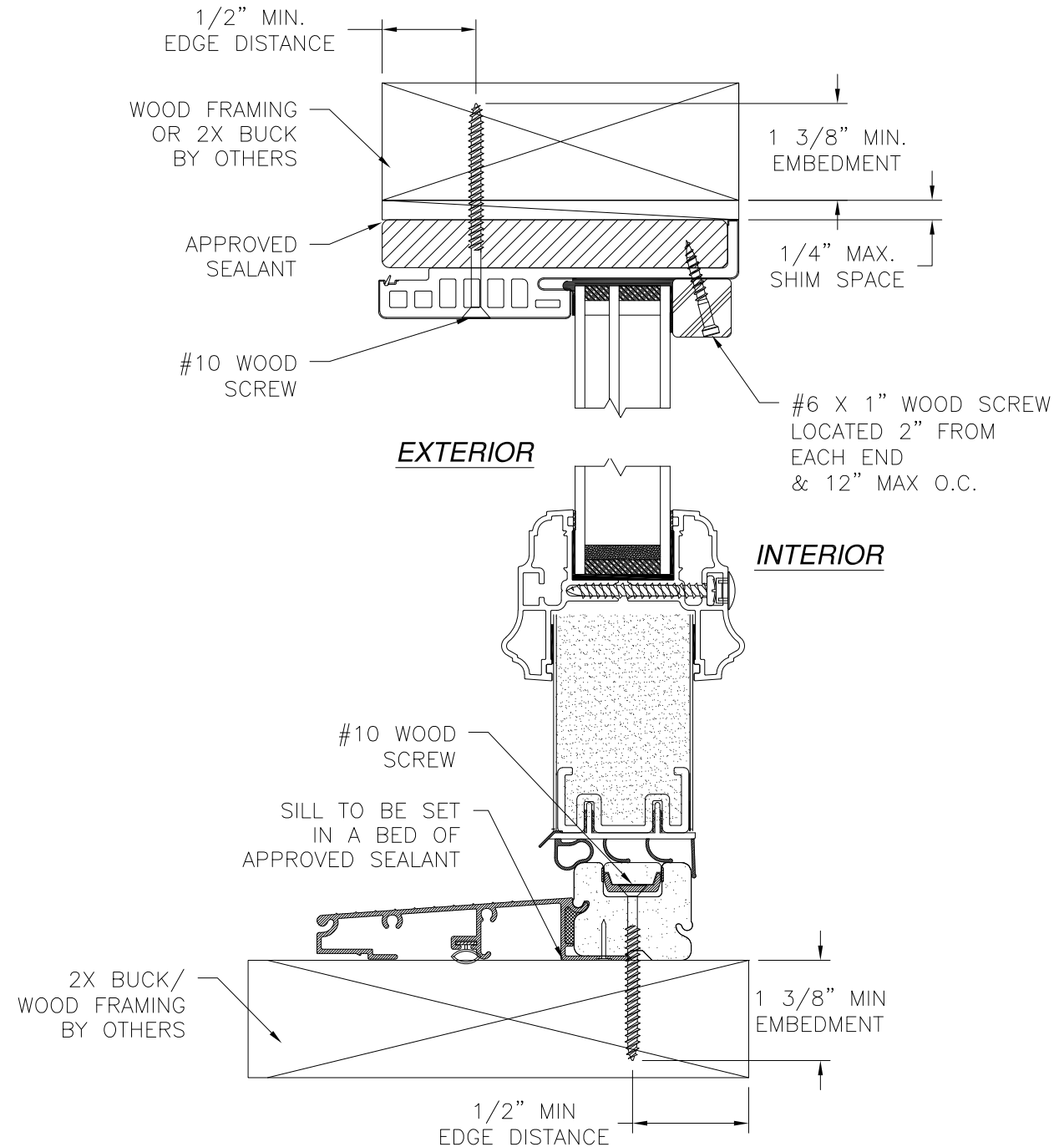
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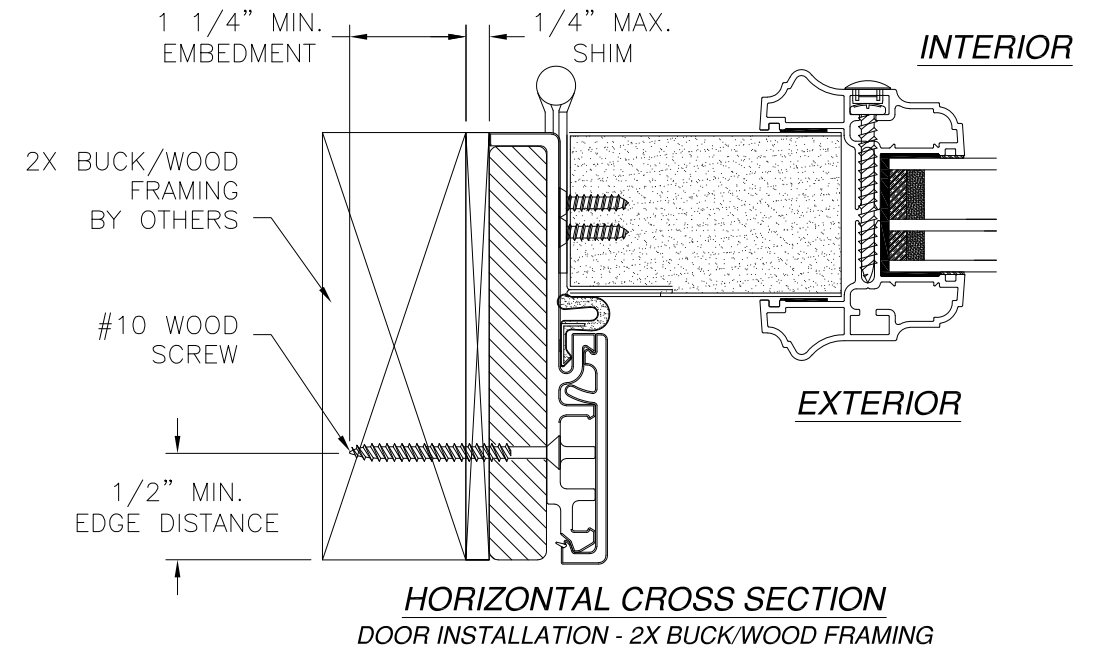


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VERTICAL CROSS SECTION
 DOOR AND TRANSOM INSTALLATION - 2X BUCK/WOOD FRAMING
 TRANSOM HEAD SHOWN
 TRANSOM JAMB SIMILAR



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

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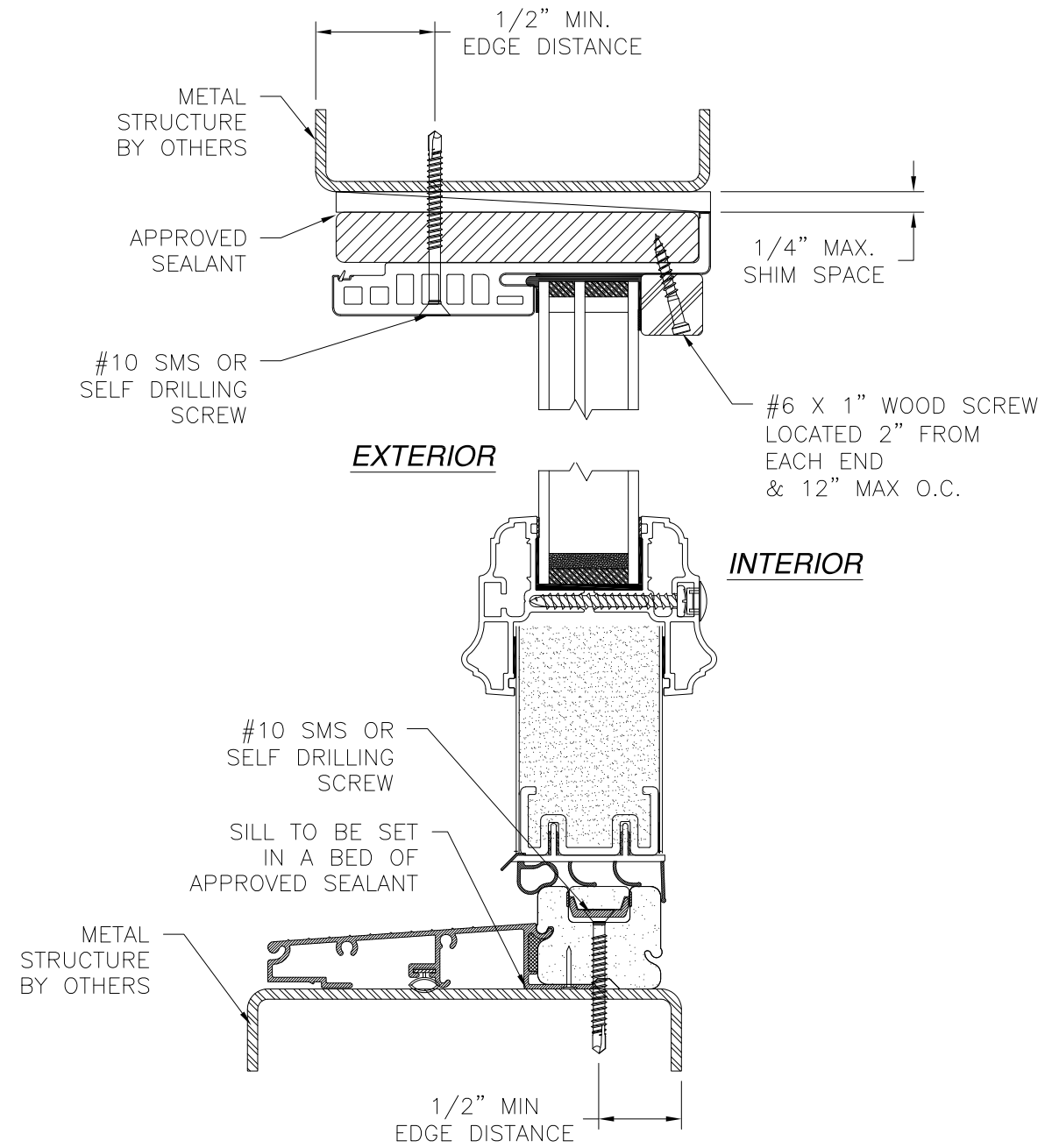
STEEL/FIBERGLASS INSWING GLAZED DOUBLE DOOR
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 INSTALLATION DETAILS W/FUSION FRAME

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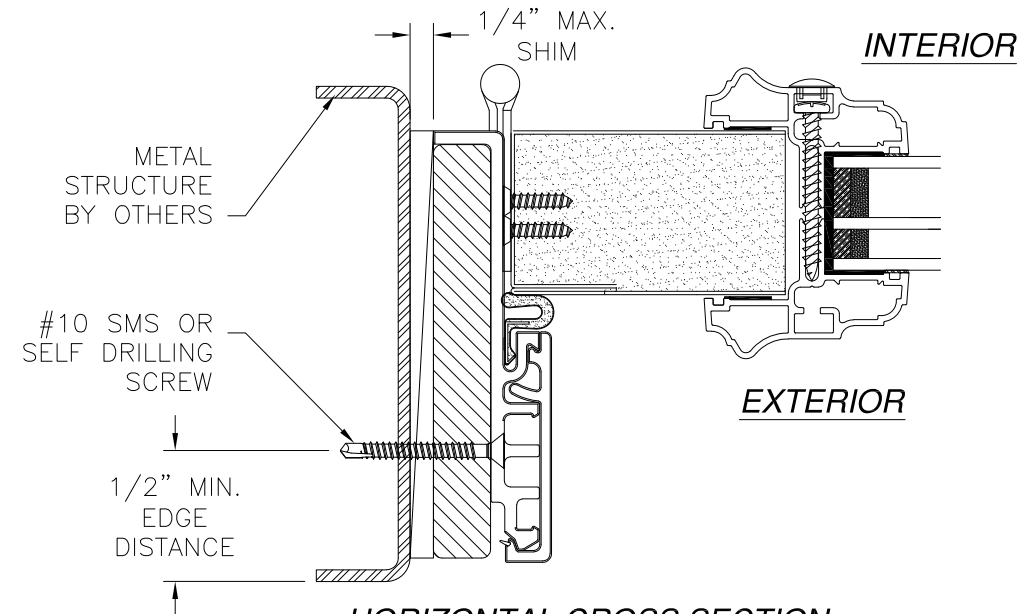
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VERTICAL CROSS SECTION
DOOR AND TRANSOM INSTALLATION - METAL STRUCTURE
 TRANSOM HEAD SHOWN
 TRANSOM JAMB SIMILAR



HORIZONTAL CROSS SECTION
DOOR INSTALLATION - METAL STRUCTURE

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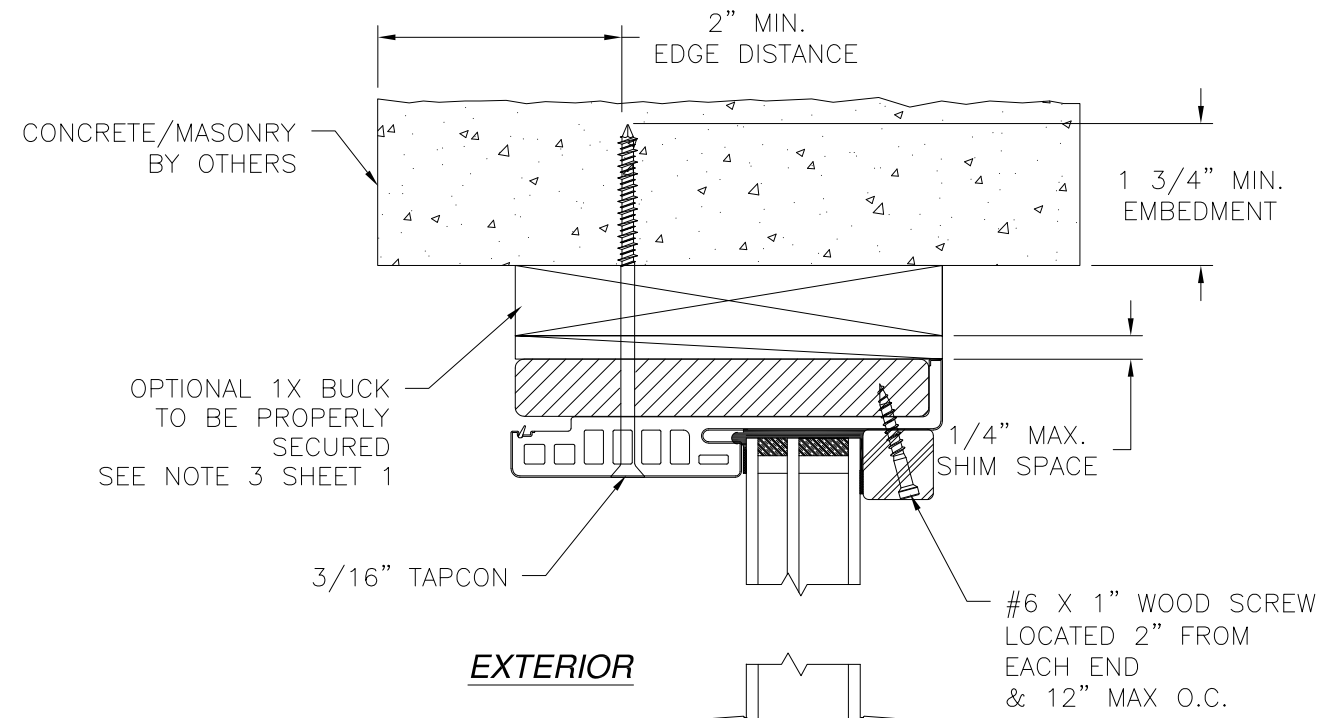
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Professional Engineer Seal for Luis R. Lomas, State of Florida, License No. 62514.

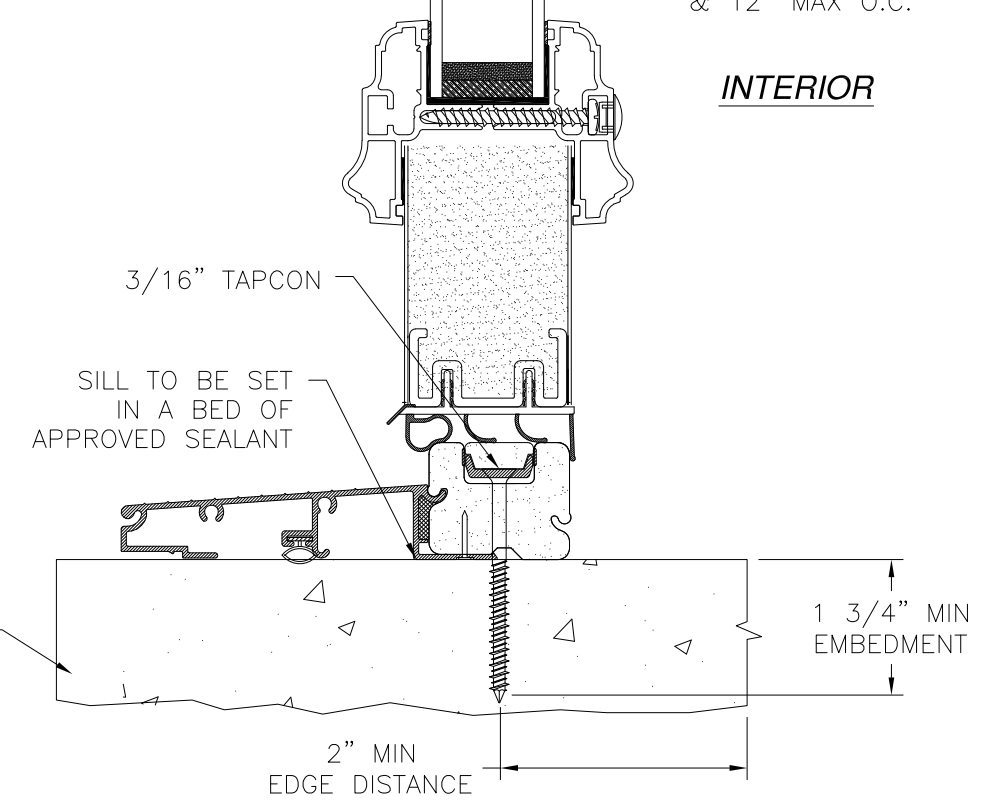
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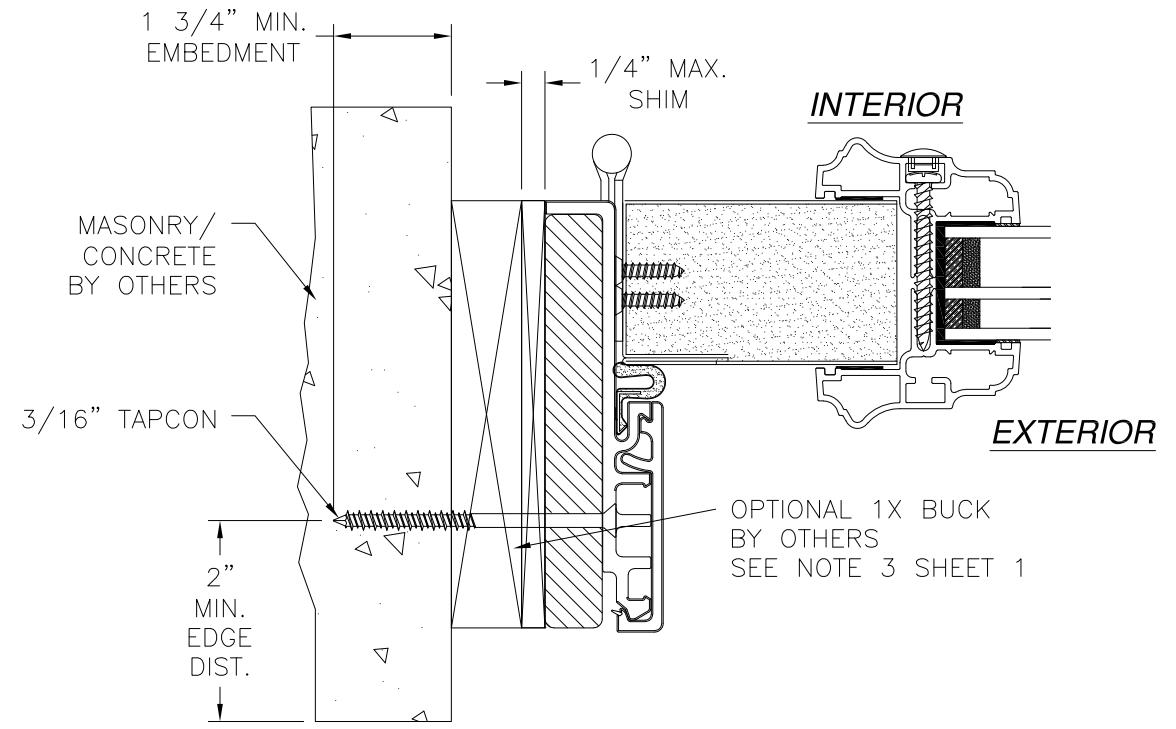


EXTERIOR

INTERIOR



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



HORIZONTAL CROSS SECTION
 DOOR INSTALLATION CONCRETE/MASONRY

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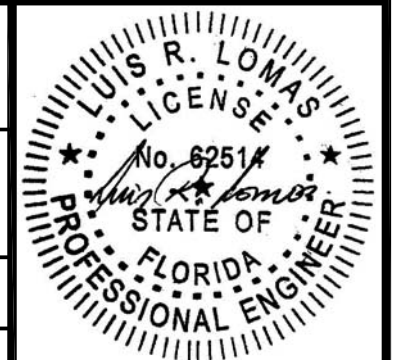
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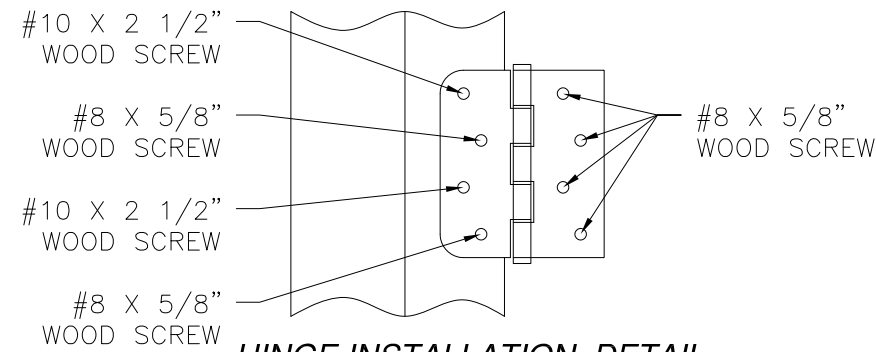
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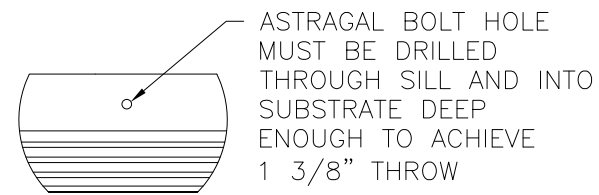


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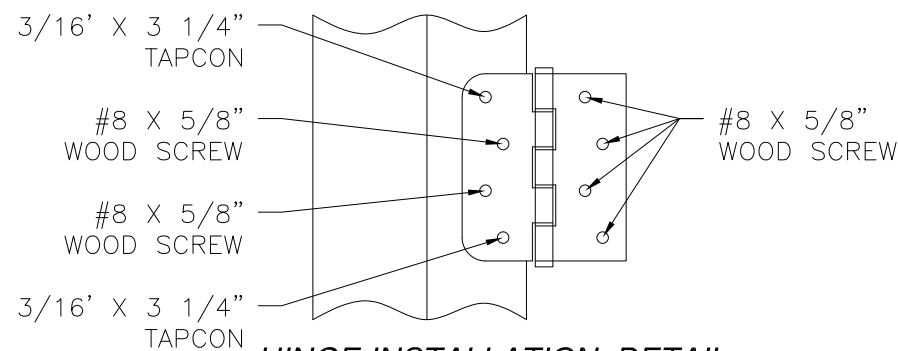
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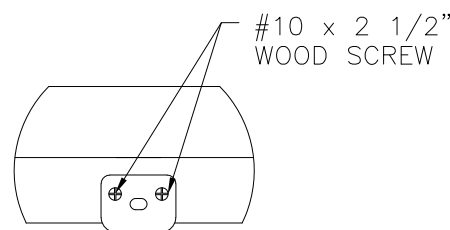
HINGE INSTALLATION DETAIL
2X BUCK/WOOD FRAMING



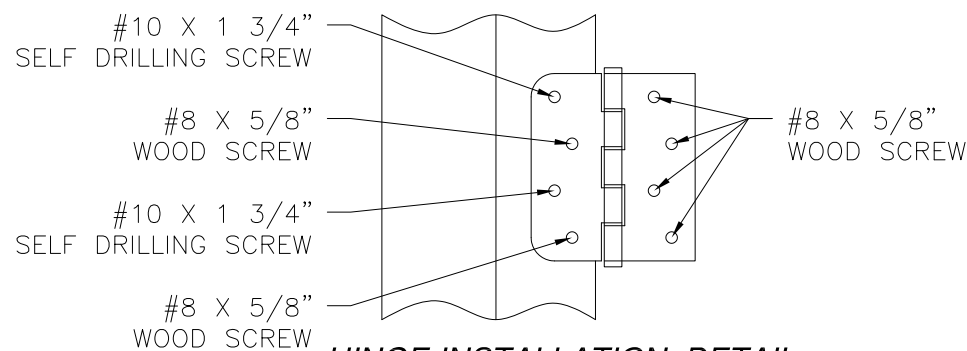
ASTRAGAL SILL DETAIL



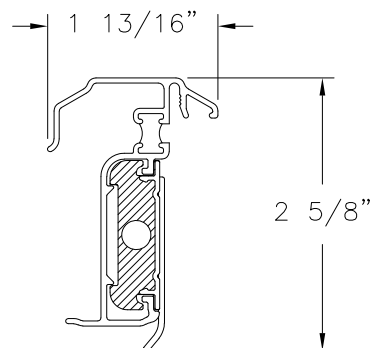
HINGE INSTALLATION DETAIL
MASONRY/CONCRETE



ASTRAGAL HEAD STRIKE DETAIL
2X BUCK/WOOD FRAMING



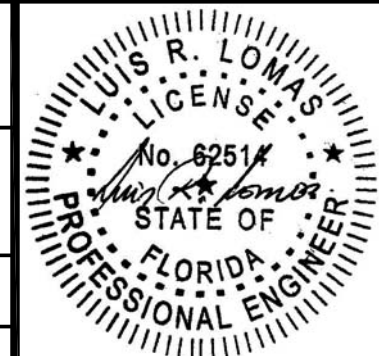
HINGE INSTALLATION DETAIL
METAL STRUCTURE



HURRICANE ASTRAGAL DETAIL

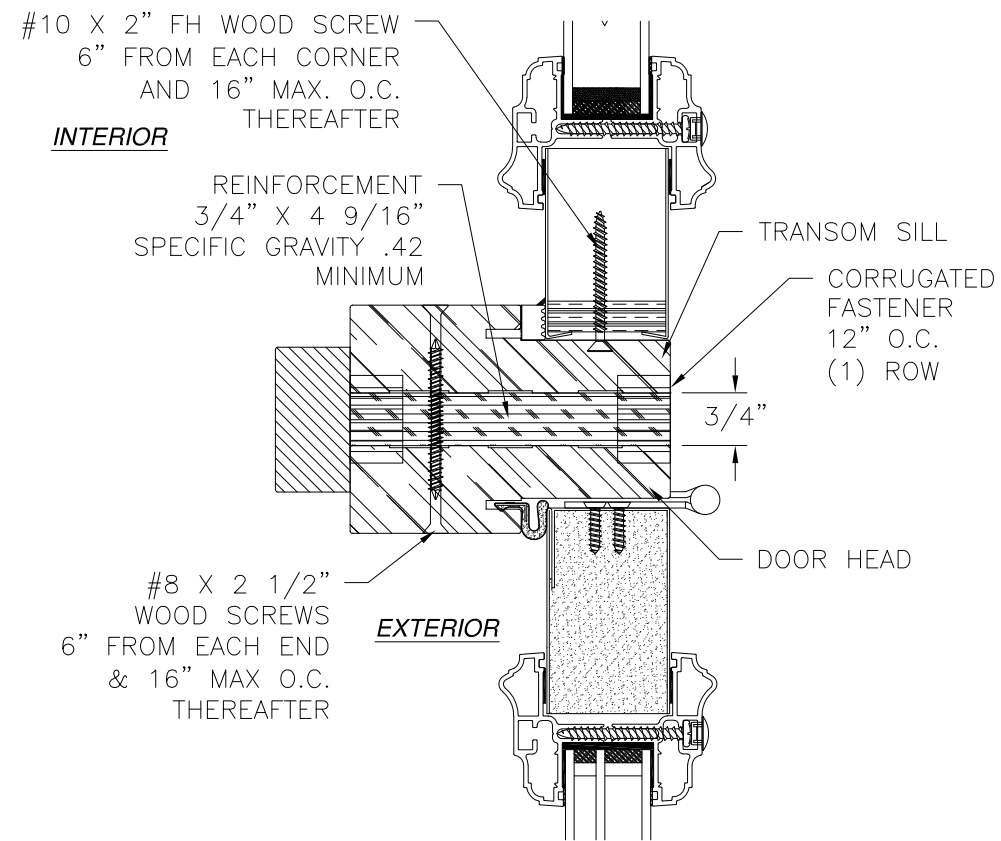
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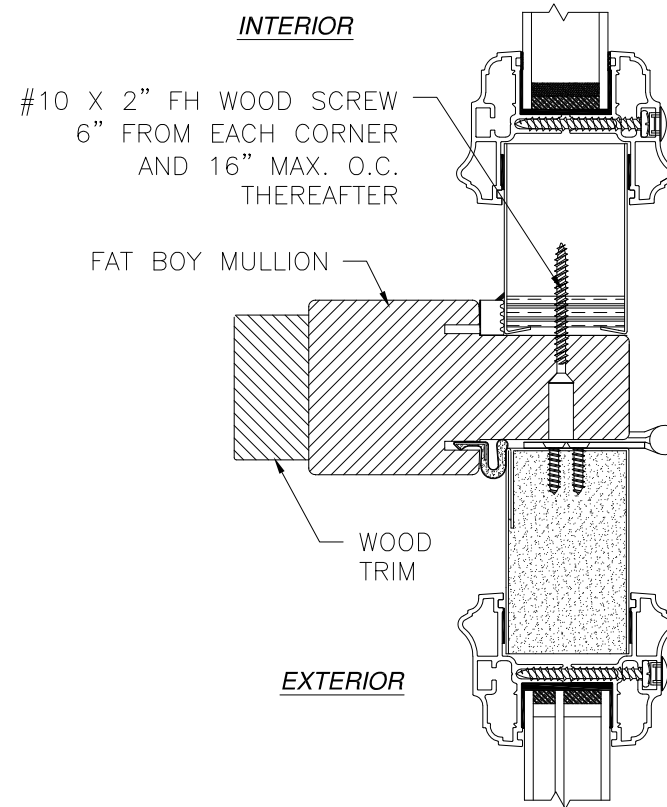


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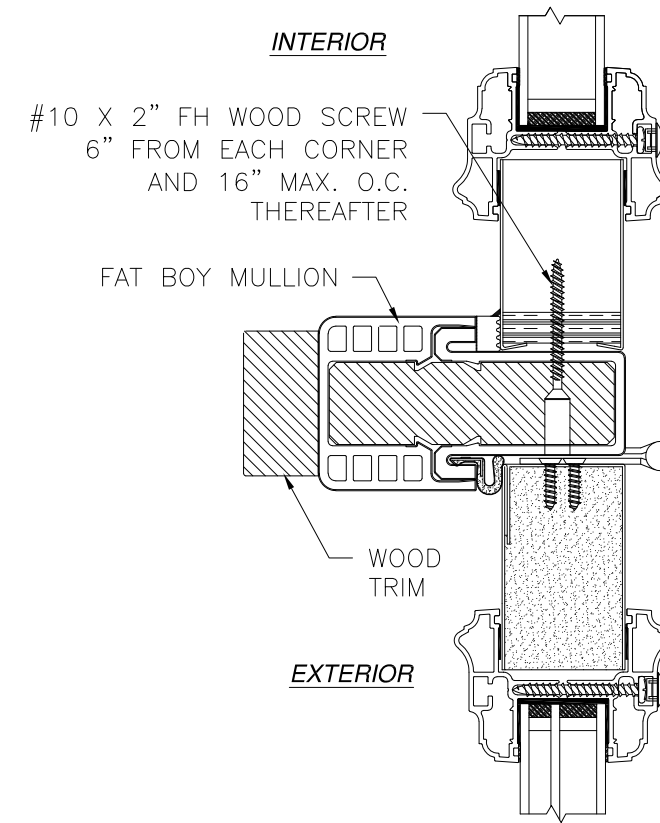
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MULLION DETAIL
STANDARD FRAME SHOWN,
COMPOSITE AND FUSION FRAME SIMILAR



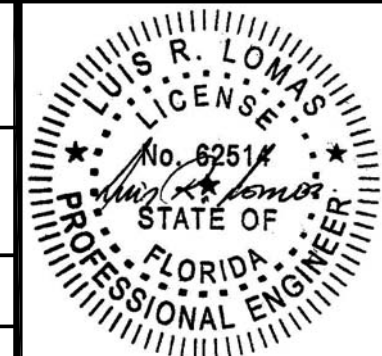
MULLION DETAIL
WITH FAT BOY MULLION



MULLION DETAIL
WITH HYBRID FAT BOY MULLION

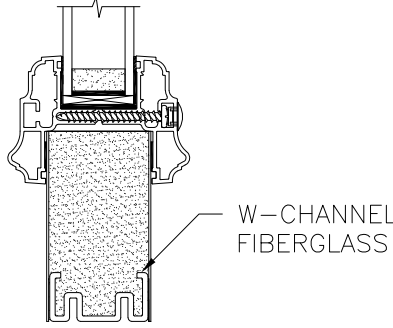
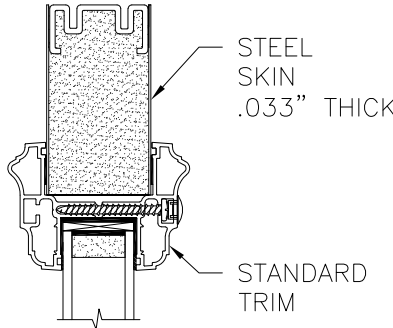
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SCALE NTS	DATE 06/19/13	SHEET 10 OF 14
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@rlomaspe.com		

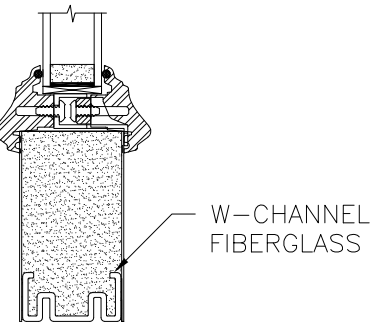
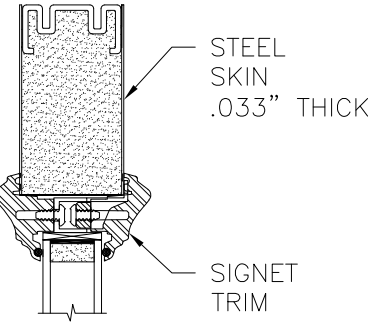


Luis R. Lomas P.E.
FL No.: 62514

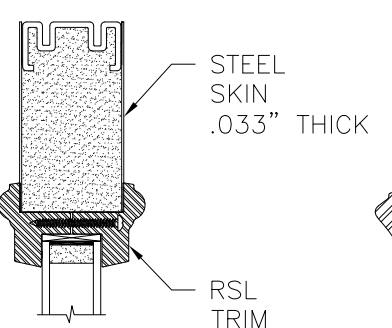
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
J	ADDED GLAZED FIR TRIMS	08/26/2021	R.L.



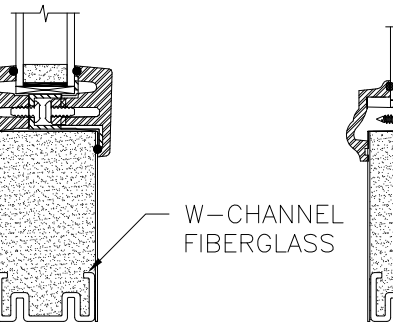
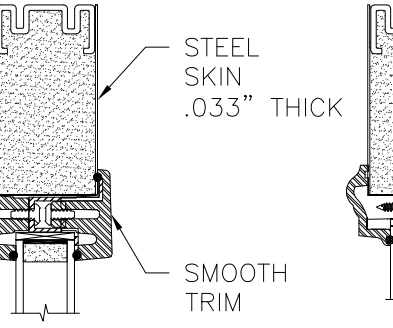
OPTION 1
STANDARD TRIM



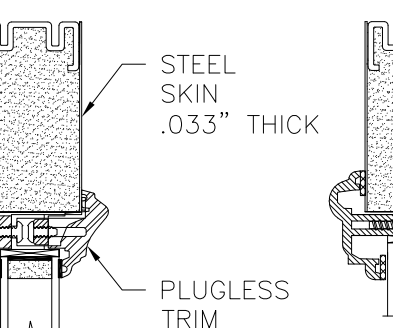
OPTION 3
SMOOTH TRIM



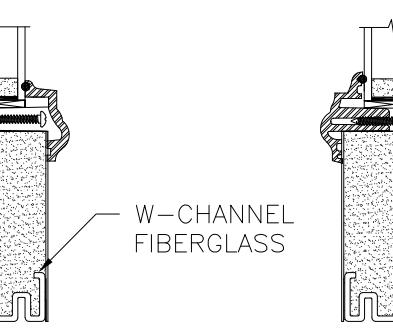
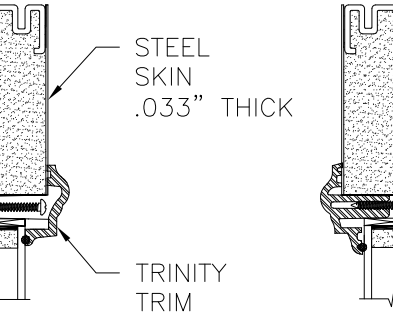
OPTION 5
EVOLVE TRIM



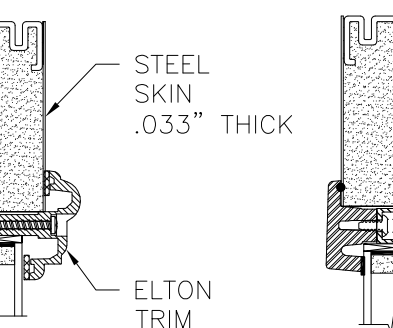
OPTION 6
SPOTLIGHT TRIM



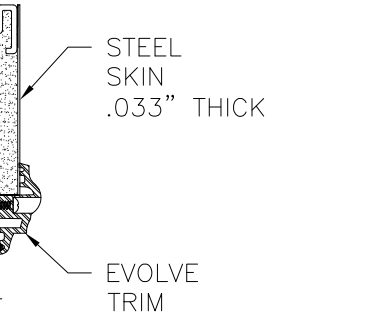
OPTION 8
PLUGLESS TRIM



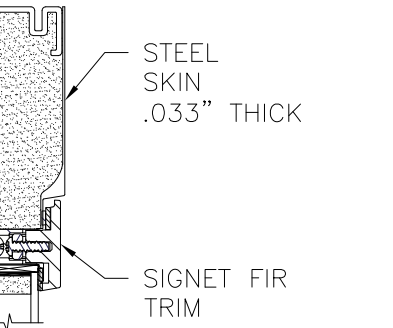
OPTION 9
ELTON TRIM



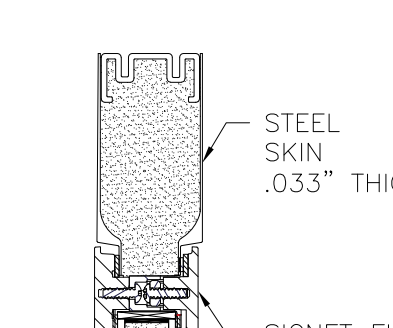
OPTION 11
SIGNET FIR TRIM



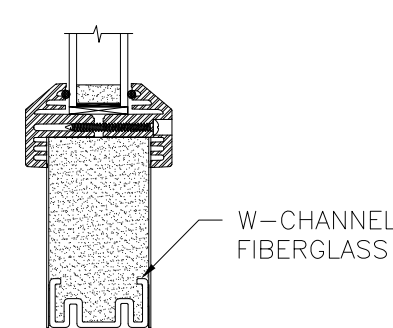
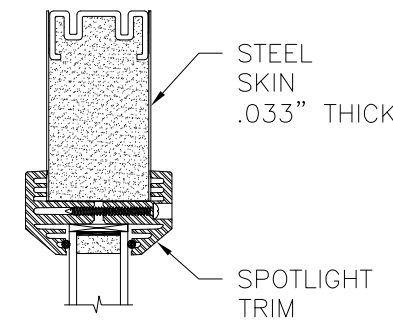
OPTION 12
SIGNET FIR &
DENTIL SHELF TRIM



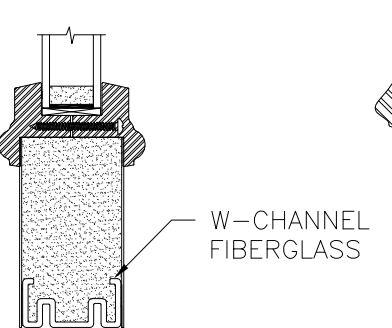
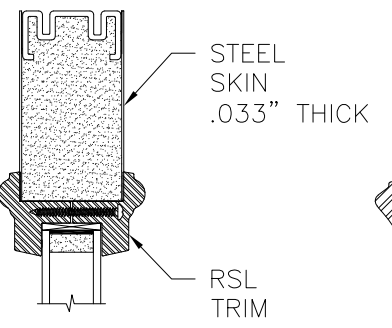
OPTION 12
SIGNET FIR &
DENTIL SHELF TRIM



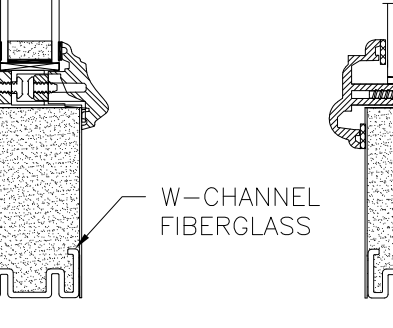
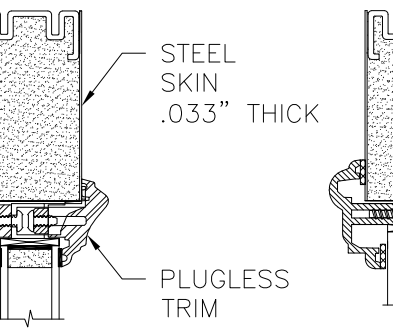
OPTION 12
SIGNET FIR &
DENTIL SHELF TRIM



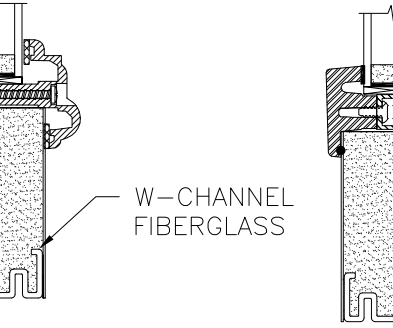
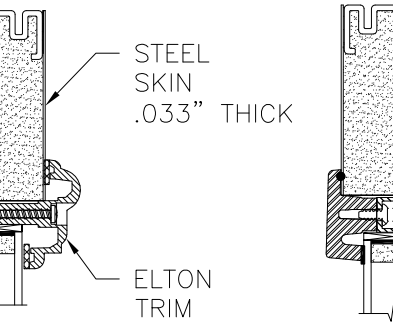
OPTION 1
STANDARD TRIM



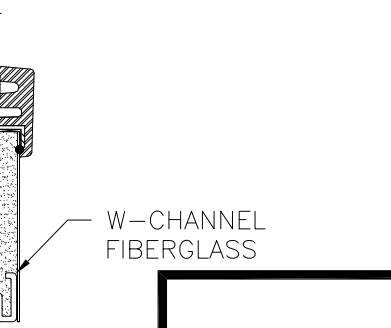
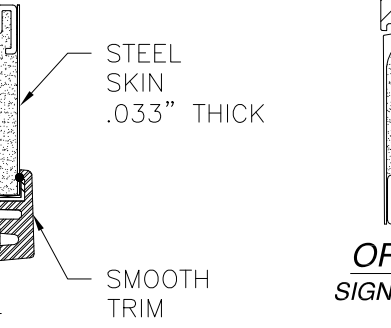
OPTION 3
SMOOTH TRIM



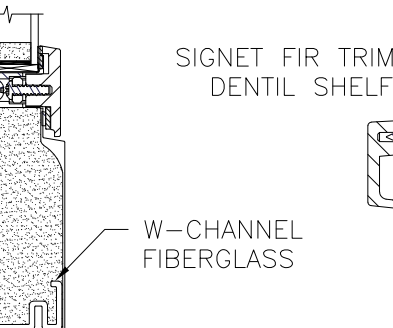
OPTION 6
SPOTLIGHT TRIM



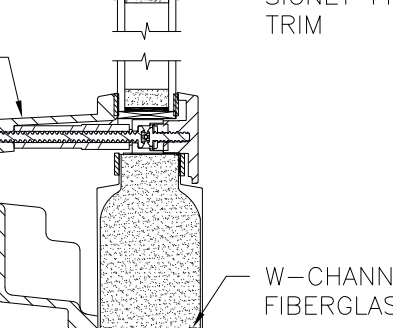
OPTION 8
PLUGLESS TRIM
W/TAPE



OPTION 10
SMOOTH TRIM
W/TAPE



OPTION 11
SIGNET FIR TRIM



OPTION 12
SIGNET FIR &
DENTIL SHELF TRIM

APPROVED SLABS AND TRIMS

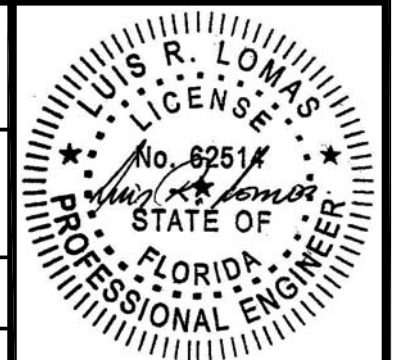
PROVIA, LLC.
2150 STATE ROUTE 39 WEST
SUGARCREEK, OH 44681

STEEL/FIBERGLASS INSWING GLAZED DOUBLE DOOR
W/TRANSOM NON-IMPACT
APPROVED SLABS AND TRIMS

DRAWN: N.G.	DWG NO. 08-02071	REV J
SCALE NTS	DATE 06/19/13	SHEET 11 OF 14

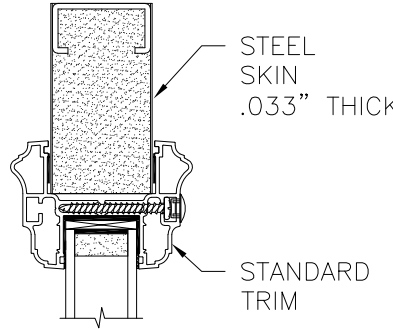
L. ROBERTO LOMAS P.E.
1432 WOODFORD RD LEWISVILLE, NC 27023
434-688-0609 rllomas@rlomaspe.com

SIGNED: 08/26/2021

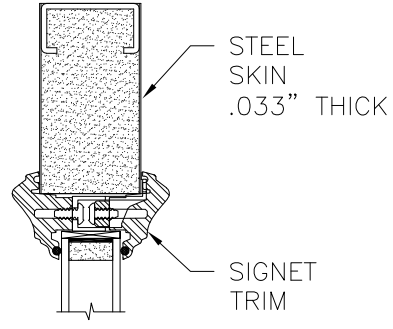


Luis R. Lomas P.E.
FL No.: 62514

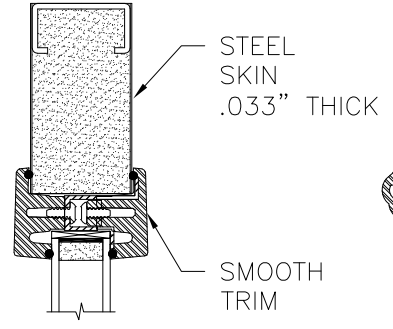
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
J	ADDED GLAZED FIR TRIMS	08/26/2021	R.L.



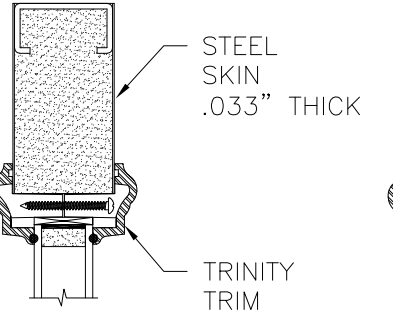
OPTION 13
STANDARD TRIM



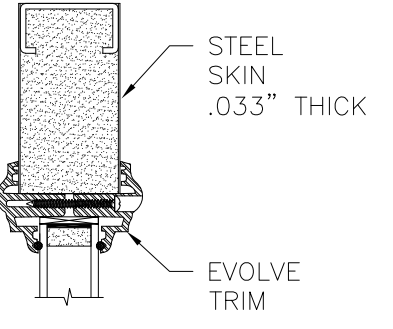
OPTION 14
SIGNET TRIM



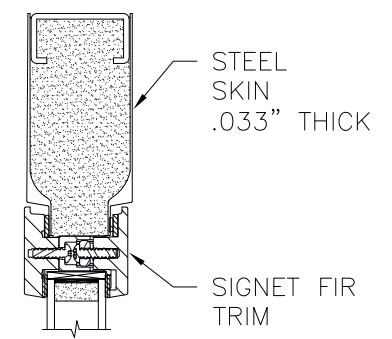
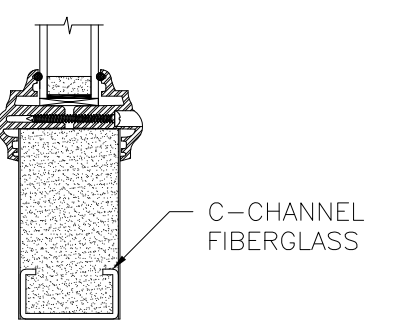
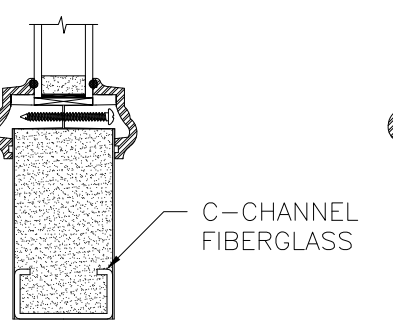
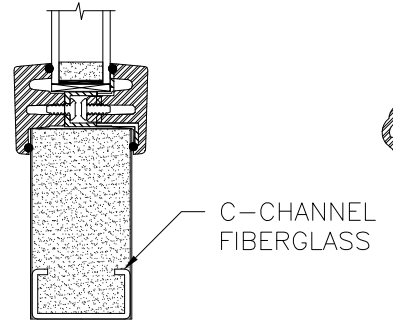
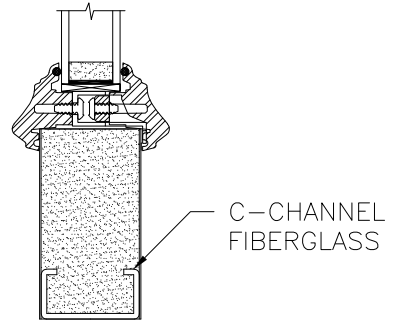
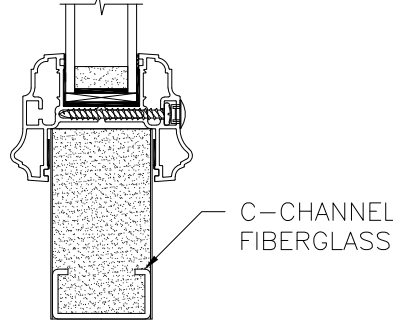
OPTION 15
SMOOTH TRIM



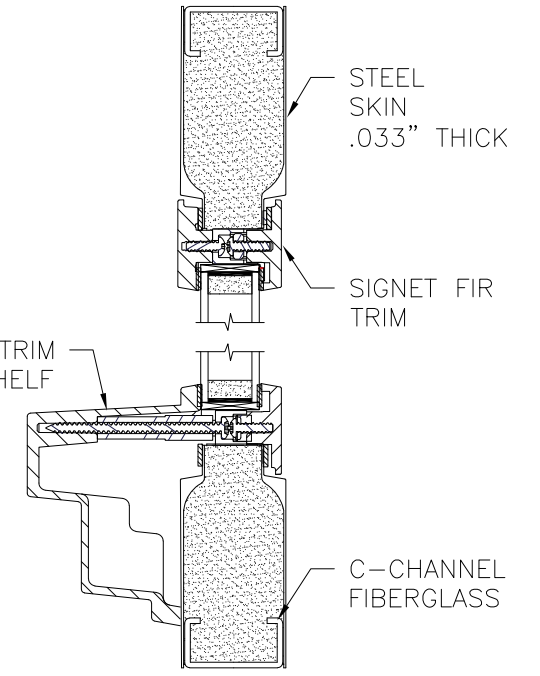
OPTION 16
TRINITY TRIM



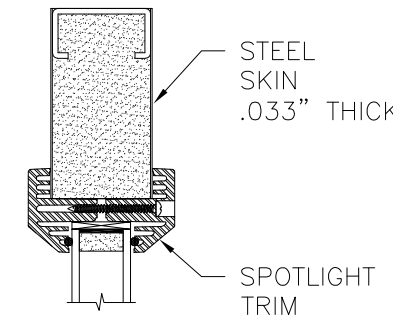
OPTION 17
EVOLVE TRIM



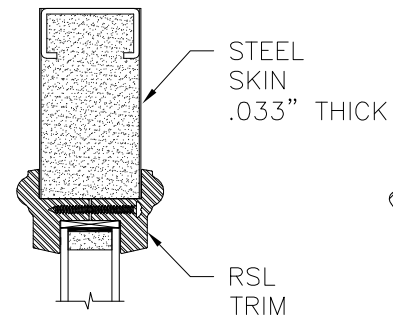
OPTION 23
SIGNET FIR TRIM



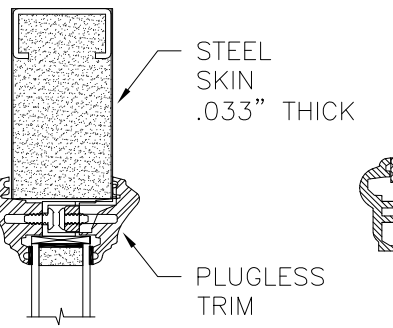
OPTION 24
SIGNET FIR &
DENTIL SHELF TRIM



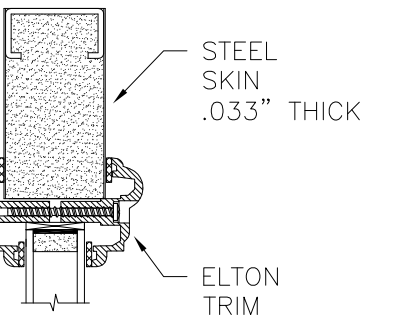
OPTION 18
SPOTLIGHT TRIM



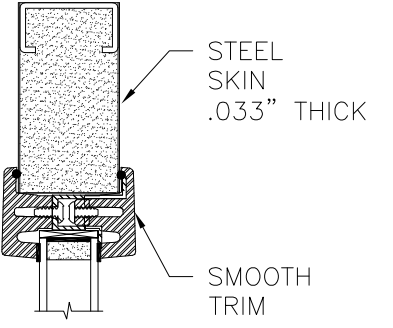
OPTION 19
RSL TRIM



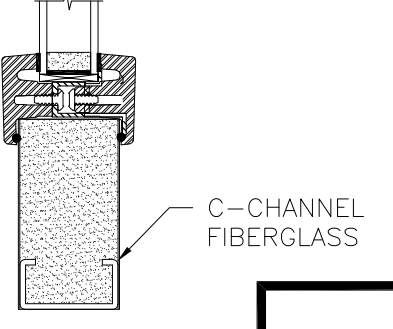
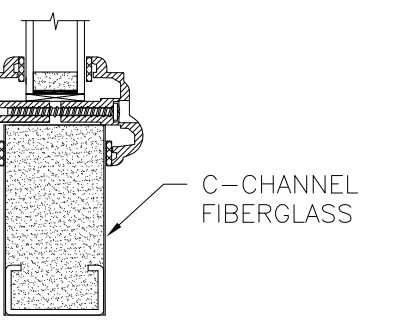
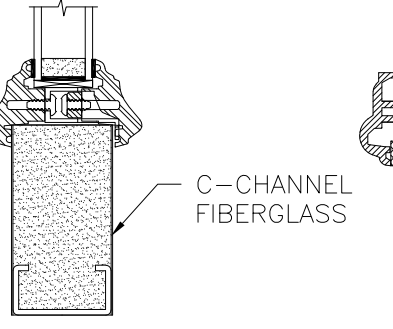
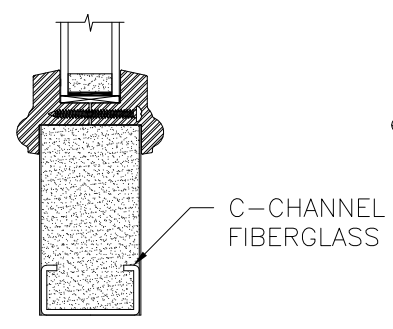
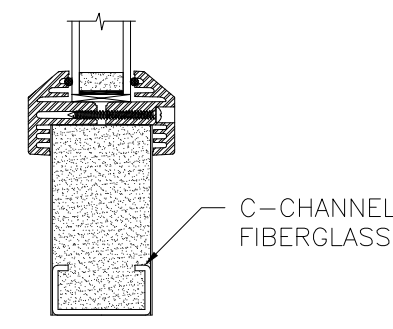
OPTION 20
PLUGLESS TRIM
W/TAPE



OPTION 21
ELTON TRIM



OPTION 22
SMOOTH TRIM
W/TAPE



APPROVED SLABS AND TRIMS

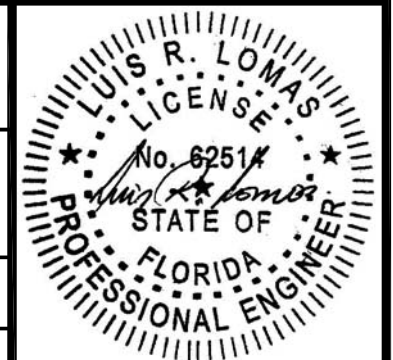
PROVIA, LLC.
2150 STATE ROUTE 39 WEST
SUGARCREEK, OH 44681

STEEL/FIBERGLASS INSWING GLAZED DOUBLE DOOR
W/TRANSOM NON-IMPACT
APPROVED SLABS AND TRIMS

DRAWN: N.G.	DWG NO. 08-02071	REV J
SCALE NTS	DATE 06/19/13	SHEET 12 OF 14

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

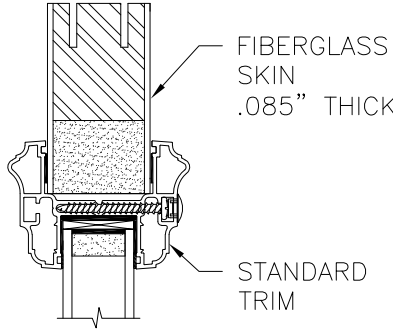
SIGNED: 08/26/2021



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



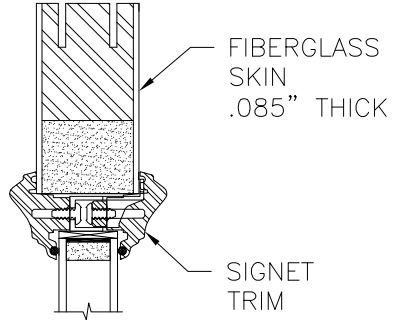
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
J	ADDED GLAZED FIR TRIMS	08/26/2021	R.L.



FIBERGLASS SKIN
.085" THICK

STANDARD TRIM

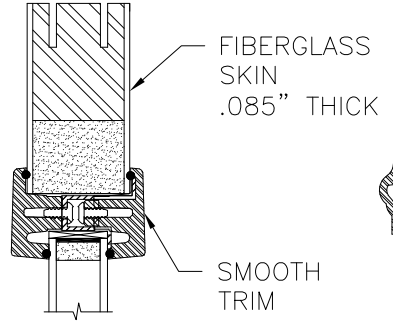
OPTION 25
STANDARD TRIM



FIBERGLASS SKIN
.085" THICK

SIGNET TRIM

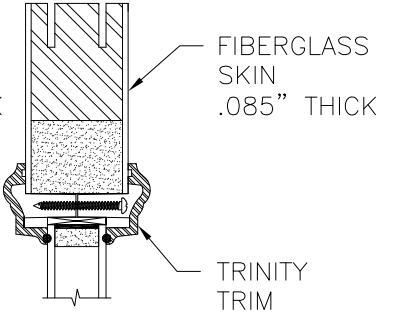
OPTION 26
SIGNET TRIM



FIBERGLASS SKIN
.085" THICK

SMOOTH TRIM

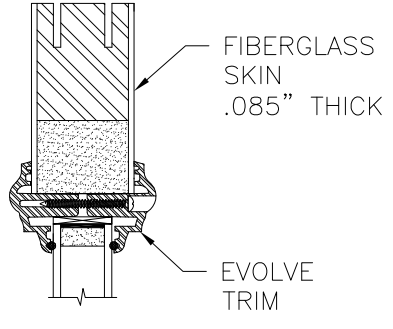
OPTION 27
SMOOTH TRIM



FIBERGLASS SKIN
.085" THICK

TRINITY TRIM

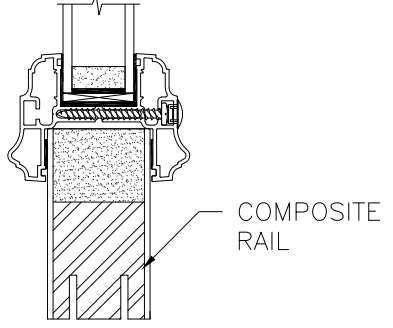
OPTION 28
TRINITY TRIM



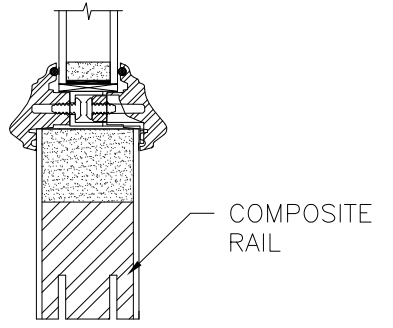
FIBERGLASS SKIN
.085" THICK

EVOLVE TRIM

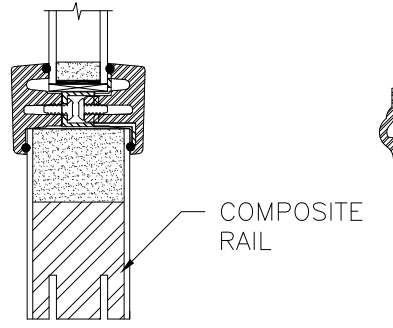
OPTION 29
EVOLVE TRIM



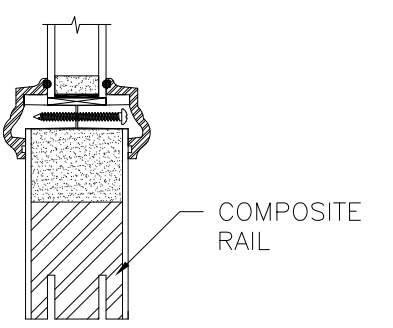
COMPOSITE RAIL



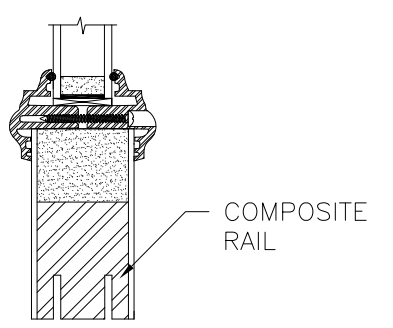
COMPOSITE RAIL



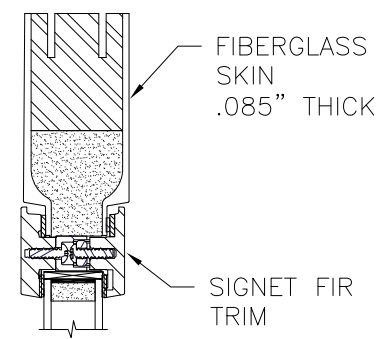
COMPOSITE RAIL



COMPOSITE RAIL



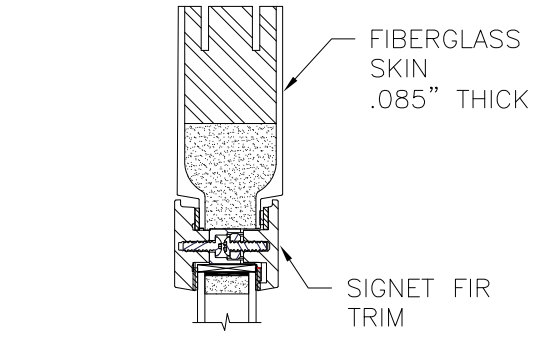
COMPOSITE RAIL



FIBERGLASS SKIN
.085" THICK

SIGNET FIR TRIM

OPTION 35
SIGNET FIR TRIM



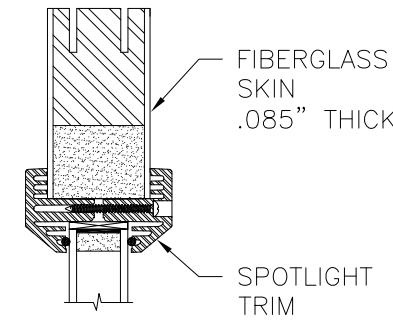
FIBERGLASS SKIN
.085" THICK

SIGNET FIR TRIM

SIGNET FIR TRIM
DENTIL SHELF

COMPOSITE RAIL

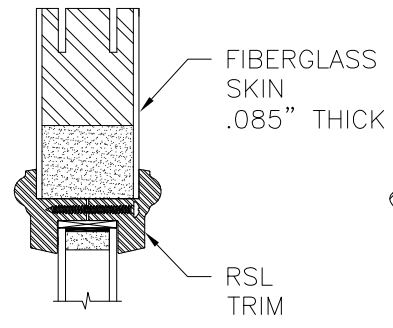
OPTION 36
SIGNET FIR &
DENTIL SHELF TRIM



FIBERGLASS SKIN
.085" THICK

SPOTLIGHT TRIM

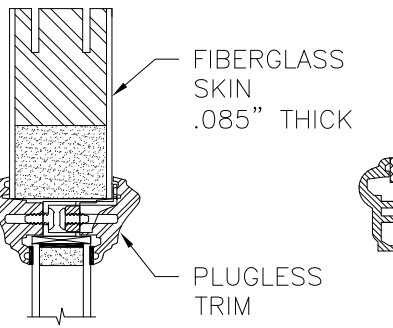
OPTION 30
SPOTLIGHT TRIM



FIBERGLASS SKIN
.085" THICK

RSL TRIM

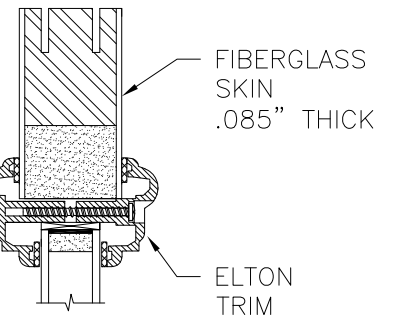
OPTION 31
RSL TRIM



FIBERGLASS SKIN
.085" THICK

PLUGLESS TRIM

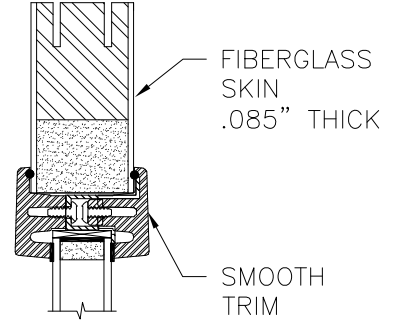
OPTION 32
PLUGLESS TRIM
W/TAPE



FIBERGLASS SKIN
.085" THICK

ELTON TRIM

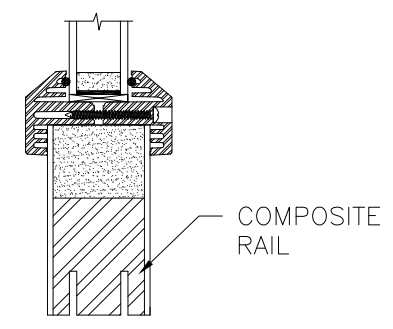
OPTION 33
ELTON TRIM



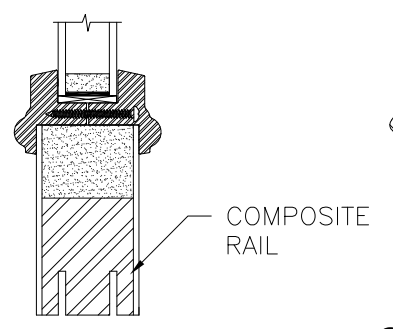
FIBERGLASS SKIN
.085" THICK

SMOOTH TRIM

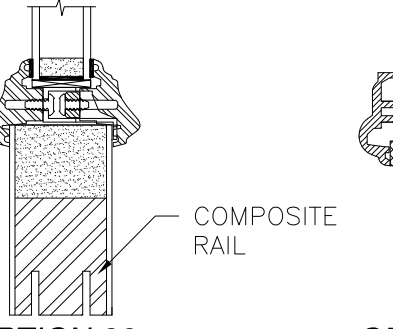
OPTION 34
SMOOTH TRIM
W/TAPE



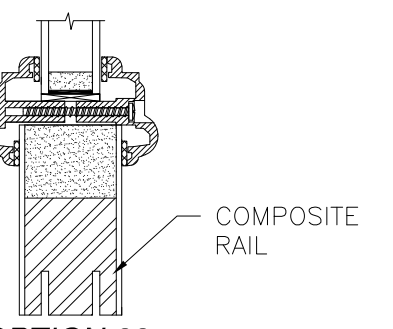
COMPOSITE RAIL



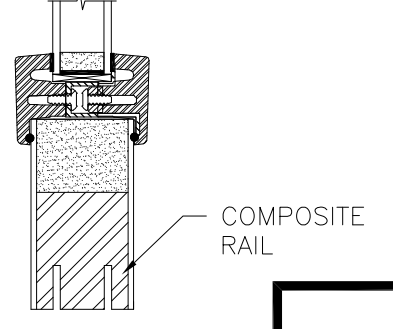
COMPOSITE RAIL



COMPOSITE RAIL



COMPOSITE RAIL



COMPOSITE RAIL

APPROVED SLABS AND TRIMS

SIGNED: 08/26/2021

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

STEEL/FIBERGLASS INSWING GLAZED DOUBLE DOOR
W/TRANSOM NON-IMPACT
APPROVED SLABS AND TRIMS

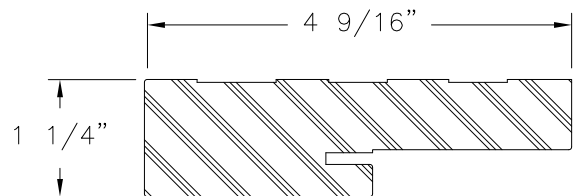
DRAWN: N.G.	DWG NO. 08-02071	REV J
SCALE NTS	DATE 06/19/13	SHEET 13 OF 14

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

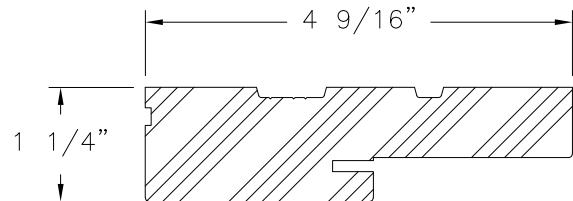
LUIS R. LOMAS
LICENSED PROFESSIONAL ENGINEER
No. 62514
STATE OF FLORIDA

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

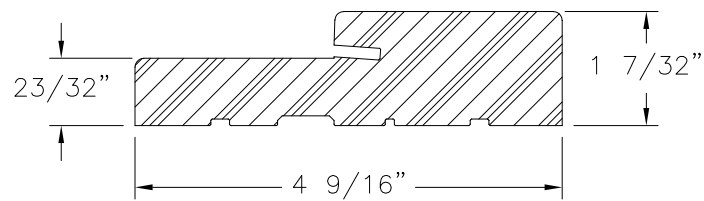




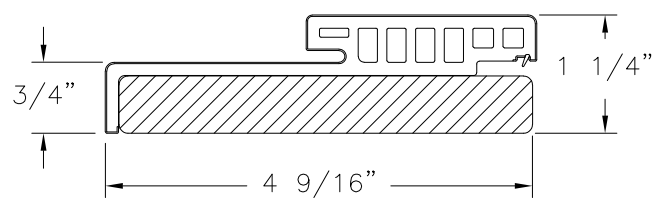
COMPOSITE FRAME PROFILE



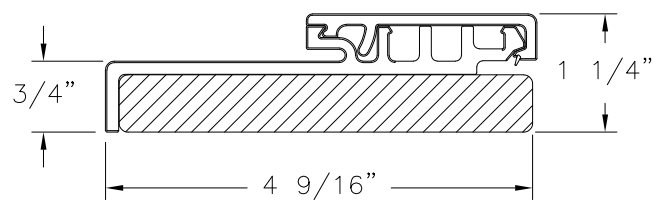
WOOD FRAME PROFILE



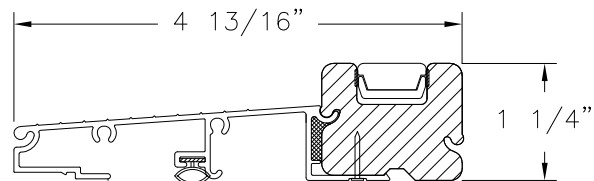
**FRAMESAVER
COMPOSITE**



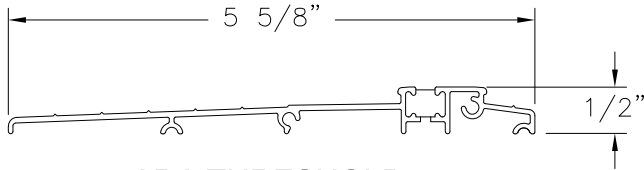
**HYBRID HEAD
WOOD/COMPOSITE**



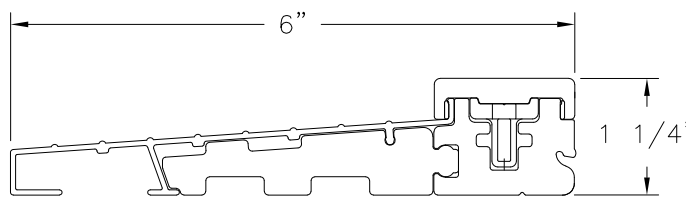
**HYBRID JAMB
WOOD/COMPOSITE**



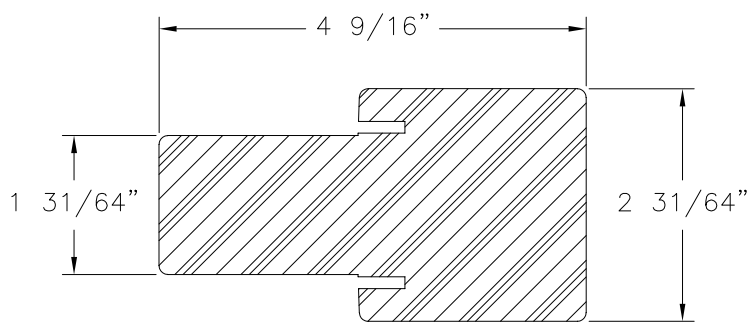
SAHARA INSWING THRESHOLD



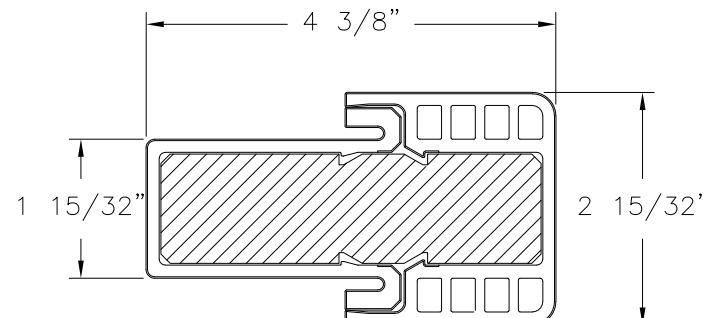
ADA THRESHOLD



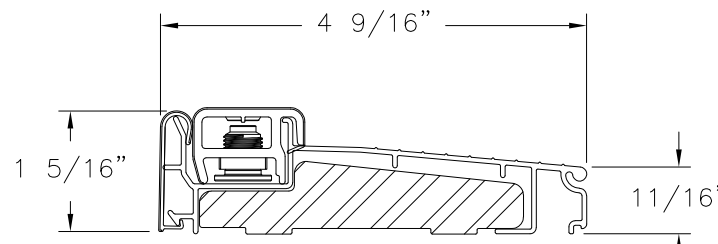
STANDARD INSWING THRESHOLD



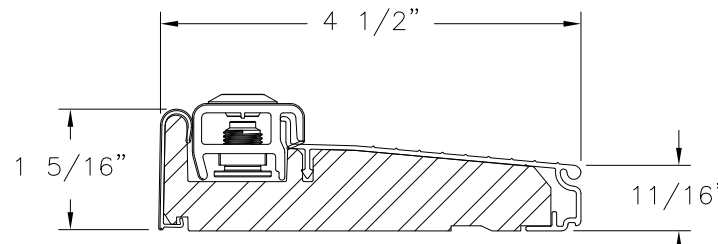
**FAT BOY MULLION
COMPOSITE**



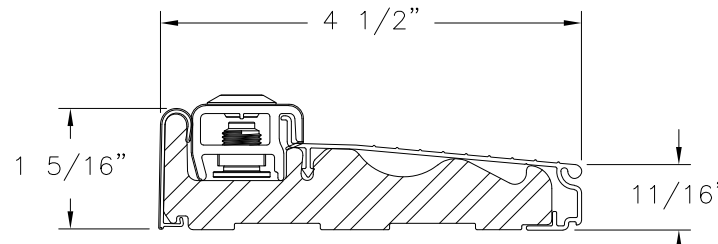
**HYBRID FAT BOY MULLION
COMPOSITE**



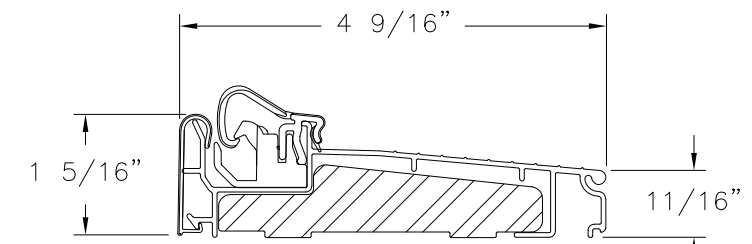
INSWING SILL ZAIL4565



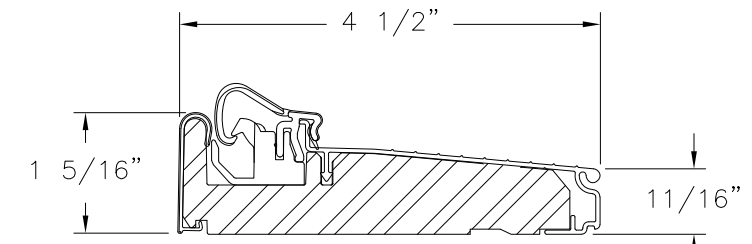
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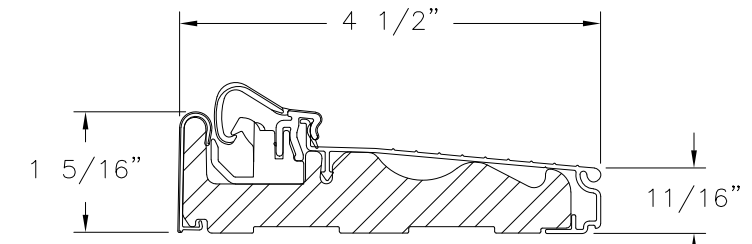
INSWING SILL ZAILH4565



INSWING SILL ZACL4565



INSWING SILL ZAC4565F



INSWING SILL ZACLH4565

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
J	ADDED GLAZED FIR TRIMS	08/26/2021	R.L.

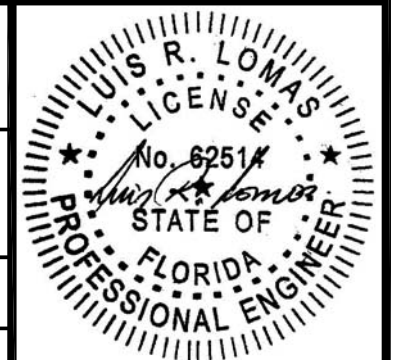
PROVIA, LLC.
2150 STATE ROUTE 39 WEST
SUGARCREEK, OH 44681

STEEL/FIBERGLASS INSWING GLAZED DOUBLE DOOR
W/TRANSOM NON-IMPACT
COMPONENTS

DRAWN: N.G.	DWG NO. 08-02071	REV J
SCALE NTS	DATE 06/19/13	SHEET 14 OF 14

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

SIGNED: 08/26/2021



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