

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

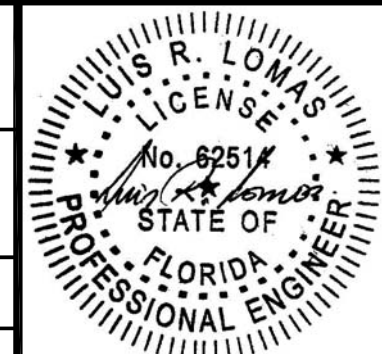
NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE FLORIDA BUILDING CODE.
2. WOOD FRAMING, METAL STRUCTURE AND MASONRY OPENING TO BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO STRUCTURE. FRAMING AND MASONRY OPENING IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
3. 1X BUCK OVER MASONRY/CONCRETE IS OPTIONAL. WHERE 1X BUCK IS NOT USED DISSIMILAR MATERIALS MUST BE SEPARATED WITH APPROVED COATING OR MEMBRANE. SELECTION OF COATING OR MEMBRANE IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
4. ALLOWABLE STRESS INCREASE OF 1/3 WAS NOT USED IN THE DESIGN OF THE PRODUCT SHOWN HEREIN. WIND LOAD DURATION FACTOR Cd=1.6 WAS USED FOR WOOD ANCHOR CALCULATIONS.
5. FRAME MATERIAL: WOOD WITH G=.46 MINIMUM SPECIFIC GRAVITY, OR COMPOSITE, OR FRAMESAVER.  
DOOR SKIN MATERIAL: STEEL .033" THICK (MINIMUM), FIBERGLASS .085" THICK (MINIMUM)  
SIDELITE SKIN MATERIAL: STEEL .022" THICK (MINIMUM)
6. UNITS MUST BE GLAZED PER ASTM E1300, WITH SAFETY GLAZING.
7. APPROVED IMPACT PROTECTIVE SYSTEM IS REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS.
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

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SHEET NO.	DESCRIPTION
1	NOTES
2	ELEVATION, ANCHORING LAYOUT & APPROVED CONFIGURATION
3 – 8	INSTALLATION DETAILS
9 – 11	COMPONENTS

<b>PROVIA, LLC.</b> 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
STEEL/FIBERGLASS INSWING GLAZED SINGLE DOOR W/TRANSOM NON-IMPACT NOTES		
DRAWN: N.G.	DWG NO. 08-02068	REV I
SCALE NTS	DATE 06/18/13	SHEET 1 OF 14
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@rlomaspe.com		

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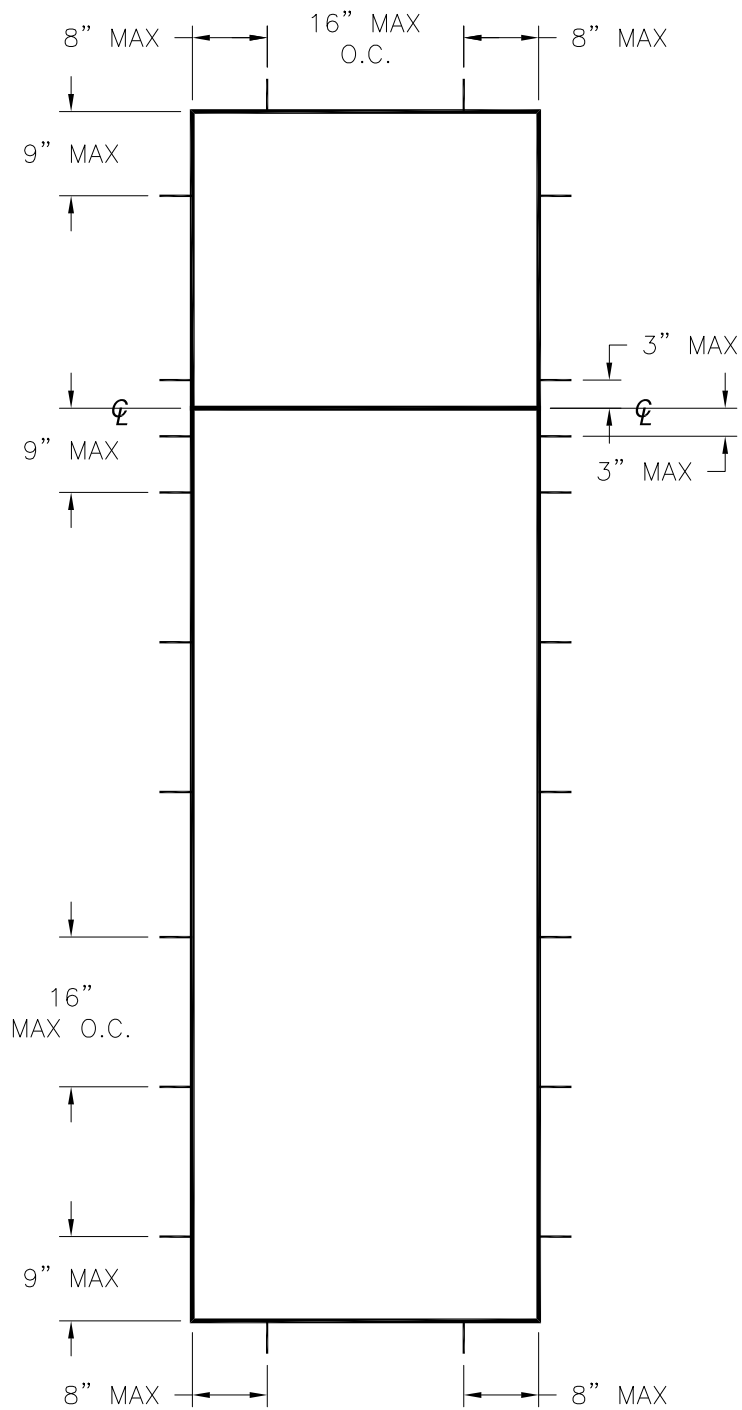


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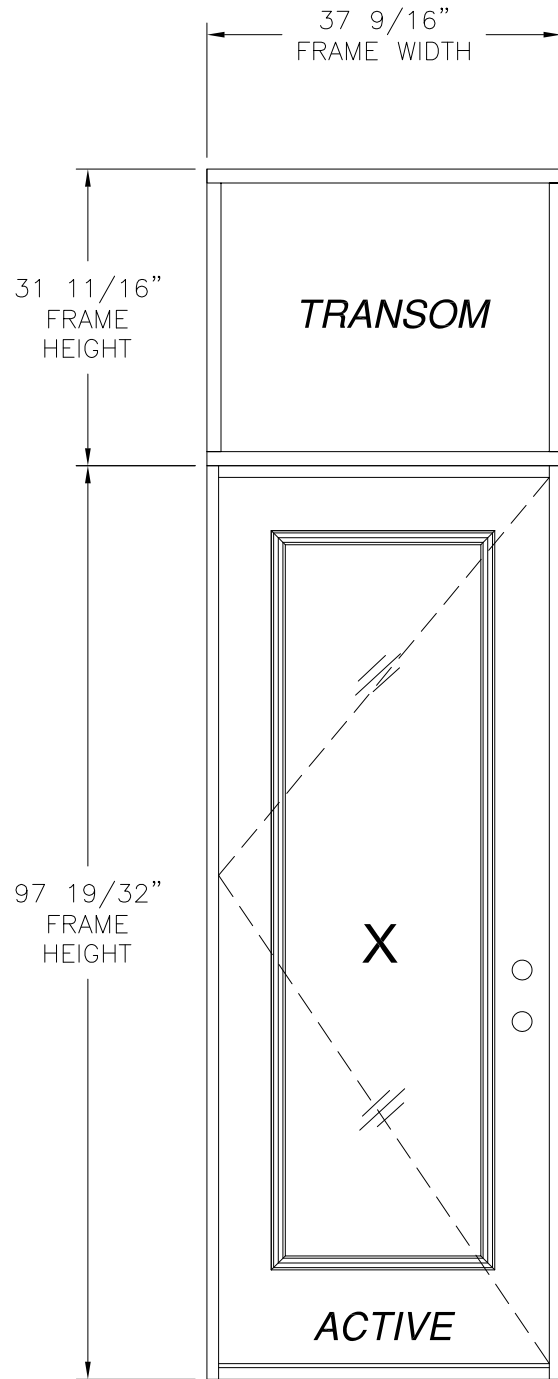
**HARDWARE SCHEDULE**

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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**ANCHORING LAYOUT**



**SINGLE DOOR W/ TRANSOM  
EXTERIOR VIEW**

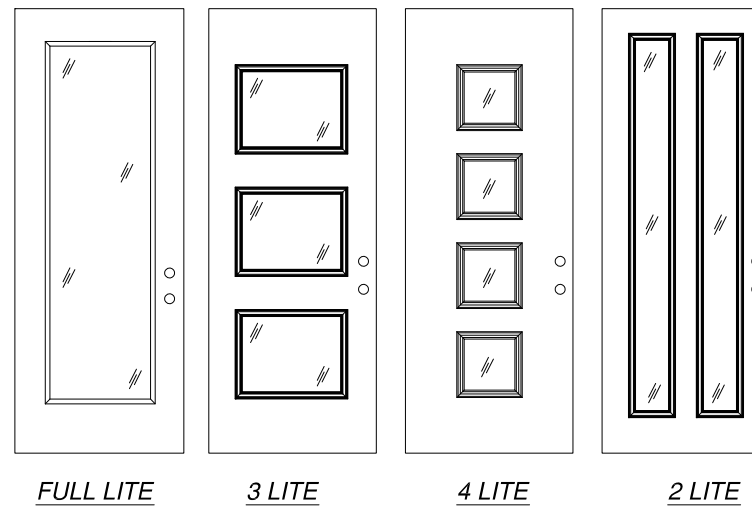
DESIGN PRESSURE RATING	IMPACT RATING
<b>±55.0PSF</b>	<b>NONE</b>
<small>THIS SYSTEM WAS NOT TESTED FOR WATER INFILTRATION AND IS TO BE INSTALLED ONLY WHERE WATER RESISTANCE IS NOT REQUIRED</small>	

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

**WITH FIBERGLASS SLABS**

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 FT<sup>2</sup>

**APPROVED LITE CONFIGURATIONS**



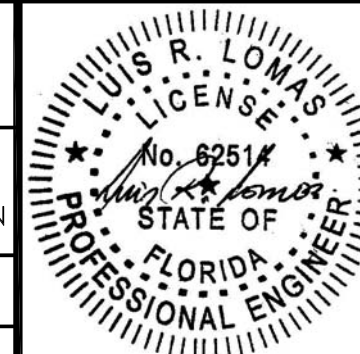
LITE CONFIGURATIONS SHOWN ARE FOR REFERENCE ONLY. MULTIPLE LITE CONFIGURATIONS ARE APPROVED AS LONG AS LITE SIZE DOES NOT EXCEED 11.5 FT<sup>2</sup>

**D.L.O. NOTES:**

1. DOOR D.L.O.: 20 3/8" X 78 1/2"
2. TRANSOM D.L.O.: 34 9/16" X 28 11/16"

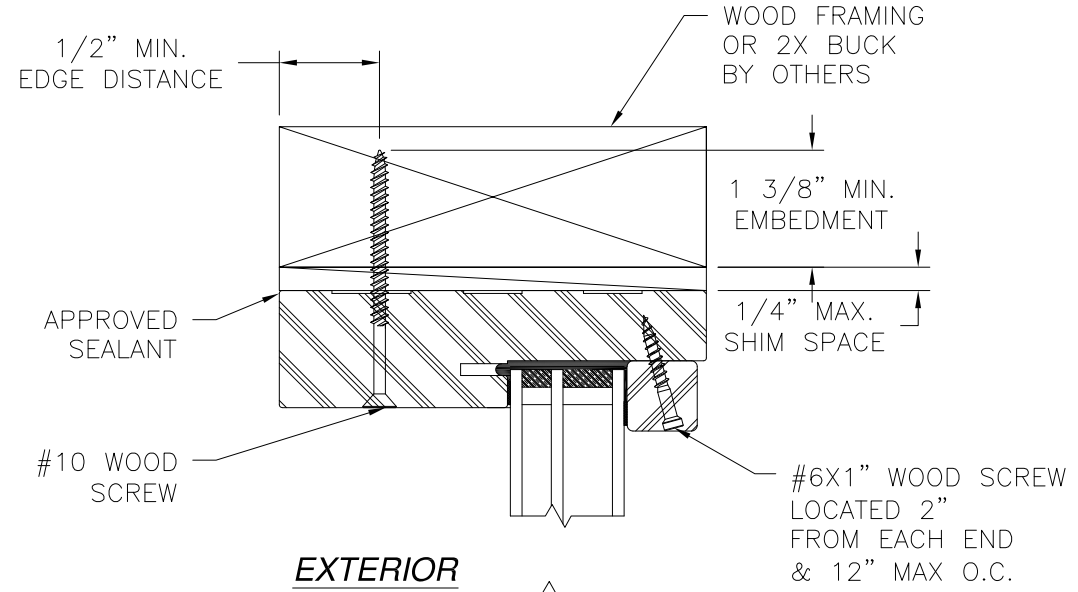
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STEEL/FIBERGLASS INSWING GLAZED SINGLE DOOR W/TRANSOM NON-IMPACT ELEVATION, ANCHORING & APPROVED CONFIGURATION		
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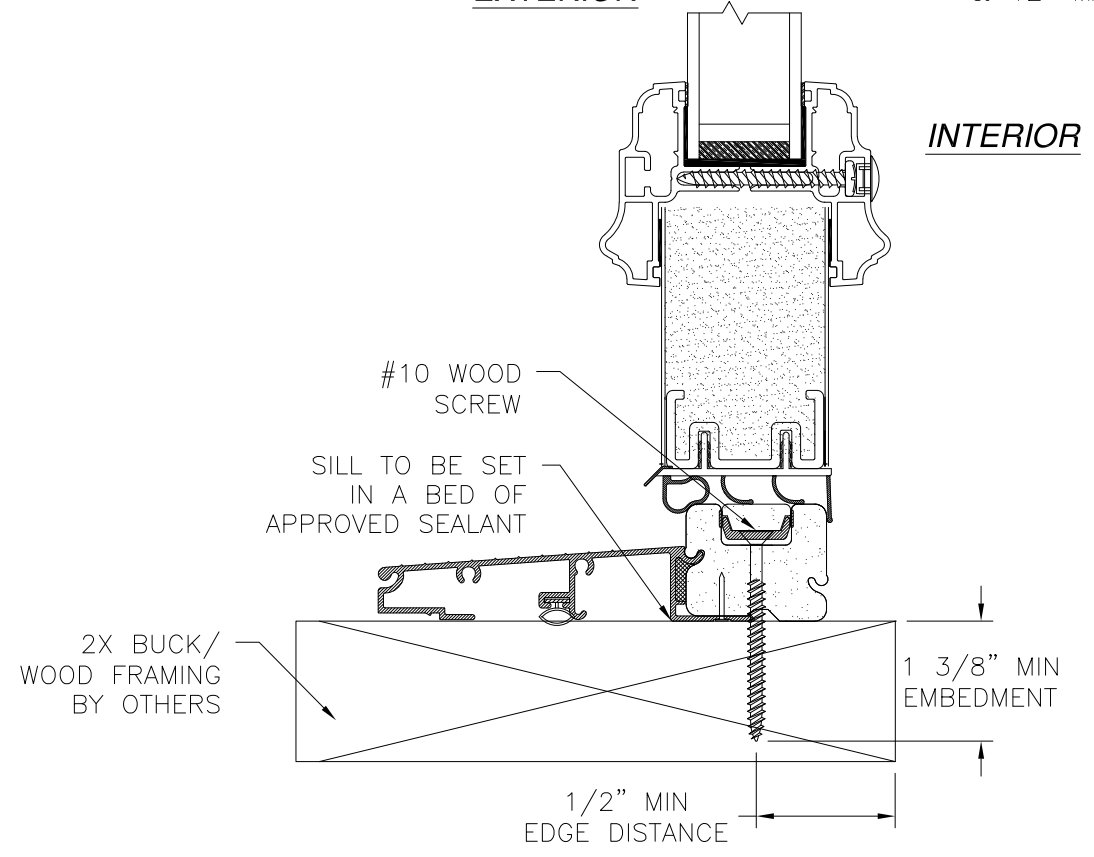


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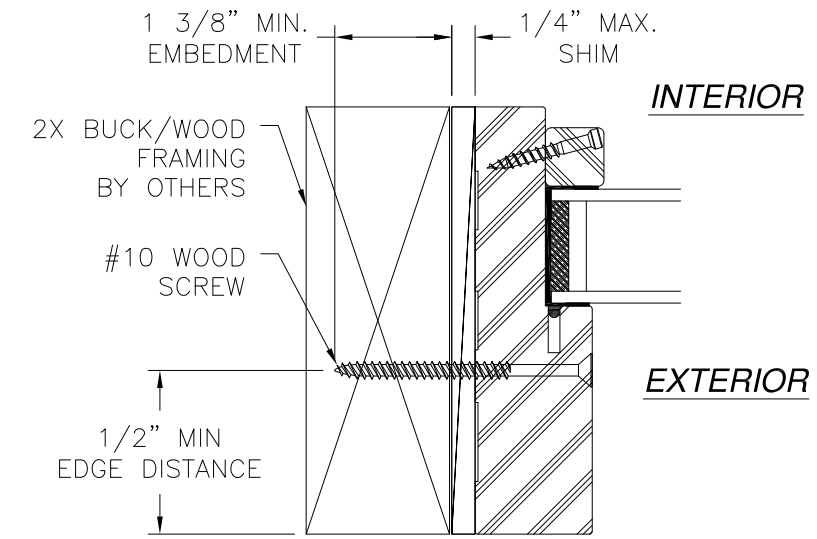
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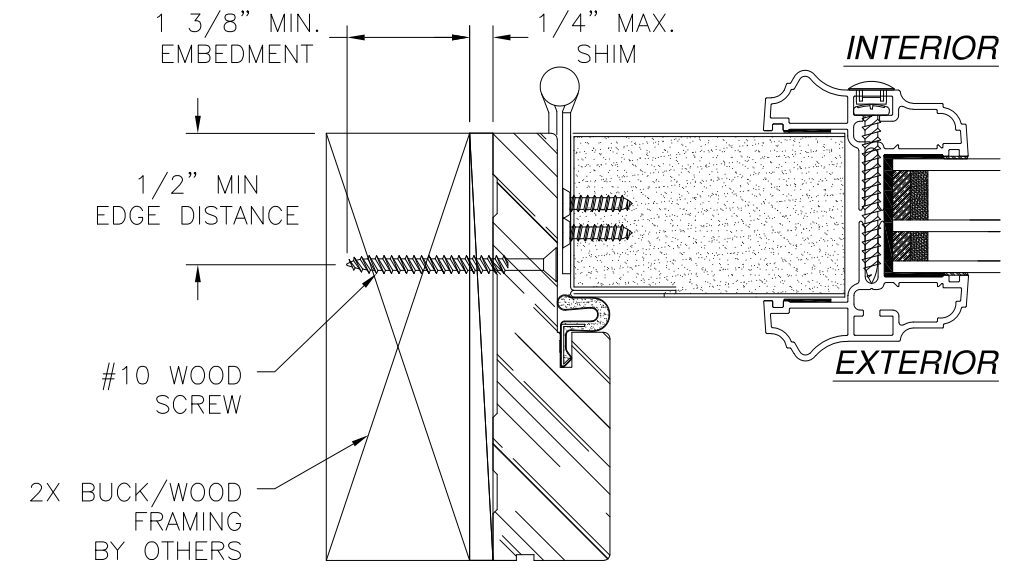
**EXTERIOR**



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



**HORIZONTAL CROSS SECTION  
TRANSOM INSTALLATION 2X BUCK/WOOD FRAMING**



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

- 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

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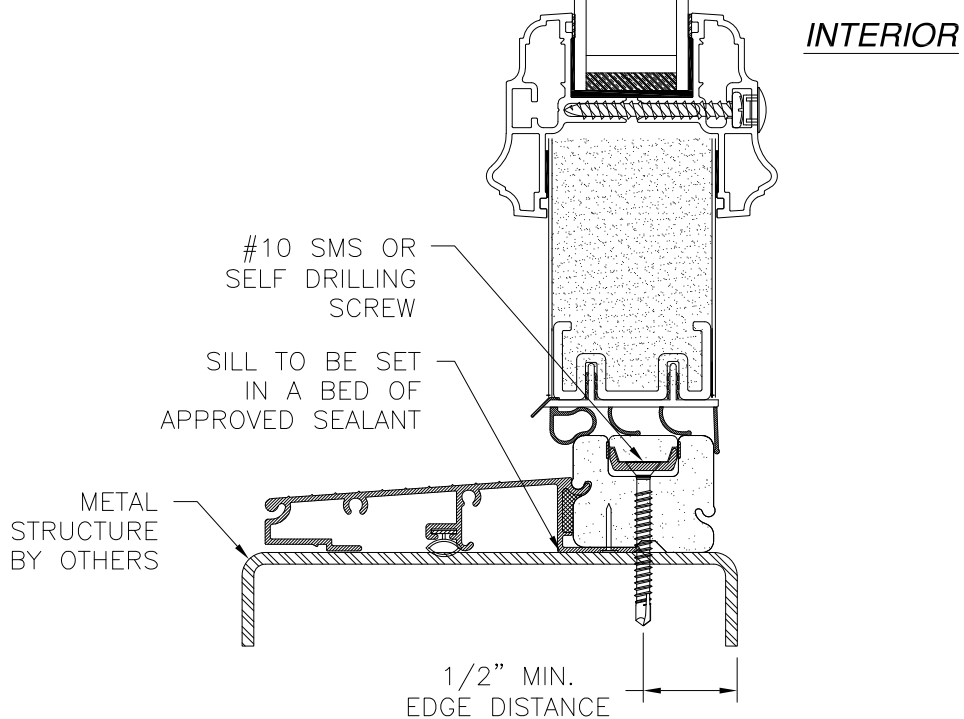
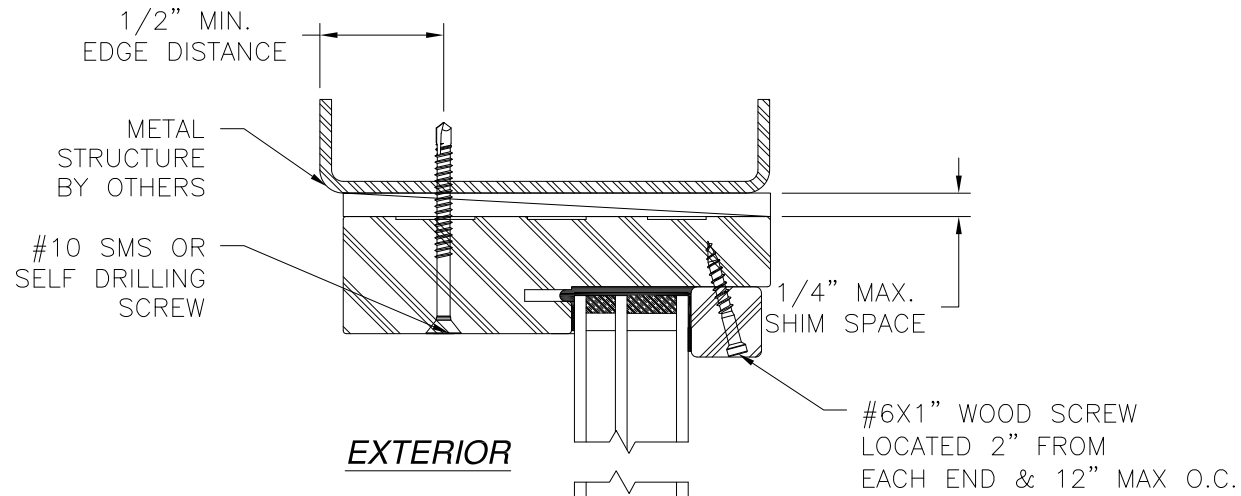
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W/TRANSOM NON-IMPACT  
INSTALLATION DETAILS

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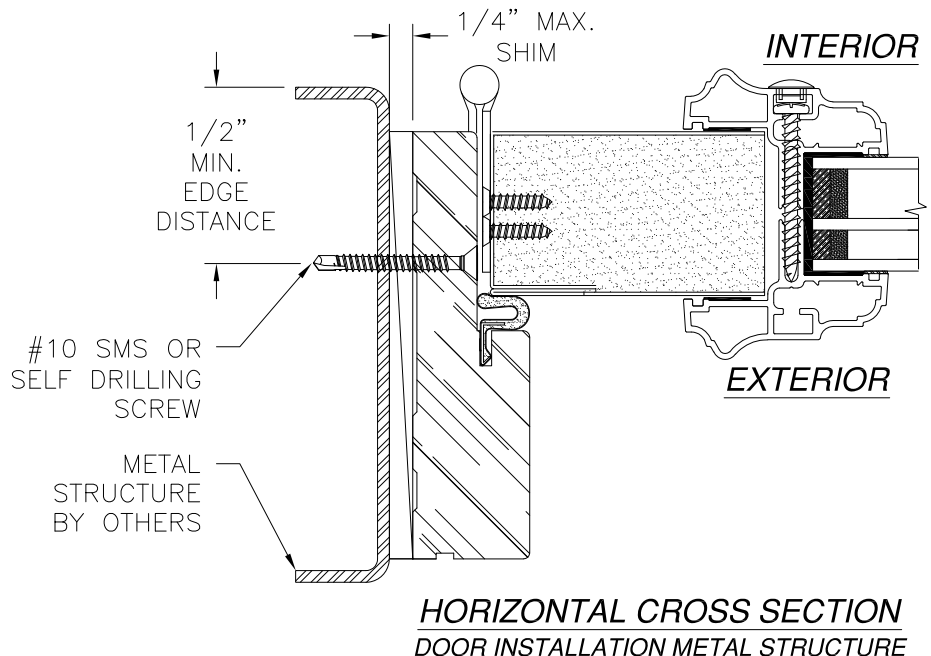
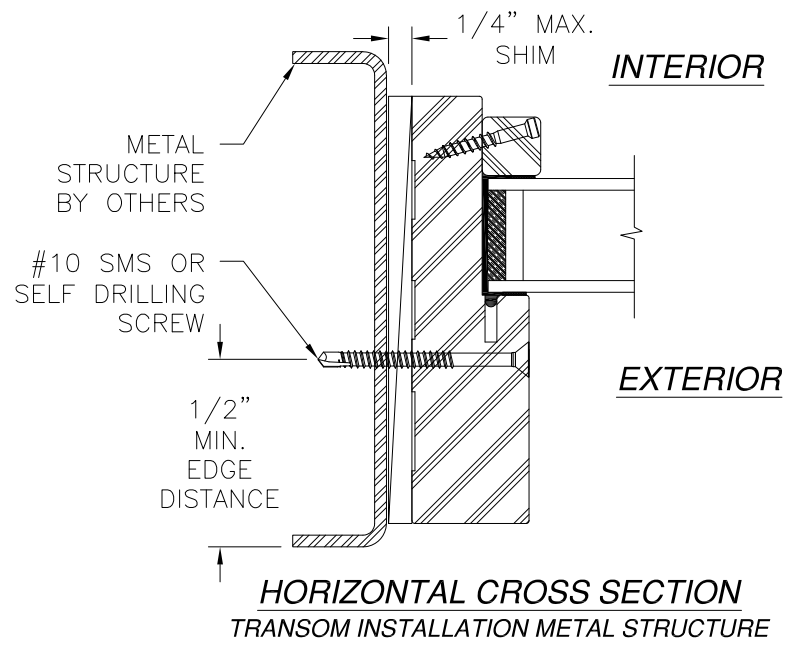
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**VERTICAL CROSS SECTION**  
DOOR AND TRANSOM INSTALLATION METAL STRUCTURE



**HORIZONTAL CROSS SECTION**  
DOOR INSTALLATION METAL STRUCTURE

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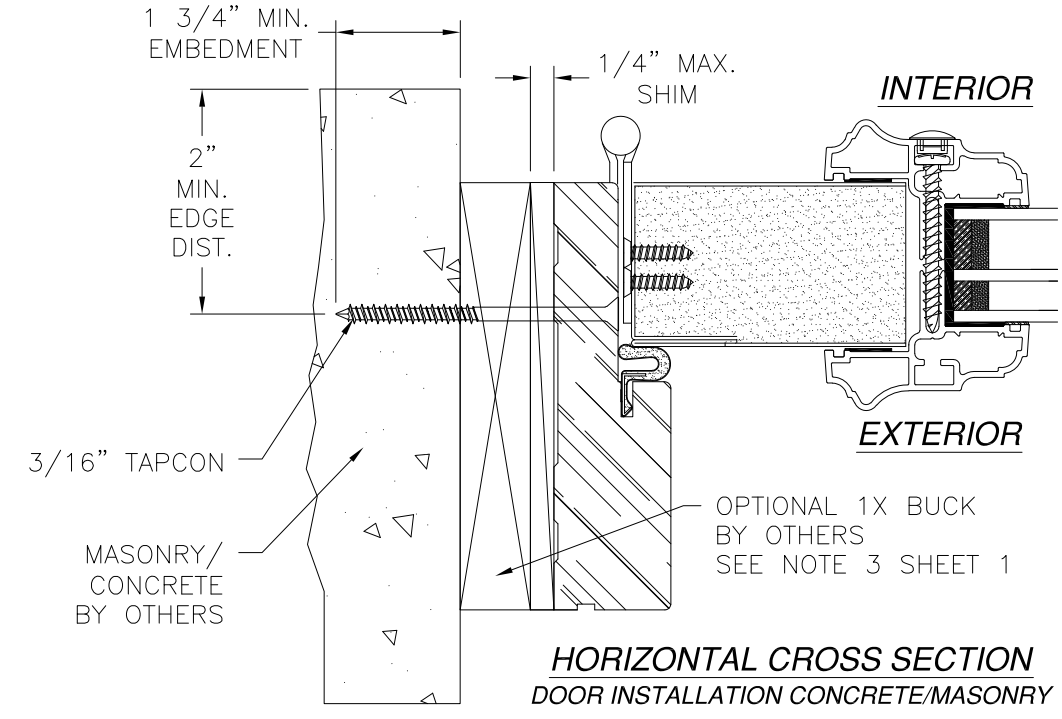
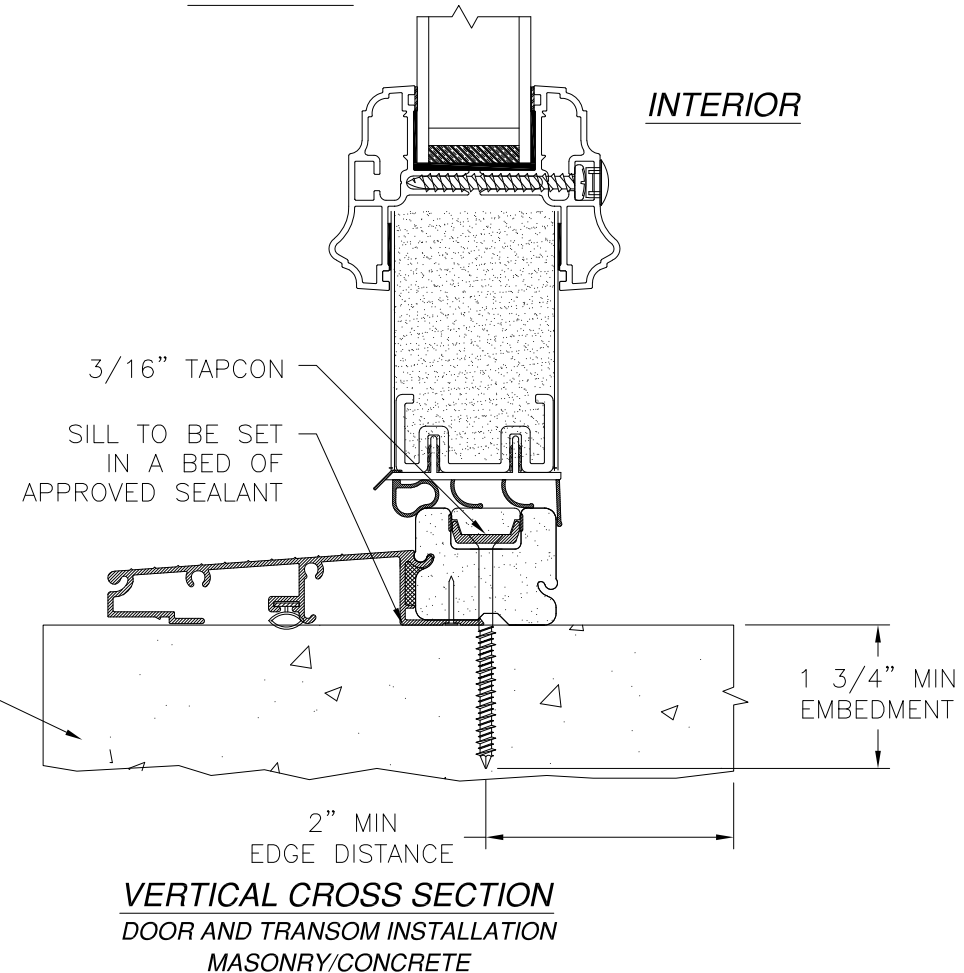
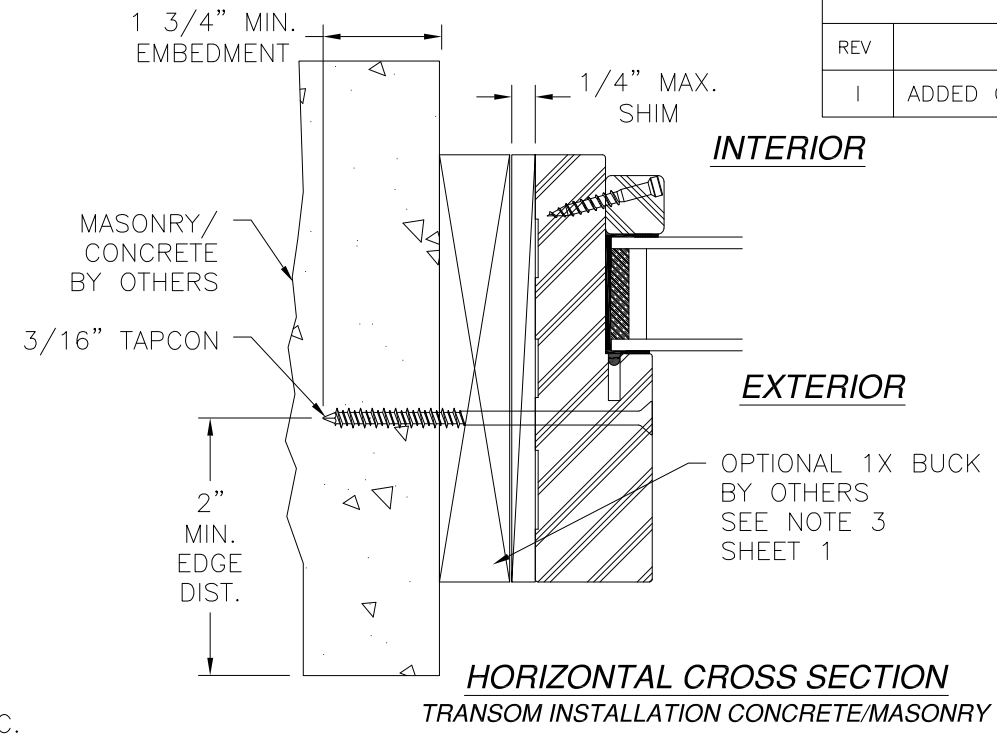
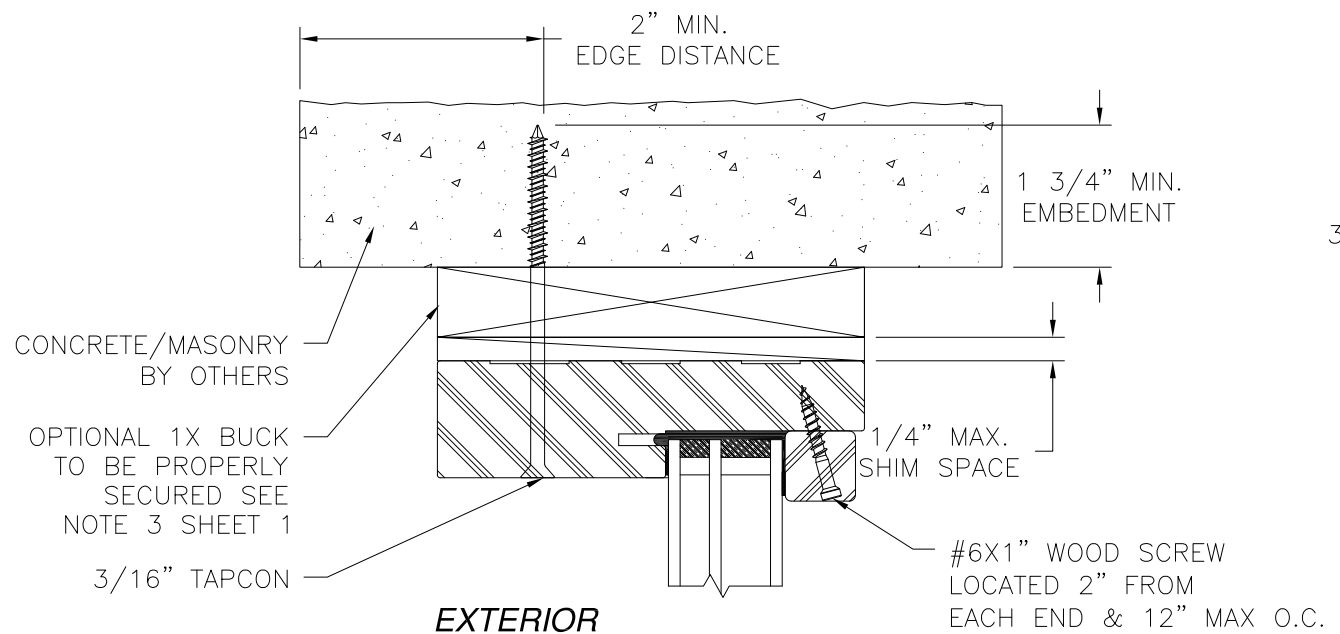
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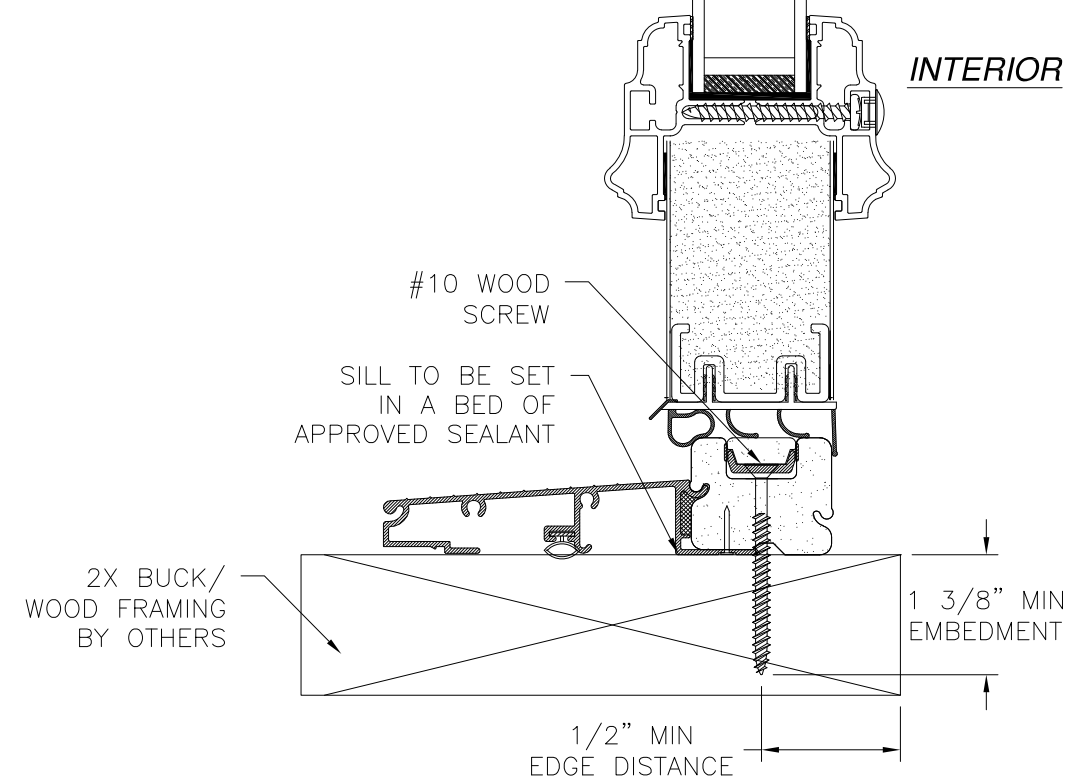
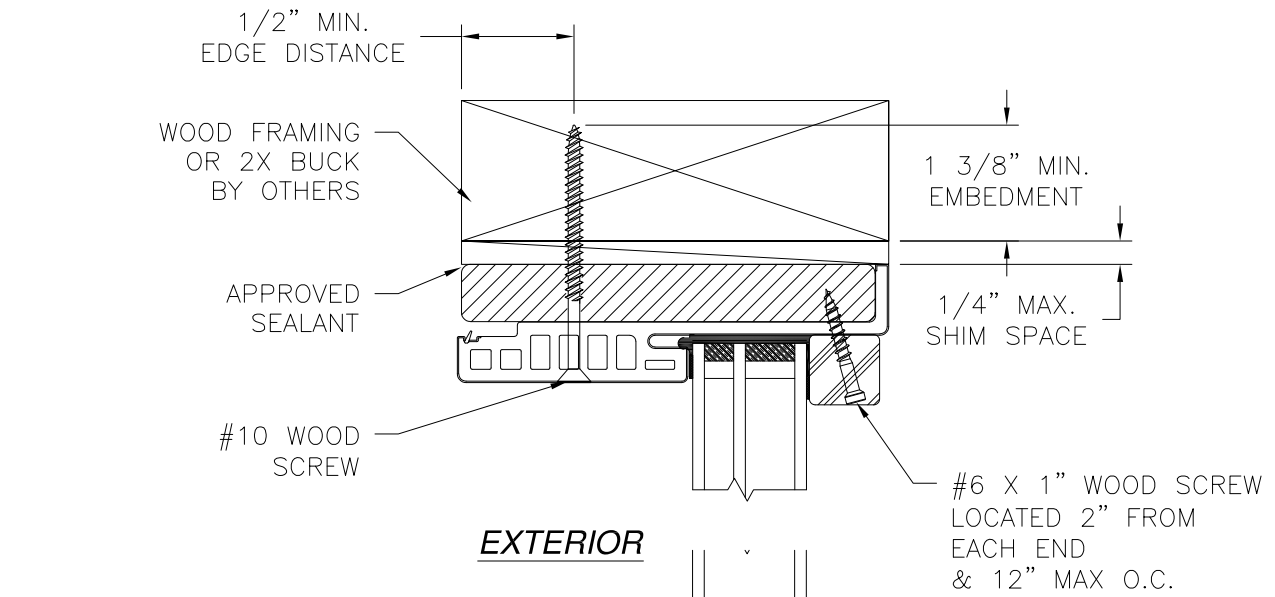
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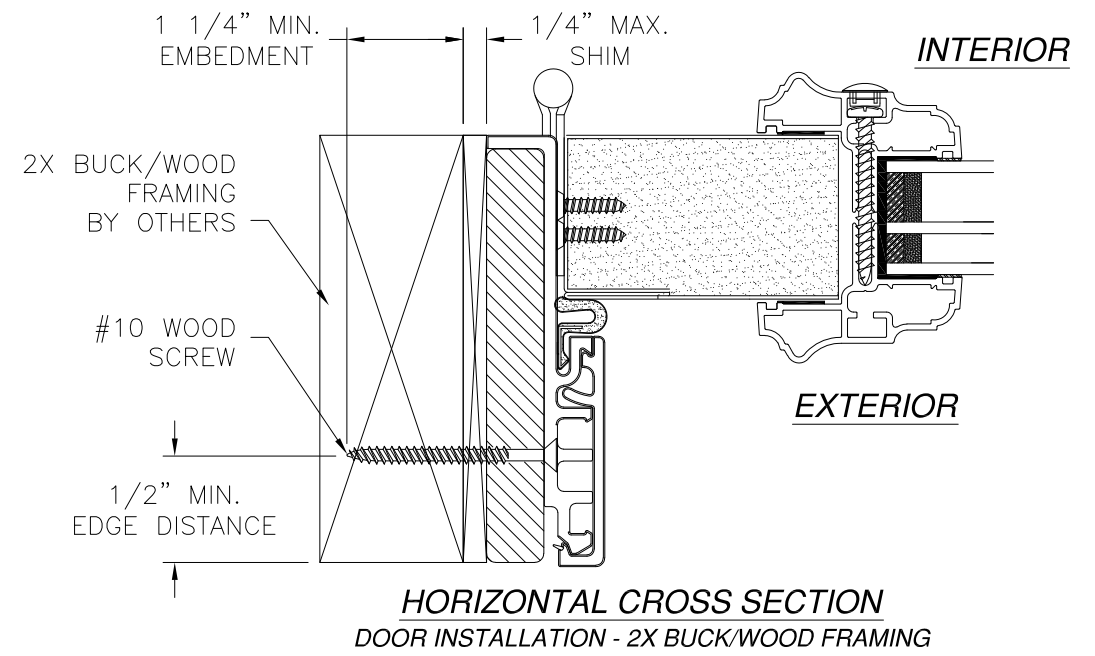
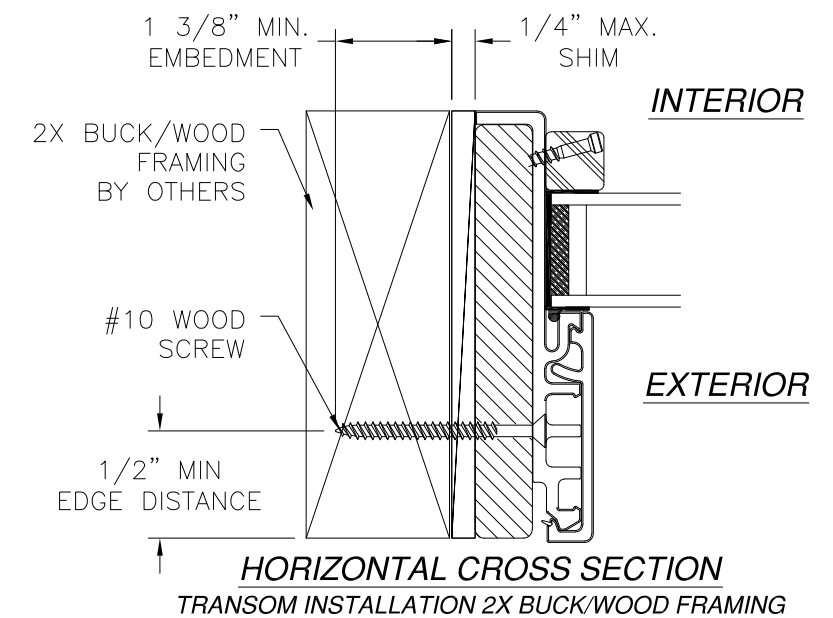
LUIS R. LOMAS  
LICENSE  
No. 62514  
STATE OF  
FLORIDA  
PROFESSIONAL ENGINEER

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



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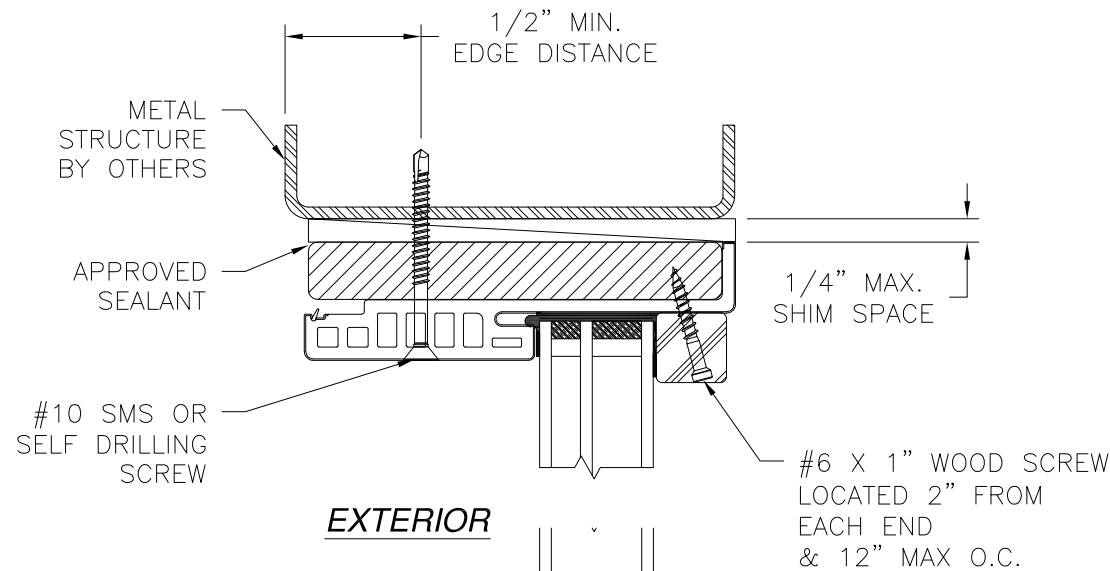
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INSTALLATION DETAILS W/FUSION FRAME

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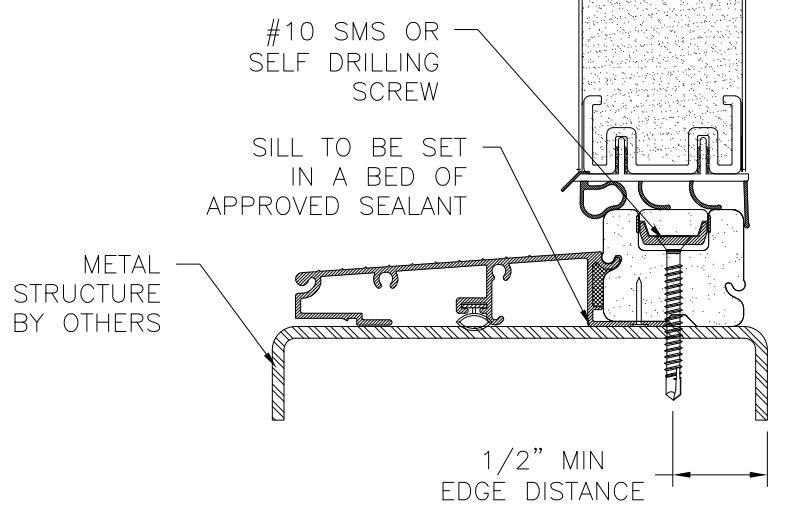
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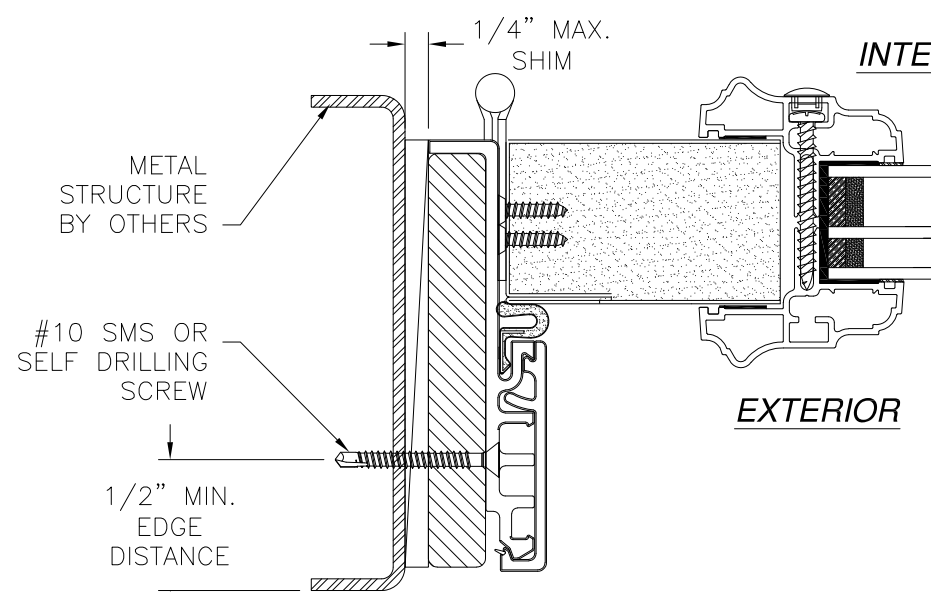
**EXTERIOR**

**INTERIOR**



**VERTICAL CROSS SECTION**

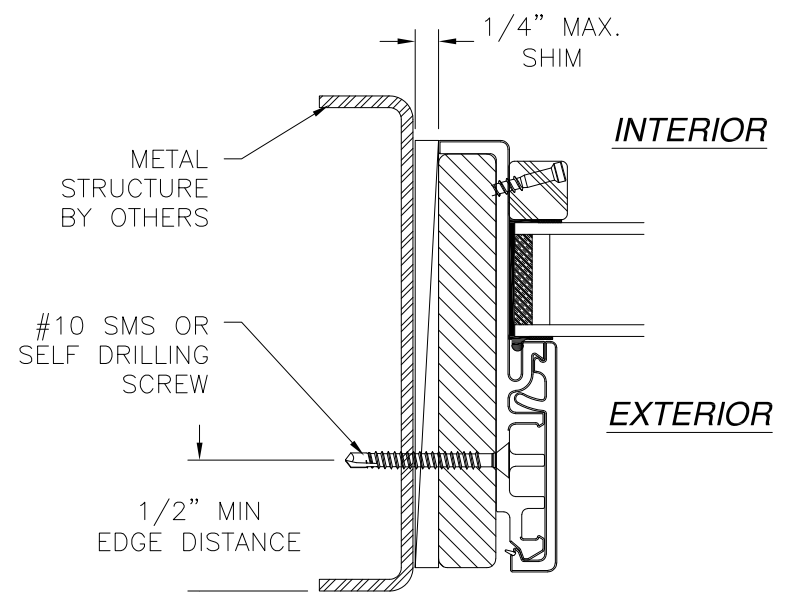
**DOOR AND TRANSOM INSTALLATION - METAL STRUCTURE**



**INTERIOR**

**EXTERIOR**

**HORIZONTAL CROSS SECTION  
DOOR INSTALLATION - METAL STRUCTURE**



**INTERIOR**

**EXTERIOR**

**HORIZONTAL CROSS SECTION  
TRANSOM INSTALLATION METAL STRUCTURE**

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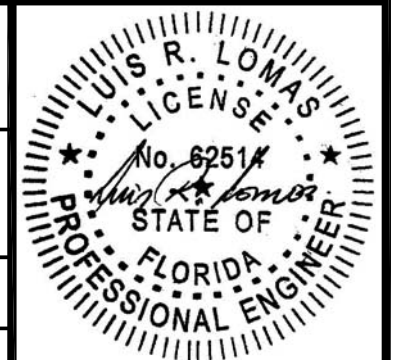
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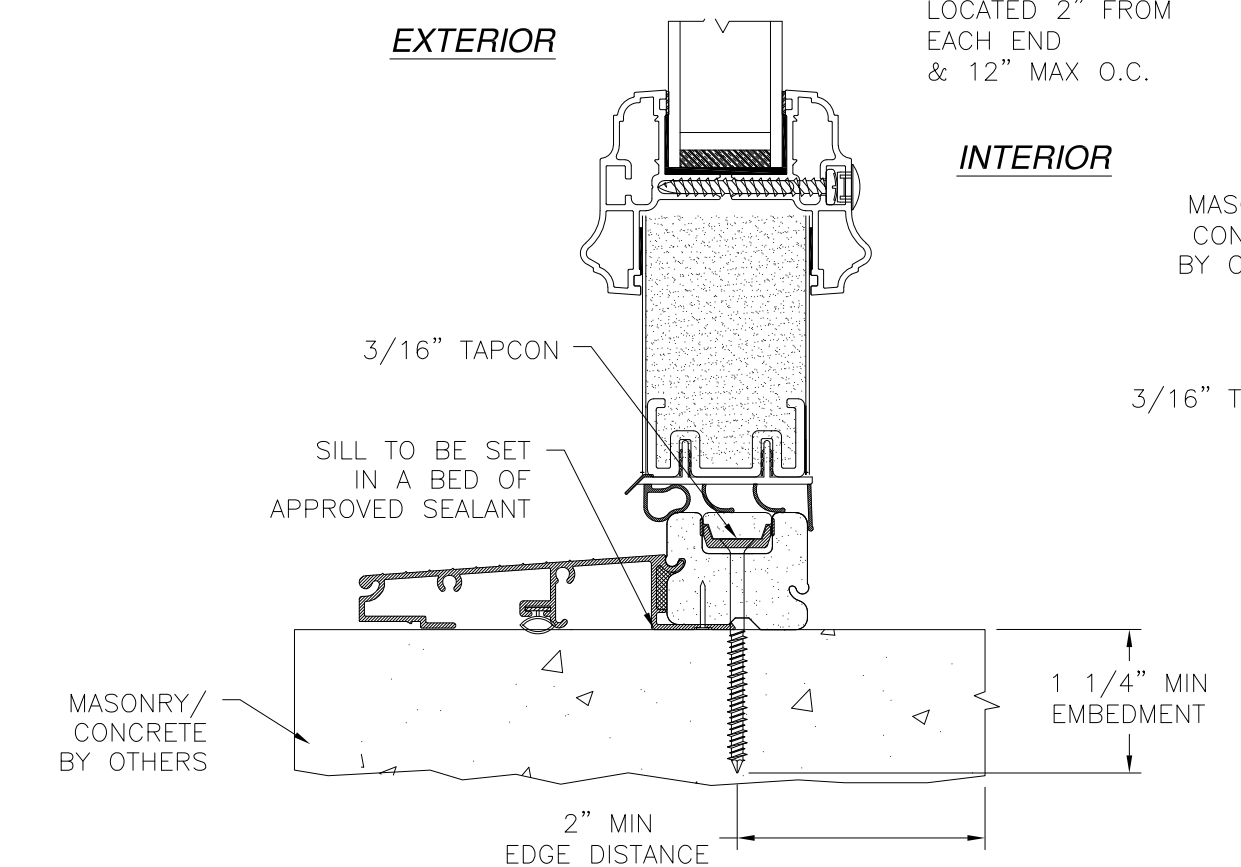
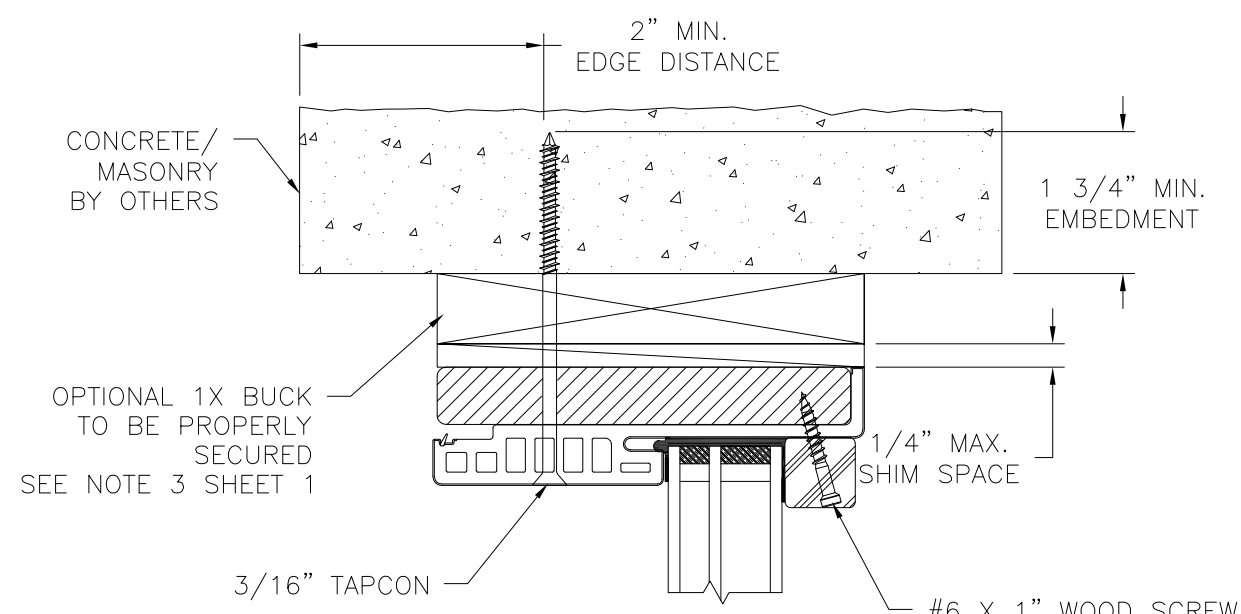
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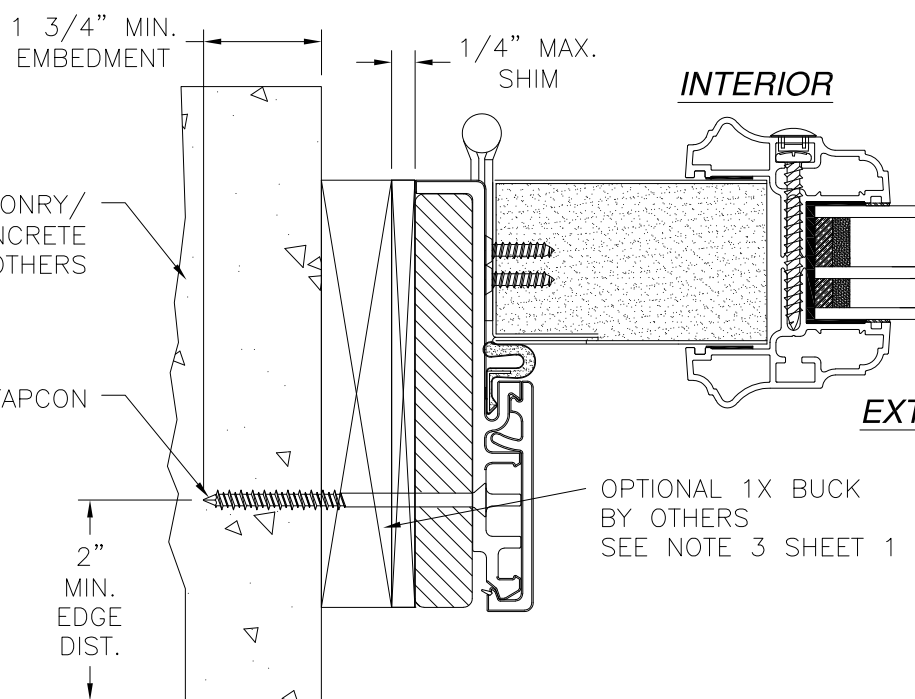
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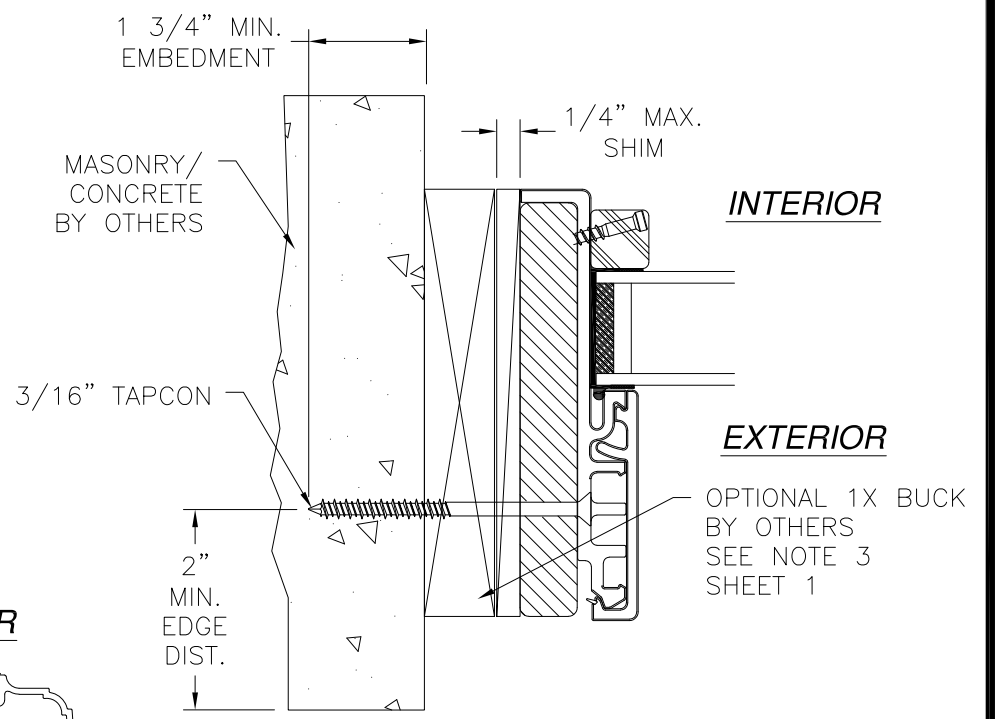


**VERTICAL CROSS SECTION**  
DOOR AND TRANSOM INSTALLATION MASONRY/CONCRETE

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**HORIZONTAL CROSS SECTION**  
DOOR INSTALLATION CONCRETE/MASONRY



**HORIZONTAL CROSS SECTION**  
TRANSOM INSTALLATION CONCRETE/MASONRY

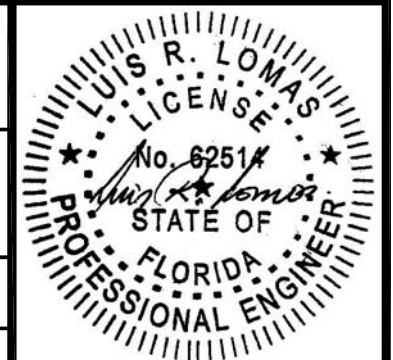
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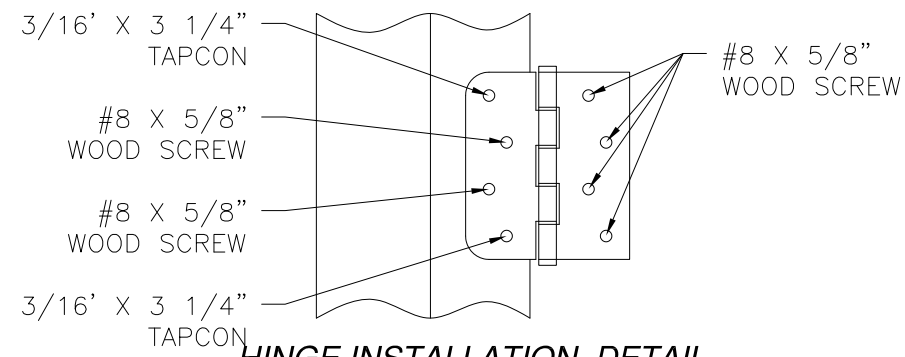
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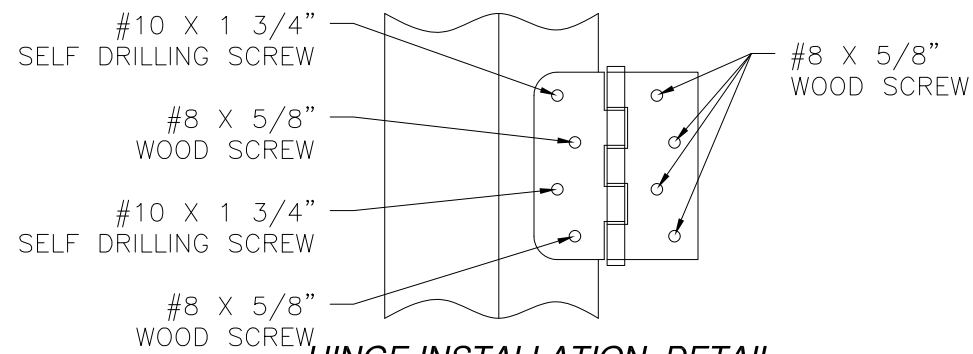
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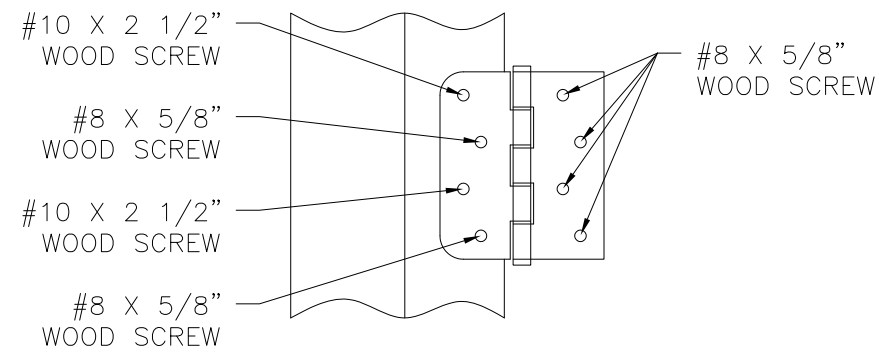
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**HINGE INSTALLATION DETAIL**  
MASONRY/CONCRETE



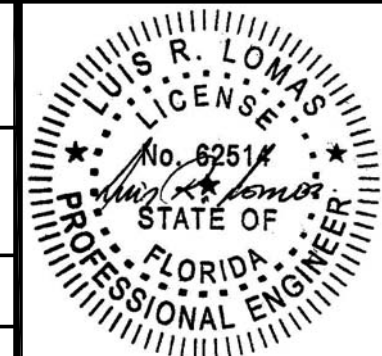
**HINGE INSTALLATION DETAIL**  
METAL STRUCTURE



**HINGE INSTALLATION DETAIL**  
2X BUCK/WOOD FRAMING

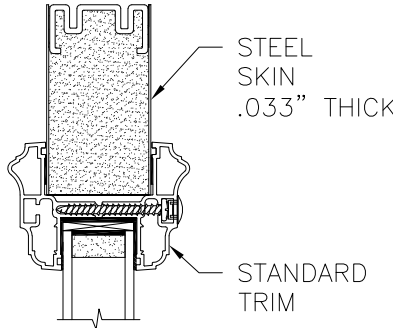
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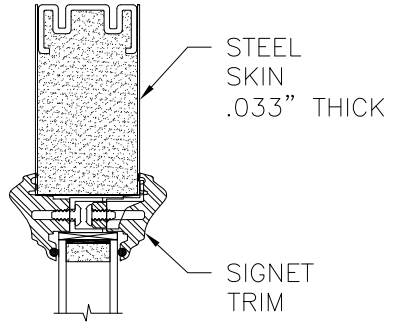


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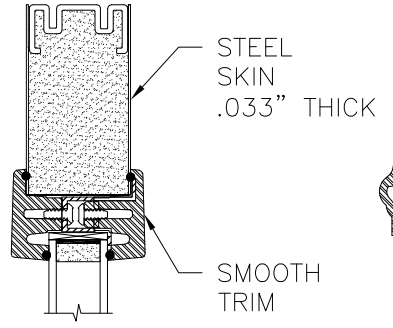
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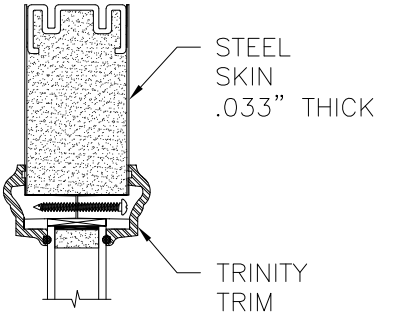
**OPTION 1**  
STANDARD TRIM



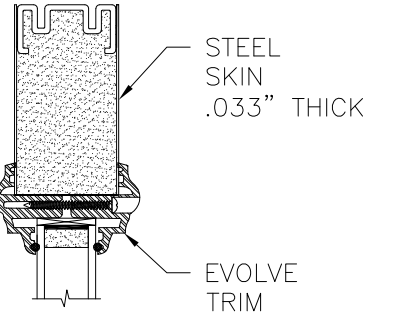
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SIGNET TRIM



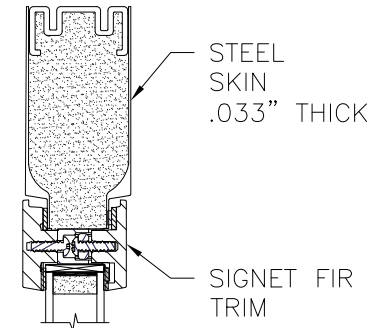
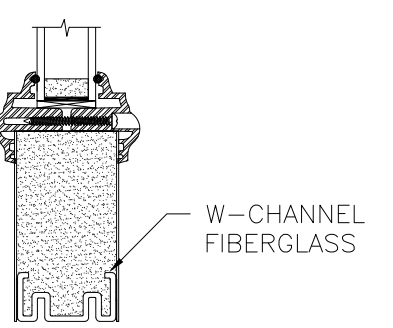
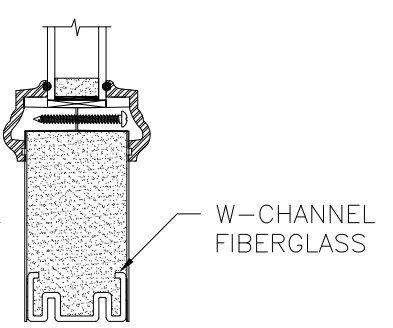
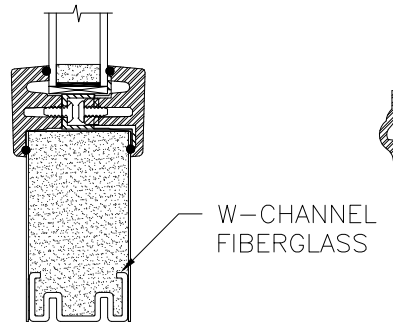
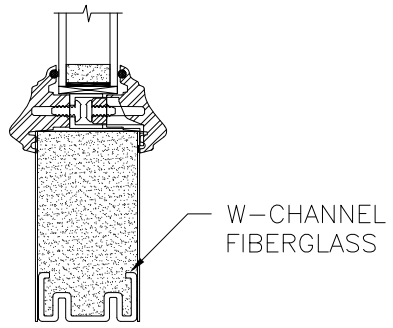
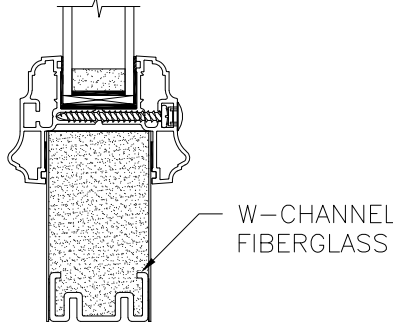
**OPTION 3**  
SMOOTH TRIM



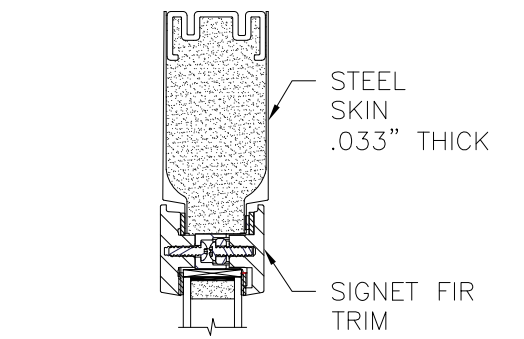
**OPTION 4**  
TRINITY TRIM



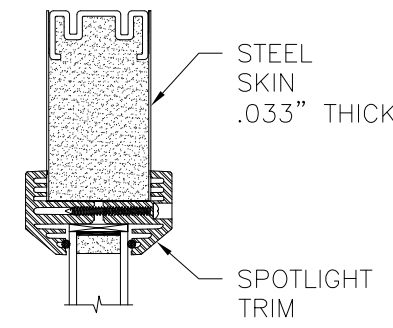
**OPTION 5**  
EVOLVE TRIM



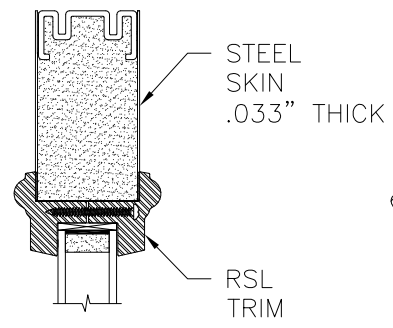
**OPTION 11**  
SIGNET FIR TRIM



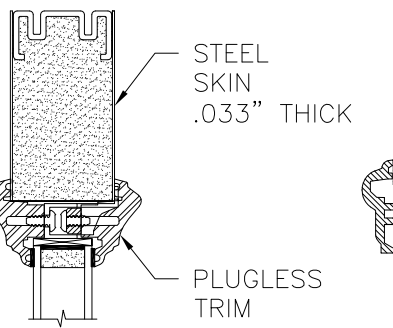
**OPTION 12**  
SIGNET FIR &  
DENTIL SHELF TRIM



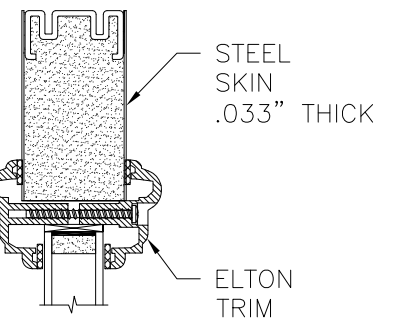
**OPTION 6**  
SPOTLIGHT TRIM



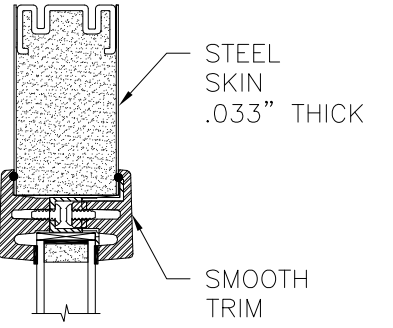
**OPTION 7**  
RSL TRIM



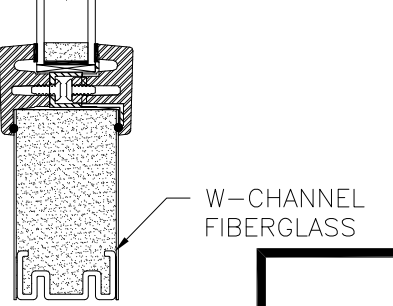
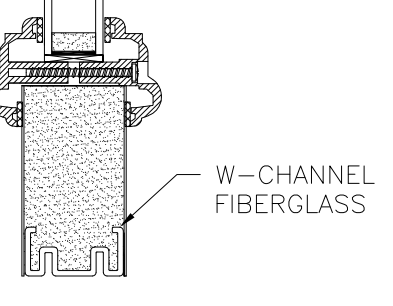
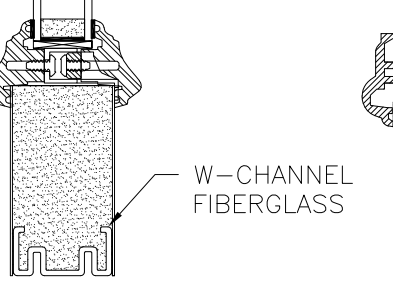
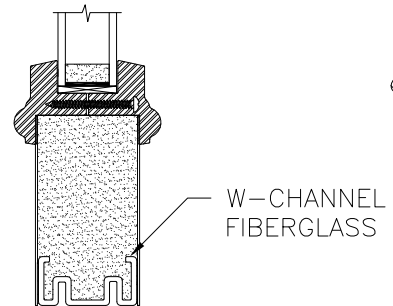
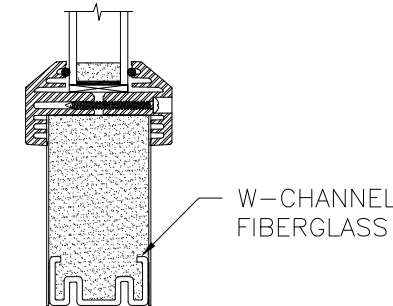
**OPTION 8**  
PLUGLESS TRIM  
W/TAPE



**OPTION 9**  
ELTON TRIM



**OPTION 10**  
SMOOTH TRIM  
W/TAPE



**APPROVED SLABS AND TRIMS**

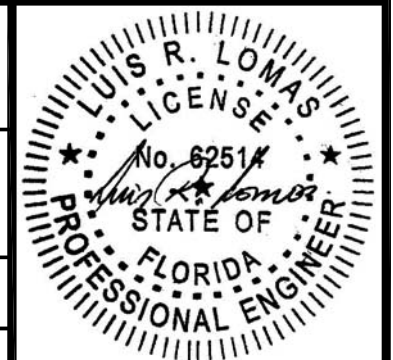
PROVIA, LLC.  
2150 STATE ROUTE 39 WEST  
SUGARCREEK, OH 44681

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

DRAWN: N.G.	DWG NO. 08-02068	REV I
SCALE NTS	DATE 06/18/13	SHEET 10 OF 14

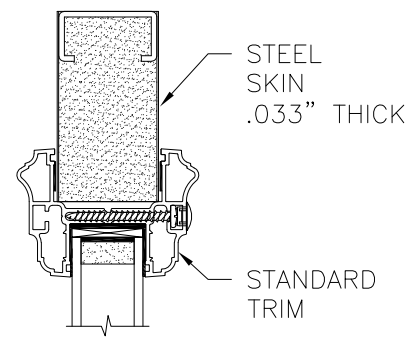
L. ROBERTO LOMAS P.E.  
1432 WOODFORD RD LEWISVILLE, NC 27023  
434-688-0609 rllomas@rlomaspe.com

SIGNED: 08/26/2021

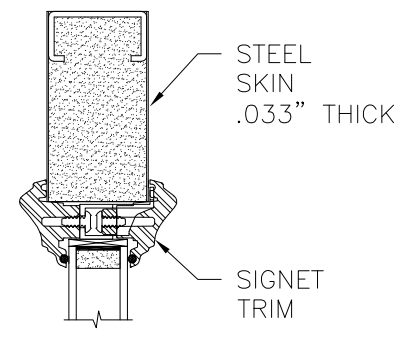


Luis R. Lomas P.E.  
FL No.: 62514

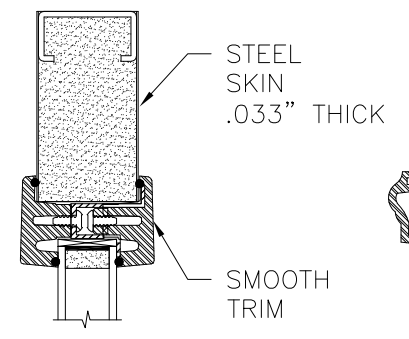
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
I	ADDED GLAZED FIR TRIMS	08/26/2021	R.L.



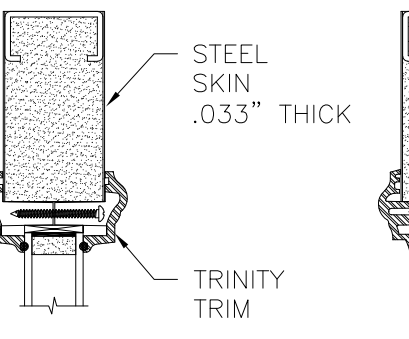
**OPTION 13**  
STANDARD TRIM



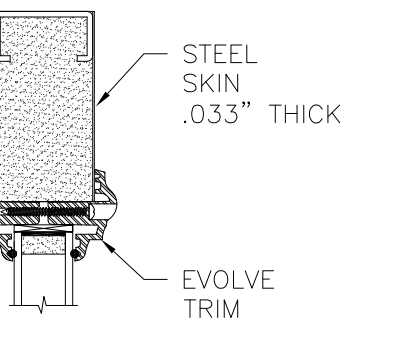
**OPTION 14**  
SIGNET TRIM



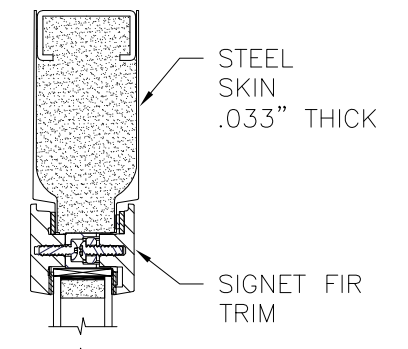
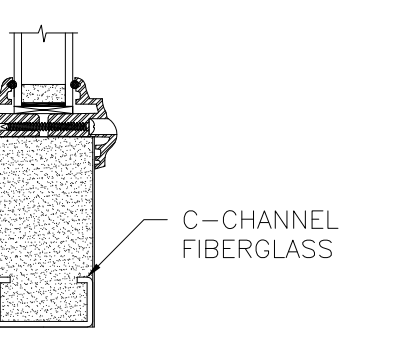
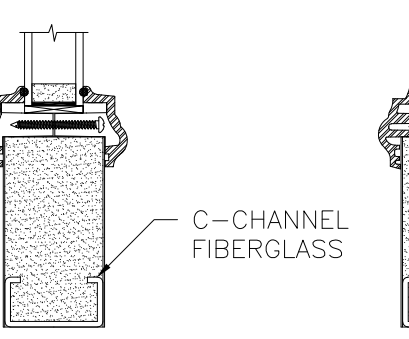
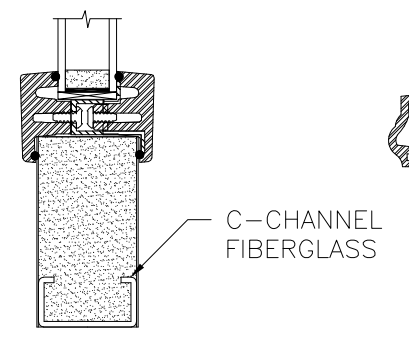
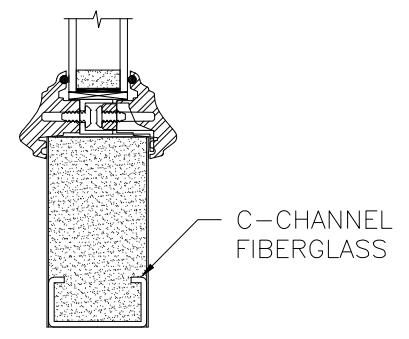
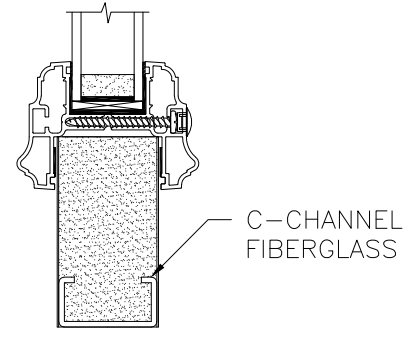
**OPTION 15**  
SMOOTH TRIM



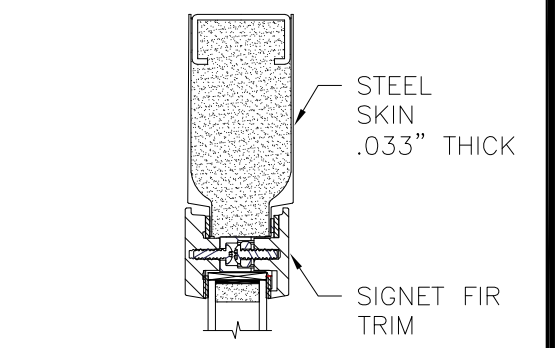
**OPTION 16**  
TRINITY TRIM



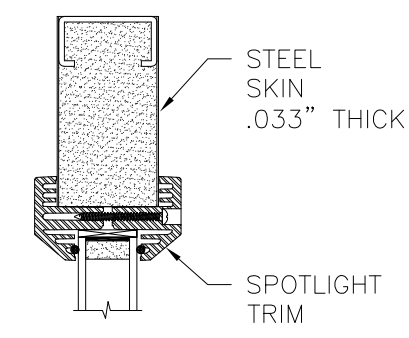
**OPTION 17**  
EVOLVE TRIM



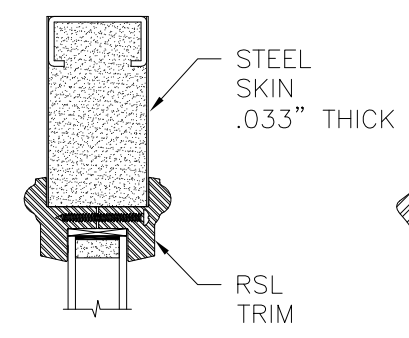
**OPTION 23**  
SIGNET FIR TRIM



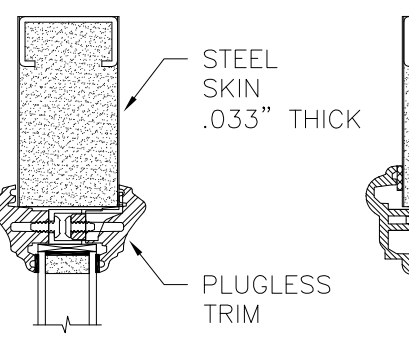
**OPTION 24**  
SIGNET FIR &  
DENTIL SHELF TRIM



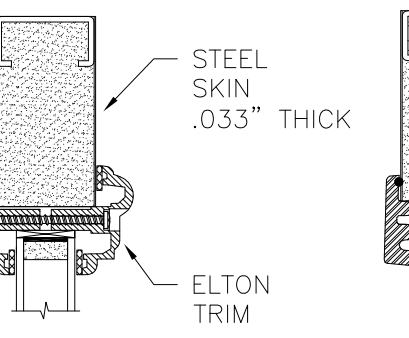
**OPTION 18**  
SPOTLIGHT TRIM



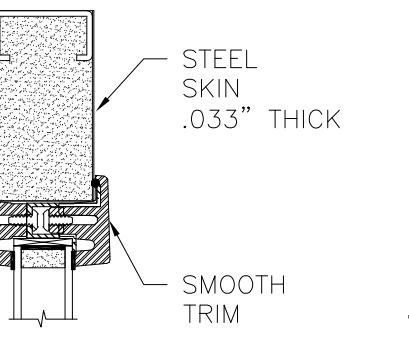
**OPTION 19**  
RSL TRIM



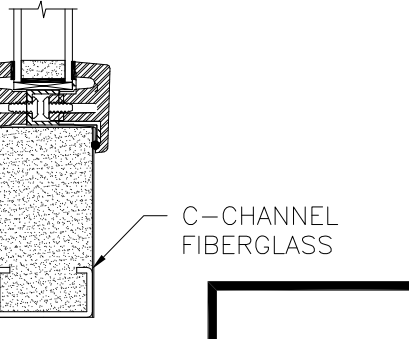
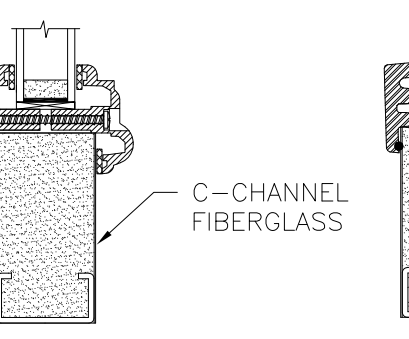
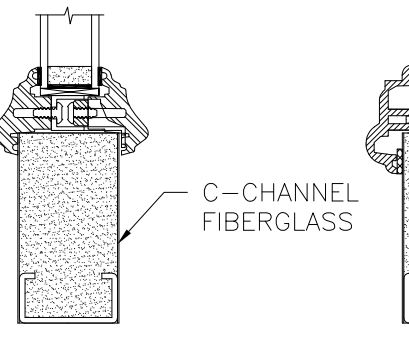
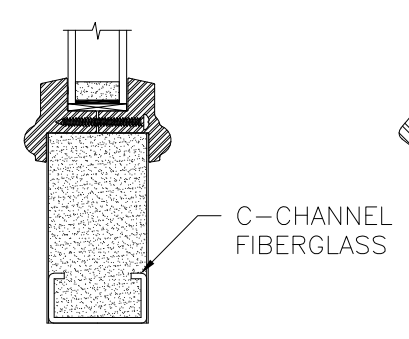
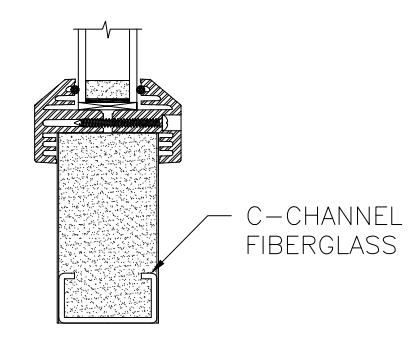
**OPTION 20**  
PLUGLESS TRIM  
W/TAPE



**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 SINGLE DOOR  
W/TRANSOM NON-IMPACT  
APPROVED SLABS AND TRIMS

DRAWN: N.G.	DWG NO. 08-02068	REV I
SCALE NTS	DATE 06/18/13	SHEET 11 OF 14

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

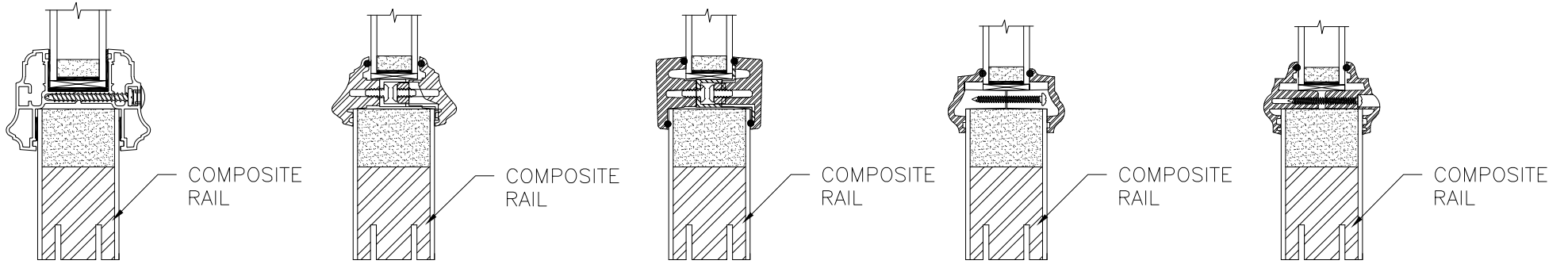
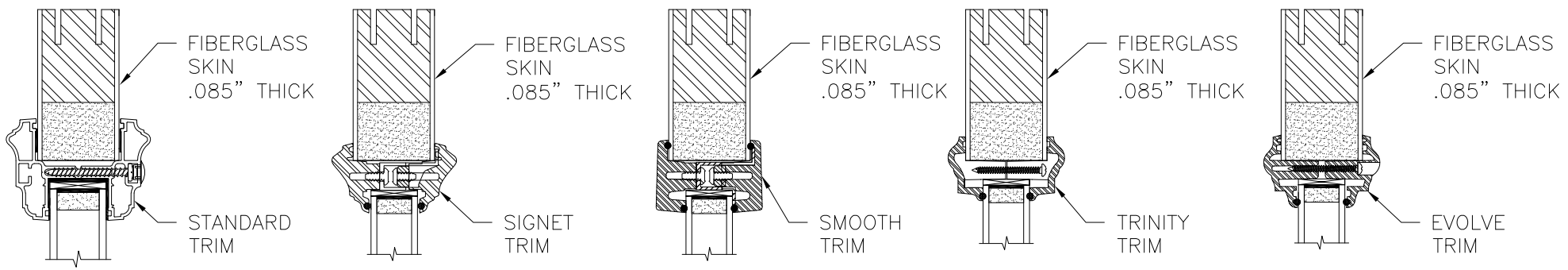
SIGNED: 08/26/2021



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



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



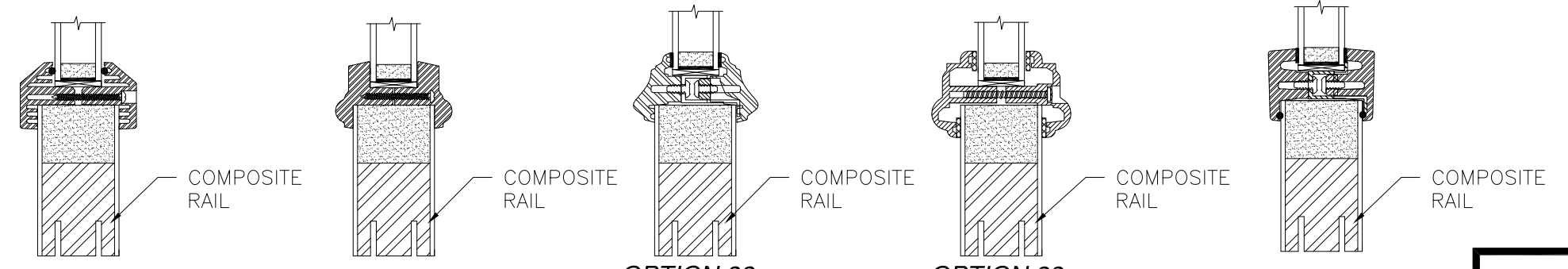
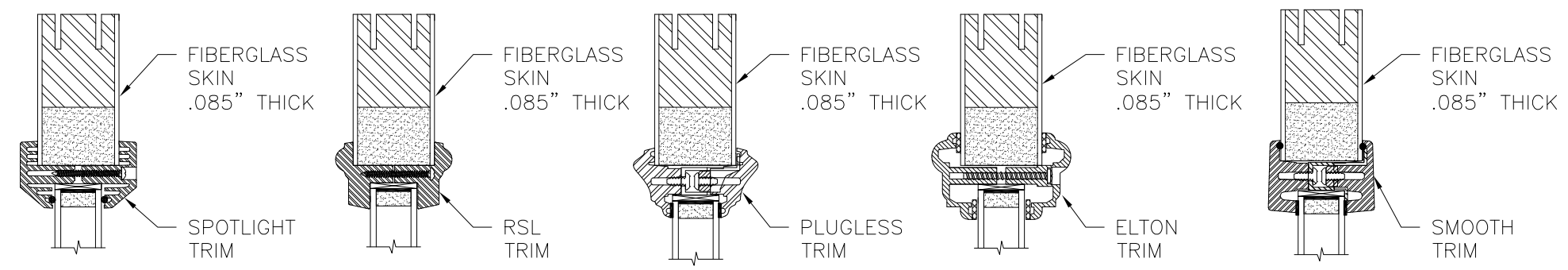
**OPTION 25**  
STANDARD TRIM

**OPTION 26**  
SIGNET TRIM

**OPTION 27**  
SMOOTH TRIM

**OPTION 28**  
TRINITY TRIM

**OPTION 29**  
EVOLVE TRIM



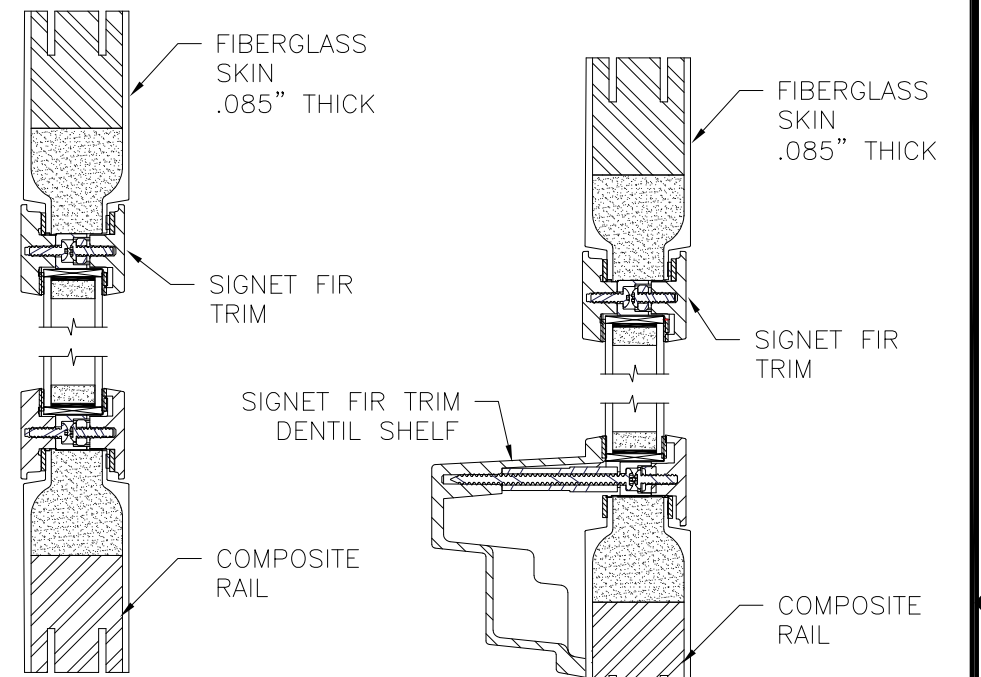
**OPTION 30**  
SPOTLIGHT TRIM

**OPTION 31**  
RSL TRIM

**OPTION 32**  
PLUGLESS TRIM  
W/TAPE

**OPTION 33**  
ELTON TRIM

**OPTION 34**  
SMOOTH TRIM  
W/TAPE



**OPTION 35**  
SIGNET FIR TRIM

**OPTION 36**  
SIGNET FIR &  
DENTIL SHELF TRIM

**APPROVED SLABS AND TRIMS**

SIGNED: 08/26/2021

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

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

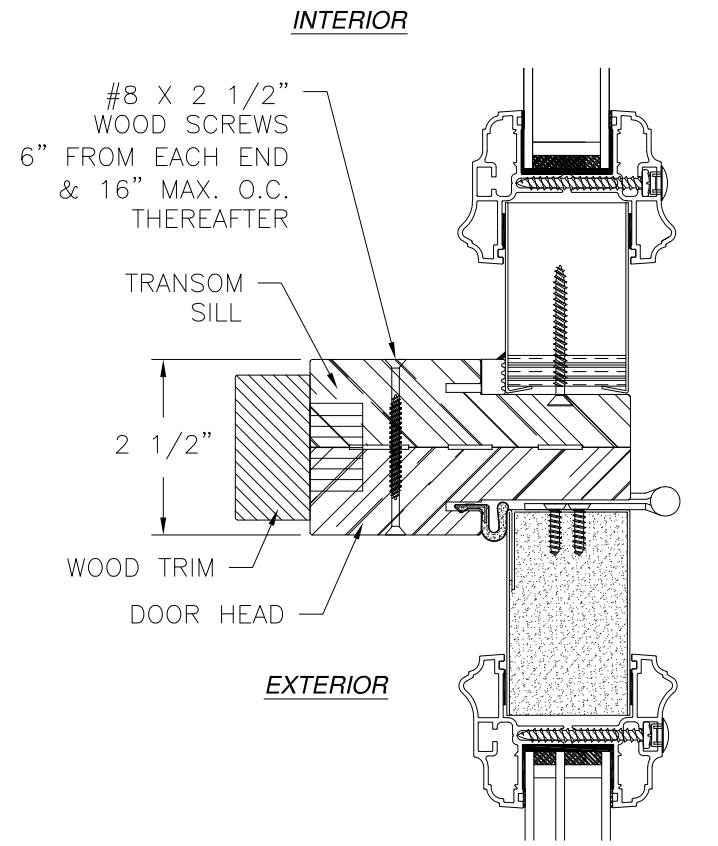
DRAWN: N.G.	DWG NO. 08-02068	REV I
SCALE NTS	DATE 06/18/13	SHEET 12 OF 14

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

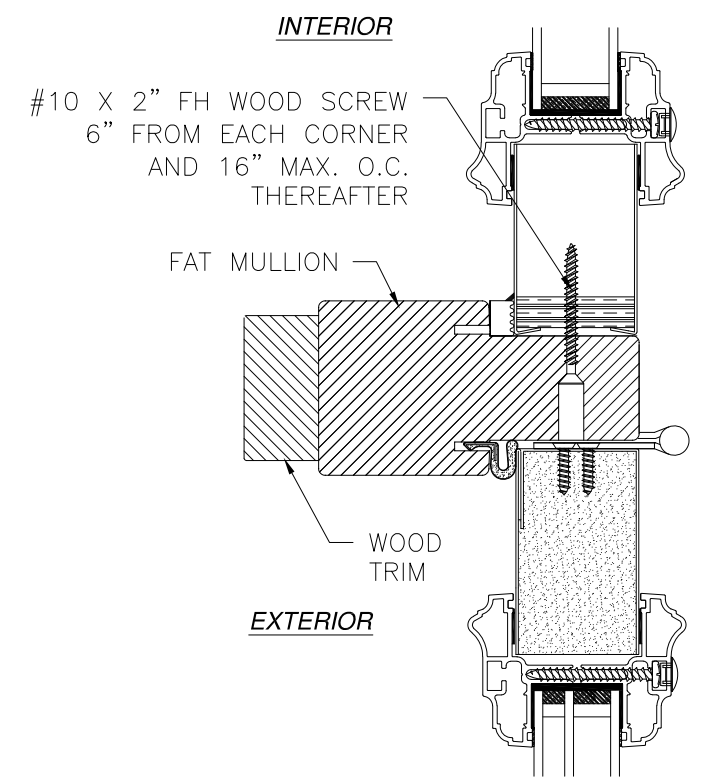
Luis R. Lomas P.E.  
FL No.: 62514



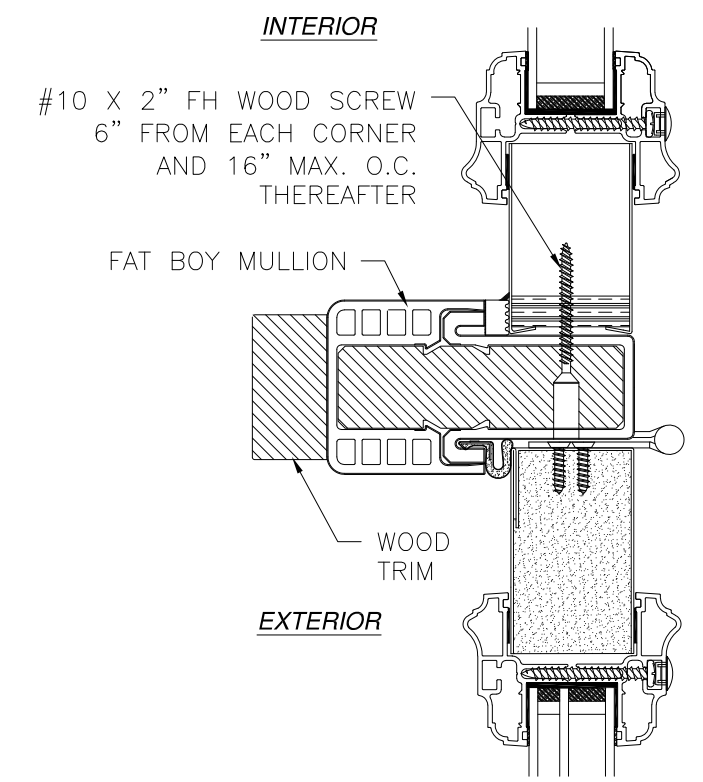
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
I	ADDED GLAZED FIR TRIMS	08/26/2021	R.L.



**HORIZONTAL MULLION DETAIL**  
STANDARD FRAME SHOWN,  
COMPOSITE AND FUSION FRAME SIMILAR



**MULLION DETAIL**  
WITH FAT BOY MULLION



**MULLION DETAIL**  
WITH HYBRID FAT BOY MULLION

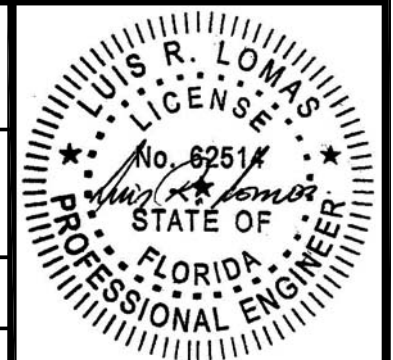
SIGNED: 08/26/2021

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

STEEL/FIBERGLASS INSWING GLAZED SINGLE DOOR  
W/TRANSOM NON-IMPACT  
MULLION DETAILS

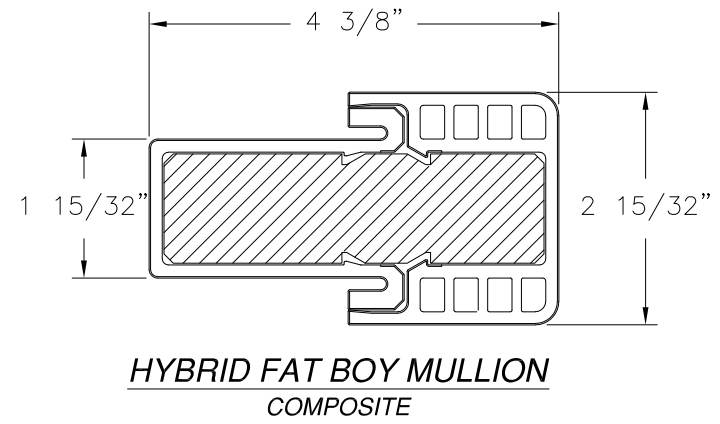
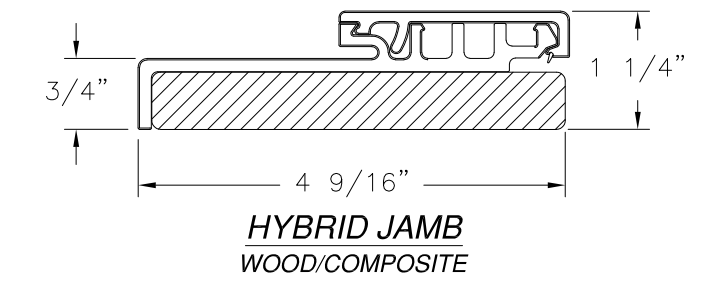
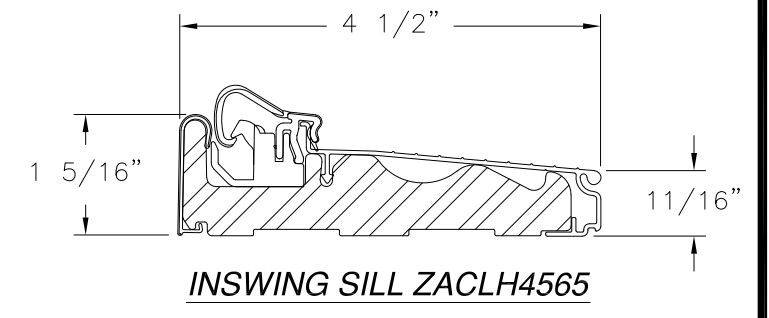
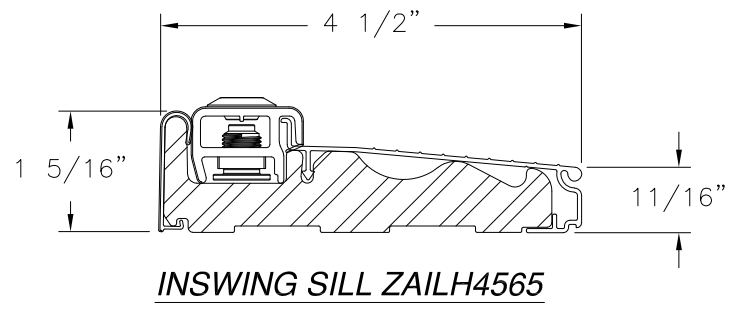
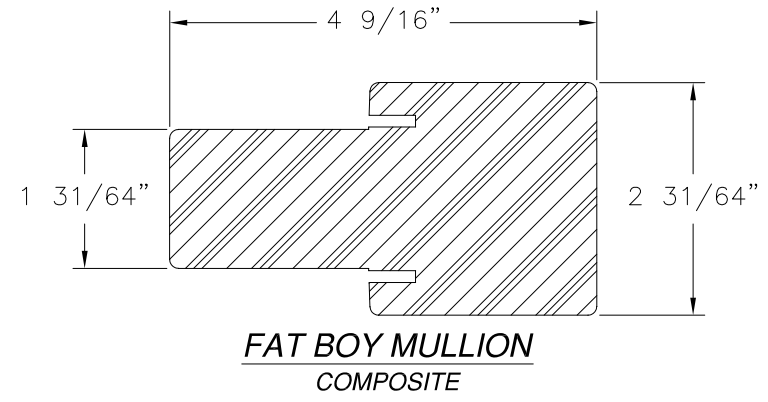
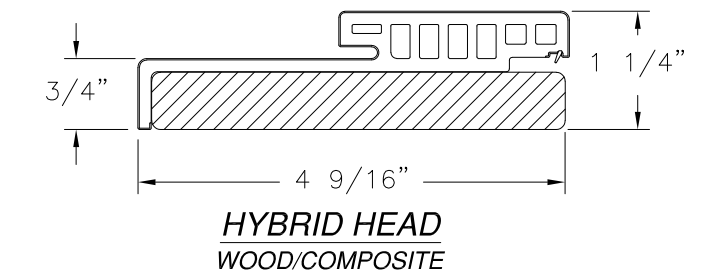
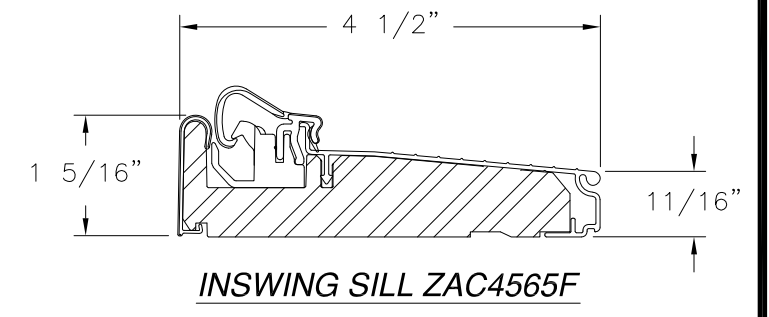
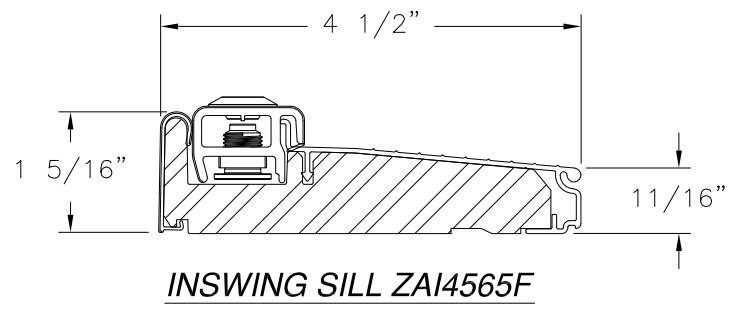
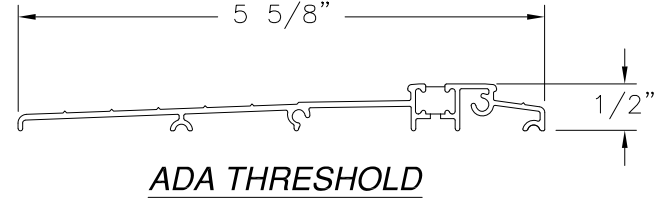
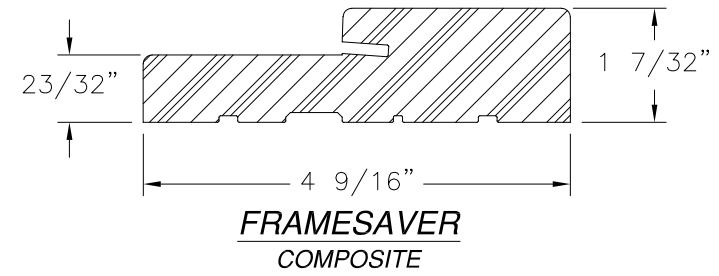
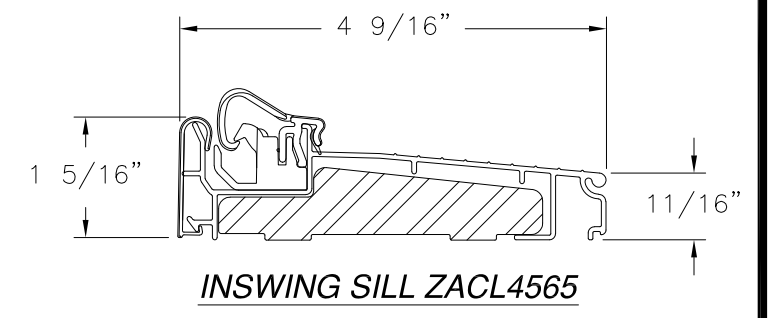
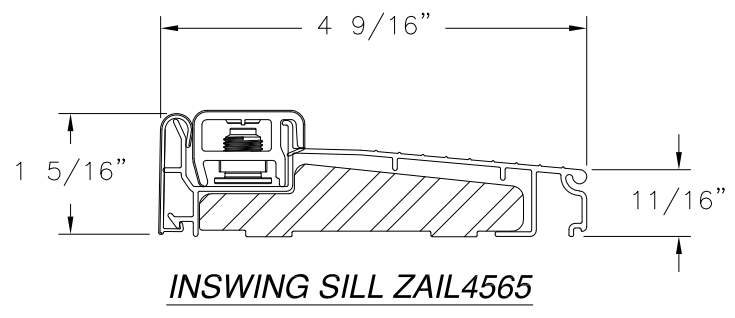
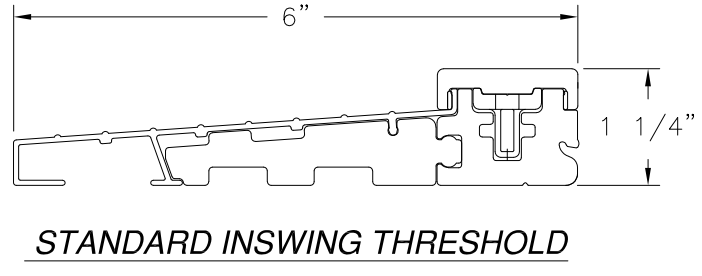
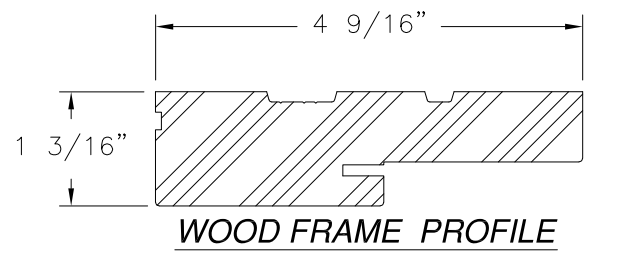
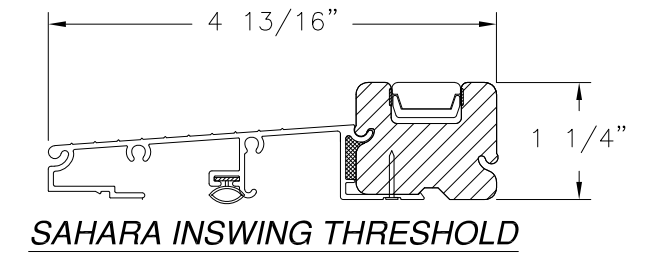
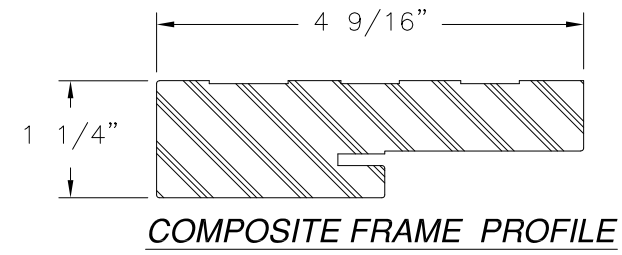
DRAWN: N.G.	DWG NO. 08-02068	REV I
SCALE NTS	DATE 06/18/13	SHEET 13 OF 14

L. ROBERTO LOMAS P.E.  
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FL No.: 62514

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



SIGNED: 08/26/2021

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

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

DRAWN: N.G.	DWG NO. 08-02068	REV I
SCALE NTS	DATE 06/18/13	SHEET 14 OF 14

L. ROBERTO LOMAS P.E.  
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FL No.: 62514