

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
J	REVISE TO ADD ODL KEYSTONE TRIM	08/20/2024	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. 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. BUCKS SHALL EXTEND BEYOND UNIT FRAME INTERIOR FACE SO THAT FULL FRAME SUPPORT IS PROVIDED.
5. 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.
6. FRAME MATERIAL: WOOD WITH G=.46 MINIMUM SPECIFIC GRAVITY, OR COMPOSITE, OR FRAMESAVER.
DOOR SKIN MATERIAL: STEEL .033” THICK (MINIMUM)
SIDELITE SKIN MATERIAL: STEEL .022” THICK (MINIMUM)
7. UNITS MUST BE GLAZED PER ASTM E1300, SEE SHEET 9 FOR GLASS DETAILS.
8. APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS UP TO WIND ZONE 3.
9. 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”.

10. 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.
11. 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.
12. 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.
13. ALL FASTENERS TO BE CORROSION RESISTANT.
14. 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:

14.1. WOOD – MINIMUM SPECIFIC GRAVITY OF G=0.42

14.2. CONCRETE – MINIMUM COMPRESSIVE STRENGTH OF 3,192 PSI.

14.3. MASONRY – GROUT FILLED STRENGTH CONFORMANCE TO ASTM C-90, GRADE N, TYPE 1 (OR GREATER).

14.4. METAL STRUCTURE: STEEL 18GA, 33KSI OR ALUMINUM 6063-T5 .048” THICK MINIMUM

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

STEEL INSWING GLAZED SINGLE DOOR
W/TRANSOM – IMPACT
NOTES

DRAWN:
J.L.

DWG NO.
08-01942

REV
J

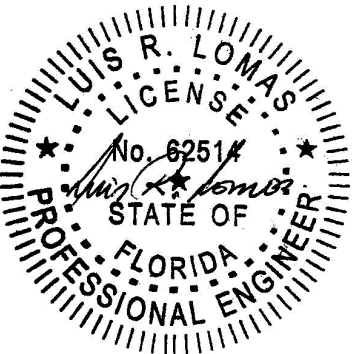
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DATE 04/22/13

SHEET 1 OF 13

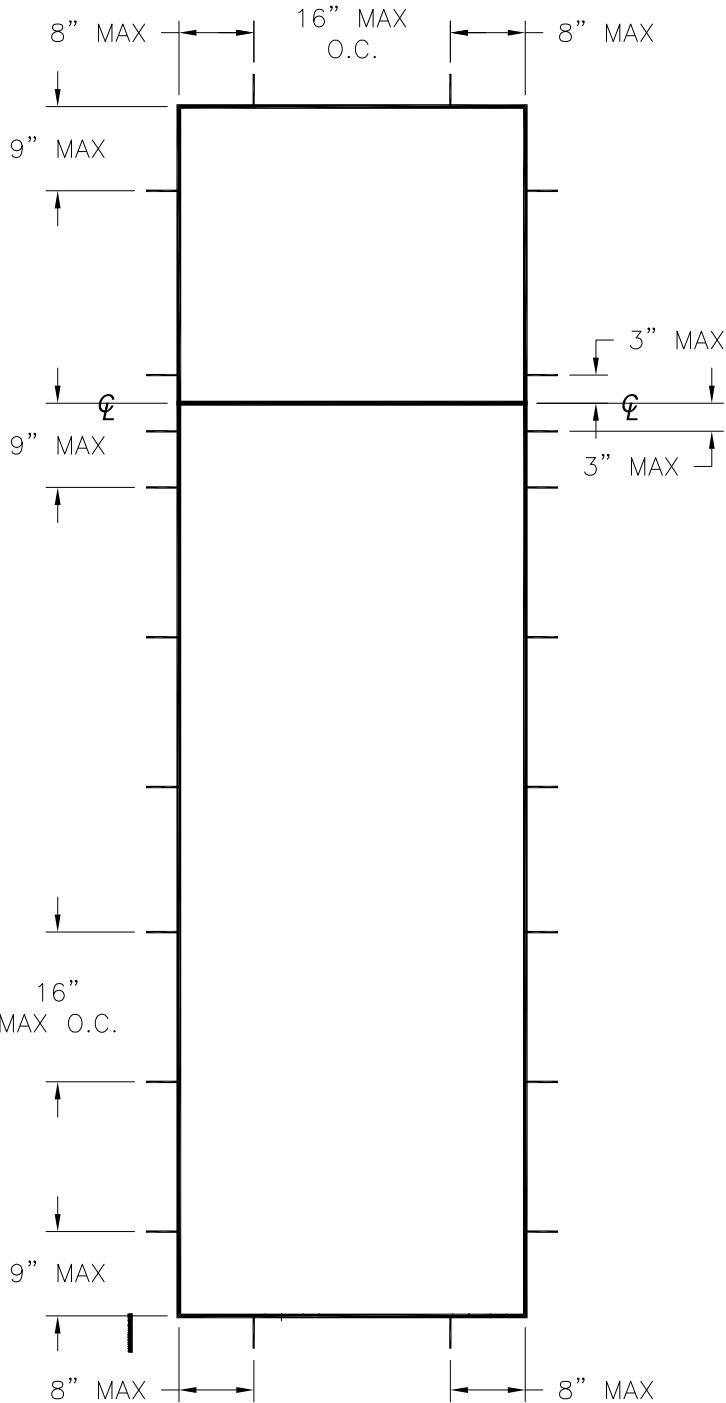
L. ROBERTO LOMAS P.E.
1432 WOODFORD RD LEWISVILLE, NC 27023
434-688-0609 rllomas@lrlomaspe.com

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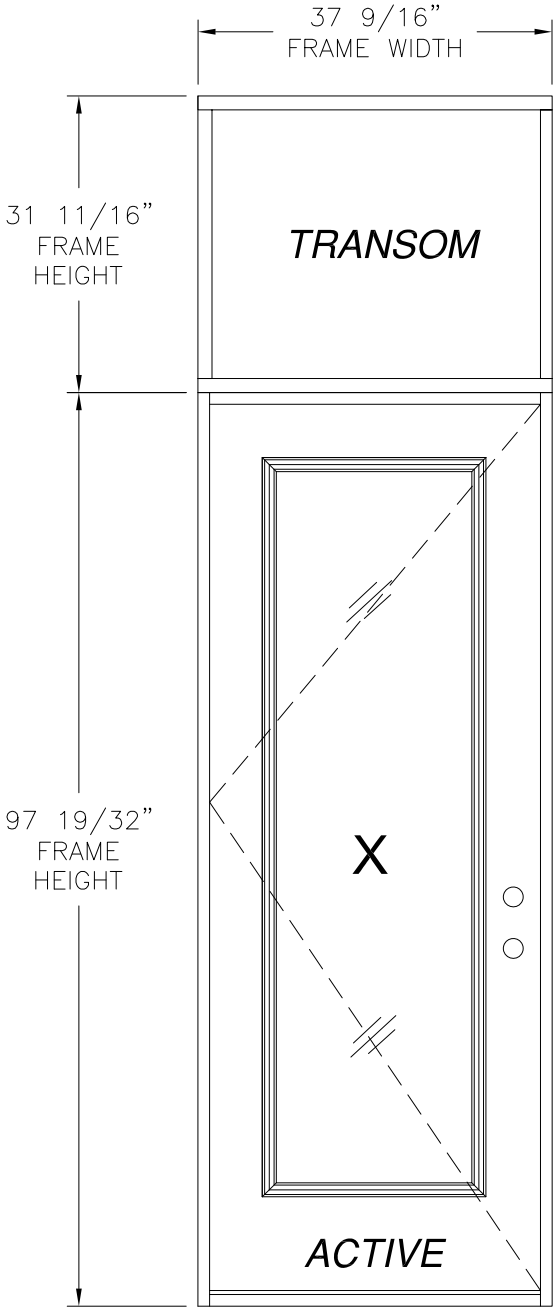


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FL No.: 62514

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.	PANOLOCK MULTI-POINT LOCK ASSEMBLY (ALTERNATE)
G.	(3) 4" X 4" BALL BEARING HINGES BY PENROD
H.	(3) 4" X 4" SPRING BOMMER HINGES BY PENROD (ALTERNATE)



ANCHORING LAYOUT

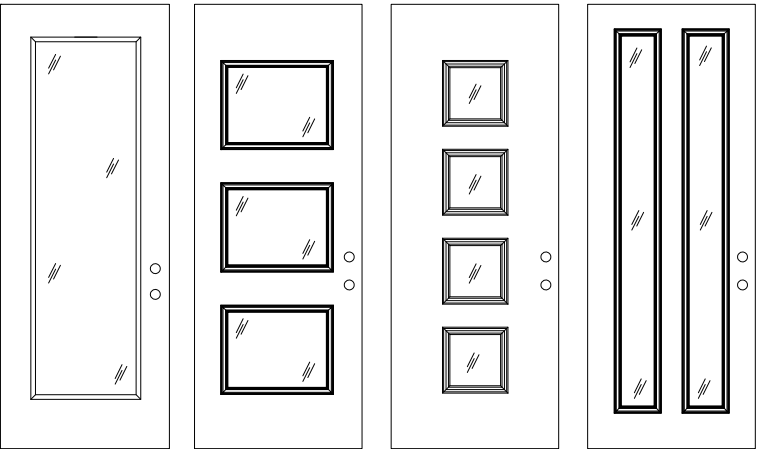


SINGLE DOOR W/ TRANSOM
EXTERIOR VIEW

- NOTES:
- PANEL SIZE: 35 3/4" X 94 15/16"
 - D.L.O.: 20 3/8" X 78 1/2"

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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 11.1 FT²

DESIGN PRESSURE RATING	IMPACT RATING
±55.0PSF	LARGE MISSILE IMPACT

MISSILE LEVEL D, WIND ZONE 3

DESIGN PRESSURE RATING	IMPACT RATING
±50.0PSF	LARGE MISSILE IMPACT

MISSILE LEVEL D, WIND ZONE 3

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W/TRANSOM – IMPACT
ELEVATION AND ANCHORING LAYOUT

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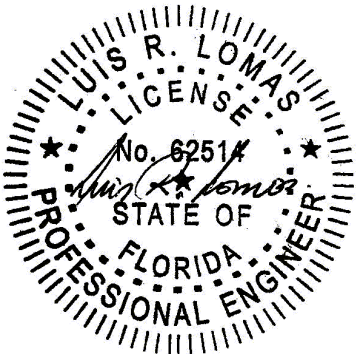
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SHEET 2 OF 13

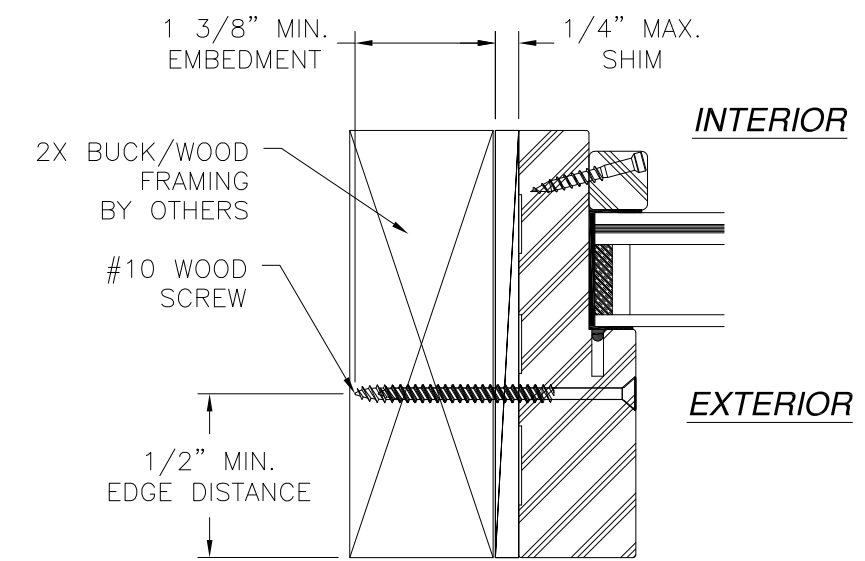
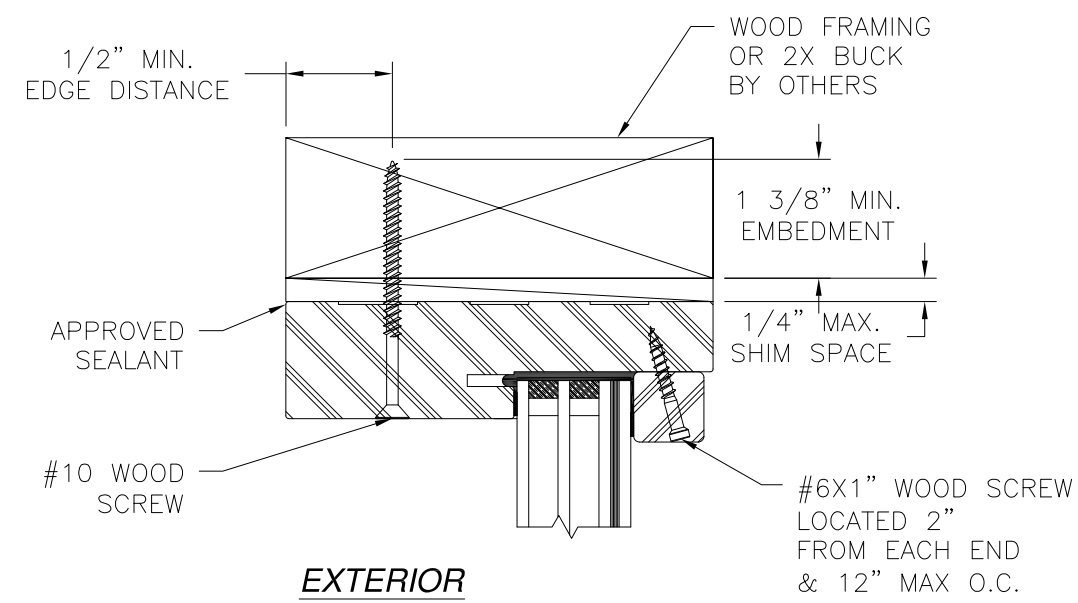
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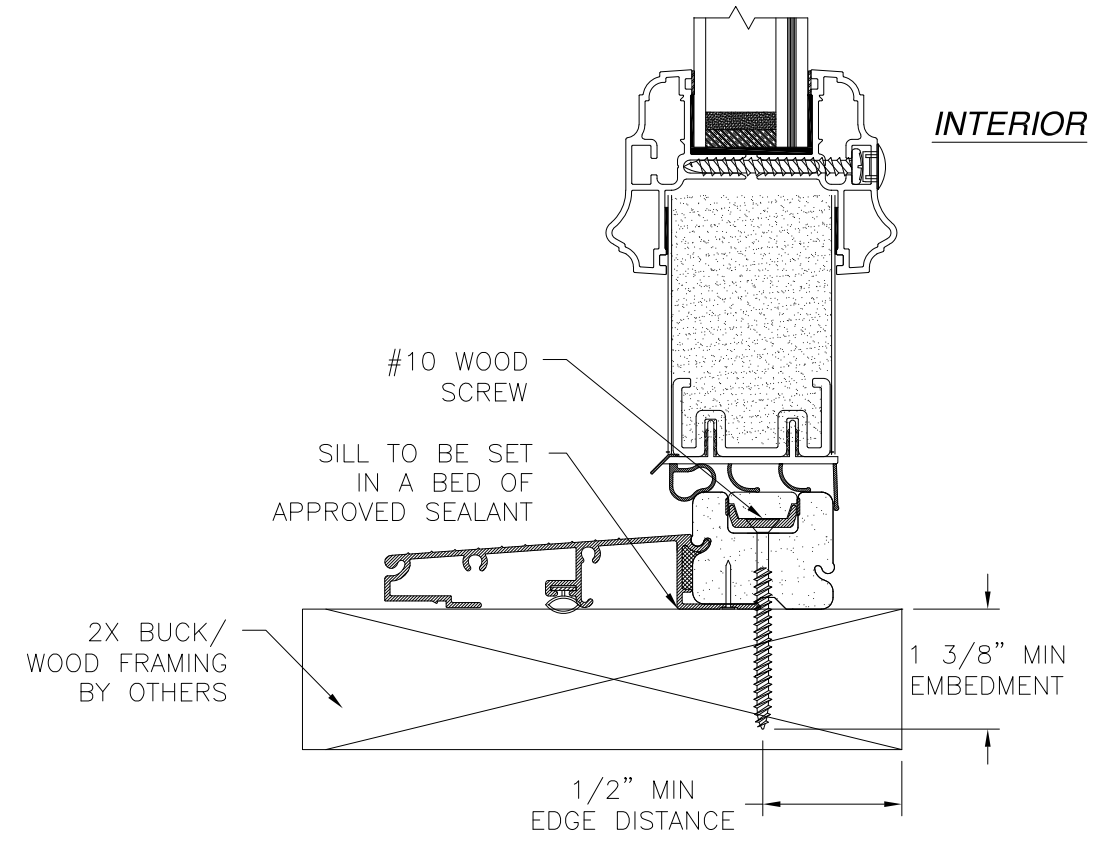


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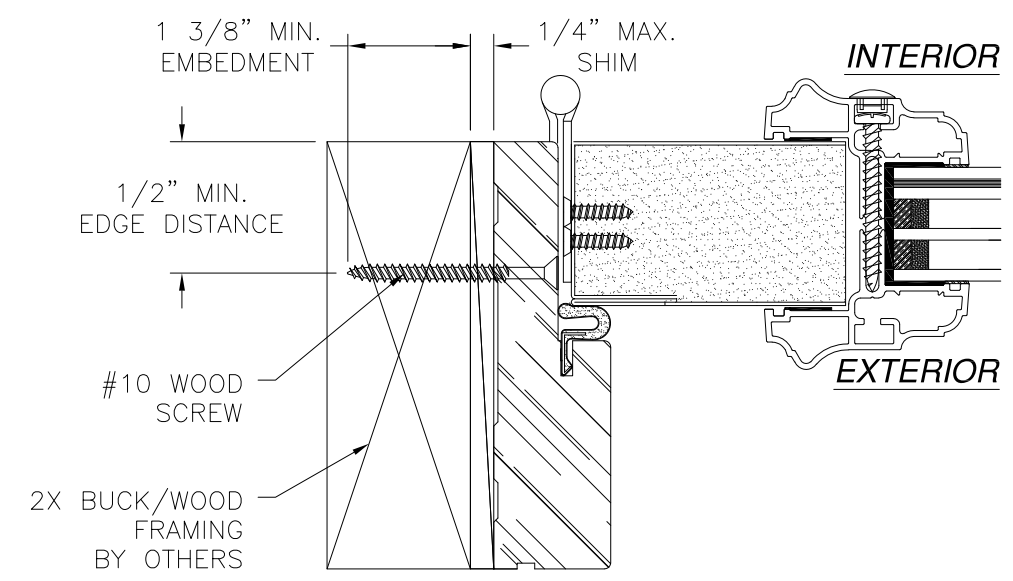
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HORIZONTAL CROSS SECTION
TRANSOM INSTALLATION 2X BUCK/WOOD FRAMING



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



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

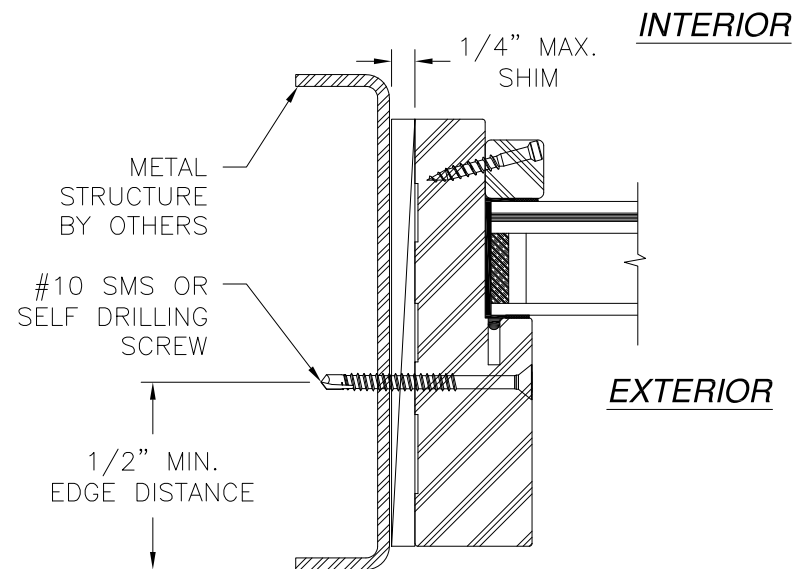
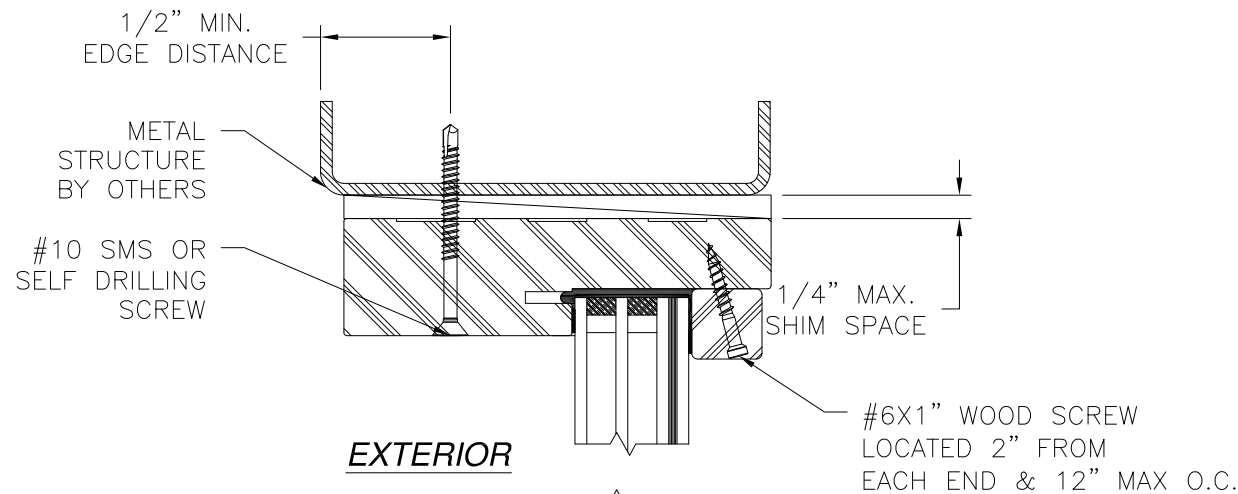
- NOTES:
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 - PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112

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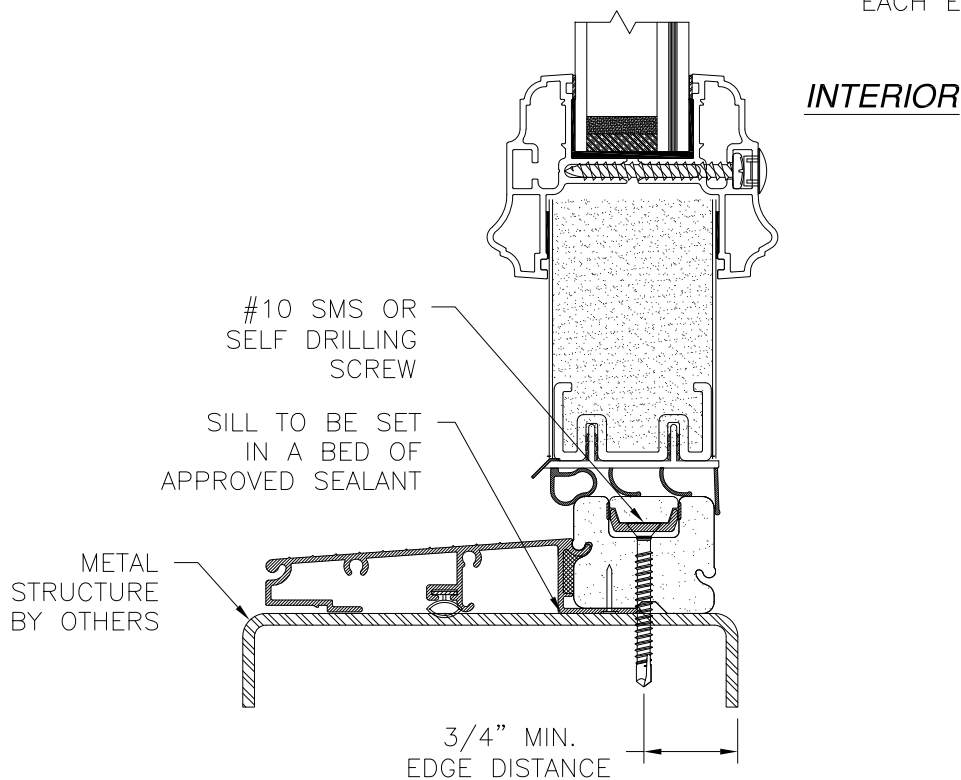
PROVIA, LLC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
STEEL INSWING GLAZED SINGLE DOOR W/TRANSOM - IMPACT INSTALLATION DETAILS		
DRAWN: J.L.	DWG NO. 08-01942	REV J
SCALE NTS	DATE 04/22/13	SHEET 3 OF 13
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Professional Engineer Seal for Luis R. Lomas, State of Florida, License No. 62514.

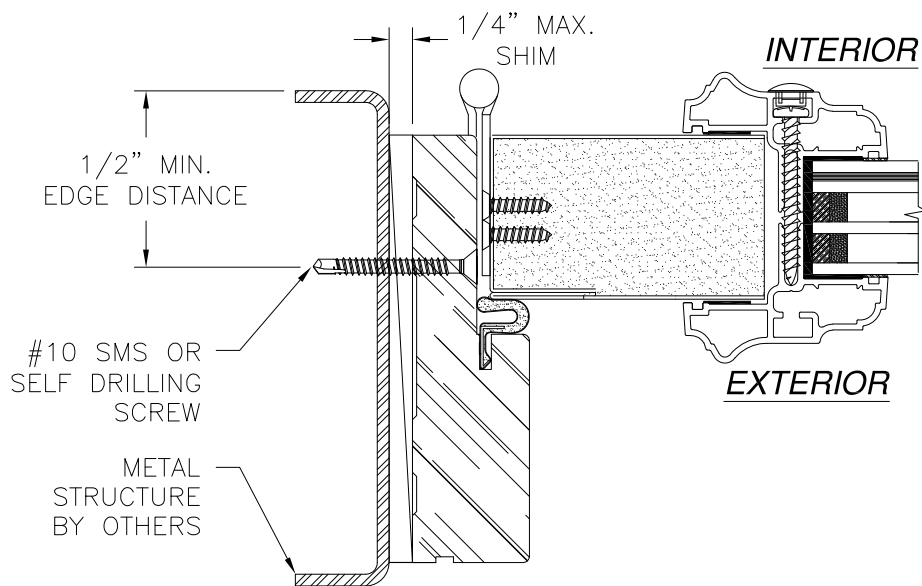
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HORIZONTAL CROSS SECTION
TRANSOM INSTALLATION METAL STRUCTURE



VERTICAL CROSS SECTION
DOOR AND TRANSOM INSTALLATION METAL STRUCTURE

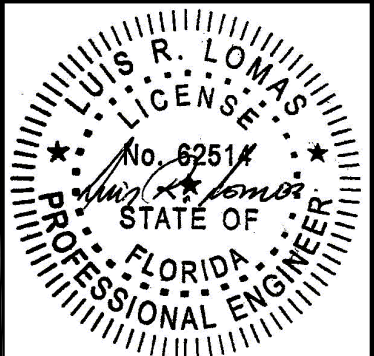


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DOOR INSTALLATION METAL STRUCTURE

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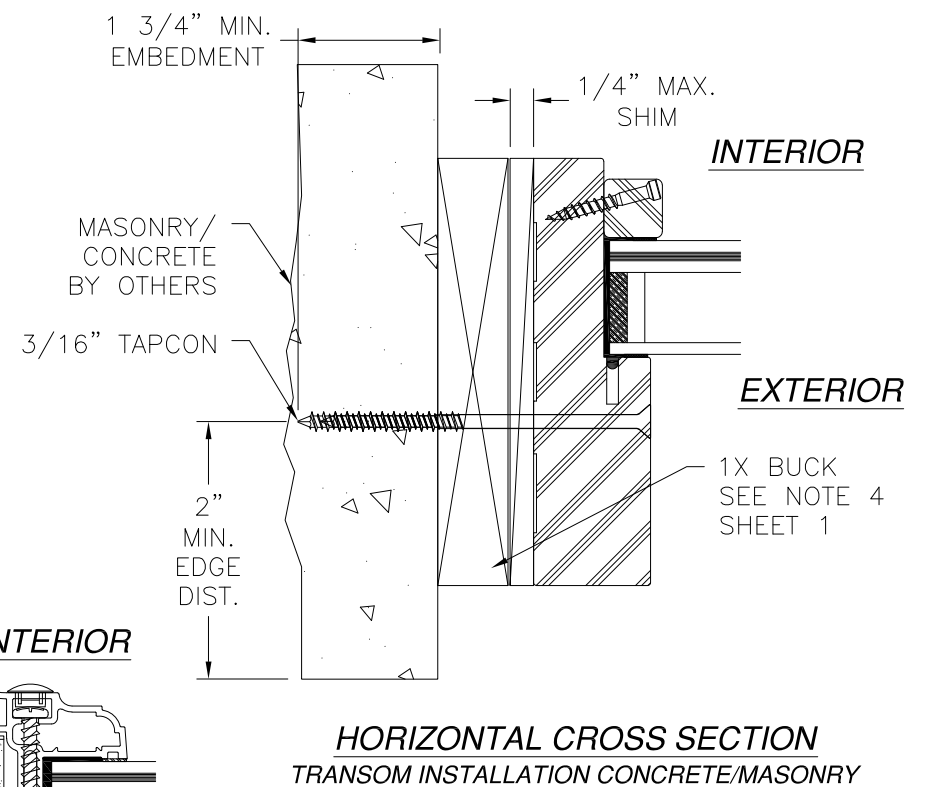
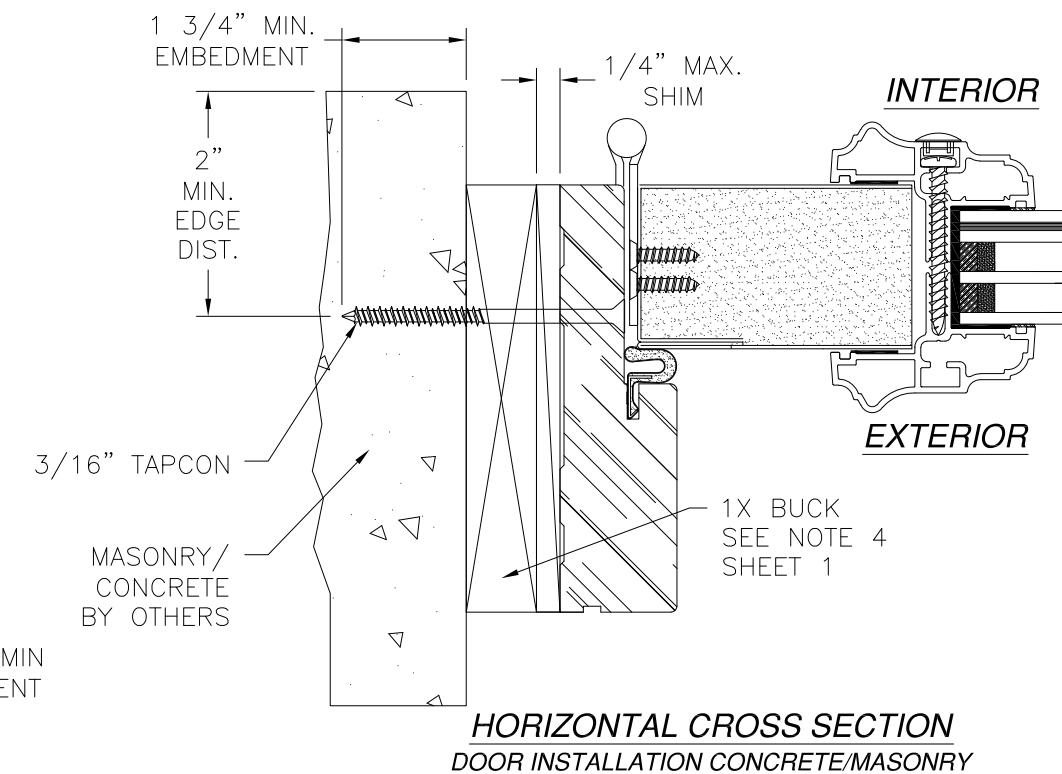
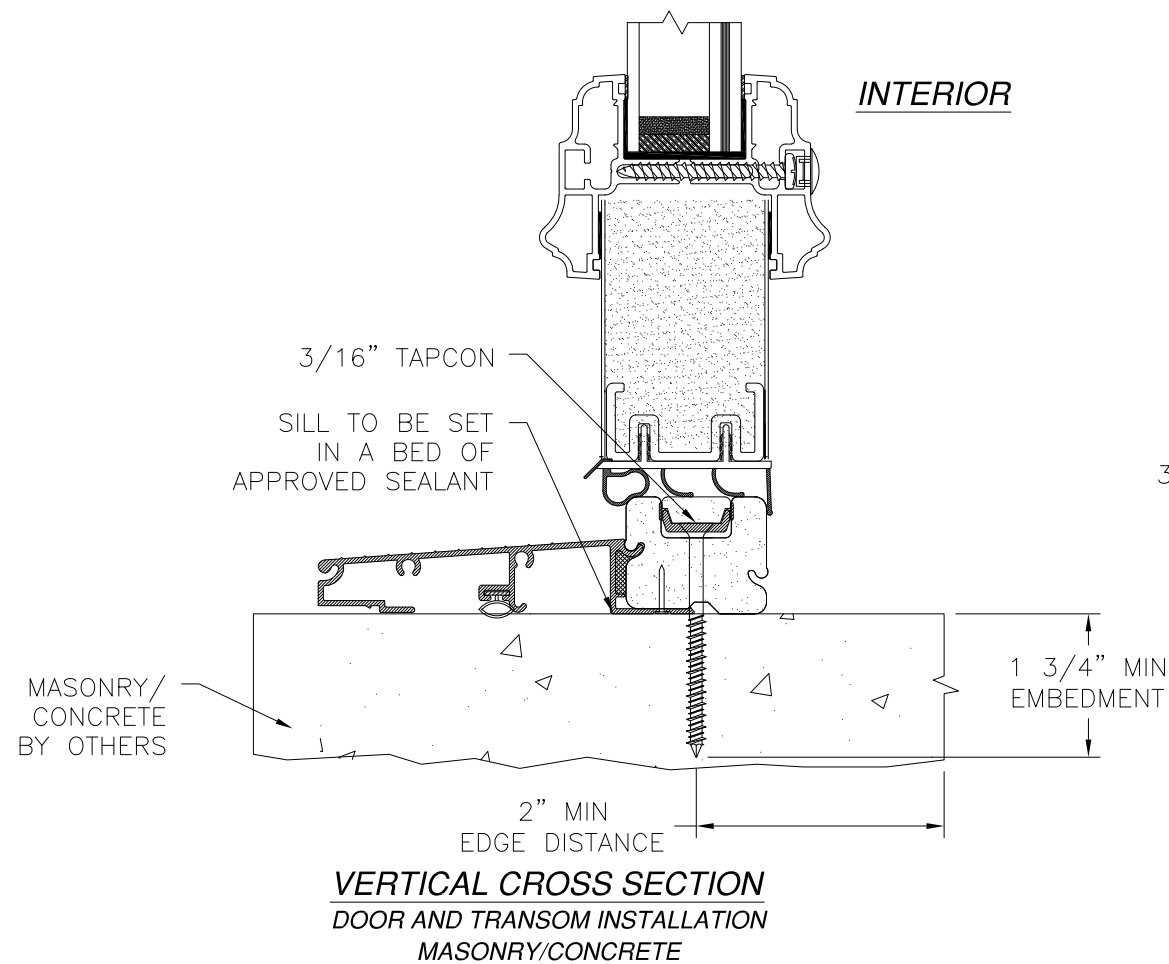
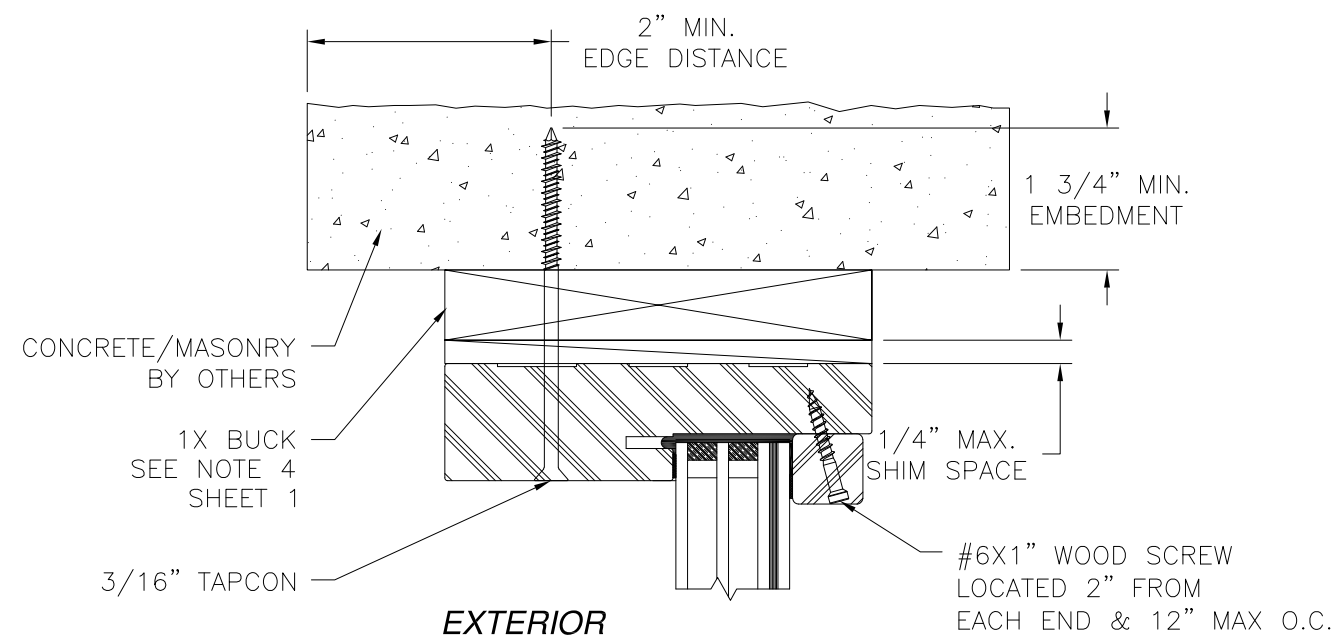
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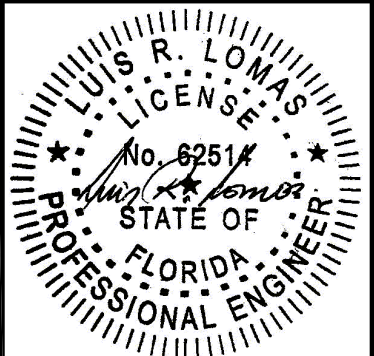
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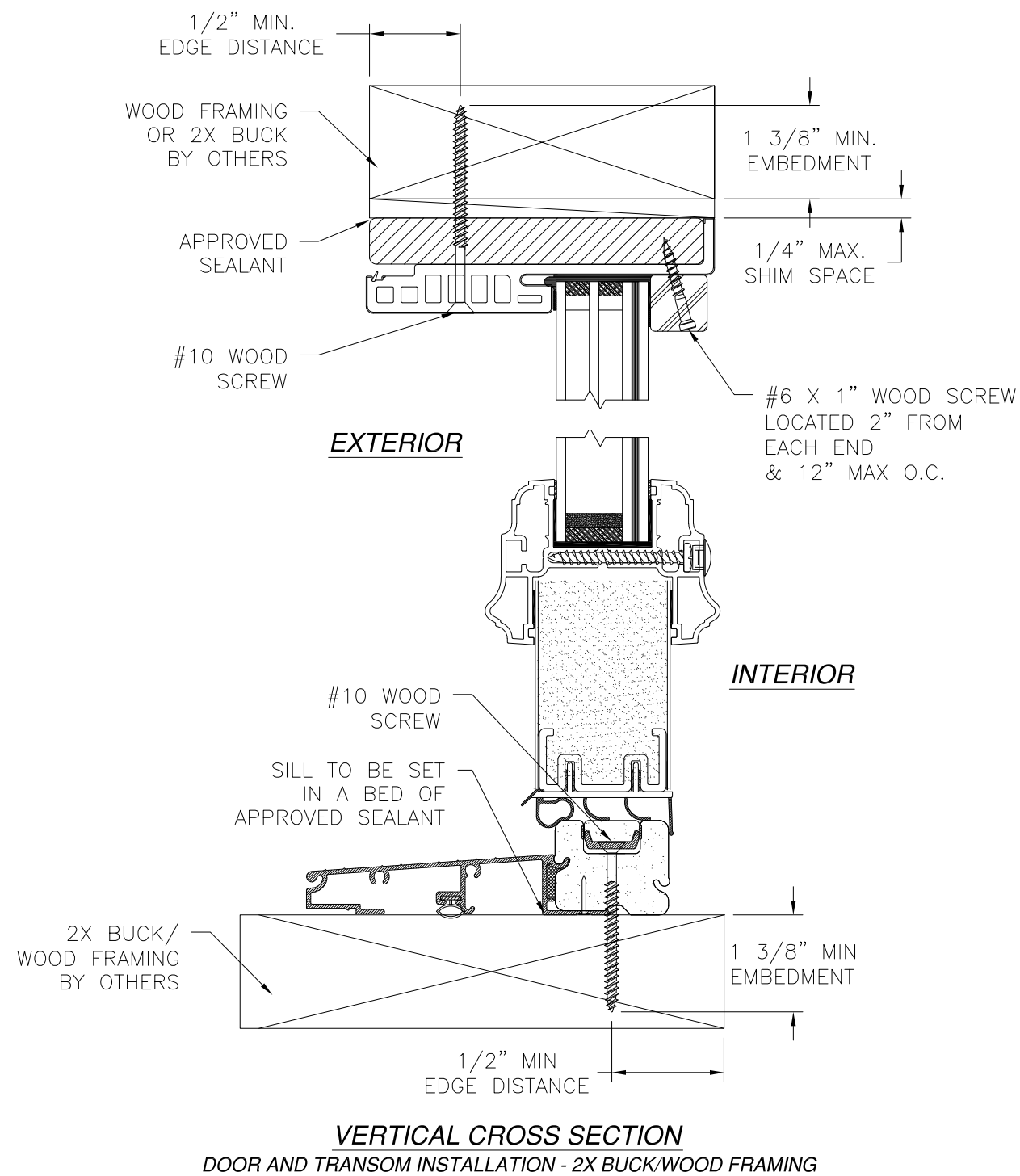
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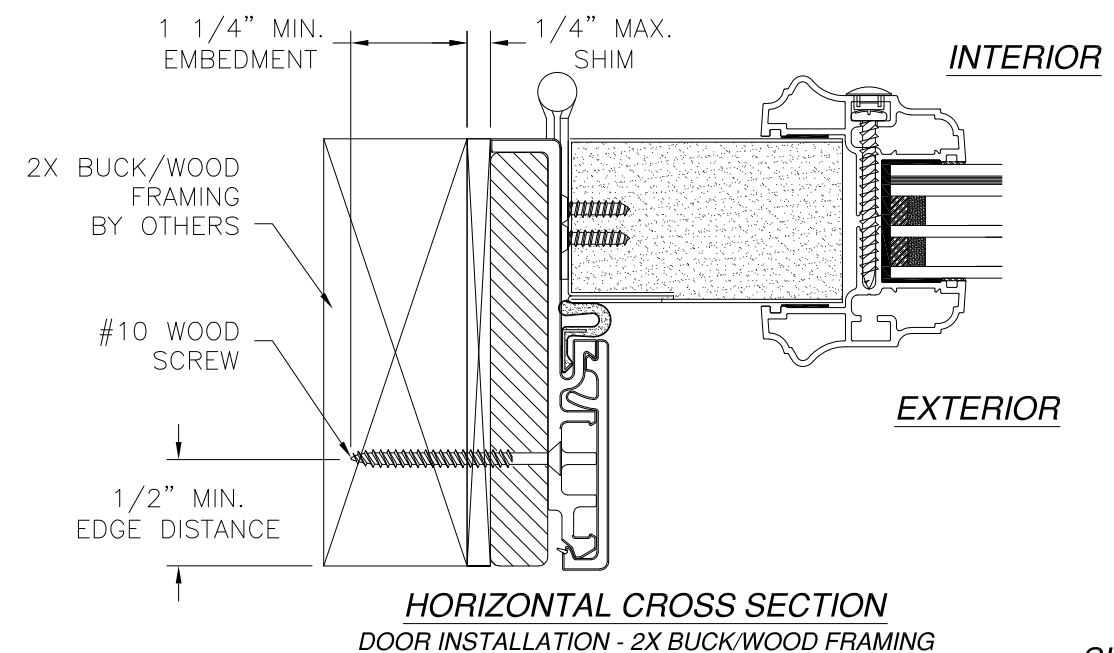
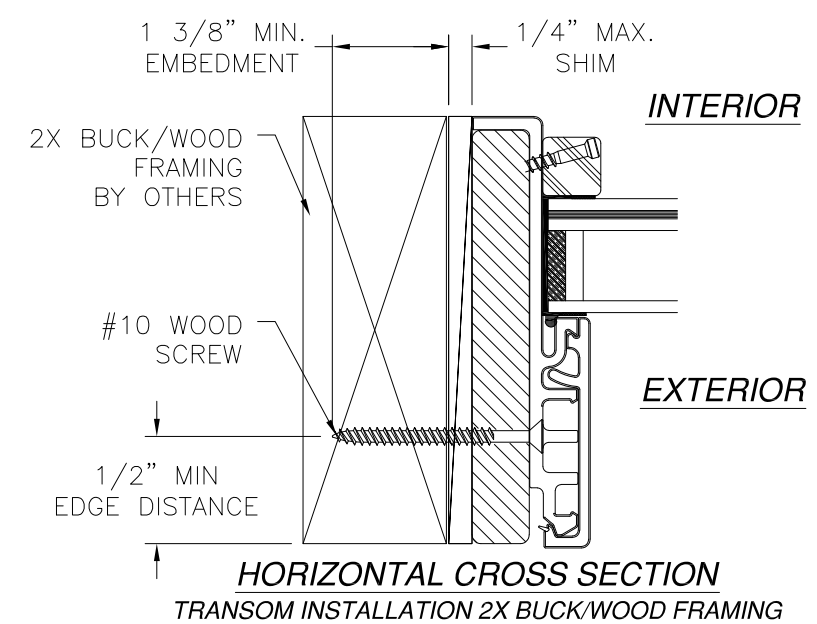


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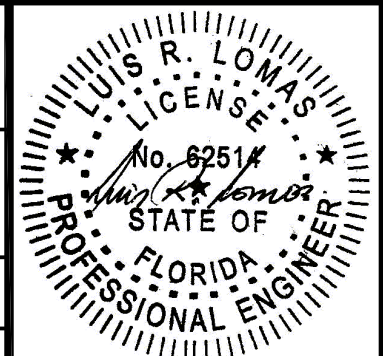


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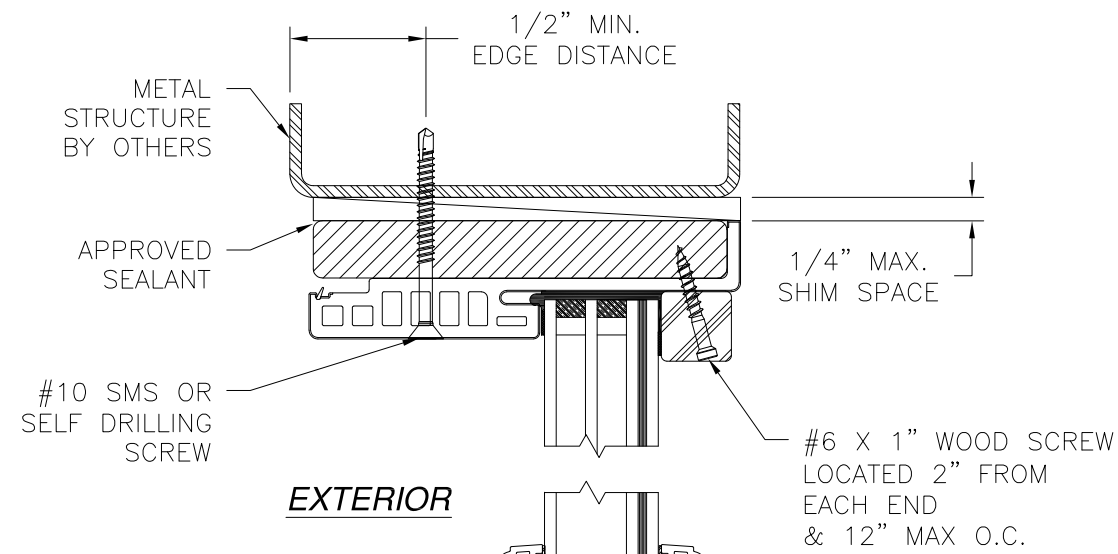
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STEEL INSWING GLAZED SINGLE DOOR W/TRANSOM - IMPACT INSTALLATION DETAILS W/FUSION FRAME		
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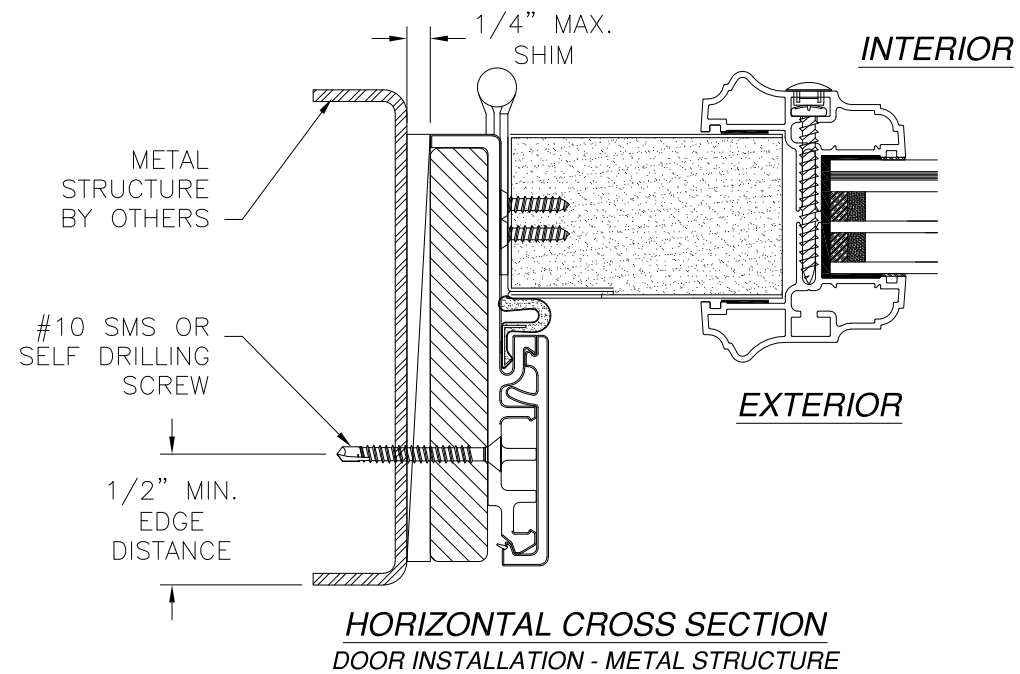
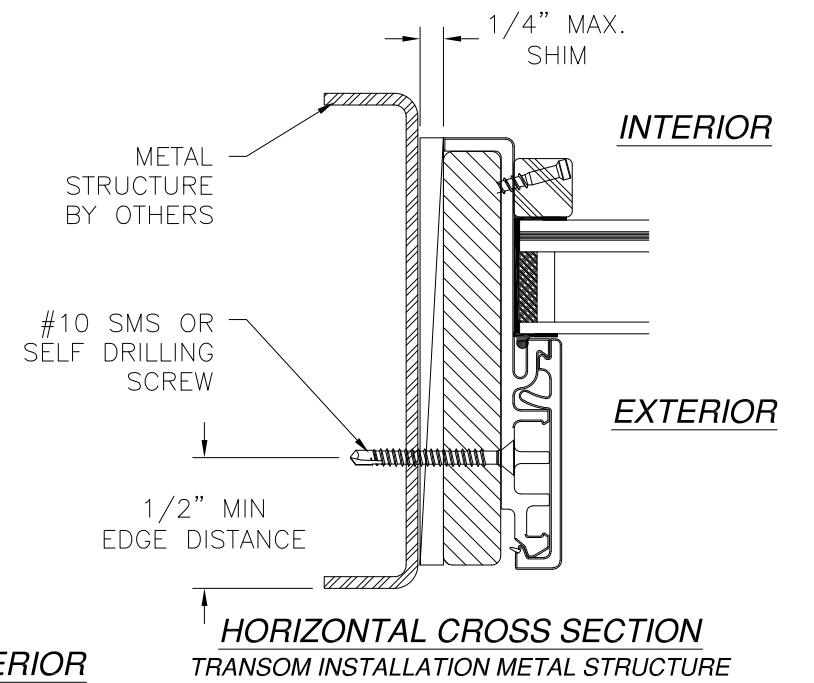


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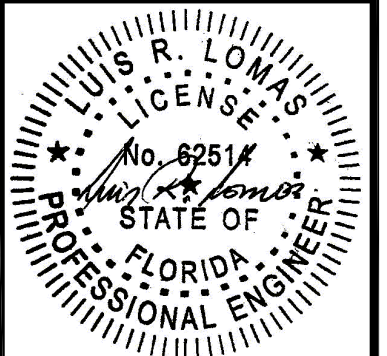
VERTICAL CROSS SECTION
DOOR AND TRANSOM INSTALLATION - METAL STRUCTURE



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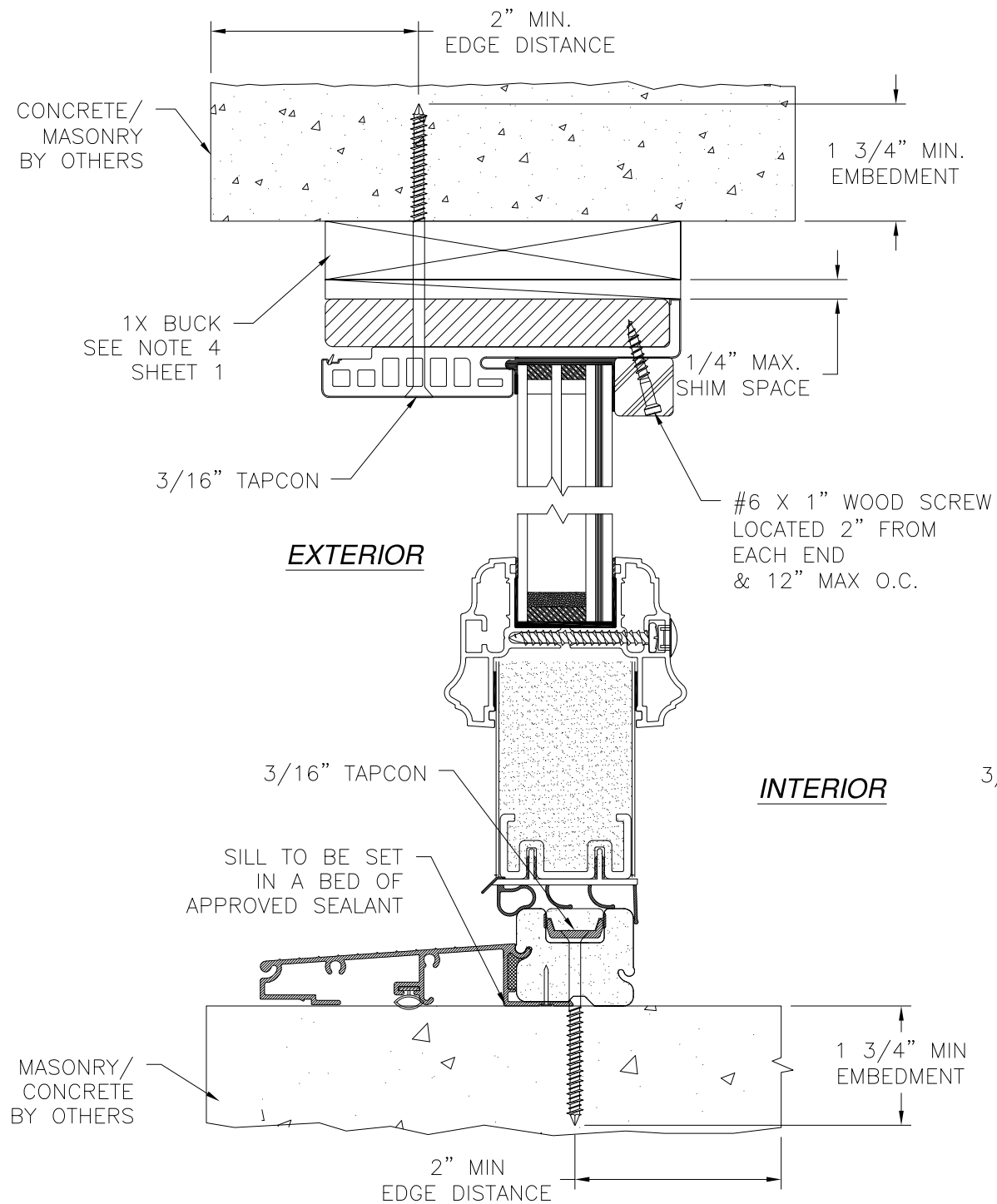
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L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@lrlomaspe.com		

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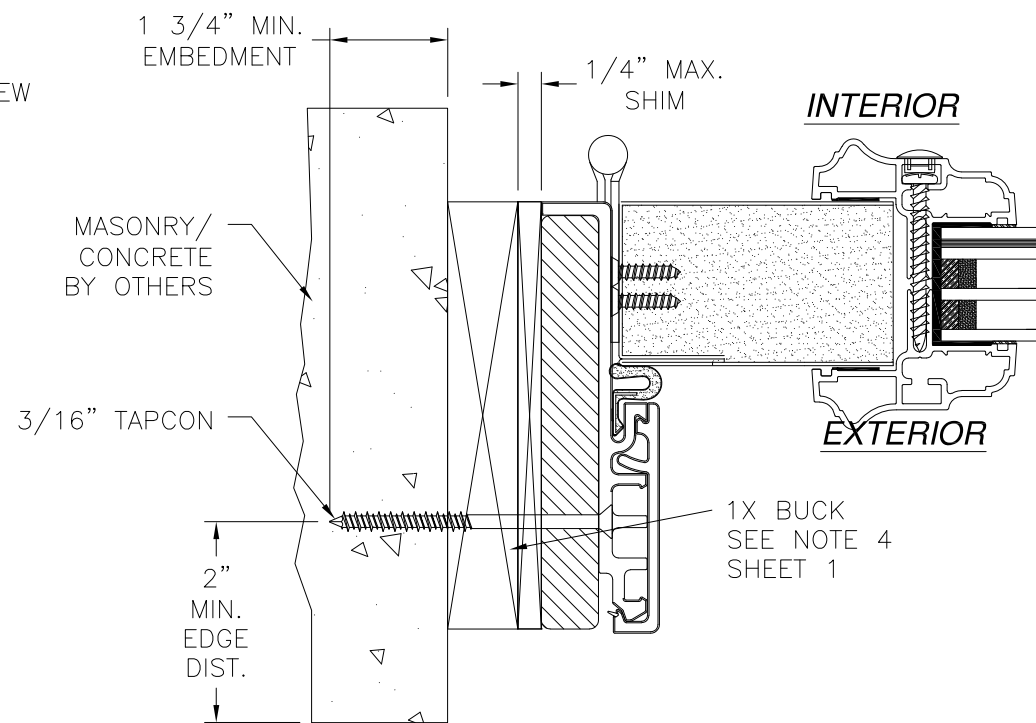
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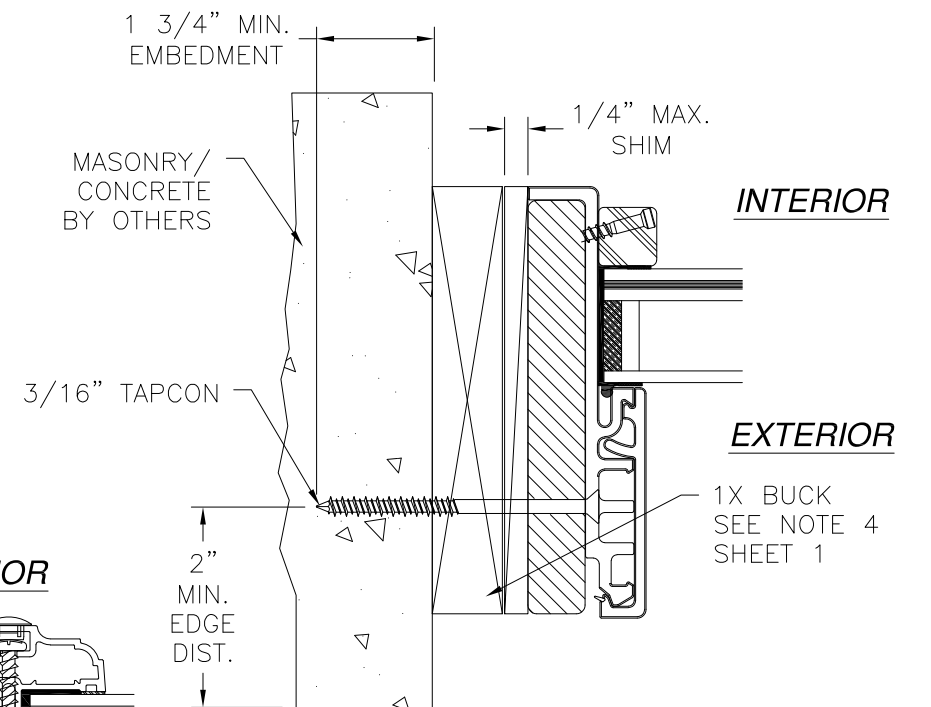


VERTICAL CROSS SECTION
DOOR AND TRANSOM INSTALLATION MASONRY/CONCRETE

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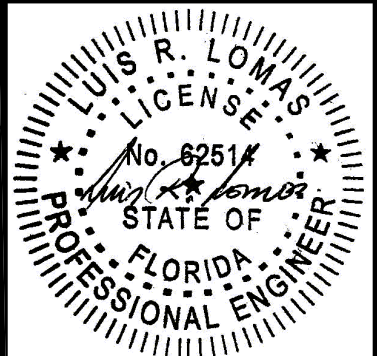
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DOOR INSTALLATION CONCRETE/MASONRY



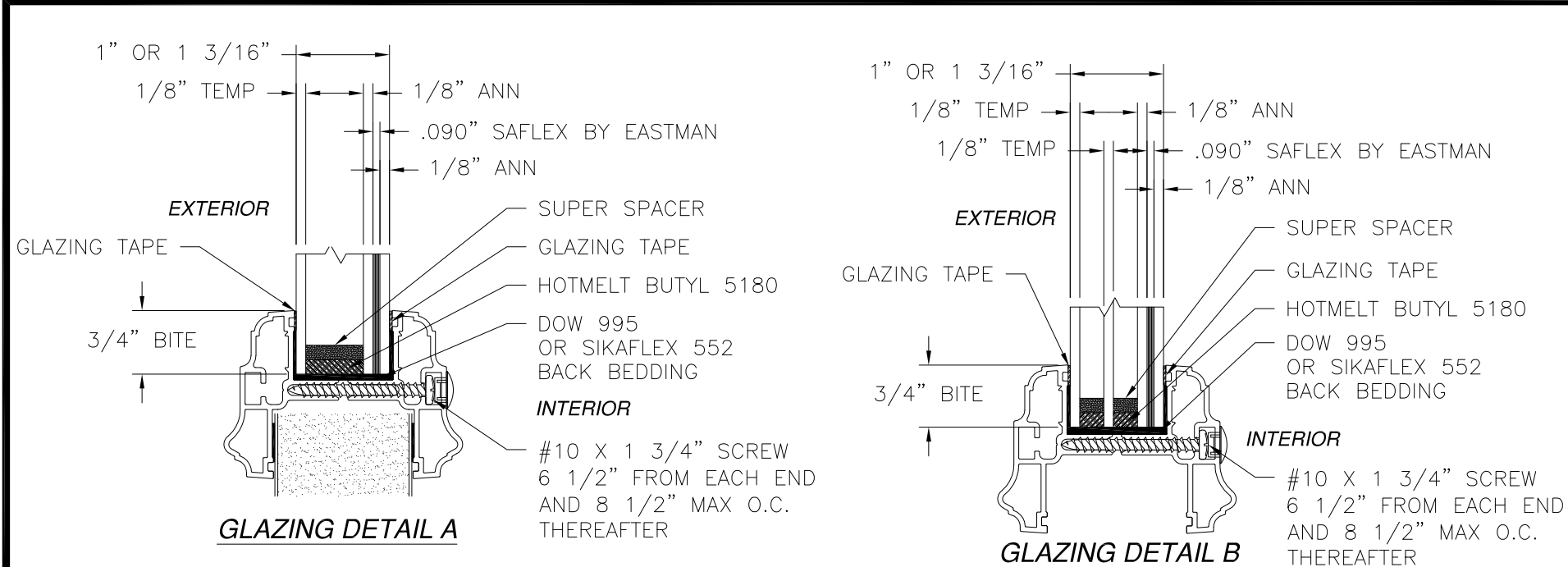
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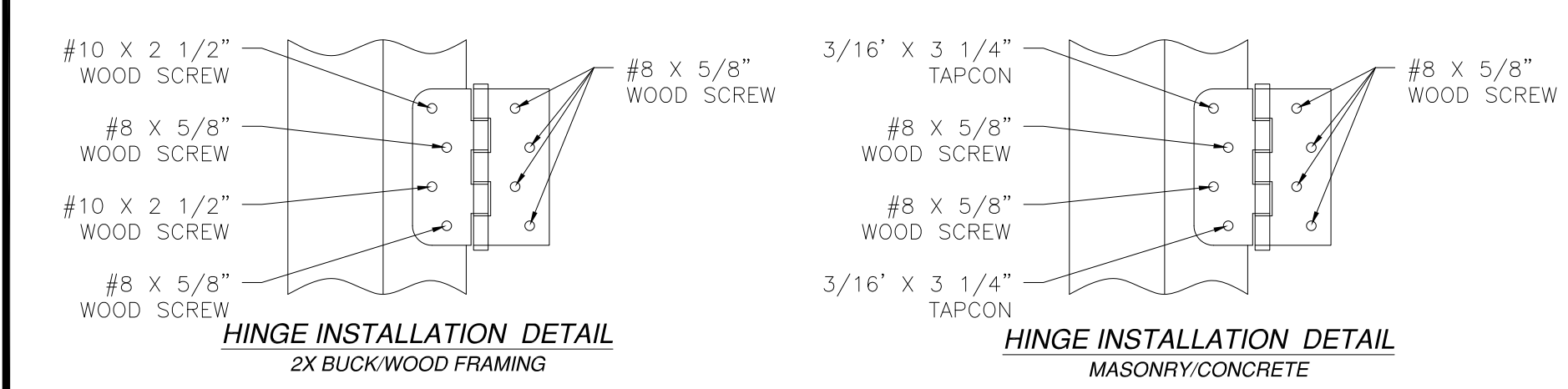
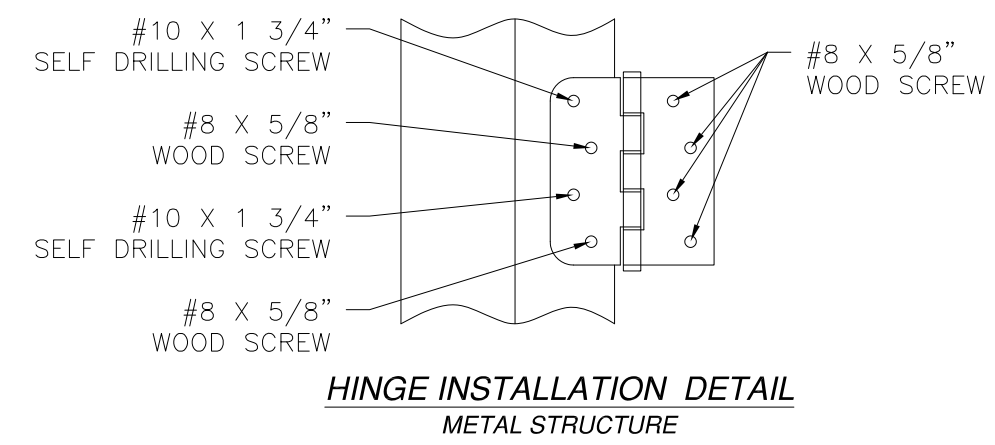
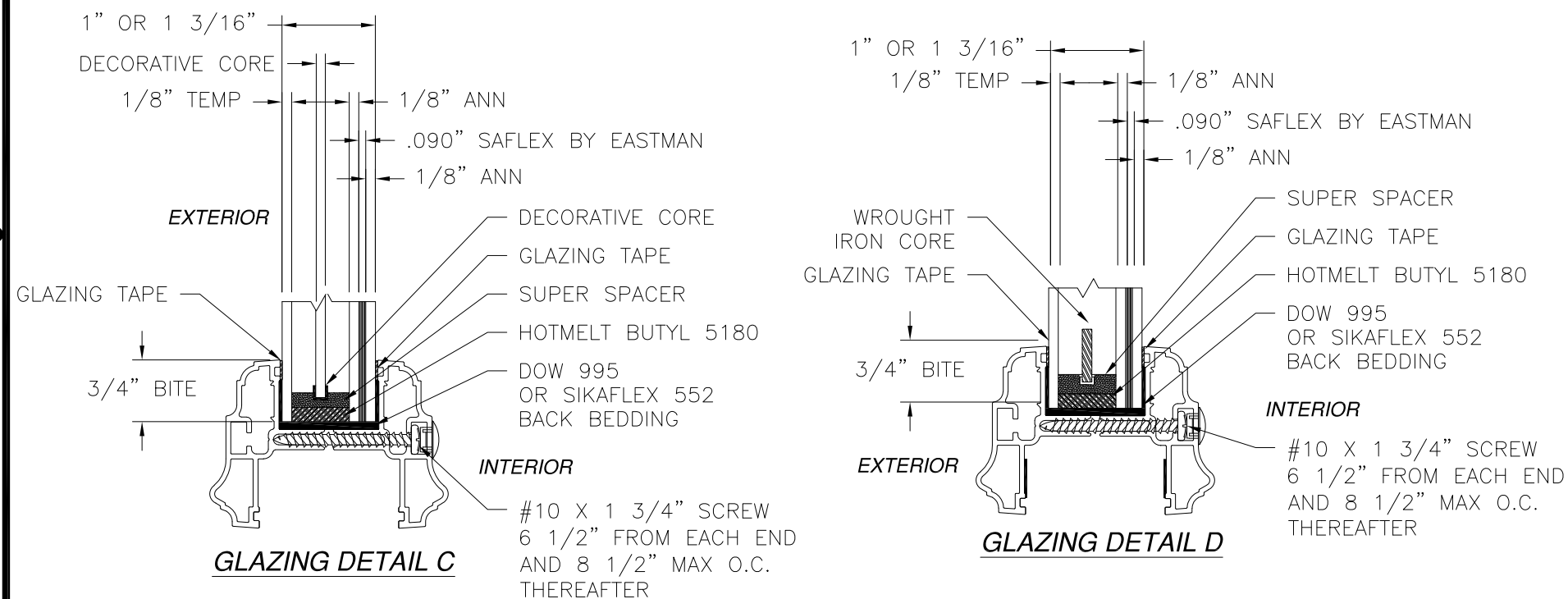
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GLAZING AND HINGES DETAILS

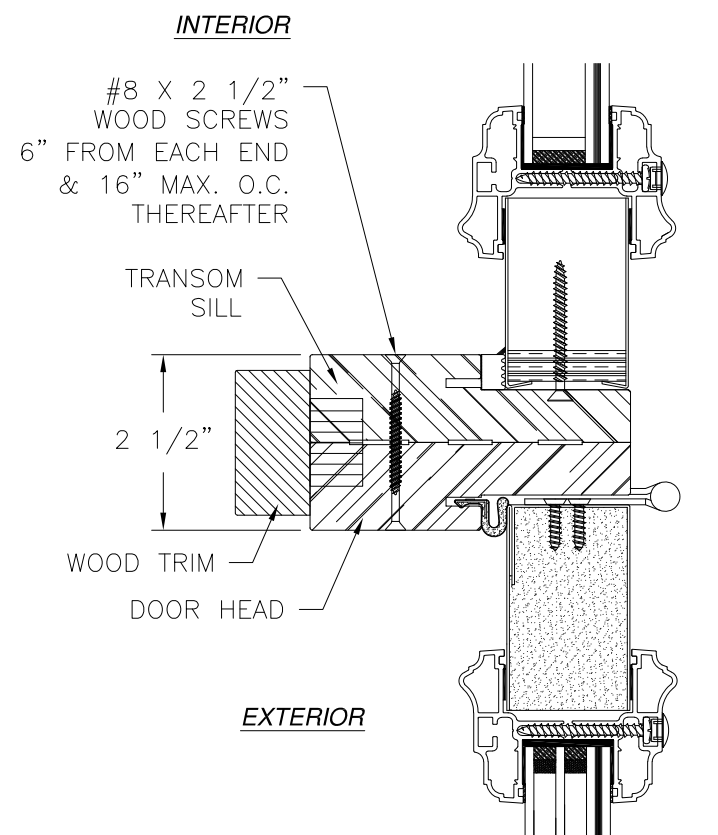
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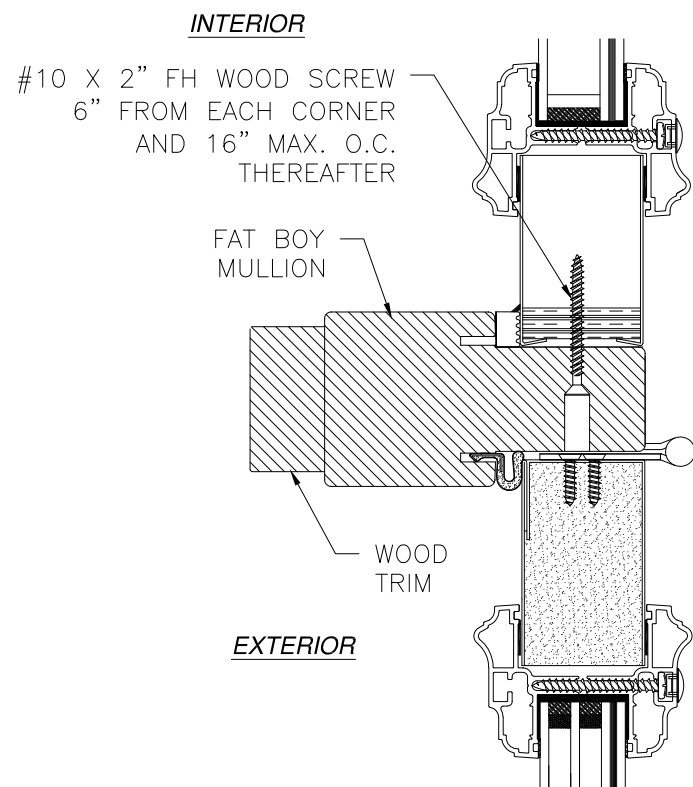
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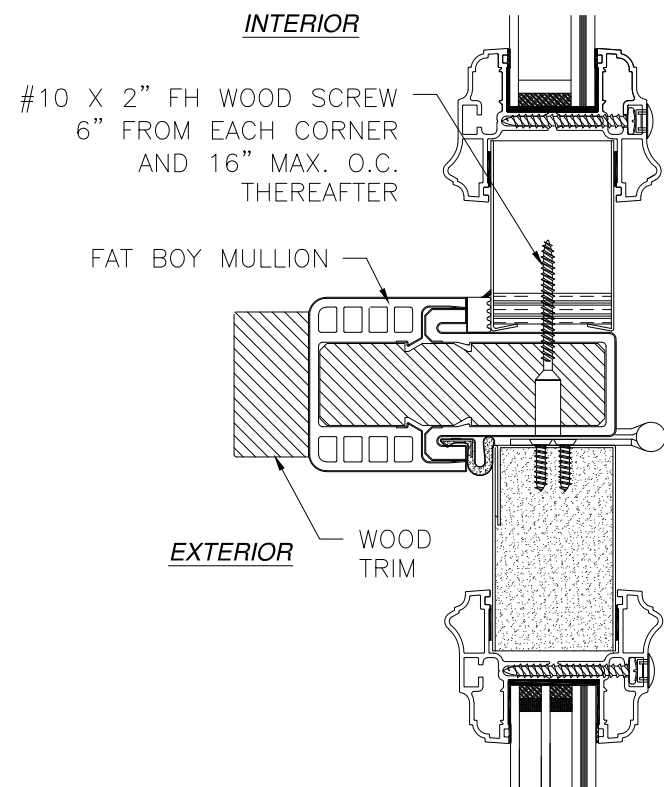
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HORIZONTAL MULLION DETAIL
STANDARD FRAME SHOWN,
COMPOSITE AND FUSION FRAME SIMILAR



MULLION DETAIL
WITH FAT BOY MULLION



MULLION DETAIL
WITH HYBRID FAT BOY MULLION

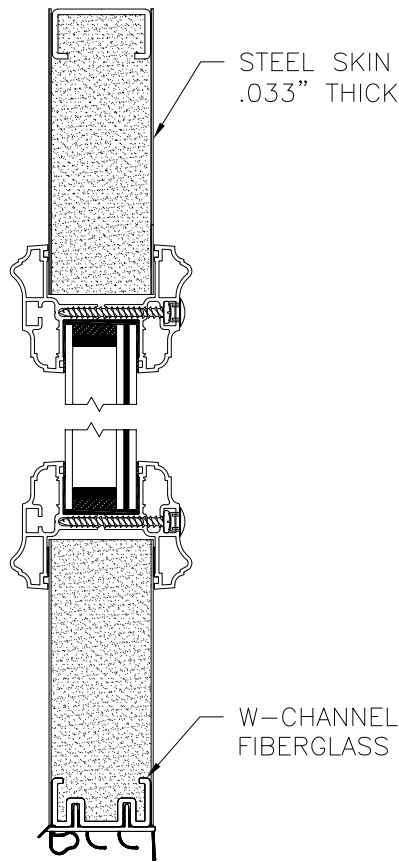
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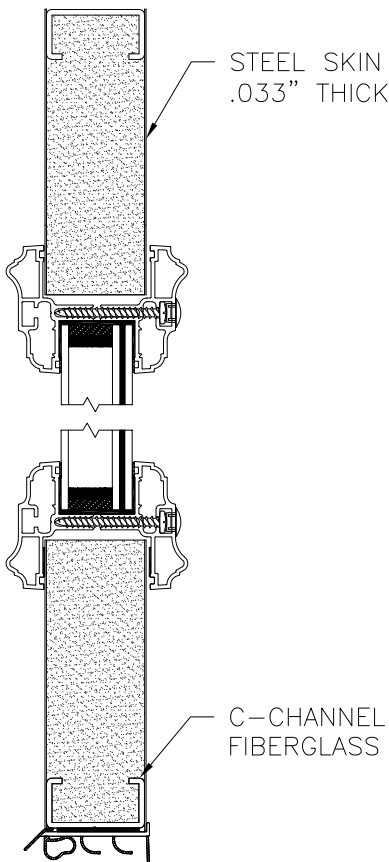
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APPROVED SLABS AND TRIMS

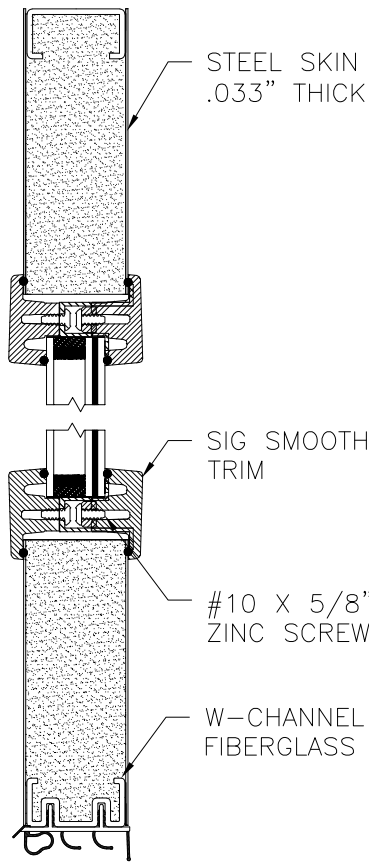
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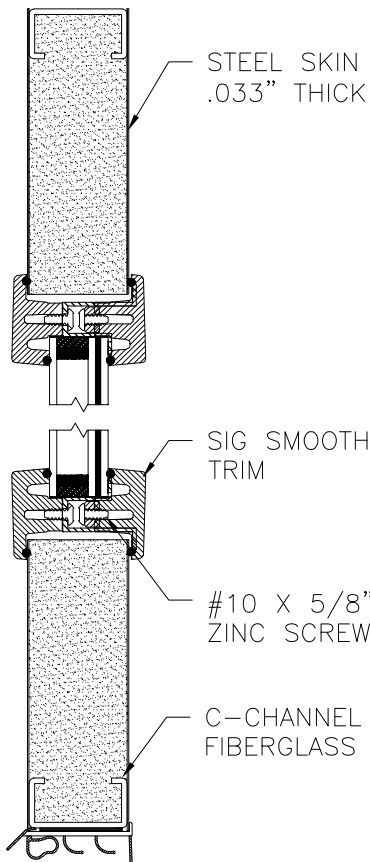
PANEL OPTION 1



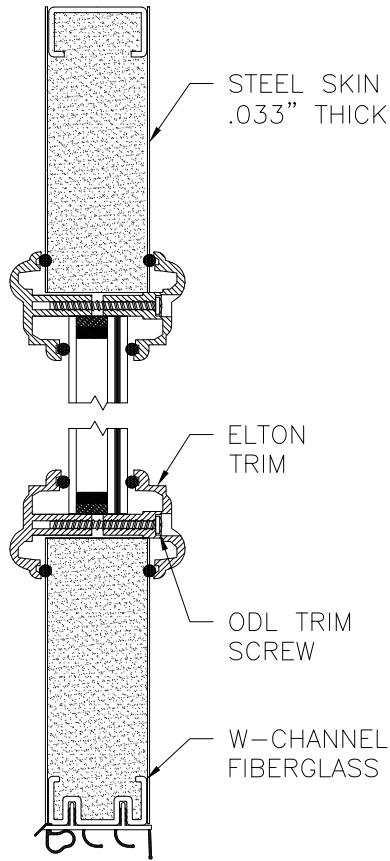
PANEL OPTION 2



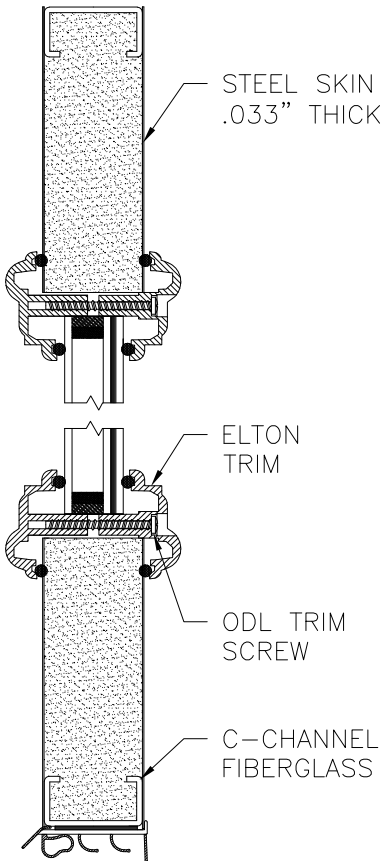
PANEL OPTION 3



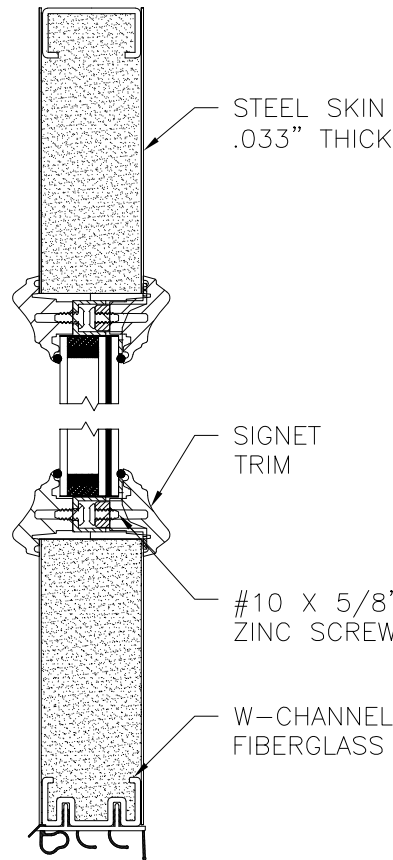
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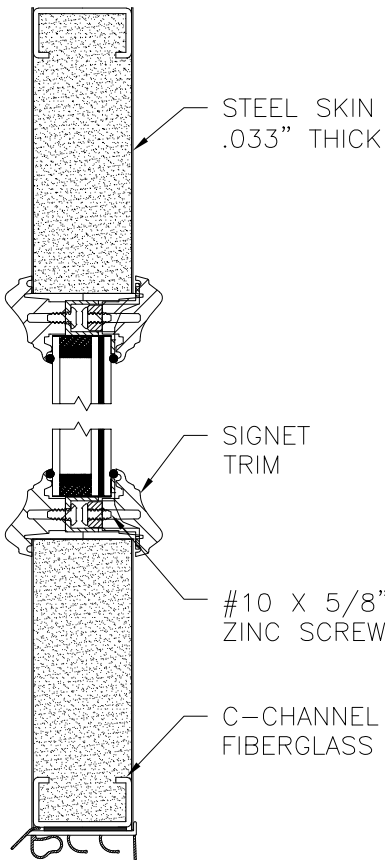
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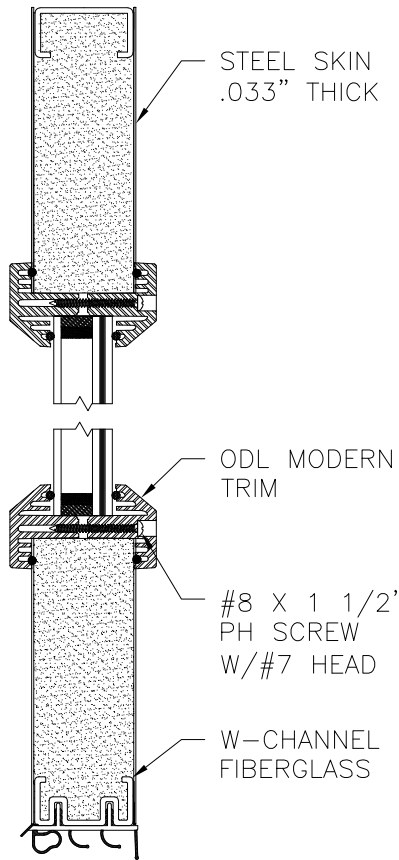
PANEL OPTION 10



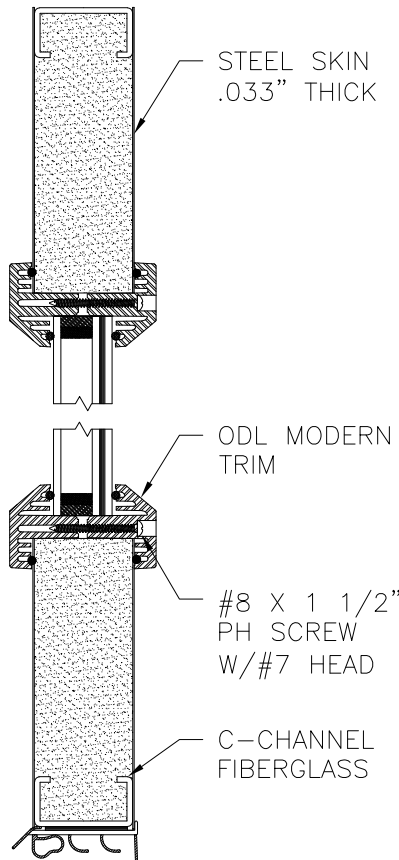
PANEL OPTION 5



PANEL OPTION 6



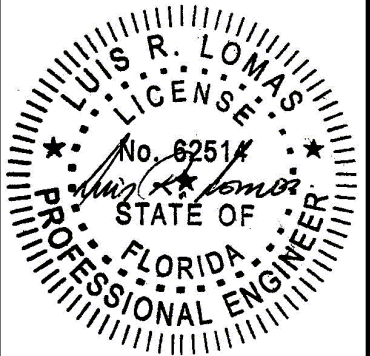
PANEL OPTION 7



PANEL OPTION 8

PROVIA, LLC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
STEEL INSWING GLAZED SINGLE DOOR W/TRANSOM - IMPACT APPROVED SLABS		
DRAWN: J.L.	DWG NO. 08-01942	REV J
SCALE NTS	DATE 04/22/13	SHEET 11 OF 13
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@lrlomaspe.com		

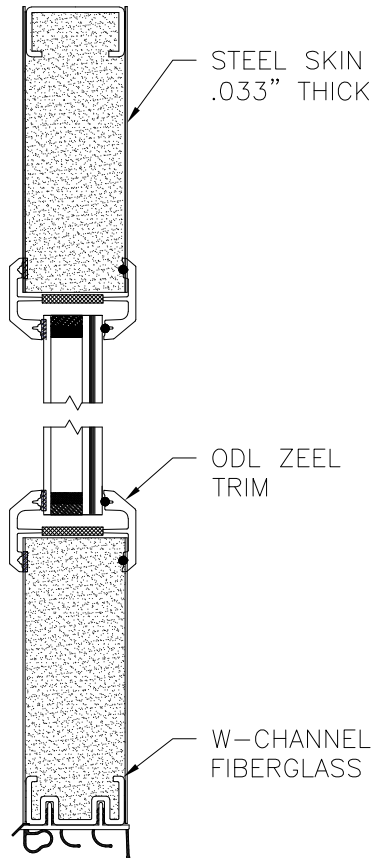
SIGNED: 08/27/2024



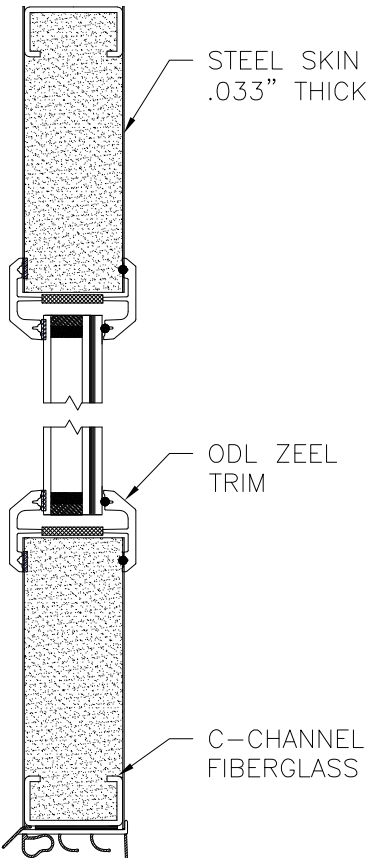
Luis R. Lomas P.E.
FL No.: 62514

APPROVED SLABS AND TRIMS

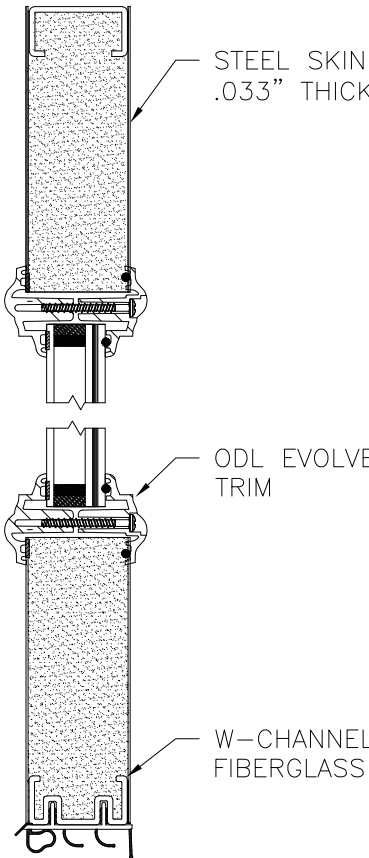
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
J	REVISE TO ADD ODL KEYSTONE TRIM	08/20/2024	R.L.



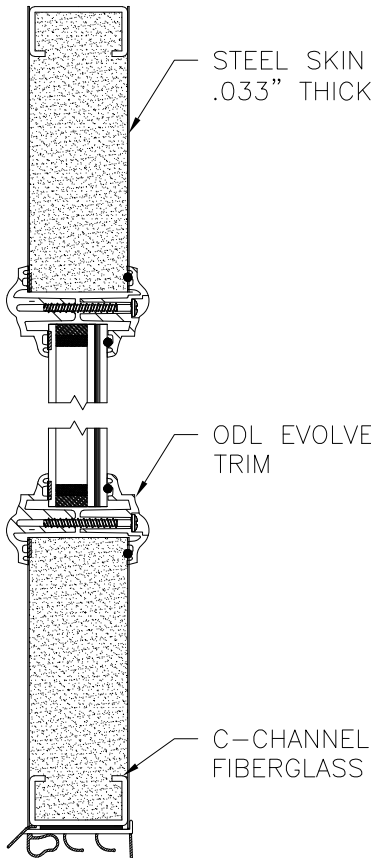
PANEL OPTION 11



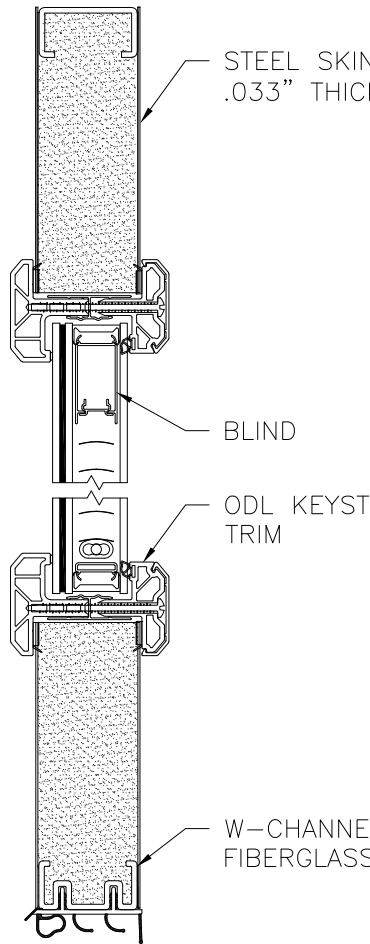
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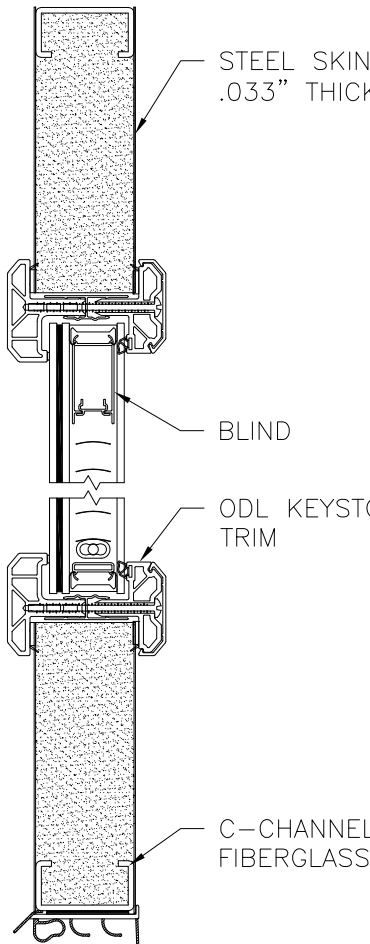
PANEL OPTION 13



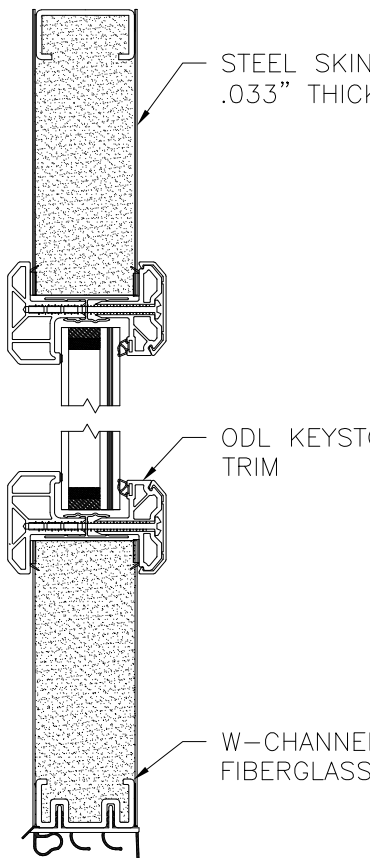
PANEL OPTION 14



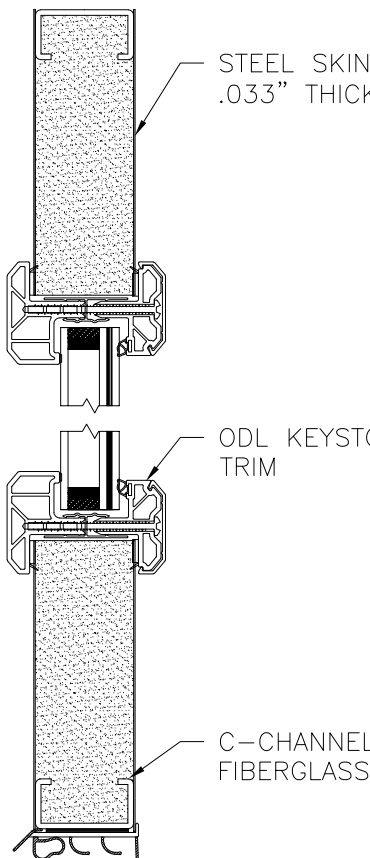
PANEL OPTION 15



PANEL OPTION 16



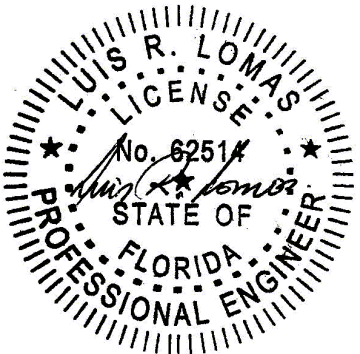
PANEL OPTION 17



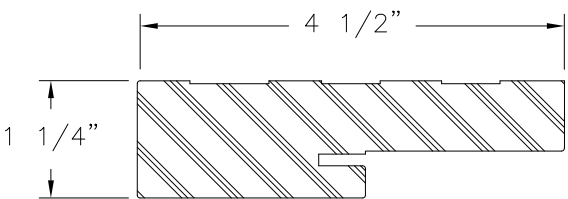
PANEL OPTION 18

PROVIA, LLC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
STEEL INSWING GLAZED SINGLE DOOR W/TRANSOM - IMPACT APPROVED SLABS		
DRAWN: J.L.	DWG NO. 08-01942	REV J
SCALE NTS	DATE 04/22/13	SHEET 12 OF 13
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@lrlomaspe.com		

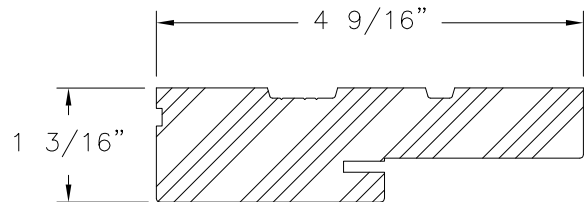
SIGNED: 08/27/2024



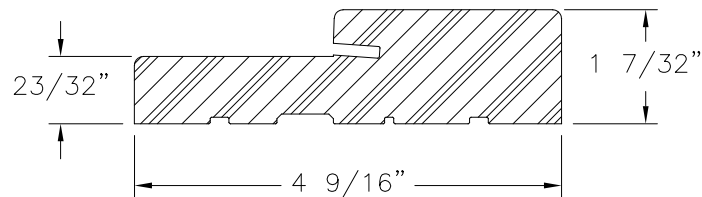
Luis R. Lomas P.E.
FL No.: 62514



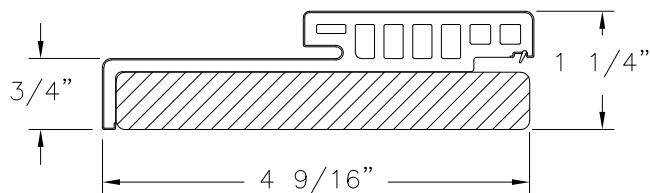
COMPOSITE FRAME PROFILE



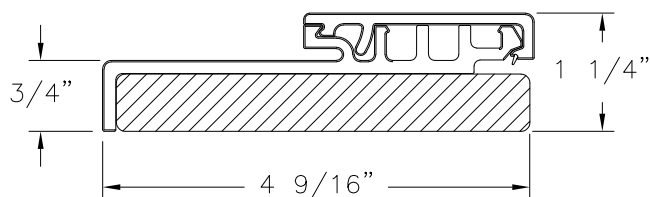
WOOD FRAME PROFILE



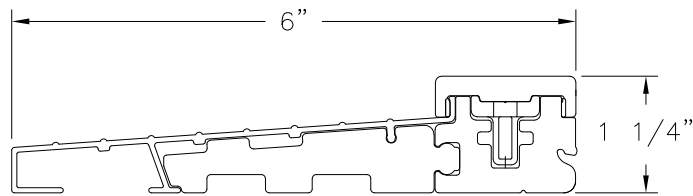
FRAMESAVER
COMPOSITE



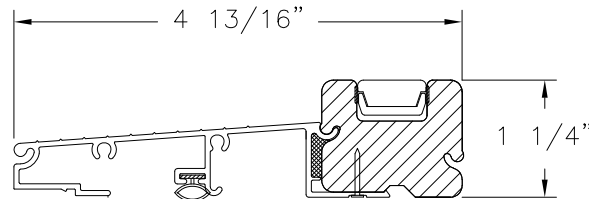
HYBRID HEAD
WOOD/COMPOSITE



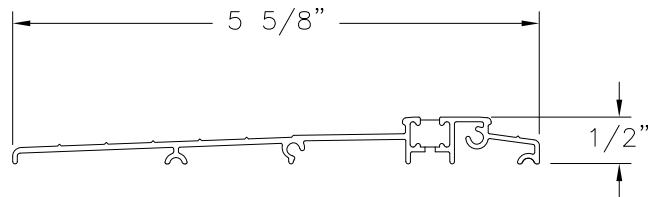
HYBRID JAMB
WOOD/COMPOSITE



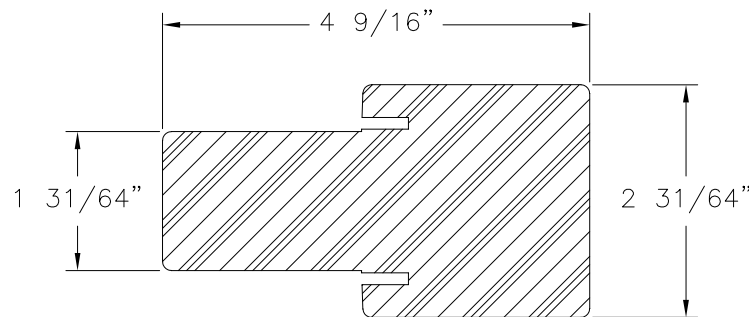
STANDARD INSWING THRESHOLD



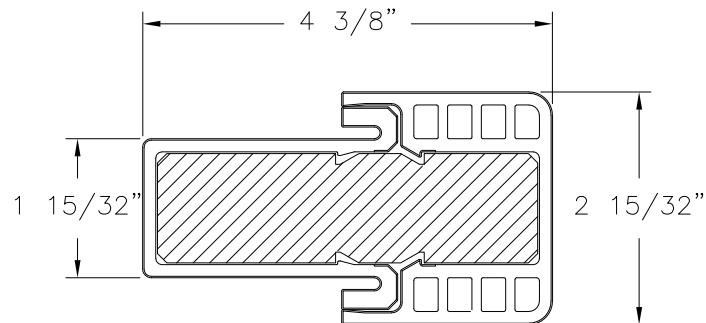
SAHARA INSWING THRESHOLD



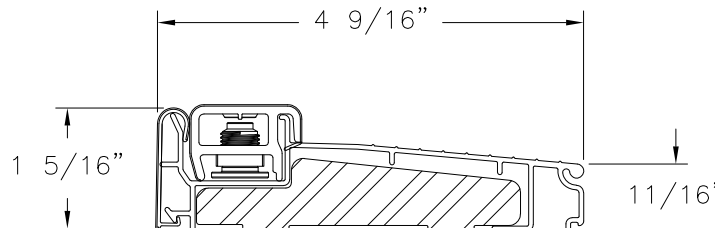
ADA THRESHOLD



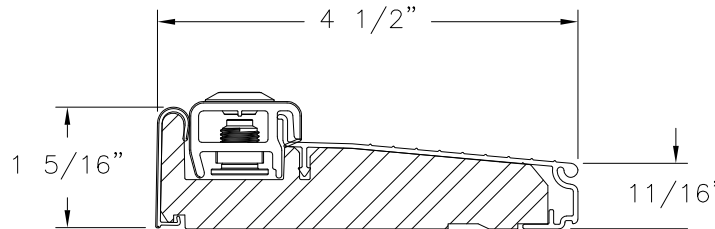
FAT BOY MULLION
COMPOSITE



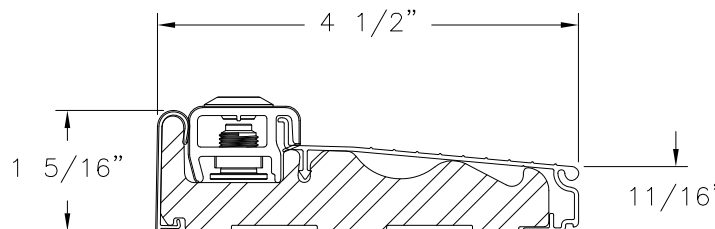
HYBRID FAT BOY MULLION
COMPOSITE



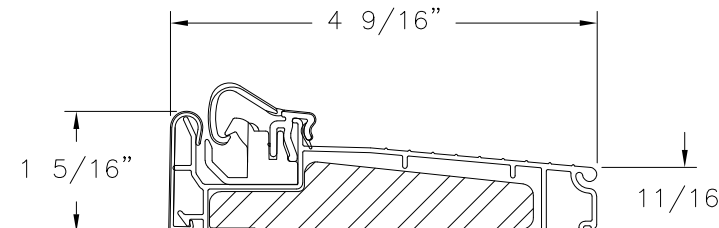
INSWING SILL ZAIL4565



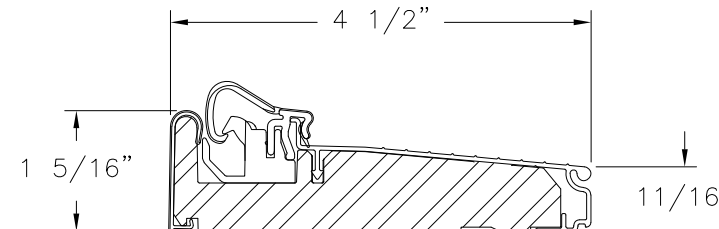
INSWING SILL ZAI4565F



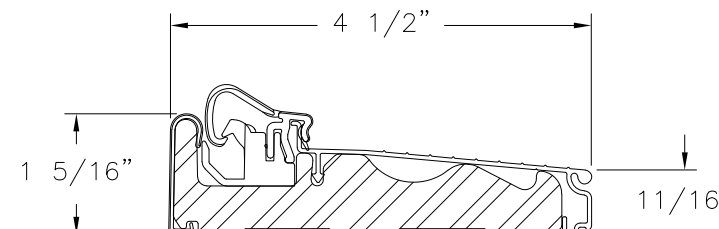
INSWING SILL ZAILH4565



INSWING SILL ZACL4565



INSWING SILL ZAC4565F

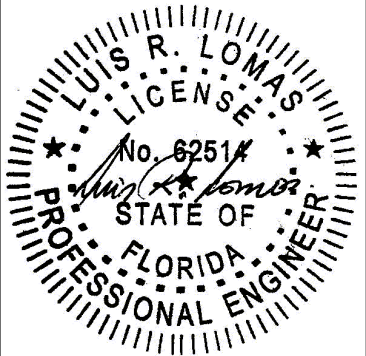


INSWING SILL ZACLH4565

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
J	REVISE TO ADD ODL KEYSTONE TRIM	08/20/2024	R.L.

SIGNED: 08/27/2024

PROVIA, LLC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
STEEL INSWING GLAZED SINGLE DOOR W/TRANSOM - IMPACT COMPONENTS		
DRAWN: J.L.	DWG NO. 08-01942	REV J
SCALE NTS	DATE 04/22/13	SHEET 13 OF 13
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@lrlomaspe.com		



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