

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
H	REVISE HARDWARE SCHEDULE	11/07/2023	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, OR FUSION FRAME.
DOOR SKIN MATERIAL: STEEL .033” THICK (MINIMUM) AND FIBERGLASS .085” THICK(MINIMUM).
7. TRANSOM MUST BE GLAZED PER ASTM E1300, WITH SAFETY GLAZING.
8. APPROVED IMPACT PROTECTIVE SYSTEM IS REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.
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 1/4” 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 – 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

SIGNED: 11/27/2023

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

STEEL/FIBERGLASS INSWING OPAQUE SINGLE DOOR
W/TRANSOM NON-IMPACT
NOTES

DRAWN:
N.G.

DWG NO.
08-02083

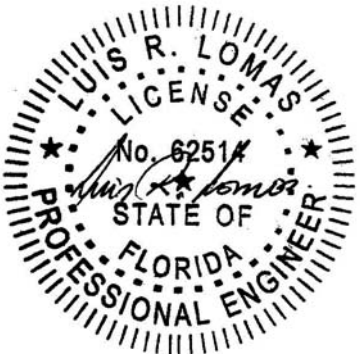
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DATE 06/20/13

SHEET 1 OF 11

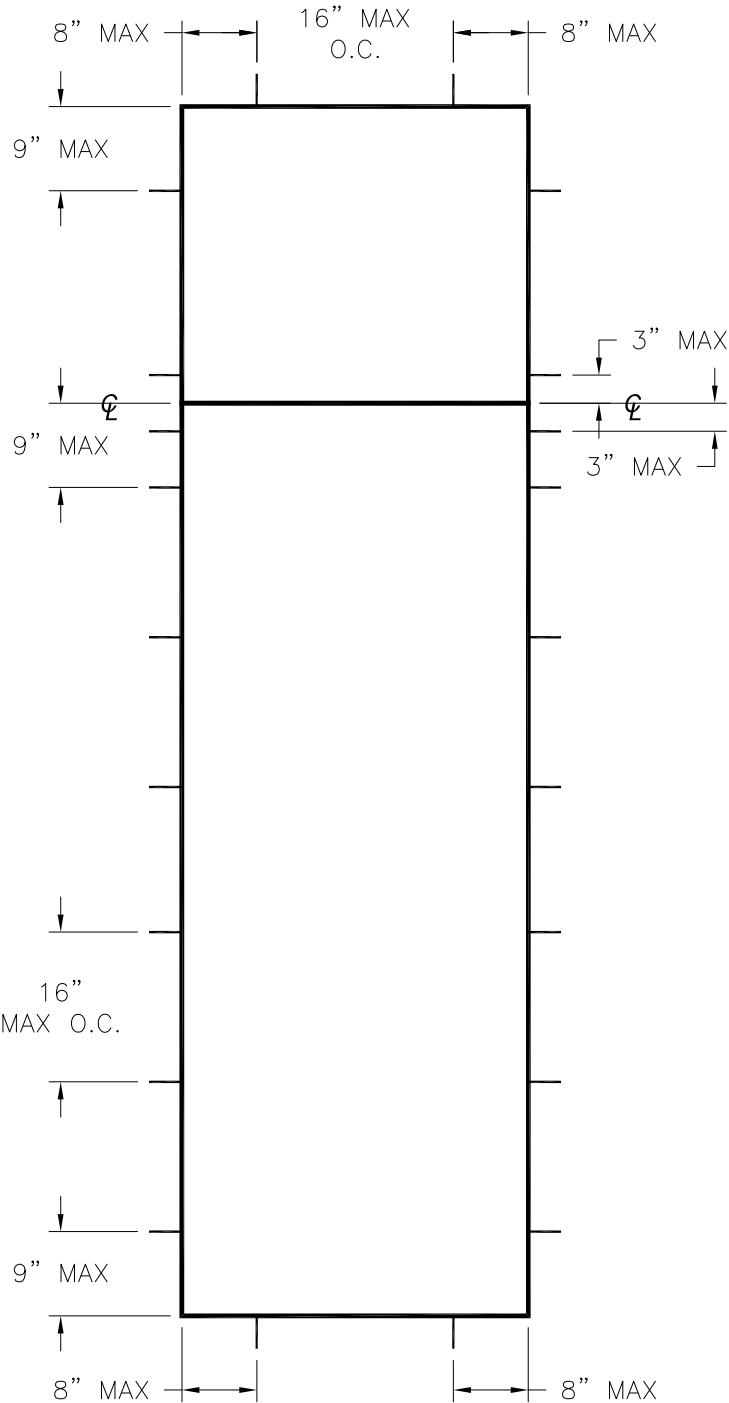
L. ROBERTO LOMAS P.E.
208 7th Ave, INDIALANTIC, FL 32903
434-688-0609 rllomas@lrlomaspe.com



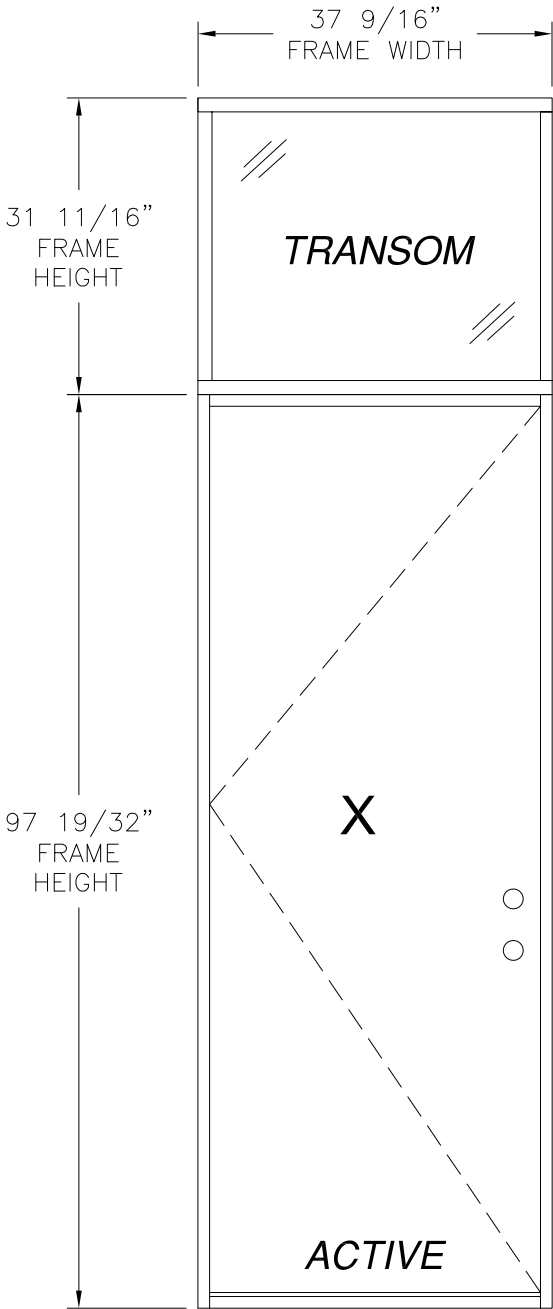
Luis R. Lomas P.E.
FL No.: 62514

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)

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ANCHORING LAYOUT



SINGLE DOOR W/ TRANSOM
EXTERIOR VIEW

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

- D.L.O. NOTES:
- 1. TRANSOM D.L.O. WIDTH: 34 9/16"
 - 2. TRANSOM D.L.O. HEIGHT: 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	

WITH PANOLOCK MULTI-POINT	
DESIGN PRESSURE RATING	IMPACT RATING
±50.0PSF	NONE
THIS SYSTEM WAS NOT TESTED FOR WATER INFILTRATION AND IS TO BE INSTALLED ONLY WHERE WATER RESISTANCE IS NOT REQUIRED	

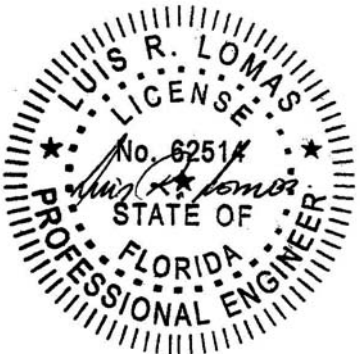
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STEEL/FIBERGLASS INSWING OPAQUE SINGLE DOOR
W/TRANSOM NON-IMPACT
ELEVATION AND ANCHORING LAYOUT

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SCALE NTS	DATE 06/20/13	SHEET 2 OF 11

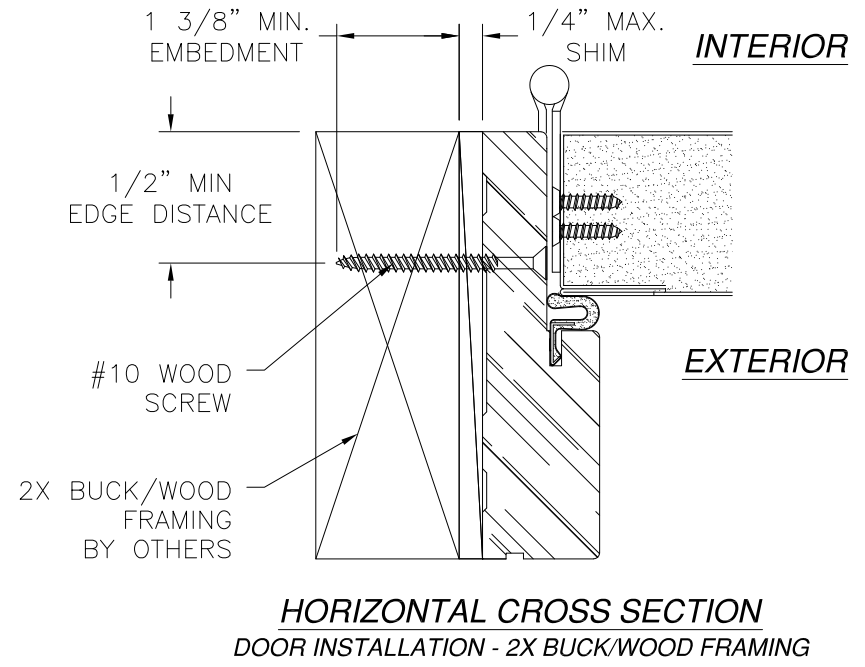
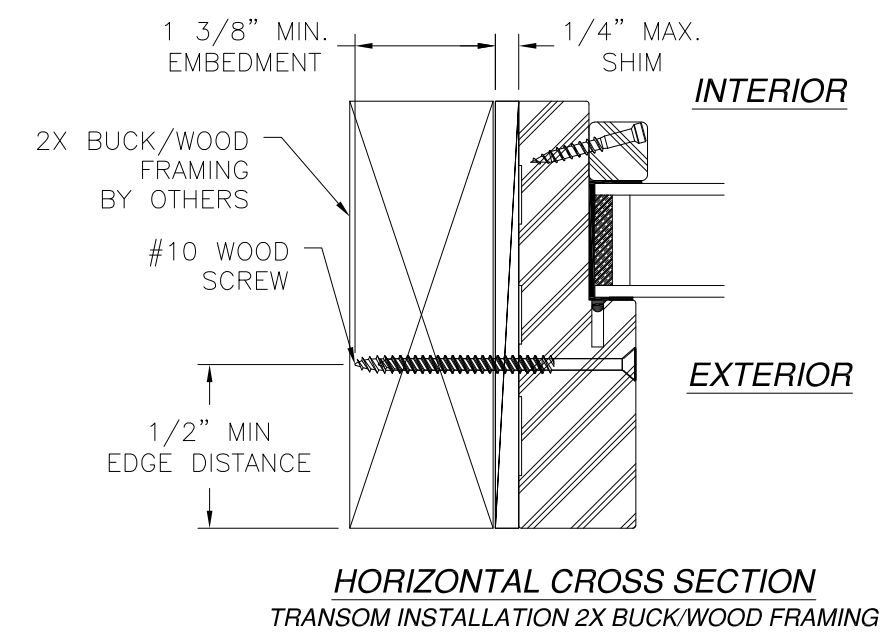
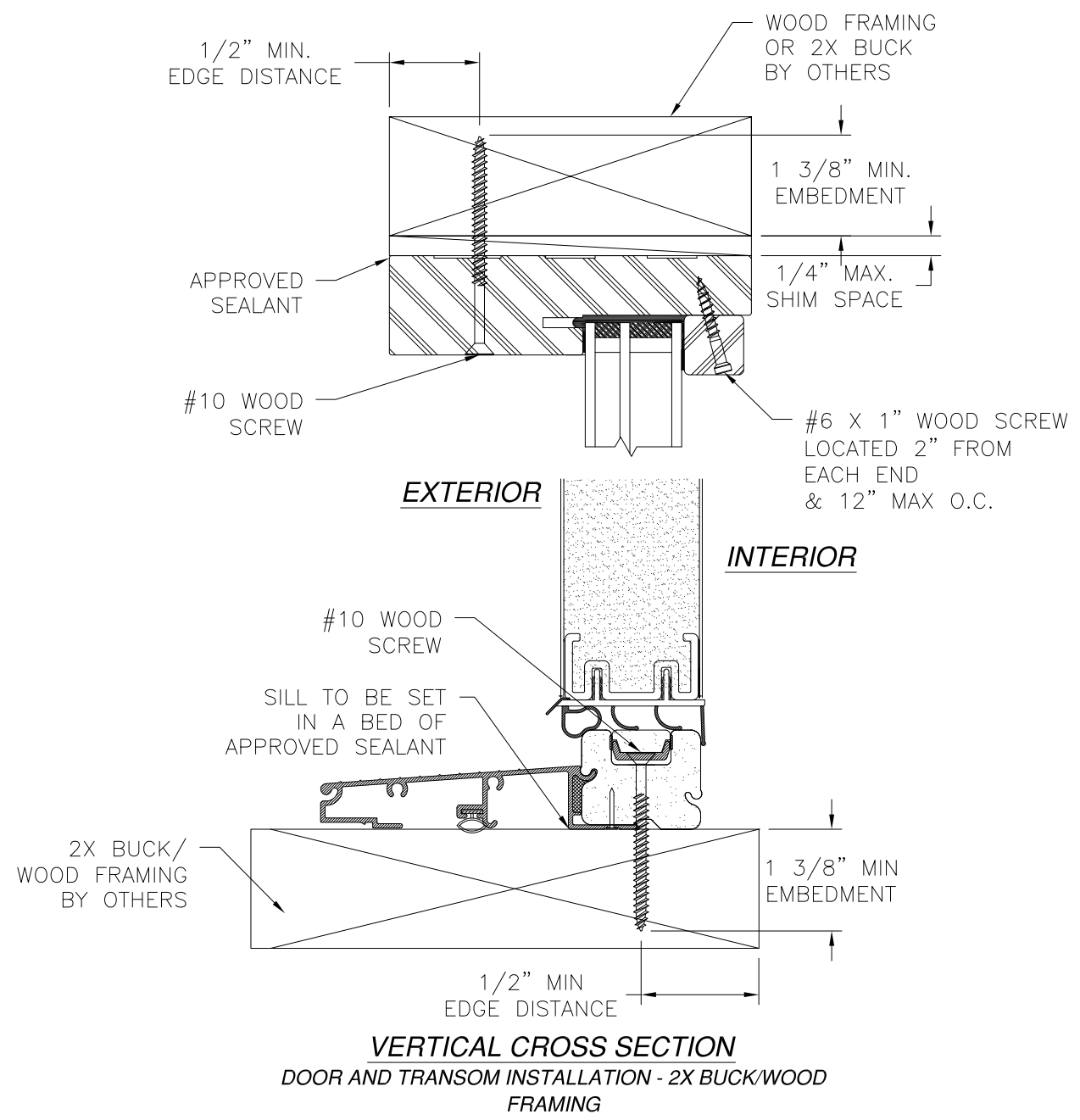
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- NOTES:
1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
 2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112

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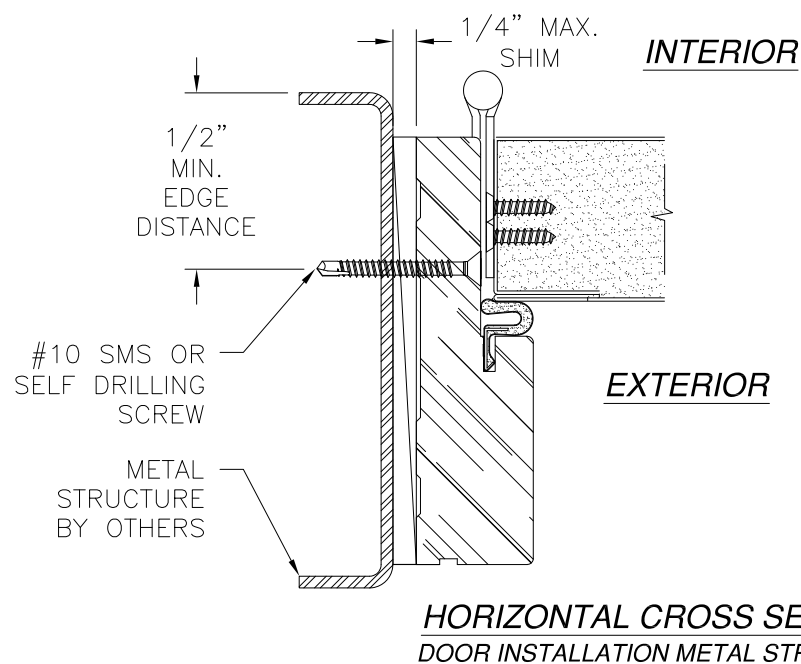
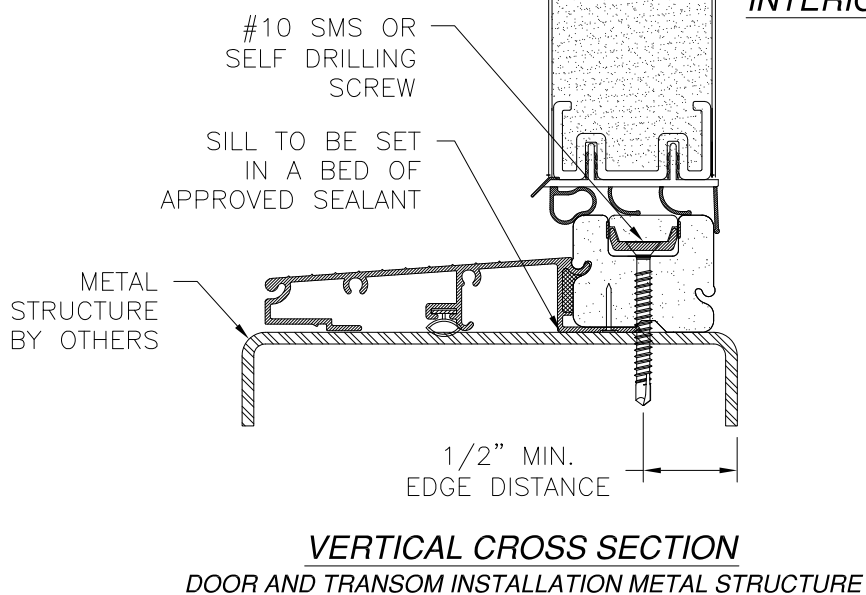
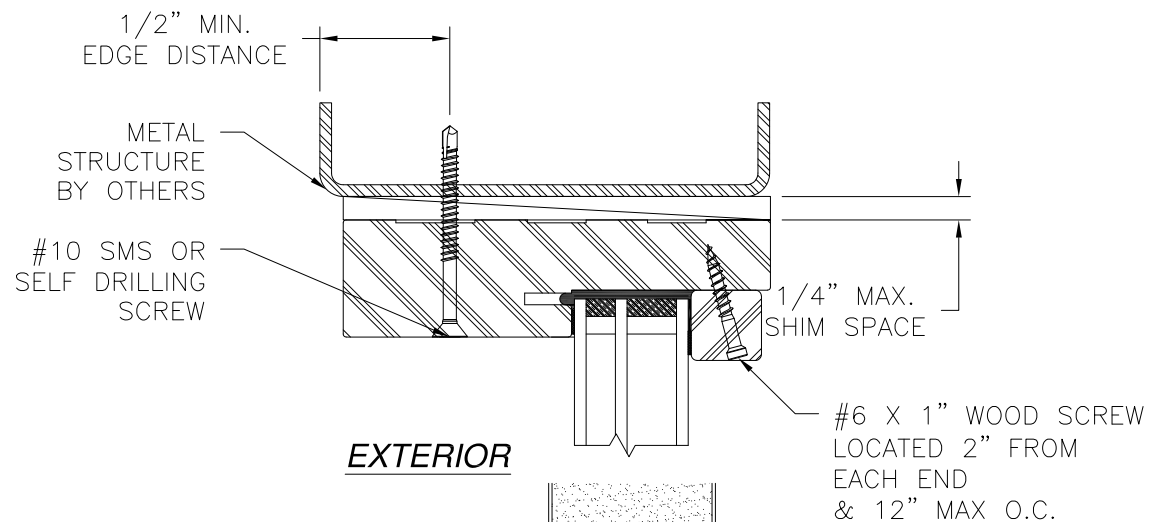
STEEL/FIBERGLASS INSWING OPAQUE SINGLE DOOR
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INSTALLATION DETAILS

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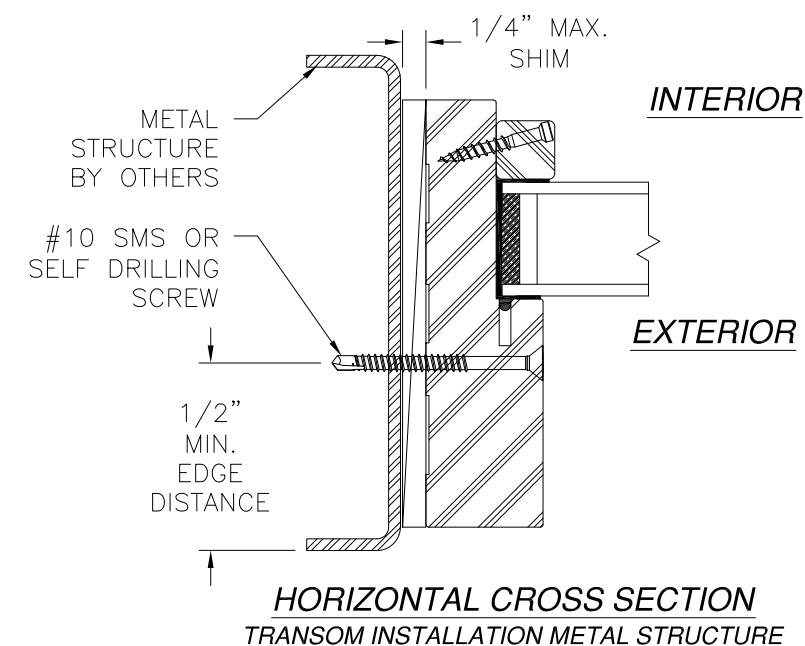
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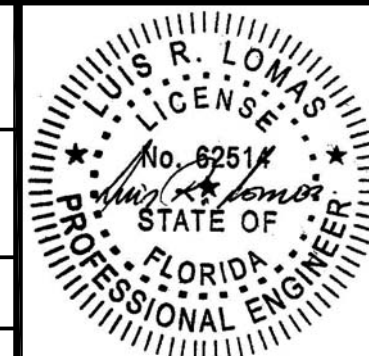


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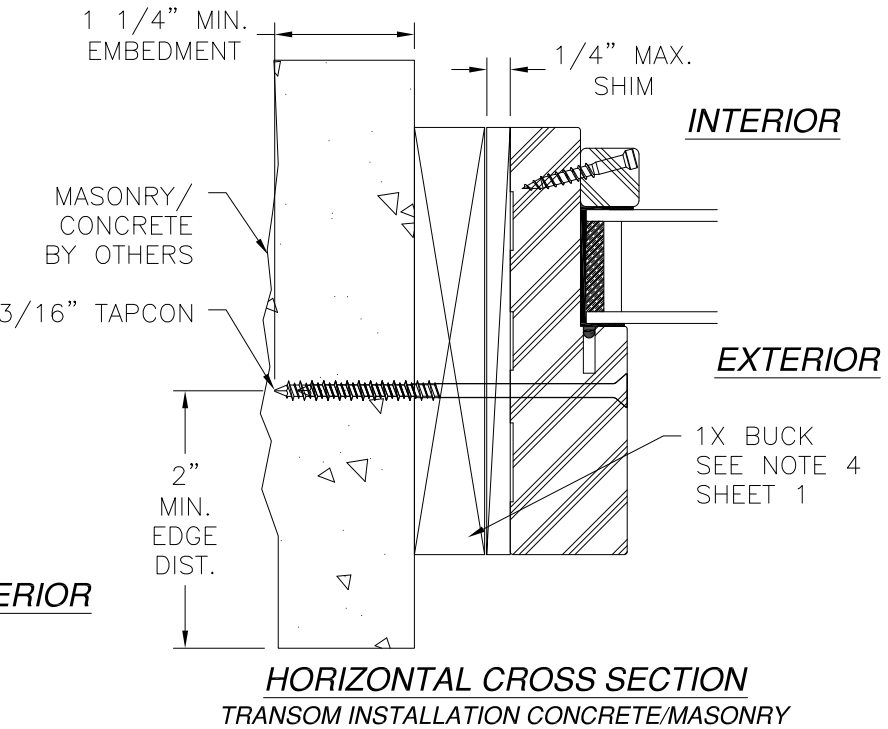
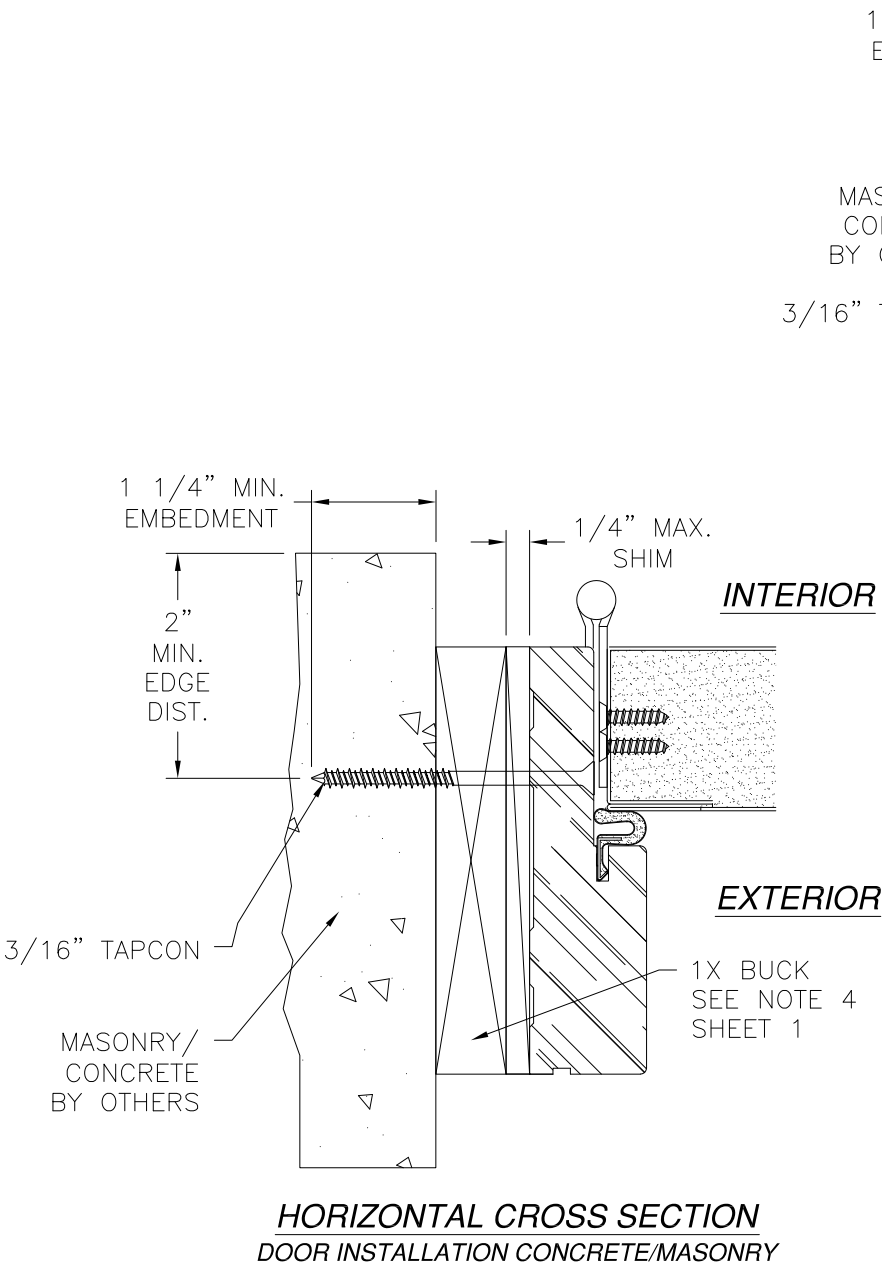
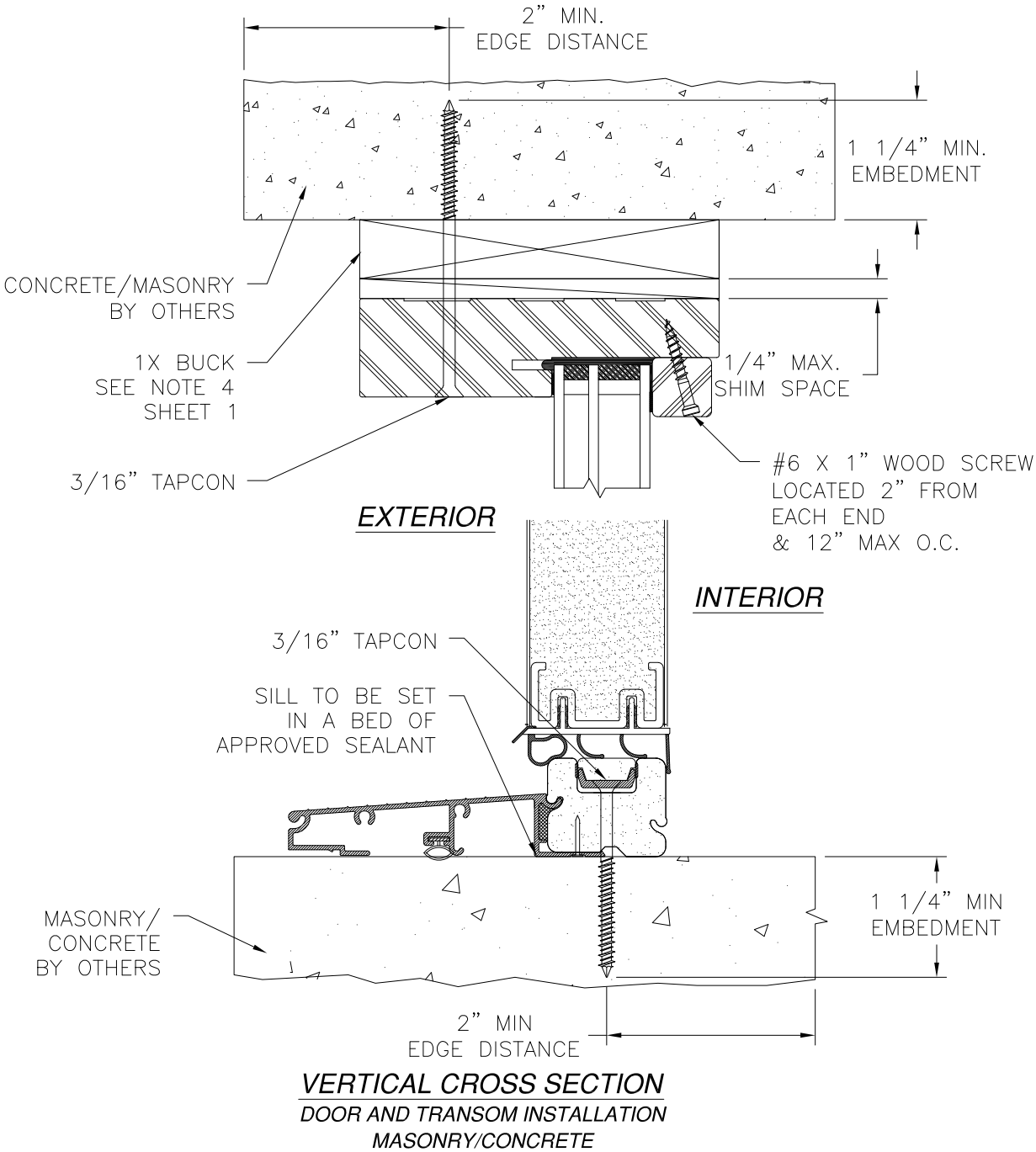
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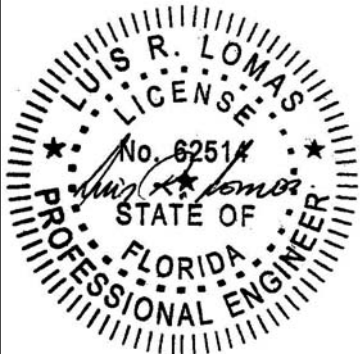
SHEET 5 OF 11

L. ROBERTO LOMAS P.E.

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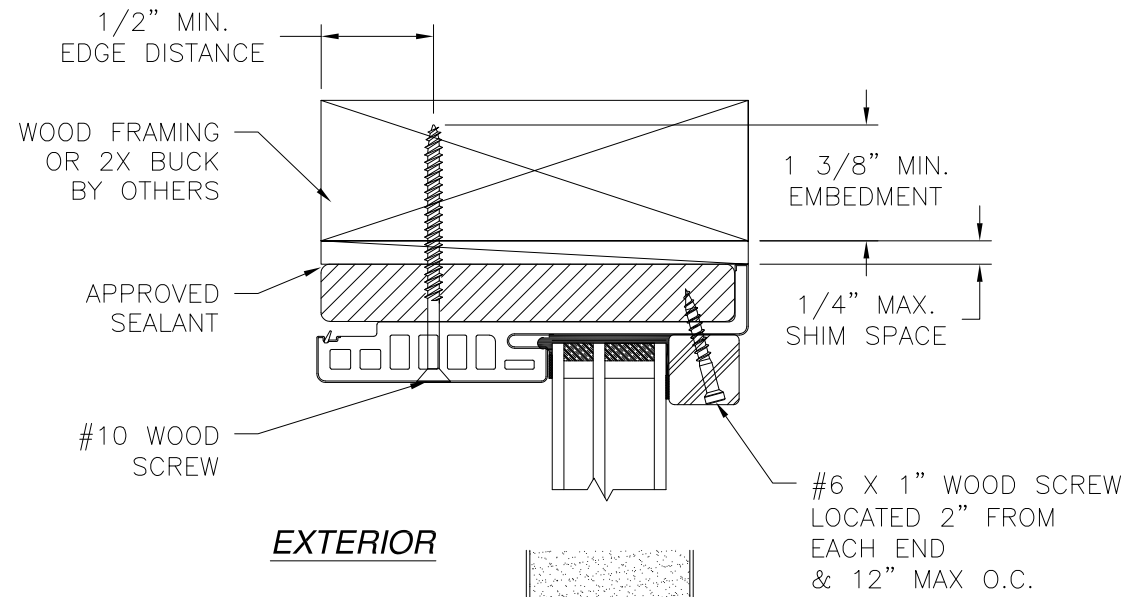
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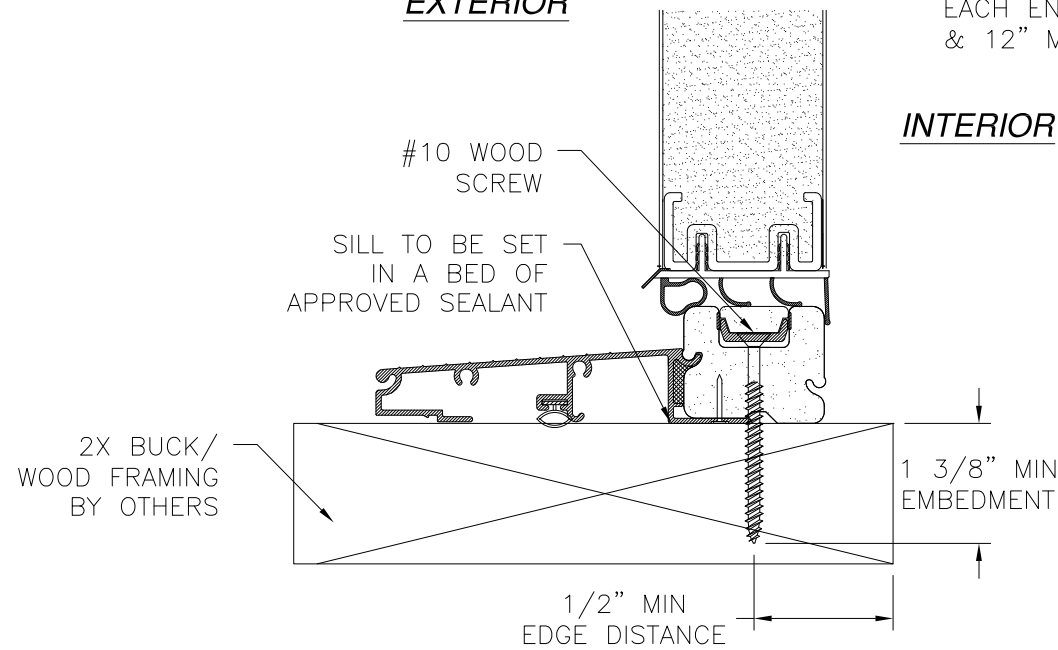
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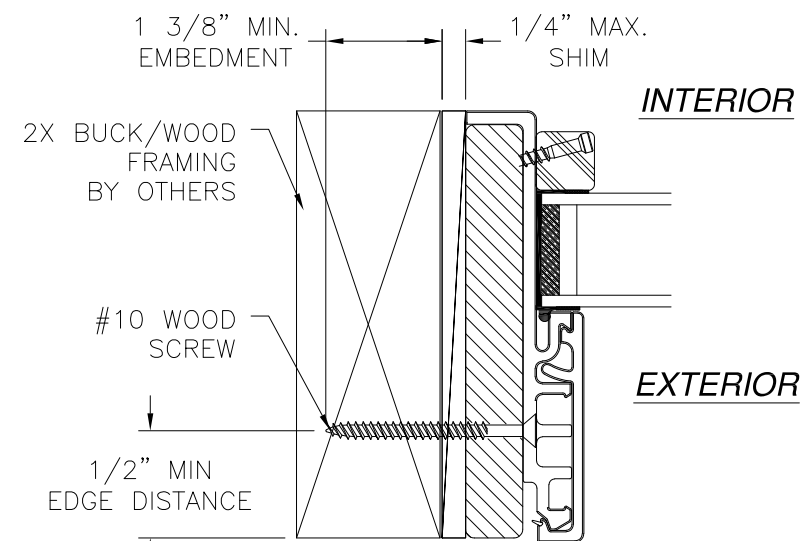
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INTERIOR



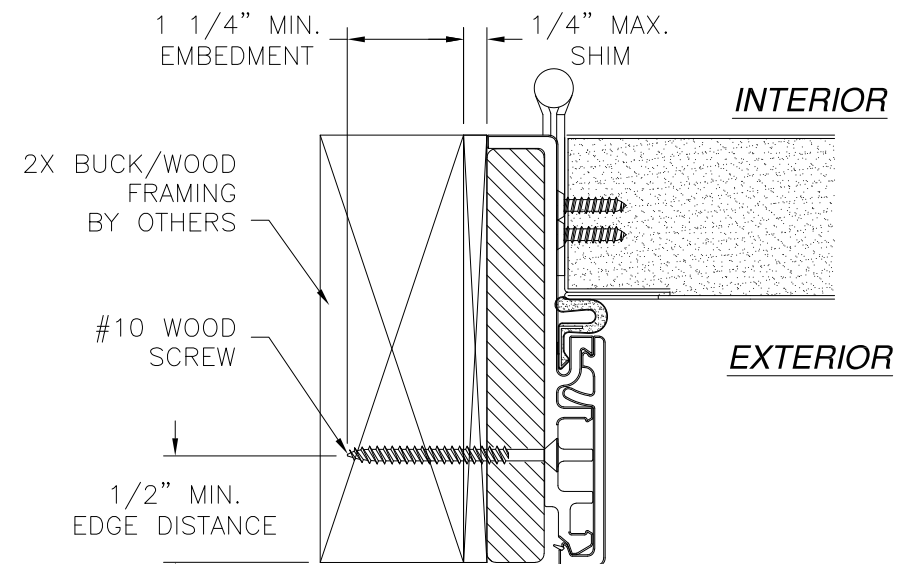
VERTICAL CROSS SECTION

DOOR AND TRANSOM INSTALLATION - 2X BUCK/WOOD FRAMING



HORIZONTAL CROSS SECTION

TRANSOM INSTALLATION 2X BUCK/WOOD FRAMING



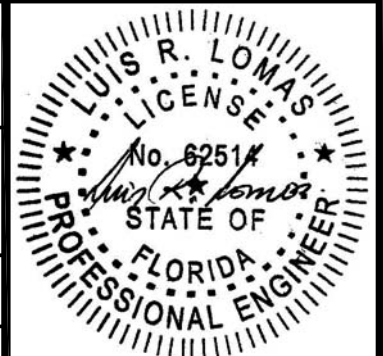
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DOOR INSTALLATION - 2X BUCK/WOOD FRAMING

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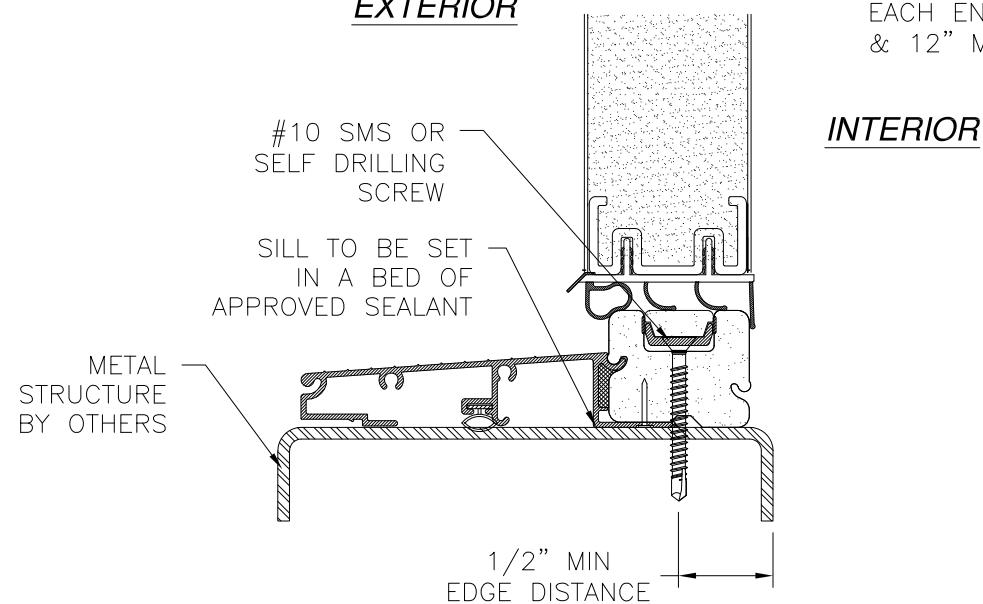
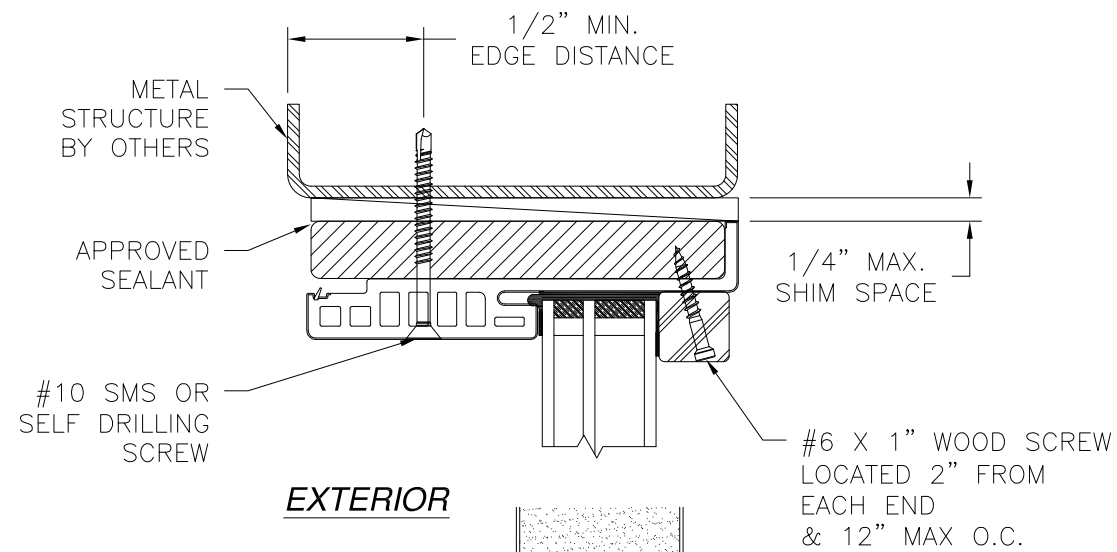
PROVIA, LLC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
STEEL/FIBERGLASS INSWING OPAQUE SINGLE DOOR W/TRANSOM NON-IMPACT INSTALLATION DETAILS W/FUSION FRAME		
DRAWN: N.G.	DWG NO. 08-02083	REV H
SCALE NTS	DATE 06/20/13	SHEET 6 OF 11
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

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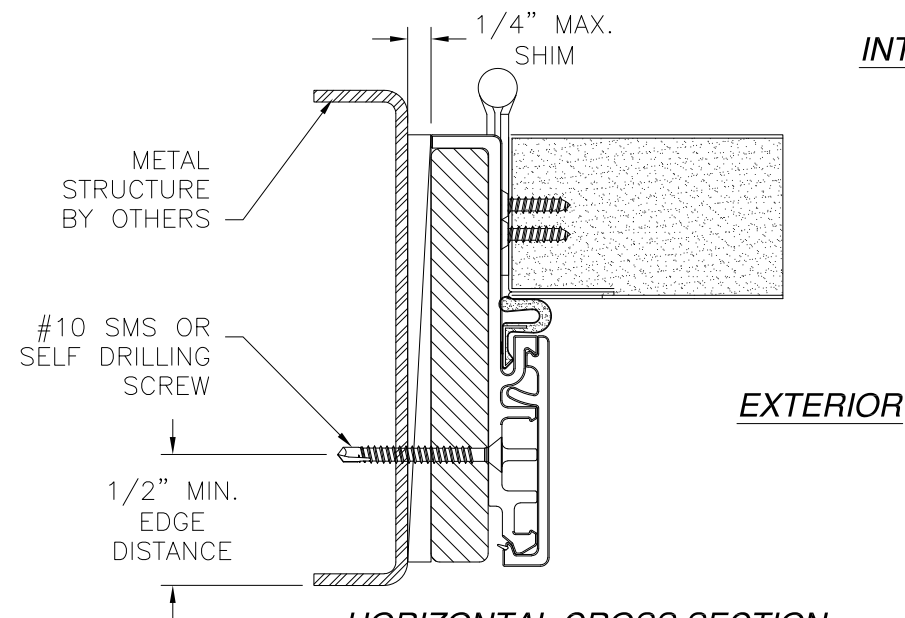


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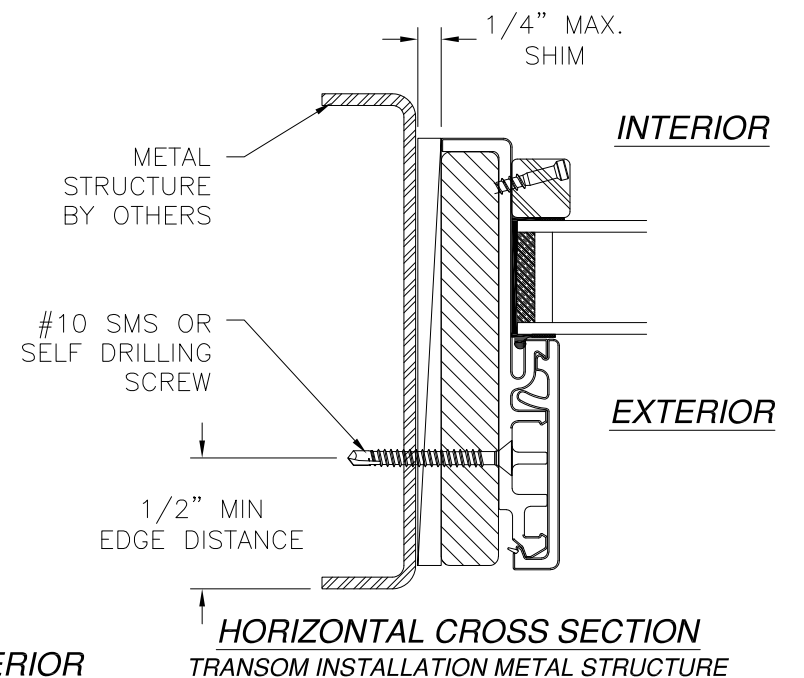
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H	REVISE HARDWARE SCHEDULE	11/07/2023	R.L.



VERTICAL CROSS SECTION
DOOR AND TRANSOM INSTALLATION - METAL STRUCTURE



HORIZONTAL CROSS SECTION
DOOR INSTALLATION - METAL STRUCTURE

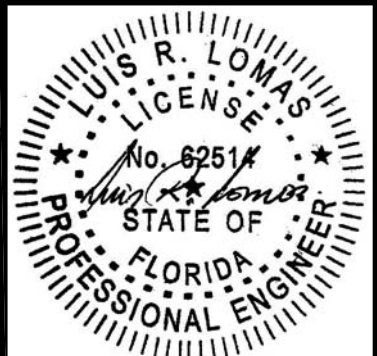


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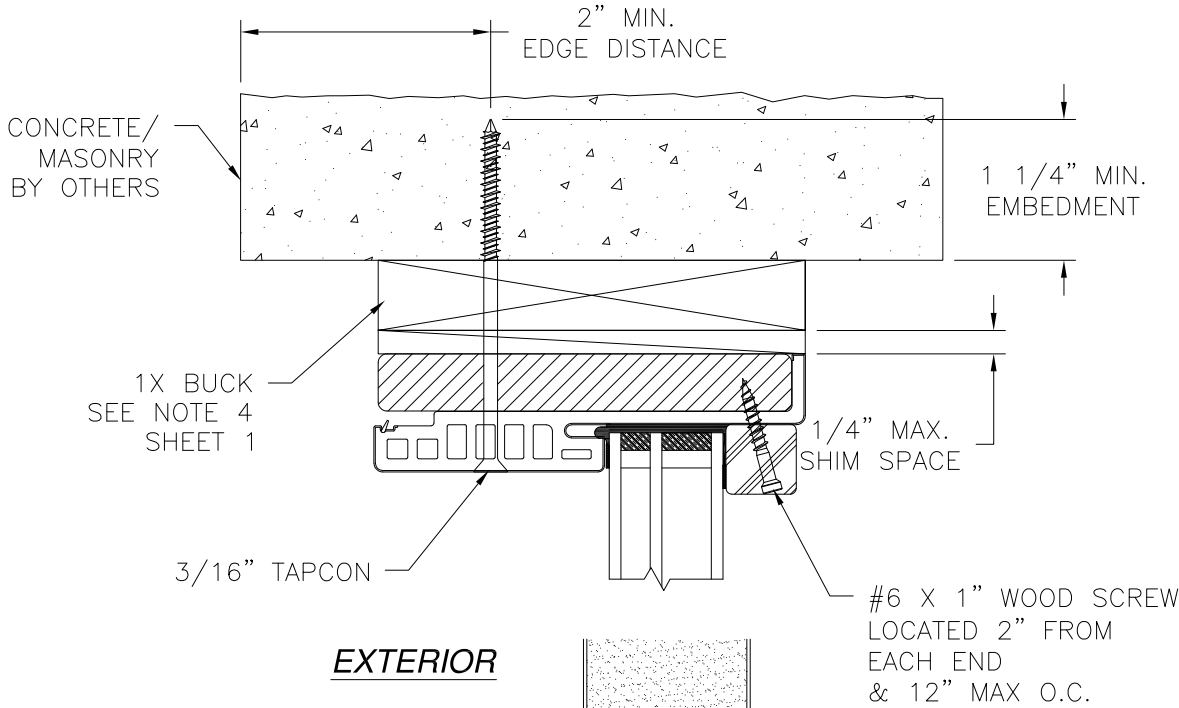
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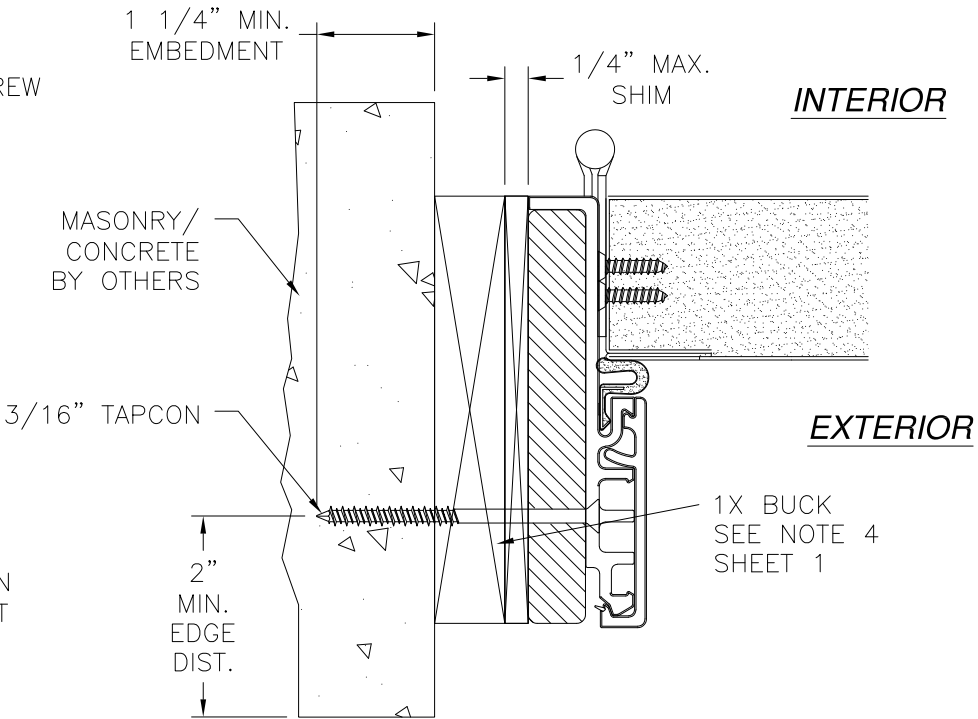


EXTERIOR

INTERIOR

VERTICAL CROSS SECTION

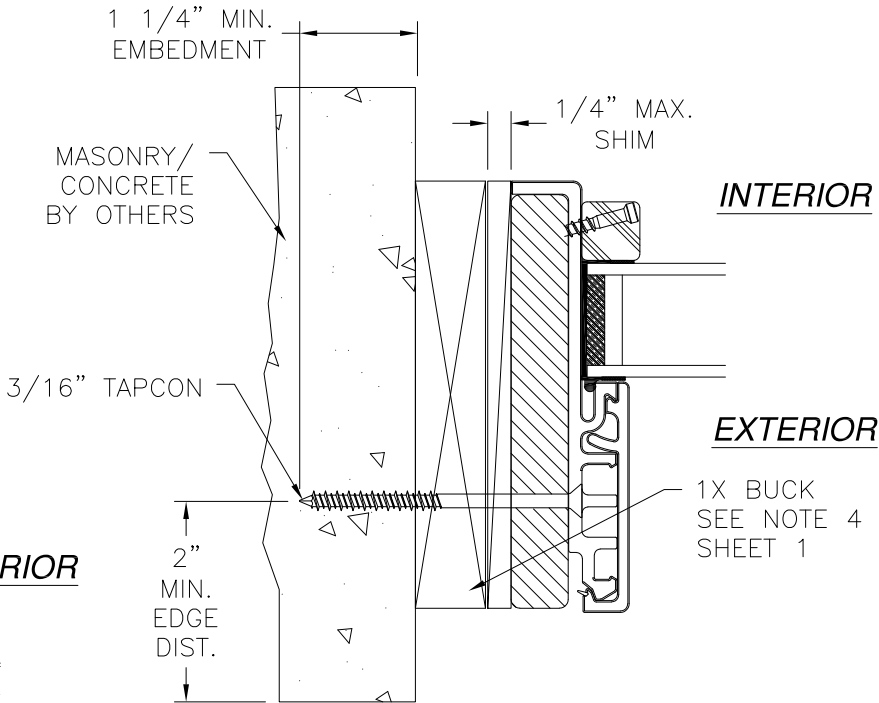
DOOR AND TRANSOM INSTALLATION MASONRY/CONCRETE



INTERIOR

EXTERIOR

HORIZONTAL CROSS SECTION
DOOR INSTALLATION CONCRETE/MASONRY



INTERIOR

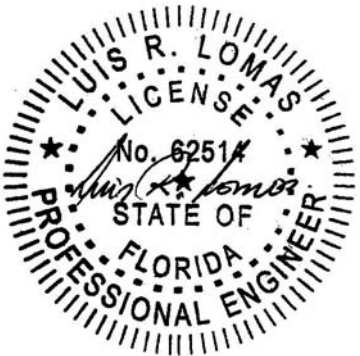
EXTERIOR

HORIZONTAL CROSS SECTION
TRANSOM INSTALLATION CONCRETE/MASONRY

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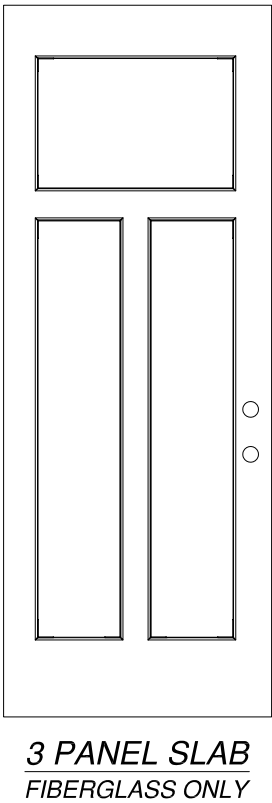
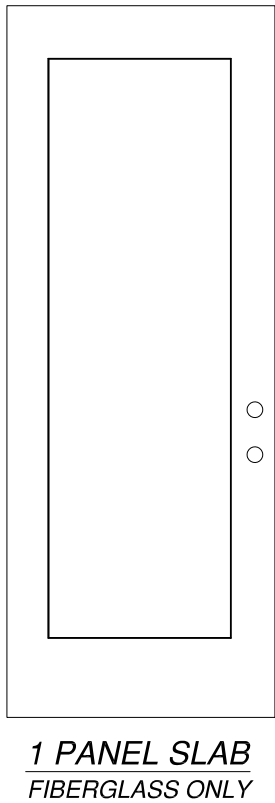
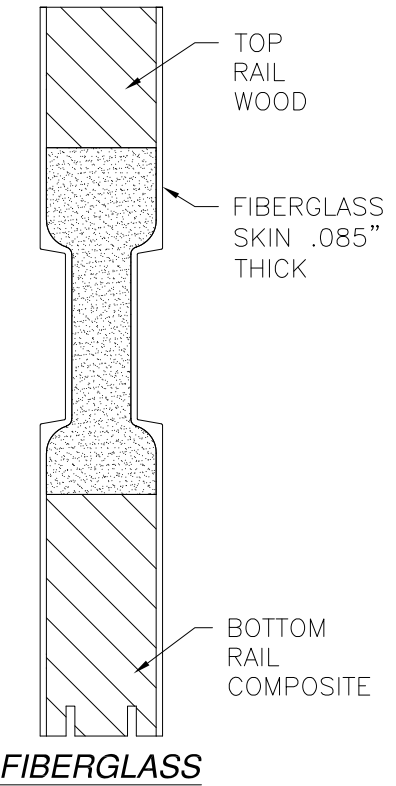
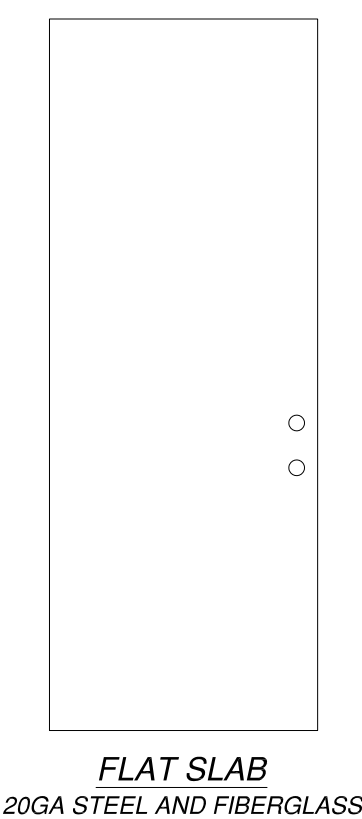
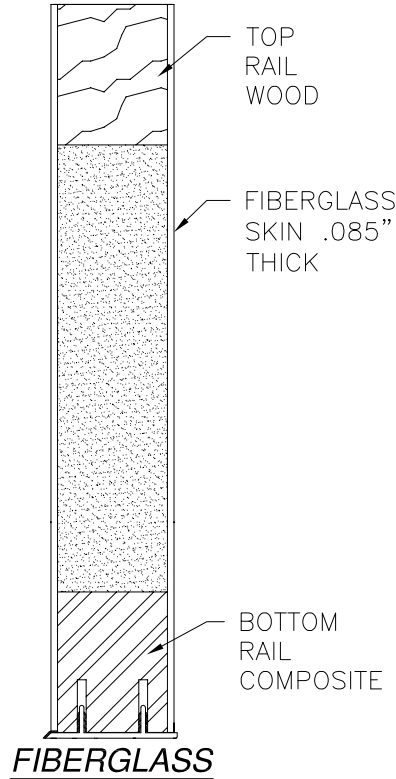
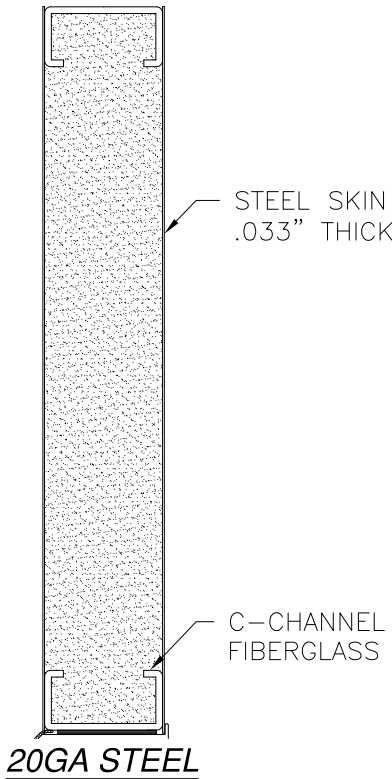
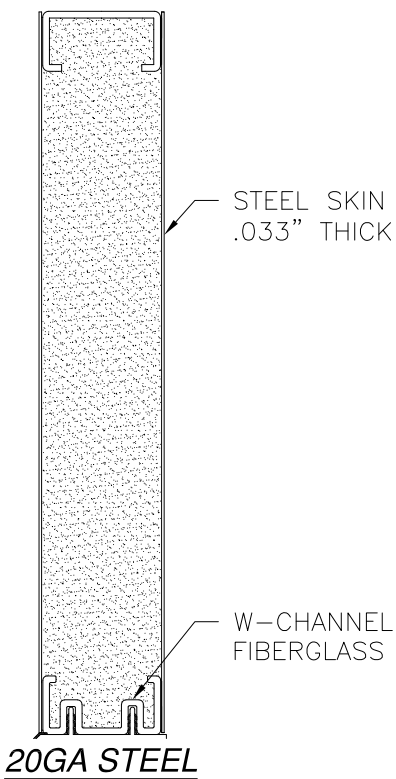
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APPROVED DOOR SLABS AND CROSS SECTIONS

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W/TRANSOM NON-IMPACT
COMPONENTS

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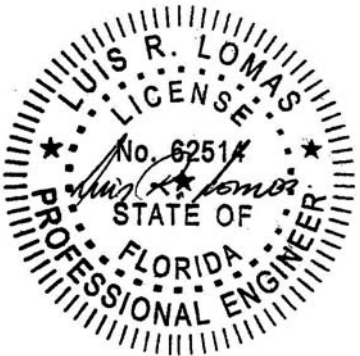
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DATE 06/20/13

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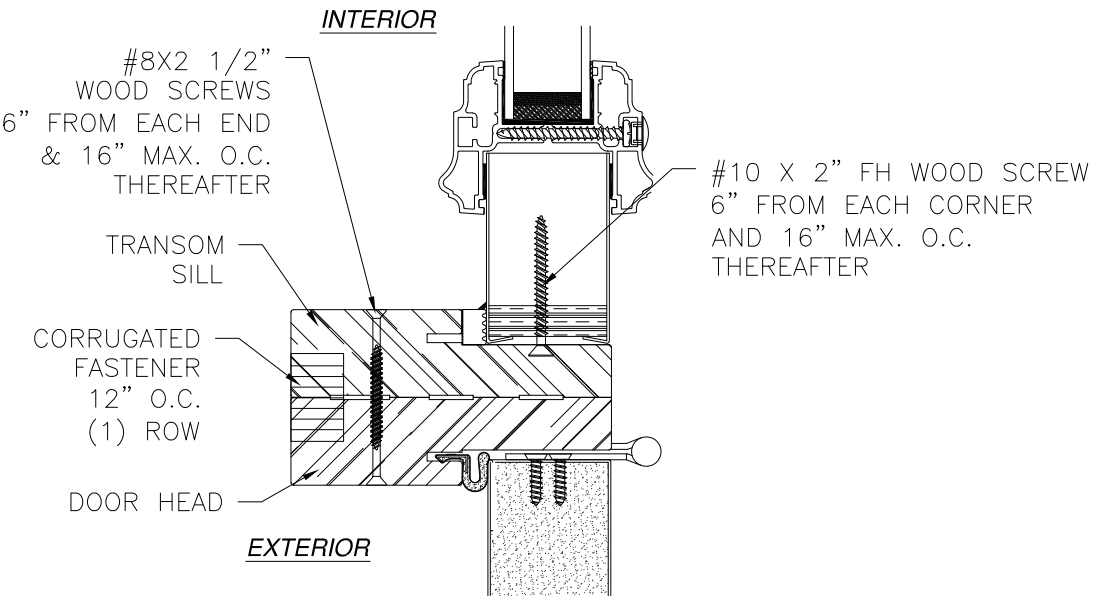
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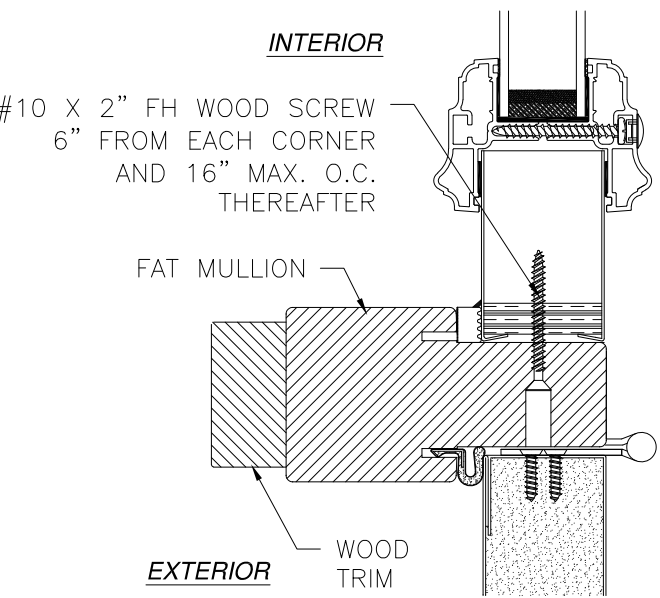


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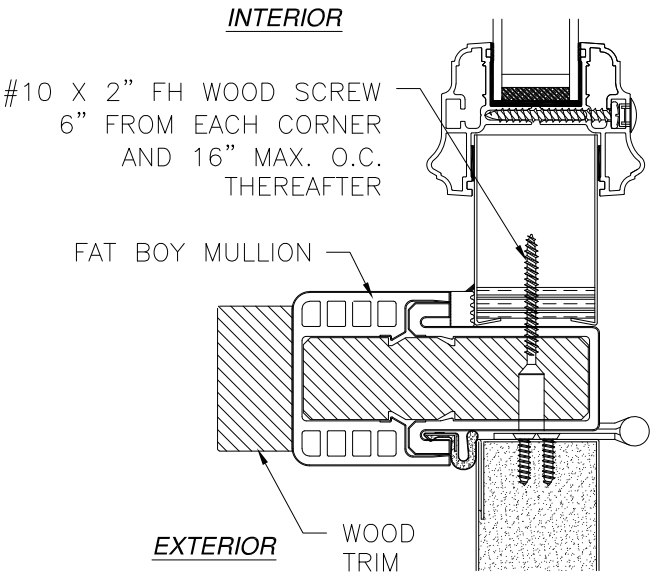
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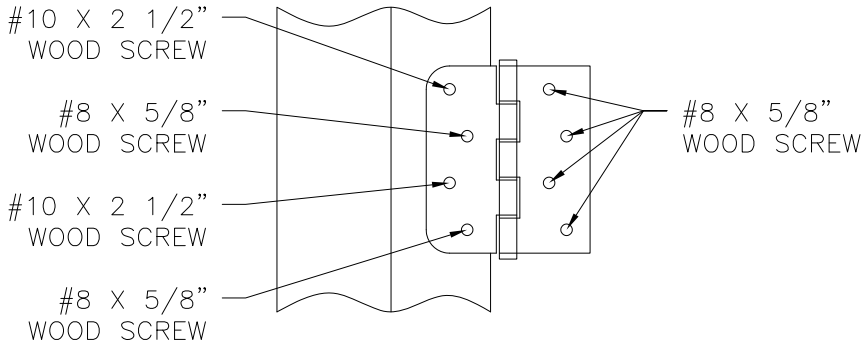
HORIZONTAL MULLION DETAIL
STANDARD FRAME SHOWN,
COMPOSITE AND FUSION FRAME SIMILAR



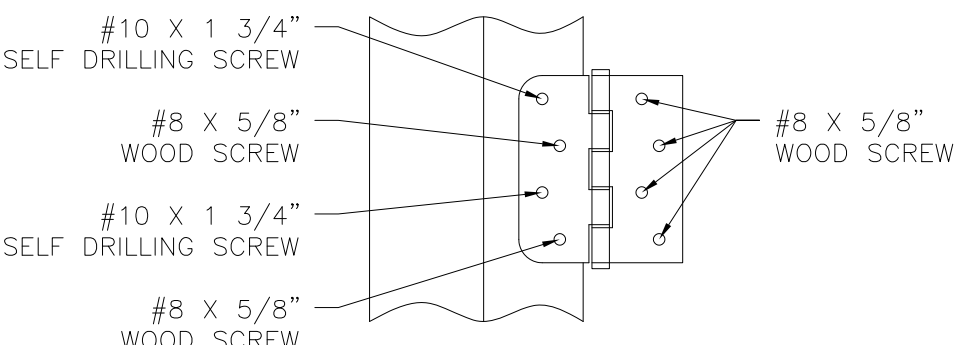
MULLION DETAIL
WITH FAT BOY MULLION



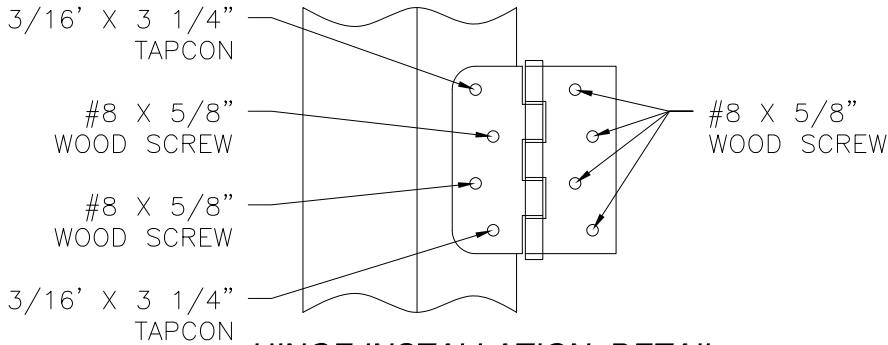
MULLION DETAIL
WITH HYBRID FAT BOY MULLION



HINGE INSTALLATION DETAIL
2X BUCK/WOOD FRAMING



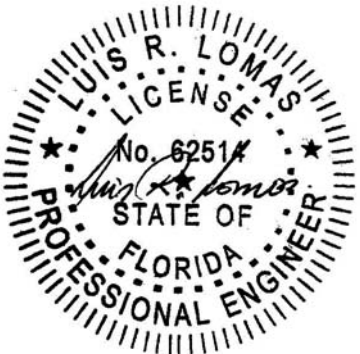
HINGE INSTALLATION DETAIL
METAL STRUCTURE



HINGE INSTALLATION DETAIL
MASONRY/CONCRETE

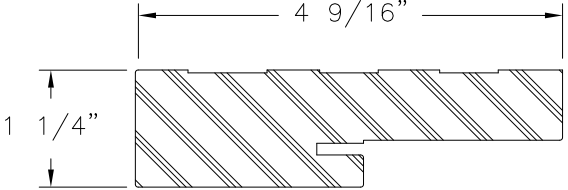
PROVIA, LLC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
STEEL/FIBERGLASS INSWING OPAQUE SINGLE DOOR W/TRANSOM NON-IMPACT MULLION DETAILS		
DRAWN: N.G.	DWG NO. 08-02083	REV H
SCALE NTS	DATE 06/20/13	SHEET 10 OF 11
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

SIGNED: 11/27/2023

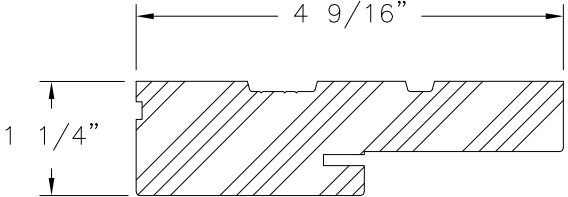


Luis R. Lomas P.E.
FL No.: 62514

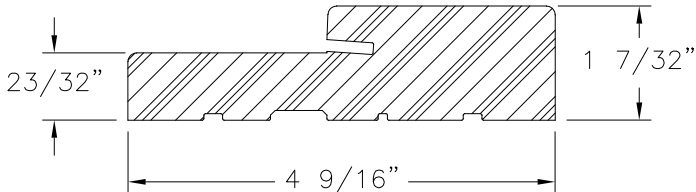
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
H	REVISE HARDWARE SCHEDULE	11/07/2023	R.L.



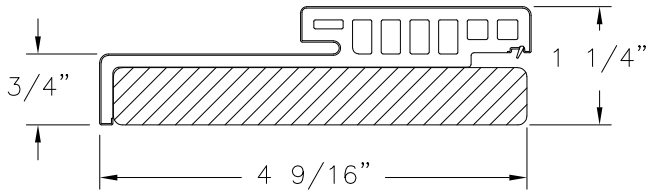
COMPOSITE FRAME PROFILE



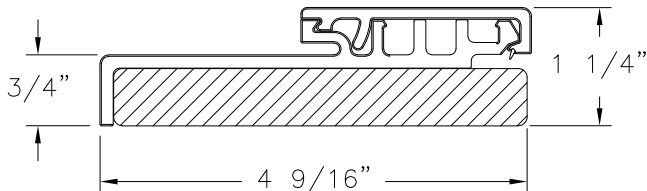
WOOD FRAME PROFILE



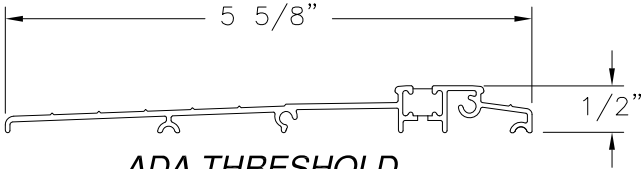
FRAMESAVER
COMPOSITE



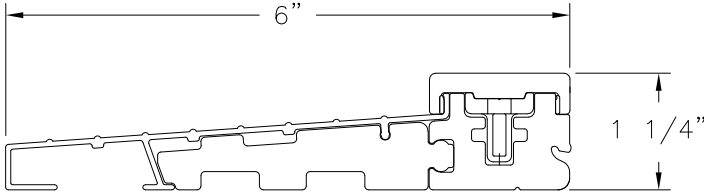
HYBRID HEAD
WOOD/COMPOSITE



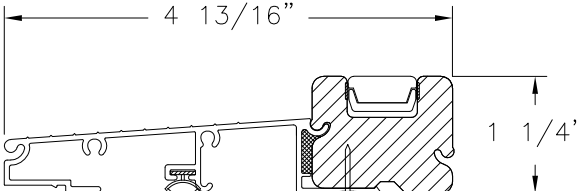
HYBRID JAMB
WOOD/COMPOSITE



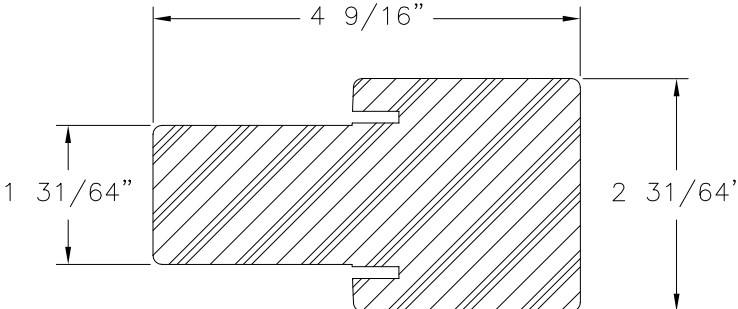
ADA THRESHOLD



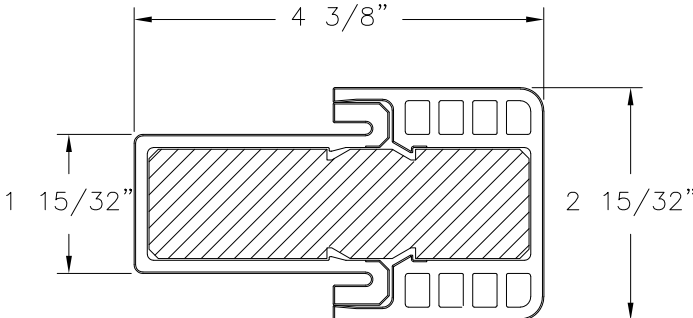
STANDARD INSWING THRESHOLD



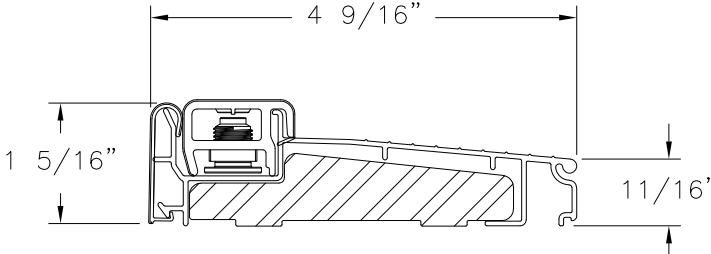
SAHARA INSWING THRESHOLD



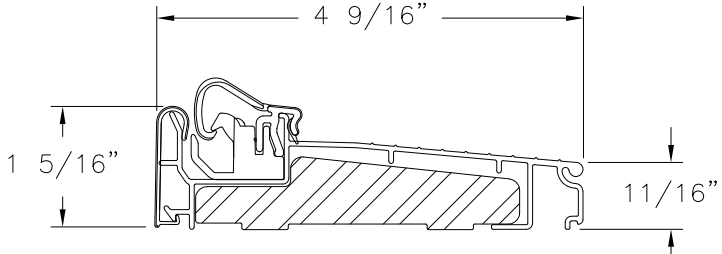
FAT BOY MULLION
COMPOSITE



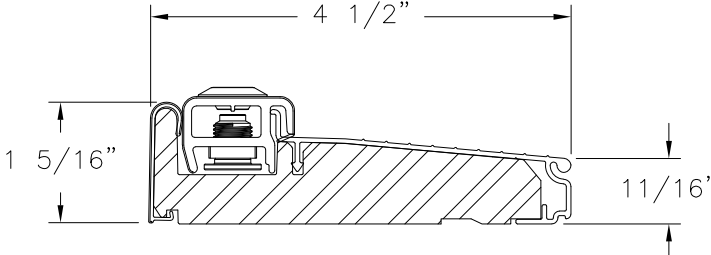
HYBRID FAT BOY MULLION
COMPOSITE



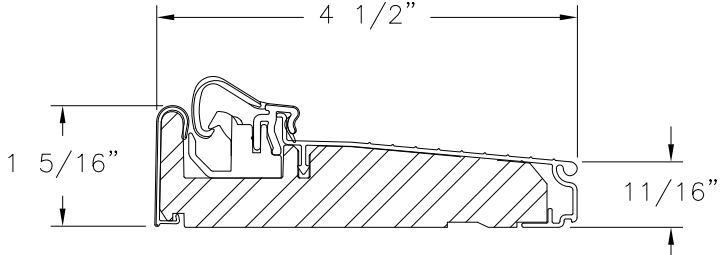
INSWING SILL ZAIL4565



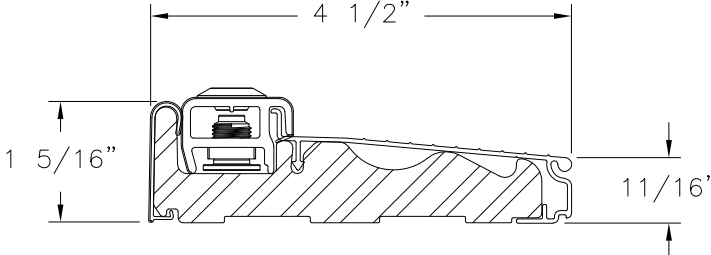
INSWING SILL ZACL4565



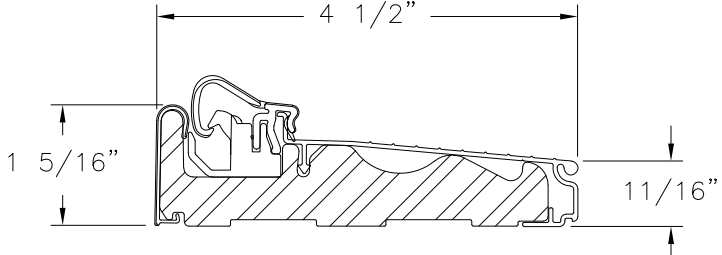
INSWING SILL ZAI4565F



INSWING SILL ZAC4565F



INSWING SILL ZAILH4565



INSWING SILL ZACLH4565

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