

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
I	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, OR FUSION FRAME.
DOOR SKIN MATERIAL: STEEL .033” THICK (MINIMUM)
SIDELITE SKIN MATERIAL: STEEL .022” THICK (MINIMUM)
7. UNITS MUST BE GLAZED PER ASTM E1300, SEE SHEET 10 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
15. DOOR CONSTRUCTION MAYBE CONTINUOUS HEAD FRAME AND CONTINUOUS THRESHOLD OR BOX CONSTRUCTION.

TABLE OF CONTENTS	
SHEET NO.	DESCRIPTION
1	NOTES
2	ELEVATION AND APPROVED CONFIGURATIONS
3	ANCHORING LAYOUTS
4 – 9	INSTALLATION DETAILS
10	GLAZING DETAILS
11 – 14	MULLION DETAILS, APPROVED SLABS AND COMPONENTS

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

STEEL INSWING GLAZED SINGLE DOOR
W/SIDELITES – IMPACT
NOTES

DRAWN:
A.P.

DWG NO.
08-01937

REV
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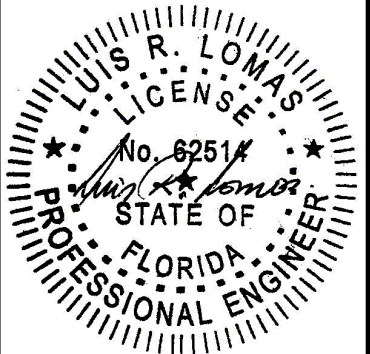
SCALE NTS

DATE 03/20/13

SHEET 1 OF 14

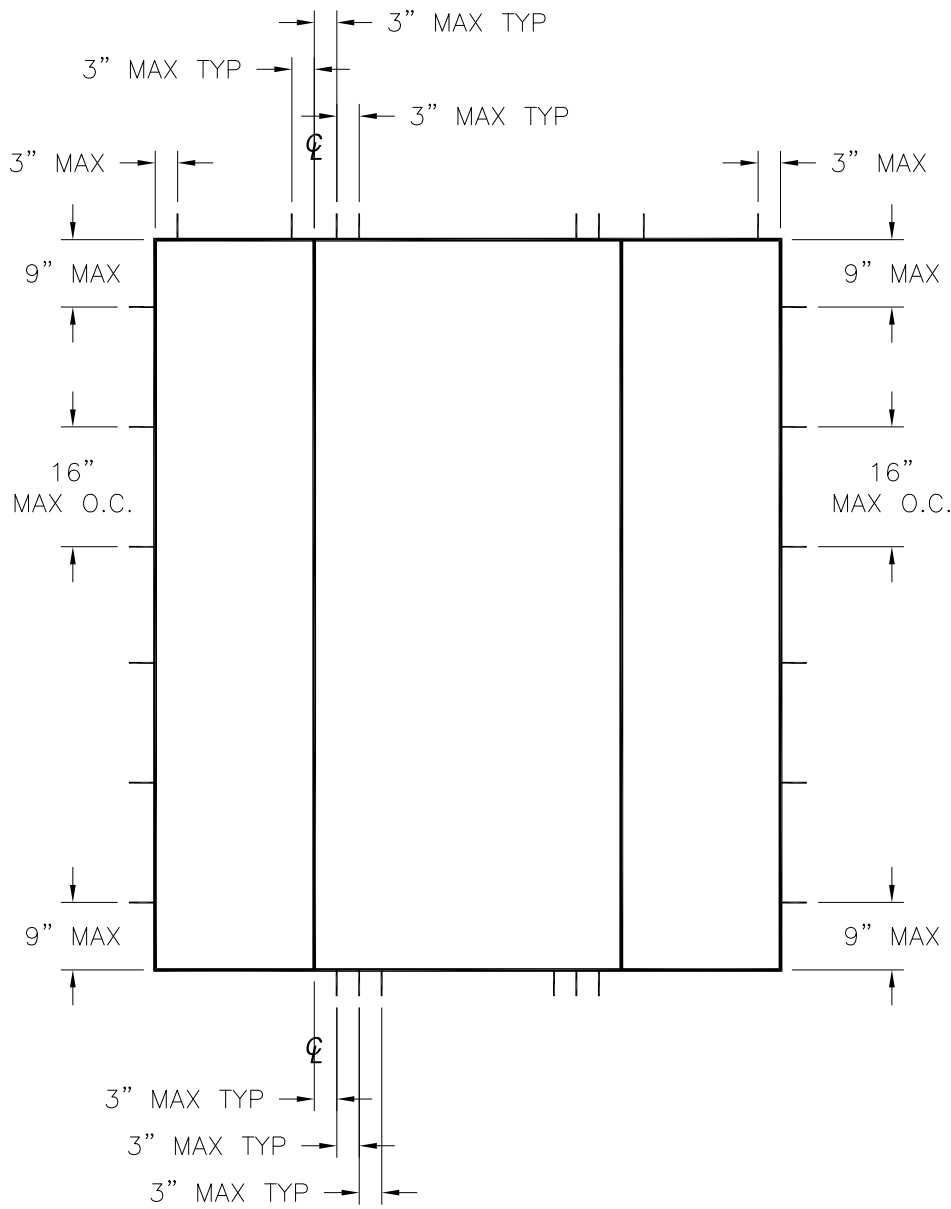
L. ROBERTO LOMAS P.E.
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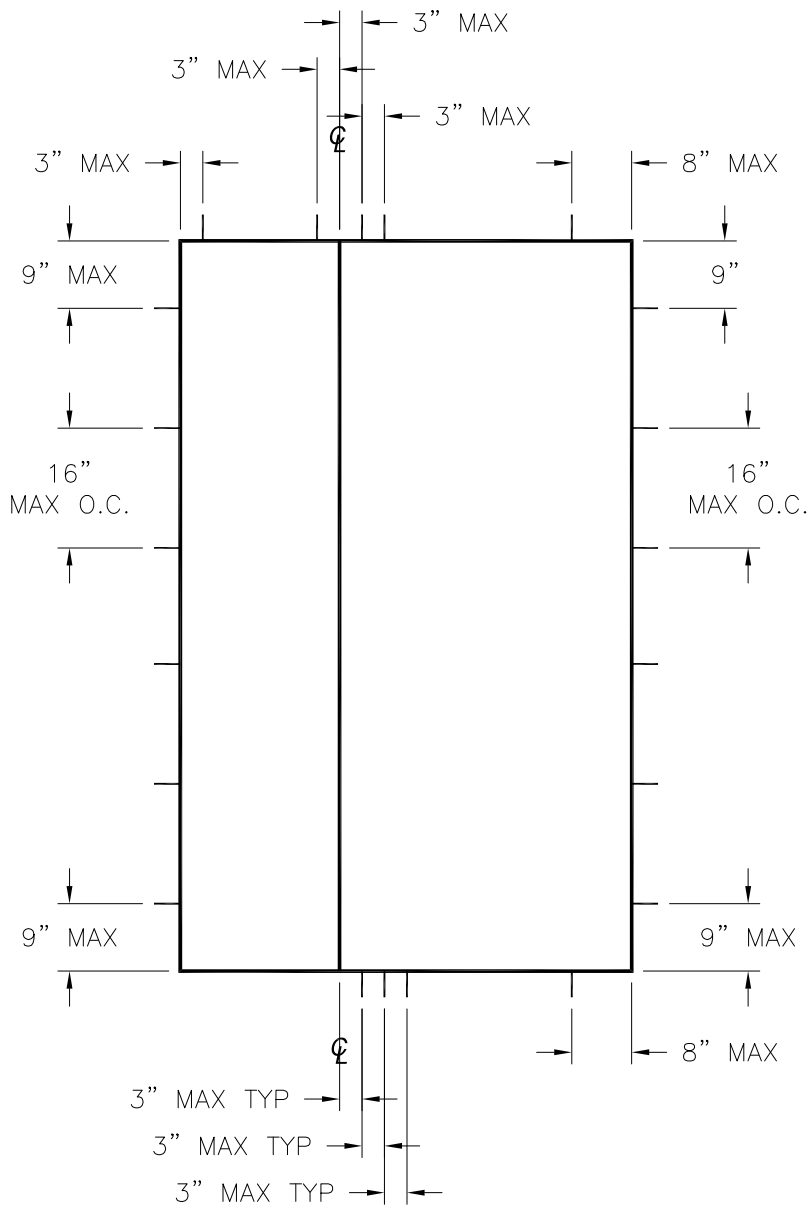


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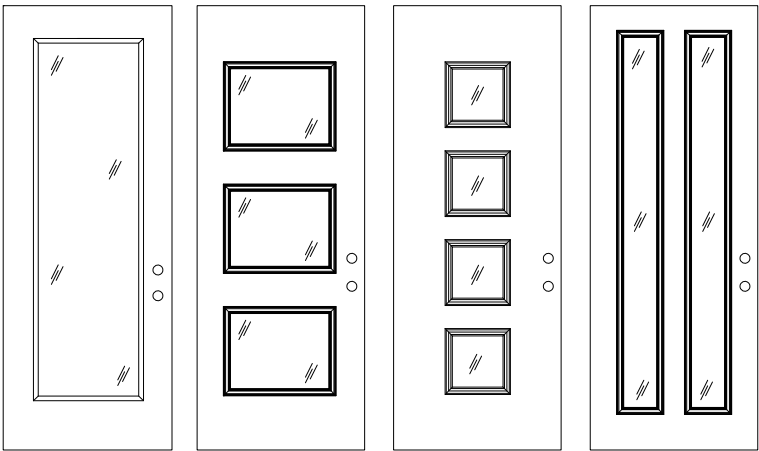


SINGLE W/SIDELITES



SINGLE W/SIDELITE

APPROVED LITE CONFIGURATIONS



FULL LITE

3 LITE

4 LITE

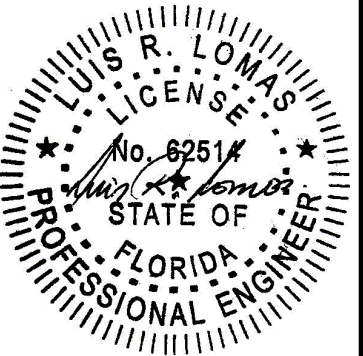
2 LITE

LITE CONFIGURATIONS SHOWN ARE FOR REFERENCE ONLY. MULTIPLE LITE CONFIGURATIONS ARE APPROVED AS LONG AS LITE SIZE DOES NOT EXCEED 11.1 FT²

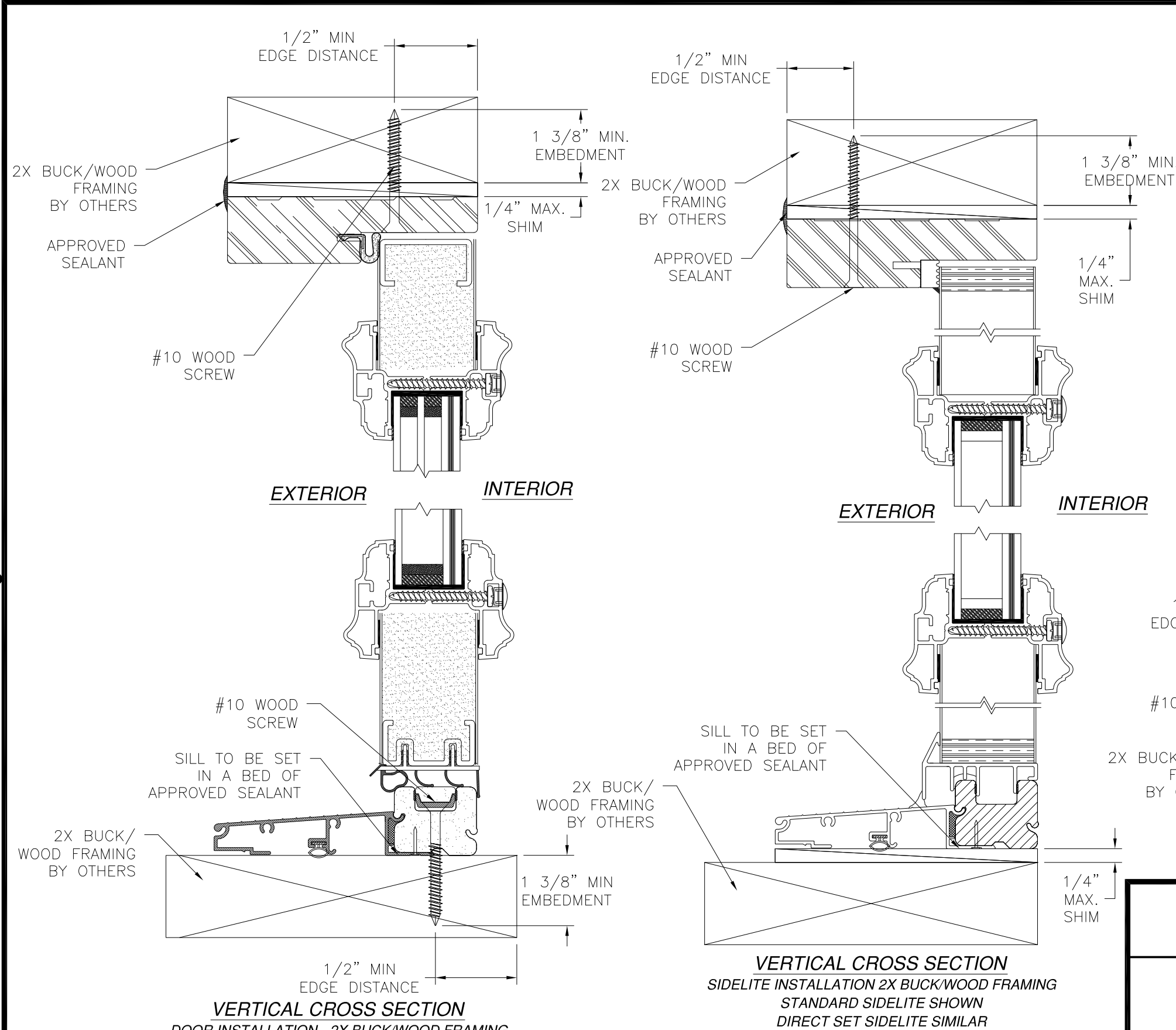
HARDWARE SCHEDULE	
A.	F-SERIES LOCK ASSEMBLY DOOR KNOB BY SCHLAGE
B.	B-SERIES DEADBOLT ASSEMBLY BY SCHLAGE
C.	F-SERIES DEADBOLT ASSEMBLY BY SCHLAGE
D.	RESIDENTIAL GRADE DOOR HANDLE ASSEMBLY BY EMTEK (ALTERNATE)
E.	MULTI-POINT LOCK HANDLE ASSEMBLY BY TRILENNIUM (ALTERNATE)
F.	PANOLOCK MULTI-POINT LOCK 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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STEEL INSWING GLAZED SINGLE DOOR W/SIDELITES – IMPACT ANCHORING LAYOUTS		
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SCALE NTS	DATE 03/20/13	SHEET 3 OF 14
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

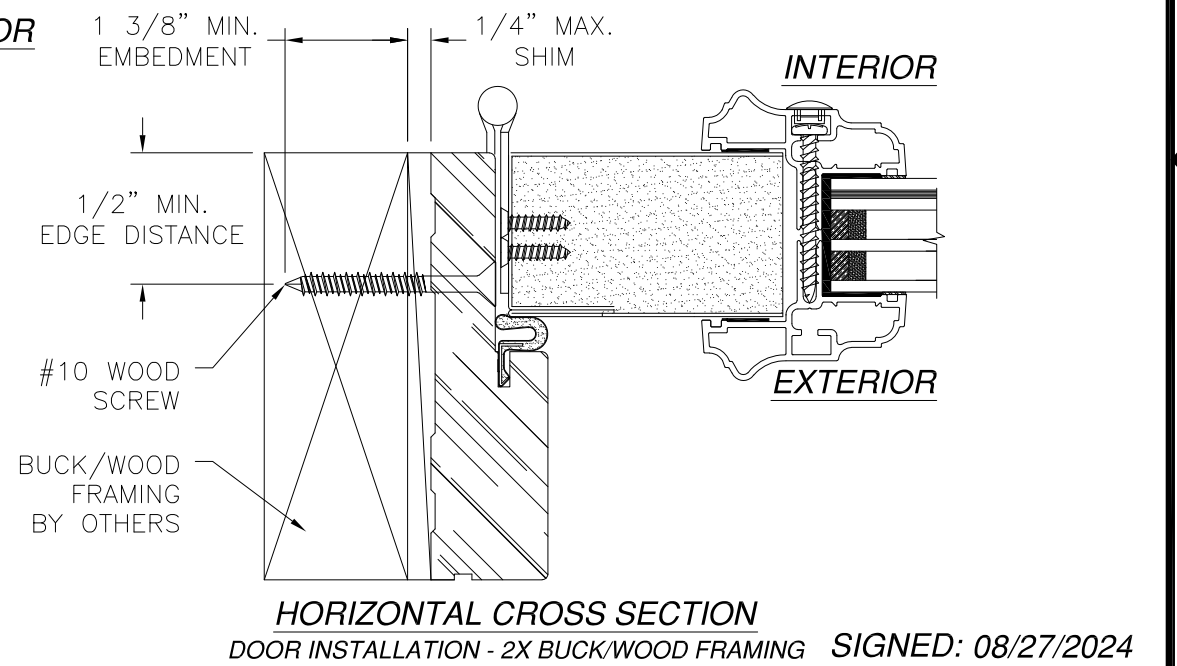
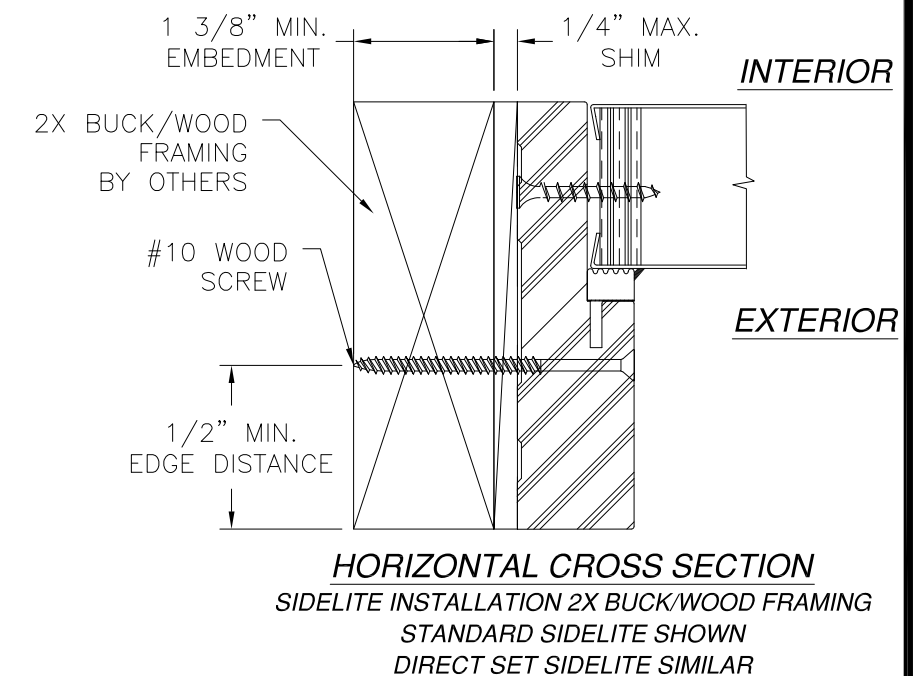
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STEEL INSWING GLAZED SINGLE DOOR
W/SIDELITES - IMPACT
INSTALLATION DETAILS

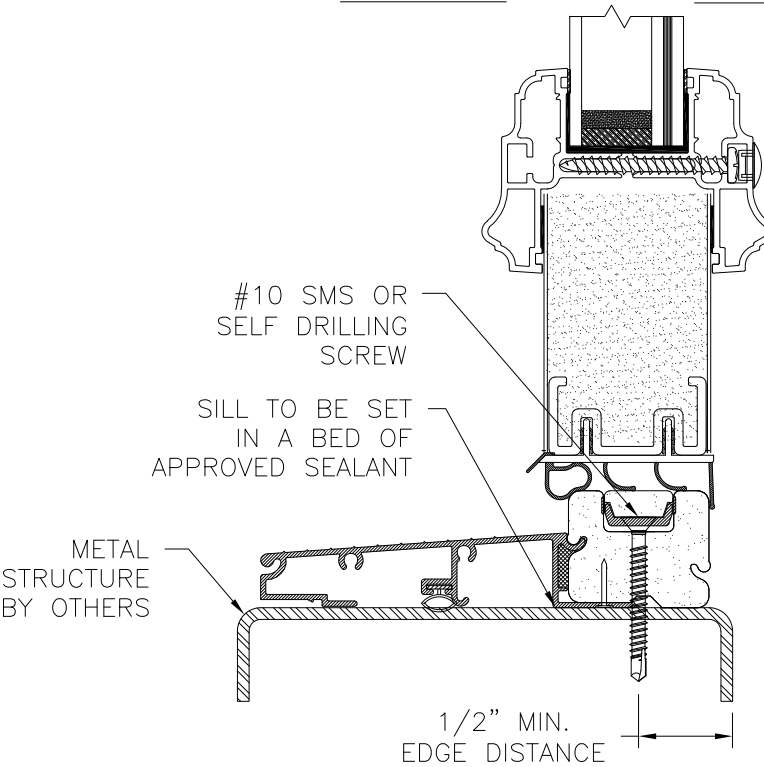
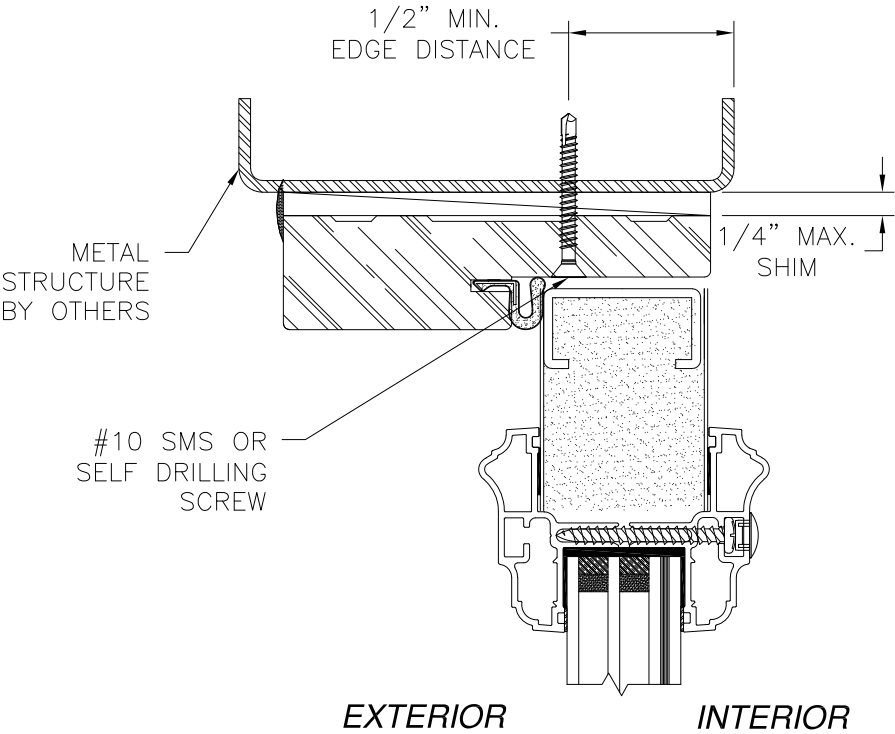
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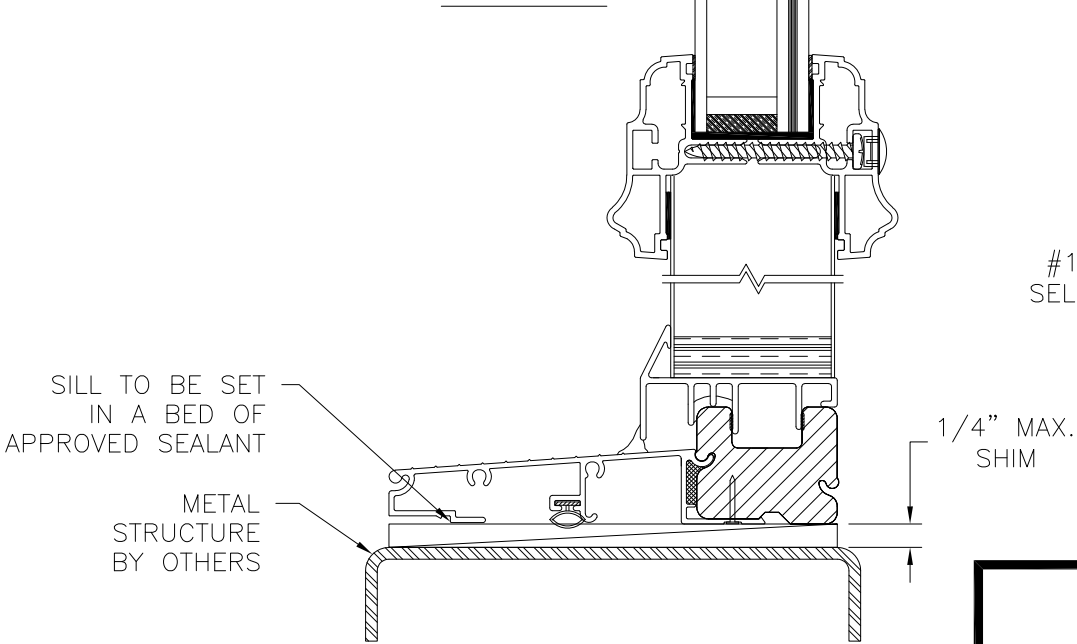
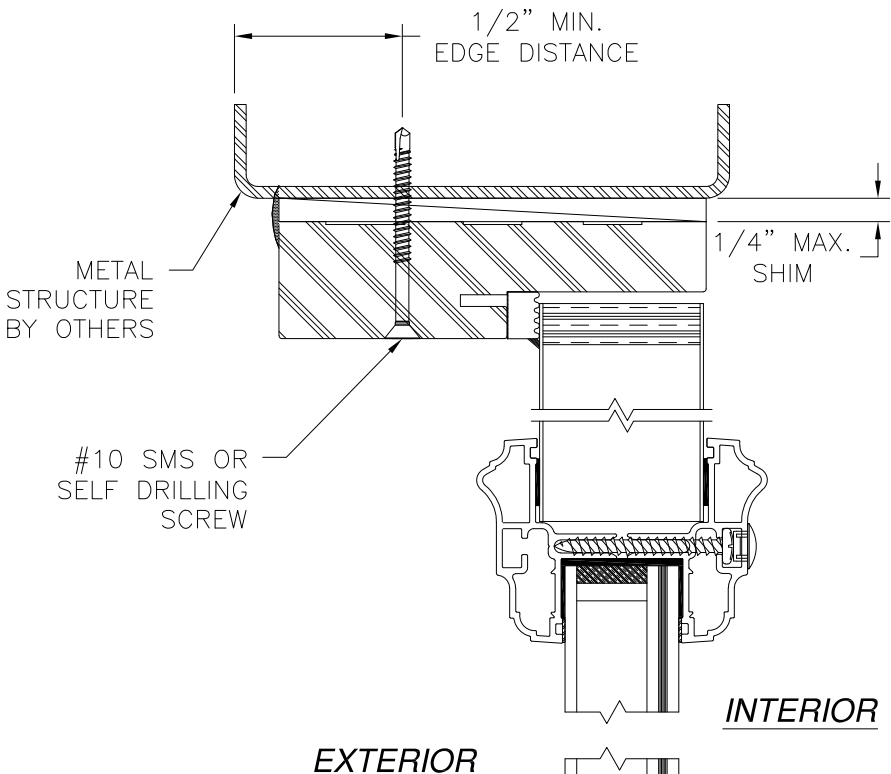
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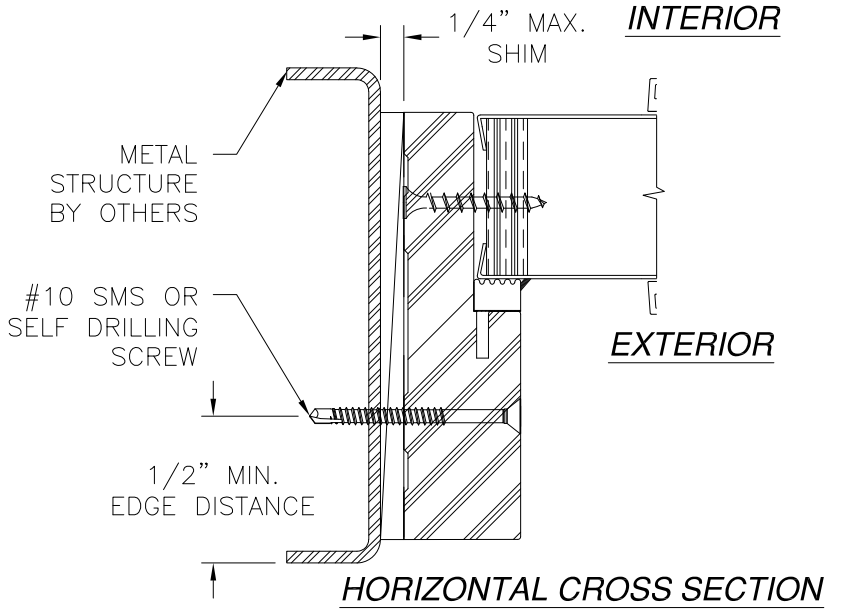
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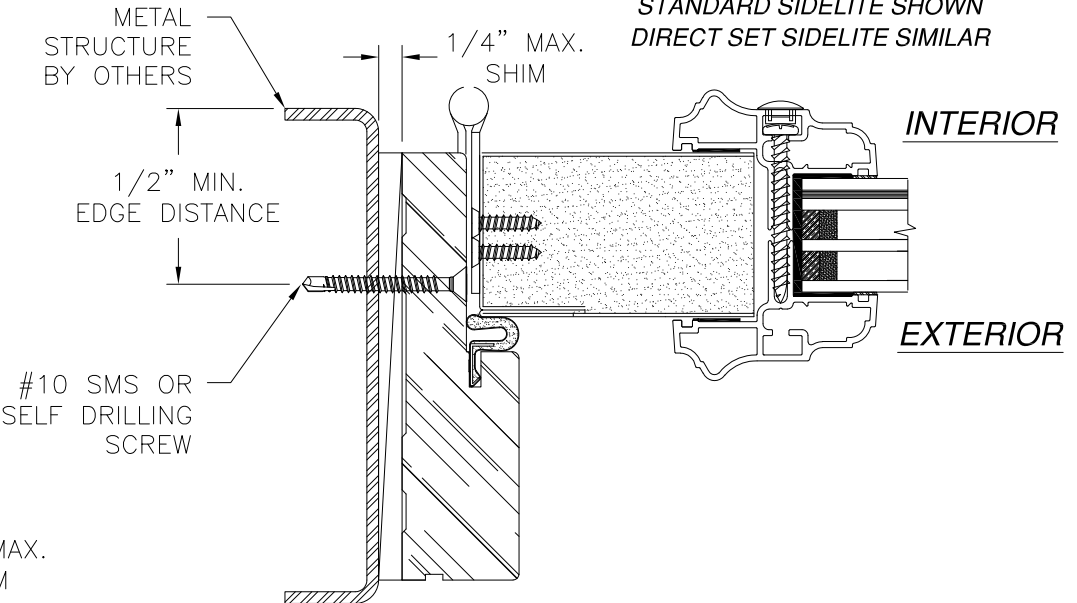
VERTICAL CROSS SECTION
DOOR INSTALLATION METAL STRUCTURE



VERTICAL CROSS SECTION
SIDELITE INSTALLATION METAL STRUCTURE
STANDARD SIDELITE SHOWN
DIRECT SET SIDELITE SIMILAR



HORIZONTAL CROSS SECTION
SIDELITE INSTALLATION METAL STRUCTURE
STANDARD SIDELITE SHOWN
DIRECT SET SIDELITE SIMILAR



HORIZONTAL CROSS SECTION
DOOR INSTALLATION METAL STRUCTURE

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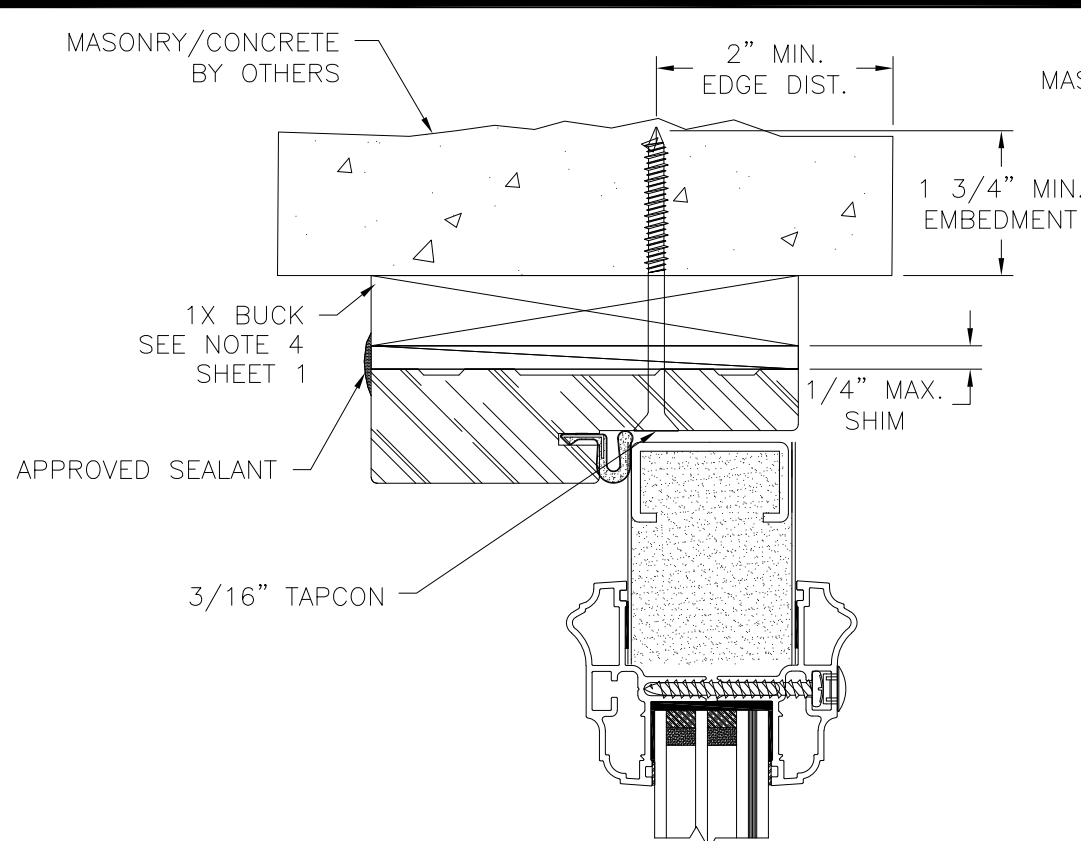
STEEL INSWING GLAZED SINGLE DOOR
W/SIDELITES – IMPACT
INSTALLATION DETAILS

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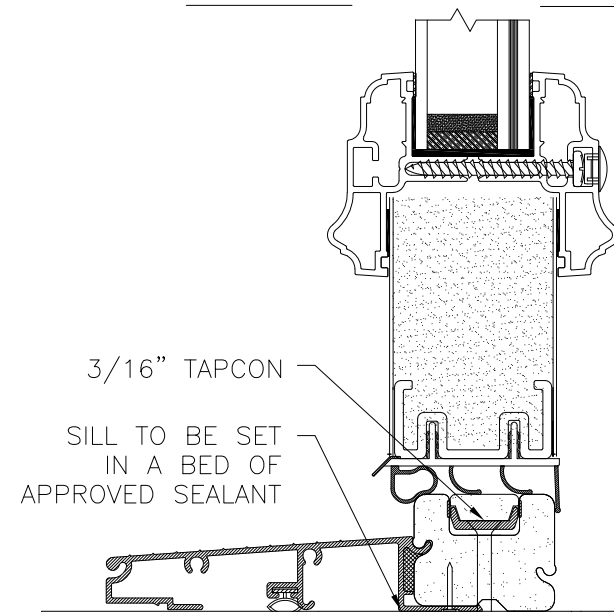
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EXTERIOR INTERIOR



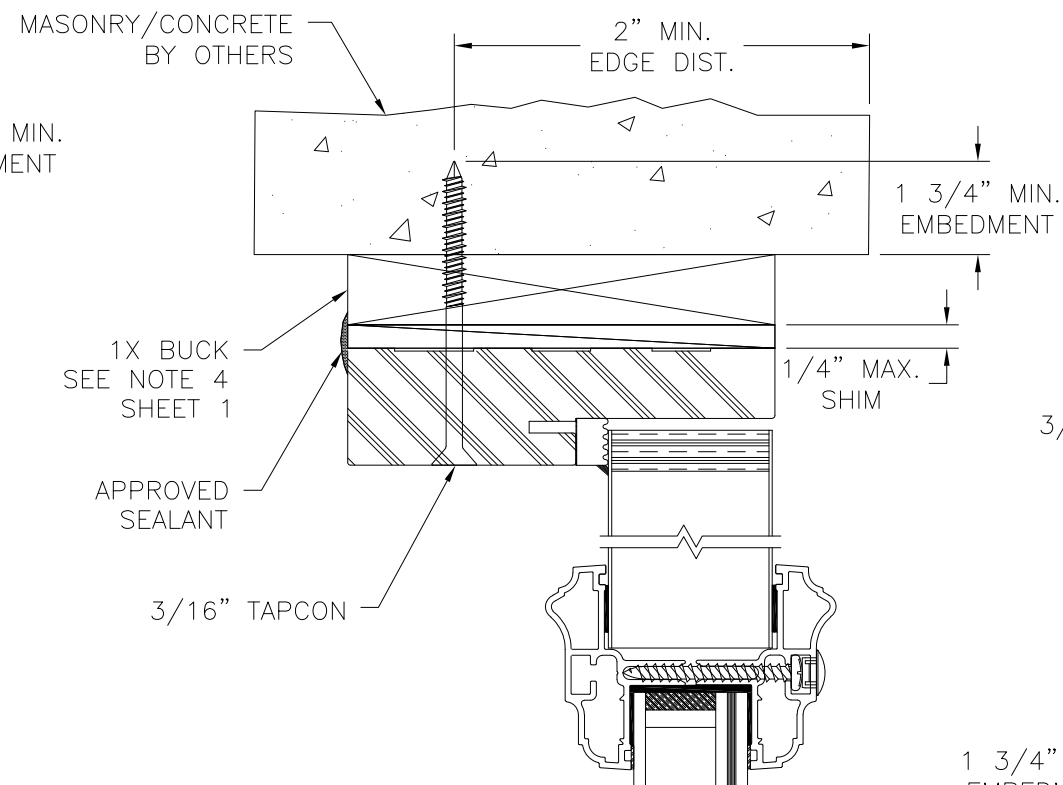
3/16" TAPCON
SILL TO BE SET
IN A BED OF
APPROVED SEALANT

MASONRY/
CONCRETE
BY OTHERS

VERTICAL CROSS SECTION
DOOR INSTALLATION MASONRY/CONCRETE

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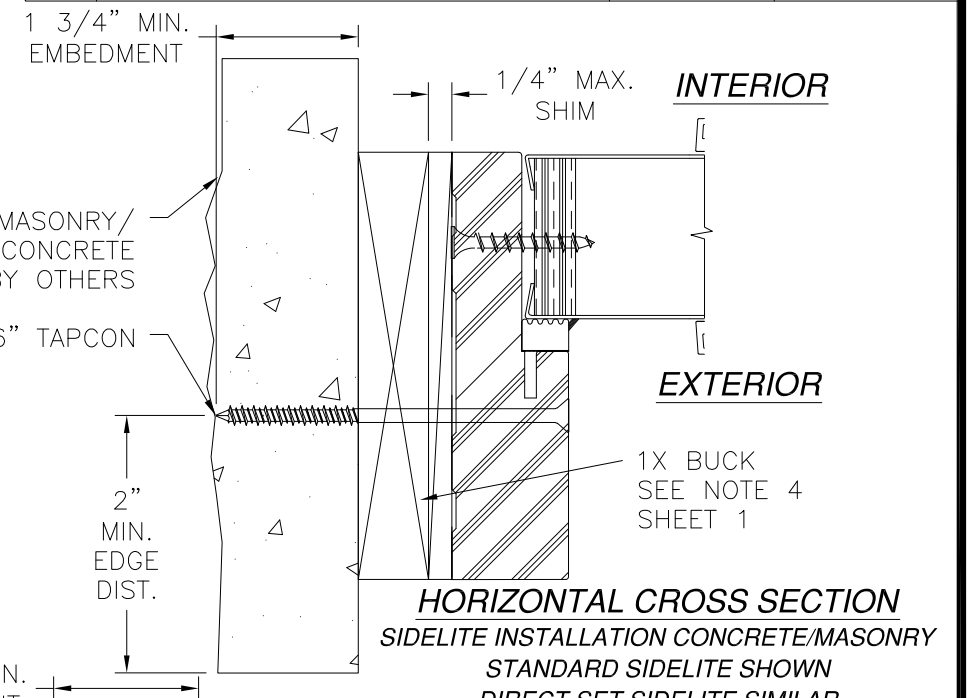
EXTERIOR INTERIOR

SILL TO BE SET
IN A BED OF
APPROVED SEALANT

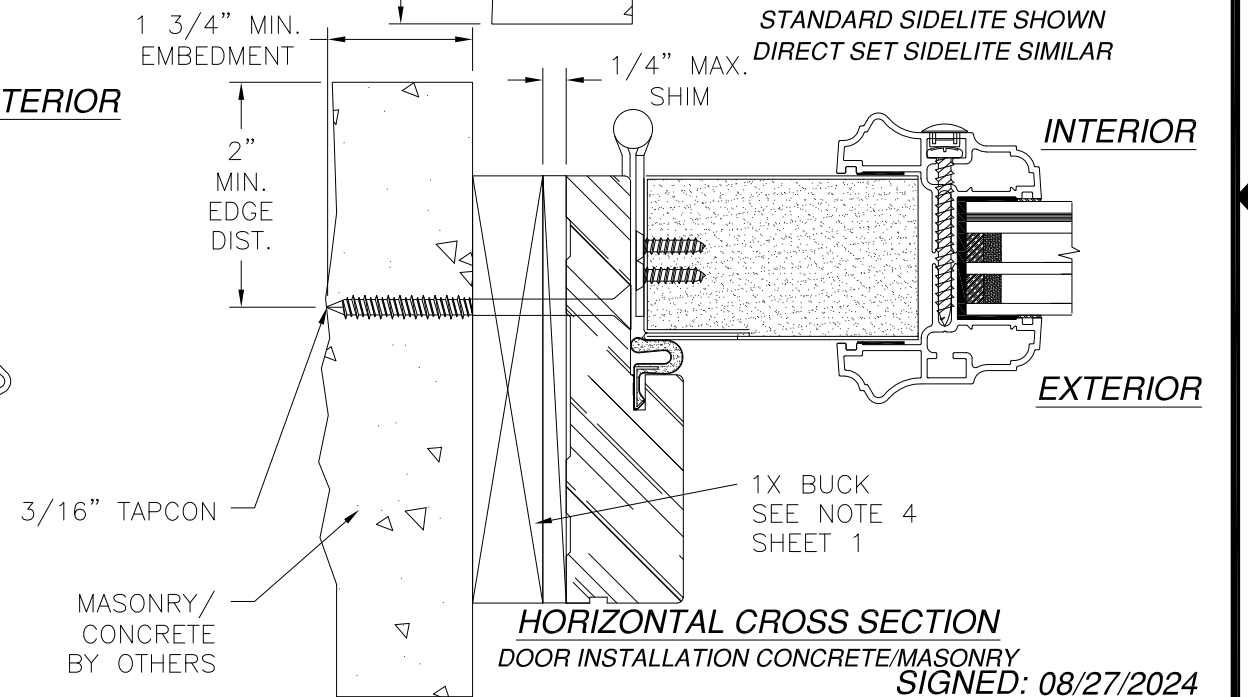
MASONRY/
CONCRETE
BY OTHERS

VERTICAL CROSS SECTION
SIDELITE INSTALLATION MASONRY/CONCRETE
STANDARD SIDELITE SHOWN
DIRECT SET SIDELITE SIMILAR

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SIDELITE INSTALLATION CONCRETE/MASONRY
STANDARD SIDELITE SHOWN
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HORIZONTAL CROSS SECTION
DOOR INSTALLATION CONCRETE/MASONRY
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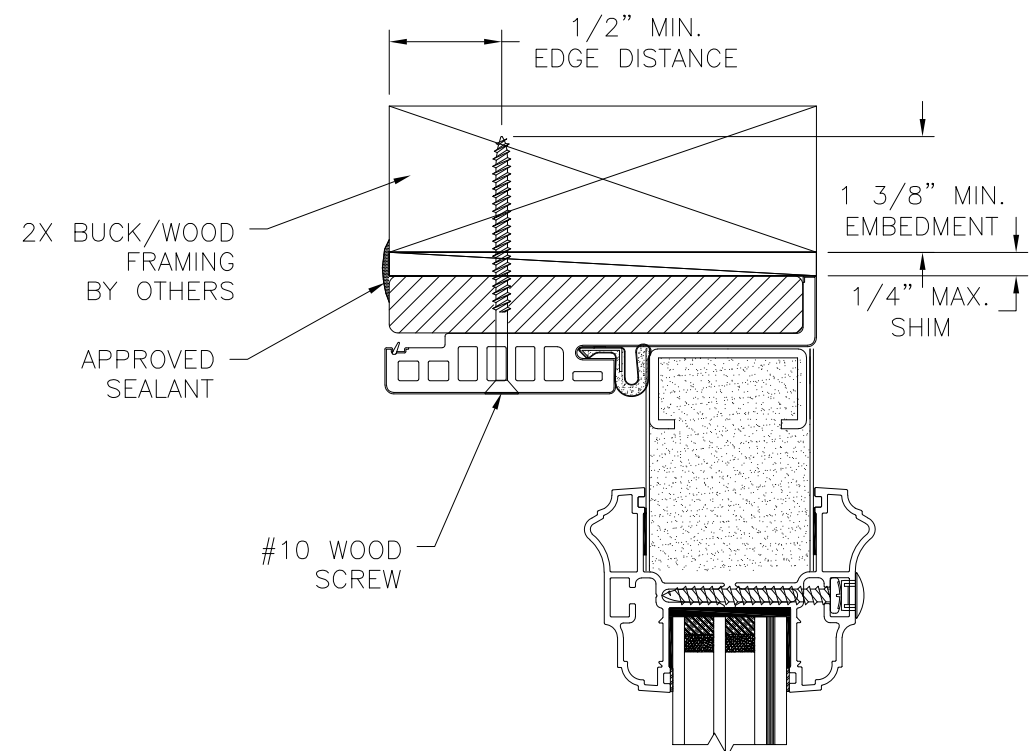
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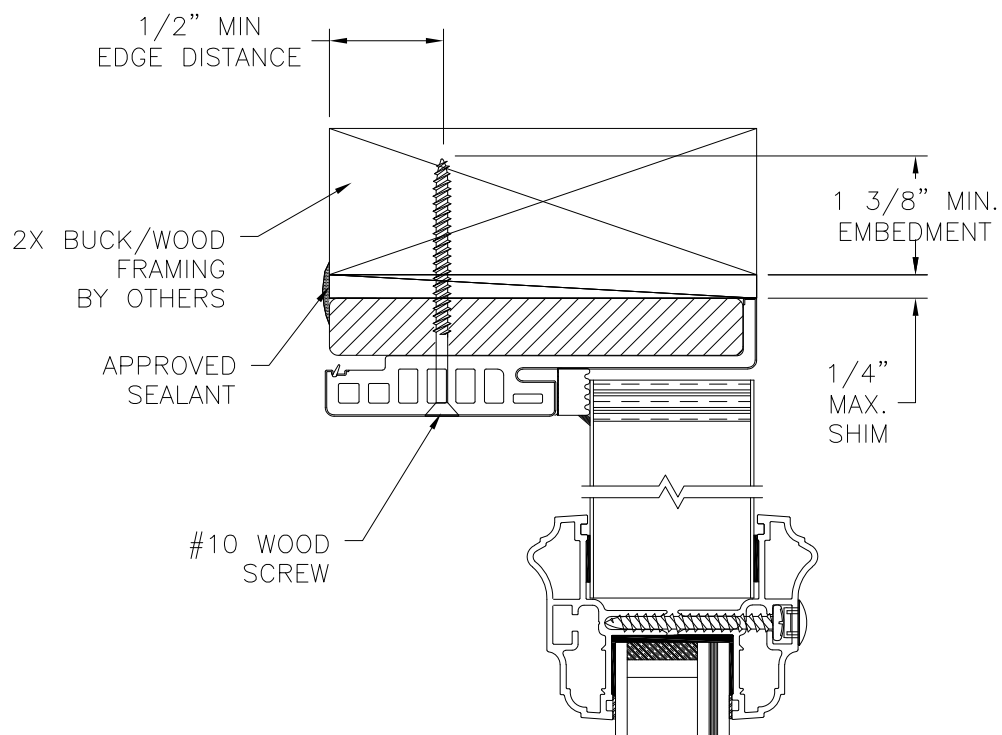
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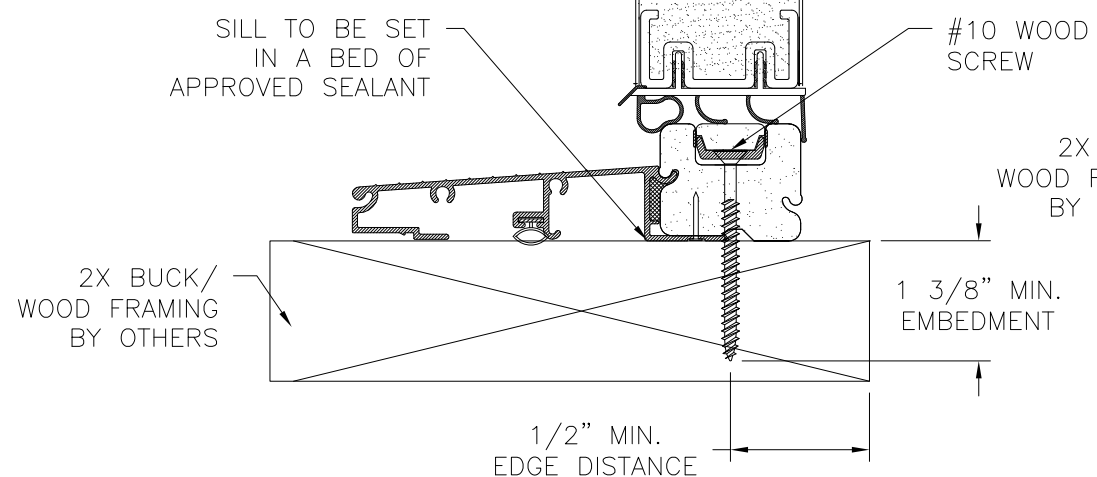
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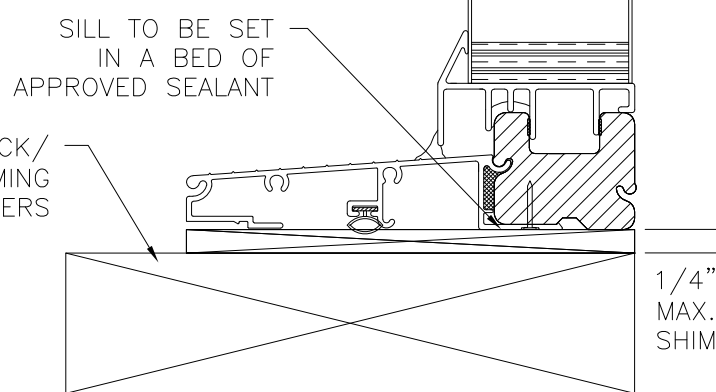
EXTERIOR INTERIOR



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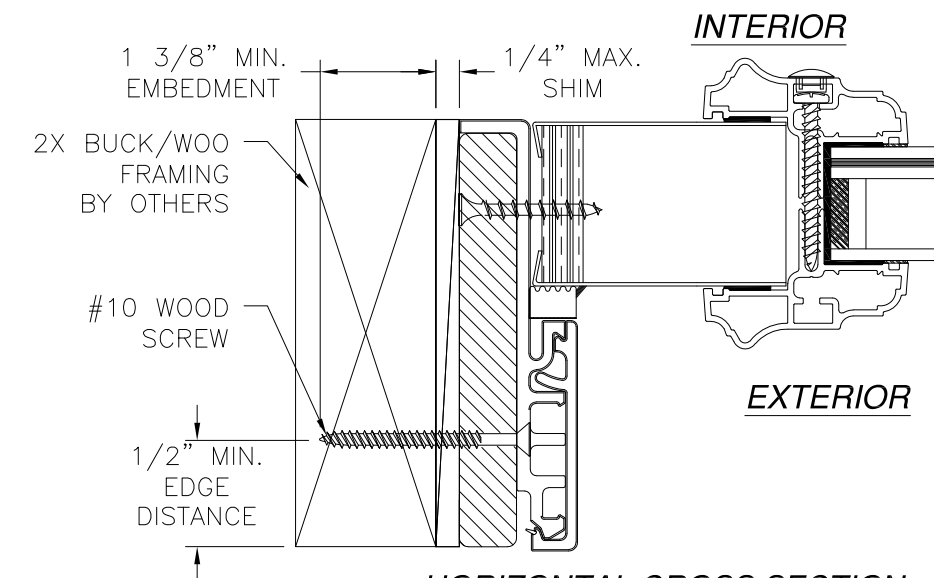
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DOOR INSTALLATION - 2X BUCK/WOOD FRAMING



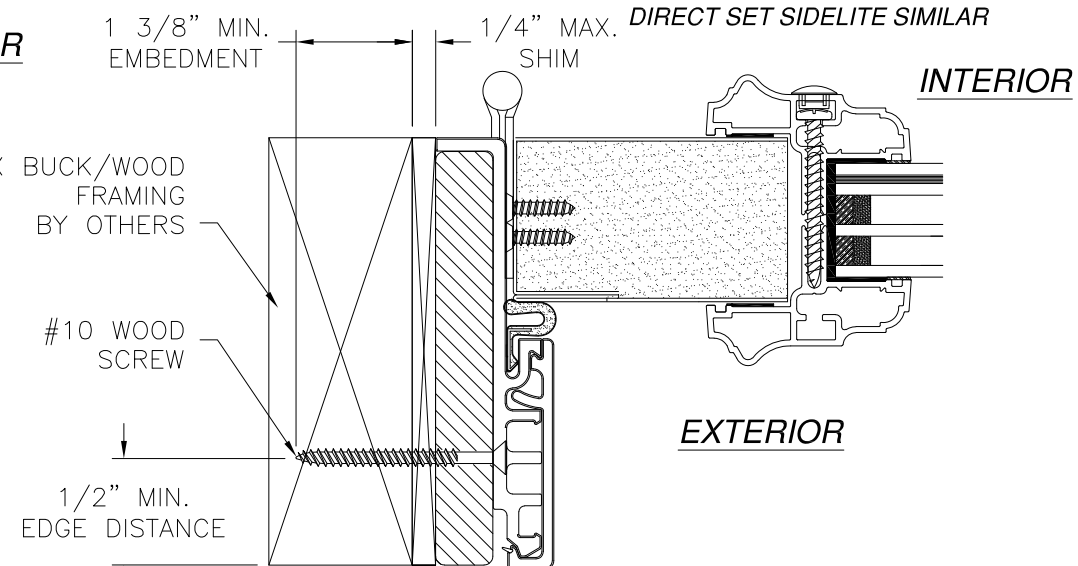
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SIDELITE INSTALLATION 2X BUCK/WOOD FRAMING
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SIDELITE INSTALLATION 2X BUCK/WOOD FRAMING
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HORIZONTAL CROSS SECTION
DOOR INSTALLATION - 2X BUCK/WOOD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

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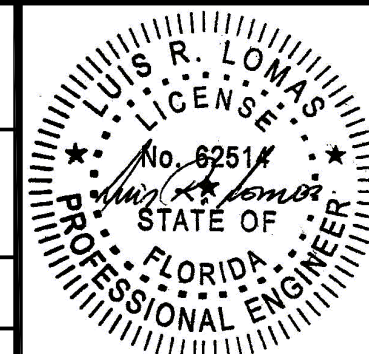
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STEEL INSWING GLAZED SINGLE DOOR
W/SIDELITES - IMPACT
INSTALLATION DETAILS W/FUSION FRAME

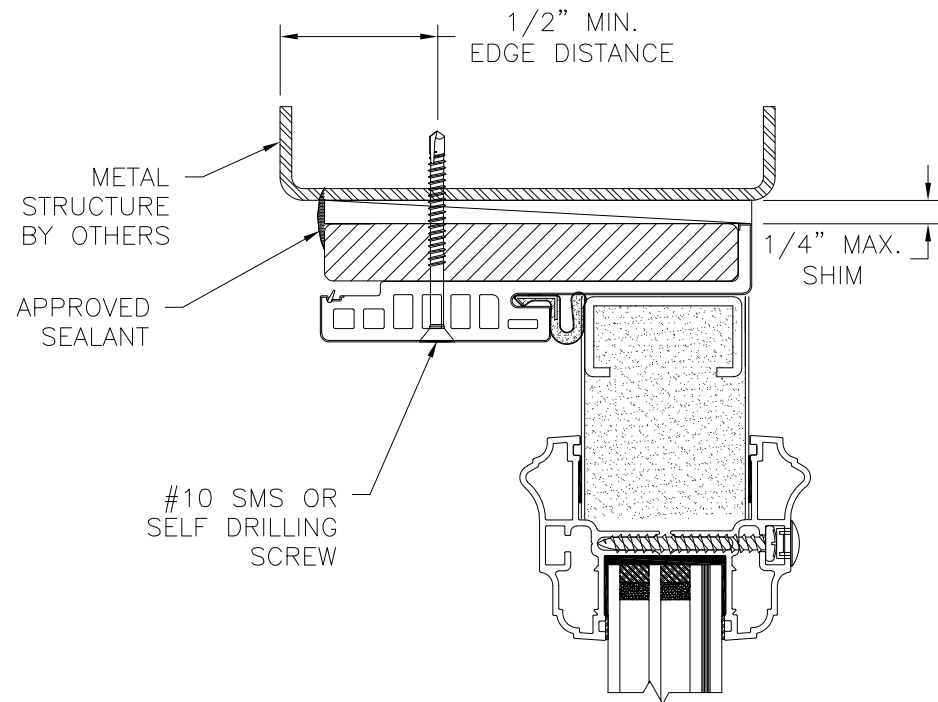
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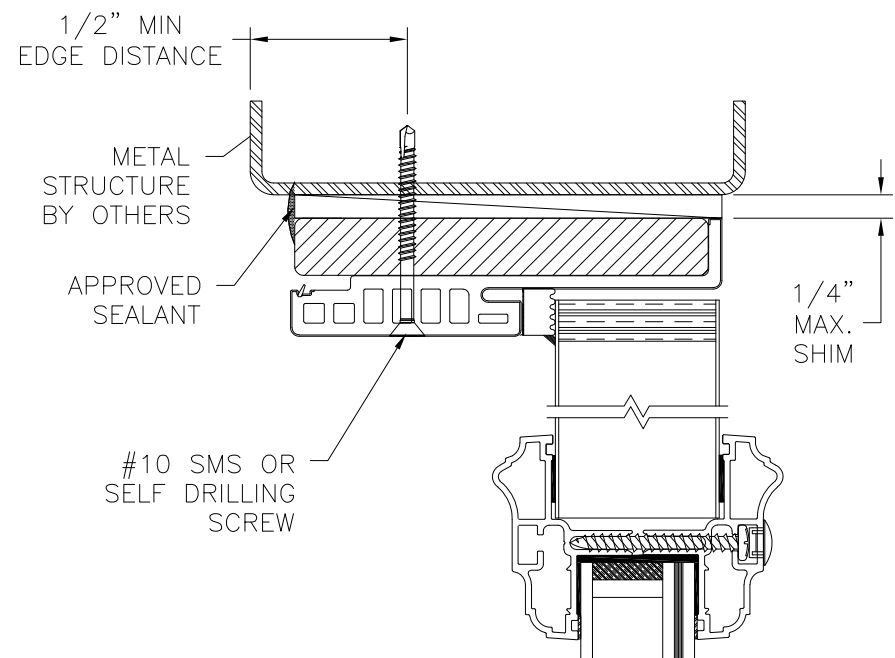


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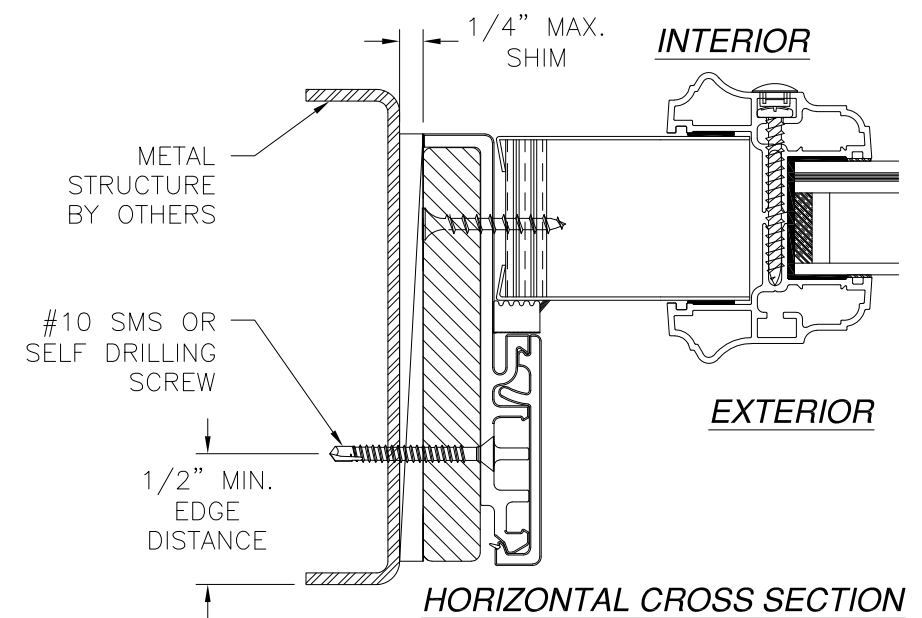
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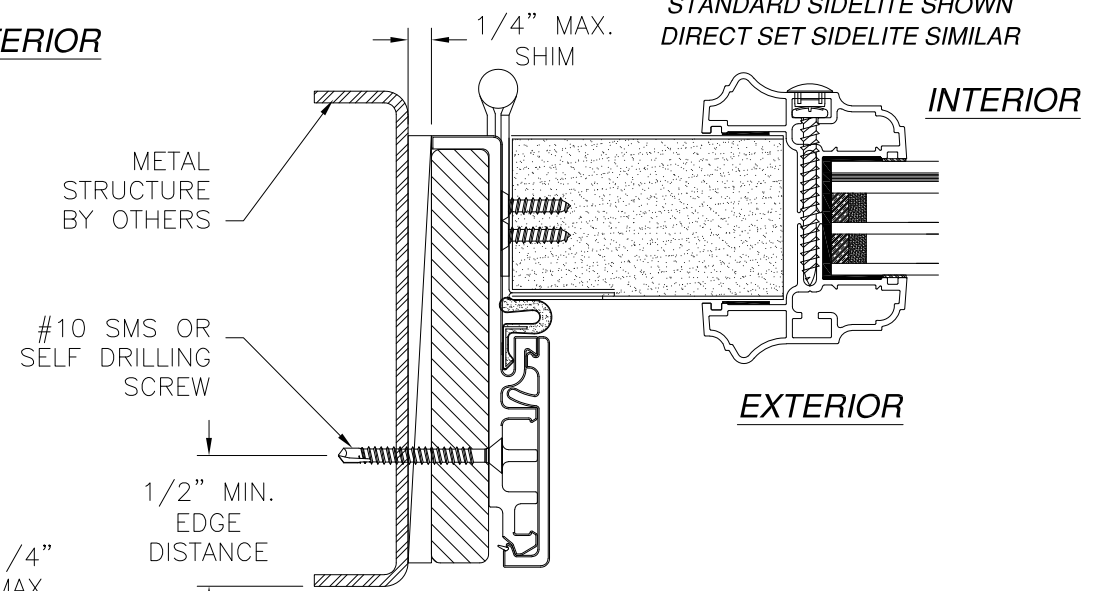
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DOOR INSTALLATION - METAL STRUCTURE



VERTICAL CROSS SECTION
SIDELITE INSTALLATION 2X BUCK/WOOD FRAMING
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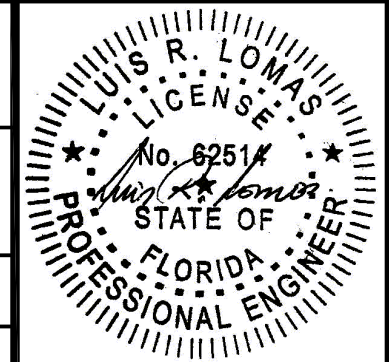
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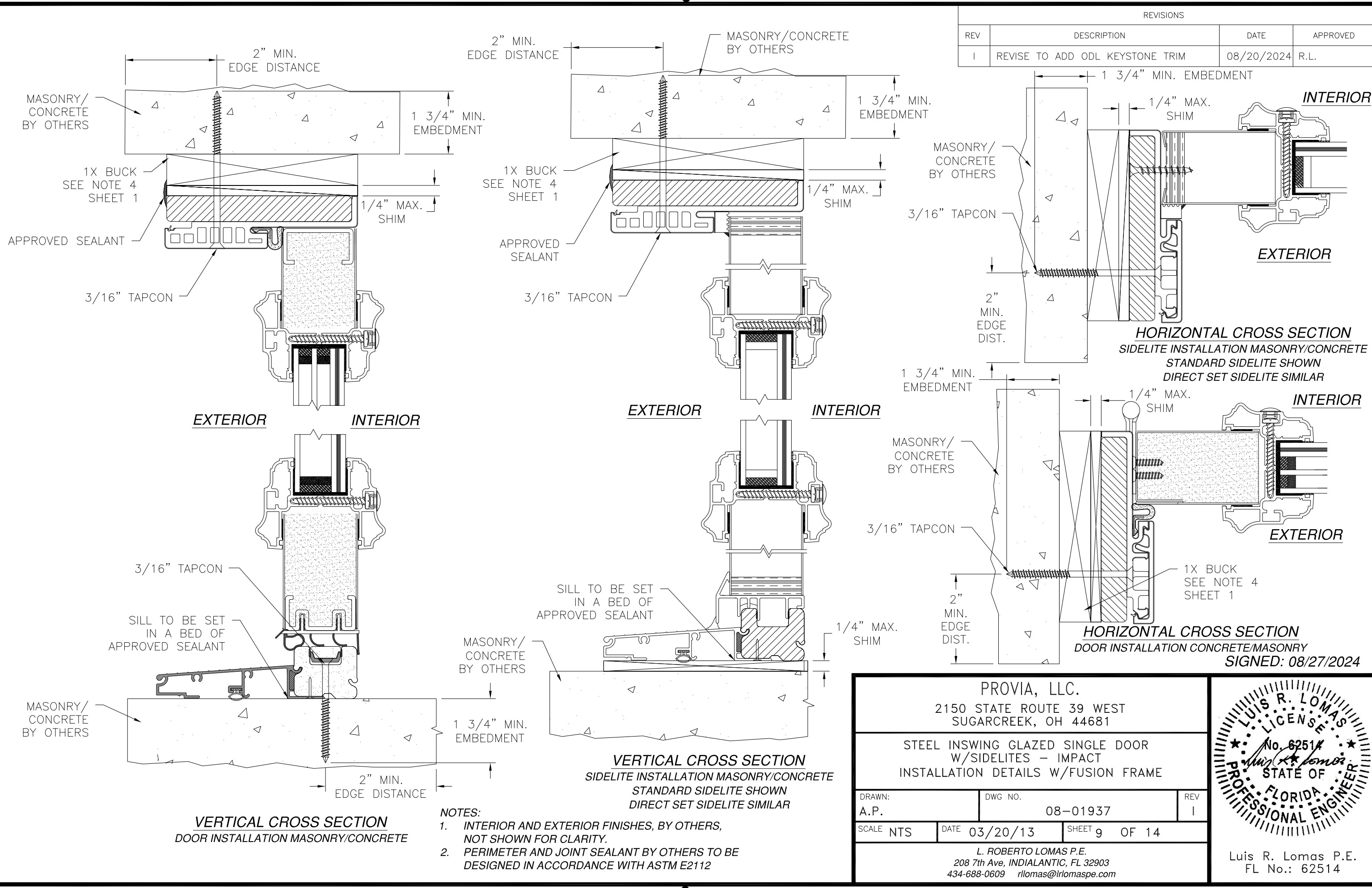
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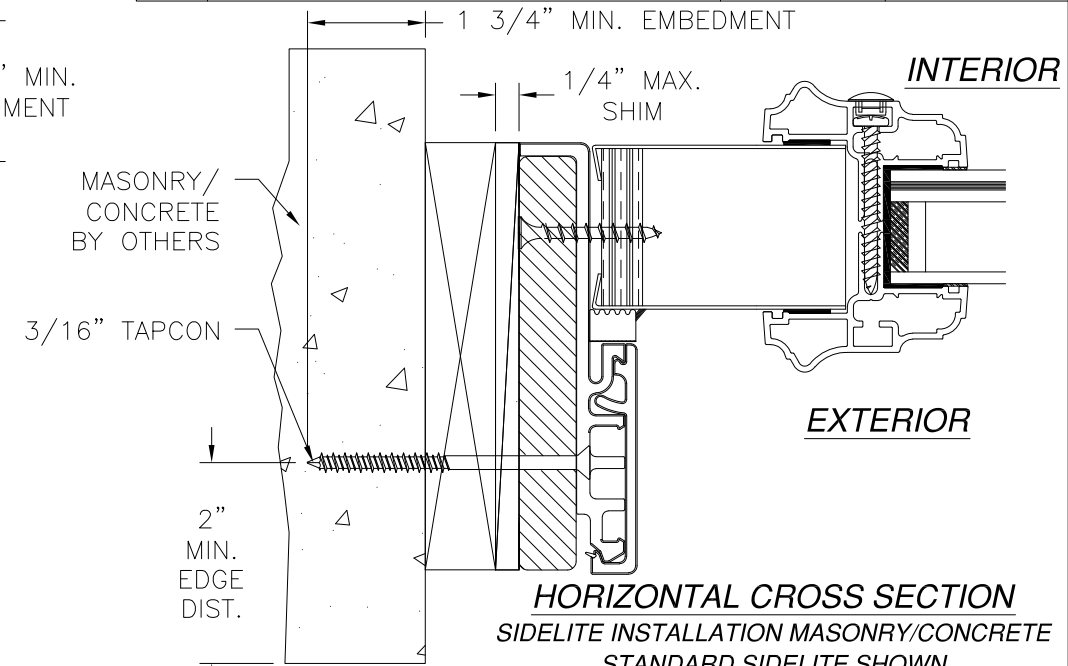


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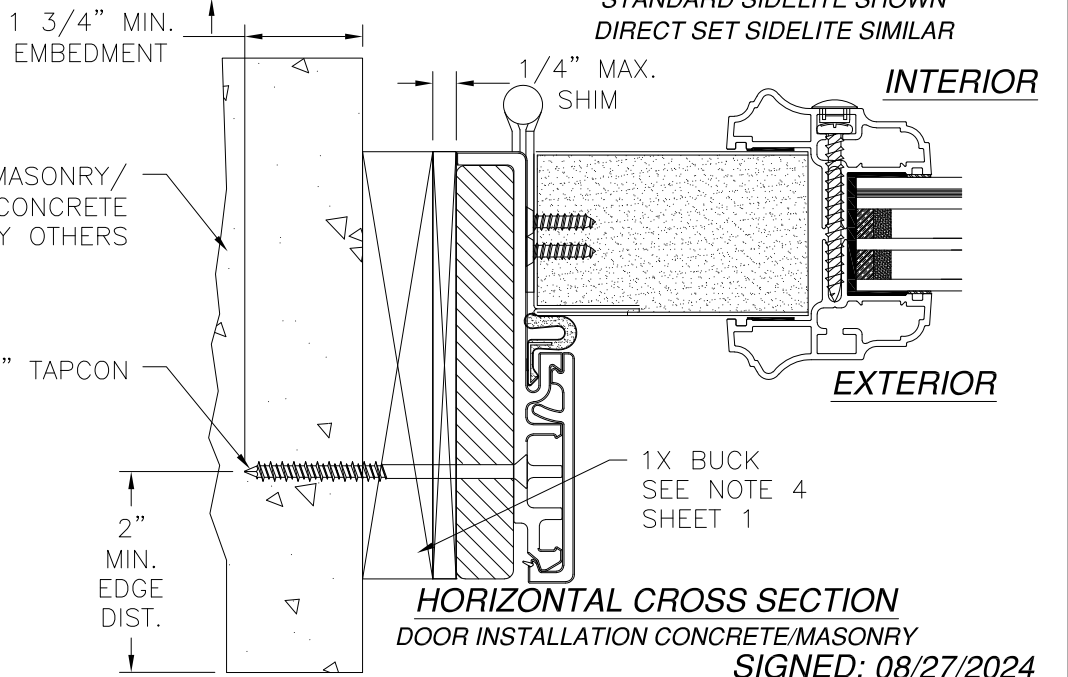
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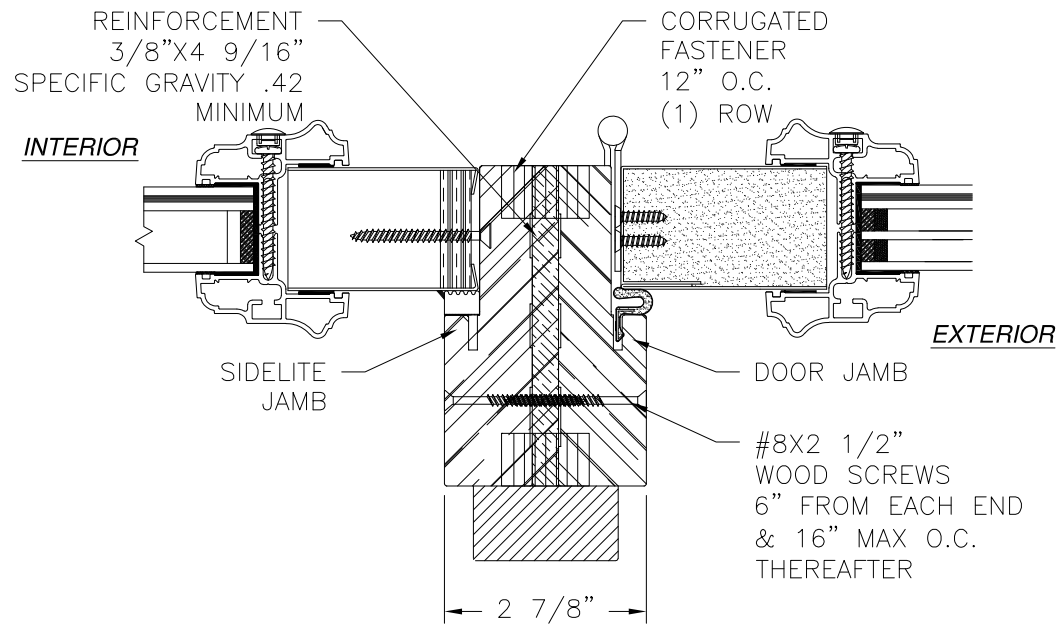
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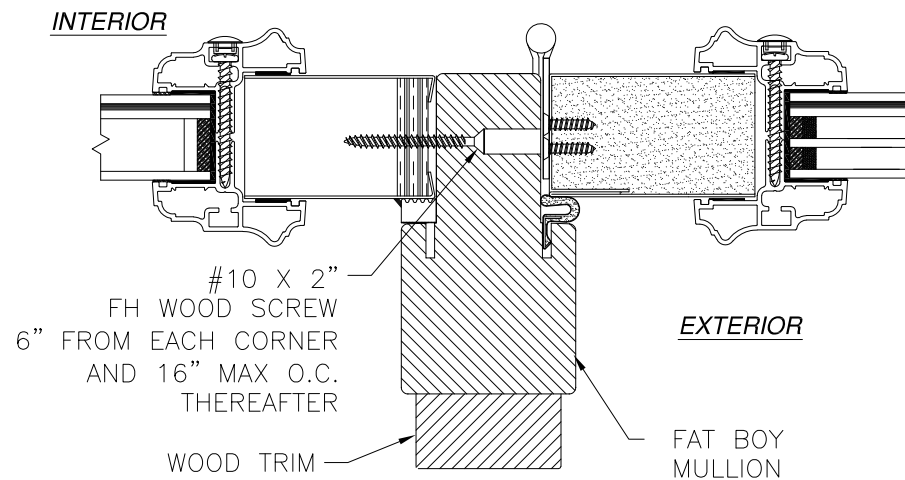
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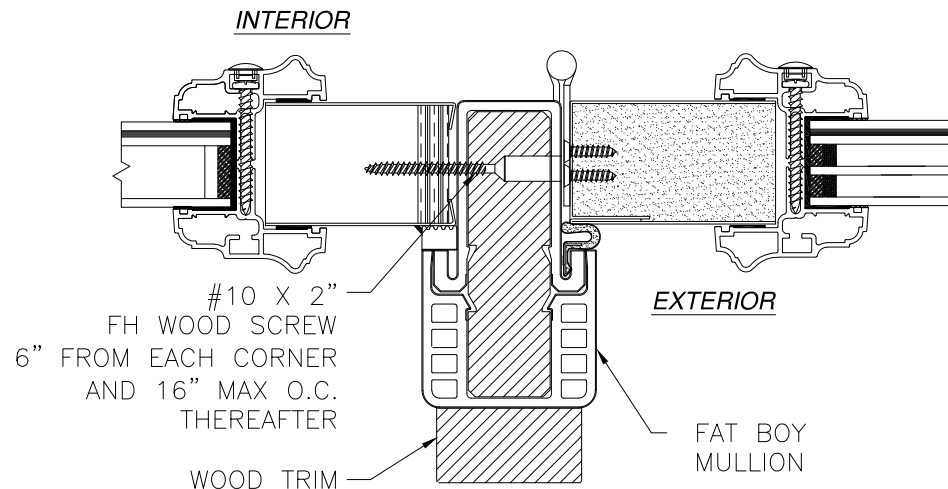
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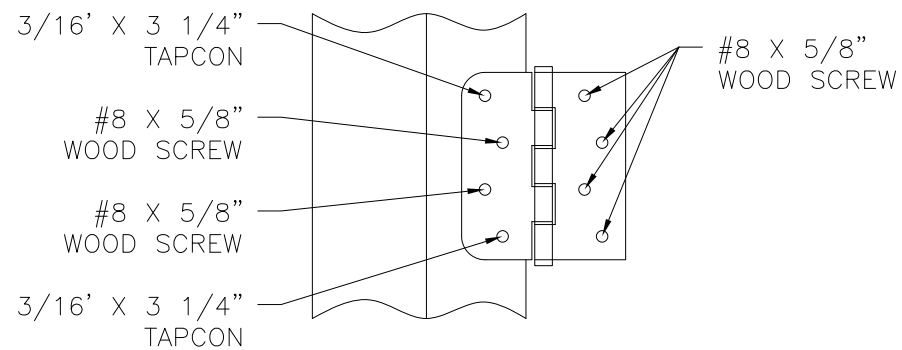
MULLION DETAIL
STANDARD FRAME SHOWN,
COMPOSITE AND FUSION FRAME SIMILAR



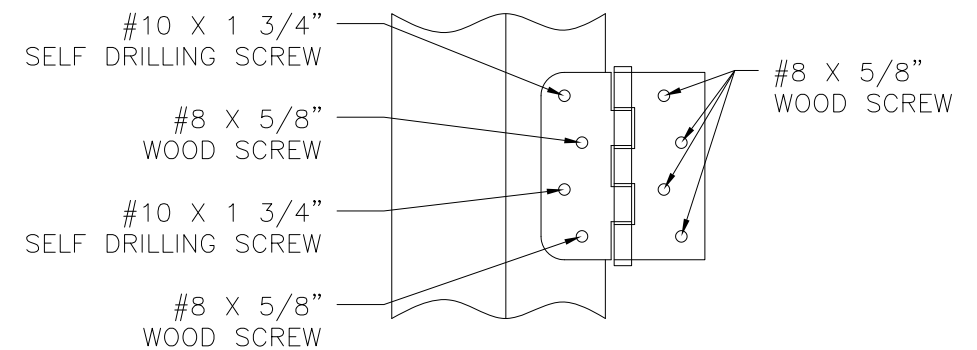
MULLION DETAIL
WITH FAT BOY MULLION



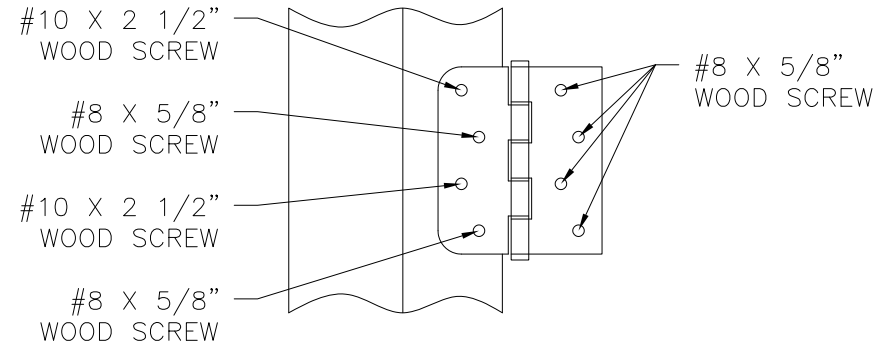
MULLION DETAIL
WITH HYBRID FAT BOY MULLION



HINGE INSTALLATION DETAIL
MASONRY/CONCRETE



HINGE INSTALLATION DETAIL
METAL STRUCTURE

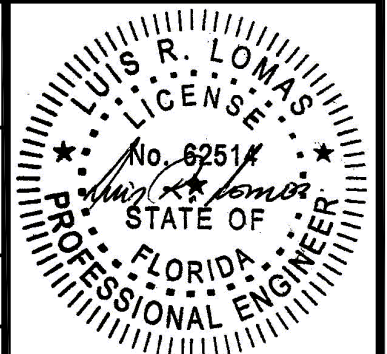


HINGE INSTALLATION DETAIL
2X BUCK/WOOD FRAMING

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STEEL INSWING GLAZED SINGLE DOOR W/SIDELITES – IMPACT MULLION AND HINGES DETAILS		
DRAWN: A.P.	DWG NO. 08-01937	REV I
SCALE NTS	DATE 03/20/13	SHEET 11 OF 14
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

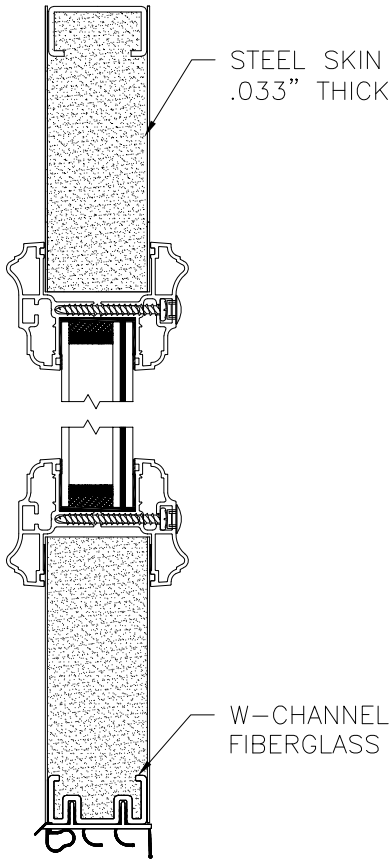
SIGNED: 08/27/2024



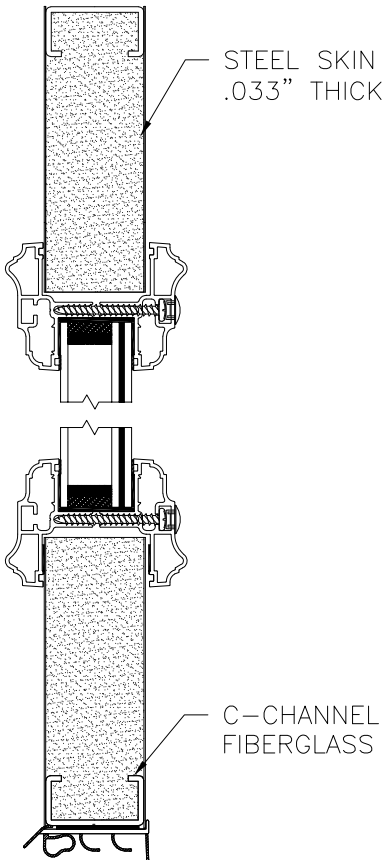
Luis R. Lomas P.E.
FL No.: 62514

APPROVED SLABS AND TRIMS

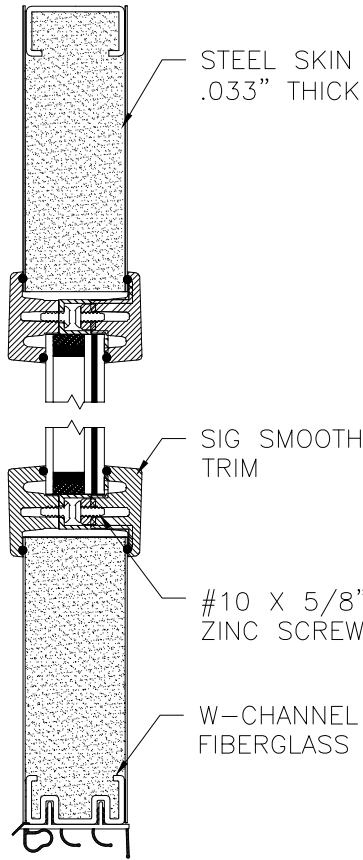
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REV	DESCRIPTION	DATE	APPROVED
I	REVISE TO ADD ODL KEYSTONE TRIM	08/20/2024	R.L.



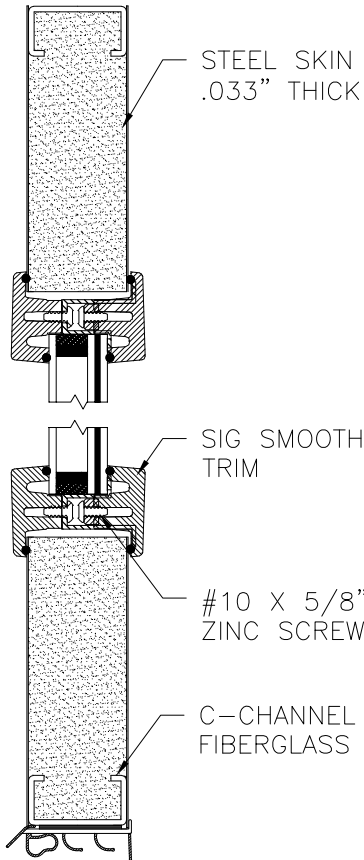
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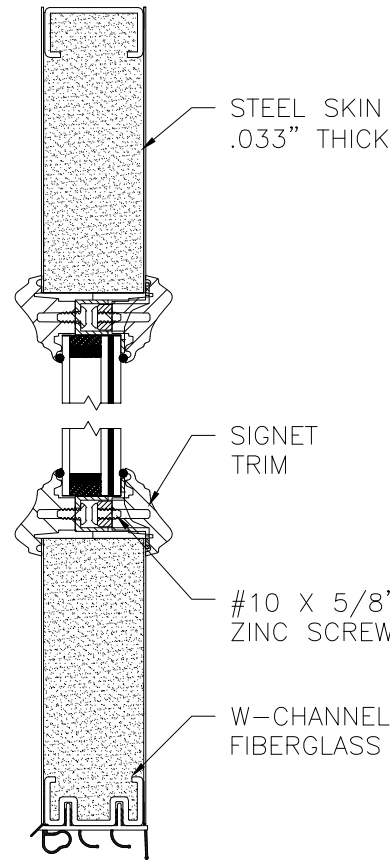
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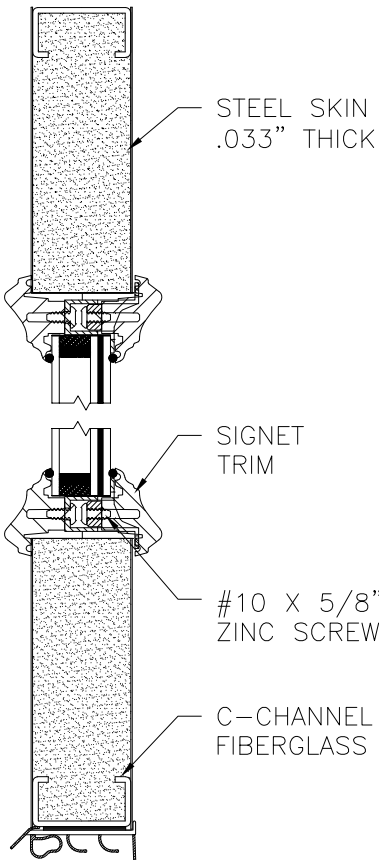
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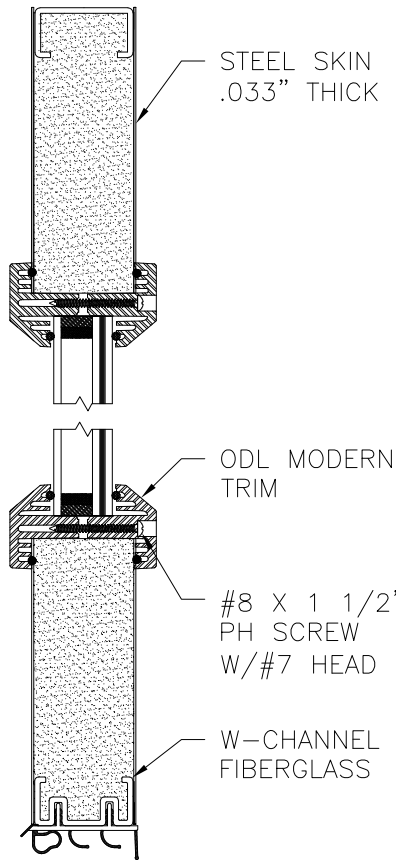
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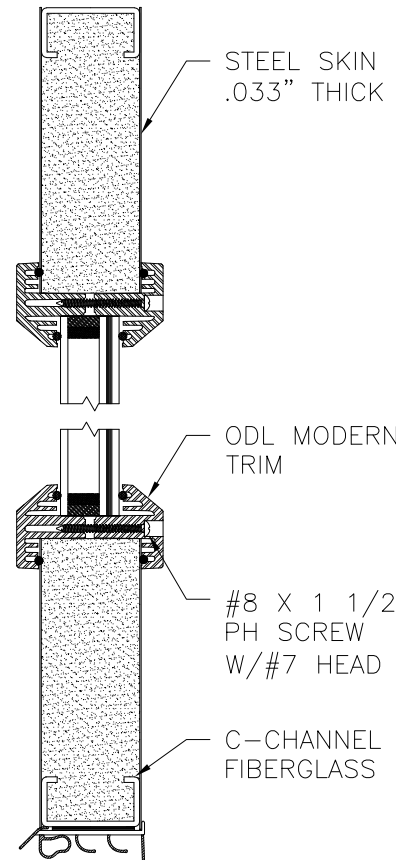
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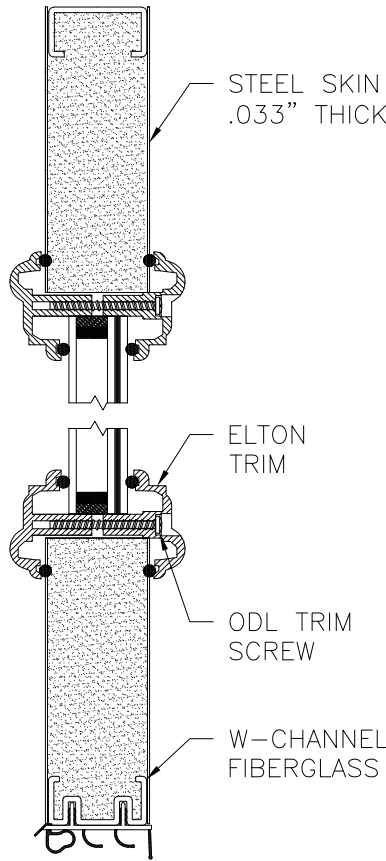
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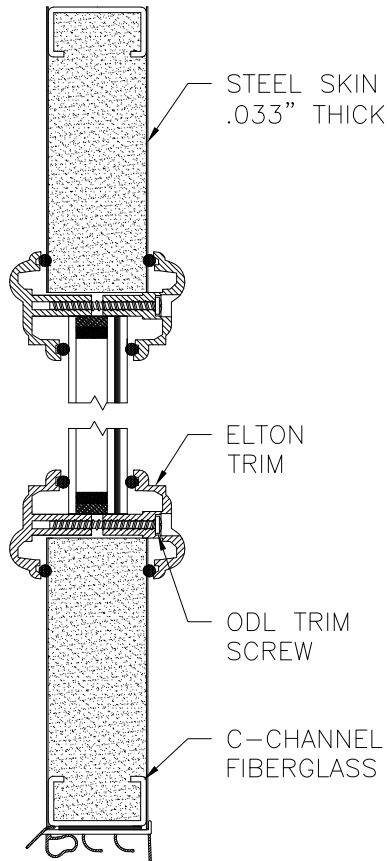
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PANEL OPTION 8



PANEL OPTION 9



PANEL OPTION 10

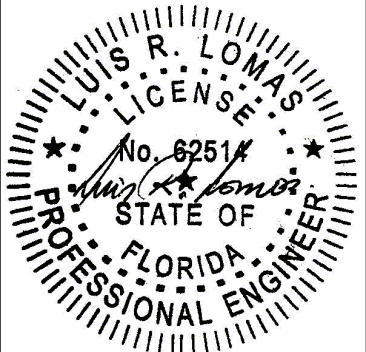
PROVIA, LLC.
2150 STATE ROUTE 39 WEST
SUGARCREEK, OH 44681

STEEL INSWING GLAZED SINGLE DOOR
W/SIDELITES - IMPACT
APPROVED SLABS

DRAWN: A.P.	DWG NO. 08-01937	REV I
SCALE NTS	DATE 03/20/13	SHEET 12 OF 14

L. ROBERTO LOMAS P.E.
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434-688-0609 rllomas@lrlomaspe.com

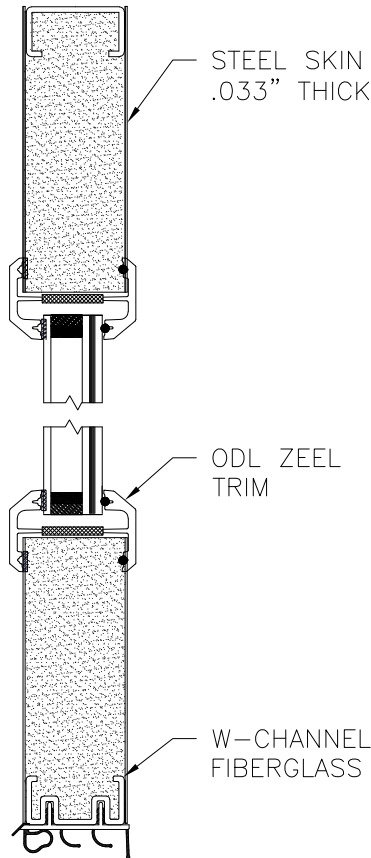
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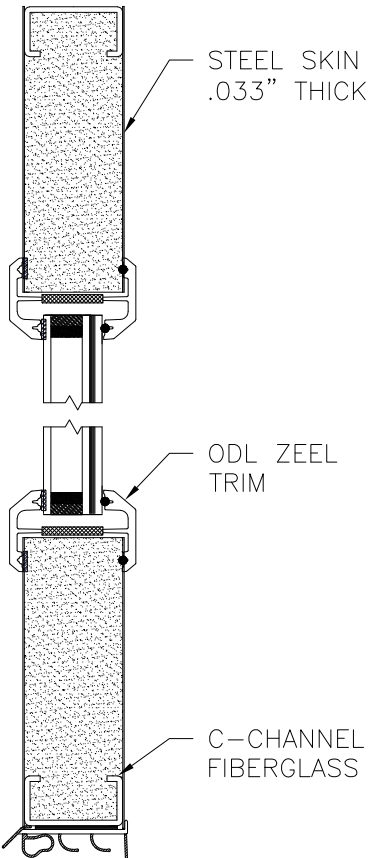
Luis R. Lomas P.E.
FL No.: 62514

APPROVED SLABS AND TRIMS

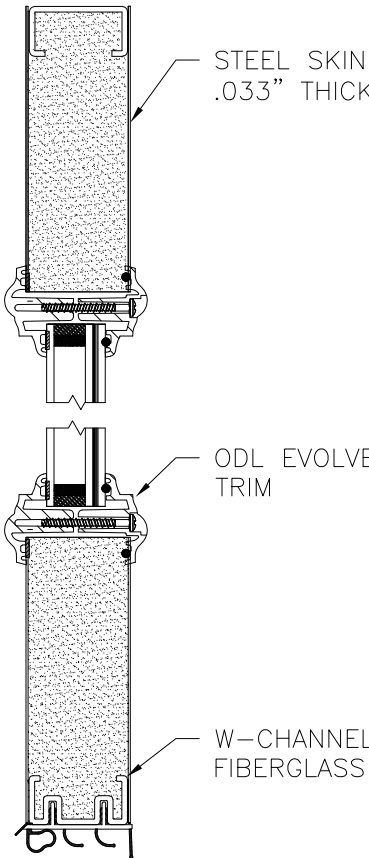
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REV	DESCRIPTION	DATE	APPROVED
I	REVISE TO ADD ODL KEYSTONE TRIM	08/20/2024	R.L.



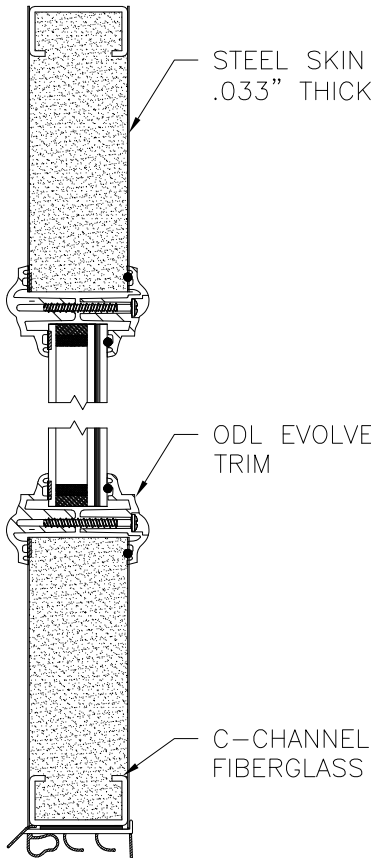
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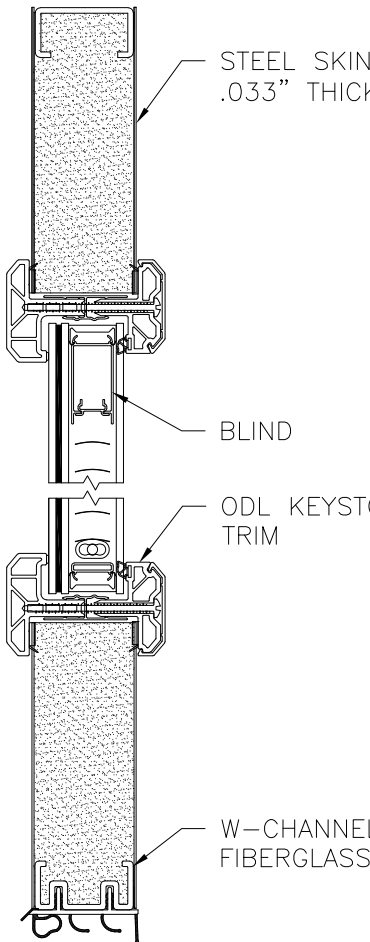
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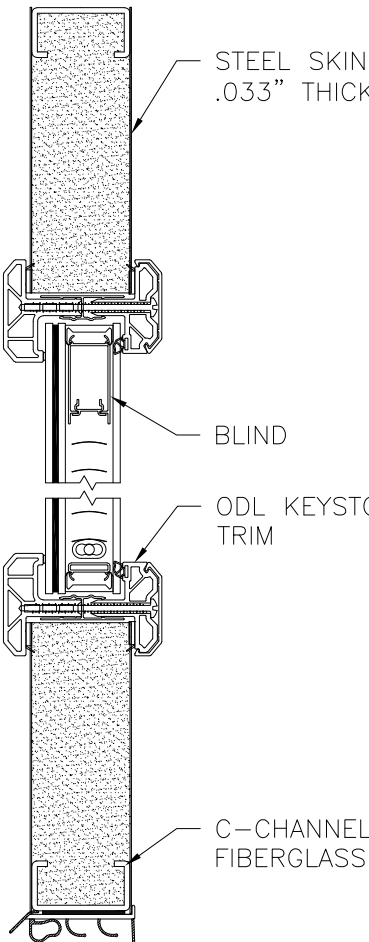
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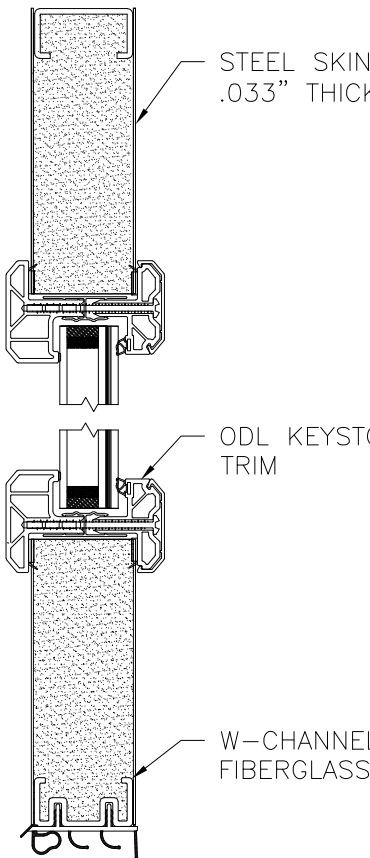
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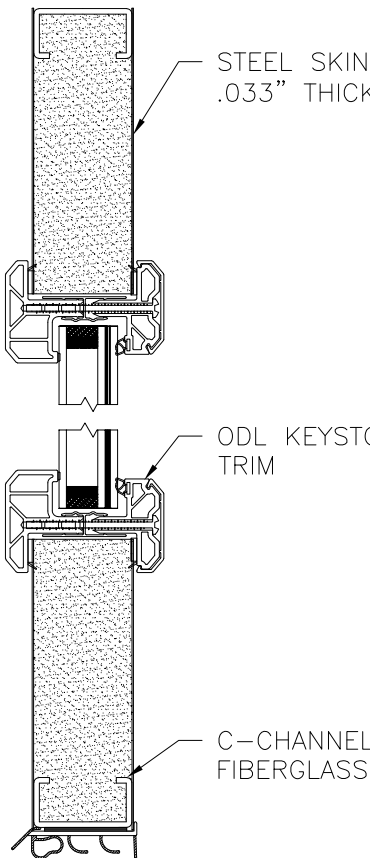
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PANEL OPTION 16



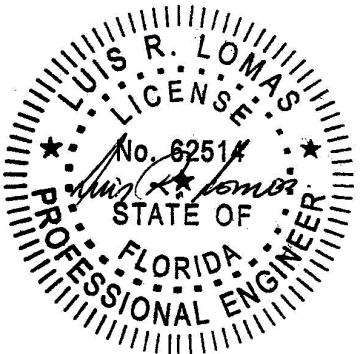
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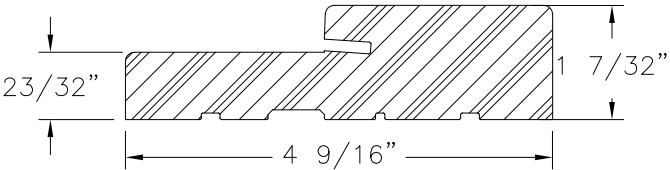
PROVIA, LLC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
STEEL INSWING GLAZED SINGLE DOOR W/SIDELITES – IMPACT APPROVED SLABS		
DRAWN: A.P.	DWG NO. 08-01937	REV I
SCALE NTS	DATE 03/20/13	SHEET 13 OF 14
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

SIGNED: 08/27/2024

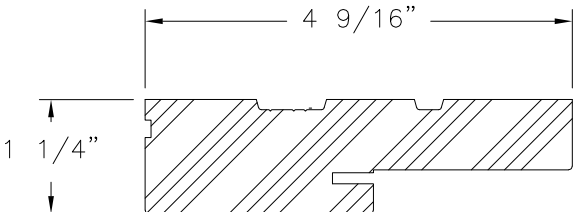


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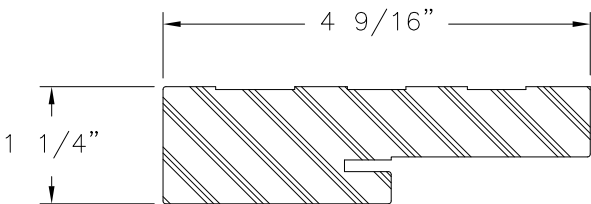
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
I	REVISE TO ADD ODL KEYSTONE TRIM	08/20/2024	R.L.



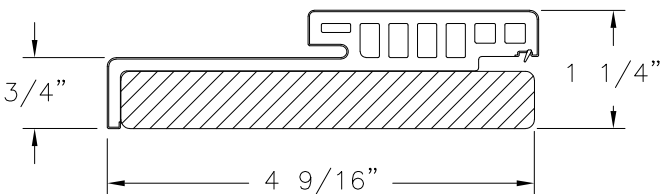
**FRAMESAVER
COMPOSITE**



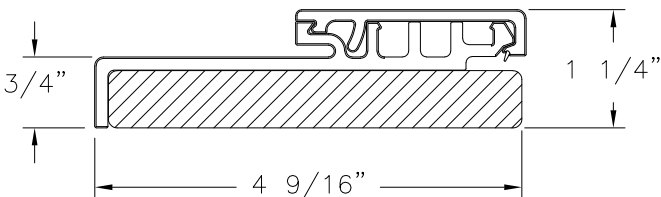
COMPOSITE FRAME PROFILE



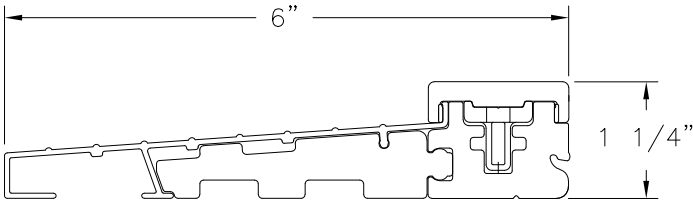
WOOD FRAME PROFILE



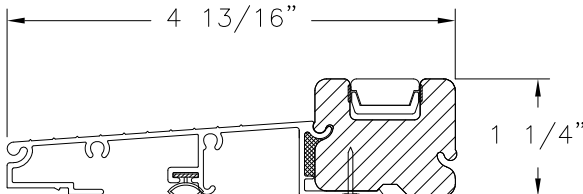
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WOOD/COMPOSITE**



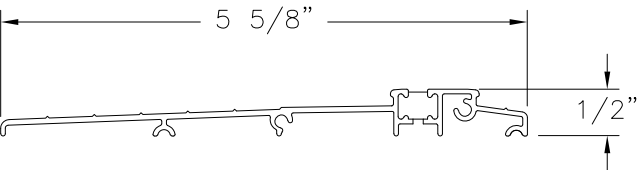
**HYBRID JAMB
WOOD/COMPOSITE**



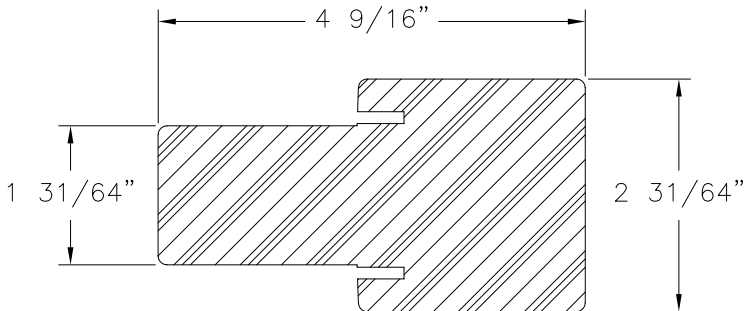
STANDARD INSWING THRESHOLD



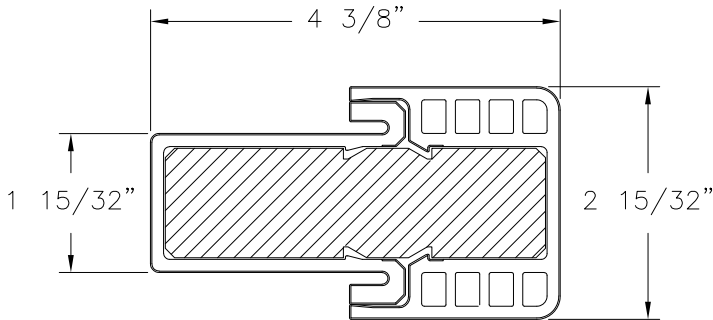
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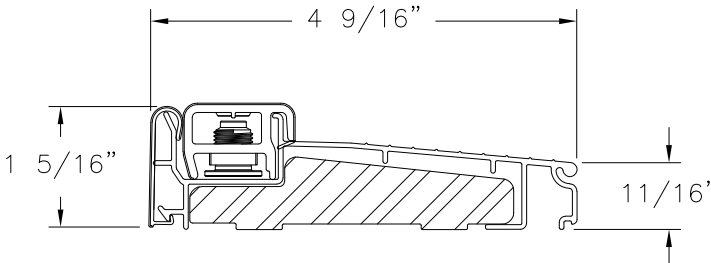
ADA THRESHOLD



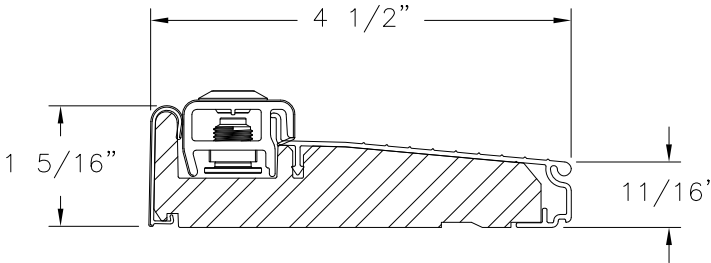
**FAT BOY MULLION
COMPOSITE**



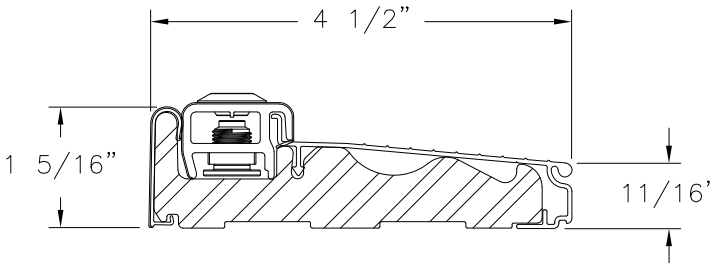
**HYBRID FAT BOY MULLION
COMPOSITE**



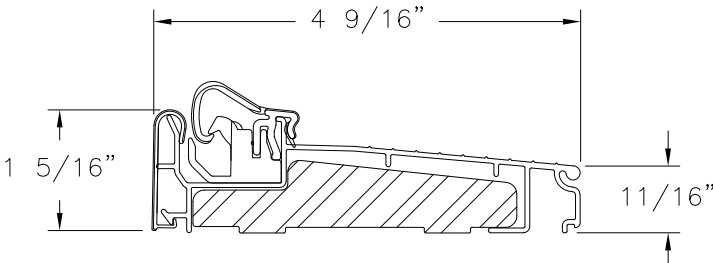
INSWING SILL ZAIL4565



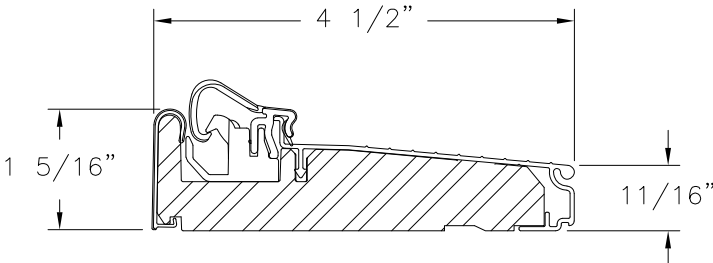
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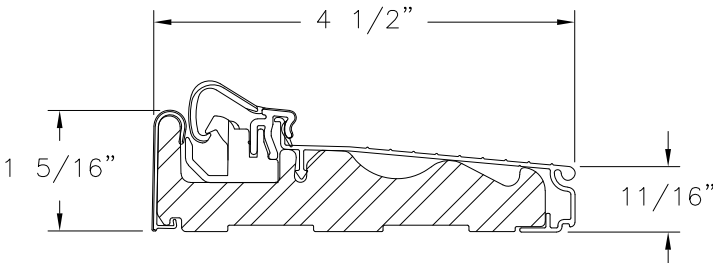
INSWING SILL ZAILH4565



INSWING SILL ZA4565



INSWING SILL ZAC4565F



INSWING SILL ZA4565H

PROVIA, LLC.
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STEEL INSWING GLAZED SINGLE DOOR
W/SIDELITES – IMPACT
COMPONENTS

DRAWN:
A.P.

DWG NO.
08-01937

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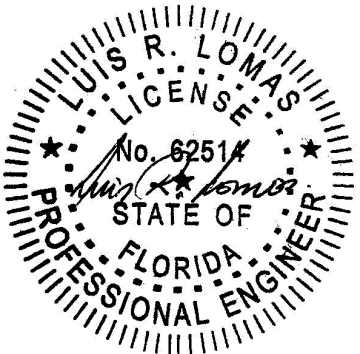
SCALE NTS

DATE 03/20/13

SHEET 14 OF 14

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SIGNED: 08/27/2024



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