

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
K	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)
7. UNITS MUST BE GLAZED PER ASTM E1300, SEE SHEET 7 FOR GLASS DETAILS.
8. APPROVED IMPACT PROTECTIVE SYSTEM IS NOT 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 #8 WOOD SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/4” 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 #8 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.A. WOOD – MINIMUM SPECIFIC GRAVITY OF G=0.42
14.B. CONCRETE – MINIMUM COMPRESSIVE STRENGTH OF 3,192 PSI.
14.C. MASONRY – GROUT FILLED STRENGTH CONFORMANCE TO ASTM C–90, GRADE N, TYPE 1 (OR GREATER).
14.D. 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 DOOR – SINGLE & DOUBLE
IMPACT
NOTES

DRAWN:
V.L.

DWG NO.
08–01957

REV
K

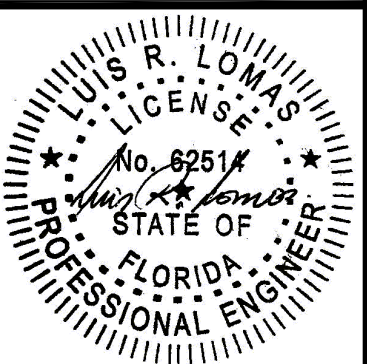
SCALE NTS

DATE 03/05/13

SHEET 1 OF 11

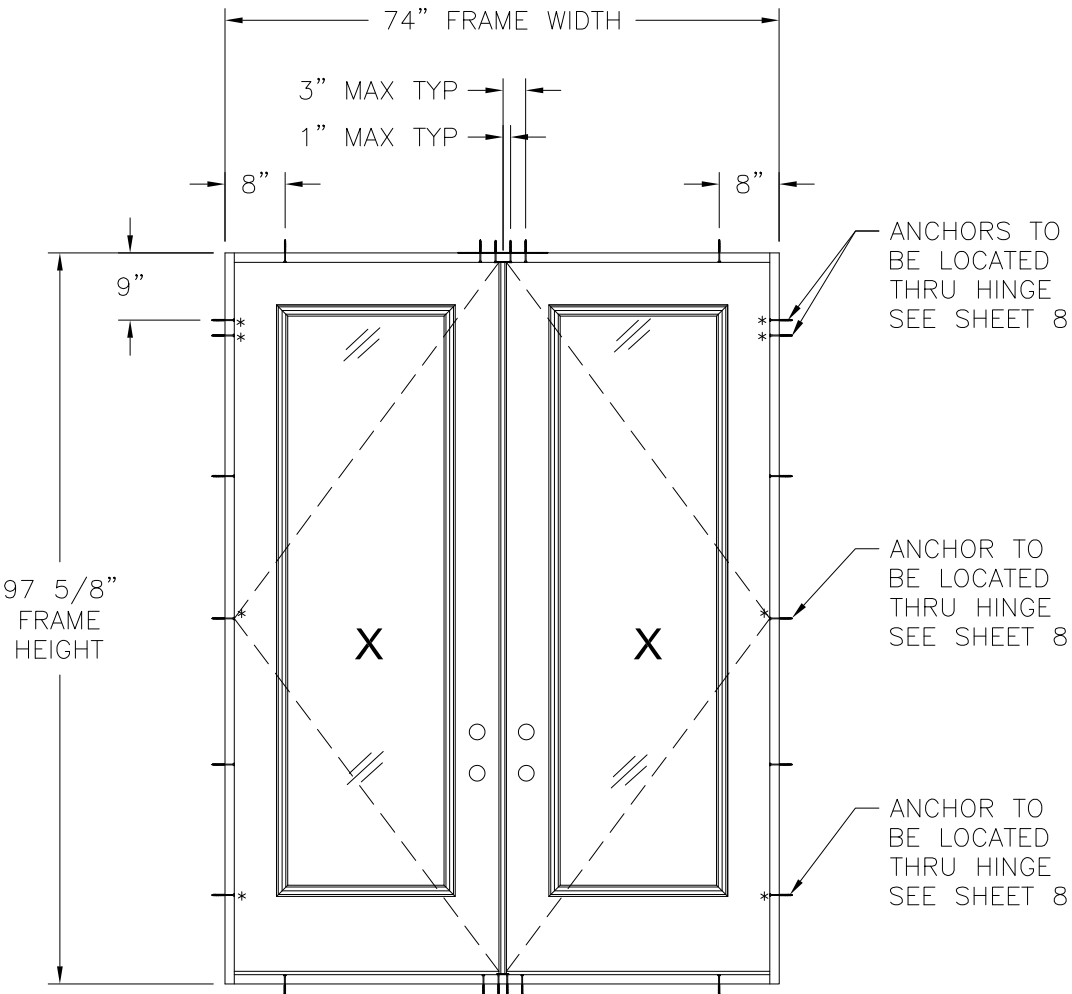
L. ROBERTO LOMAS P.E.
208 7th Ave, INDIALANTIC, FL 32903
434-688-0609 rllomas@lrlomaspe.com

SIGNED: 08/27/2024

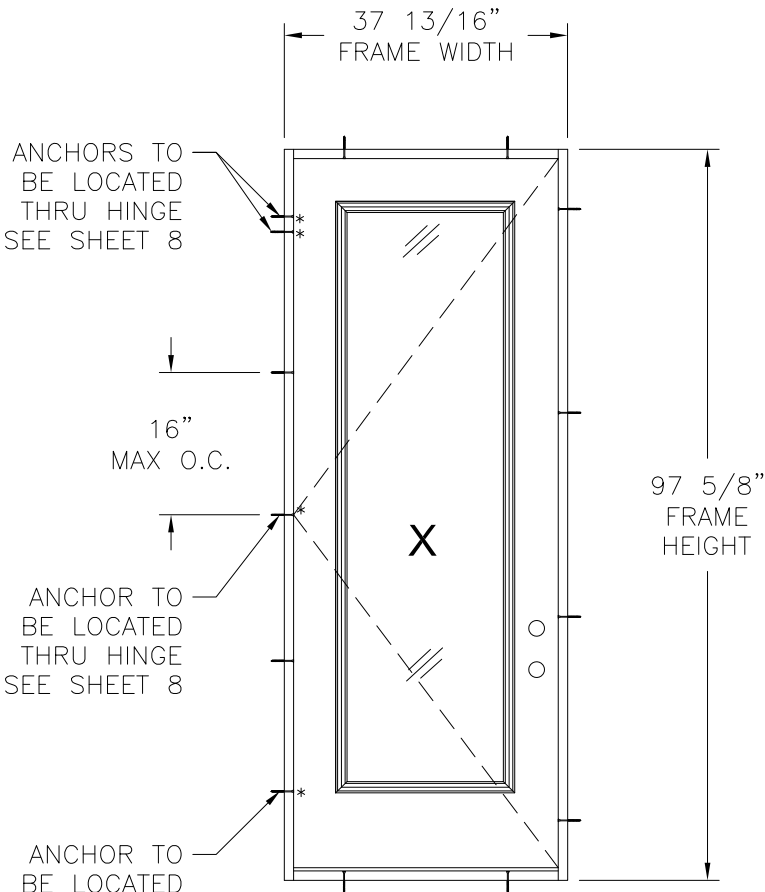


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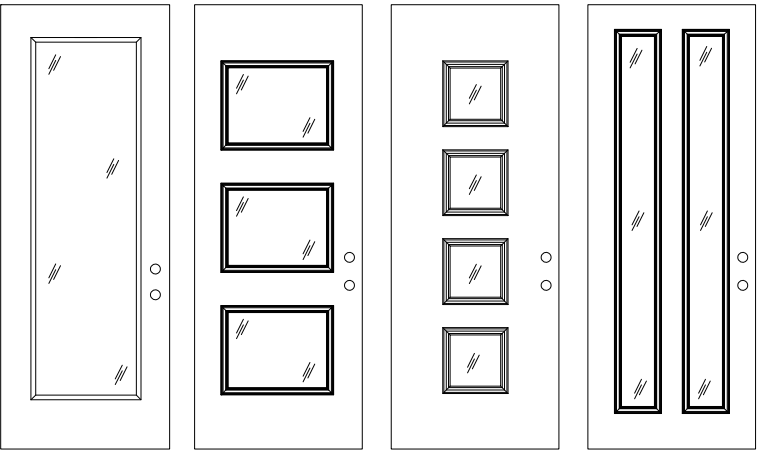


DOUBLE DOOR



SINGLE DOOR

APPROVED LITE CONFIGURATIONS



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

WITH PANOLOCK MULTI-POINT	
DESIGN PRESSURE RATING	IMPACT RATING
±50.0PSF	LARGE MISSILE IMPACT

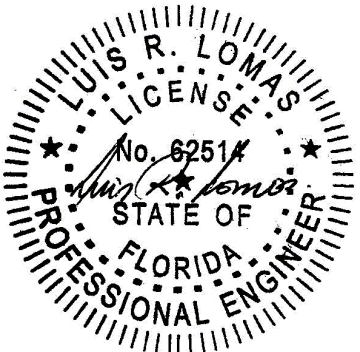
MISSILE LEVEL D, WIND ZONE 3

HARDWARE SCHEDULE
A. F-SERIES ASSEMBLY DOOR KNOB BY SCHLAGE.
B. B-SERIES DEADBOLT ASSEMBLY BY SCHLAGE
C. F-SERIES DEADBOLT ASSEMBLY BY SCHLAGE
D. EMTEK RESIDENTIAL GRADE DOOR HANDLE ASSEMBLY (ALTERNATE)
E. TRILLENIUM MULTI-POINT LOCK HANDLE ASSEMBLY (ALTERNATE)
F. PANOLOCK MULTI-POINT LOCK HANDLE ASSEMBLY (ALTERNATE)
G. INSWING HURRICANE ASTRAGAL BY ENDURA
H. (3) 4" X 4" BALL BEARING HINGES BY PENROD
I. (3) 4" X 4" SPRING BOMMER HINGES BY PENROD (ALTERNATE)

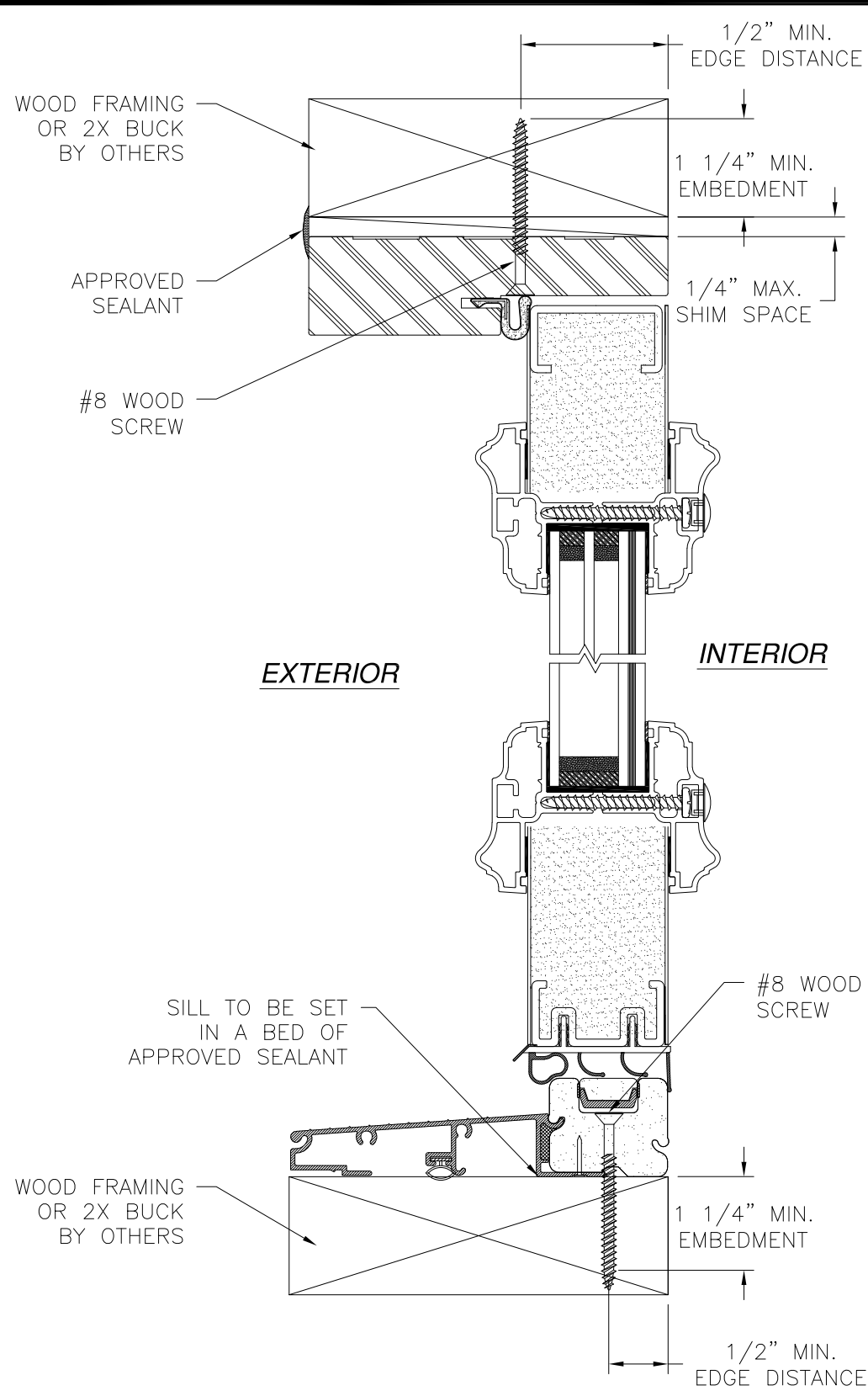
- NOTES;
- HINGES ARE LOCATED AT 10", 50" AND 89" FROM TOP CORNER.
 - APPROVED CONFIGURATIONS MAY BE RIGHT OR LEFT HAND.
 - PANEL SIZE 35 3/4" X 95".
 - D.L.O. 20 3/8" X 78 1/2".
 - JAMBS ARE ASSEMBLED TO HEAD FRAME WITH (3) #8X3" WOOD SCREWS AT EACH JAMB.
 - JAMBS ARE ASSEMBLED TO THRESHOLD WITH (3) #6X1-1/2" WOOD SCREWS AT EACH JAMB.

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STEEL INSWING GLAZED DOOR – SINGLE & DOUBLE IMPACT ELEVATIONS		
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SCALE NTS	DATE 03/05/13	SHEET 2 OF 11
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

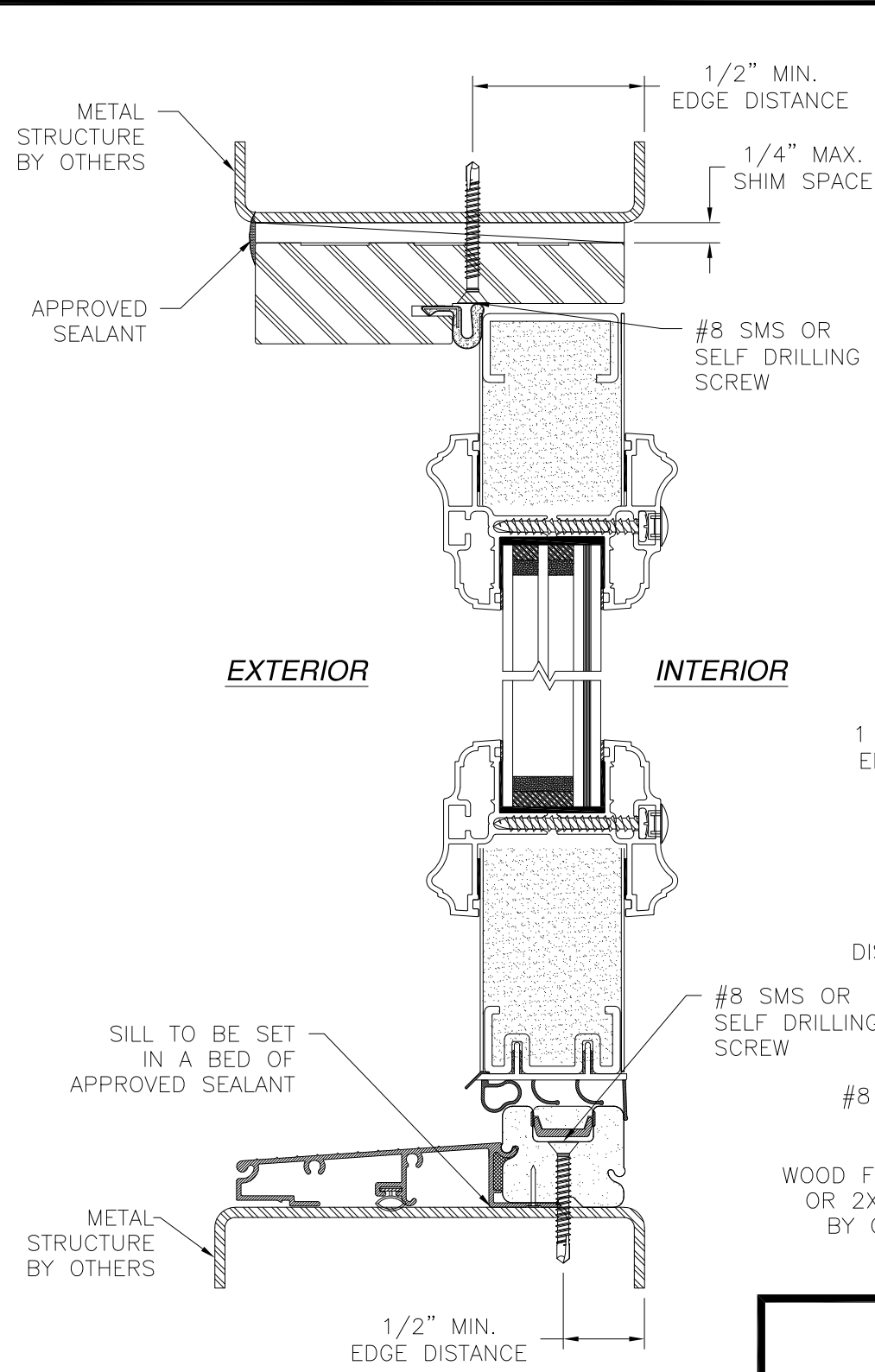
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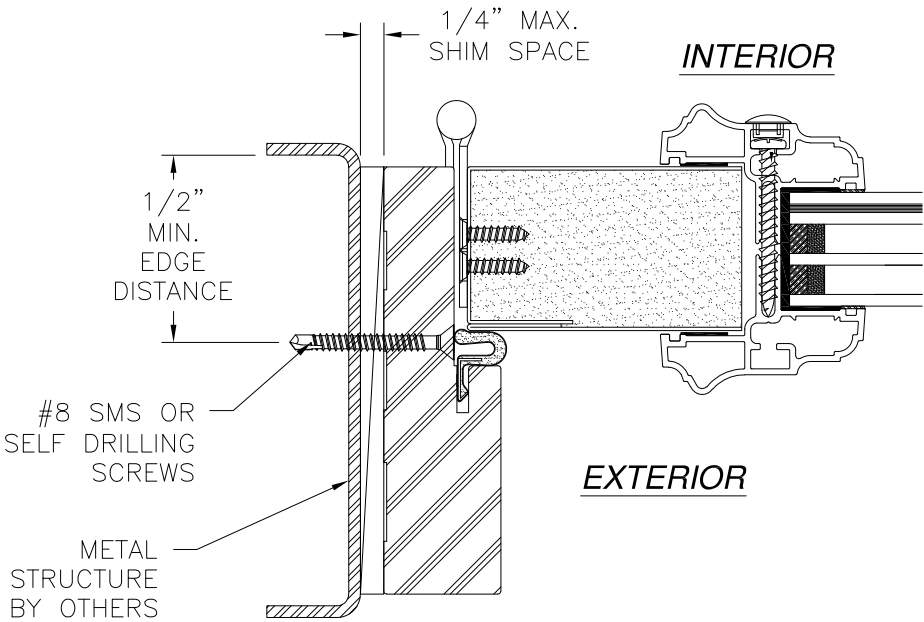
VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION



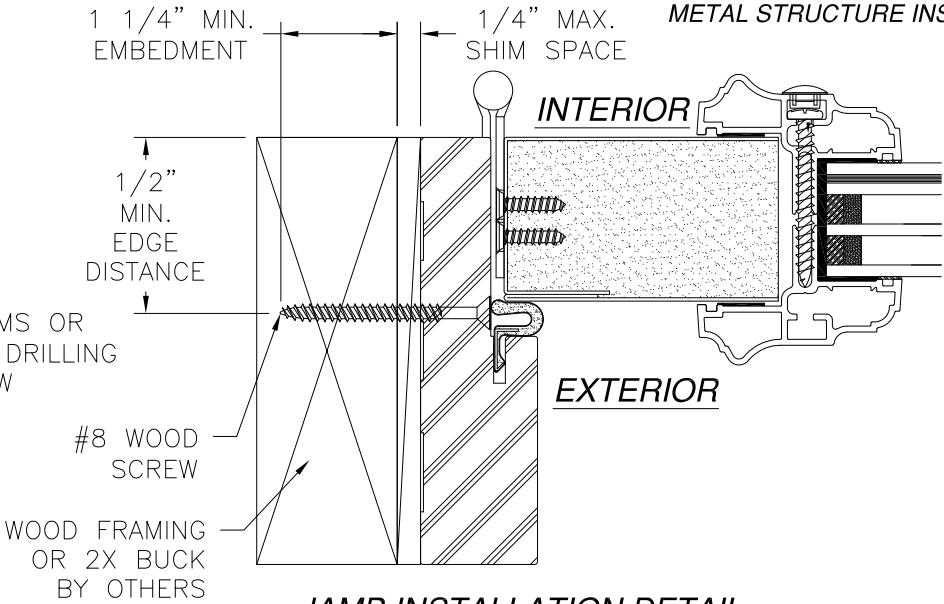
VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION

- 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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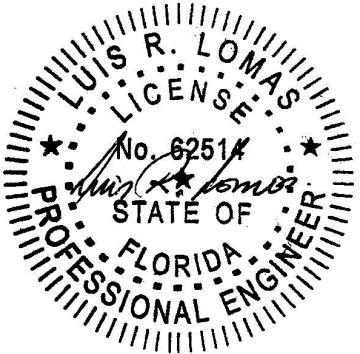
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METAL STRUCTURE INSTALLATION



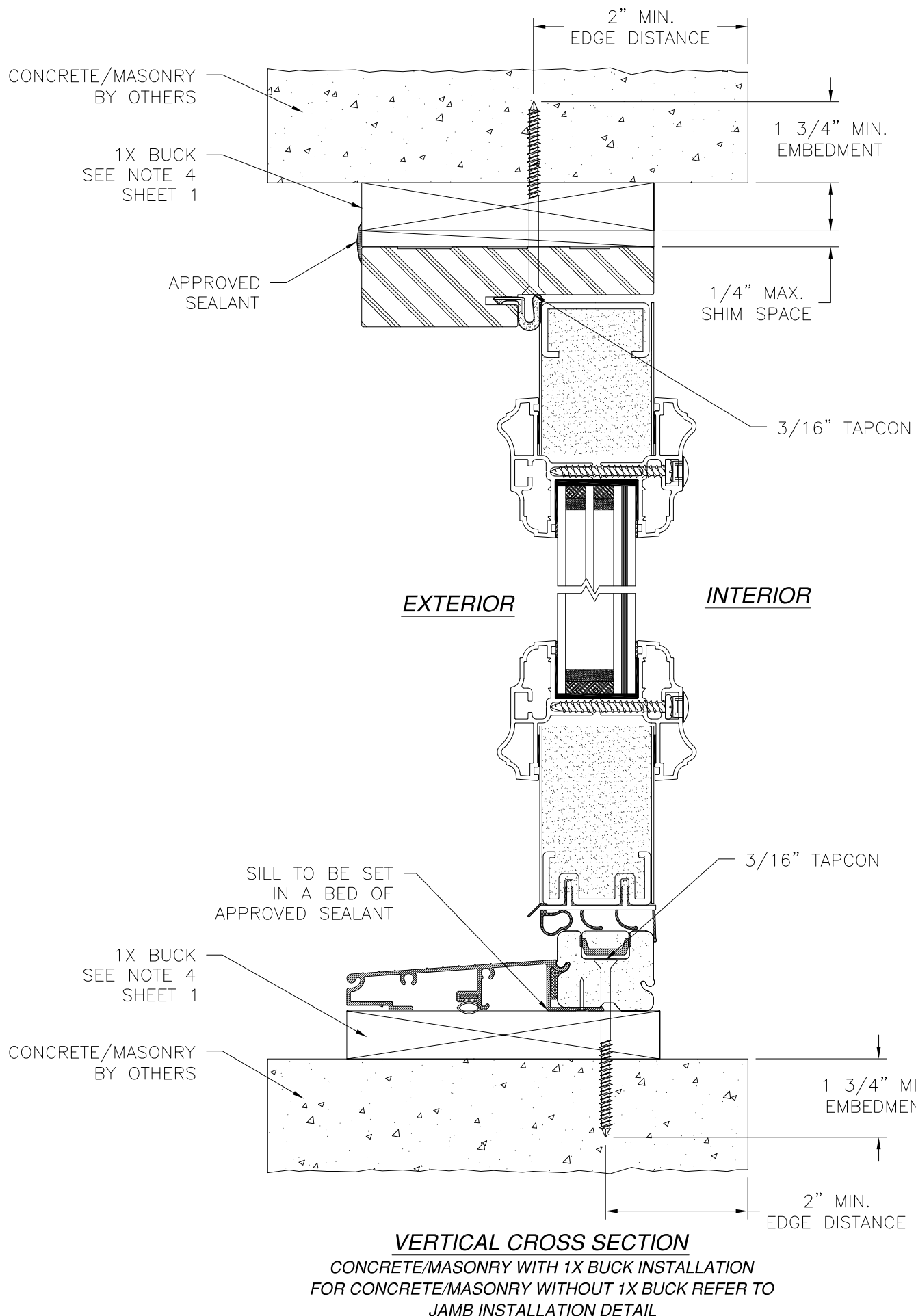
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WOOD FRAMING OR 2X BUCK INSTALLATION SIGNED: 08/27/2024

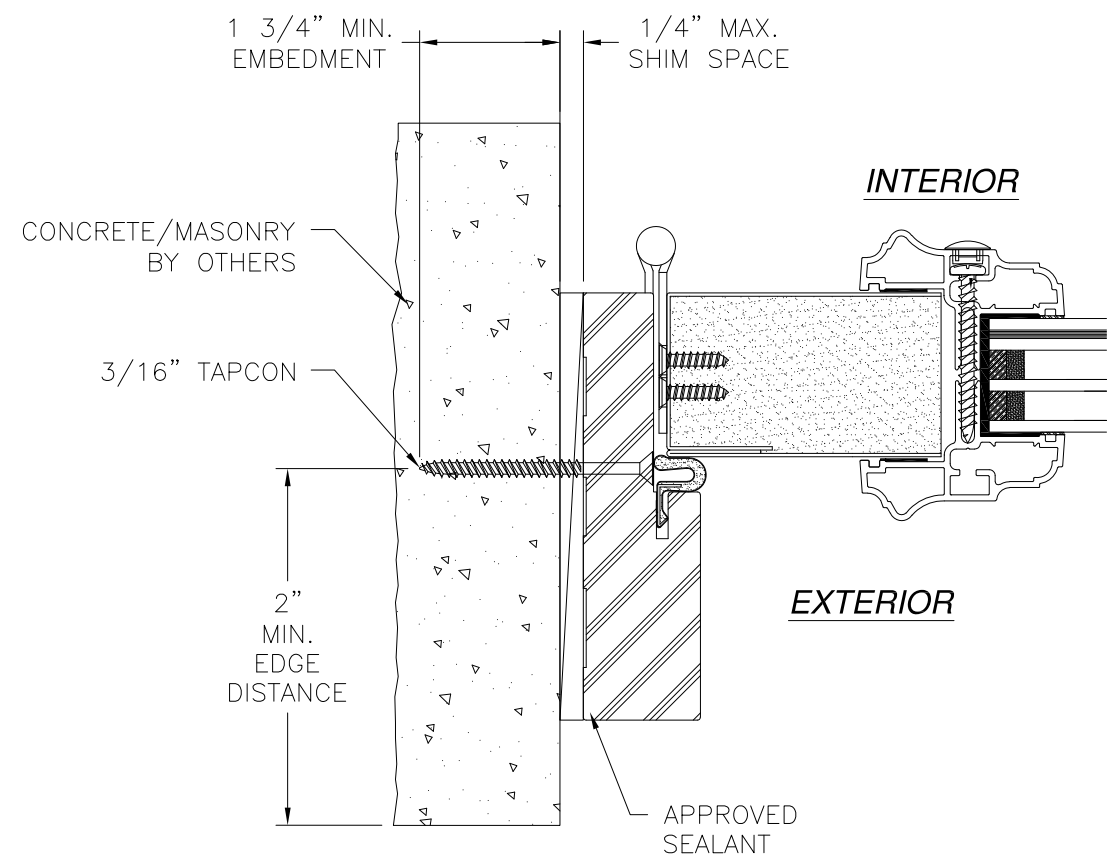
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JAMB INSTALLATION DETAIL
CONCRETE/MASONRY WITHOUT 1X BUCK INSTALLATION
FOR CONCRETE/MASONRY INSTALLATION WITH 1X BUCK REFER TO
HEAD AND SILL INSTALLATION DETAILS

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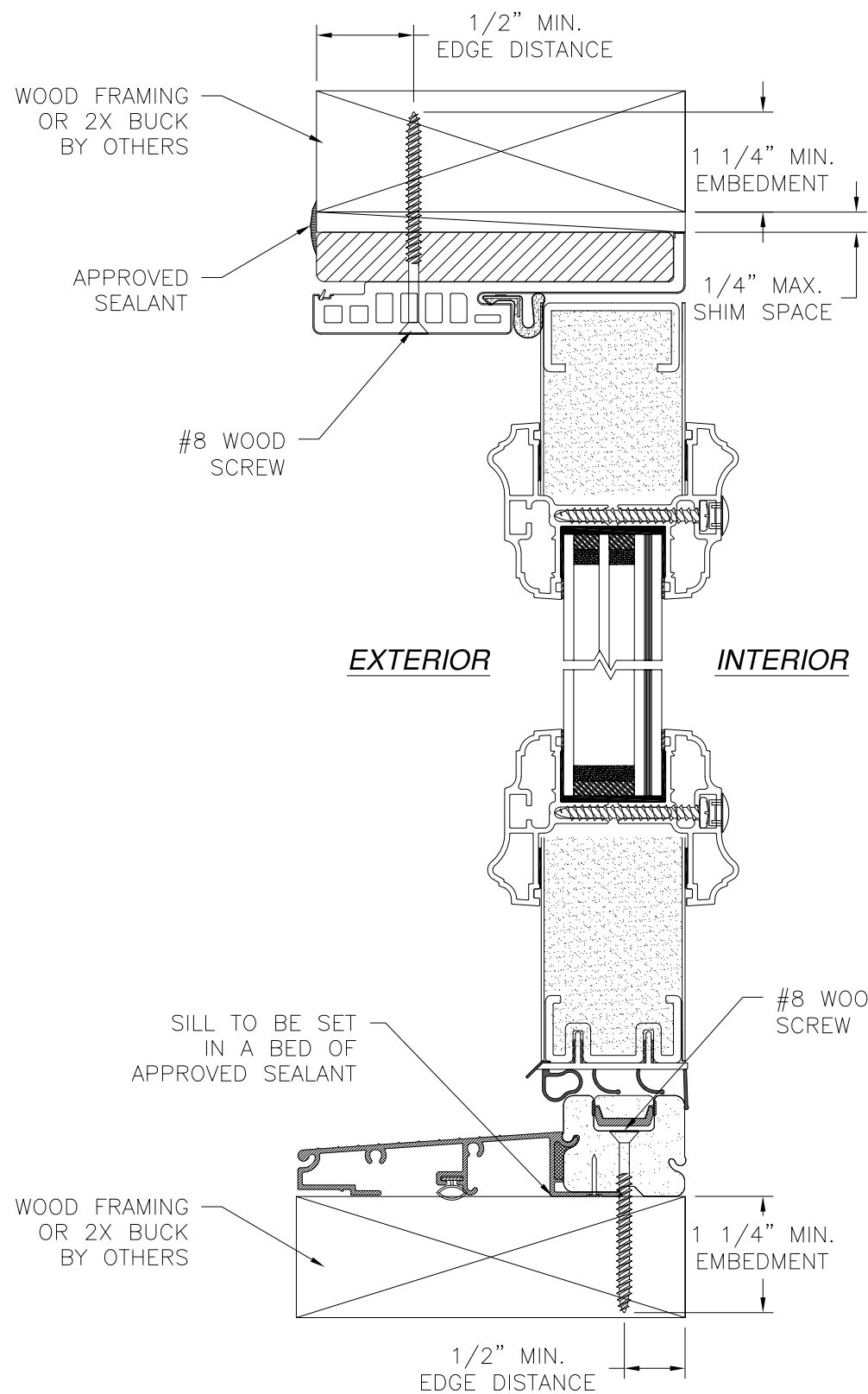
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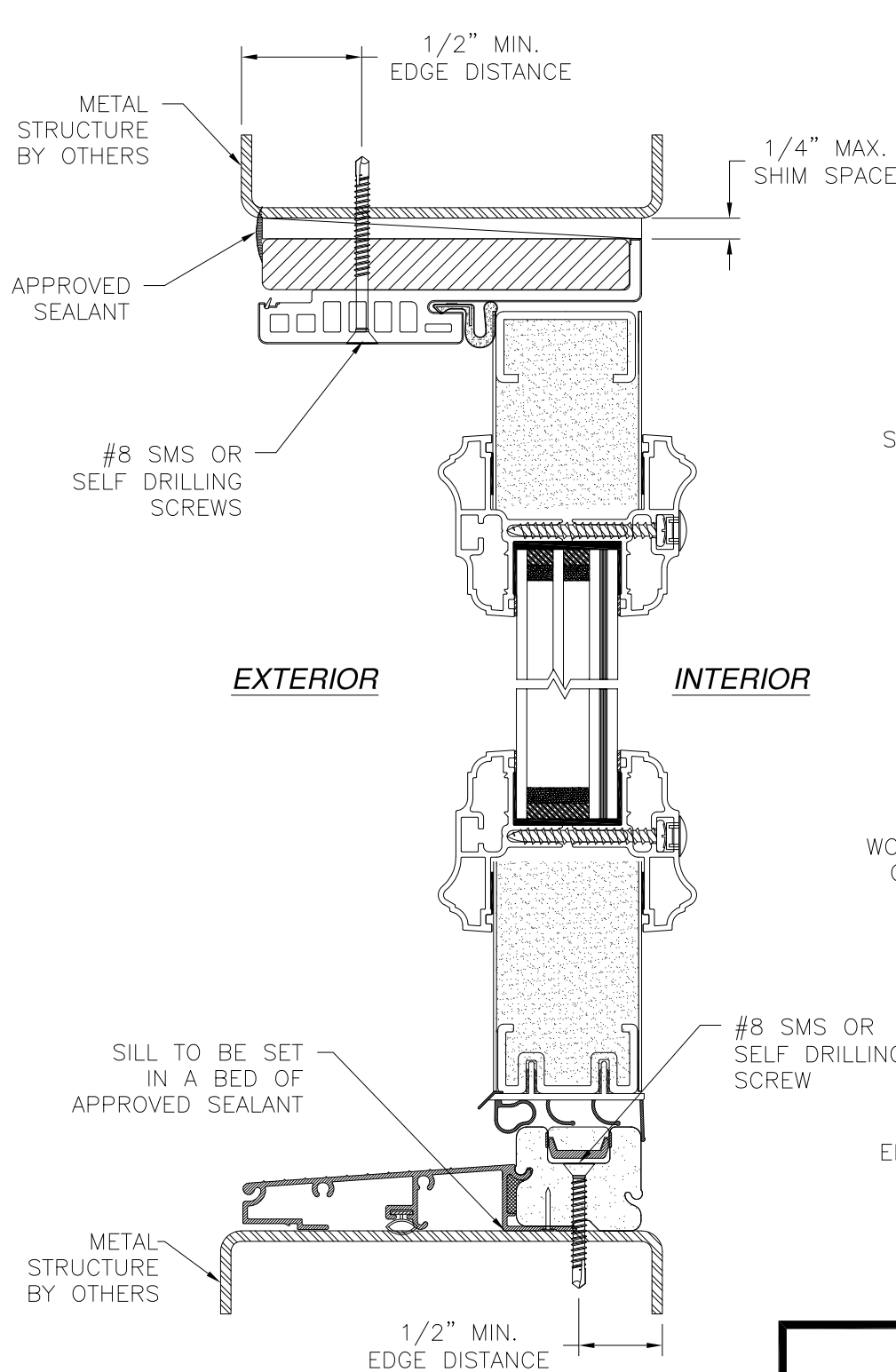
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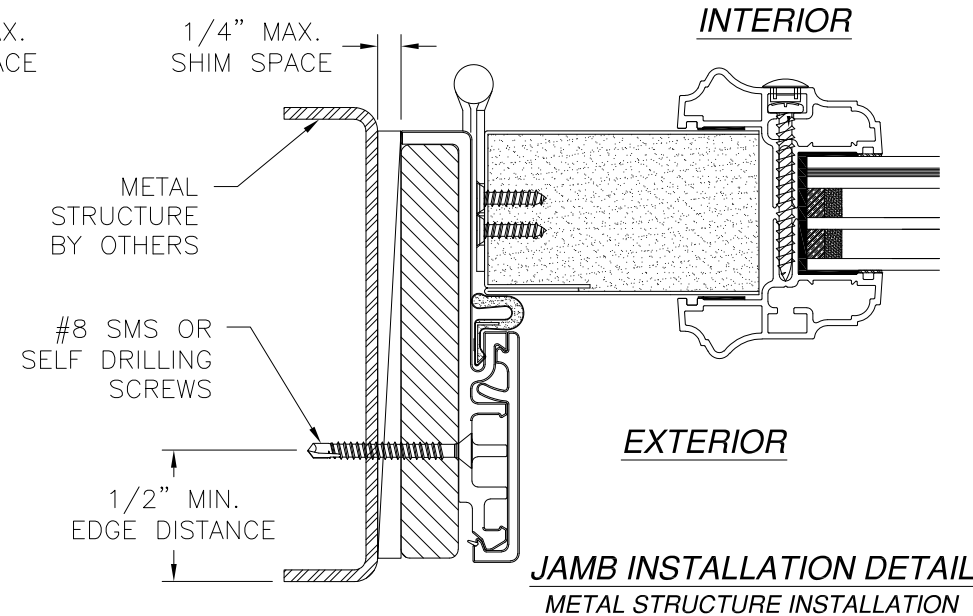
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WOOD FRAMING OR 2X BUCK INSTALLATION



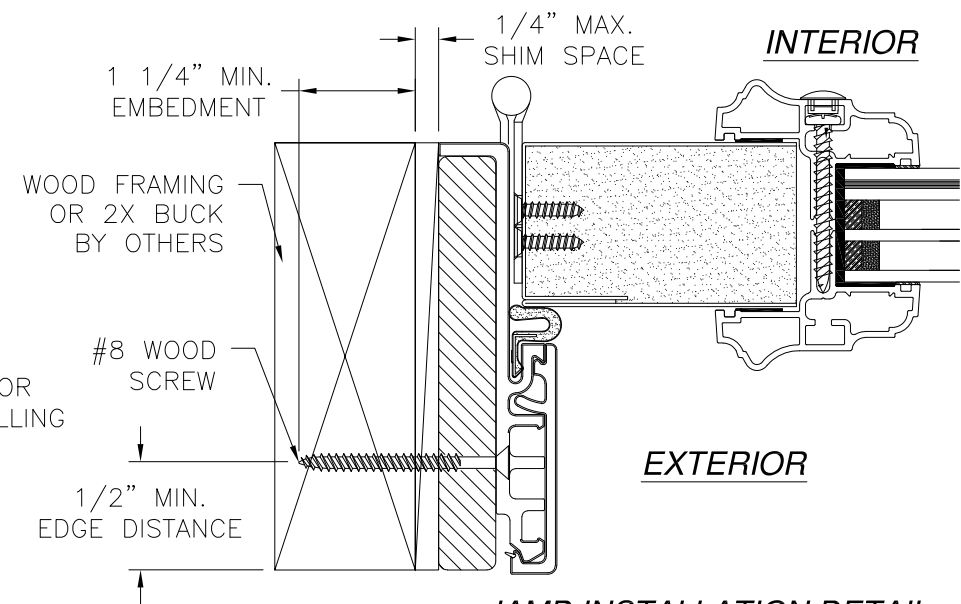
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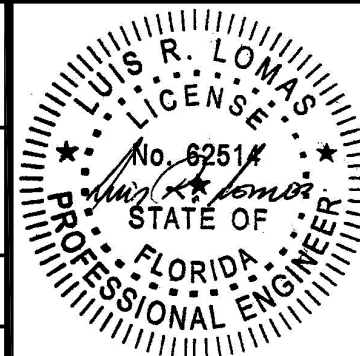
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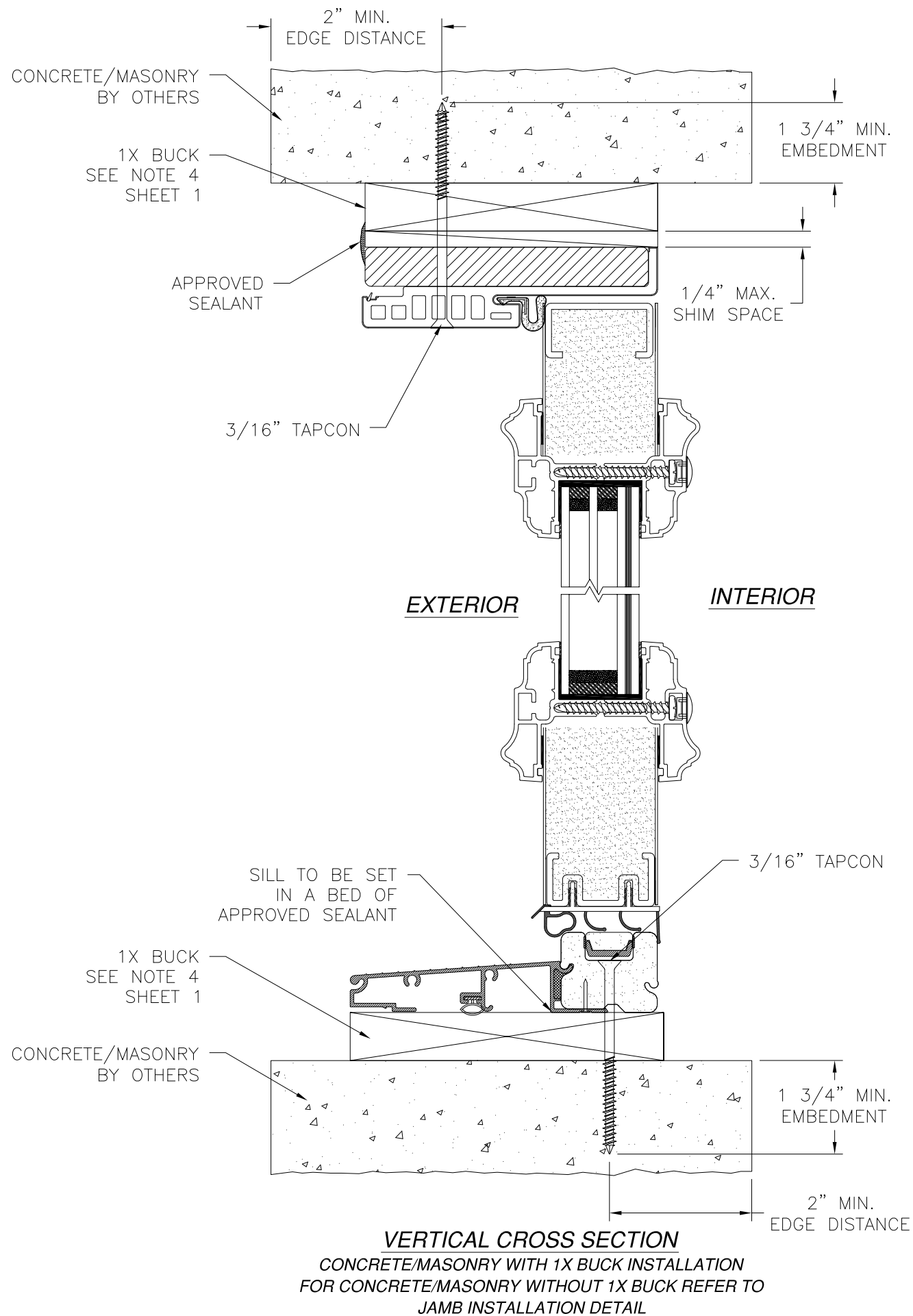
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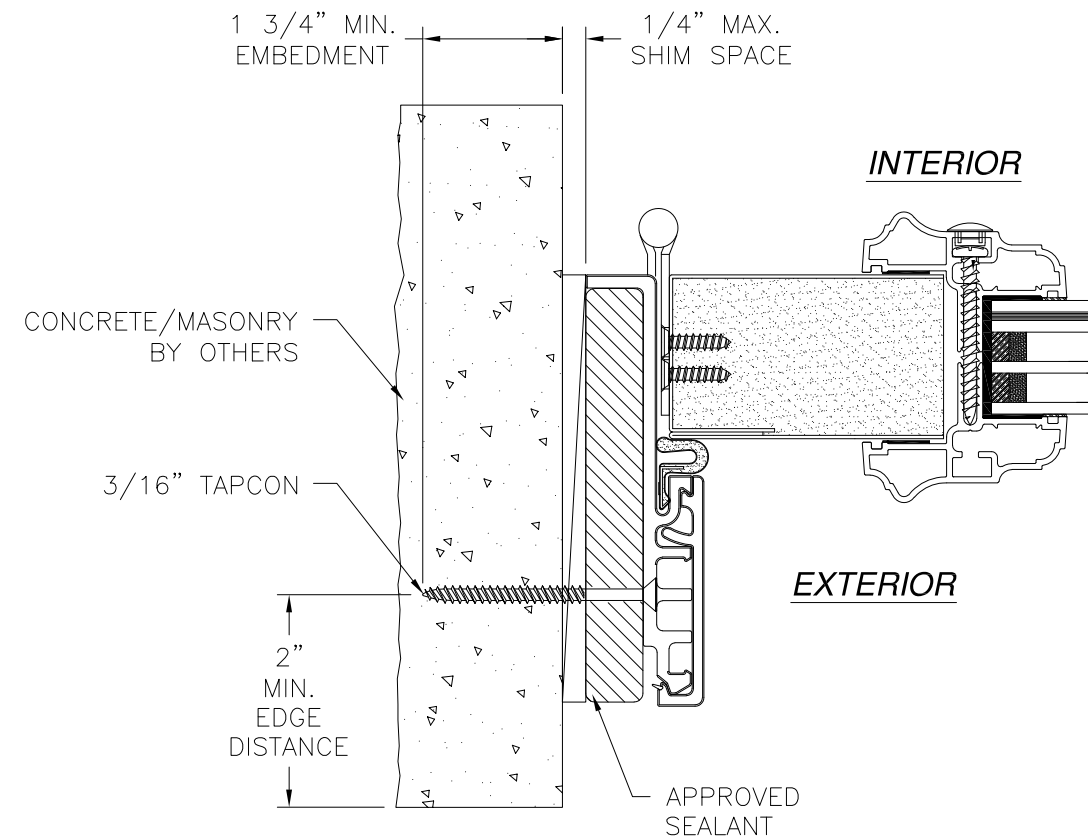
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STEEL INSWING GLAZED DOOR – SINGLE & DOUBLE IMPACT INSTALLATION DETAILS W/FUSION FRAME		
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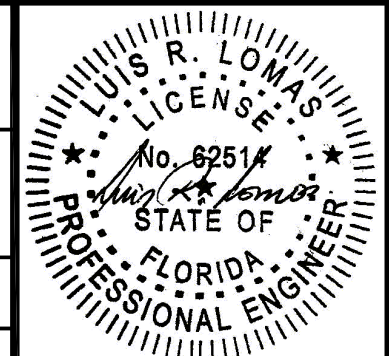


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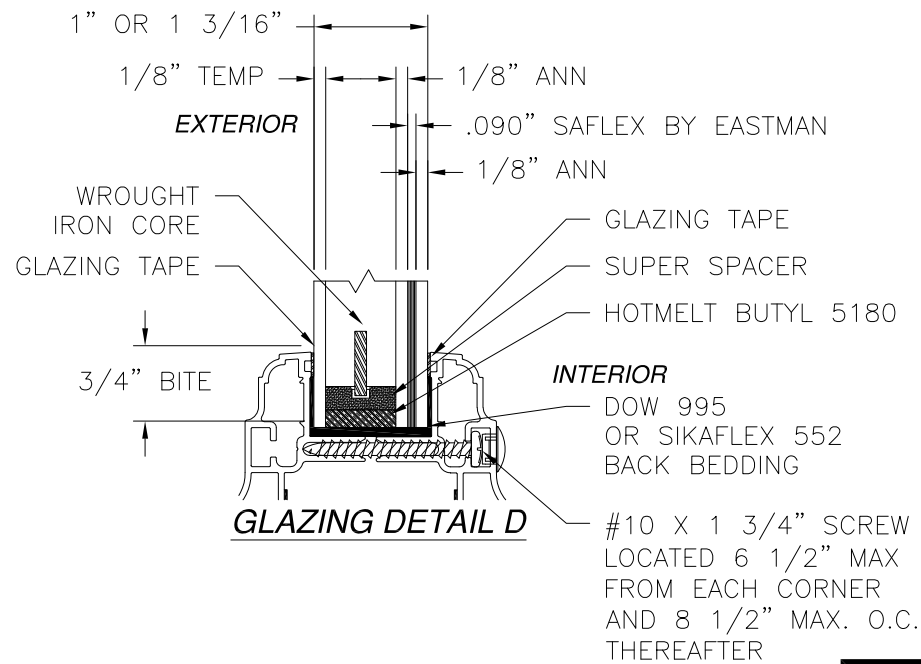
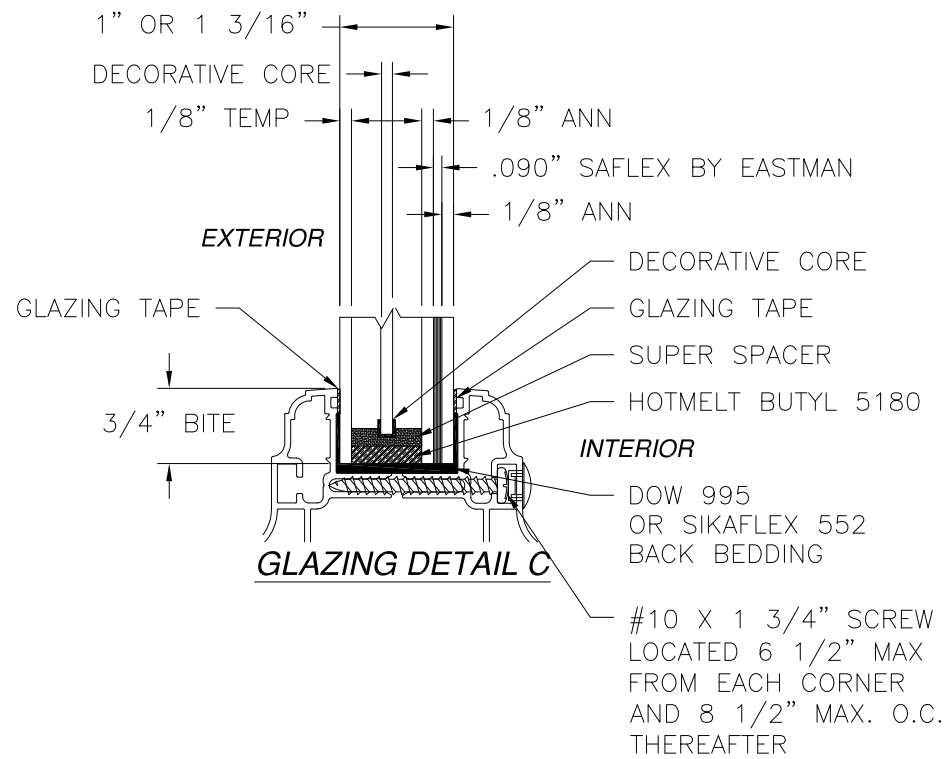
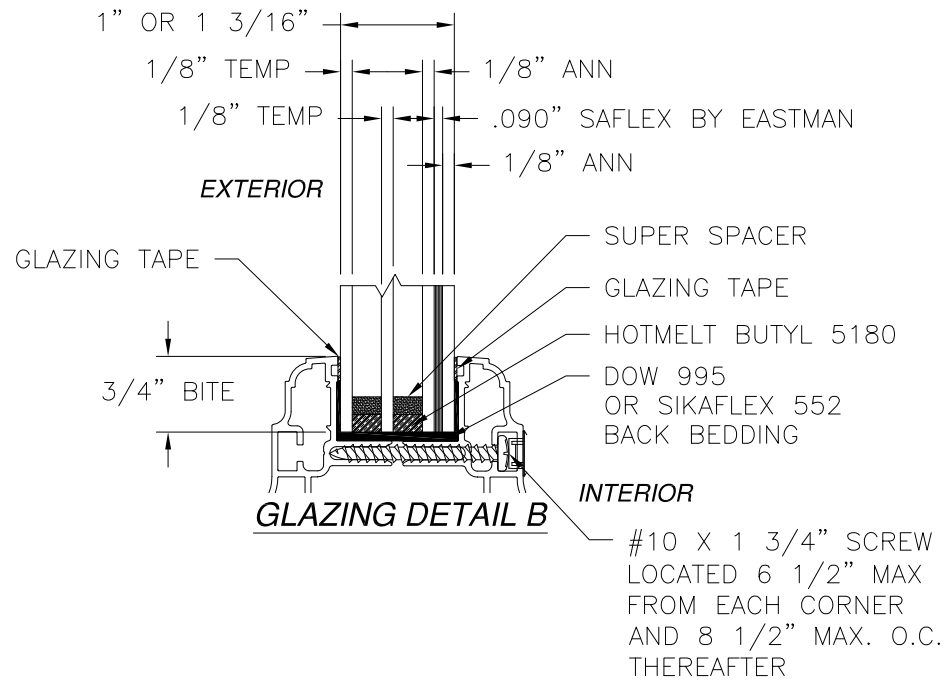
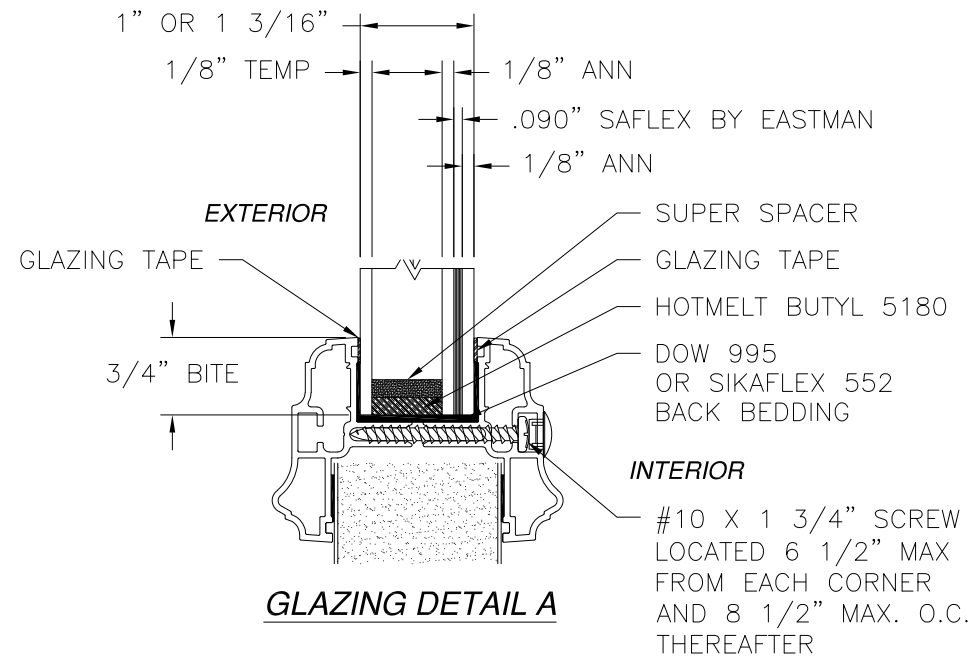
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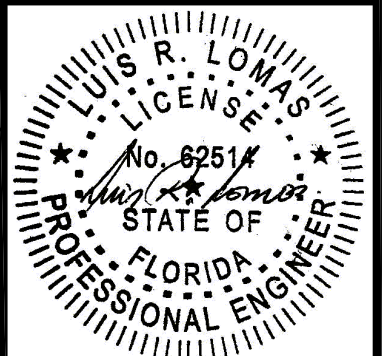
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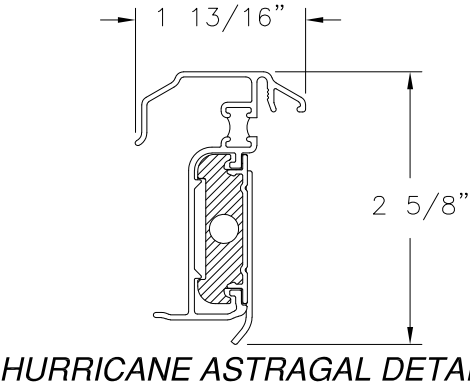
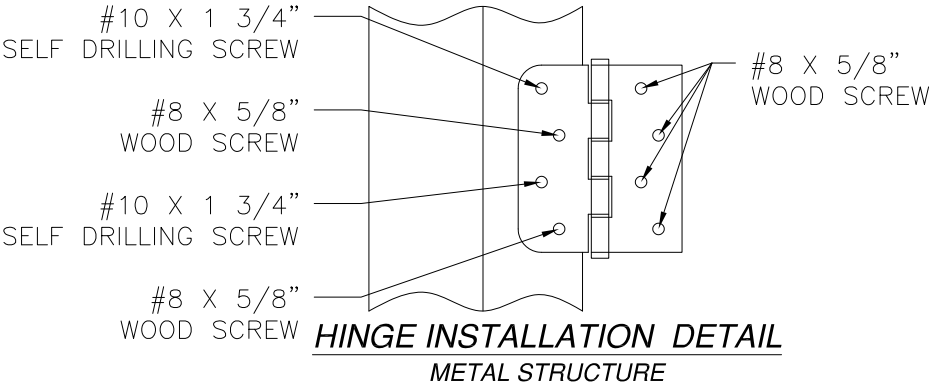
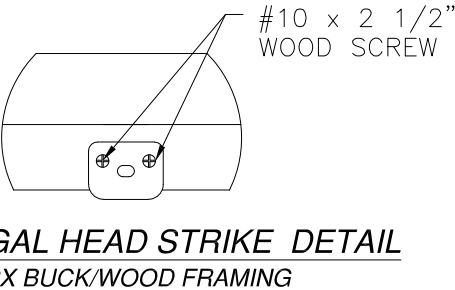
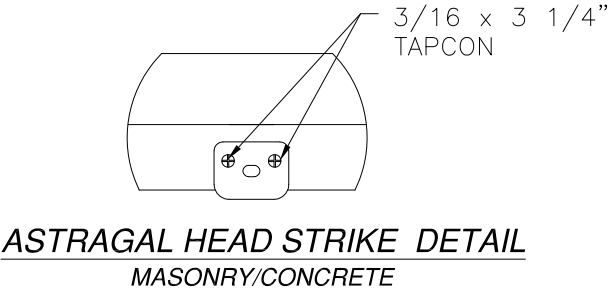
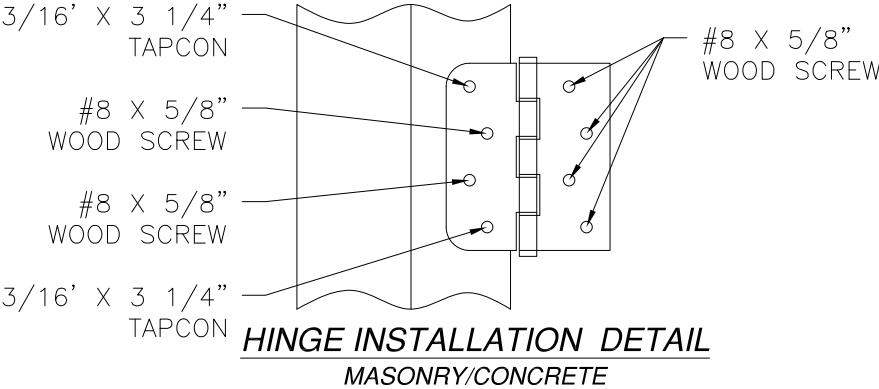
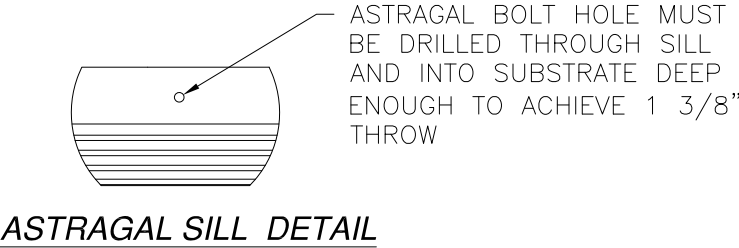
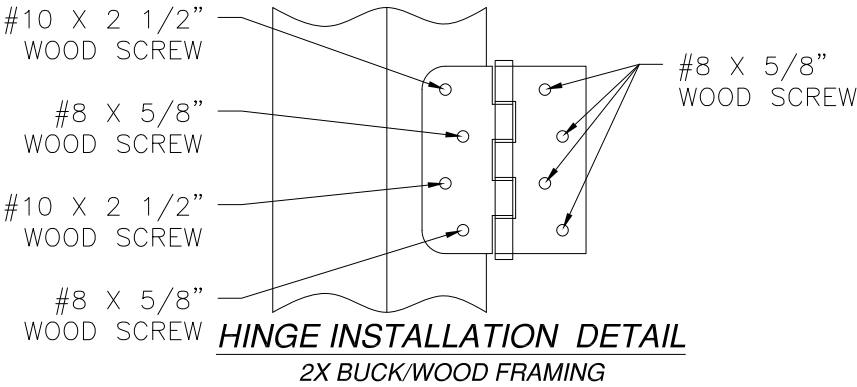
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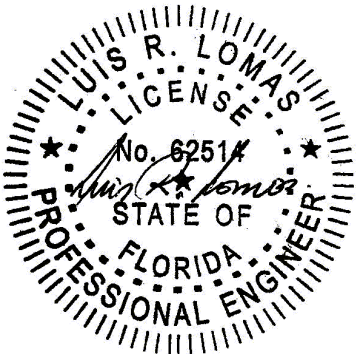
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SHEET 8 OF 11

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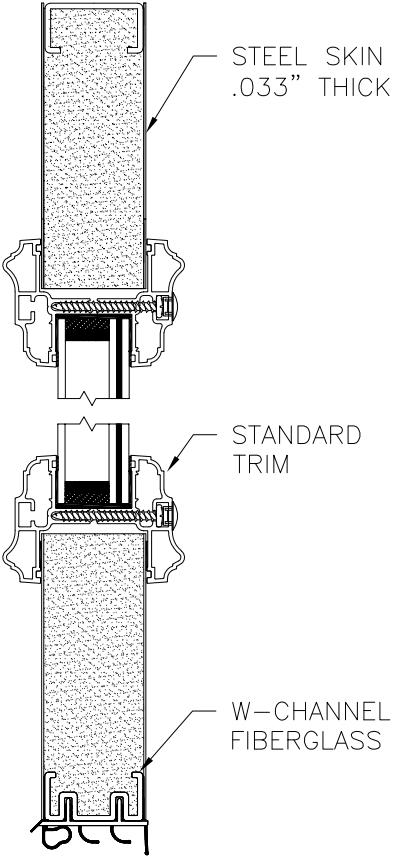
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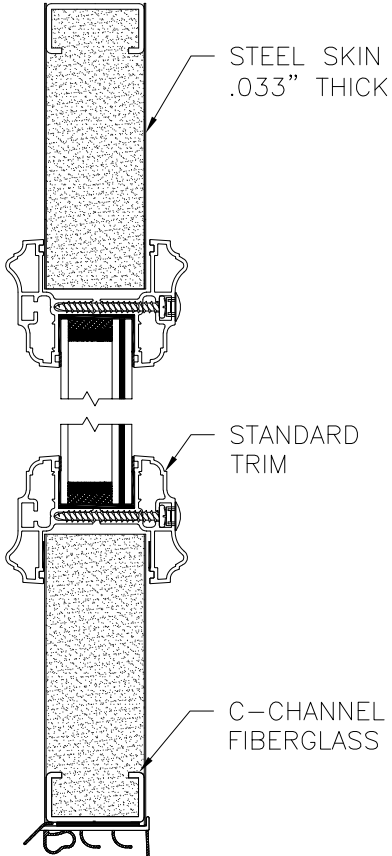
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APPROVED SLABS AND TRIMS

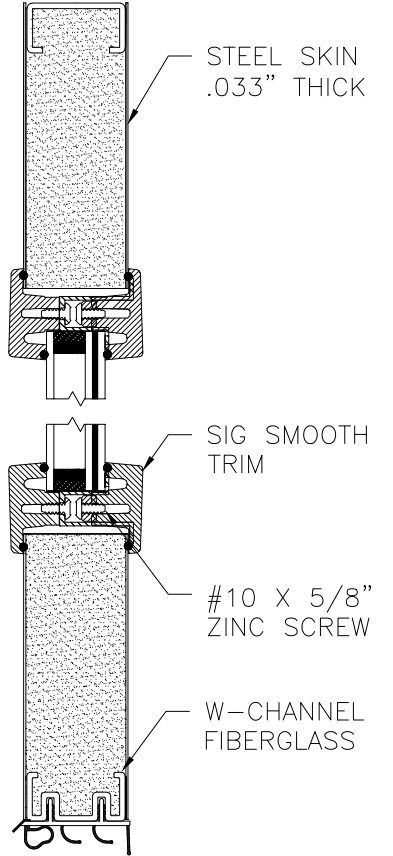
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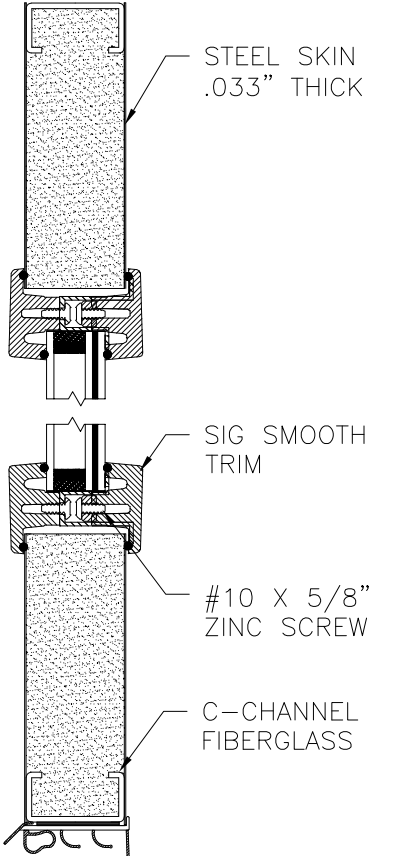
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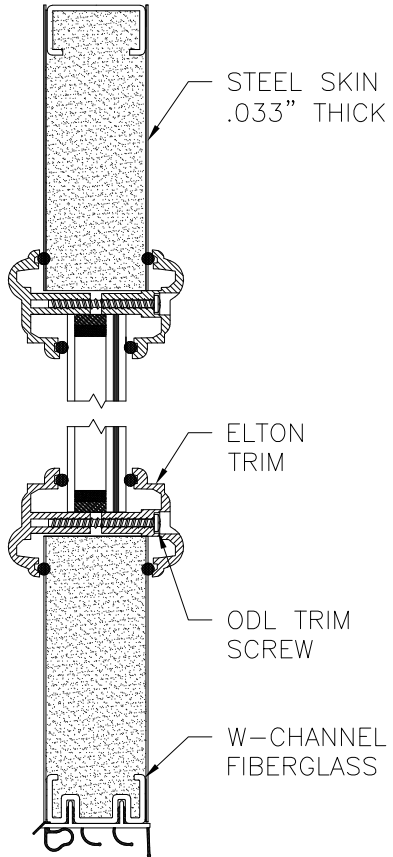
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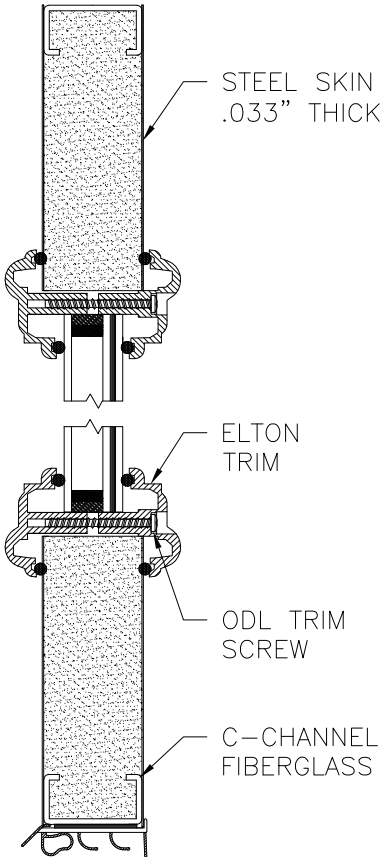
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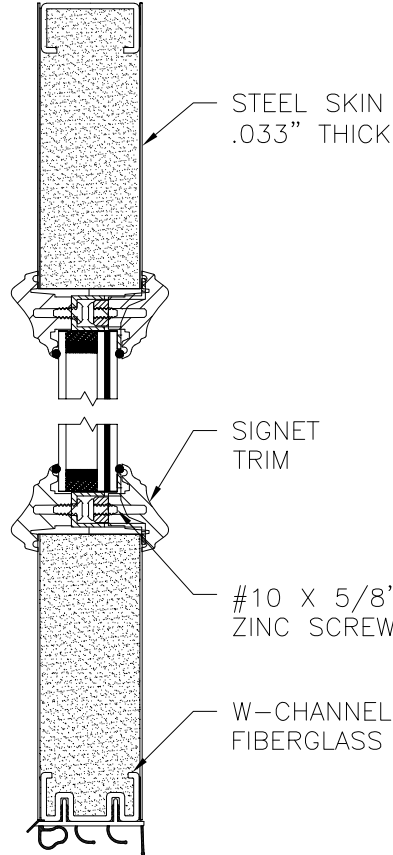
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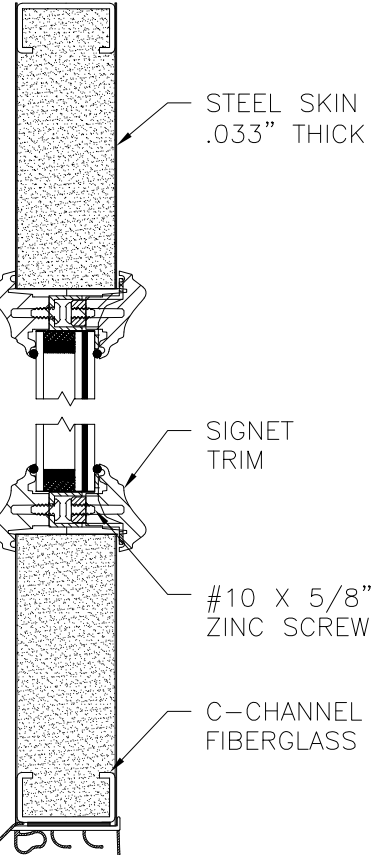
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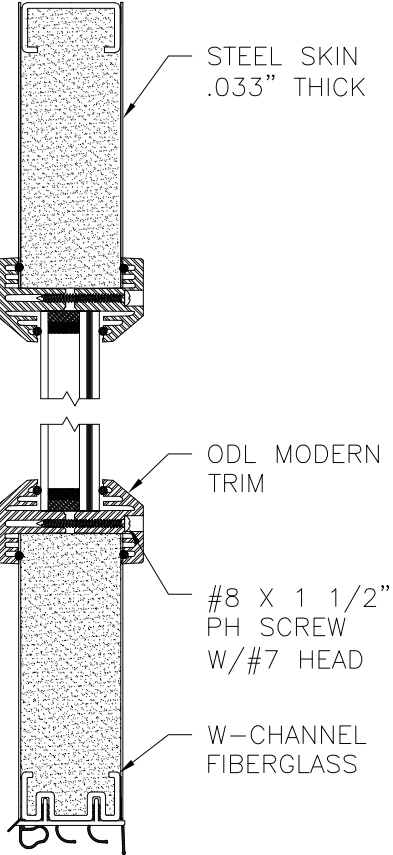
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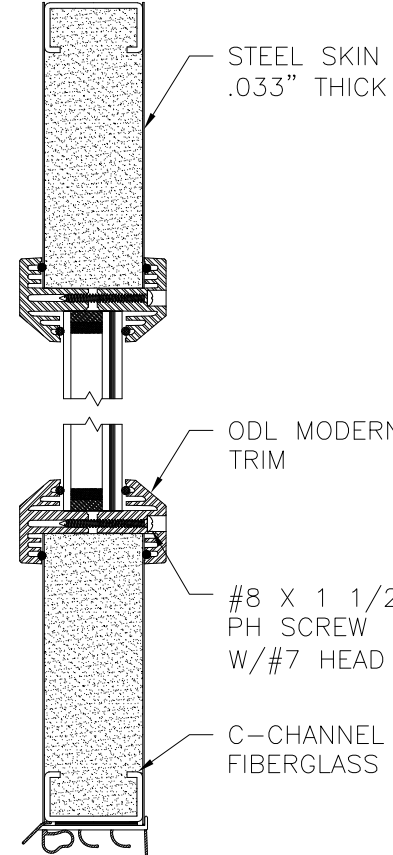
PANEL OPTION 5



PANEL OPTION 6



PANEL OPTION 7



PANEL OPTION 8

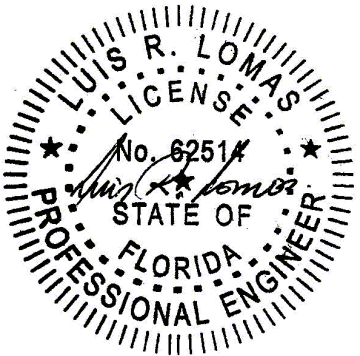
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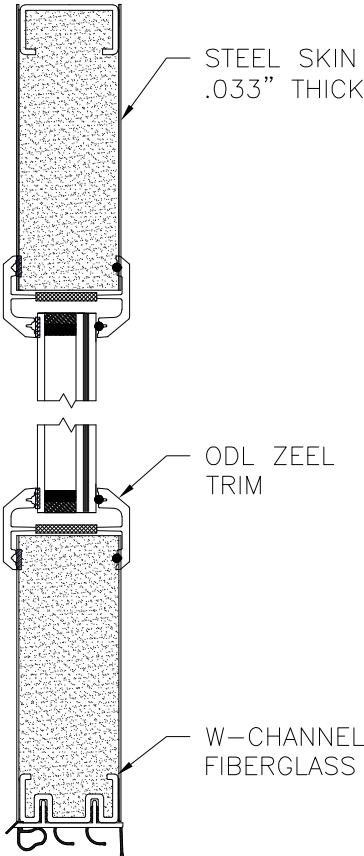
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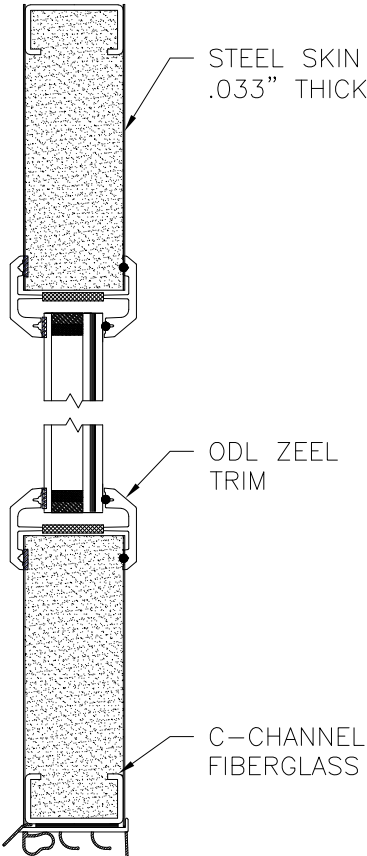
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APPROVED SLABS AND TRIMS

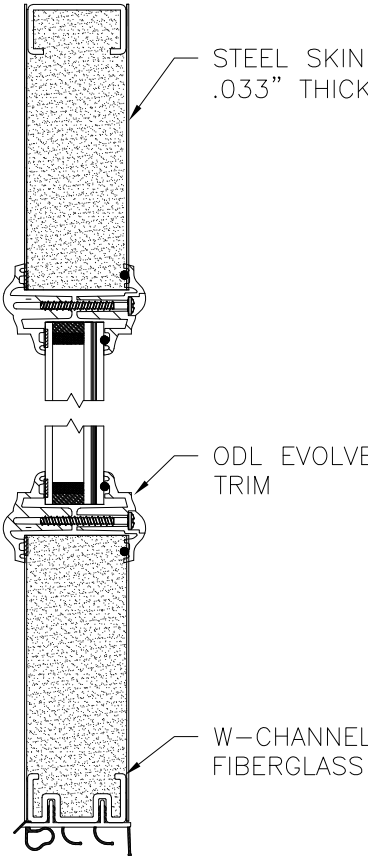
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
K	REVISE TO ADD ODL KEYSTONE TRIM	08/20/2024	R.L.



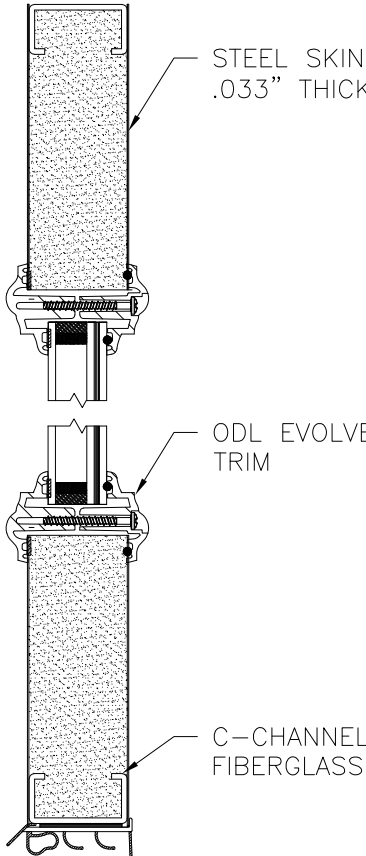
PANEL OPTION 11



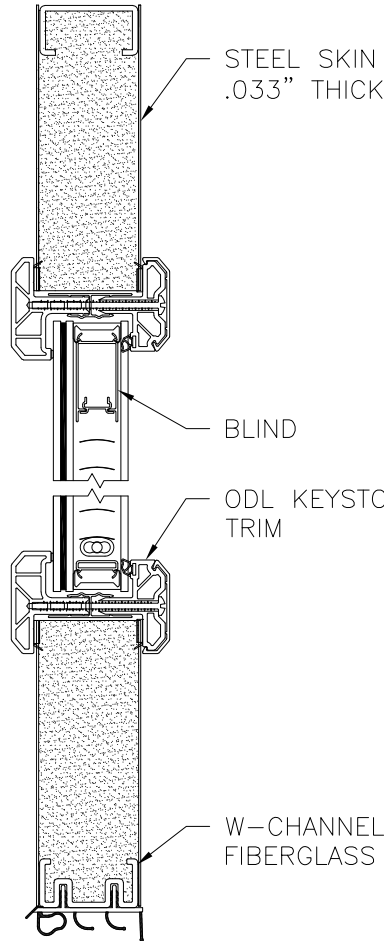
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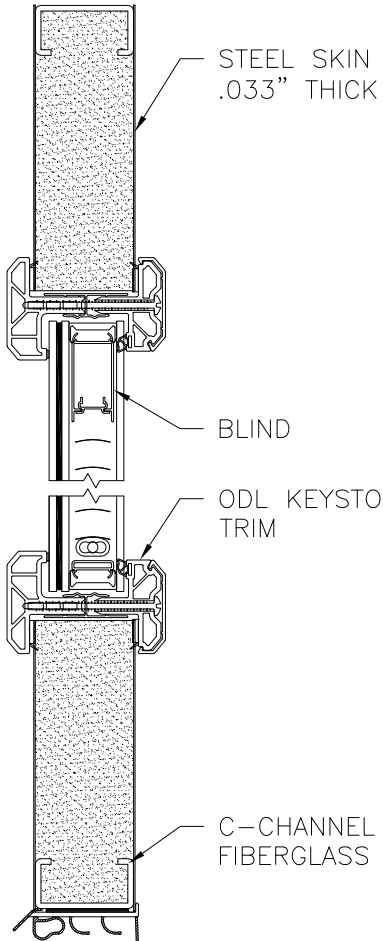
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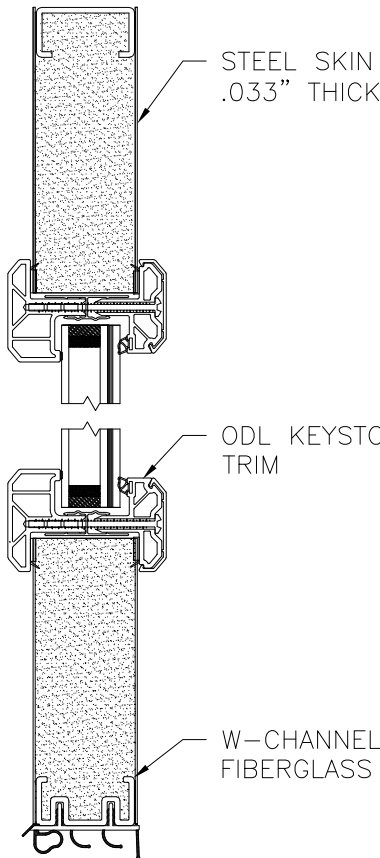
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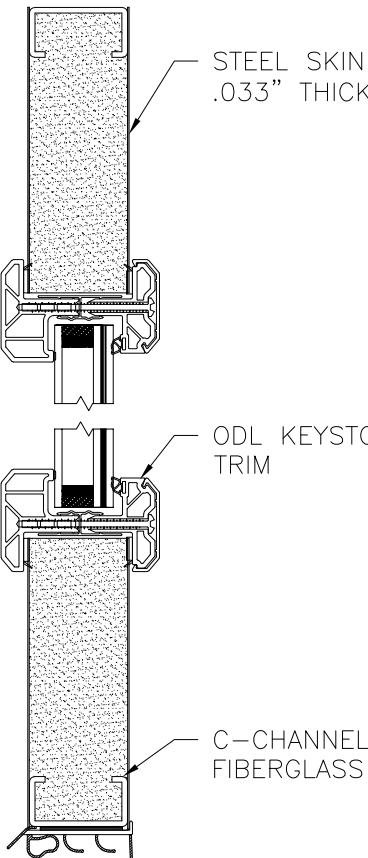
PANEL OPTION 15



PANEL OPTION 16



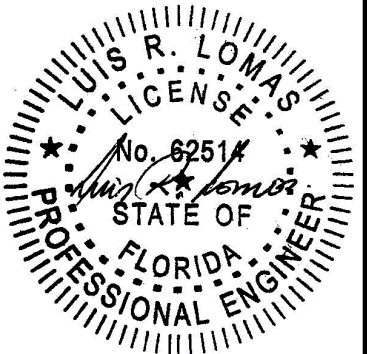
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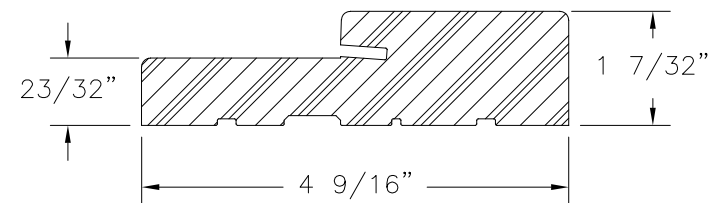
PANEL OPTION 18

PROVIA, LLC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
STEEL INSWING GLAZED DOOR – SINGLE & DOUBLE IMPACT APPROVED SLABS		
DRAWN: V.L.	DWG NO. 08-01957	REV K
SCALE NTS	DATE 03/05/13	SHEET 10 OF 11
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

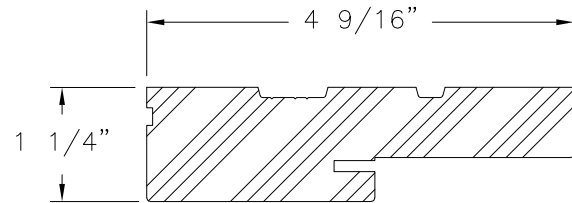
SIGNED: 08/27/2024



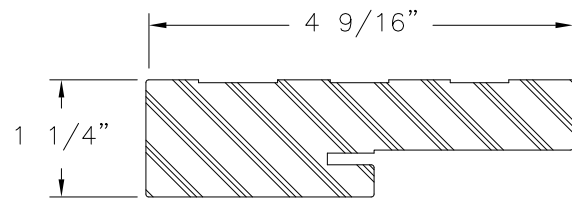
Luis R. Lomas P.E.
FL No.: 62514



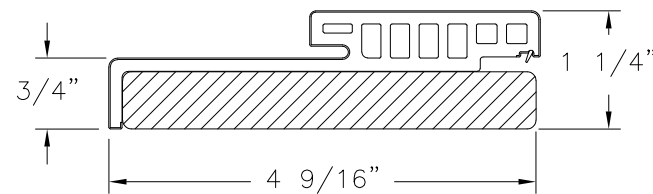
**FRAMESAVER
COMPOSITE**



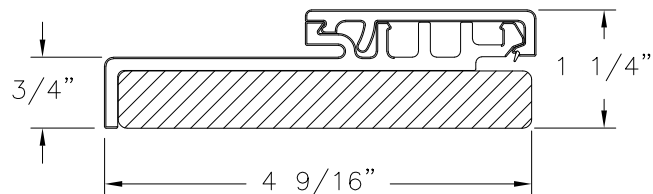
WOOD FRAME PROFILE



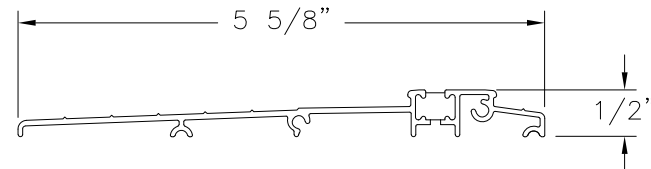
COMPOSITE FRAME PROFILE



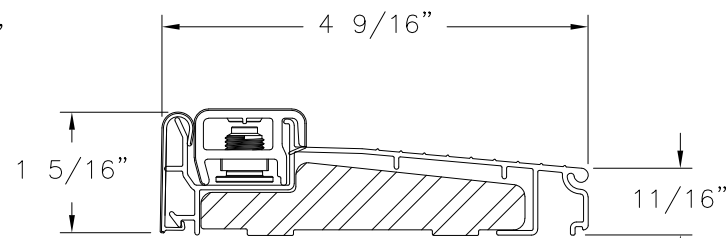
**HYBRID HEAD
WOOD/COMPOSITE**



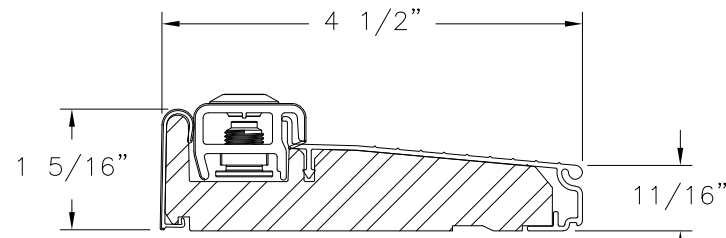
**HYBRID JAMB
WOOD/COMPOSITE**



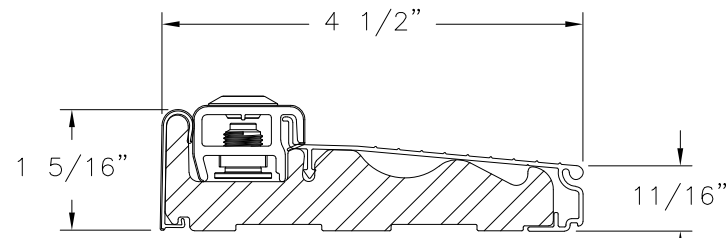
ADA THRESHOLD



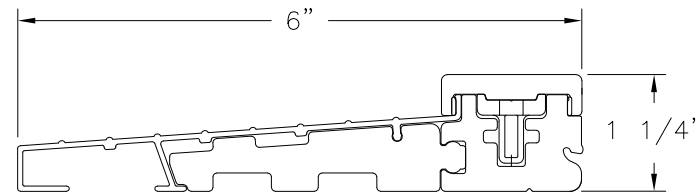
INSWING SILL ZAIL4565



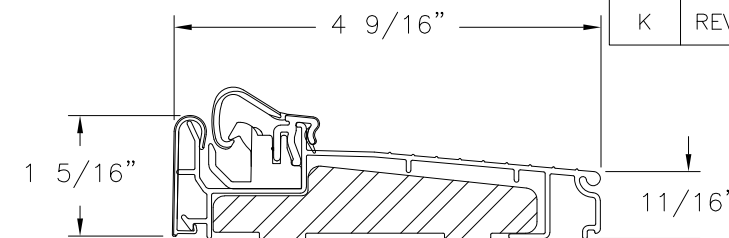
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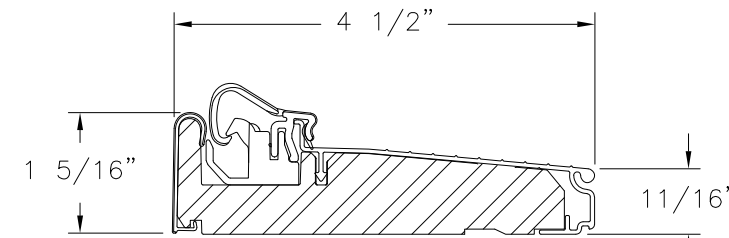
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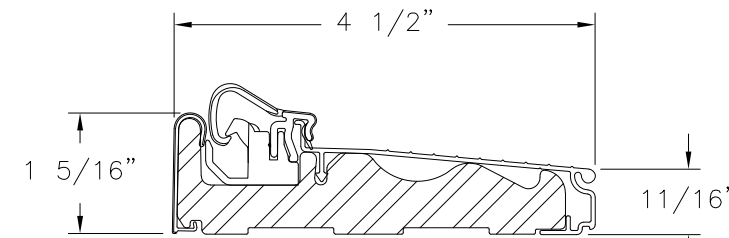
STANDARD INSWING THRESHOLD



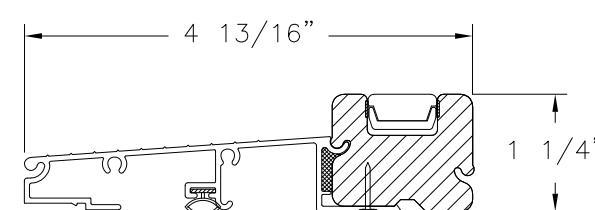
INSWING SILL ZACL4565



INSWING SILL ZAC4565F



INSWING SILL ZACLH4565



SAHARA INSWING THRESHOLD

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

PROVIA, LLC.

2150 STATE ROUTE 39 WEST
SUGARCREEK, OH 44681

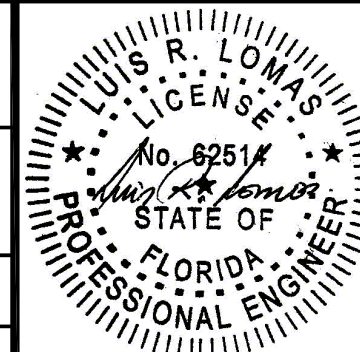
STEEL INSWING GLAZED DOOR – SINGLE & DOUBLE
IMPACT
COMPONENTS

DRAWN: V.L. DWG NO. 08-01957 REV K

SCALE NTS DATE 03/05/13 SHEET 11 OF 11

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