

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
B	REVISED MANUFACTURER ADDRESS	07/09/2026	R.L.

NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE FLORIDA BUILDING CODE INCLUDING THE HVHZ.
2. WOOD FRAMING 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.
4. WHERE SHIM OR BUCK THICKNESS IS LESS THAN 1-1/2" FENESTRATION UNITS MUST BE ANCHORED THROUGH THE FRAME IN ACCORDANCE WITH MANUFACTURER'S PUBLISHED INSTALLATION INSTRUCTIONS. ANCHORS SHALL BE SECURELY FASTENED DIRECTLY INTO MASONRY, CONCRETE OR OTHER STRUCTURAL SUBSTRATE MATERIAL.
5. WHERE WOOD BUCK THICKNESS IS 1-1/2" OR GREATER, BUCK SHALL BE SECURELY FASTENED TO MASONRY, CONCRETE OR OTHER STRUCTURAL SUBSTRATE. FENESTRATION UNITS MAY BE ANCHORED THROUGH FRAME TO SECURED WOOD BUCK IN ACCORDANCE WITH MANUFACTURER'S PUBLISHED INSTALLATION INSTRUCTIONS.
6. 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.
7. BUCKS SHALL EXTEND BEYOND WINDOW INTERIOR FACE SO THAT FULL FRAME SUPPORT IS PROVIDED.
8. SHIM AS REQUIRED AT EACH ANCHOR LOCATION WITH LOAD BEARING SHIM. SHIM WHERE SPACE OF 1/16" OR GREATER OCCURS. MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4".
9. SHIMS SHALL BE LOCATED, APPLIED AND MADE FROM MATERIALS AND THICKNESS CAPABLE OF SUSTAINING APPLICABLE LOADS.
10. WIND LOAD DURATION FACTOR Cd=1.6 WAS USED FOR WOOD ANCHOR CALCULATIONS.
11. FRAME MATERIAL: CELLULAR PVC.
12. UNITS MUST BE GLAZED PER ASTM E1300, SEE SHEET 9 FOR GLASS DETAILS.
13. APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.

14. FOR ANCHORING THROUGH FRAME INTO WOOD FRAMING OR 2X BUCK USE #10 WOOD SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/4" MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
15. FOR ANCHORING THROUGH FRAME INTO MASONRY/CONCRETE USE 3/16" TAPCONS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/4" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 2 1/2" MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
16. FOR ANCHORING THROUGH FRAME 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.
17. ALL FASTENERS TO BE CORROSION RESISTANT.
18. 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 2,000 PSI.
 - C. MASONRY: HOLLOW/FILLED BLOCK PER ASTM C90 WITH Fm=2,000PSI MINIMUM.
 - D. METAL STRUCTURE: STEEL 18GA (.048") FY=33KSI/FU=52KSI OR ALUMINUM 6063-T5 FU=30KSI .058" THICK MINIMUM
19. APPROVED CONFIGURATIONS: O/XX/O, O/XX, XX/O, XX, O/X/O, O/X, X/O, X.

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NAN YA PLASTICS CORP. USA

4016 SHADRACK ST.
HOUSTON, TX 77013

SERIES MK-1 FIBERGLASS SKIN GLAZED ENTRY DOOR
OUTSWING W/ OR W/OUT SIDELITES IMPACT HVHZ
NOTES

DRAWN:
V.L.

DWG NO.
08-02972

REV
B

SCALE NTS

DATE 11/17/16

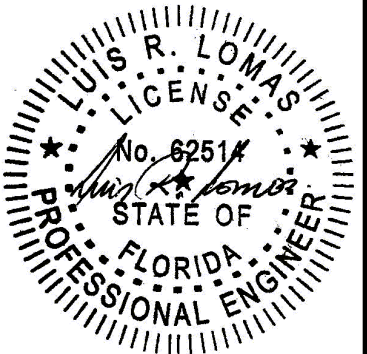
SHEET 1 OF 9

L. ROBERTO LOMAS P.E.

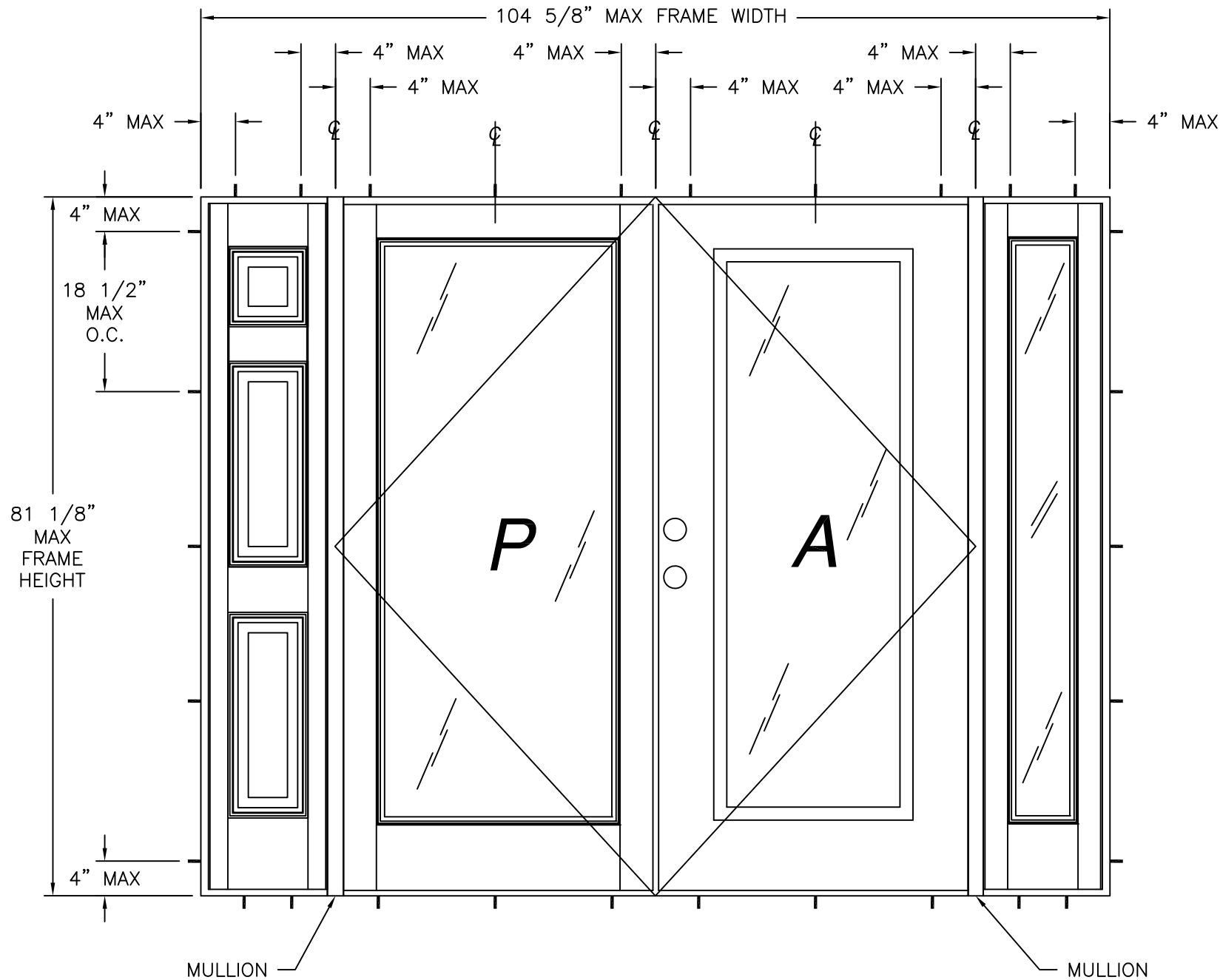
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Luis R. Lomas P.E.
FL No.: 62514



SERIES MK-1 FIBERGLASS SKIN GLAZED ENTRY DOOR OUTSWING
EXTERIOR VIEW

DESIGN PRESSURE RATING	IMPACT RATING
±50.0PSF	LARGE AND SMALL MISSILE IMPACT

MISSILE LEVEL D, WIND ZONE 4, AND HVHZ

HARDWARE SCHEDULE	
A.	KWIKSET MAXIMUM ENTRY LATCH WITH KEEPER 35 1/2" FROM PANEL BOTTOM EDGE
B.	KWIKSET MAXIMUM DEADBOLT WITH KEEPER 41 1/8" FROM PANEL BOTTOM EDGE
C.	(3) 4X4 HINGES BY MIKOTA 7", 40" AND 72" FROM PANEL BOTTOM EDGE
D.	5/16"X19" SHOOT BOLT AT EITHER SIDE OF ASTRAGAL
E.	4 3/8" FATBOY MULLION BY ENDURA
F.	ALUMINUM/PVC/STEEL HURRICANE ASTRAGAL BY ENDURA

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- NOTES:
1. MAXIMUM DOOR PANEL SIZE: 35 3/4" X 79 1/4"
 2. MAXIMUM DOOR D.L.O.: 26" X 66"
 3. MAXIMUM SIDELITE PANEL SIZE: 13 3/4" X 79 1/4"
 4. MAXIMUM SIDELITE PANEL D.L.O.: 6 1/4" X 65 3/4"

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ELEVATION

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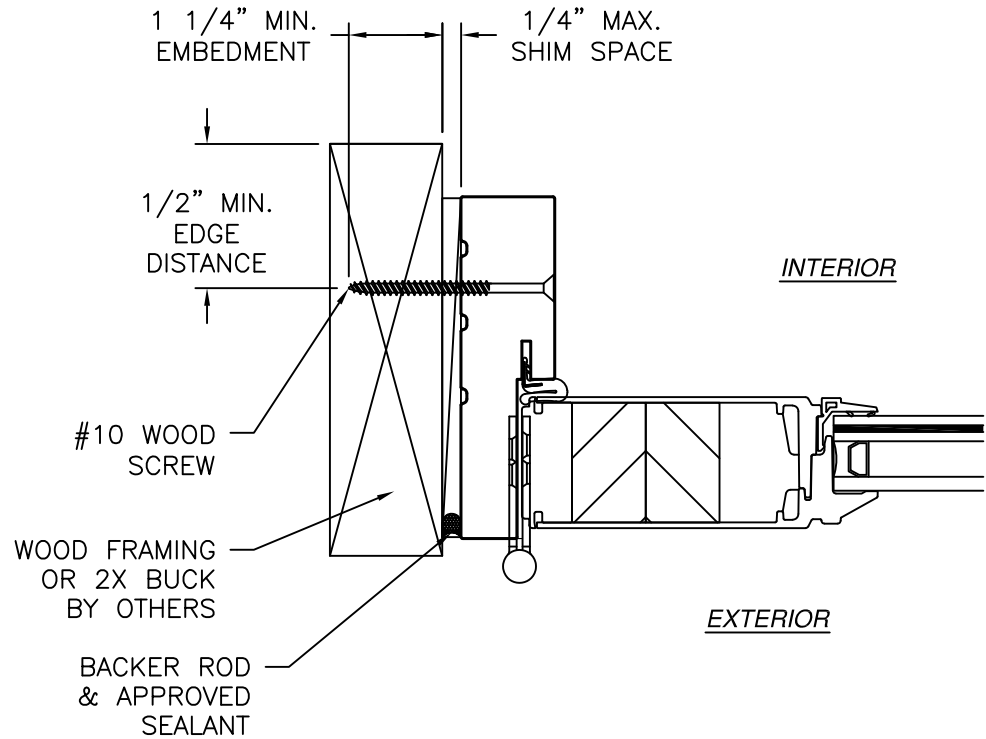
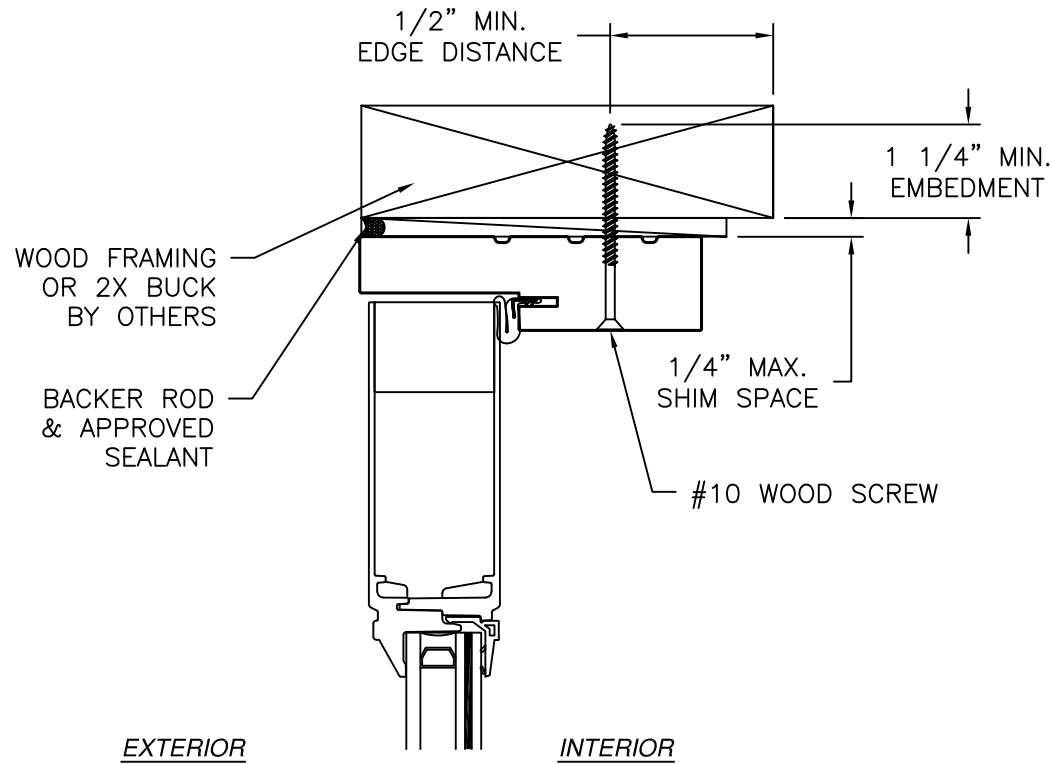
SHEET
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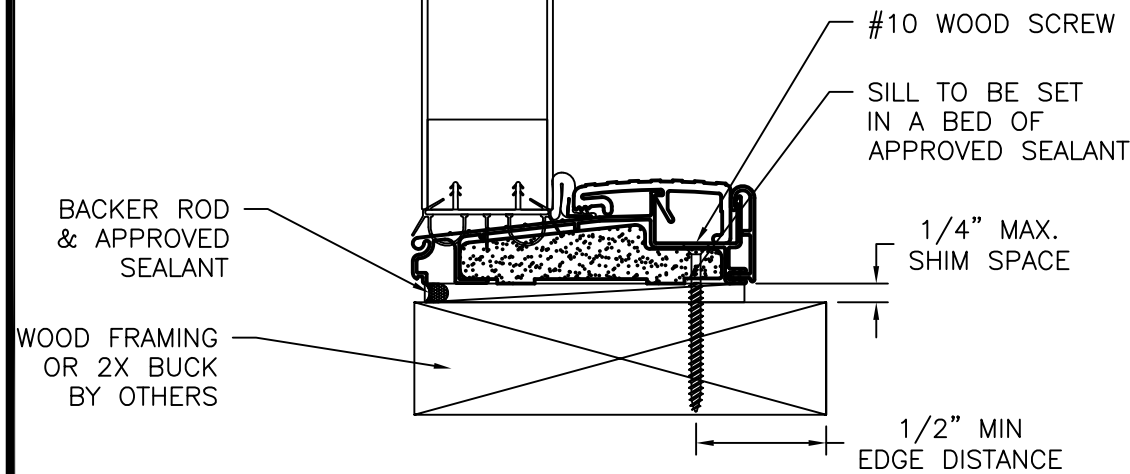
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JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

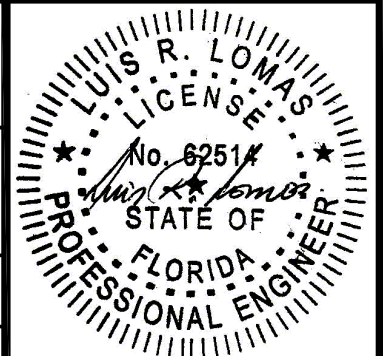


VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION

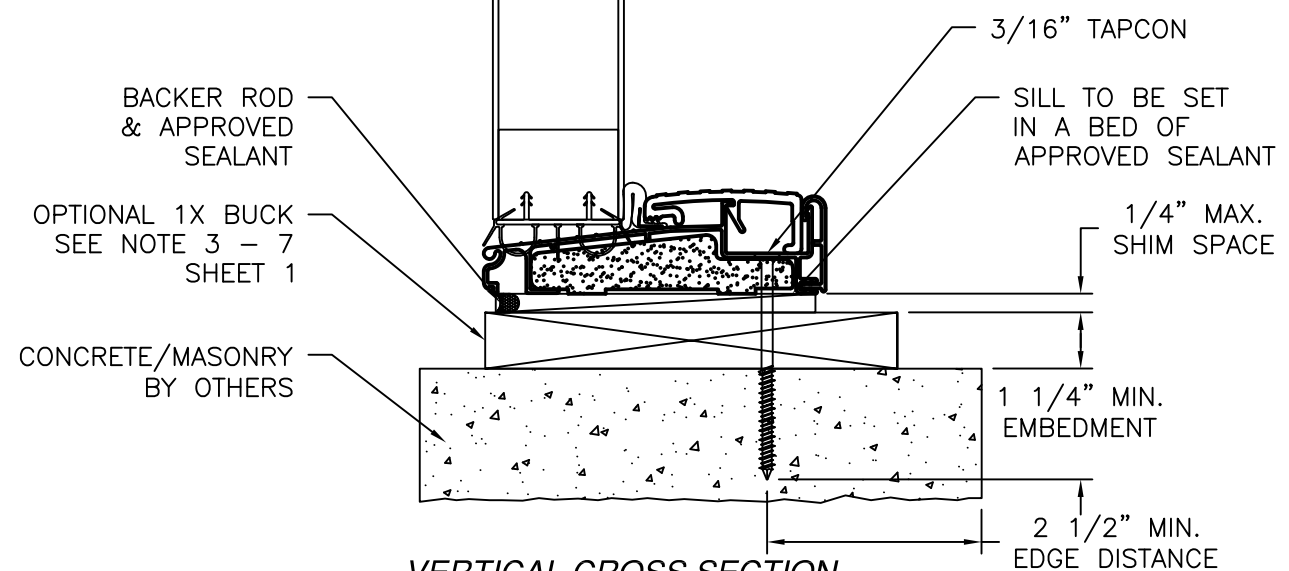
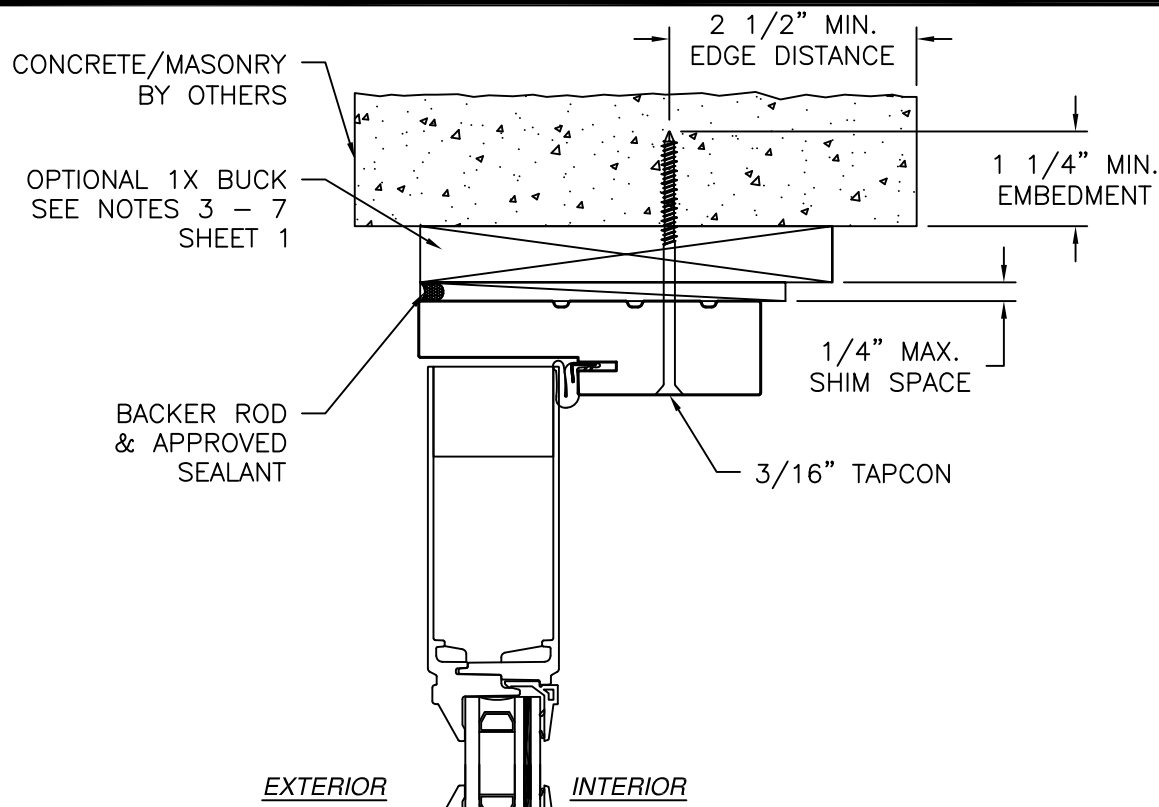
- NOTES:
1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
 2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112

NAN YA PLASTICS CORP. USA 4016 SHADRACK ST. HOUSTON, TX 77013		
SERIES MK-1 FIBERGLASS SKIN GLAZED ENTRY DOOR OUTSWING W/ OR W/OUT SIDELITES IMPACT HVHZ DOOR INSTALLATION DETAILS		
DRAWN: V.L.	DWG NO. 08-02972	REV B
SCALE NTS	DATE 11/17/16	SHEET 3 OF 9
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

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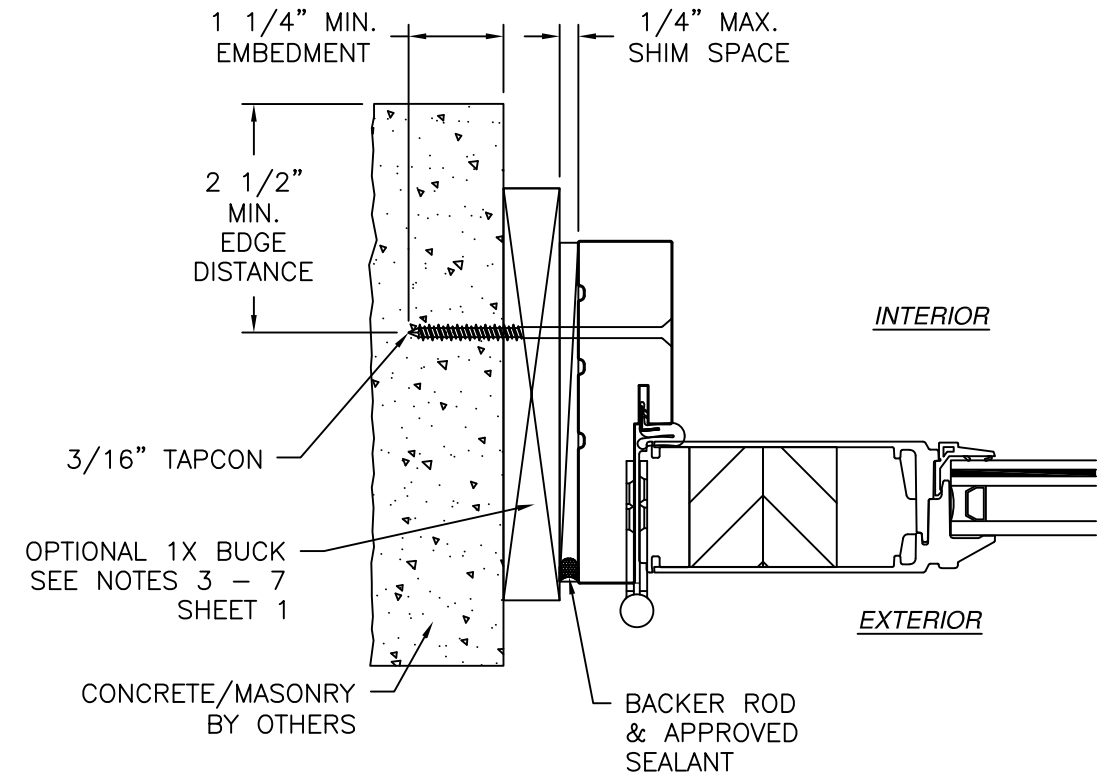


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VERTICAL CROSS SECTION
CONCRETE/MASONRY INSTALLATION

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SERIES MK-1 FIBERGLASS SKIN GLAZED ENTRY DOOR
OUTSWING W/ OR W/OUT SIDELITES IMPACT HVHZ
DOOR INSTALLATION DETAILS

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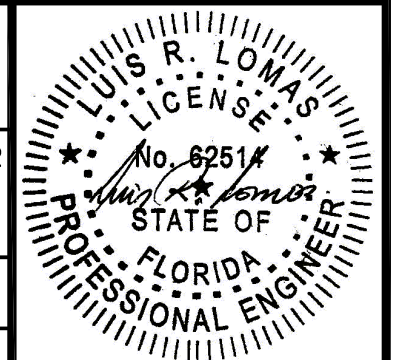
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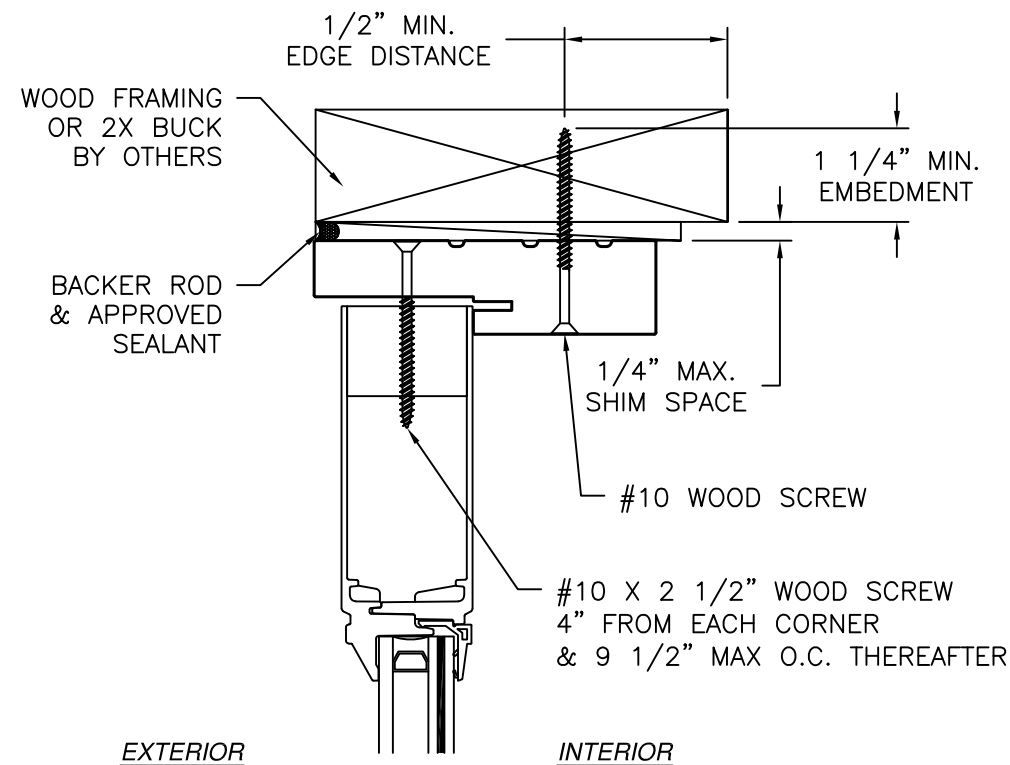
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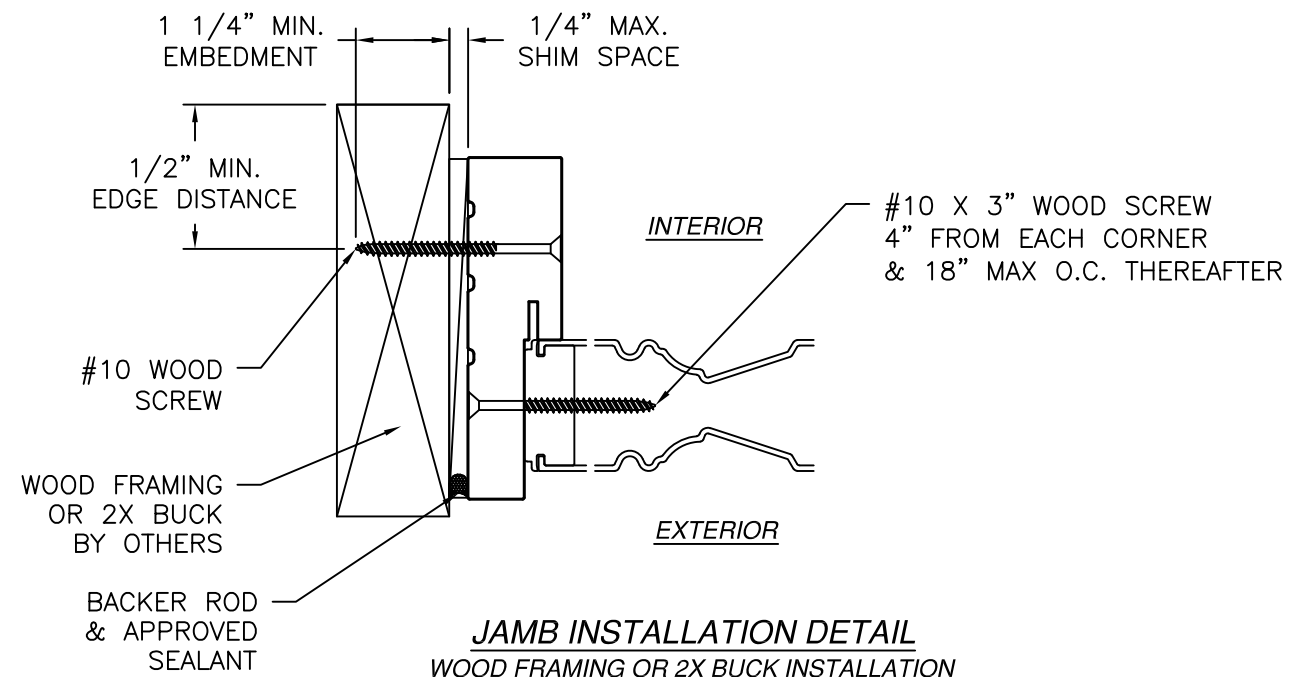
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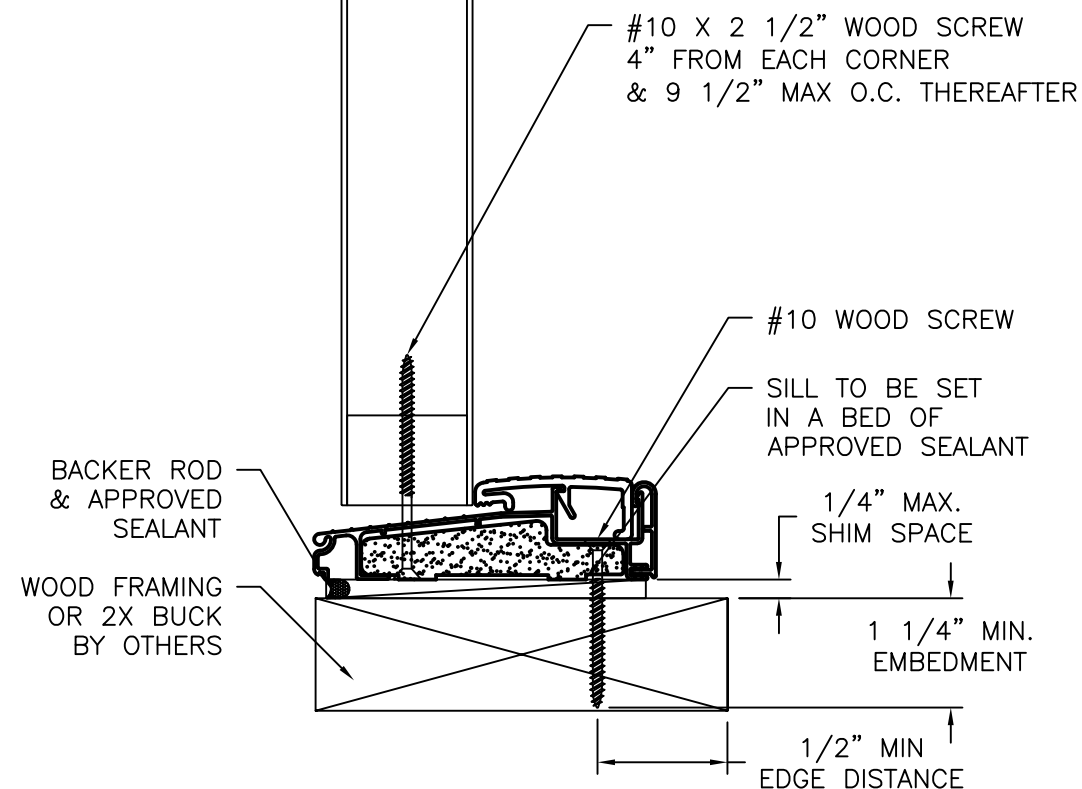
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VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION



JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

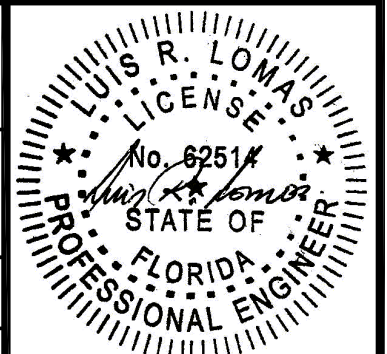


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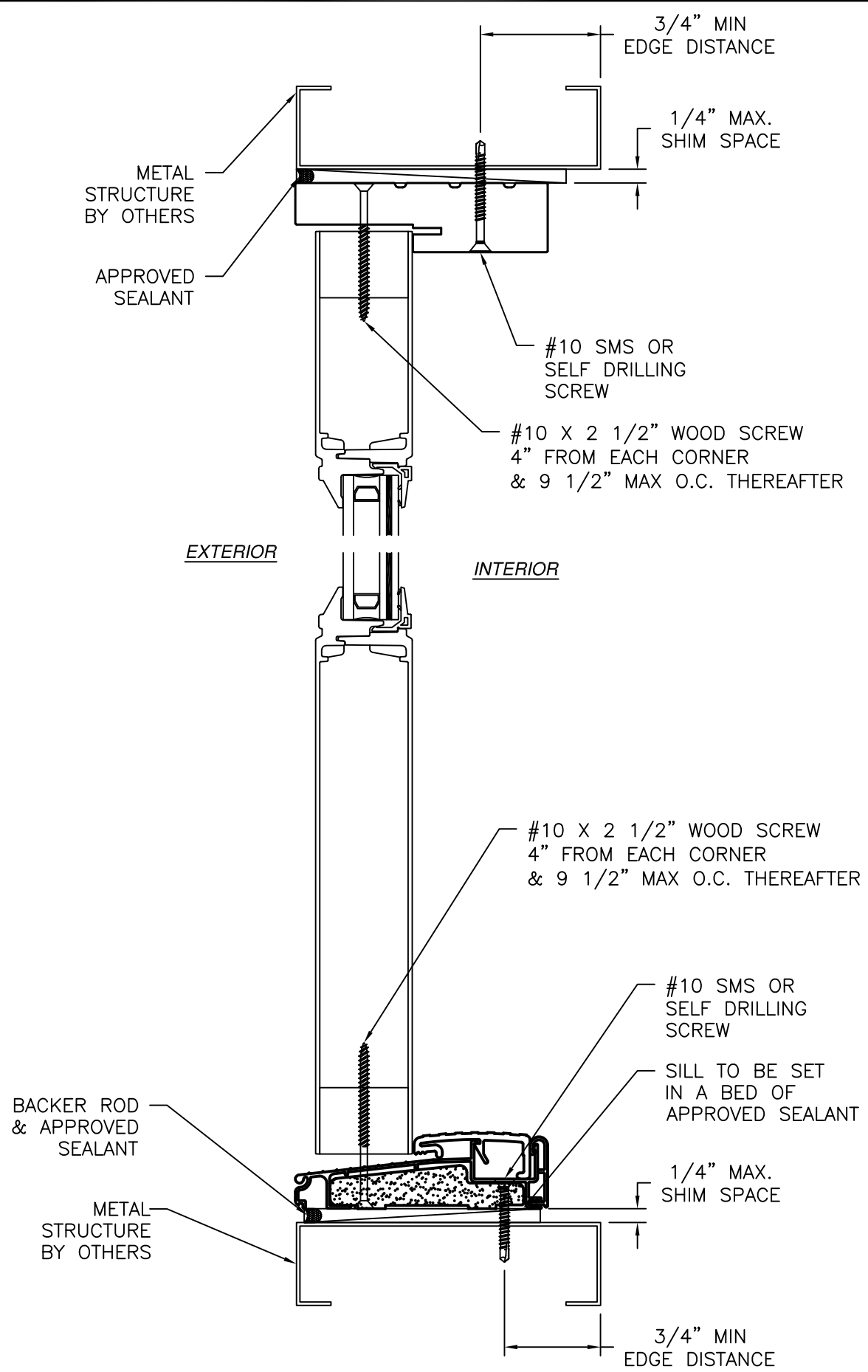
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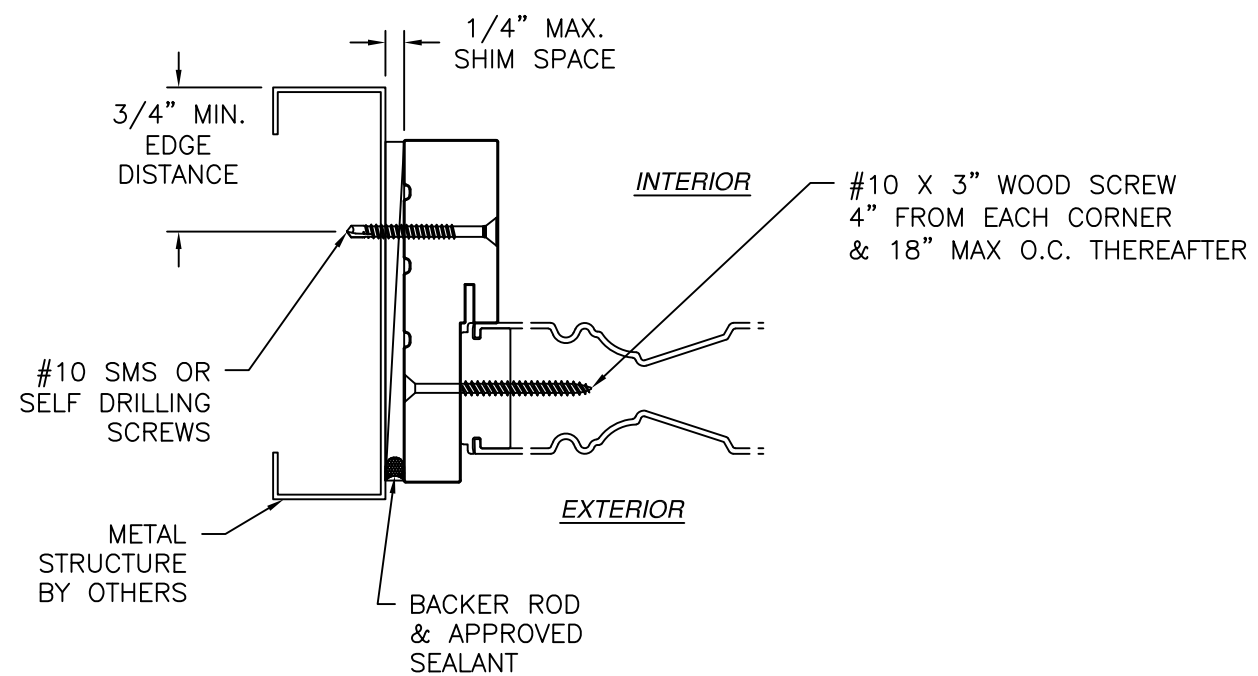


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VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION



JAMB INSTALLATION DETAIL
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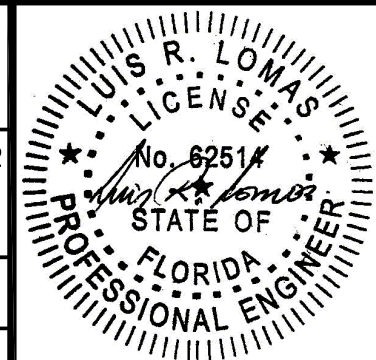
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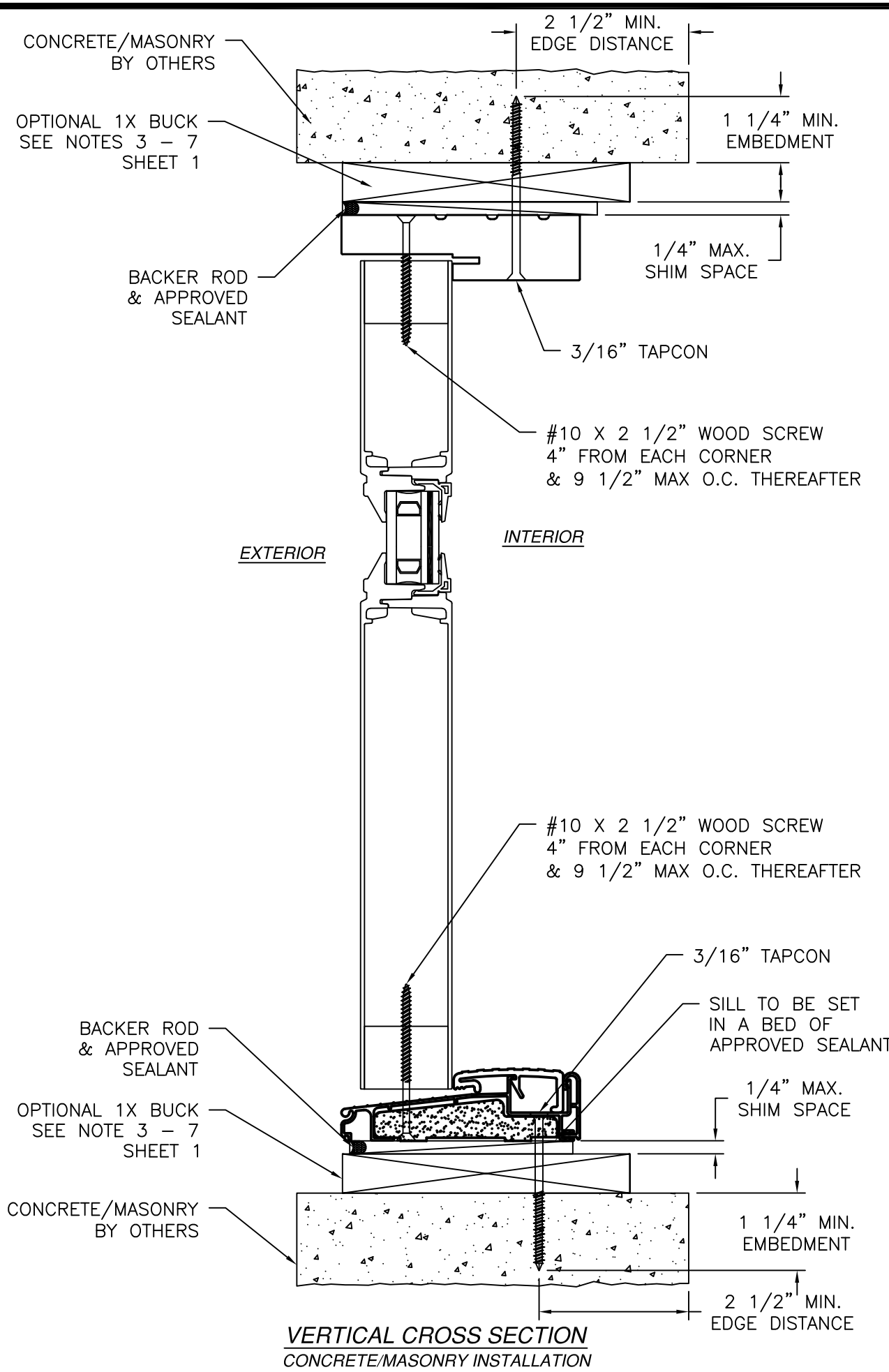
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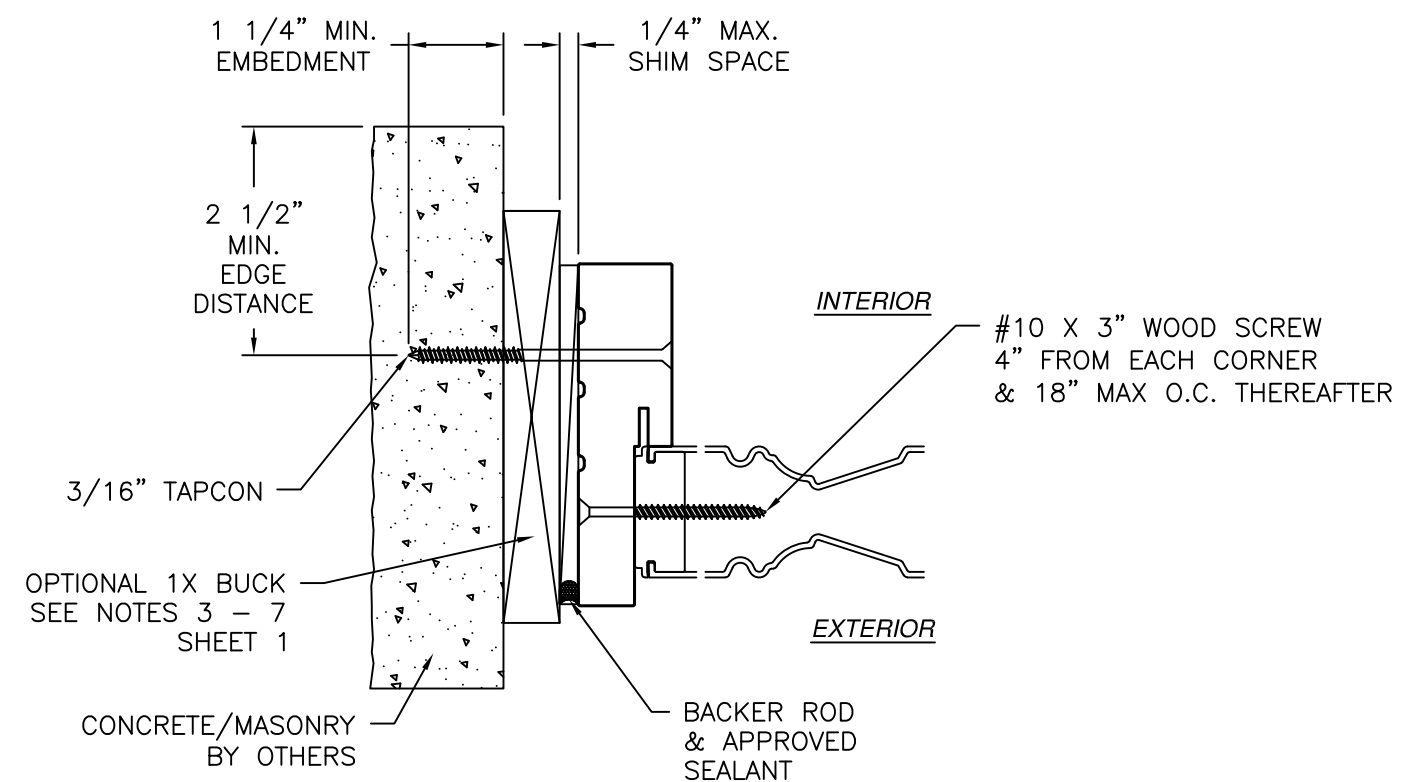
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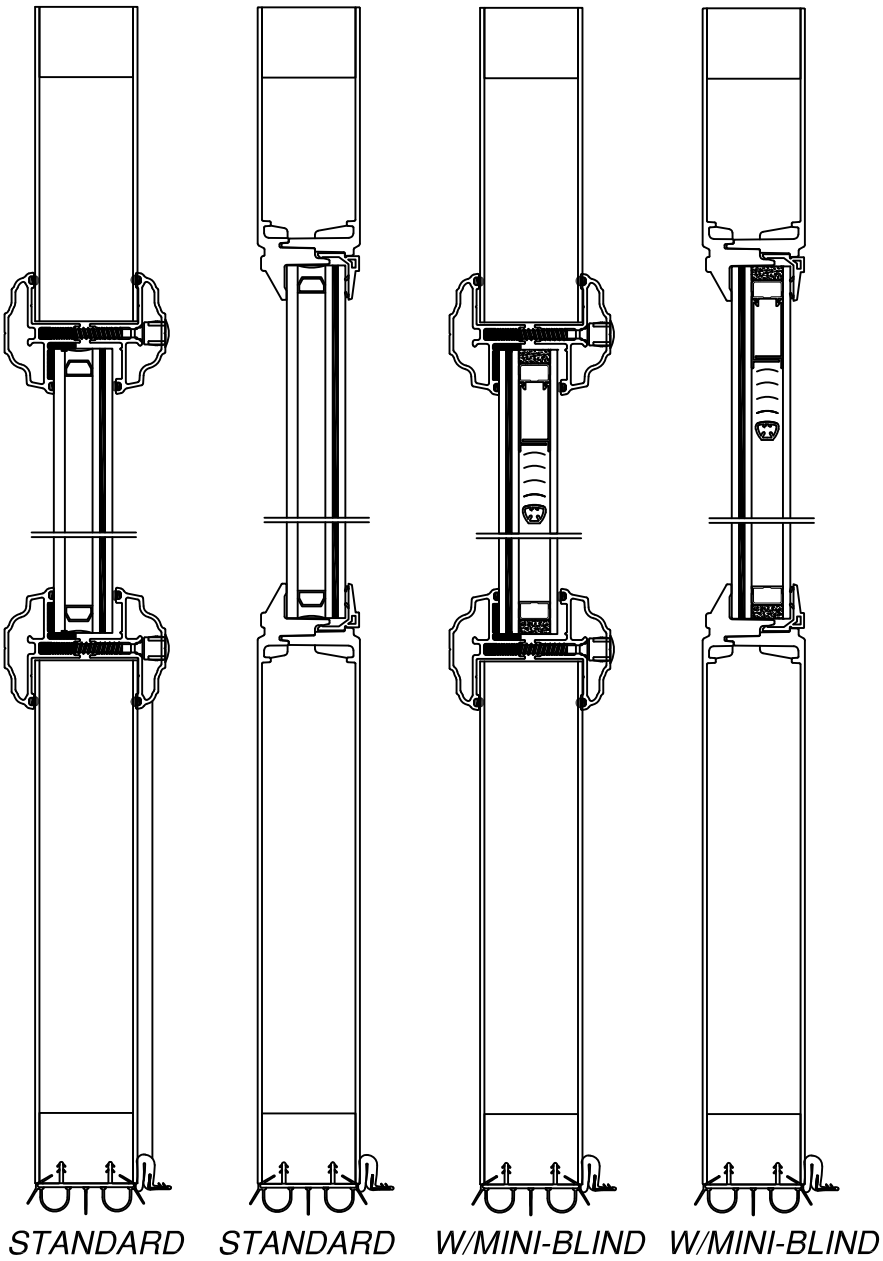
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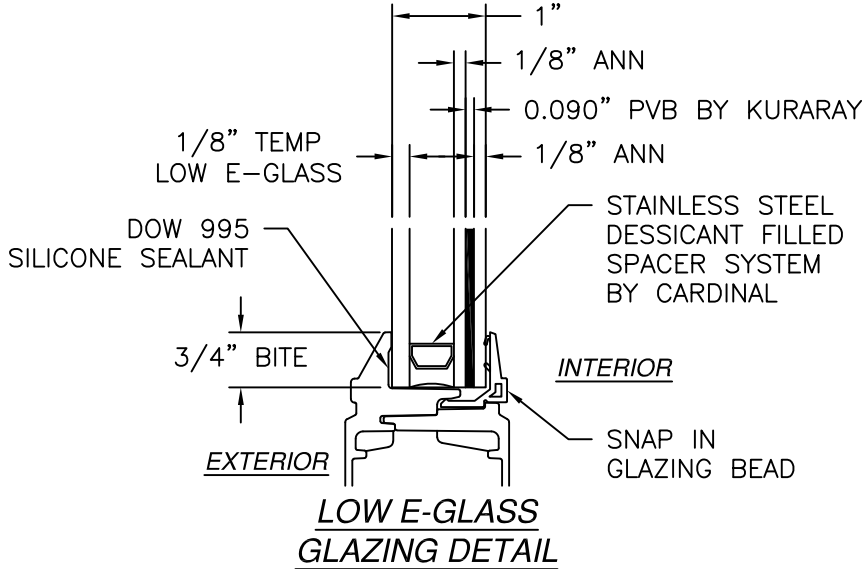
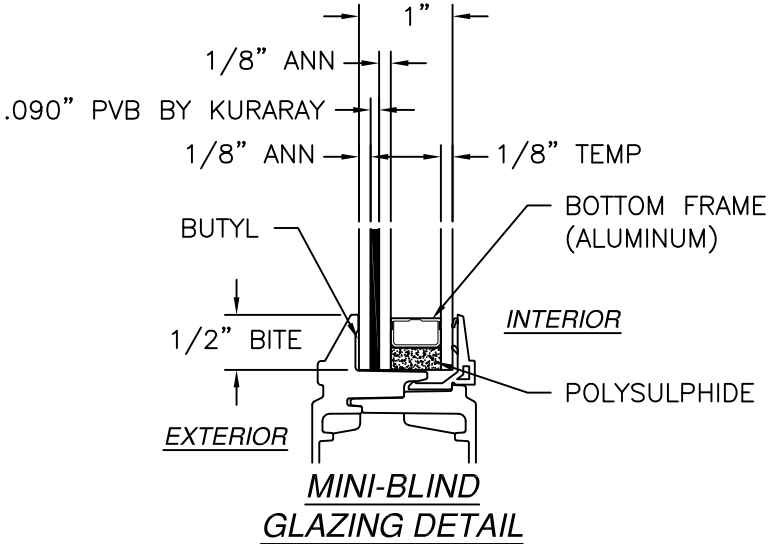
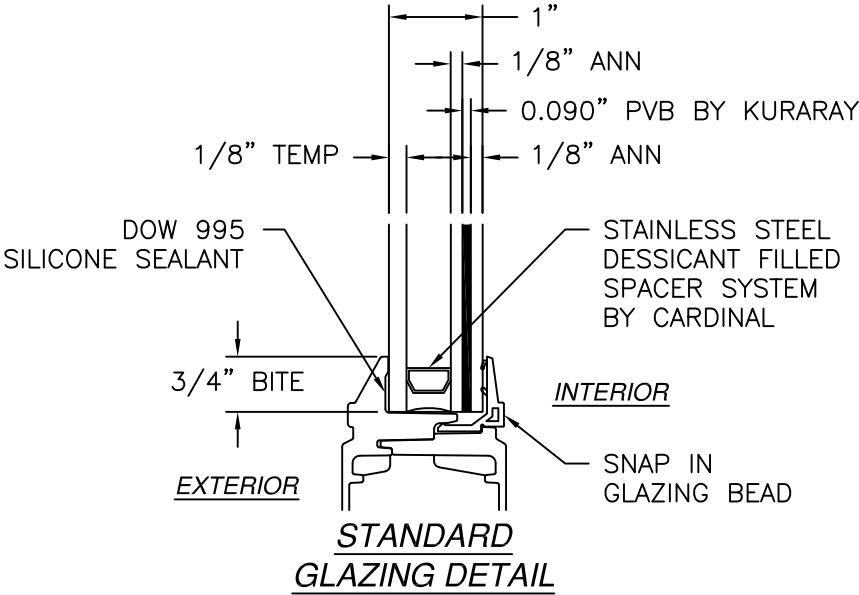
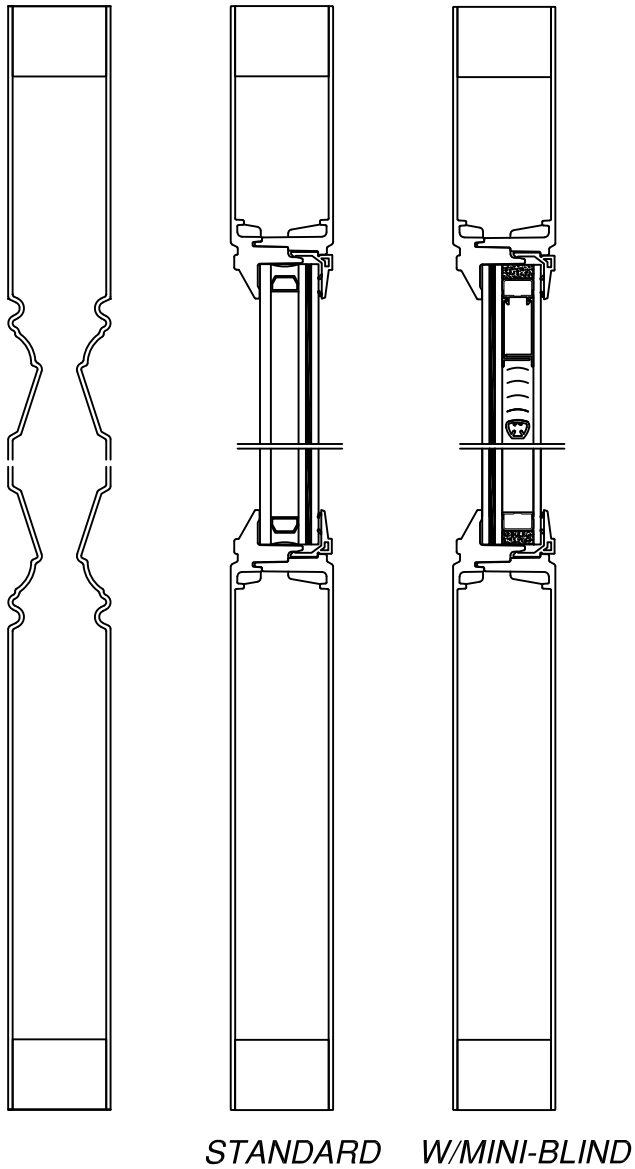
LUIS R. LOMAS
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STATE OF
FLORIDA
PROFESSIONAL ENGINEER

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APPROVED DOOR PANELS



APPROVED SIDELITE PANELS



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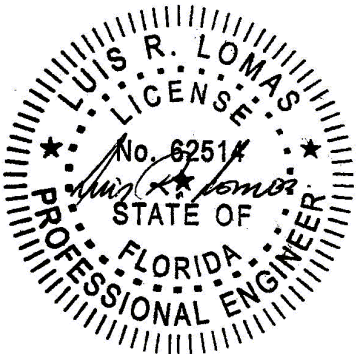
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