

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
D	REVISED ANCHORING DETAILS	03/12/2024	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 SHIM OR BUCK THICKNESS IS LESS THAN 1-1/2" WINDOW 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.
4. WHERE WOOD BUCK THICKNESS IS 1-1/2" OR GREATER, BUCK SHALL BE SECURELY FASTENED TO MASONRY, CONCRETE OR OTHER STRUCTURAL SUBSTRATE. WINDOW UNITS MAY BE ANCHORED THROUGH FRAME TO SECURED WOOD BUCK IN ACCORDANCE WITH MANUFACTURER'S PUBLISHED INSTALLATION INSTRUCTIONS.
5. 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.
6. BUCKS SHALL EXTEND BEYOND WINDOW INTERIOR FACE SO THAT FULL FRAME SUPPORT IS PROVIDED.
7. 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".
8. SHIMS SHALL BE LOCATED, APPLIED AND MADE FROM MATERIALS AND THICKNESS CAPABLE OF SUSTAINING APPLICABLE LOADS.
9. WIND LOAD DURATION FACTOR Cd=1.6 WAS USED FOR WOOD ANCHOR CALCULATIONS.
10. FRAME MATERIAL: EXTRUDED RIGID PVC.
11. UNITS MUST BE GLAZED PER ASTM E1300.
12. APPROVED IMPACT PROTECTIVE SYSTEM IS REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.

13. FOR ANCHORING THROUGH FRAME 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.
14. 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" MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
15. FOR ANCHORING THROUGH FRAME 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.
16. ALL FASTENERS TO BE CORROSION RESISTANT.
17. 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:
 - 17.1. WOOD: MINIMUM SPECIFIC GRAVITY OF G=0.42
 - 17.2. CONCRETE: MINIMUM COMPRESSIVE STRENGTH OF 2,000 PSI.
 - 17.3. MASONRY: HOLLOW/FILLED BLOCK PER ASTM C90 WITH f'm=2,000PSI MINIMUM.
 - 17.4. METAL STRUCTURE: STEEL 18GA (.048") FY=33KSI/FU=52KSI OR ALUMINUM 6063-T5 FU=30KSI 1/8" THICK MINIMUM

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MI WINDOWS AND DOORS, LLC.

650 WEST MARKET ST.
GRATZ, PA 17030-0370

SERIES 3500 HP FLANGE PVC SINGLE HUNG WINDOW
ALUMINUM REINFORCED - NON-IMPACT
NOTES

DRAWN:
R.L.

DWG NO.
08-01729

REV
D

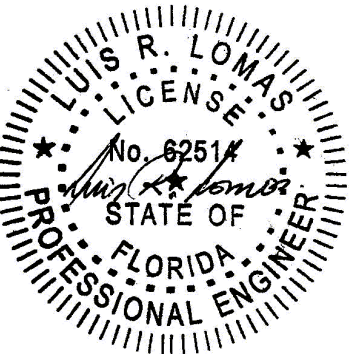
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SHEET 1 OF 6

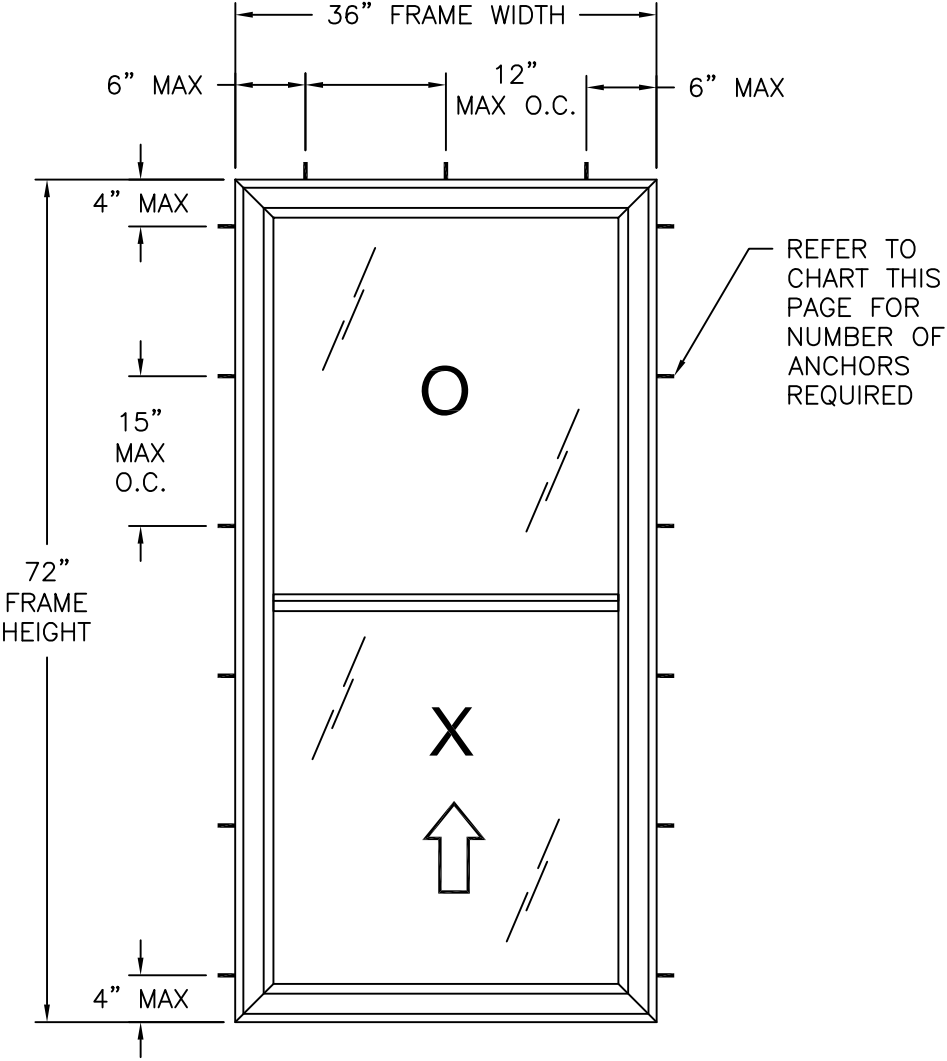
L. ROBERTO LOMAS P.E.
208 7th Ave, INDIALANTIC, FL 32903
434-688-0609 rllomas@lrlomaspe.com

SIGNED: 03/14/2024



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

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SERIES 3500 HP FLANGE PVC SINGLE HUNG WINDOW
EXTERIOR VIEW

DESIGN PRESSURE RATING	IMPACT RATING
+50.0/-60.0PSF	NONE

36" X 72" UNIT SHOWN. OTHER SIZES APPROVED AS LONG AS
FRAME AREA DOES NOT EXCEED 18.0 FT²

- NOTES:
- SASH SIZE: 33 3/4" x 35 1/8"
 - D.L.O.: 31 3/4" x 32"

HARDWARE SCHEDULE	
A.	(2) SURFACE MOUNT TILT LATCH WITH J-HOOK, AT ENDS OF INTERIOR MEETING RAIL
B.	(2) CONSTANT FORCE BALANCE SYSTEM, AT JAMBS
C.	(2) METAL TILT PINS, AT ENDS OF BOTTOM RAIL
D.	(2) METAL LOCK WITH ADJACENT KEEPER, 7" FROM ENDS OF MEETING RAIL
E.	EXTRUDED ALUMINUM REINFORCEMENT, AT FIXED MEETING RAIL
F.	EXTRUDED ALUMINUM REINFORCEMENT, AT SASH STILES, BOTTOM RAIL, AND INTERIOR MEETING RAIL.

Number of anchor locations required								
Frame Height (in)	Frame width (in)							
	18.00		24.00		30.00		36.00	
	Head	Jamb	Head	Jamb	Head	Jamb	Head	Jamb
24.00	2	3	2	2	3	2	3	2
30.00	2	3	2	2	3	2	3	2
36.00	2	3	2	3	3	3	3	3
42.00	2	3	2	3	3	3	3	3
48.00	2	4	2	4	3	4	3	4
54.00	2	4	2	4	3	4	3	4
60.00	2	5	2	5	3	5	3	5
66.00	2	5	2	5	3	5	3	5
72.00	2	6	2	6	3	6	3	6

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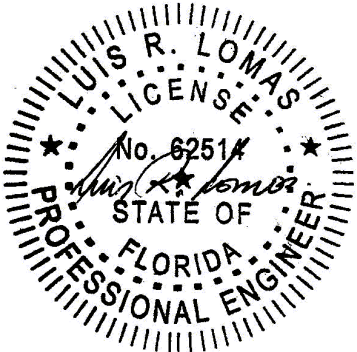
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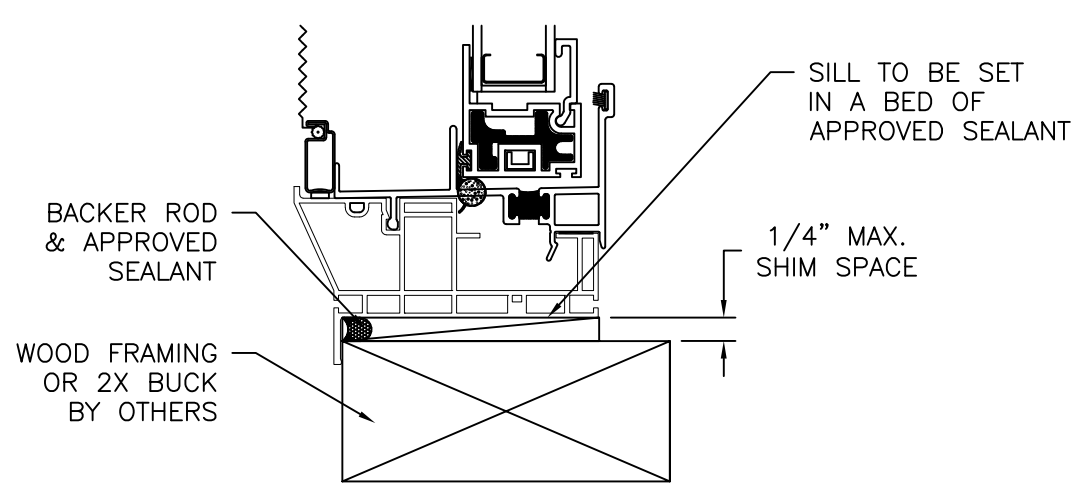
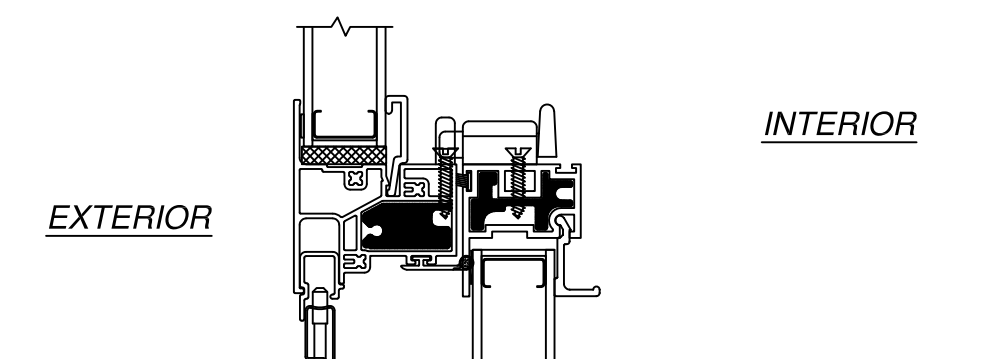
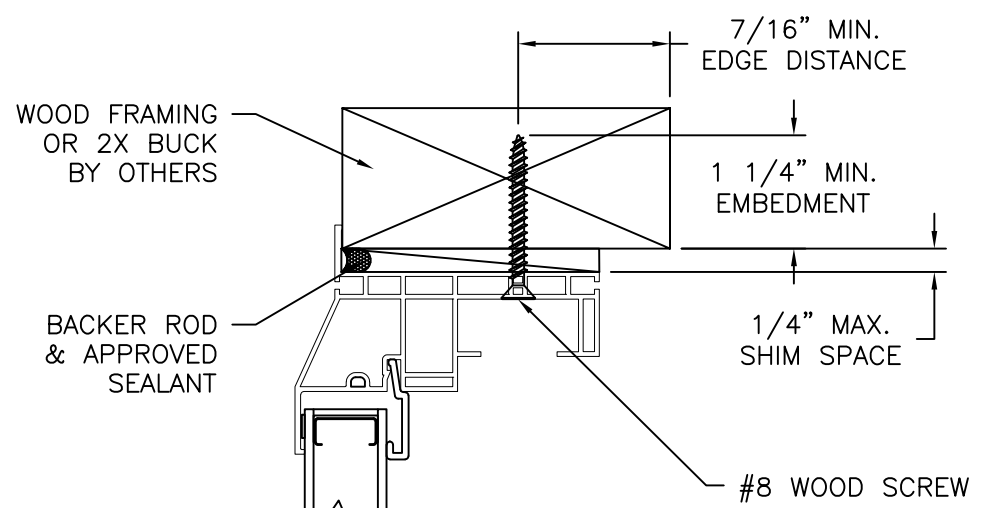
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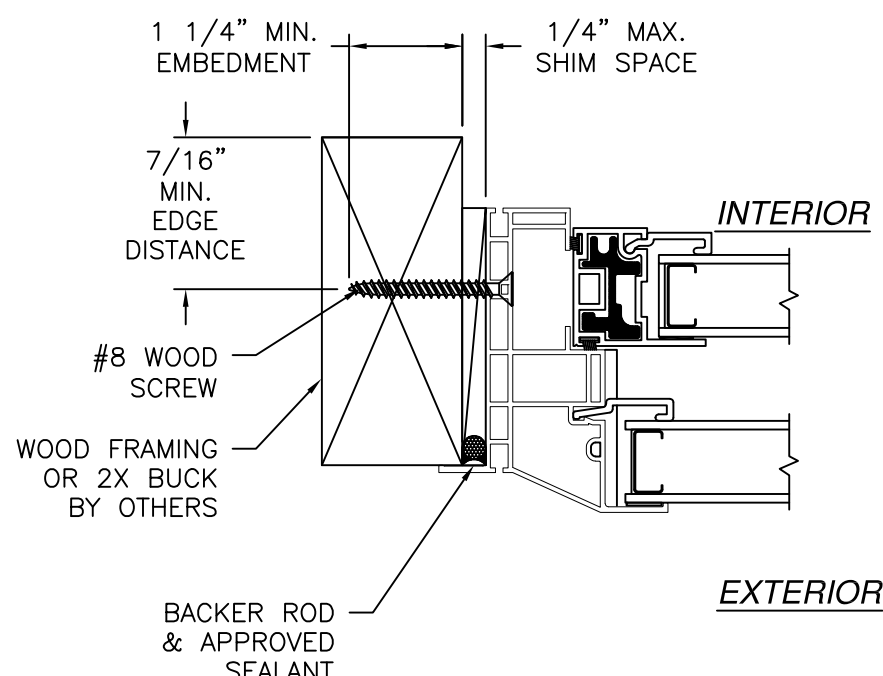
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VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION



JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

- 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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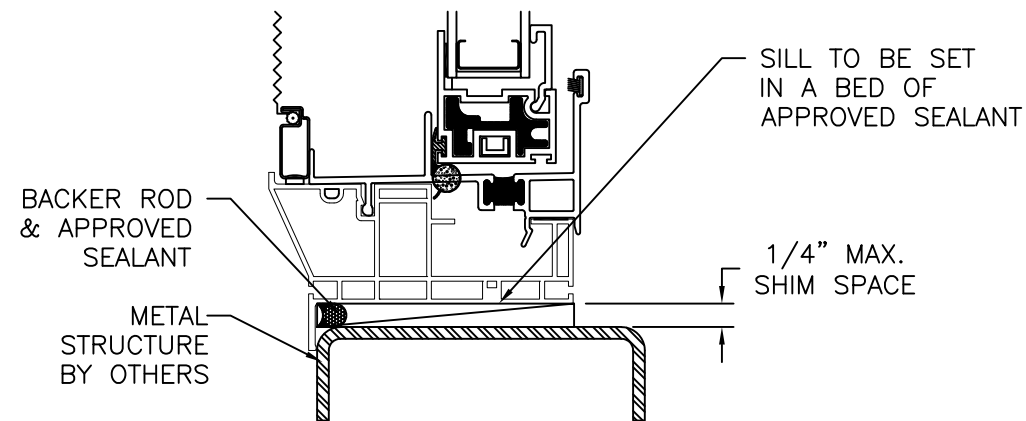
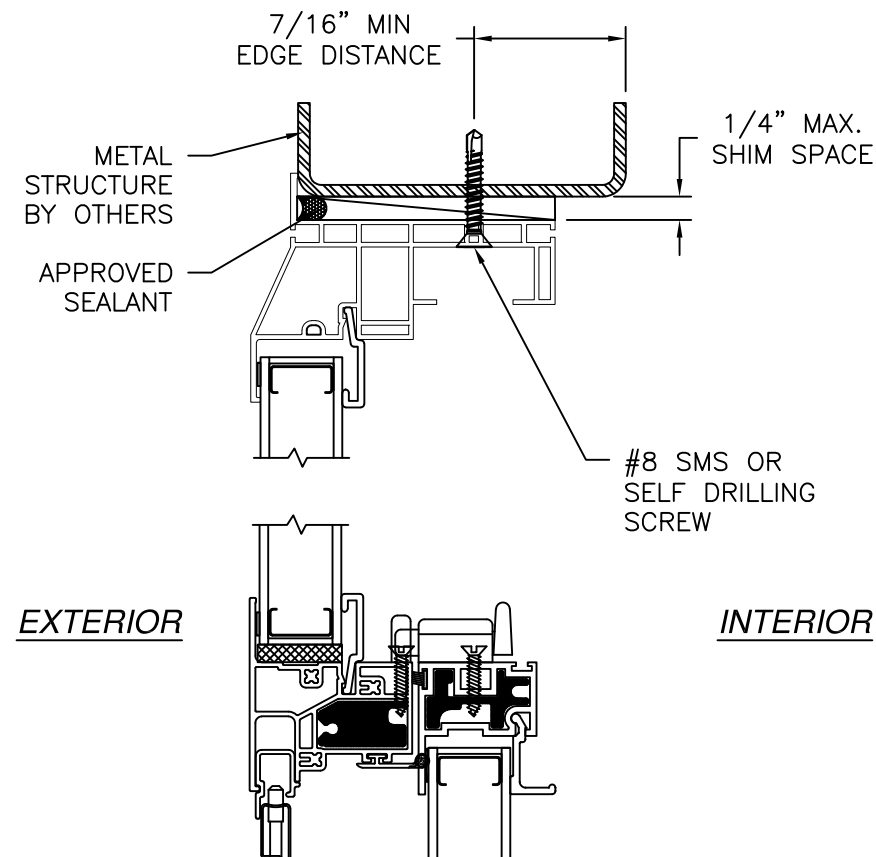
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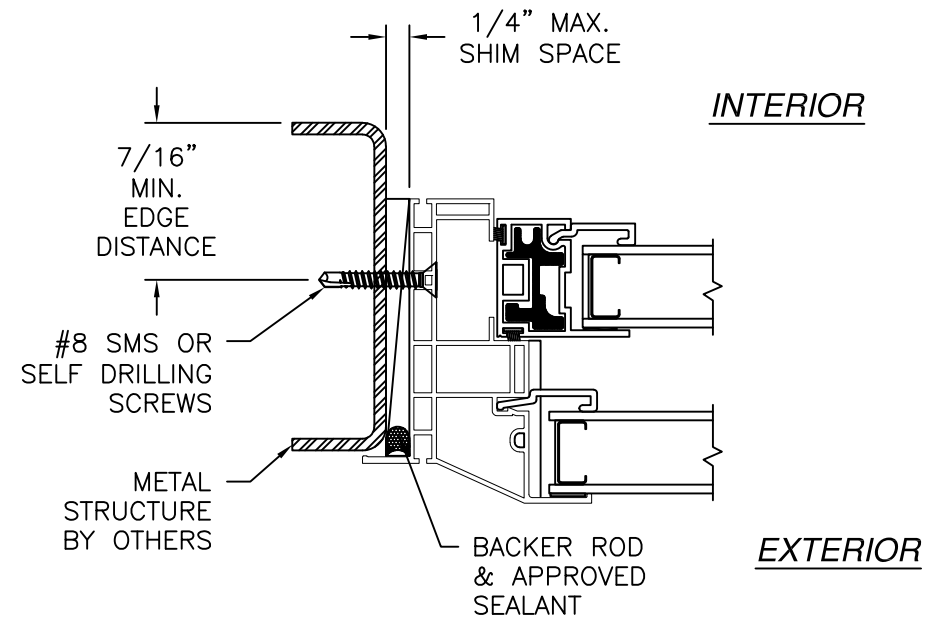
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Professional Engineer
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VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION



JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION

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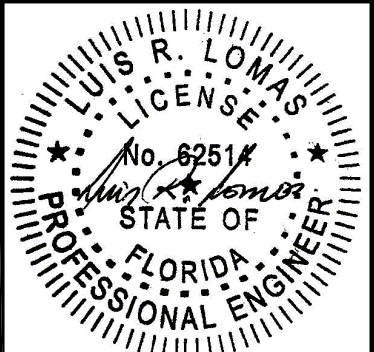
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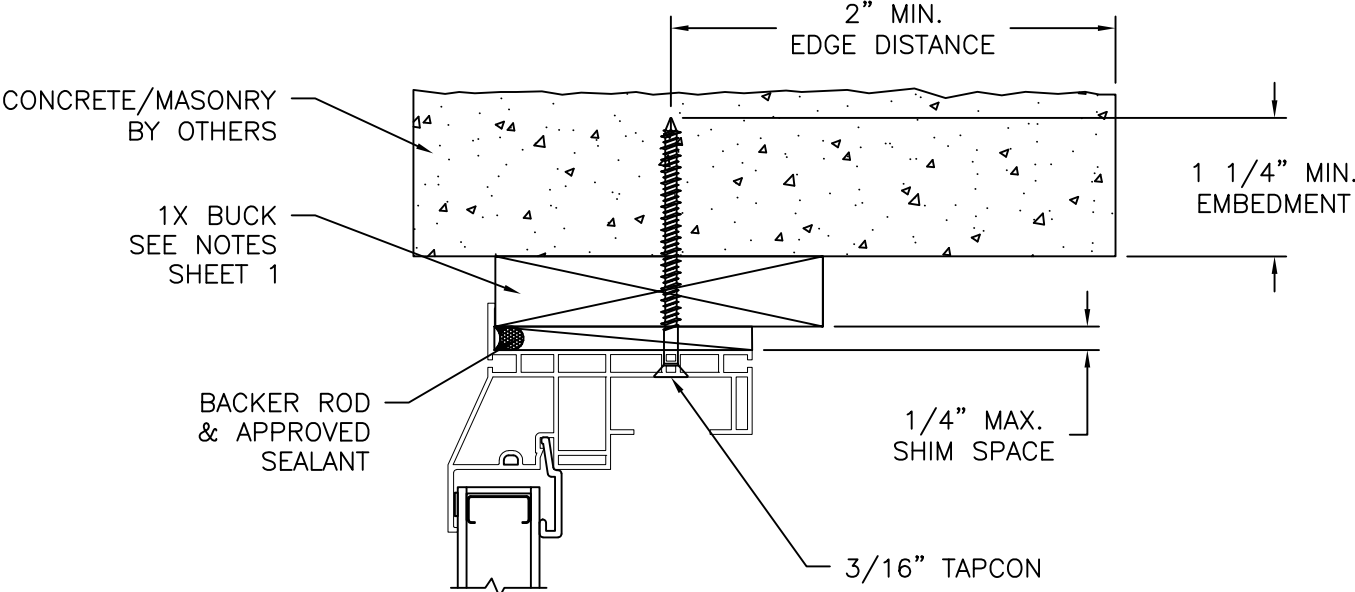
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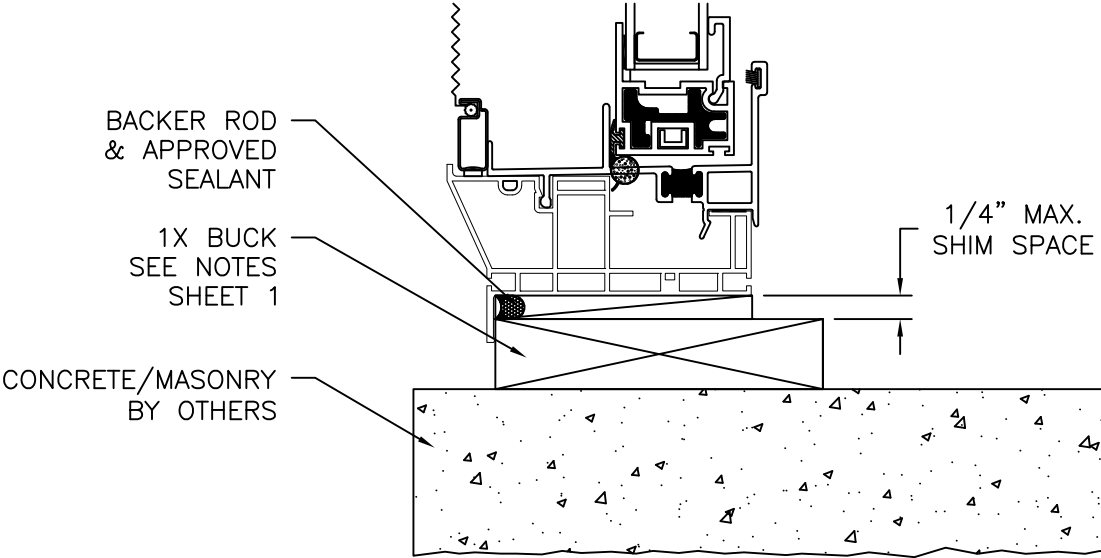
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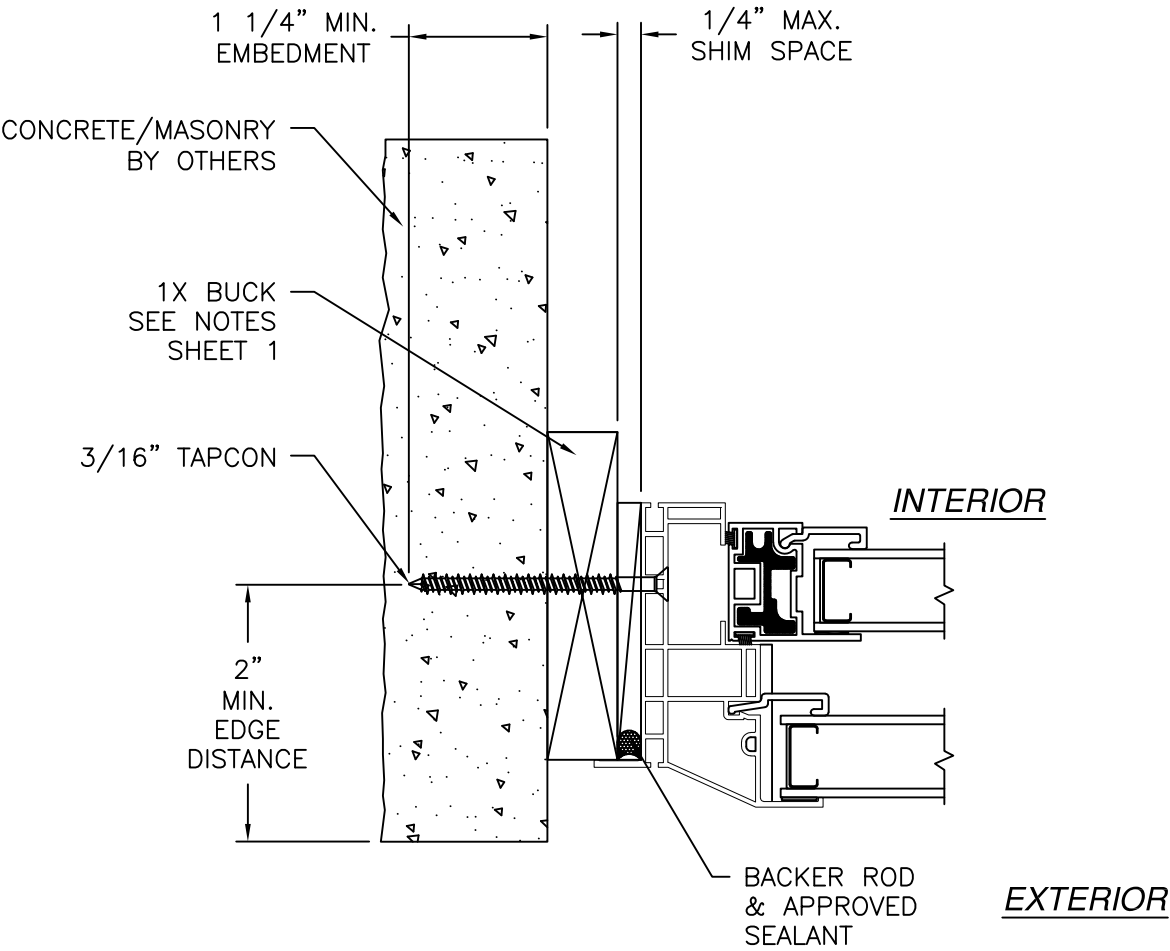


EXTERIOR

INTERIOR



VERTICAL CROSS SECTION
CONCRETE/MASONRY INSTALLATION



INTERIOR

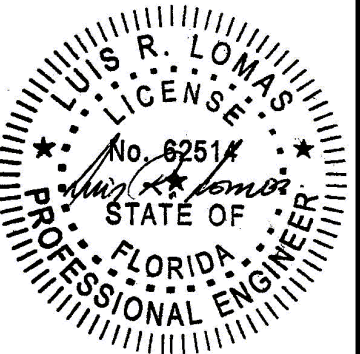
EXTERIOR

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CONCRETE/MASONRY INSTALLATION

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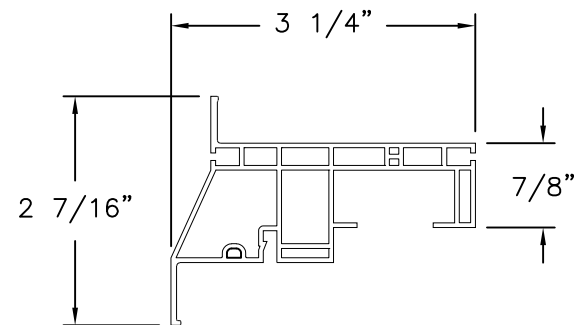
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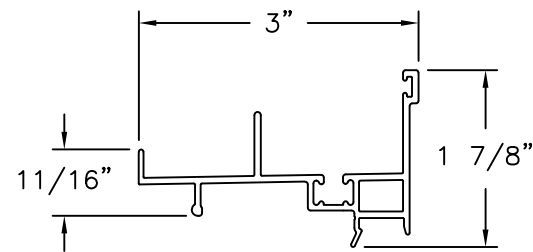


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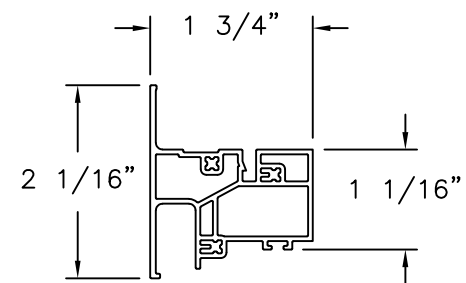
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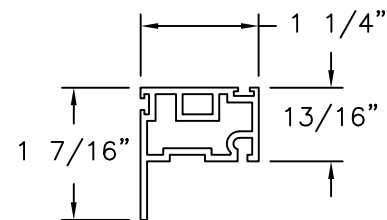
HEAD, SILL AND JAMB
PVC



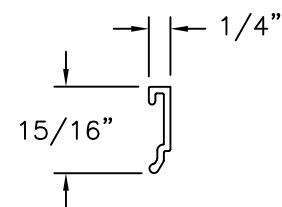
SNAP IN SILL
PVC



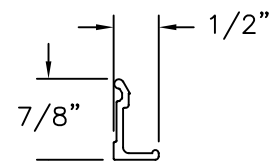
FIXED MEETING RAIL
PVC



SASH RAIL
PVC



GLAZING BEAD
PVC



LIFT BEAD
PVC

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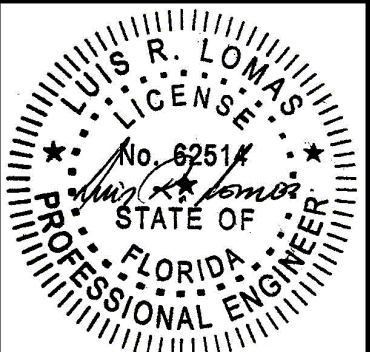
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