

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
B	REVISED PER NEW CODE	10/26/2023	R.L.

NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE FLORIDA BUILDING CODE.
2. WOOD FRAMING 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" 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. 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 UNIT FRAME INTERIOR FACE SO THAT FULL FRAME SUPPORT IS PROVIDED.
7. SHIM AS NEEDED 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, SEE SHEET 2 FOR GLASS DETAILS.
12. APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS UP TO WIND ZONE 3.

13. FOR ANCHORING THROUGH FIN 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 FIN 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.
15. 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.
16. 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.
17. 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.
18. ALL FASTENERS TO BE CORROSION RESISTANT.
19. 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:
 - 19.1. WOOD: MINIMUM SPECIFIC GRAVITY OF G=0.42
 - 19.2. CONCRETE: MINIMUM COMPRESSIVE STRENGTH OF 2,000 PSI.
 - 19.3. MASONRY: HOLLOW/FILLED BLOCK PER ASTM C90 WITH Fm=2,000PSI MINIMUM.
 - 19.4. METAL STRUCTURE: STEEL 18GA (.048") FY=33KSI/FU=52KSI OR ALUMINUM 6063-T5 FU=30KSI .125" THICK MINIMUM

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12	COMPONENTS

MI WINDOWS & DOORS, LLC.
650 WEST MARKET STREET
GRATZ, PA 17030

SERIES 1620 PVC SINGLE HUNG WINDOW
48" X 84" IMPACT
NOTES

DRAWN:
A.R.

DWG NO.
08-03668

REV
B

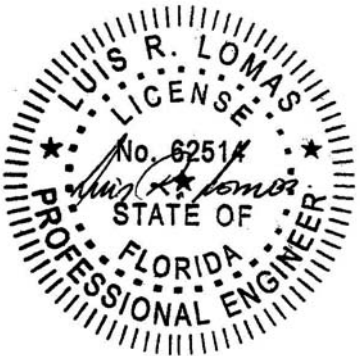
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DATE 12/17/2020

SHEET 1 OF 12

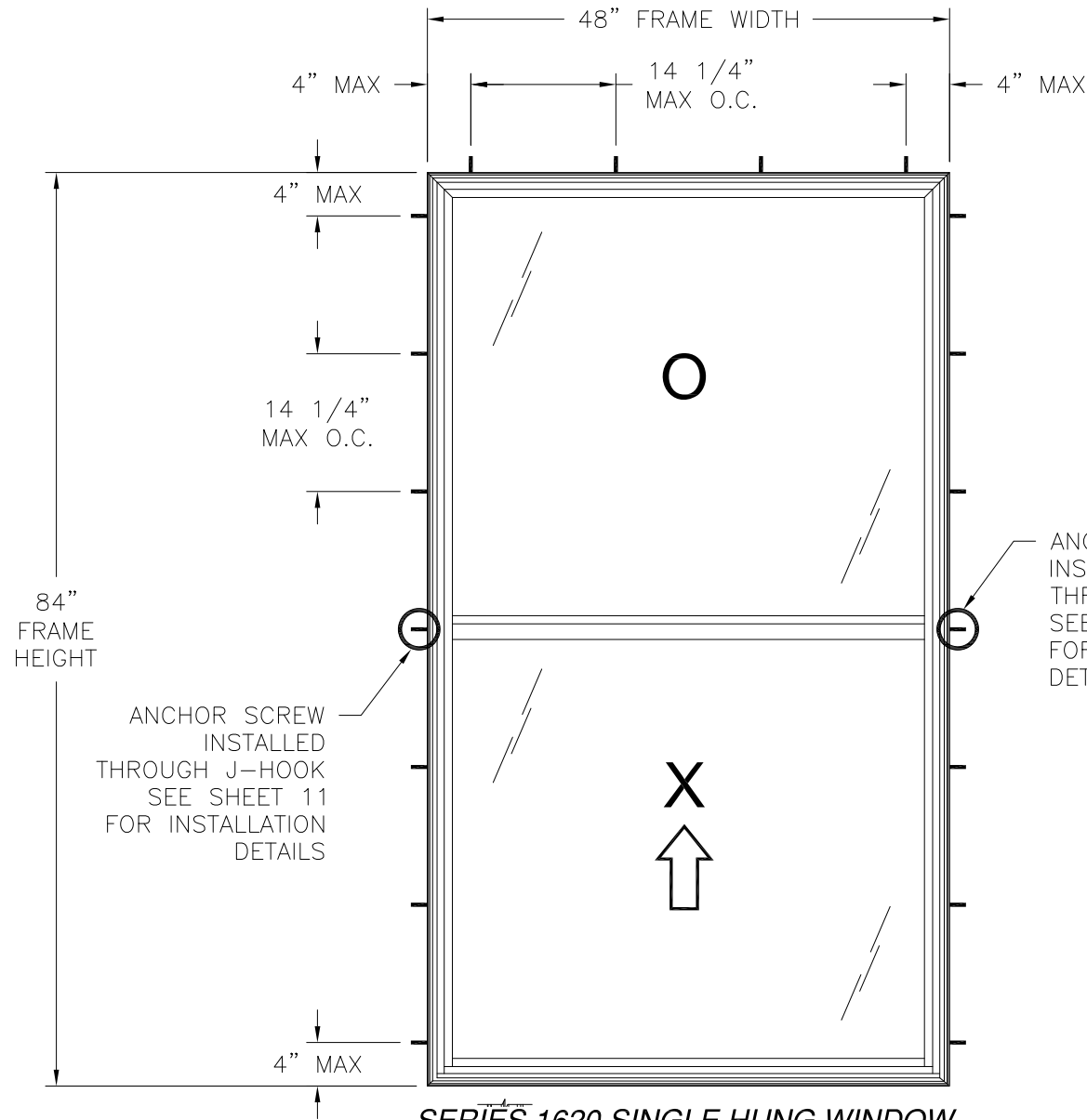
L. ROBERTO LOMAS P.E.
208 7th Ave, INDIALANTIC, FL 32903
434-688-0609 rllomas@lrlomaspe.com

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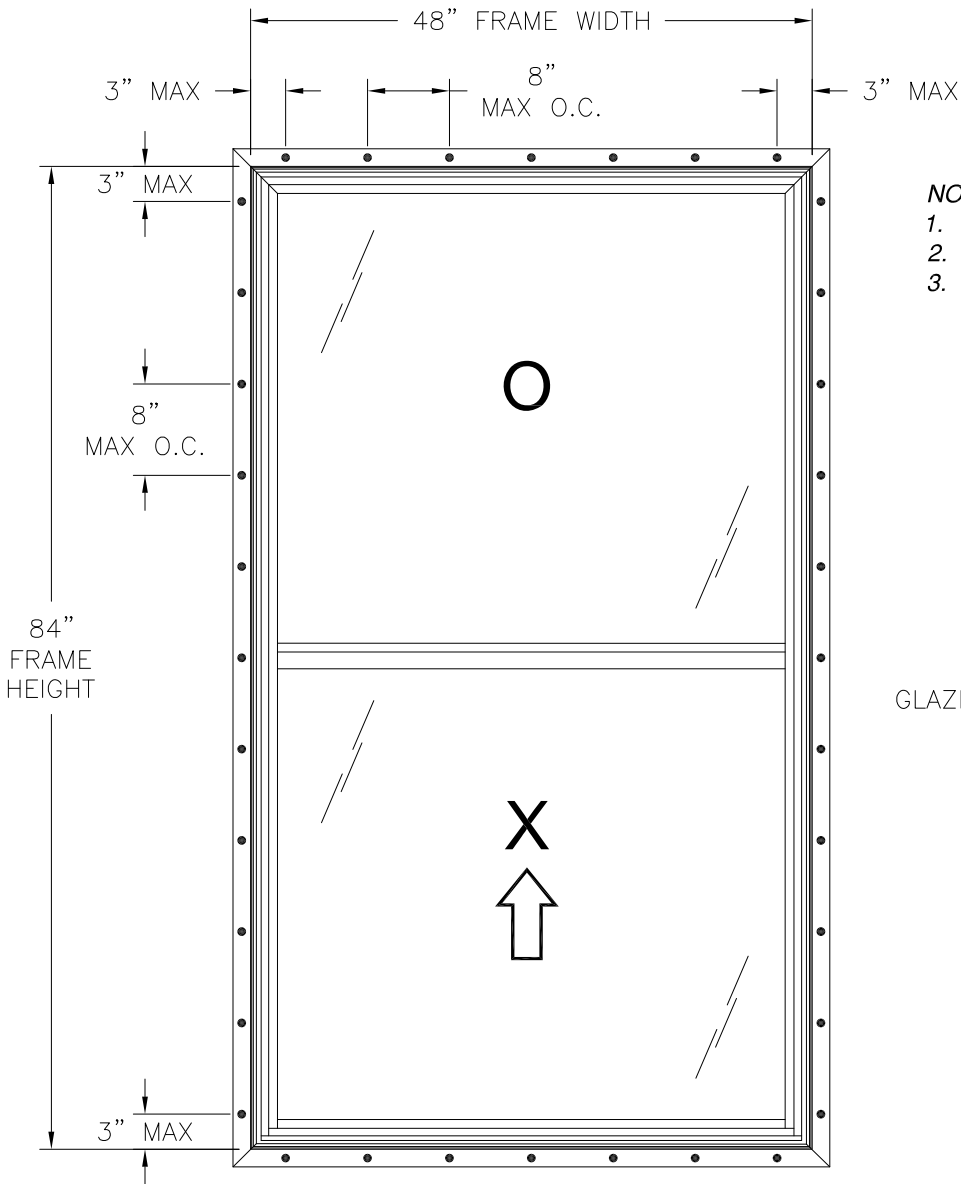


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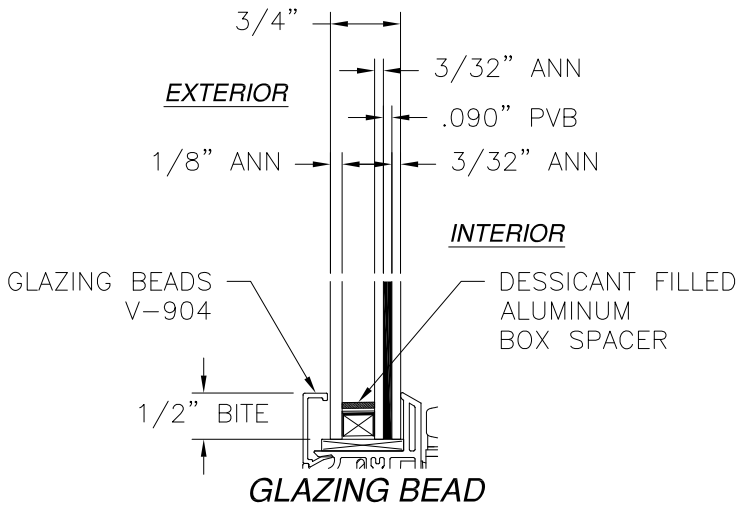


SERIES 1620 SINGLE HUNG WINDOW
EXTERIOR VIEW
FRAME INSTALLATION



SERIES 1620 SINGLE HUNG WINDOW
EXTERIOR VIEW
FIN INSTALLATION

- NOTES:**
1. SASH: 45 5/16" X 41 3/4"
 2. SASH D.L.O.: 41 7/8" X 38 3/16"
 3. FIXED D.L.O.: 43 3/8" X 35 5/16"



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

MISSILE LEVEL D, WIND ZONE 3
48" X 84" UNIT SHOWN. OTHER SIZES APPROVED AS LONG AS
FRAME AREA DOES NOT EXCEED 28.0 FT²

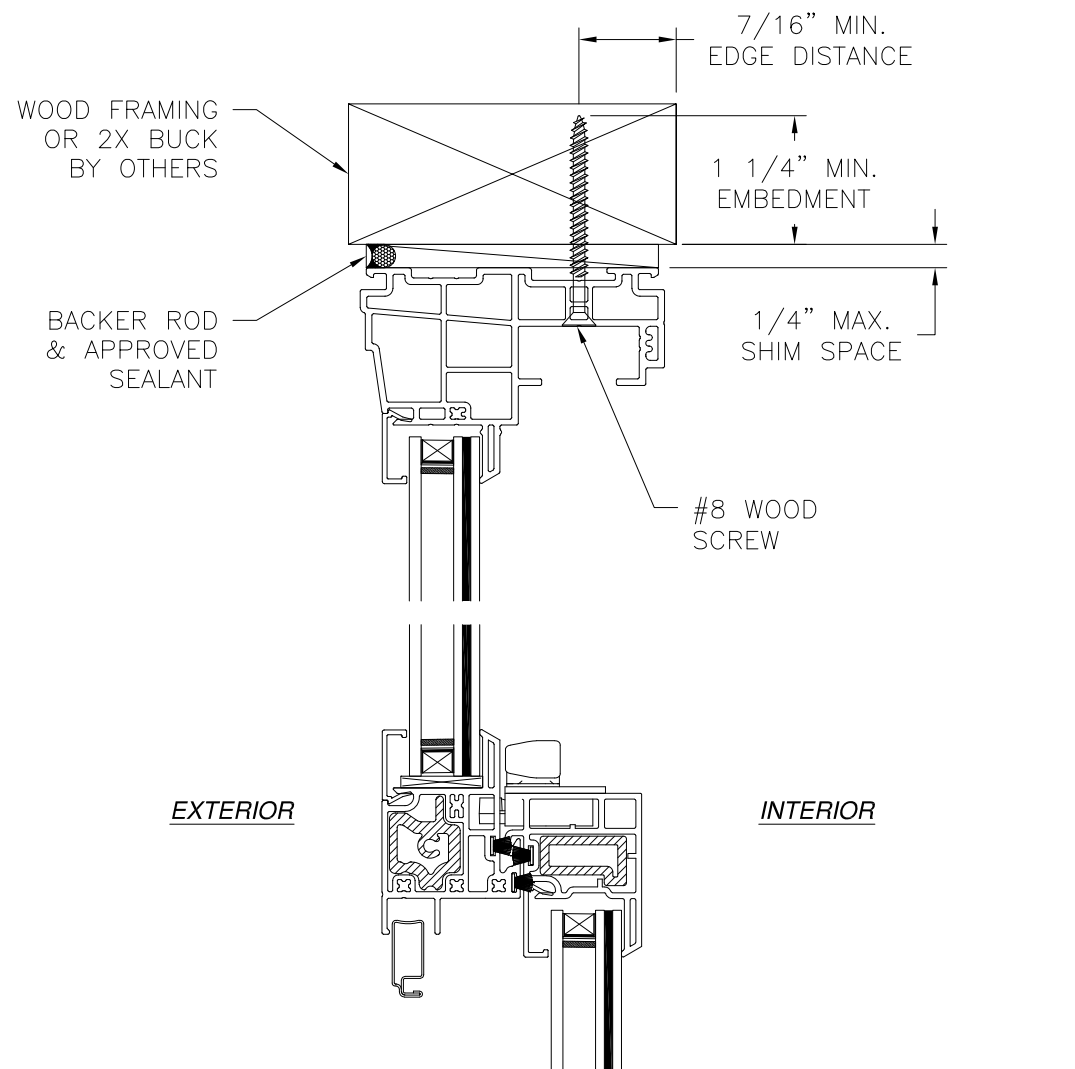
HARDWARE SCHEDULE	
A.	(2) SWEEP LOCKS WITH KEEPERS AT MEETING RAIL, 7" FROM EACH CORNER
B.	(2) SURFACE MOUNTED TILT LATCHES AT MEETING RAIL CORNERS
C.	(2) PIVOT BARS AT BOTTOM RAIL CORNERS
D.	(2) CONSTANT FORCE BALANCES AT JAMBS
E.	ALUMINUM REINFORCEMENT (M-2266) AT BOTTOM RAIL AND STILES
F.	ALUMINUM REINFORCEMENT (M-2115) AT SASH MEETING RAIL
G.	ALUMINUM REINFORCEMENT (M-2343) AT FIXED MEETING RAIL

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SERIES 1620 PVC SINGLE HUNG WINDOW 48" X 84" IMPACT ELEVATIONS		
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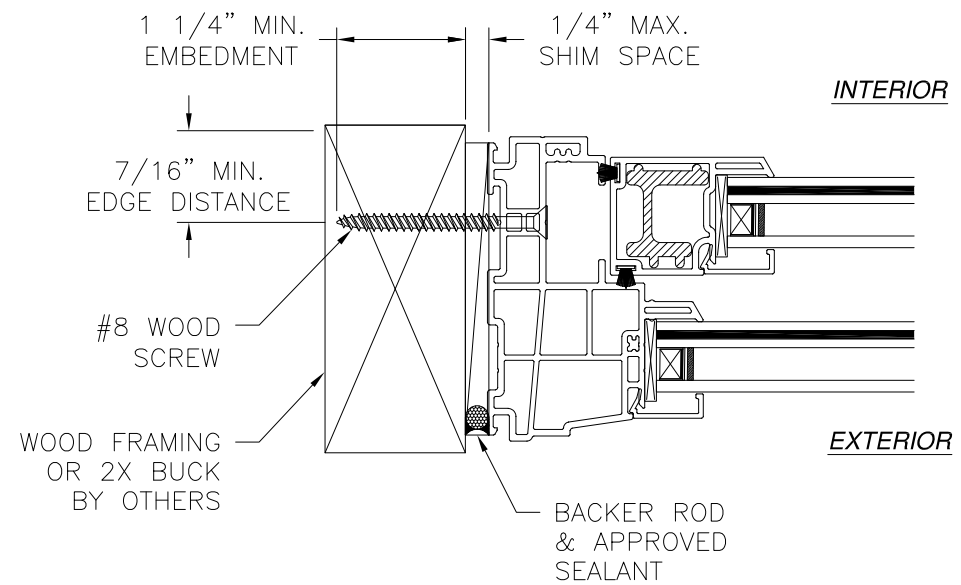
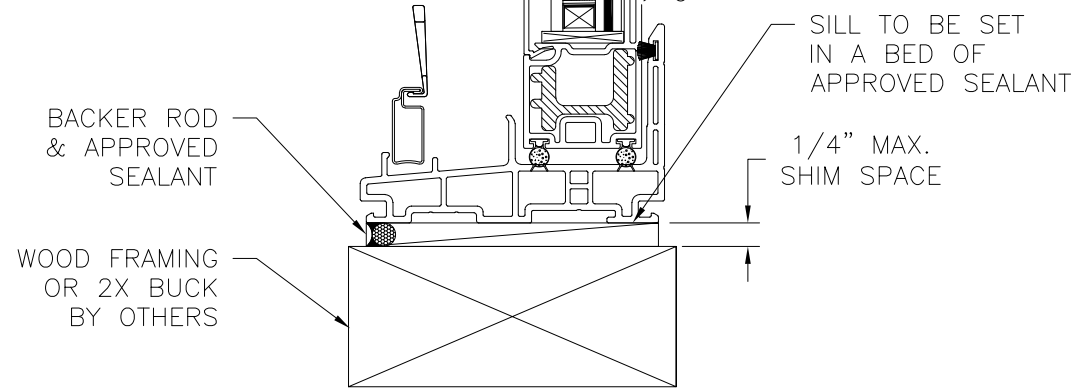
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VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION



JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

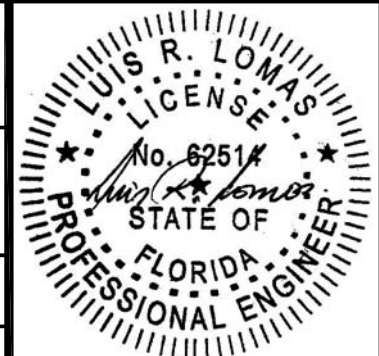
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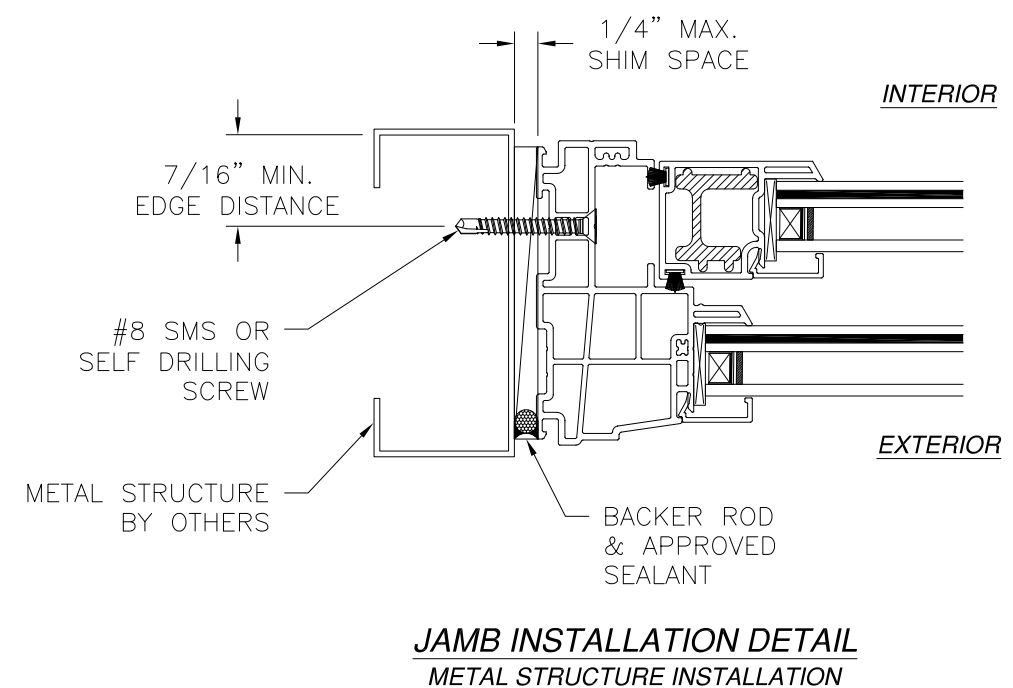
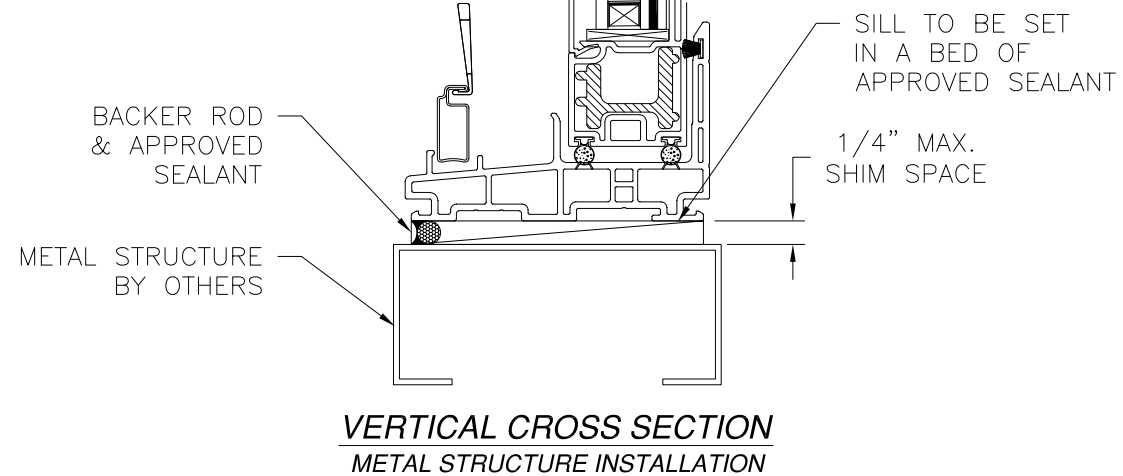
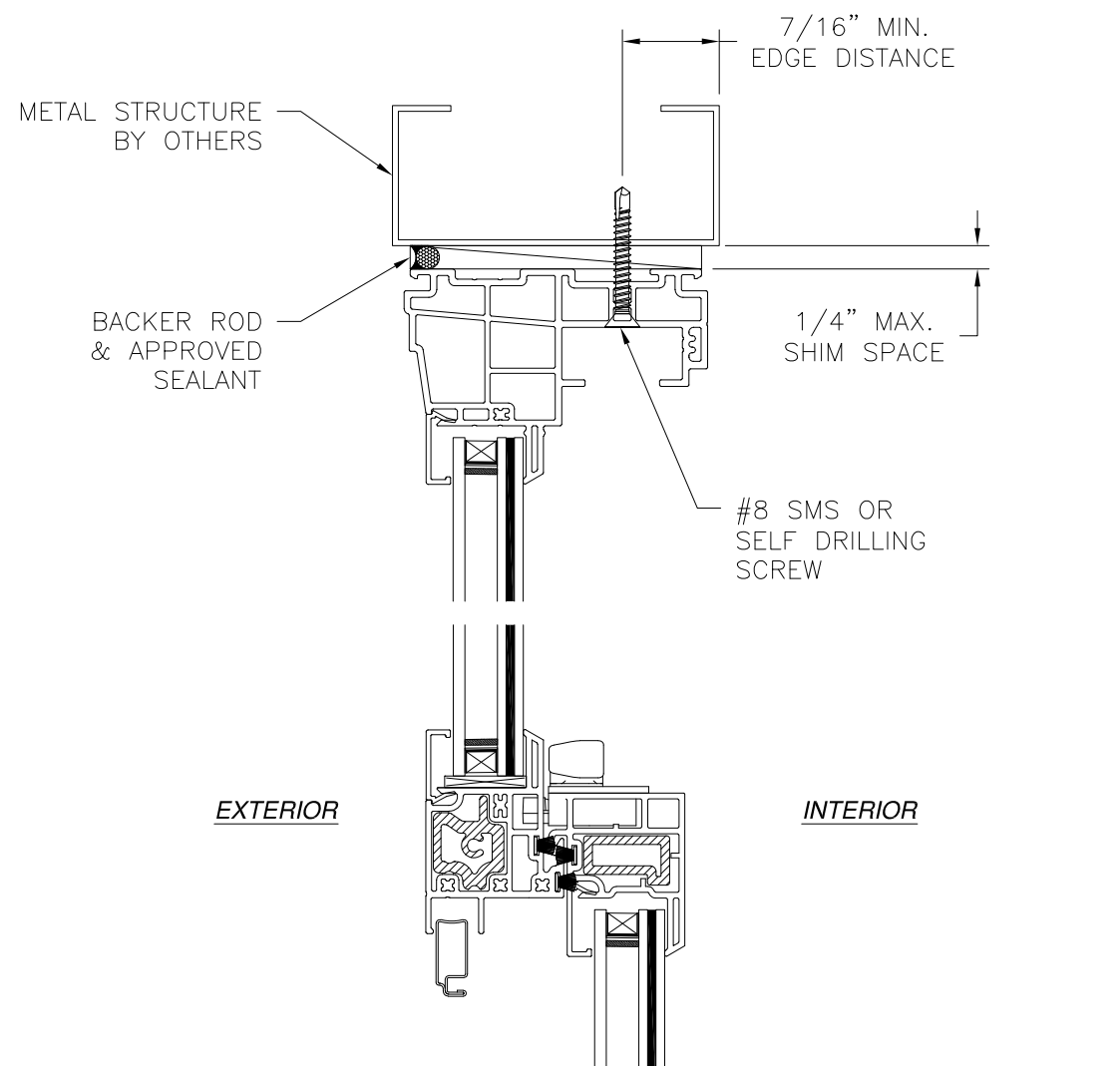
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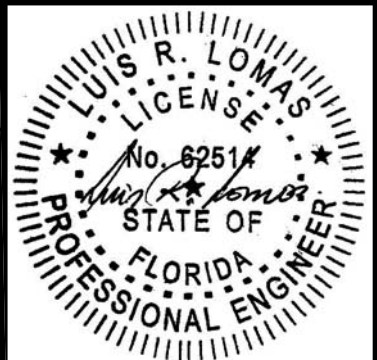
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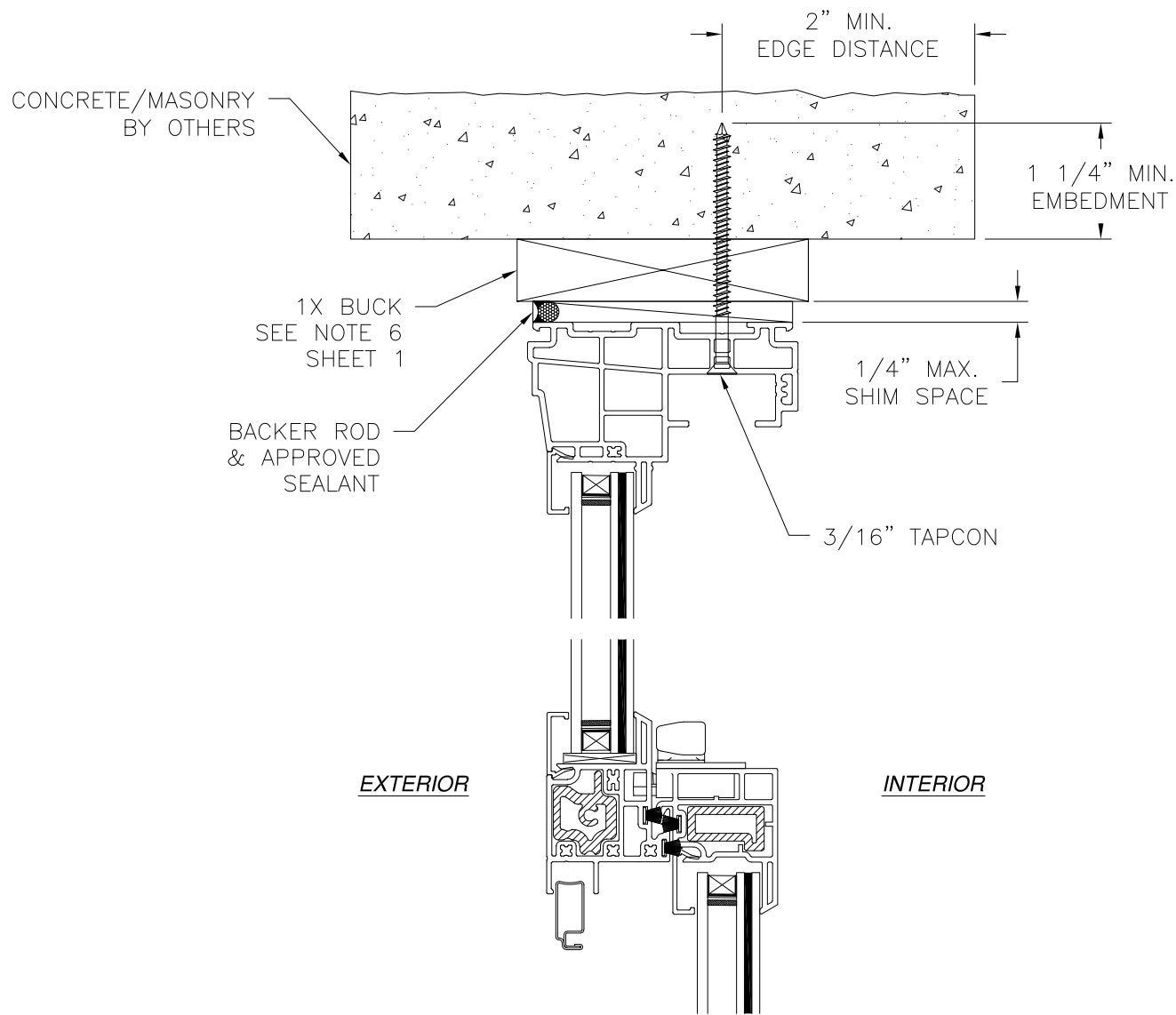
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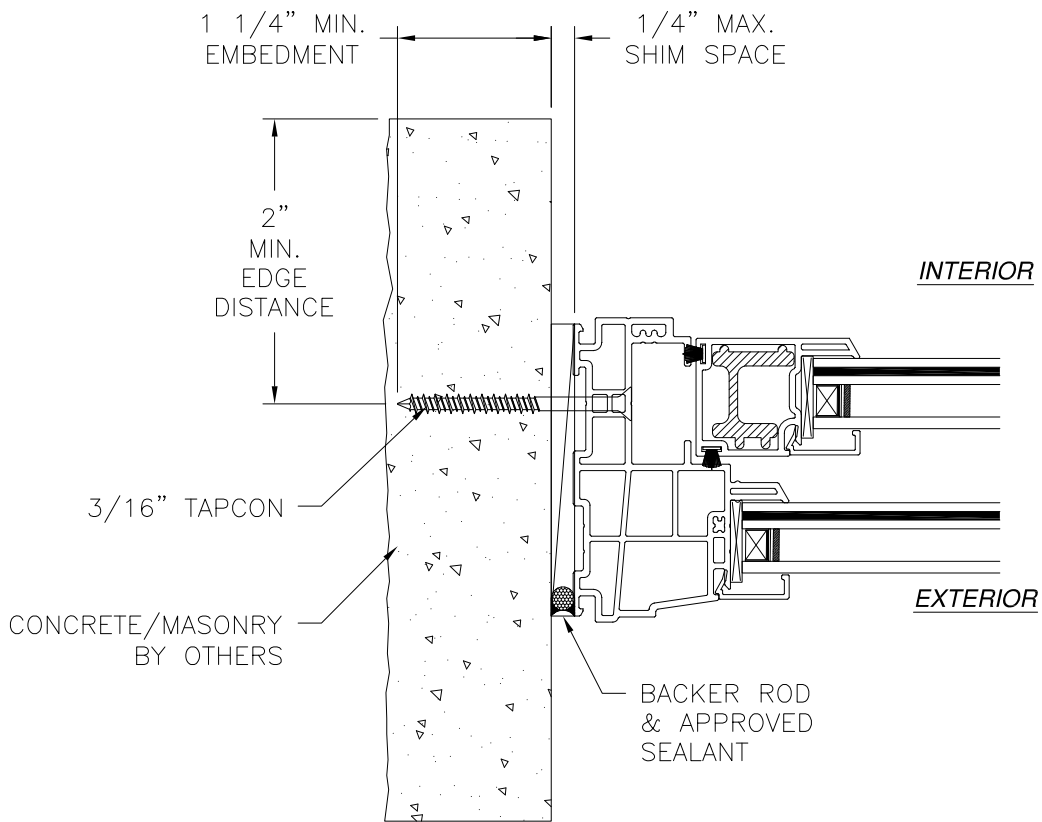
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VERTICAL CROSS SECTION
CONCRETE/MASONRY WITH 1X BUCK INSTALLATION
FOR CONCRETE/MASONRY WITHOUT 1X BUCK REFER TO
JAMB INSTALLATION DETAIL



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

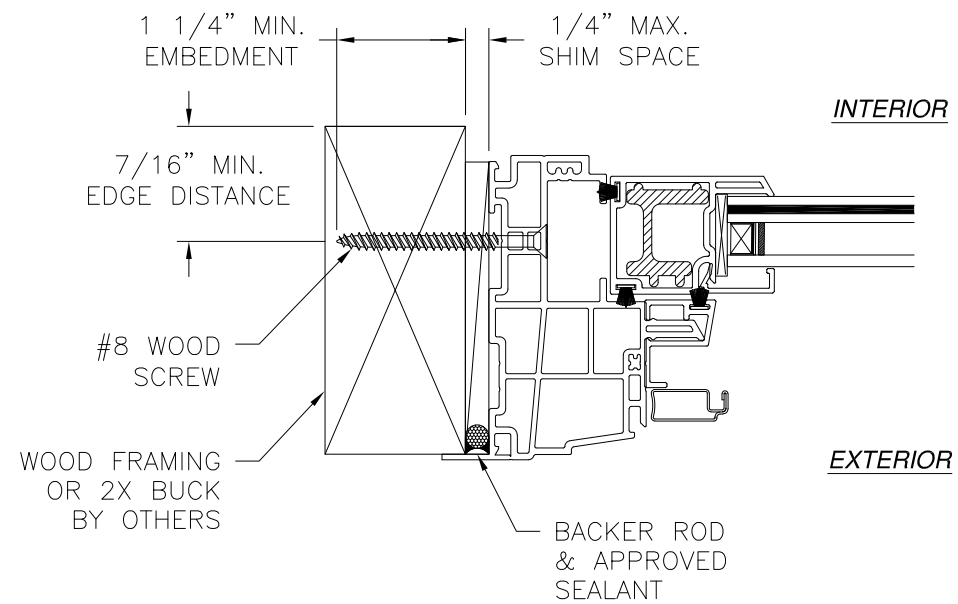
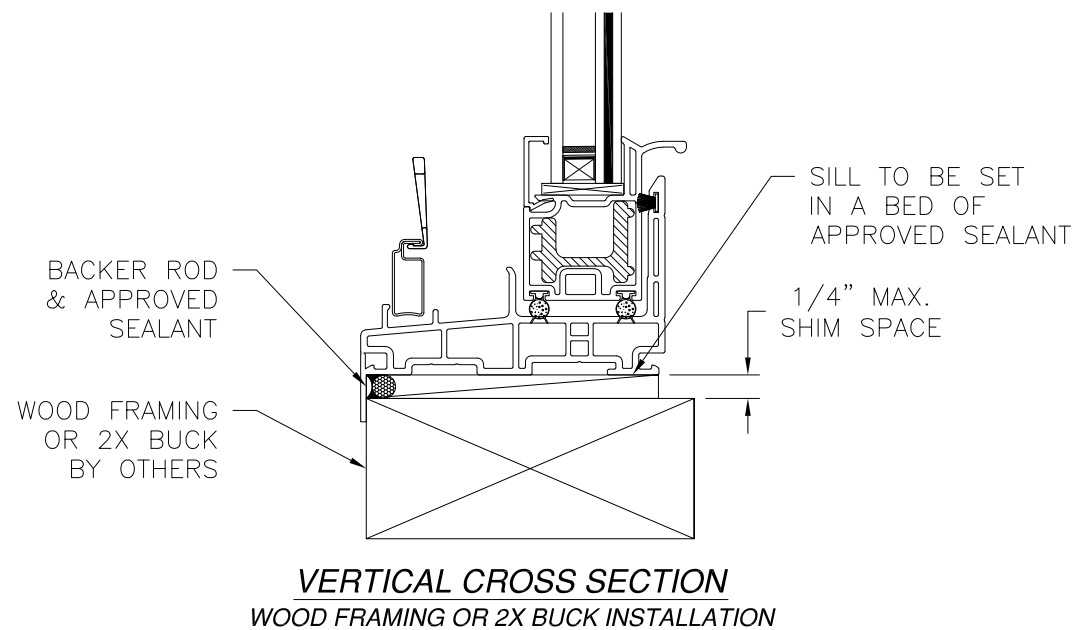
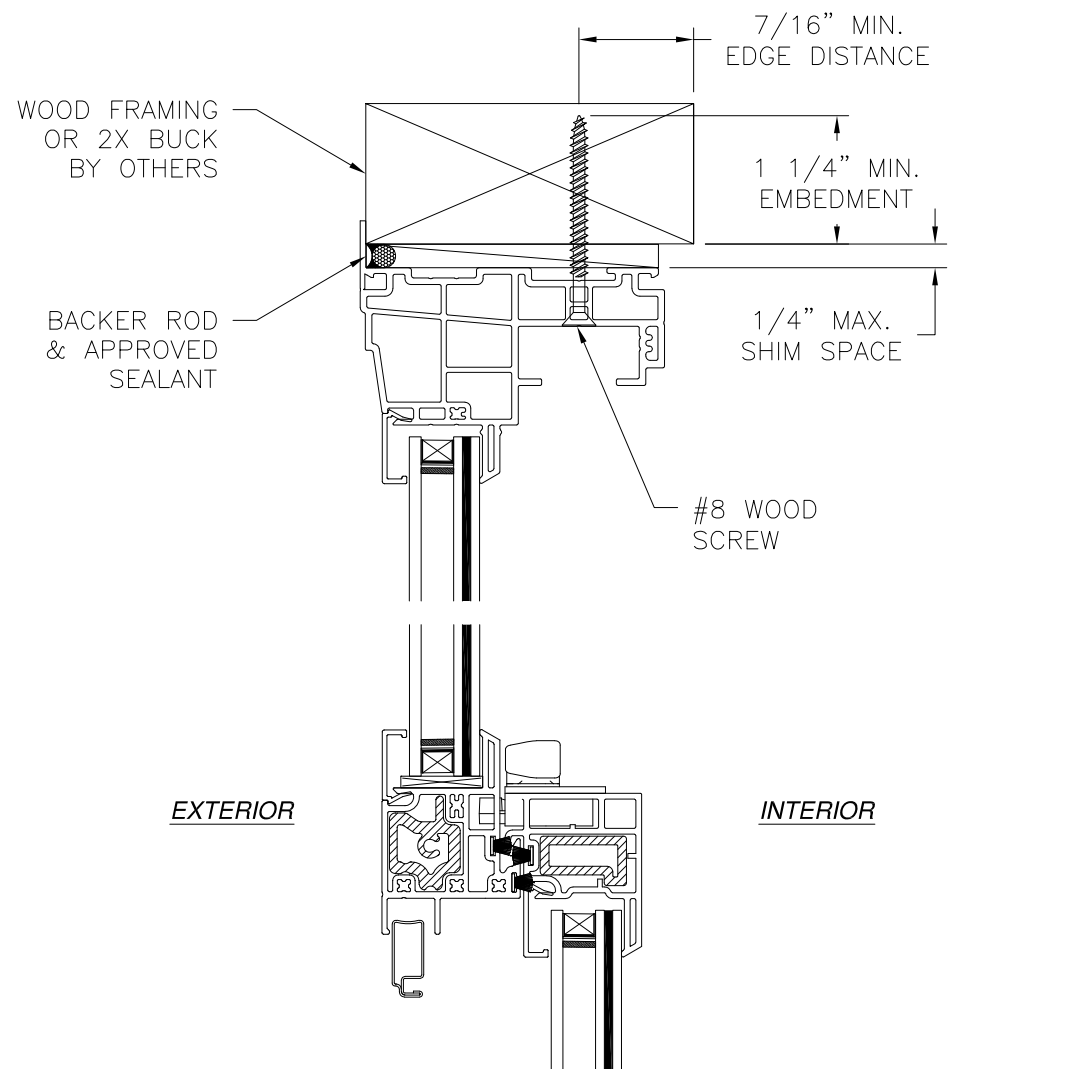
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JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

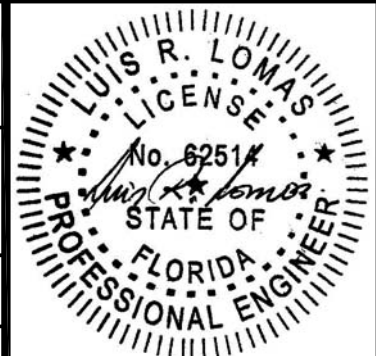
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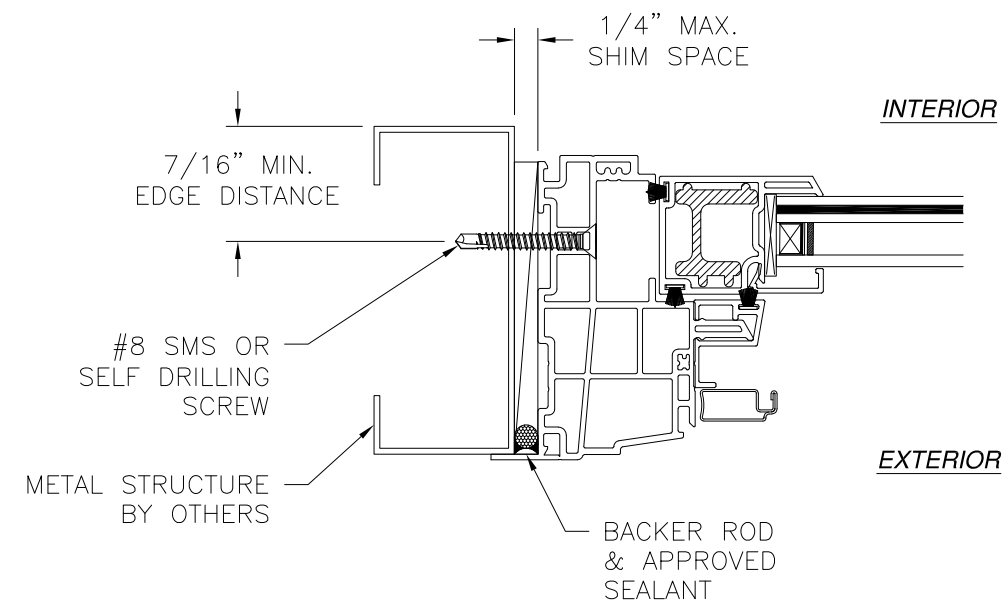
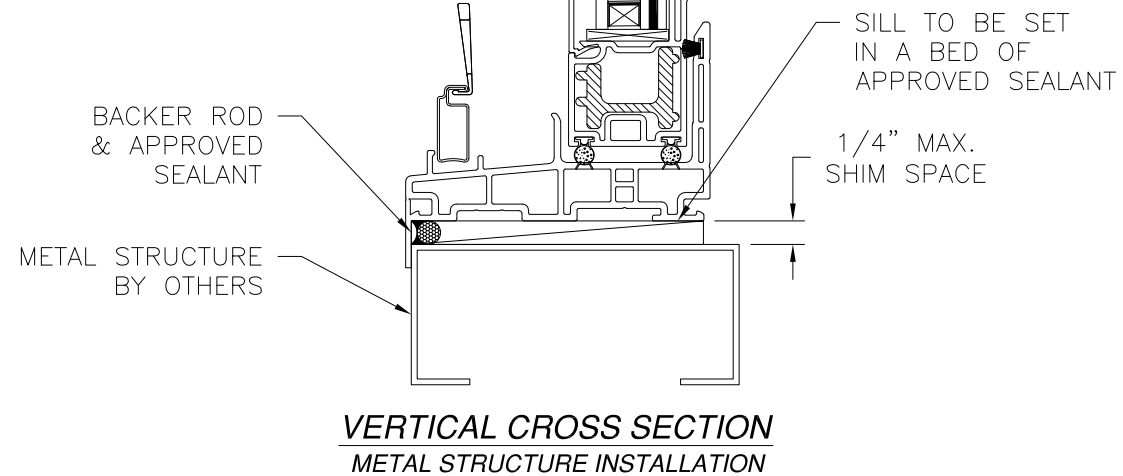
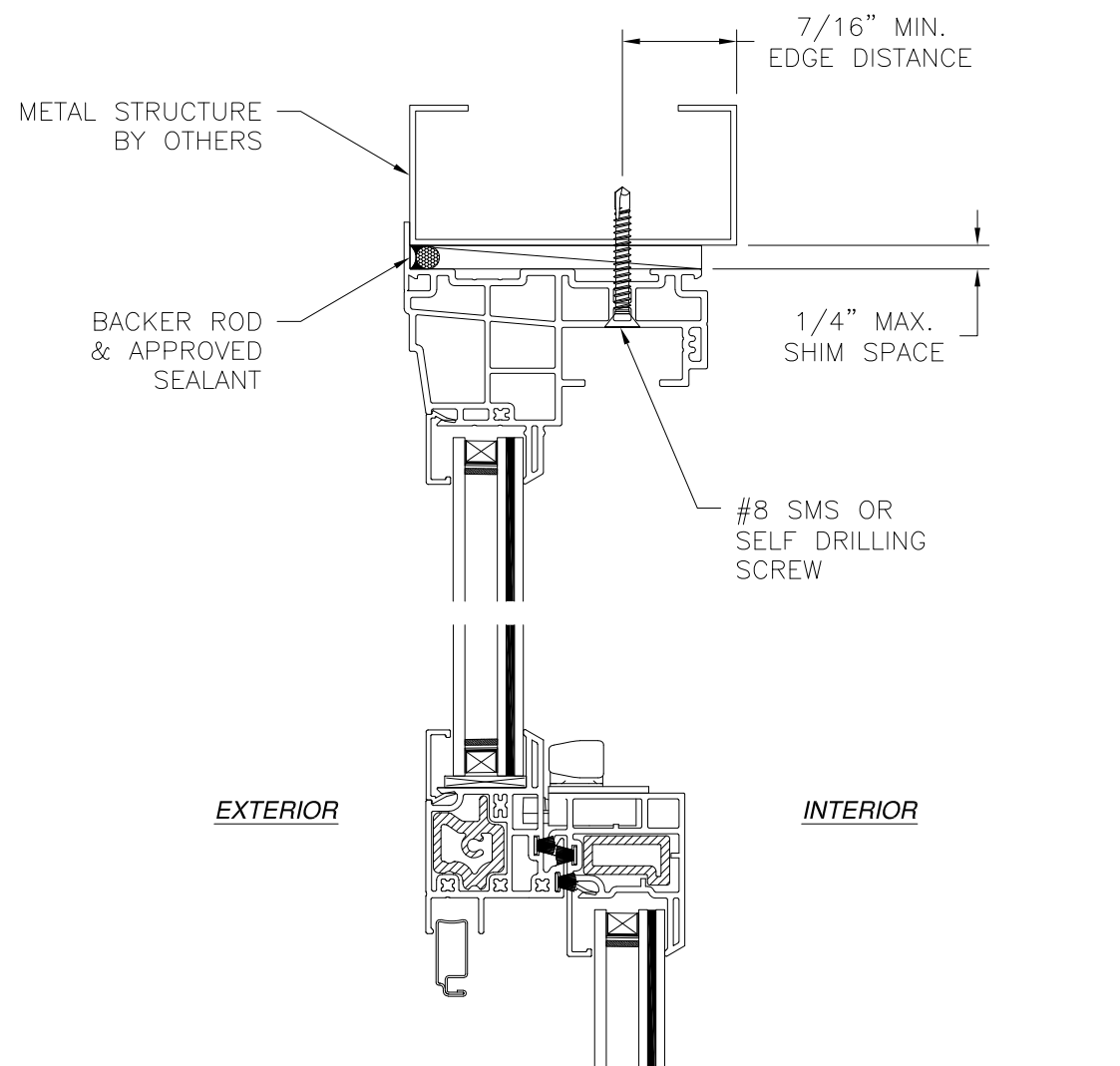
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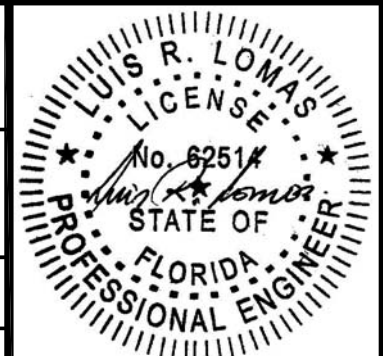
JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION

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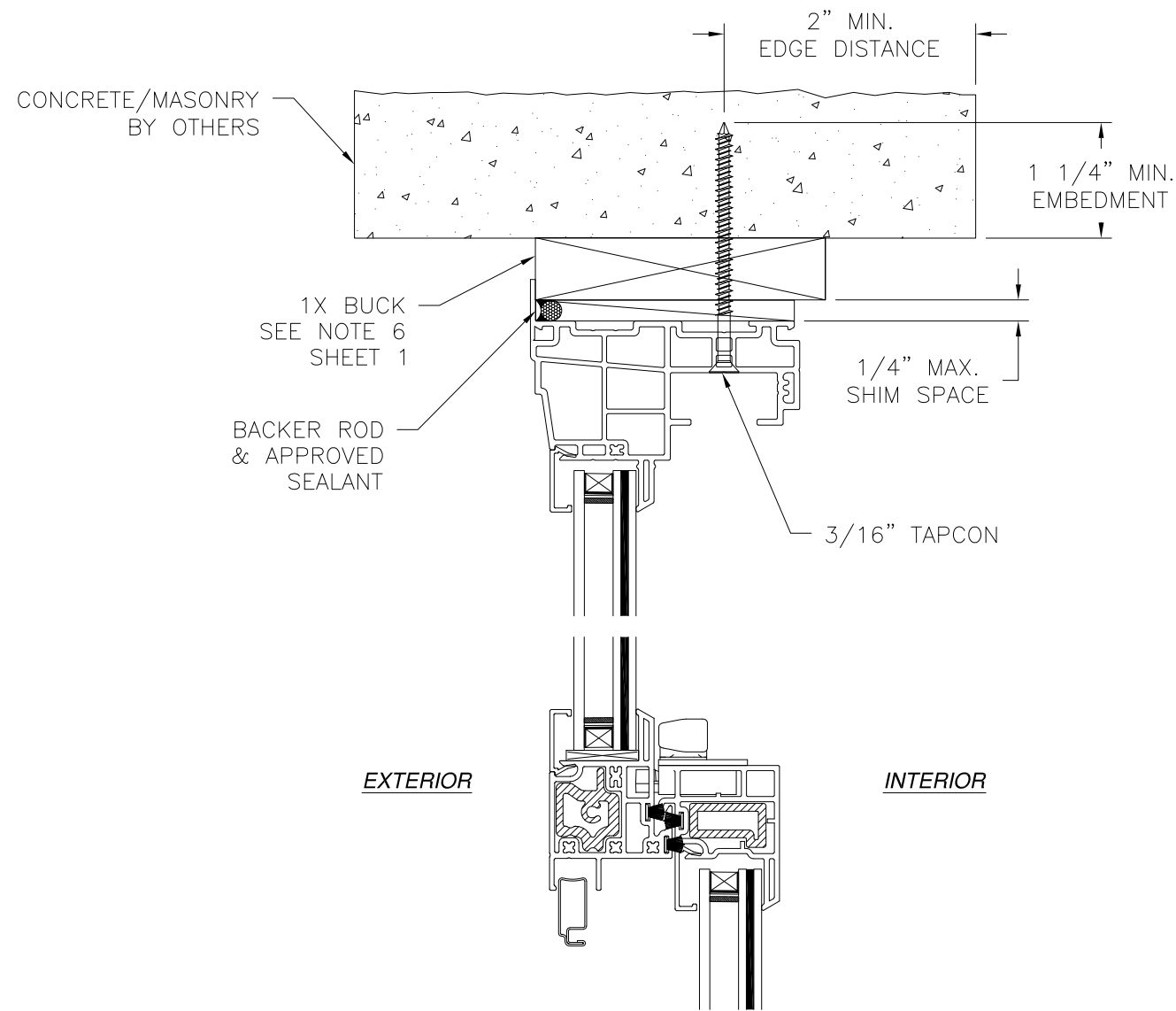
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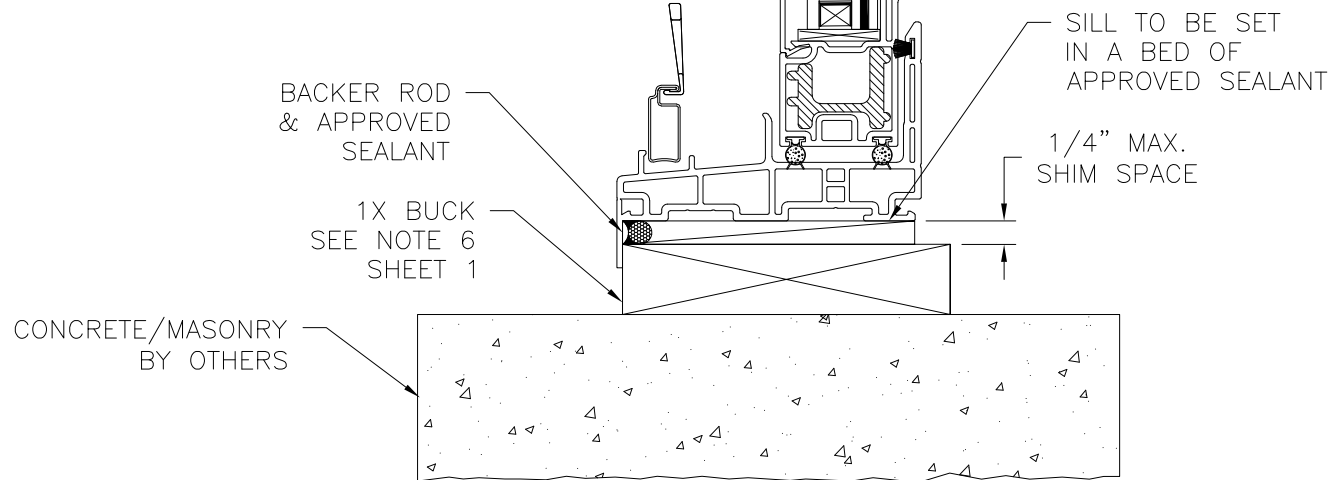


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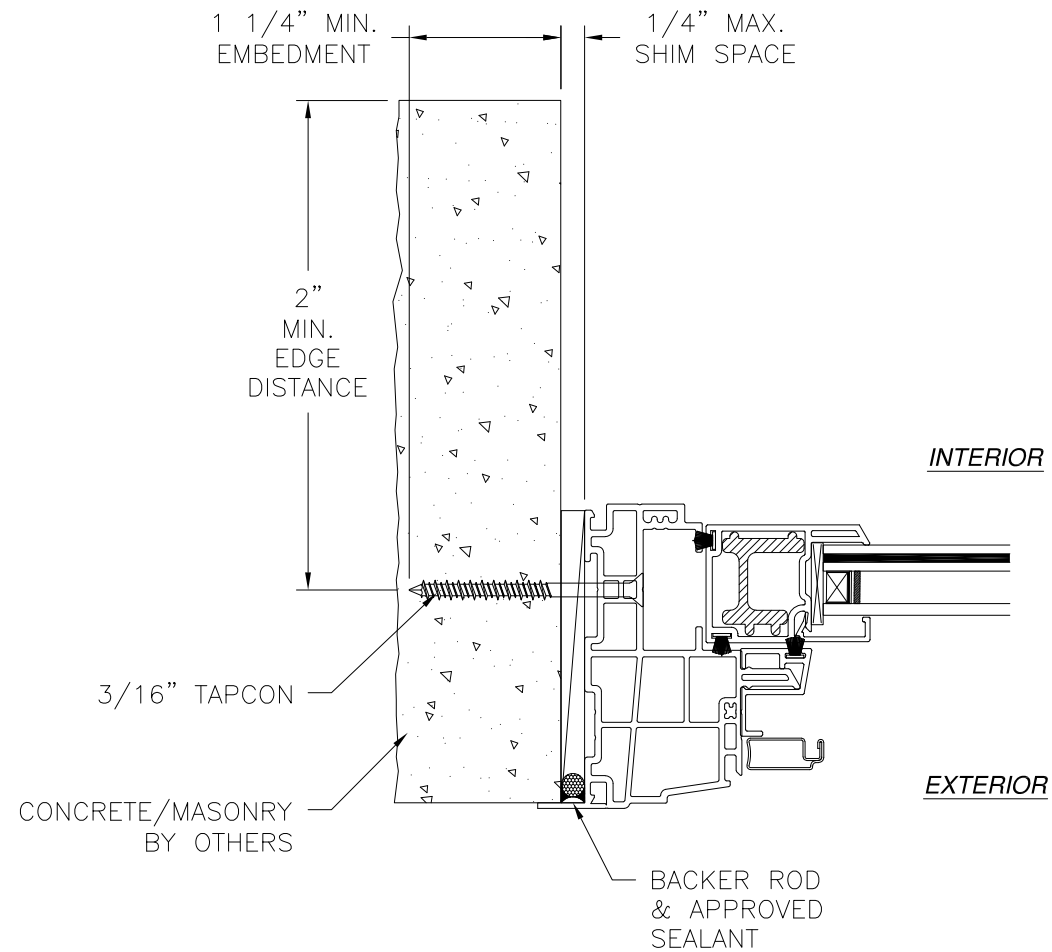


EXTERIOR

INTERIOR



VERTICAL CROSS SECTION
CONCRETE/MASONRY WITH 1X BUCK INSTALLATION
FOR CONCRETE/MASONRY WITHOUT 1X BUCK REFER TO
JAMB INSTALLATION DETAIL



JAMB INSTALLATION DETAIL
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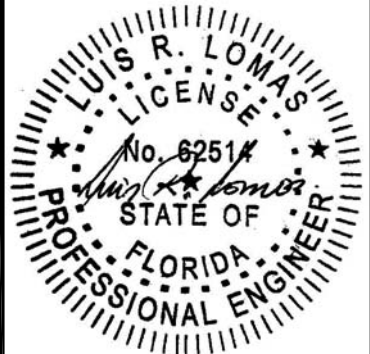
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GRATZ, PA 17030

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INSTALLATION DETAILS W/FLANGE

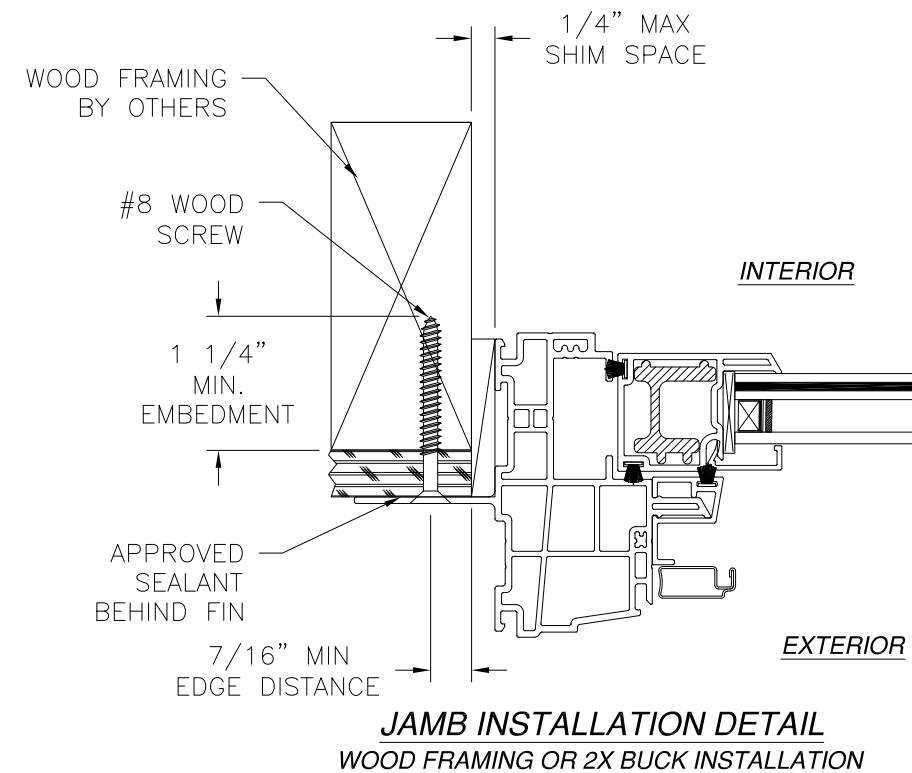
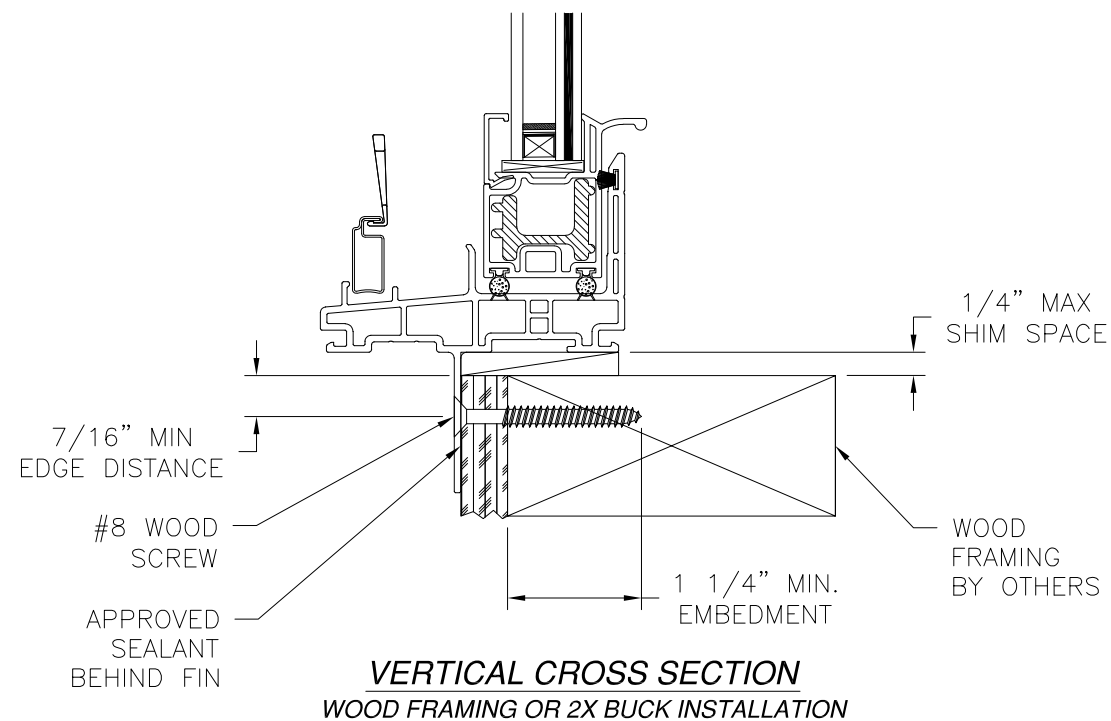
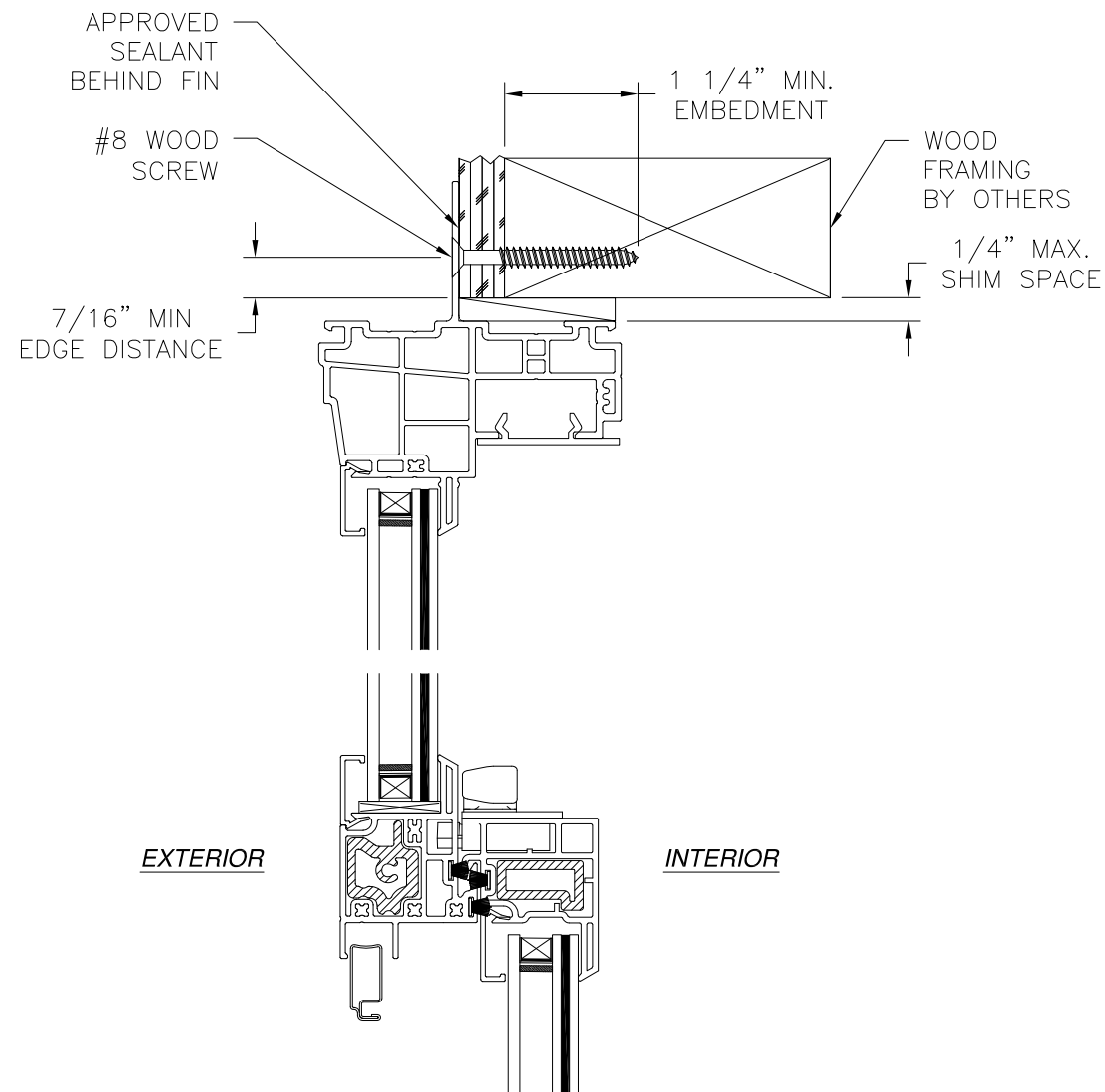
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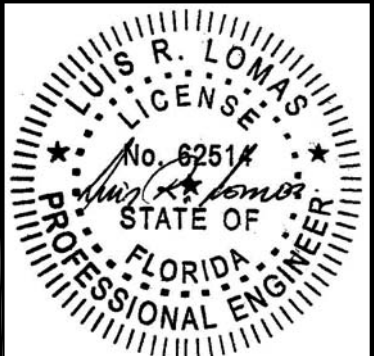


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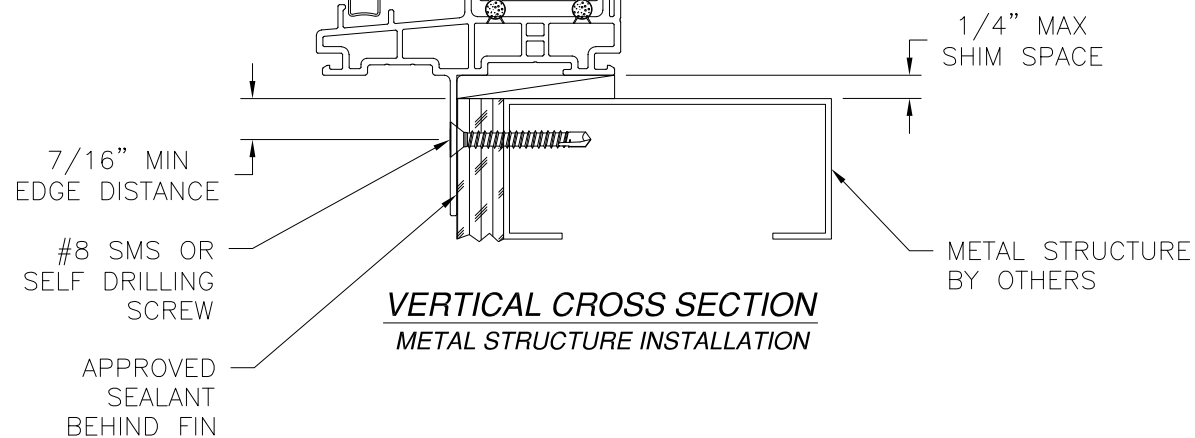
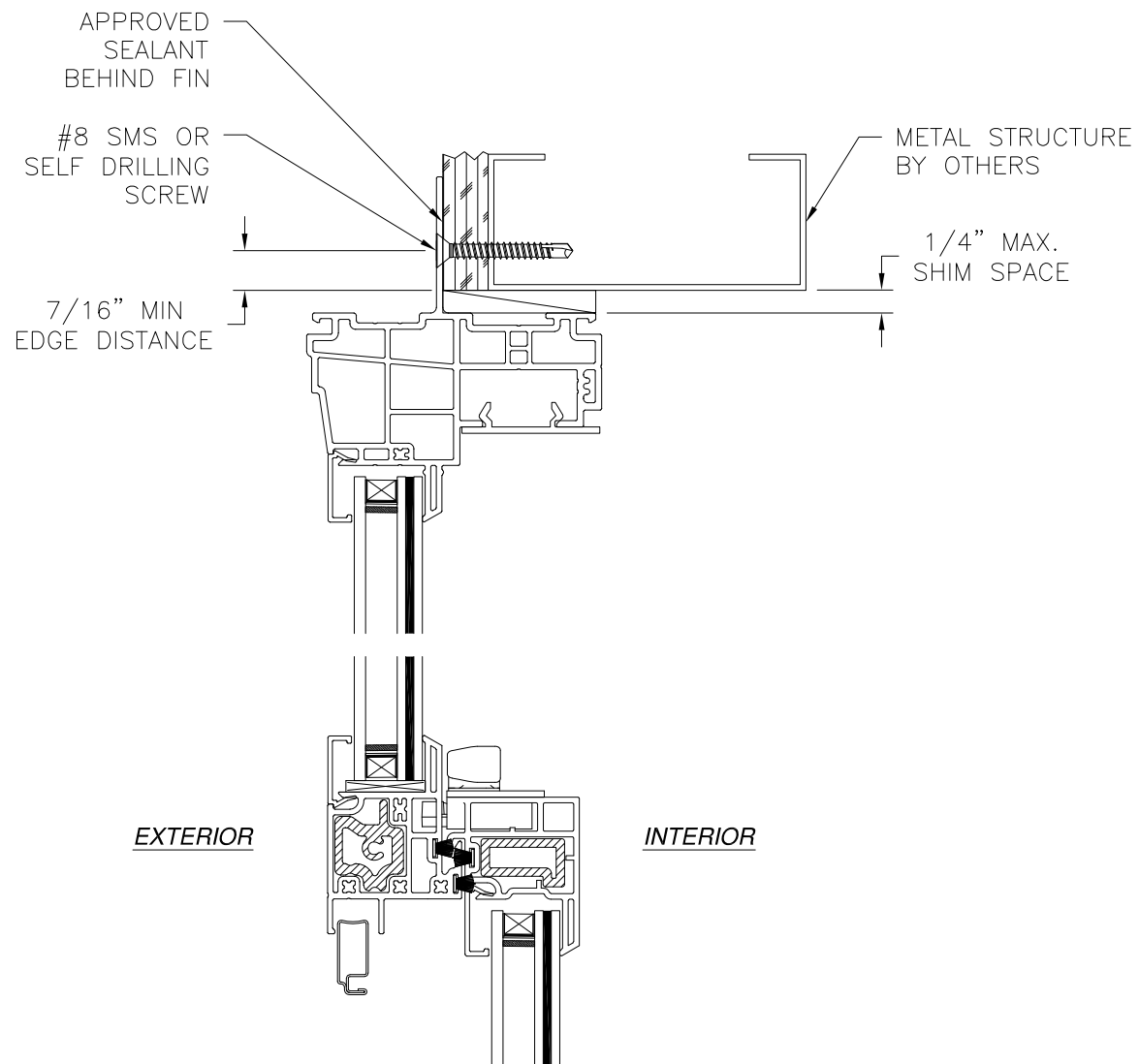
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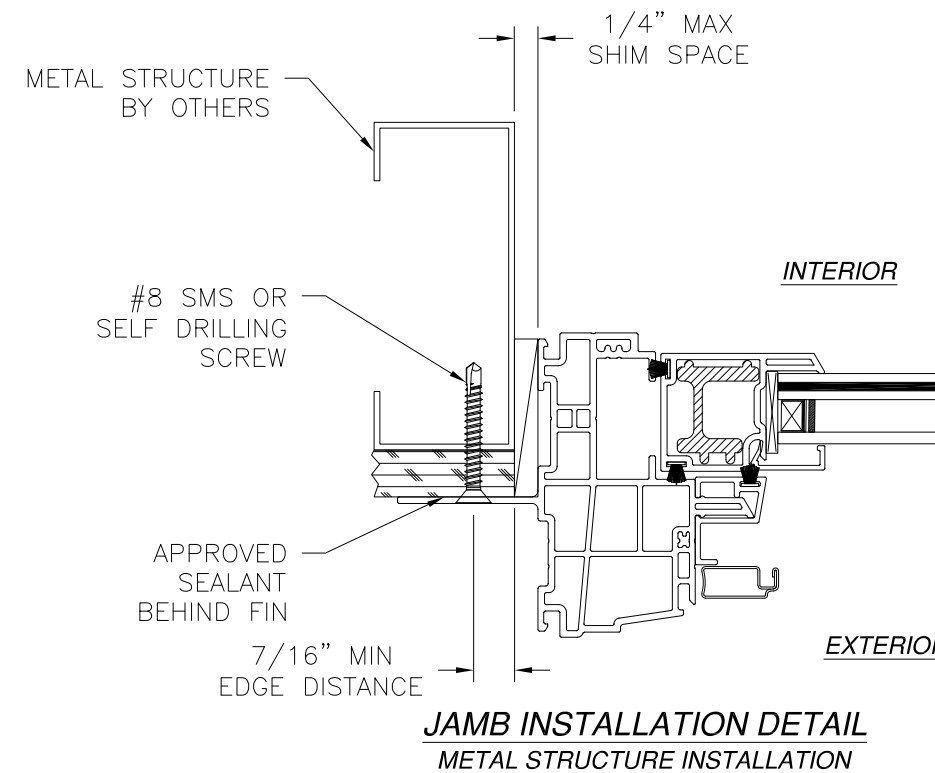
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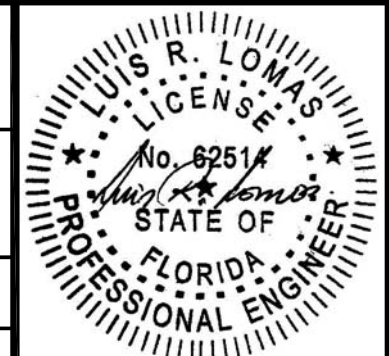


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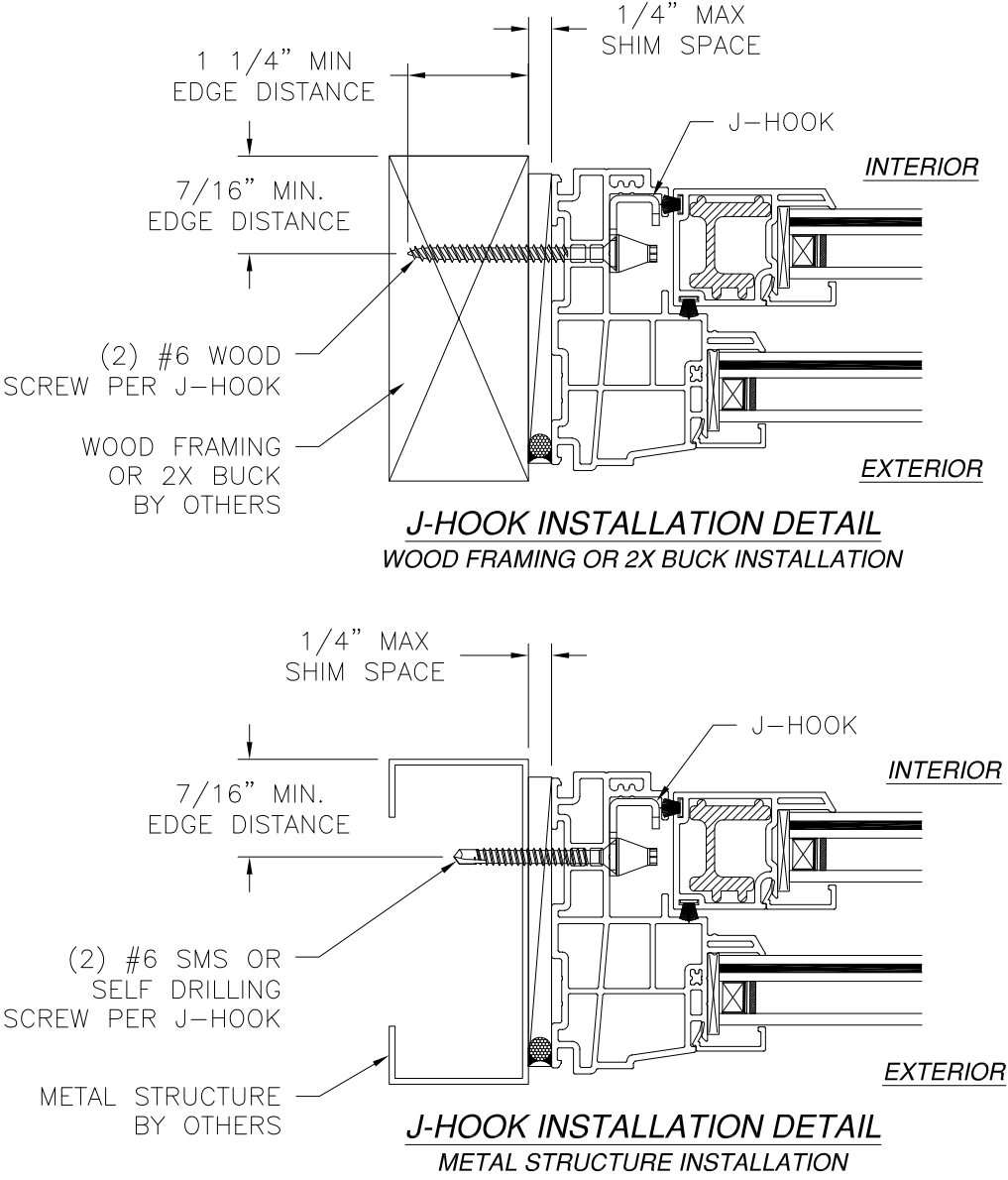
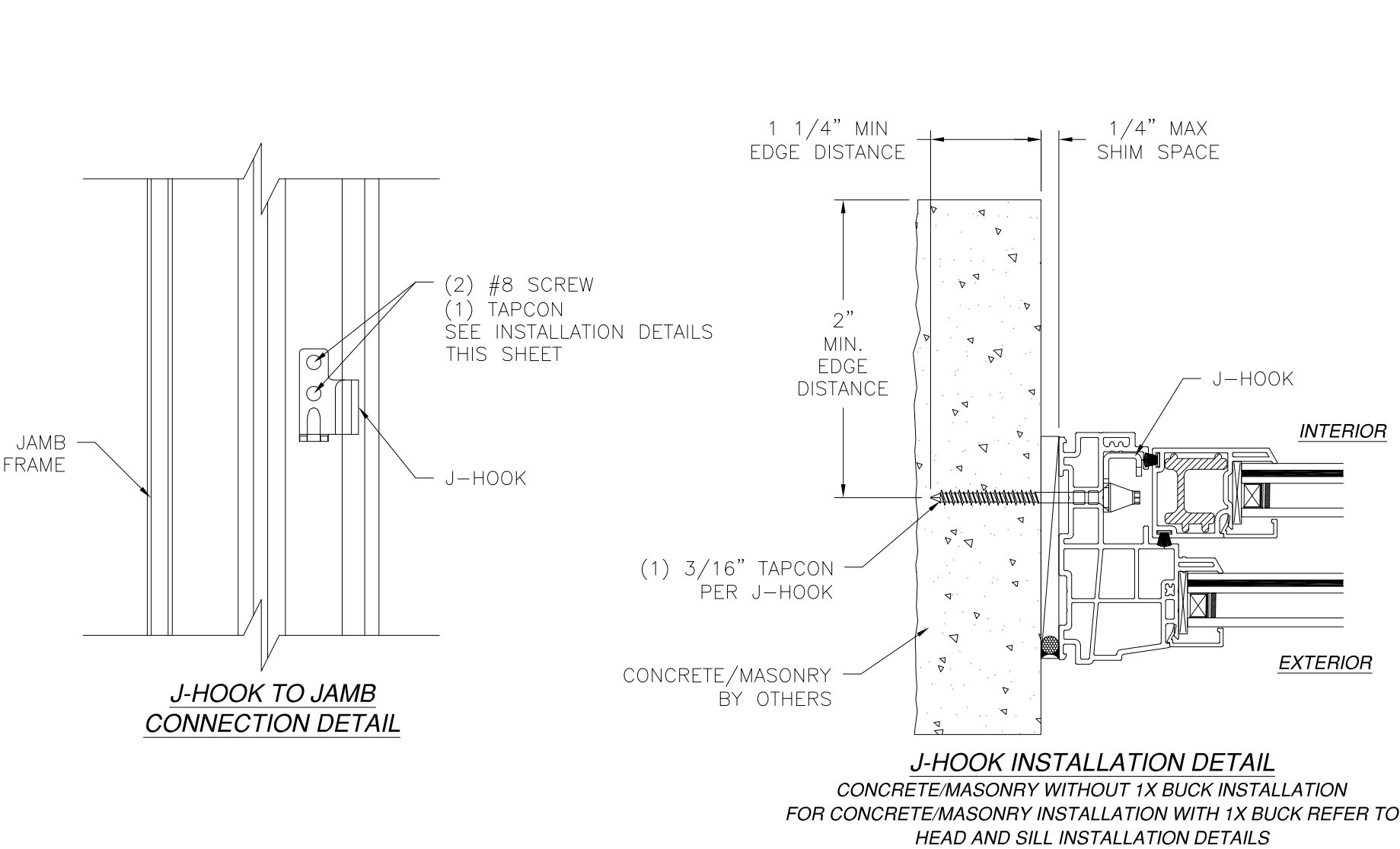
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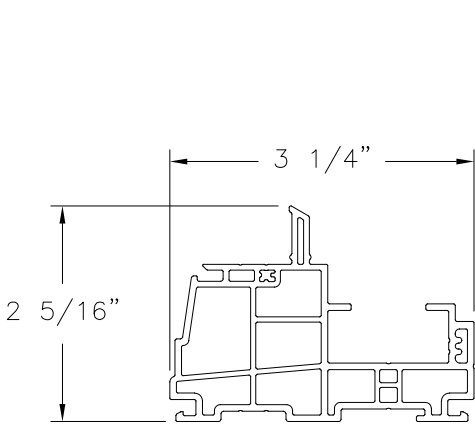
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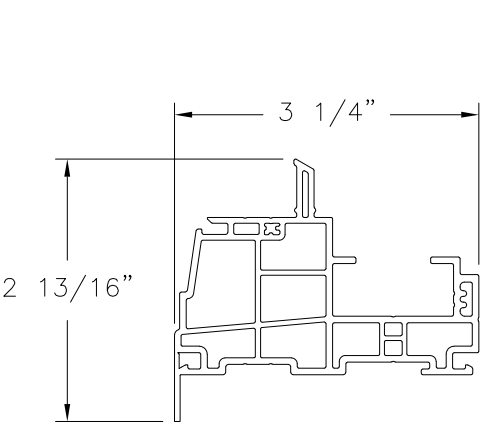


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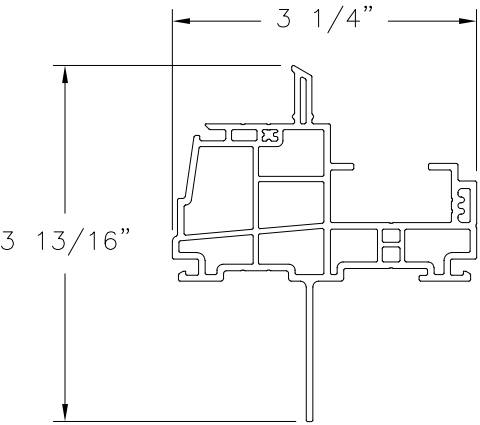
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
B	REVISED PER NEW CODE	10/26/2023	R.L.



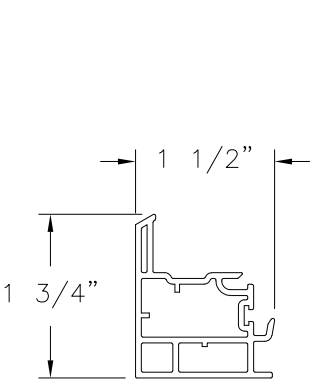
**HEAD AND JAMB
FINLESS (V-1008)**
EXTRUDED RIGID PVC



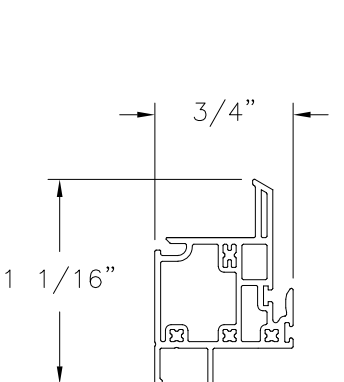
**HEAD AND JAMB
WITH FLANGE (V-1010)**
EXTRUDED RIGID PVC



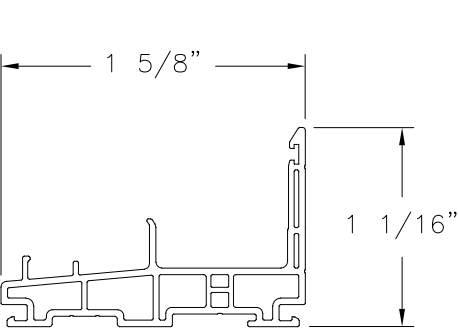
**HEAD AND JAMB
FIN (V-1007)**
EXTRUDED RIGID PVC



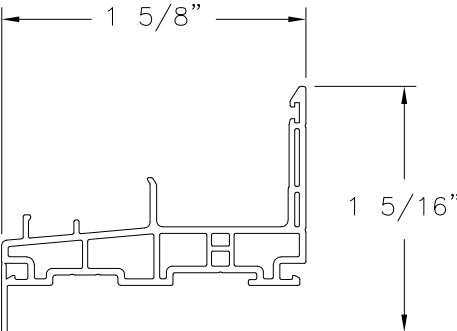
SASH/LOCK RAIL (V-675)
EXTRUDED RIGID PVC



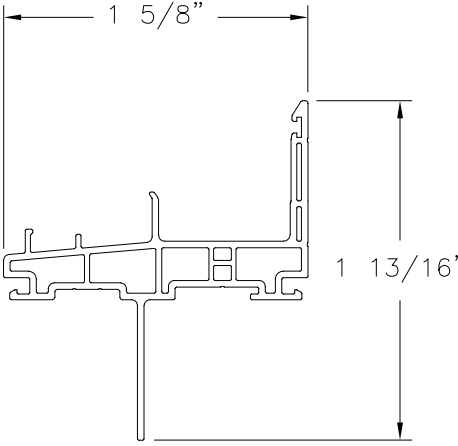
FIXED MEETING RAIL (V-1016)
EXTRUDED RIGID PVC



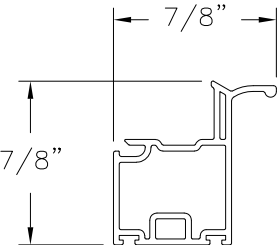
SILL FINLESS (V-1013)
EXTRUDED RIGID PVC



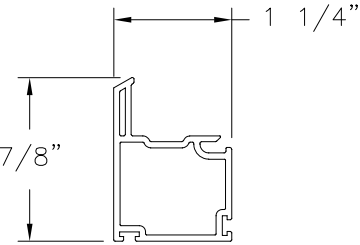
SILL WITH FLANGE (V-1015)
EXTRUDED RIGID PVC



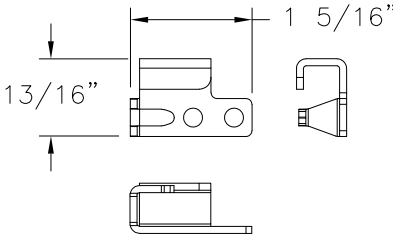
SILL FIN (V-1012)
EXTRUDED RIGID PVC



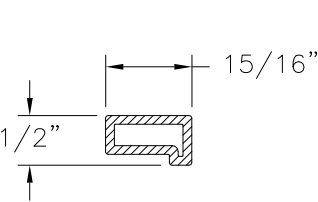
SASH/LIFT RAIL (V-672)
EXTRUDED RIGID PVC



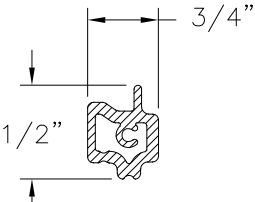
SASH STILE (V-670)
EXTRUDED RIGID PVC



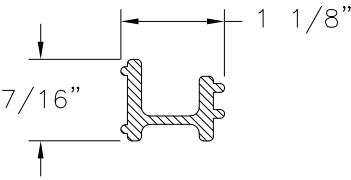
J-HOOK



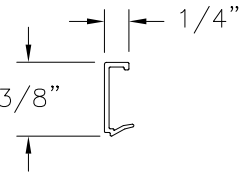
REINFORCEMENT (M-2115)
ALUMINUM 6063-T5



REINFORCEMENT (M-2343)
ALUMINUM 6063-T5



REINFORCEMENT (M-2266)
ALUMINUM 6063-T5



GLAZING BEAD (V-904)
EXTRUDED RIGID PVC

MI WINDOWS & DOORS, LLC.
650 WEST MARKET STREET
GRATZ, PA 17030

SERIES 1620 PVC SINGLE HUNG WINDOW
48" X 84" IMPACT
COMPONENTS

DRAWN:
A.R.

DWG NO.
08-03668

REV
B

SCALE
NTS

DATE
12/17/2020

SHEET
12 OF 12

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

SIGNED: 10/30/2023



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