

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
C	REVISED PER NEW TEST	06/11/2024	R.L.

NOTES:

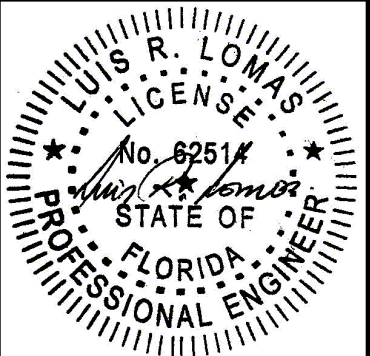
1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE FLORIDA BUILDING CODE.
2. WOOD FRAMING, METAL STRUCTURE AND MASONRY OPENING TO BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO STRUCTURE. FRAMING AND MASONRY OPENING IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
3. WHERE SHIM OR BUCK THICKNESS IS LESS THAN 1-1/2" 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 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 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.
16. 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.
17. 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.
18. 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.
19. 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.
20. ALL FASTENERS TO BE CORROSION RESISTANT.
21. 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:
 - 21.1. WOOD: MINIMUM SPECIFIC GRAVITY OF G=0.42
 - 21.2. CONCRETE: MINIMUM COMPRESSIVE STRENGTH OF 2,000 PSI.
 - 21.3. MASONRY: HOLLOW/FILLED BLOCK PER ASTM C90 WITH Fm=2,000 MINIMUM.
 - 21.4. METAL STRUCTURE: STEEL 18GA (.048") FY=33KSI/FU=52KSI OR ALUMINUM 6063-T5 FU=30KSI 1/8" THICK MINIMUM

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13	COMPONENTS

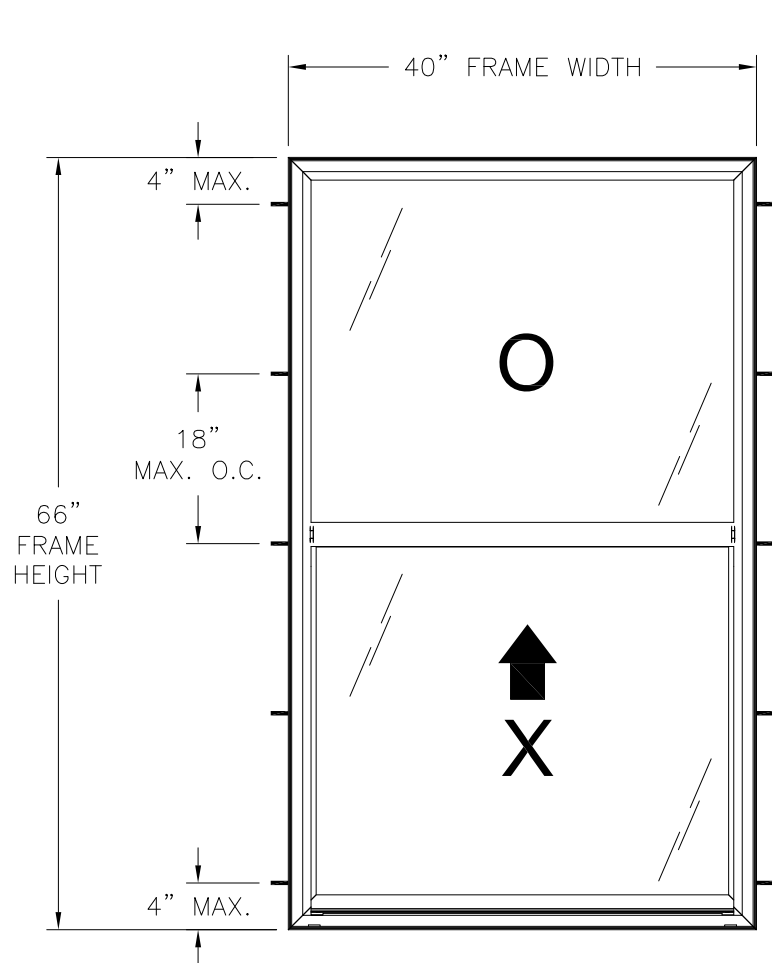
MI WINDOWS & DOORS, LLC 650 WEST MARKET STREET GRATZ, PA 17030-0370		
SERIES 3540 PVC SINGLE HUNG WINDOW REINFORCED NON-IMPACT 40" X 66" NOTES		
DRAWN: A.R.	DWG NO. 08-03349	REV C
SCALE NTS	DATE 11/07/18	SHEET 1 OF 13
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

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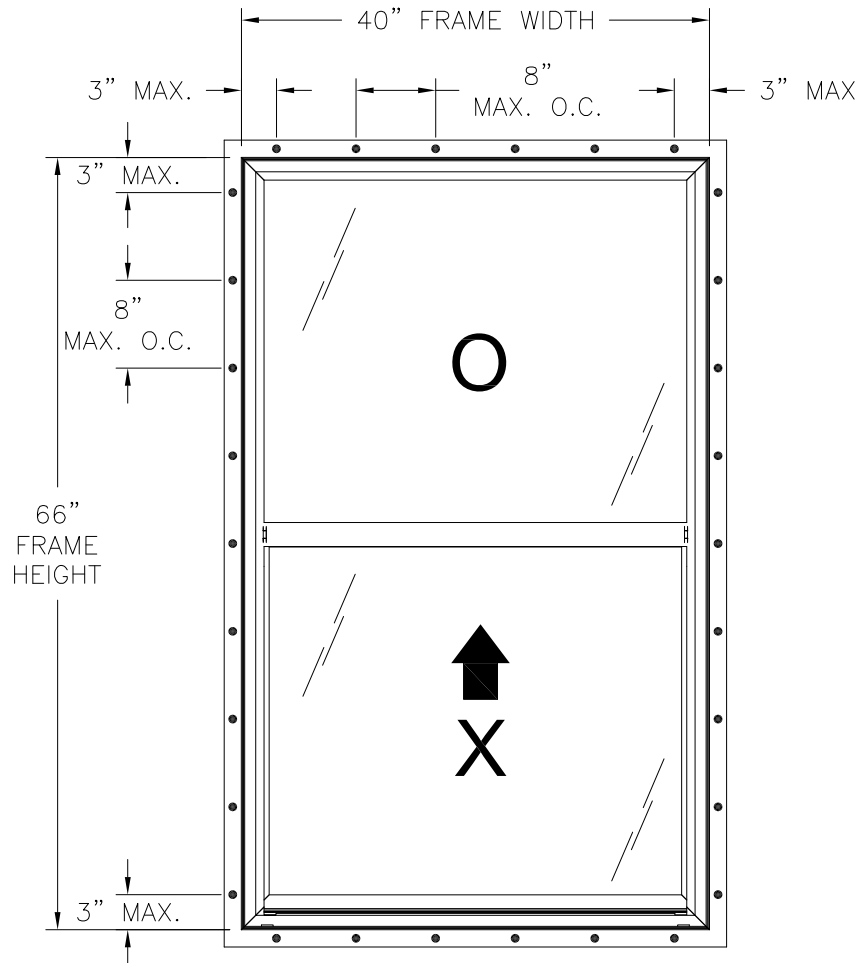


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SERIES 3540 PVC SINGLE HUNG WINDOW
EXTERIOR VIEW
FINLESS INSTALLATION



SERIES 3540 PVC SINGLE HUNG WINDOW
EXTERIOR VIEW
FIN INSTALLATION

- NOTES:
- SASH SIZE: 38 1/8" X 29 1/2"
 - SASH D.L.O.: 35 1/8" X 29 1/2"
 - FIXED D.L.O.: 36 1/8" X 29 1/2"

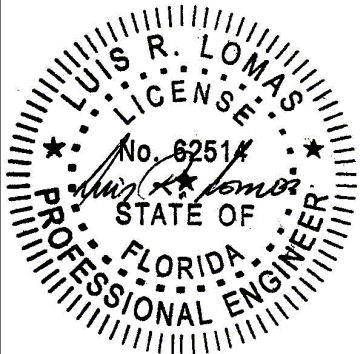
DESIGN PRESSURE RATING	IMPACT RATING
+35.0/-47.0PSF	NONE

40" X 66" UNIT SHOWN. OTHER SIZES APPROVED AS LONG AS
FRAME AREA DOES NOT EXCEED 18.33 FT²

HARDWARE SCHEDULE	
A.	(2) TILT LATCHES AT TOP CORNERS OF SASH
B.	(2) PIVOT BARS AT BOTTOM CORNERS OF SASH
C.	(2) BALANCES AT JAMBS
D.	(2) LOCK WITH KEEPER, 8" FROM ENDS OF FIXED MEETING RAIL
E.	STEEL REINFORCEMENT (RF-104S) AT FIXED MEETING RAIL
F.	STEEL REINFORCEMENT (GVL-451) AT STILES AND RAILS

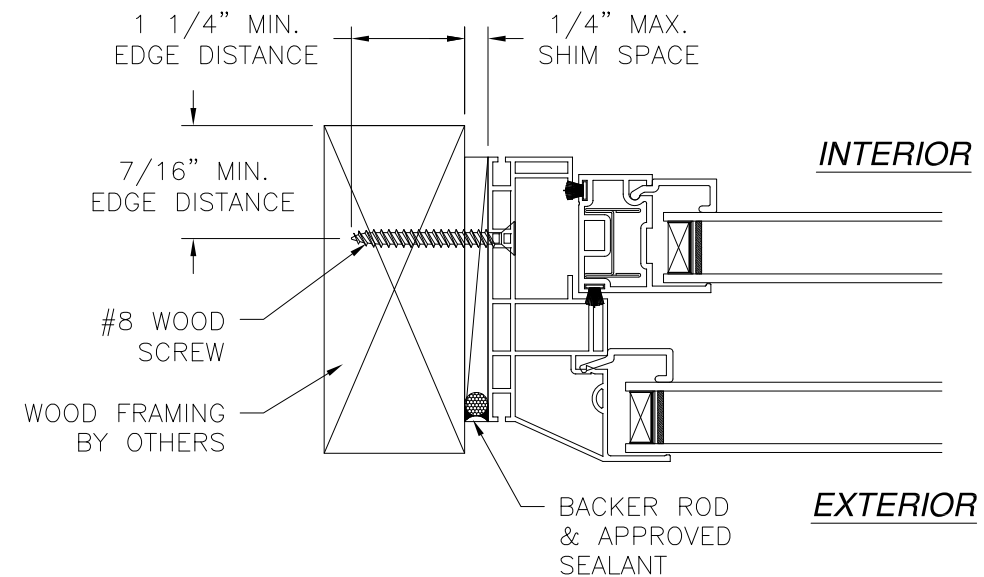
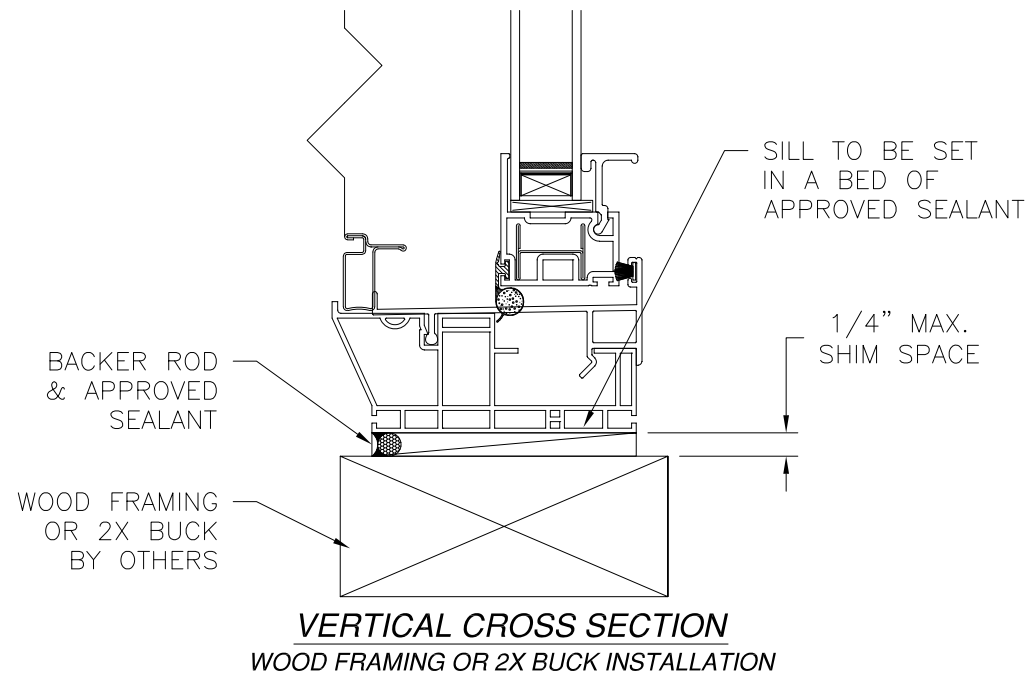
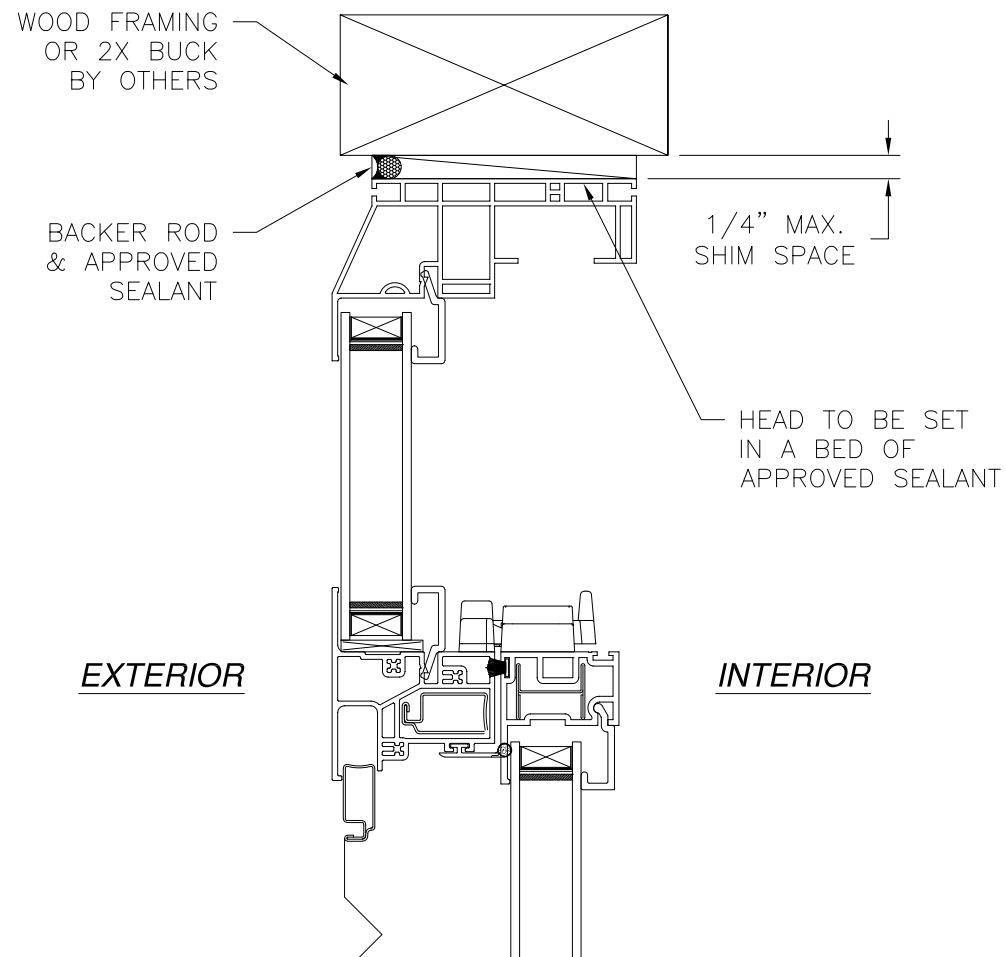
MI WINDOWS & DOORS, LLC 650 WEST MARKET STREET GRATZ, PA 17030-0370		
SERIES 3540 PVC SINGLE HUNG WINDOW REINFORCED NON-IMPACT 40" X 66" ELEVATIONS		
DRAWN: A.R.	DWG NO. 08-03349	REV C
SCALE NTS	DATE 11/07/18	SHEET 2 OF 13
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

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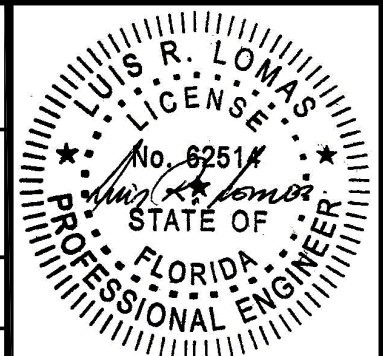


JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

- NOTES:**
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 2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112

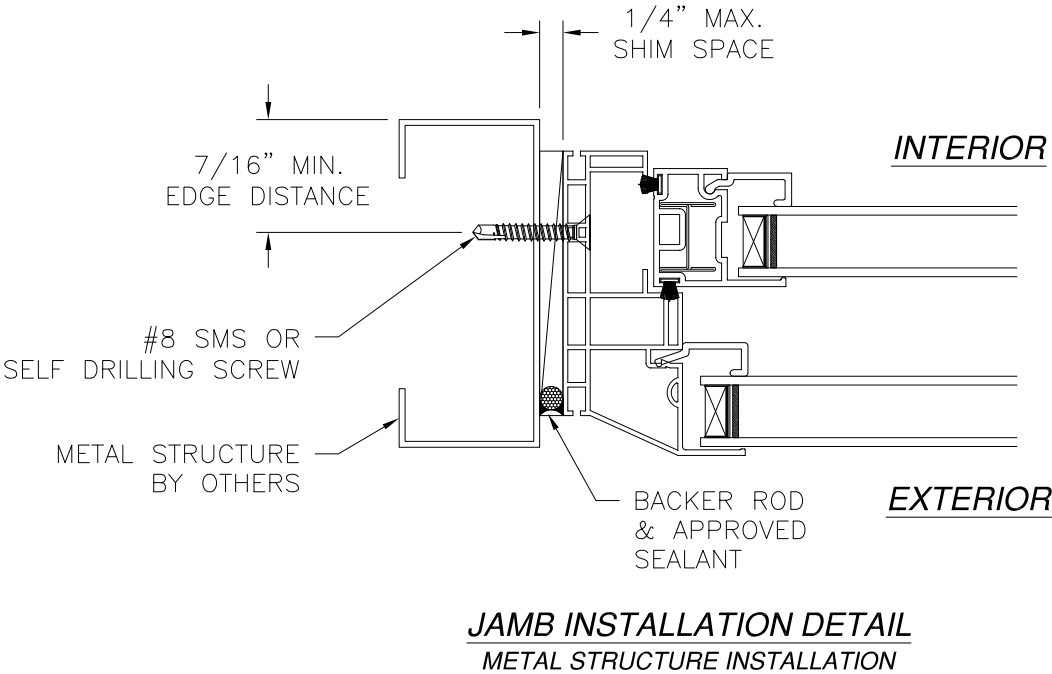
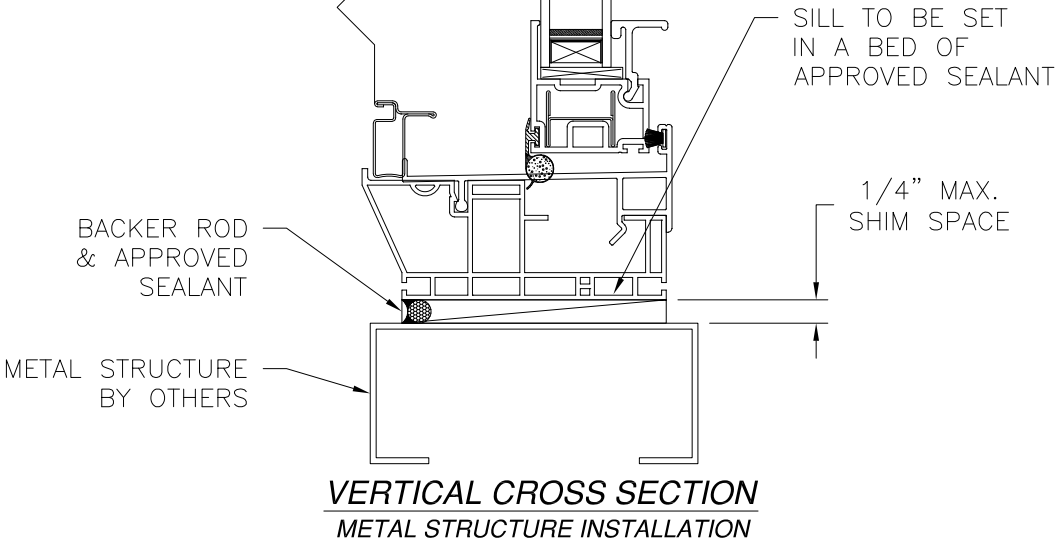
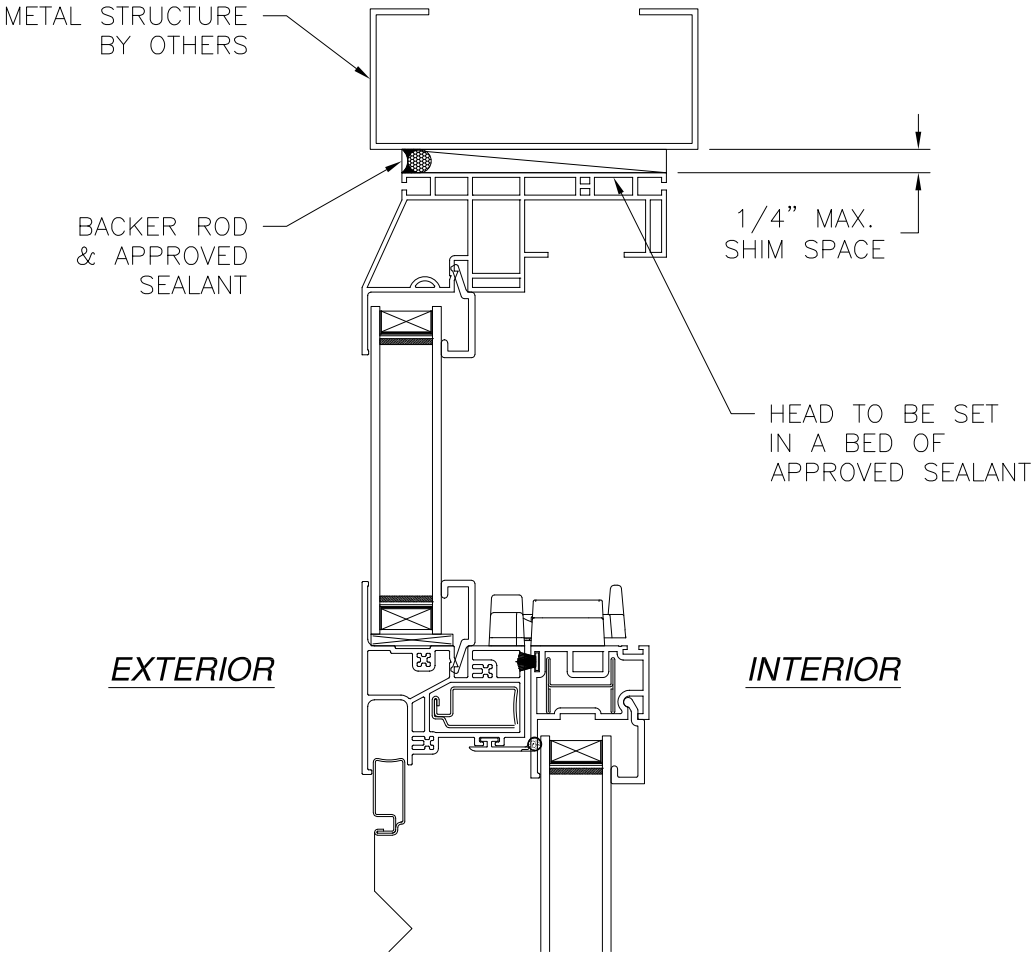
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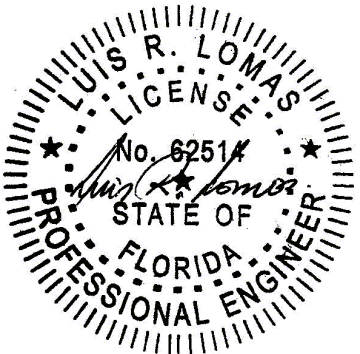
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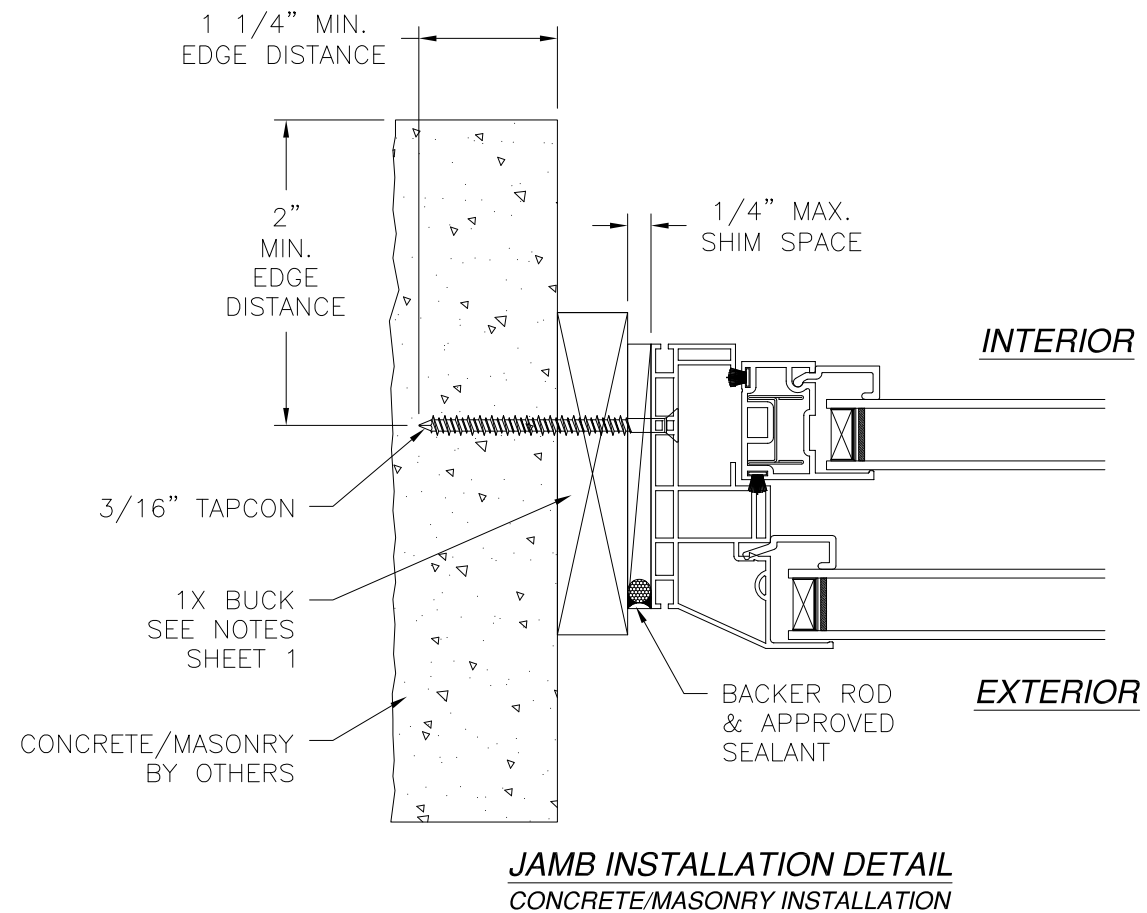
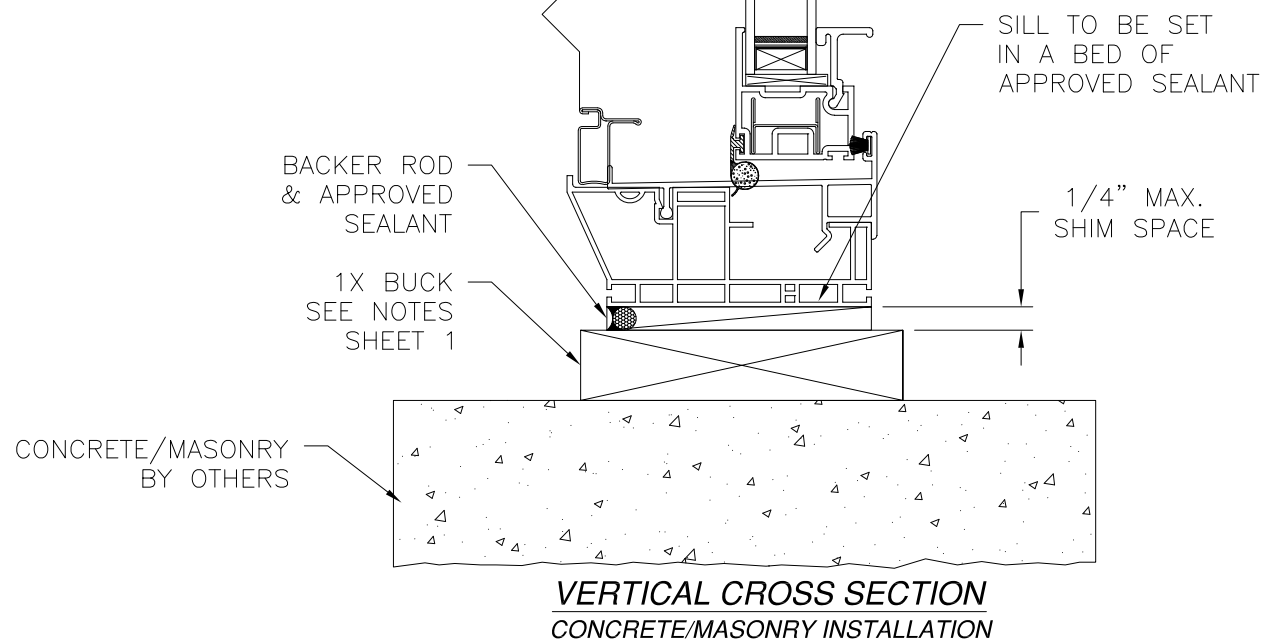
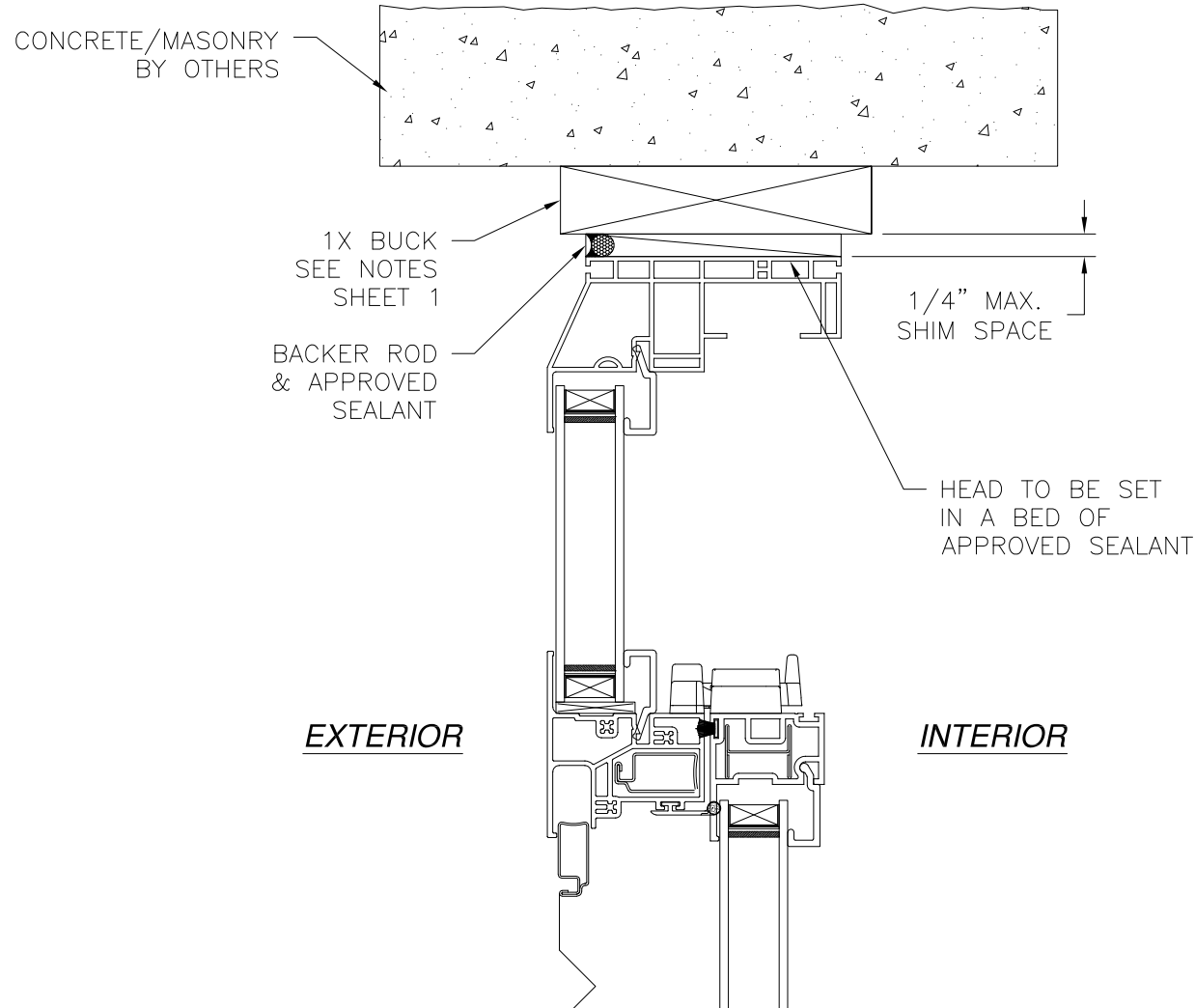
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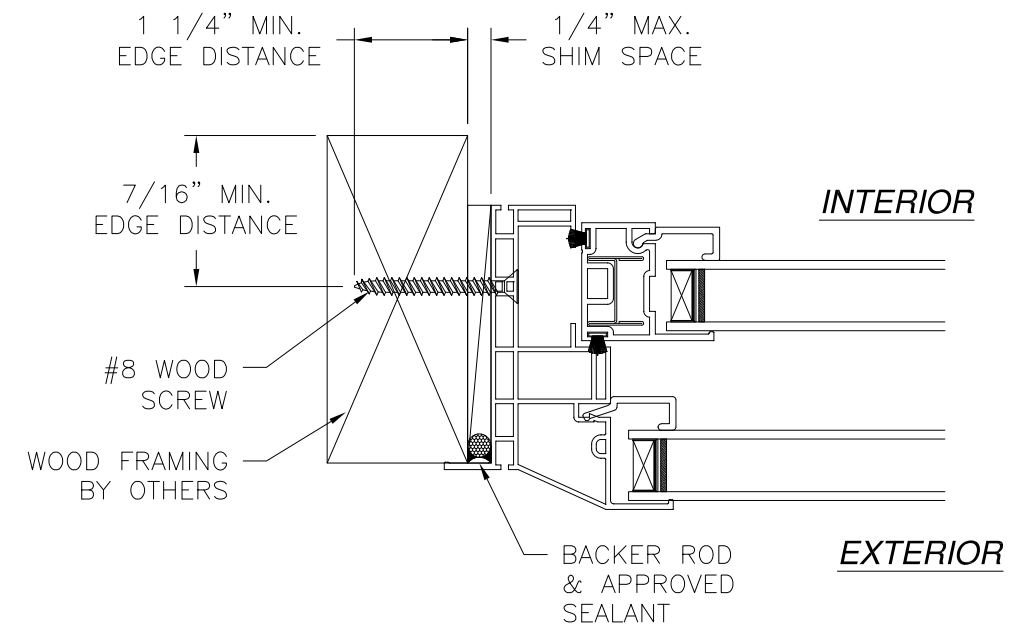
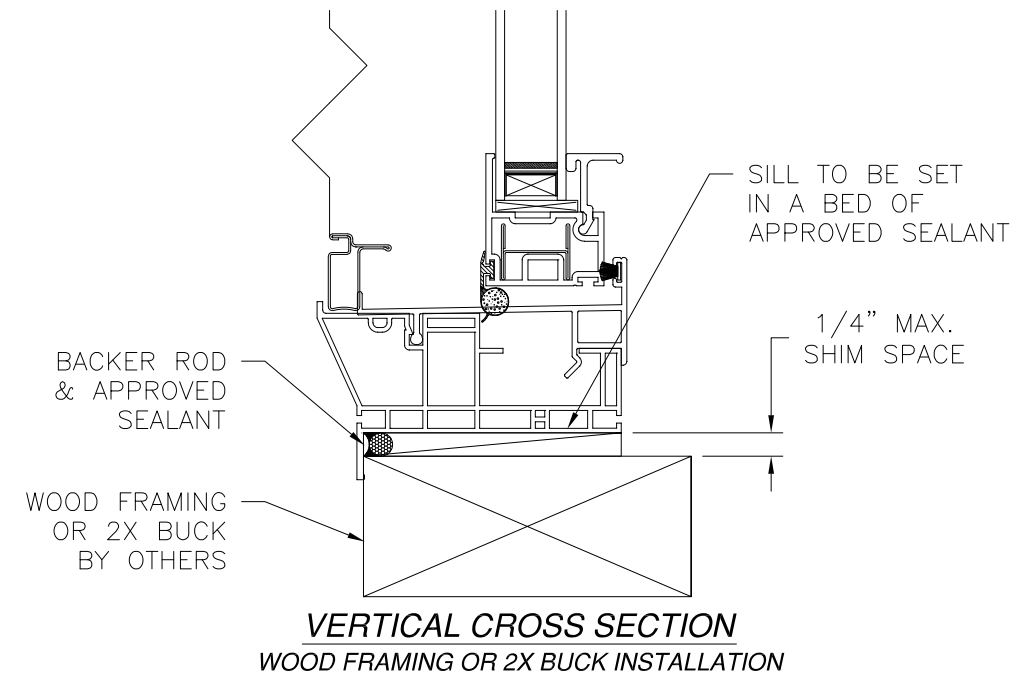
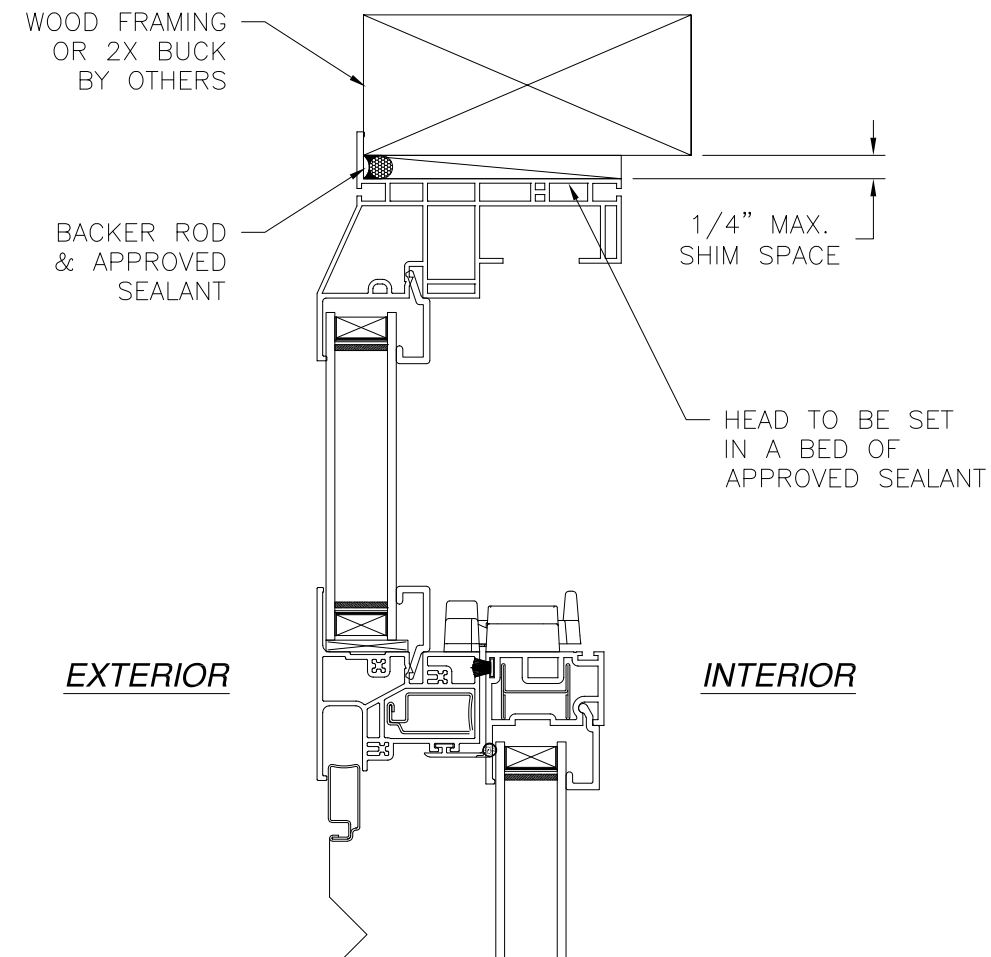
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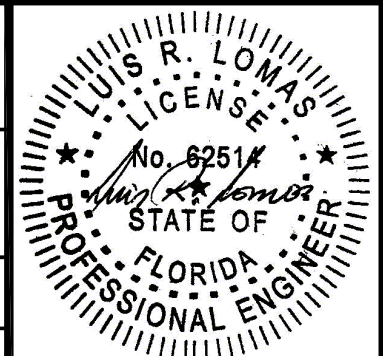


JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

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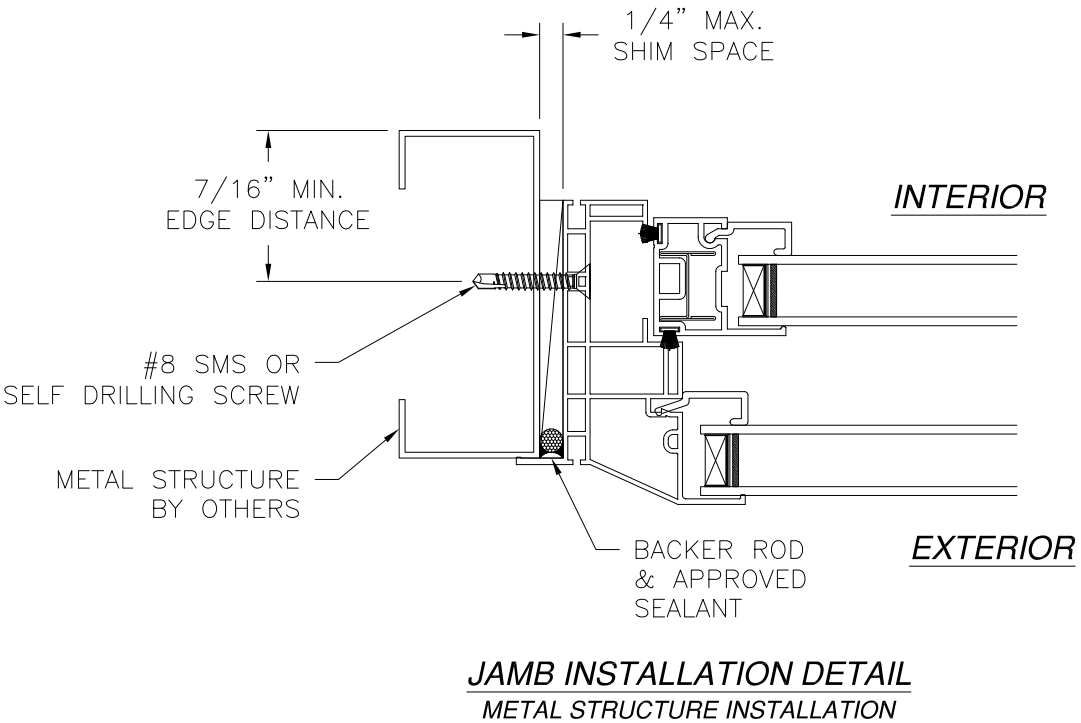
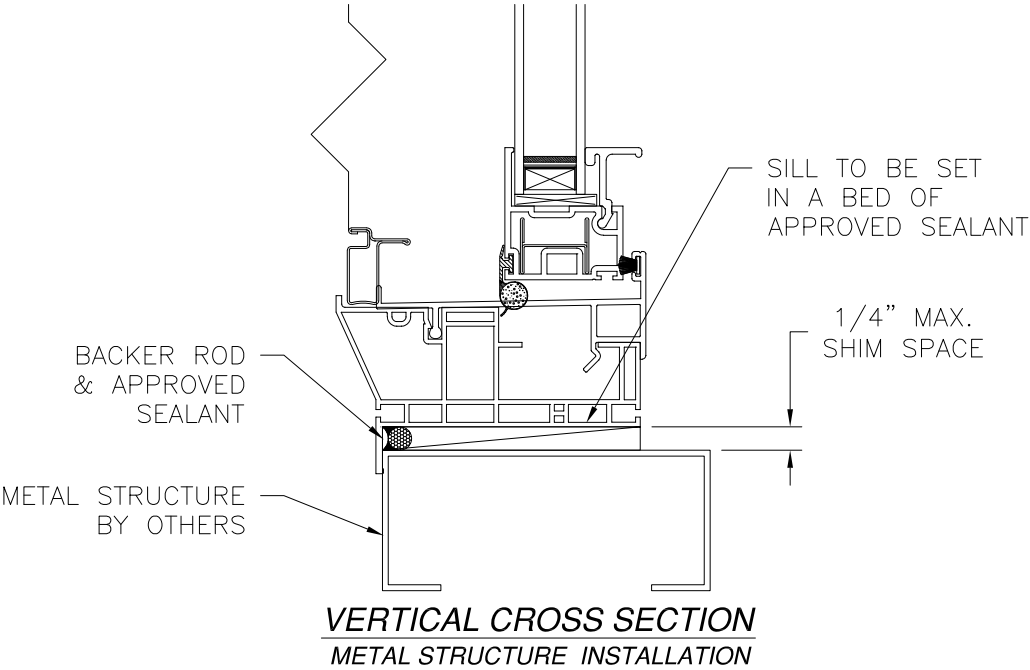
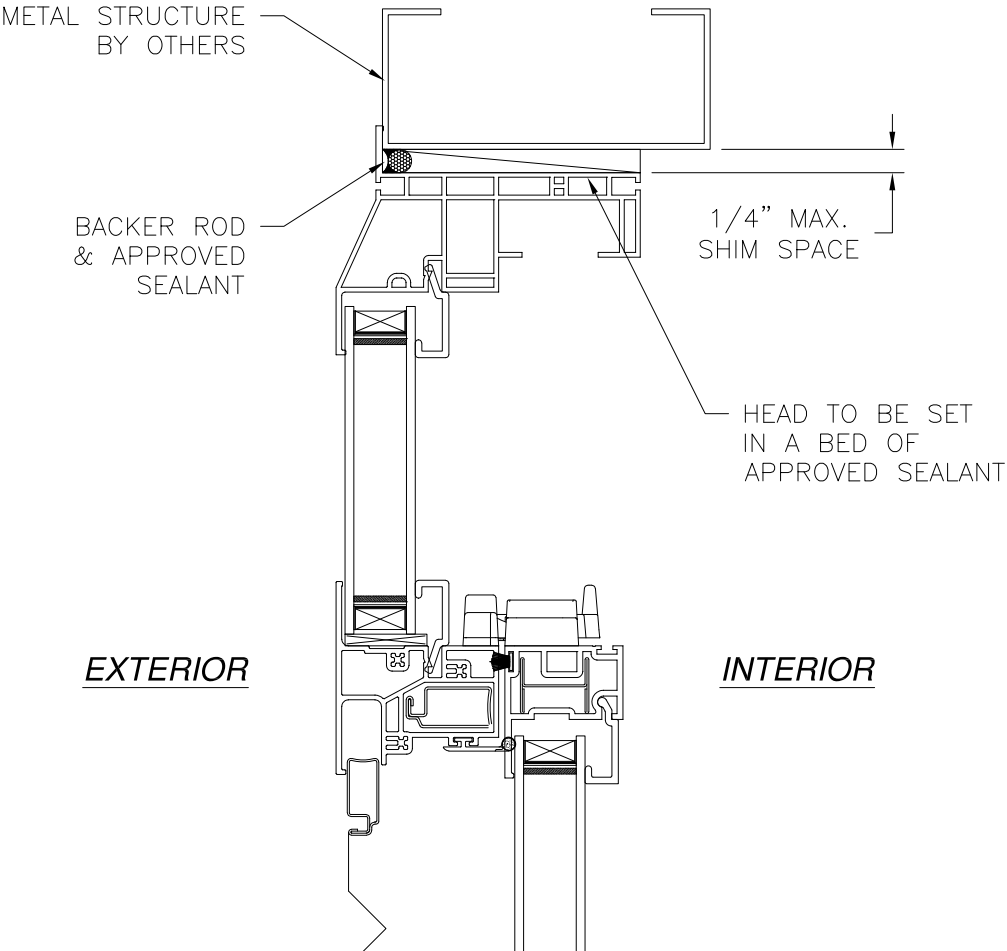
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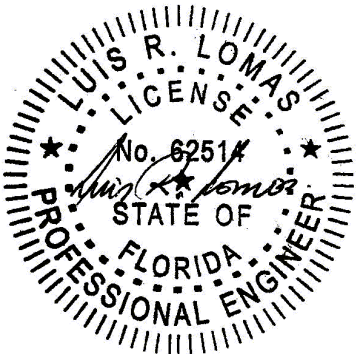
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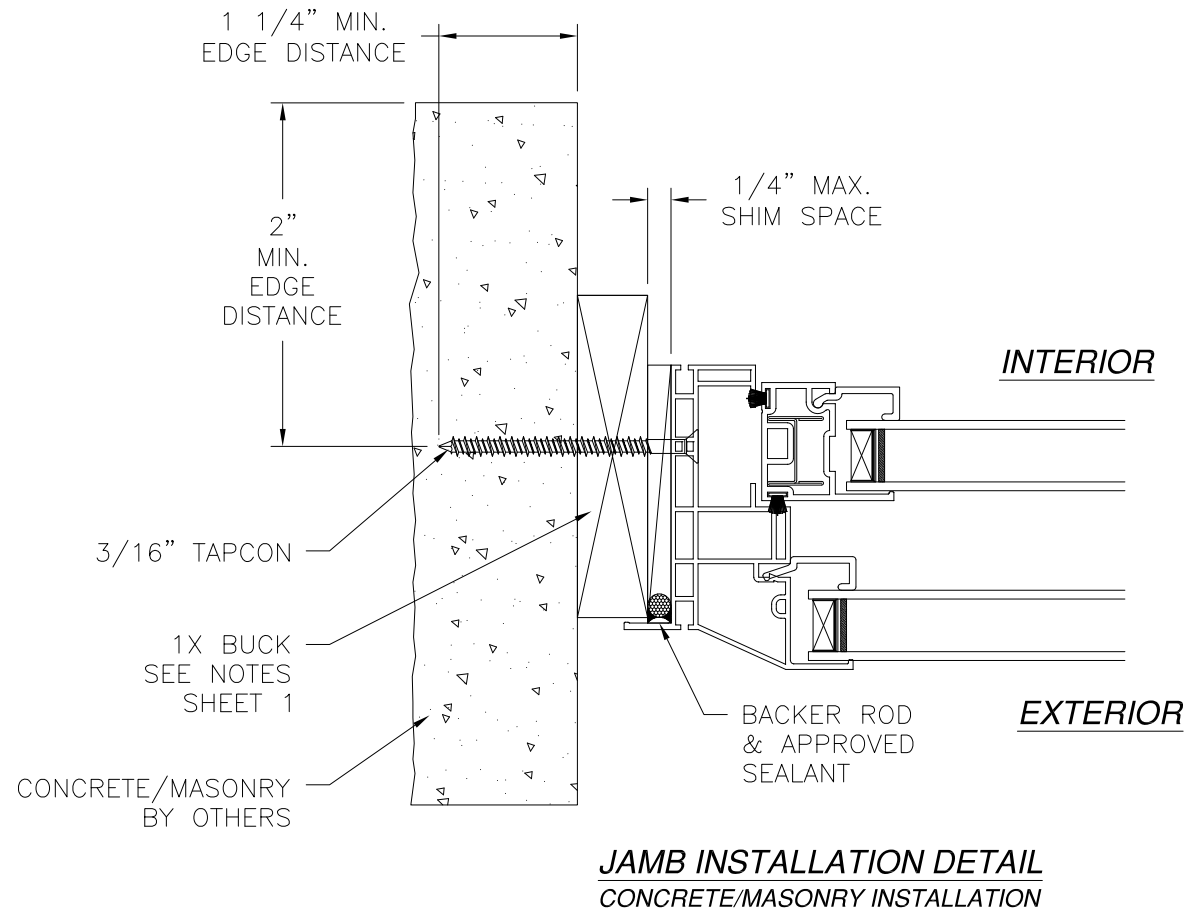
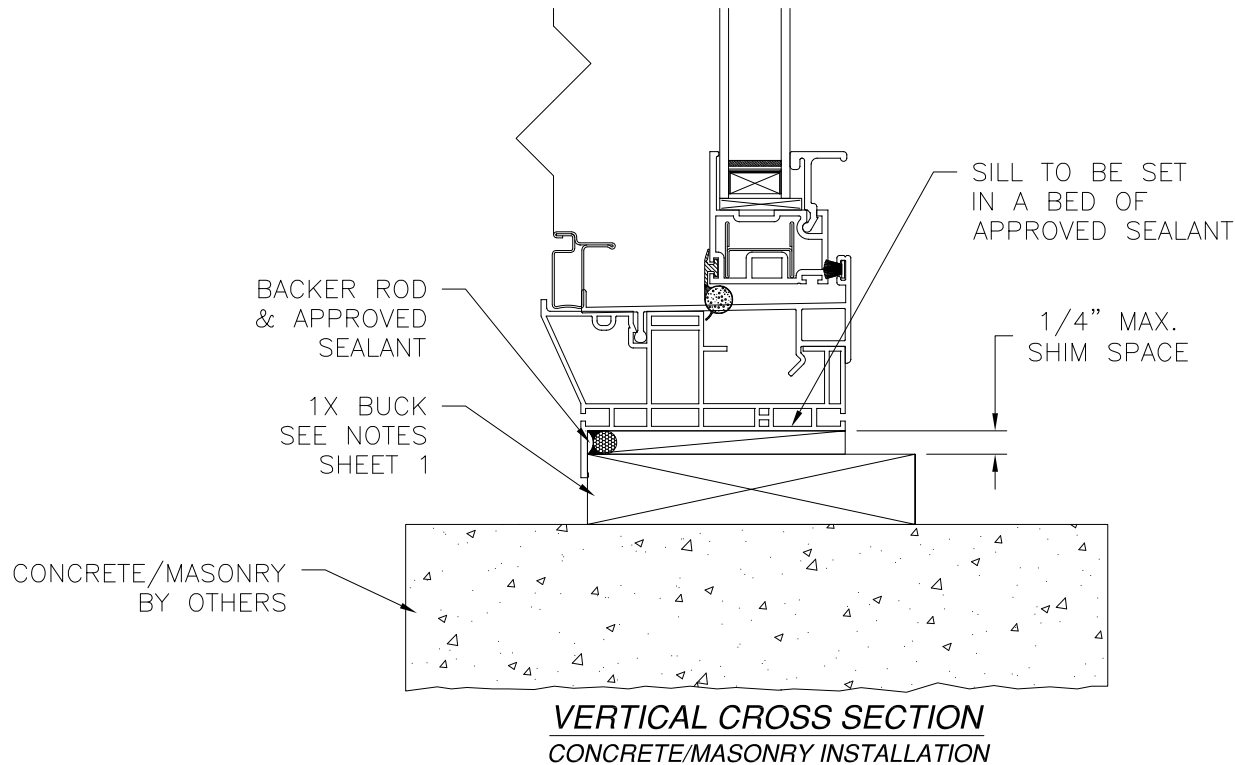
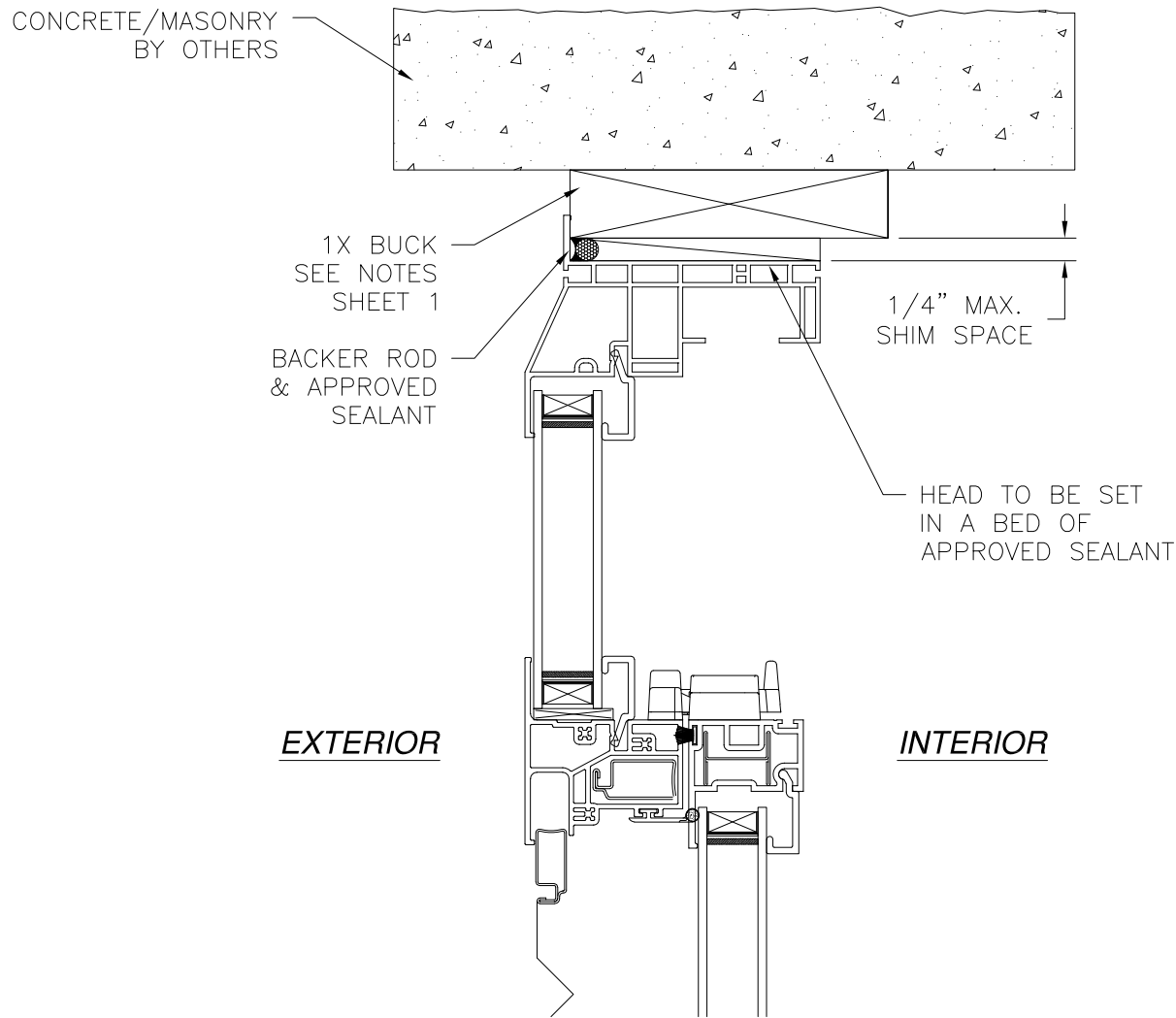
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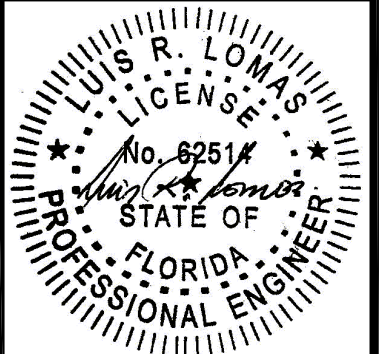
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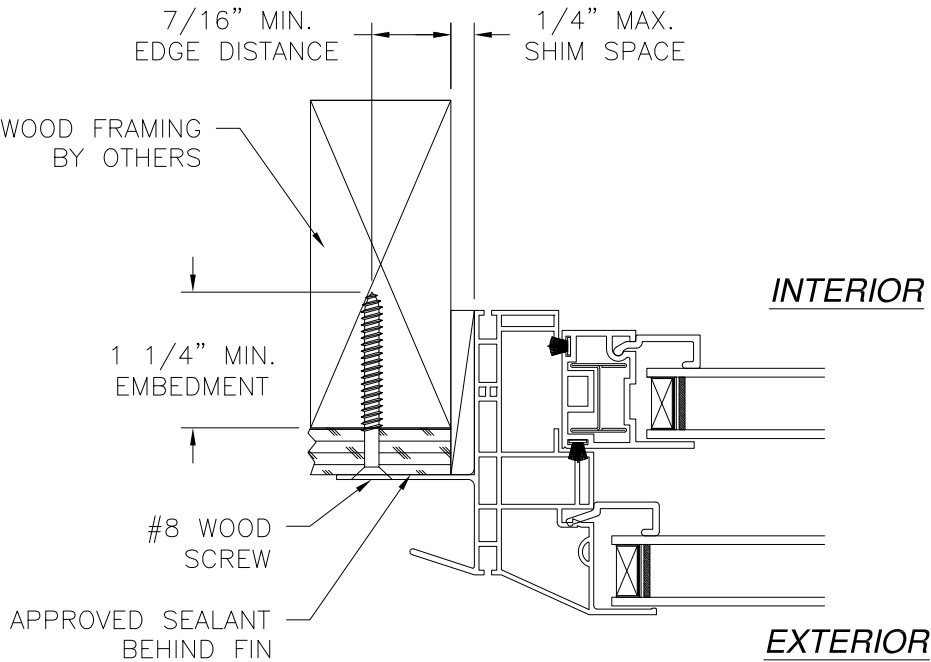
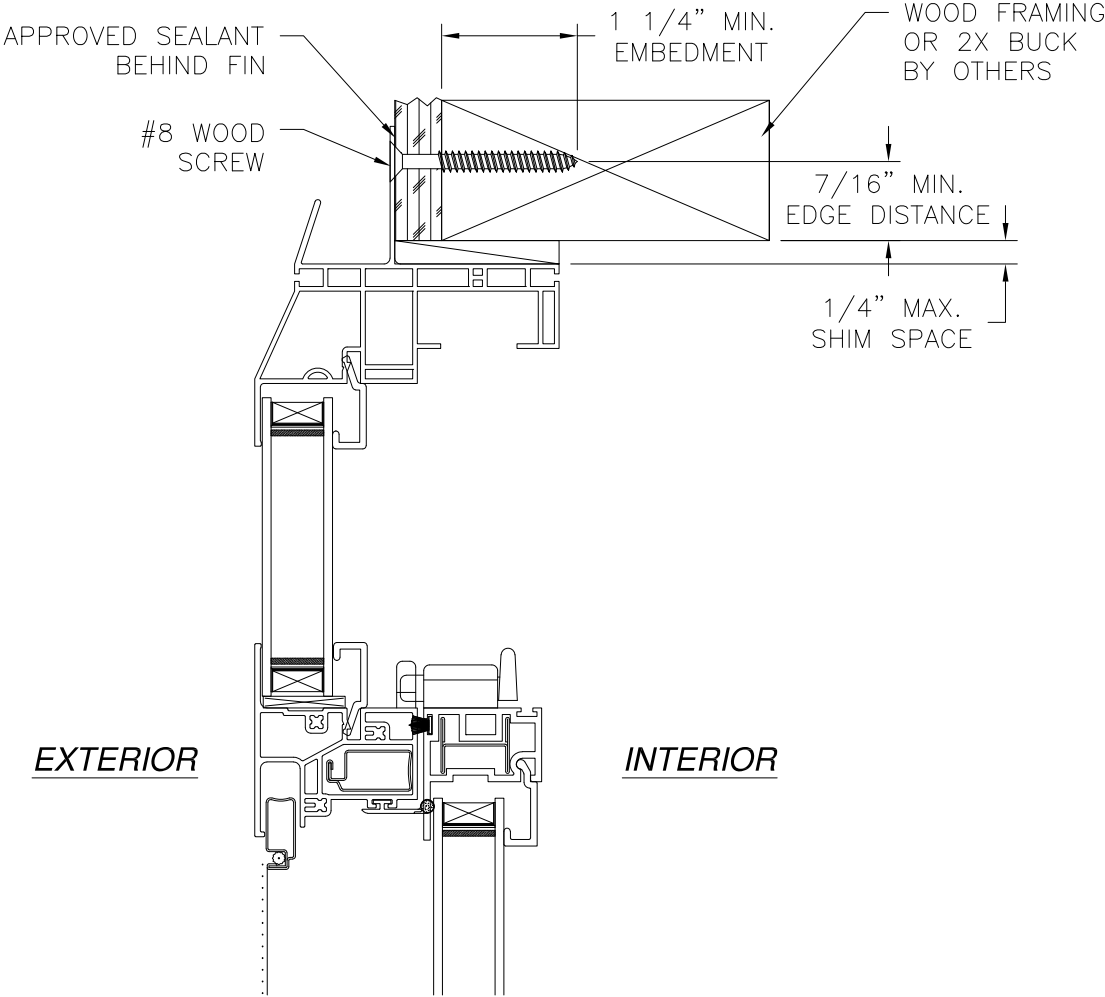
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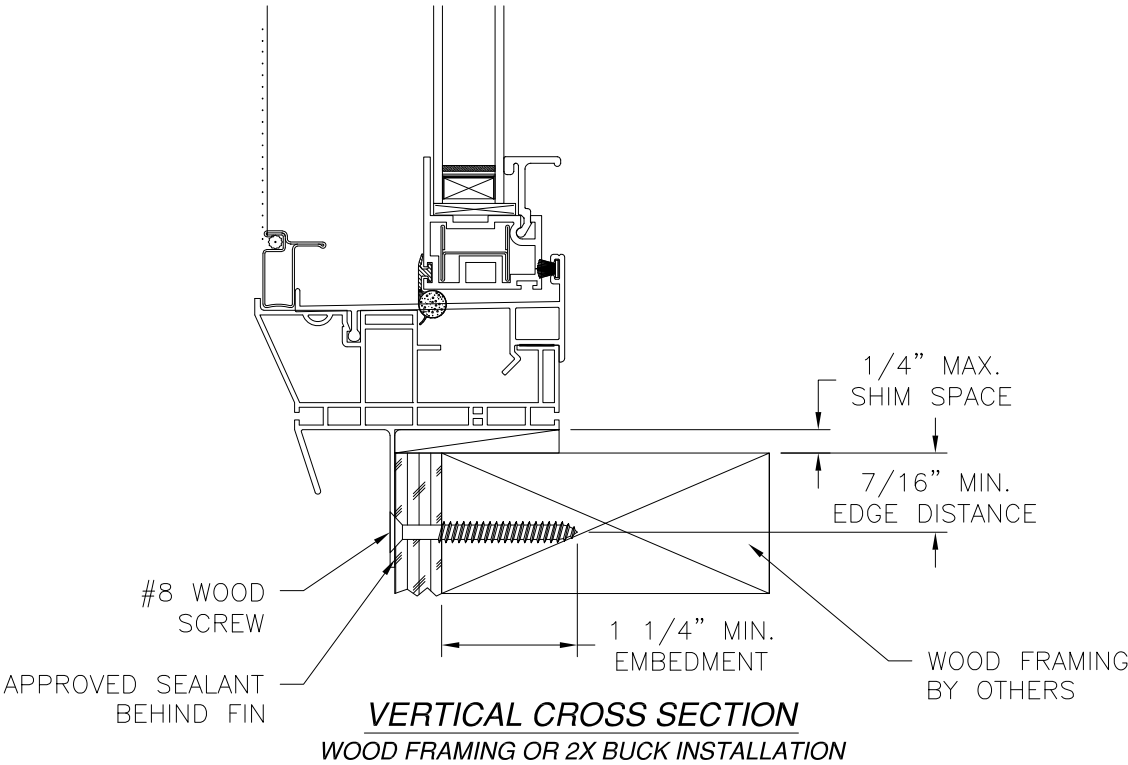


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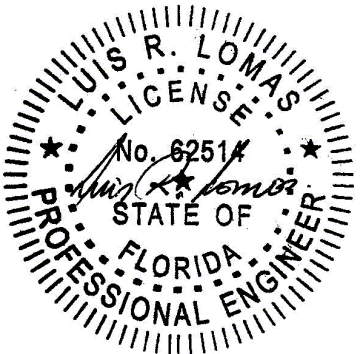
JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION



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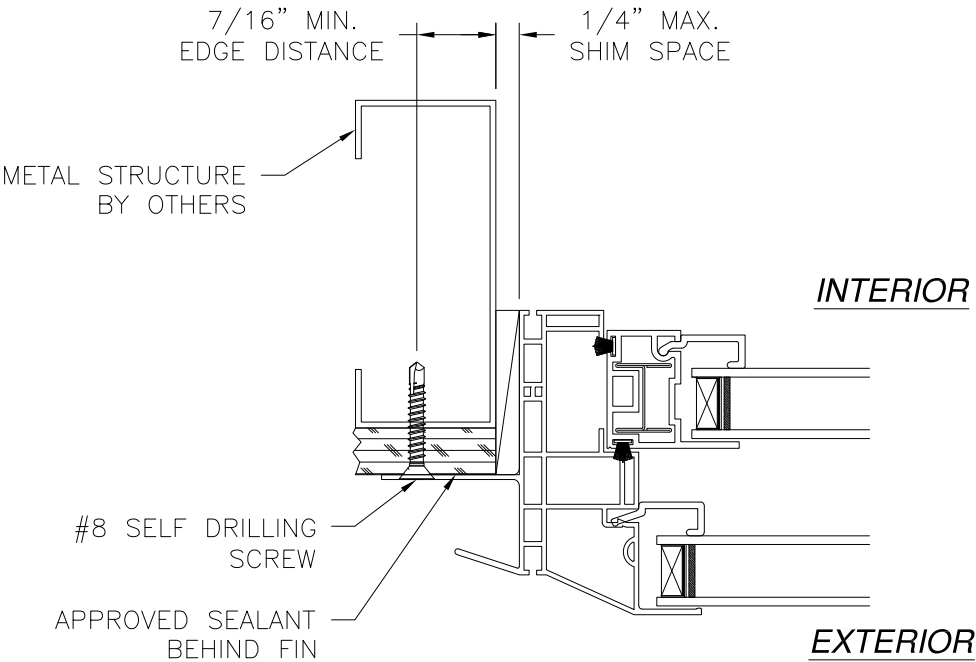
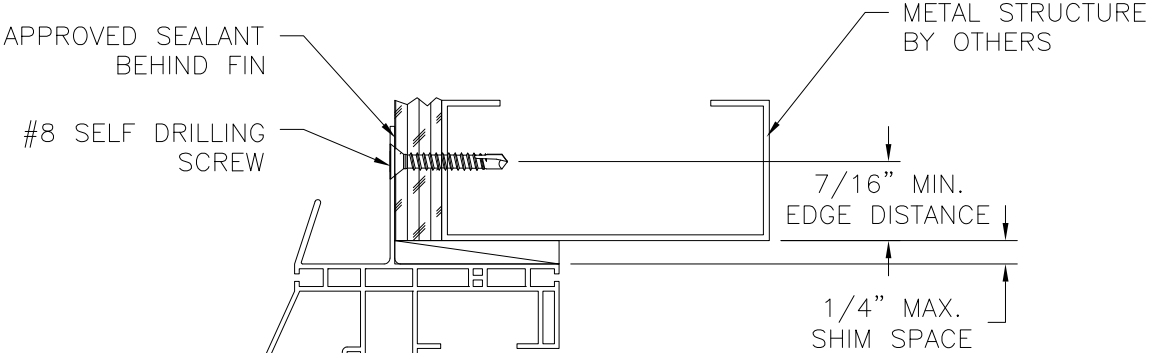
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L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

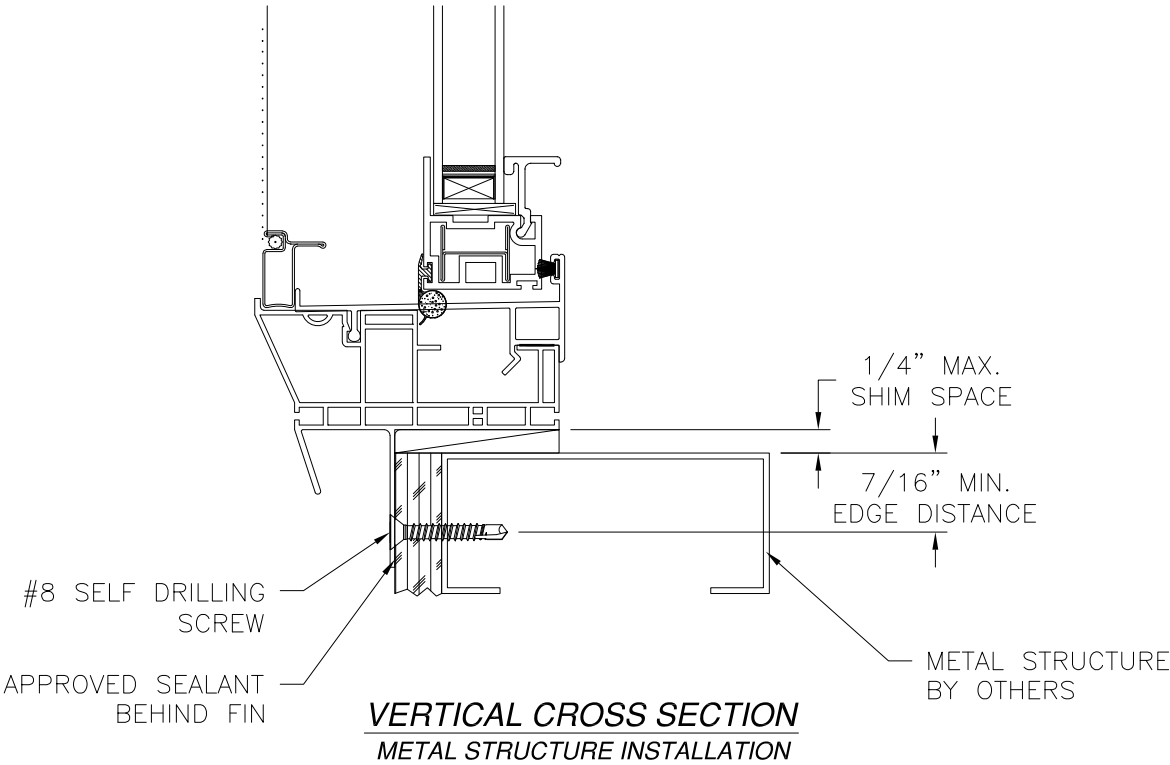


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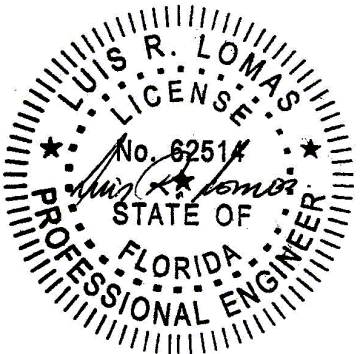
JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION



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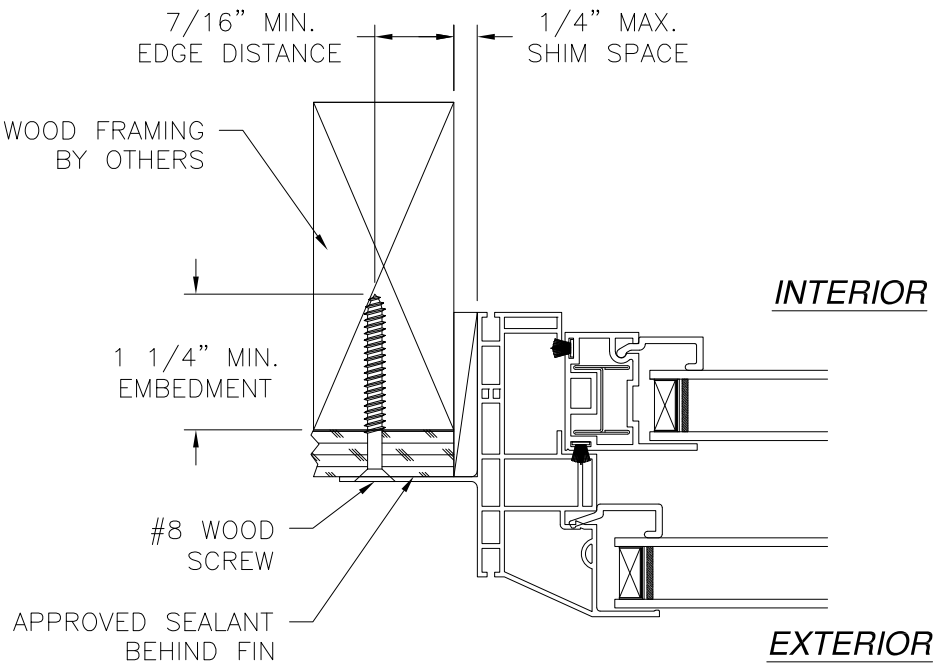
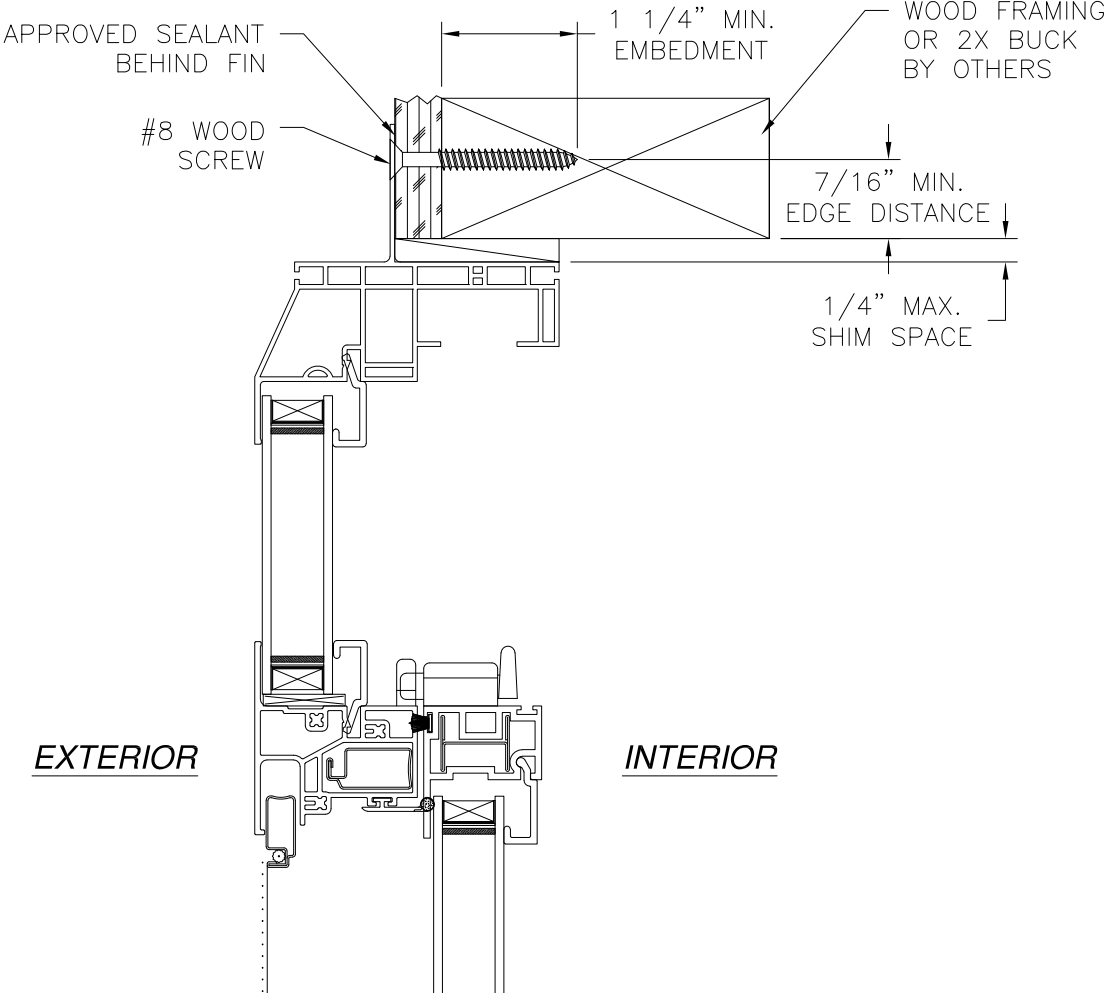
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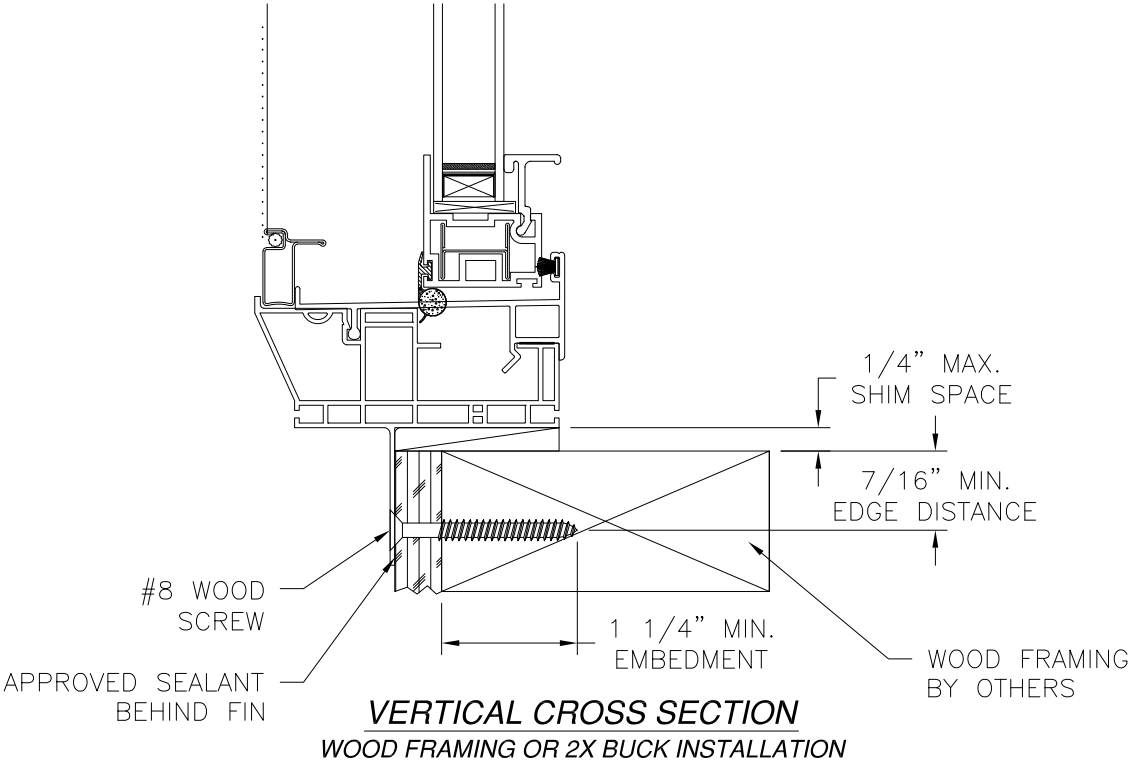


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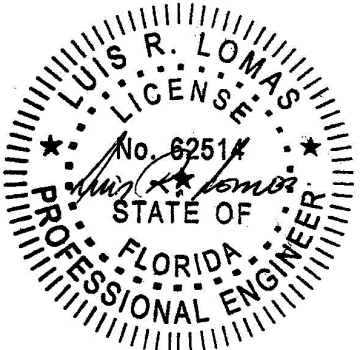
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WOOD FRAMING OR 2X BUCK INSTALLATION



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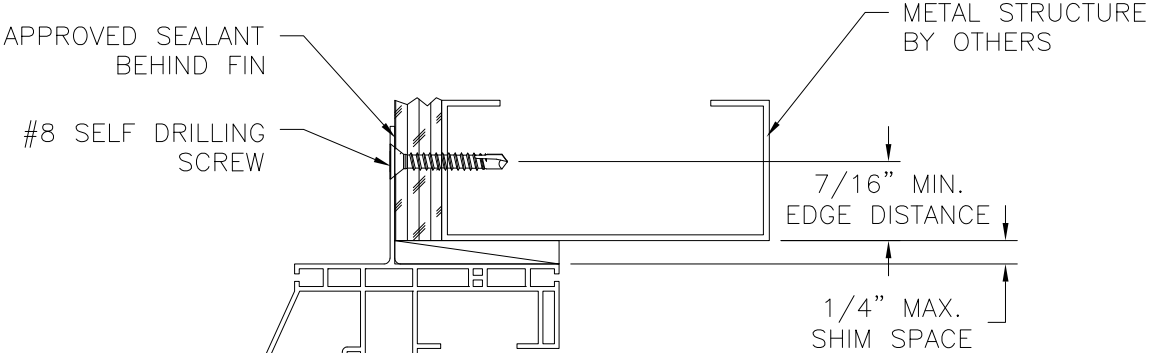
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SCALE NTS	DATE 11/07/18	SHEET 11 OF 13
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		



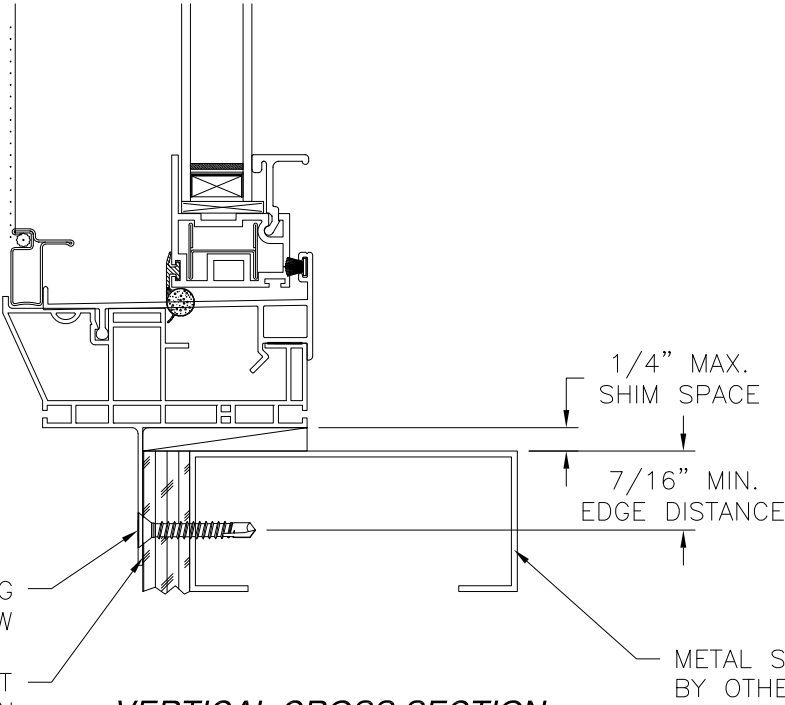
Luis R. Lomas P.E.
FL No.: 62514

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
C	REVISED PER NEW TEST	06/11/2024	R.L.

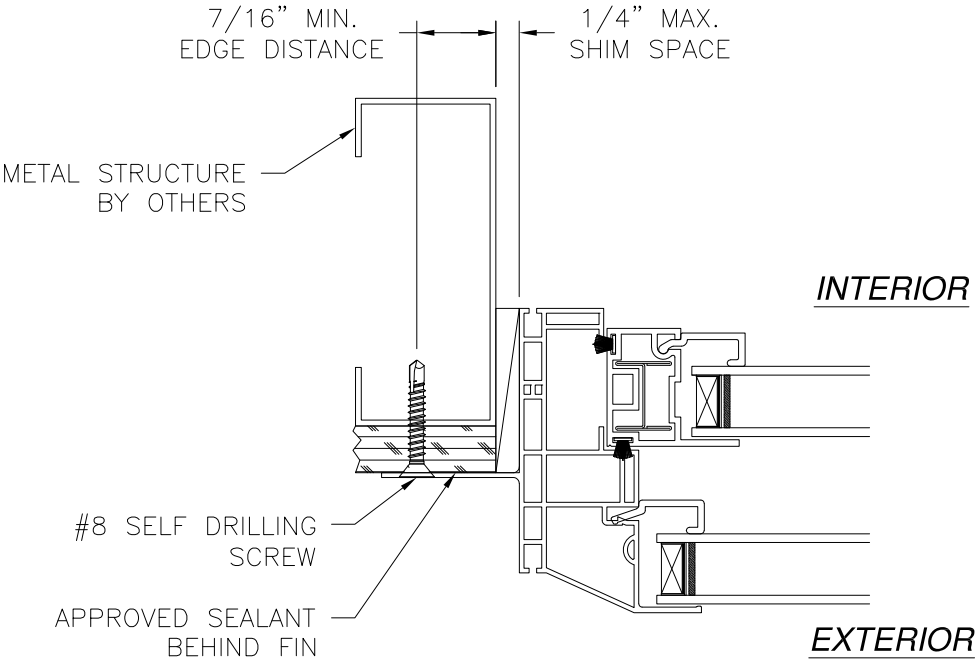


INTERIOR

EXTERIOR



VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION

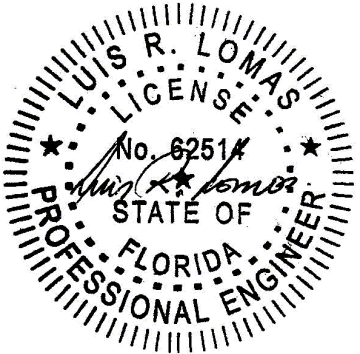


JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION

- 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

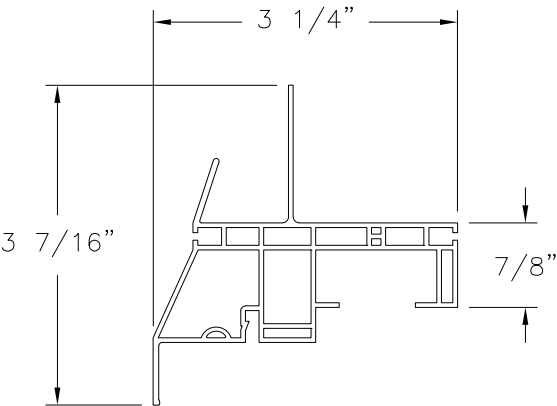
SIGNED: 07/15/2024

MI WINDOWS & DOORS, LLC 650 WEST MARKET STREET GRATZ, PA 17030-0370		
SERIES 3540 PVC SINGLE HUNG WINDOW REINFORCED NON-IMPACT 40" X 66" FIN INSTALLATION DETAILS STANDARD FRAME		
DRAWN: A.R.	DWG NO. 08-03349	REV C
SCALE NTS	DATE 11/07/18	SHEET 12 OF 13
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

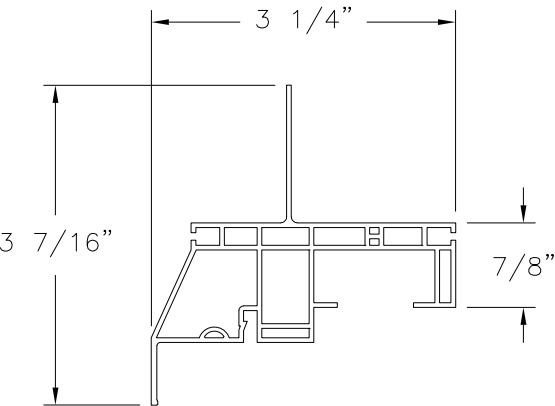


Luis R. Lomas P.E.
FL No.: 62514

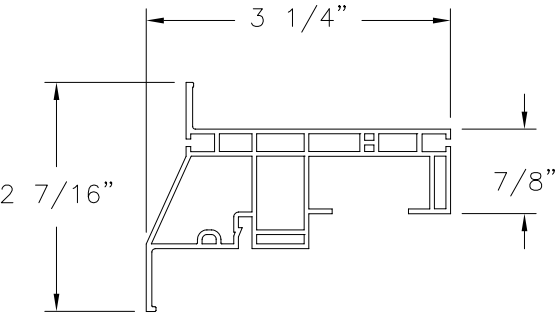
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
C	REVISED PER NEW TEST	06/11/2024	R.L.



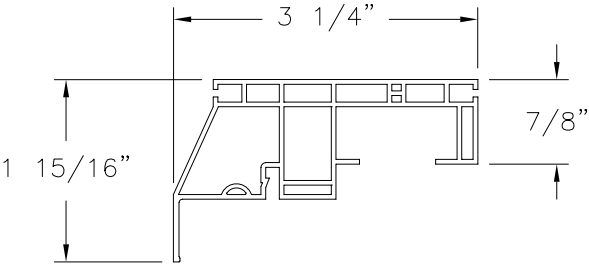
**MAIN FRAME WITH "J" CHANNEL
FIN INSTALLATION**
PVC (V-538)



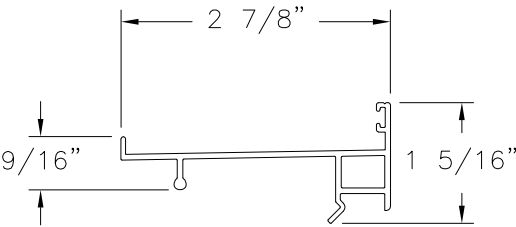
**MAIN FRAME
FIN INSTALLATION**
PVC (V-634)



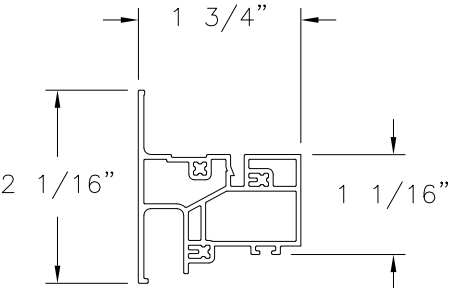
**MAIN FRAME WITH FLANGE
FINLESS INSTALLATION**
PVC



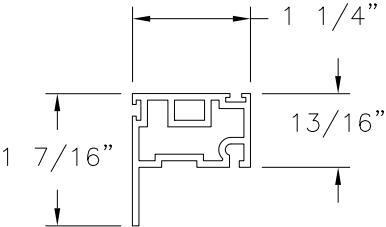
**MAIN FRAME
FINLESS INSTALLATION**
PVC



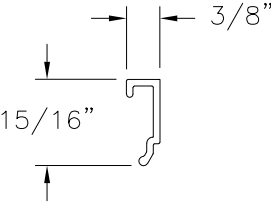
SNAP IN SILL
PVC (V-661)



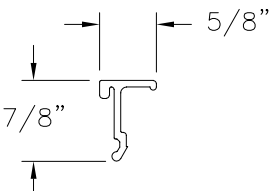
FIXED MEETING RAIL
PVC (V-321)



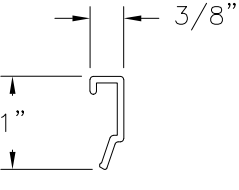
SASH RAIL
PVC (V-451)



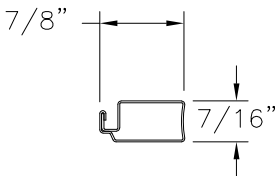
GLAZING BEAD
PVC (V-816)



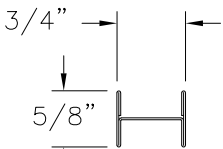
LIFT BEAD
PVC (V-817)



GLAZING BEAD
PVC (V-819)



MEETING RAIL LINER
STEEL .019" THICK (RF-104S)



SASH LINER
STEEL .020" THICK (GVL-451)

MI WINDOWS & DOORS, LLC
650 WEST MARKET STREET
GRATZ, PA 17030-0370

SERIES 3540 PVC SINGLE HUNG WINDOW
REINFORCED NON-IMPACT 40" X 66"
COMPONENTS

DRAWN:
A.R.

DWG NO.
08-03349

REV
C

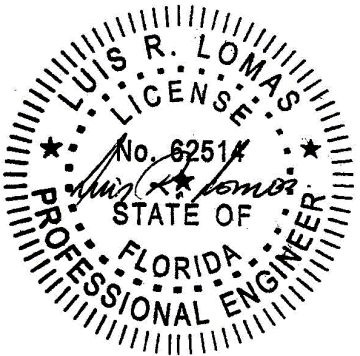
SCALE NTS

DATE 11/07/18

SHEET 13 OF 13

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

SIGNED: 07/15/2024



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