


REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

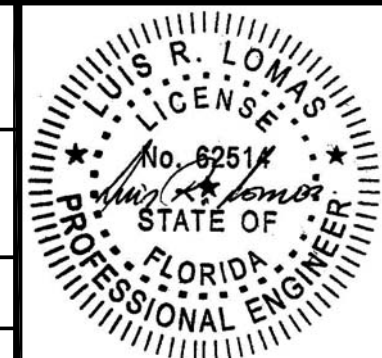
NOTES:

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. 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. FOR FIN INSTALLATION SHIM AS NEEDED. FOR FRAME INSTALLATION 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, SEE SHEET 8 FOR GLASS DETAILS.
12. APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.
13. FOR FIN INSTALLATION INTO WOOD FRAMING OR 2X BUCK USE #10 WOOD SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/2" MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
14. FOR FRAME ANCHORING INTO WOOD FRAMING OR 2X BUCK USE #12 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 FRAME ANCHORING INTO MASONRY/CONCRETE USE 1/4" TAPCONS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/4" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 1 7/8" MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
16. FOR FRAME ANCHORING INTO METAL STRUCTURE USE #12 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 3,192 PSI.
 - C. MASONRY – STRENGTH CONFORMANCE TO ASTM C-90, GRADE N, TYPE 1 (OR GREATER).
 - D. METAL STRUCTURE: STEEL 18GA, 33KSI OR ALUMINUM 6063-T5 .125" THICK MINIMUM
19. APPROVED CONFIGURATION: XOX.

SIGNED: 03/01/2023

TABLE OF CONTENTS	
SHEET NO.	DESCRIPTION
1	NOTES
2	ELEVATIONS
3	HORIZONTAL CROSS SECTIONS
4 - 7	INSTALLATION DETAILS
8	COMPONENTS AND GLAZING DETAILS

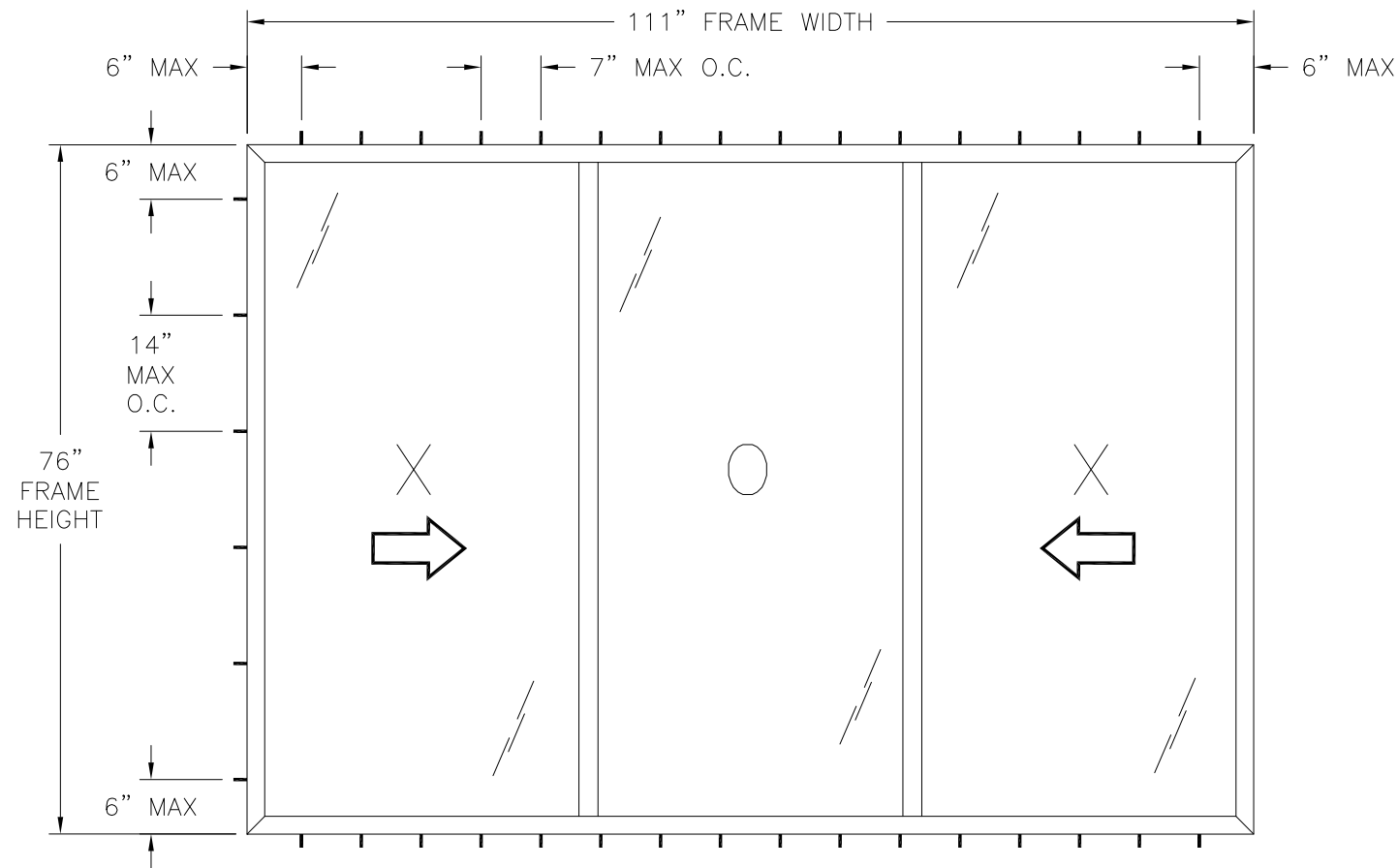
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SERIES 176 HRP 333 SGP VINYL HORIZONTAL SLIDING WINDOW IMPACT NOTES			
DRAWN: A.R.		DWG NO. 08-03891	
SCALE NTS		DATE 03/01/23	SHEET 1 OF 8
L. ROBERTO LOMAS P.E. 400 S. PALM AVE, INDIALANTIC, FL 32903 434-688-0609 rllomas@rlomaspe.com			



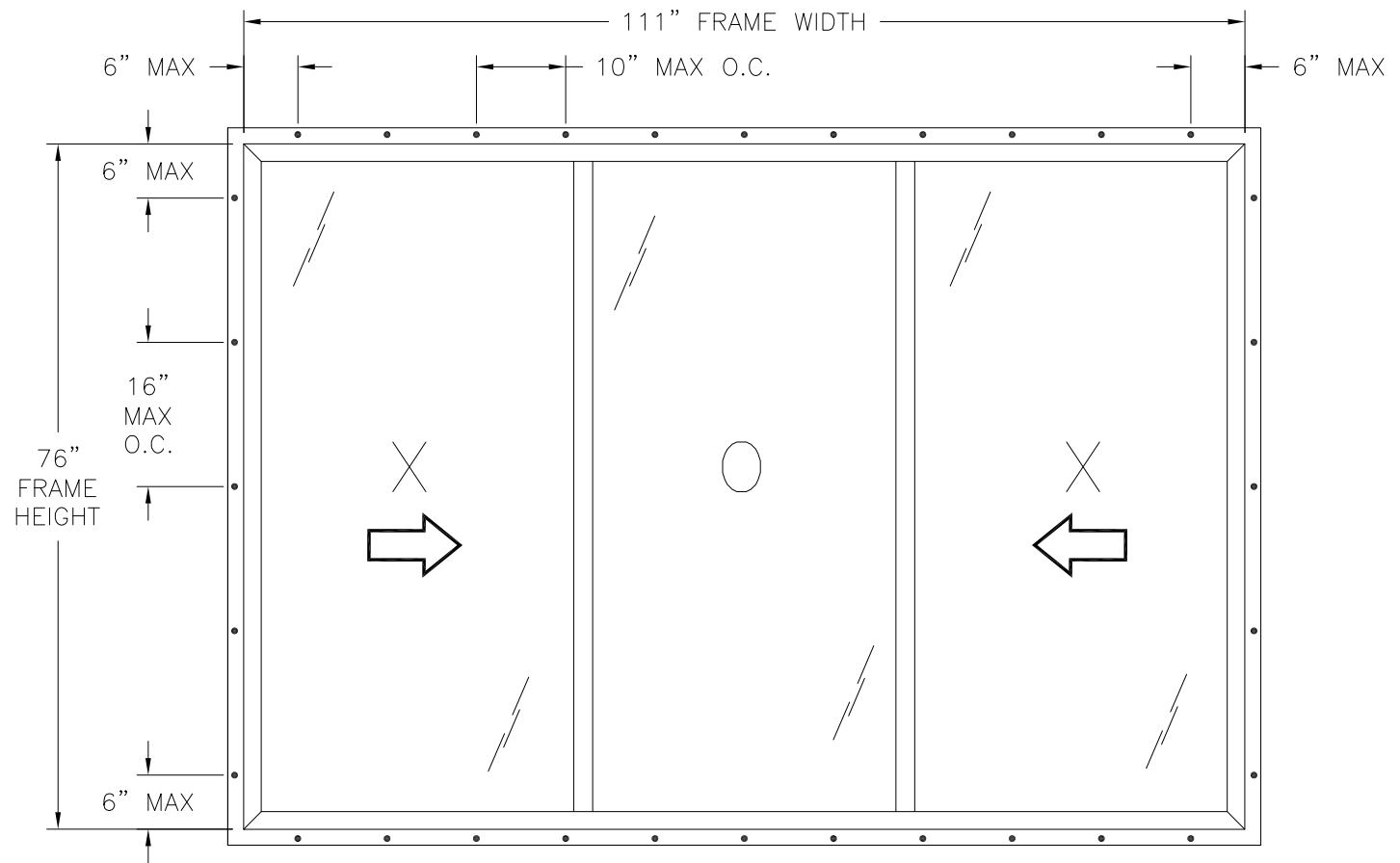
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FL No.: 62514

- NOTES:
 1. SASH SIZE: 36 5/16" X 72 1/8".
 2. SASH D.L.O.: 33" X 68 5/8".
 3. FIXED D.L.O.: 33 1/4" X 72 3/16"

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SERIES 176 HRP 333 SGP
 EXTERIOR VIEW
 FINLESS INSTALLATION



SERIES 176 HRP 333 SGP
 EXTERIOR VIEW
 FIN INSTALLATION

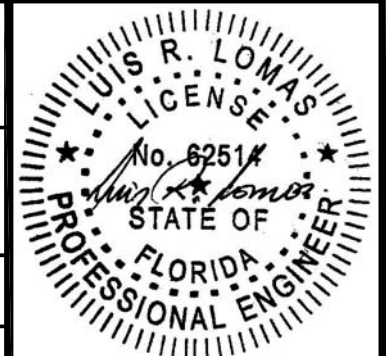
DESIGN PRESSURE RATING	IMPACT RATING
±65.0PSF	LARGE MISSILE IMPACT

MISSILE LEVEL D, WIND ZONE 4 AND HVHZ

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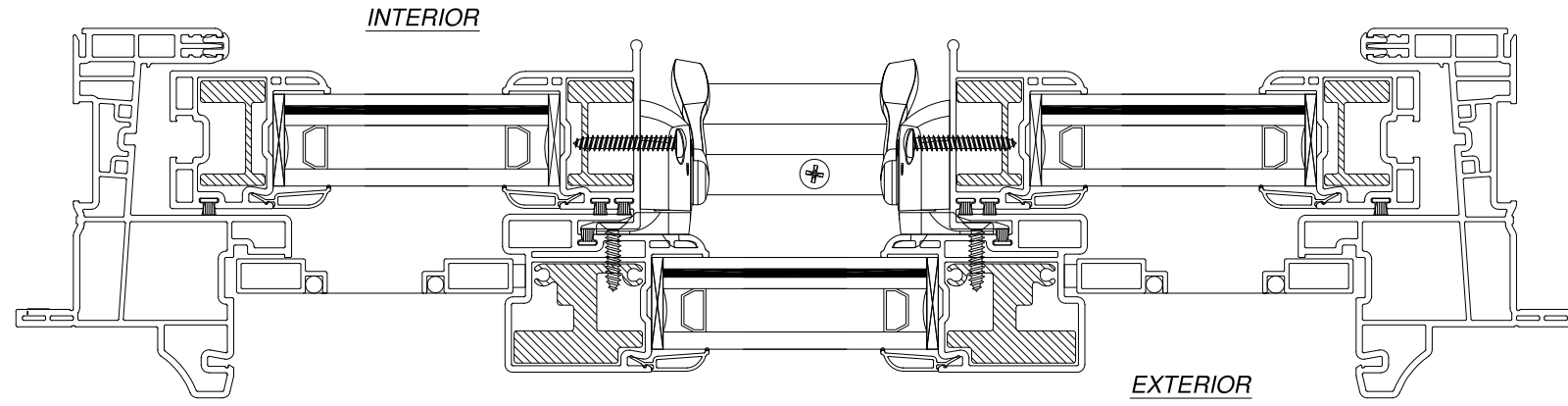
HARDWARE SCHEDULE	
A.	(4) ASHLAND DUAL KEEPERS (13999) AT FIXED MEETING STILE 8" FROM HEAD & SILL
B.	(4) ASHLAND DUAL LOCKS (D2100AL/R) AT SASH LOCK STILE 8" FROM SASH CORNERS
C.	(4) ROLLER HOUSINGS AT EACH CORNER OF SASH BOTTOM RAILS.
D.	(3) TRACKS AT OPERABLE SASH HEAD & SILL
E.	(1) ALUMINUM REINFORCEMENT (10300265) IN FIXED MEETING RAIL
F.	(5) ALUMINUM REINFORCEMENT (10300266) IN SASH TOP AND BOTTOM RAILS, JAMB STILES AND SASH LOCK RAIL

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SERIES 176 HRP 333 SGP VINYL HORIZONTAL SLIDING WINDOW IMPACT ELEVATIONS			
DRAWN: A.R.	DWG NO. 08-03891	REV -	
SCALE NTS	DATE 03/01/23	SHEET 2 OF 8	
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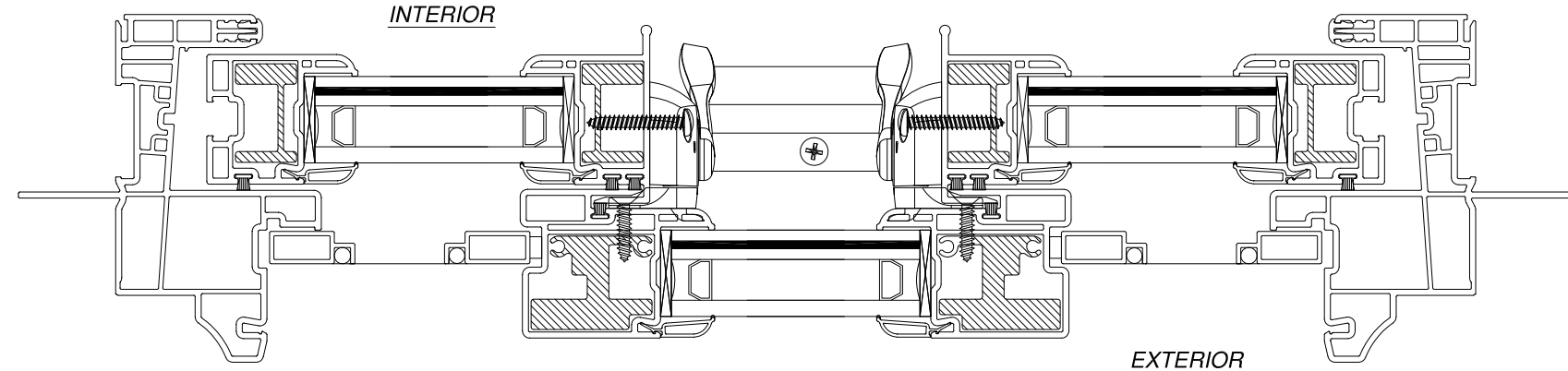


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HORIZONTAL CROSS SECTIONS
FINLESS INSTALLATION



HORIZONTAL CROSS SECTIONS
FIN INSTALLATION

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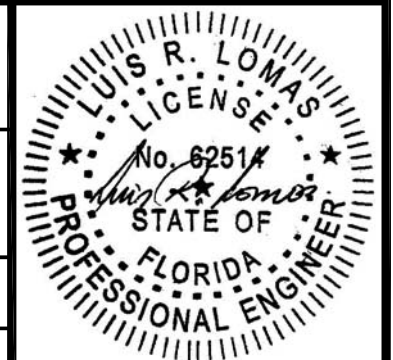

Eastern
 ARCHITECTURAL SYSTEMS
 ALUMINUM AND VINYL
 IMPACT WINDOWS AND DOORS

EASTERN ARCHITECTURAL SYSTEMS
 A DIVISION OF
 EASTERN METAL SUPPLY
 16341 DOMESTIC AVE
 FORT MYERS, FL 33912
 800-432-2204

SERIES 176 HRP 333 SGP VINYL
 HORIZONTAL SLIDING WINDOW IMPACT
 HORIZONTAL CROSS SECTIONS

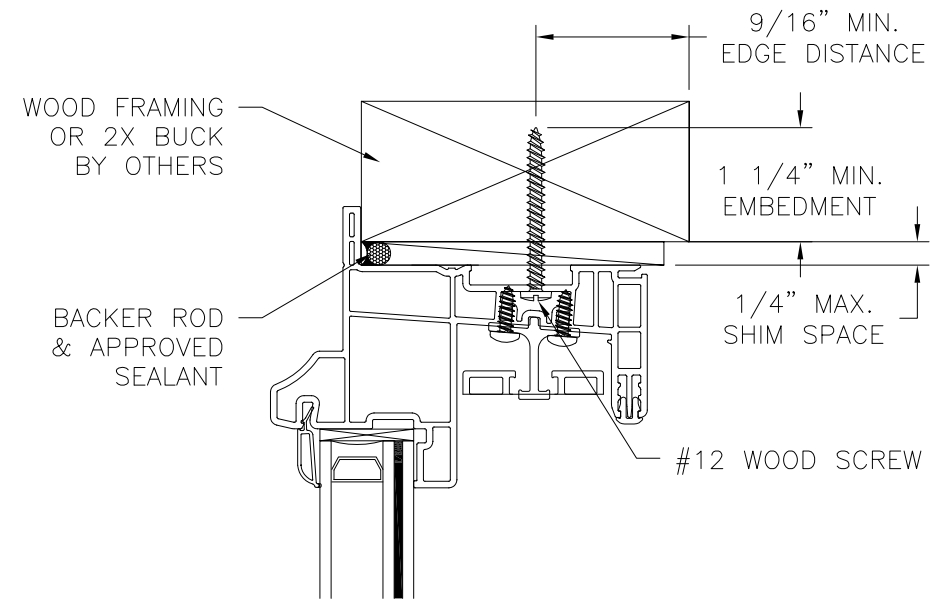
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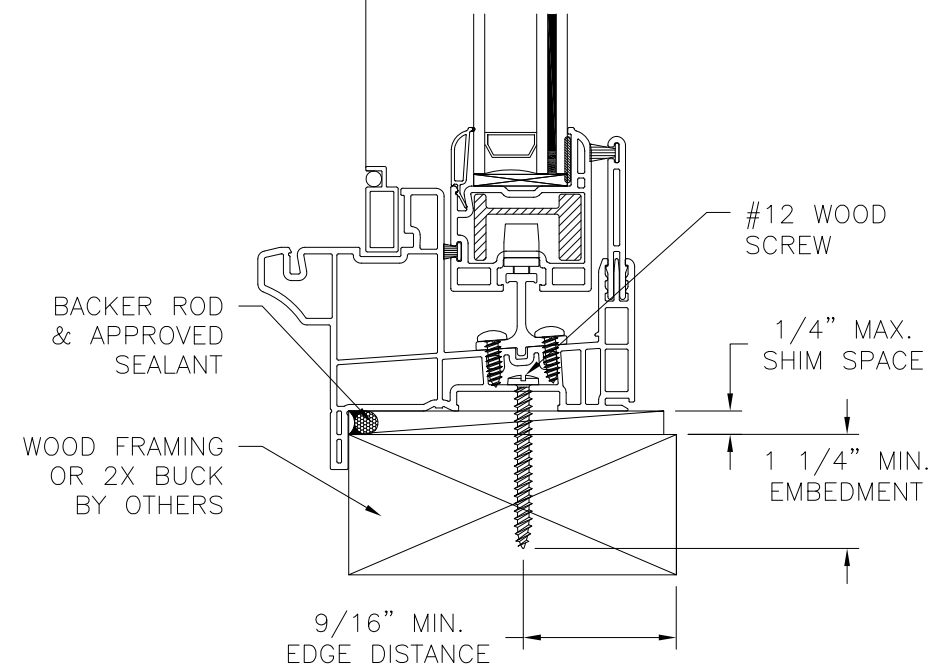
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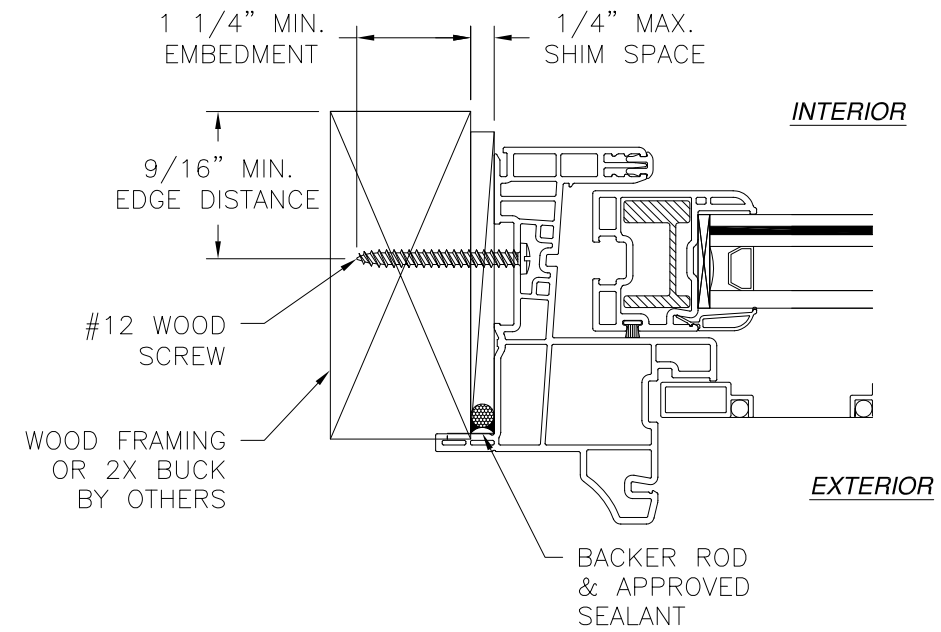


EXTERIOR

INTERIOR



VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION

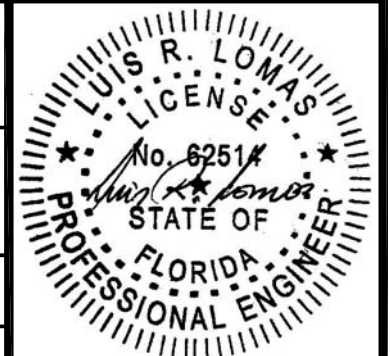


JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

- 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

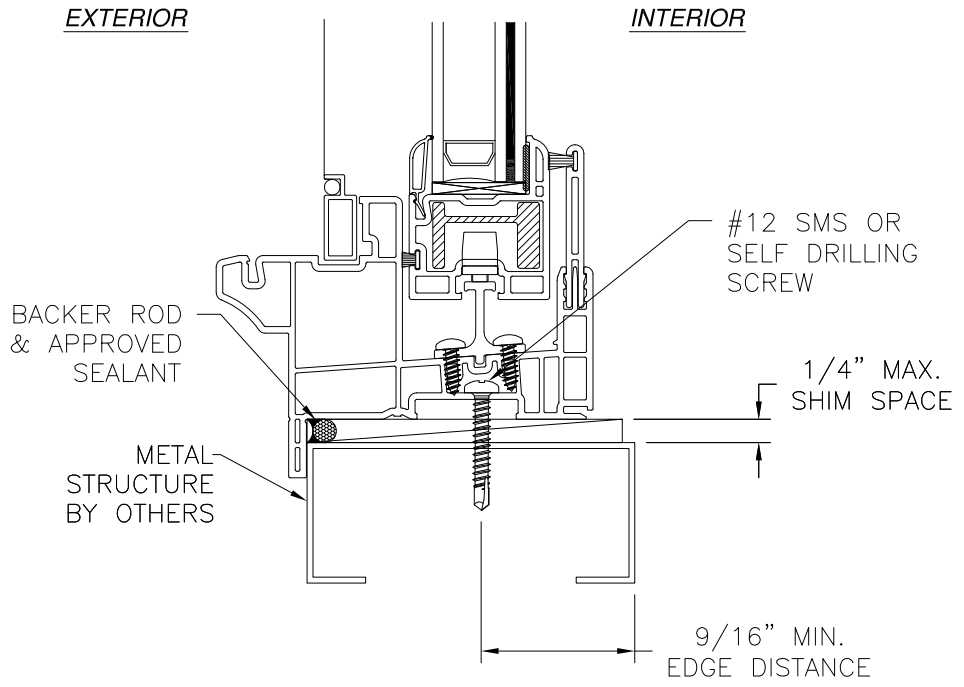
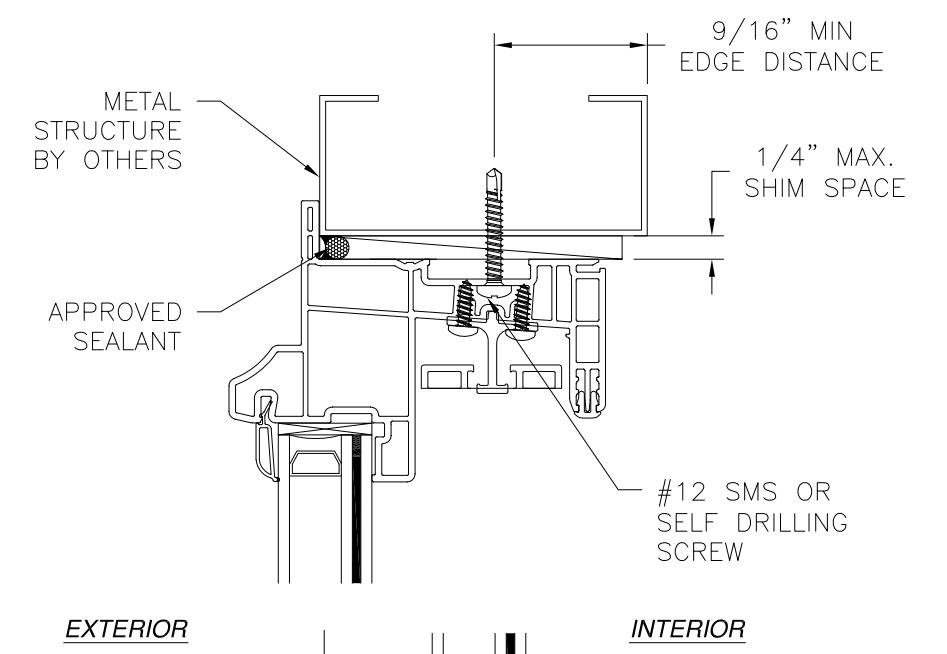
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L. ROBERTO LOMAS P.E. 400 S. PALM AVE, INDIALANTIC, FL 32903 434-688-0609 rllomas@rlomaspe.com			

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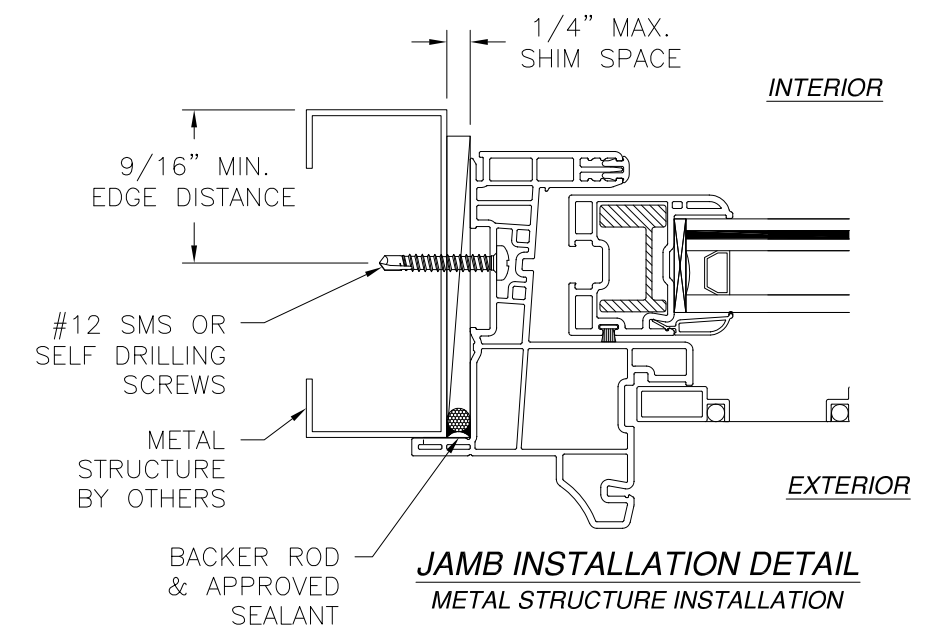


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VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION

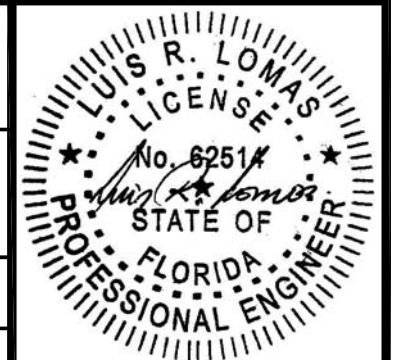


JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION

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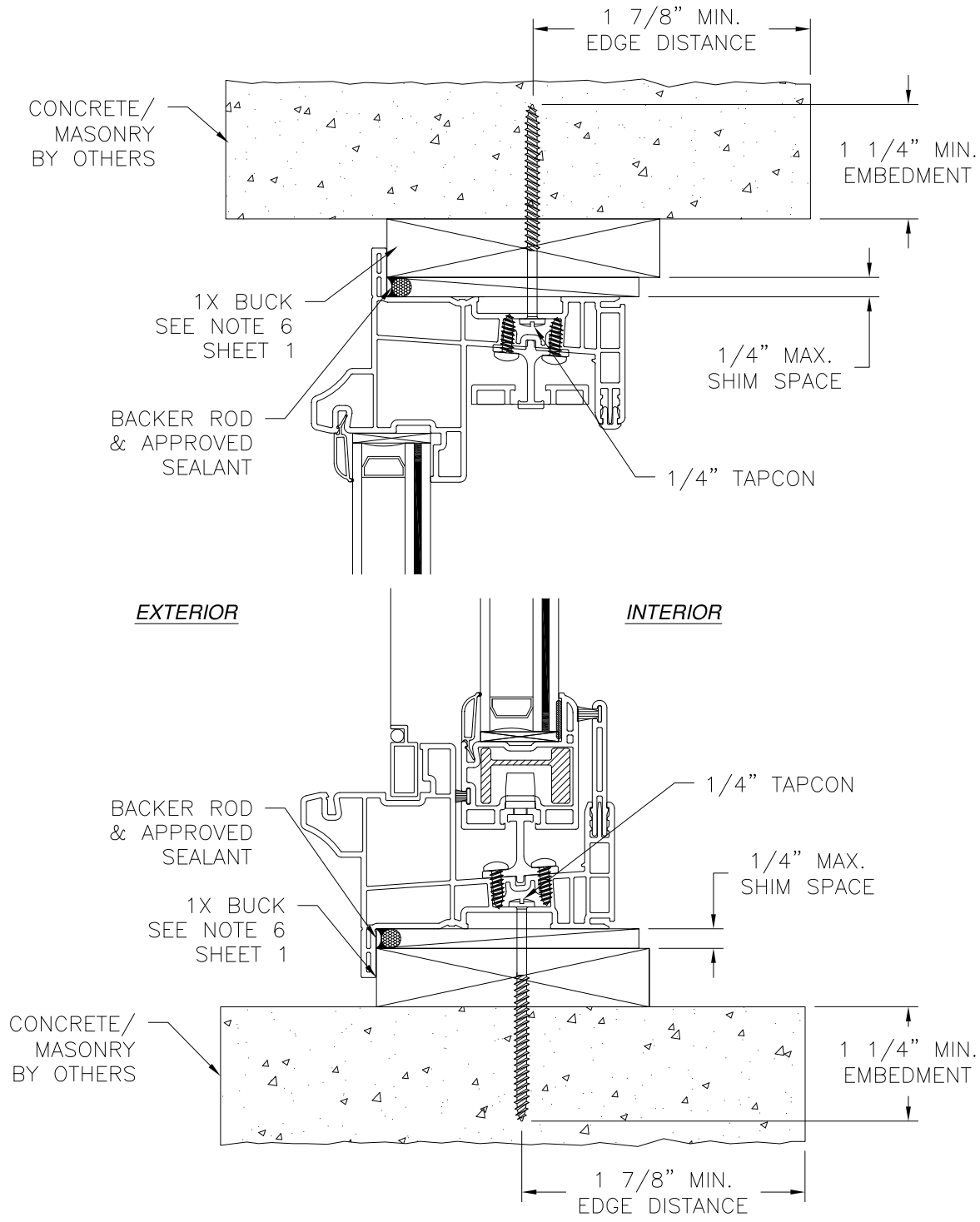
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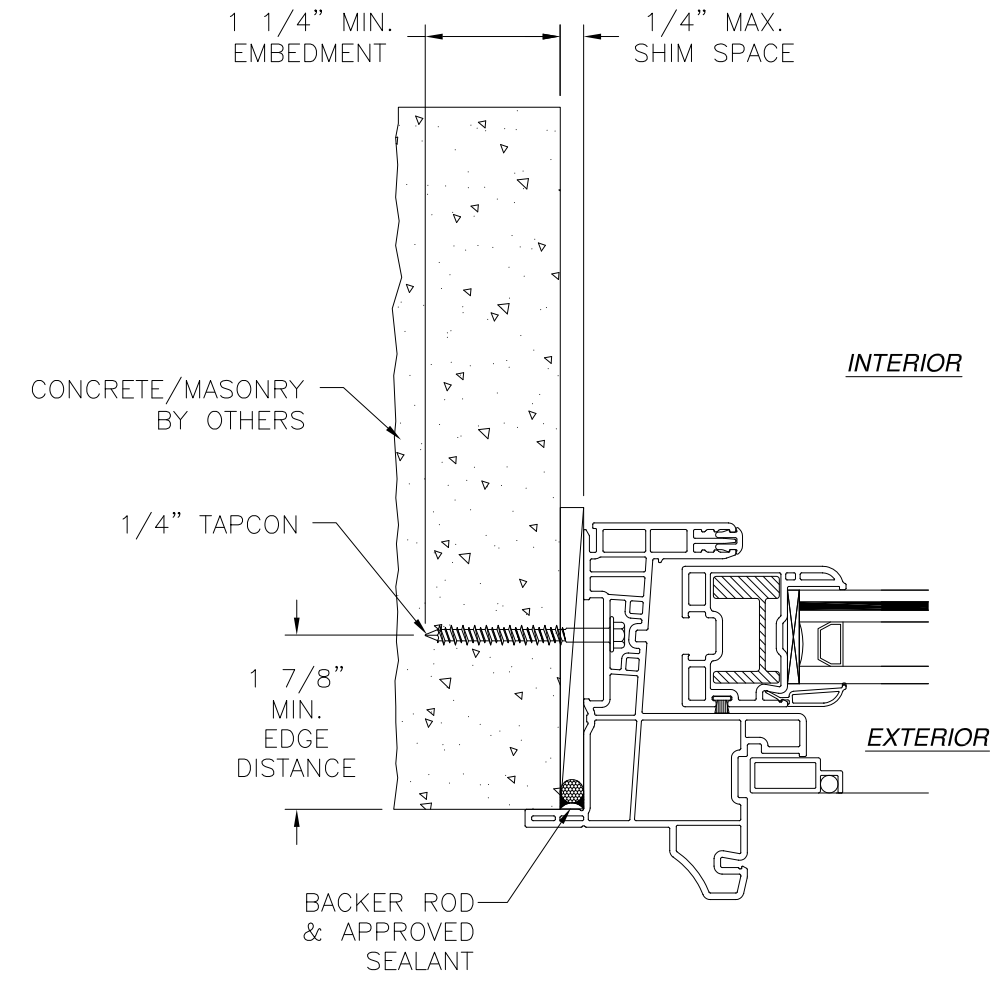


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VERTICAL CROSS SECTION
 CONCRETE/MASONRY WITH 1X BUCK INSTALLATION
 FOR CONCRETE/MASONRY WITHOUT 1X BUCK REFER TO
 JAMB INSTALLATION DETAIL

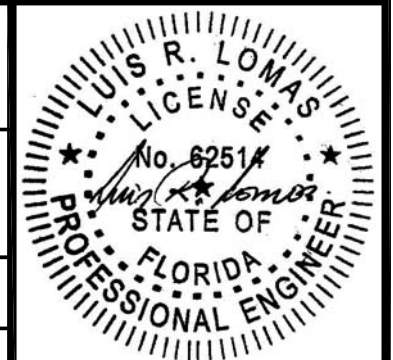


JAMB INSTALLATION DETAIL
 CONCRETE/MASONRY WITHOUT 1X BUCK INSTALLATION
 FOR CONCRETE/MASONRY INSTALLATION WITH 1X BUCK REFER TO
 HEAD AND SILL INSTALLATION DETAILS

- NOTES:**
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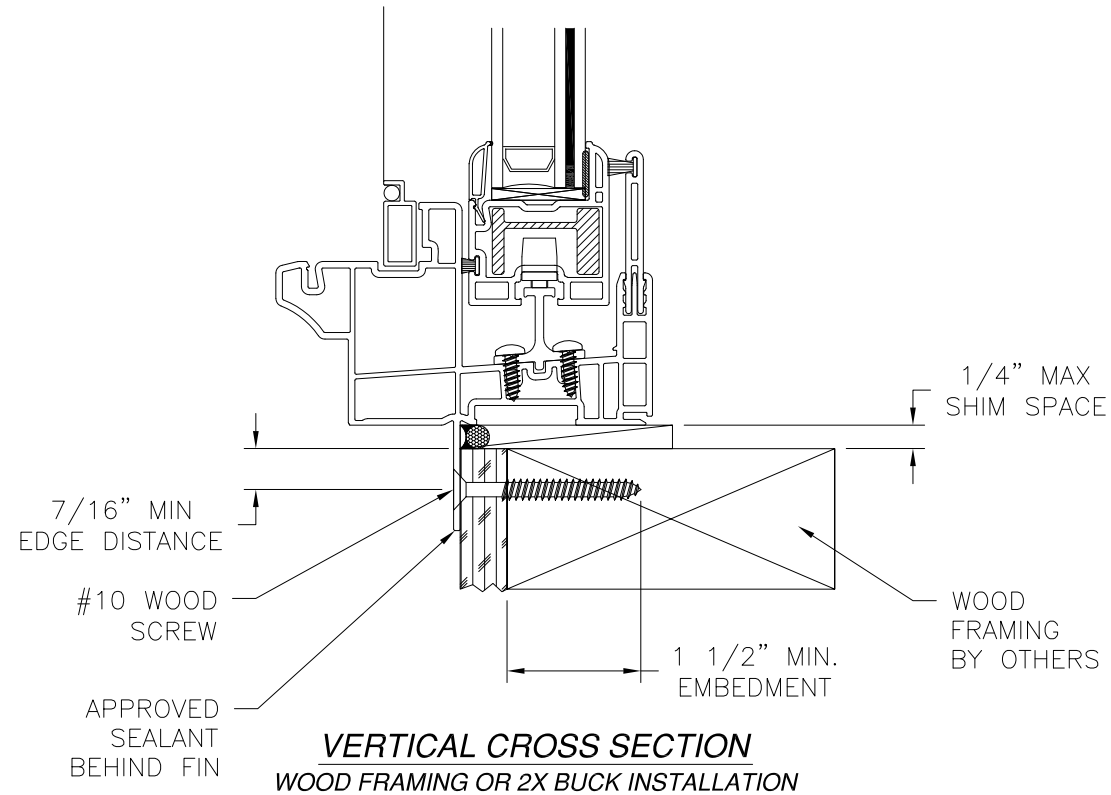
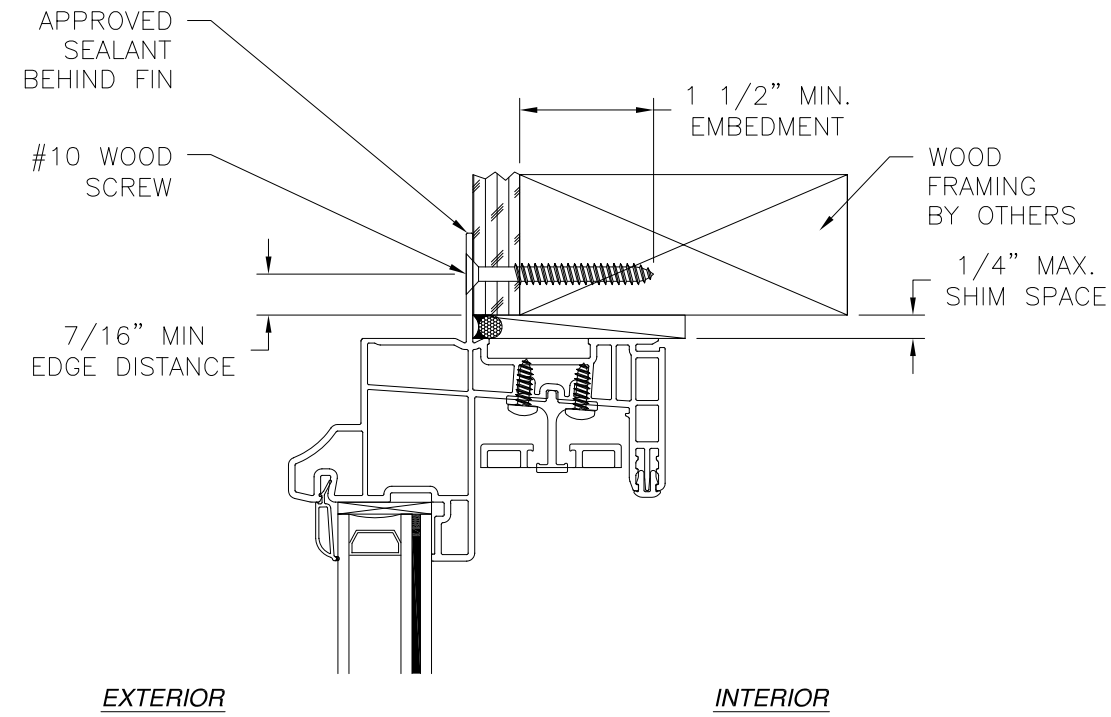
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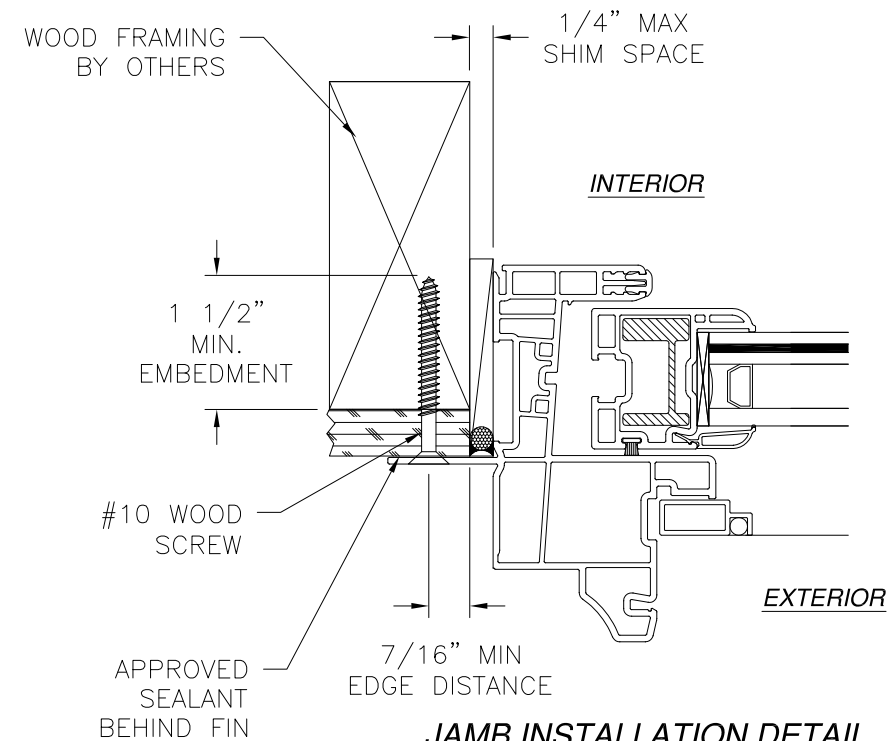


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VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION

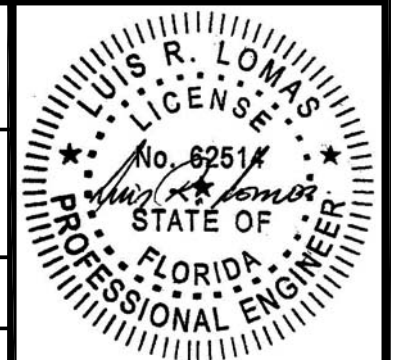


JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

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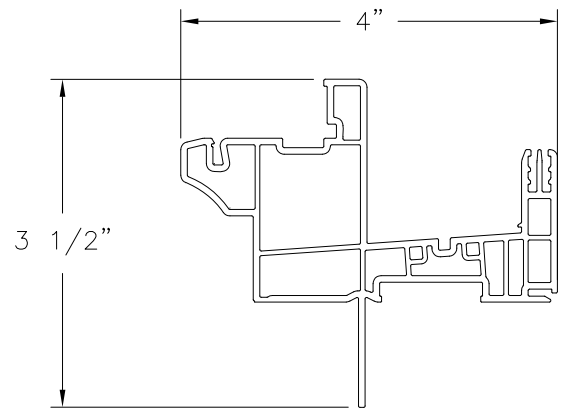
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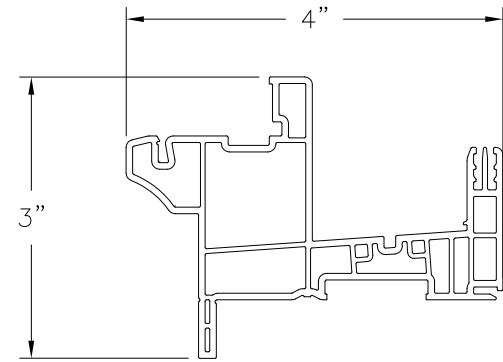


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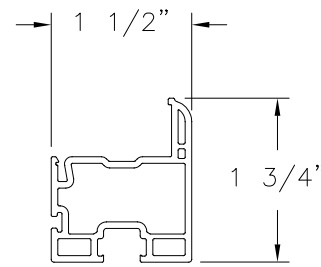
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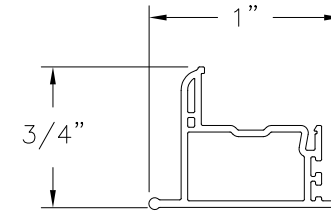
**MAIN FRAME
FIN INSTALLATION (4761)**
EXTRUDED RIGID PVC



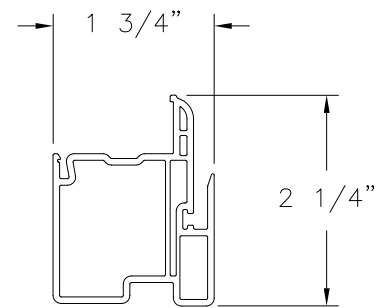
MAIN FRAME (4731)
EXTRUDED RIGID PVC



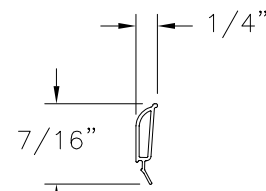
BOTTOM RAIL (5539)
EXTRUDED RIGID PVC



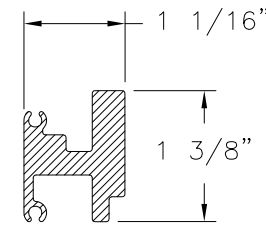
LOCK RAIL (4720)
EXTRUDED RIGID PVC



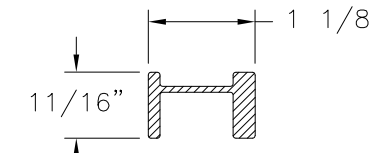
FIXED MEETING RAIL (4719)
EXTRUDED RIGID PVC



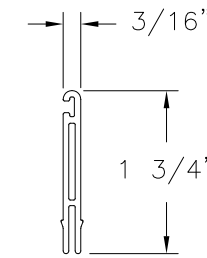
GLAZING BEAD (5464)
EXTRUDED RIGID PVC



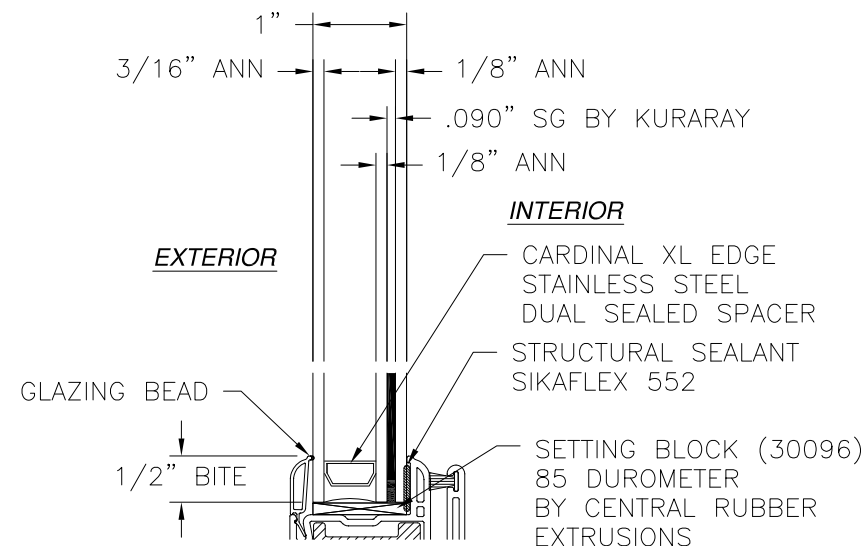
REINFORCEMENT (5556)
6005-T5 ALUMINUM



REINFORCEMENT (5557)
6005-T5 ALUMINUM




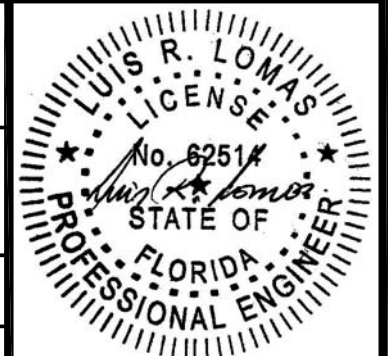
SILL EXTENSION (5139)
EXTRUDED RIGID PVC



GLAZING DETAIL

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		EASTERN ARCHITECTURAL SYSTEMS A DIVISION OF EASTERN METAL SUPPLY 16341 DOMESTIC AVE FORT MYERS, FL 33912 800-432-2204	
SERIES 176 HRP 333 SGP VINYL HORIZONTAL SLIDING WINDOW IMPACT COMPONENTS AND GLAZING DETAILS			
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