

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

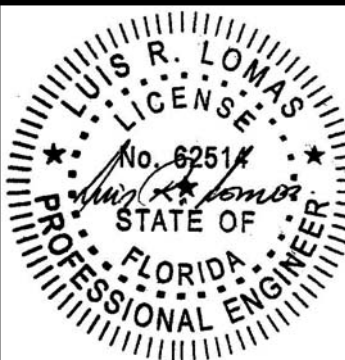
NOTES:

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: XO AND OX.

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2	ELEVATIONS
3	HORIZONTAL CROSS SECTIONS
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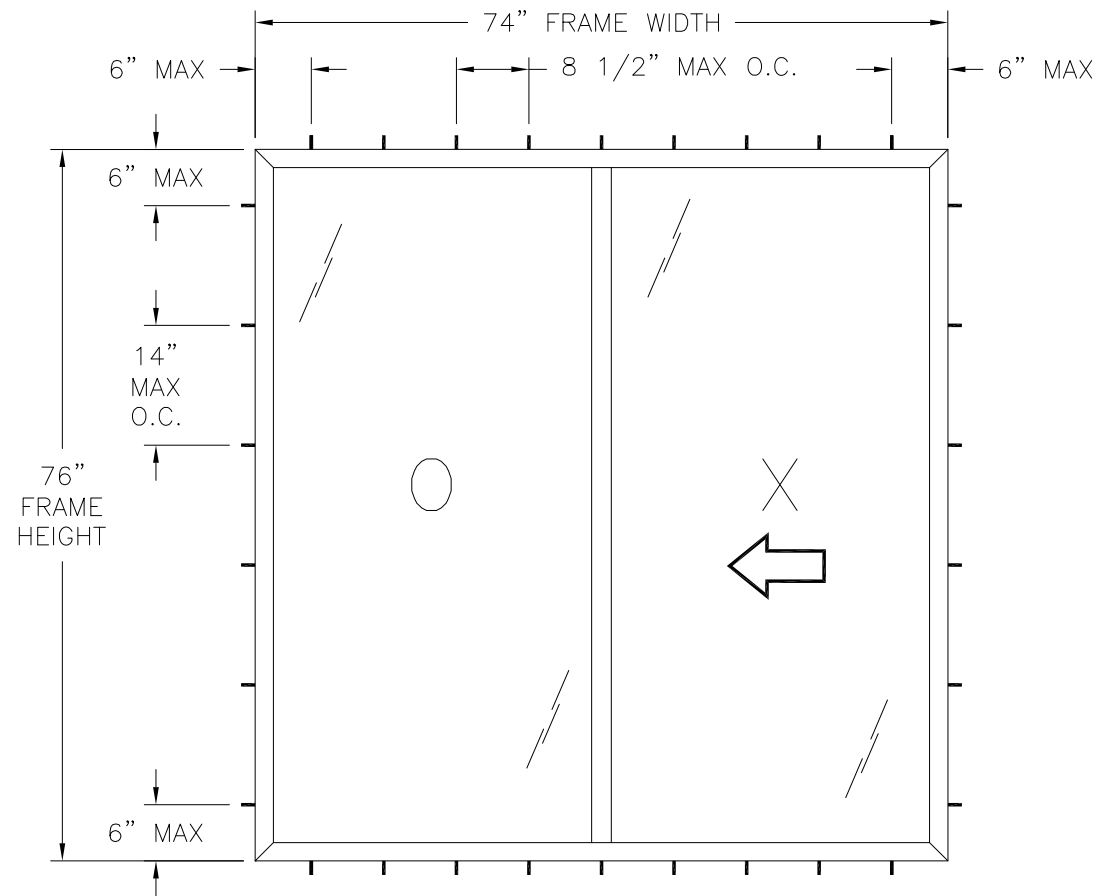
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SERIES 176 HR SGP VINYL HORIZONTAL SLIDING WINDOW IMPACT NOTES					
DRAWN:		DWG NO.		REV	
A.R.		08-03892		-	
SCALE NTS		DATE 03/01/23		SHEET 1 OF 8	
L. ROBERTO LOMAS P.E. 400 S. PALM AVE, INDIALANTIC, FL 32903 434-688-0609 rllomas@rlomaspe.com					



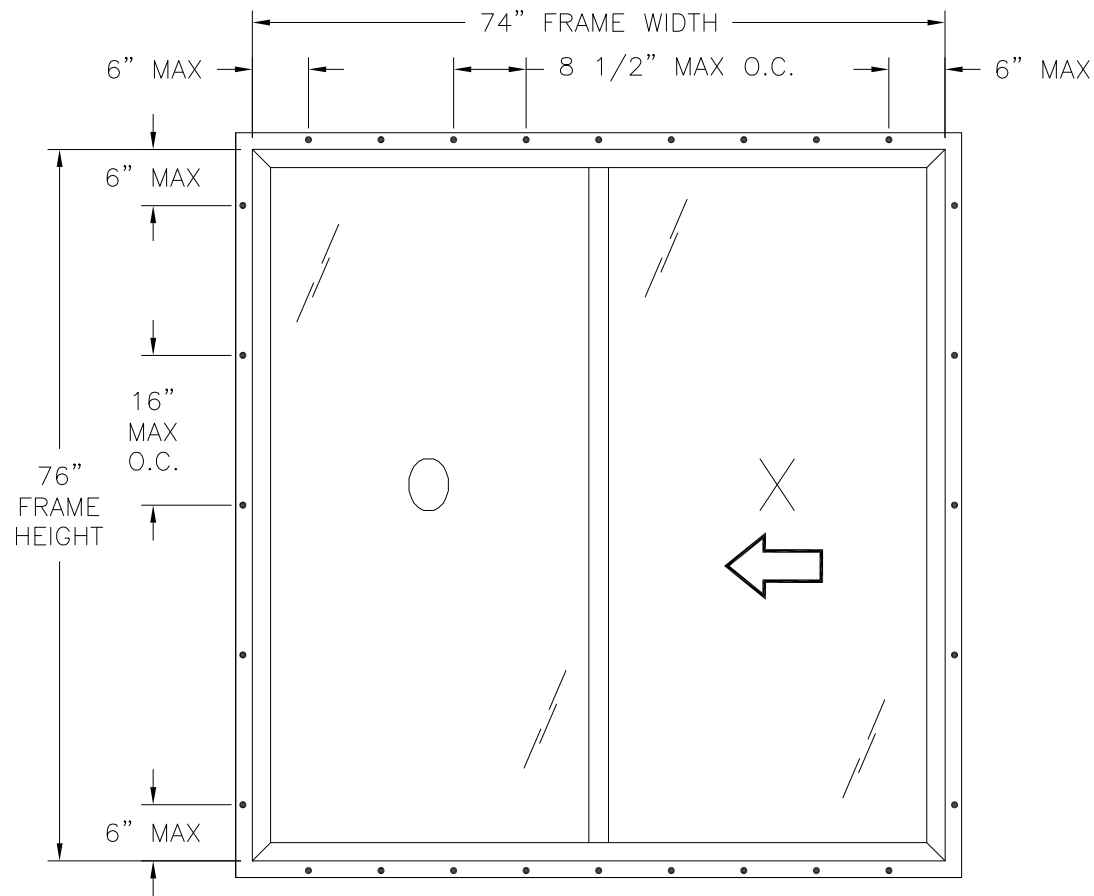
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FL No.: 62514

- NOTES:  
 1. SASH SIZE: 36 5/8" X 73 3/8".  
 2. SASH D.L.O.: 33 1/4" X 69 7/8".  
 3. FIXED D.L.O.: 33 1/4" X 72 3/16"

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**SERIES 176 HR SGP**  
 EXTERIOR VIEW  
 FINLESS INSTALLATION



**SERIES 176 HR 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

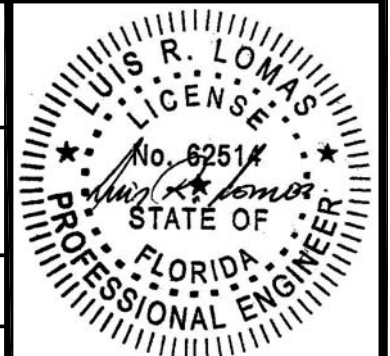
**Eastern**  
 ARCHITECTURAL SYSTEMS  
 ALUMINUM AND VINYL  
 IMPACT WINDOWS AND DOORS

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

SERIES 176 HR SGP VINYL  
 HORIZONTAL SLIDING WINDOW IMPACT  
 ELEVATIONS

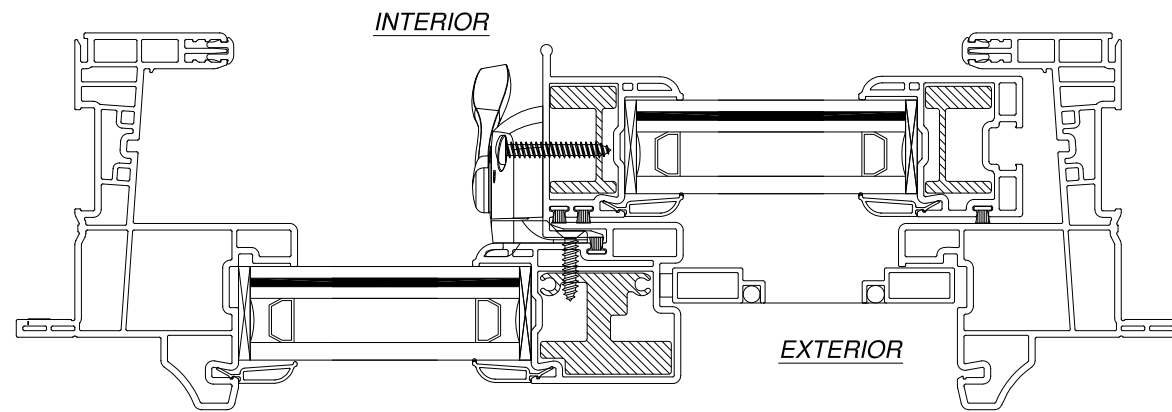
DRAWN: A.R.	DWG NO. 08-03892	REV -
SCALE NTS	DATE 03/01/23	SHEET 2 OF 8

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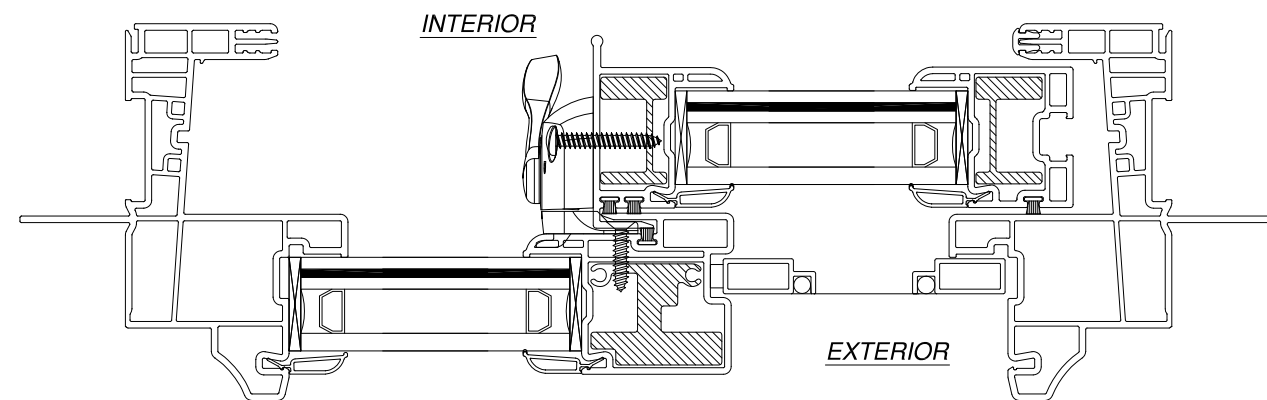


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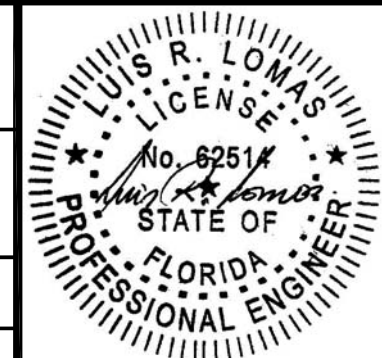
**HORIZONTAL CROSS SECTIONS**  
FINLESS INSTALLATION



**HORIZONTAL CROSS SECTIONS**  
FIN INSTALLATION

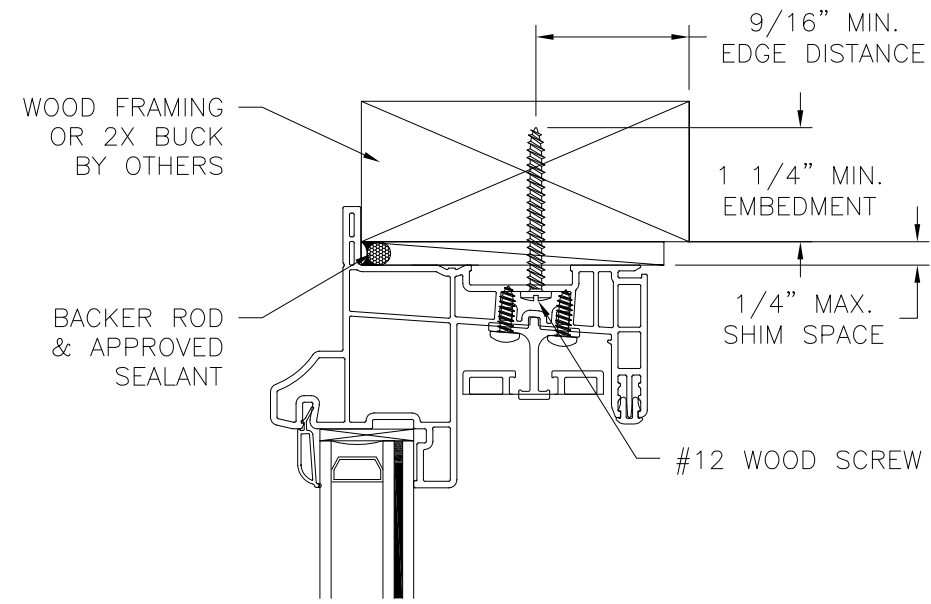
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	SERIES 176 HR SGP VINYL HORIZONTAL SLIDING WINDOW IMPACT HORIZONTAL CROSS SECTIONS	
DRAWN: A.R.	DWG NO. 08-03892	REV -
SCALE NTS	DATE 03/01/23	SHEET 3 OF 8
L. ROBERTO LOMAS P.E. 400 S. PALM AVE, INDIALANTIC, FL 32903 434-688-0609 rllomas@rlomaspe.com		



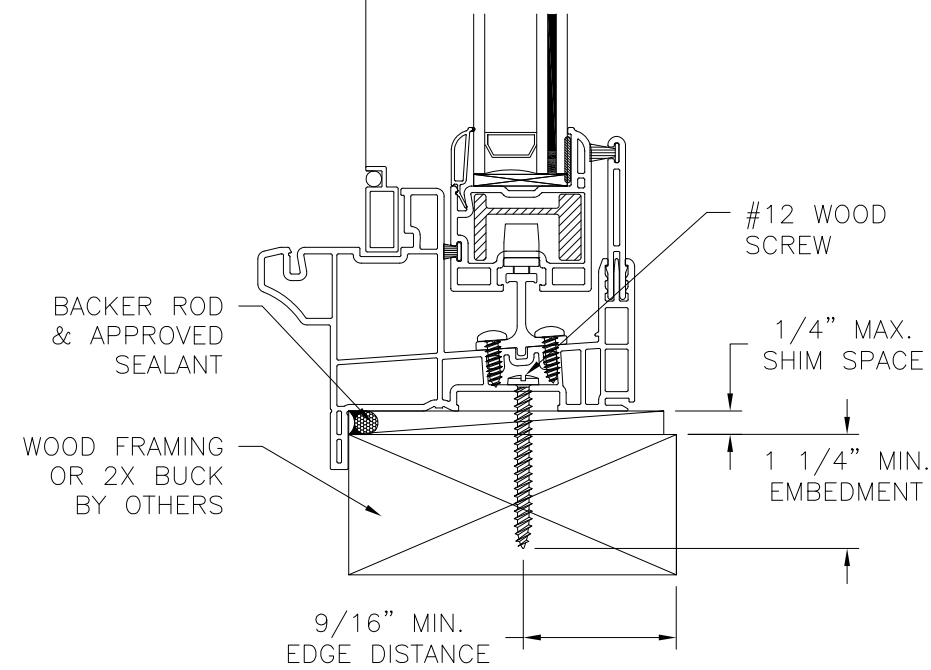
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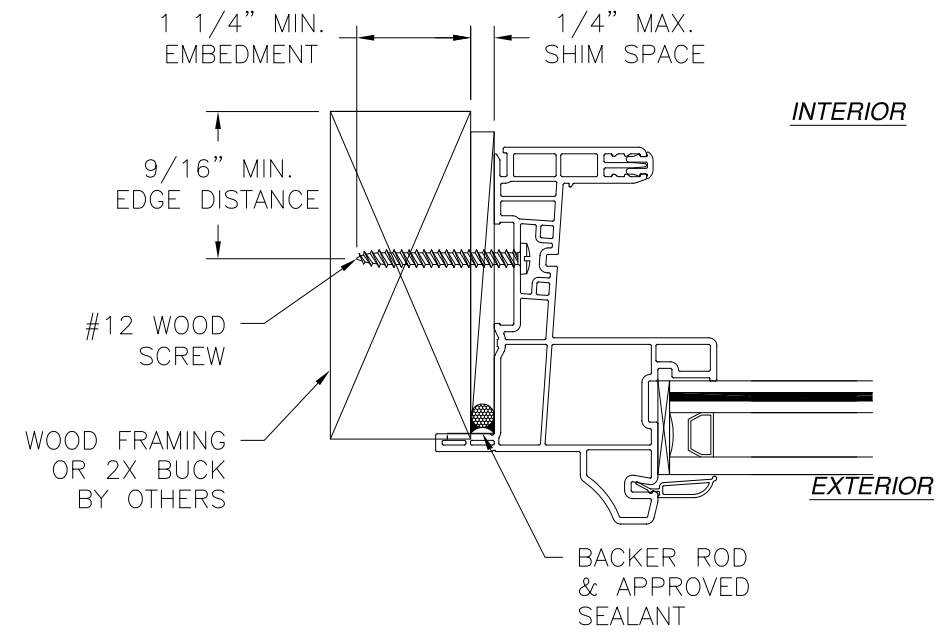


EXTERIOR

INTERIOR



**VERTICAL CROSS SECTION**  
WOOD FRAMING OR 2X BUCK INSTALLATION

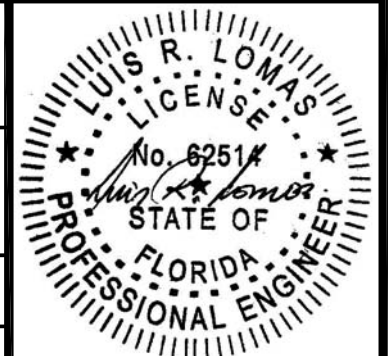


**JAMB INSTALLATION DETAIL**  
WOOD FRAMING OR 2X BUCK INSTALLATION

- 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

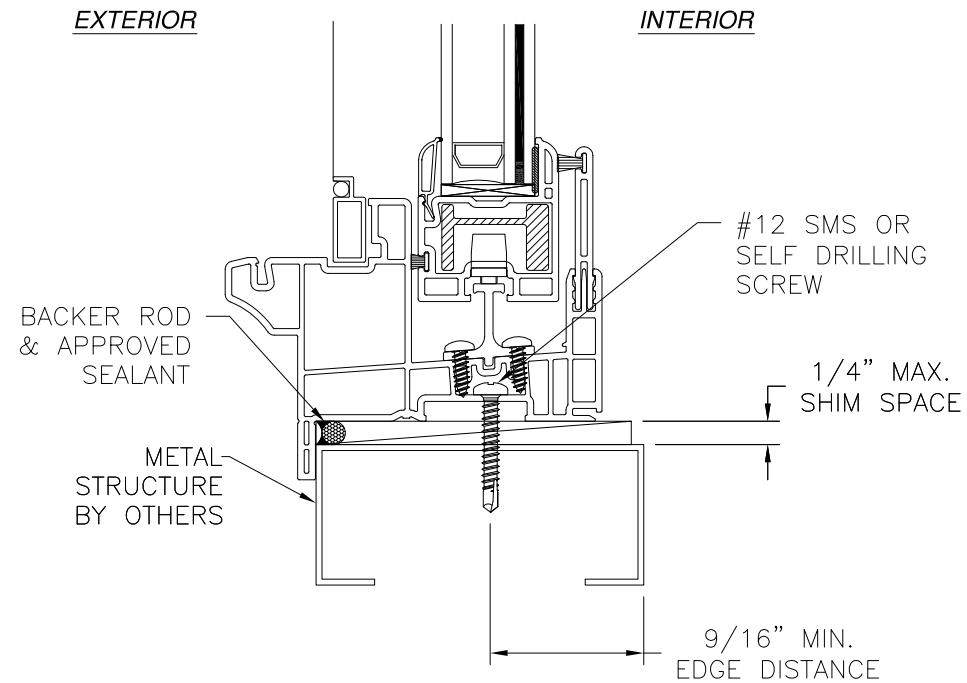
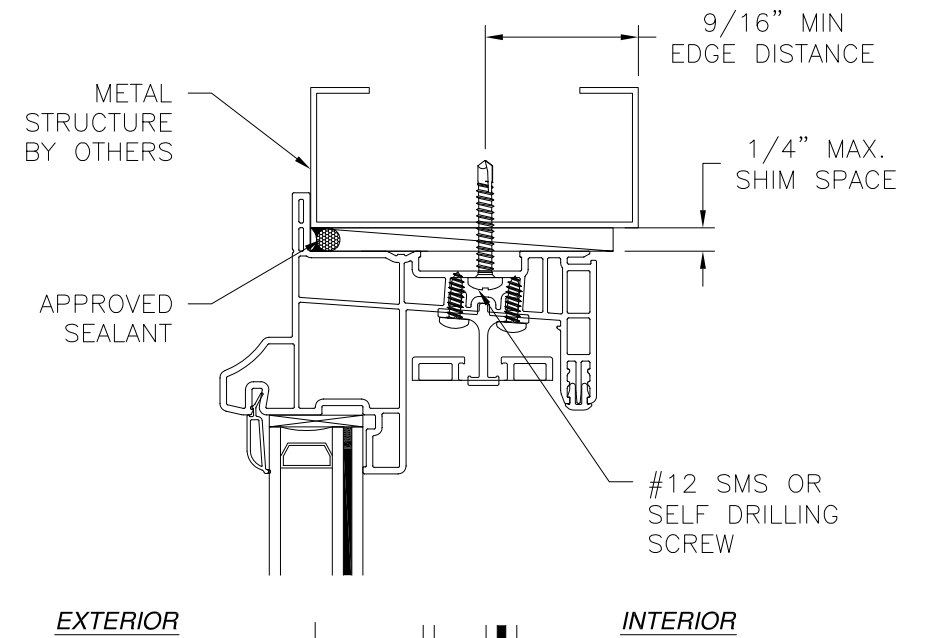
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L. ROBERTO LOMAS P.E. 400 S. PALM AVE, INDIALANTIC, FL 32903 434-688-0609 rllomas@rlomaspe.com			

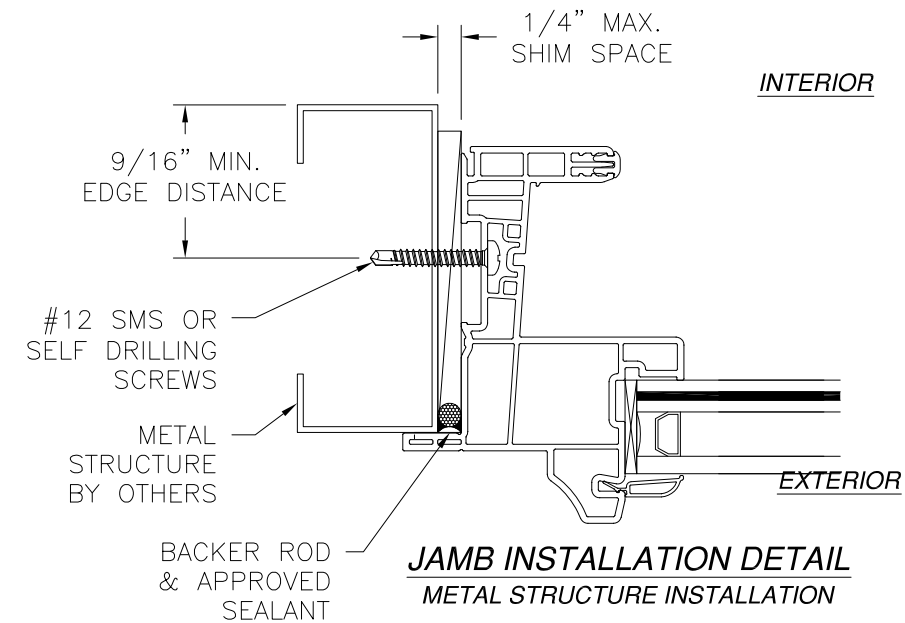


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**VERTICAL CROSS SECTION**  
METAL STRUCTURE INSTALLATION

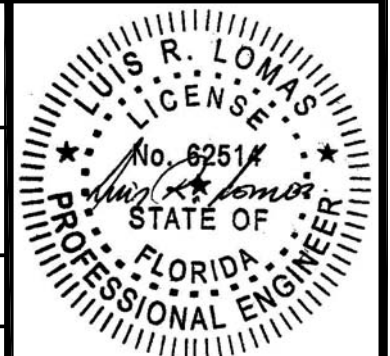


**JAMB INSTALLATION DETAIL**  
METAL STRUCTURE INSTALLATION

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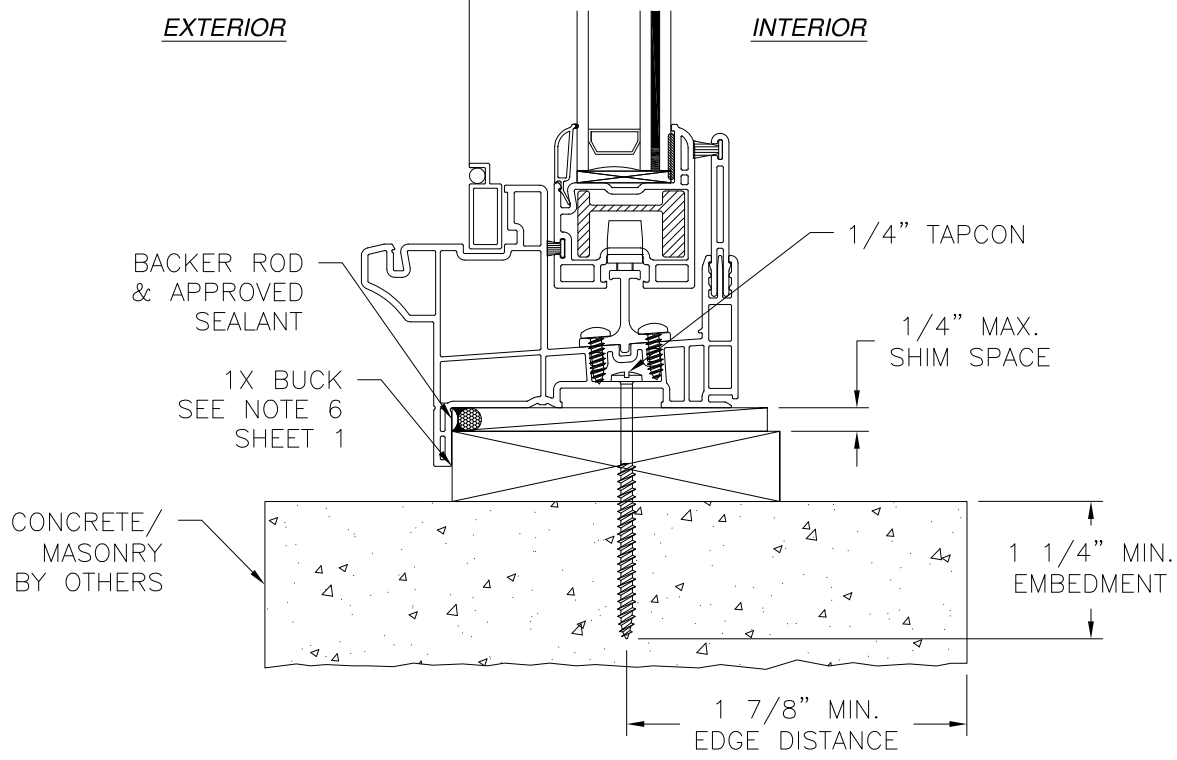
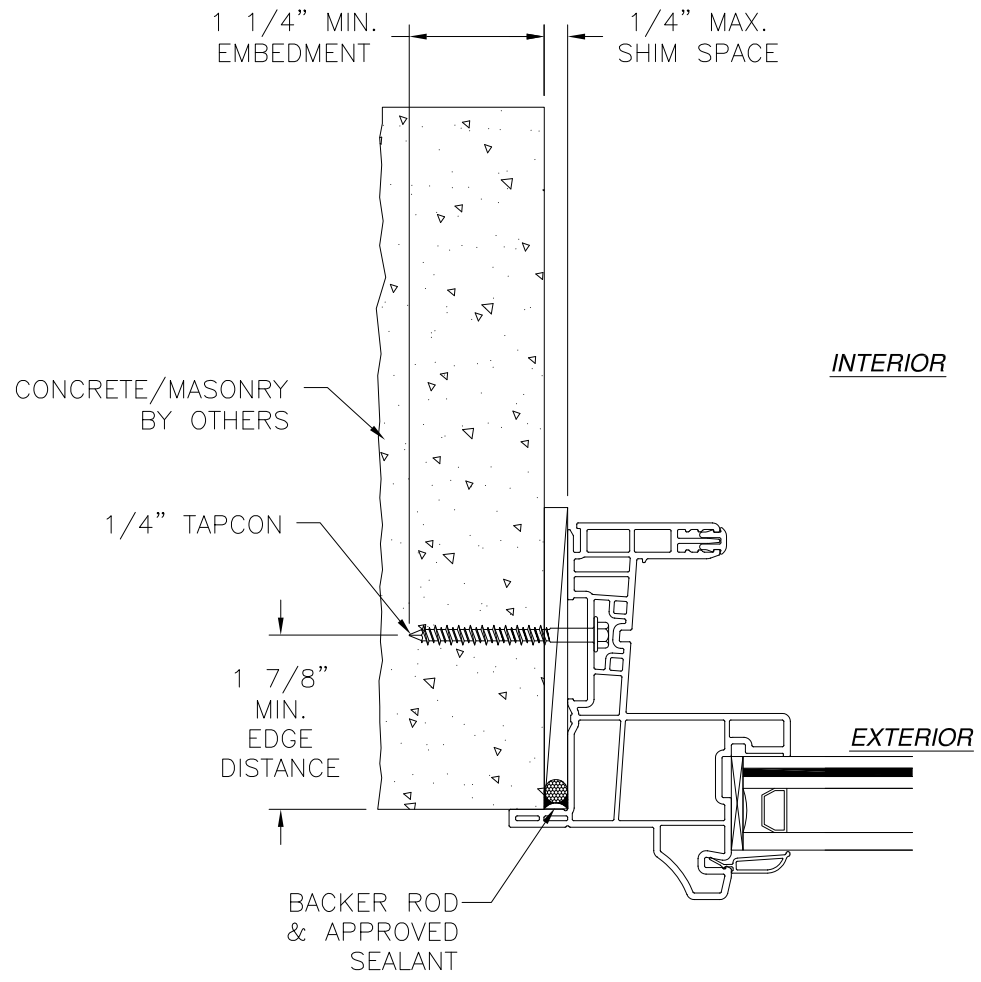
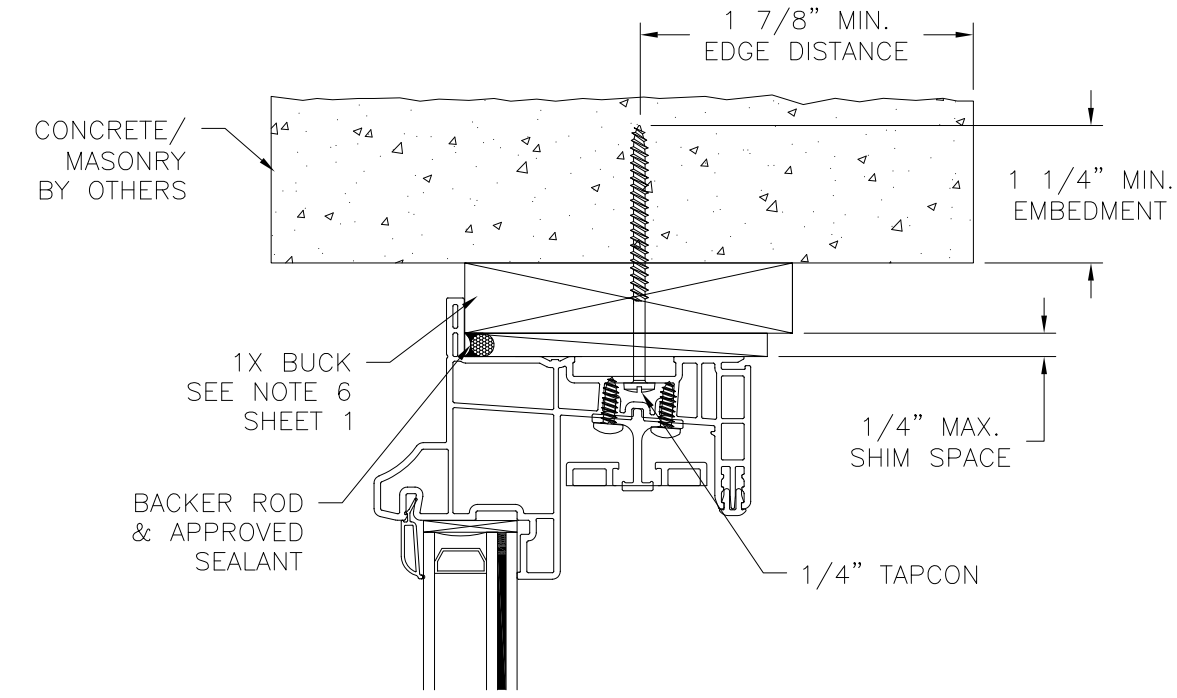
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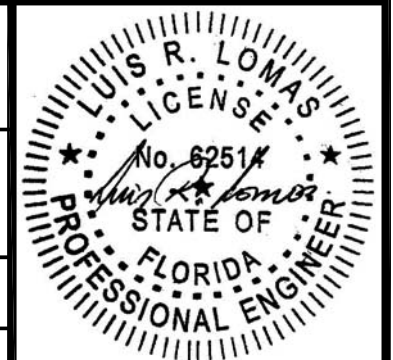
**JAMB INSTALLATION DETAIL**  
 CONCRETE/MASONRY WITHOUT 1X BUCK INSTALLATION  
 FOR CONCRETE/MASONRY INSTALLATION WITH 1X BUCK REFER TO  
 HEAD AND SILL INSTALLATION DETAILS

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

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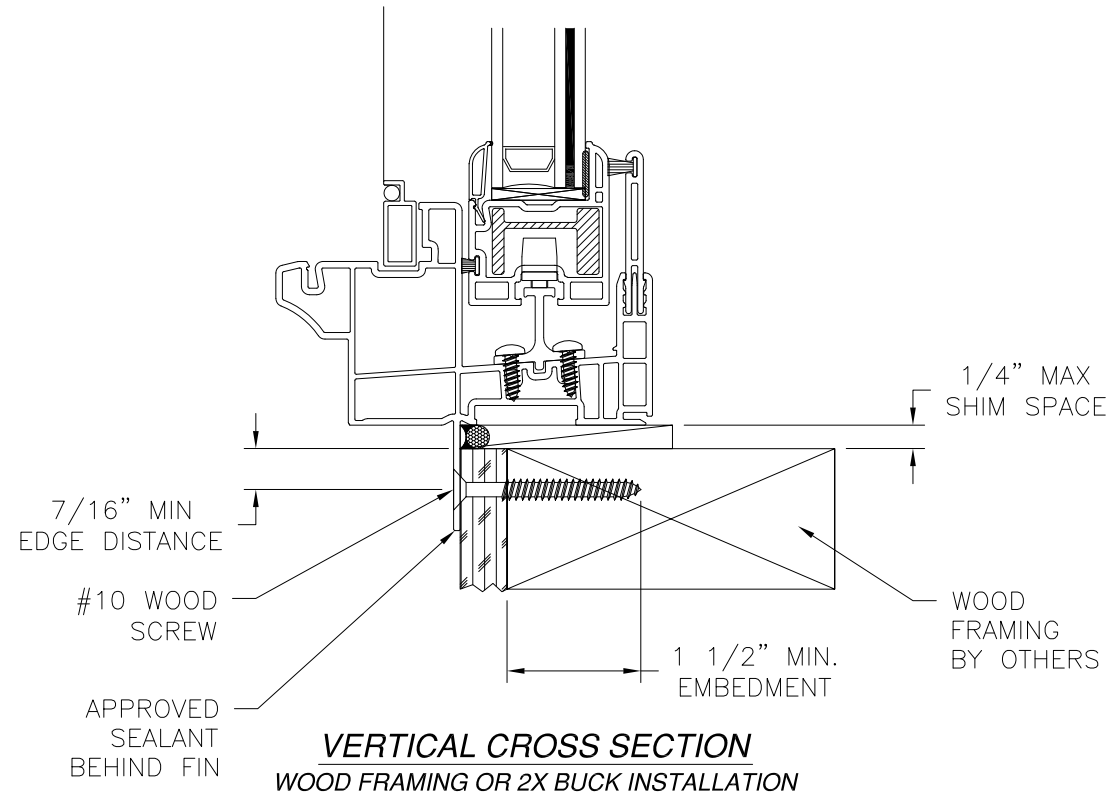
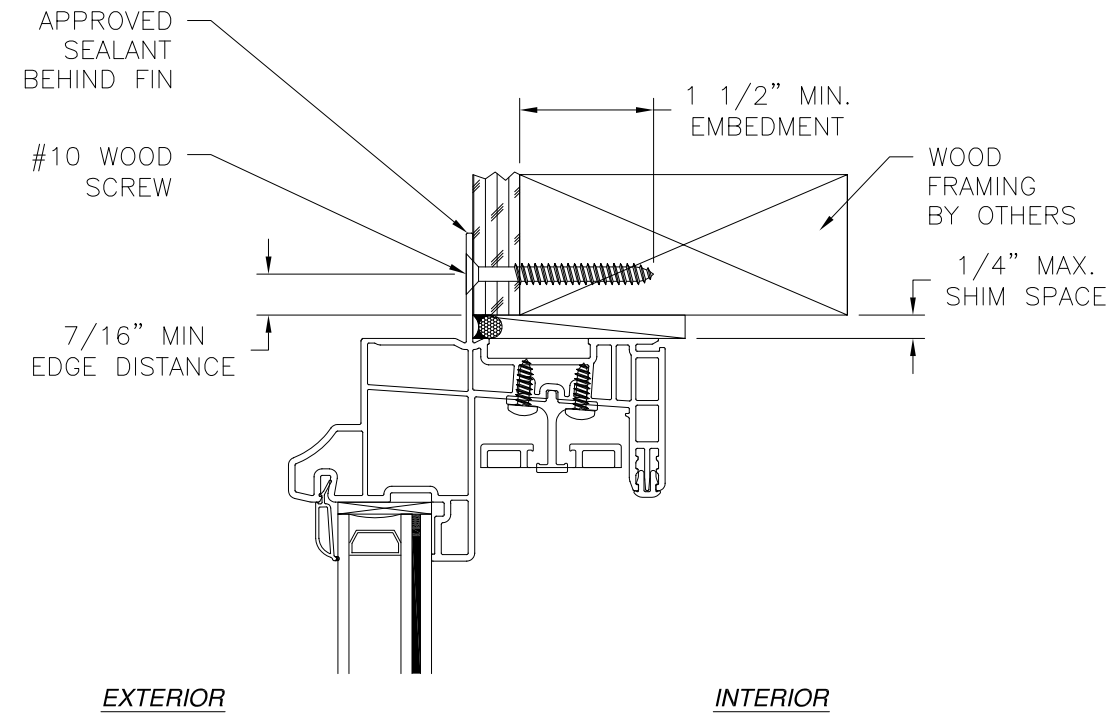
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<b>SERIES 176 HR SGP VINYL          HORIZONTAL SLIDING WINDOW IMPACT          INSTALLATION DETAILS</b>					
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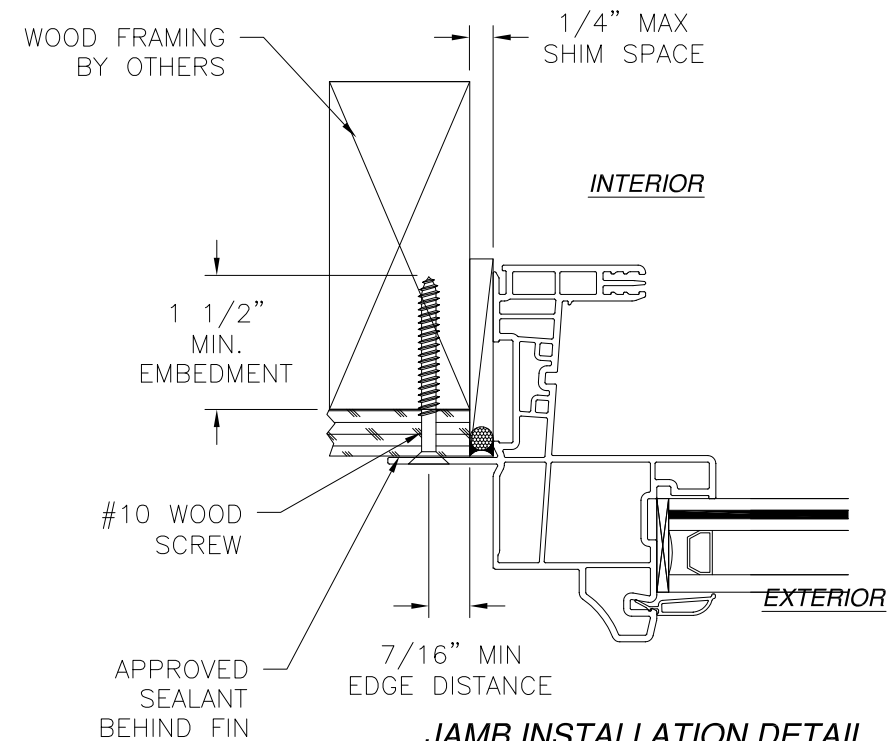


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**VERTICAL CROSS SECTION**  
WOOD FRAMING OR 2X BUCK INSTALLATION



**JAMB INSTALLATION DETAIL**  
WOOD FRAMING OR 2X BUCK INSTALLATION

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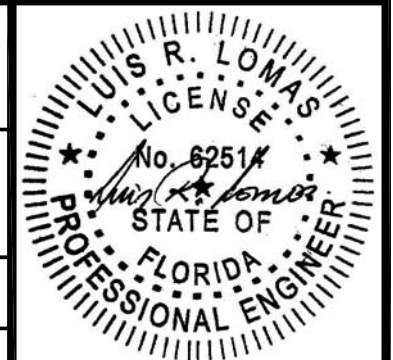
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SERIES 176 HR SGP VINYL  
HORIZONTAL SLIDING WINDOW IMPACT  
INSTALLATION DETAILS

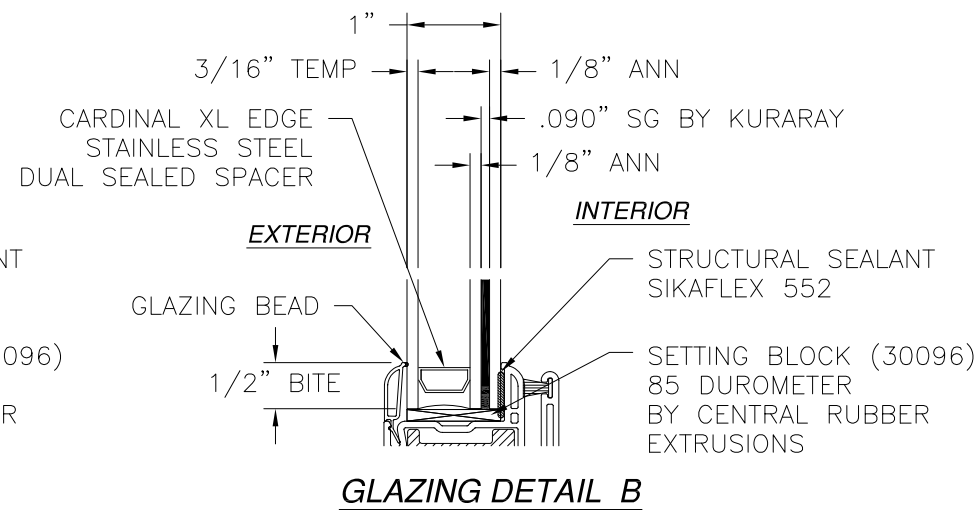
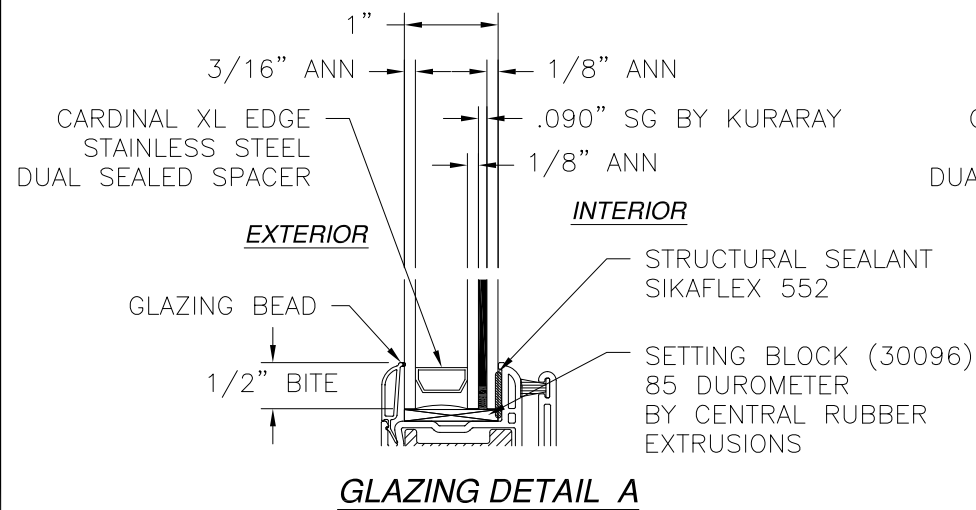
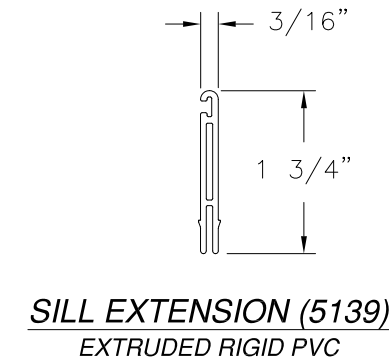
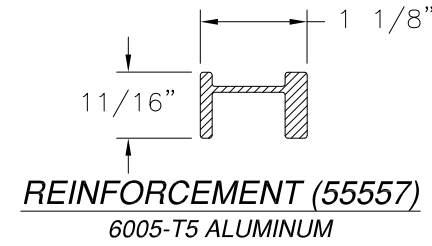
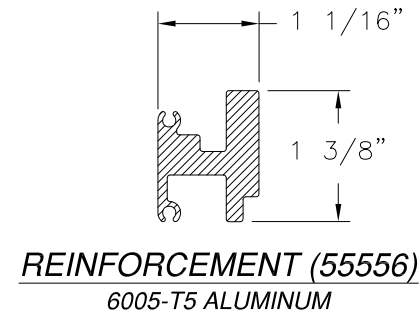
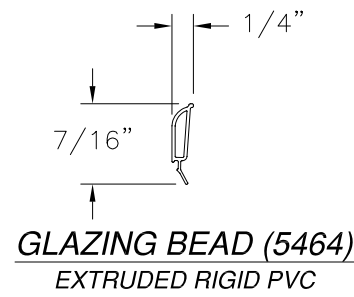
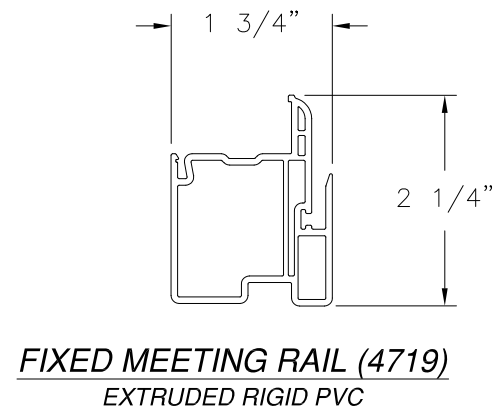
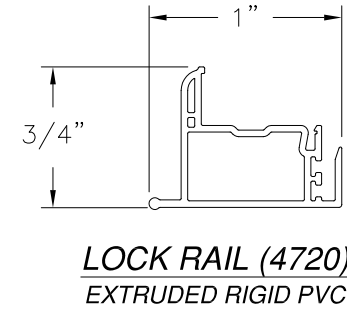
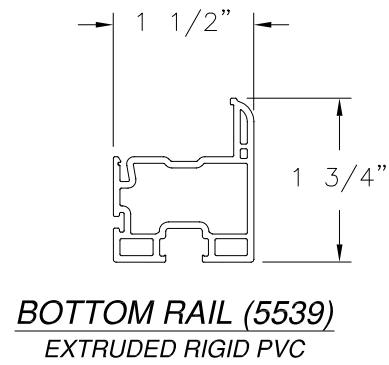
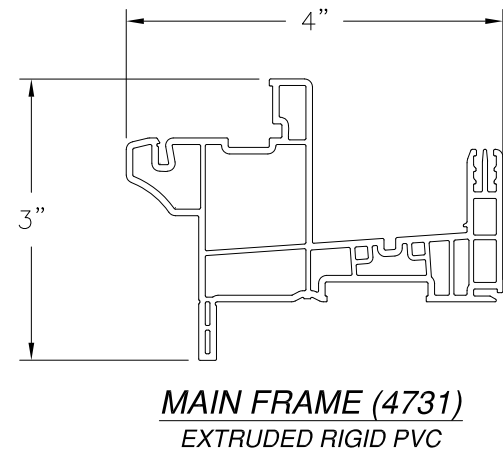
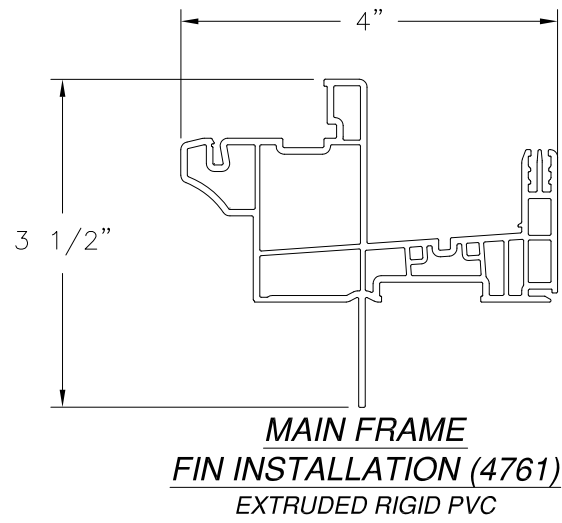
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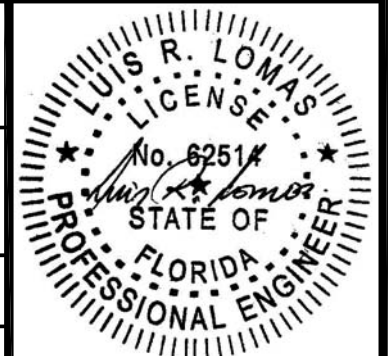
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COMPONENTS AND GLAZING DETAILS**

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