

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	ADDED ORIEL CONFIGURATIONS & RATING	04/29/2021	R.L.


NOTES:


1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE FLORIDA BUILDING.
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. 1X BUCK OVER MASONRY/CONCRETE IS OPTIONAL.
4. 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.
5. 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.
6. 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.
7. BUCKS SHALL EXTEND BEYOND WINDOW INTERIOR FACE SO THAT FULL FRAME SUPPORT IS PROVIDED.
8. 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".
9. SHIMS SHALL BE LOCATED, APPLIED AND MADE FROM MATERIALS AND THICKNESS CAPABLE OF SUSTAINING APPLICABLE LOADS.
10. WIND LOAD DURATION FACTOR Cd=1.6 WAS USED FOR WOOD ANCHOR CALCULATIONS.
11. FRAME MATERIAL: EXTRUDED RIGID PVC.
12. UNITS MUST BE GLAZED PER ASTM E1300, SEE SHEET 6 FOR GLAZING DETAILS.
13. APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.
14. FOR ANCHORING INTO WOOD FRAMING OR 2X BUCK USE #10 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 ANCHORING 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.
16. FOR ANCHORING INTO METAL STRUCTURE USE #10 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 3,000 PSI.
 - C. MASONRY – STRENGTH CONFORMANCE TO ASTM C-90, WITH Fm= 2,000 PSI.
 - D. METAL STRUCTURE: STEEL 18GA (.048"), 33KSI OR ALUMINUM 6063-T5 1/8" THICK MINIMUM

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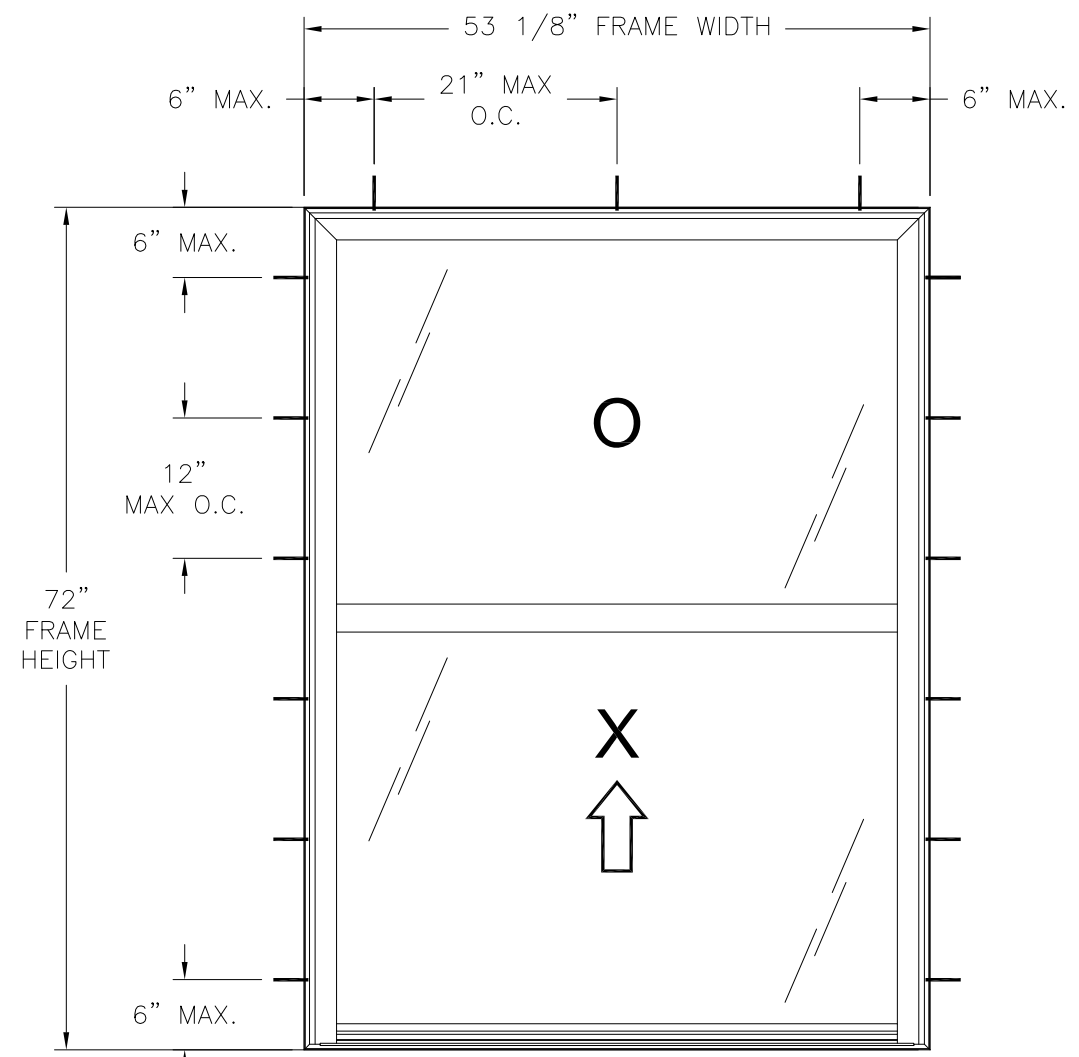
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6	COMPONENTS

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SERIES 2461 VINYL LEG FRAME IMPACT SINGLE HUNG WINDOW – 53 1/2" X 72" NOTES			
DRAWN:		DWG NO.	
N.G.		08-02915	
SCALE		DATE	
NTS		05/24/16	
		SHEET 1 OF 6	
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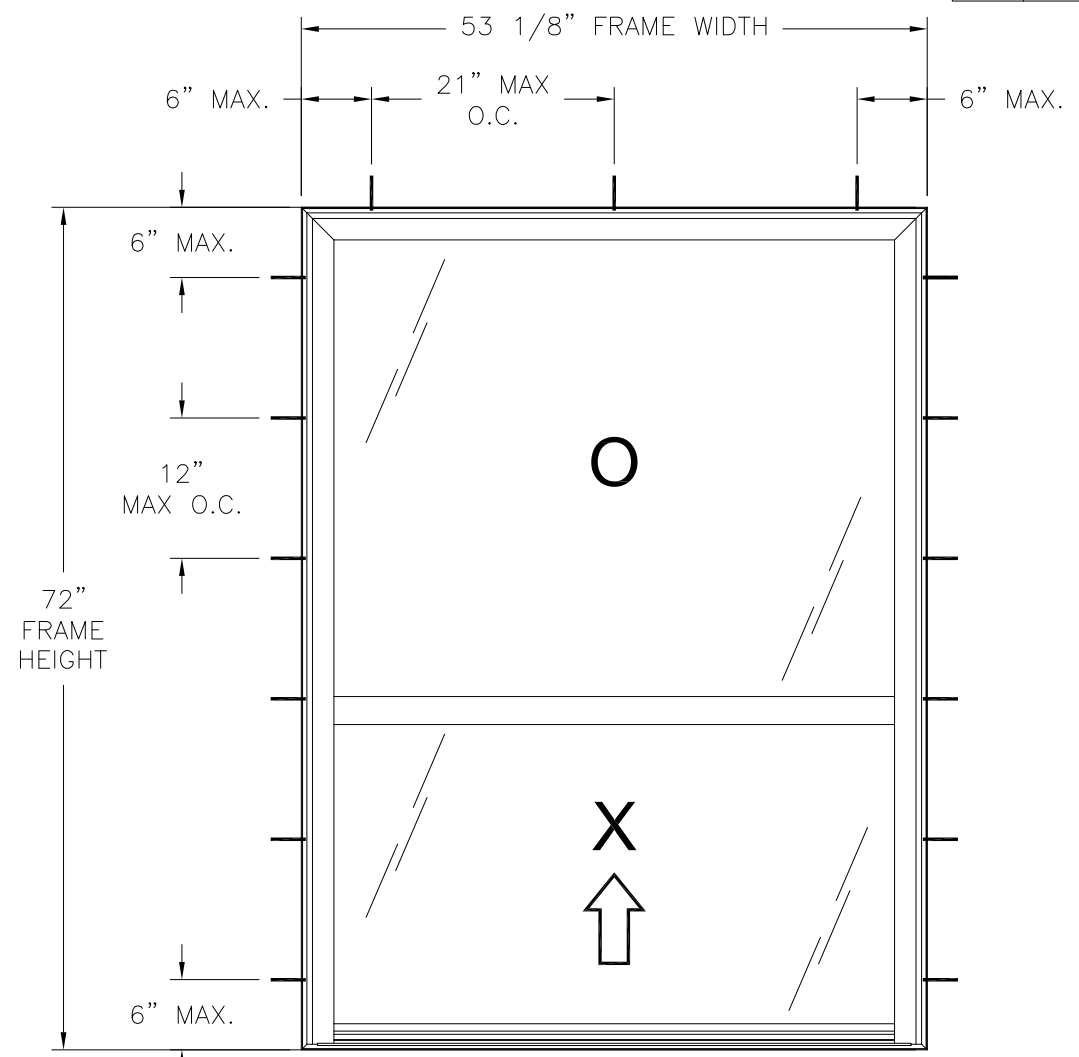


Luis R. Lomas P.E.
FL No.: 62514

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SERIES 2461 SINGLE HUNG EQUAL WINDOW
EXTERIOR VIEW



SERIES 2461 SINGLE HUNG ORIEL WINDOW
EXTERIOR VIEW


- NOTES:
- EQUAL SASH SIZE: 51" X 34 1/2"
 - EQUAL UNIT D.L.O.: 48 1/8" X 32 5/8"
 - ORIEL SASH SIZE: 51" x 29"
 - ORIEL SASH D.L.O.: 48 1/8" X 27 1/8"
 - ORIEL FIXED D.L.O.: 48 1/8" X 41 1/8"
 - (2) 1" X 1/8" WEEP SLOTS AT 3 1/2" FROM EACH CORNER OF JAMB AND SILL.

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

~~53 1/8" X 72" UNIT SHOWN. OTHER SIZES APPROVED AS LONG AS FRAME AREA DOES NOT EXCEED 26.36 FT²~~

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HARDWARE SCHEDULE	
A.	(2) FS-550 SPRING LOADED BALANCE SYSTEM AT EACH JAMB
B.	(2) METAL TILT LATCH SPRING LOADED AT 1 1/2" FROM EACH SASH TOP RAIL
C.	(2) ALUMINUM IMPACT CLIP REINFORCEMENT AT 1 1/2" FROM EACH SASH TOP RAIL
D.	(2) CAST ALUMINUM CAM LOCKS AT 10" FROM EACH JAMB ON SASH TOP RAIL
E.	(2) METALLIC SILL INTERLOCKS AT FRAME SILL, 15" FROM EACH SILL CORNER
F.	EXTRUDED ALUMINUM REINFORCEMENT AT FIXED MEETING RAIL
G.	EXTRUDED ALUMINUM REINFORCEMENT AT SASH STILES AND RAILS



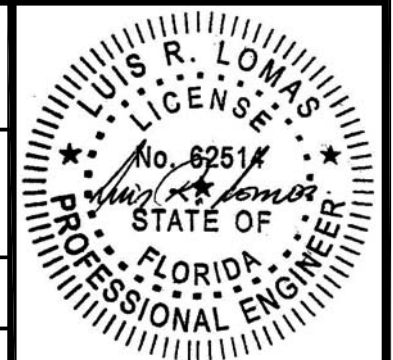
Eastern
ARCHITECTURAL SYSTEMS
ALUMINUM AND VINYL
IMPACT WINDOWS AND DOORS

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

SERIES 2461 VINYL LEG FRAME IMPACT
SINGLE HUNG WINDOW - 53 1/2" X 72"
ELEVATIONS

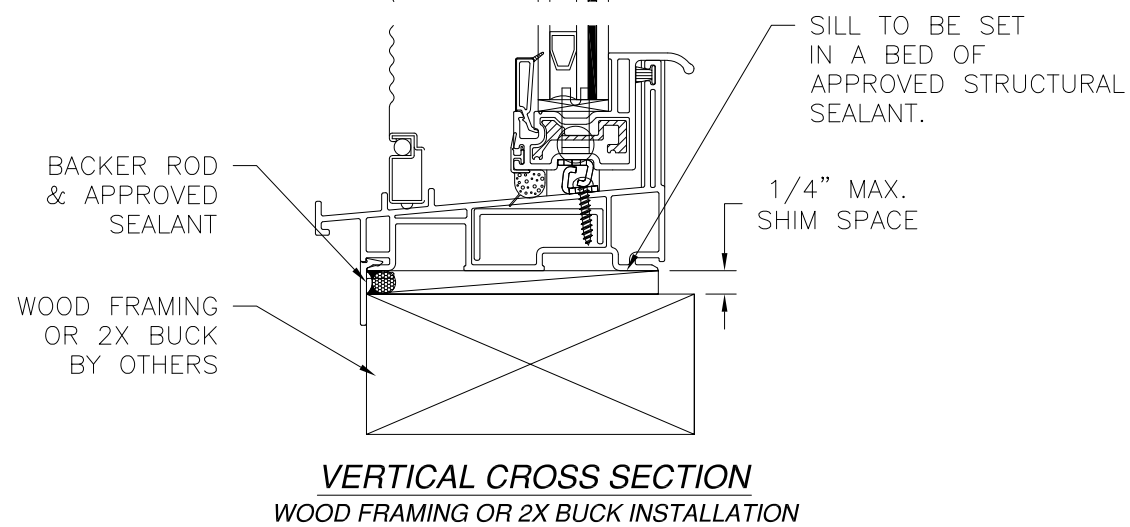
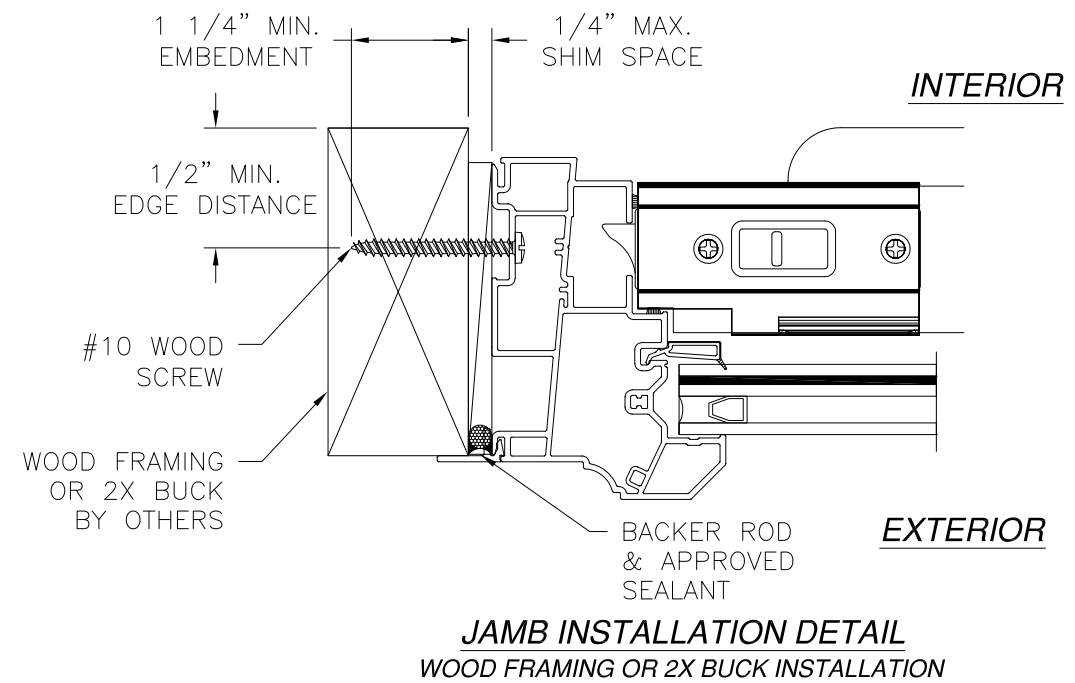
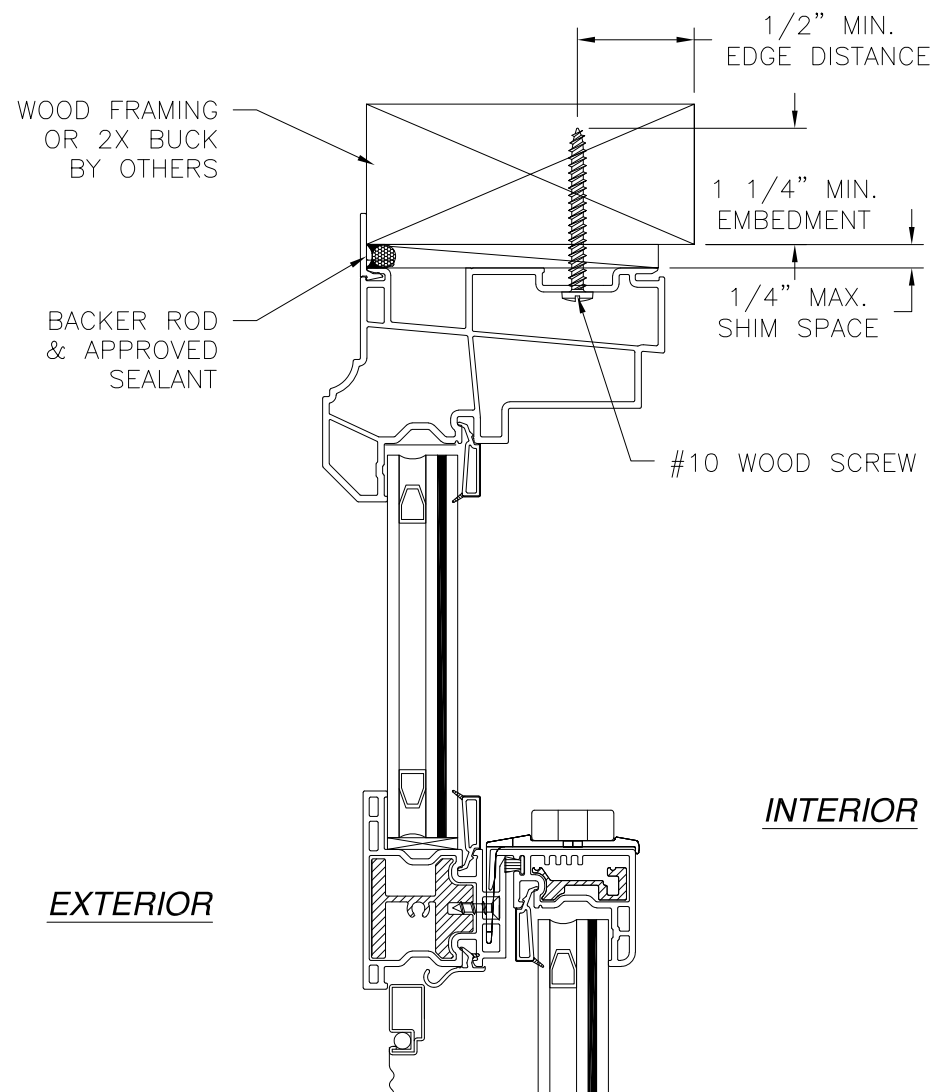
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SCALE NTS	DATE 05/24/16	SHEET 2 OF 6

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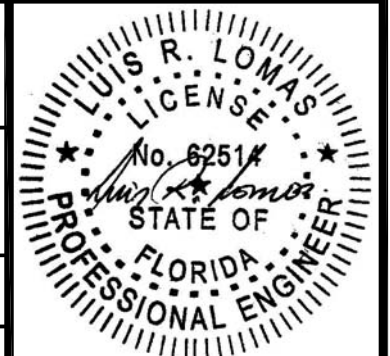
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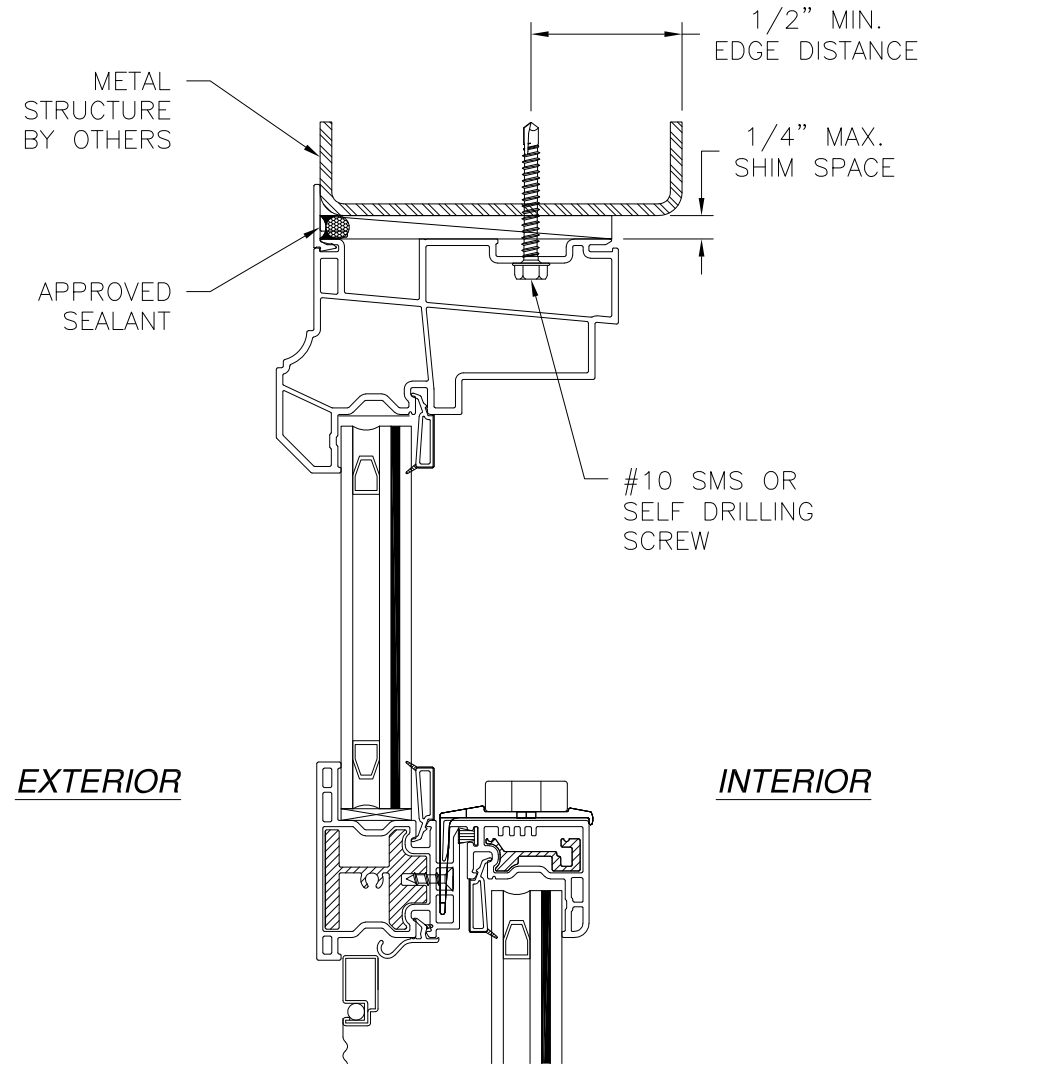
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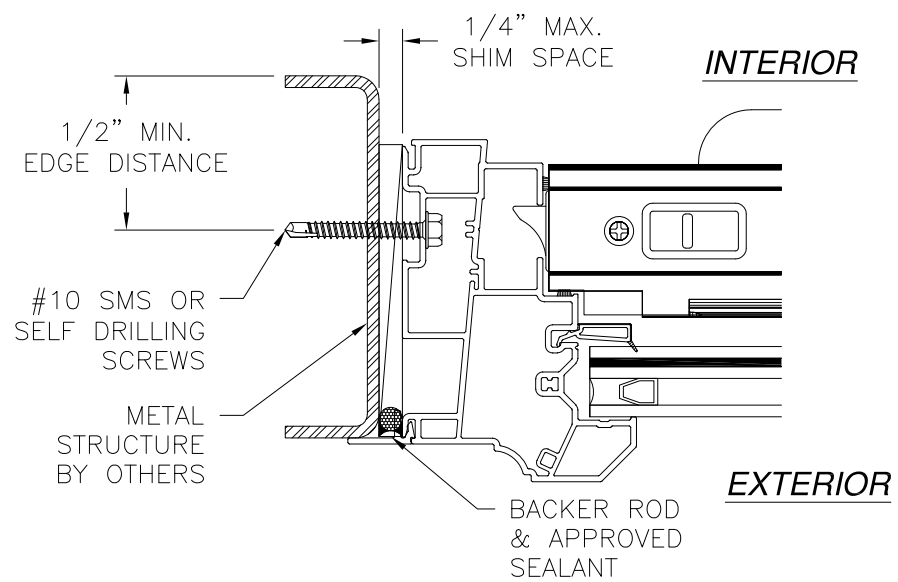


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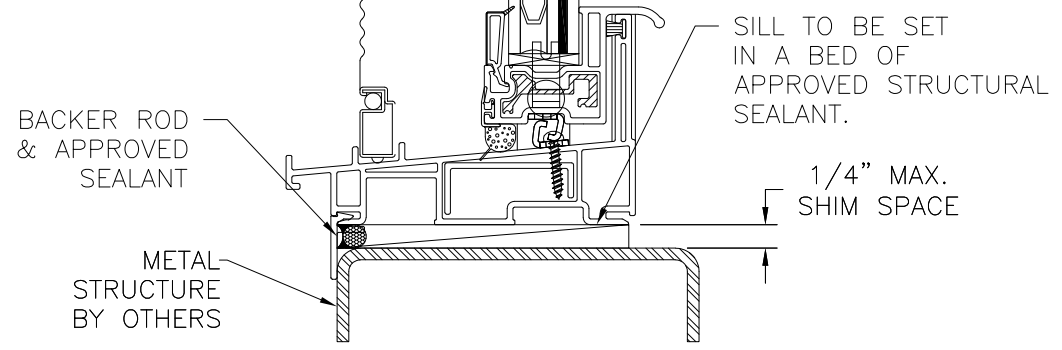
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VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION



JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION



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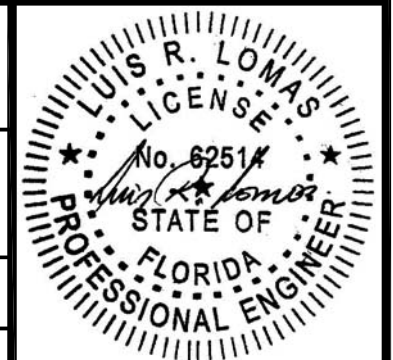


EASTERN ARCHITECTURAL SYSTEMS
A DIVISION OF
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16341 DOMESTIC AVE
FORT MYERS, FL 33912
800-432-2204

SERIES 2461 VINYL LEG FRAME IMPACT
SINGLE HUNG WINDOW - 53 1/2" X 72"
INSTALLATION DETAILS

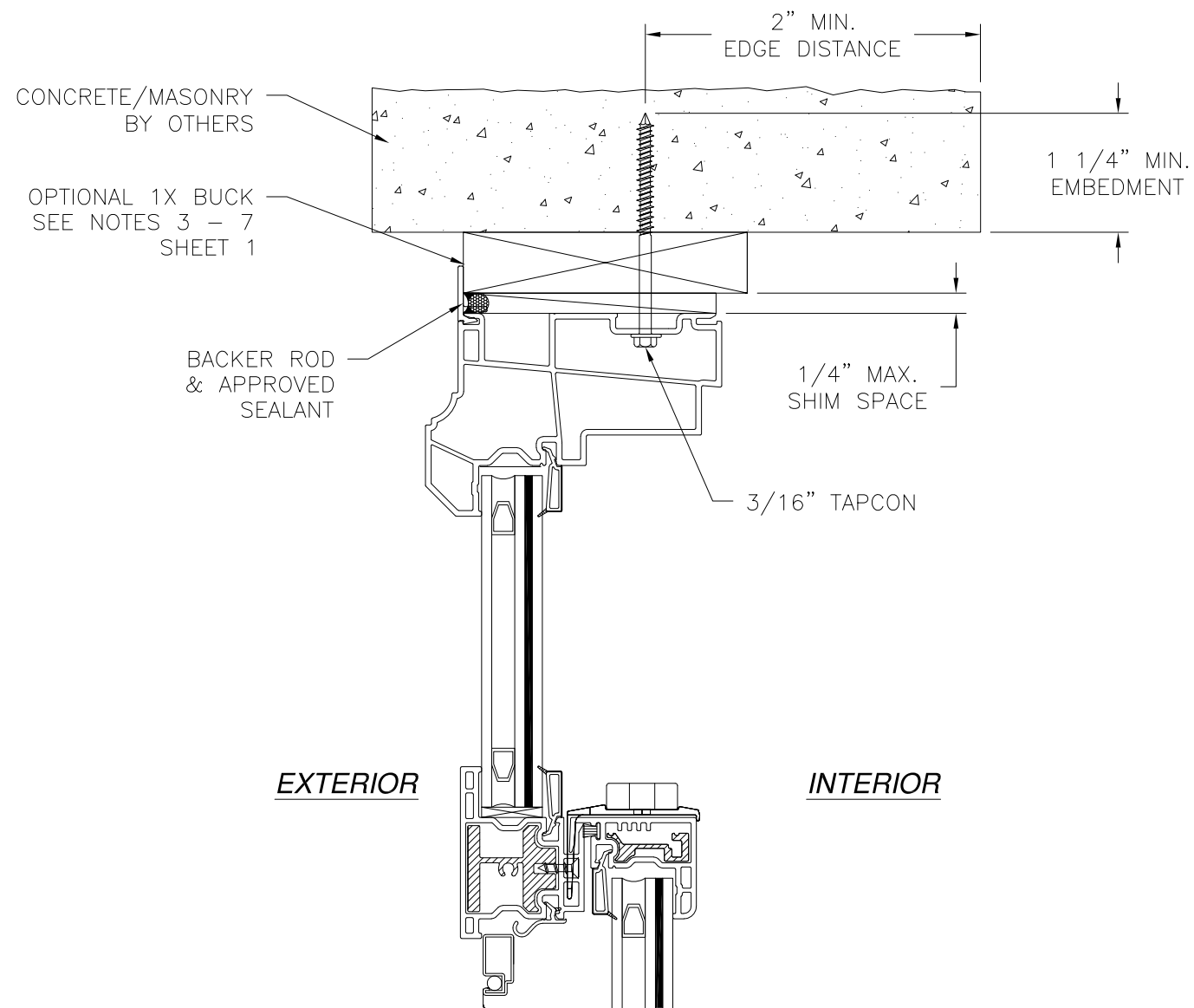
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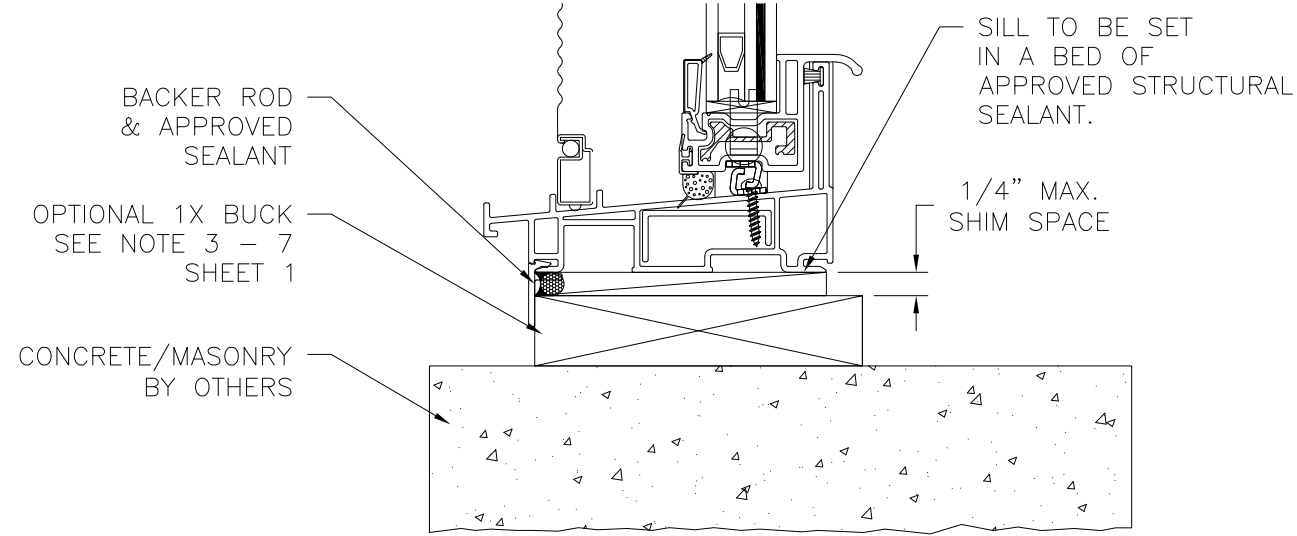


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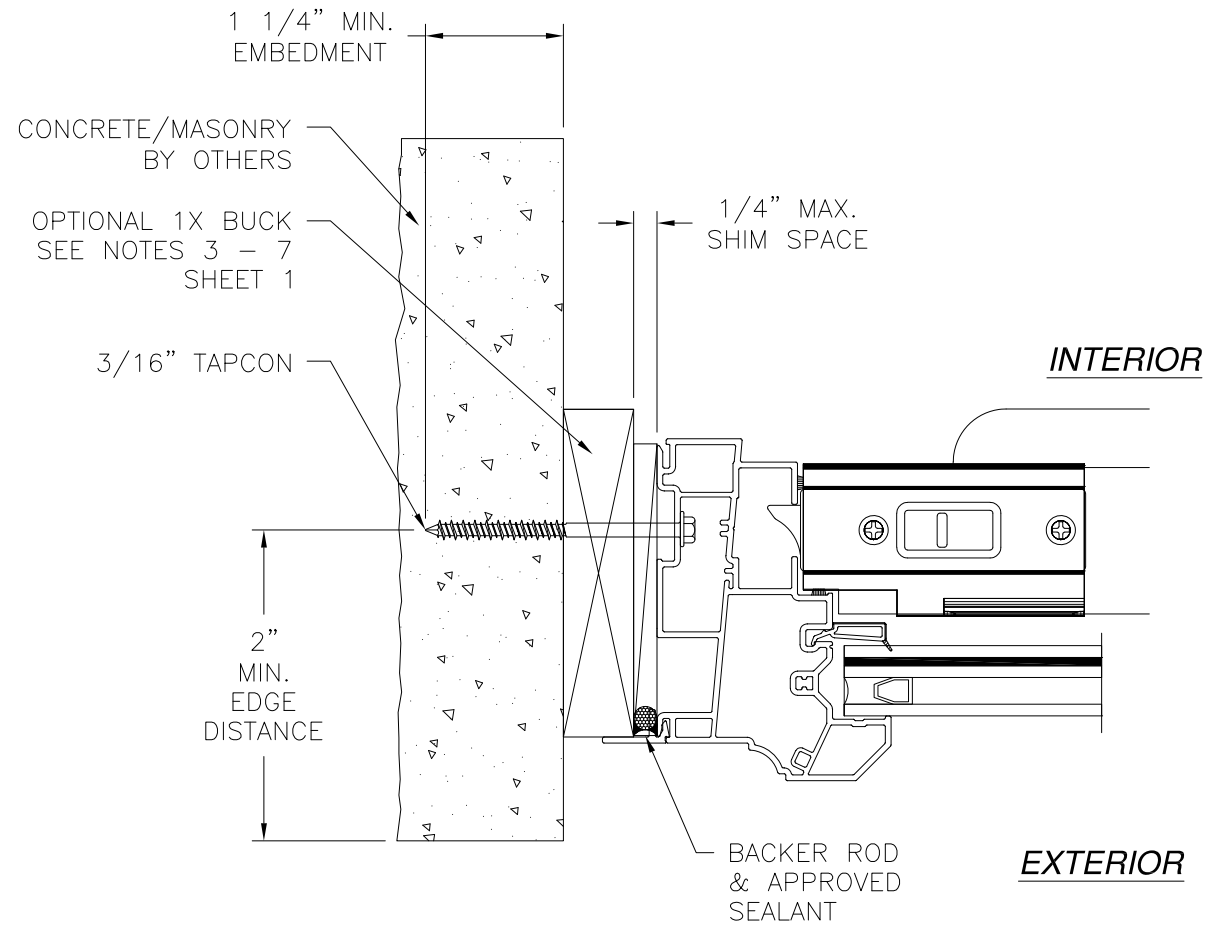
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EXTERIOR INTERIOR



VERTICAL CROSS SECTION
CONCRETE/MASONRY INSTALLATION

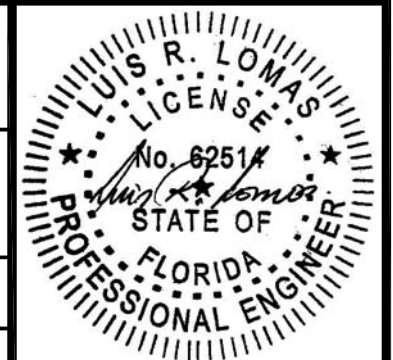


JAMB INSTALLATION DETAIL
CONCRETE/MASONRY INSTALLATION

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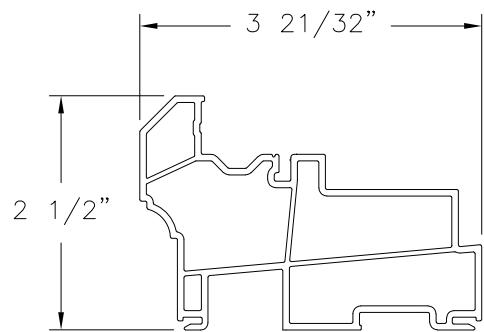
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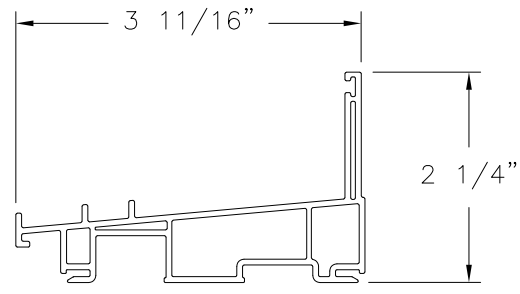


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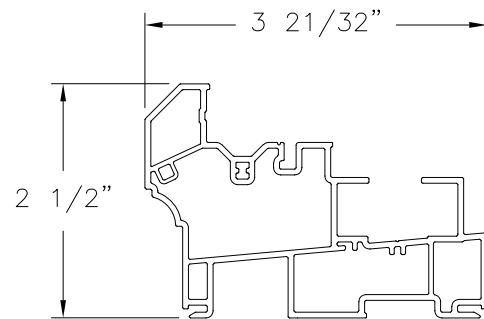
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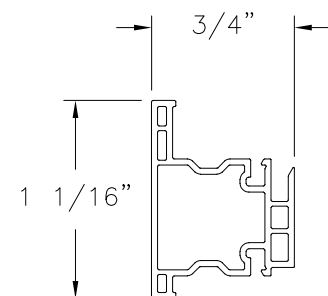
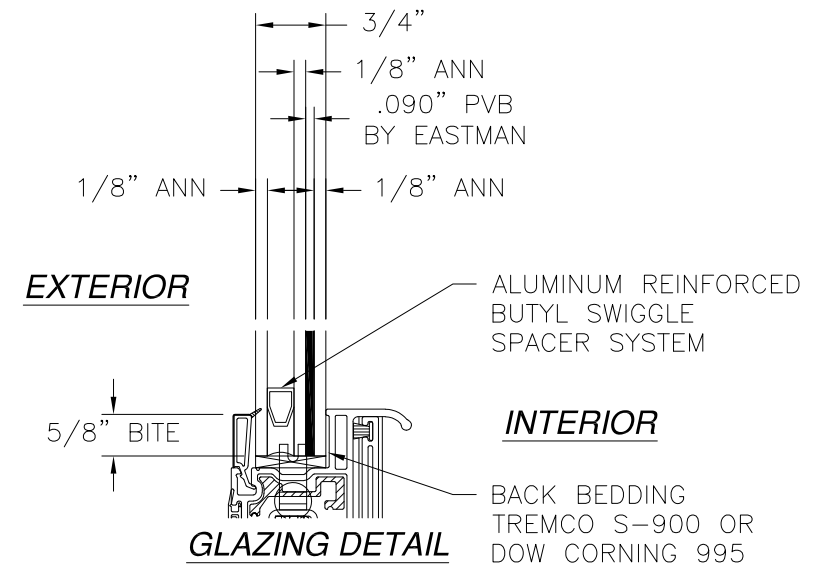
HEAD FRAME (10008700)
VINYL PVC



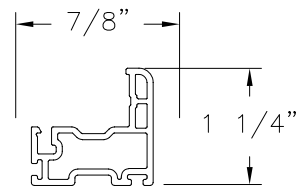
SILL FRAME (10008692)
VINYL PVC



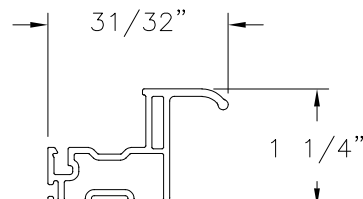
JAMB FRAME (10008668)
VINYL PVC



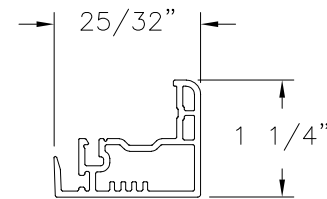
MEETING RAIL (10008511)
VINYL PVC



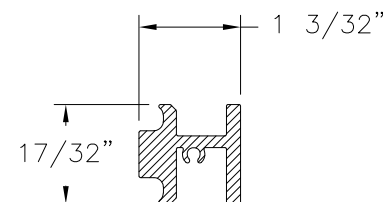
STILE (10008842)
VINYL PVC



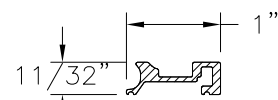
LIFT RAIL (10008882)
VINYL PVC



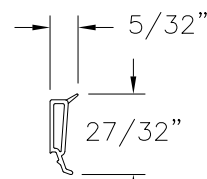
LOCK RAIL (10008845)
VINYL PVC



REINFORCEMENT (10300084)
ALUMINUM 6063-T5



REINFORCEMENT (10300082)
ALUMINUM 6063-T5



GLAZING BEAD (10005470)
VINYL PVC

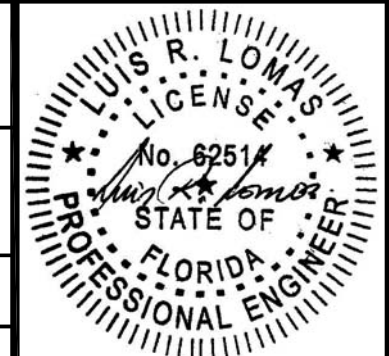
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