

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED ANCHOR SPACING	05/20/2021	R.L.
B	CURRENT FBC & Ops-0061	02/20/26	LMH

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 #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 FRAME 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 FRAME 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 3,192 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. UNITS MAY BE INSTALLED WITH OR WITHOUT FLANGE, OUTSIDE THE HVHZ.
20. WHEN UNITS ARE INSTALLED 30FT OR HIGHER ABOVE GROUND, UNITS MUST BE INSTALLED USING GLASS C OR D.

FL 16412

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EASTERN ARCHITECTURAL SYSTEMS
A DIVISION OF
CORNERSTONE BUILDING BRANDS

10030 BAVARIA ROAD
FORT MYERS, FLORIDA 33913
800-432-2204

SERIES 176 SH ORIEL PVB AND SG SINGLE HUNG WINDOW 53" X 75"

NOTES

DRAWN:
A.R.

DWG NO.
08-03660

REV
B

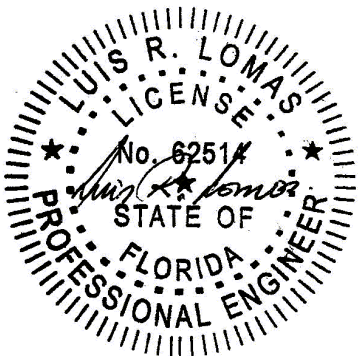
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DATE 01/12/21

SHEET 1 OF 9

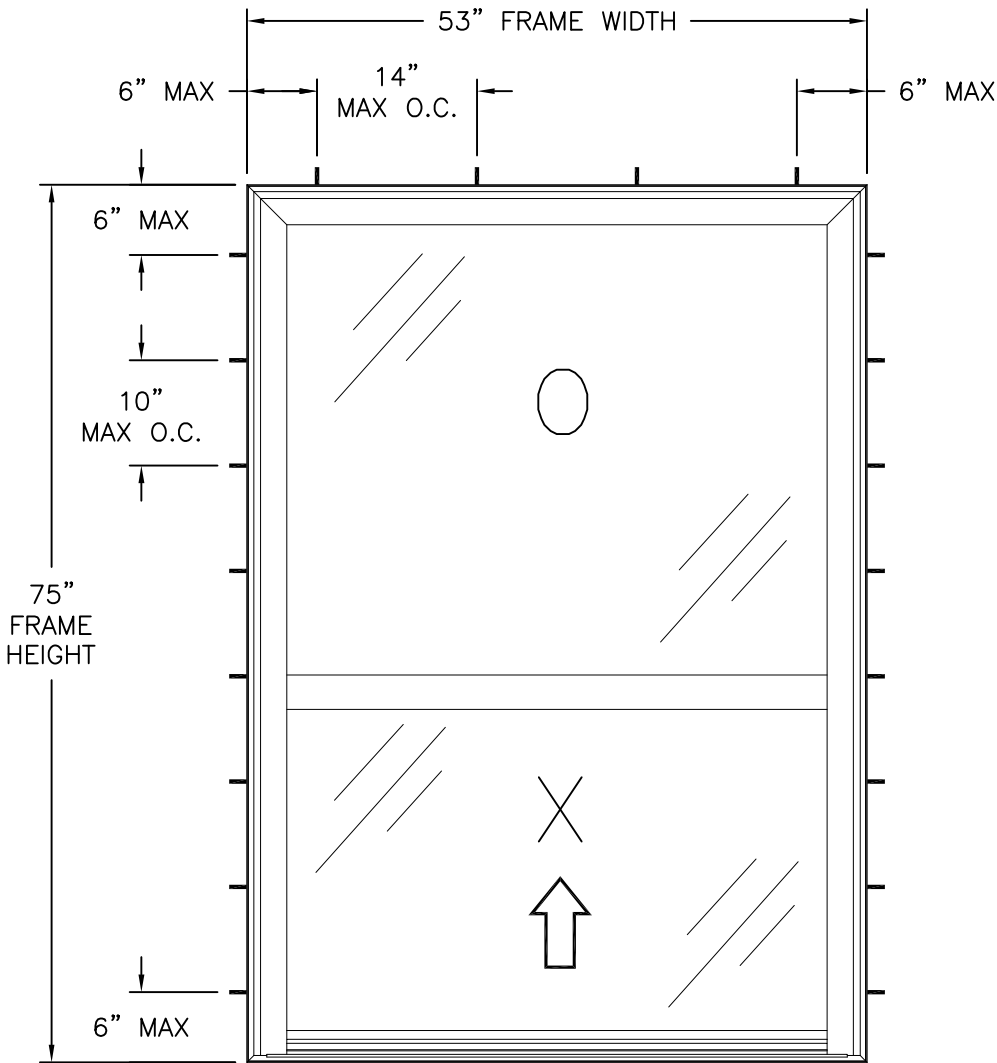
L. ROBERTO LOMAS P.E.
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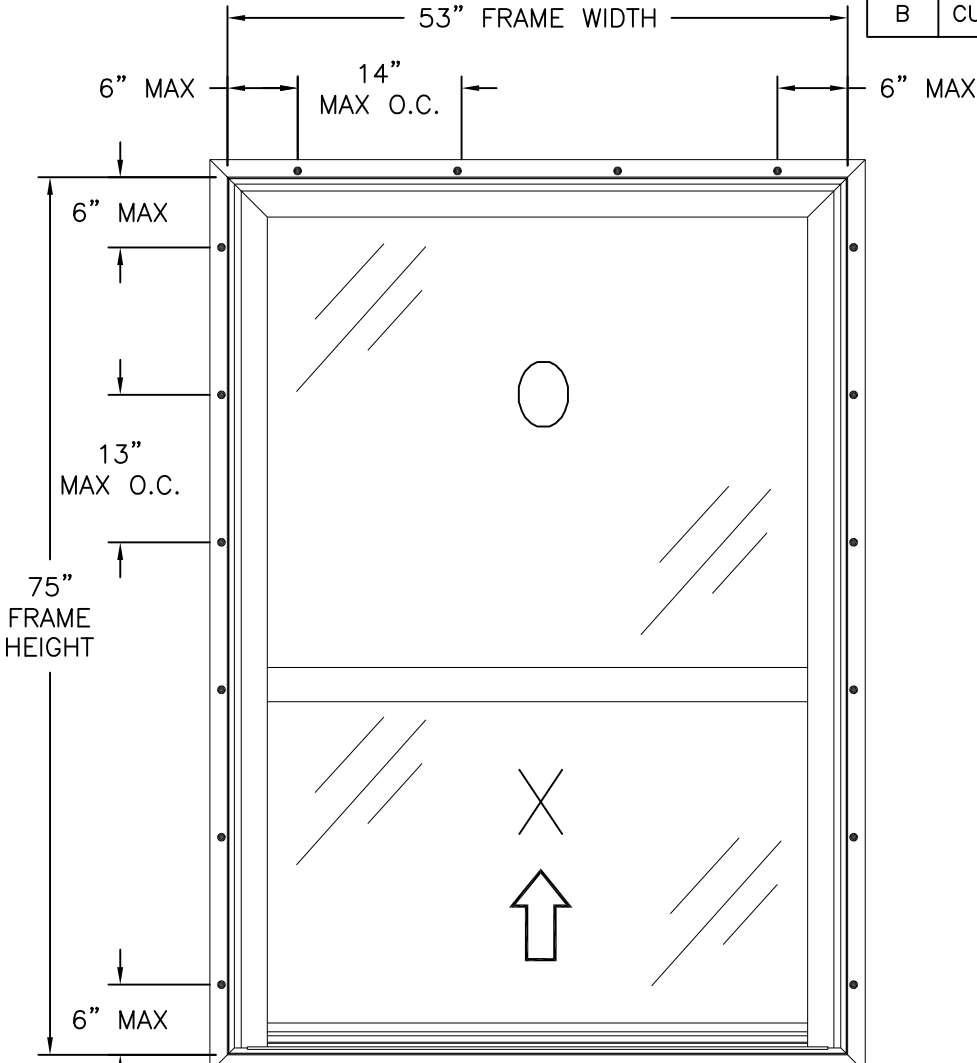


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SERIES 176 SH ORIEL PVB AND SG SINGLE HUNG WINDOW
EXTERIOR VIEW
FINLESS INSTALLATION



SERIES 176 SH ORIEL PVB AND SG SINGLE HUNG WINDOW
EXTERIOR VIEW
FIN INSTALLATION

DESIGN PRESSURE RATING	IMPACT RATING
±60.0PSF	LARGE MISSILE IMPACT

MISSILE LEVEL D, WIND ZONE 4 AND HVHZ
53" X 75" UNIT SHOWN. OTHER SIZES APPROVED AS LONG AS
FRAME AREA DOES NOT EXCEED 27.6 FT²

- NOTES:
1. SASH SIZE: 49-1/2" X 30-3/8"
 2. FIXED D.L.O.: 48-3/16" X 40-5/16"
 3. SASH D.L.O.: 46-1/2" X 27-1/16"
 4. (2) WEEPS WITH COVER (97-03) AT SILL FACE 2" FROM EACH CORNER.
 5. (2) 1-1/2" X 1/4" WEEP SLOT AT SILL FACE 2" FROM EACH CORNER.
 6. (2) 1/2" X 1/8" WEEP SLOT AT SILL BEHIND GLAZING LEG.

HARDWARE SCHEDULE	
A.	(4) ASHLAND DUAL KEEPERS (13999) AT KEEPER RAIL 8" FROM EACH JAMB
B.	(4) ASHLAND DUAL LOCKS (D2100AL/R) AT KEEPER RAIL 8" FROM EACH JAMB
C.	(2) CALDWELL COIL BALANCE SYSTEM (880) ONE AT EACH JAMB
D.	(2) CALDWELL TILT LATCH (20F00041) 1 1/2" FROM EACH SASH TOP RAIL CORNER
E.	(2) CALDWELL PIVOT BAR (16Y513) ONE AT EACH END OF OPERABLE SASH BOTTOM RAIL



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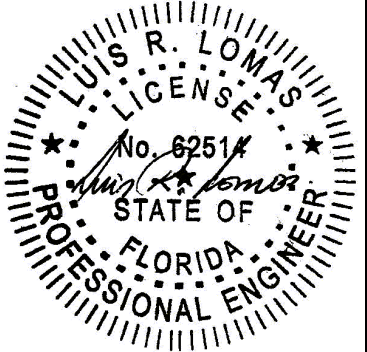
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SERIES 176 SH ORIEL PVB AND SG SINGLE HUNG WINDOW 53" X 75" ELEVATION

DRAWN: A.R.	DWG NO. 08-03660	REV B
SCALE NTS	DATE 01/12/21	SHEET 2 OF 9

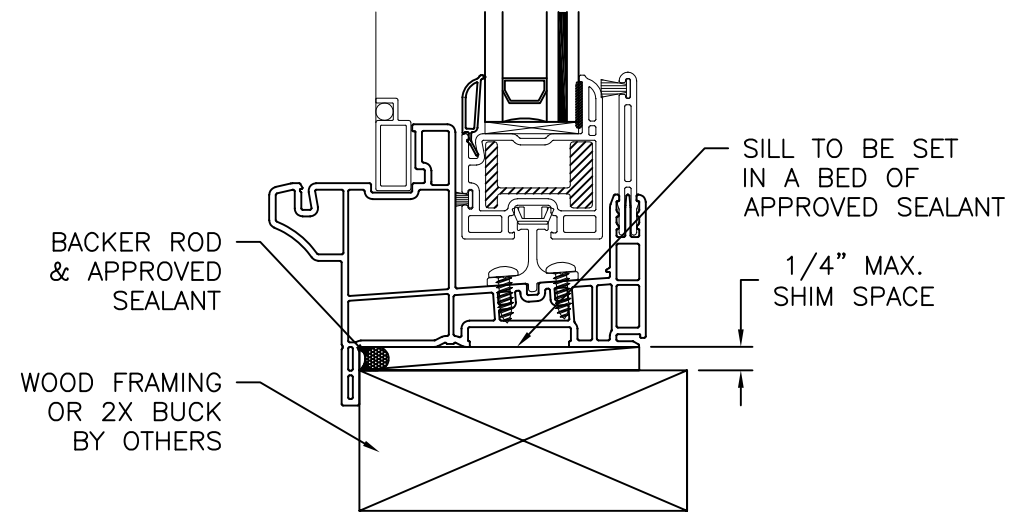
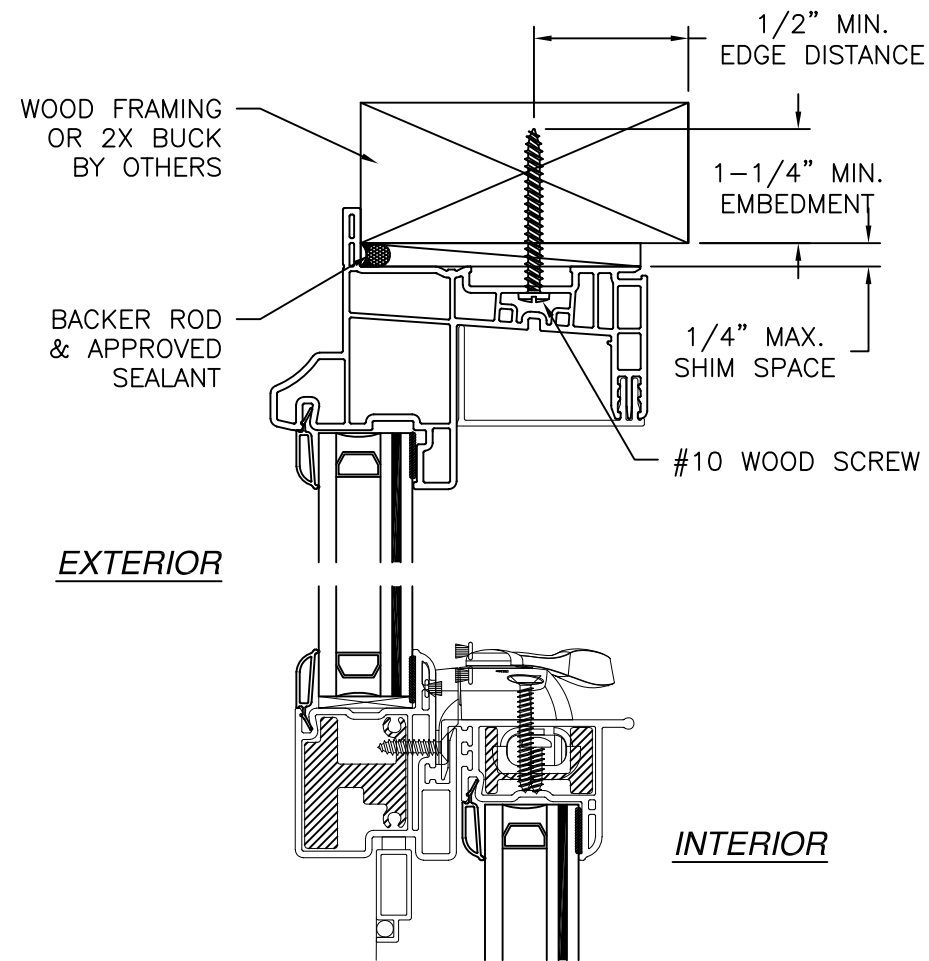
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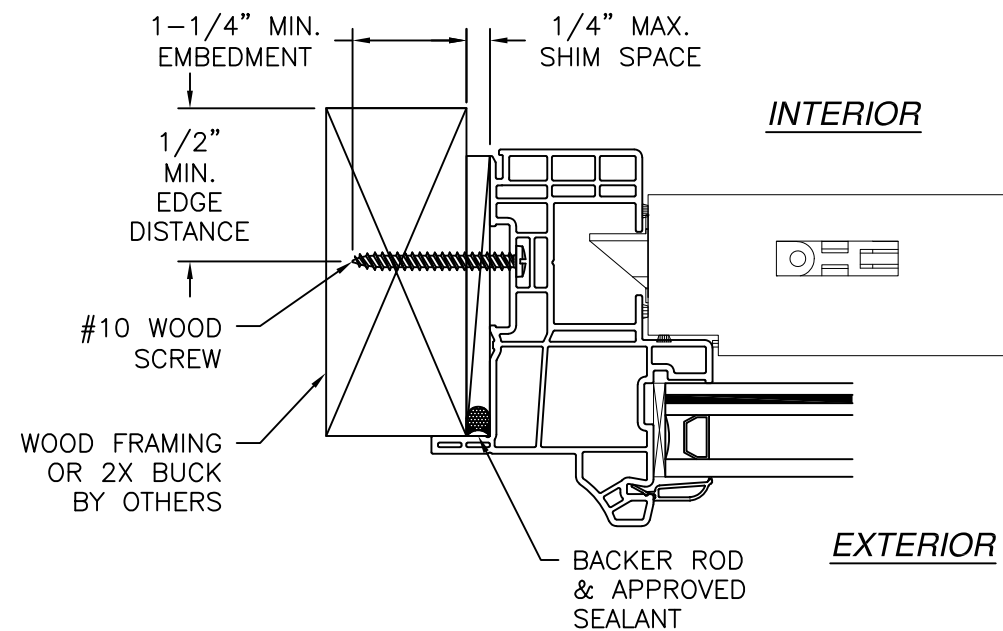


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VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION



JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

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

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Eastern

ARCHITECTURAL SYSTEMS

ALUMINUM AND VINYL

IMPACT WINDOWS AND DOORS

EASTERN ARCHITECTURAL SYSTEMS

A DIVISION OF

CORNERSTONE BUILDING BRANDS

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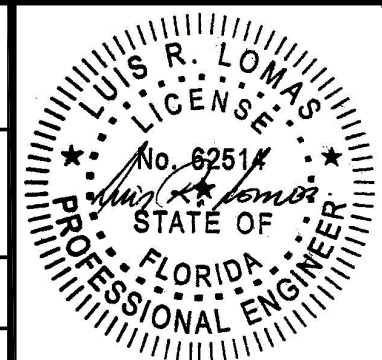
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DRAWN:	DWG NO.	REV
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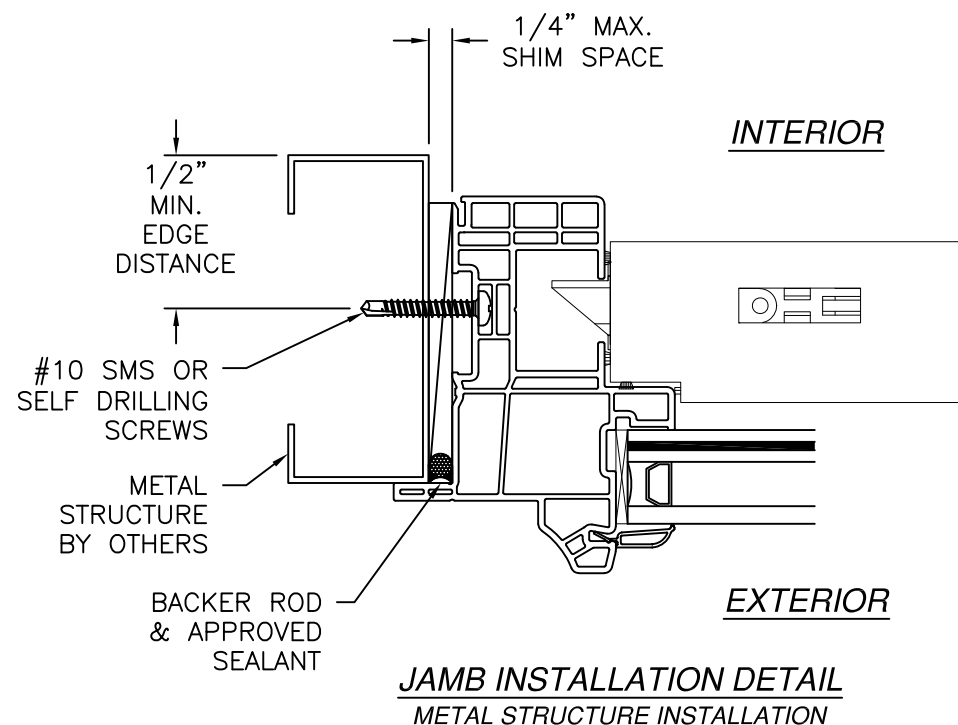
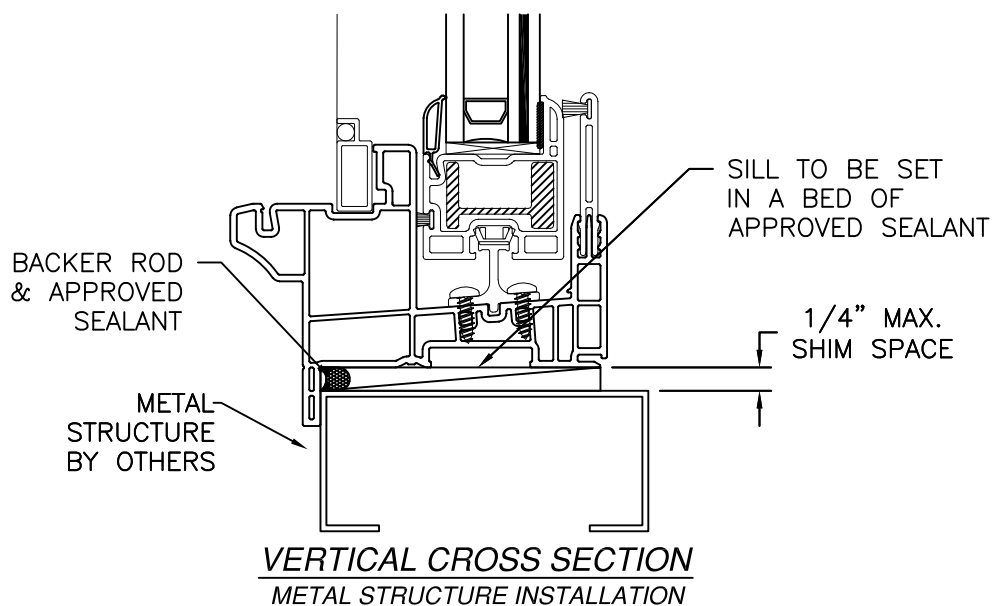
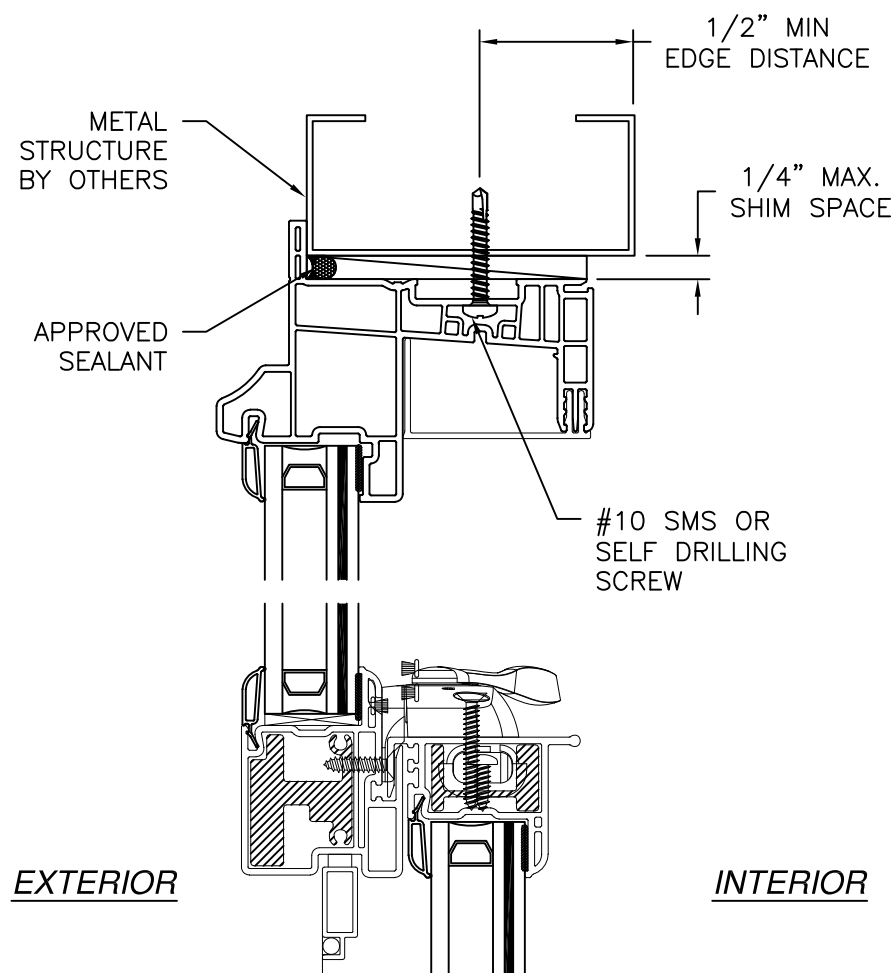
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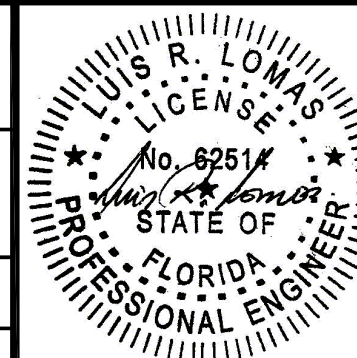
10030 BAVARIA ROAD
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WINDOW 53" X 75"
INSTALLATION DETAILS

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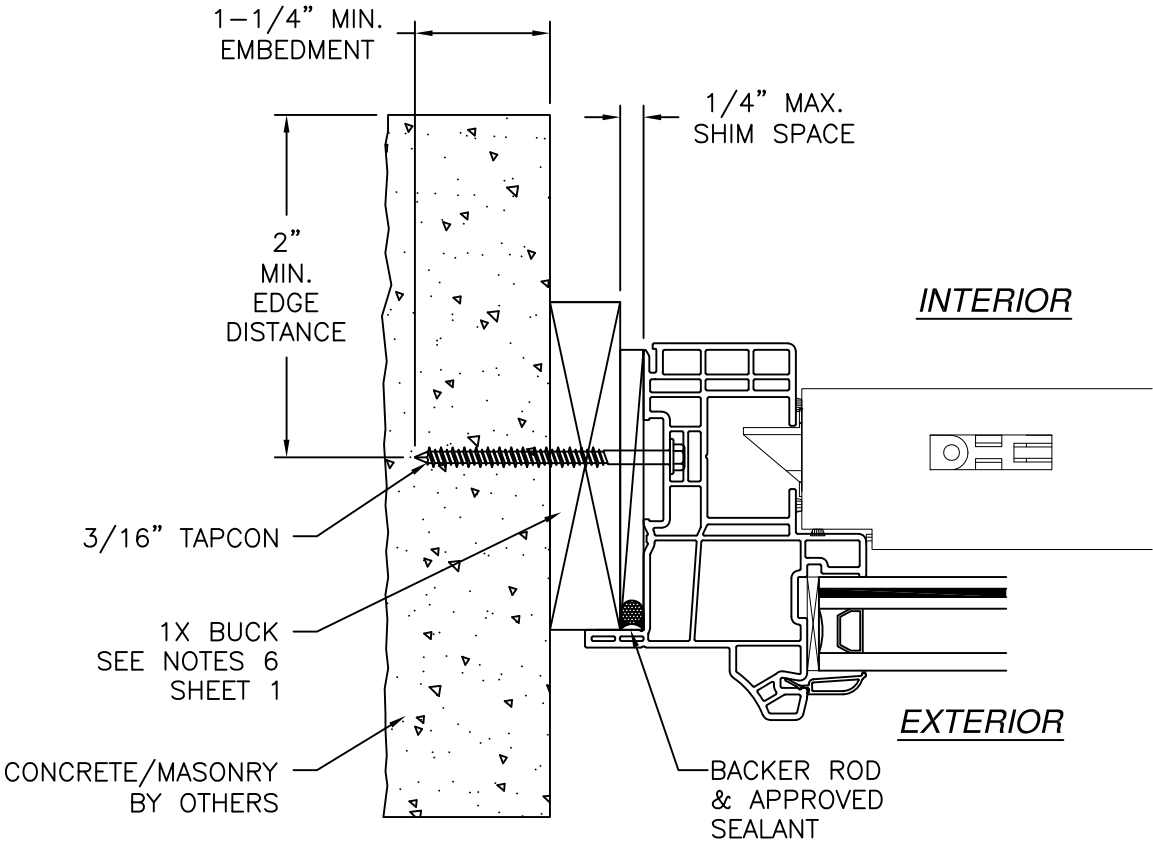
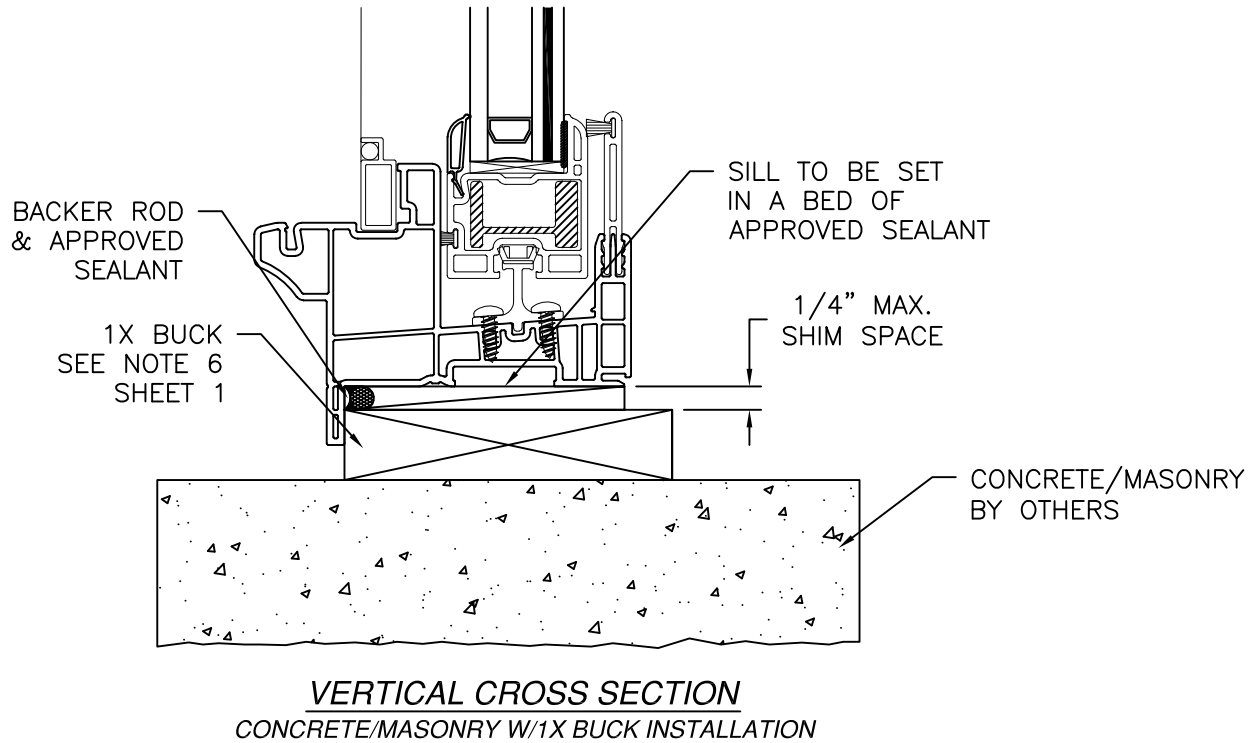
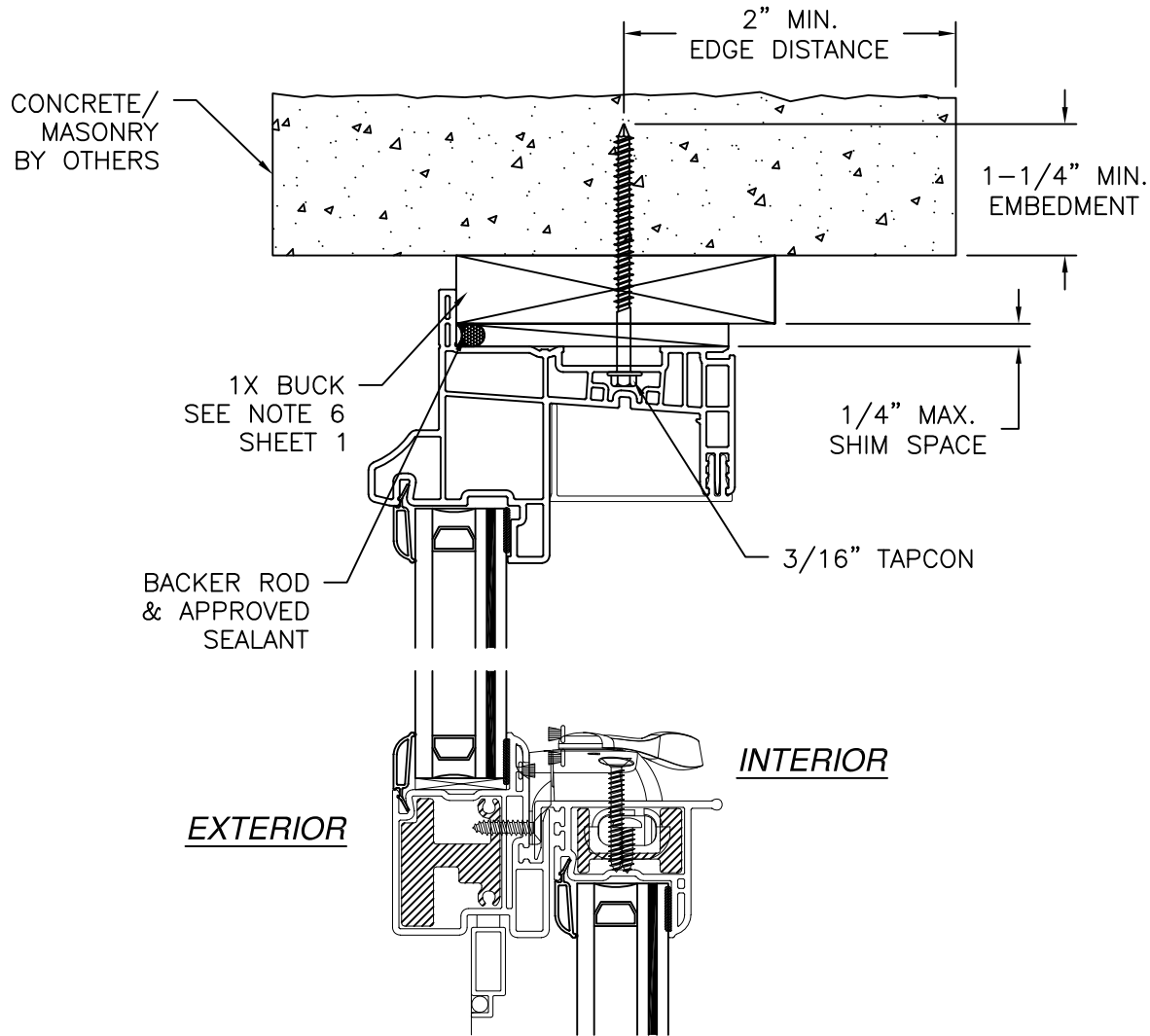
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JAMB INSTALLATION DETAIL
CONCRETE/MASONRY W/1X BUCK INSTALLATION

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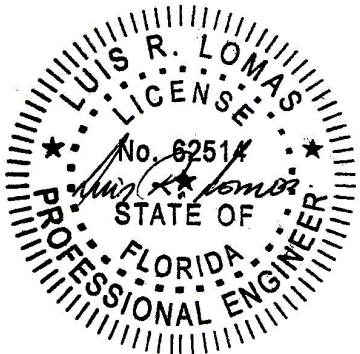
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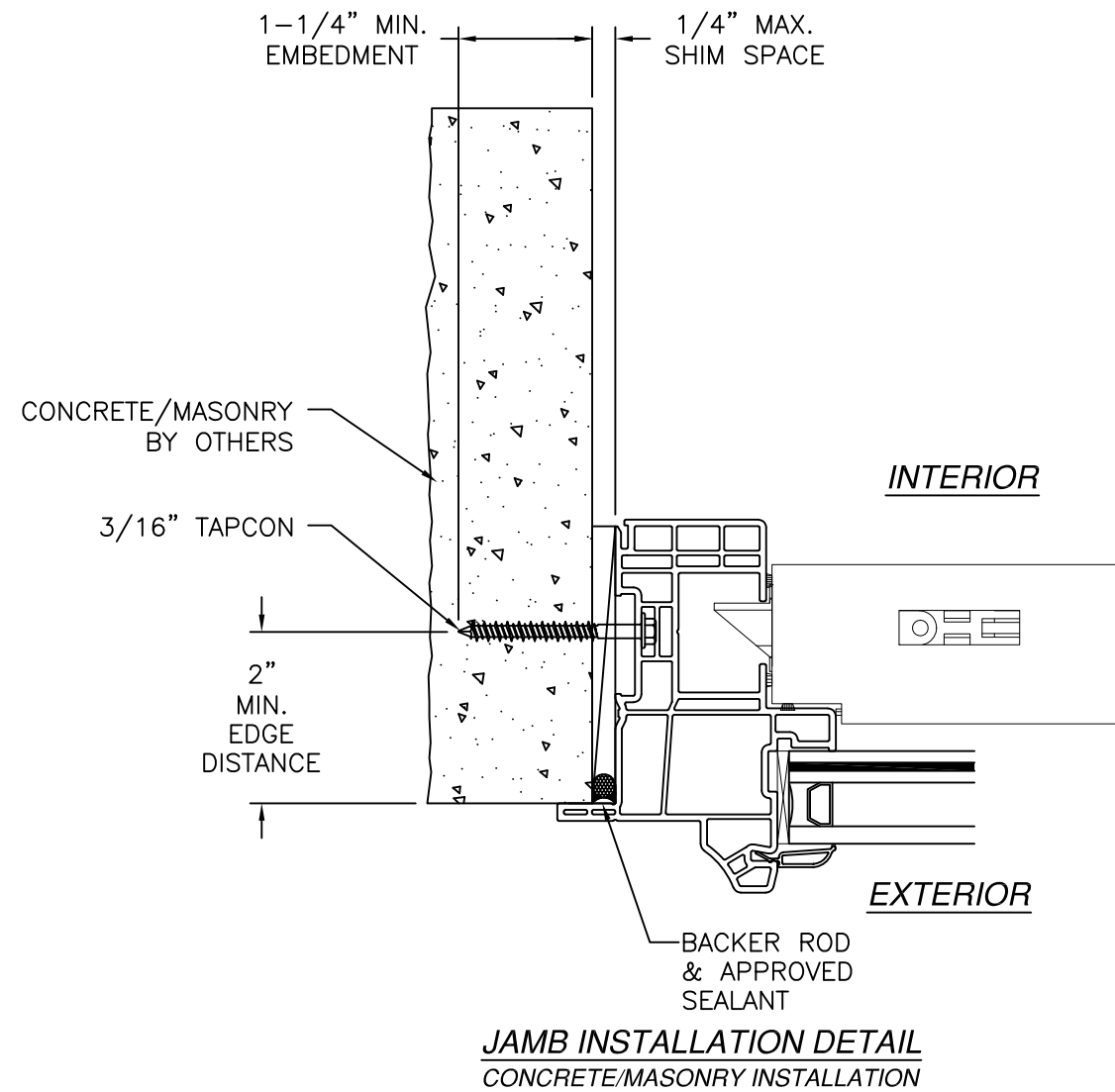
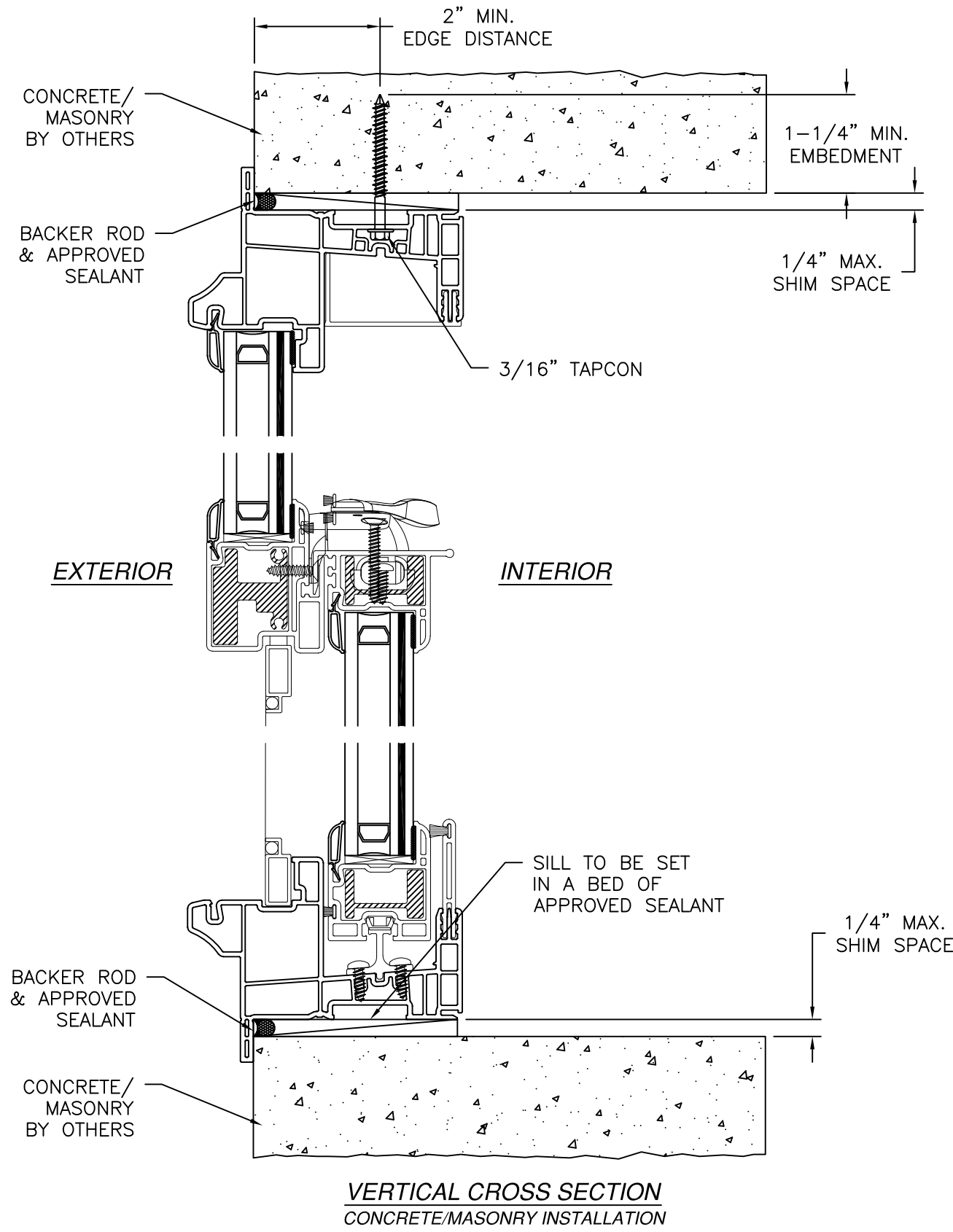
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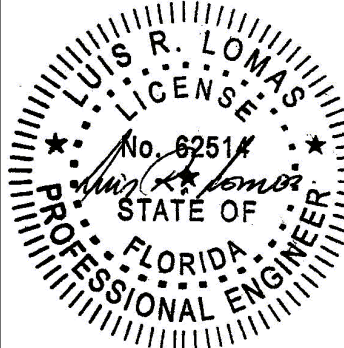
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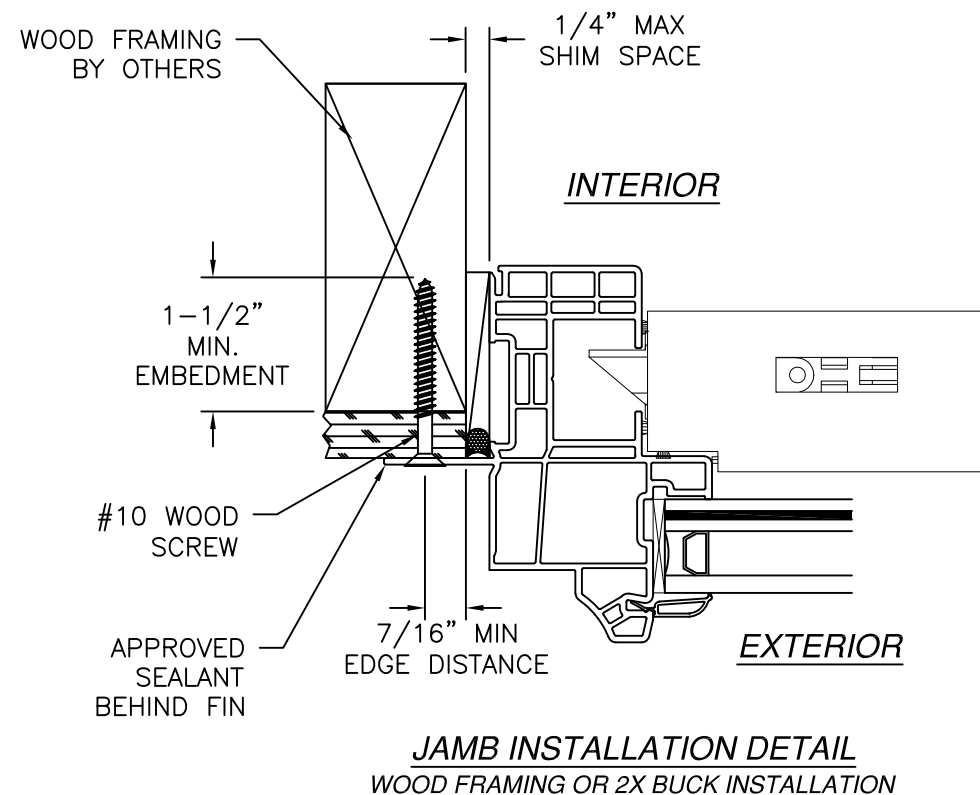
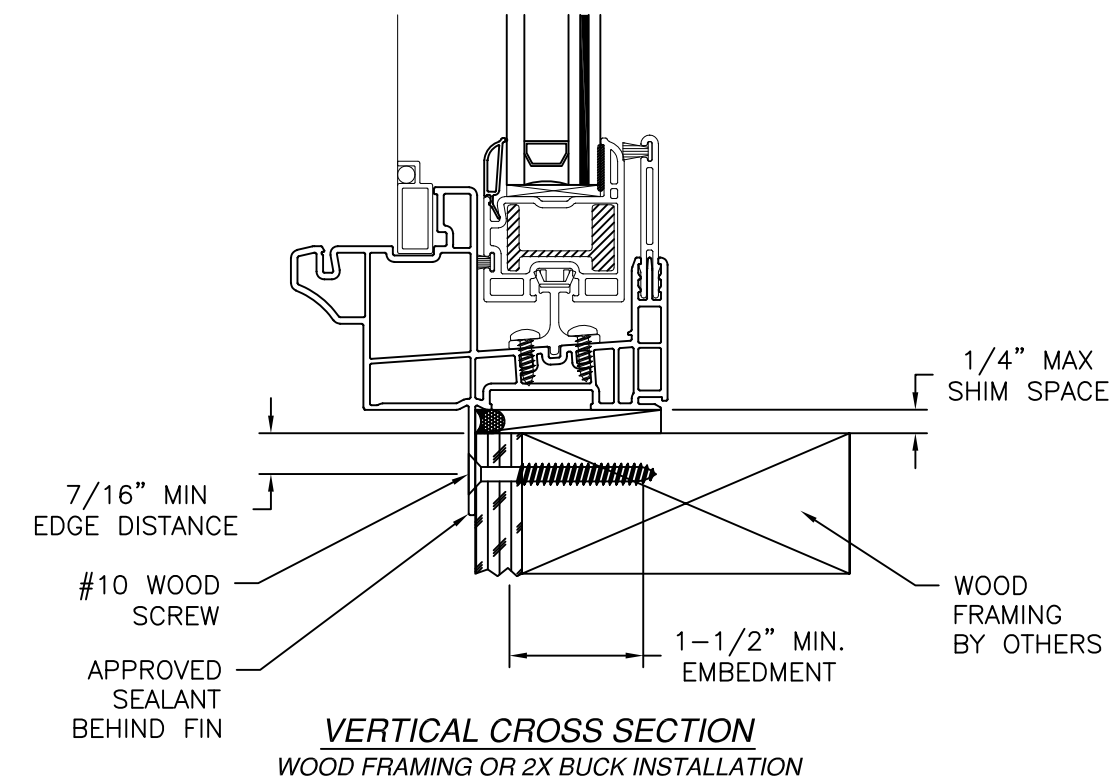
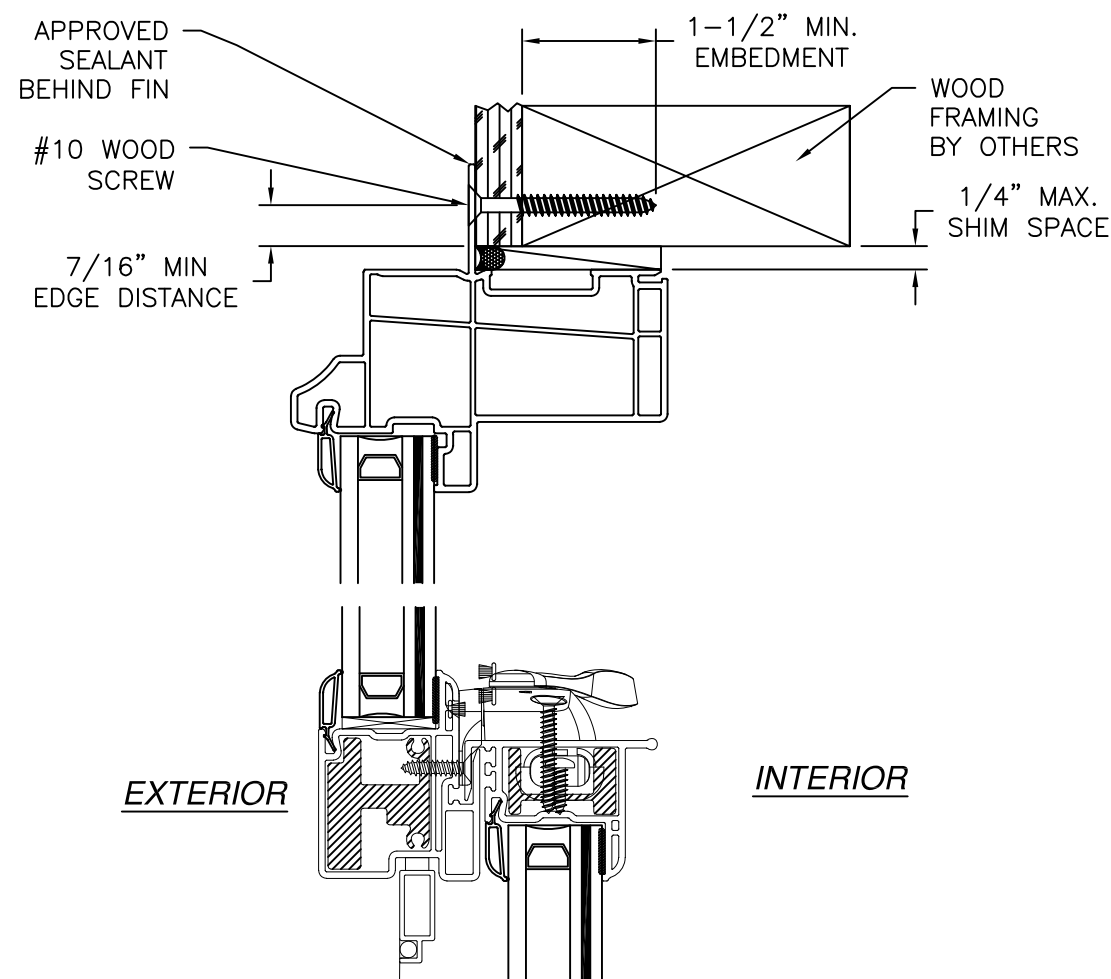
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Eastern
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ALUMINUM AND VINYL
IMPACT WINDOWS AND DOORS

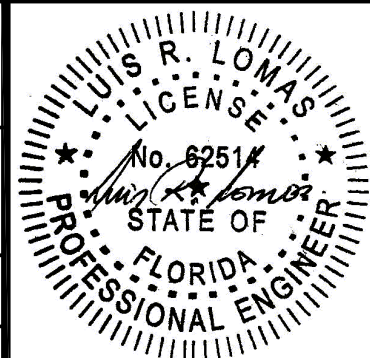
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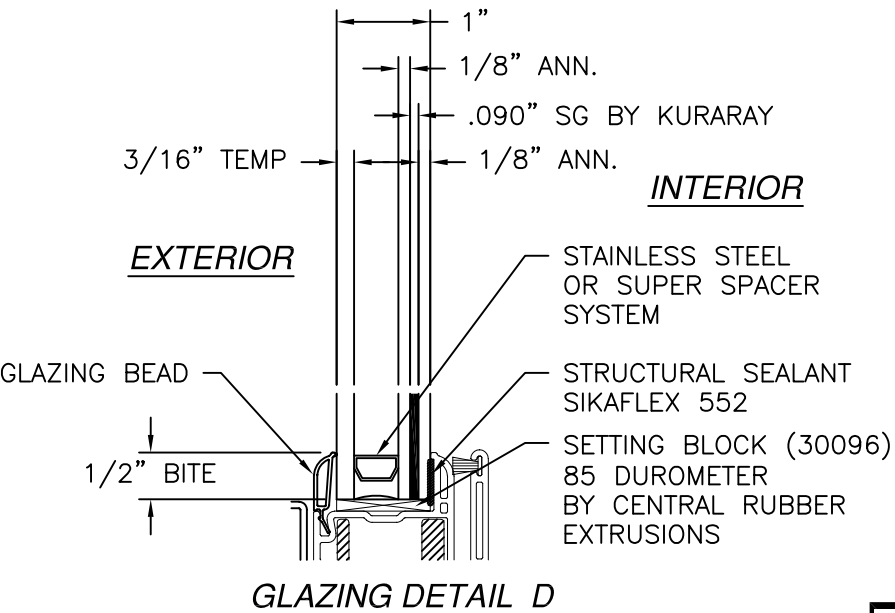
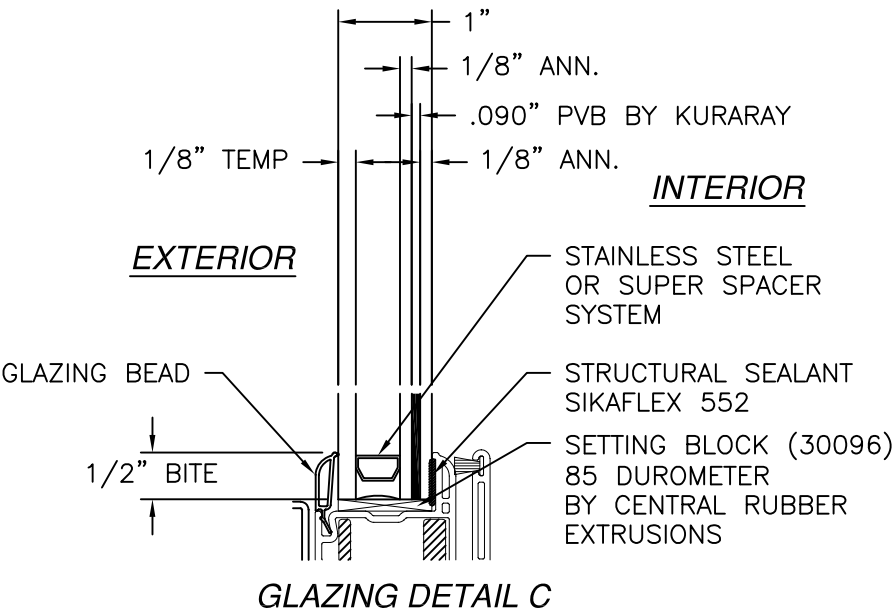
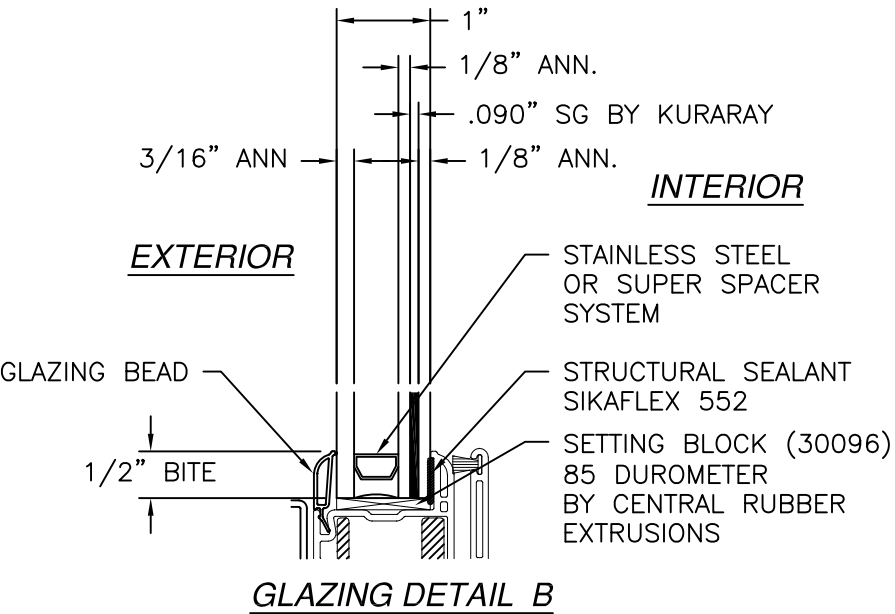
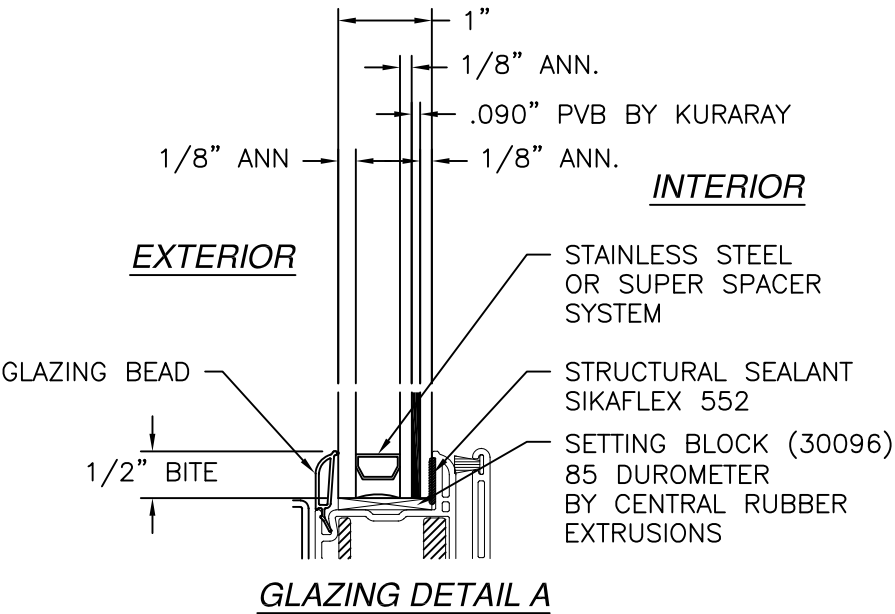
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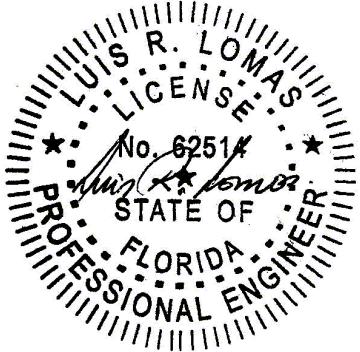
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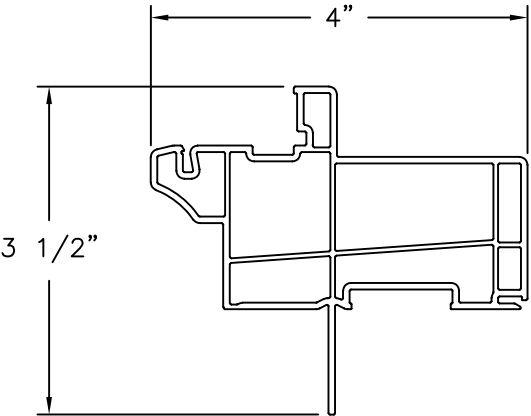
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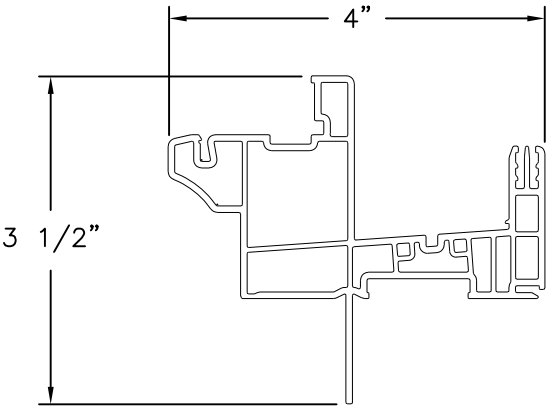


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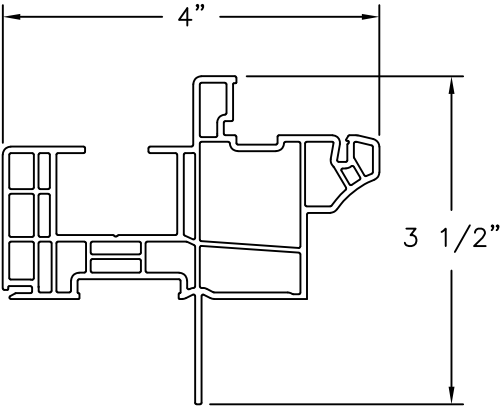
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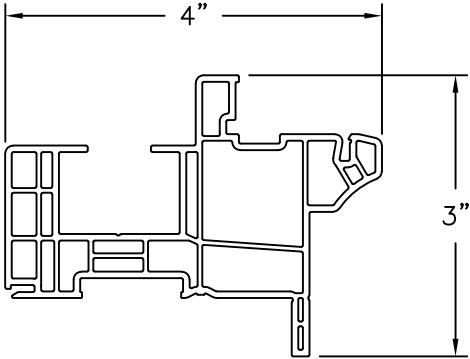
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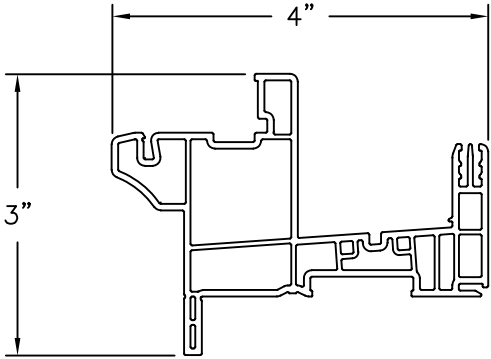
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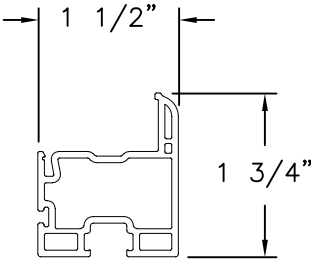
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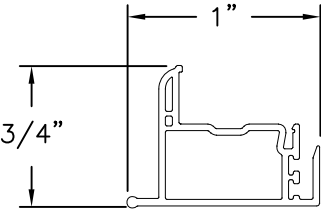
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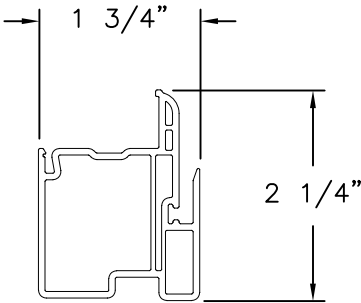
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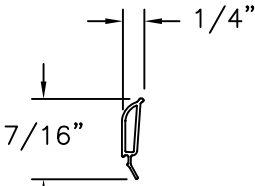
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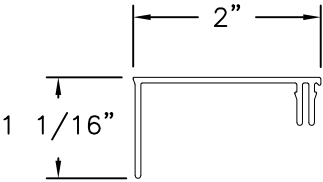
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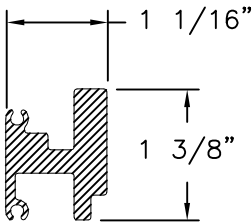
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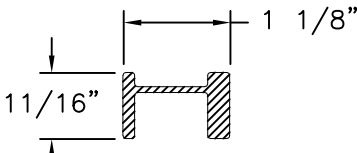
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EXTRUDED RIGID PVC



FLANGE
FRAME COVER (4722)
EXTRUDED RIGID PVC



REINFORCEMENT (55556)
6005-T5 ALUMINUM



REINFORCEMENT (55557)
6005-T5 ALUMINUM



Eastern
 ARCHITECTURAL SYSTEMS
 ALUMINUM AND VINYL
 IMPACT WINDOWS AND DOORS

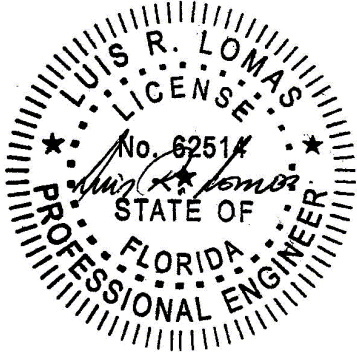
EASTERN ARCHITECTURAL SYSTEMS
 A DIVISION OF
 CORNERSTONE BUILDING BRANDS
 10030 BAVARIA ROAD
 FORT MYERS, FLORIDA 33913
 800-432-2204

SERIES 176 SH ORIEL PVB AND SG SINGLE HUNG
 WINDOW 53" X 75"
 COMPONENTS

DRAWN: A.R.	DWG NO. 08-03660	REV B
SCALE NTS	DATE 01/12/21	SHEET 9 OF 9

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SIGNED: 04/02/2026



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