


REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED ANCHOR SPACING	05/20/2021	R.L.

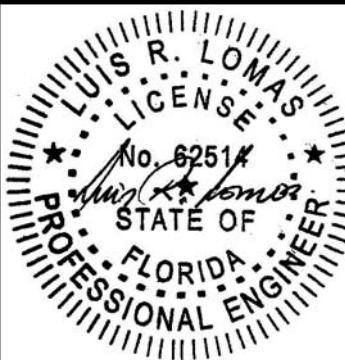
NOTES:

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 9 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 2" 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. UNITS MAY BE INSTALLED WITH OR WITHOUT FLANGE, OUTSIDE THE HVHZ.

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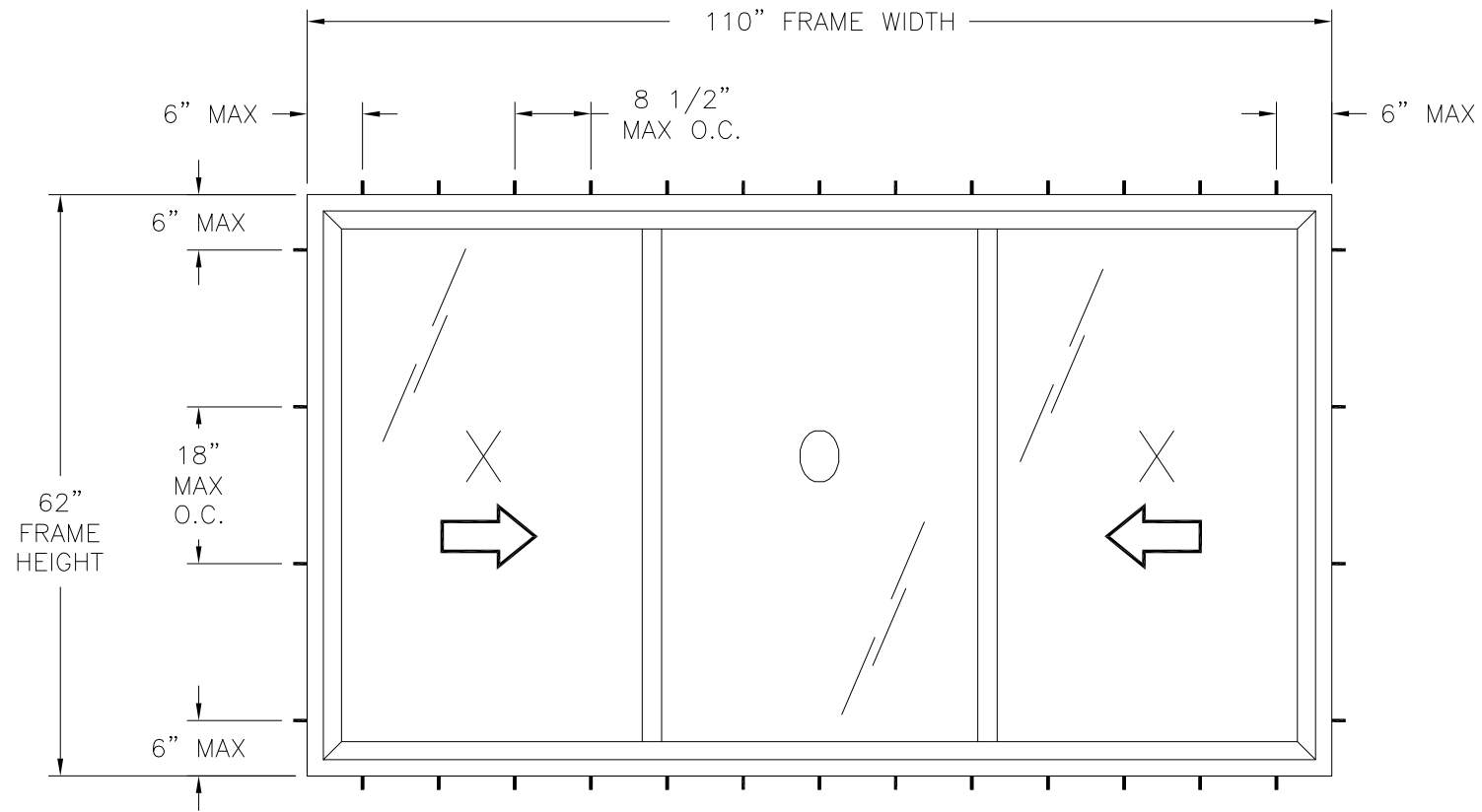
TABLE OF CONTENTS	
SHEET NO.	DESCRIPTION
1	NOTES
2	ELEVATIONS
3	HORIZONTAL CROSS SECTIONS
4 - 8	INSTALLATION DETAILS
9	COMPONENTS AND GLAZING DETAIL

 <p><b>Eastern</b> ARCHITECTURAL SYSTEMS ALUMINUM AND VINYL IMPACT WINDOWS AND DOORS</p>			<p>EASTERN ARCHITECTURAL SYSTEMS A DIVISION OF EASTERN METAL SUPPLY 16341 DOMESTIC AVE FORT MYERS, FL 33912 800-432-2204</p>		
<p>SERIES 176 HRP 333 PVB VINYL HORIZONTAL SLIDING WINDOW (XOX) 110" X 62" NOTES</p>					
DRAWN:		DWG NO.		REV	
A.R.		08-03658		A	
SCALE NTS		DATE 01/11/21		SHEET 1 OF 9	
<p>L. ROBERTO LOMAS P.E. 400 S. PALM AVE, INDIALANTIC, FL 32903 434-688-0609 rllomas@rlomaspe.com</p>					

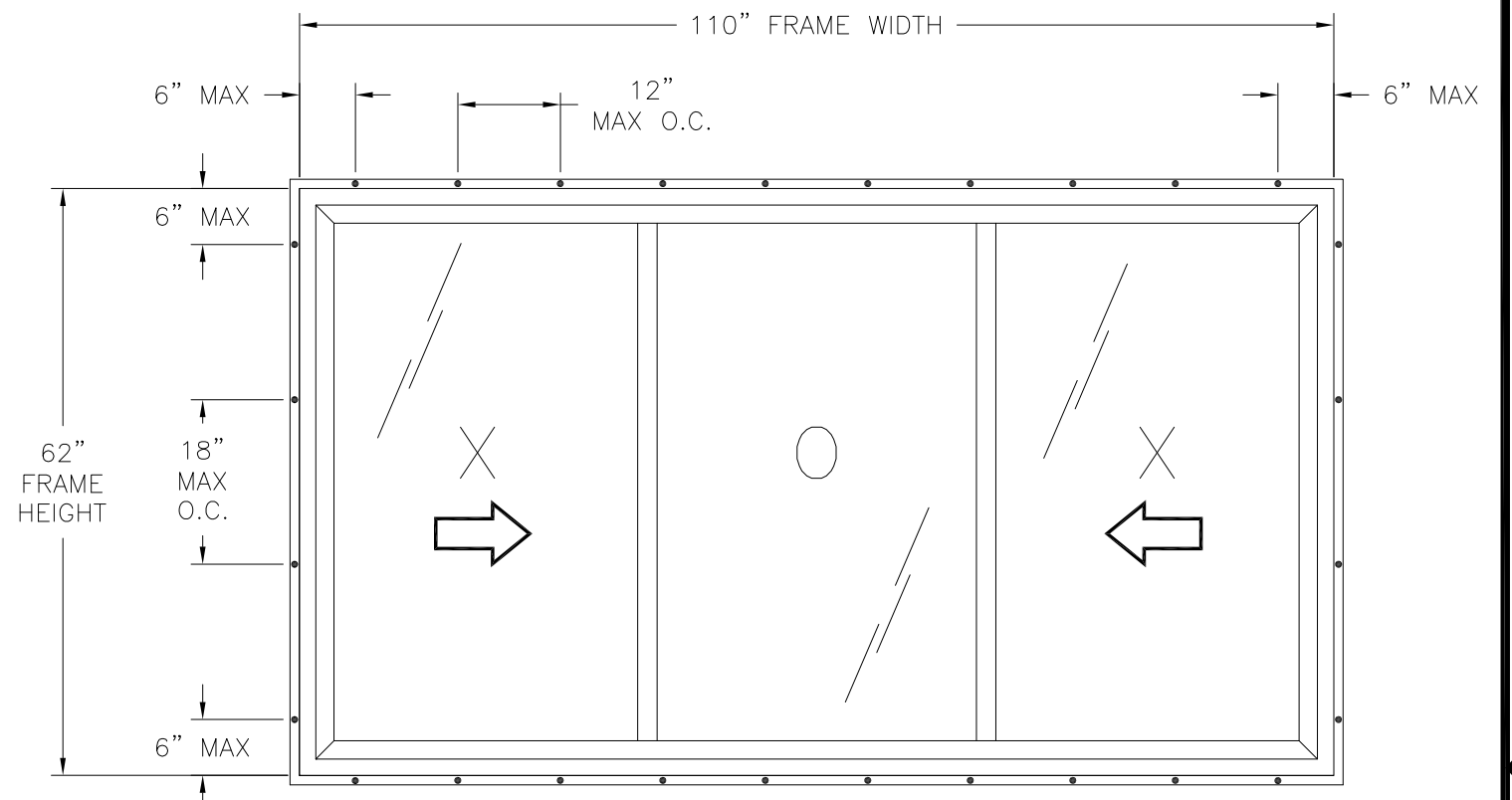


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**SERIES 176 HRP 333**  
EXTERIOR VIEW  
FRAME INSTALLATION



**SERIES 176 HRP 333**  
EXTERIOR VIEW  
FIN INSTALLATION

DESIGN PRESSURE RATING	IMPACT RATING
±60.0PSF	LARGE MISSILE IMPACT

MISSILE LEVEL D, WIND ZONE 4 AND HVHZ

NOTES:

- SASH SIZE: 36 7/16" X 59 3/8".
- FIXED D.L.O.: 33 3/8" X 57 3/16"
- SASH D.L.O.: 33 1/8" X 55 7/8"
- (2) WEEPS WITH COVER (97-03) AT SILL FACE 4 1/8" FROM EACH CORNER.
- (2) 1 1/2" X 1/4" WEEP SLOT AT SILL FACE 4 1/8" FROM EACH CORNER.
- (2) 1/8" X 12" WEEP SLOT AT SILL FACE AND SILL SASH 3 1/8" FROM EACH END.
- (2) 1/2" X 1/8" WEEP SLOT AT SILL BEHIND GLAZING LEG.

**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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**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

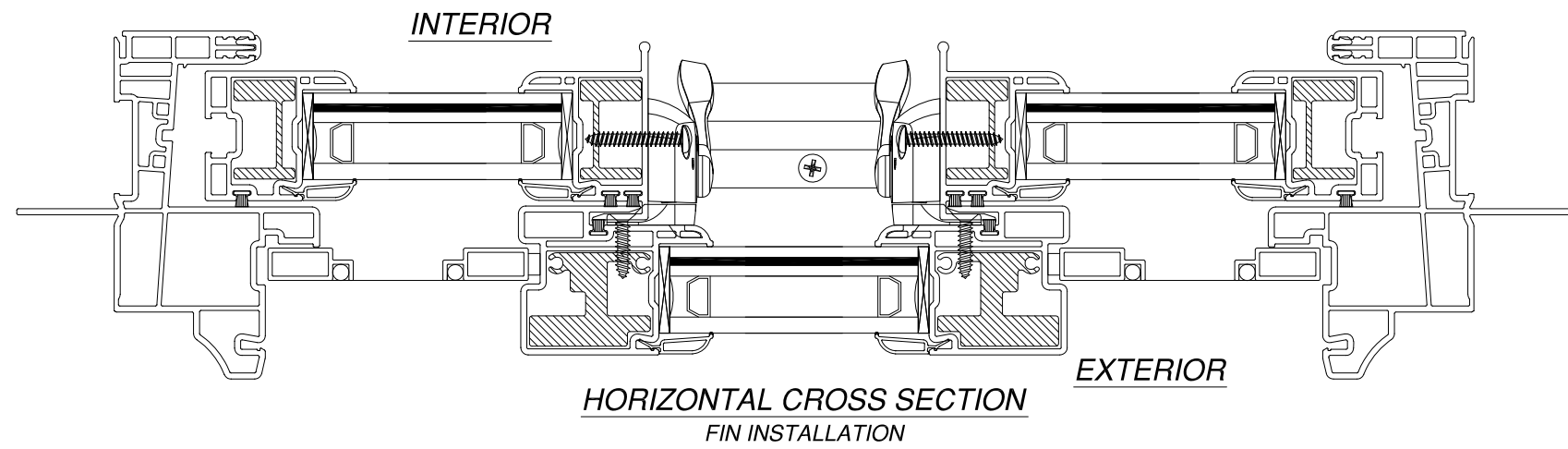
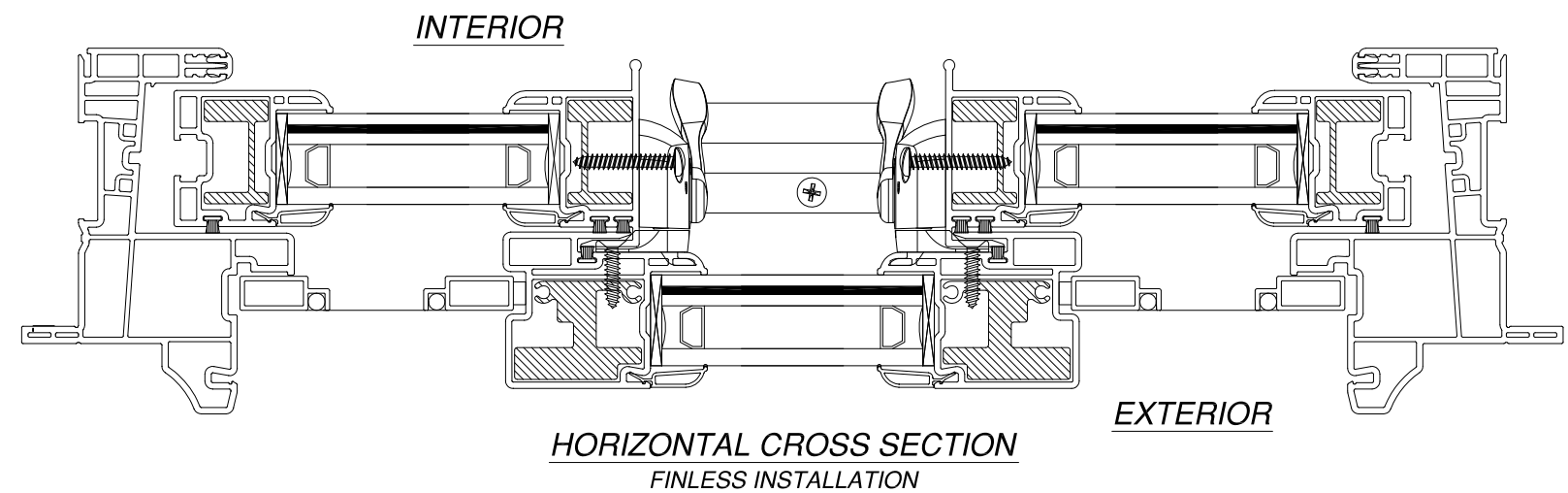
SERIES 176 HRP 333 PVB VINYL  
HORIZONTAL SLIDING WINDOW (XOX) 110" X 62"  
ELEVATIONS

DRAWN: A.R.	DWG NO. 08-03658	REV A
SCALE NTS	DATE 01/11/21	SHEET 2 OF 9


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


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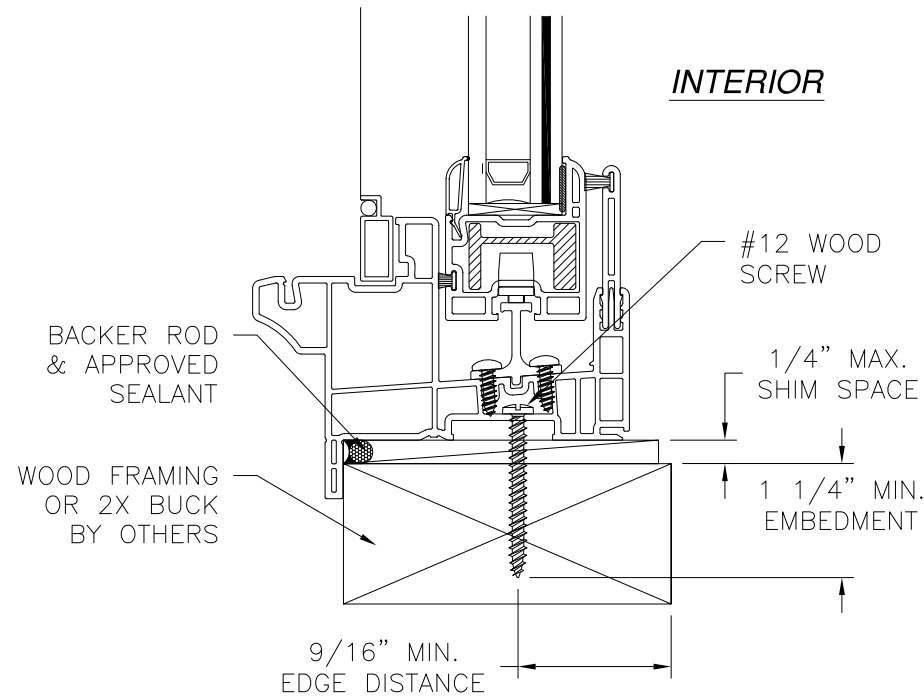
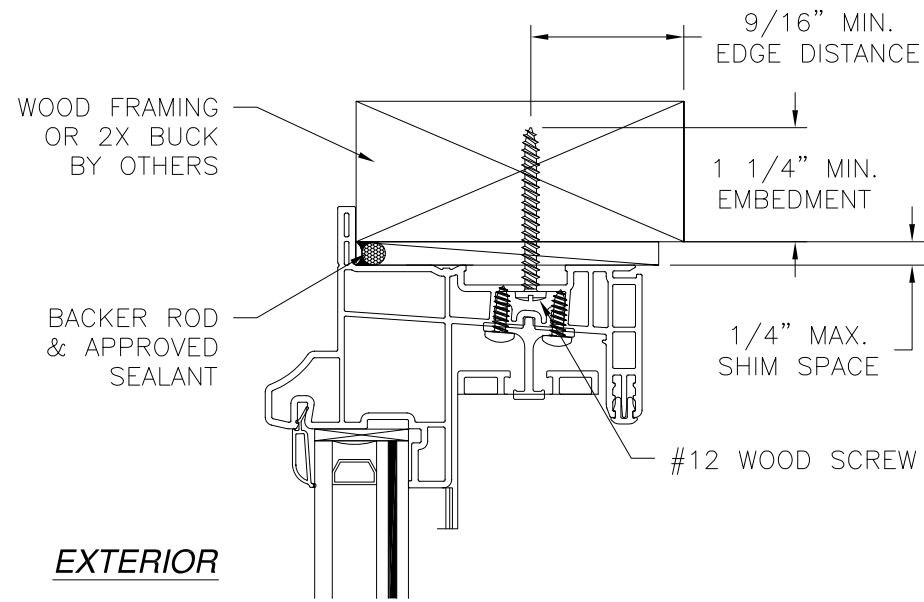
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 <b>Eastern</b> ARCHITECTURAL SYSTEMS ALUMINUM AND VINYL IMPACT WINDOWS AND DOORS			EASTERN ARCHITECTURAL SYSTEMS A DIVISION OF EASTERN METAL SUPPLY 16341 DOMESTIC AVE FORT MYERS, FL 33912 800-432-2204		
SERIES 176 HRP 333 PVB VINYL HORIZONTAL SLIDING WINDOW (XOX) 110" X 62" HORIZONTAL CROSS SECTIONS					
DRAWN:		DWG NO.		REV	
A.R.		08-03658		A	
SCALE	DATE	SHEET		OF	
NTS	01/11/21	3		9	
L. ROBERTO LOMAS P.E. 400 S. PALM AVE, INDIALANTIC, FL 32903 434-688-0609 rllomas@rlomaspe.com					

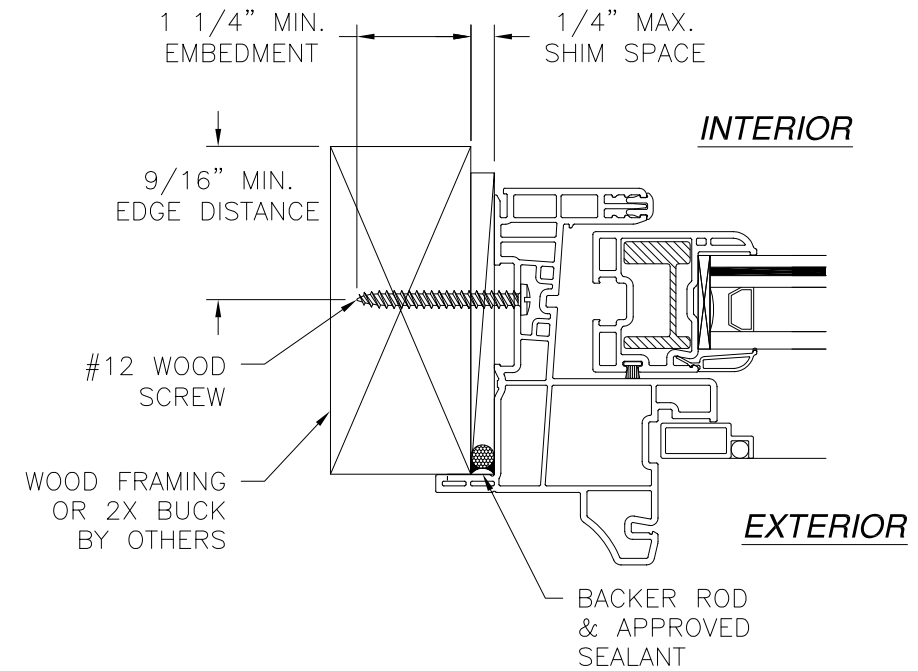


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**VERTICAL CROSS SECTION**  
WOOD FRAMING OR 2X BUCK INSTALLATION

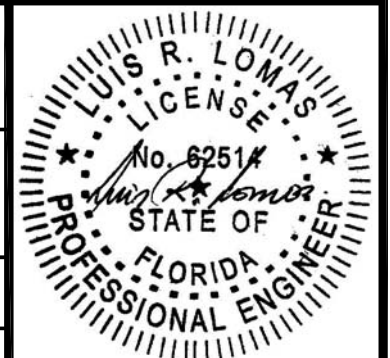


**JAMB INSTALLATION DETAIL**  
WOOD FRAMING OR 2X BUCK INSTALLATION

- 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

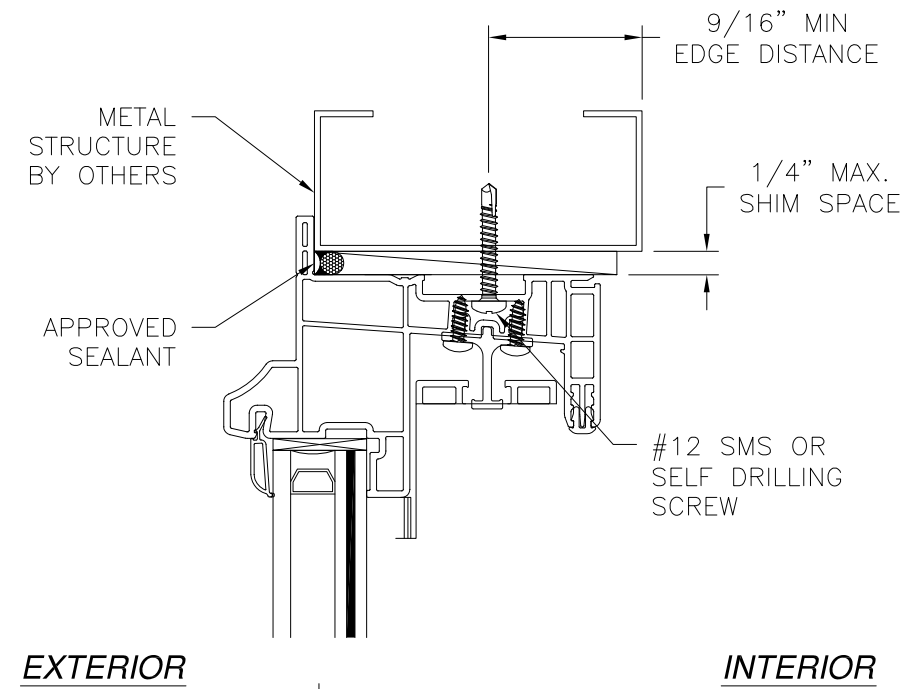
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SERIES 176 HRP 333 PVB VINYL HORIZONTAL SLIDING WINDOW (XOX) 110" X 62" INSTALLATION DETAILS			
DRAWN: A.R.	DWG NO. 08-03658	REV A	
SCALE NTS	DATE 01/11/21	SHEET 4 OF 9	
L. ROBERTO LOMAS P.E. 400 S. PALM AVE, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com			

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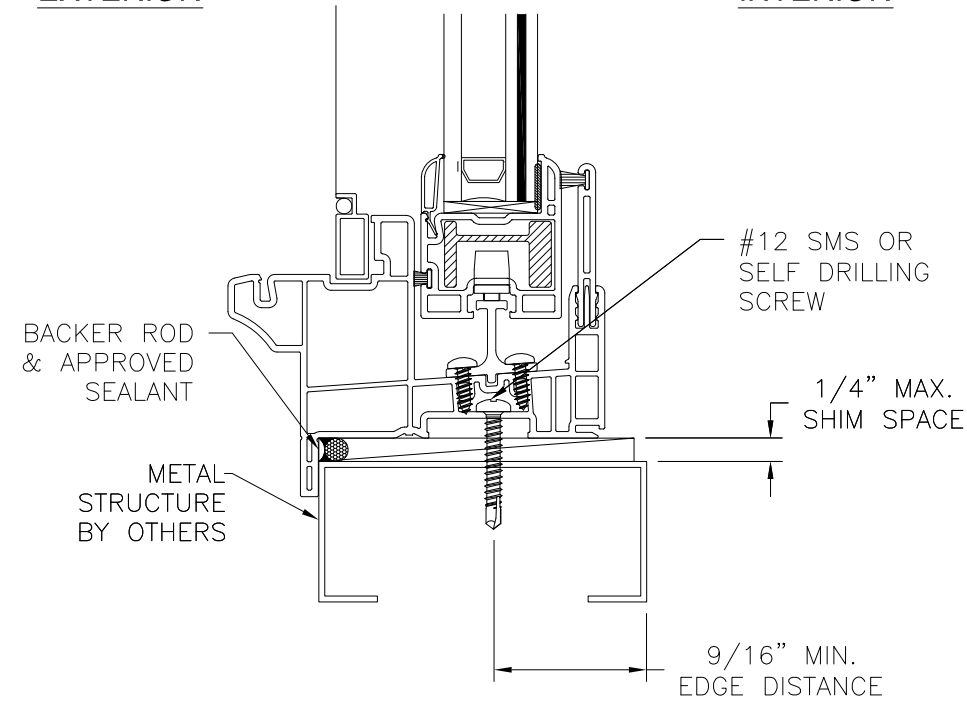
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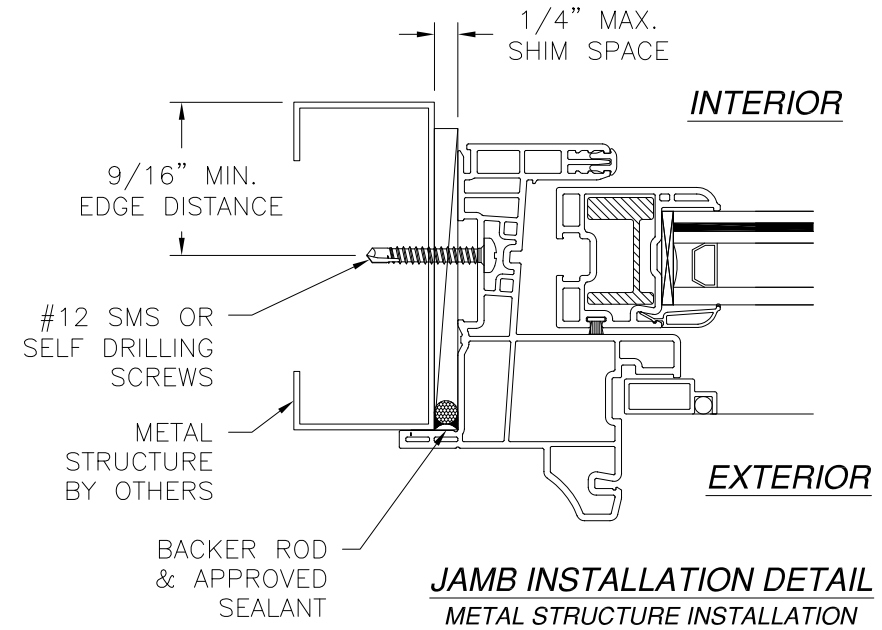


EXTERIOR

INTERIOR




**VERTICAL CROSS SECTION**  
METAL STRUCTURE INSTALLATION

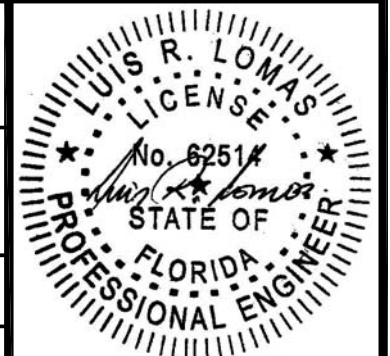


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METAL STRUCTURE INSTALLATION

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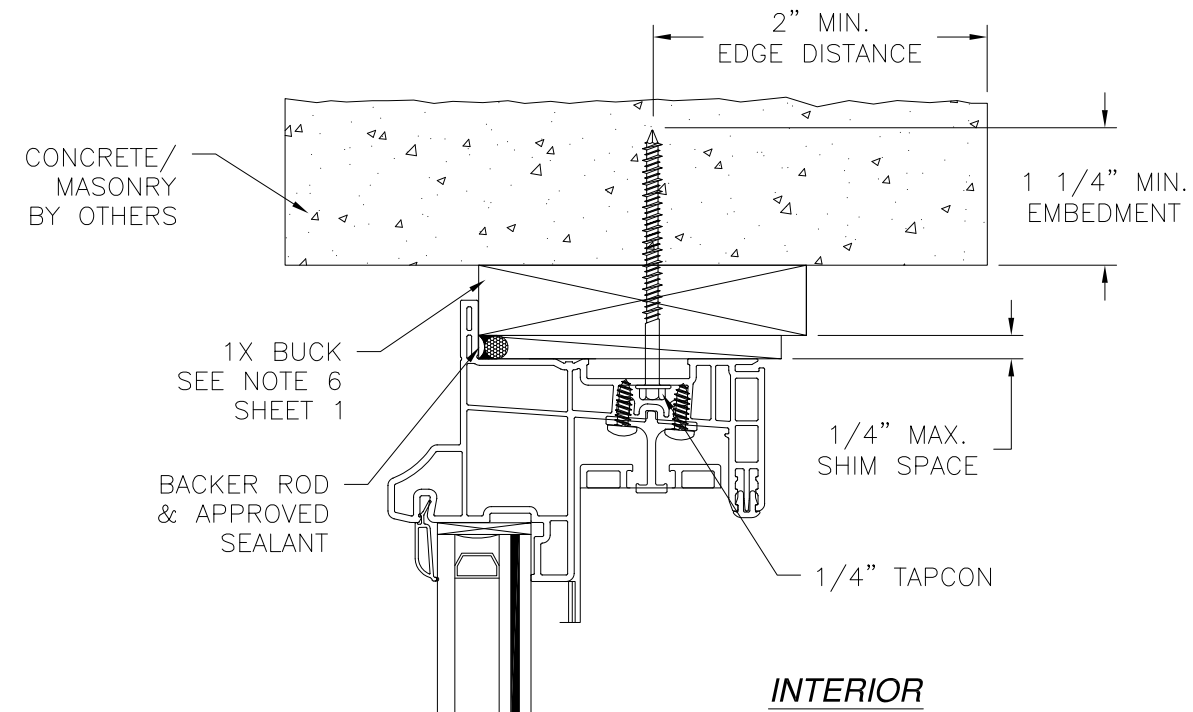
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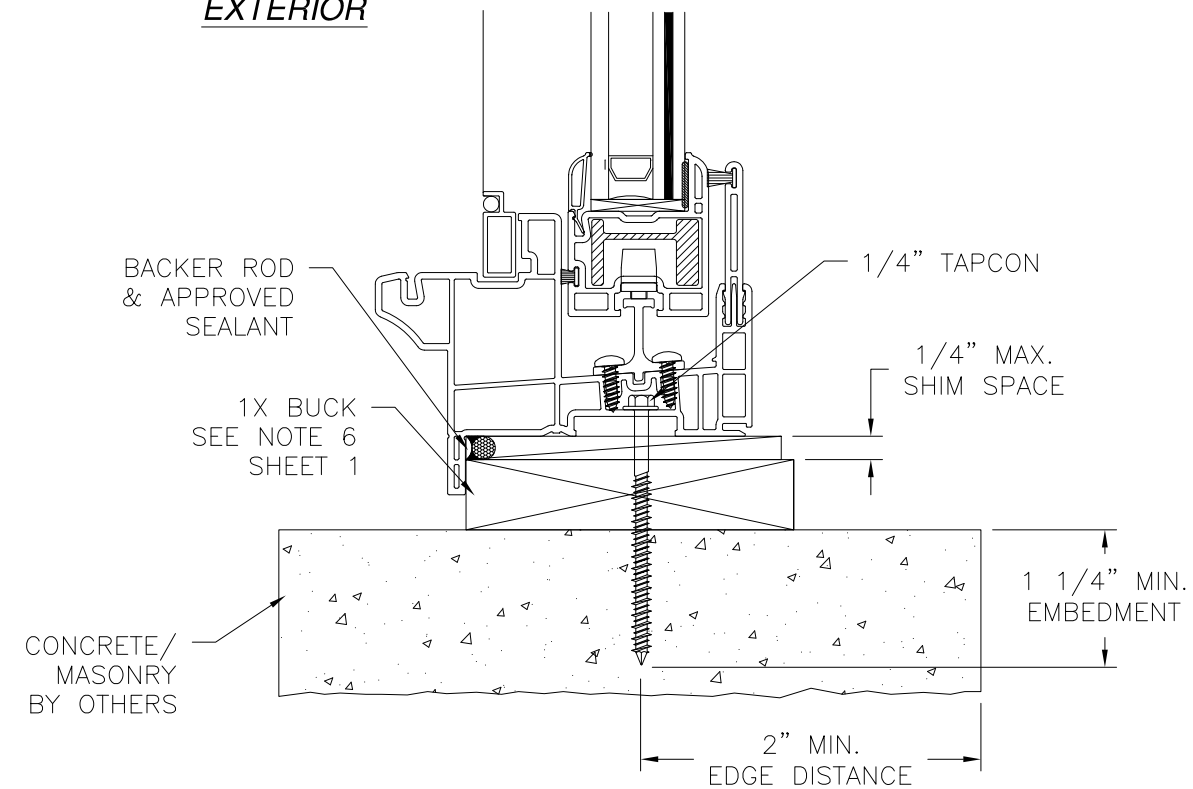
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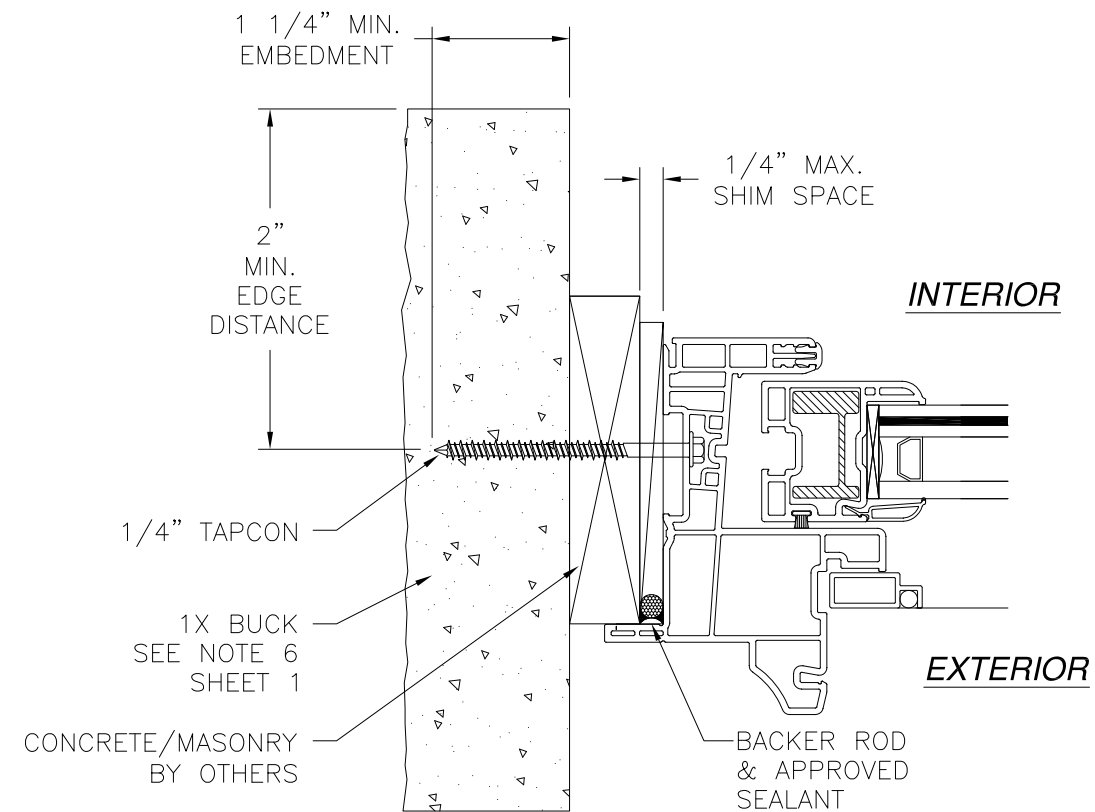


**EXTERIOR**

**INTERIOR**



**VERTICAL CROSS SECTION**  
CONCRETE/MASONRY W/1X BUCK INSTALLATION

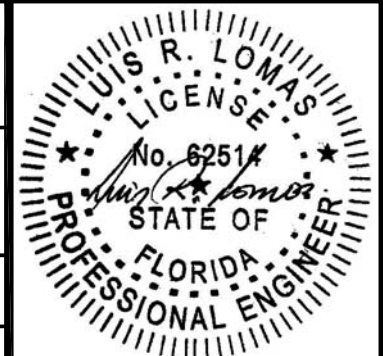


**JAMB INSTALLATION DETAIL**  
CONCRETE/MASONRY W/1X BUCK INSTALLATION

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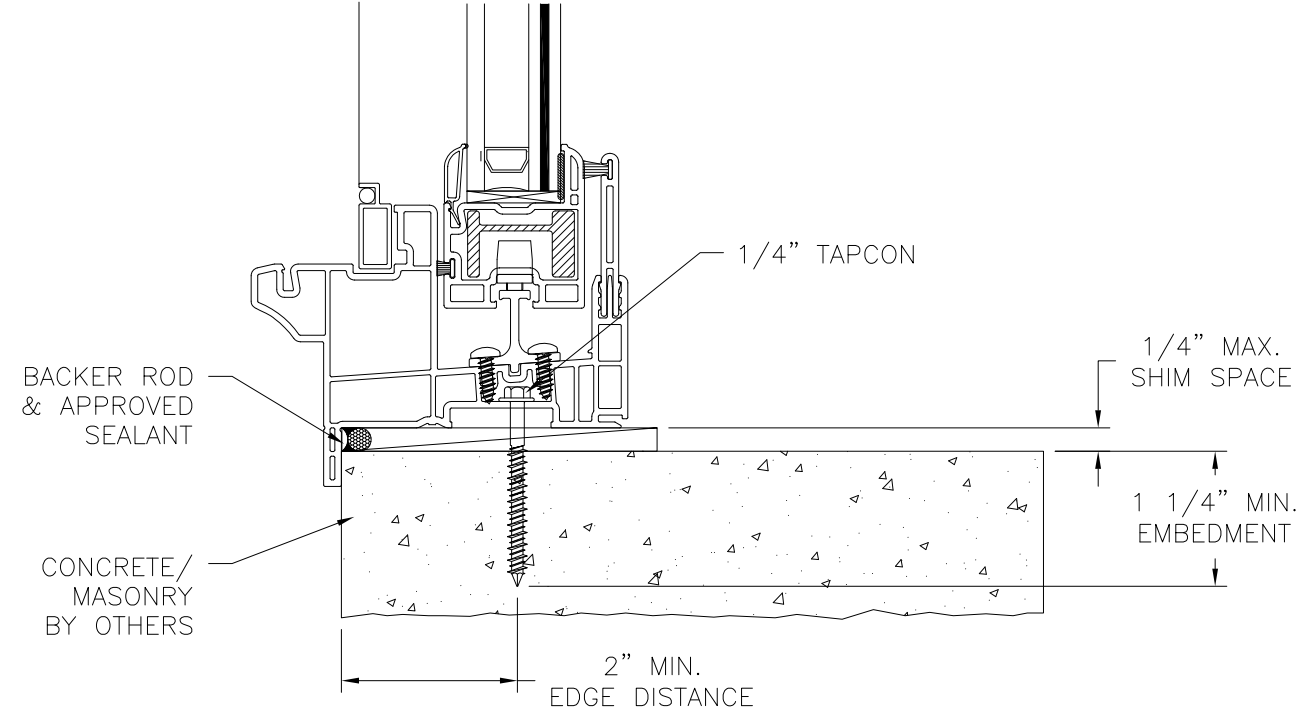
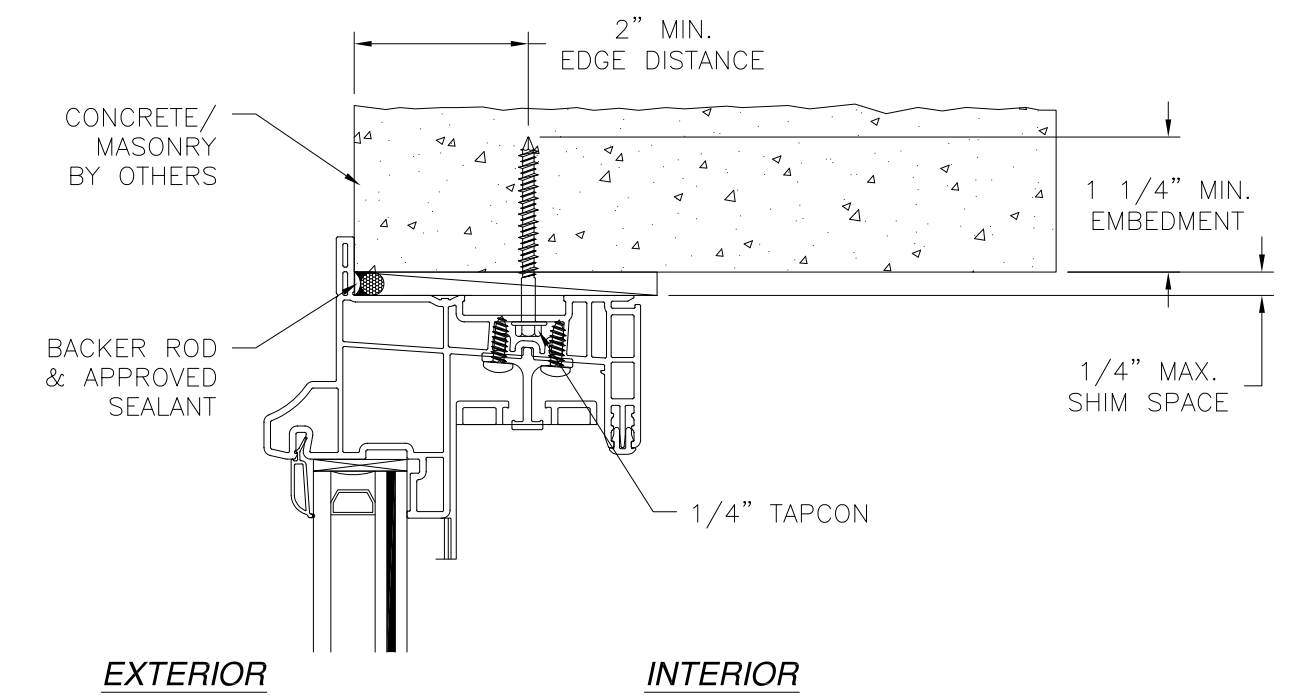
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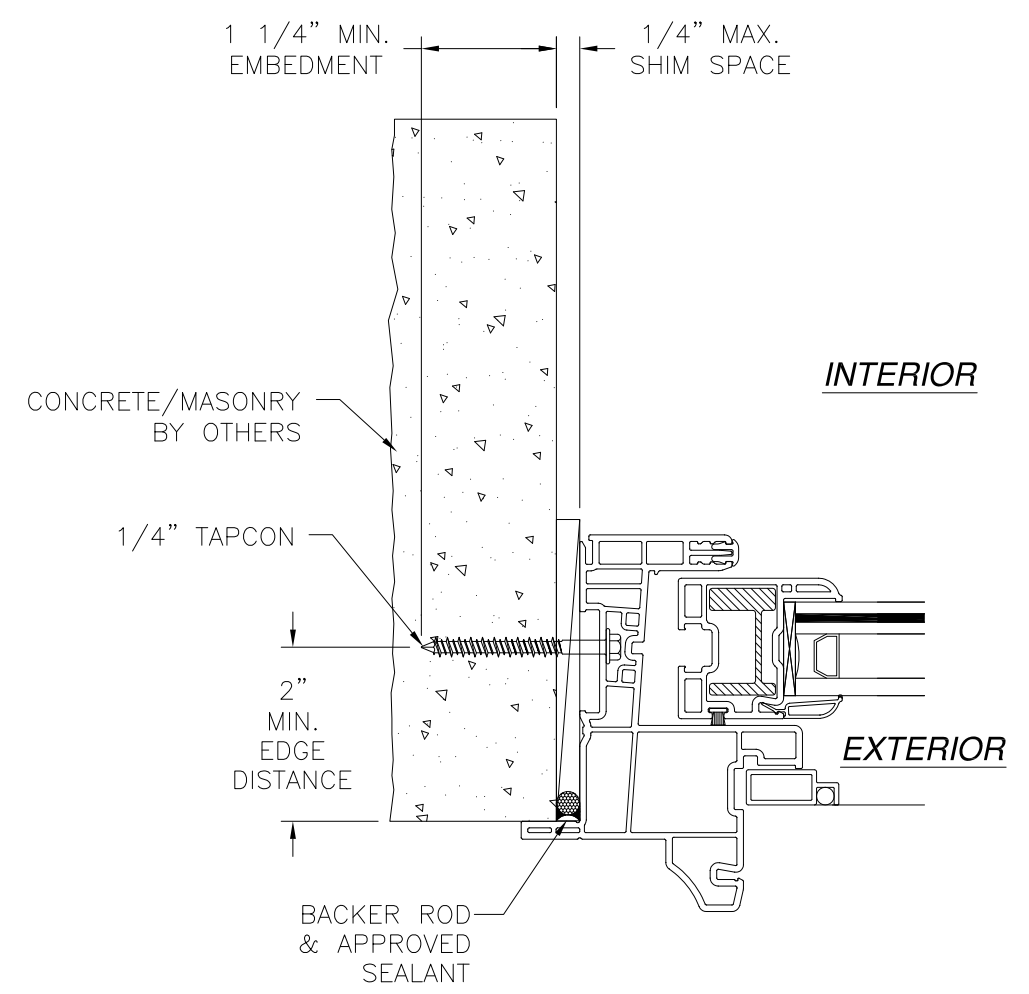


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**VERTICAL CROSS SECTION  
CONCRETE/MASONRY INSTALLATION**



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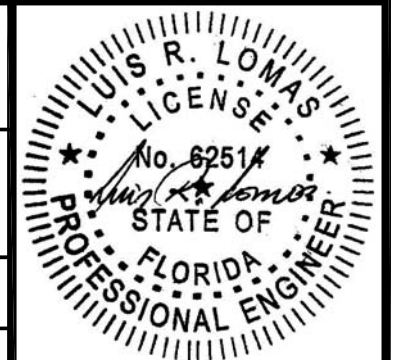
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IMPACT WINDOWS AND DOORS

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800-432-2204

SERIES 176 HRP 333 PVB VINYL  
HORIZONTAL SLIDING WINDOW (XOX) 110" X 62"  
INSTALLATION DETAILS

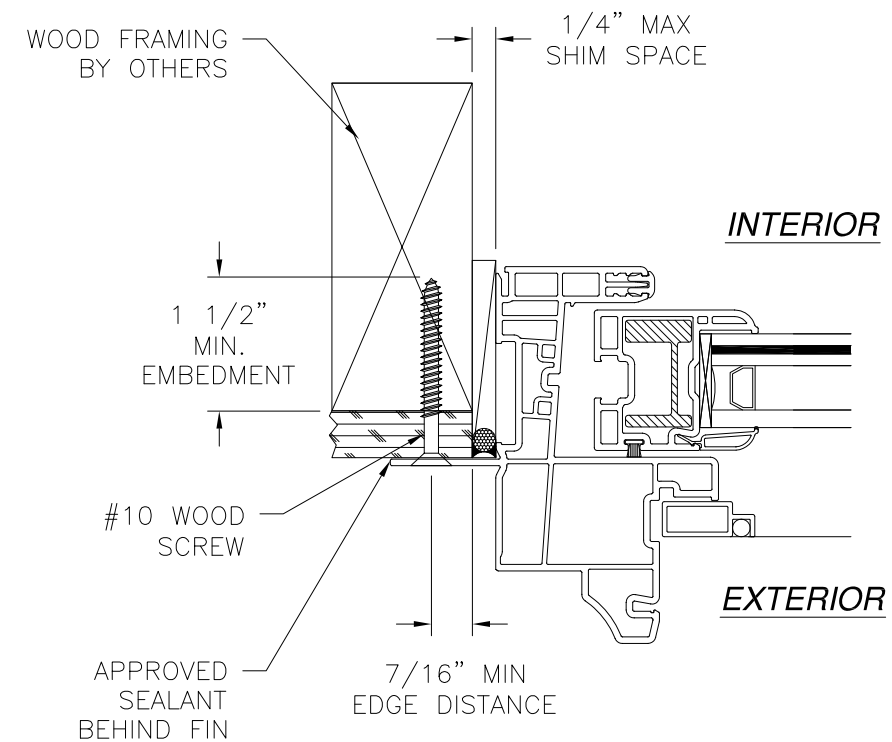
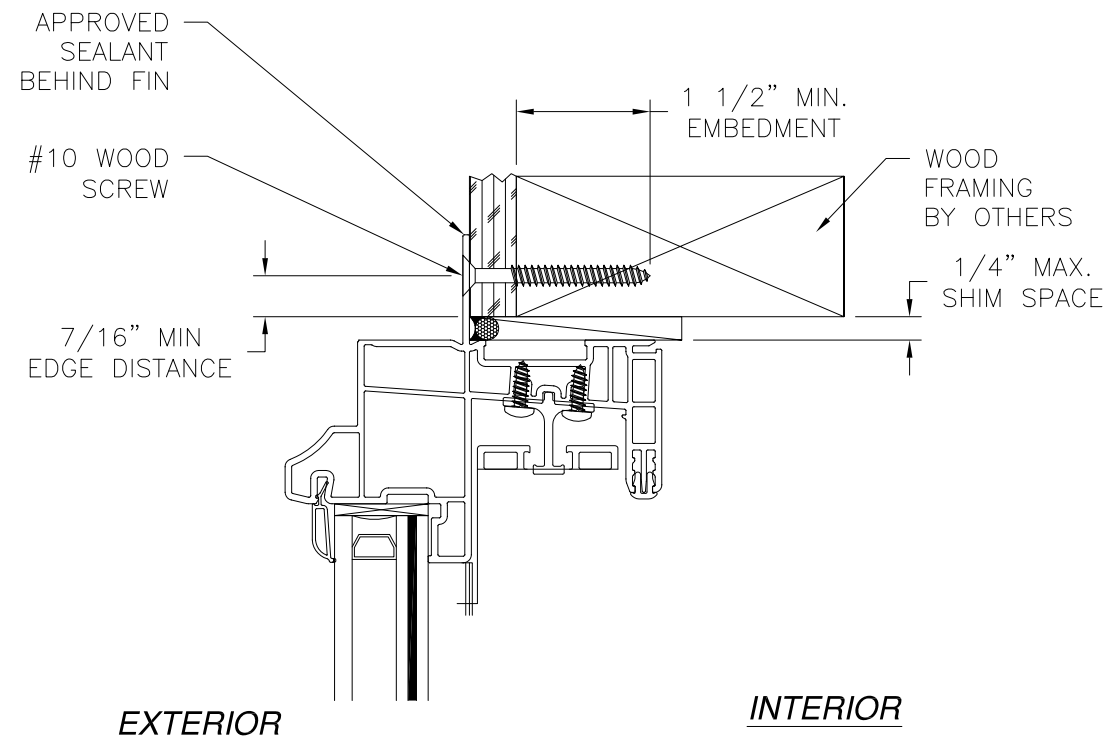
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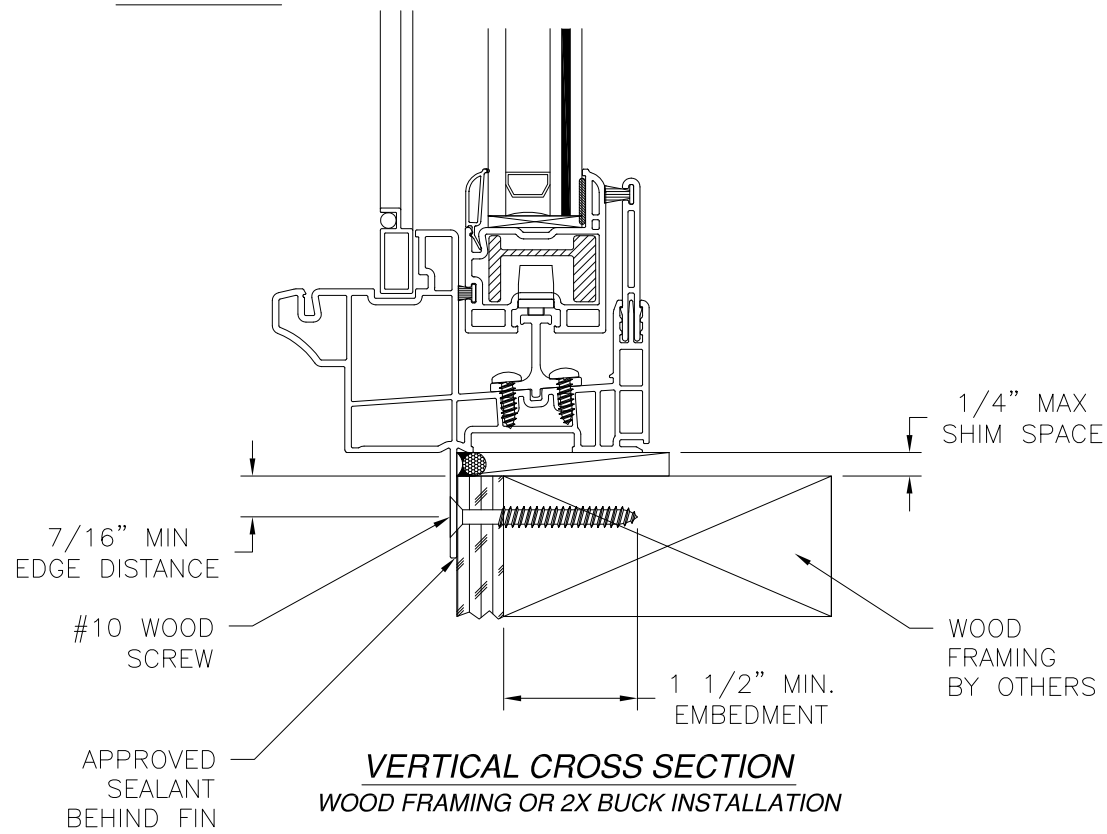


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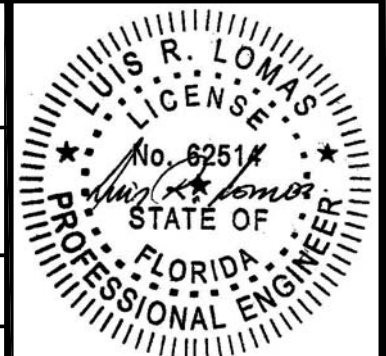


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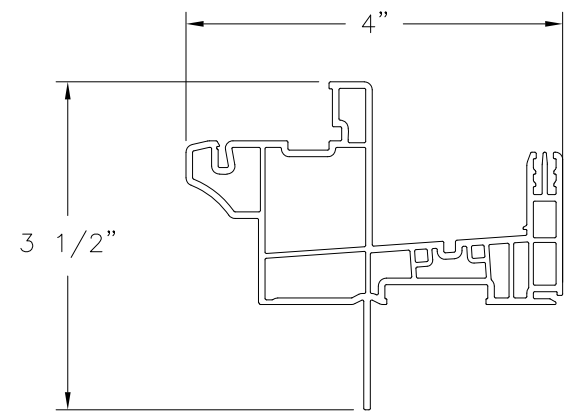
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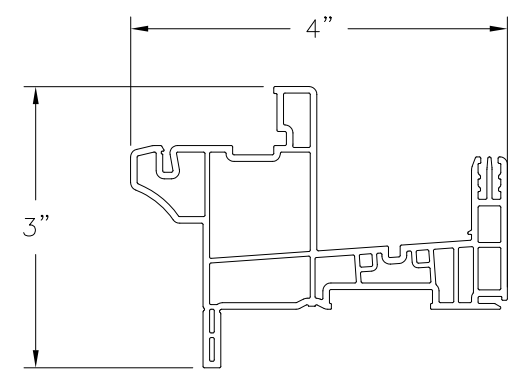
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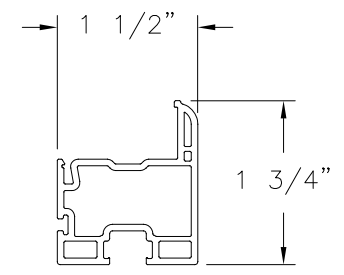
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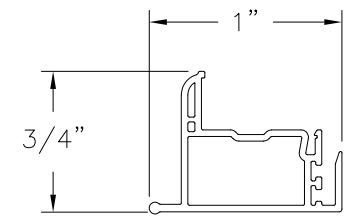
**MAIN FRAME  
FIN INSTALLATION (4761)**  
EXTRUDED RIGID PVC



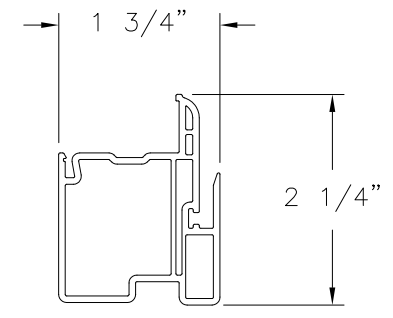
**MAIN FRAME (4731)**  
EXTRUDED RIGID PVC



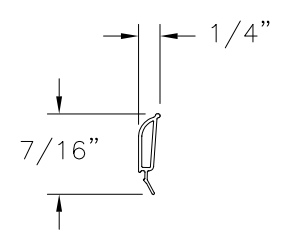
**BOTTOM RAIL (5539)**  
EXTRUDED RIGID PVC



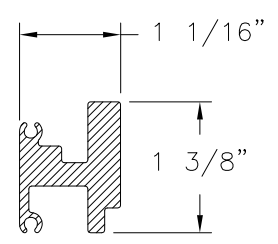
**LOCK RAIL (4720)**  
EXTRUDED RIGID PVC



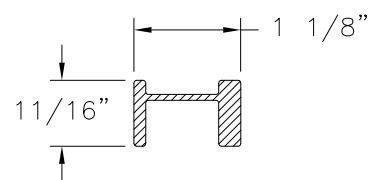
**FIXED MEETING RAIL (4719)**  
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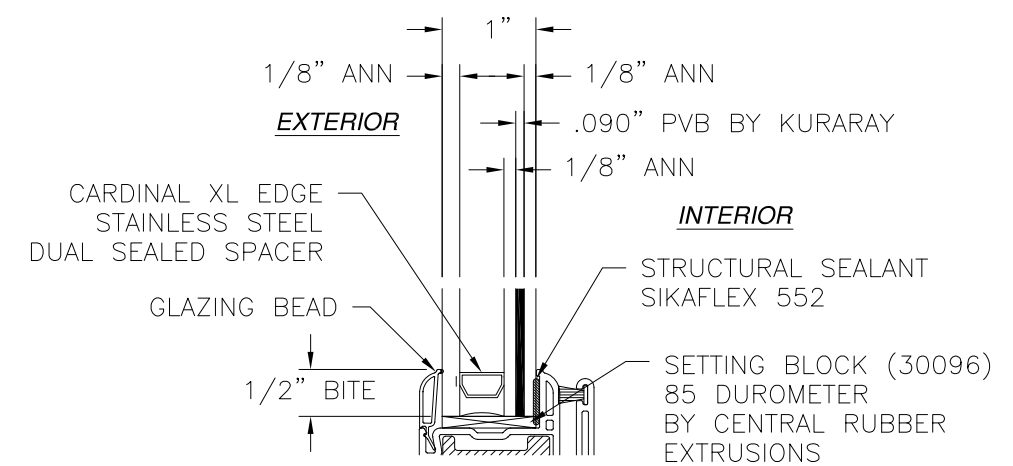
**GLAZING BEAD (5464)**  
EXTRUDED RIGID PVC




**REINFORCEMENT (55556)**  
6005-T5 ALUMINUM



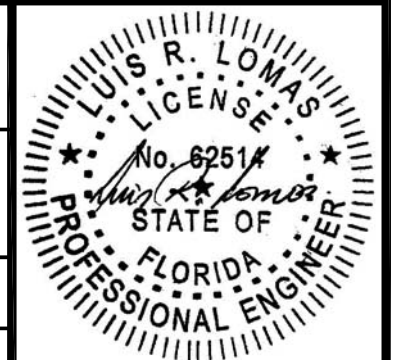
**REINFORCEMENT (55557)**  
6005-T5 ALUMINUM



**GLAZING DETAIL**

			EASTERN ARCHITECTURAL SYSTEMS A DIVISION OF EASTERN METAL SUPPLY 16341 DOMESTIC AVE FORT MYERS, FL 33912 800-432-2204		
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DRAWN: A.R.		DWG NO. 08-03658		REV A	
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