

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

NOTES:

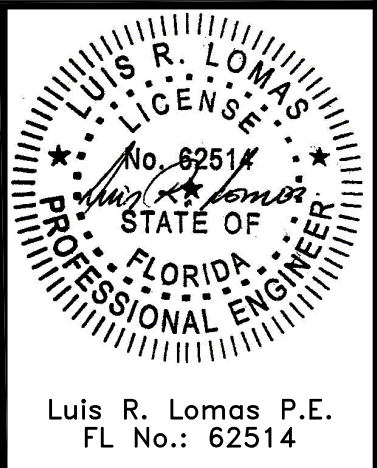
1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE FLORIDA BUILDING CODE.
2. WOOD FRAMING, METAL STRUCURE AND MASONRY OPENING TO BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO STRUCTURE. FRAMING AND MASONRY OPENING IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
3. WHERE SHIM OR BUCK THICKNESS IS LESS THAN 1-1/2" 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. 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 UNIT FRAME INTERIOR FACE SO THAT FULL FRAME SUPPORT IS PROVIDED.
7. SHIM AS NEEDED 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 3 FOR GLASS DETAILS.
12. APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS UP TO WIND ZONE 3.

13. FOR ANCHORING THROUGH FIN INTO WOOD FRAMING OR 2X BUCK USE #6 WOOD SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE A 7/8" MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
14. FOR ANCHORING THROUGH FIN INTO METAL STRUCTURE USE #6 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.
15. FOR ANCHORING THROUGH FRAME OR STRAP 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.
16. FOR ANCHORING THROUGH FRAME OR STRAP 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.
17. FOR ANCHORING THROUGH FRAME OR STRAP 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.
18. ALL FASTENERS TO BE CORROSION RESISTANT.
19. 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 2,000 PSI.
 - C. MASONRY: HOLLOW/FILLED BLOCK PER ASTM C90 WITH Fm=2,000PSI MINIMUM.
 - D. METAL STRUCTURE: STEEL 18GA (.048") FY=33KSI/FU=52KSI OR ALUMINUM 6063-T5 FU=30KSI .25" THICK MINIMUM
20. APPROVED CONFIGURATIONS: OX AND XO.

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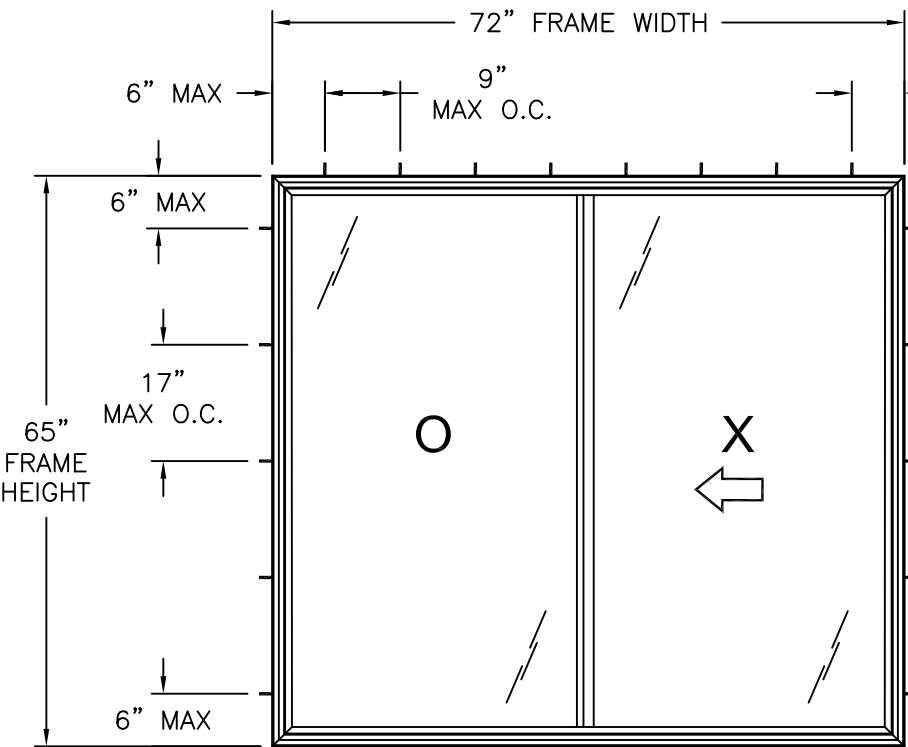
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2	ELEVATIONS
3	HORIZONTAL CROSS SECTIONS & GLAZING DETAIL
4 - 14	INSTALLATION DETAILS
15	COMPONENTS

NT WINDOW, INC. 2900 WEST SEMINARY DR. FORT WORTH, TX 76133		
G140 PVC HORIZONTAL SLIDER WINDOW REINFORCED - IMPACT NOTES		
DRAWN: A.R.	DWG NO. 08-04148	REV -
SCALE NTS	DATE 04/30/2025	SHEET 1 OF 15
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

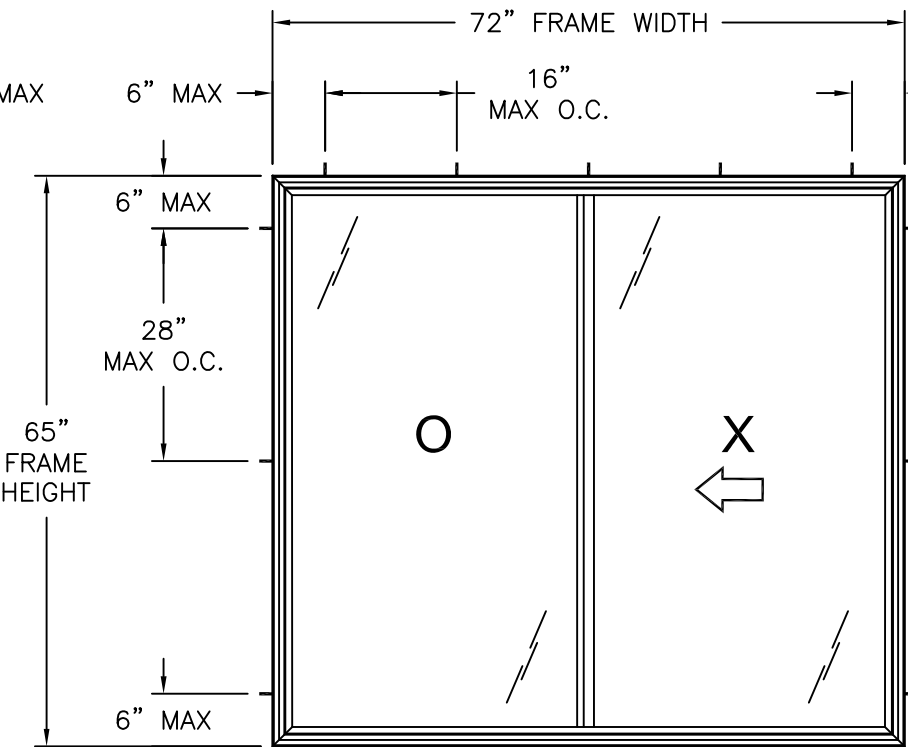


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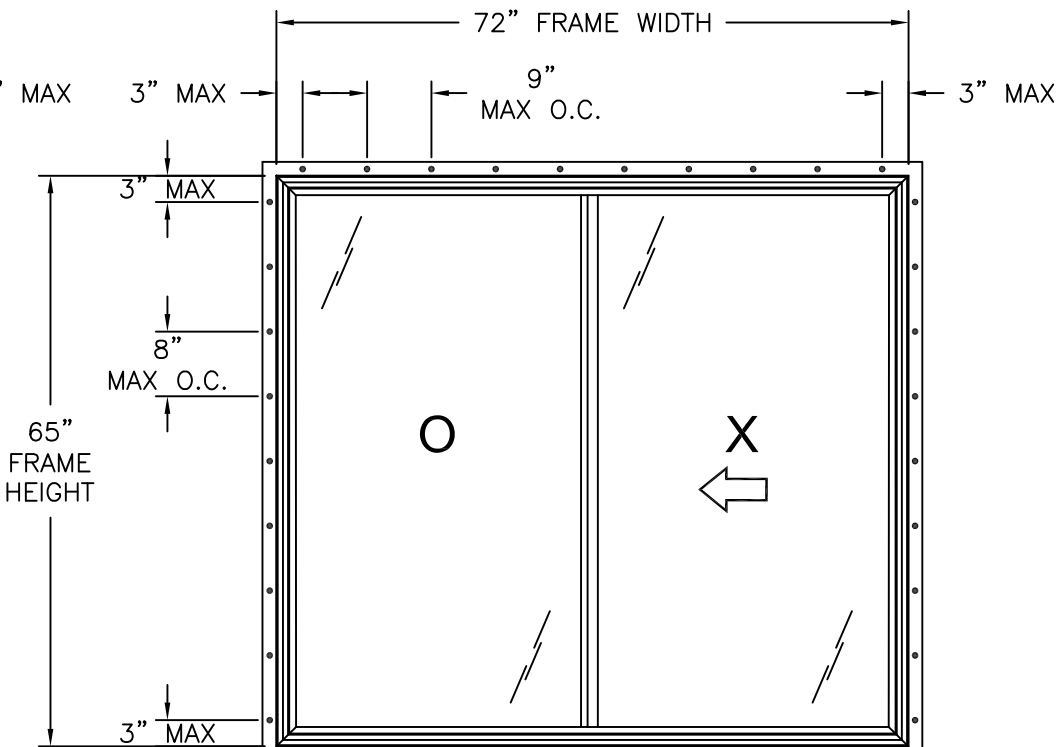
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G140 PVC HORIZONTAL SLIDER WINDOW
FINLESS AND FLANGE FRAME INSTALLATION



G140 PVC HORIZONTAL SLIDER WINDOW
STRAP INSTALLATION



G140 PVC HORIZONTAL SLIDER WINDOW
FIN INSTALLATION

DESIGN PRESSURE RATING	IMPACT RATING
±55.0PSF	LARGE AND SMALL MISSILE IMPACT

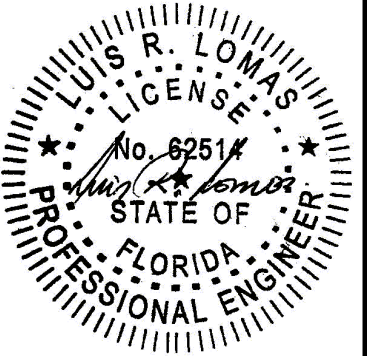
MISSILE LEVEL D, WIND ZONE 3
72" X 65" UNIT SHOWN. OTHER SIZES APPROVED AS LONG AS
FRAME AREA DOES NOT EXCEED 32.5 FT²

- NOTES:
- SASH SIZE: 35 3/8" X 61 3/8"
 - FIXED D.L.O.: 32 1/2" X 60 1/2"
 - SASH D.L.O.: 32 1/2" X 58 1/2"

HARDWARE SCHEDULE	
A.	(2) COMPOSITE CAM LOCK WITH KEEPERS AT LOCK STILE, 7" IN FROM EACH END
B.	(2) DUAL METAL ROLLER ASSEMBLY AT BOTTOM RAILS, ONE AT EACH END
C.	ALUMINUM REINFORCEMENT (16579) AT SASH JAMB STILE
D.	ALUMINUM REINFORCEMENT (16582) AT SASH LOCK STILE
E.	ALUMINUM REINFORCEMENT (16943) AT FIXED MEETING STILE

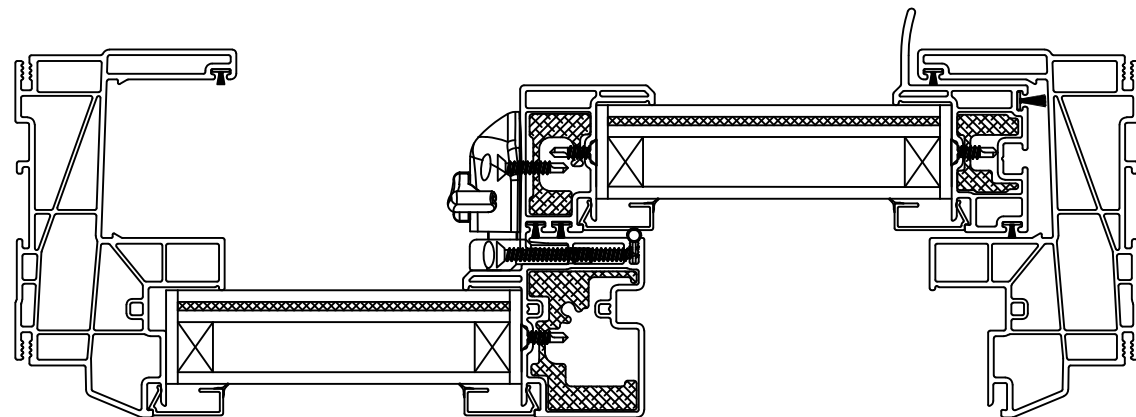
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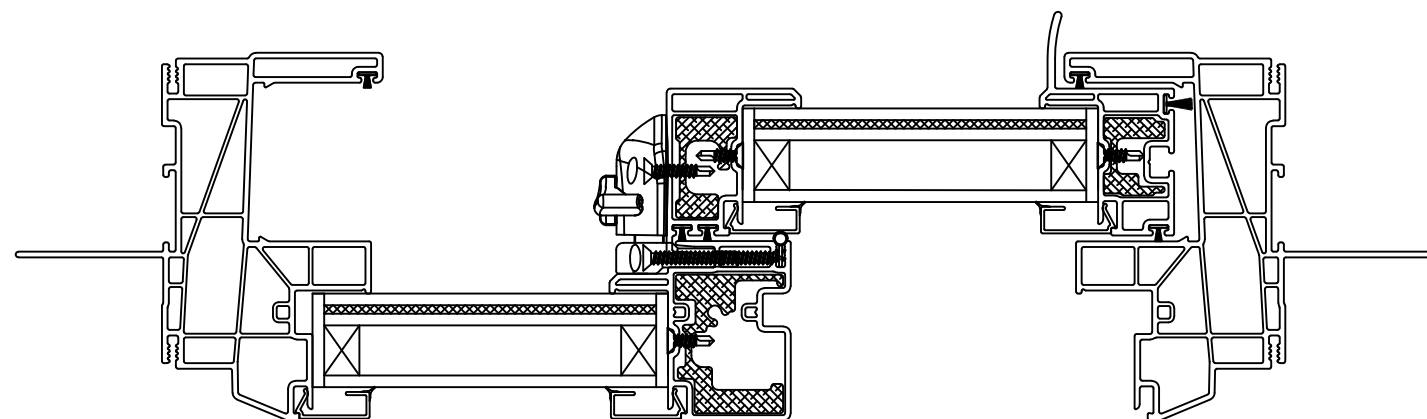


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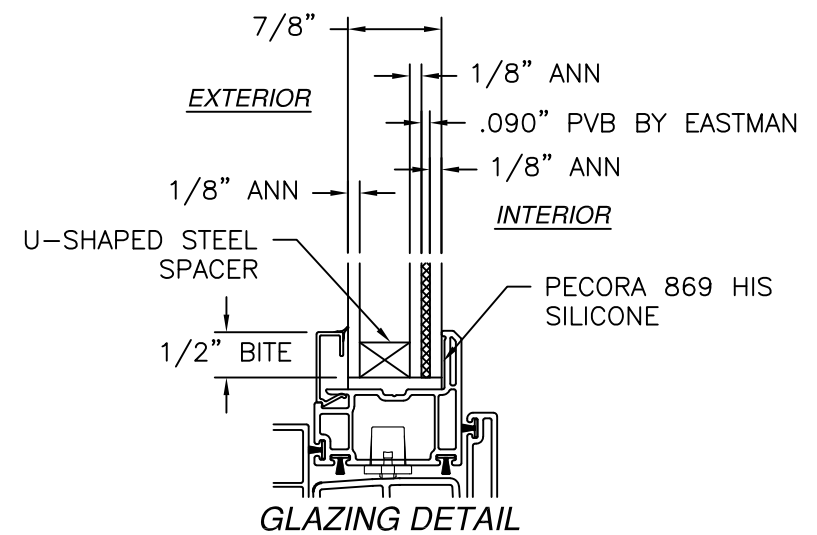
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HORIZONTAL CROSS SECTION
FINLESS INSTALLATION

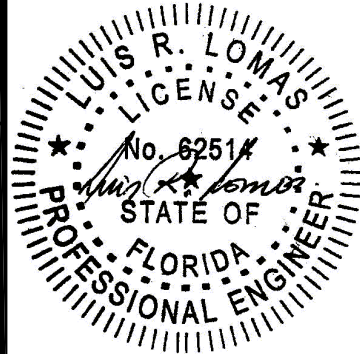


HORIZONTAL CROSS SECTION
FIN INSTALLATION



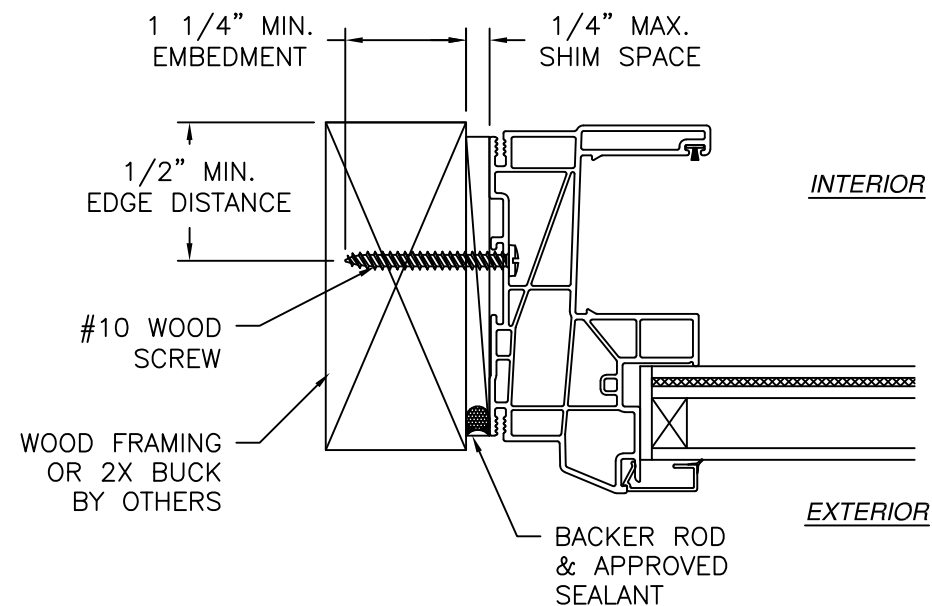
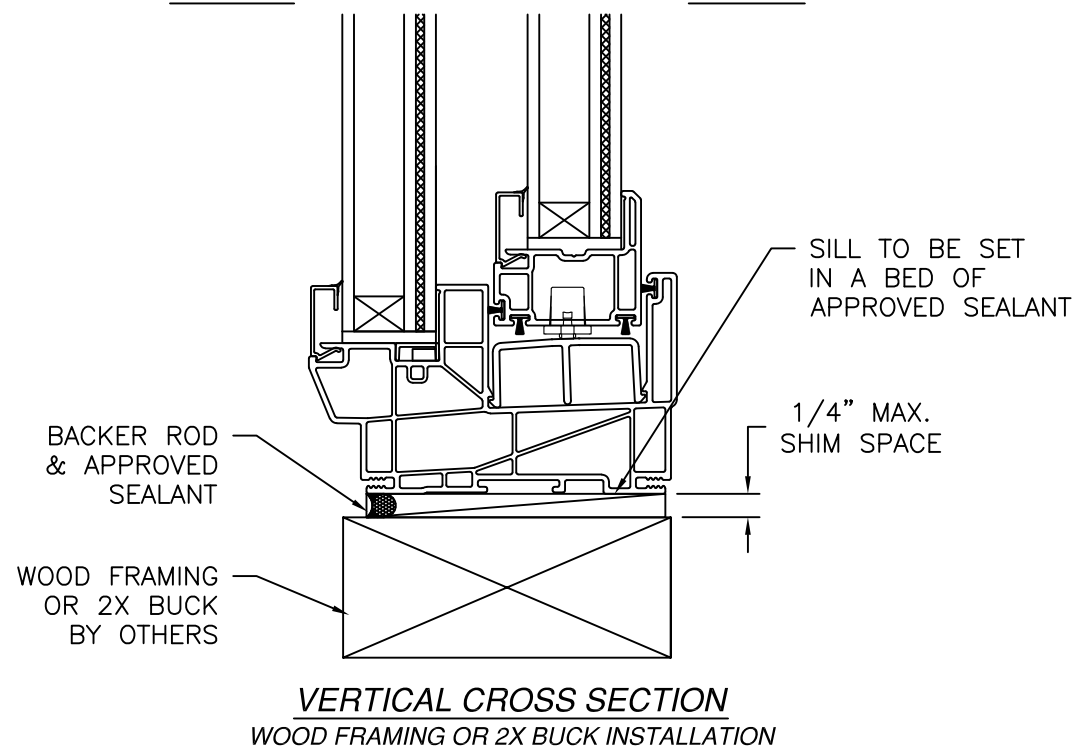
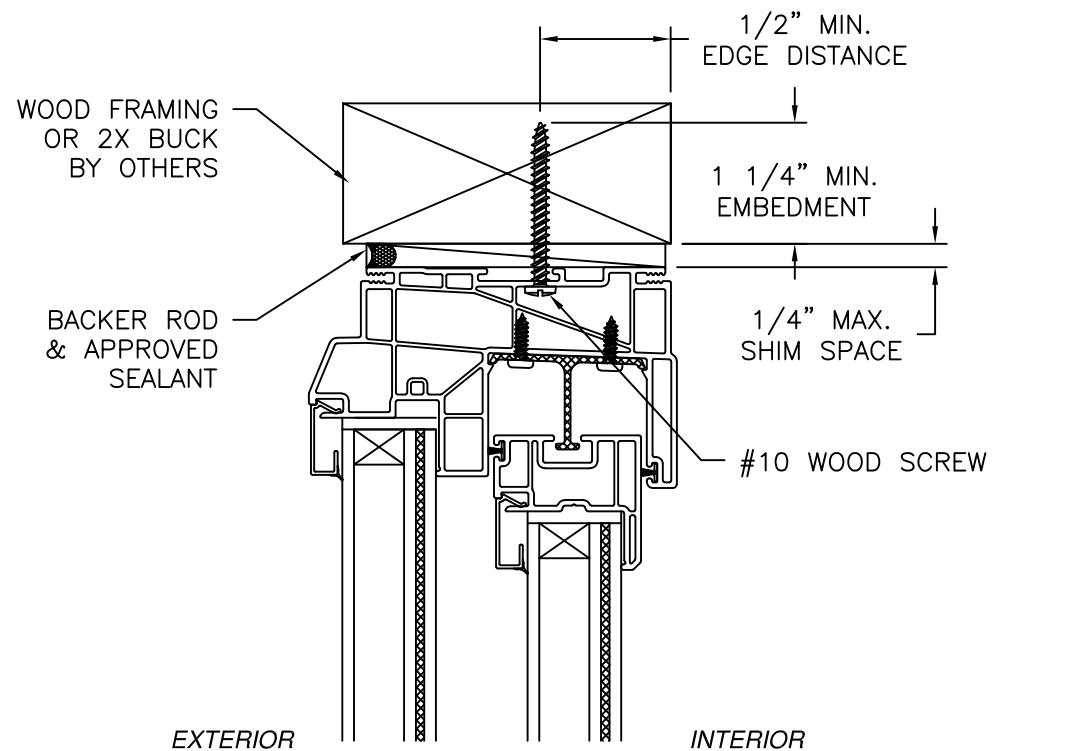
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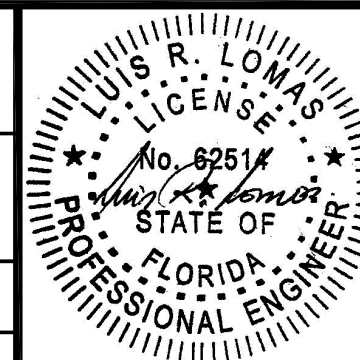


JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

- 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

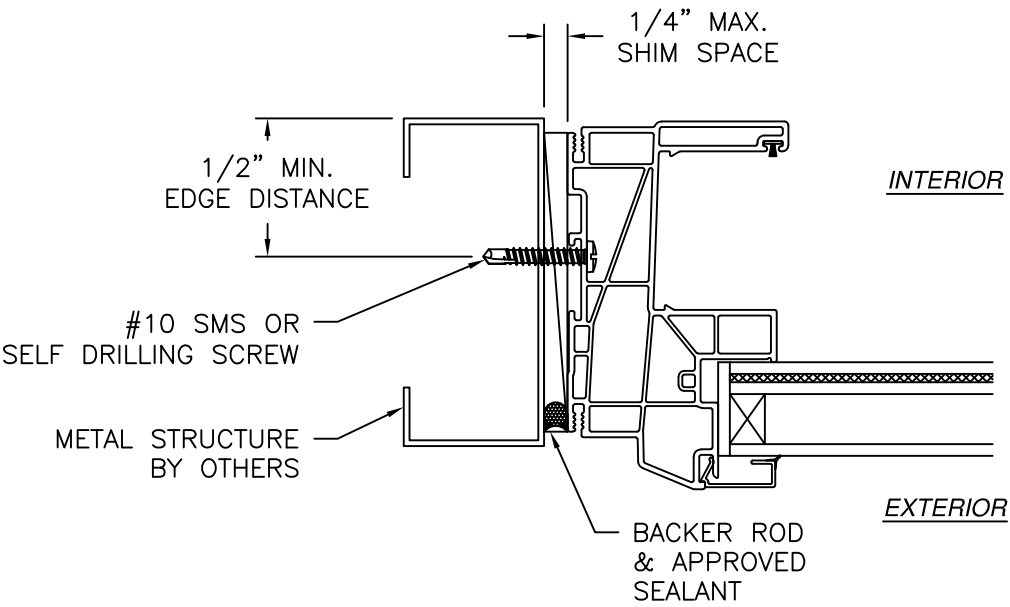
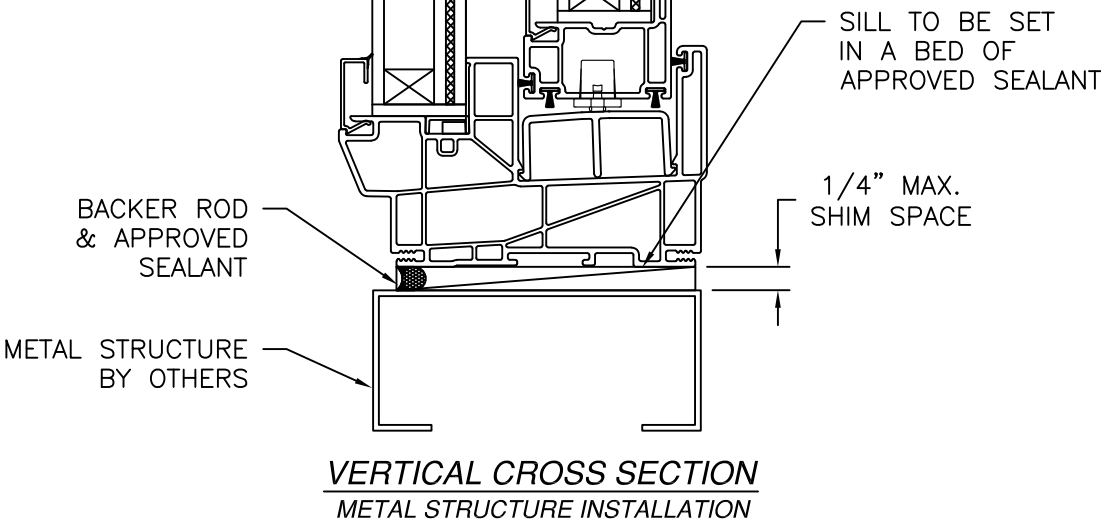
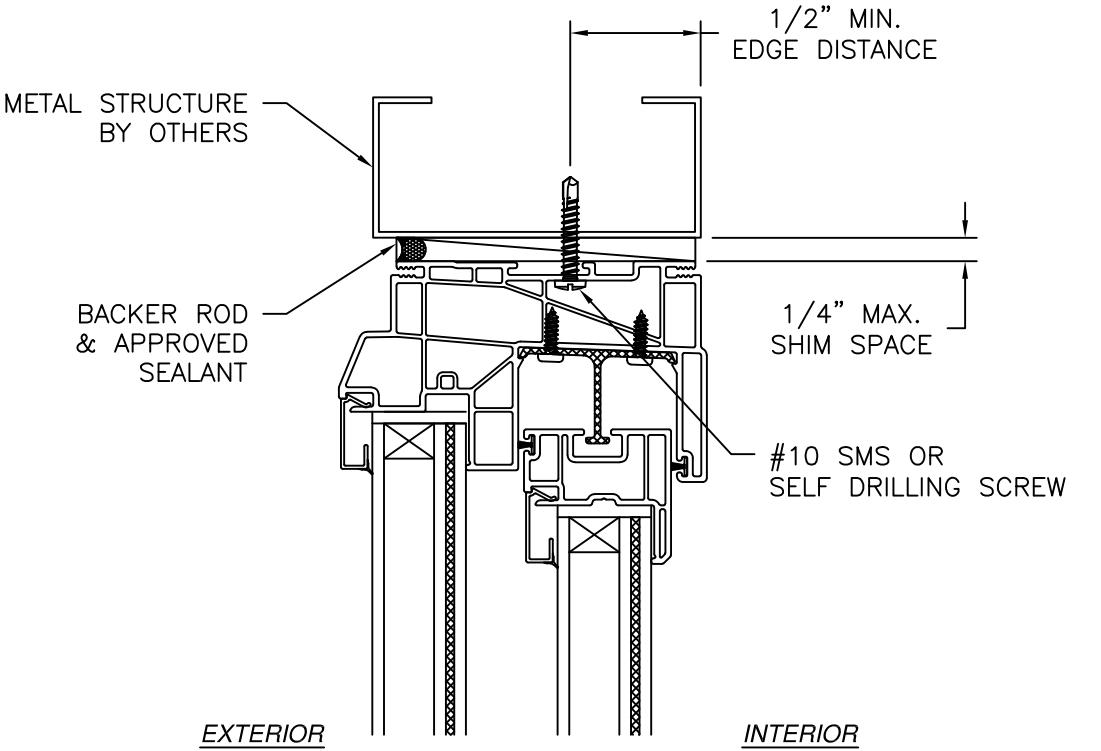
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JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION

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 - PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112

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NT WINDOW, INC.
2900 WEST SEMINARY DR.
FORT WORTH, TX 76133

G140 PVC HORIZONTAL SLIDER WINDOW
REINFORCED – IMPACT
FINLESS INSTALLATION DETAILS

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08-04148

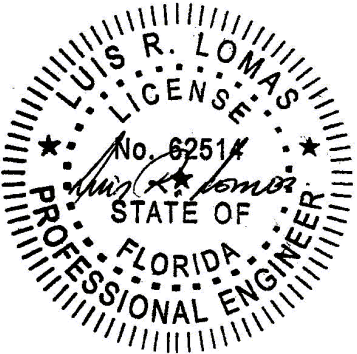
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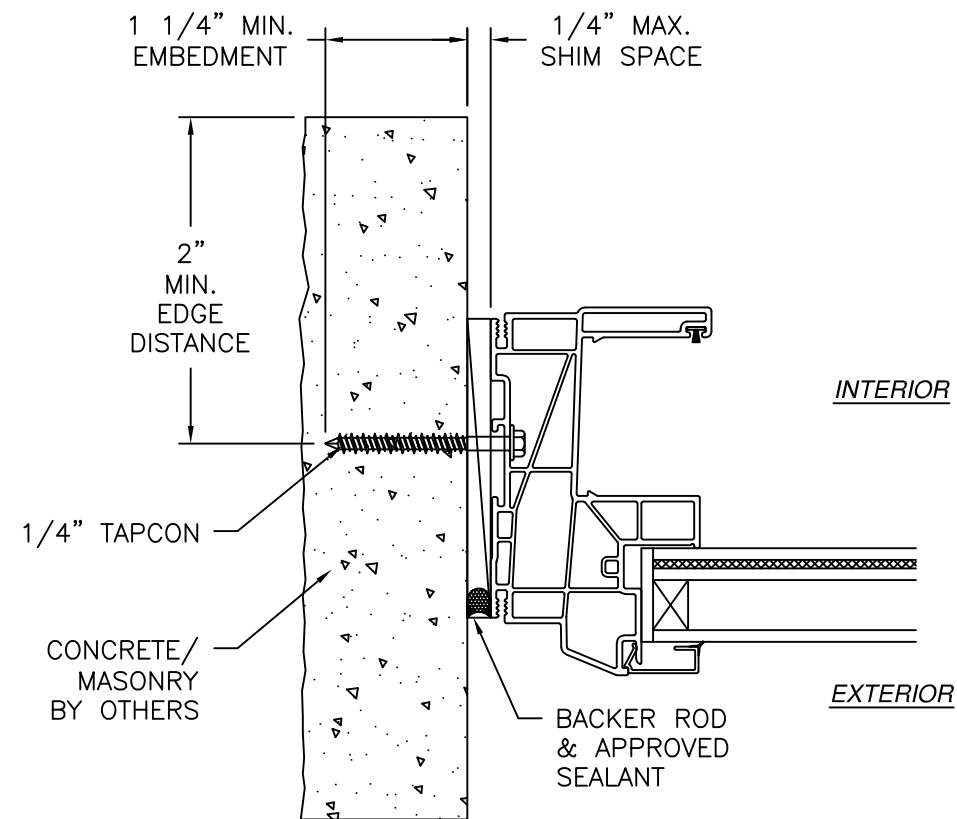
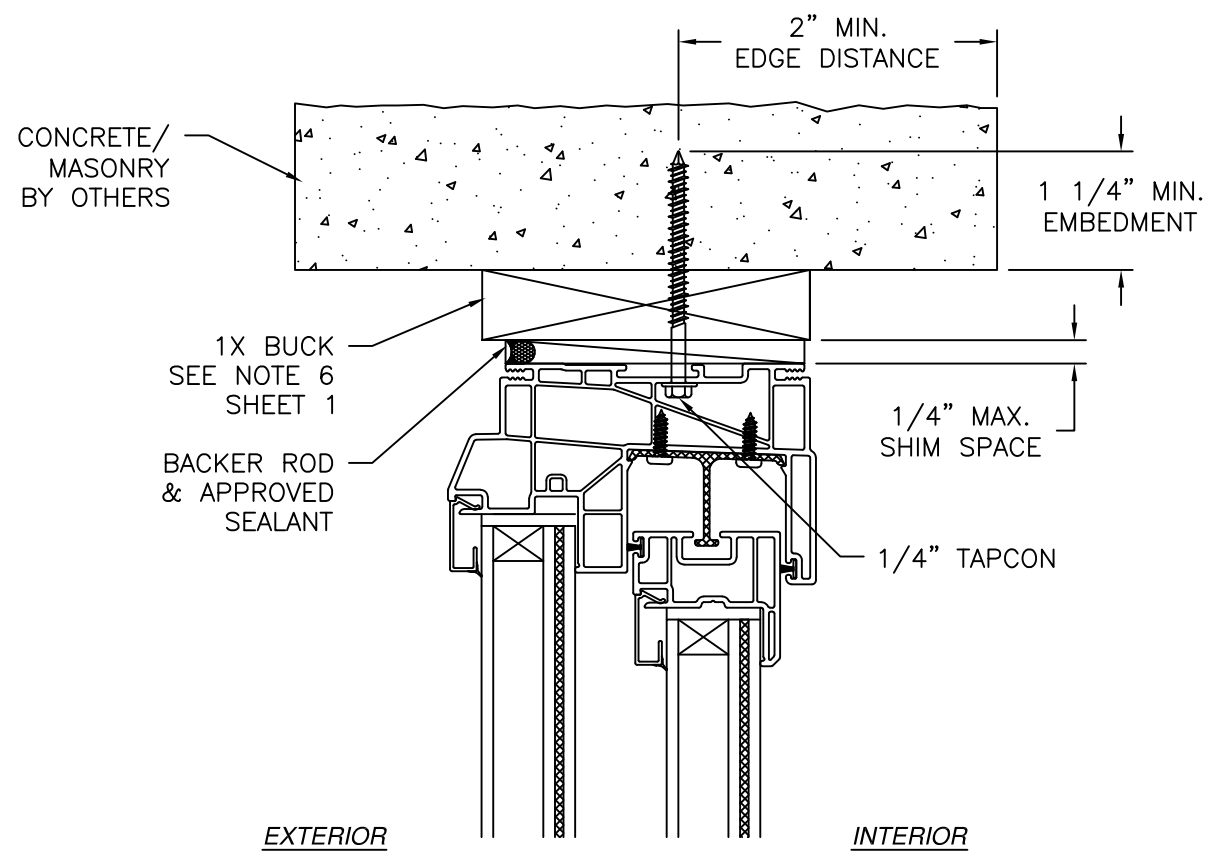
SHEET
5 OF 15

L. ROBERTO LOMAS P.E.
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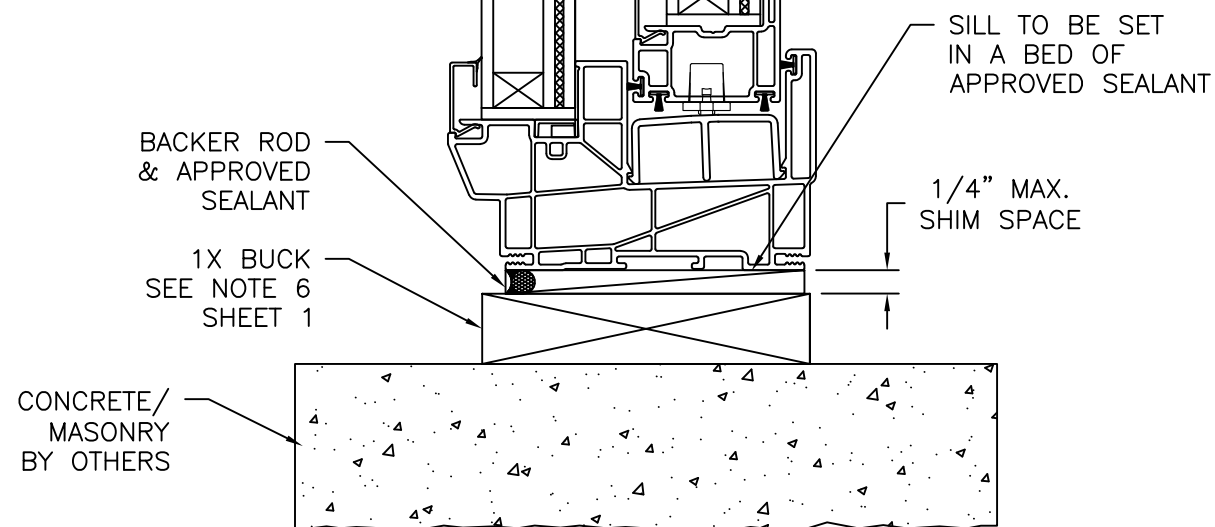
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JAMB INSTALLATION DETAIL
 CONCRETE/MASONRY WITHOUT 1X BUCK INSTALLATION
 FOR CONCRETE/MASONRY INSTALLATION WITH 1X BUCK REFER TO
 HEAD AND SILL INSTALLATION DETAILS

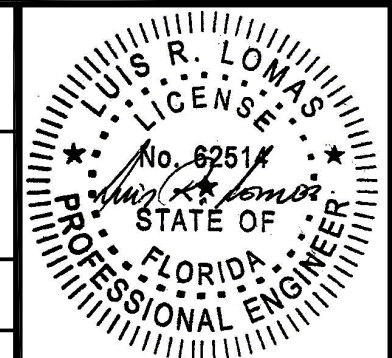
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VERTICAL CROSS SECTION
 CONCRETE/MASONRY WITH 1X BUCK INSTALLATION
 FOR CONCRETE/MASONRY WITHOUT 1X BUCK REFER TO
 JAMB INSTALLATION DETAIL

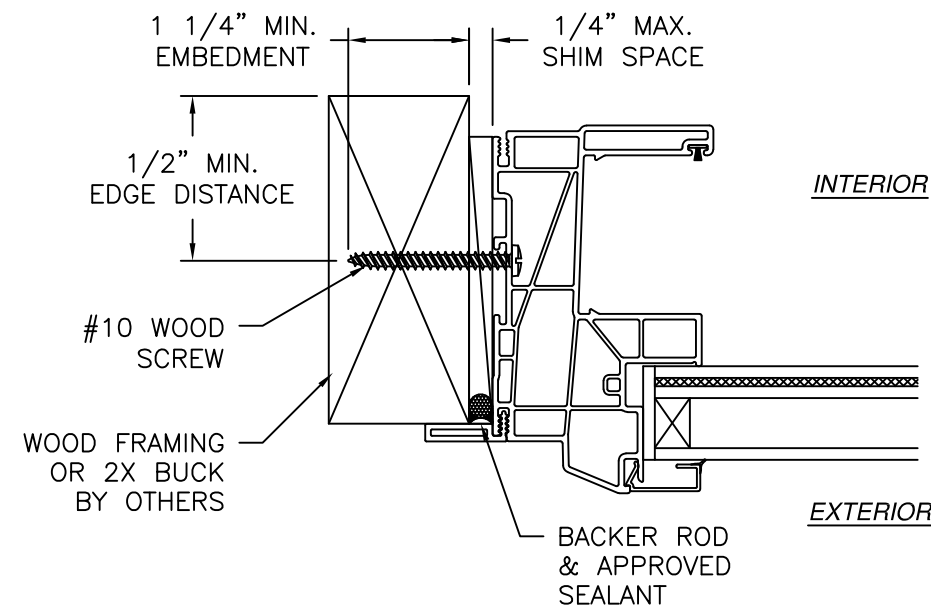
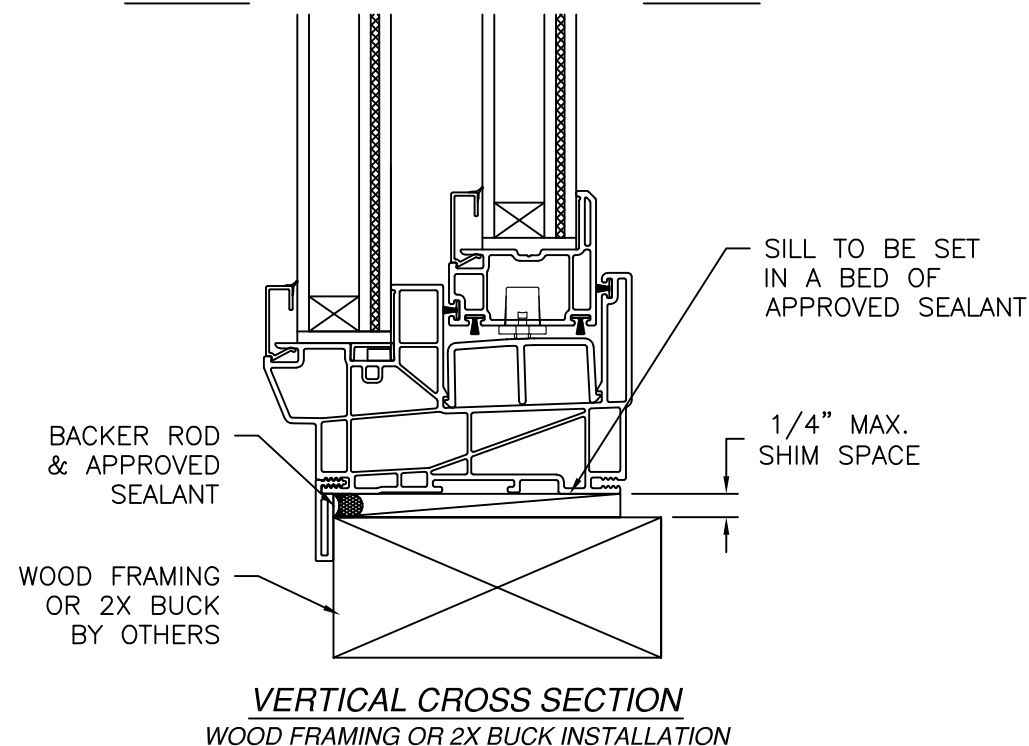
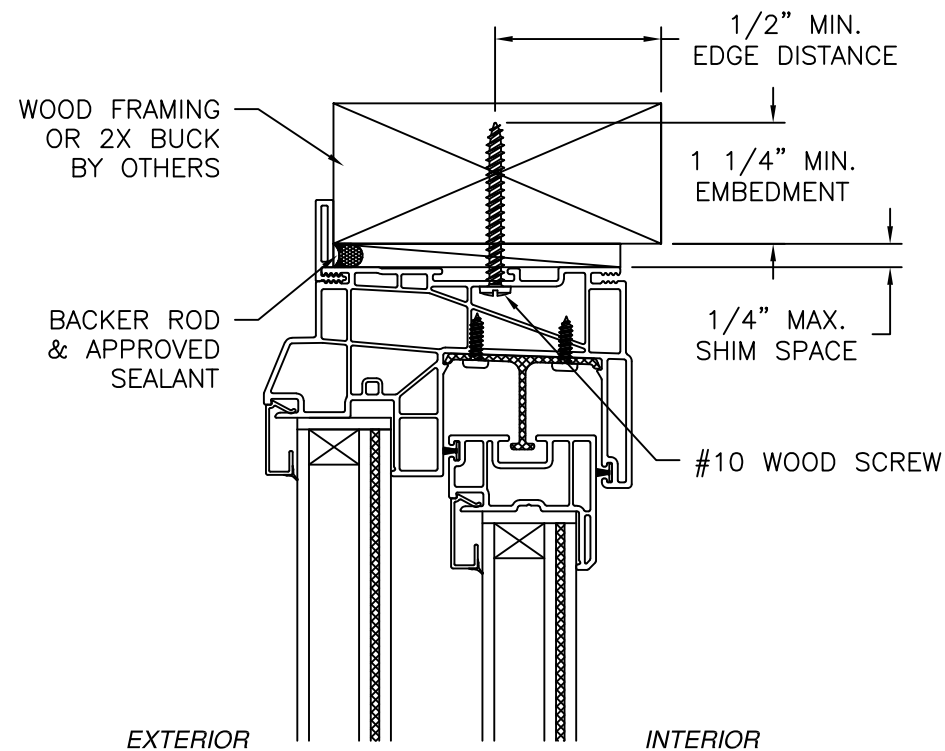
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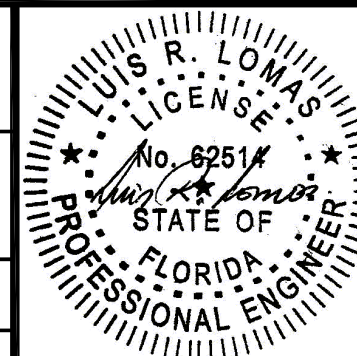


JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

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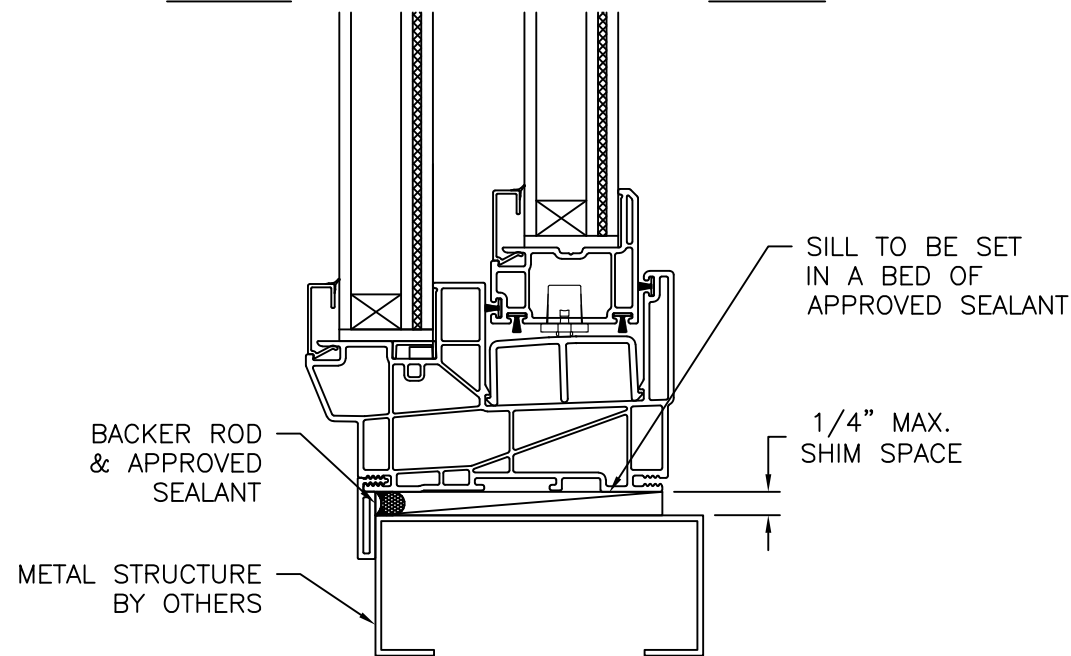
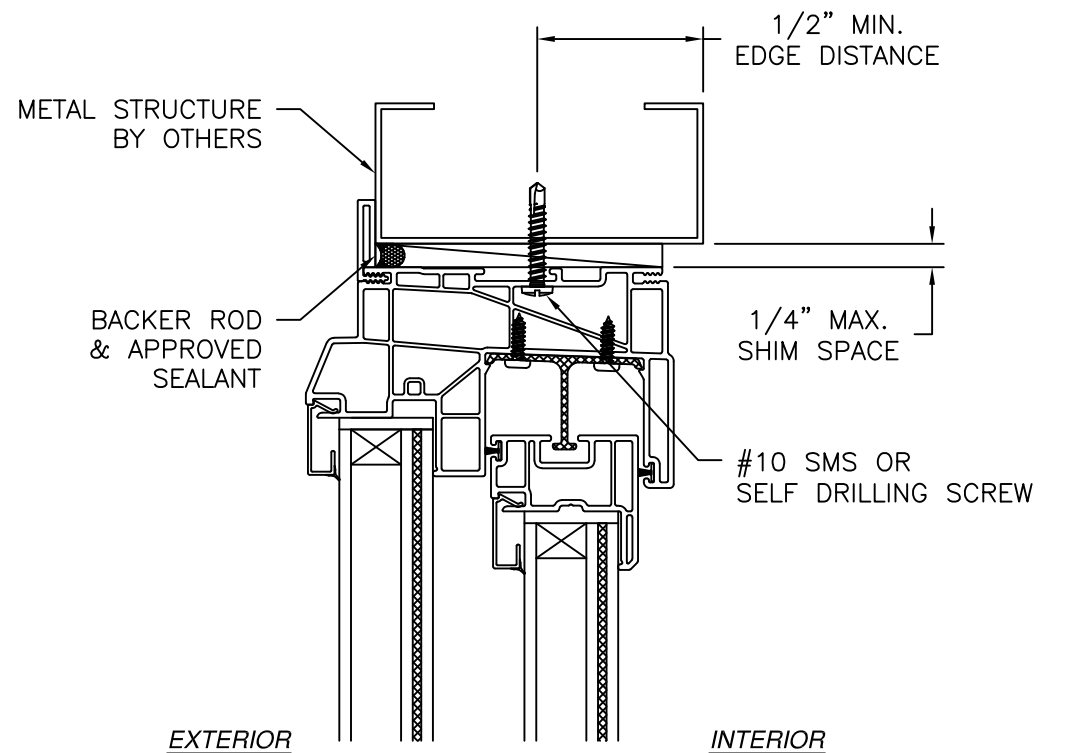
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G140 PVC HORIZONTAL SLIDER WINDOW REINFORCED – IMPACT FLANGE INSTALLATION DETAILS		
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L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

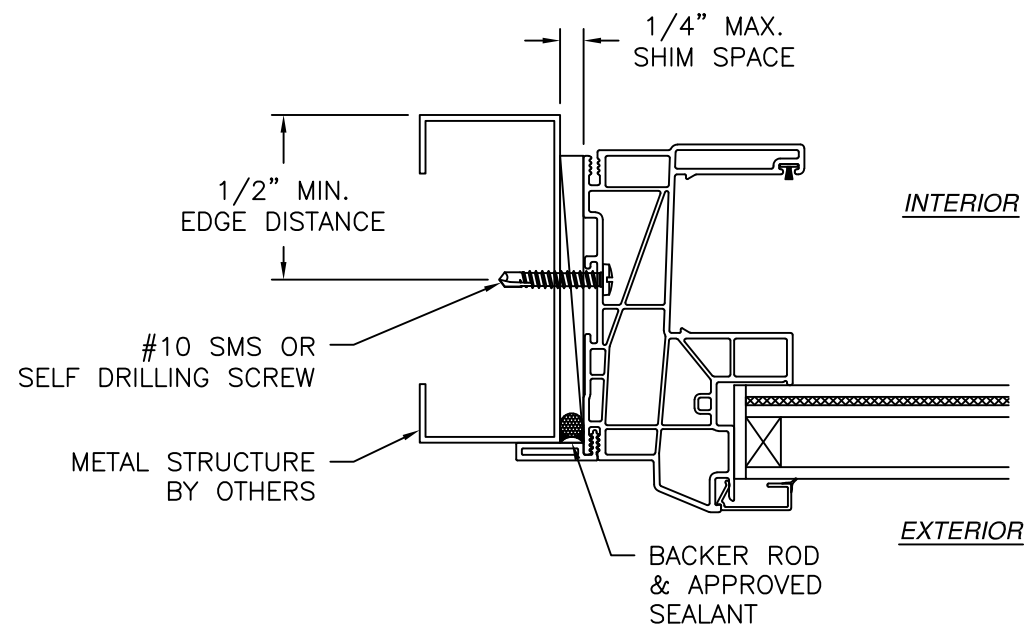


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VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION



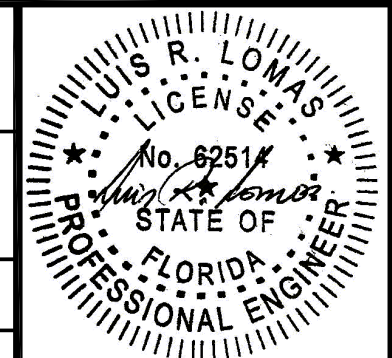
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METAL STRUCTURE INSTALLATION

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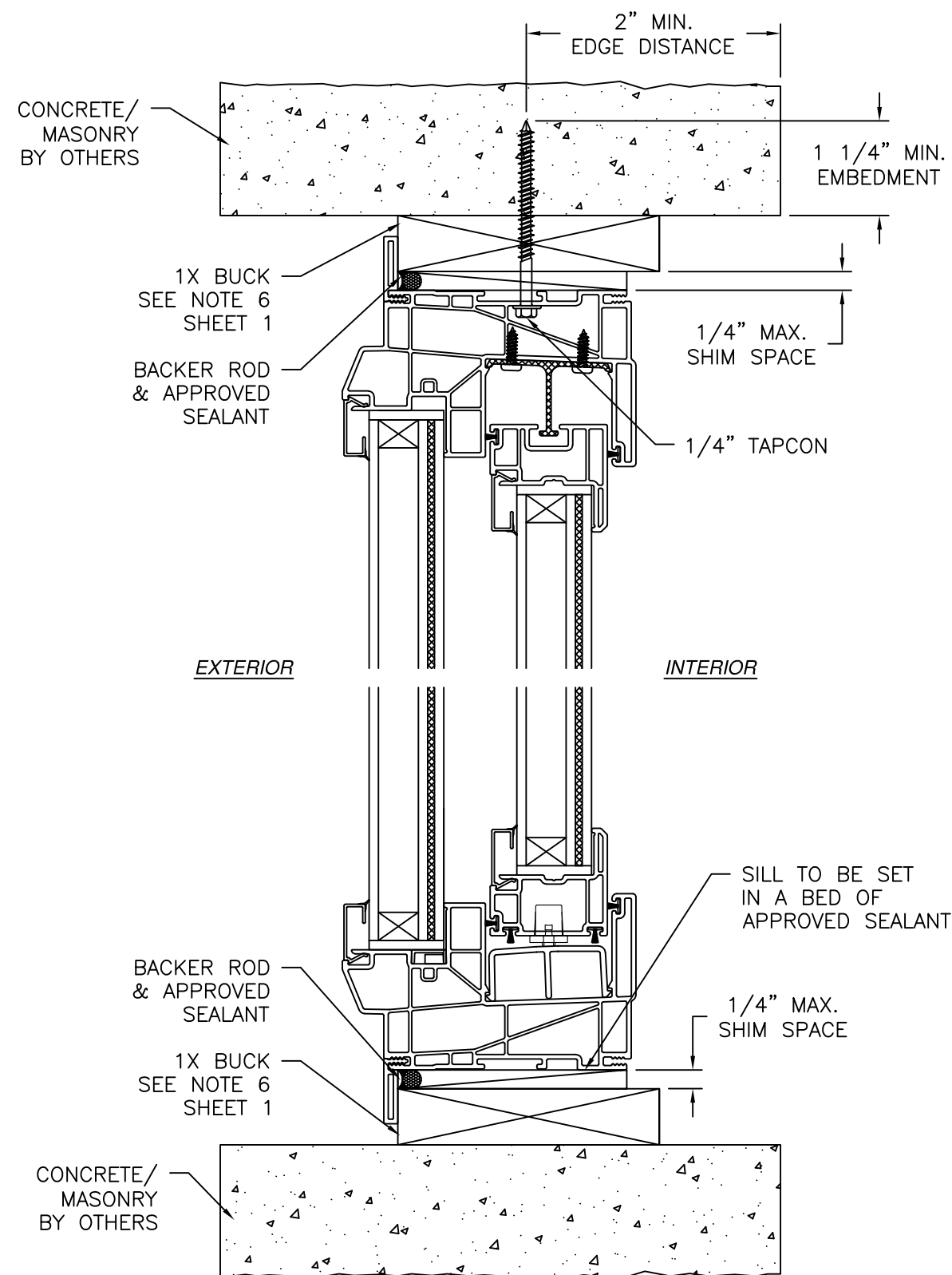
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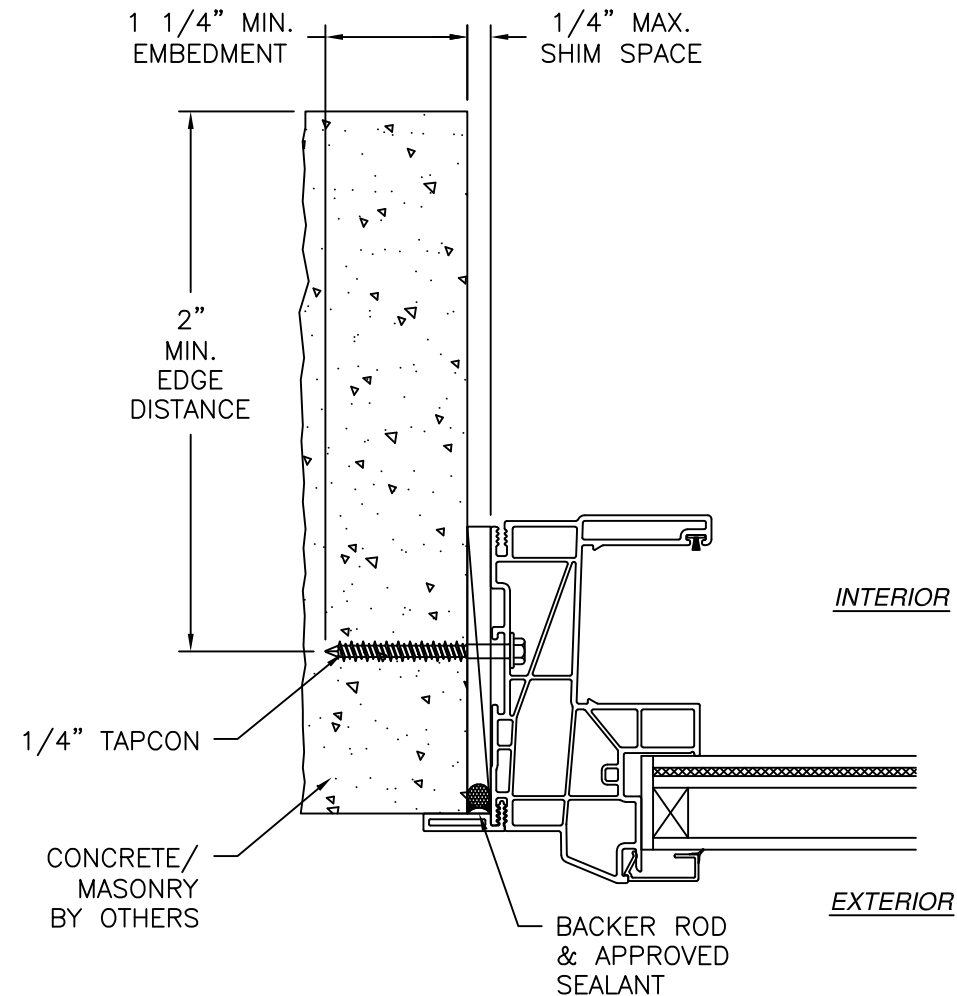


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VERTICAL CROSS SECTION
 CONCRETE/MASONRY WITH 1X BUCK INSTALLATION
 FOR CONCRETE/MASONRY WITHOUT 1X BUCK REFER TO
 JAMB INSTALLATION DETAIL

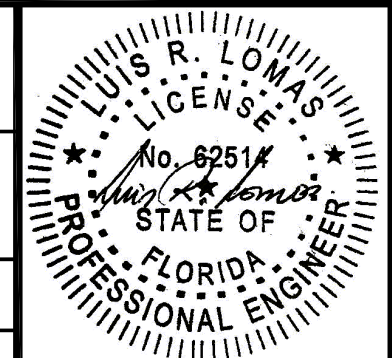


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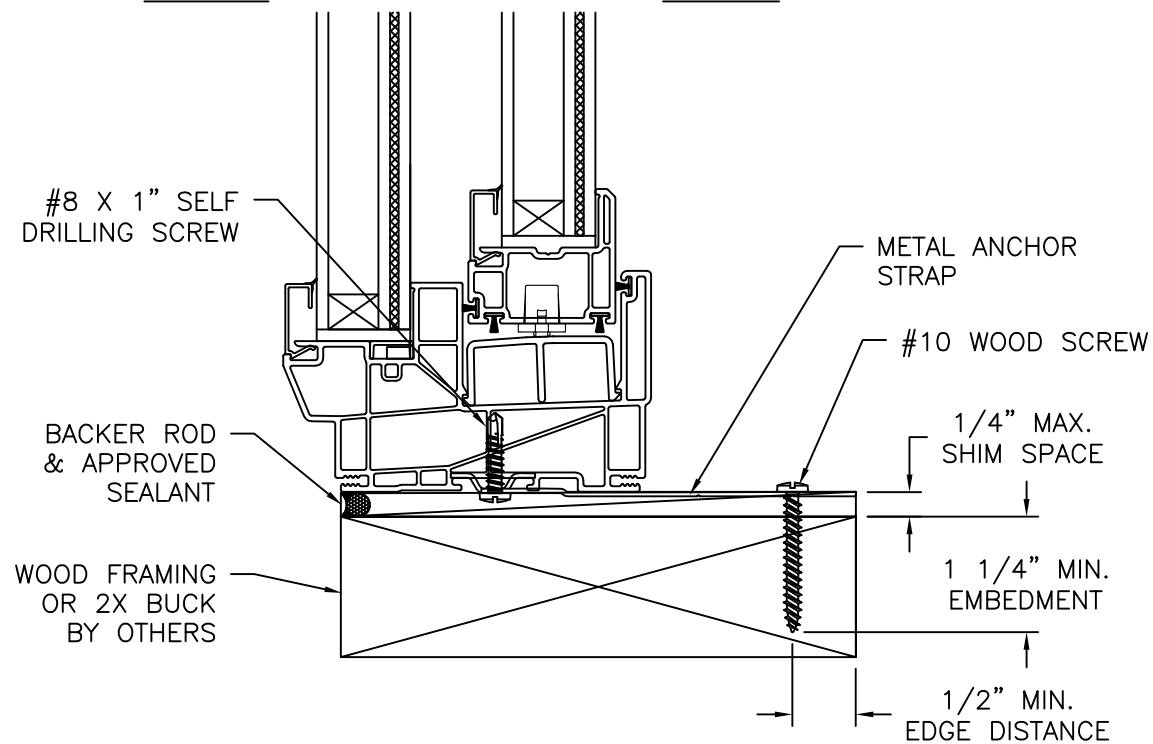
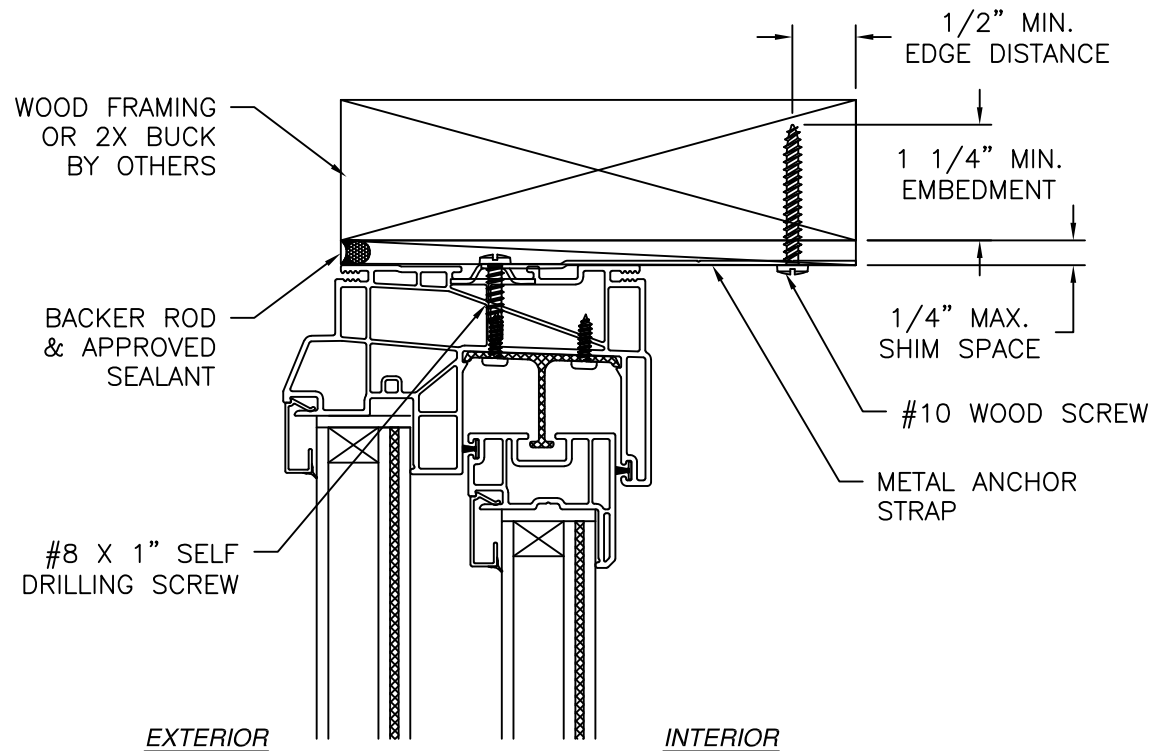
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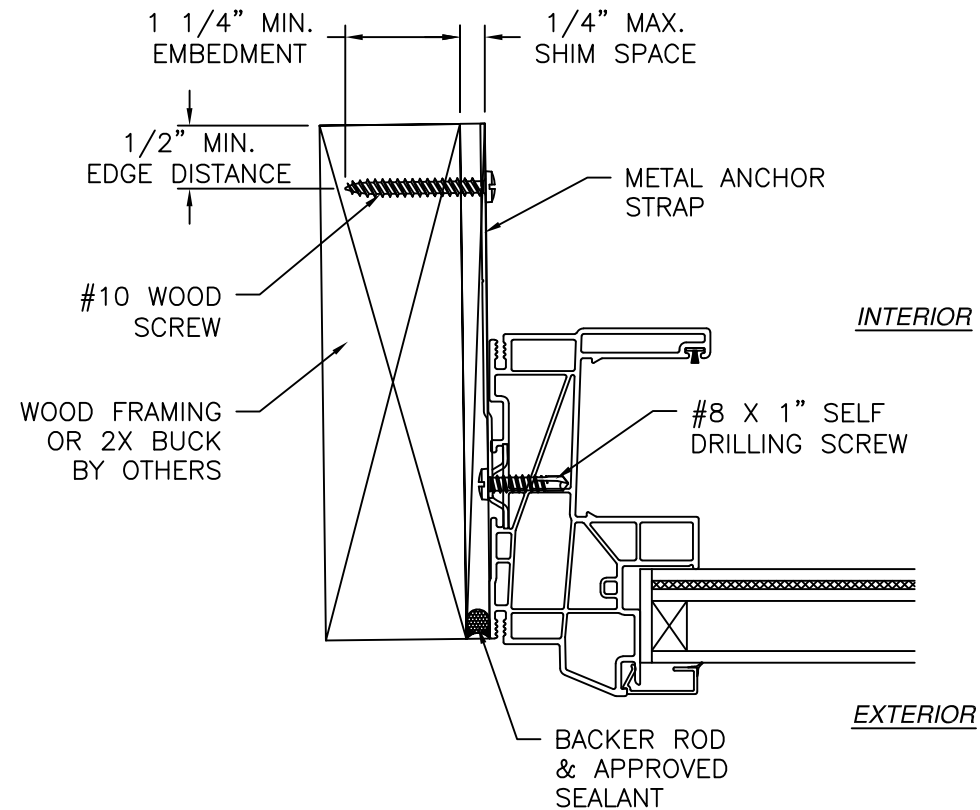


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VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION

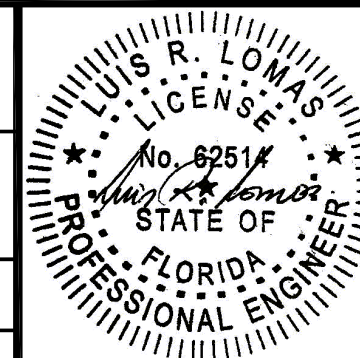


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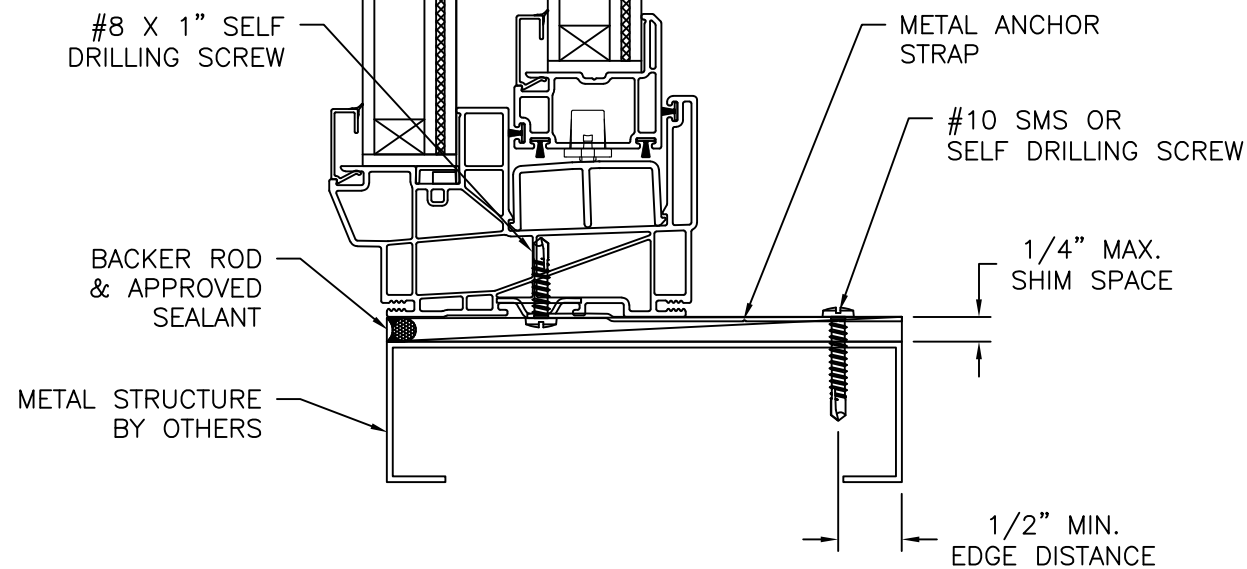
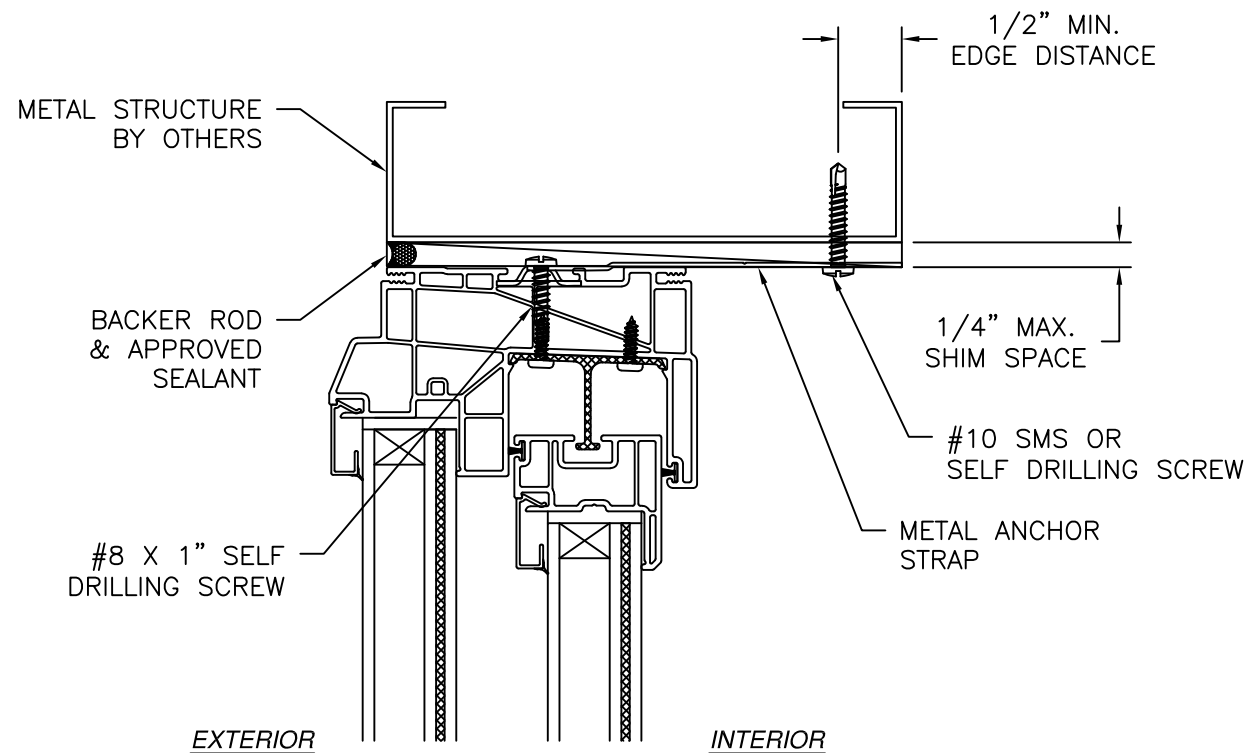
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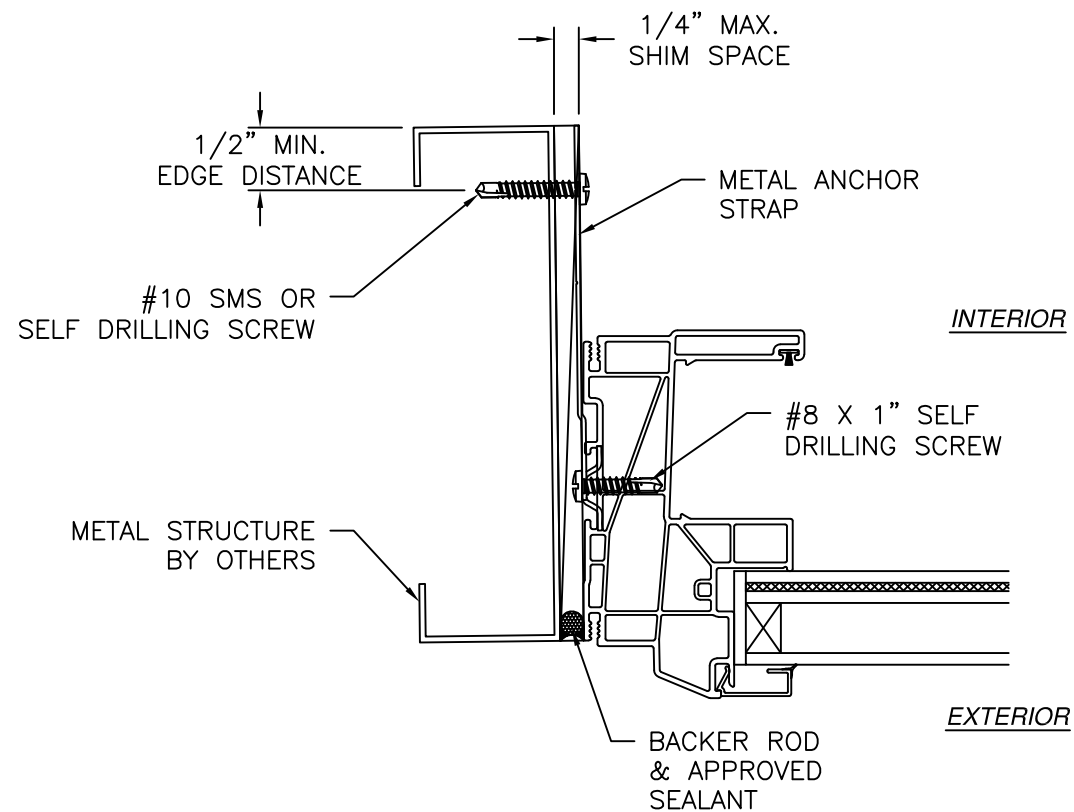


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VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION

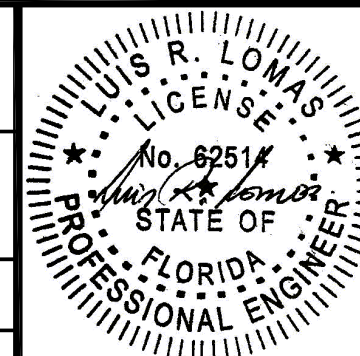


JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION

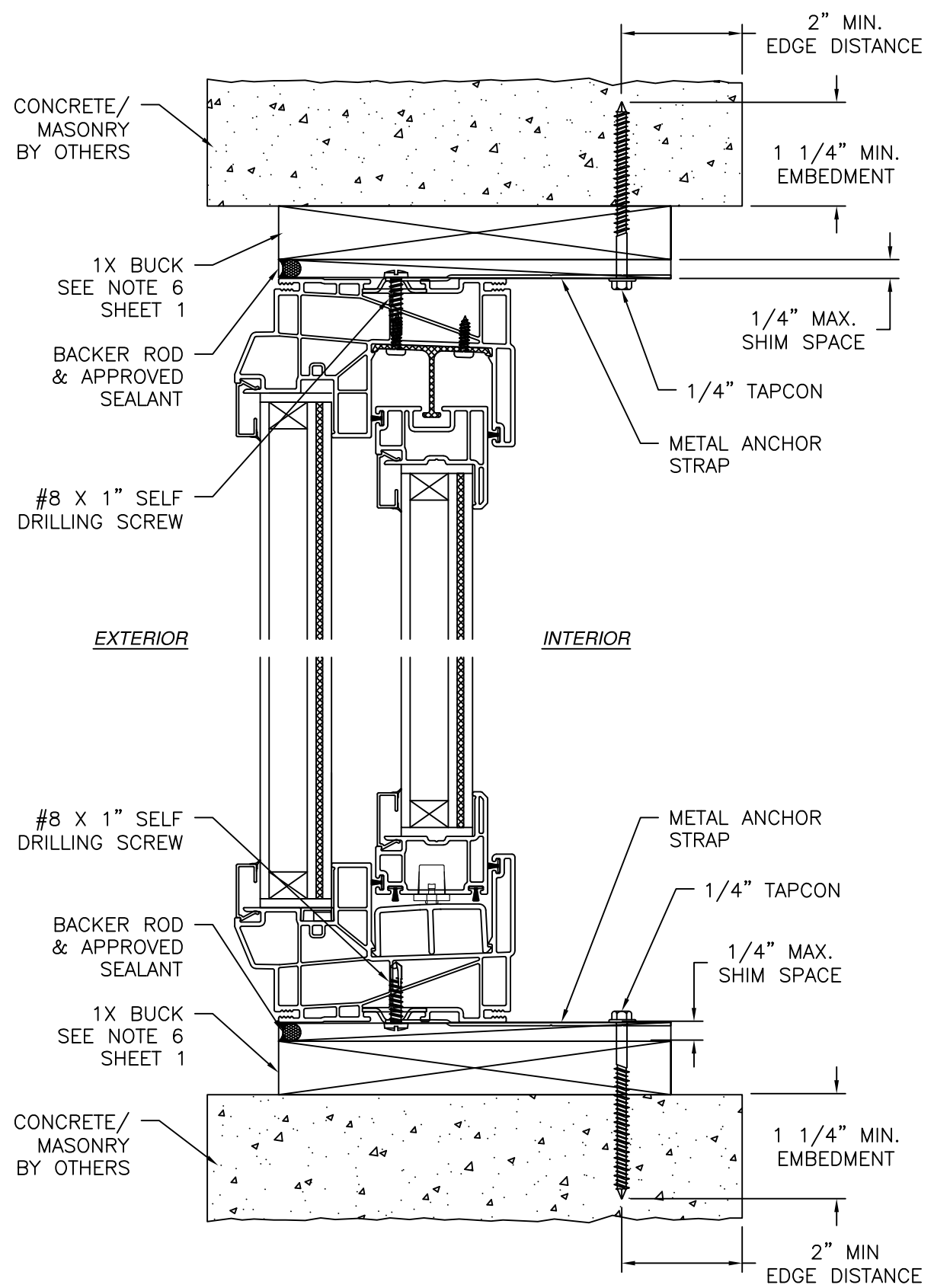
- NOTES:
1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
 2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112

SIGNED: 05/14/2025

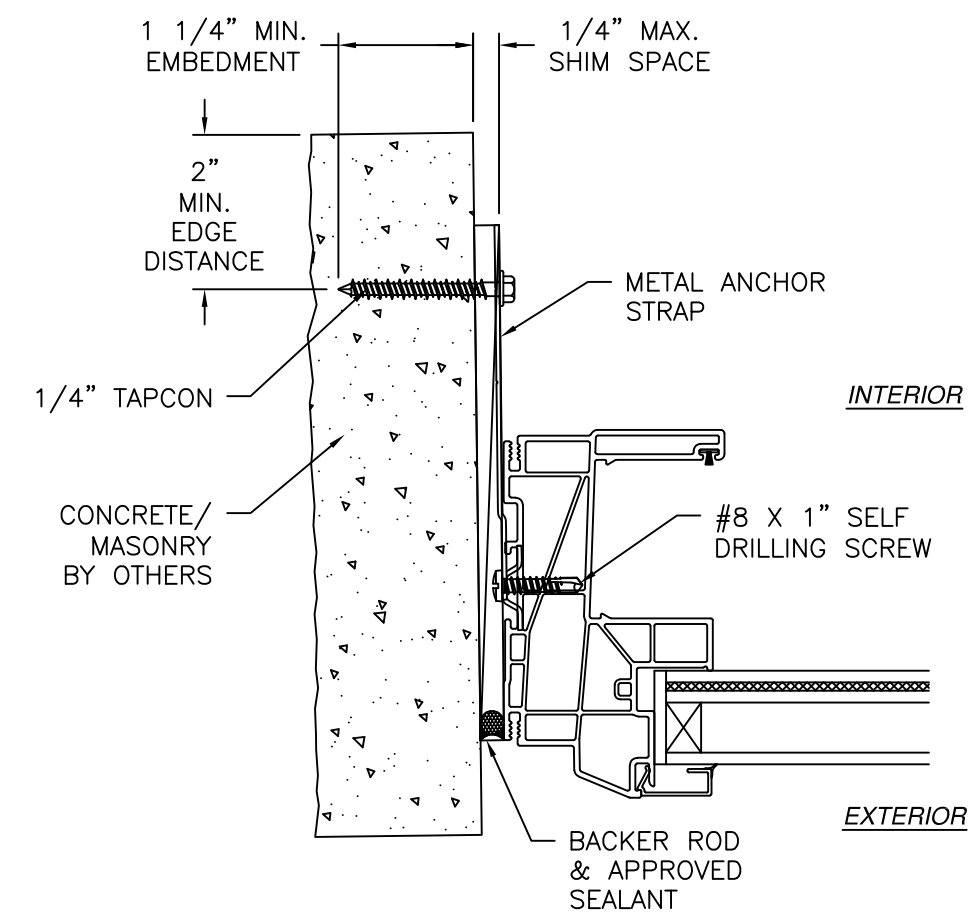
NT WINDOW, INC. 2900 WEST SEMINARY DR. FORT WORTH, TX 76133		
G140 PVC HORIZONTAL SLIDER WINDOW REINFORCED – IMPACT STRAP INSTALLATION DETAILS		
DRAWN: A.R.	DWG NO. 08-04148	REV -
SCALE NTS	DATE 04/30/2025	SHEET 11 OF 15
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@rlomaspe.com		



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



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



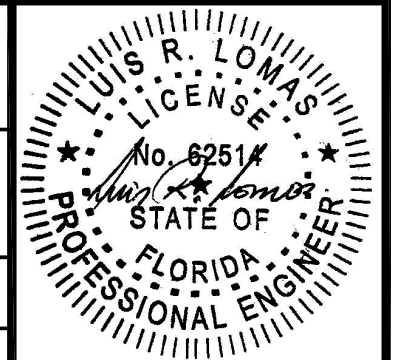
JAMB INSTALLATION DETAIL
 CONCRETE/MASONRY WITHOUT 1X BUCK INSTALLATION
 FOR CONCRETE/MASONRY INSTALLATION WITH 1X BUCK REFER TO
 HEAD AND SILL INSTALLATION DETAILS

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REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

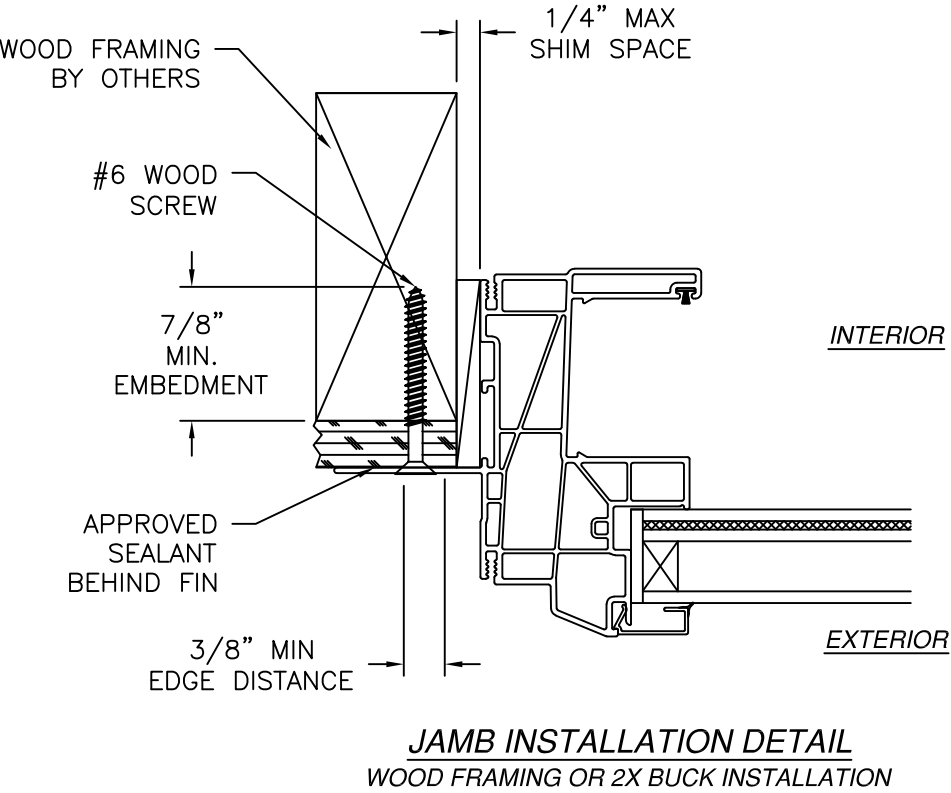
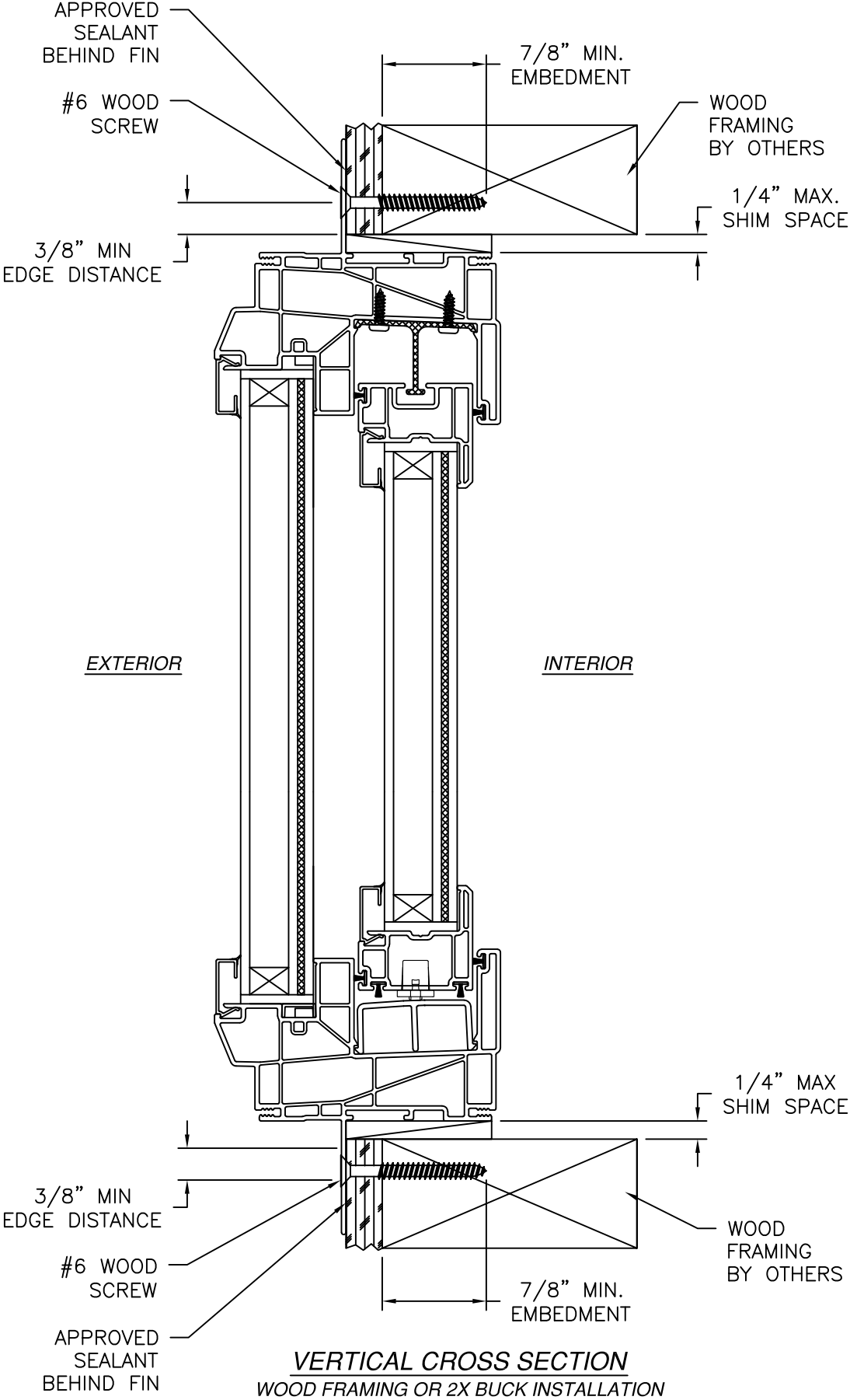
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FORT WORTH, TX 76133

G140 PVC HORIZONTAL SLIDER WINDOW
REINFORCED – IMPACT
FIN INSTALLATION DETAILS

DRAWN:
A.R.

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08-04148

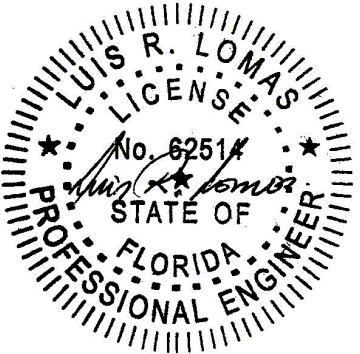
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SCALE
NTS

DATE
04/30/2025

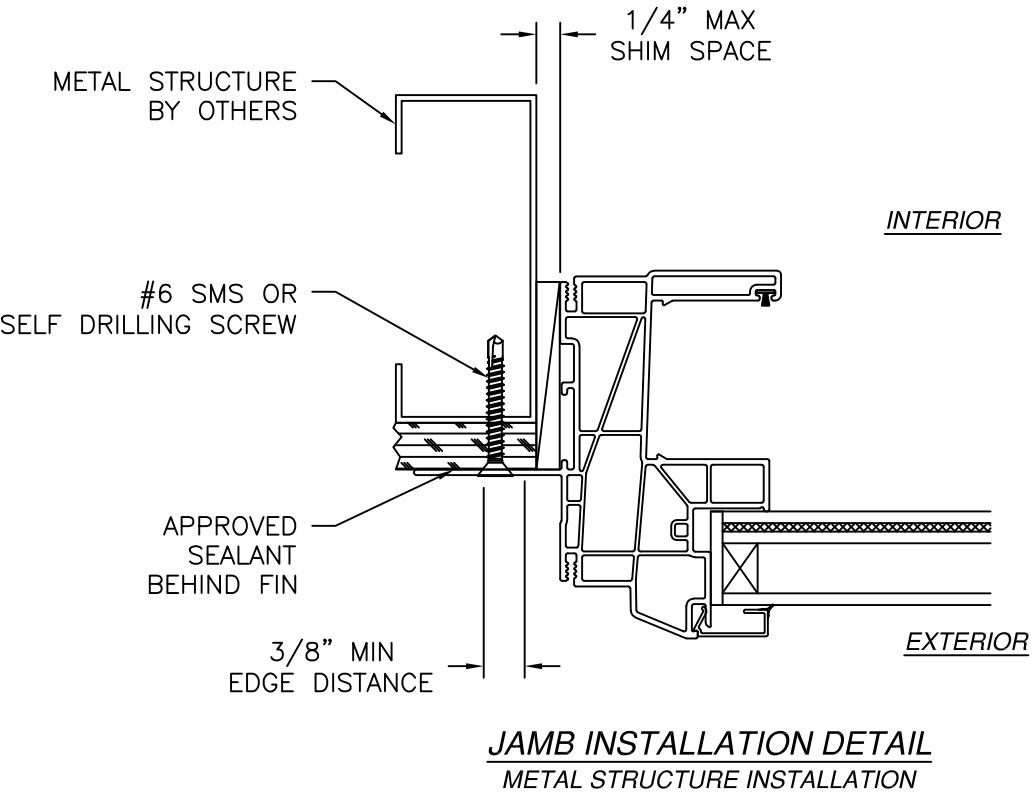
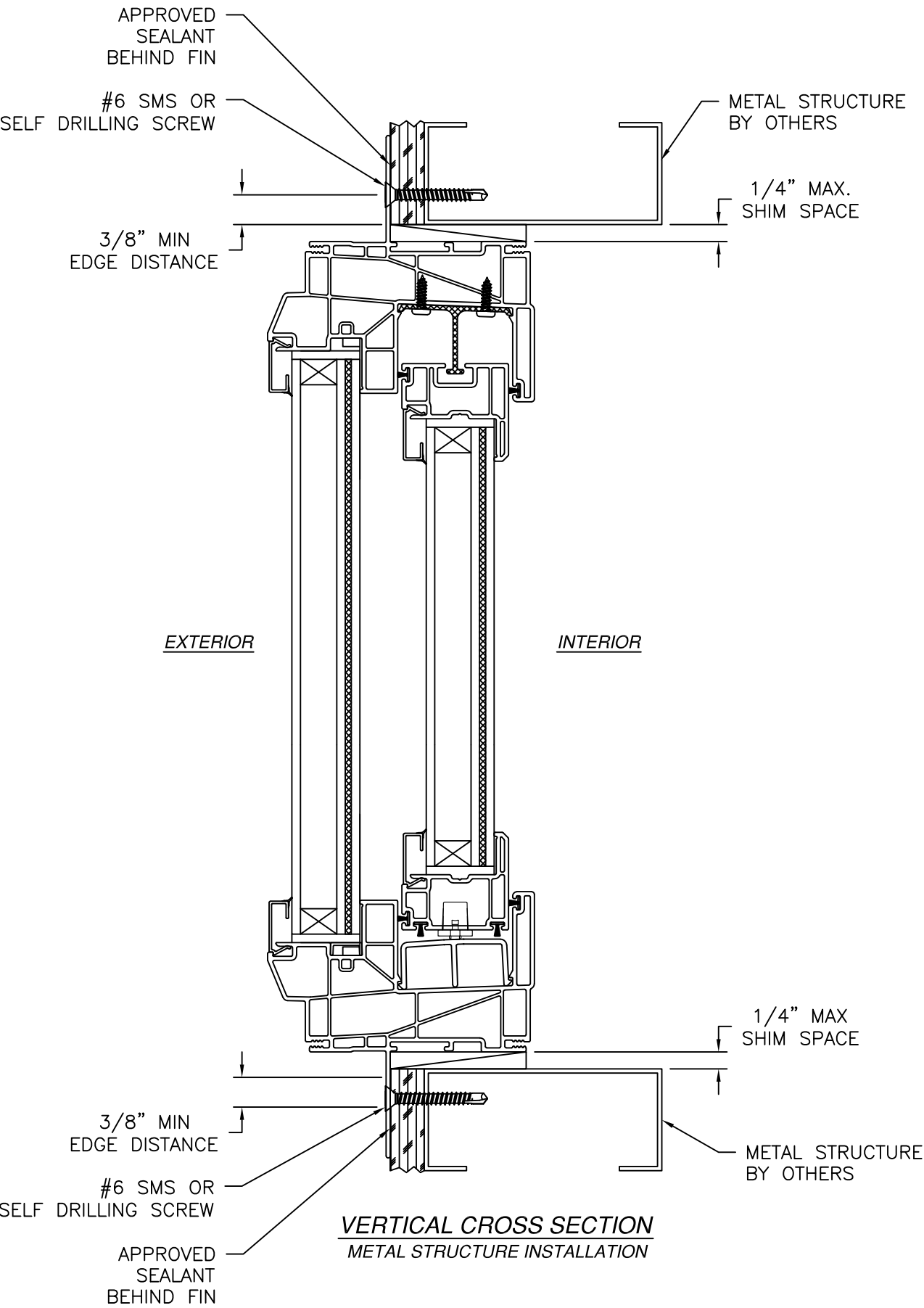
SHEET
13 OF 15

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208 7th Ave, INDIALANTIC, FL 32903
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REVISIONS			
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G140 PVC HORIZONTAL SLIDER WINDOW
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FIN INSTALLATION DETAILS

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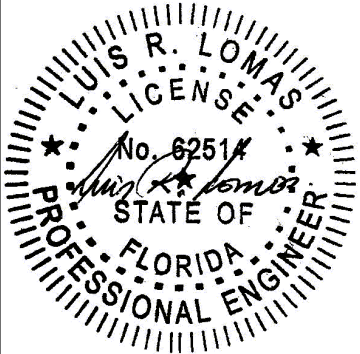
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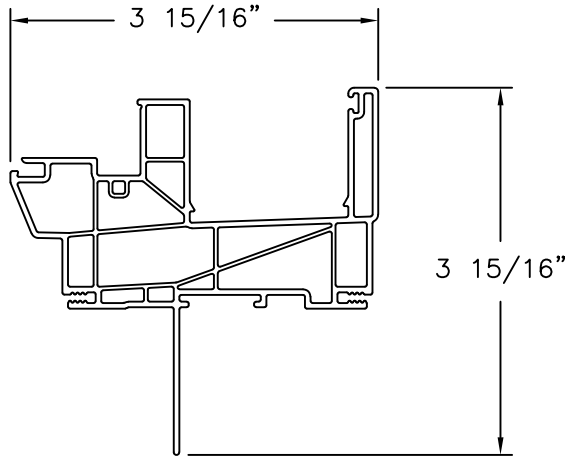
SHEET
14 OF 15

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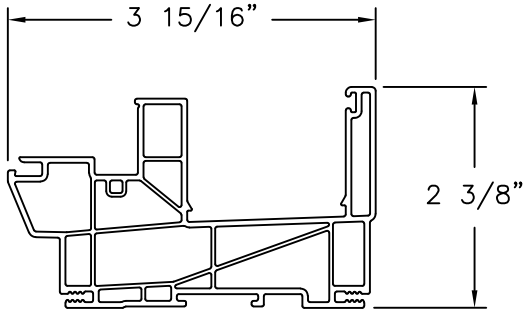


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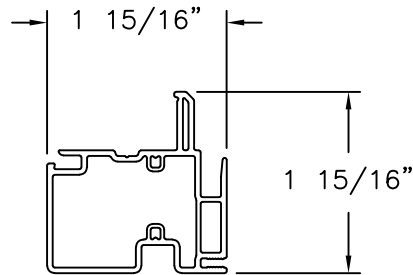
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED



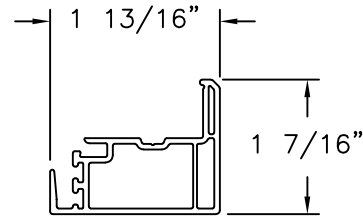
MAIN FRAME (1854)
EXTRUDED PVC



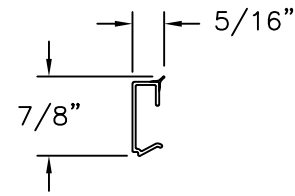
MAIN FRAME (1834)
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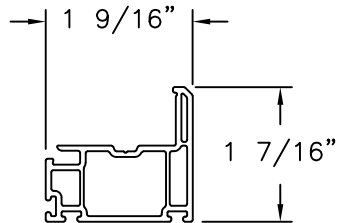
FIXED MEETING STILE (1837)
EXTRUDED PVC



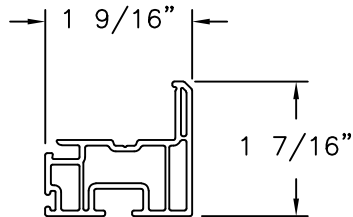
LOCK STILE (1806)
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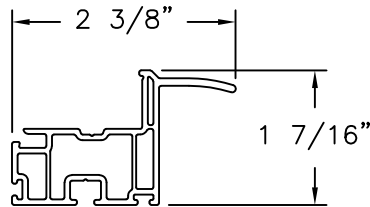
GLAZING BEAD (836B)
EXTRUDED PVC



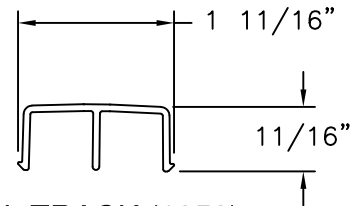
BOTTOM RAIL (1808)
EXTRUDED PVC



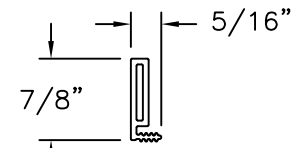
TOP RAIL (1879)
EXTRUDED PVC



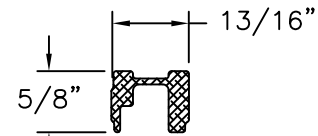
STILE (1805)
EXTRUDED PVC



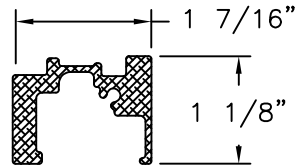
SILL TRACK (1858)
EXTRUDED PVC



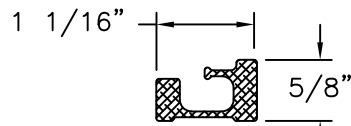
FLANGE
EXTRUDED PVC



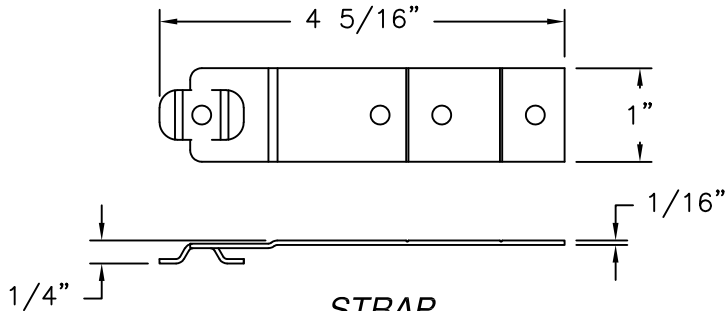
REINFORCEMENT (16579)
ALUMINUM 6063-T5



REINFORCEMENT (16943)
ALUMINUM 6063-T5



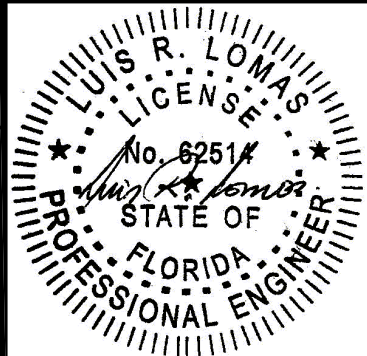
REINFORCEMENT (16582)
ALUMINUM 6063-T5



STRAP
18GA STEEL

NT WINDOW, INC. 2900 WEST SEMINARY DR. FORT WORTH, TX 76133		
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