

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 STRUCTURE 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 #8 WOOD SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE A 5/8” MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
14. FOR ANCHORING THROUGH FIN INTO METAL STRUCTURE USE #8 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 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 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 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:

19.1. WOOD: MINIMUM SPECIFIC GRAVITY OF G=0.42

19.2. CONCRETE: MINIMUM COMPRESSIVE STRENGTH OF 2,000 PSI.

19.3. MASONRY: HOLLOW/FILLED BLOCK PER ASTM C90 WITH Fm=2,000PSI MINIMUM.

19.4. METAL STRUCTURE: STEEL 18GA (.048”) FY=33KSI/FU=52KSI OR ALUMINUM 6063–T5 FU=30KSI 1/8” THICK MINIMUM

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2	ELEVATIONS
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SLOCOMB WINDOWS AND DOORS, INC.

767 SANS SOUCI PARKWAY
WILKES–BARRE, PA 18706

650 HS HORIZONTAL SLIDER WINDOW
IMPACT
NOTES

DRAWN:
A.R.

DWG NO.
08–04001

REV
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SCALE NTS

DATE 01/25/2024

SHEET 1 OF 12

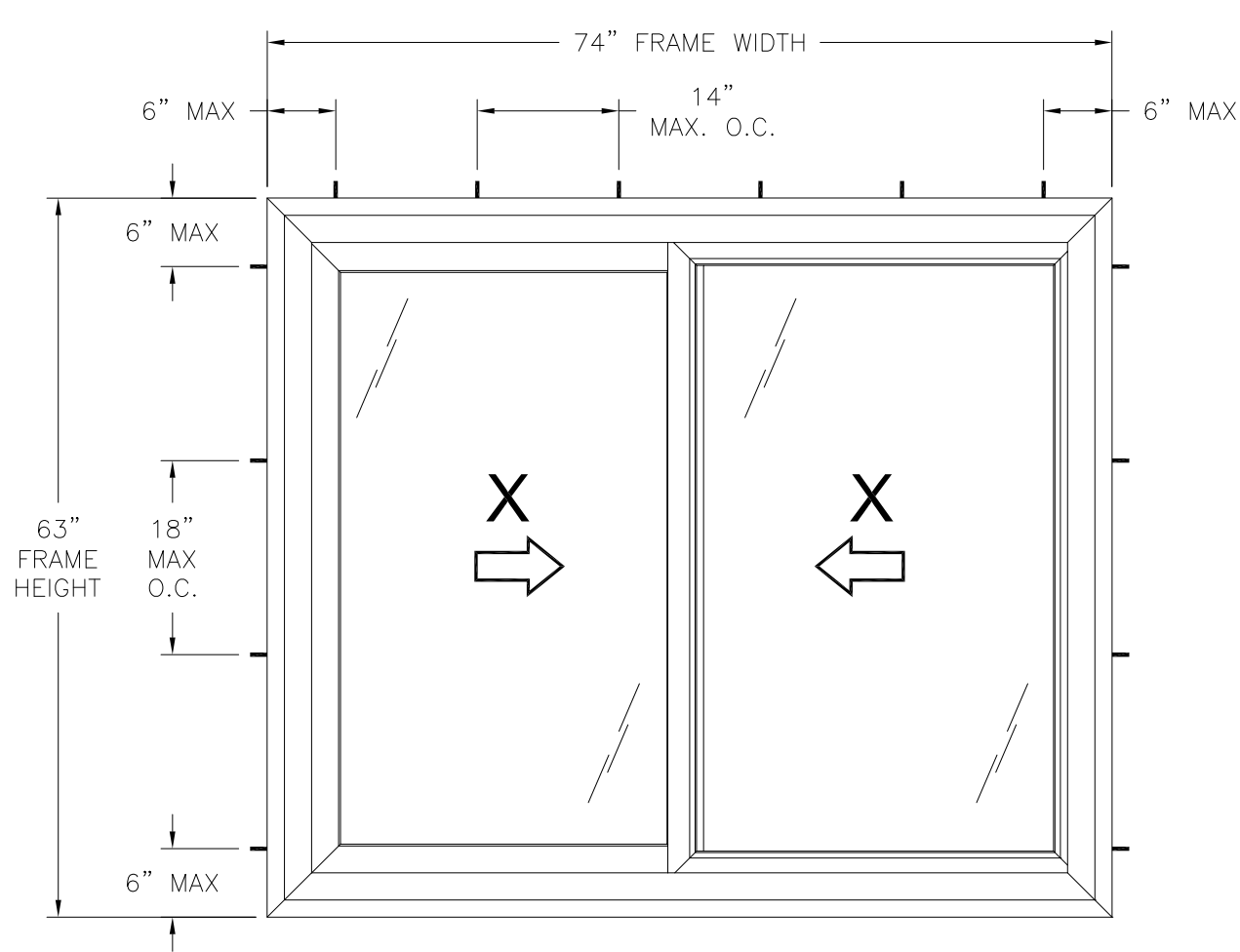
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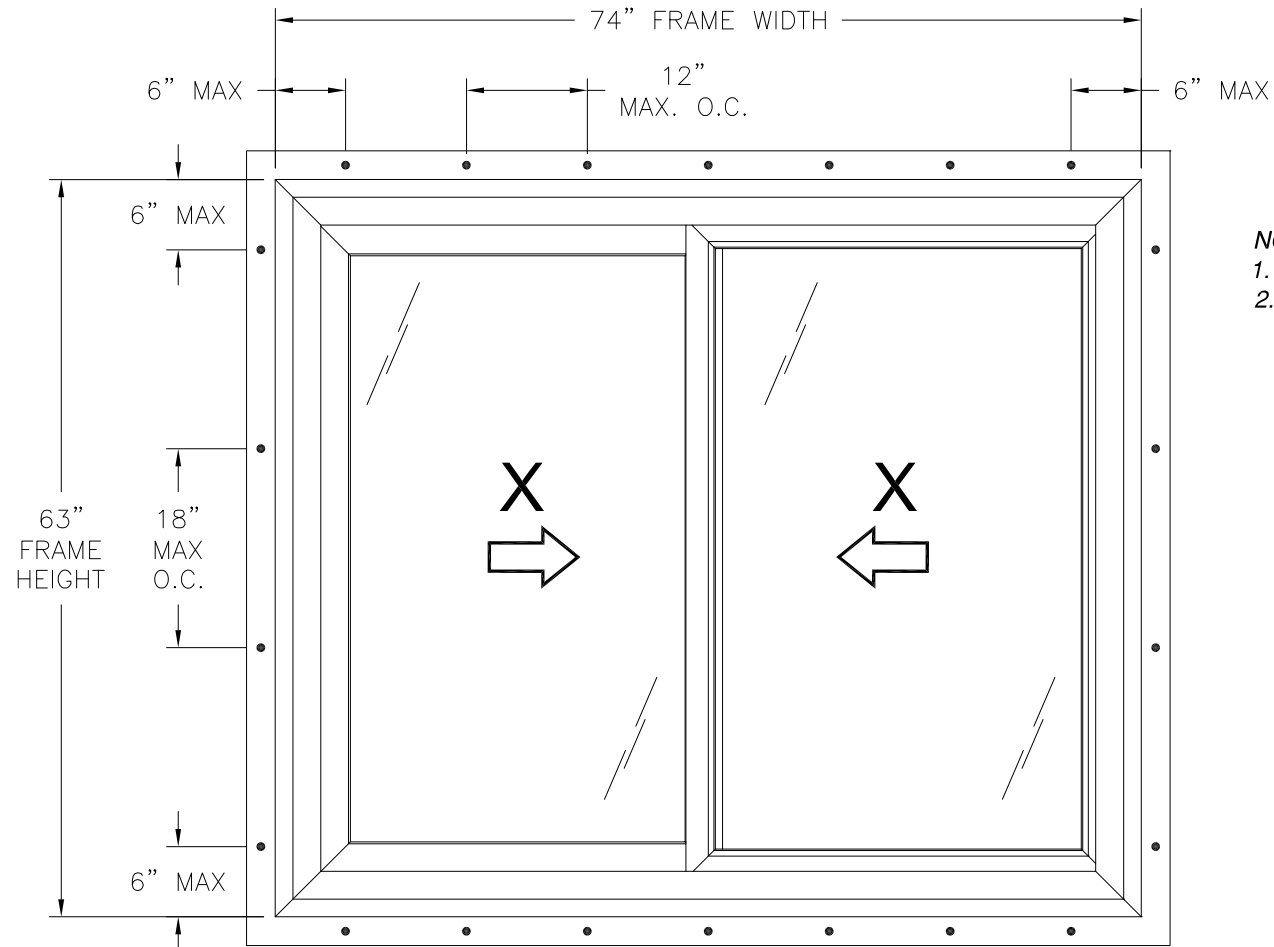


Luis R. Lomas P.E.
FL No.: 62514

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650 HS HORIZONTAL SLIDING WINDOW
EXTERIOR VIEW
FINLESS AND FLANGE INSTALLATION



650 HS HORIZONTAL SLIDING WINDOW
EXTERIOR VIEW
FIN INSTALLATION

- NOTES:**
- SASH SIZE: 35 5/8" X 58 3/8"
 - D.L.O.: 32 1/2" X 52 3/4"

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

MISSILE LEVEL D, WIND ZONE 3
FOR ADDITIONAL SIZES SEE CHART #1, SHEET 3

HARDWARE SCHEDULE

A.	(2) METAL CAM LOCK WITH KEEPER, 8" FROM EACH END OF EXTERIOR MEETING STILE
B.	(4) DUAL STEEL ROLLER ASSEMBLY AT EACH END OF BOTTOM RAILS
C.	ALUMINUM REINFORCEMENT (10300266) AT LOCK STILE, TOP AND BOTTOM RAILS
D.	ALUMINUM REINFORCEMENT (10300159) AT PULL STILES AND KEEPER STILE

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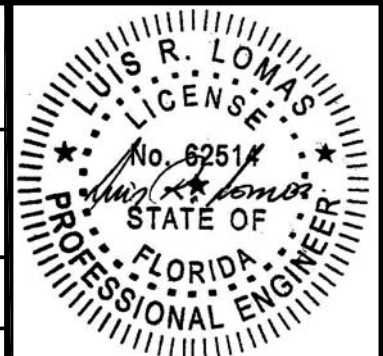
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650 HS HORIZONTAL SLIDER WINDOW
IMPACT
ELEVATIONS

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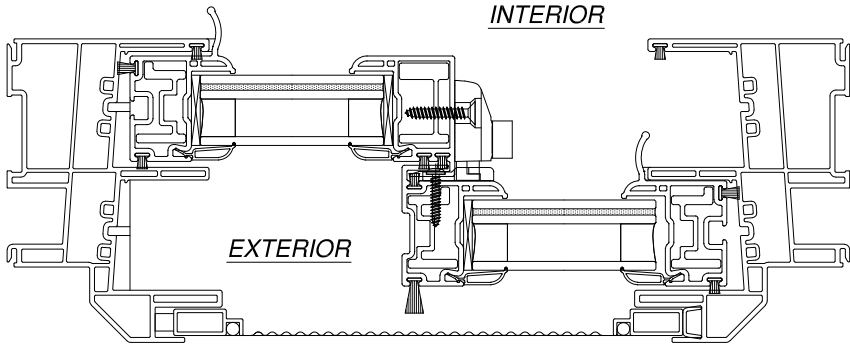
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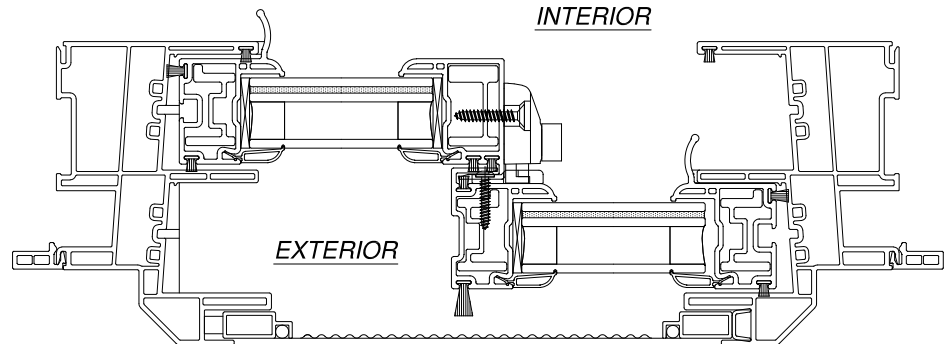


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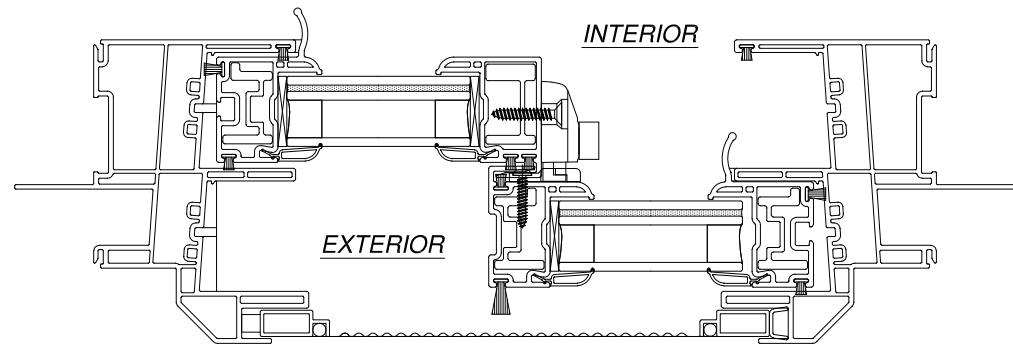
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HORIZONTAL CROSS SECTION
FINLESS FRAME

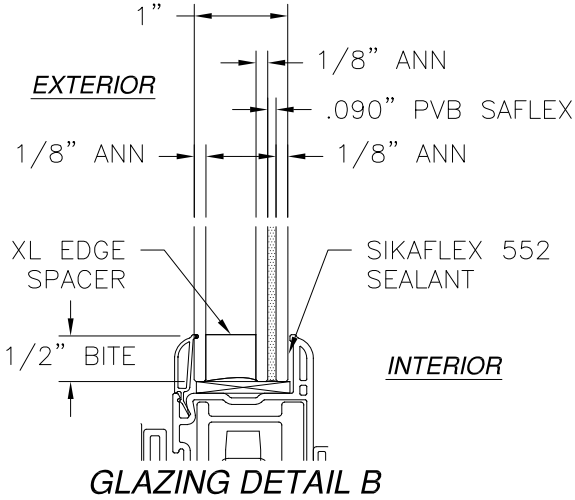
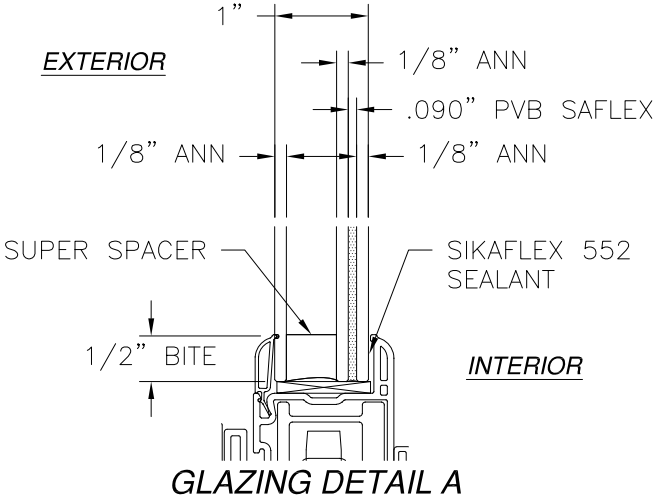


HORIZONTAL CROSS SECTION
FLANGE FRAME



HORIZONTAL CROSS SECTION
FIN FRAME

Chart #1 Ratings (psf)																				
Frame Height (in)	Frame Width (in)																			
	30.0		36.0		42.0		48.0		54.0		60.0		66.0		72.0		74.0		78.0	
	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg
24.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
30.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
36.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
42.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
48.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
54.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
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63.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	-	-
66.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	-	-	-	-	-	-
72.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	46.3	46.3	42.3	42.3	-	-	-	-	-	-	-	-
78.0	50.0	50.0	50.0	50.0	45.6	45.6	40.2	40.2	36.1	36.1	-	-	-	-	-	-	-	-	-	-



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SLOCOMB WINDOWS AND DOORS, INC.
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WILKES-BARRE, PA 18706

650 HS HORIZONTAL SLIDER WINDOW
IMPACT
DP CHART, CROSS SECTIONS AND GLAZING DETAILS

DRAWN:
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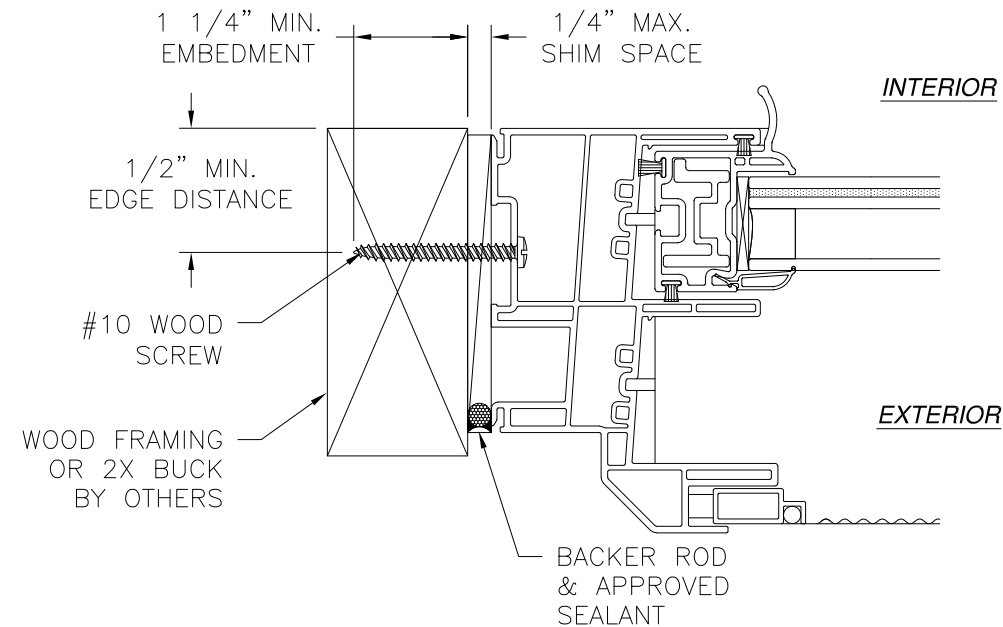
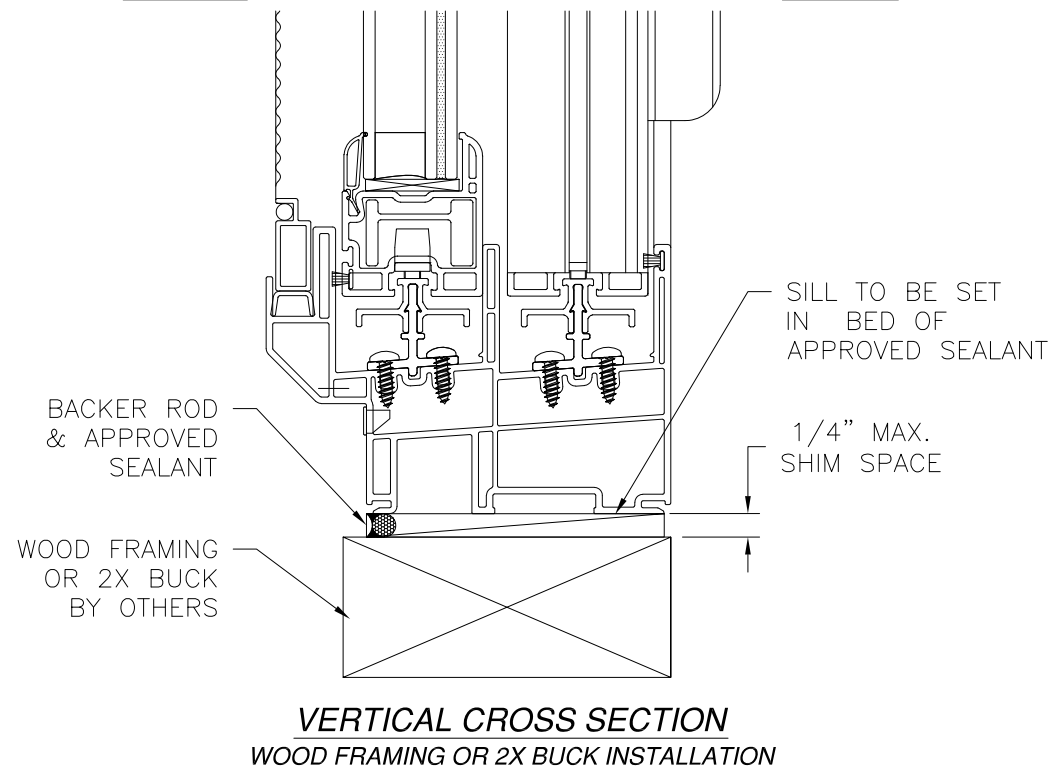
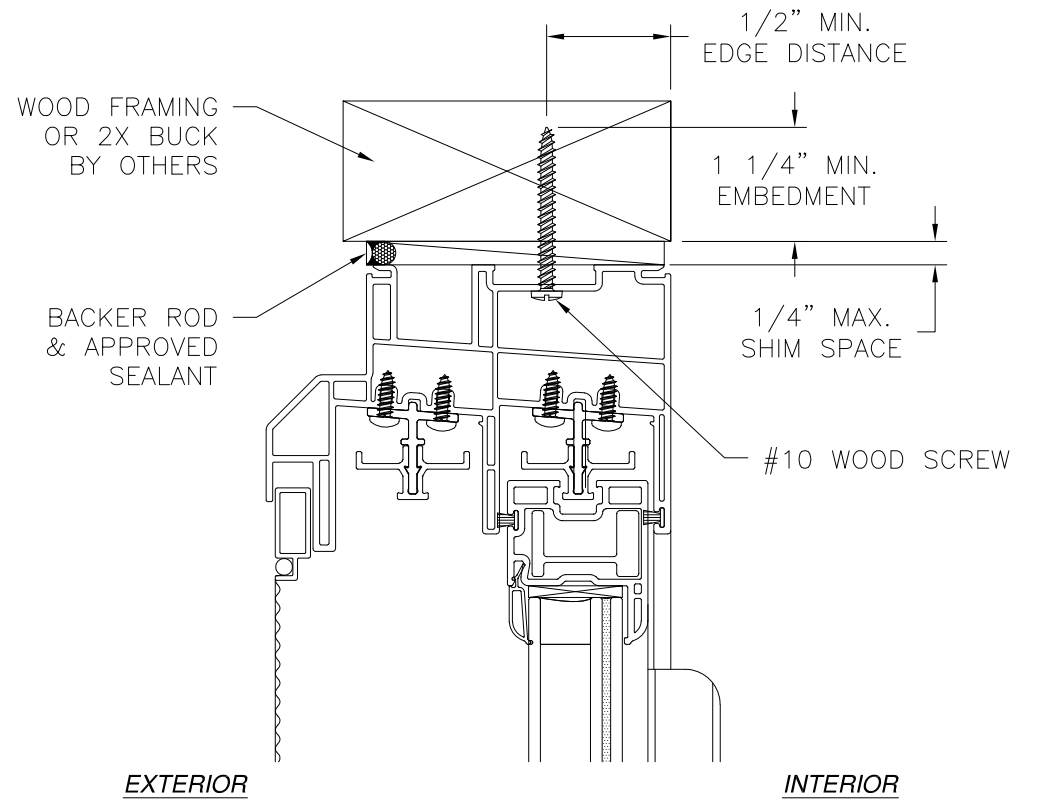
SHEET
3 OF 12

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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

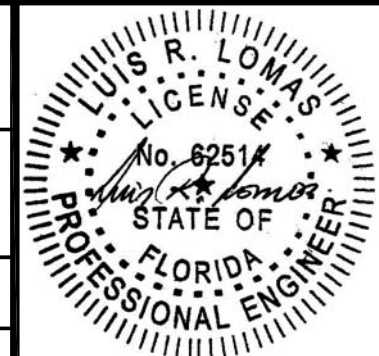
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FINLESS INSTALLATION DETAILS

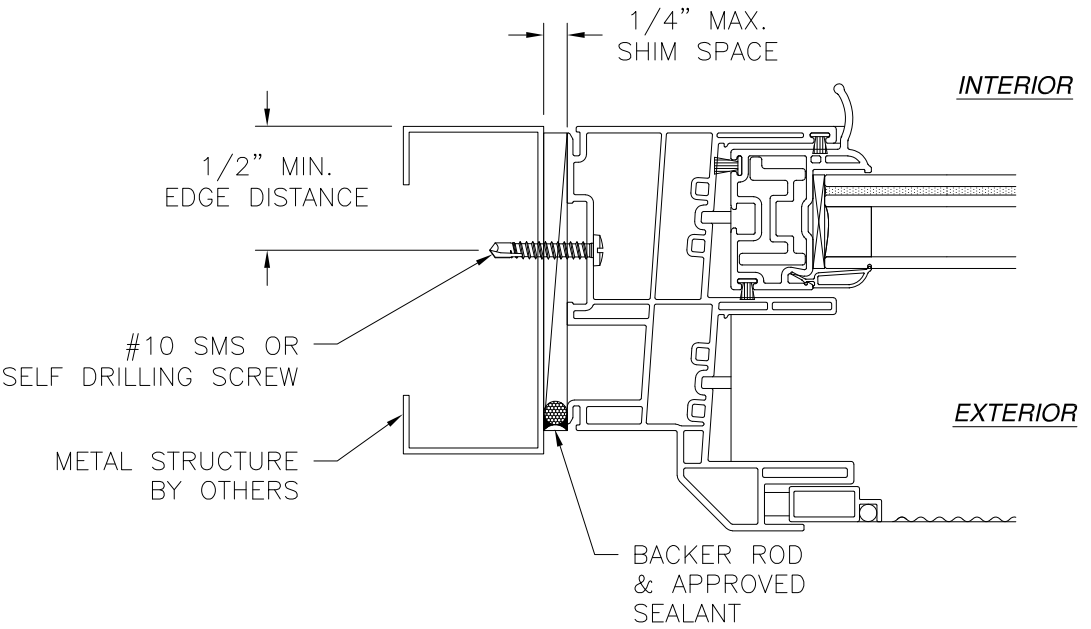
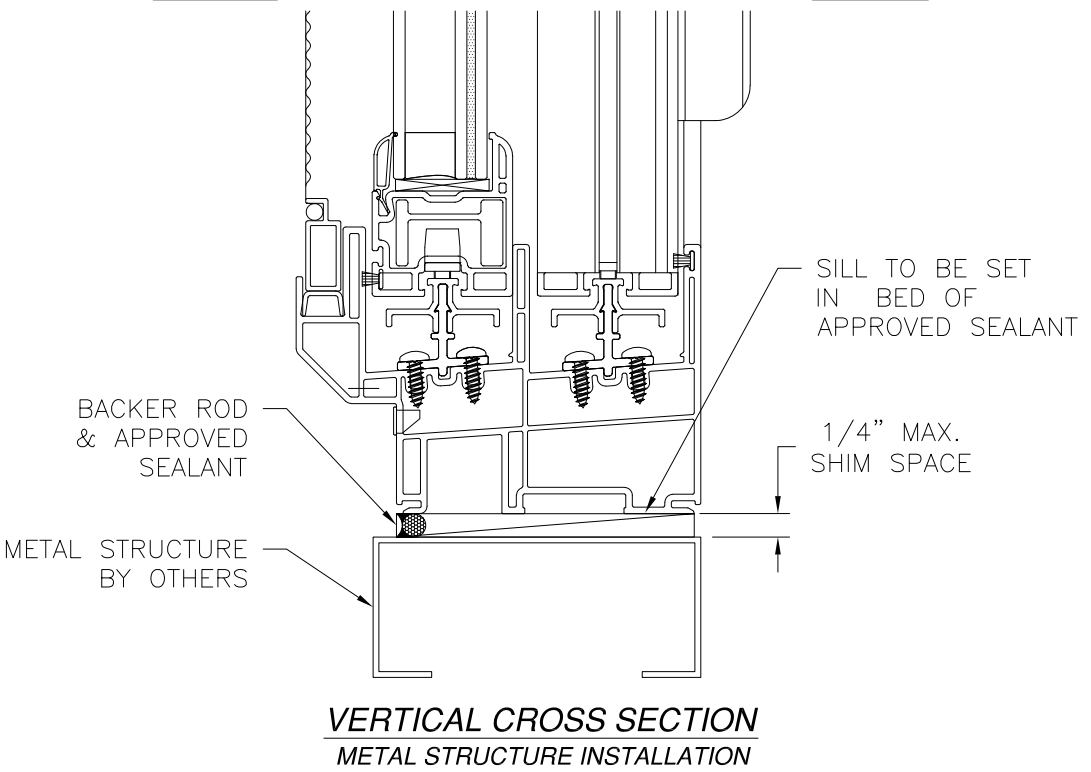
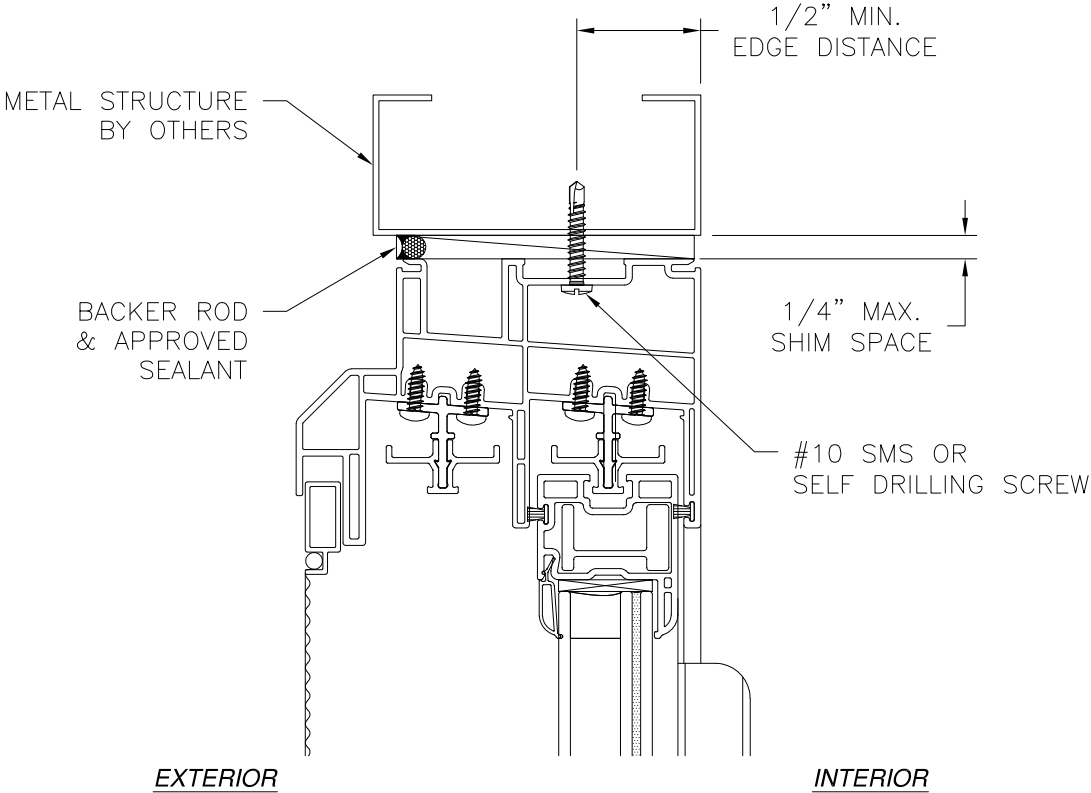
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SCALE NTS	DATE 01/25/2024	SHEET 4 OF 12

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JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION

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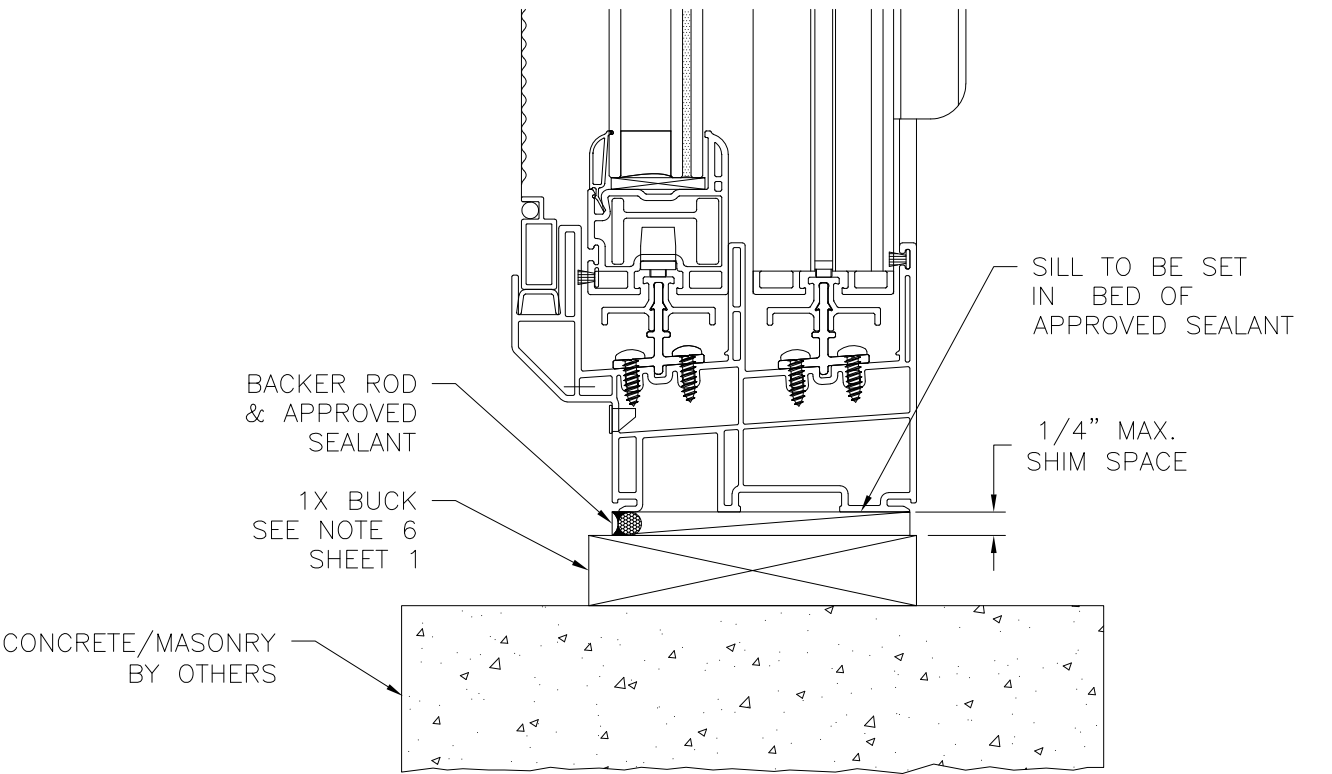
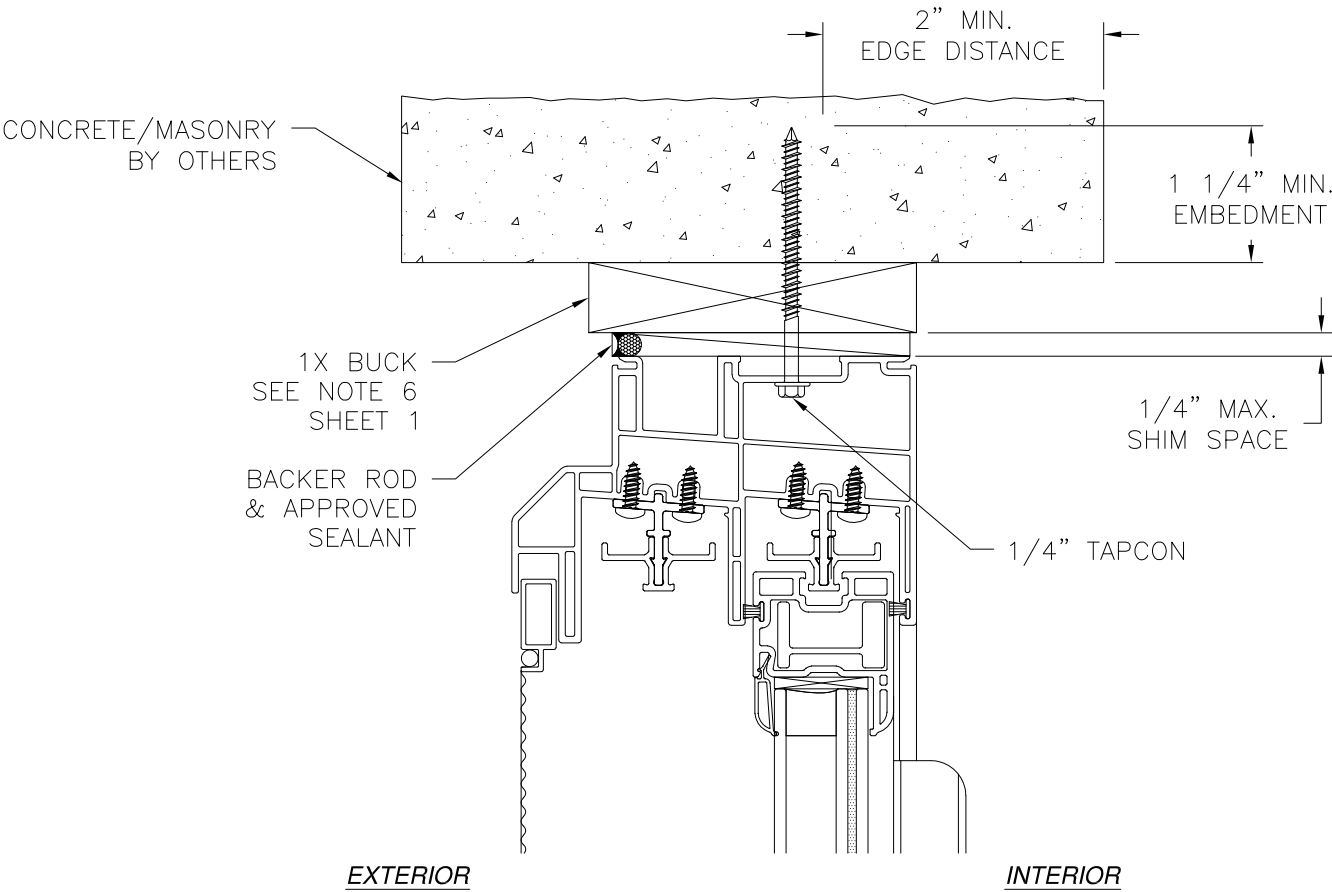
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L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

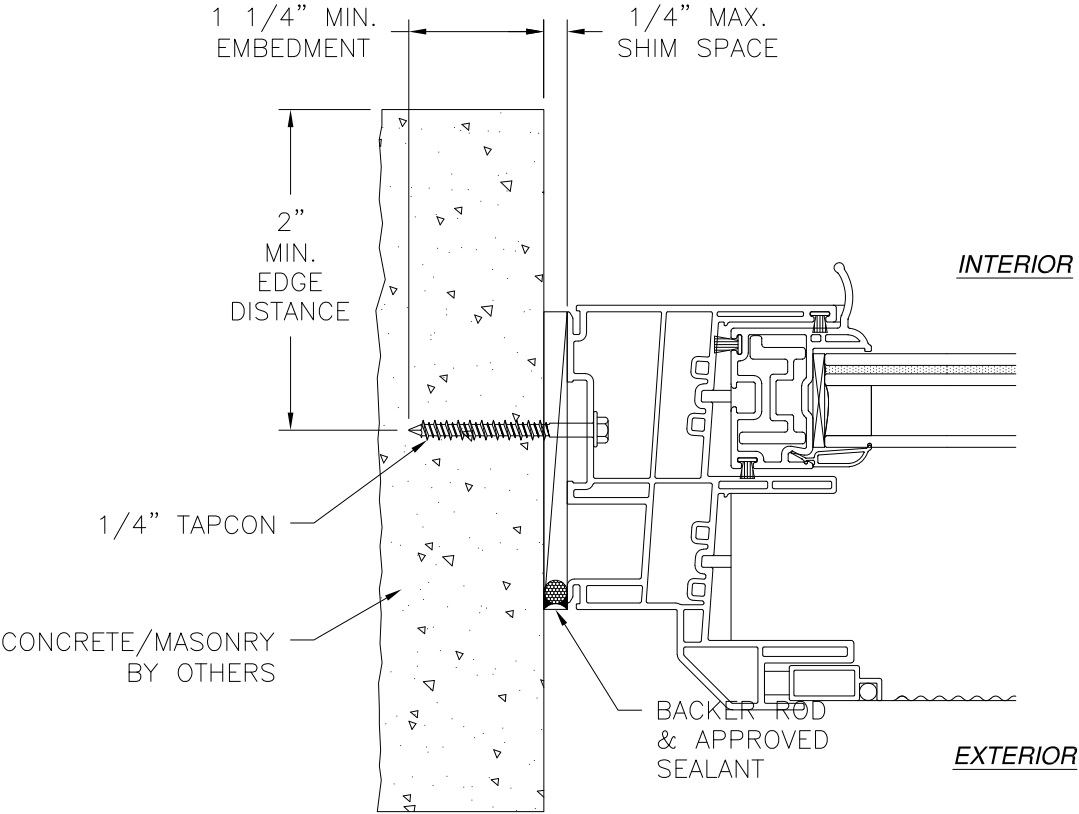


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VERTICAL CROSS SECTION
 CONCRETE/MASONRY WITH 1X BUCK INSTALLATION
 FOR CONCRETE/MASONRY WITHOUT 1X BUCK REFER TO
 JAMB INSTALLATION DETAIL



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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650 HS HORIZONTAL SLIDER WINDOW
IMPACT

FINLESS INSTALLATION DETAILS

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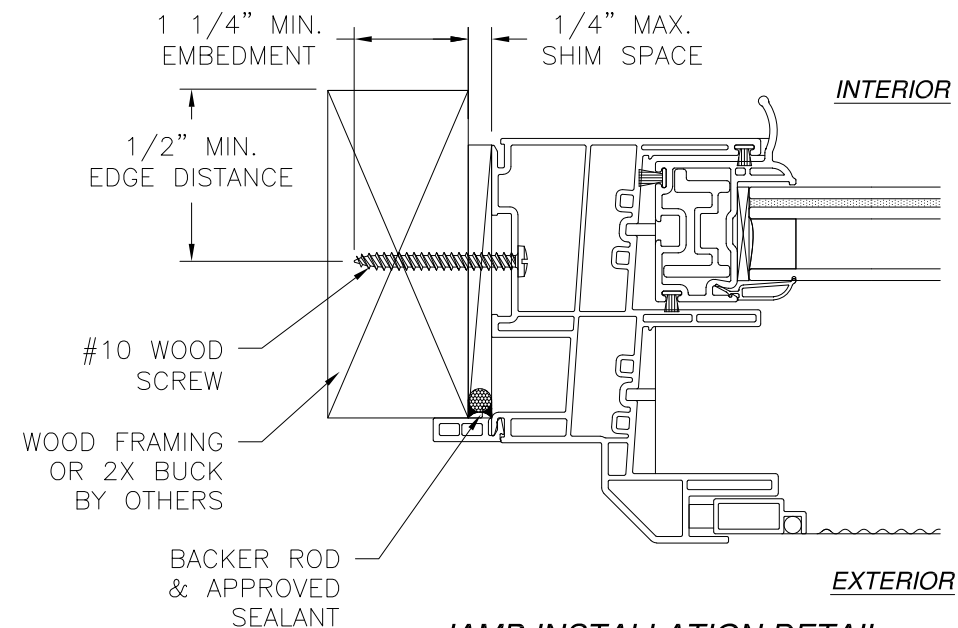
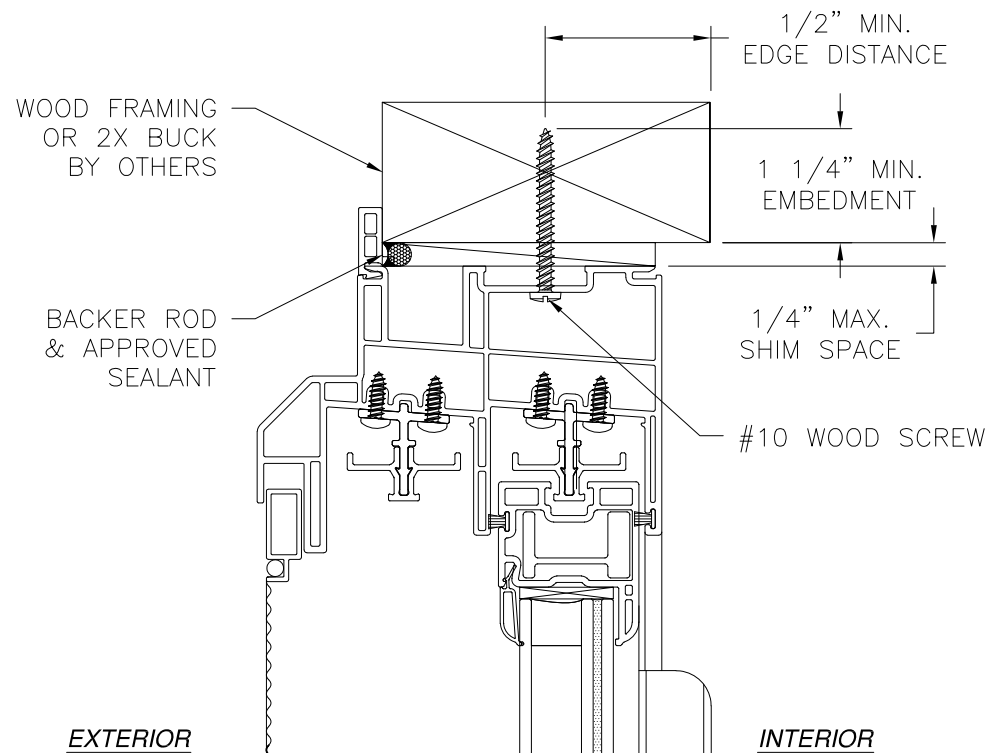
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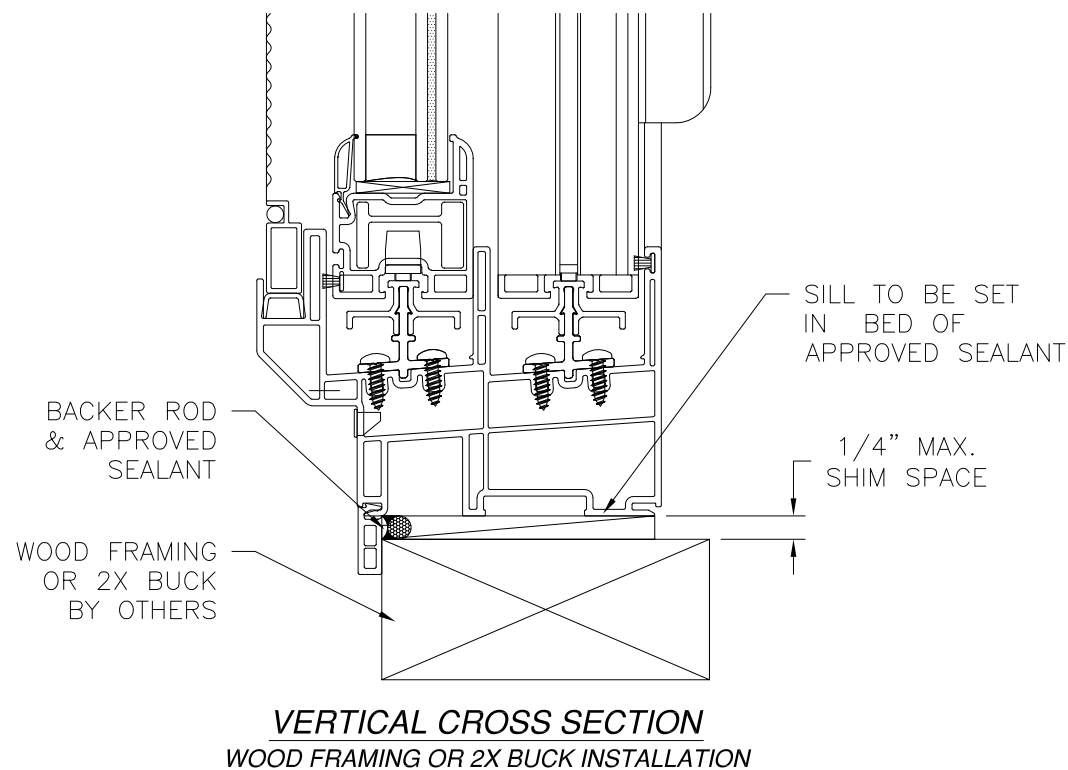


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JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

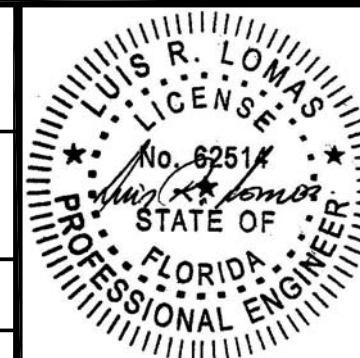


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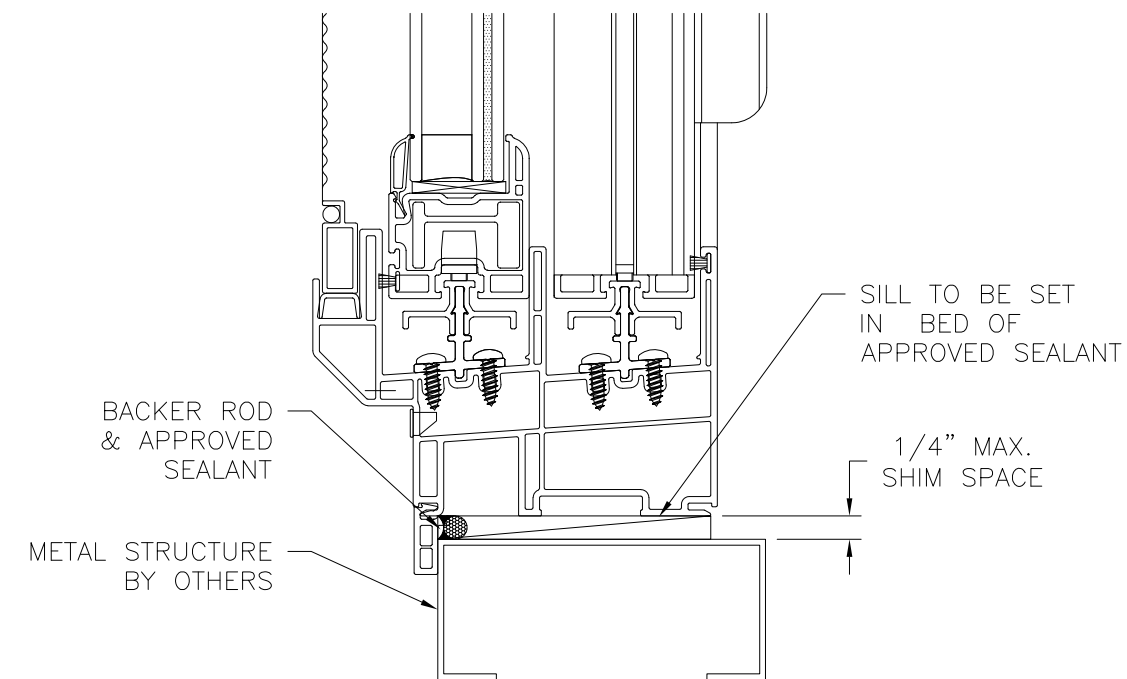
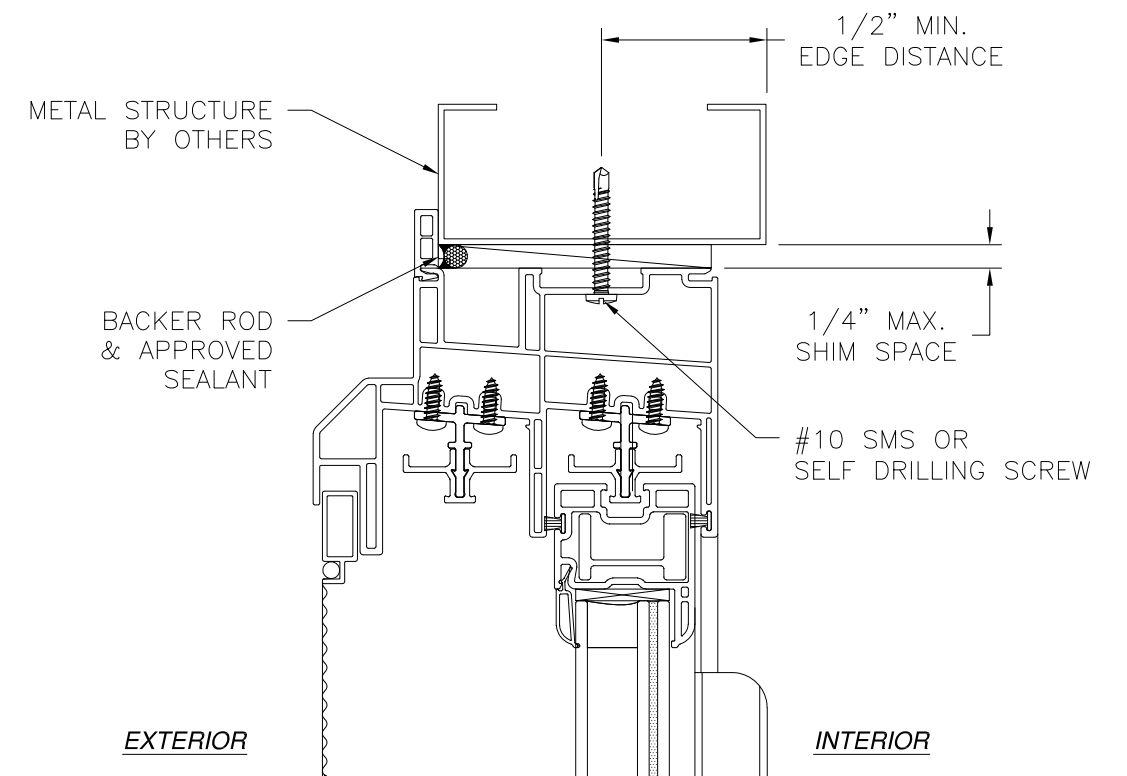
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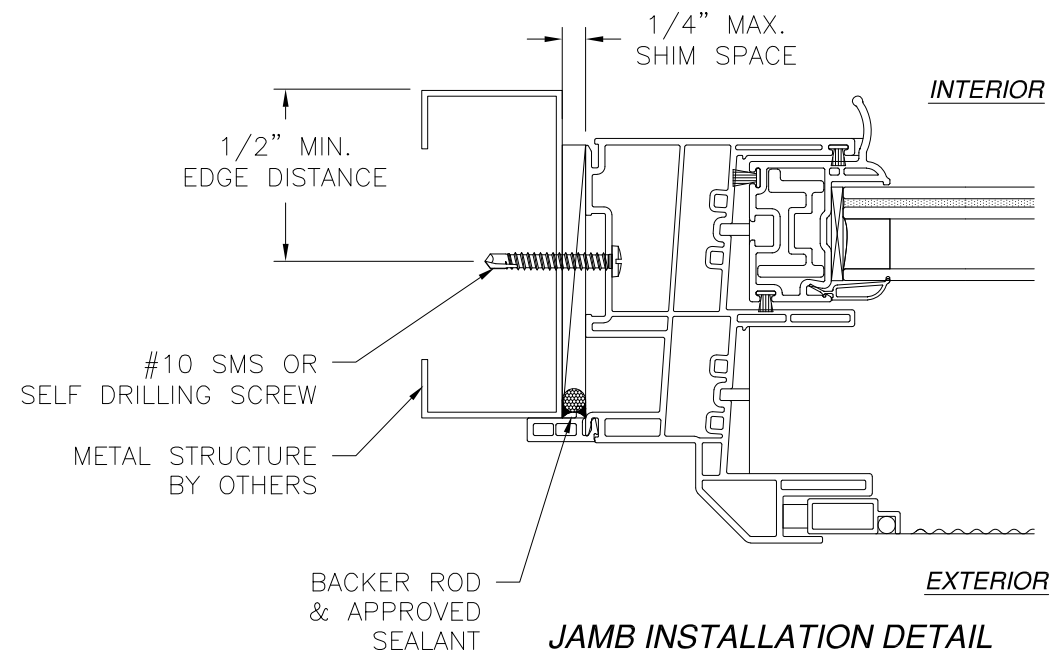


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VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION



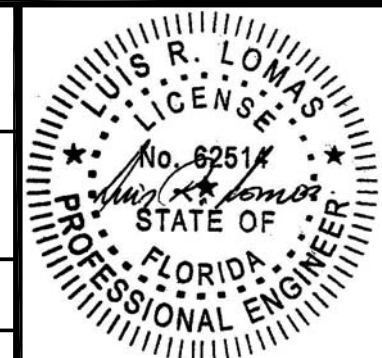
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METAL STRUCTURE INSTALLATION

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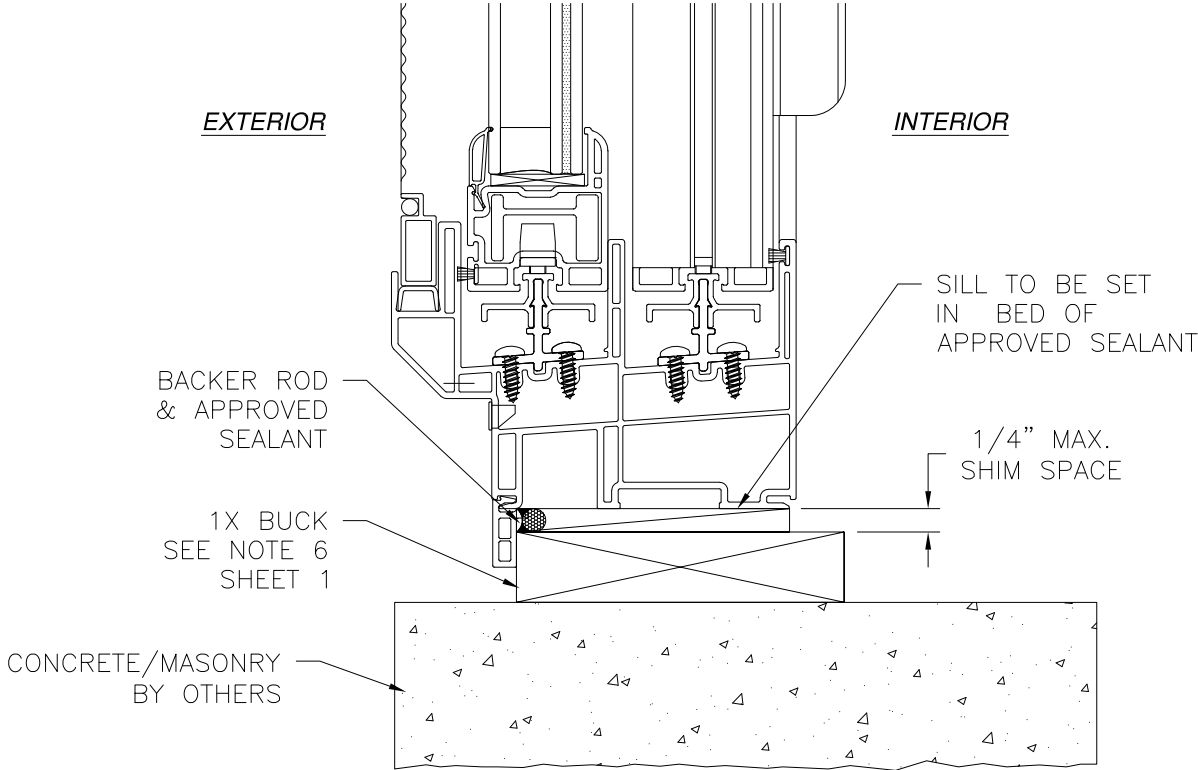
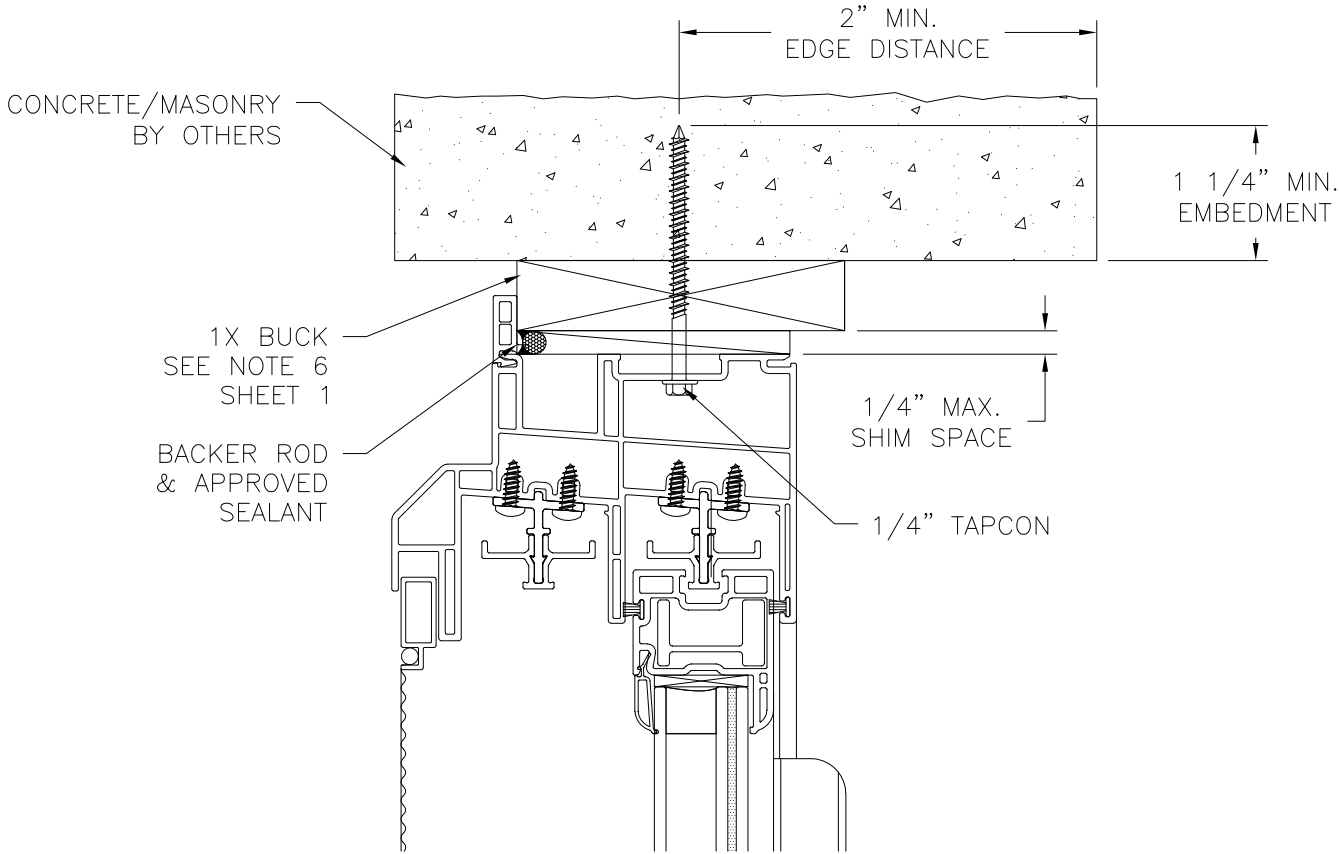
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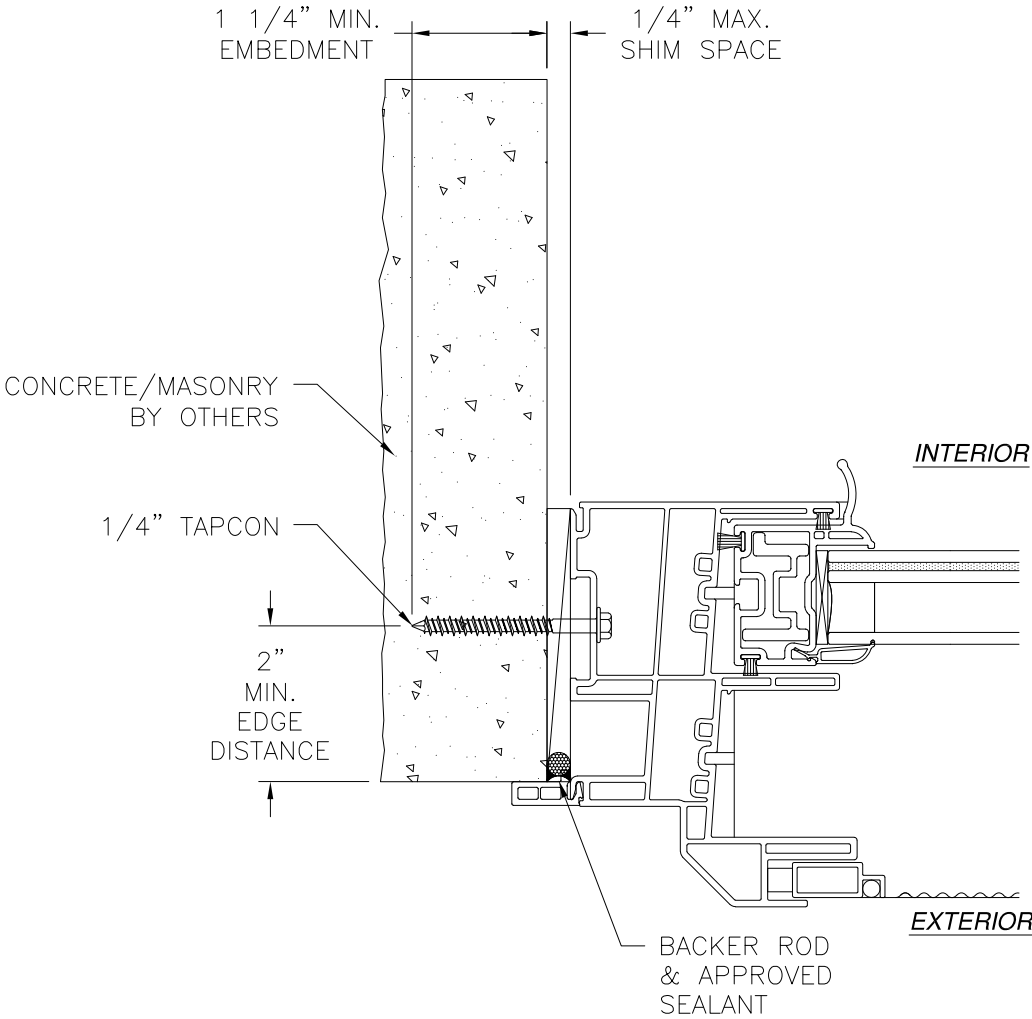


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JAMB INSTALLATION DETAIL
 CONCRETE/MASONRY WITHOUT 1X BUCK INSTALLATION
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650 HS HORIZONTAL SLIDER WINDOW
IMPACT

FLANGE INSTALLATION DETAILS

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SHEET 9 OF 12

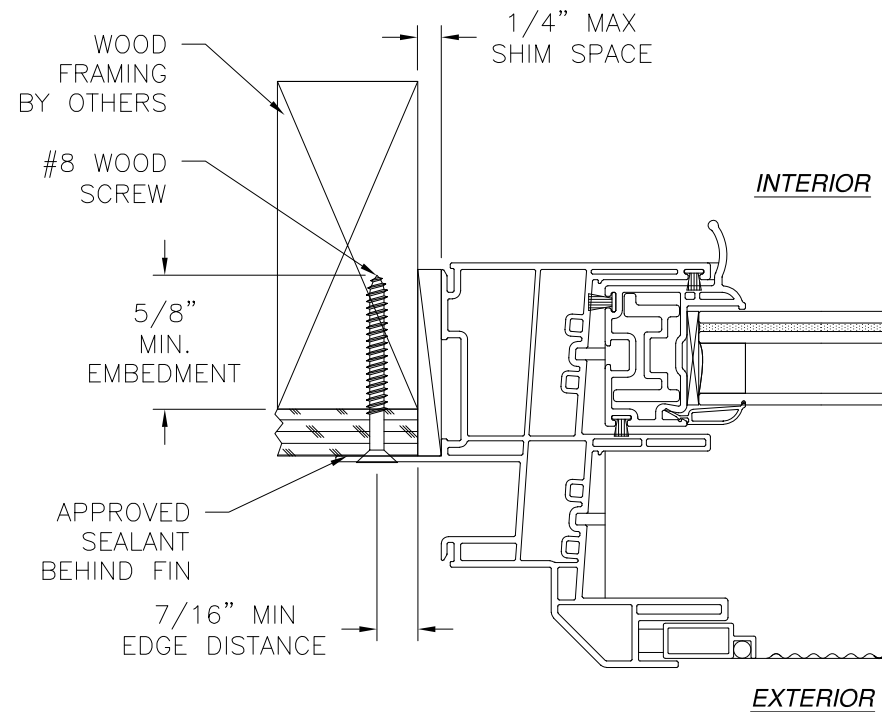
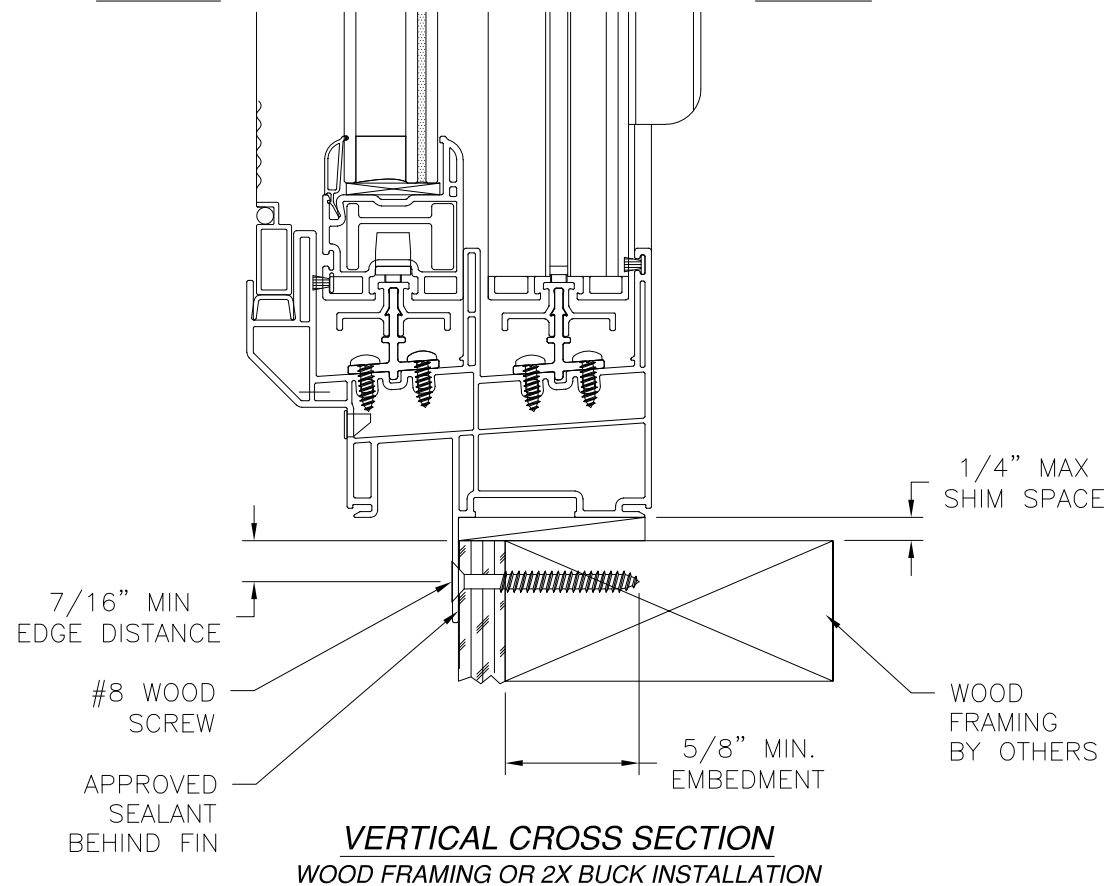
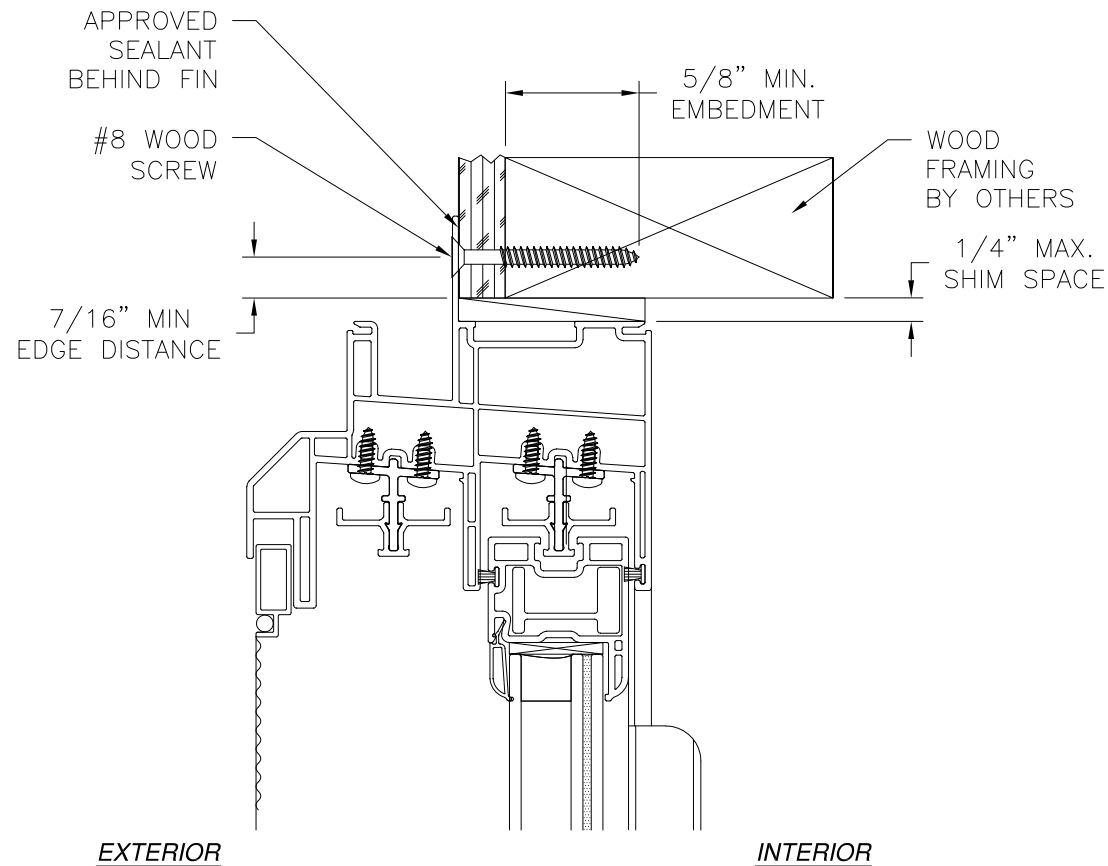
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JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

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

SLOCOMB WINDOWS AND DOORS, INC.

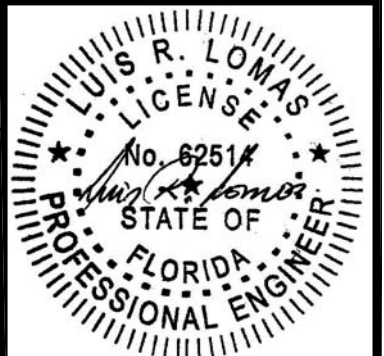
767 SANS SOUCI PARKWAY
WILKES-BARRE, PA 18706

650 HS HORIZONTAL SLIDER WINDOW
IMPACT
FIN INSTALLATION DETAILS

DRAWN: A.R.	DWG NO. 08-04001	REV -
SCALE NTS	DATE 01/25/2024	SHEET 10 OF 12

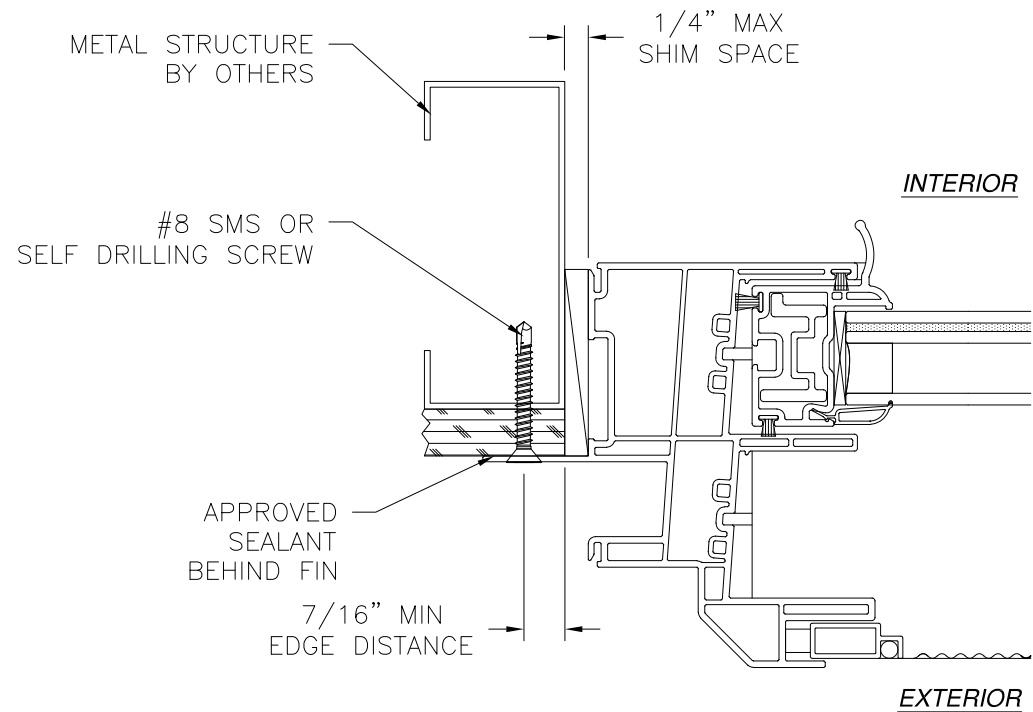
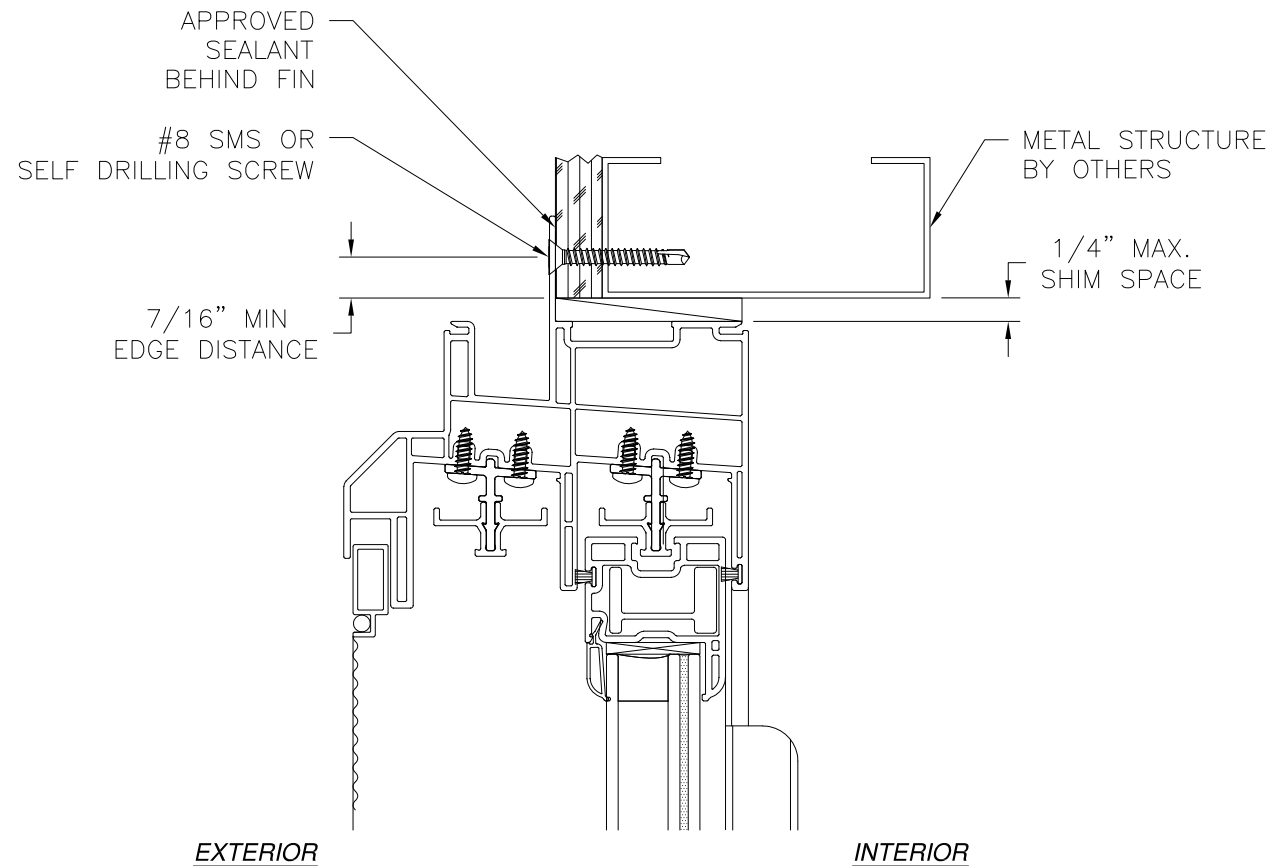
L. ROBERTO LOMAS P.E.
208 7th Ave, INDIALANTIC, FL 32903
434-688-0609 rllomas@rlomaspe.com

SIGNED: 02/06/2024



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

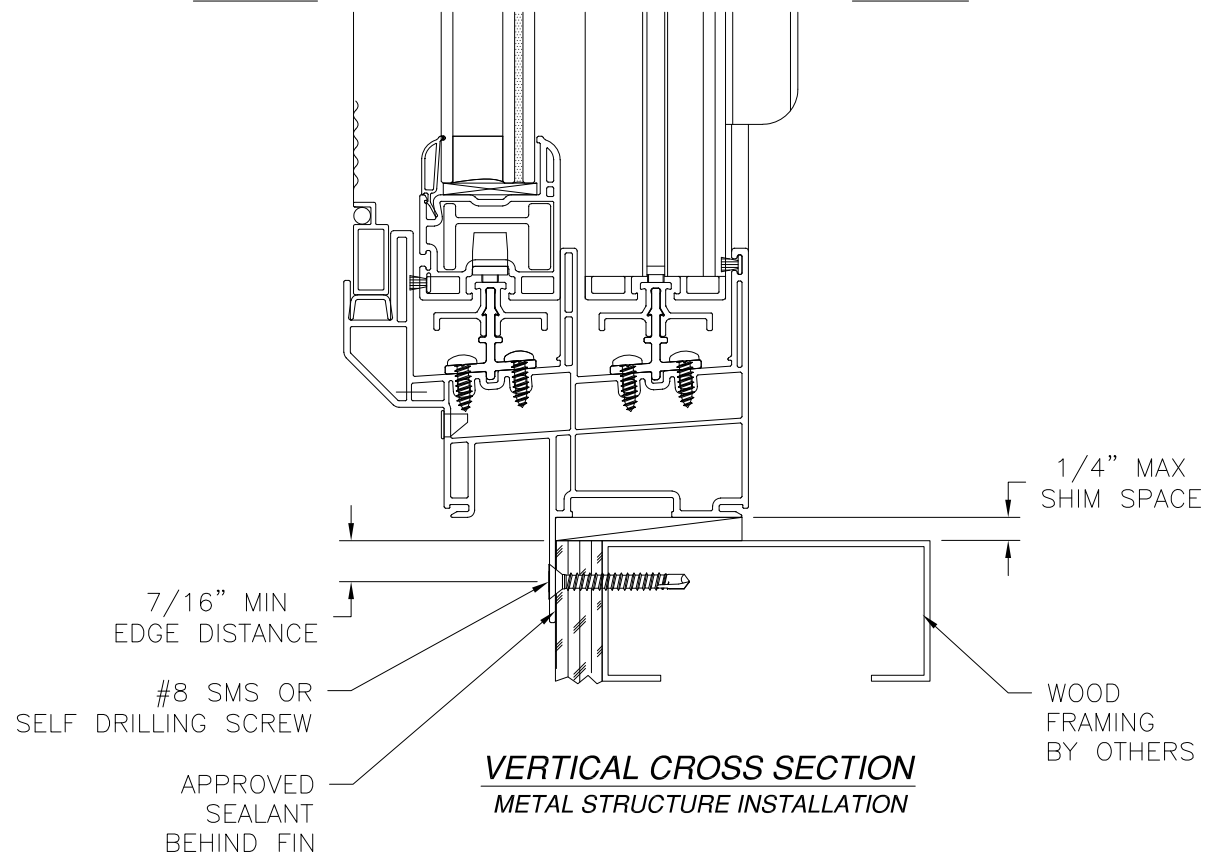
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED



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



VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION

SIGNED: 02/06/2024

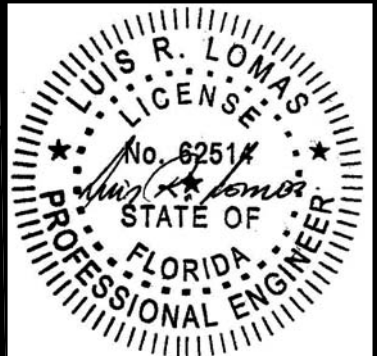
SLOCOMB WINDOWS AND DOORS, INC.

767 SANS SOUCI PARKWAY
WILKES-BARRE, PA 18706

650 HS HORIZONTAL SLIDER WINDOW
IMPACT
FIN INSTALLATION DETAILS

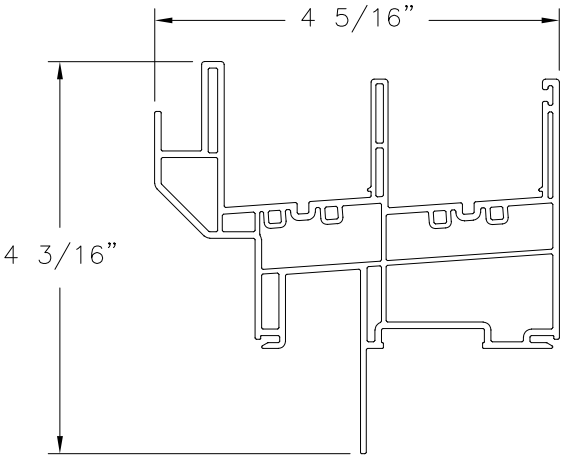
DRAWN: A.R.	DWG NO. 08-04001	REV -
SCALE NTS	DATE 01/25/2024	SHEET 11 OF 12

L. ROBERTO LOMAS P.E.
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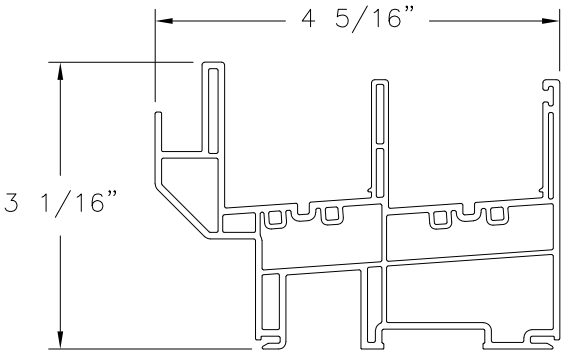


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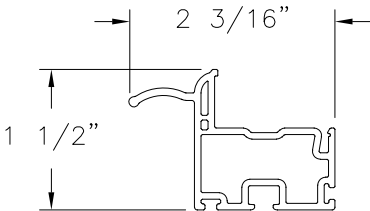
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED



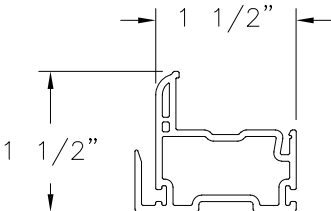
MAIN FRAME (10005153)
FIN INSTALLATION
EXTRUDED VINYL



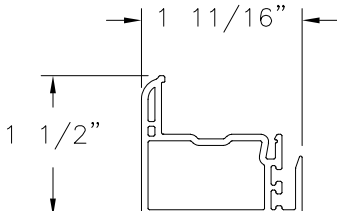
MAIN FRAME (10005153)
FINLESS INSTALLATION
EXTRUDED VINYL



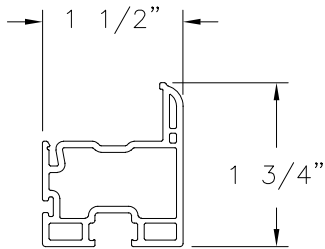
PULL/LIFT SASH (10005541)
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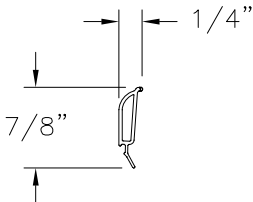
LOCK RAIL (10005542)
EXTRUDED VINYL



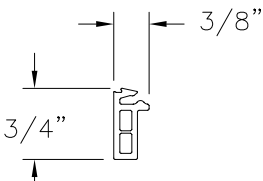
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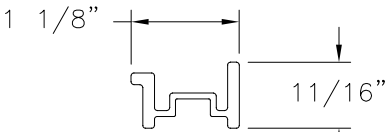
MAIN SASH (10005539)
EXTRUDED VINYL



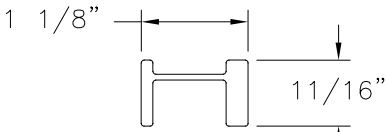
GLAZING BEAD (5464)
EXTRUDED VINYL



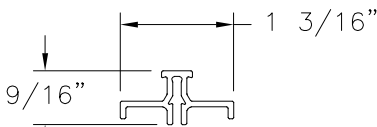
FLANGE (4714)
EXTRUDED VINYL



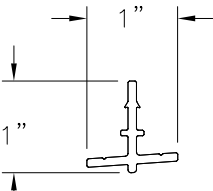
REINFORCEMENT (10300159)
ALUMINUM 6005-T5



REINFORCEMENT (10300266)
ALUMINUM 6005-T5



SLIDER TRACK INSERT COVER (10008469)
EXTRUDED VINYL



SLIDER TRACK INSERT (10300127)
EXTRUDED VINYL

SIGNED: 02/06/2024

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767 SANS SOUCI PARKWAY
WILKES-BARRE, PA 18706

650 HS HORIZONTAL SLIDER WINDOW
IMPACT
COMPONENTS

DRAWN:
A.R.

DWG NO.
08-04001

REV
-

SCALE NTS

DATE 01/25/2024

SHEET 12 OF 12

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