

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	ADDED CONFIGURATIONS & GLASS DETAIL	06/15/2021	R.L.

- NOTES:
1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE FLORIDA BUILDING CODE.
 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” 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. 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 UNIT FRAME INTERIOR FACE SO THAT FULL FRAME SUPPORT IS PROVIDED.
 8. 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”.
 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 12 FOR GLASS DETAILS.
 13. APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.
 14. FOR ANCHORING THROUGH FIN INTO WOOD FRAMING OR 2X BUCK USE #8 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 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.
16. 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.
17. FOR ANCHORING THROUGH FRAME INTO MASONRY/CONCRETE USE 3/16” TAPCONS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 3/4” MINIMUM EMBEDMENT INTO SUBSTRATE WITH 2” MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
18. 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.
19. ALL FASTENERS TO BE CORROSION RESISTANT.
20. 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: GROUT 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 .125” THICK MINIMUM
21. APPROVED CONFIGURATIONS: OX, XO, OXO, XOO, OOX, XOX AND OXXO.

SIGNED: 06/30/2021

TABLE OF CONTENTS	
SHEET NO.	DESCRIPTION
1	NOTES
2 – 3	ELEVATIONS
4 – 11	INSTALLATION DETAILS
12	COMPONENTS

SHWINCO ARCHITECTURAL PRODUCTS, LLC

171 JET SERVICES WAY
DOTHAN, AL 36303

SERIES 9700 VINYL SGD 12080
OXXO IMPACT
NOTES

DRAWN:
R.L.

DWG NO.
08–03565

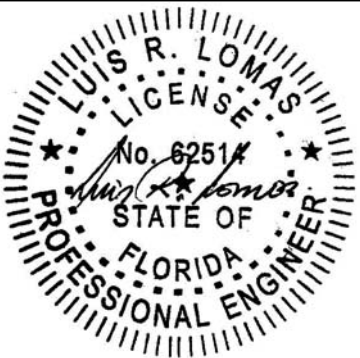
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DATE 06/09/2020

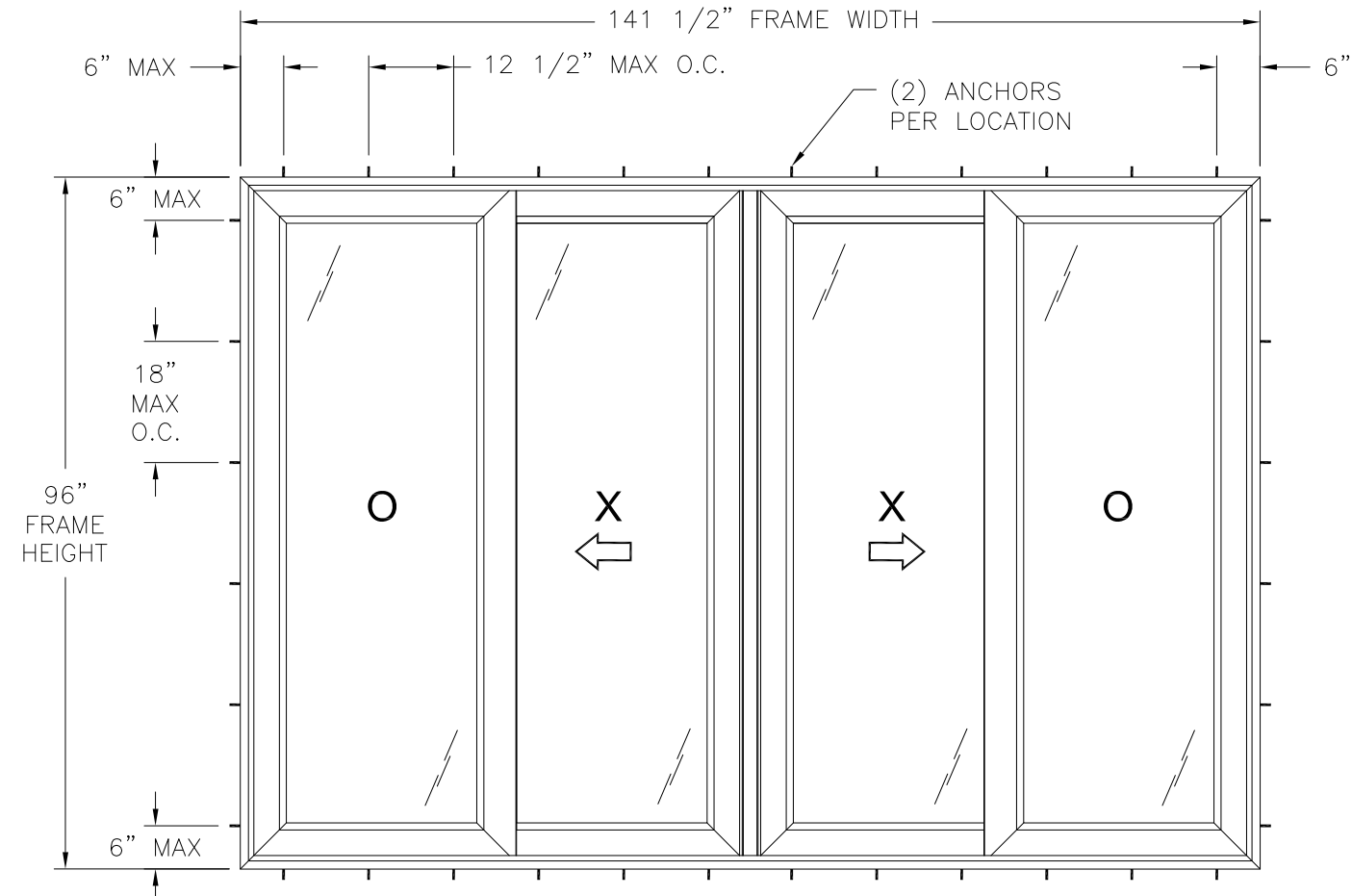
SHEET 1 OF 12

L. ROBERTO LOMAS P.E.
1432 WOODFORD RD LEWISVILLE, NC 27023
434-688-0609 rllomas@lrlomaspe.com

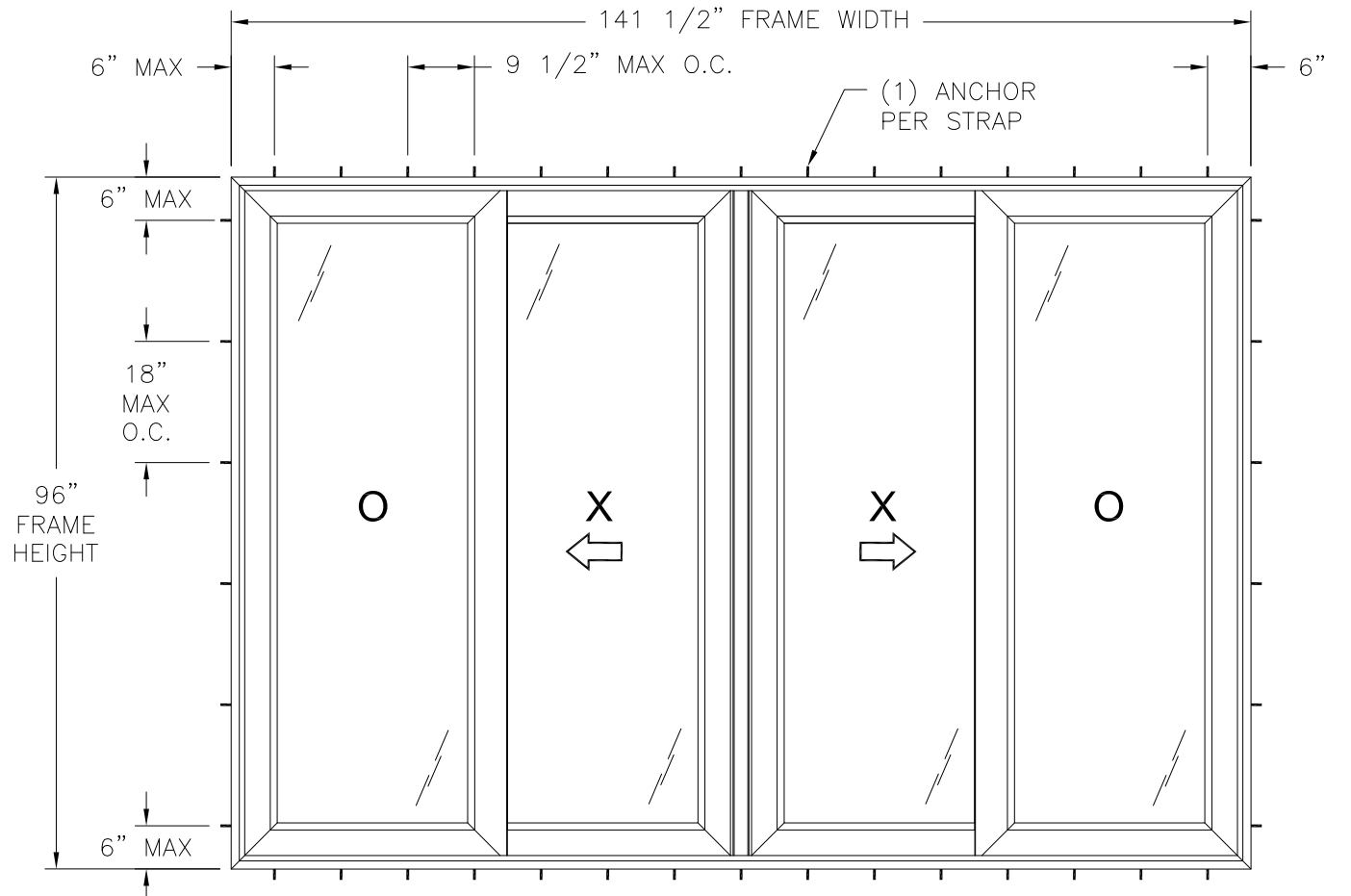


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SERIES 9700 VINYL SGD OXXO
EXTERIOR VIEW
FRAME INSTALLATION



SERIES 9700 VINYL SGD OXXO
EXTERIOR VIEW
STRAP INSTALLATION

DESIGN PRESSURE RATING	IMPACT RATING
± 65.0 PSF	LARGE AND SMALL MISSILE IMPACT

MISSILE LEVEL D, WIND ZONE 4

- NOTES:
- PANEL SIZE: 37 1/8" X 93 1/4"
 - PANEL D.L.O.: 26" x 82 1/8"

HARDWARE SCHEDULE	
A.	(1) STEEL SINGLE POINT MORTISE LOCK W/KEEPER AND HANDLE AT LOCK STILE, 40 1/2" FROM SILL
B.	(2) STEEL ROLLER BY HS&D AT EACH BOTTOM CORNER OF ACTIVE PANEL
C.	ALUMINUM REINFORCEMENT AT PANEL TOP, BOTTOM AND JAMBS
D.	ALUMINUM REINFORCEMENT (2"x2"x1/8") AT INTERLOCK AND ASTRAGAL
E.	ALUMINUM REINFORCEMENT (2"x2"x1/4") AT INTERLOCK EXTERIOR

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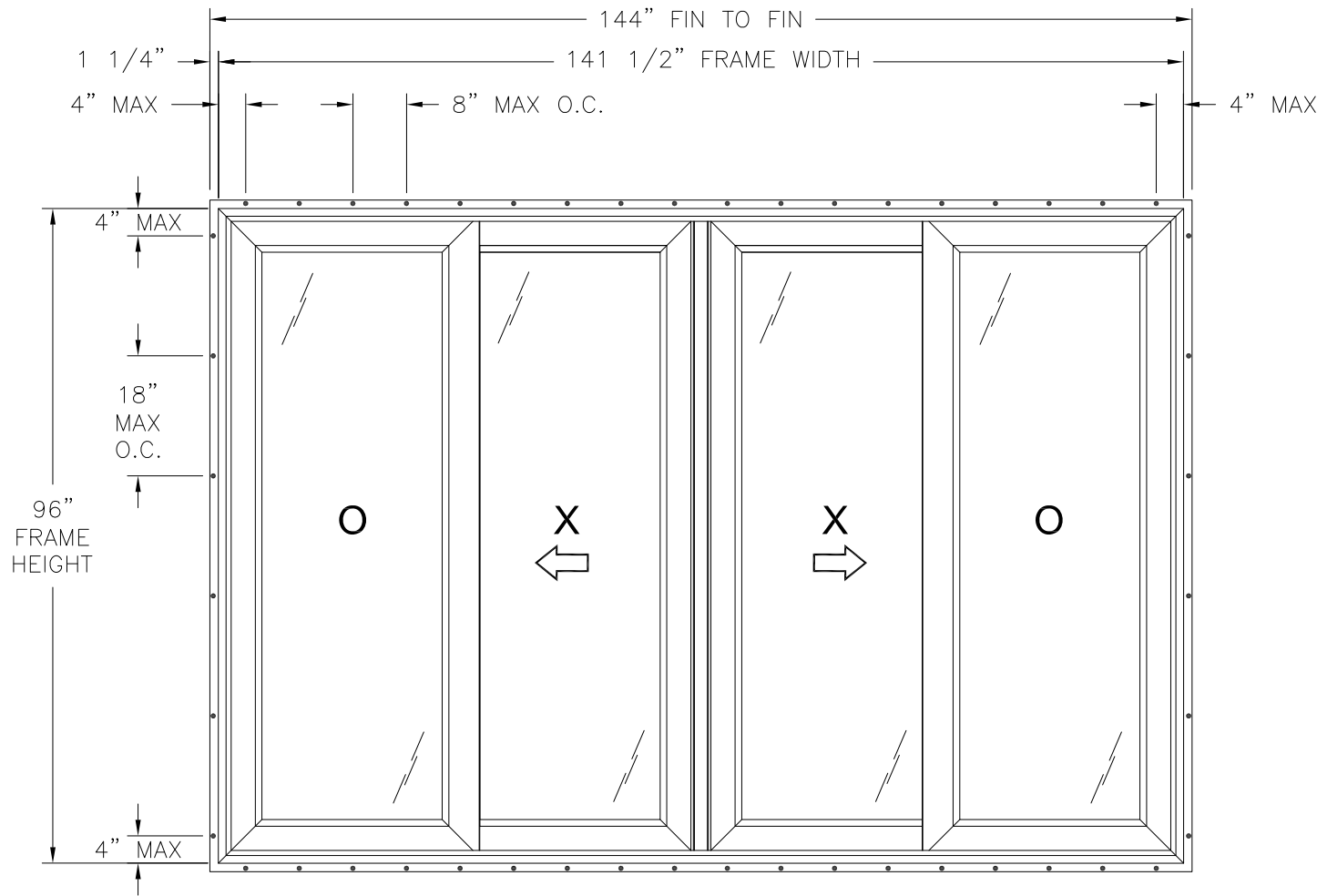
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SERIES 9700 VINYL SGD OXXO
EXTERIOR VIEW
FIN INSTALLATION
FOR RATINGS AND NOTES SEE SHEET 2

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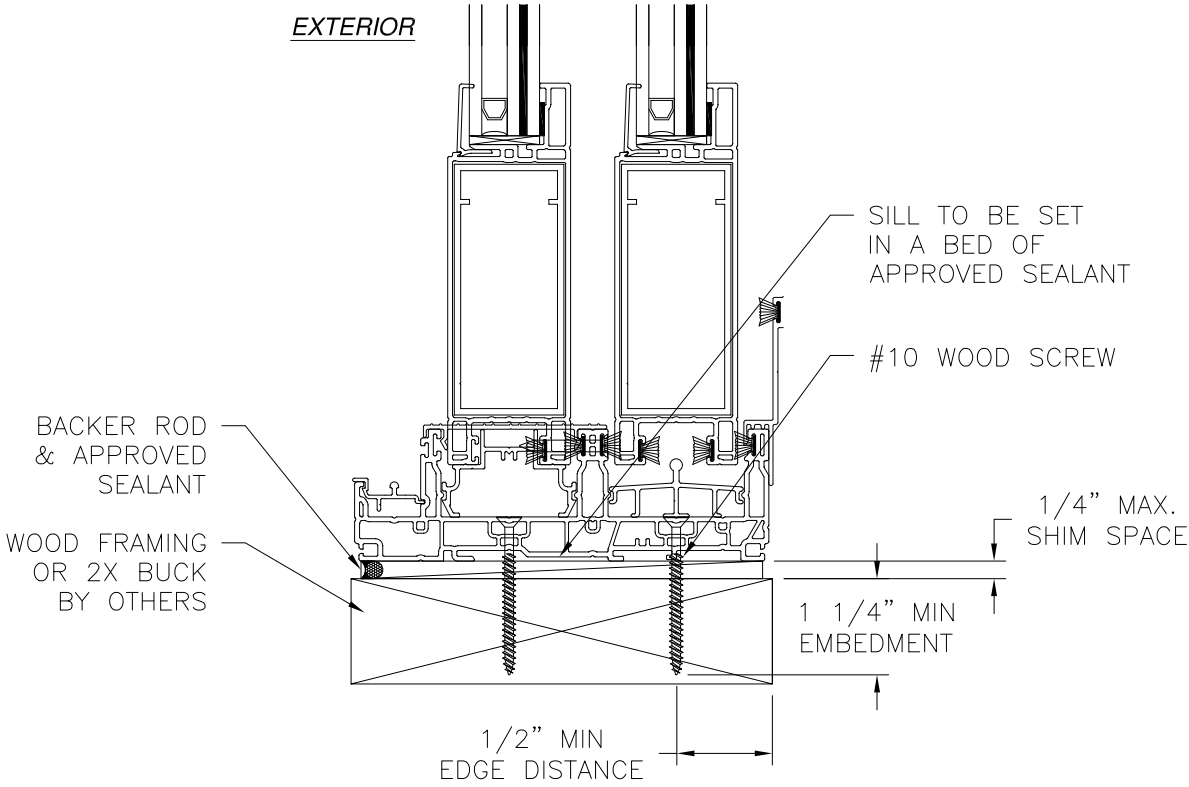
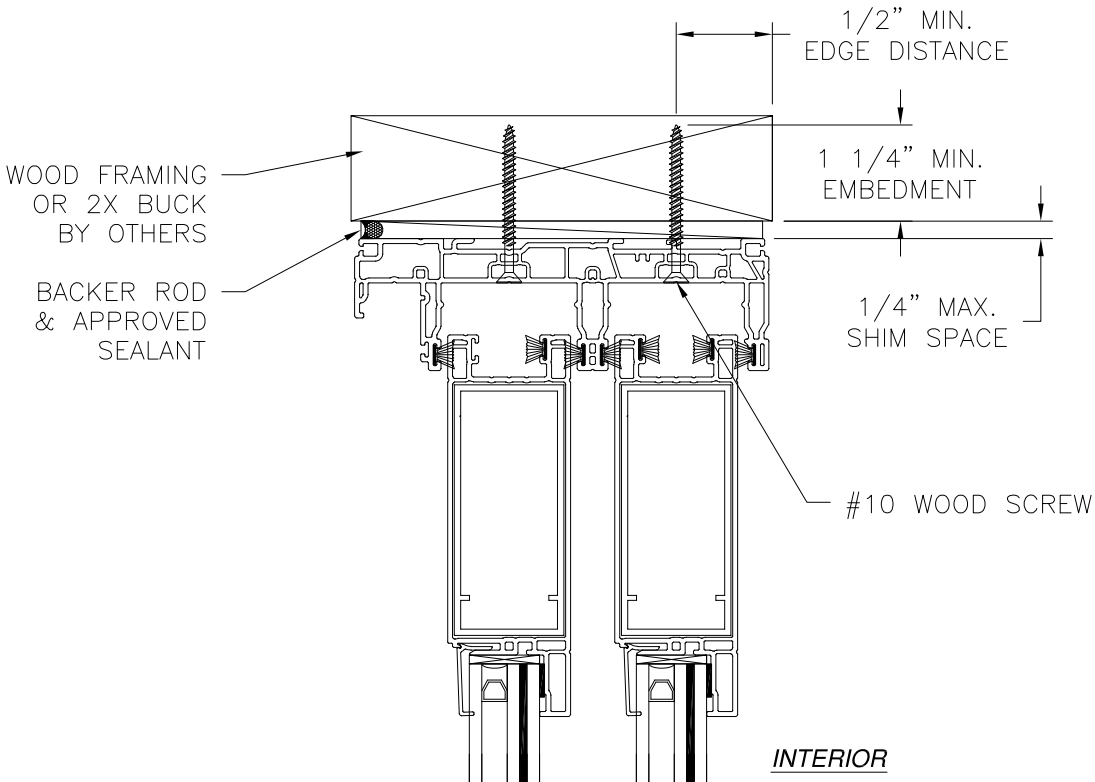
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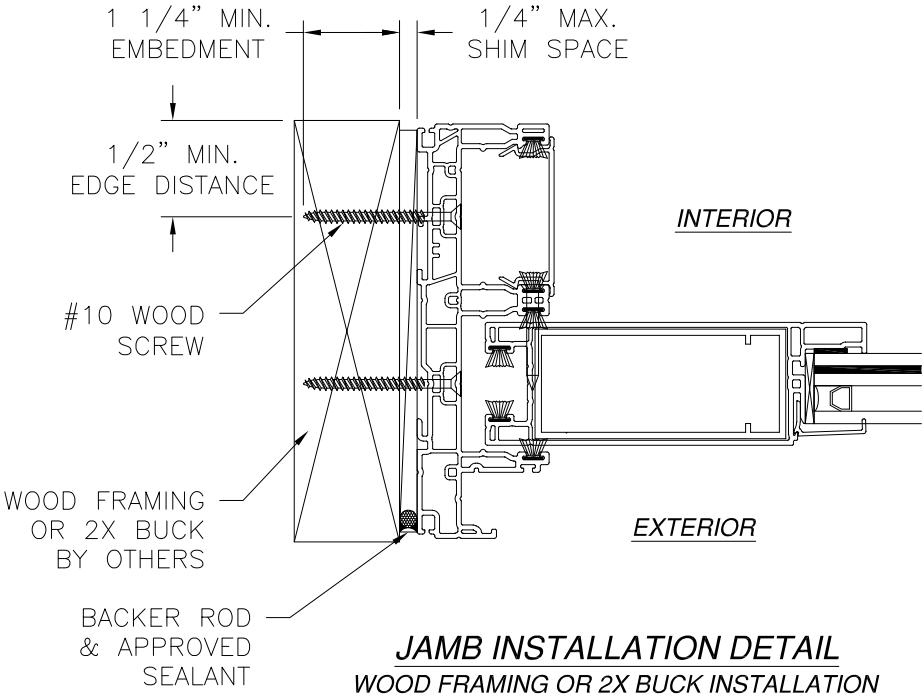
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VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION



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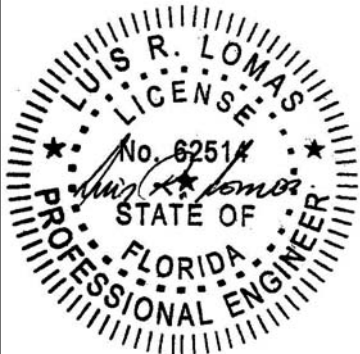
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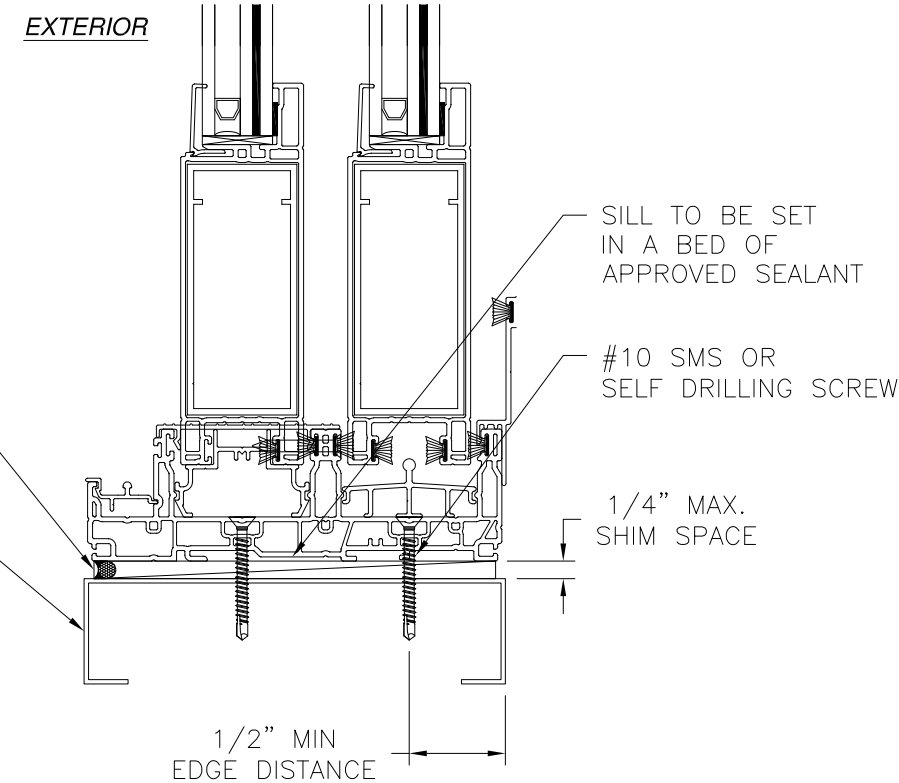
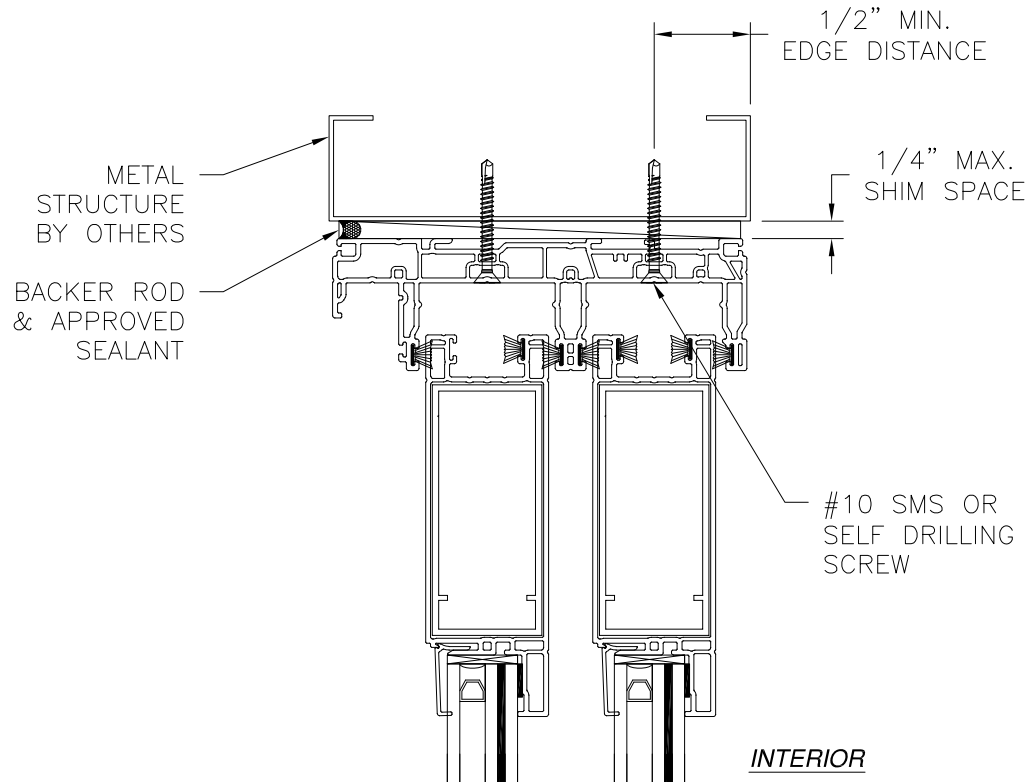
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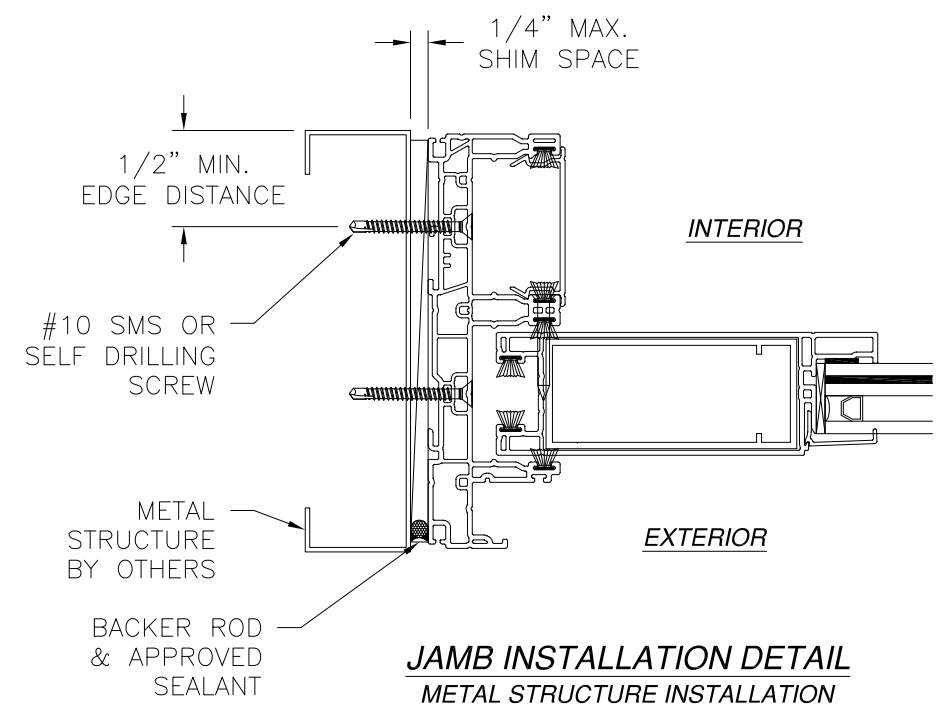
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VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION



JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION

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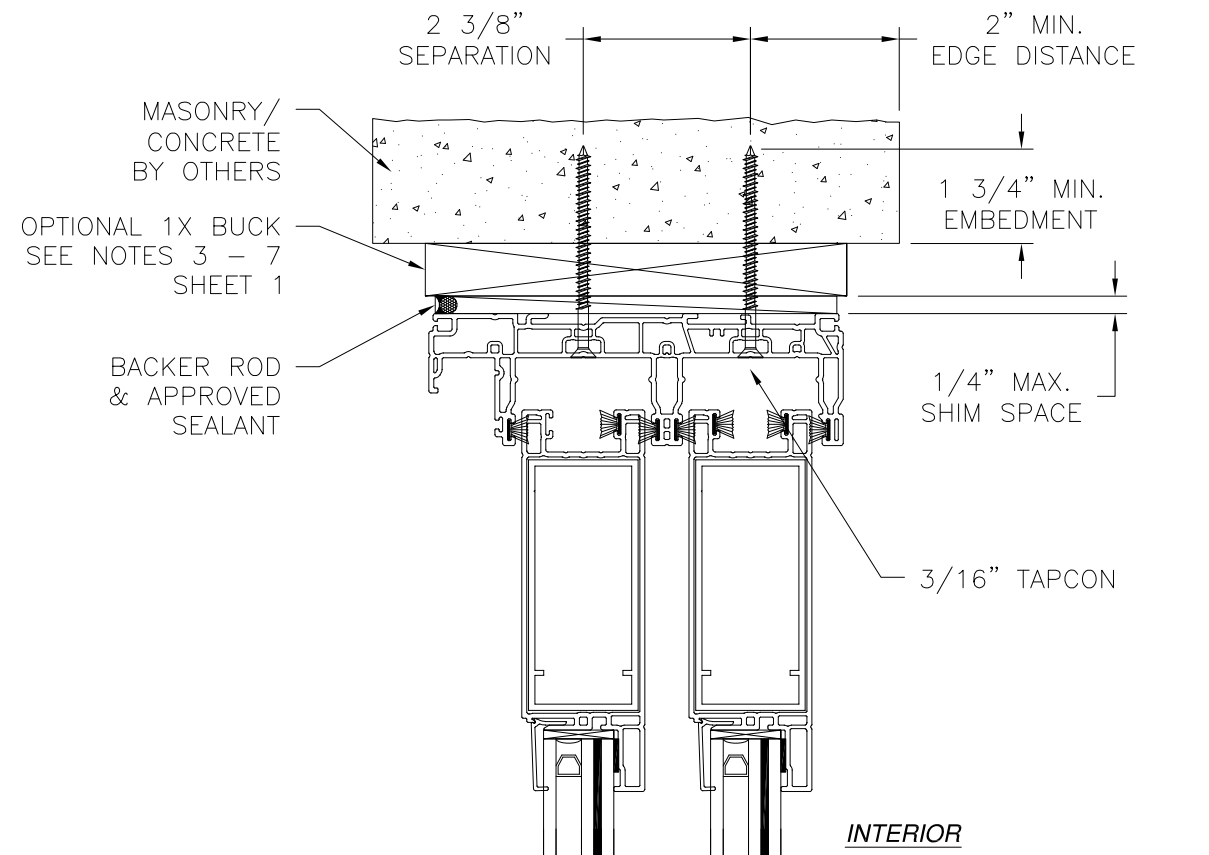
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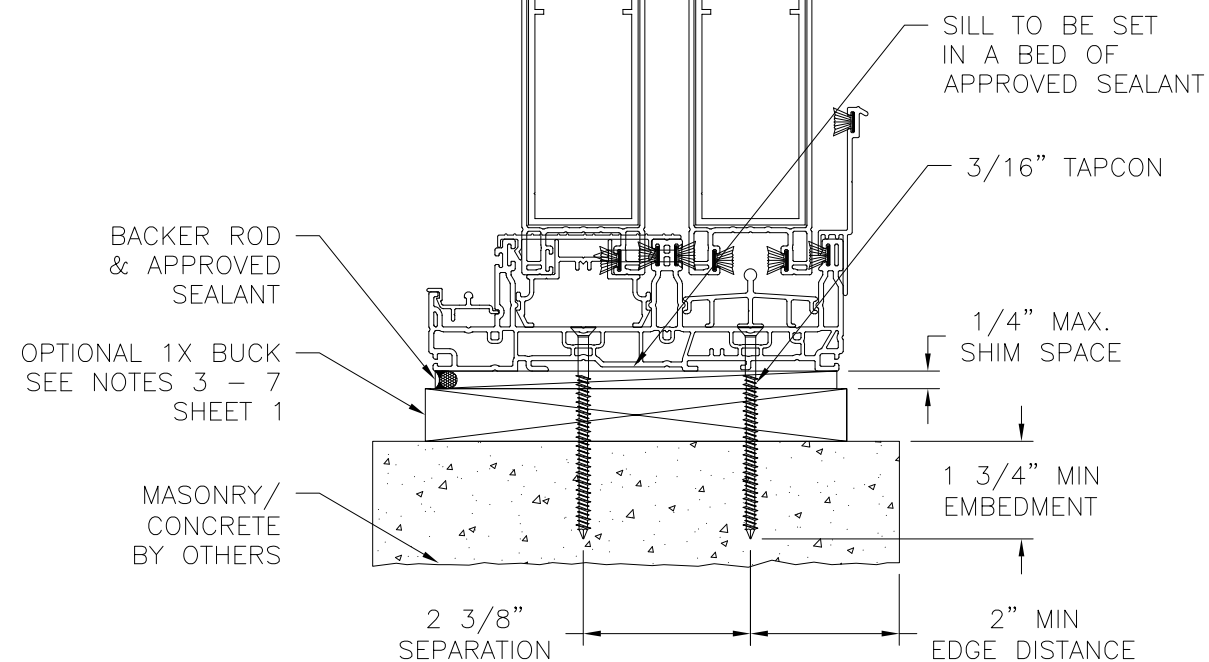
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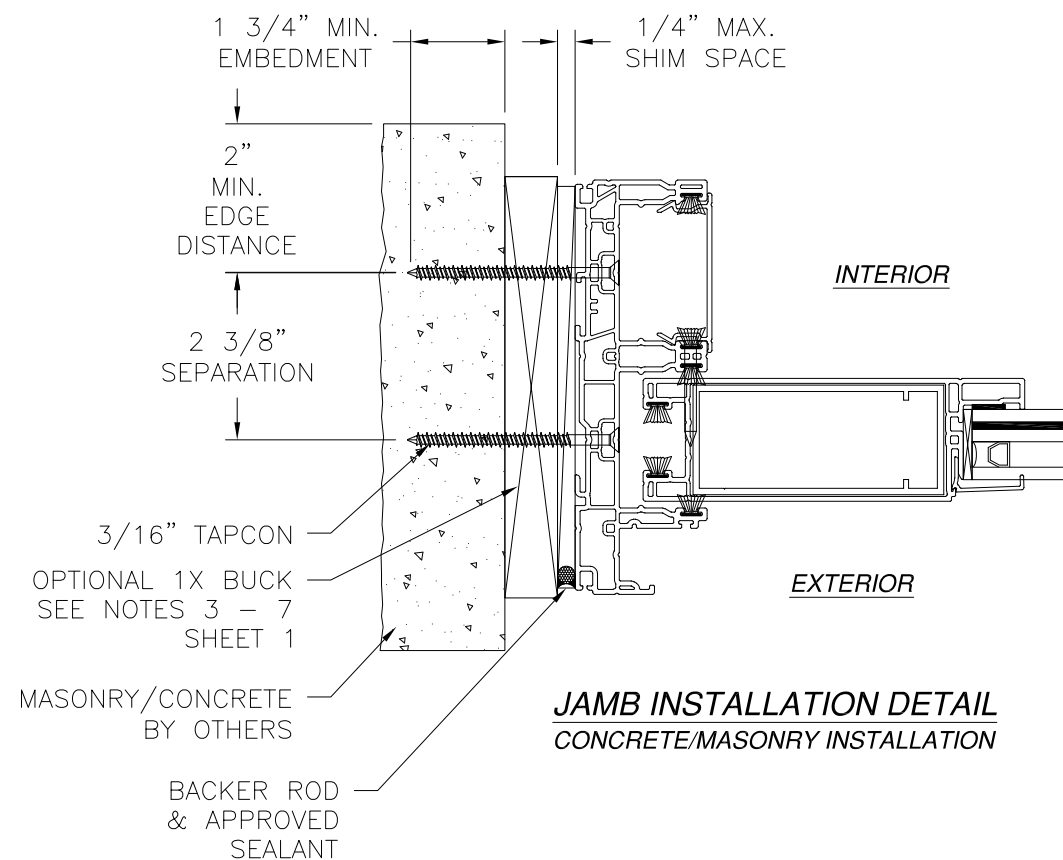
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EXTERIOR



VERTICAL CROSS SECTION
CONCRETE/MASONRY INSTALLATION



JAMB INSTALLATION DETAIL
CONCRETE/MASONRY INSTALLATION

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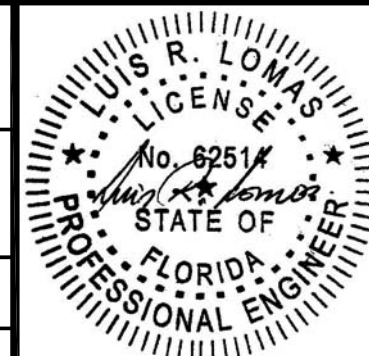
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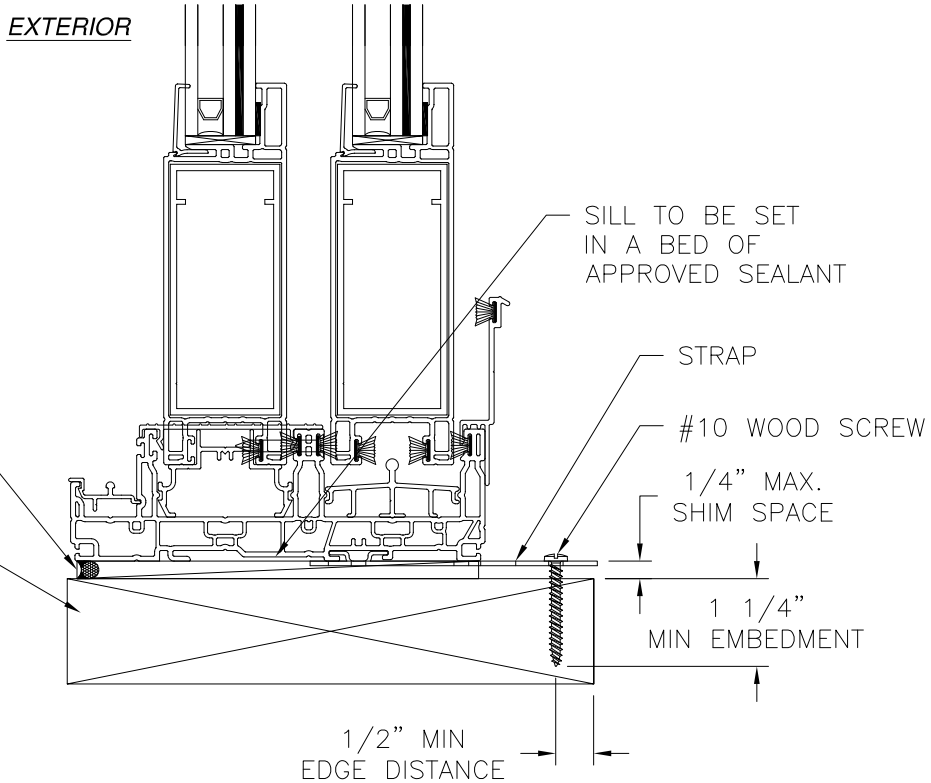
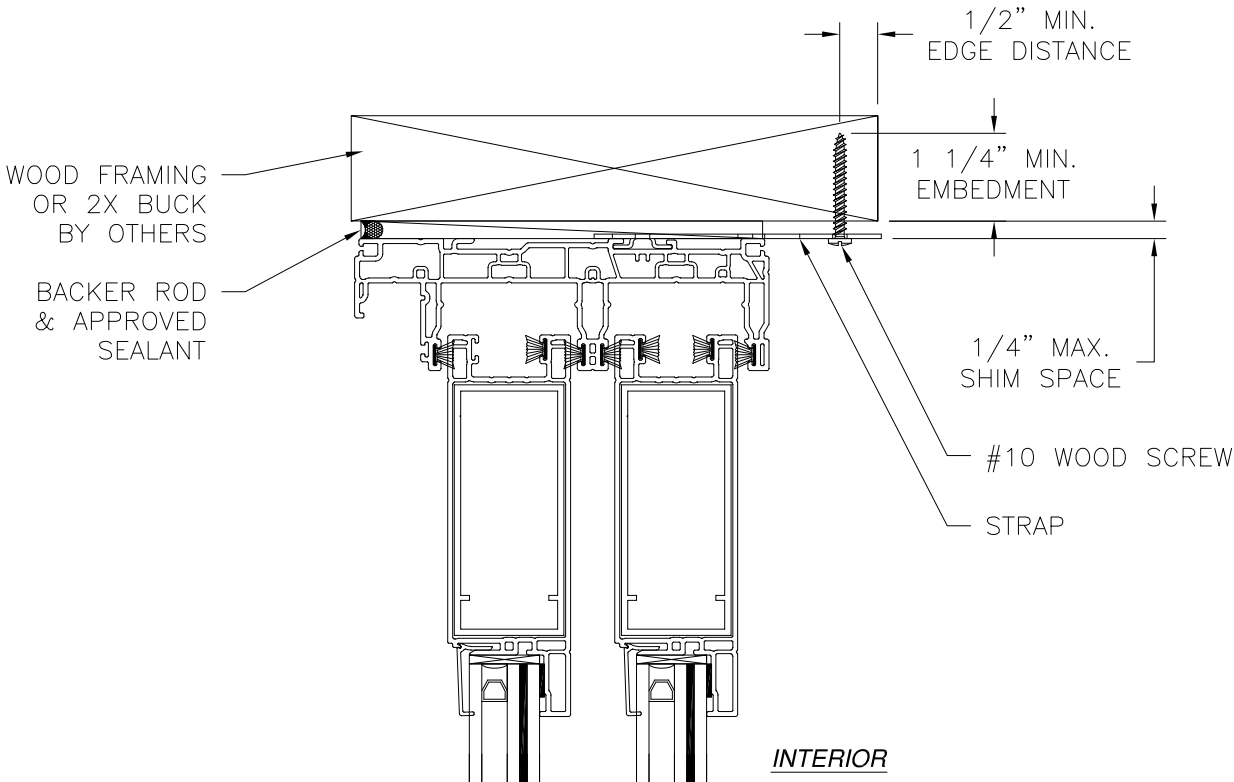
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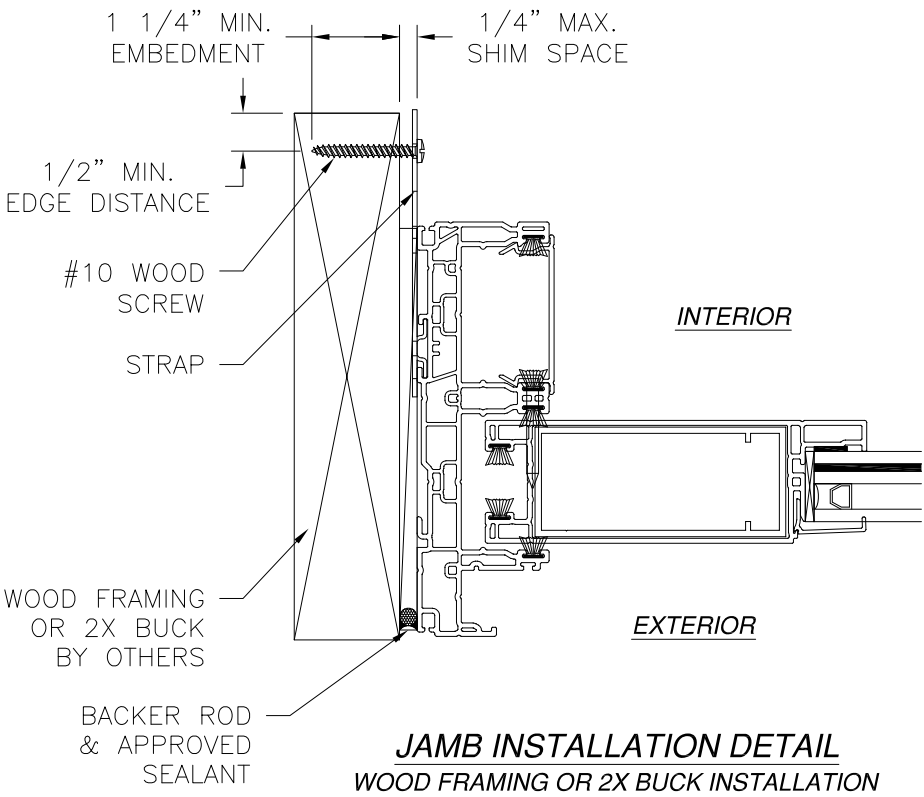


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VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION



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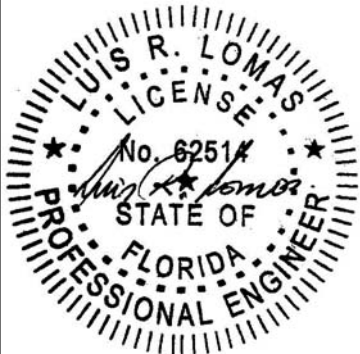
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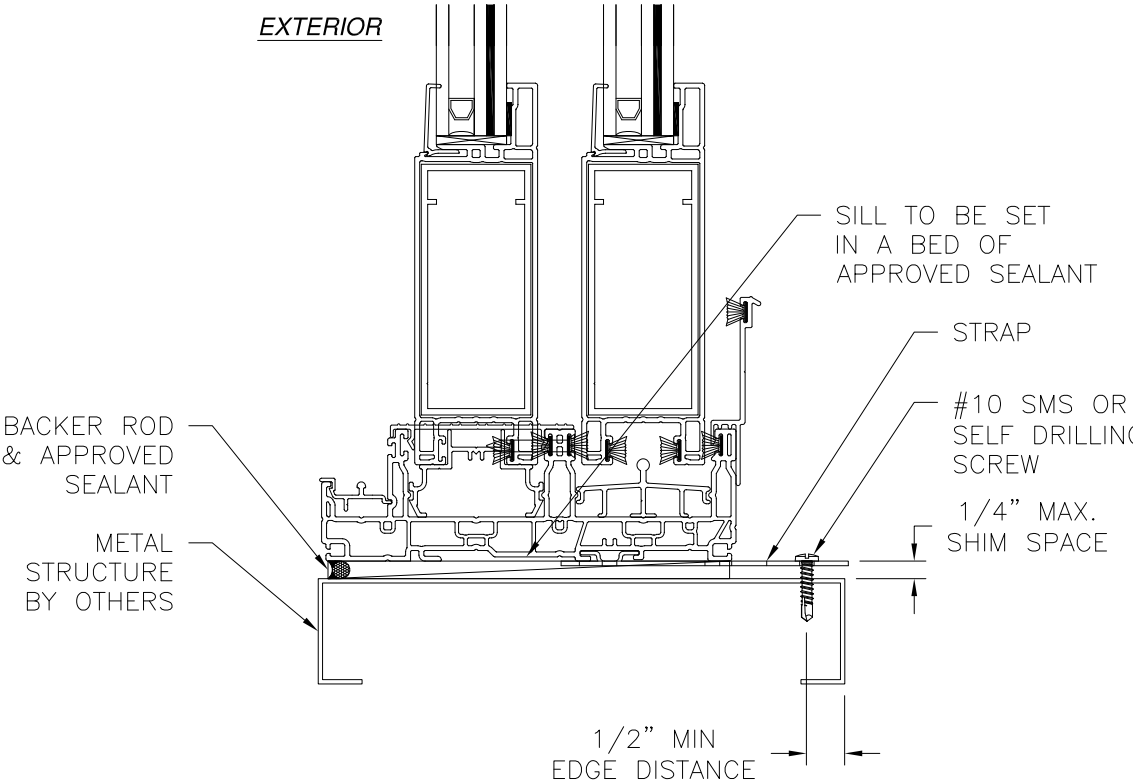
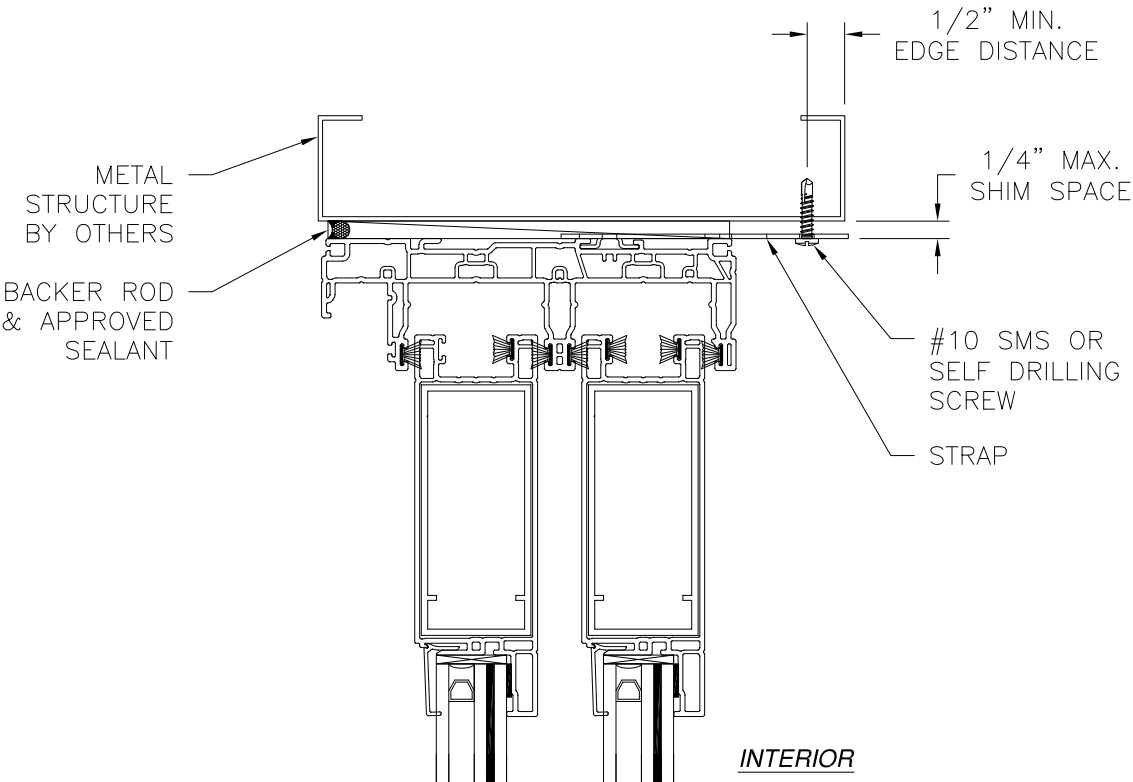
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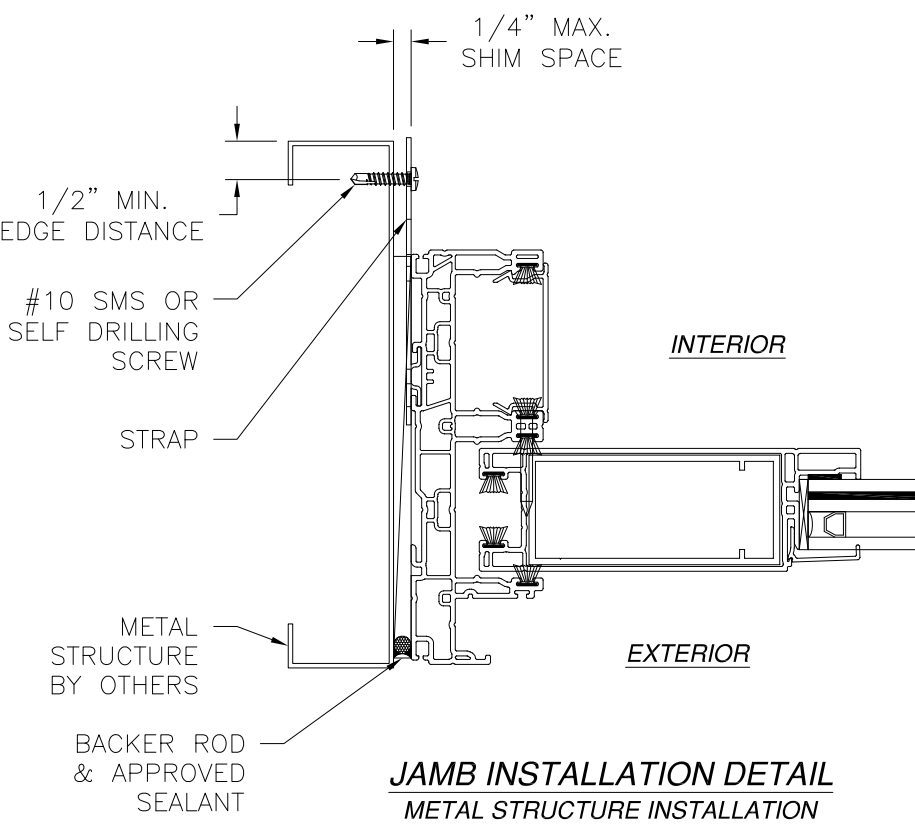


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VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION



JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION

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SHWINCO ARCHITECTURAL PRODUCTS, LLC
171 JET SERVICES WAY
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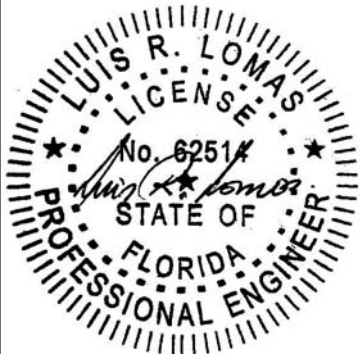
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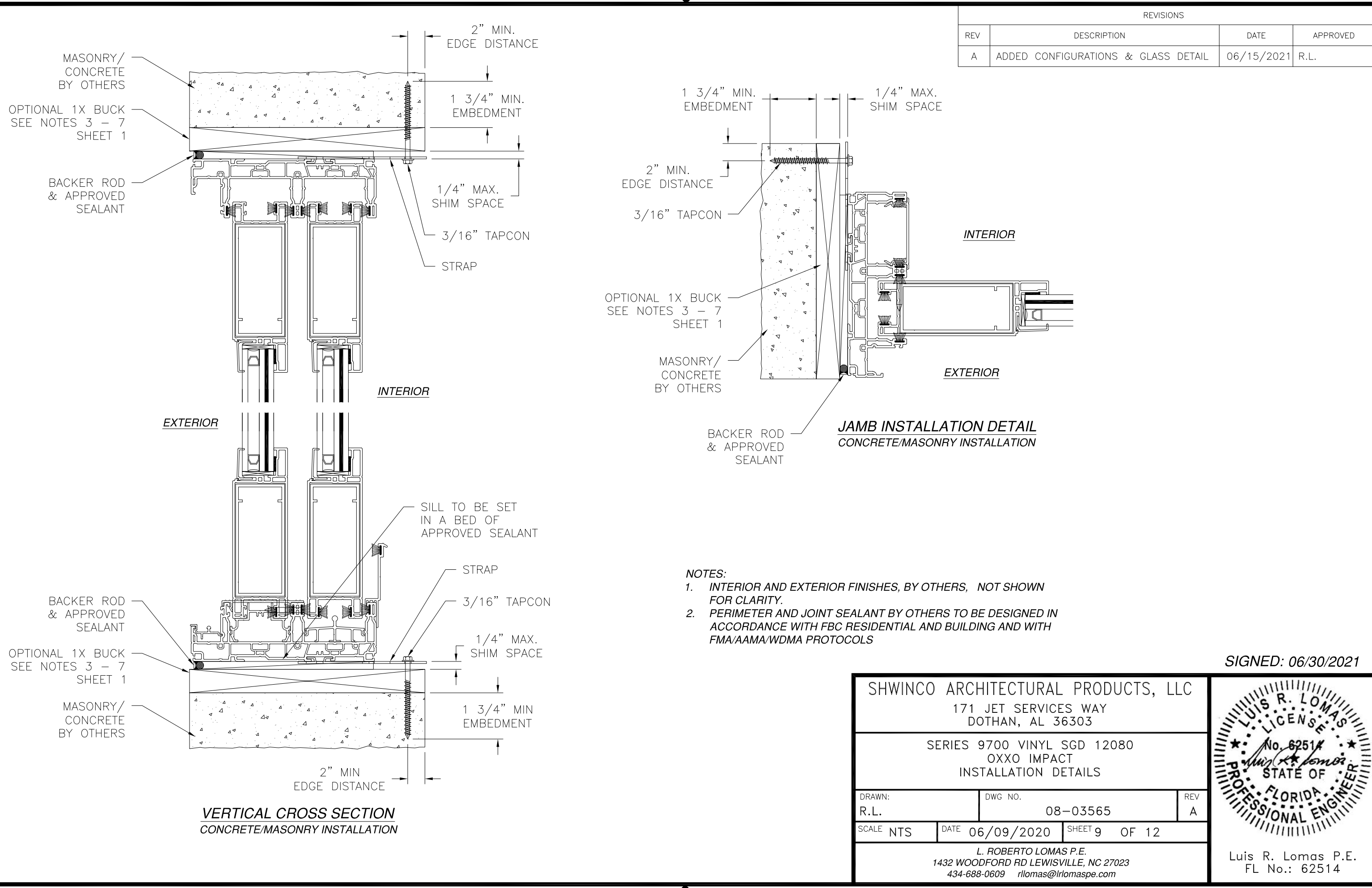
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SHEET 8 OF 12

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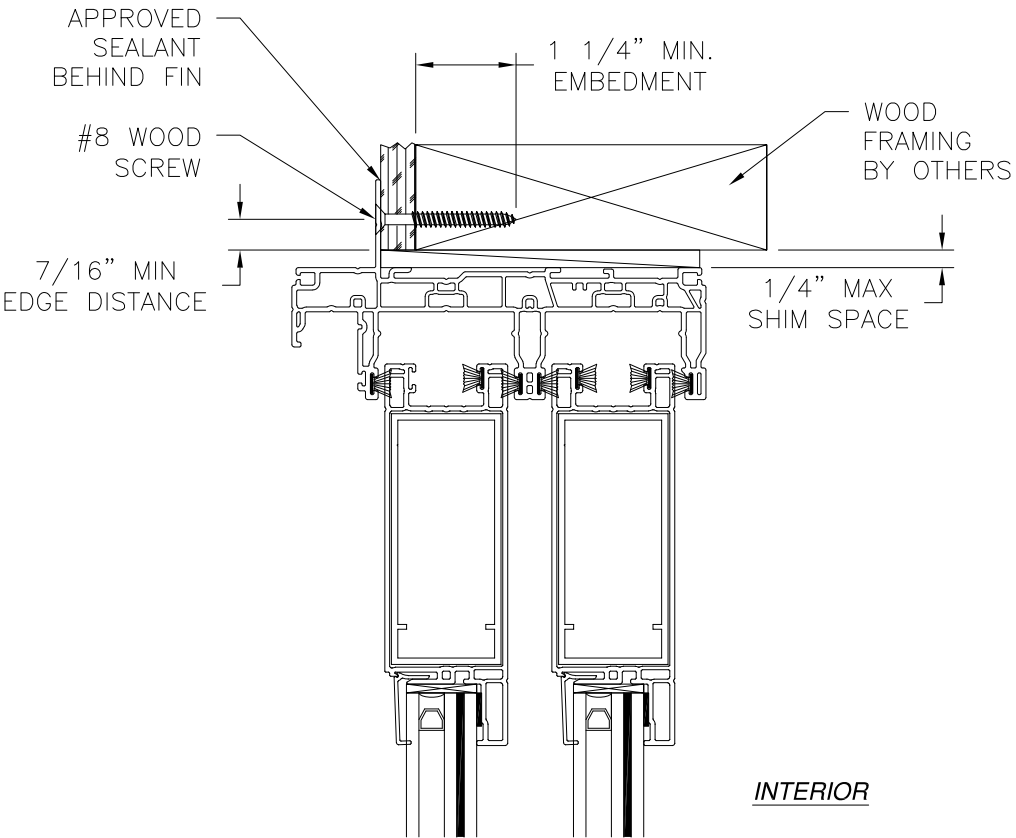
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LUIS R. LOMAS
LICENSED
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STATE OF
FLORIDA
PROFESSIONAL ENGINEER

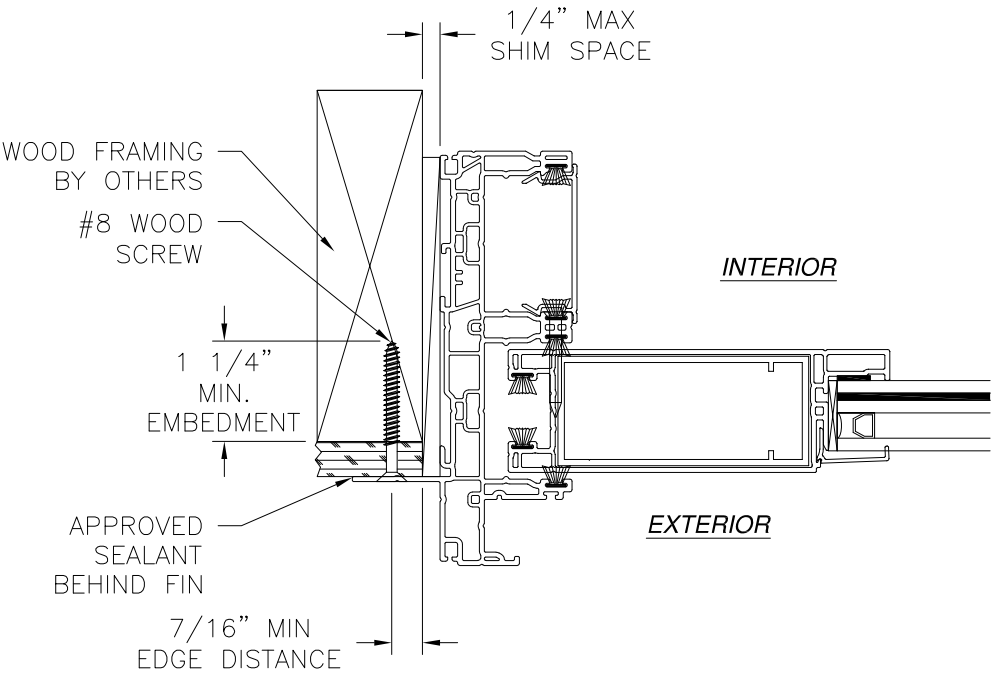
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EXTERIOR

INTERIOR

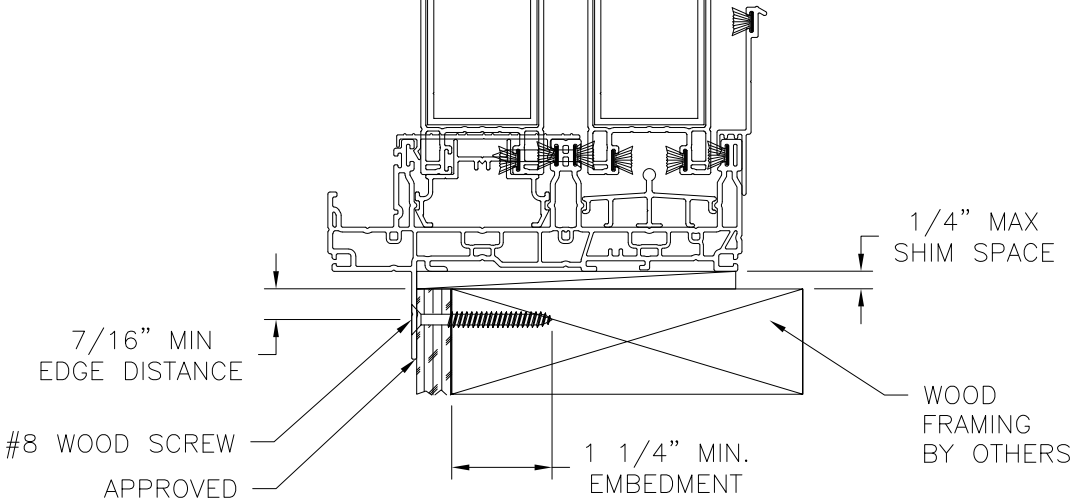


INTERIOR

EXTERIOR

JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

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VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION

SHWINCO ARCHITECTURAL PRODUCTS, LLC

171 JET SERVICES WAY
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FIN INSTALLATION DETAILS

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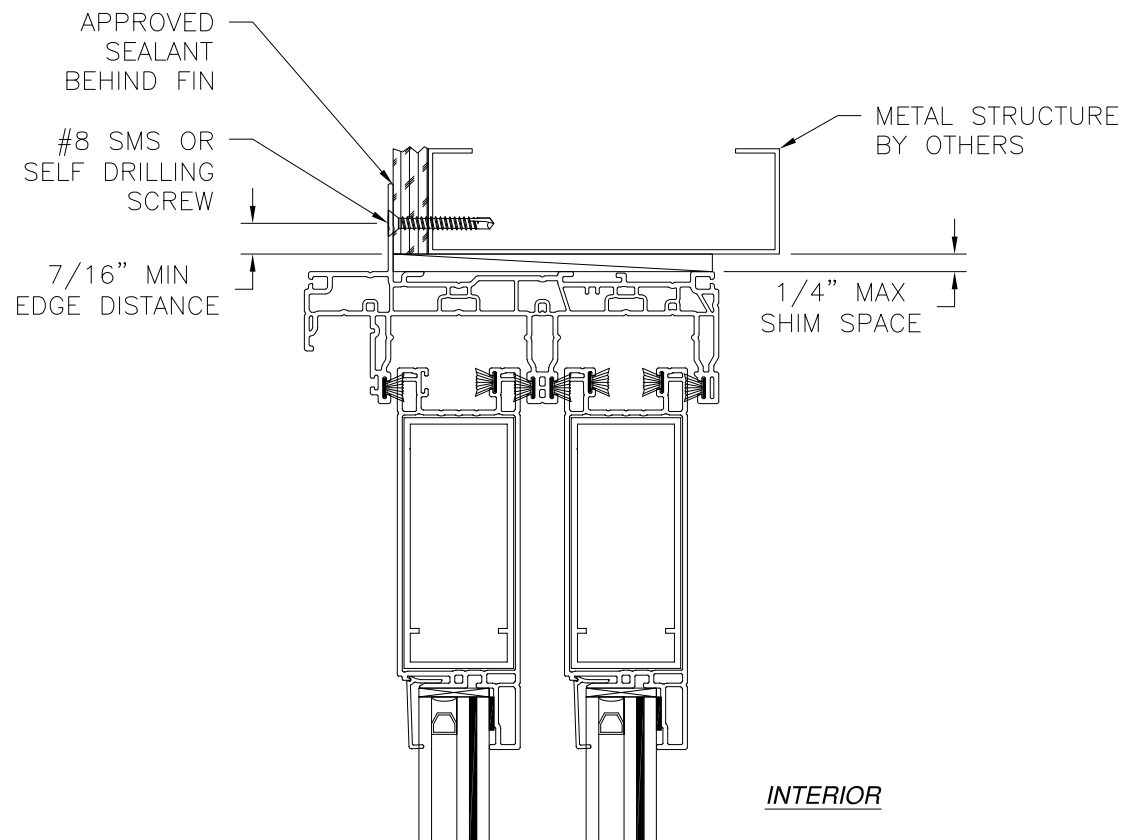
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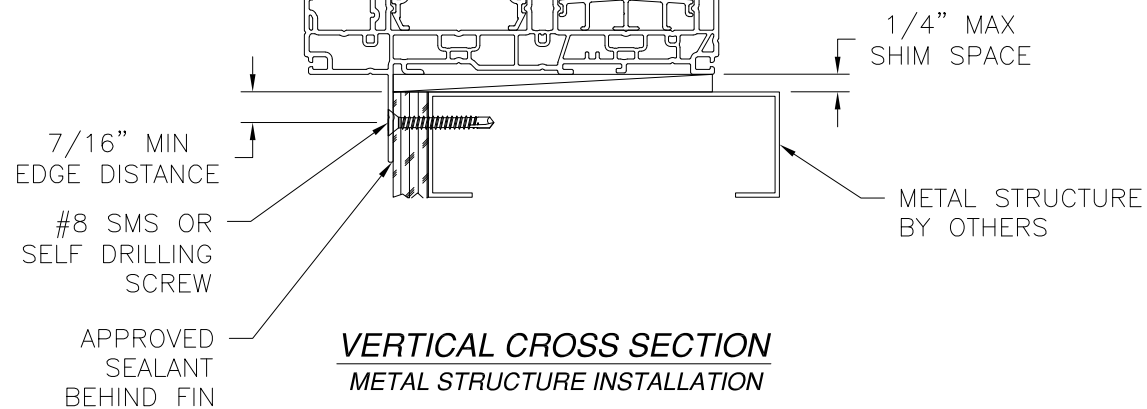


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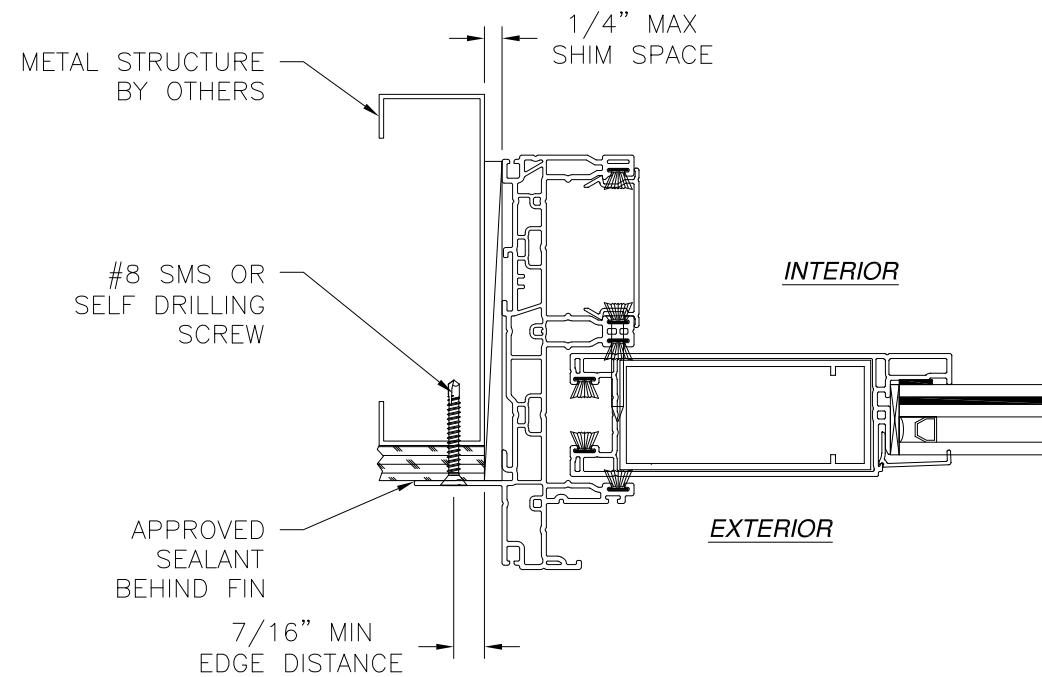


EXTERIOR

INTERIOR



VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION



JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION

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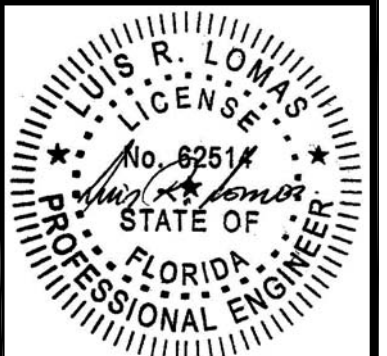
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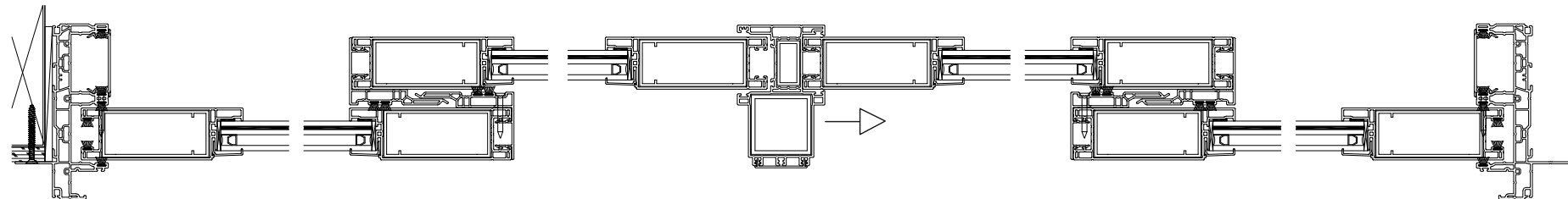
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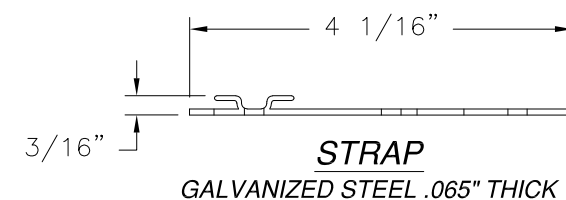


Luis R. Lomas P.E.
FL No.: 62514

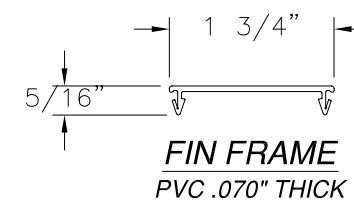


HORIZONTAL CROSS SECTION
FOR REFERENCE ONLY, SEE SHEETS 4-11 FOR INSTALLATION DETAILS

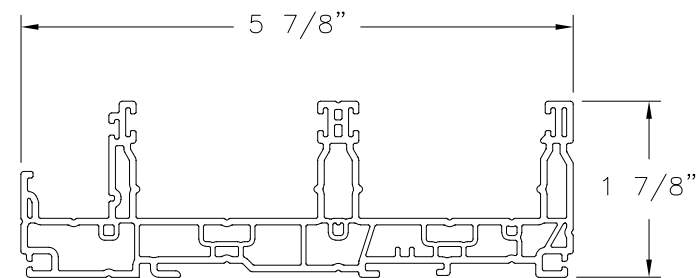
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	ADDED CONFIGURATIONS & GLASS DETAIL	06/15/2021	R.L.



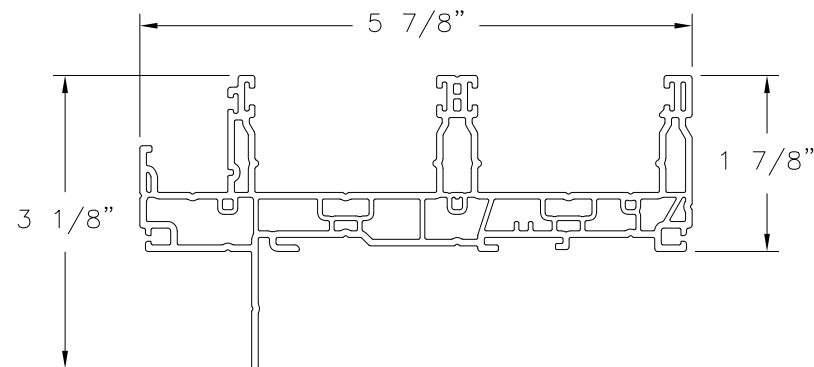
STRAP
GALVANIZED STEEL .065" THICK



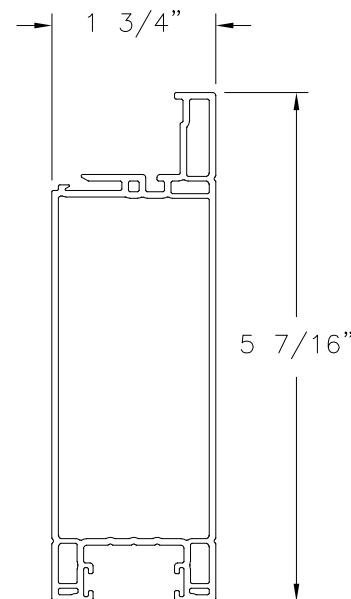
FIN FRAME
PVC .070" THICK



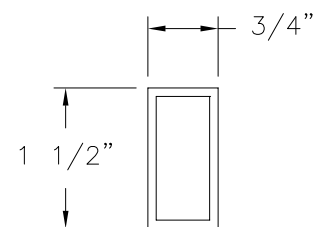
FINLESS FRAME
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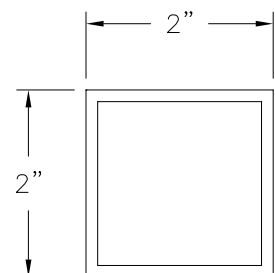
FIN FRAME
PVC .070" THICK



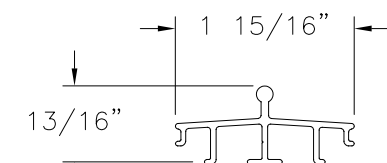
SASH FRAME
PVC .070" THICK



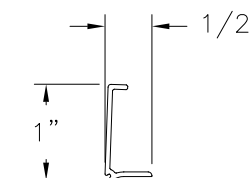
REINFORCEMENT
ALUMINUM 1/8" THICK



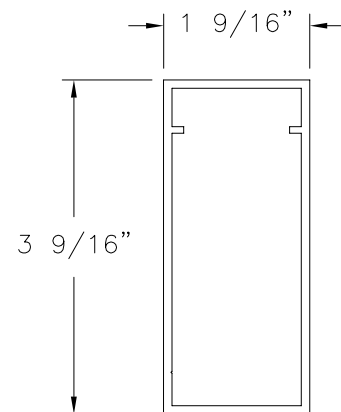
REINFORCEMENT
ALUMINUM 1/8" THICK



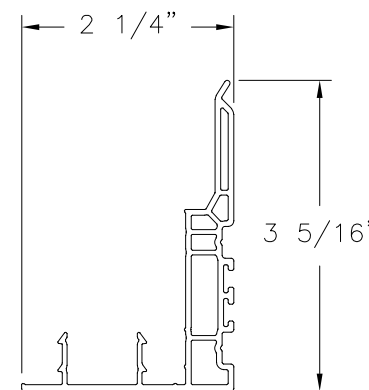
TRACK
ALUMINUM .060" THICK



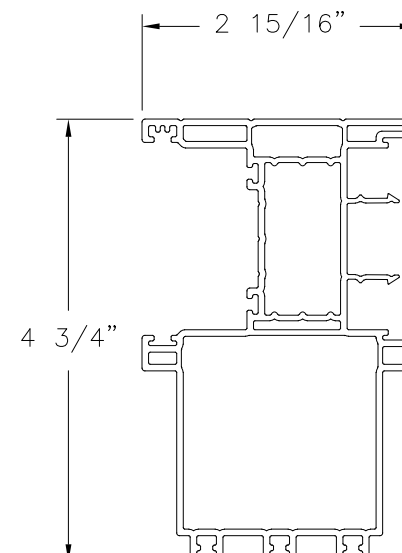
GLAZING BEAD
PVC .050" THICK



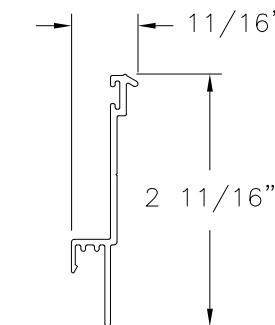
SASH REINFORCEMENT
ALUMINUM .090" THICK



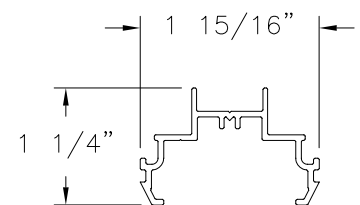
INTERLOCK
PVC .060" THICK



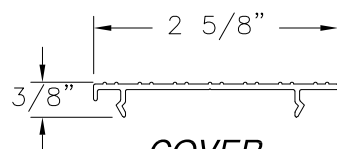
ASTRAGAL
PVC .070" THICK



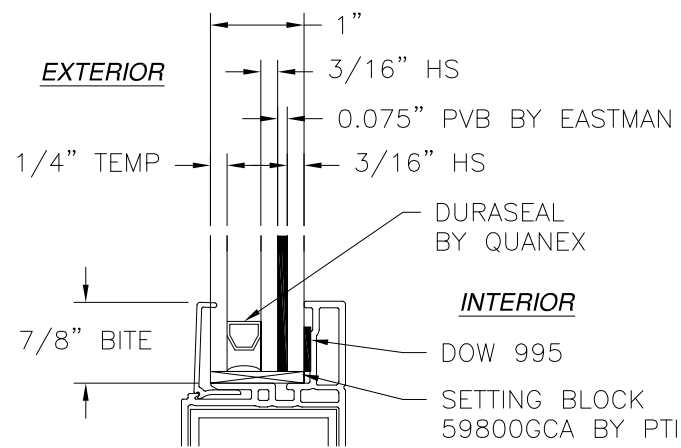
SILL RISER
ALUMINUM .070" THICK



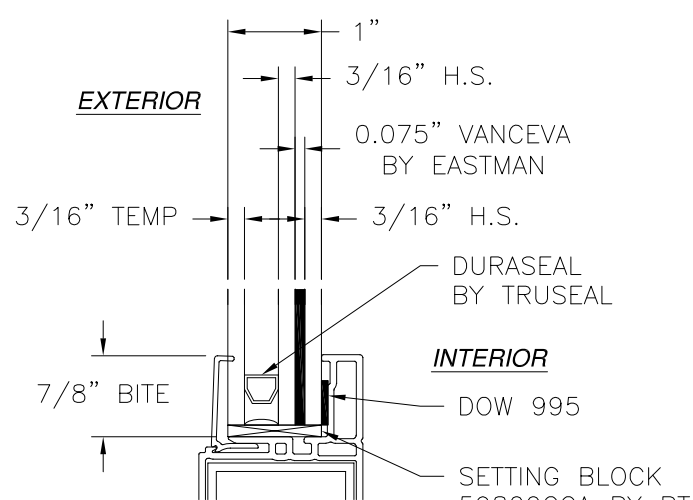
RISER
ALUMINUM .060" THICK



COVER
PVC .060" THICK



GLAZING DETAIL A



GLAZING DETAIL B

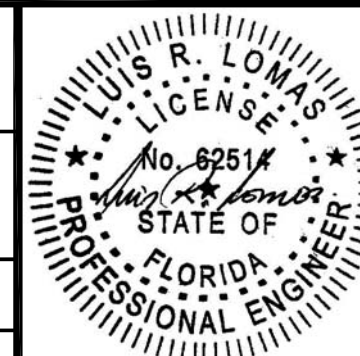
SHWINCO ARCHITECTURAL PRODUCTS, LLC
171 JET SERVICES WAY
DOTHAN, AL 36303

SERIES 9700 VINYL SGD 12080
OXXO IMPACT
COMPONENTS

DRAWN: R.L.	DWG NO. 08-03565	REV A
SCALE NTS	DATE 06/09/2020	SHEET 12 OF 12

L. ROBERTO LOMAS P.E.
1432 WOODFORD RD LEWISVILLE, NC 27023
434-688-0609 rllomas@lrlomaspe.com

SIGNED: 06/30/2021



Luis R. Lomas P.E.
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