

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 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 E1300-04/09 WITH SAFETY GLAZING.
13. APPROVED IMPACT PROTECTIVE SYSTEM IS 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 1/2" MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.

15. FOR ANCHORING THROUGH FIN 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.
16. 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.
17. FOR ANCHORING THROUGH FRAME OR STRAP 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.
18. 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.
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: 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 .125" THICK MINIMUM
21. APPROVED CONFIGURATIONS: OX, XO, XX, OXX, OOX, XOO, OXO, XOY AND XXO.

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2 - 3	ELEVATIONS
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12	COMPONENTS

SHWINCO ARCHITECTURAL PRODUCTS, LLC

171 JET SERVICES WAY
DOTHAN, AL 36303

SERIES 9700 VINYL SGD 12080
OXX NON-IMPACT
NOTES

DRAWN:
R.L.

DWG NO.
08-03564

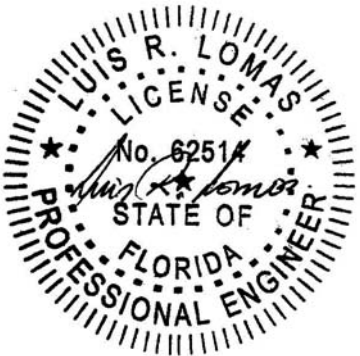
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SCALE NTS

DATE 06/09/2020

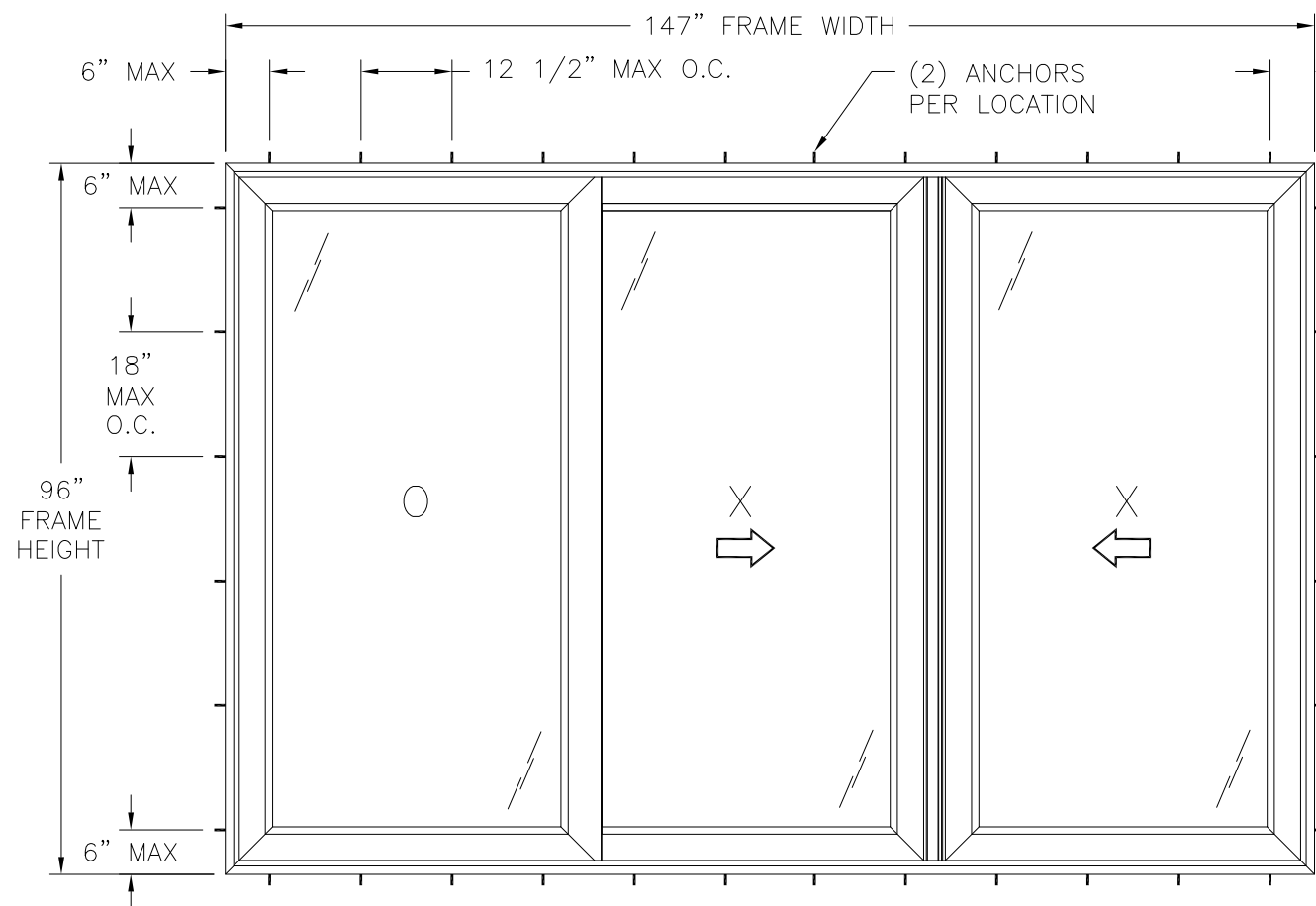
SHEET 1 OF 12

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



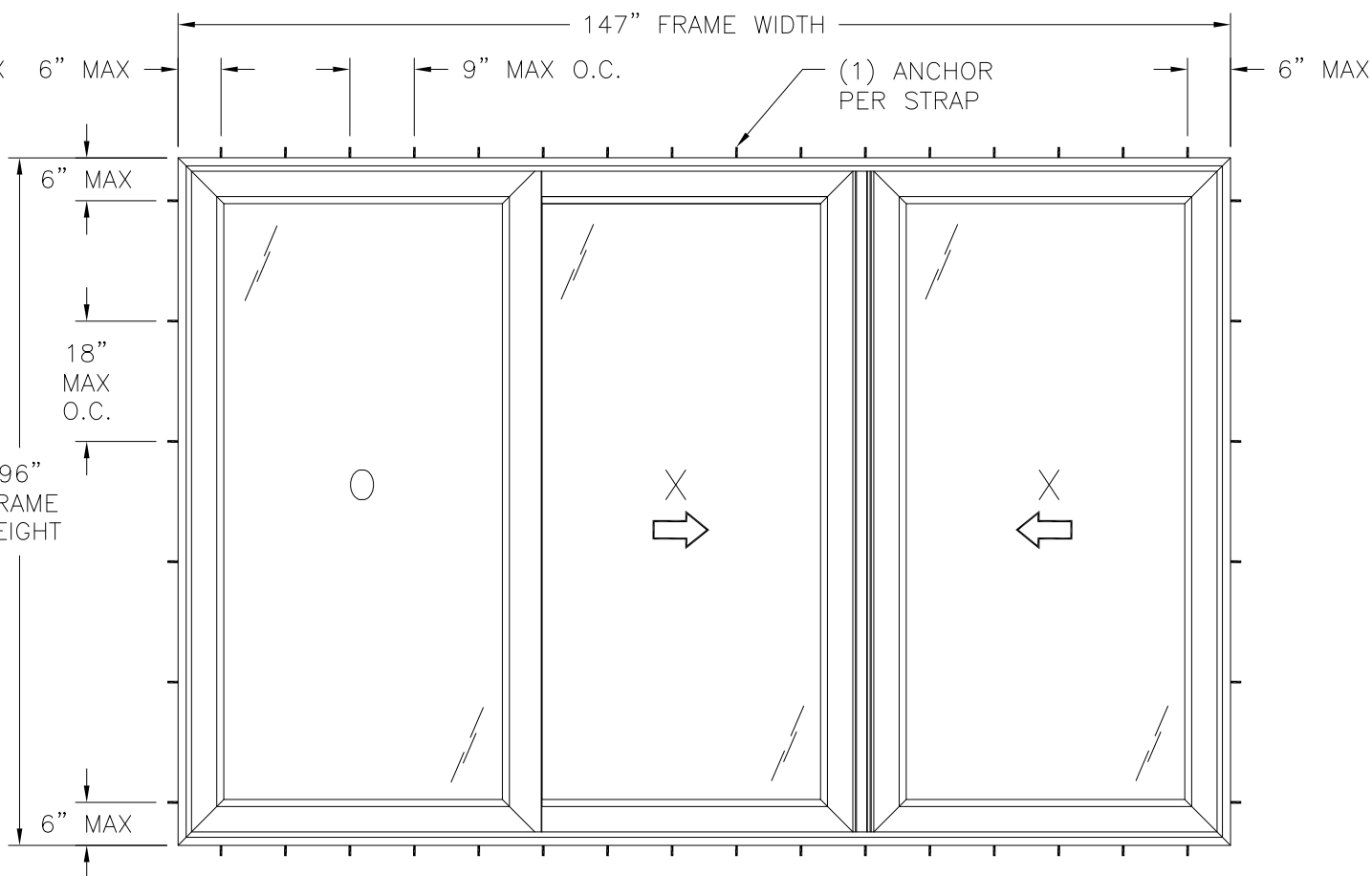
Luis R. Lomas P.E.
FL No.: 62514

REVISIONS			
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SERIES 9700 VINYL SGD OXX
EXTERIOR VIEW
FRAME INSTALLATION

WITH 3.75" SILL RISER



SERIES 9700 VINYL SGD OXX
EXTERIOR VIEW
STRAP INSTALLATION

DESIGN PRESSURE RATING	IMPACT RATING
±70.0PSF	NONE

- NOTES:
- PANEL SIZE: 49 3/8" X 93 1/4"
 - PANEL D.L.O.: 38 1/4" 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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ELEVATIONS

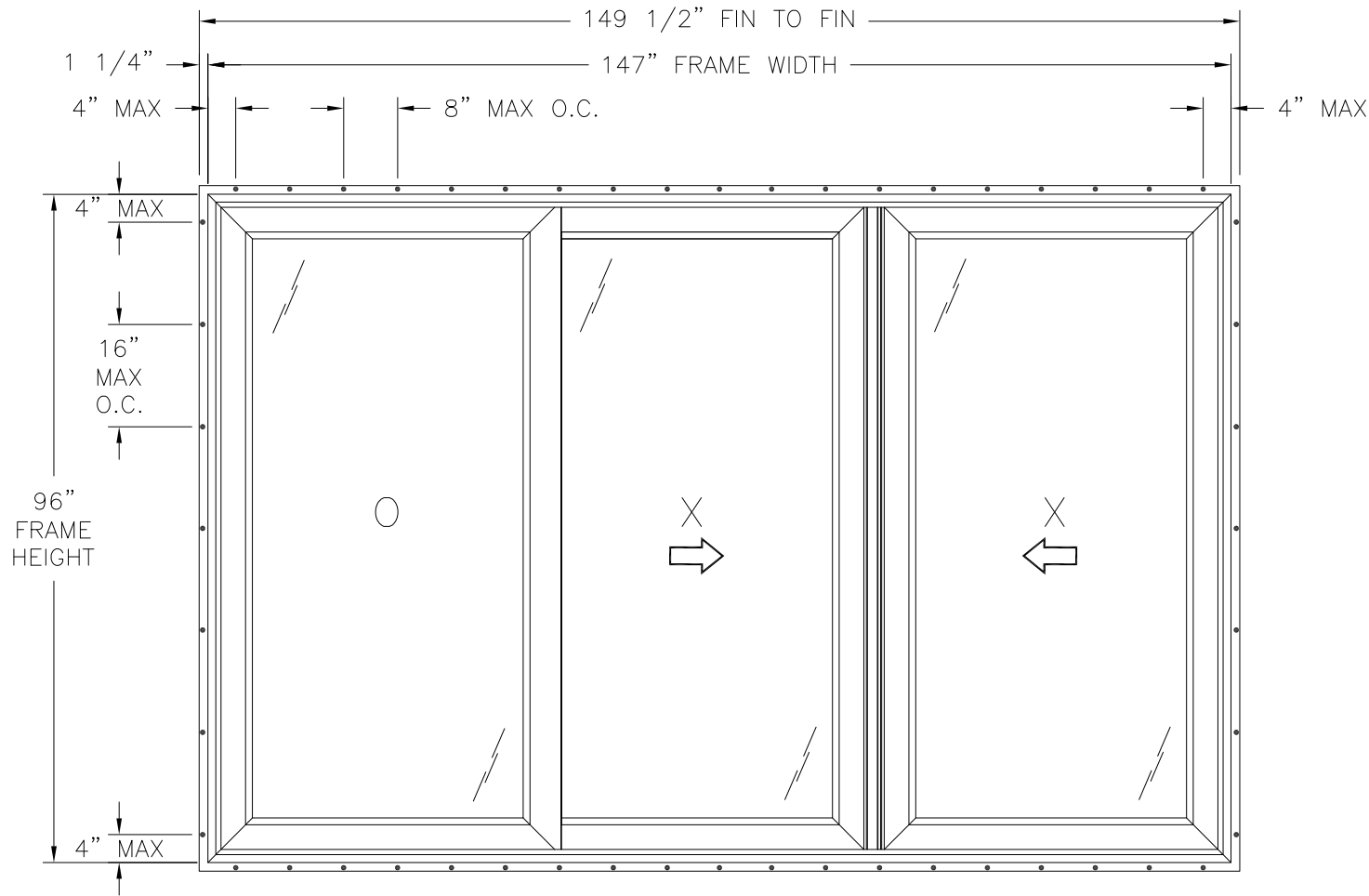
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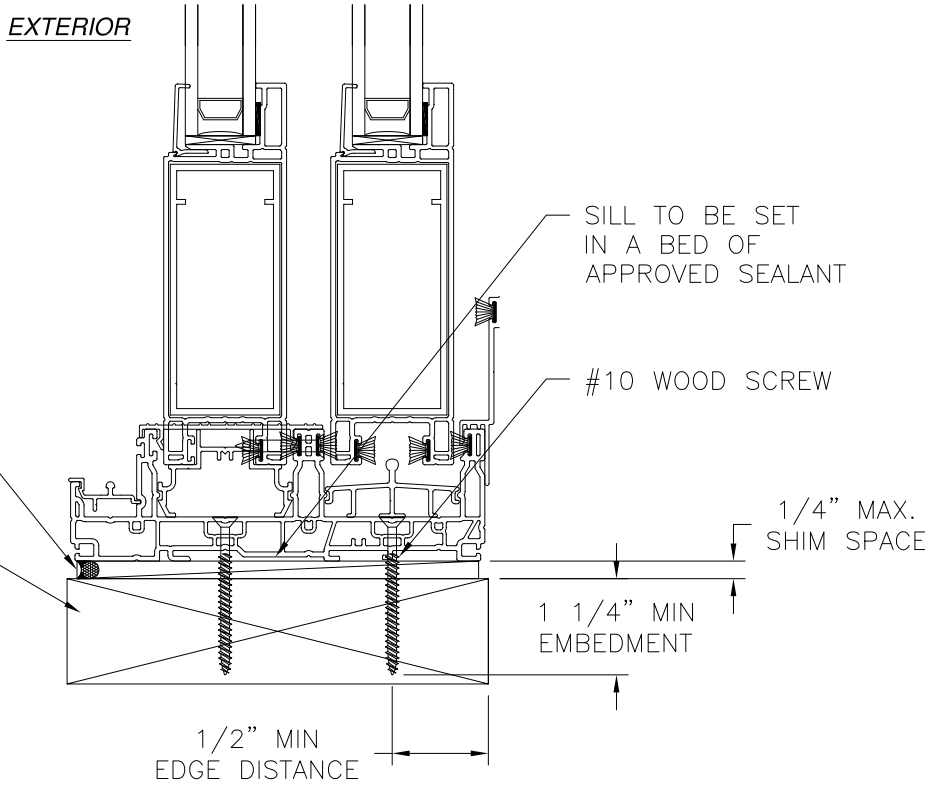
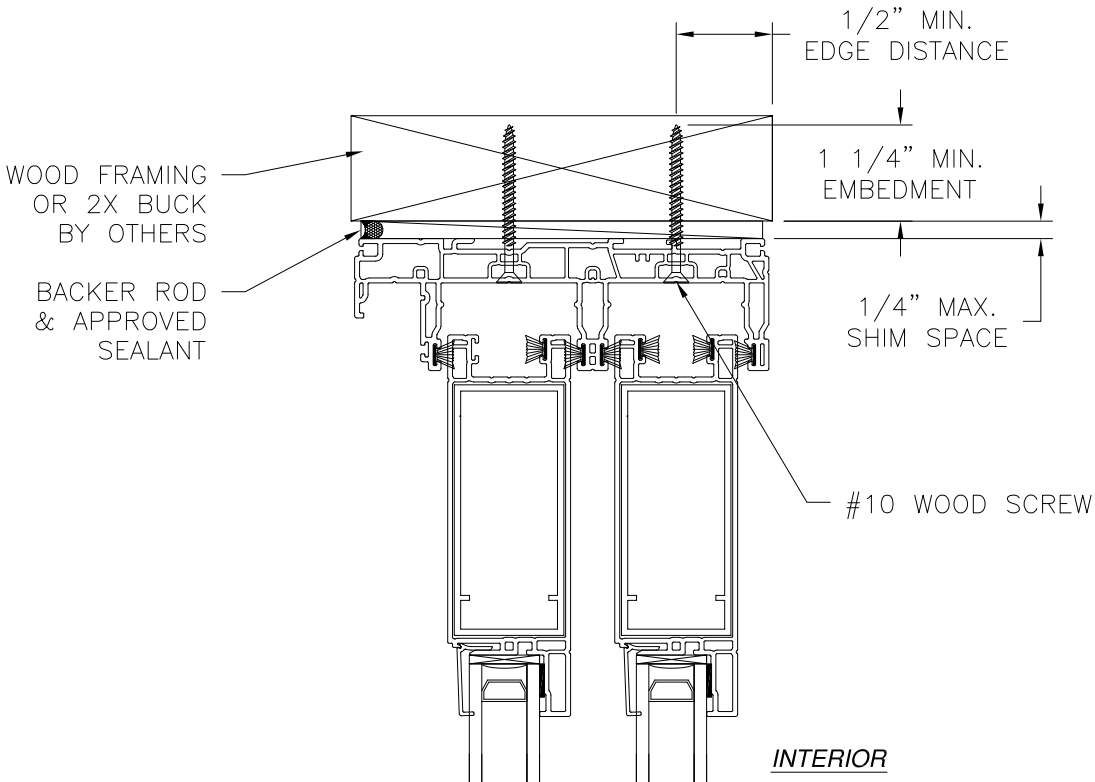
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EXTERIOR VIEW
FIN INSTALLATION
FOR RATINGS AND NOTES SEE SHEET 2

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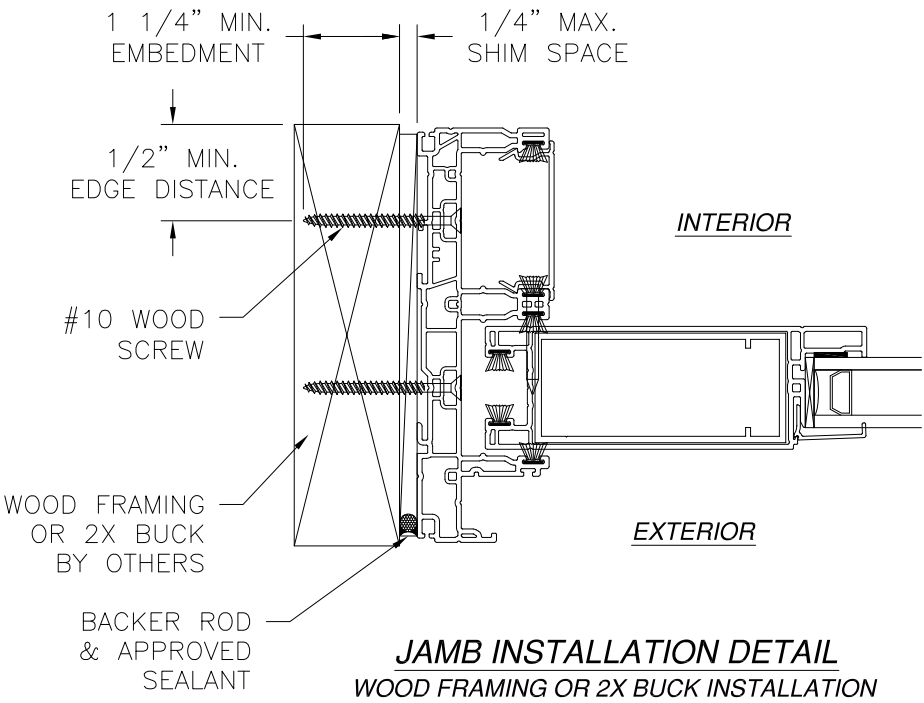
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SCALE NTS	DATE 06/09/2020	SHEET 3 OF 12
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@lrlomaspe.com		

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VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION



- NOTES:**
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SHWINCO ARCHITECTURAL PRODUCTS, LLC
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SERIES 9700 VINYL SGD 12080
OXX NON-IMPACT
FRAME INSTALLATION DETAILS

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4 OF 12

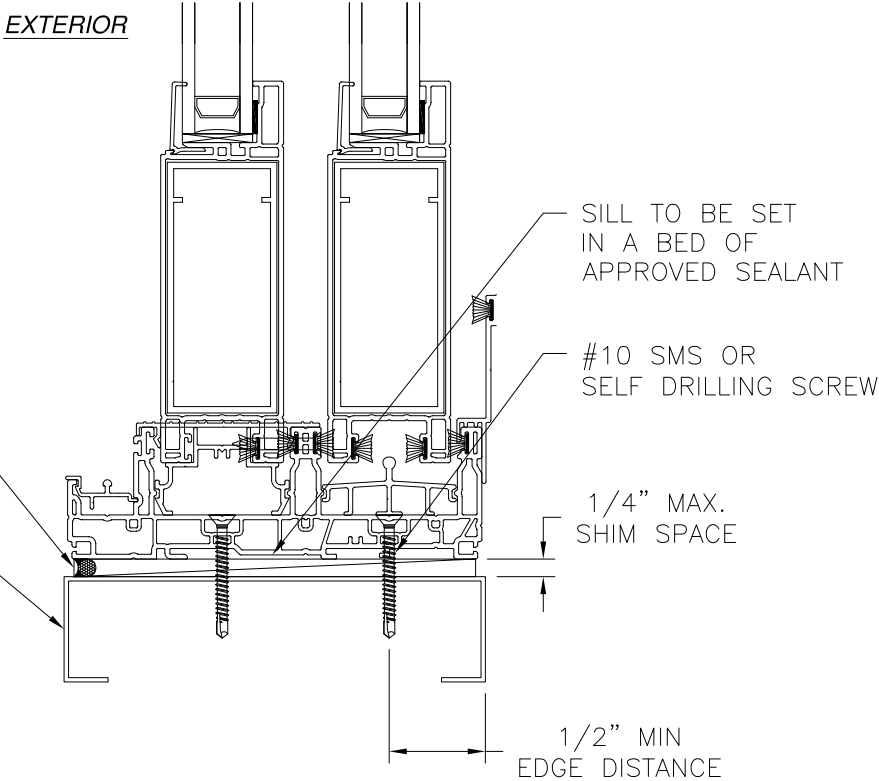
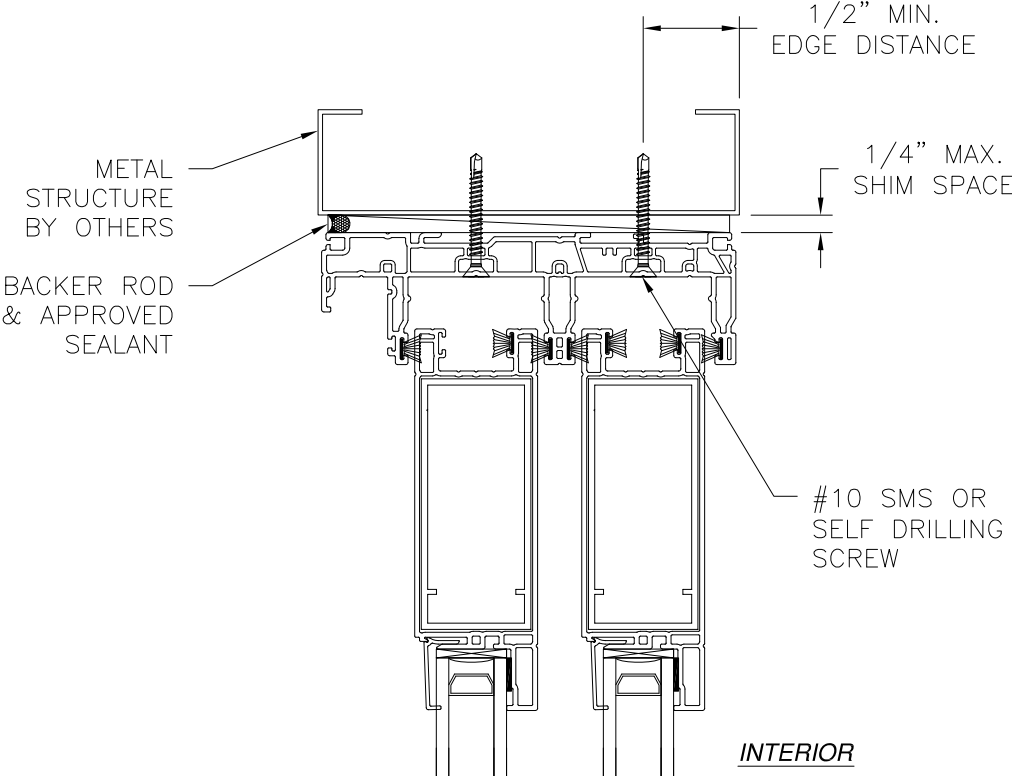
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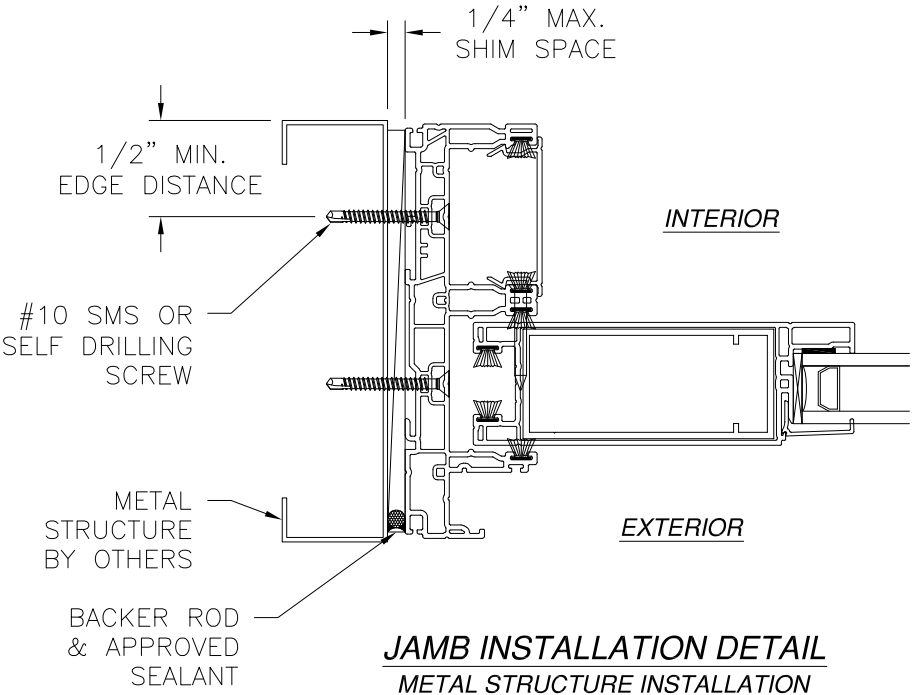


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VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION



JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION

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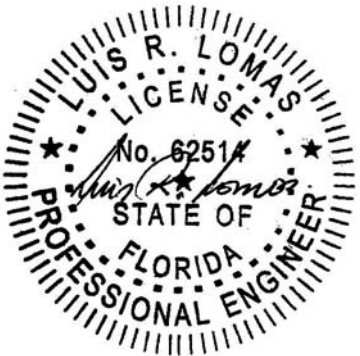
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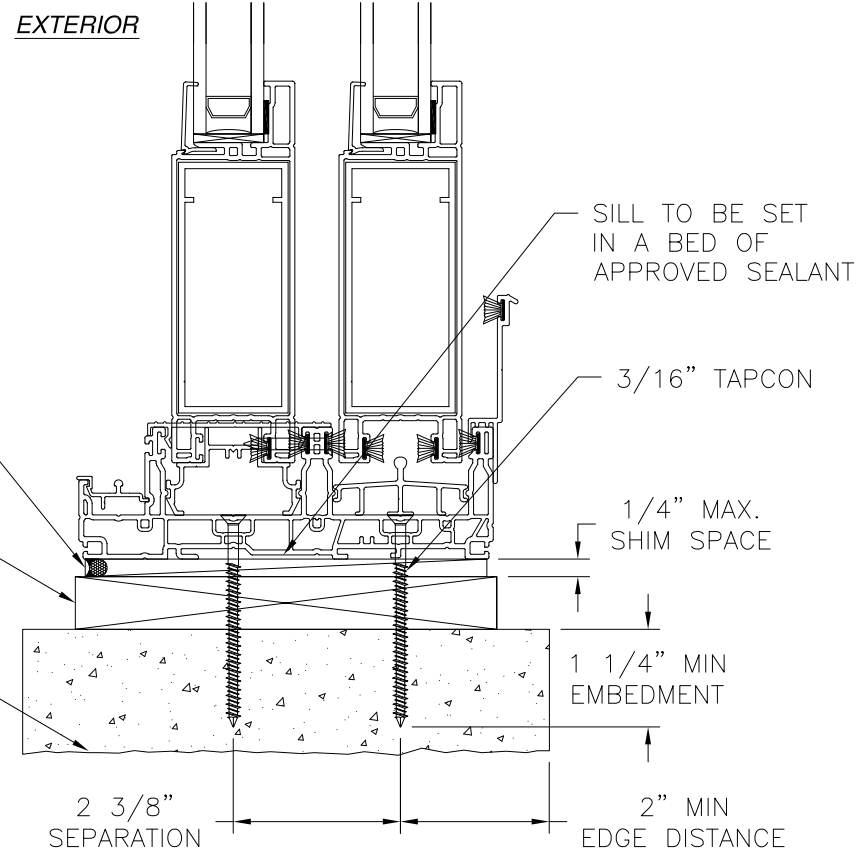
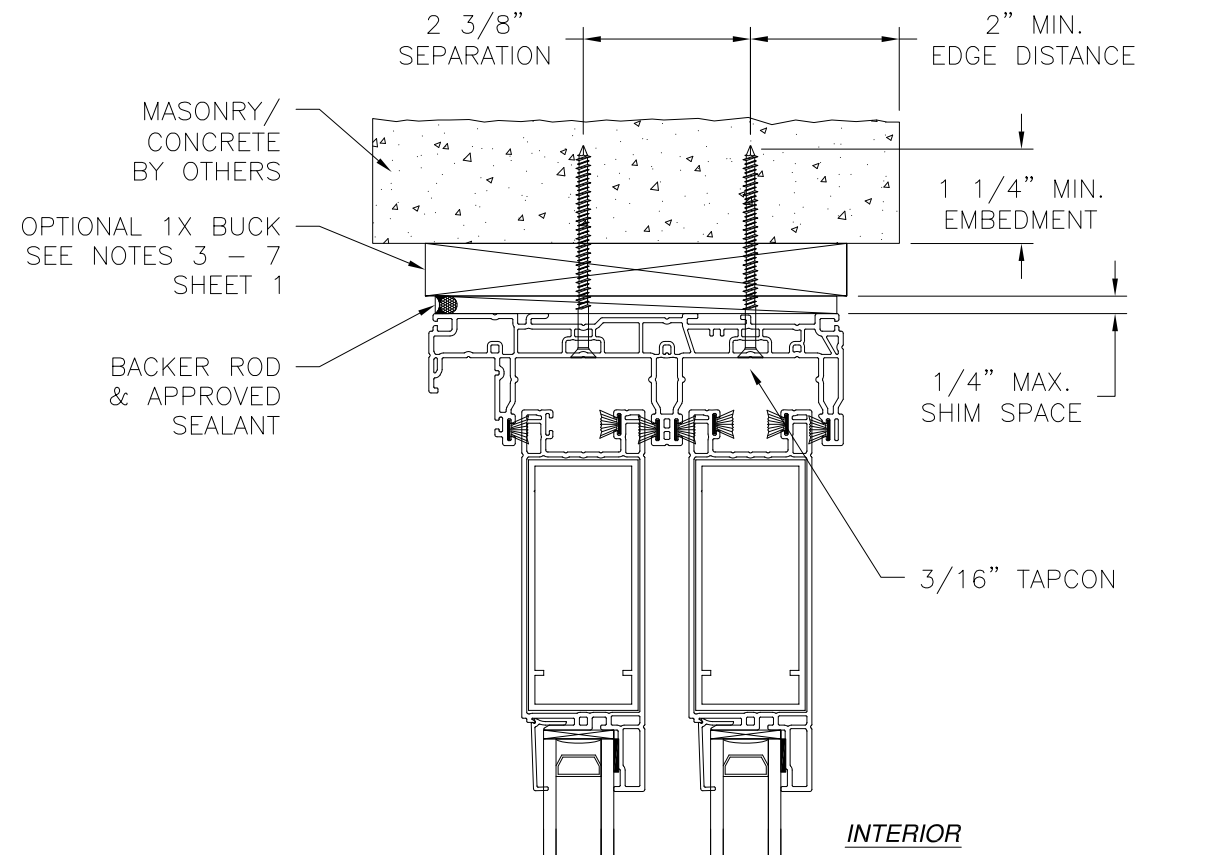
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OF
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rlomas@lrlomaspe.com

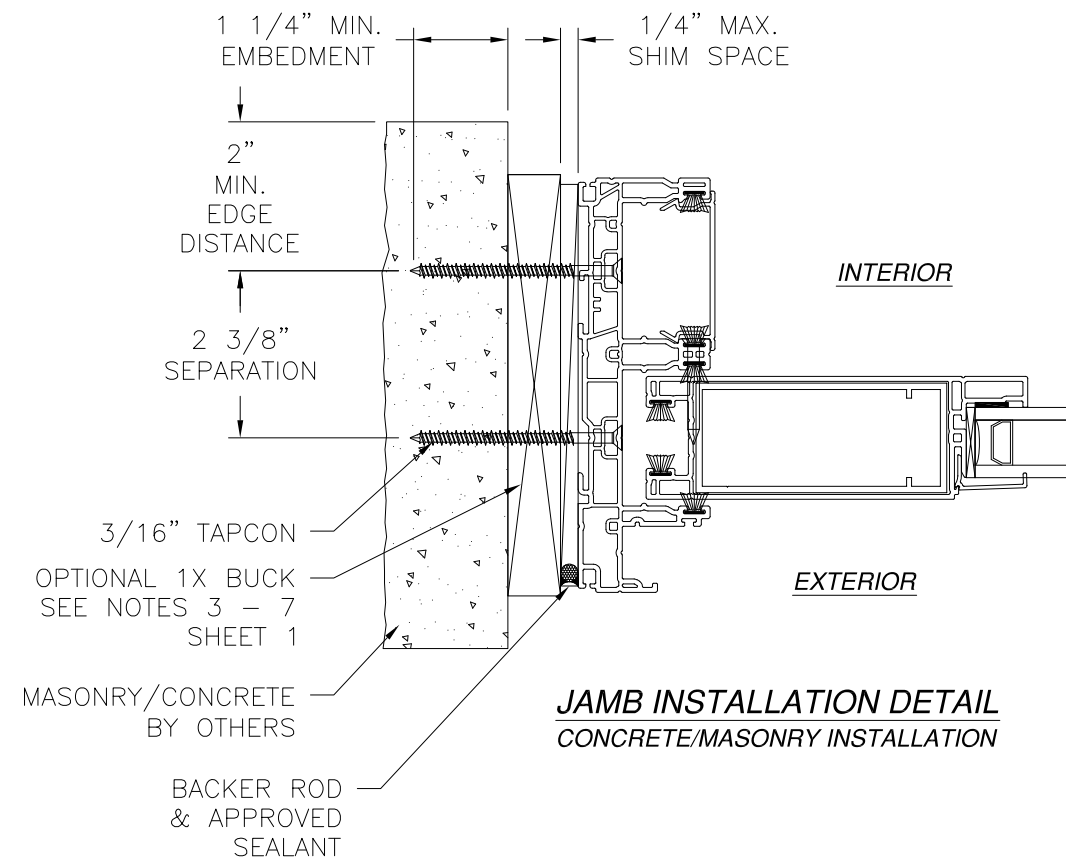
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VERTICAL CROSS SECTION
CONCRETE/MASONRY INSTALLATION



JAMB INSTALLATION DETAIL
CONCRETE/MASONRY INSTALLATION

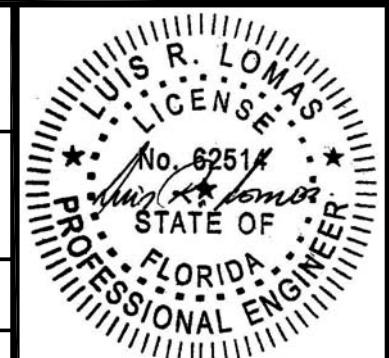
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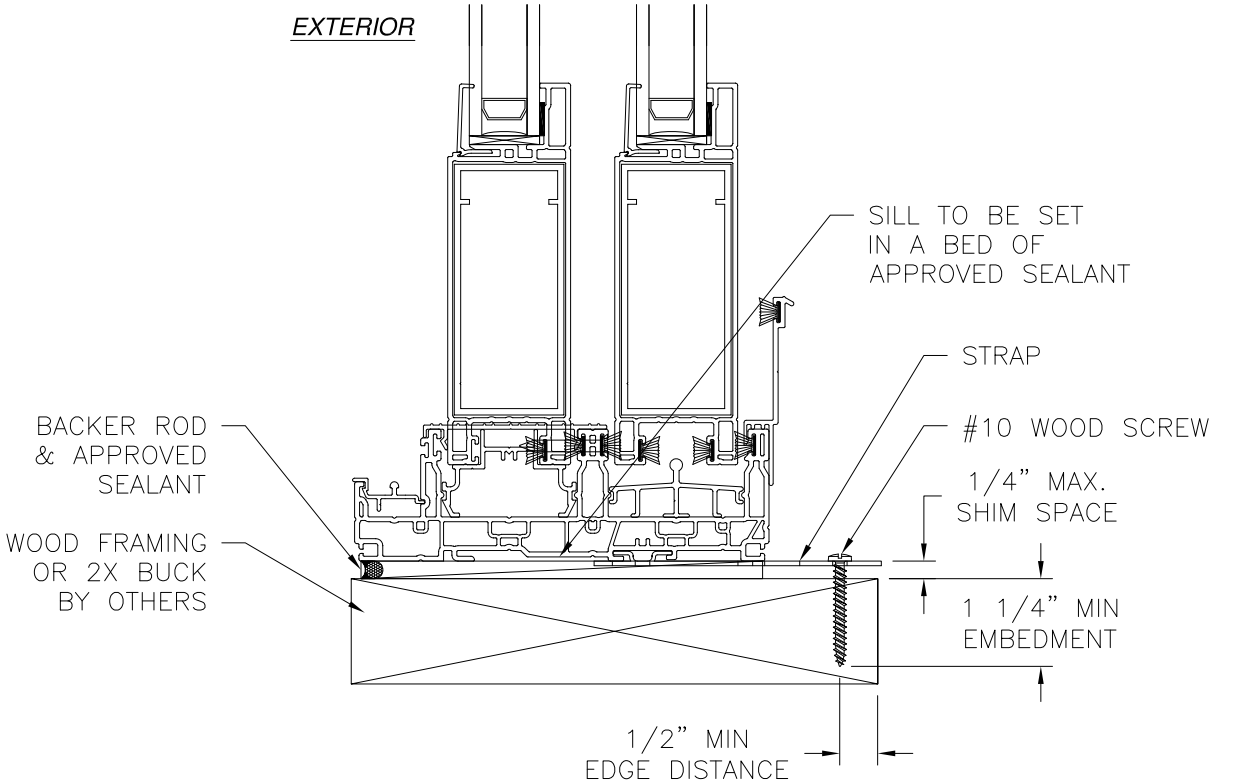
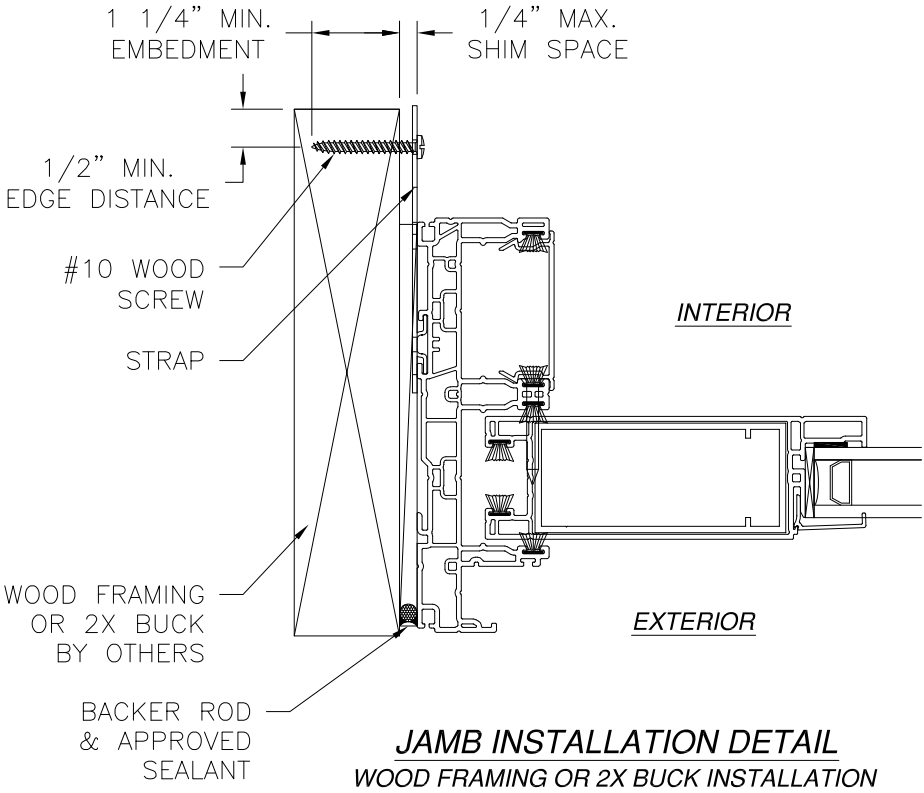
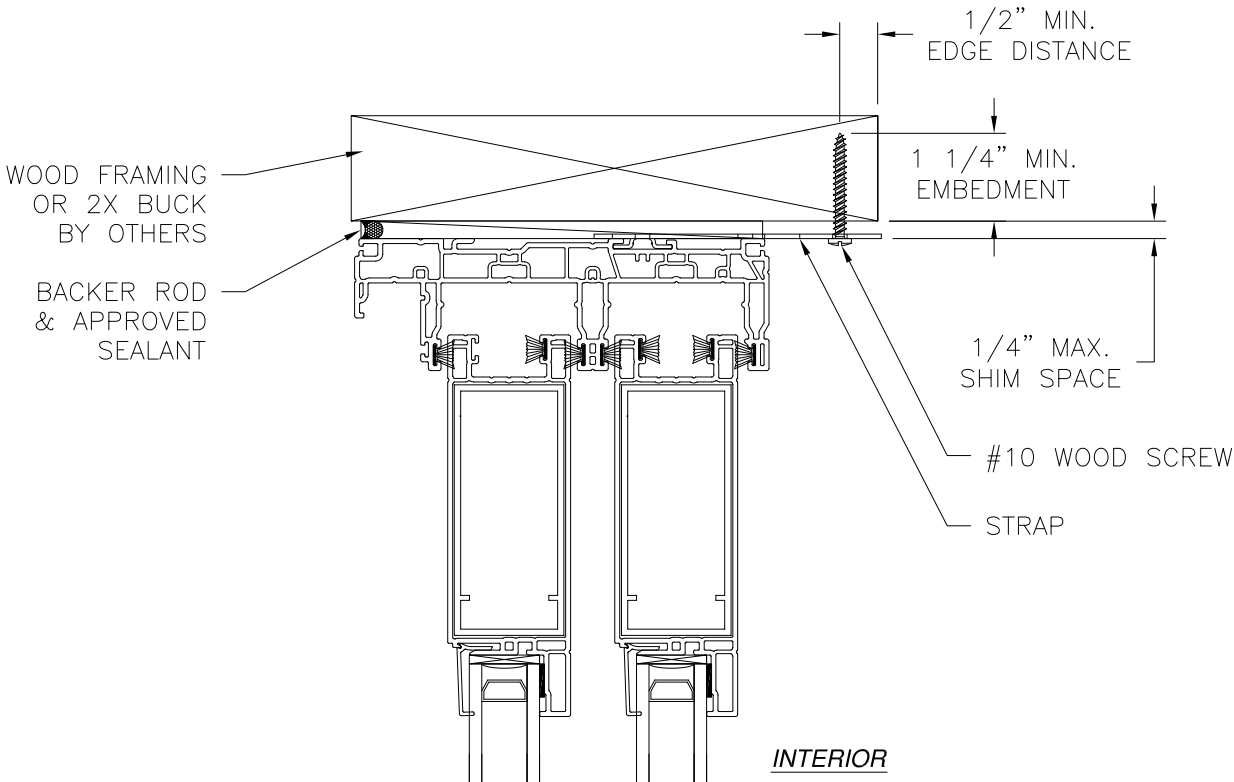
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SERIES 9700 VINYL SGD 12080 OXX NON-IMPACT FRAME INSTALLATION DETAILS		
DRAWN: R.L.	DWG NO. 08-03564	REV -
SCALE NTS	DATE 06/09/2020	SHEET 6 OF 12
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@lrlomaspe.com		

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STRAP INSTALLATION DETAILS

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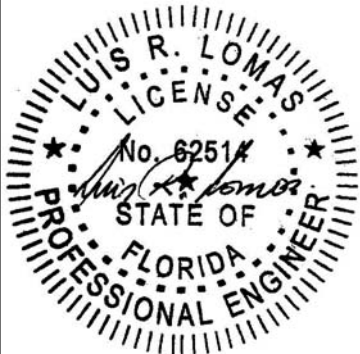
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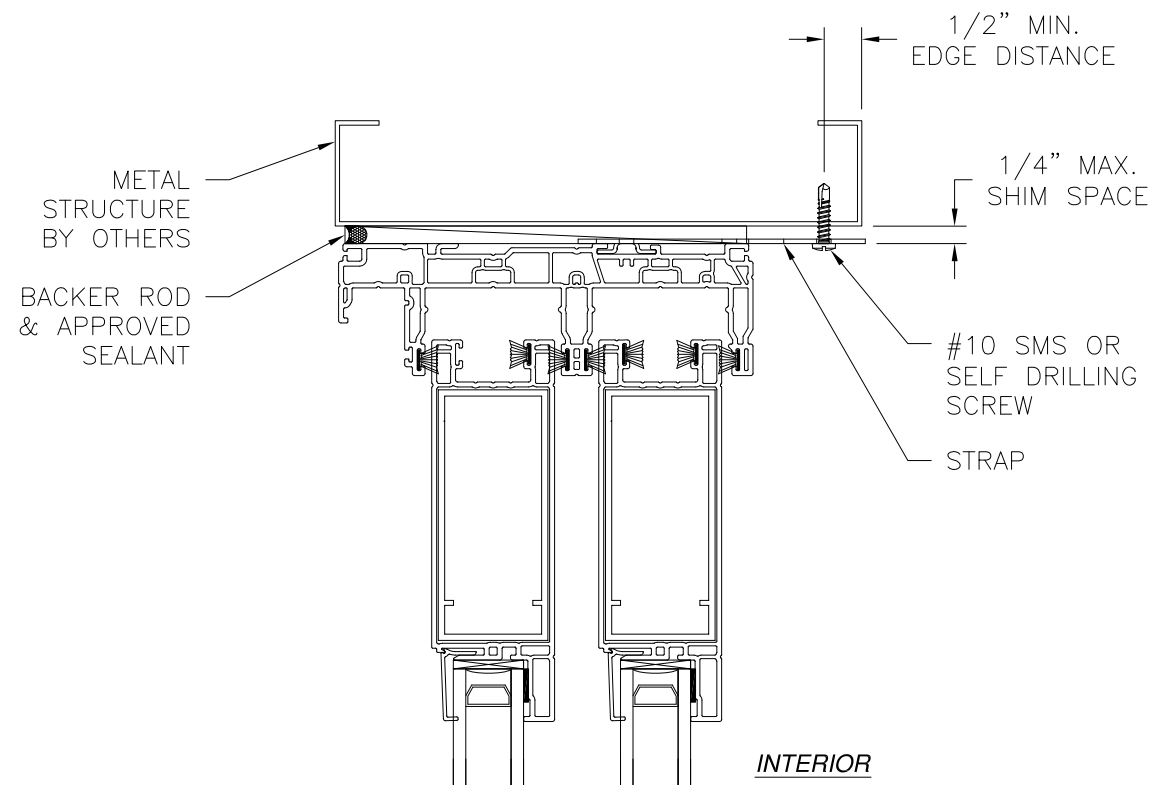
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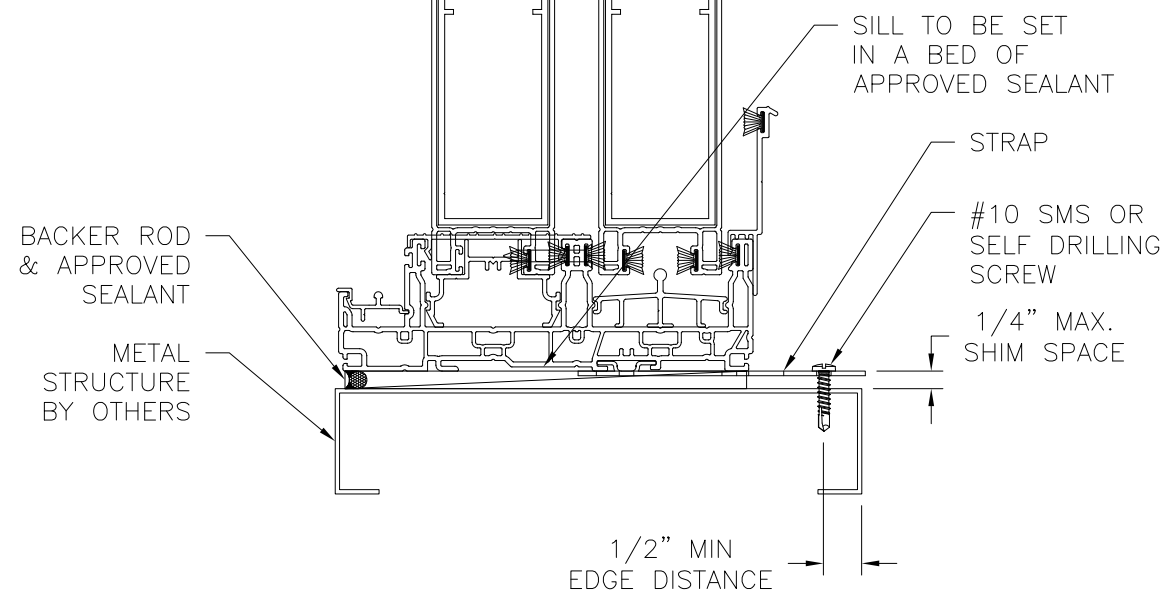


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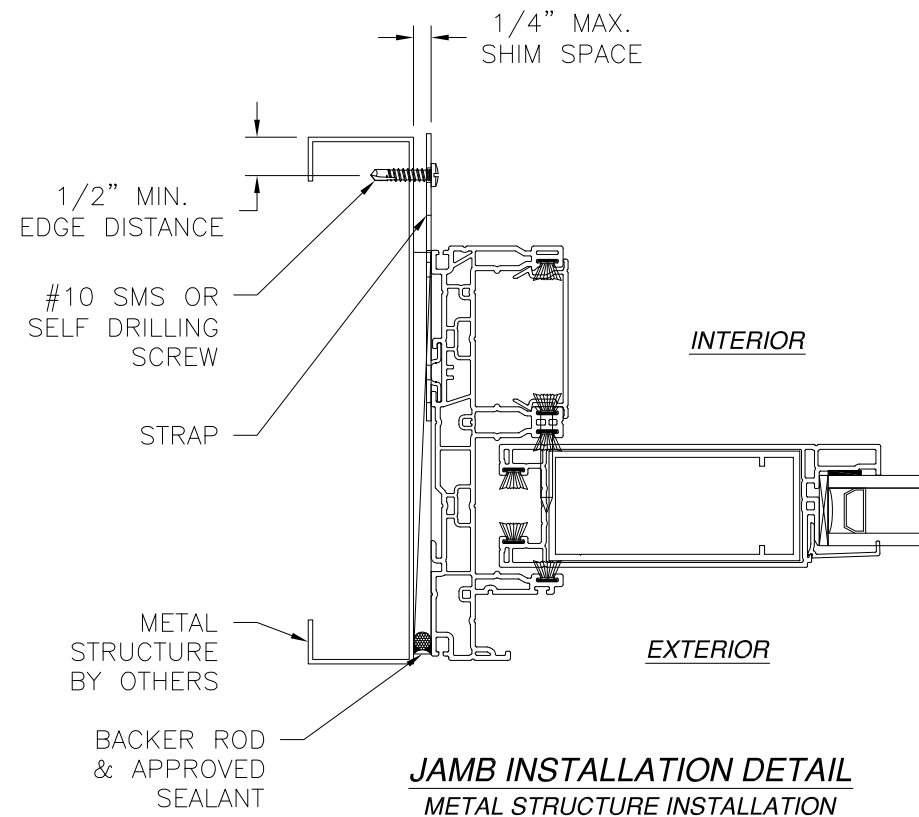
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EXTERIOR



VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION



JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION

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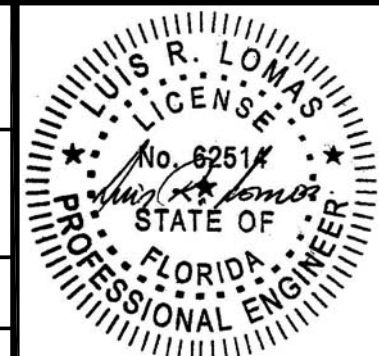
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171 JET SERVICES WAY
DOTHAN, AL 36303

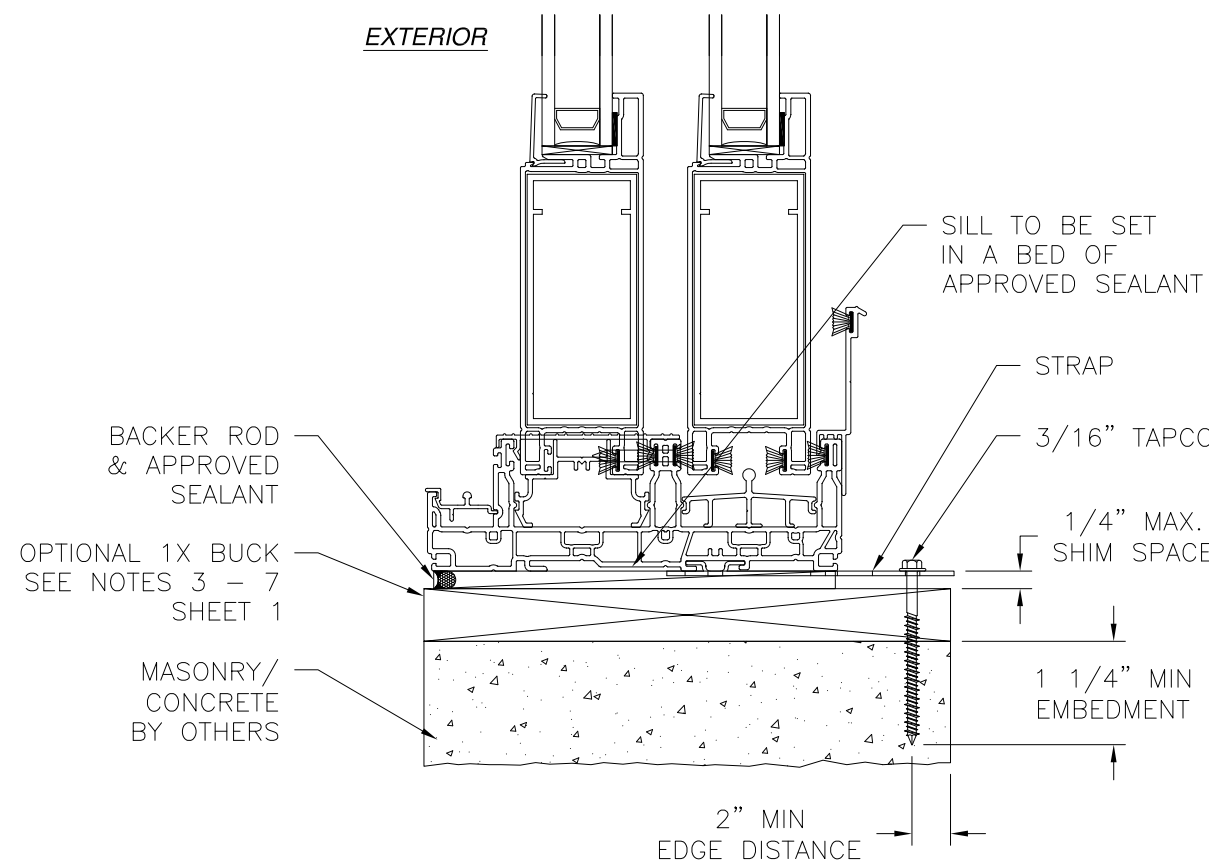
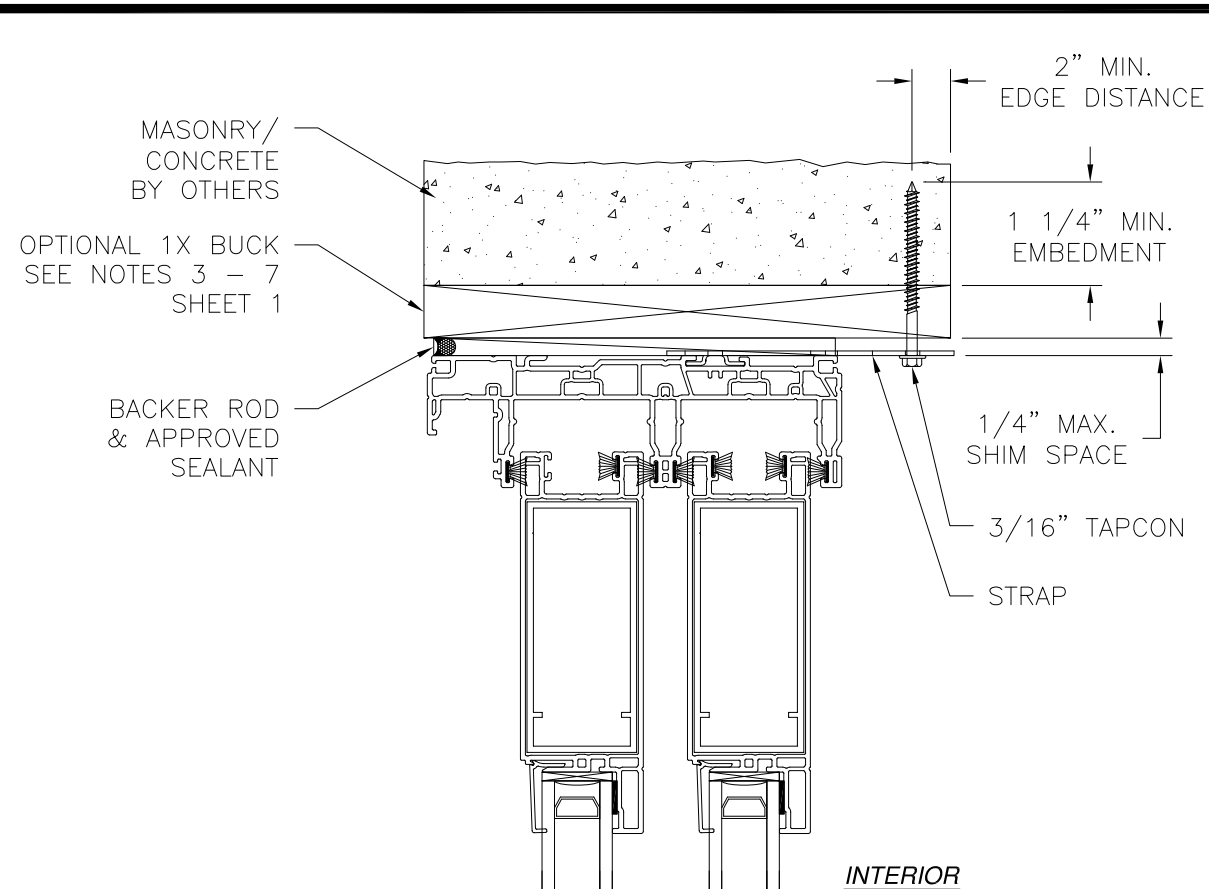
SERIES 9700 VINYL SGD 12080
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STRAP INSTALLATION DETAILS

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SCALE NTS	DATE 06/09/2020	SHEET 8 OF 12

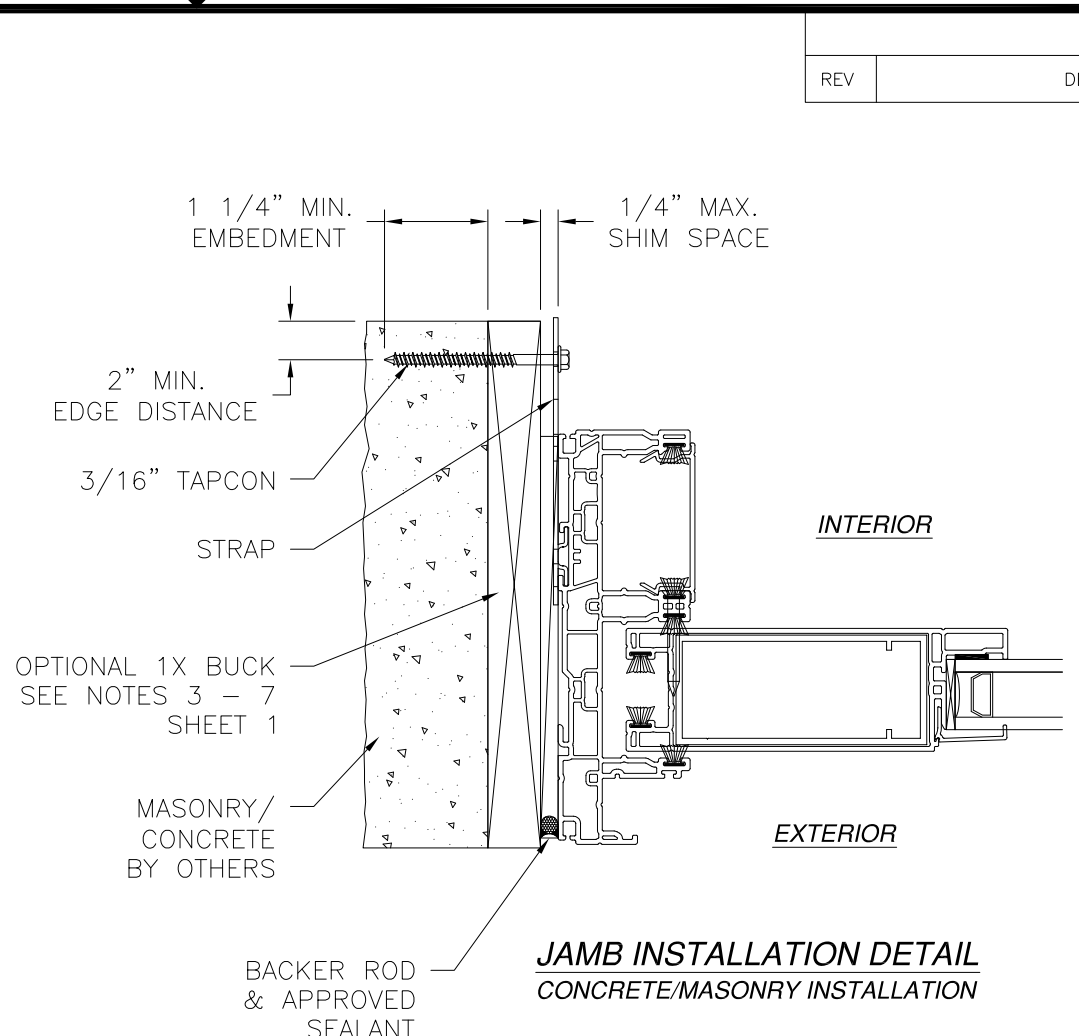
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VERTICAL CROSS SECTION
CONCRETE/MASONRY INSTALLATION



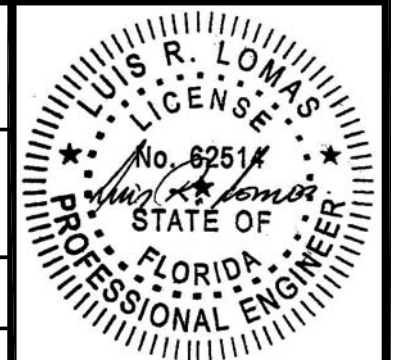
JAMB INSTALLATION DETAIL
CONCRETE/MASONRY INSTALLATION

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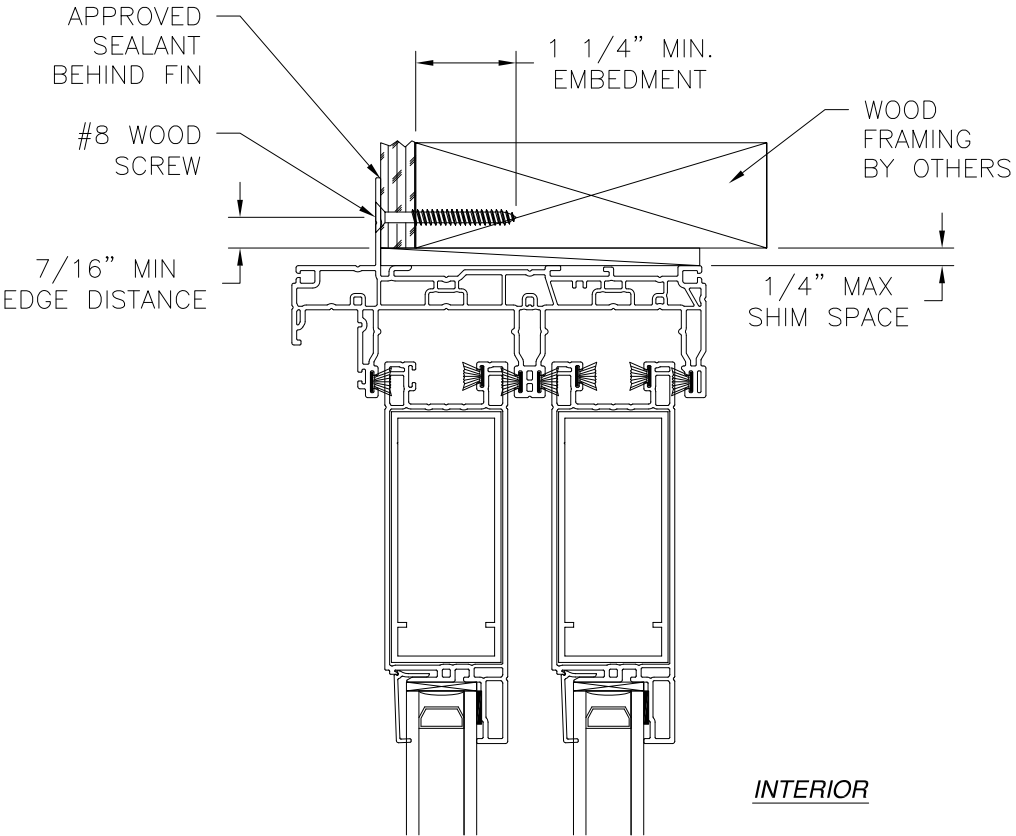
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171 JET SERVICES WAY DOTHAN, AL 36303		
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L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@lrlomaspe.com		



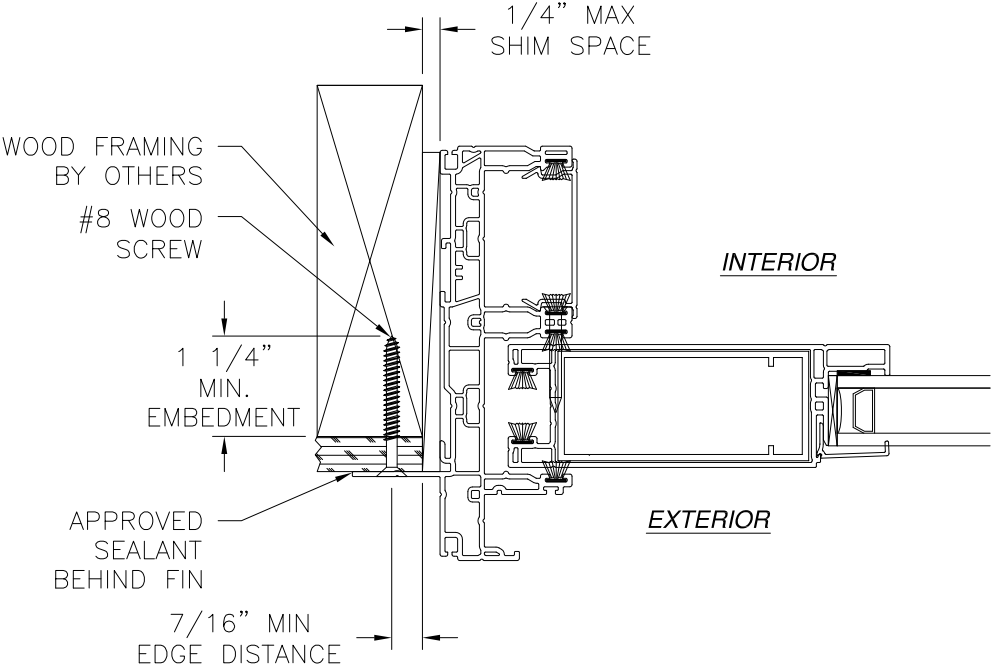
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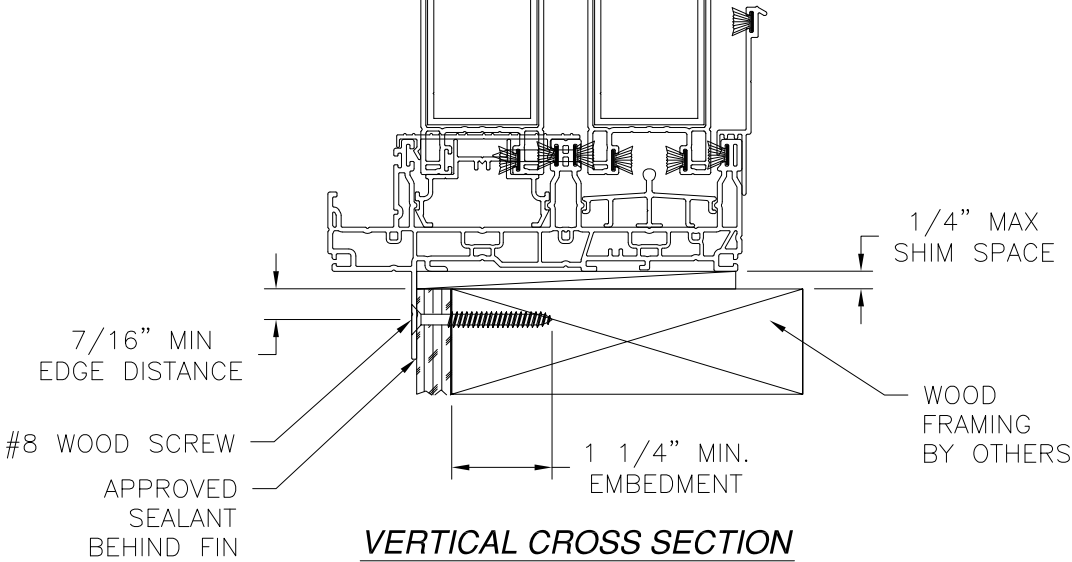
EXTERIOR

INTERIOR



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
 DOTHAN, AL 36303

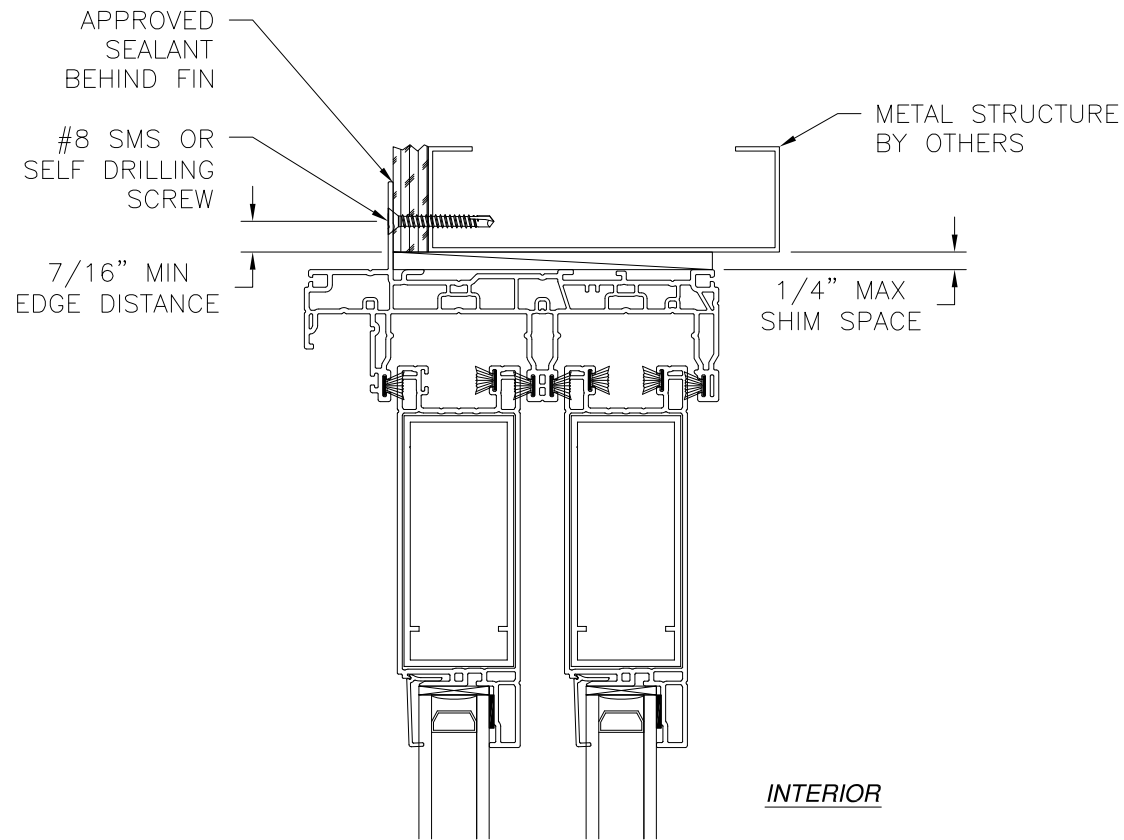
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 FIN INSTALLATION DETAILS

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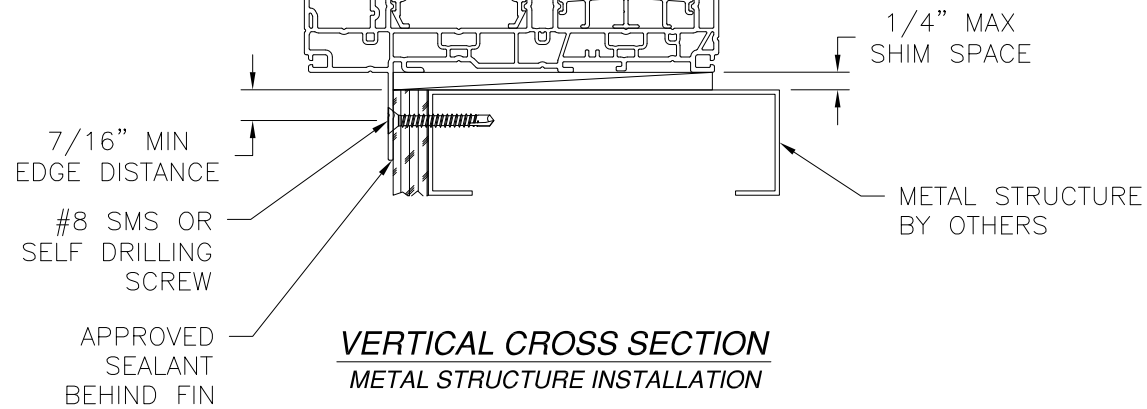


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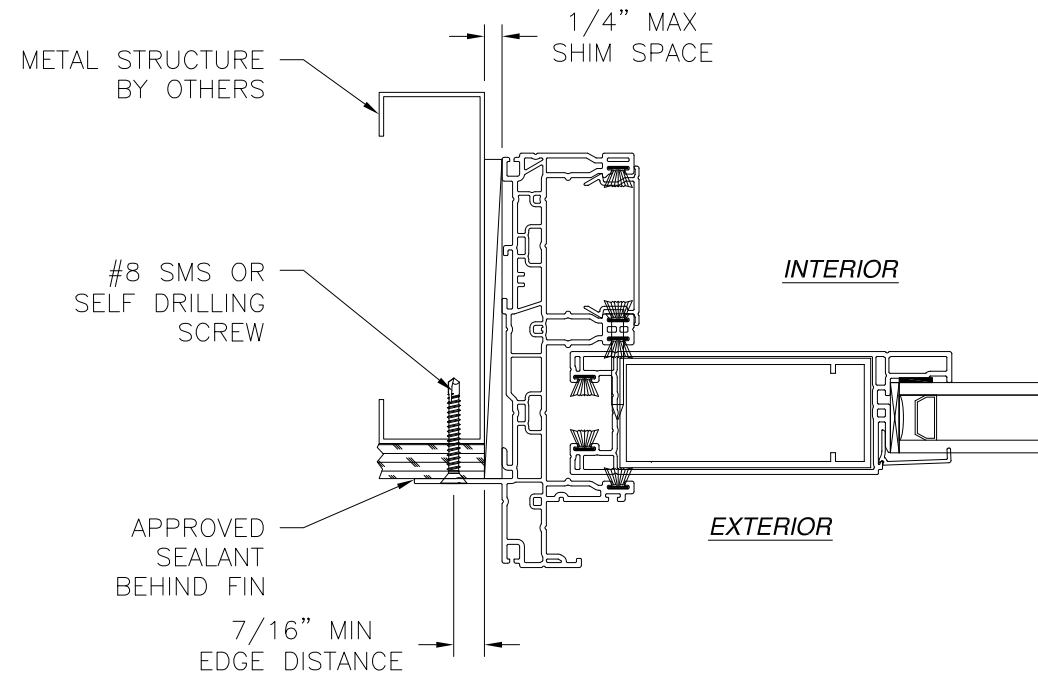


EXTERIOR

INTERIOR



VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION



JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION

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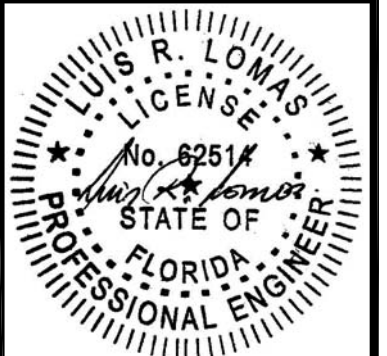
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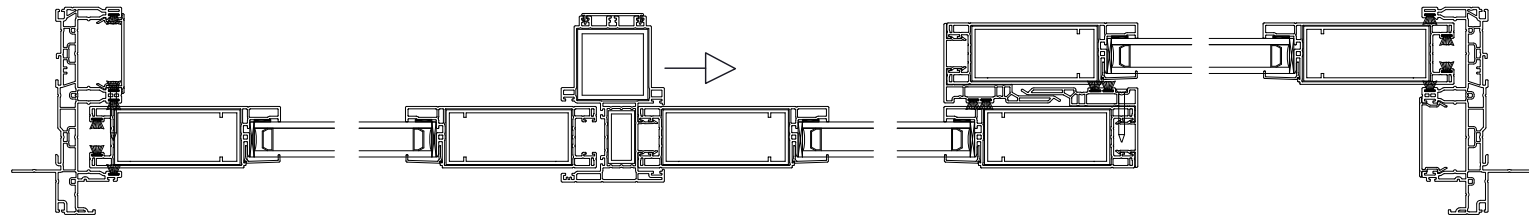
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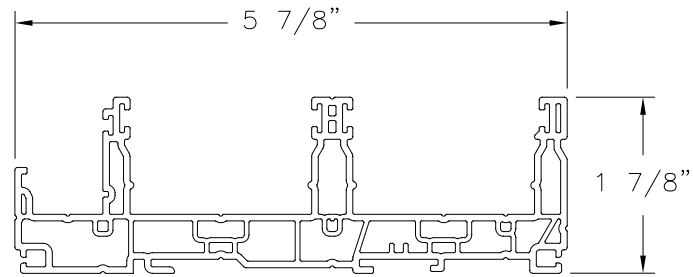


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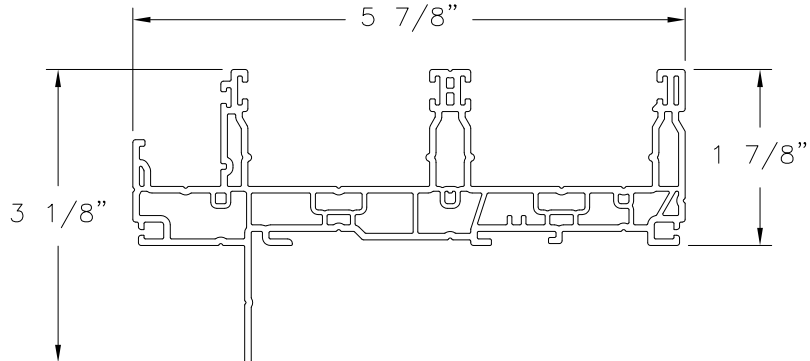


HORIZONTAL CROSS SECTION
FOR REFERENCE ONLY, SEE SHEETS 4-11 FOR INSTALLATION DETAILS

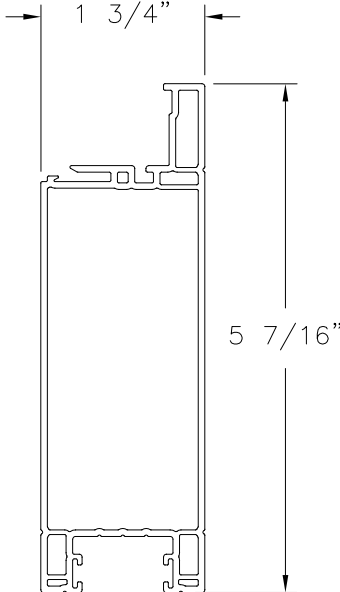
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED



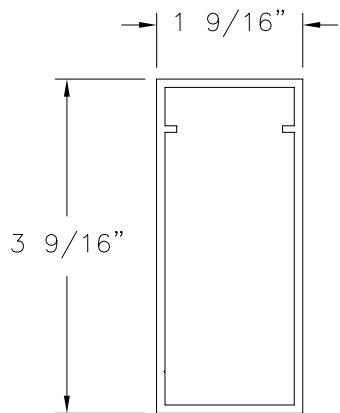
FINLESS FRAME
PVC .070" THICK



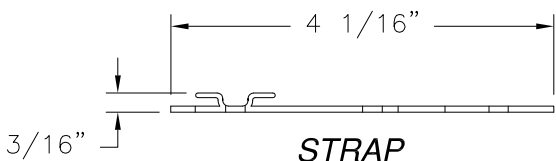
FIN FRAME
PVC .070" THICK



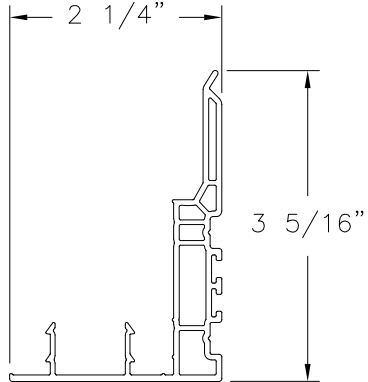
SASH FRAME
PVC .070" THICK



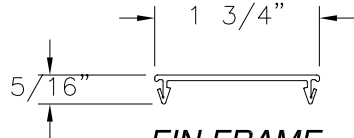
SASH REINFORCEMENT
ALUMINUM .090" THICK



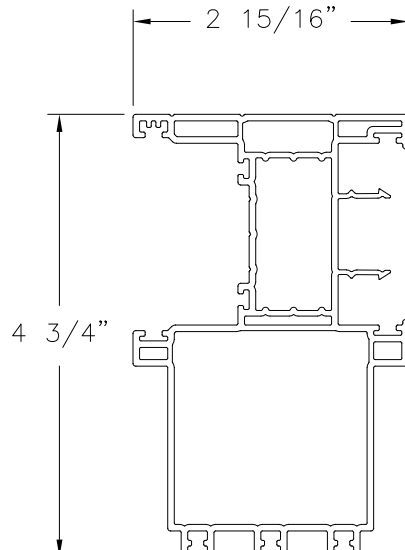
STRAP
GALVANIZED STEEL .065" THICK



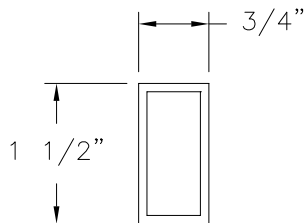
INTERLOCK
PVC .060" THICK



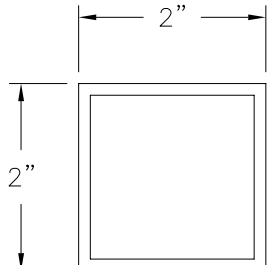
FIN FRAME
PVC .070" THICK



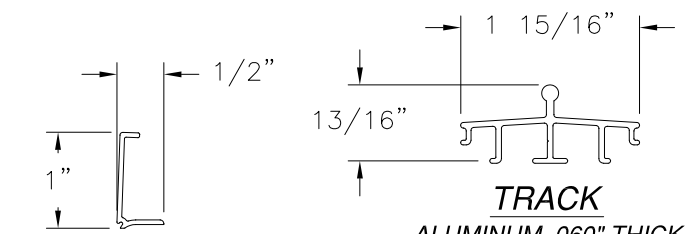
ASTRAGAL
PVC .070" THICK



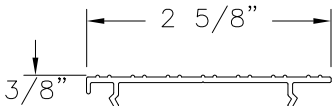
REINFORCEMENT
ALUMINUM 1/8" THICK



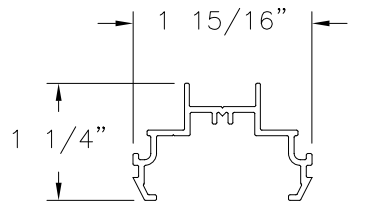
REINFORCEMENT
ALUMINUM 1/8" THICK



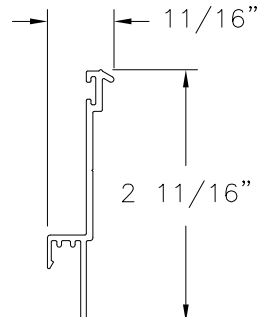
GLAZING BEAD
PVC .050" THICK



COVER
PVC .060" THICK



RISER
ALUMINUM .060" THICK



SILL RISER
ALUMINUM .070" THICK

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

SERIES 9700 VINYL SGD 12080
OXX NON-IMPACT
COMPONENTS

DRAWN: R.L.	DWG NO. 08-03564	REV -
SCALE NTS	DATE 06/09/2020	SHEET 12 OF 12

L. ROBERTO LOMAS P.E.
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434-688-0609 rllomas@lrlomaspe.com

SIGNED: 08/13/2020



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FL No.: 62514