

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	ADDED APPROVED CONFIGURATIONS	06/14/2021	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 11 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: 06/29/2021

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SHWINCO ARCHITECTURAL PRODUCTS, LLC

171 JET SERVICES WAY
DOTHAN, AL 36303

SERIES 9700 VINYL SGD 12068
OXXO IMPACT
NOTES

DRAWN:
R.L.

DWG NO.
08-03566

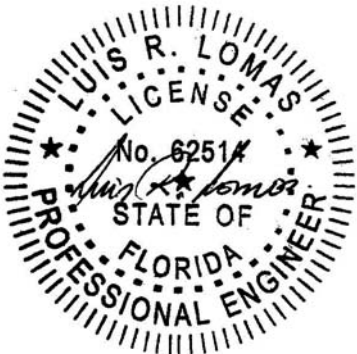
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SCALE NTS

DATE 06/09/2020

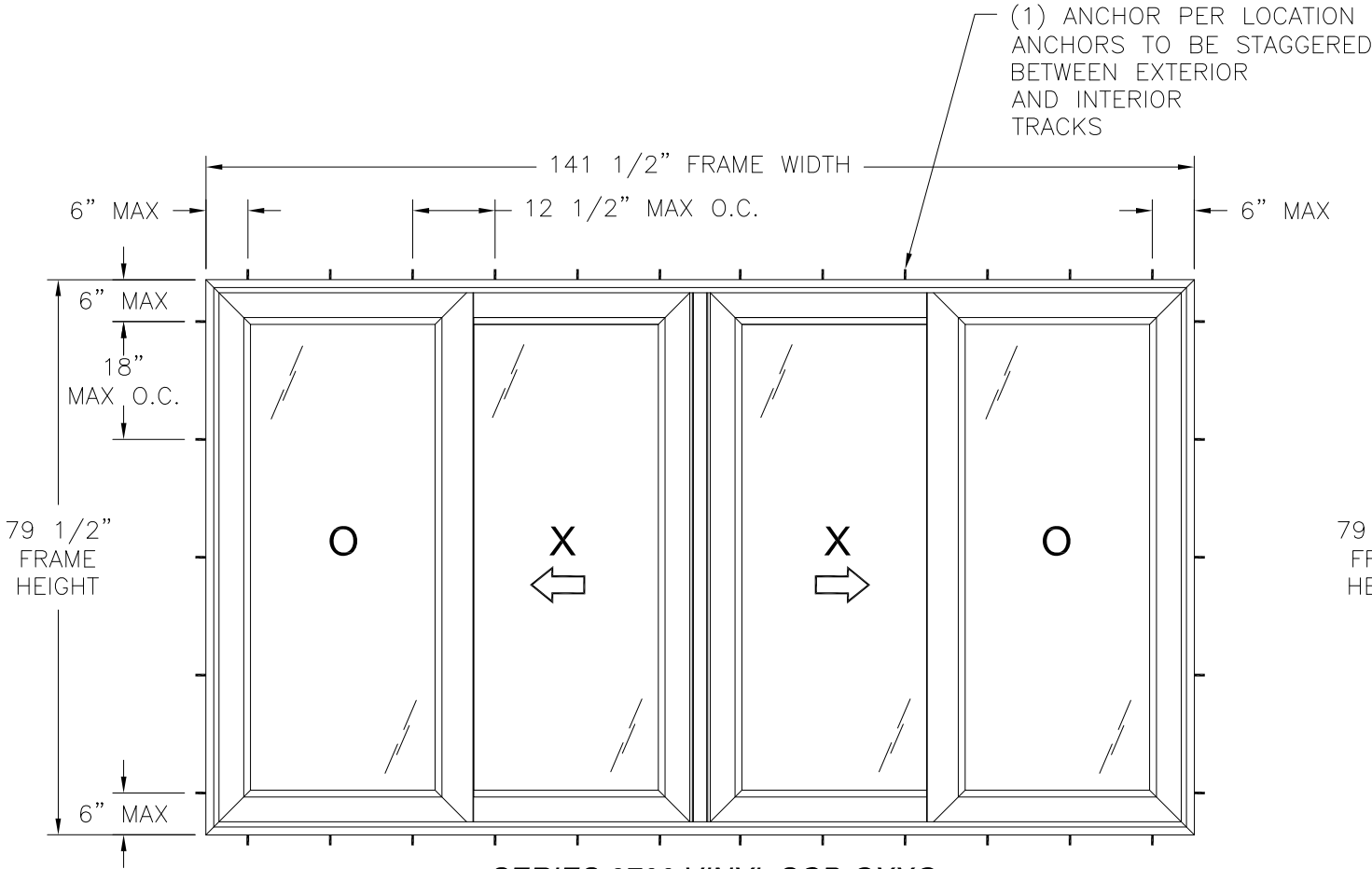
SHEET 1 OF 11

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

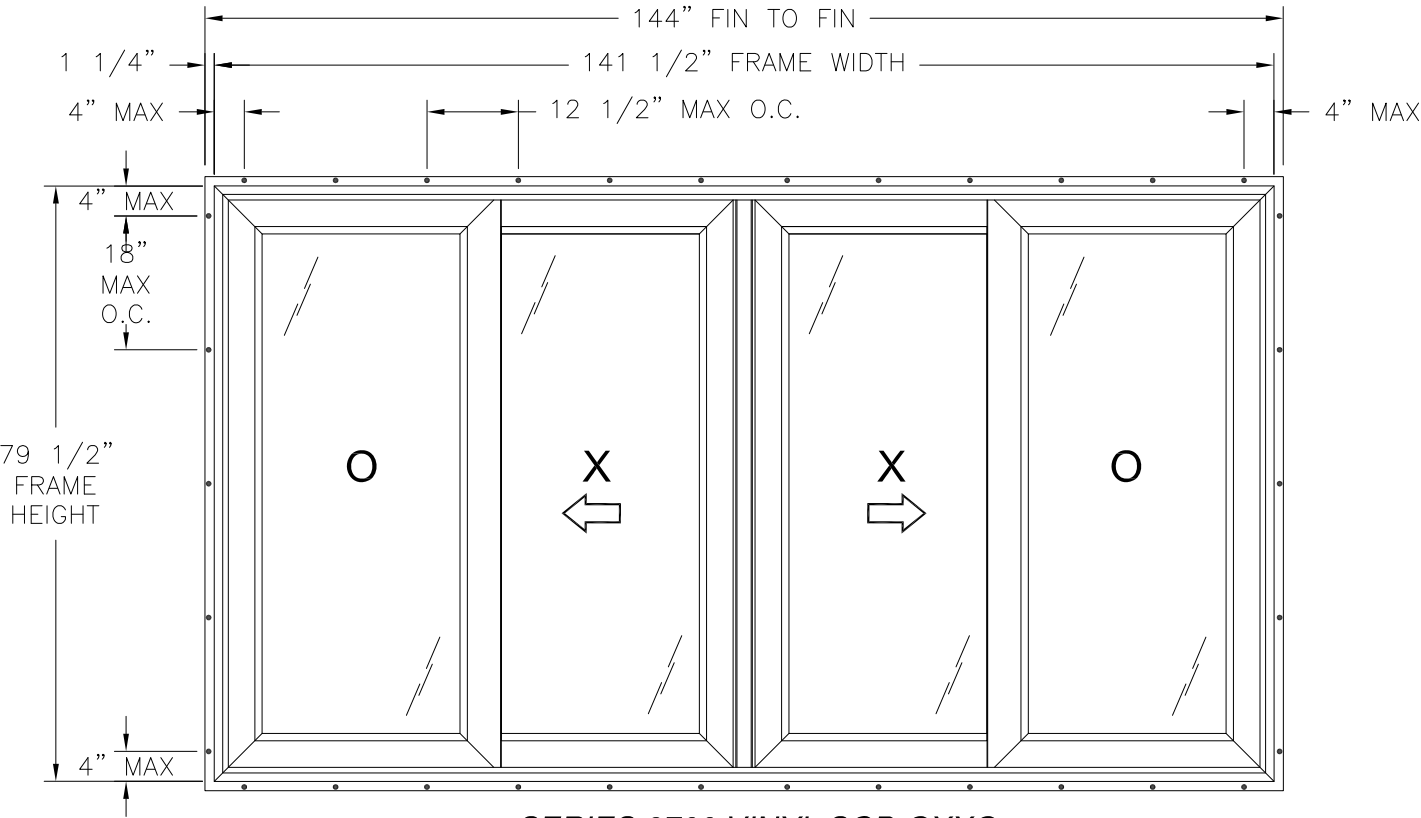


Luis R. Lomas P.E.
FL No.: 62514

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SERIES 9700 VINYL SGD OXXO
EXTERIOR VIEW
FRAME & STRAP INSTALLATION



SERIES 9700 VINYL SGD OXXO
EXTERIOR VIEW
FIN INSTALLATION

WITH 3 3/4" SILL RISER

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

MISSILE LEVEL D, WIND ZONE 4

- NOTES:
- PANEL SIZE: 37 1/8" X 72 1/4"
 - PANEL D.L.O.: 26" x 66 1/4"

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 |

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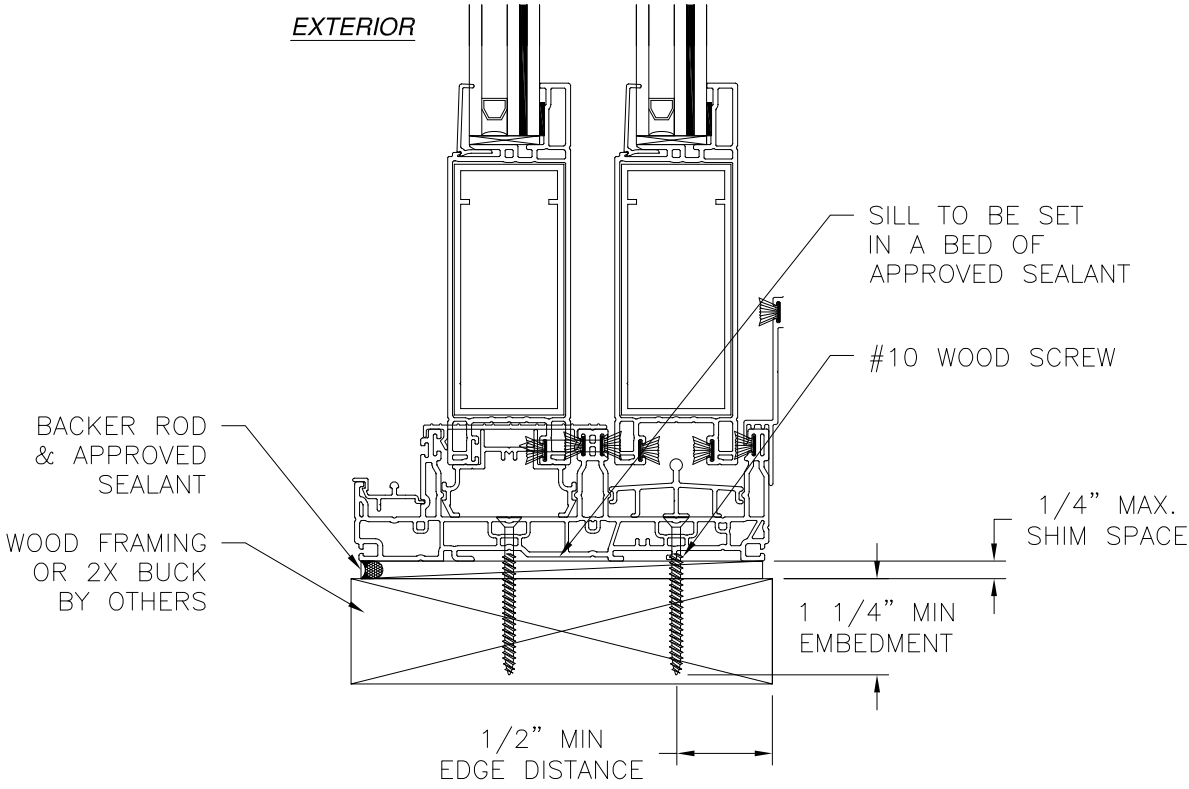
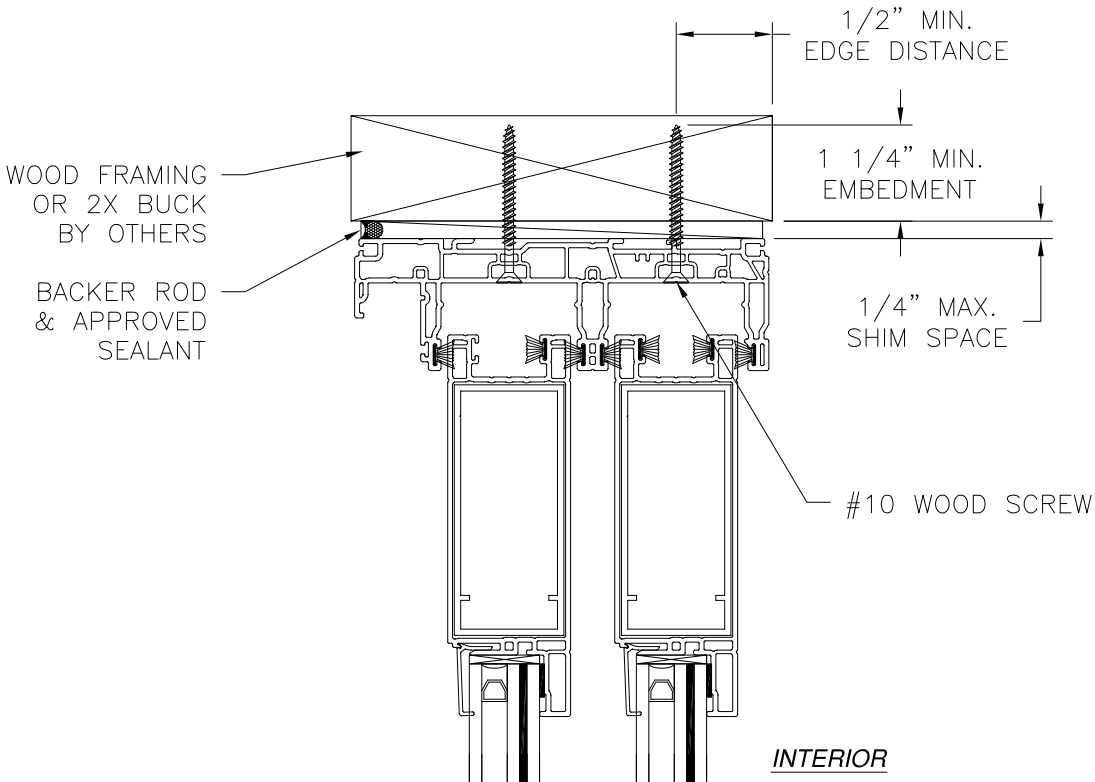
SERIES 9700 VINYL SGD 12068
OXXO IMPACT
ELEVATIONS

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SCALE NTS	DATE 06/09/2020	SHEET 2 OF 11
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@lrlomaspe.com		

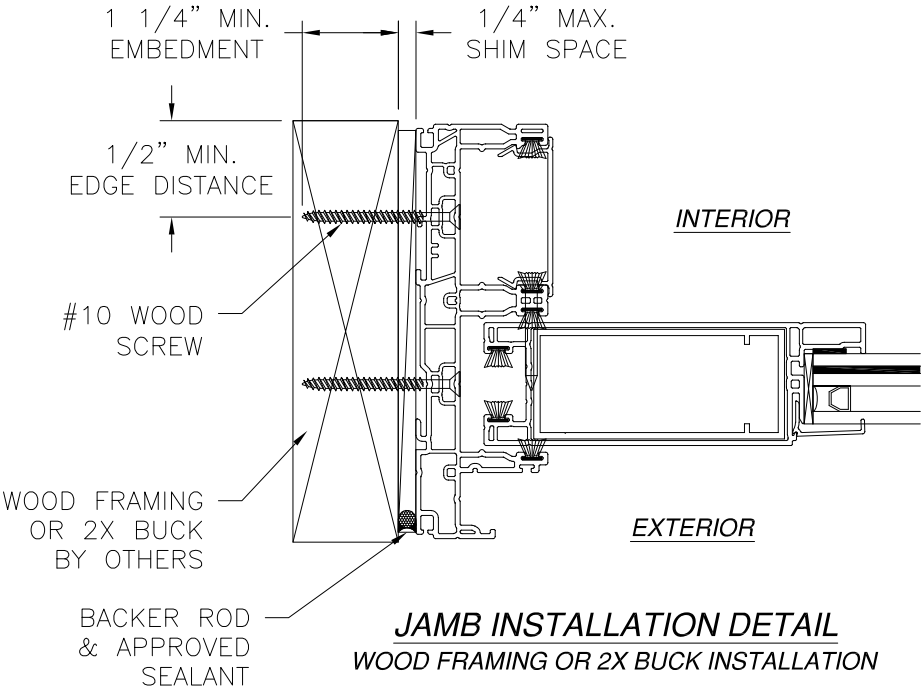


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VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION



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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SHWINCO ARCHITECTURAL PRODUCTS, LLC

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DOTHAN, AL 36303

SERIES 9700 VINYL SGD 12068

OXXO IMPACT

FRAME INSTALLATION DETAILS

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DWG NO. 08-03566

REV A

SCALE NTS

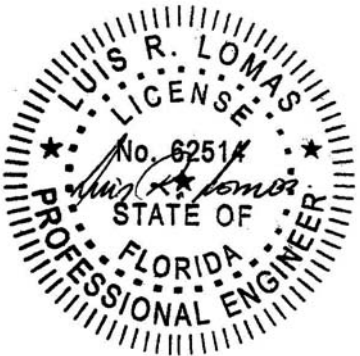
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SHEET 3 OF 11

L. ROBERTO LOMAS P.E.

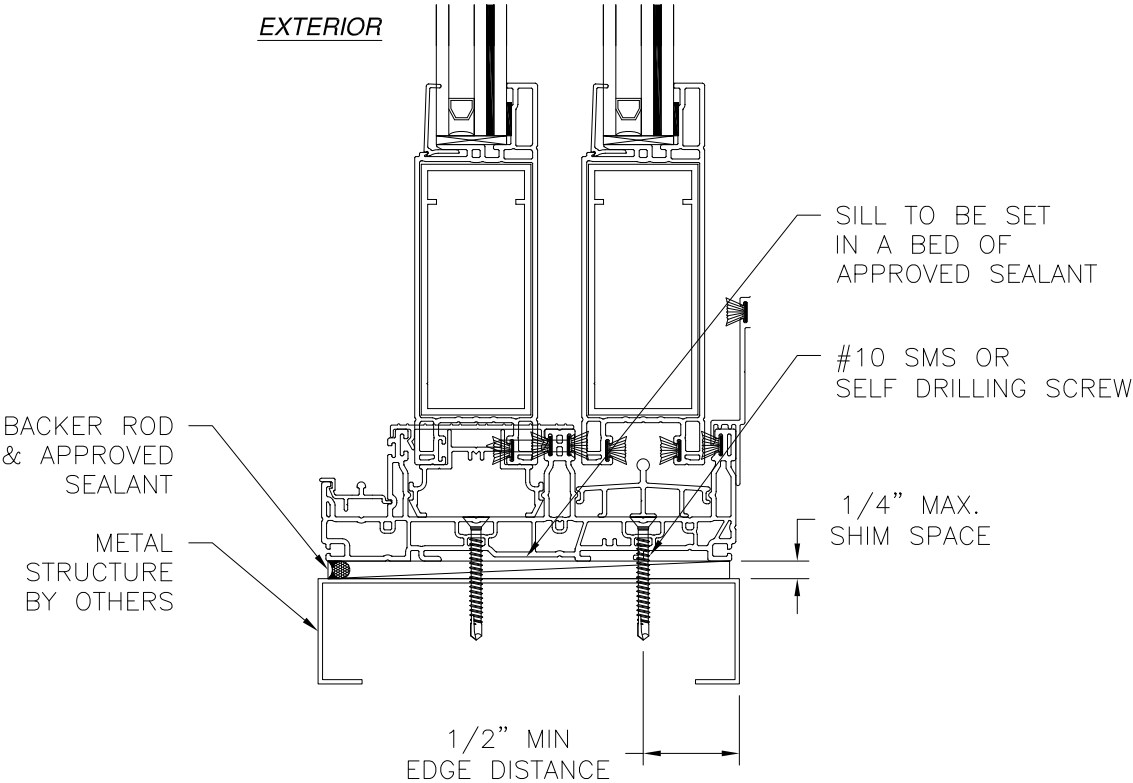
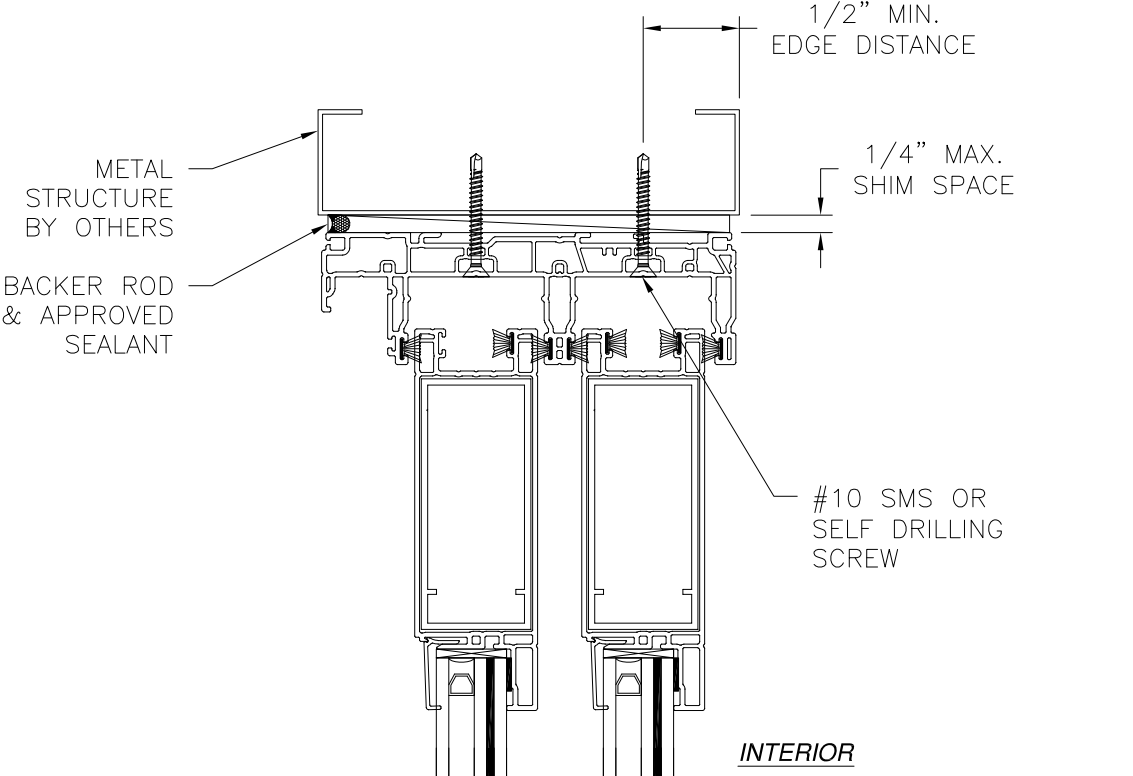
1432 WOODFORD RD LEWISVILLE, NC 27023

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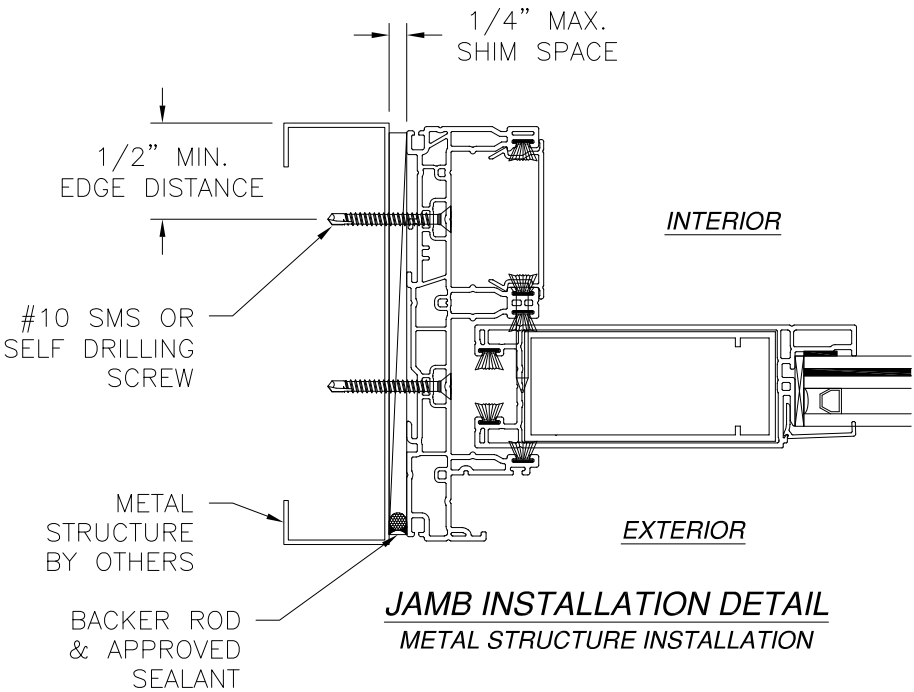


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VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION



JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION

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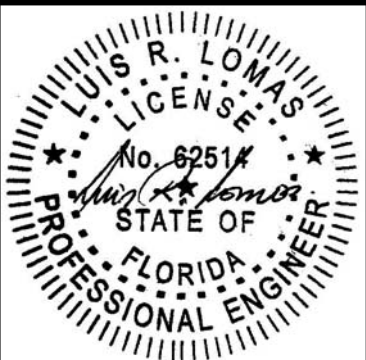
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DOTHAN, AL 36303

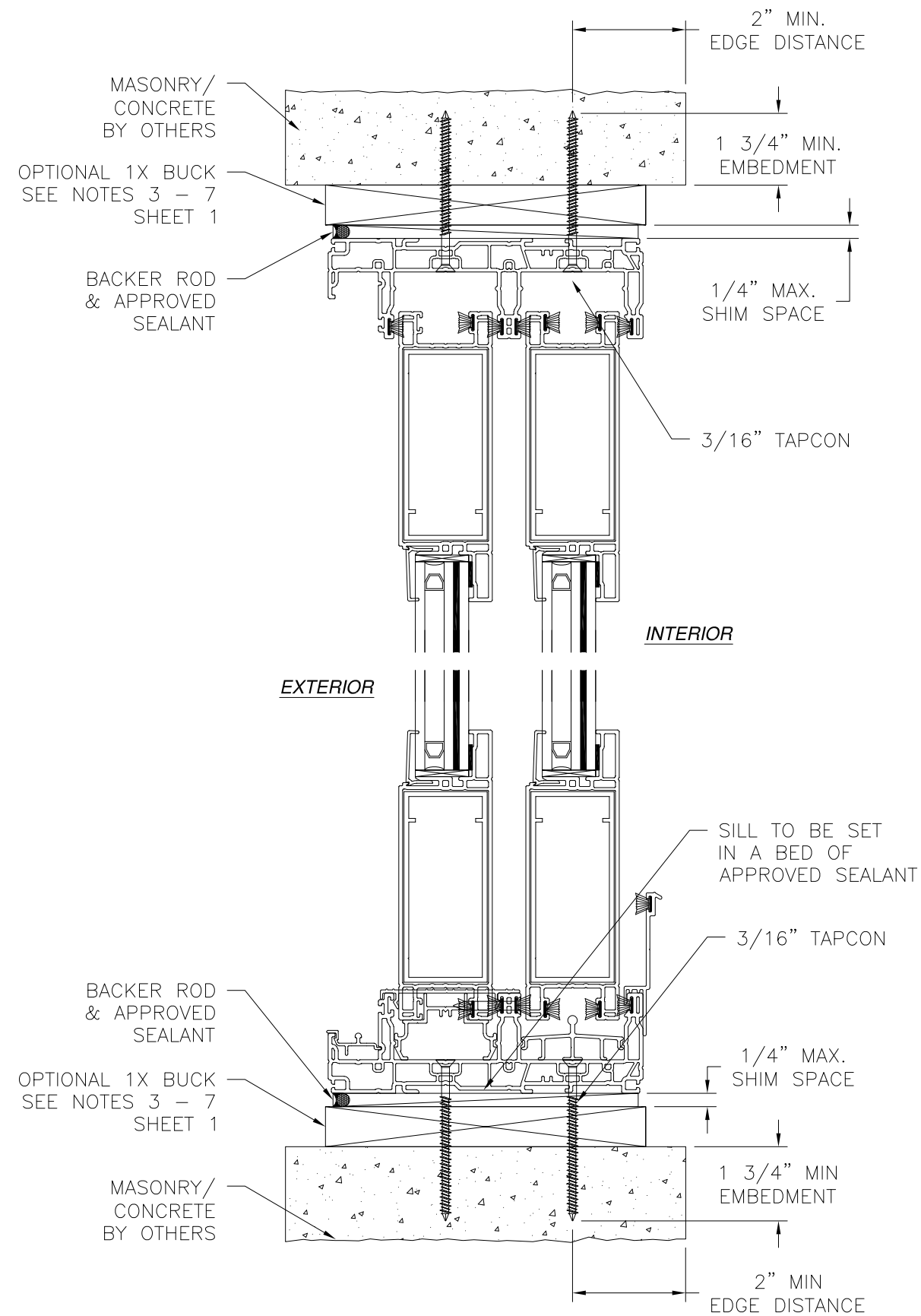
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OXXO IMPACT
FRAME INSTALLATION DETAILS

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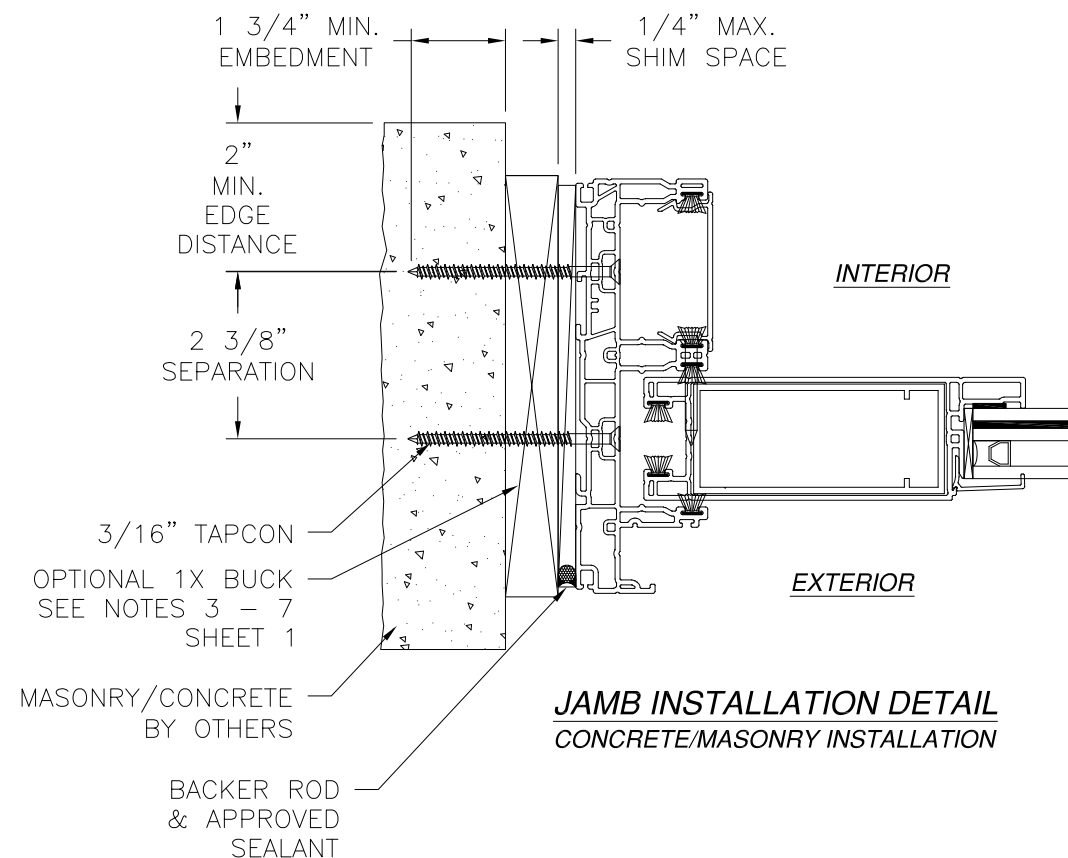
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VERTICAL CROSS SECTION
CONCRETE/MASONRY INSTALLATION



JAMB INSTALLATION DETAIL
CONCRETE/MASONRY INSTALLATION

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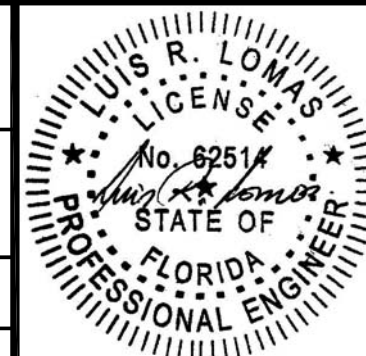
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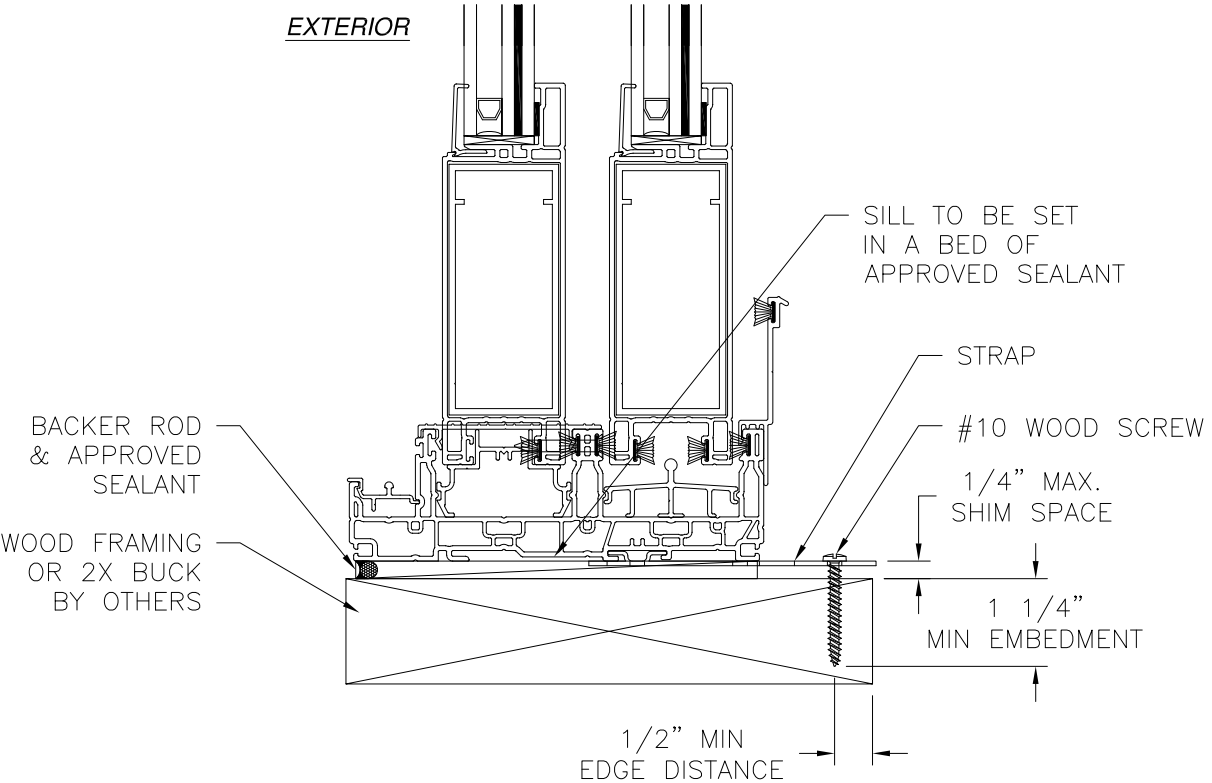
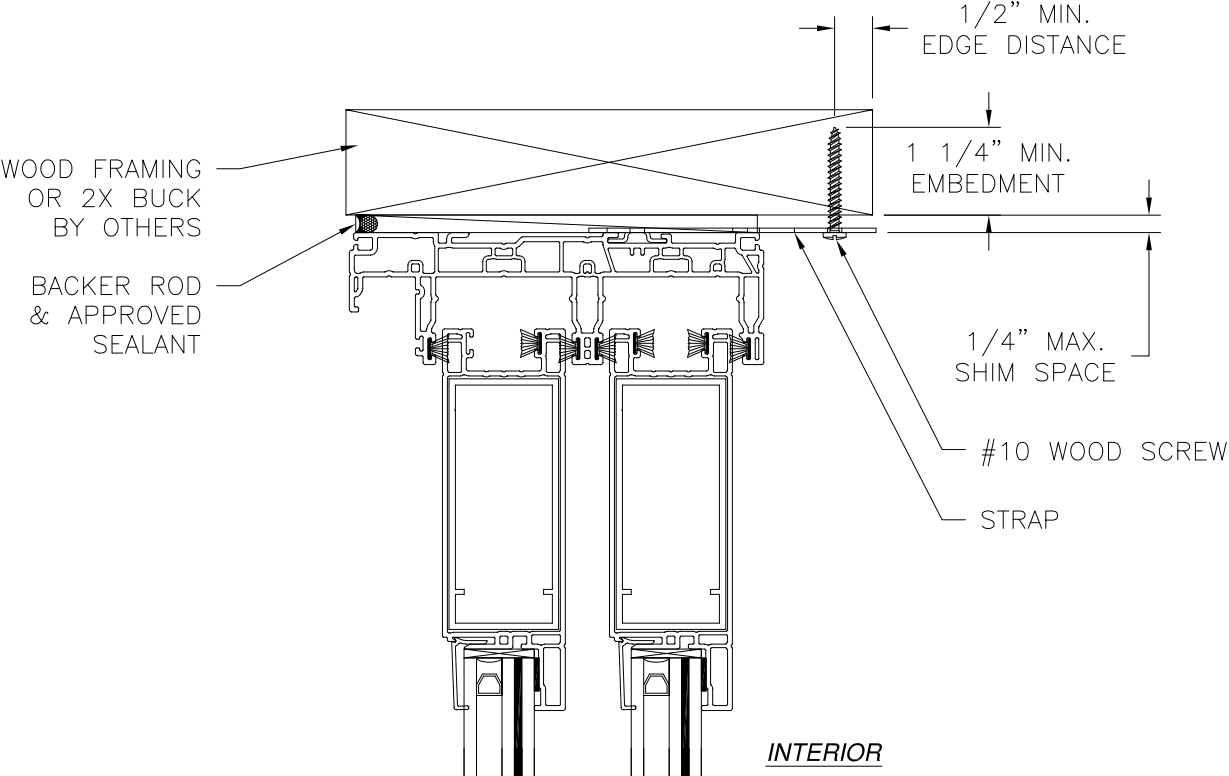
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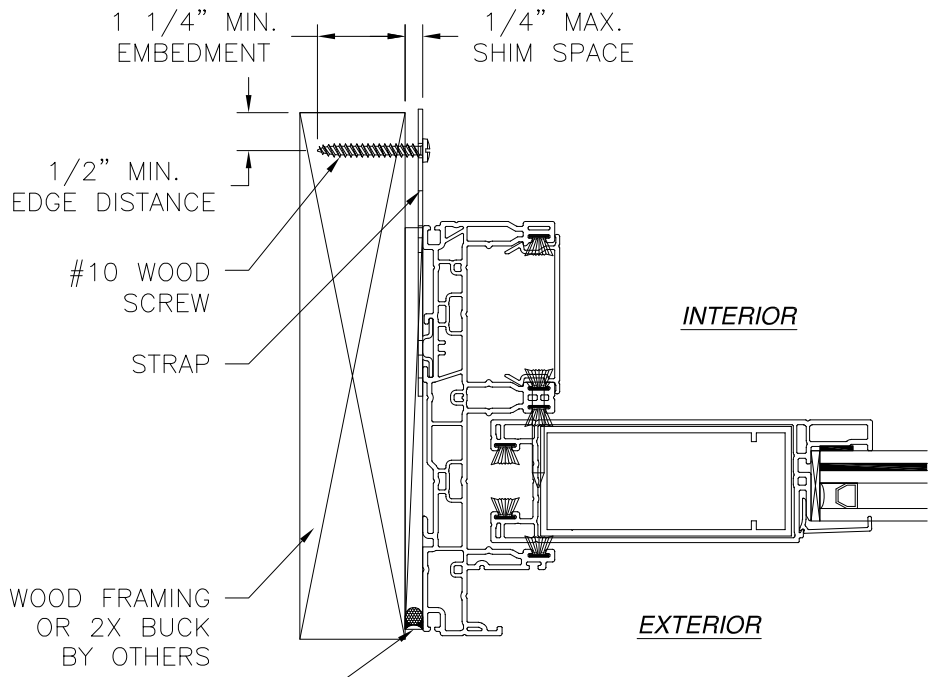


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VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION

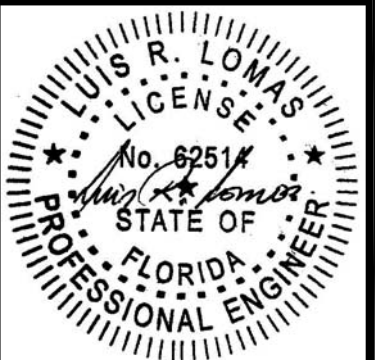


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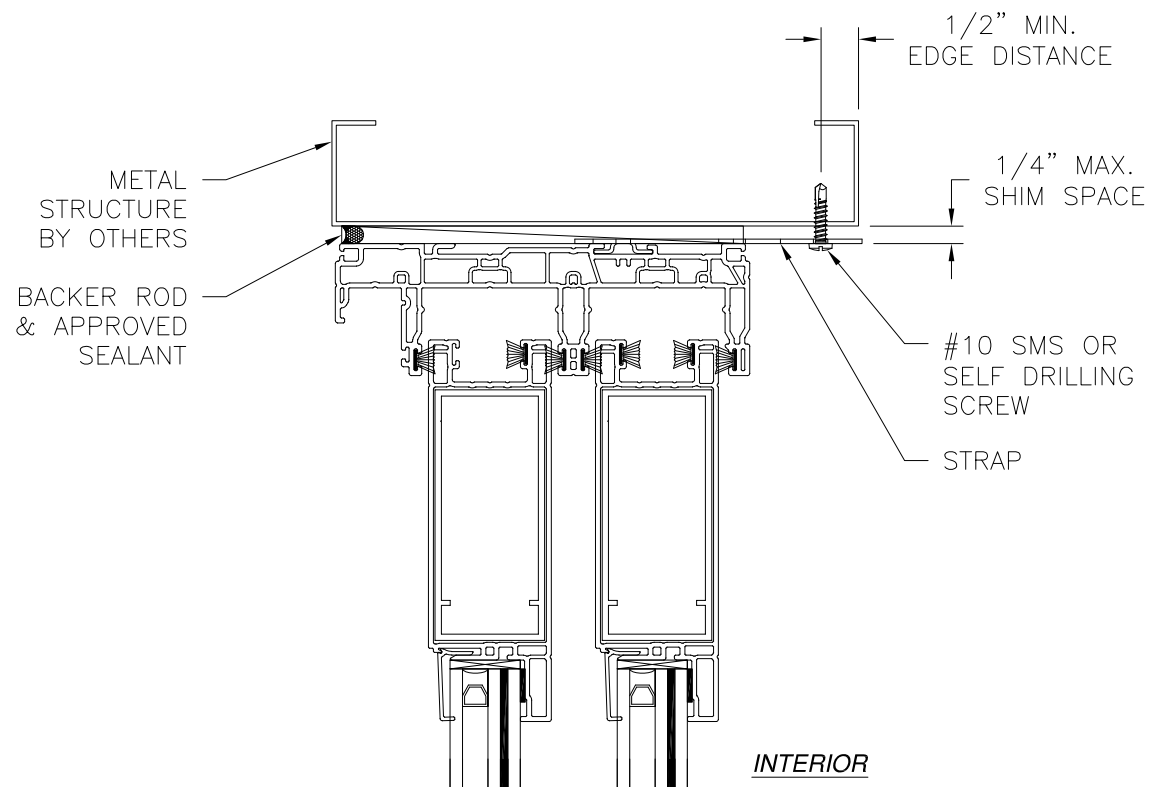
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171 JET SERVICES WAY DOTHAN, AL 36303		
SERIES 9700 VINYL SGD 12068 OXXO IMPACT STRAP INSTALLATION DETAILS		
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L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@lrlomaspe.com		

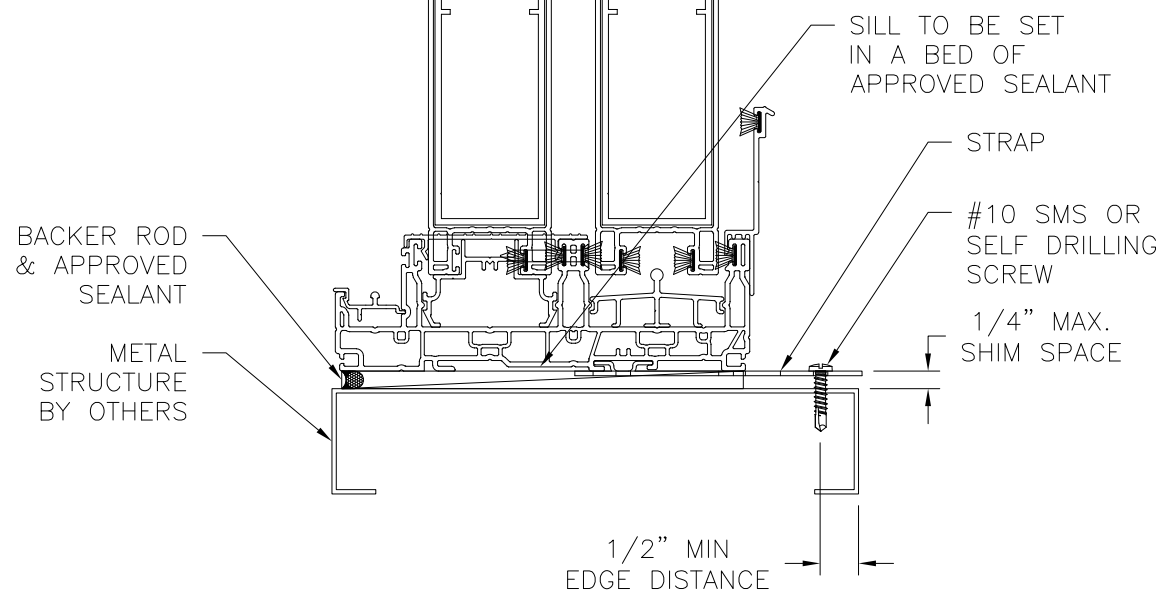


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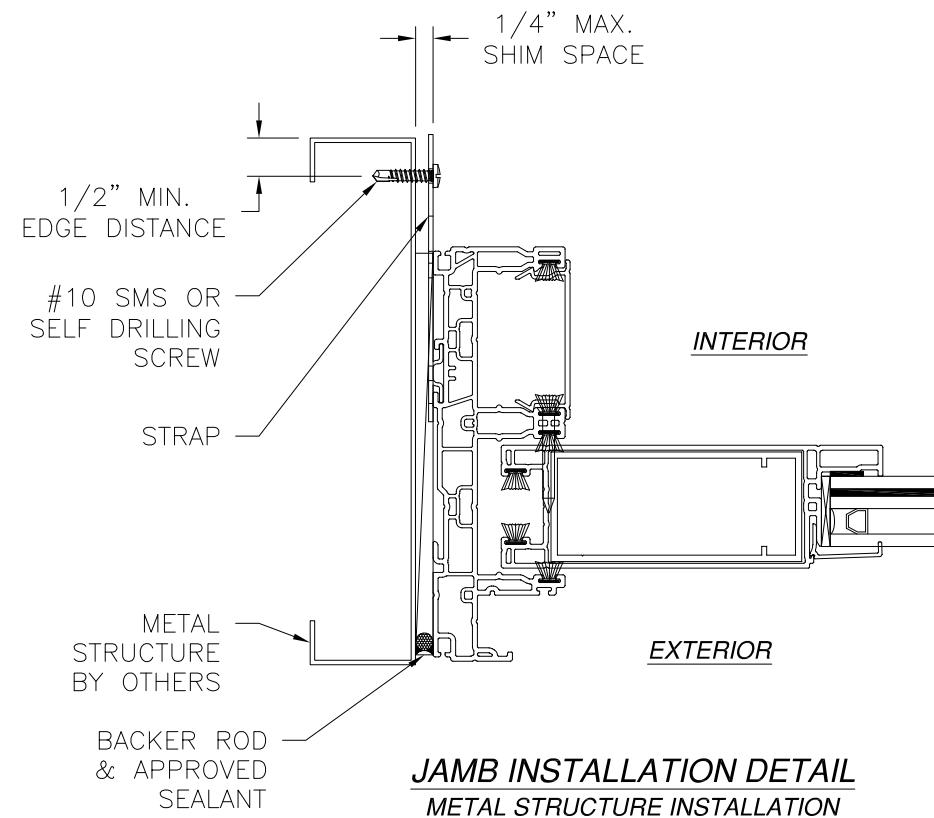
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EXTERIOR



VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION



JAMB INSTALLATION DETAIL
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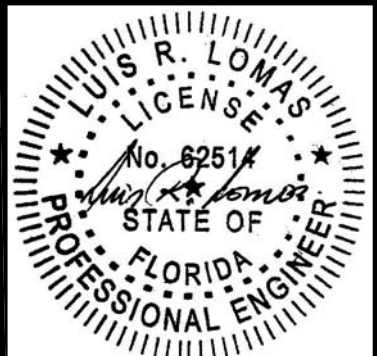
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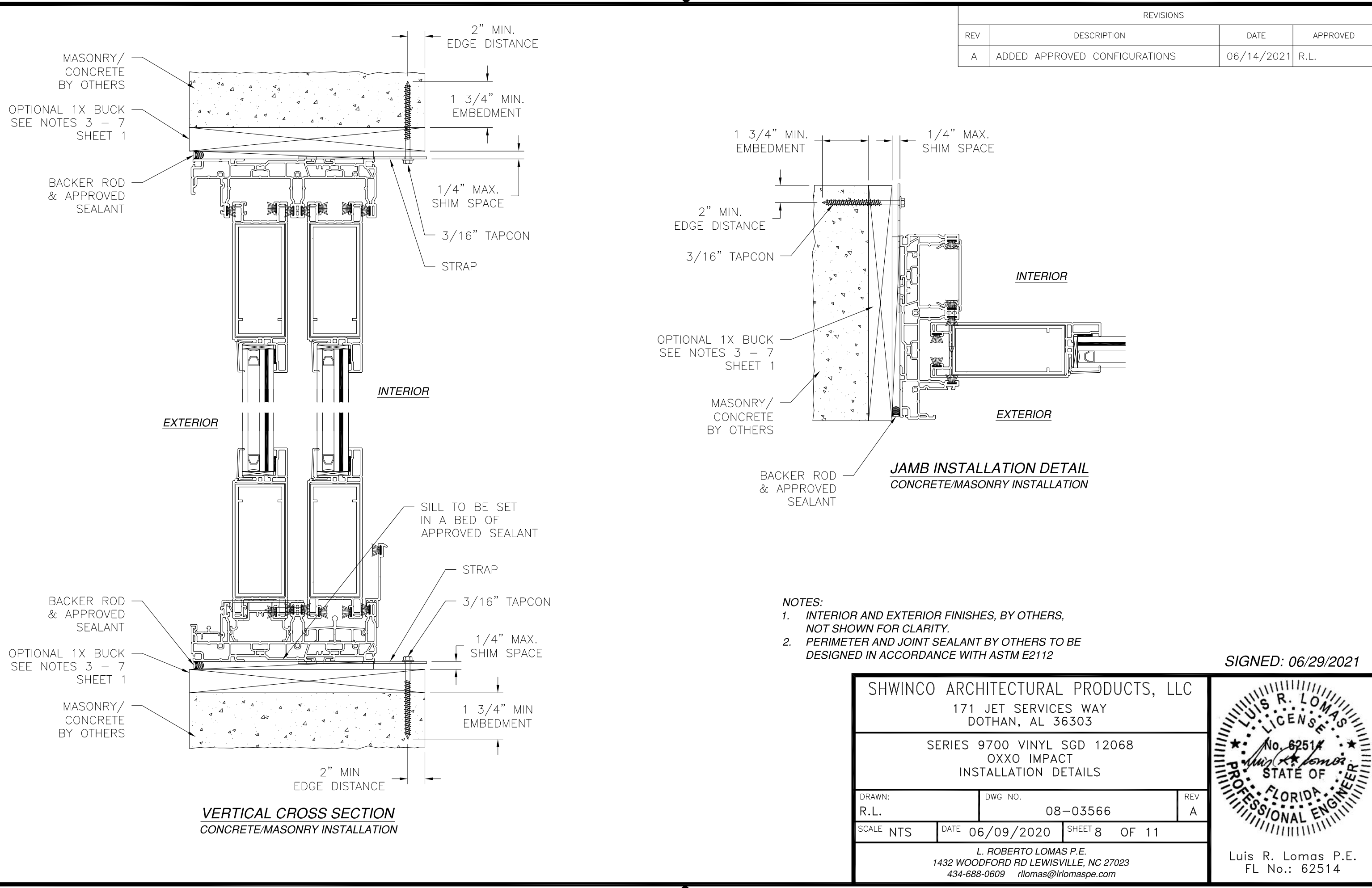
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OXXO IMPACT
STRAP INSTALLATION DETAILS

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DOTHAN, AL 36303

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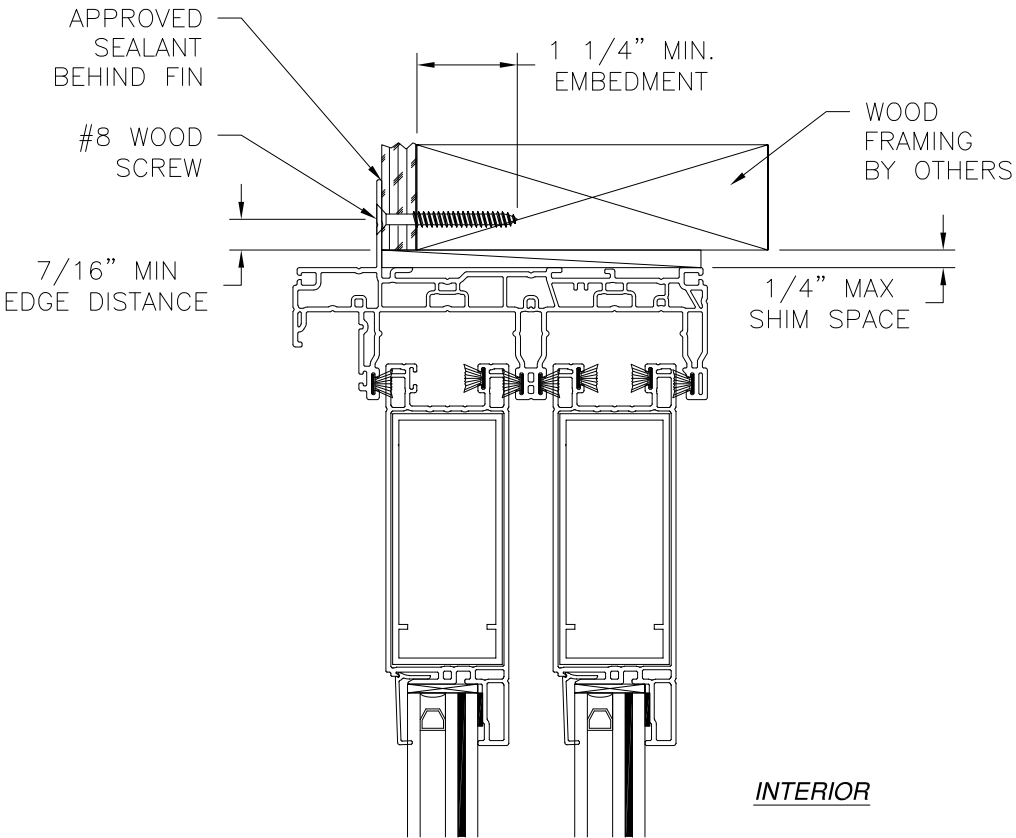
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LUIS R. LOMAS
LICENSED PROFESSIONAL ENGINEER
STATE OF FLORIDA
No. 62514

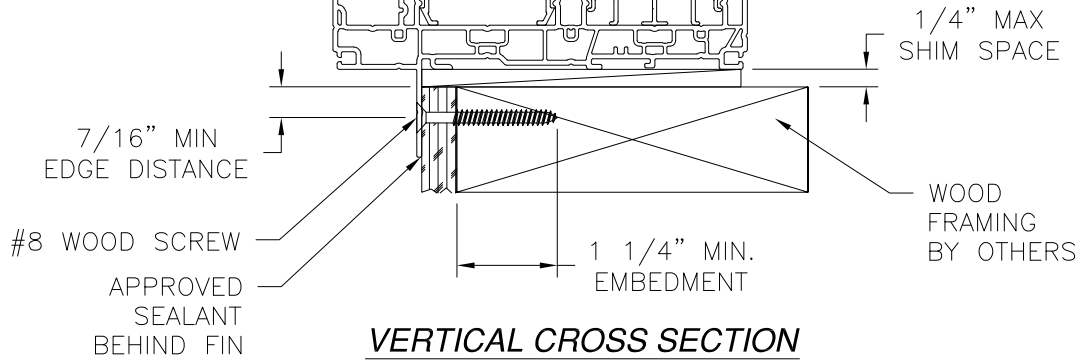
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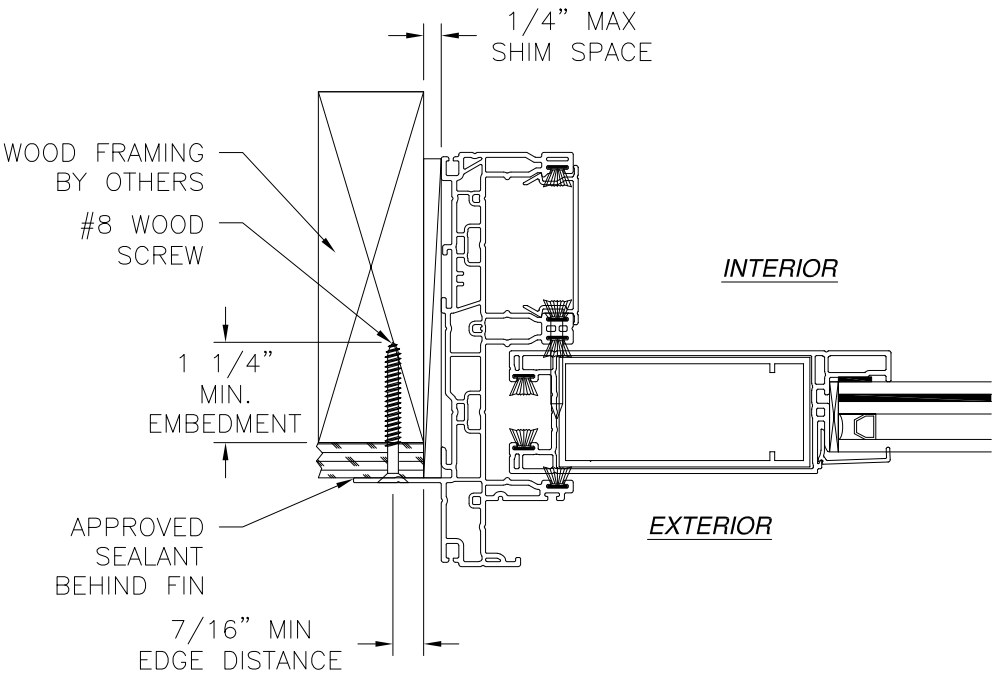


EXTERIOR

INTERIOR



VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION



JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

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FIN INSTALLATION DETAILS

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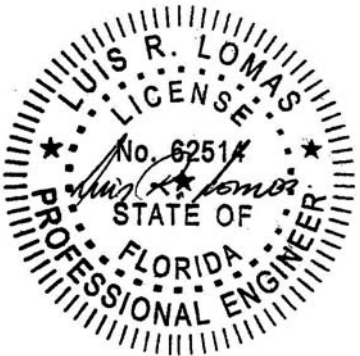
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SHEET 9 OF 11

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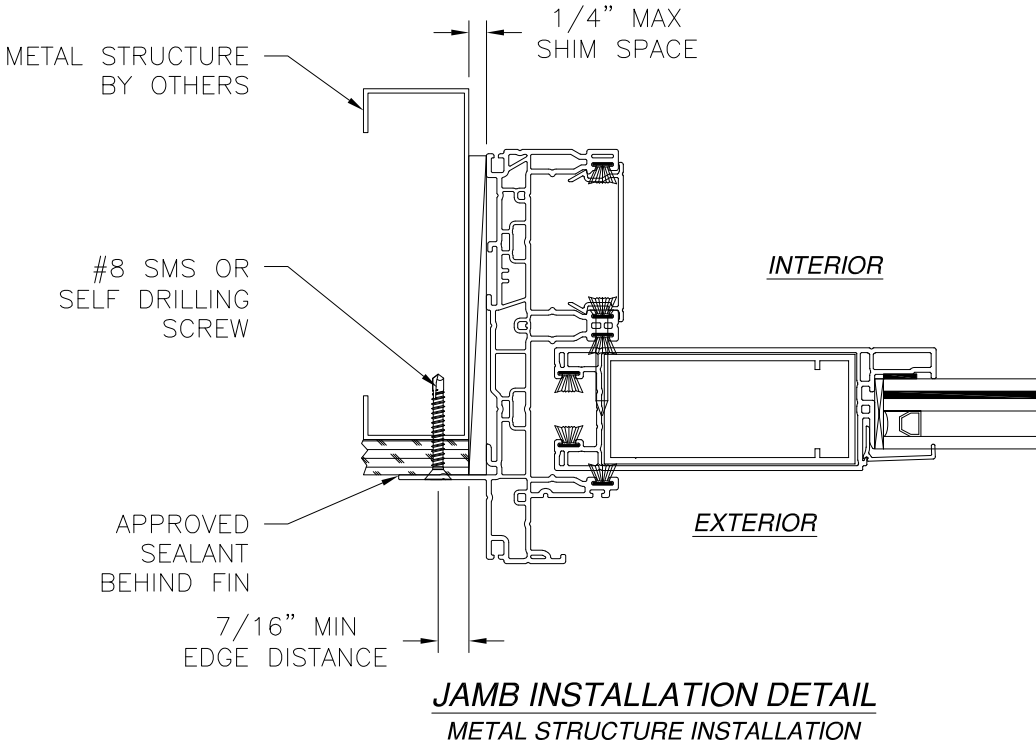
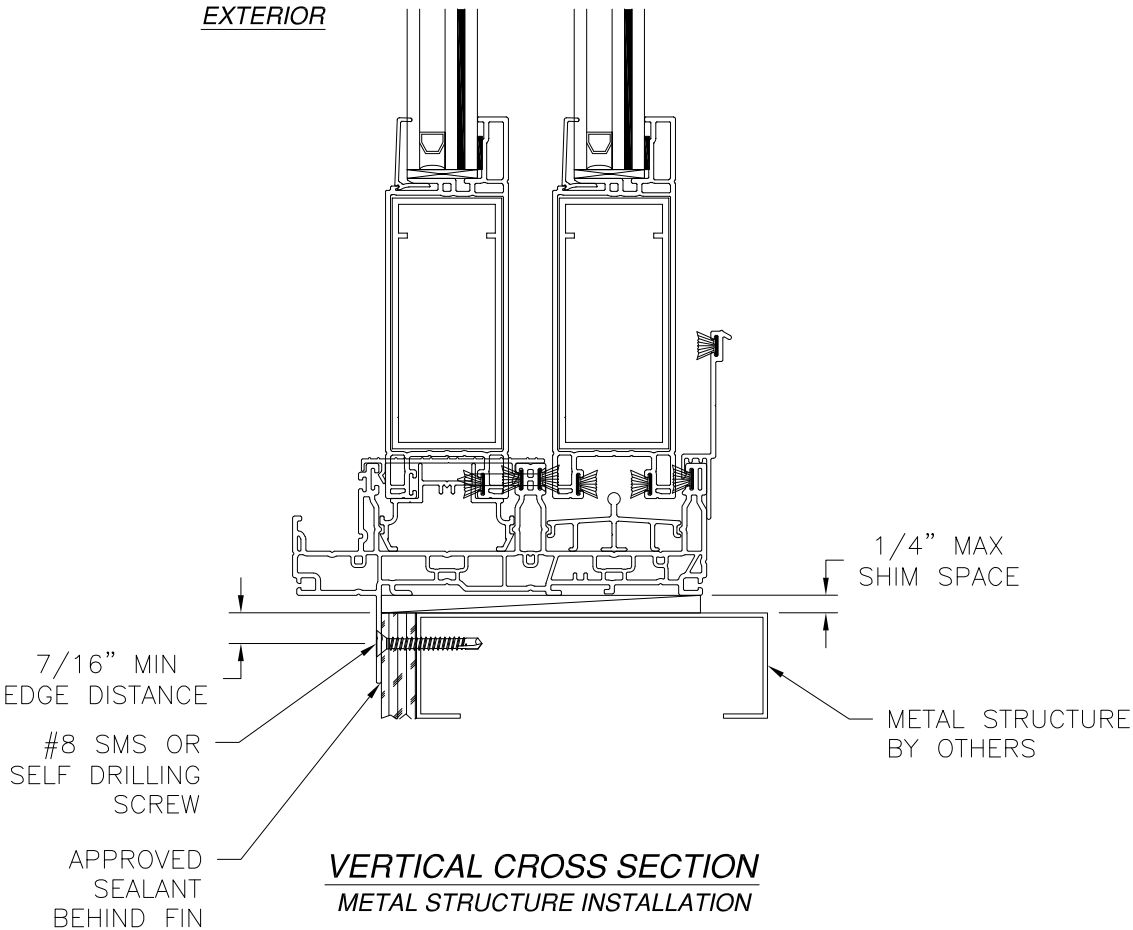
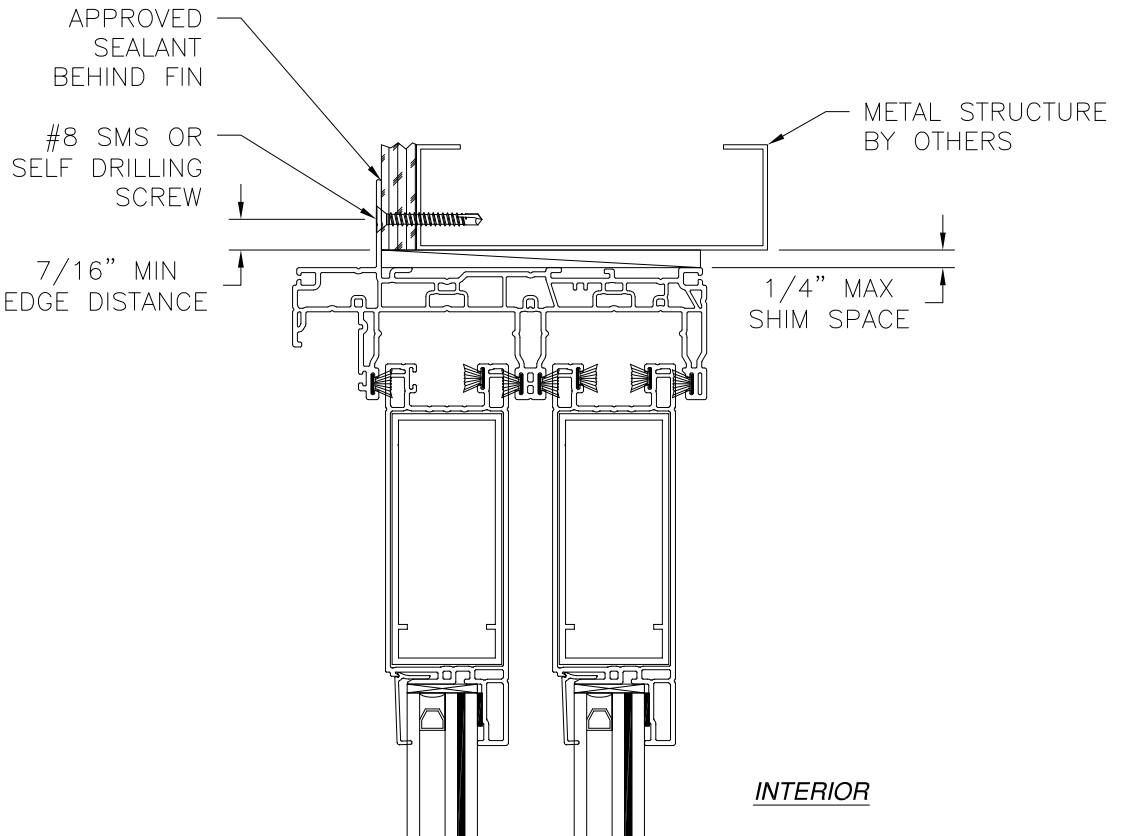
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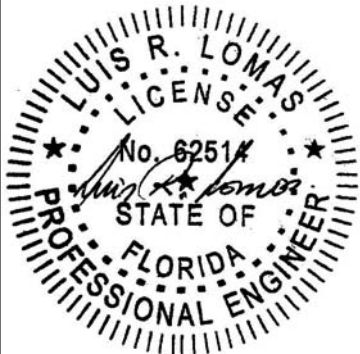
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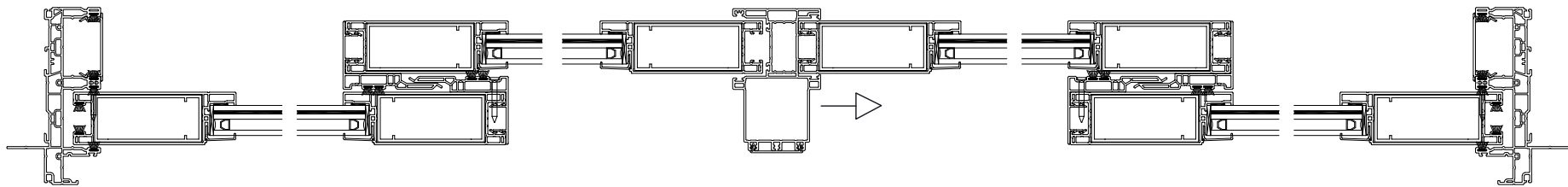
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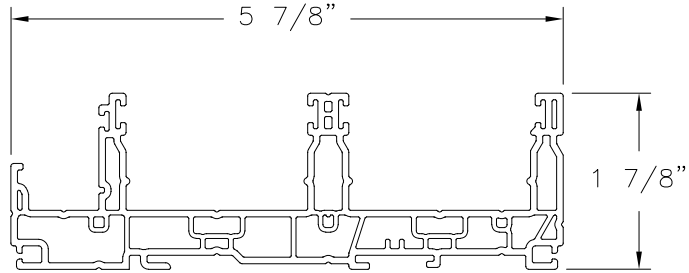


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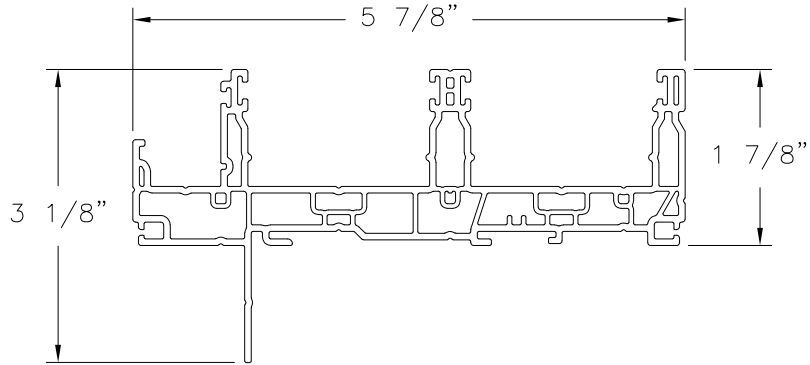
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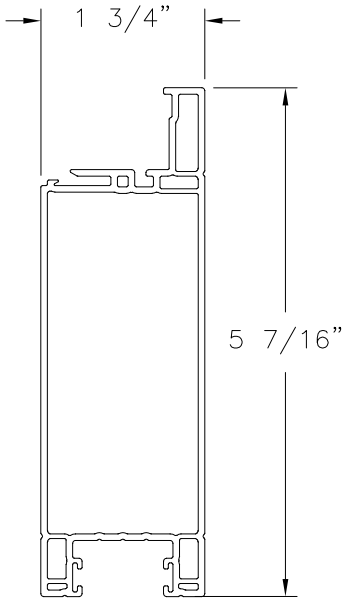
HORIZONTAL CROSS SECTION
FOR REFERENCE ONLY, SEE SHEETS 3 - 10 FOR INSTALLATION DETAILS



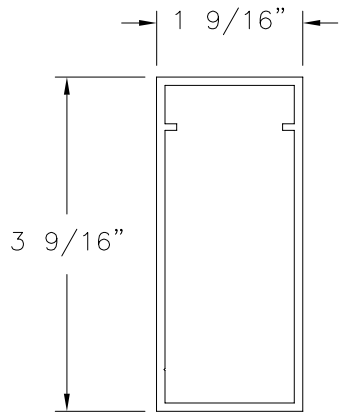
FINLESS FRAME
PVC .070" THICK



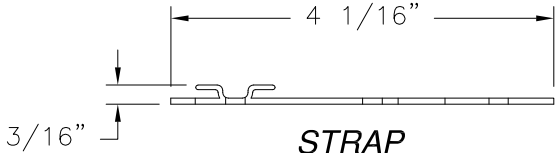
FIN FRAME
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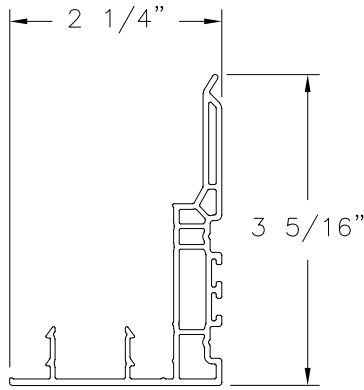
SASH FRAME
PVC .070" THICK



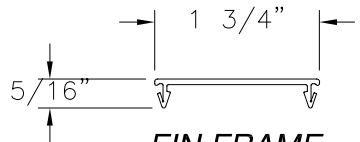
SASH REINFORCEMENT
ALUMINUM .090" THICK



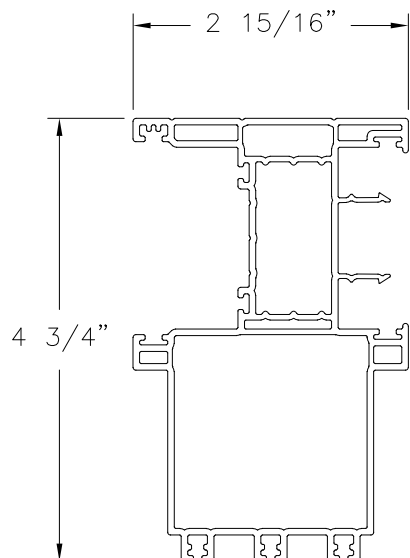
STRAP
GALVANIZED STEEL .065" THICK



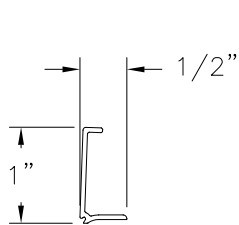
INTERLOCK
PVC .060" THICK



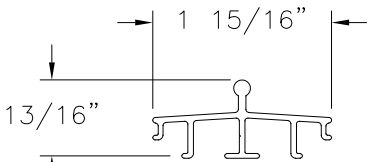
FIN FRAME
PVC .070" THICK



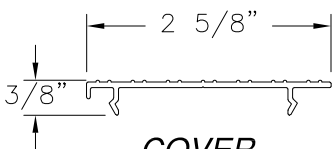
ASTRAGAL
PVC .070" THICK



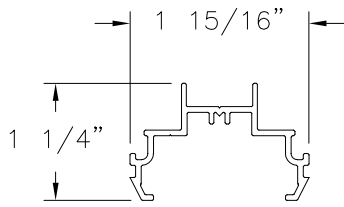
GLAZING BEAD
PVC .050" THICK



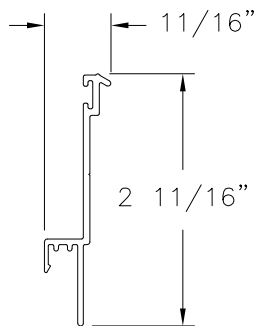
TRACK
ALUMINUM .060" THICK



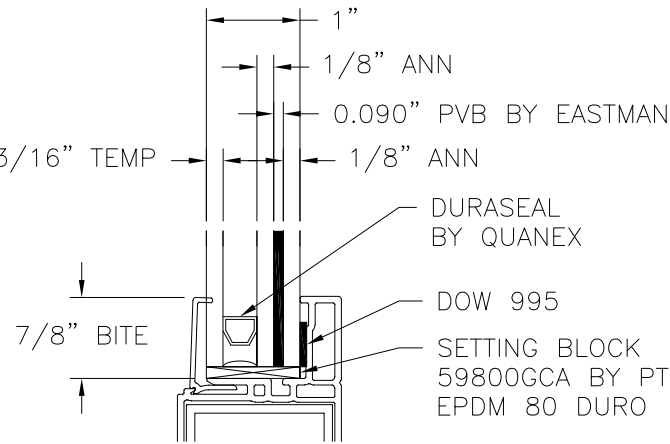
COVER
PVC .060" THICK



RISER
ALUMINUM .060" THICK



SILL RISER
ALUMINUM .070" THICK



GLAZING DETAIL

SHWINCO ARCHITECTURAL PRODUCTS, LLC

171 JET SERVICES WAY
DOTHAN, AL 36303

SERIES 9700 VINYL SGD 12068

OXXO IMPACT

COMPONENTS

DRAWN:

R.L.

DWG NO.

08-03566

REV

A

SCALE

NTS

DATE

06/09/2020

SHEET

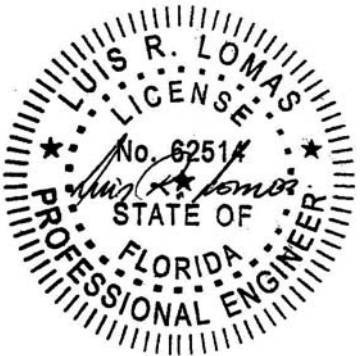
11 OF 11

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SIGNED: 06/29/2021



Luis R. Lomas P.E.
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