

| REVISIONS |                          |            |          |
|-----------|--------------------------|------------|----------|
| REV       | DESCRIPTION              | DATE       | APPROVED |
| A         | ADDED NEW CONFIGURATIONS | 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 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 #10 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 #12 WOOD SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 3/8" MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
17. FOR ANCHORING THROUGH FRAME OR STRAP INTO MASONRY/CONCRETE USE 1/4" 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 OR STRAP INTO METAL STRUCTURE USE #12 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.

| 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 NON-IMPACT  
NOTES

DRAWN:  
R.L.

DWG NO.  
08-03563

REV  
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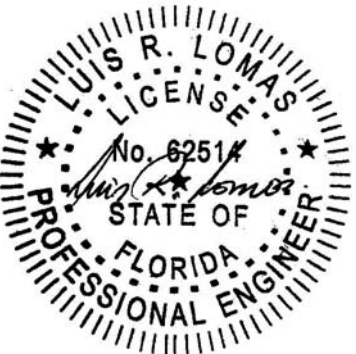
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SHEET 1 OF 12

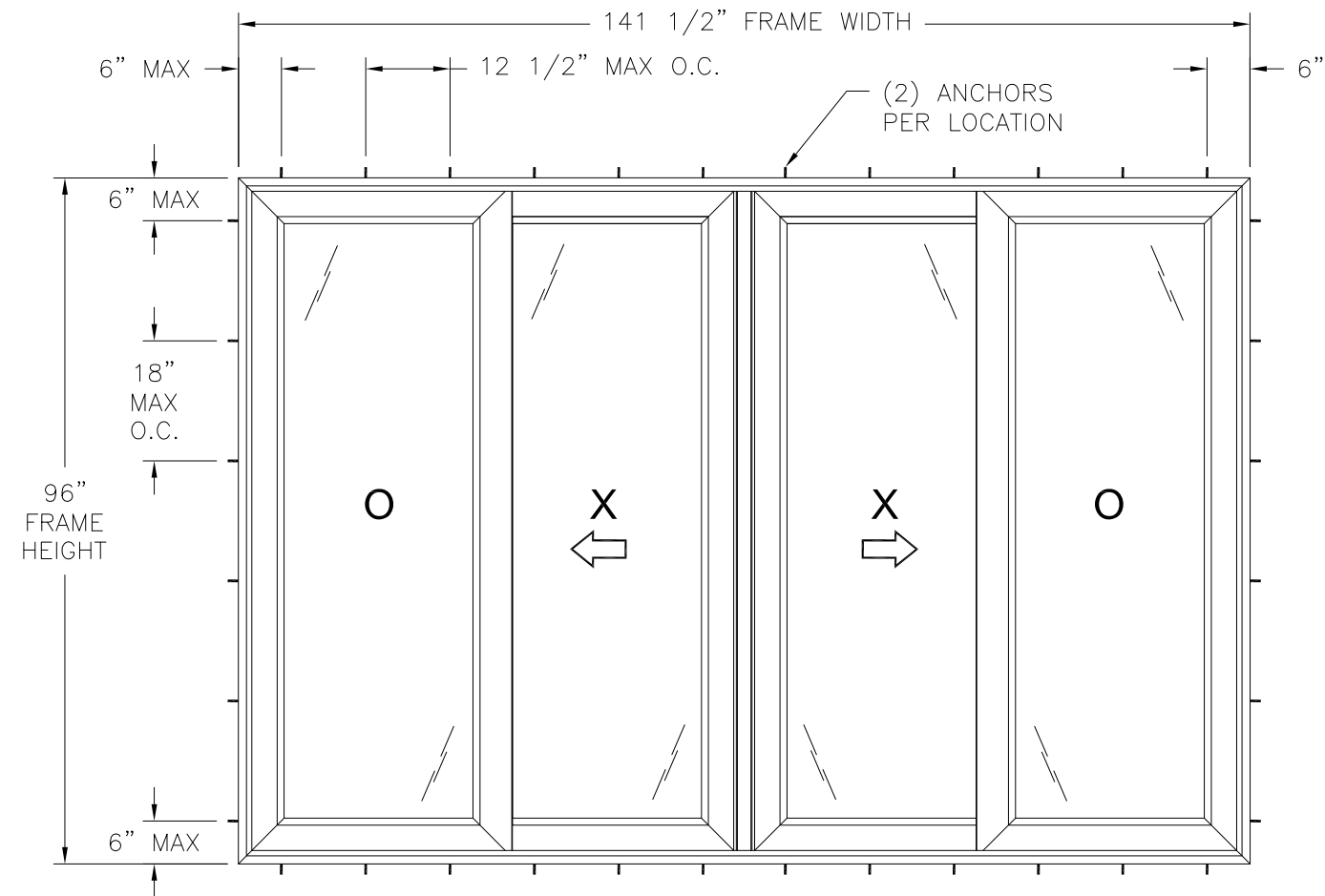
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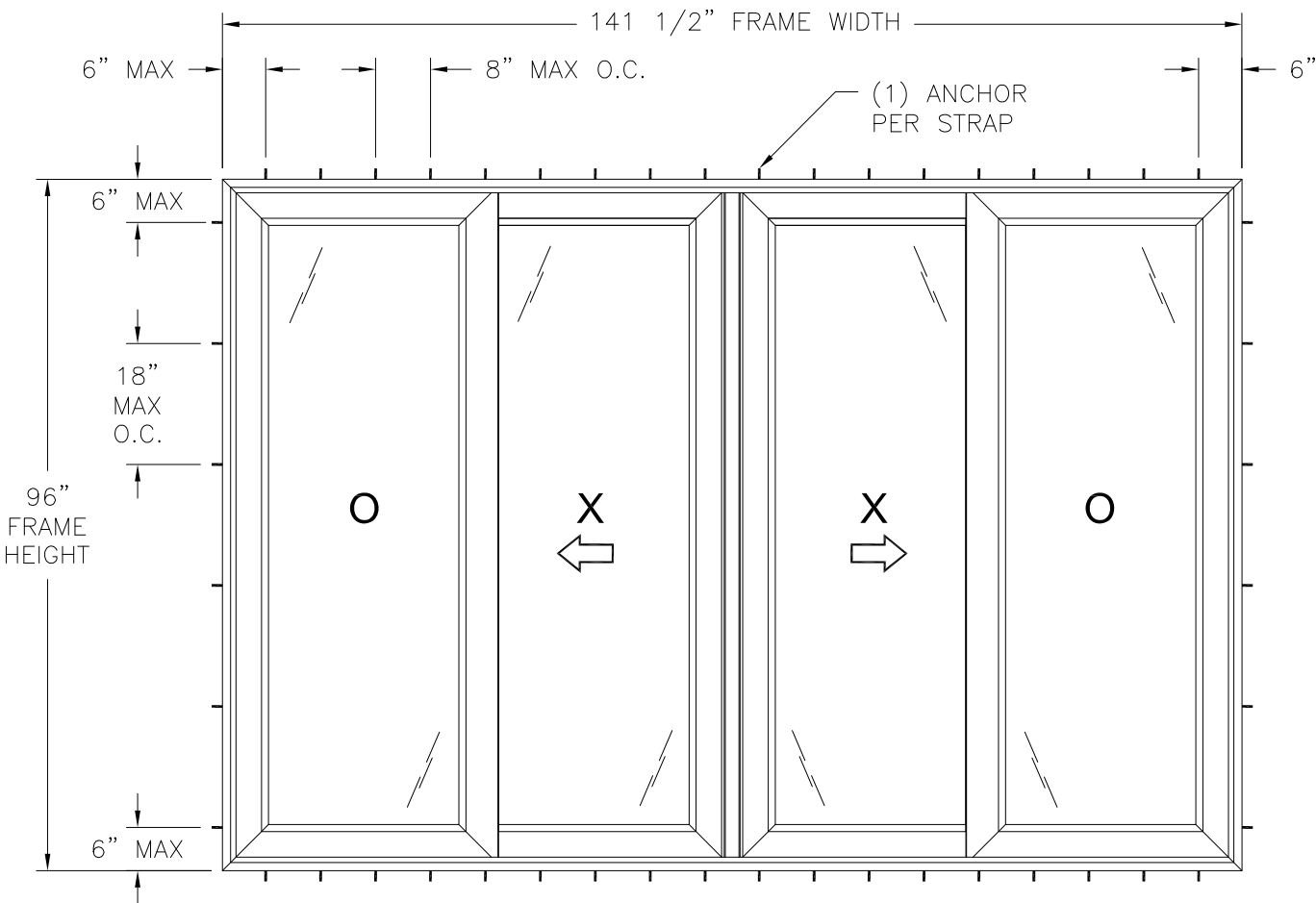


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FL No.: 62514

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**SERIES 9700 VINYL SGD OXXO**  
EXTERIOR VIEW  
FRAME INSTALLATION



**SERIES 9700 VINYL SGD OXXO**  
EXTERIOR VIEW  
STRAP INSTALLATION

| WITH 3.75" SILL RISER  |               |
|------------------------|---------------|
| DESIGN PRESSURE RATING | IMPACT RATING |
| ±90.0PSF               | NONE          |

- 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 INTERIOR OF INTERLOCK AND ASTRAGAL                |
| E.                | ALUMINUM REINFORCEMENT (2"x2"x1/4") AT INTERLOCK EXTERIOR                                |

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ELEVATIONS

|                |                     |                  |
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| DRAWN:<br>R.L. | DWG NO.<br>08-03563 | REV<br>A         |
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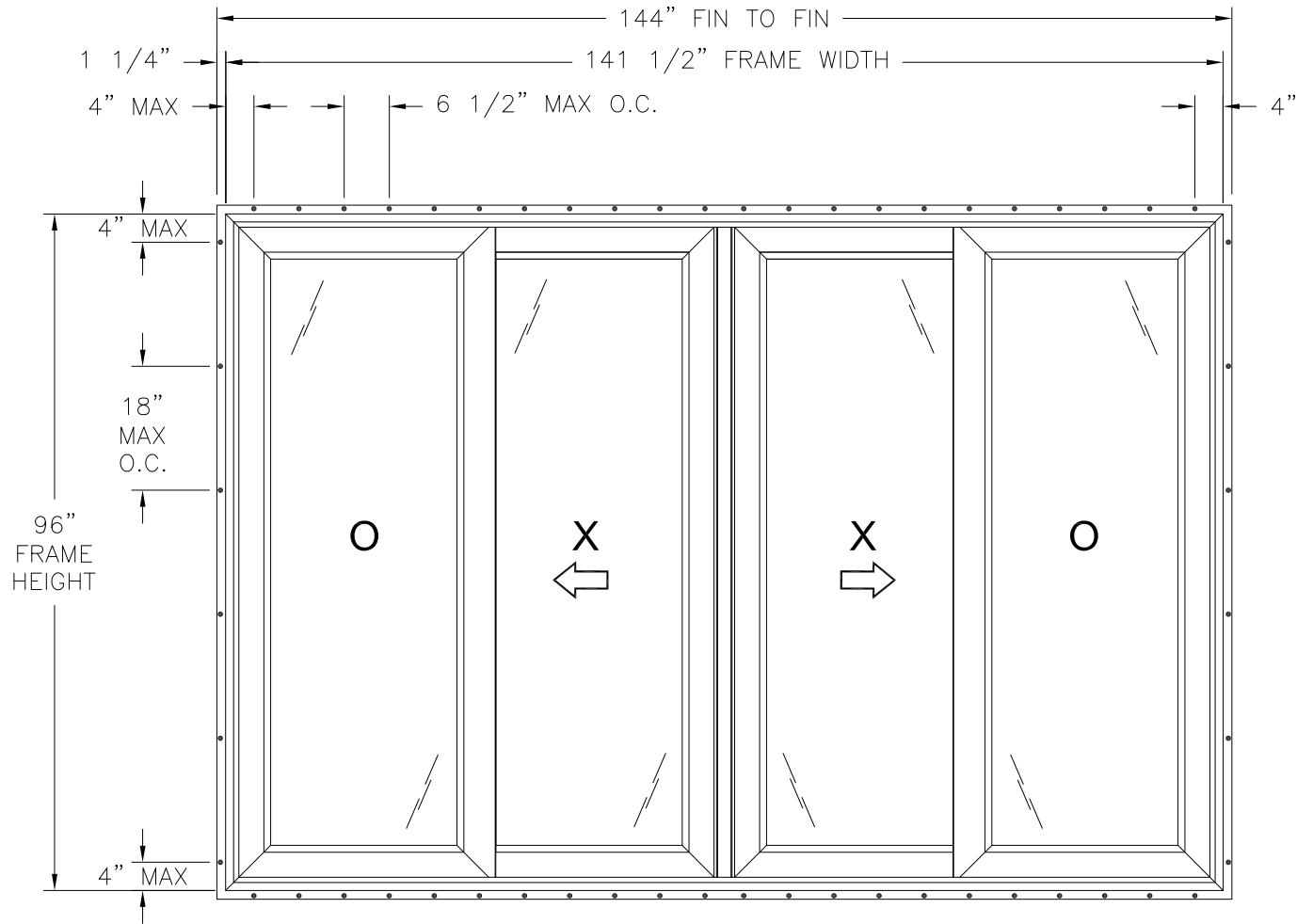
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**SERIES 9700 VINYL SGD OXXO**  
EXTERIOR VIEW  
FIN INSTALLATION  
FOR RATINGS AND NOTES SEE SHEET 2

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SERIES 9700 VINYL SGD 12080  
OXXO NON-IMPACT  
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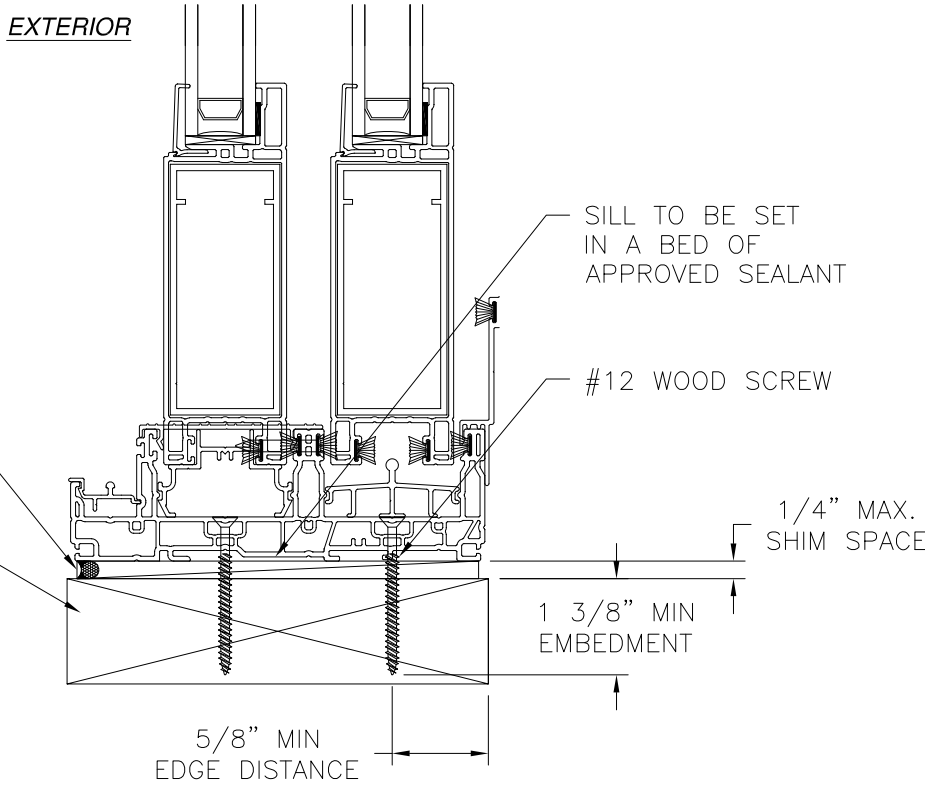
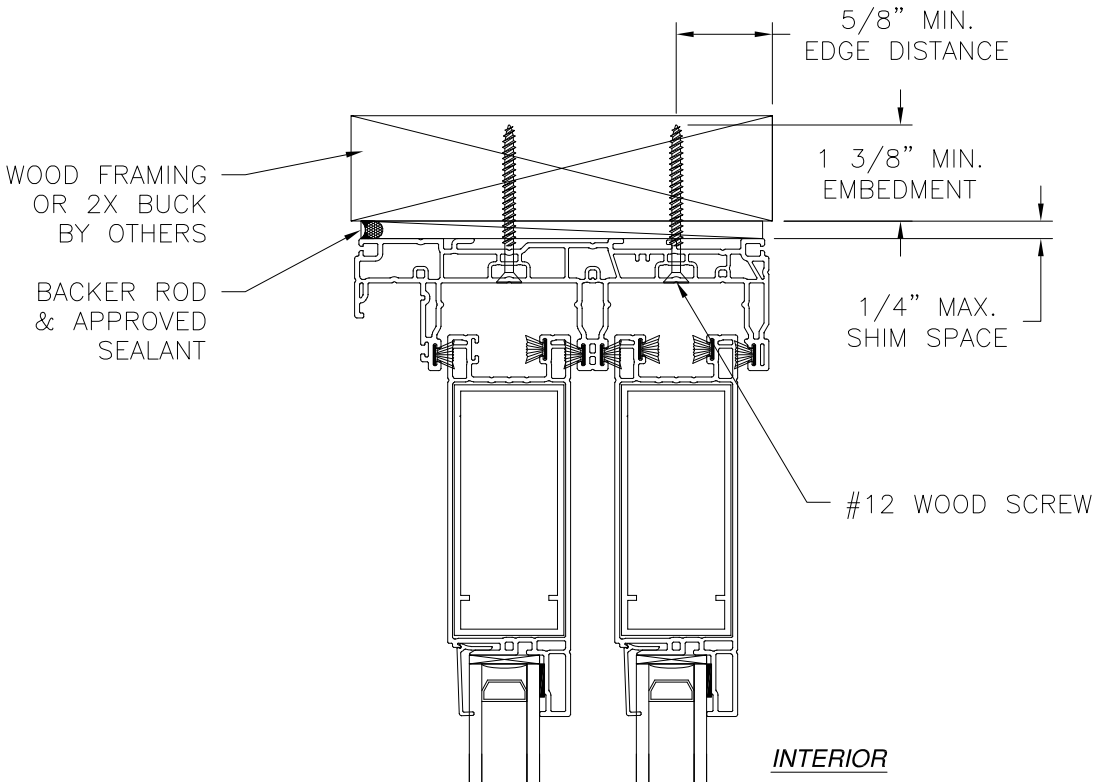
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SHEET 3 OF 12

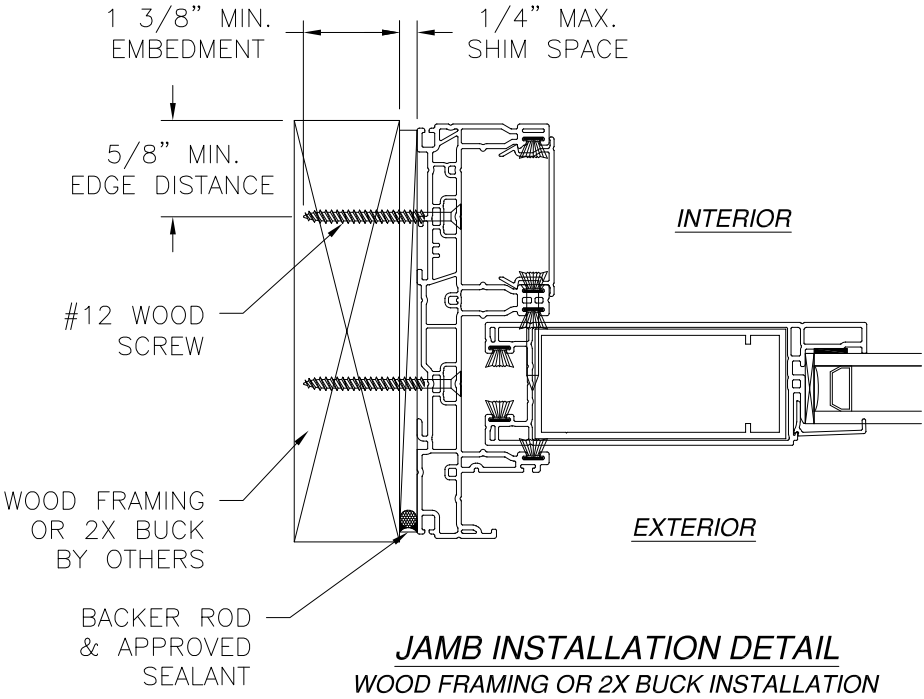
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**VERTICAL CROSS SECTION**  
WOOD FRAMING OR 2X BUCK INSTALLATION



- 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 FBC RESIDENTIAL AND BUILDING AND WITH FMA/AAMA/WDMA PROTOCOLS

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SERIES 9700 VINYL SGD 12080  
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FRAME INSTALLATION DETAILS

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SHEET 4 OF 12

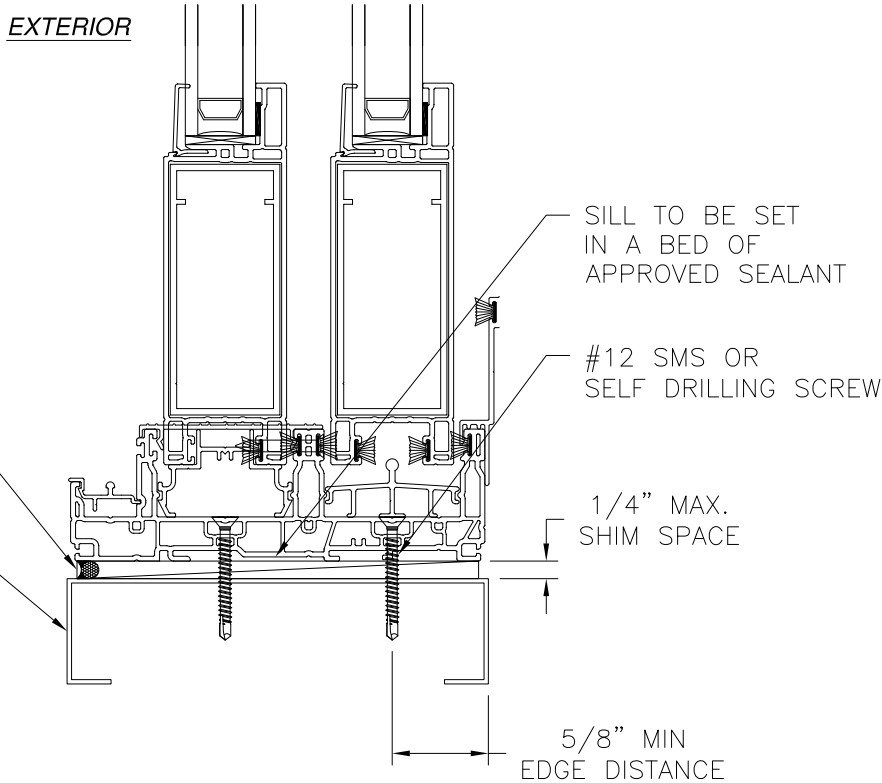
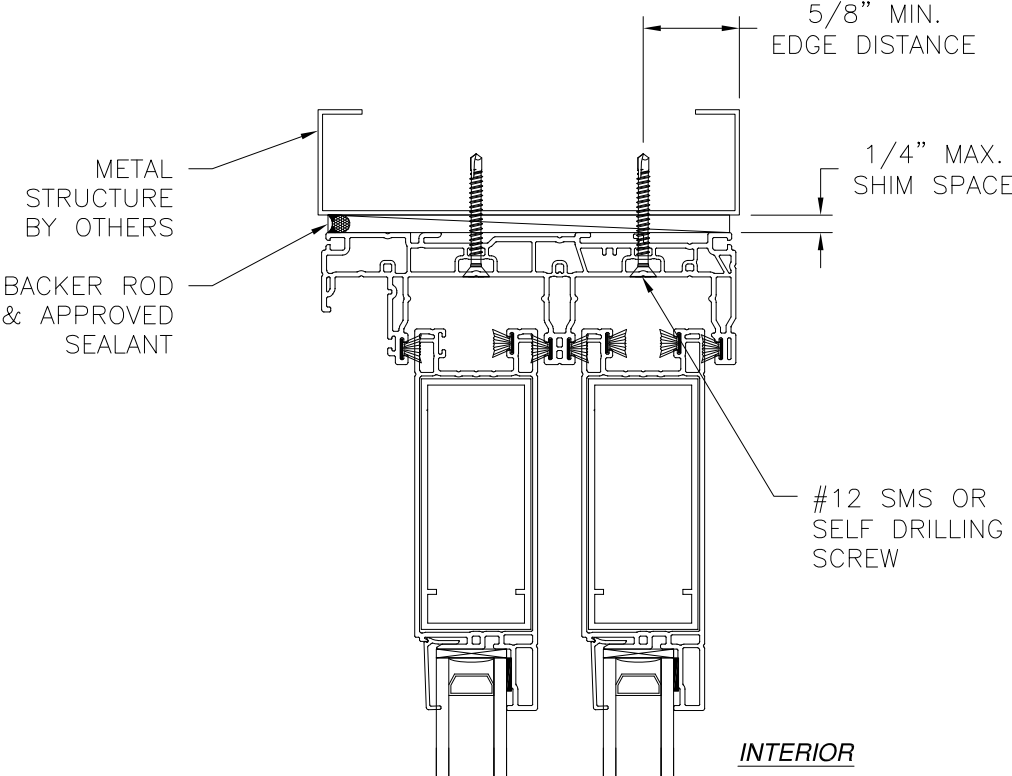
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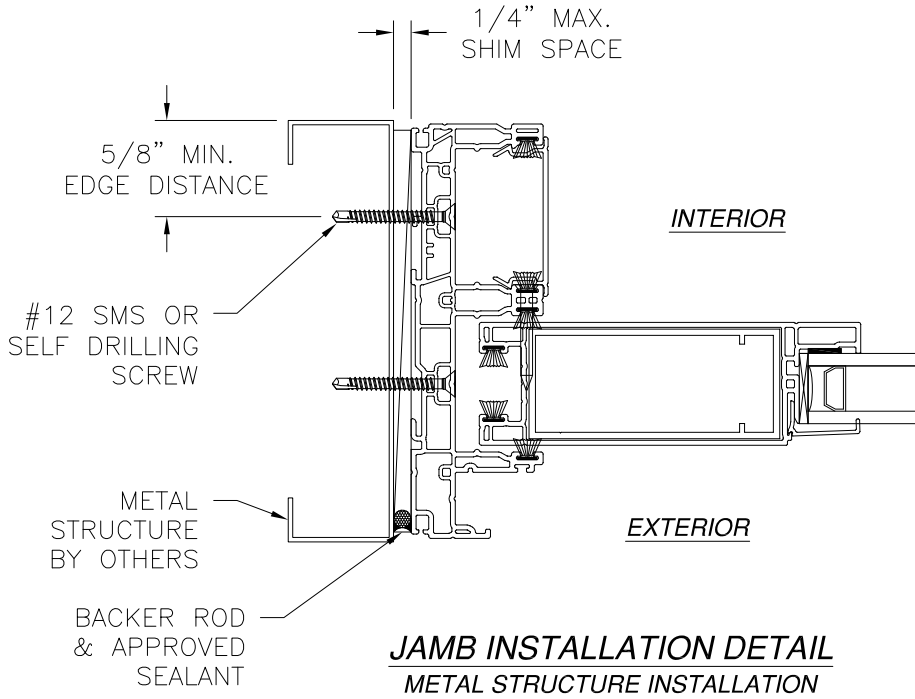


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**VERTICAL CROSS SECTION**  
METAL STRUCTURE INSTALLATION



**JAMB INSTALLATION DETAIL**  
METAL STRUCTURE INSTALLATION

- NOTES:**
- 1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
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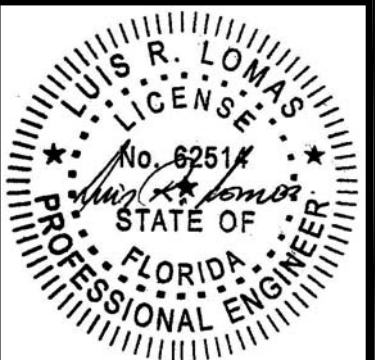
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FRAME INSTALLATION DETAILS

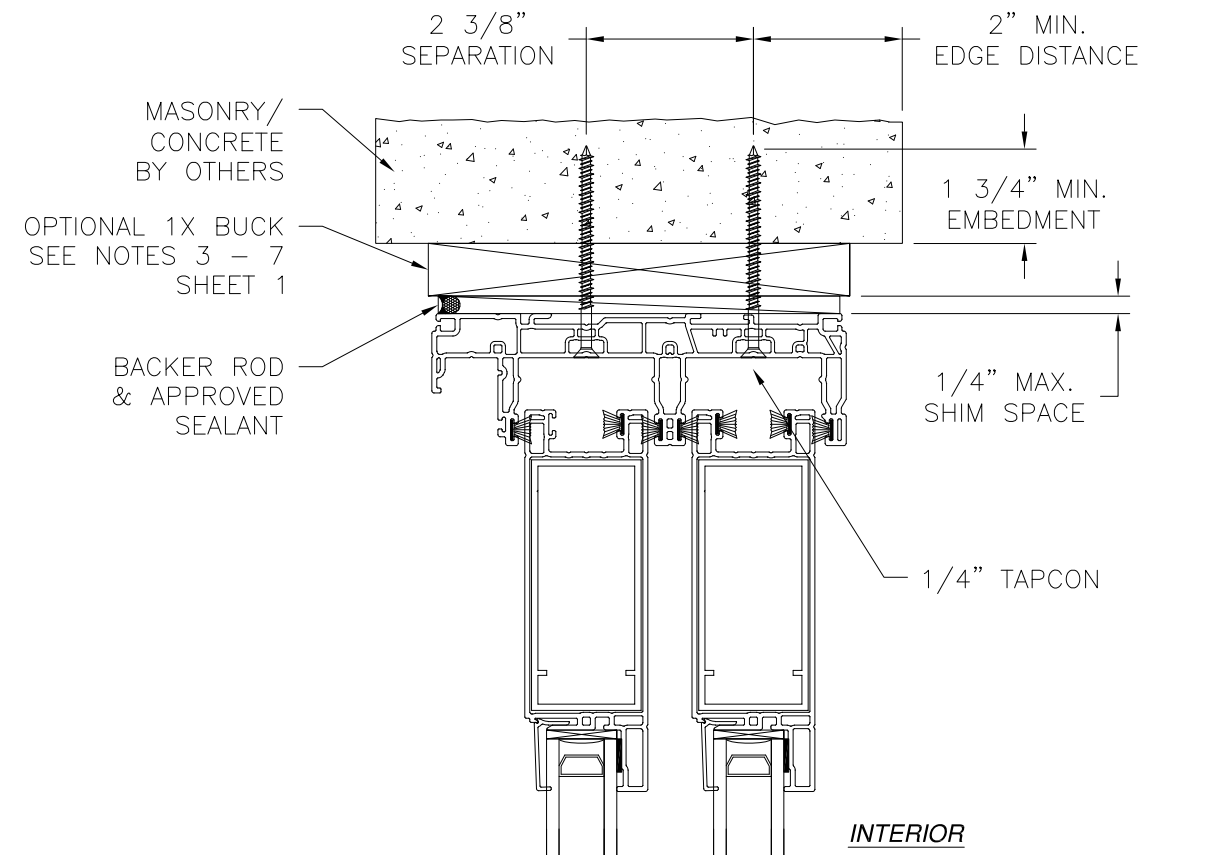
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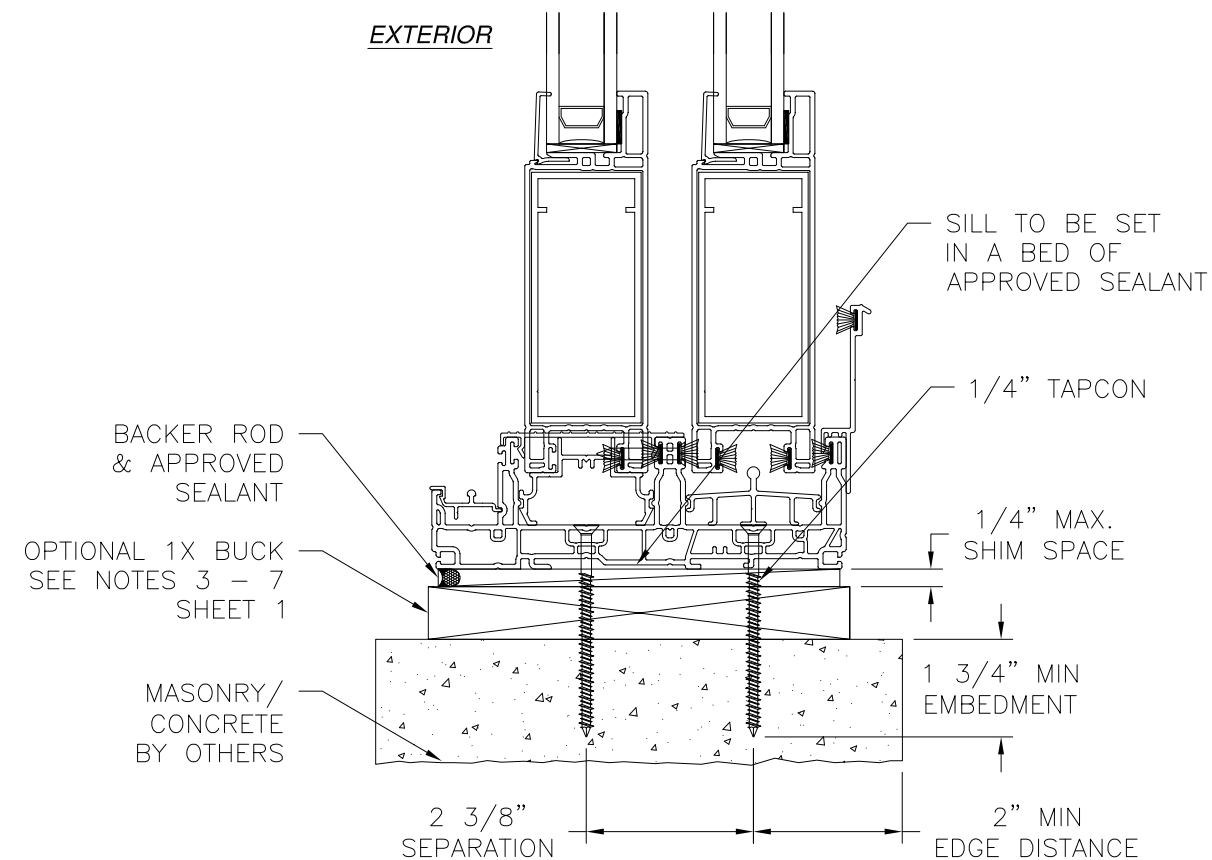
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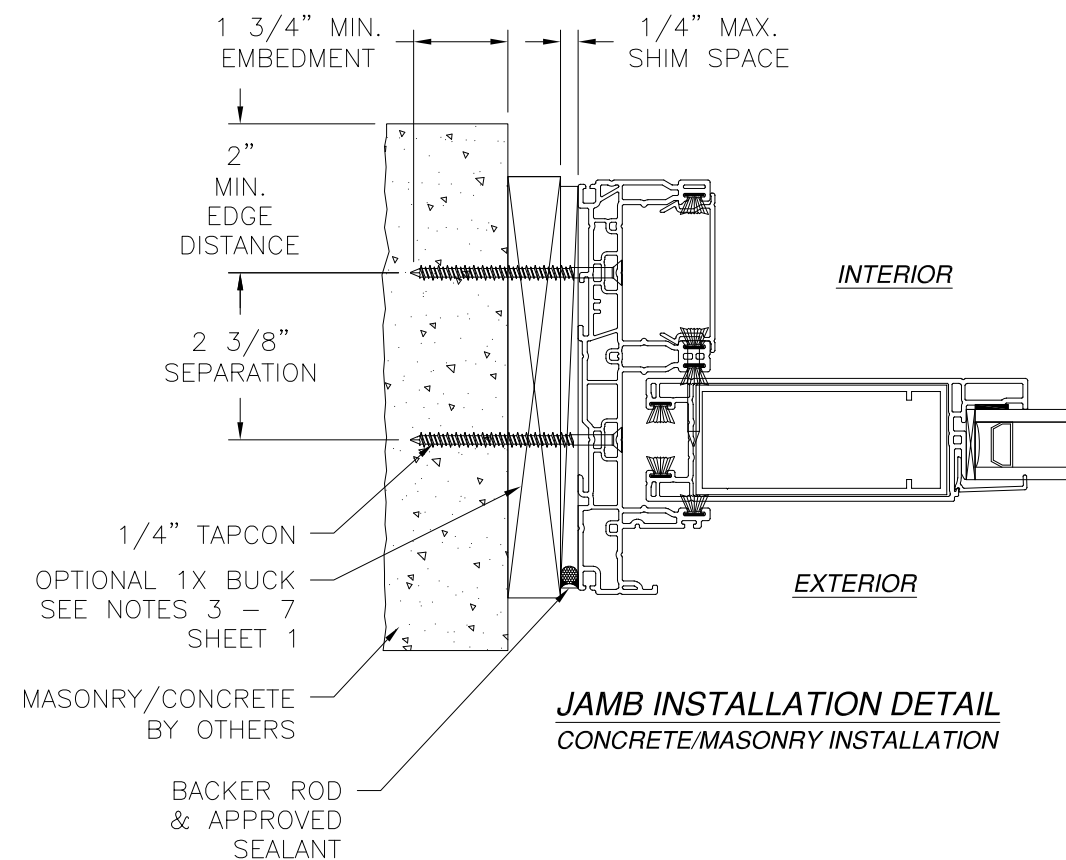
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FL No.: 62514



EXTERIOR



**VERTICAL CROSS SECTION**  
CONCRETE/MASONRY INSTALLATION



**JAMB INSTALLATION DETAIL**  
CONCRETE/MASONRY INSTALLATION

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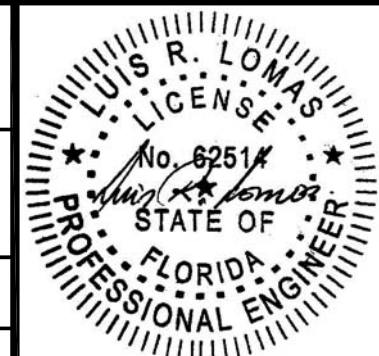
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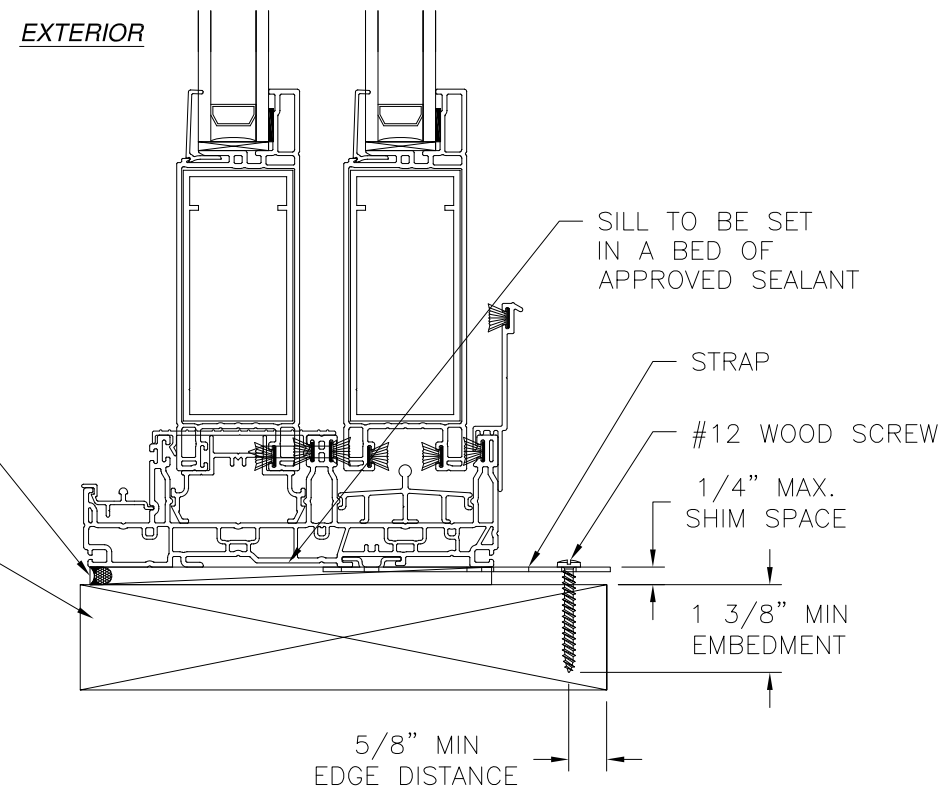
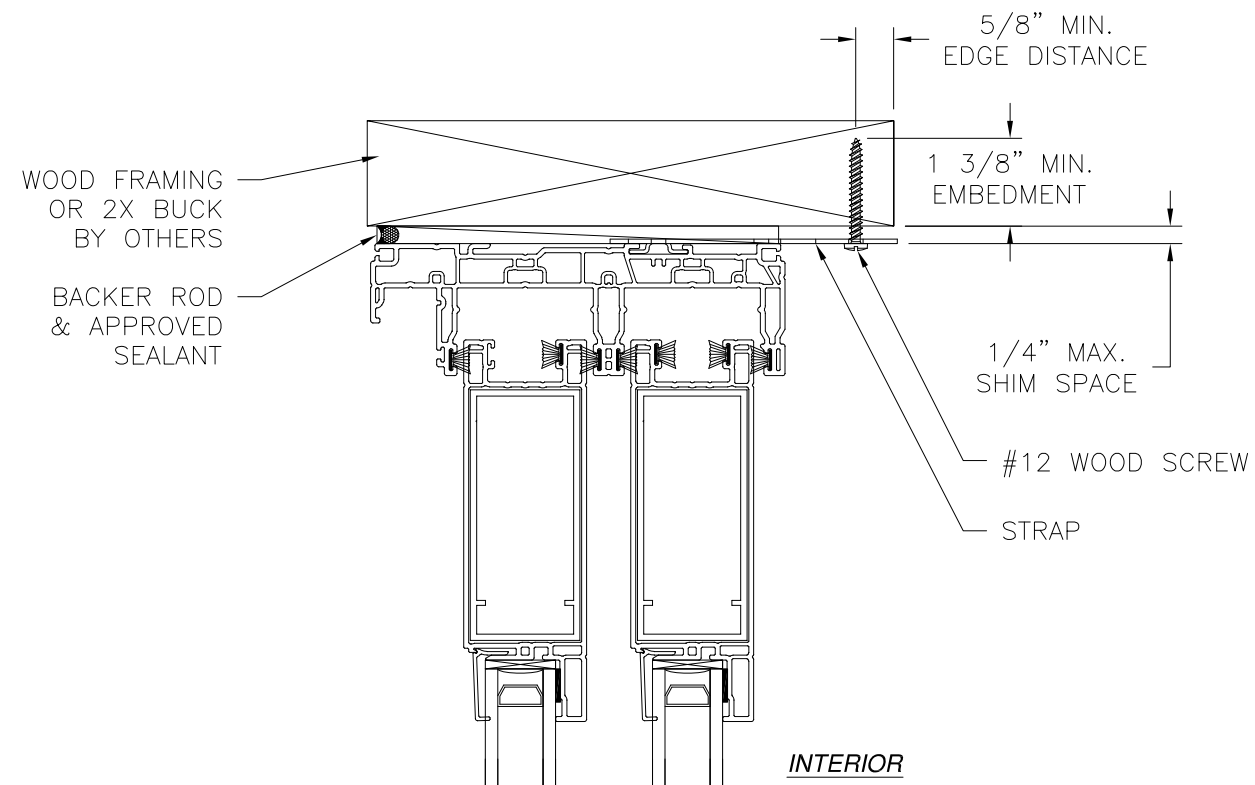
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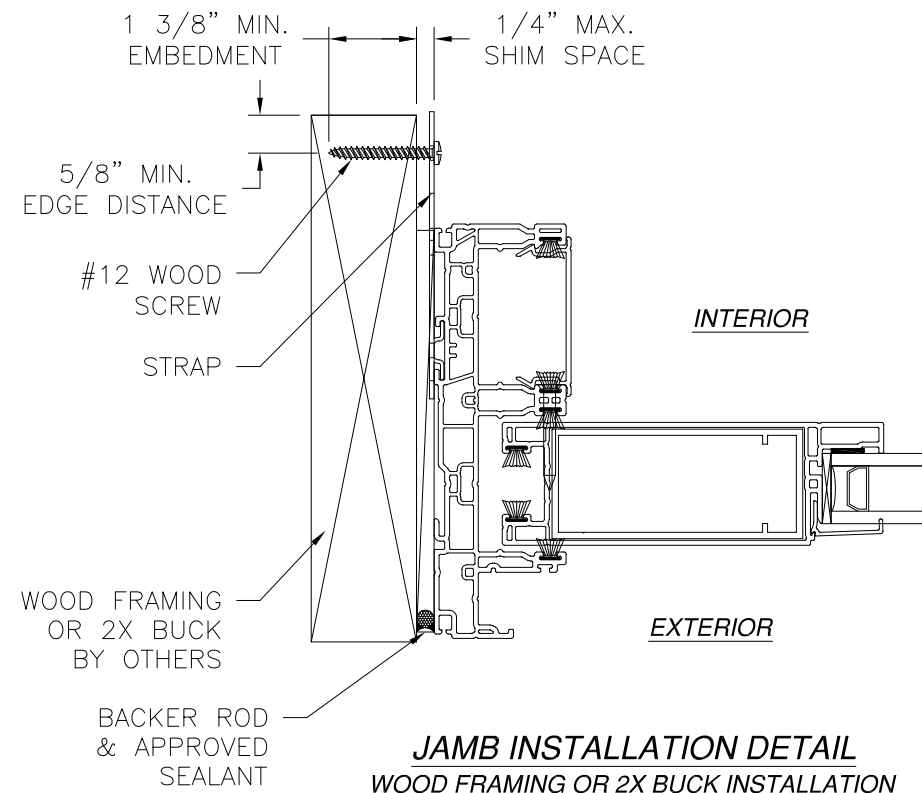
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**VERTICAL CROSS SECTION**  
WOOD FRAMING OR 2X BUCK INSTALLATION



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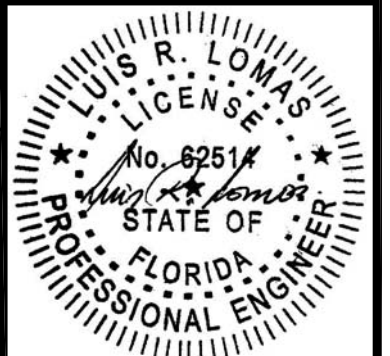
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171 JET SERVICES WAY  
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SERIES 9700 VINYL SGD 12080  
OXXO NON-IMPACT  
STRAP INSTALLATION DETAILS

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| SCALE NTS      | DATE 06/09/2020     | SHEET 7 OF 12 |

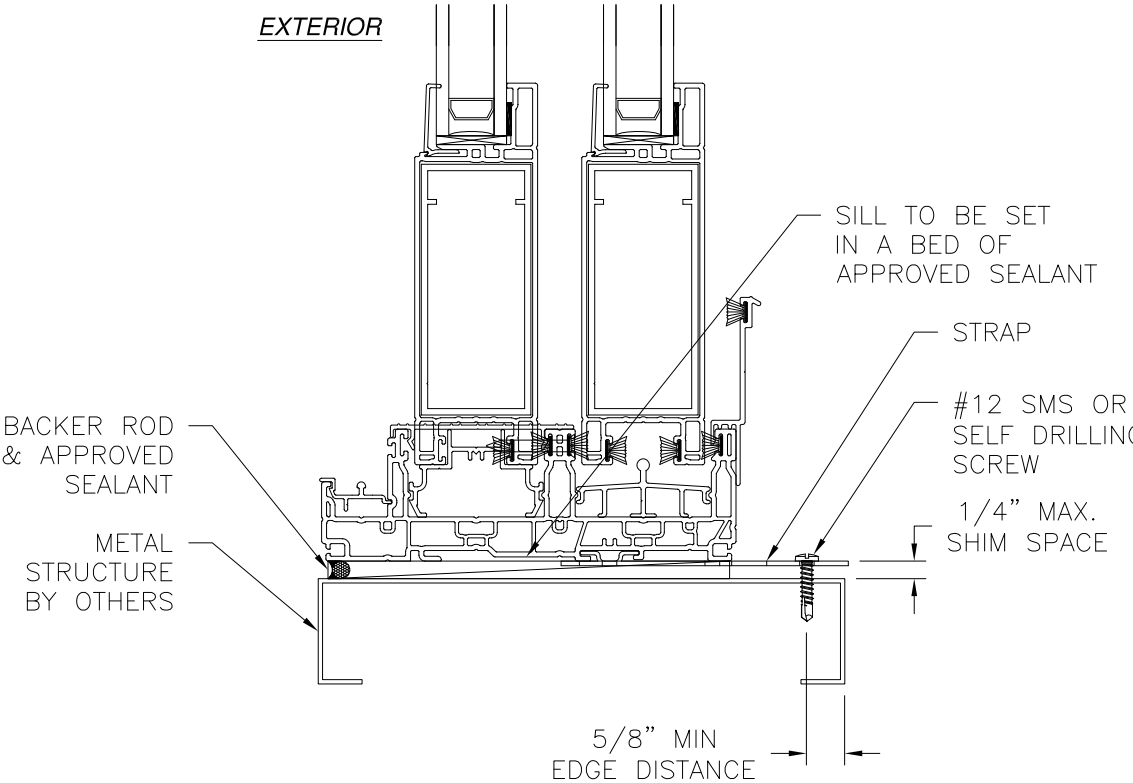
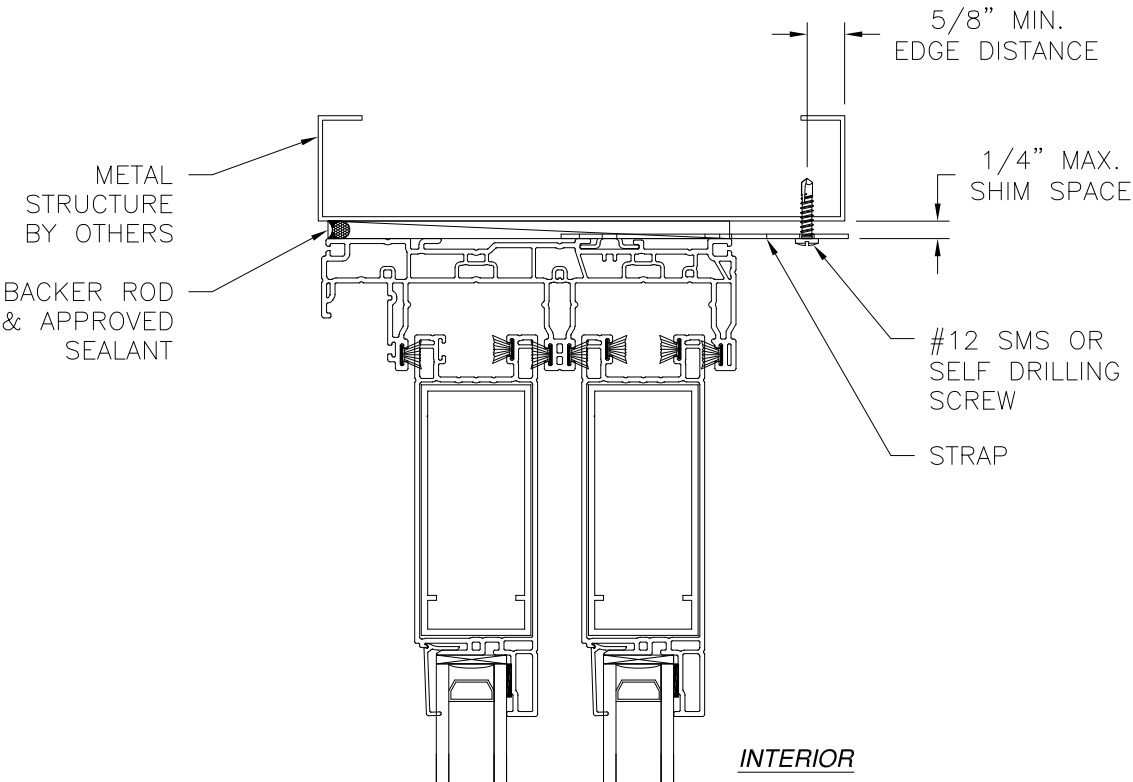
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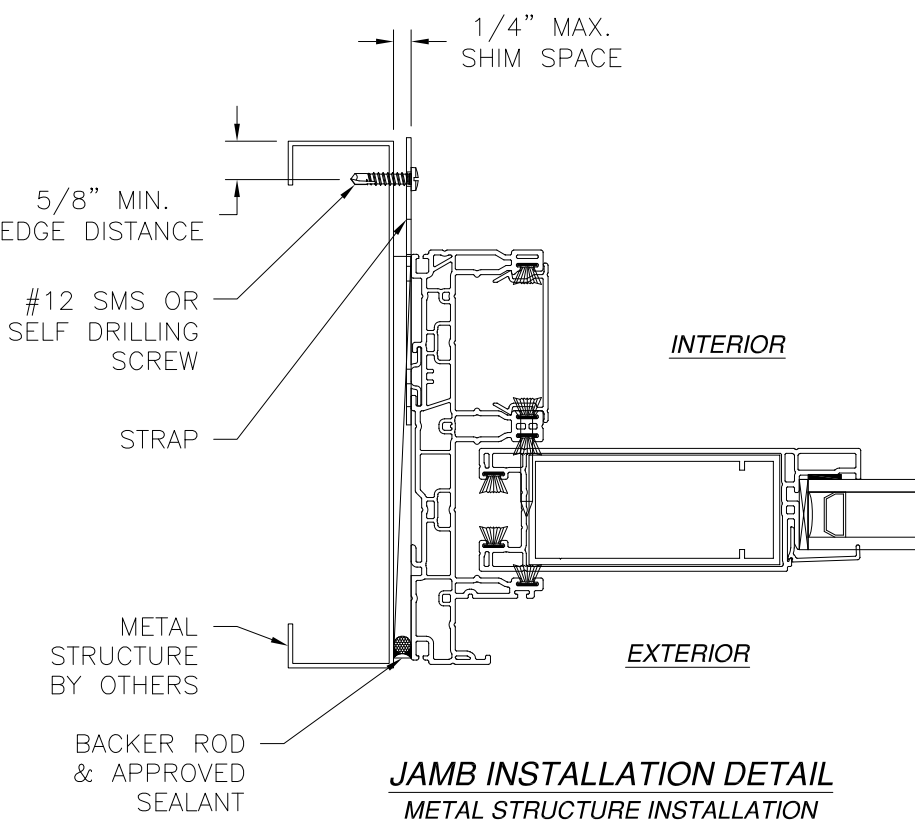


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**VERTICAL CROSS SECTION**  
METAL STRUCTURE INSTALLATION



**JAMB INSTALLATION DETAIL**  
METAL STRUCTURE INSTALLATION

- NOTES:**
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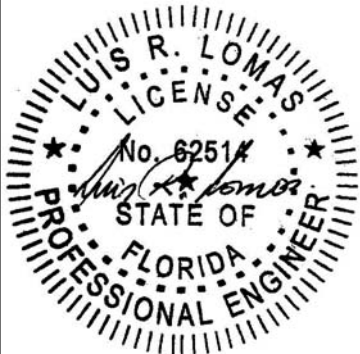
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STRAP INSTALLATION DETAILS

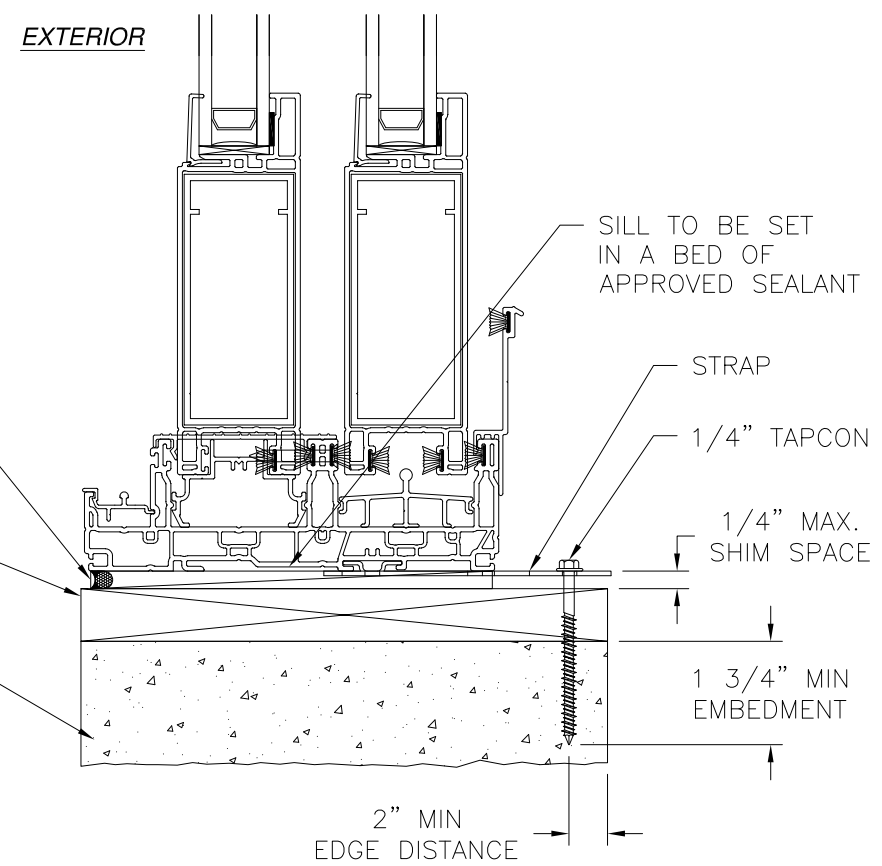
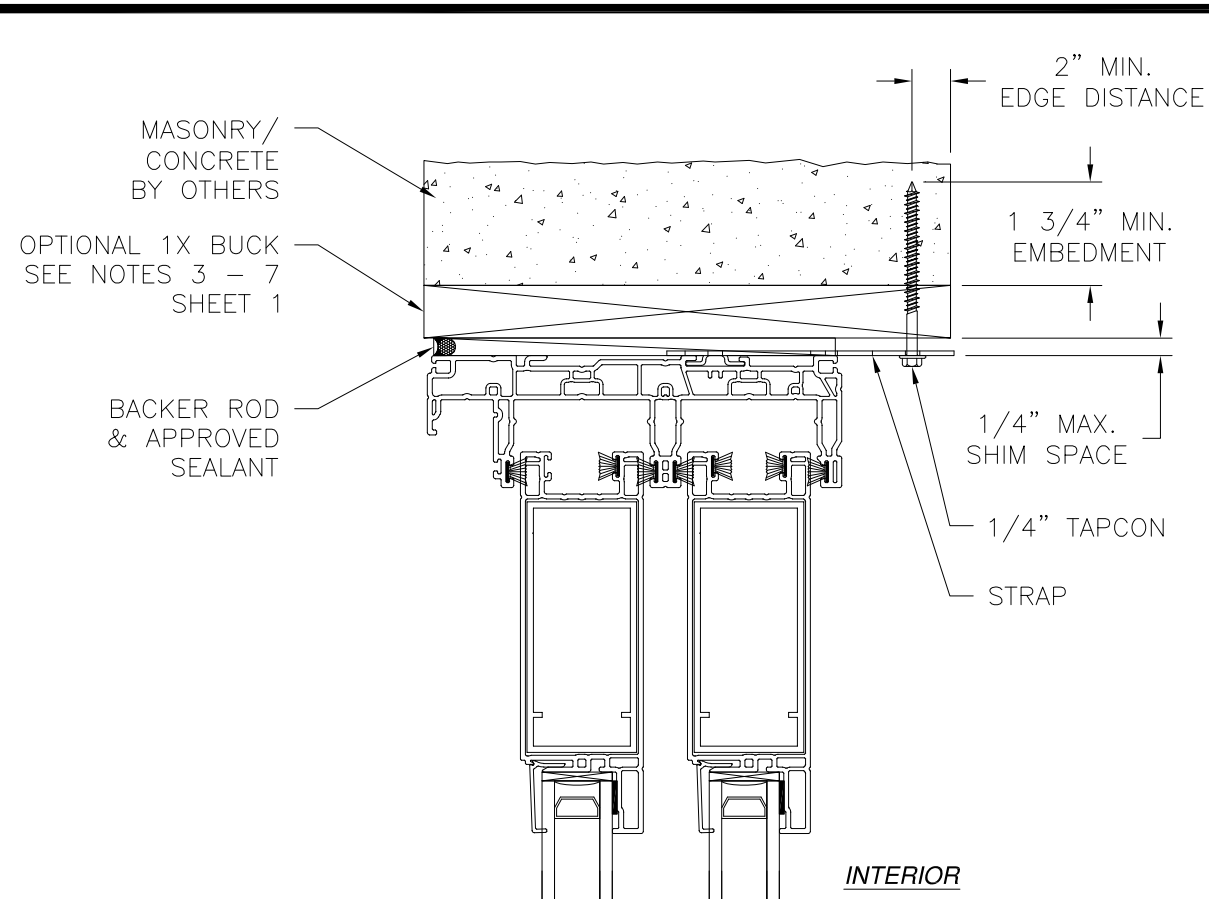
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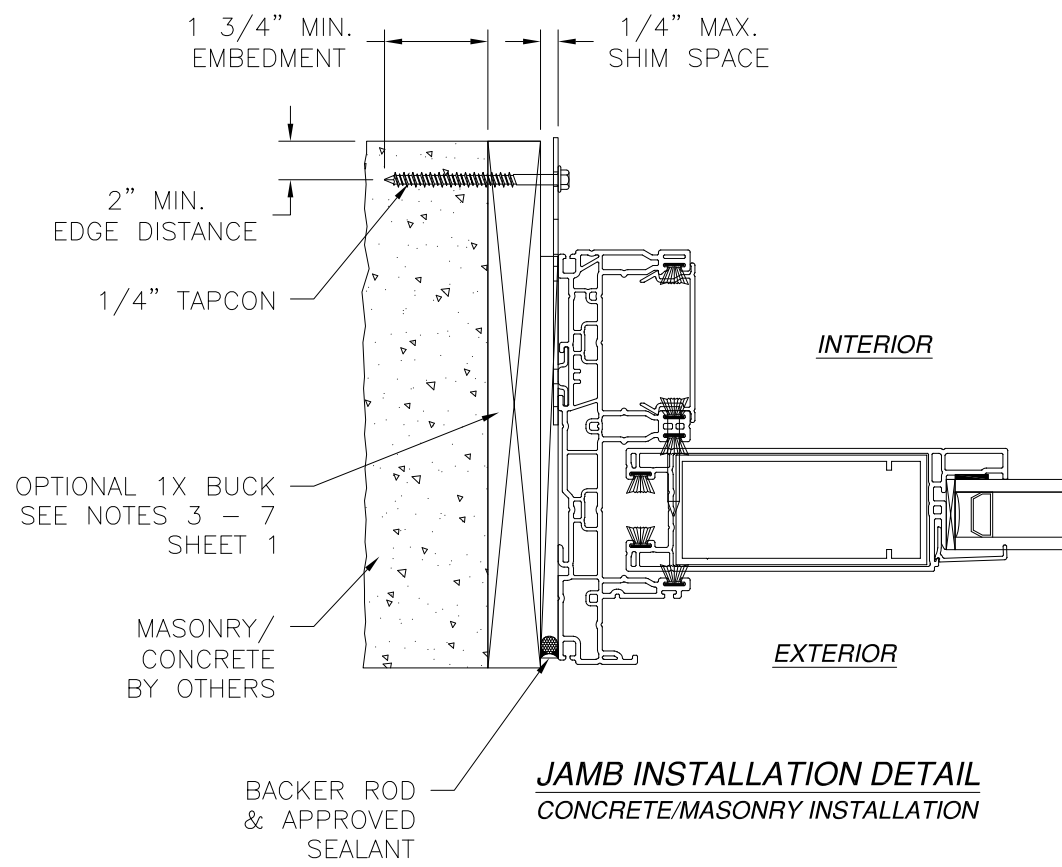
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**VERTICAL CROSS SECTION**  
CONCRETE/MASONRY INSTALLATION



**JAMB INSTALLATION DETAIL**  
CONCRETE/MASONRY INSTALLATION

- NOTES:**
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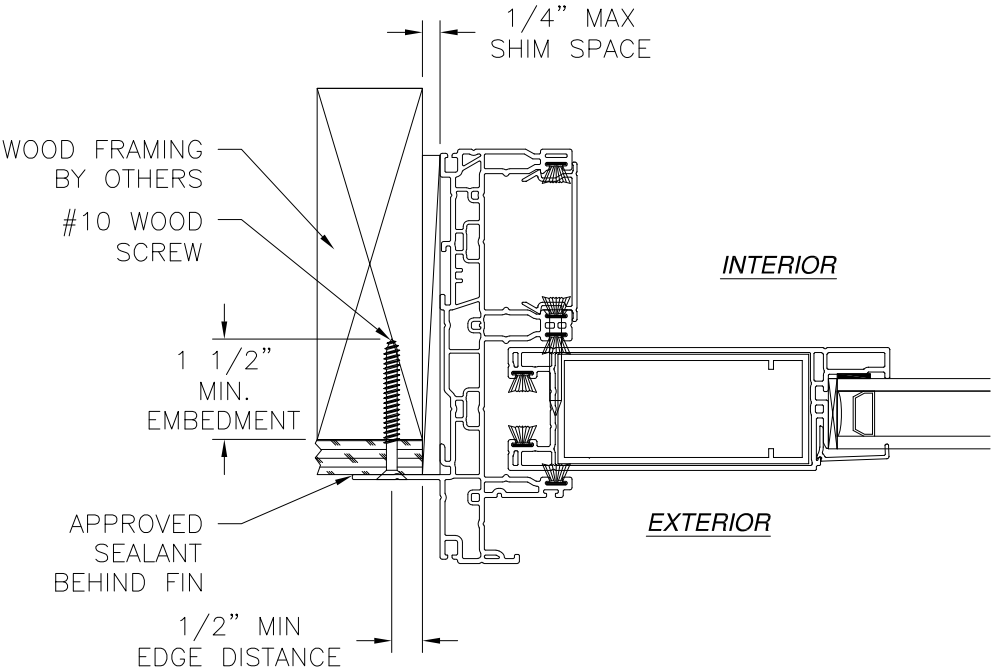
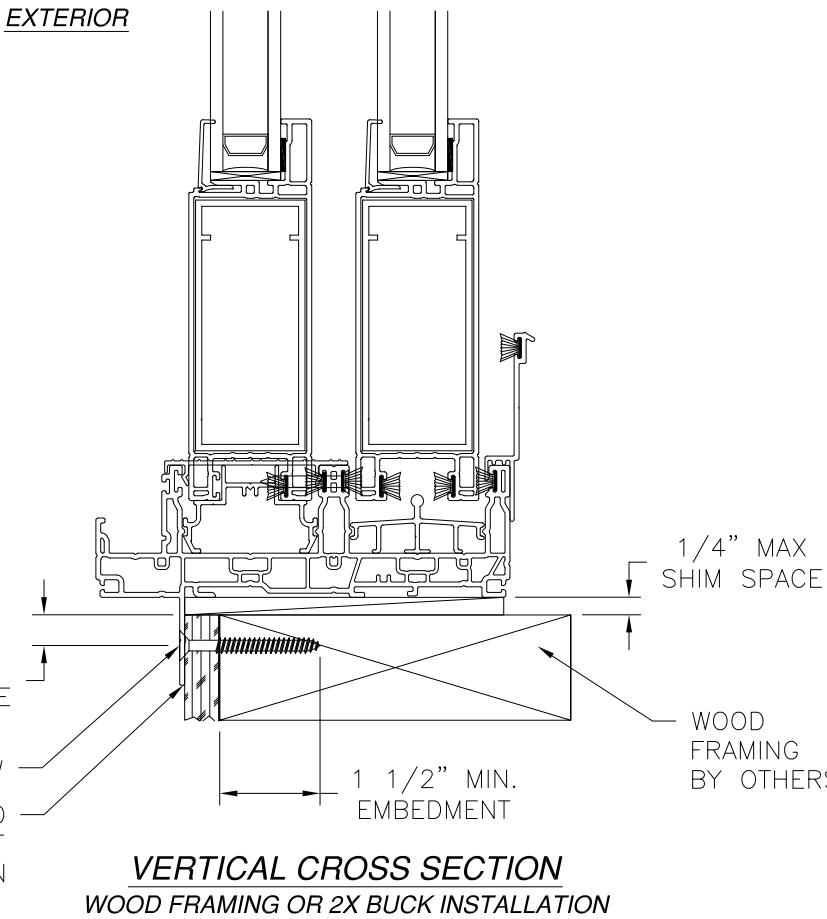
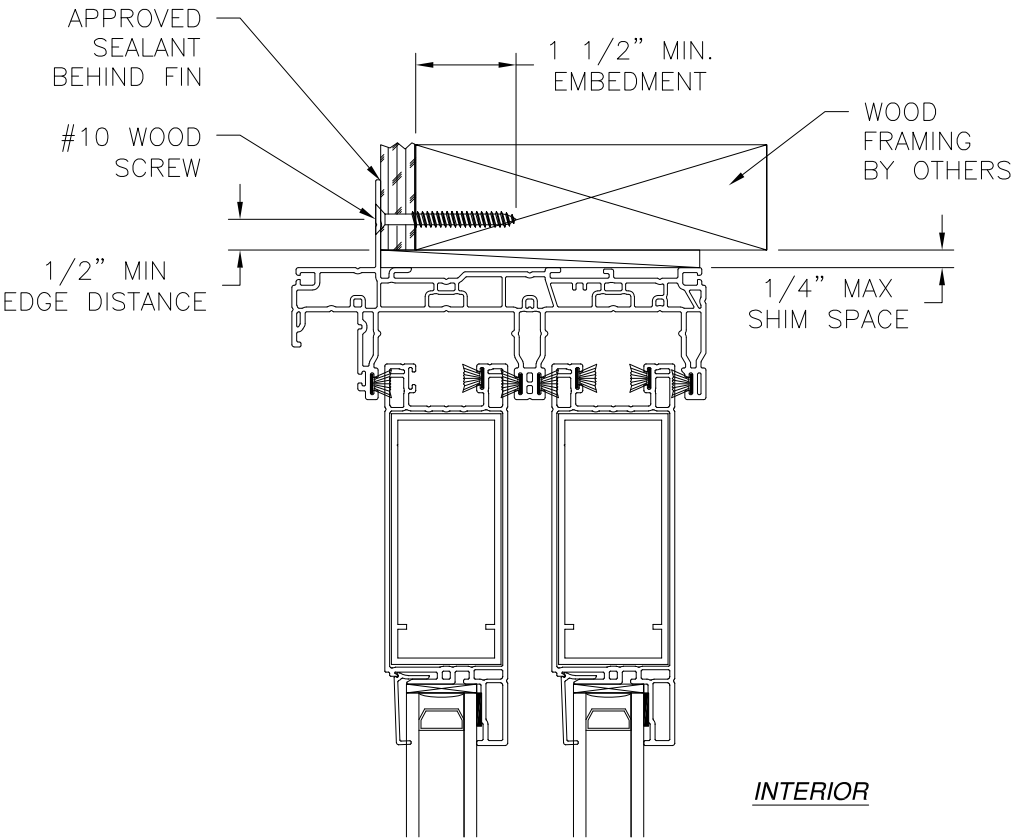
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JAMB INSTALLATION DETAIL  
WOOD FRAMING OR 2X BUCK INSTALLATION

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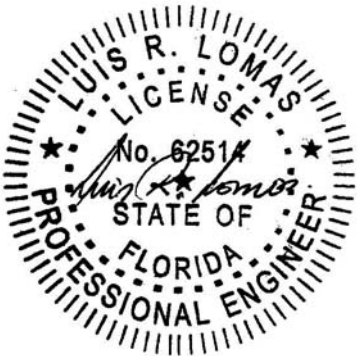
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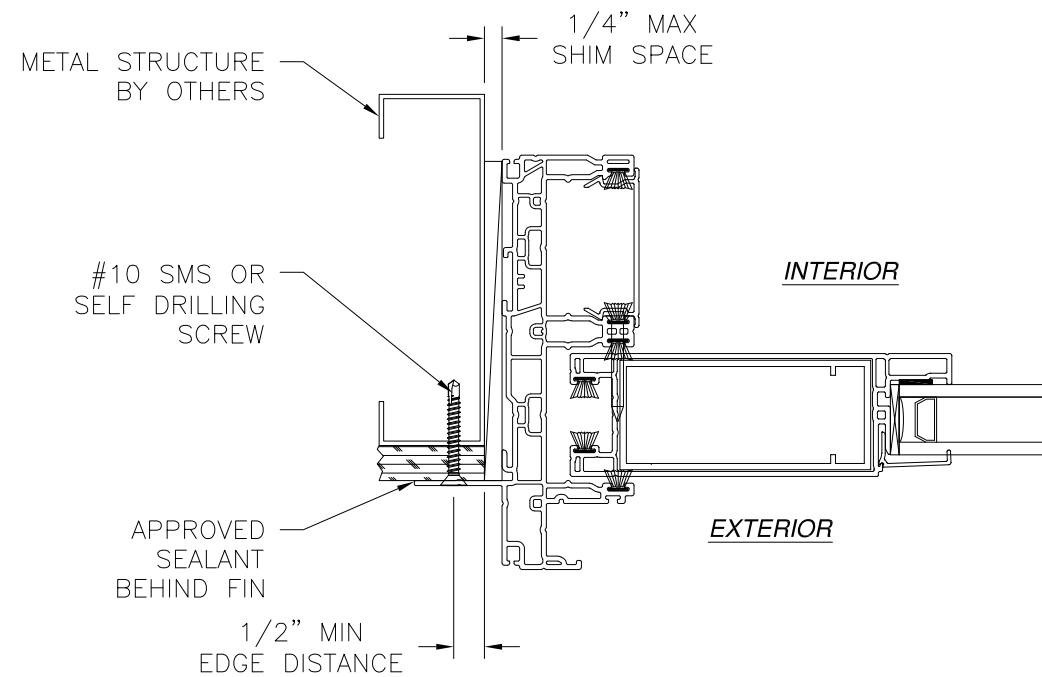
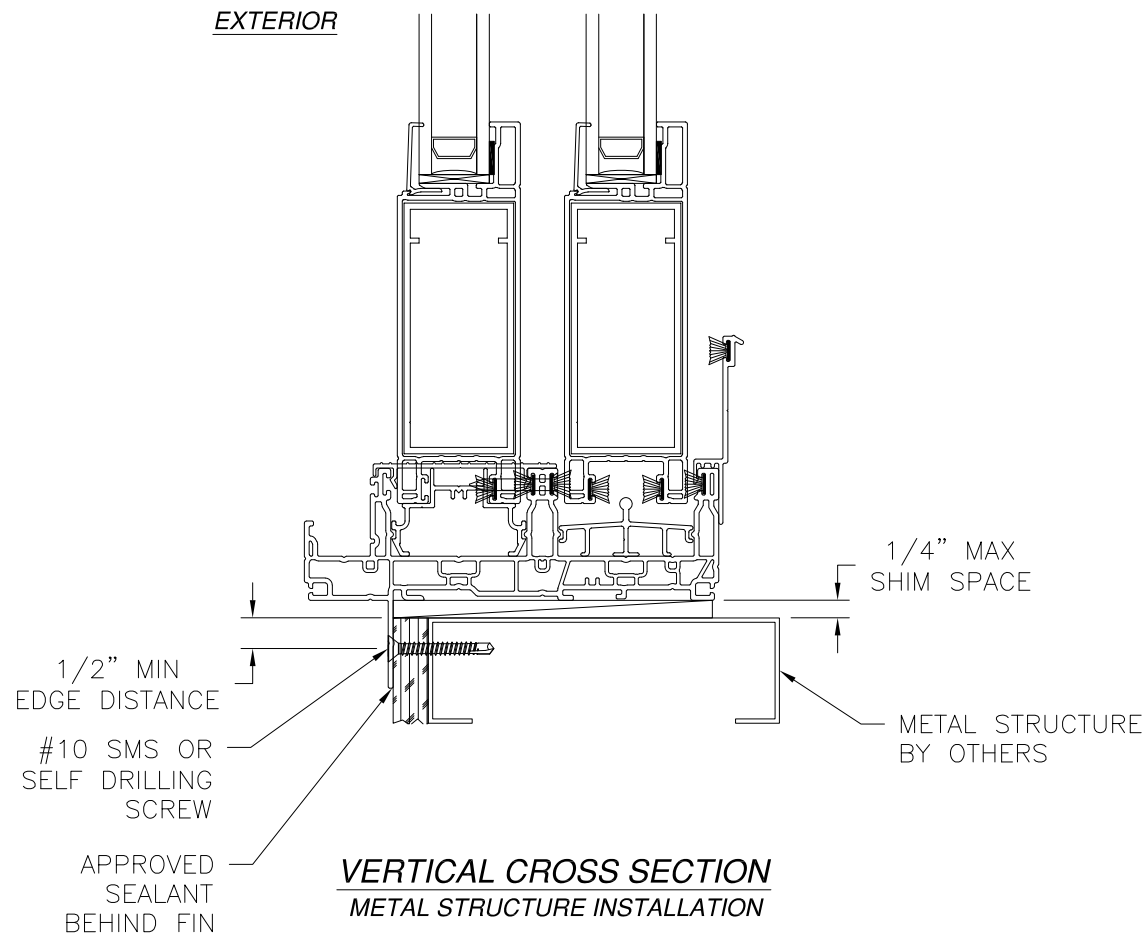
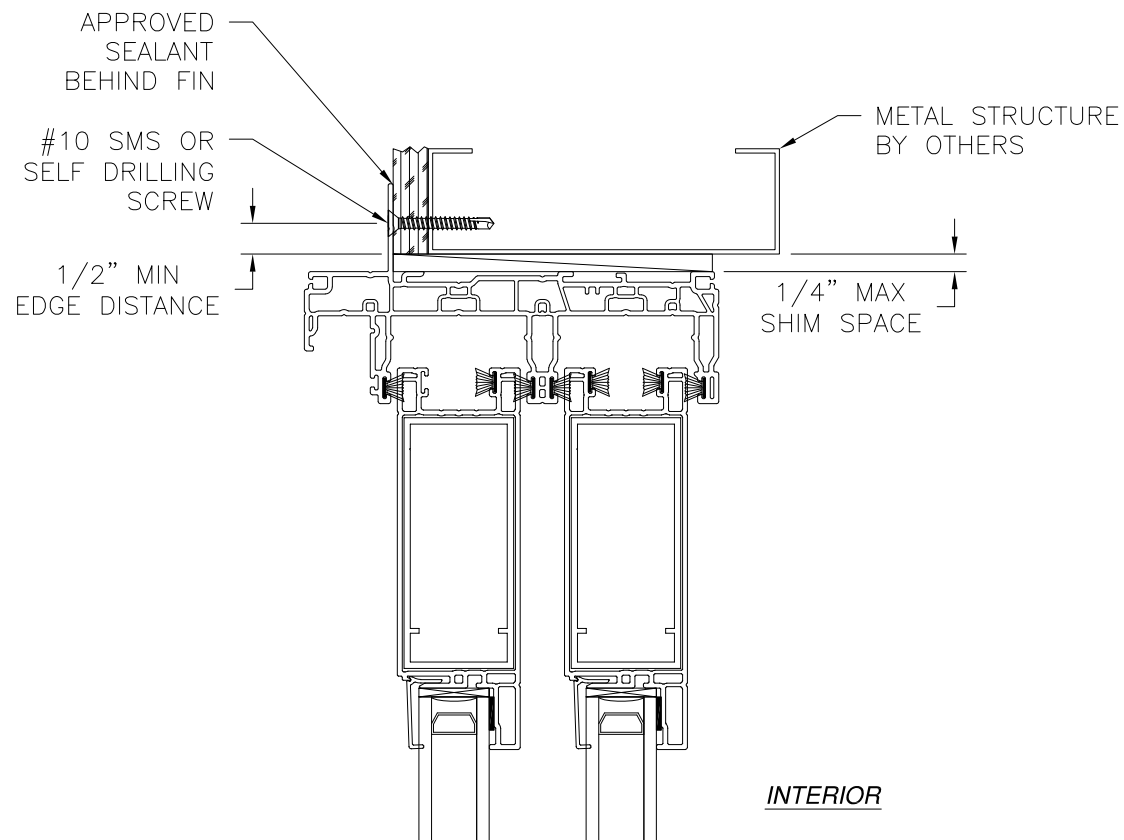
REV  
A

SCALE NTS
DATE 06/09/2020
SHEET 10 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



**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 FBC RESIDENTIAL AND BUILDING AND WITH FMA/AAMA/WDMA PROTOCOLS

| REVISIONS |                          |            |          |
|-----------|--------------------------|------------|----------|
| REV       | DESCRIPTION              | DATE       | APPROVED |
| A         | ADDED NEW CONFIGURATIONS | 06/15/2021 | R.L.     |

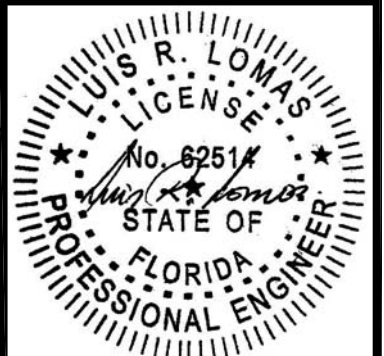
SHWINCO ARCHITECTURAL PRODUCTS, LLC  
171 JET SERVICES WAY  
DOTHAN, AL 36303

SERIES 9700 VINYL SGD 12080  
OXXO NON-IMPACT  
FIN INSTALLATION DETAILS

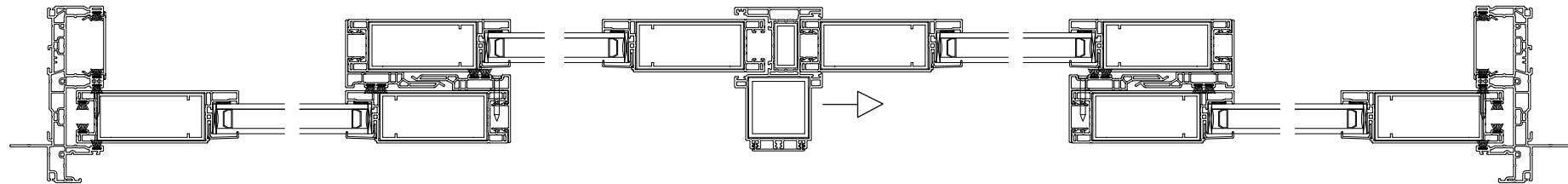
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| DRAWN:<br>R.L. | DWG NO.<br>08-03563 | REV<br>A       |
| SCALE NTS      | DATE 06/09/2020     | SHEET 11 OF 12 |

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1432 WOODFORD RD LEWISVILLE, NC 27023  
434-688-0609 rllomas@lrlomaspe.com

SIGNED: 06/29/2021

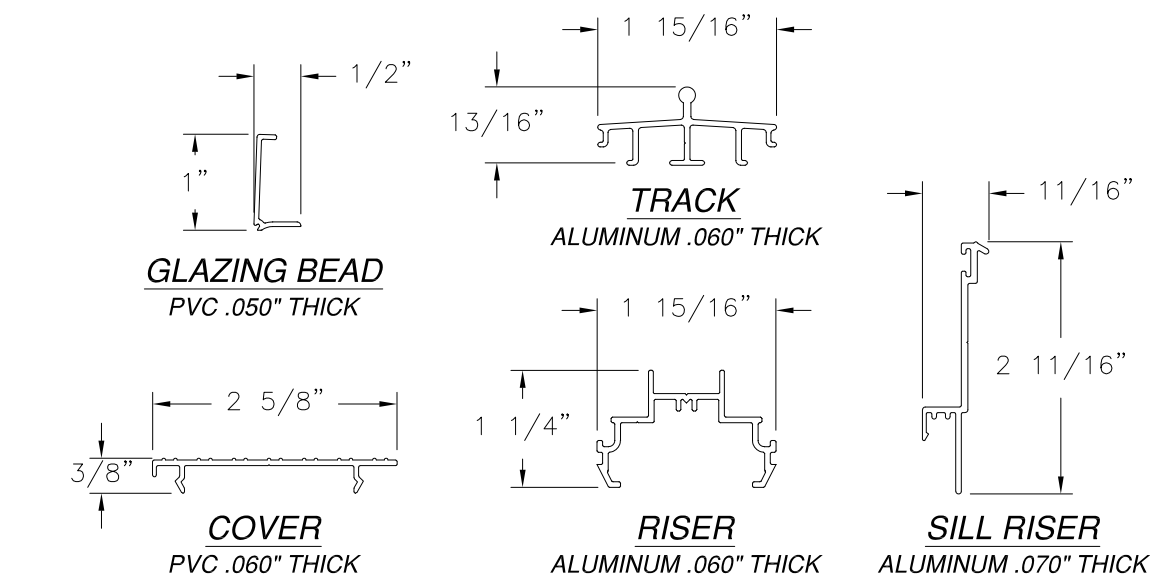
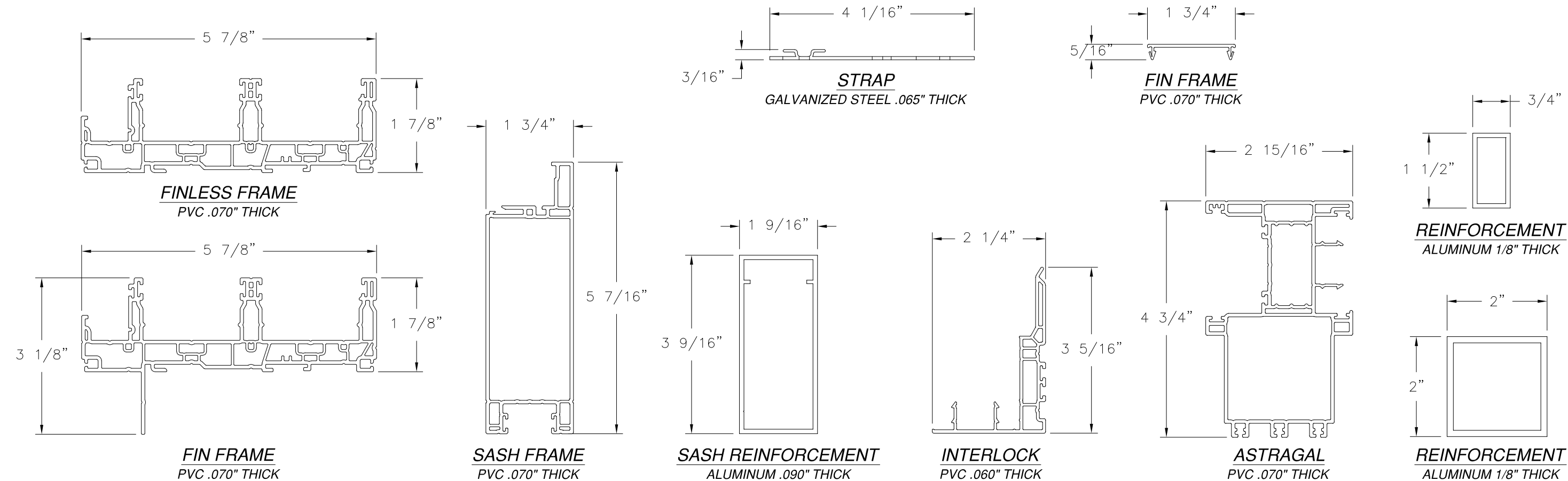


Luis R. Lomas P.E.  
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| REVISIONS |                          |            |          |
|-----------|--------------------------|------------|----------|
| REV       | DESCRIPTION              | DATE       | APPROVED |
| A         | ADDED NEW CONFIGURATIONS | 06/15/2021 | R.L.     |

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



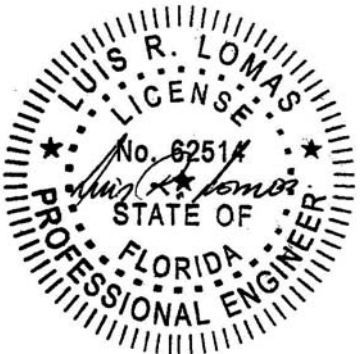
SHWINCO ARCHITECTURAL PRODUCTS, LLC  
171 JET SERVICES WAY  
DOTHAN, AL 36303

SERIES 9700 VINYL SGD 12080  
OXXO NON-IMPACT  
COMPONENTS

|                |                     |                |
|----------------|---------------------|----------------|
| DRAWN:<br>R.L. | DWG NO.<br>08-03563 | REV<br>A       |
| SCALE NTS      | DATE 06/09/2020     | SHEET 12 OF 12 |

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