

| 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" WINDOW 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. WINDOW 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 WINDOW 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 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 FRAME INTO WOOD FRAMING OR 2X BUCK USE #10 WOOD SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 3/8" MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
16. FOR ANCHORING THROUGH FRAME INTO MASONRY/CONCRETE USE 3/16" TAPCONS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/4" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 2 1/2" 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:

A. WOOD – MINIMUM SPECIFIC GRAVITY OF G=0.42

B. CONCRETE – MINIMUM COMPRESSIVE STRENGTH OF 3,192 PSI.

C. MASONRY – STRENGTH CONFORMANCE TO ASTM C-90, GRADE N, TYPE 1 (OR GREATER).

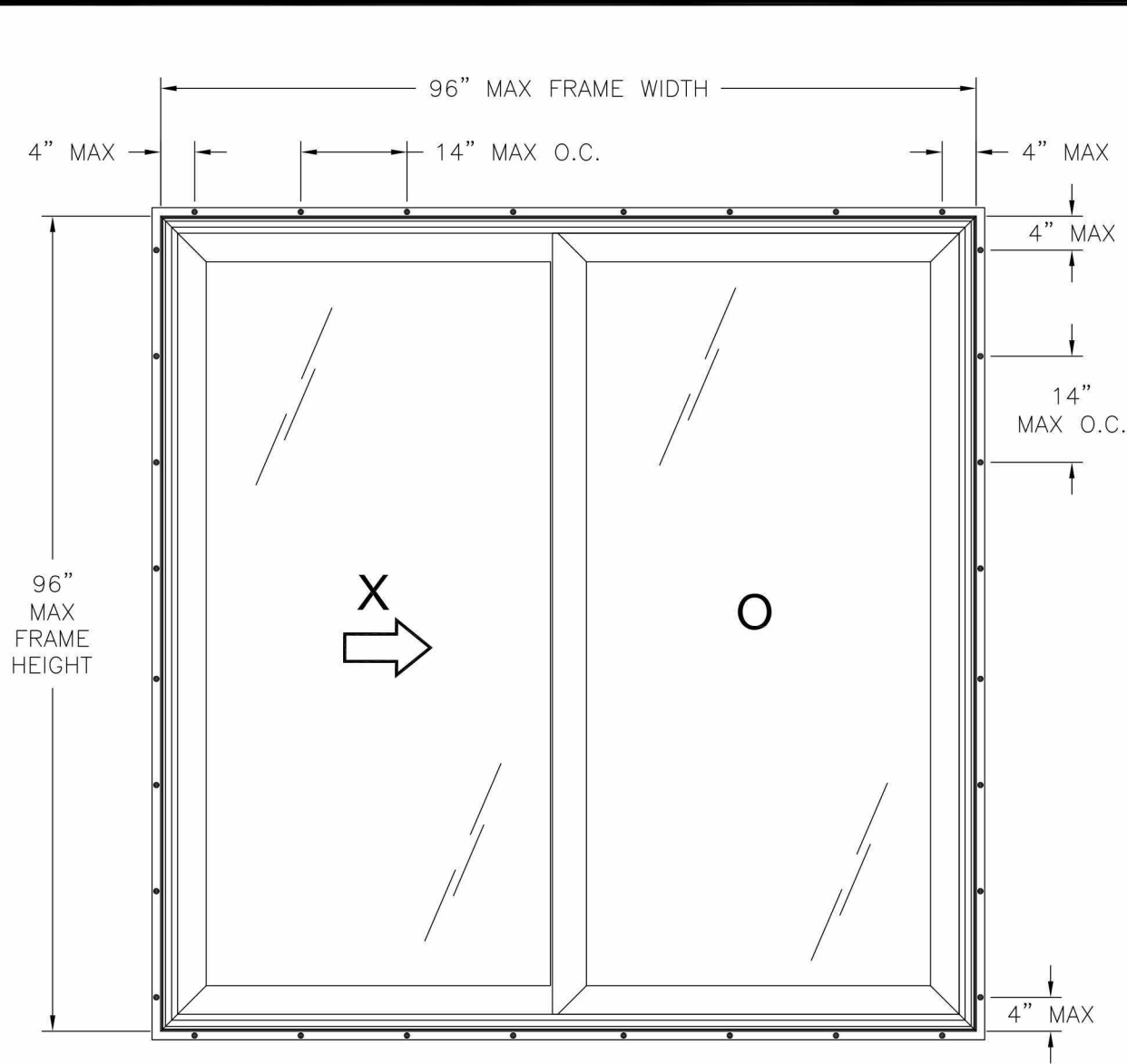
D. METAL STRUCTURE: STEEL 18GA, 33KSI OR ALUMINUM 6063-T5 1/8" THICK MINIMUM
20. APPROVED CONFIGURATIONS: OX, XO.

SIGNED: 02/05/2015

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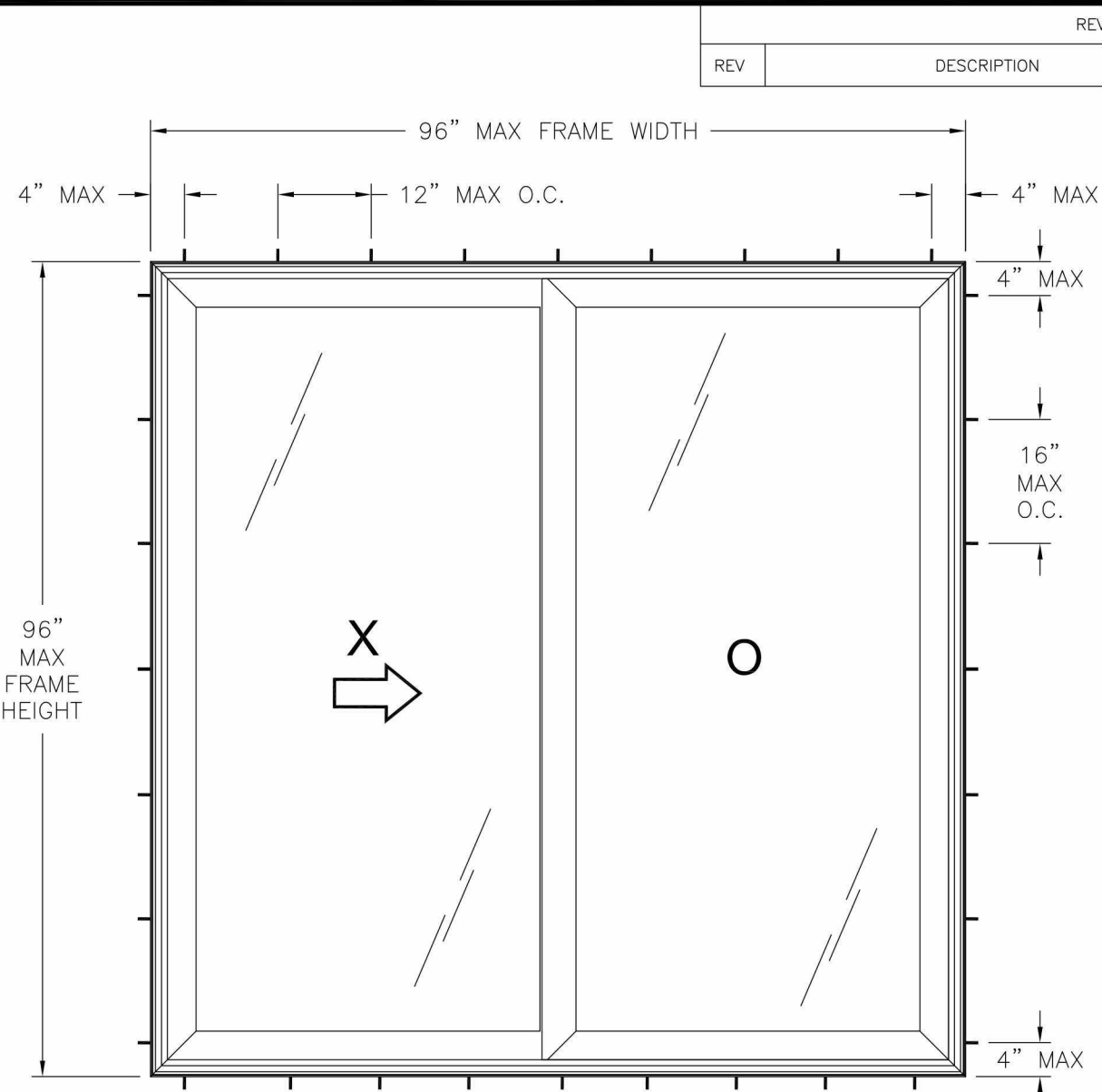
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| VIWINCO, INC.<br>MORGANTOWN BUSINESS PARK, P.O. BOX 499<br>MORGANTOWN, PA 19543 |                     |                 |
| S-SERIES PATIO DOOR XO<br>96" X 96" REINFORCED NON-IMPACT<br>NOTES              |                     |                 |
| DRAWN:<br>V.L.                                                                  | DWG NO.<br>08-02597 | REV<br>—        |
| SCALE<br>NTS                                                                    | DATE<br>02/04/15    | SHEET<br>1 OF 6 |





**S-SERIES PATIO DOOR XO**  
EXTERIOR VIEW  
FIN INSTALLATION

| DESIGN PRESSURE RATING | IMPACT RATING |
|------------------------|---------------|
| ±50.0PSF               | NONE          |



**CAMBRIDGE PATIO DOOR XO**  
EXTERIOR VIEW  
FRAME INSTALLATION

| HARDWARE SCHEDULE |                                                                  |
|-------------------|------------------------------------------------------------------|
| A.                | (1) PULL HANDLE AND LOCK ASSEMBLY ON LOCK STILE                  |
| B.                | (2) METAL ROLLER ASSEMBLY ONE AT EACH END OF BOTTOM RAIL         |
| C.                | (2) ALUMINUM L-BRACKET ONE AT EACH END OF FIXED MEETING STILE    |
| D.                | ALUMINUM REINFORCEMENT 10300149 ON ALL FRAME MEMBERS             |
| E.                | ALUMINUM REINFORCEMENT 10300151 ON MEETING STILES                |
| F.                | ALUMINUM REINFORCEMENT 10300150 ON JAMB STILES                   |
| G.                | ALUMINUM REINFORCEMENT 10300152 ON BOTTOM RAIL OF OPERABLE PANEL |

- NOTES:
- (4) 3/16" WEEP HOLE ONE AT EACH END OF BOTTOM RAIL.
  - MAXIMUM PANEL SIZE: 48 1/2" X 92 7/8"
  - MAXIMUM D.L.O.: 40" X 84 3/4"

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MORGANTOWN, PA 19543

S-SERIES PATIO DOOR XO  
96" X 96" REINFORCED NON-IMPACT  
ELEVATIONS

DRAWN:  
V.L.

DWG NO.  
08-02597

REV  
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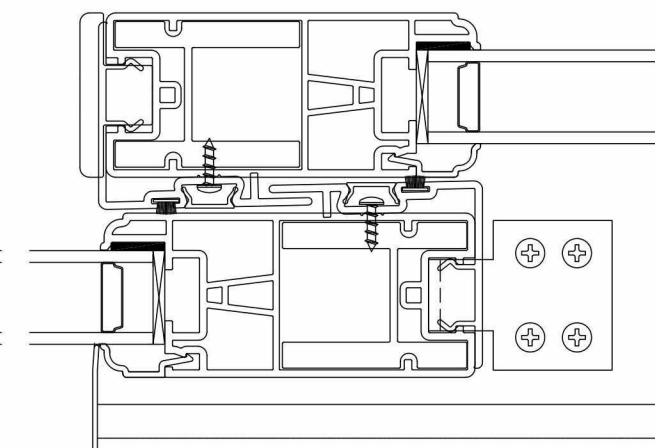
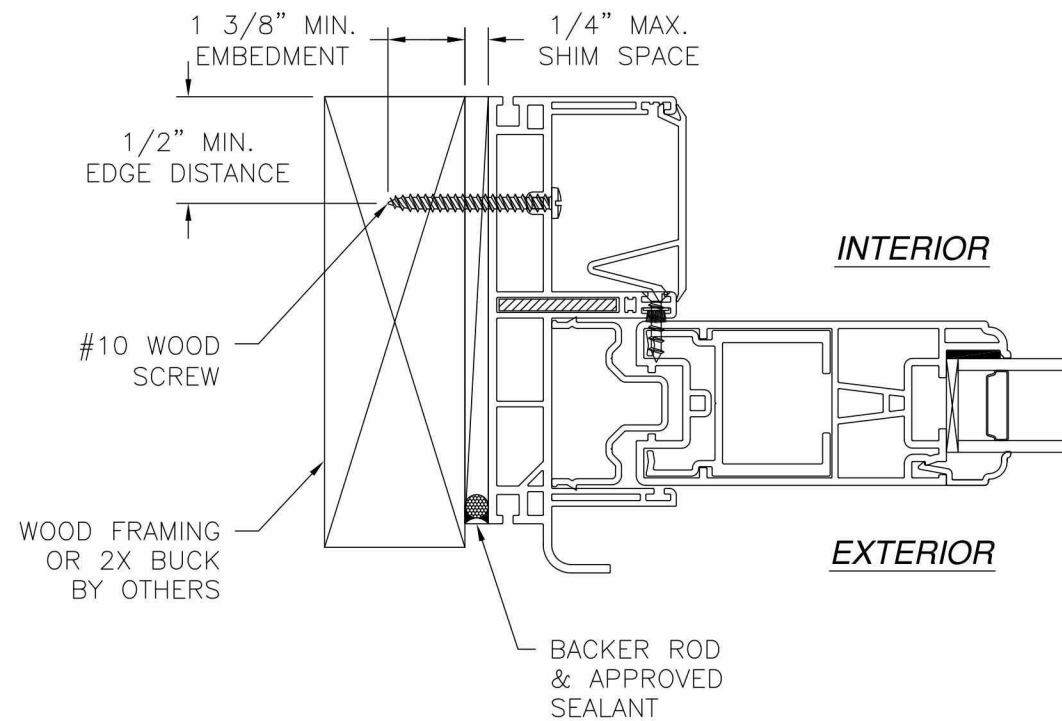
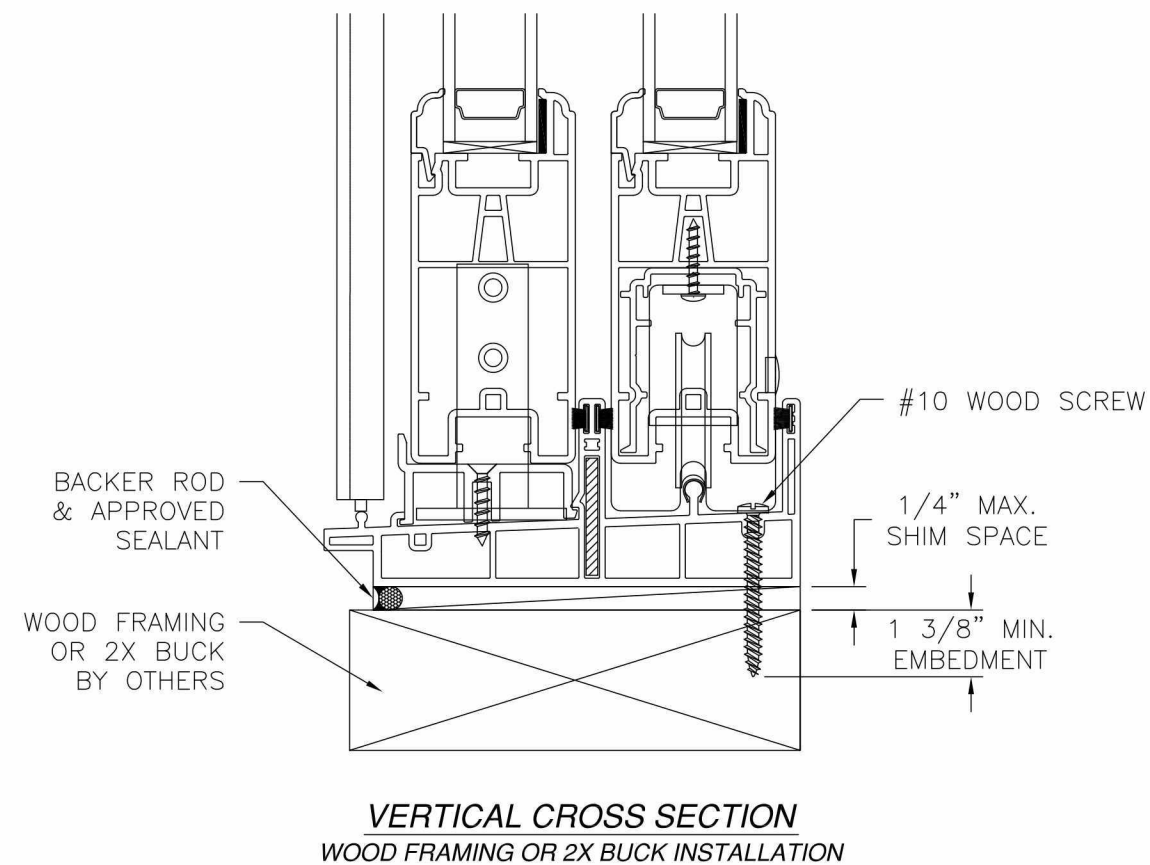
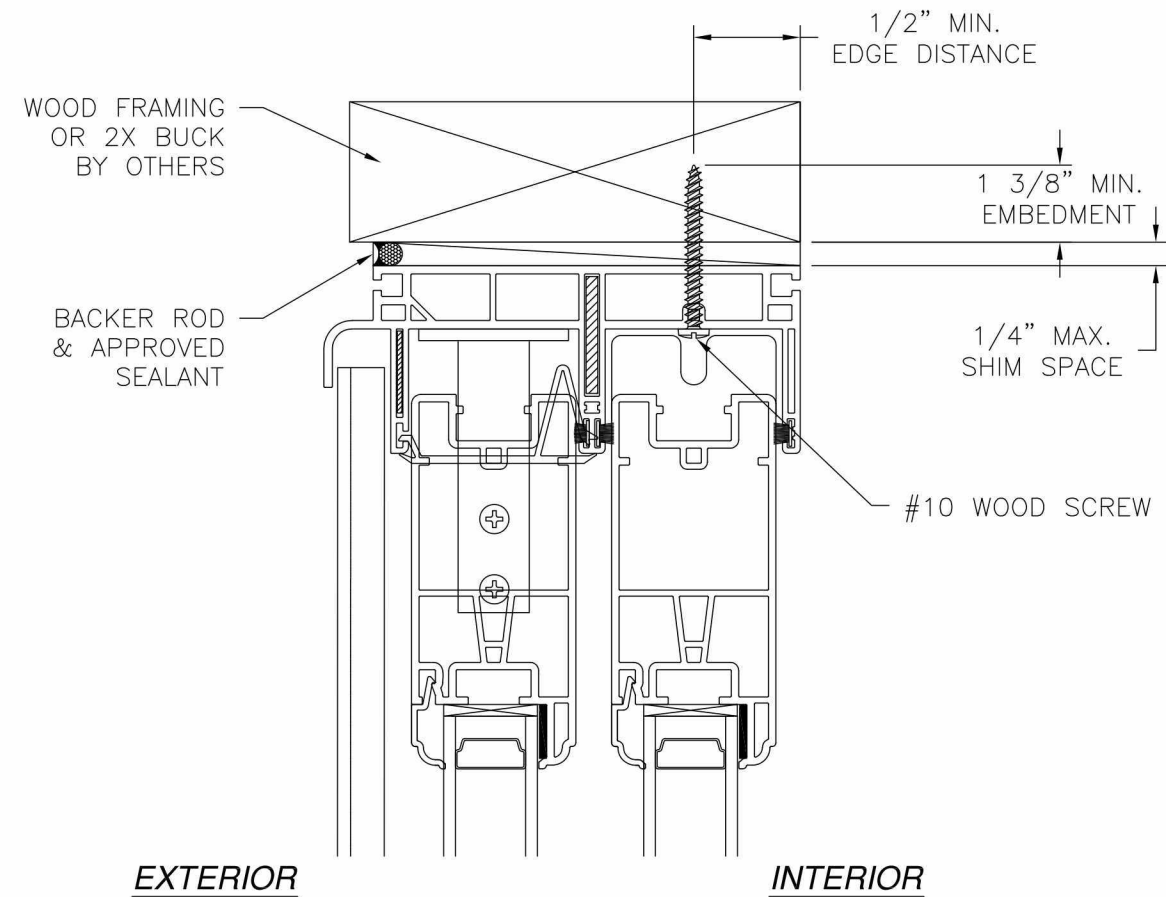
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DATE 02/04/15

SHEET 2 OF 6

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



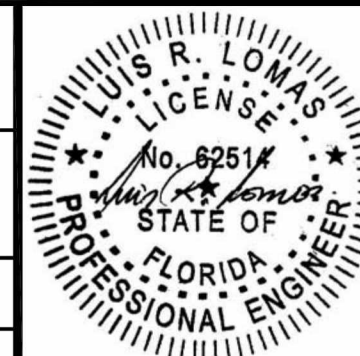
**JAMB INSTALLATION DETAIL**  
WOOD FRAMING OR 2X BUCK INSTALLATION

**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

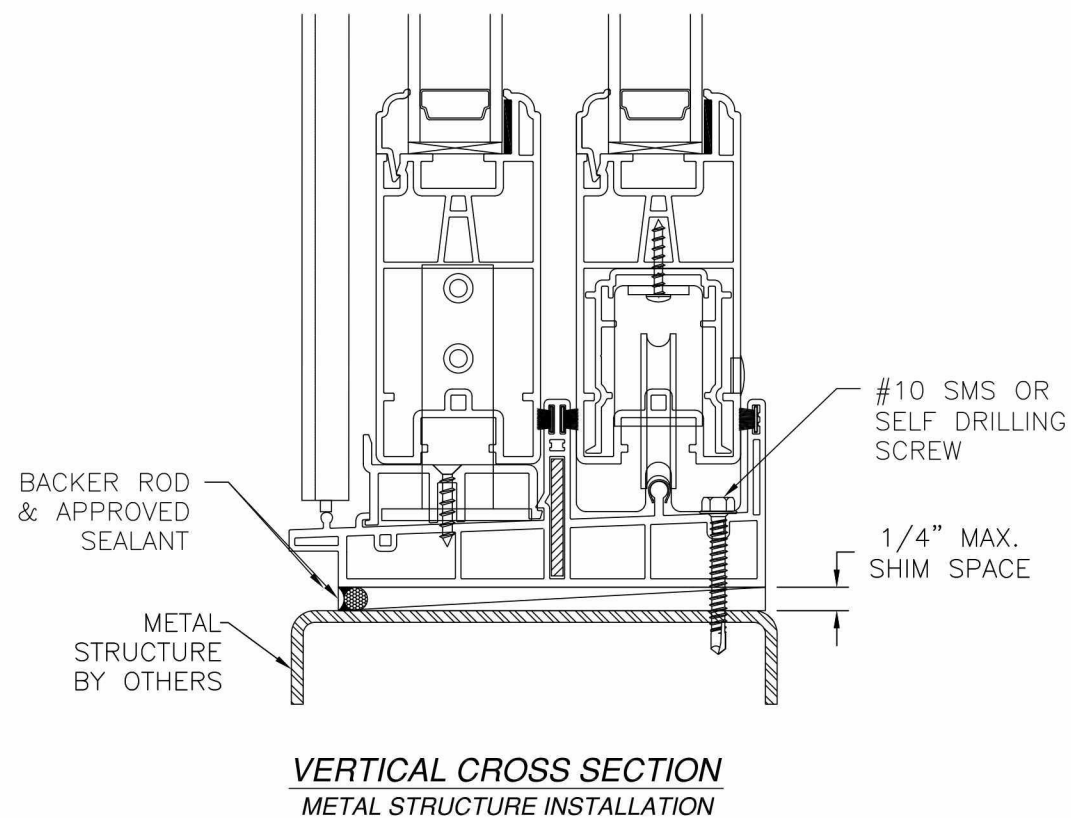
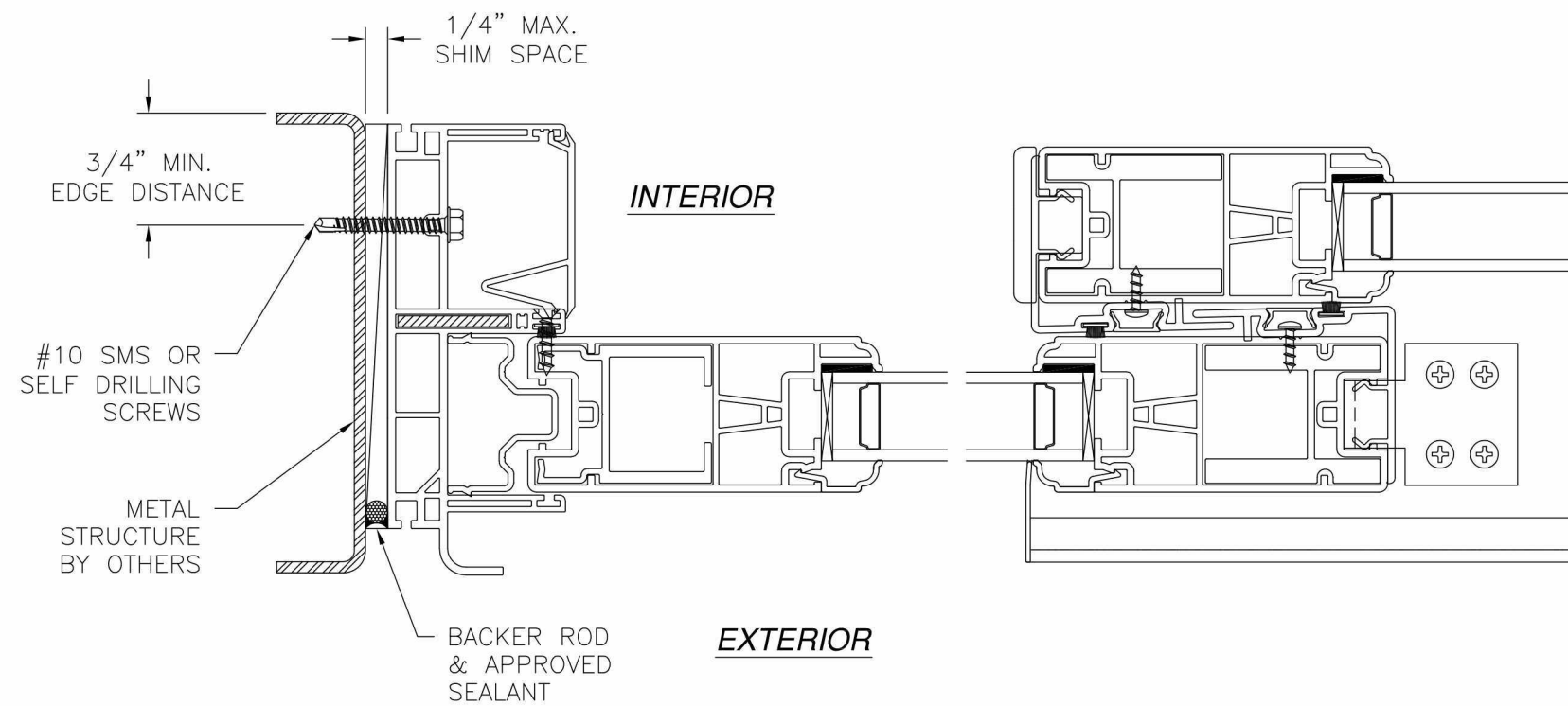
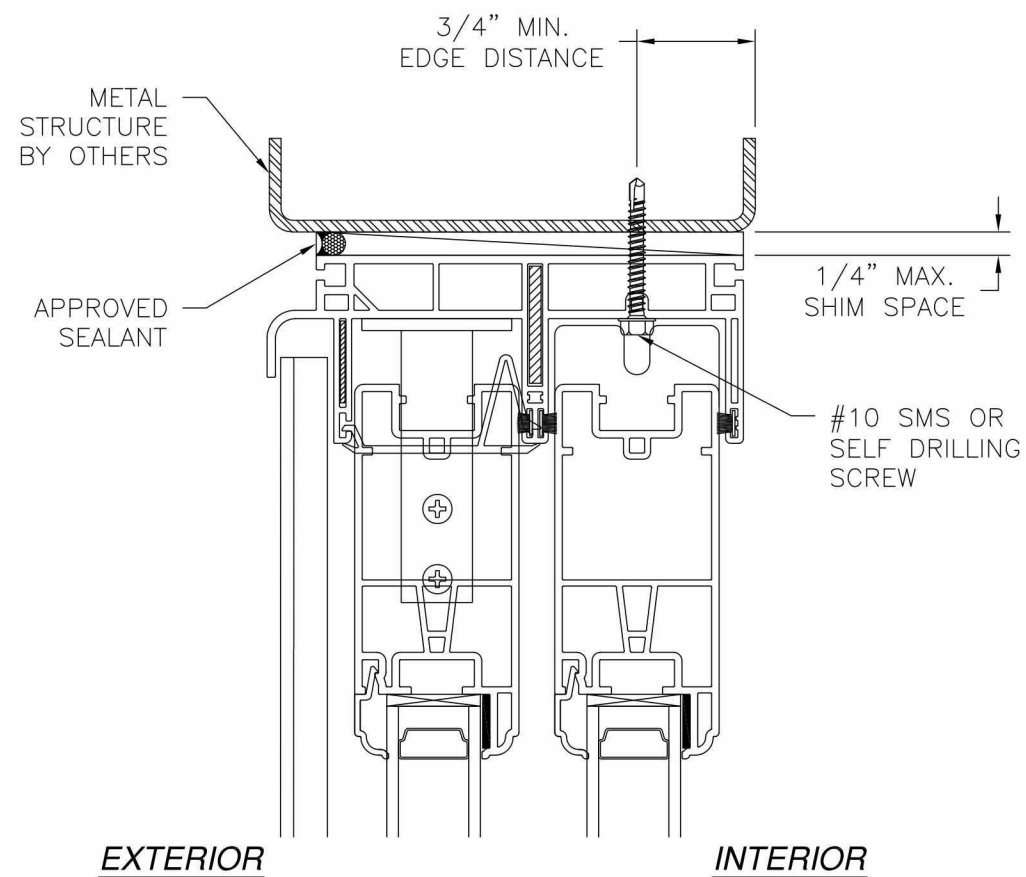
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| S-SERIES PATIO DOOR XO<br>96" X 96" REINFORCED NON-IMPACT<br>FRAME INSTALLATION DETAILS |                     |              |
| DRAWN:<br>V.L.                                                                          | DWG NO.<br>08-02597 | REV<br>-     |
| SCALE NTS                                                                               | DATE 02/04/15       | SHEET 3 OF 6 |



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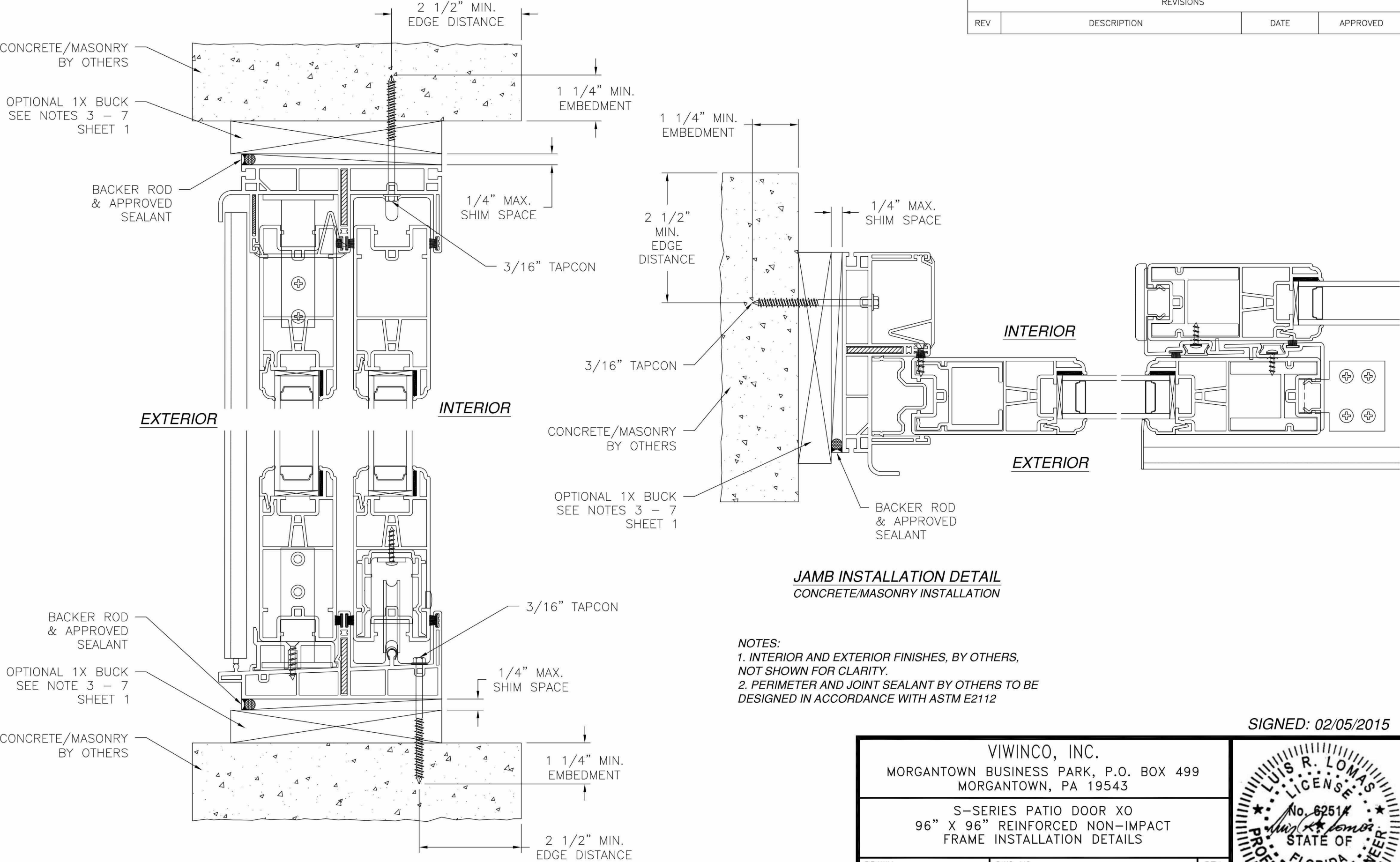


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| <p>SCALE NTS</p>                                                                                 | <p>DATE 02/04/15</p>        | <p>SHEET 4 OF 6</p> |  |

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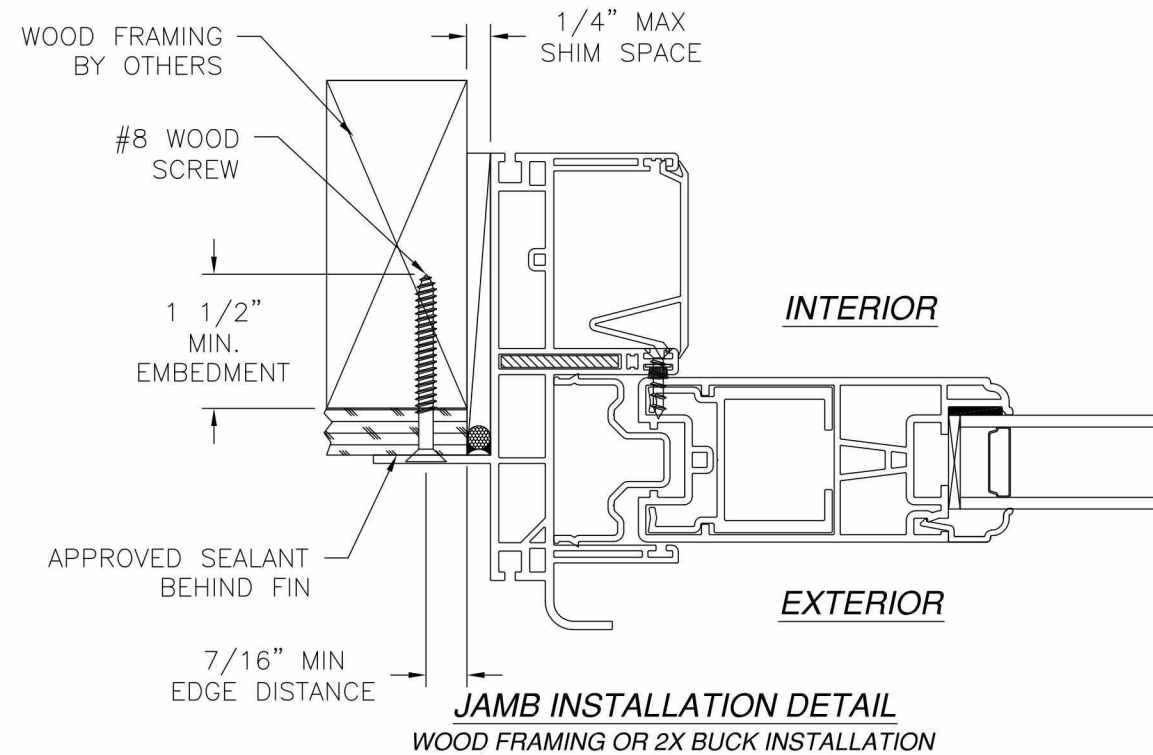
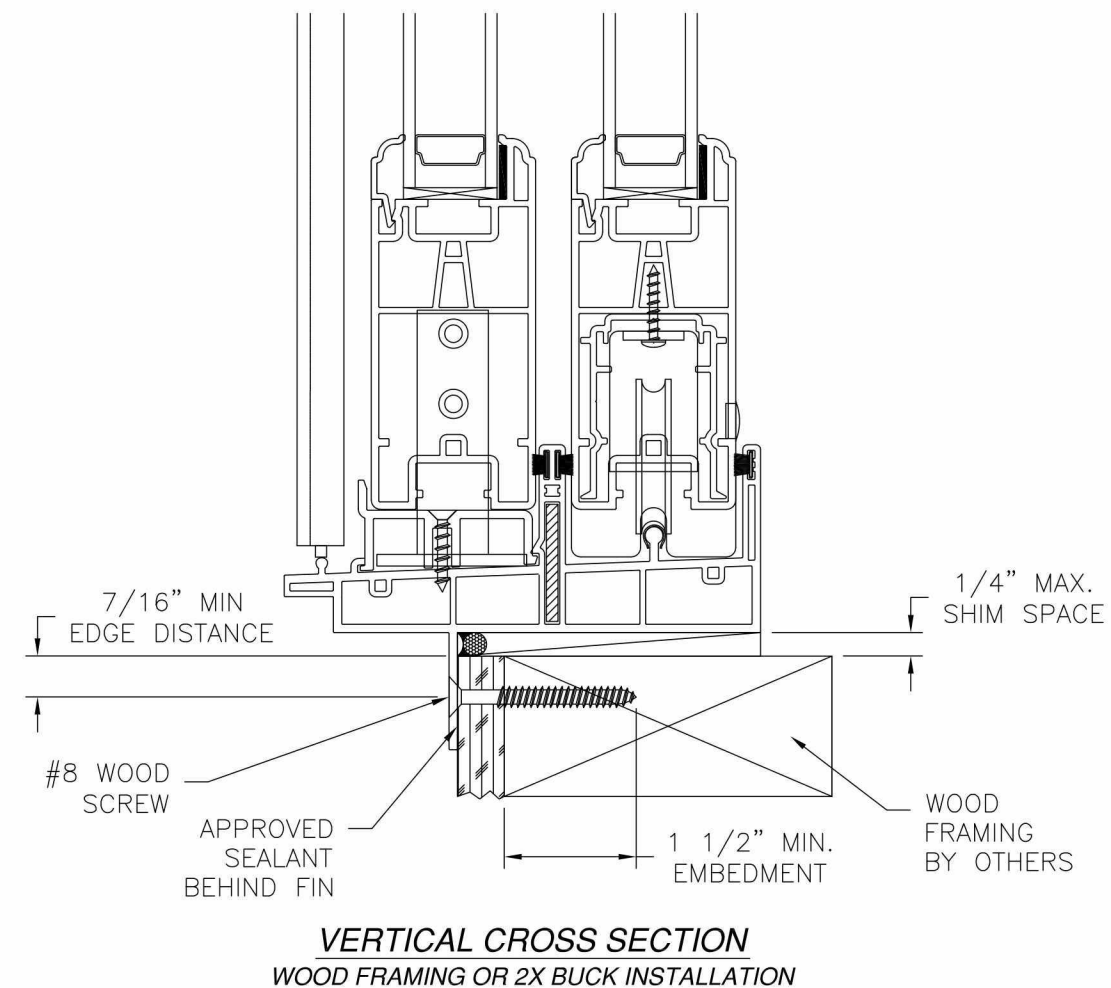
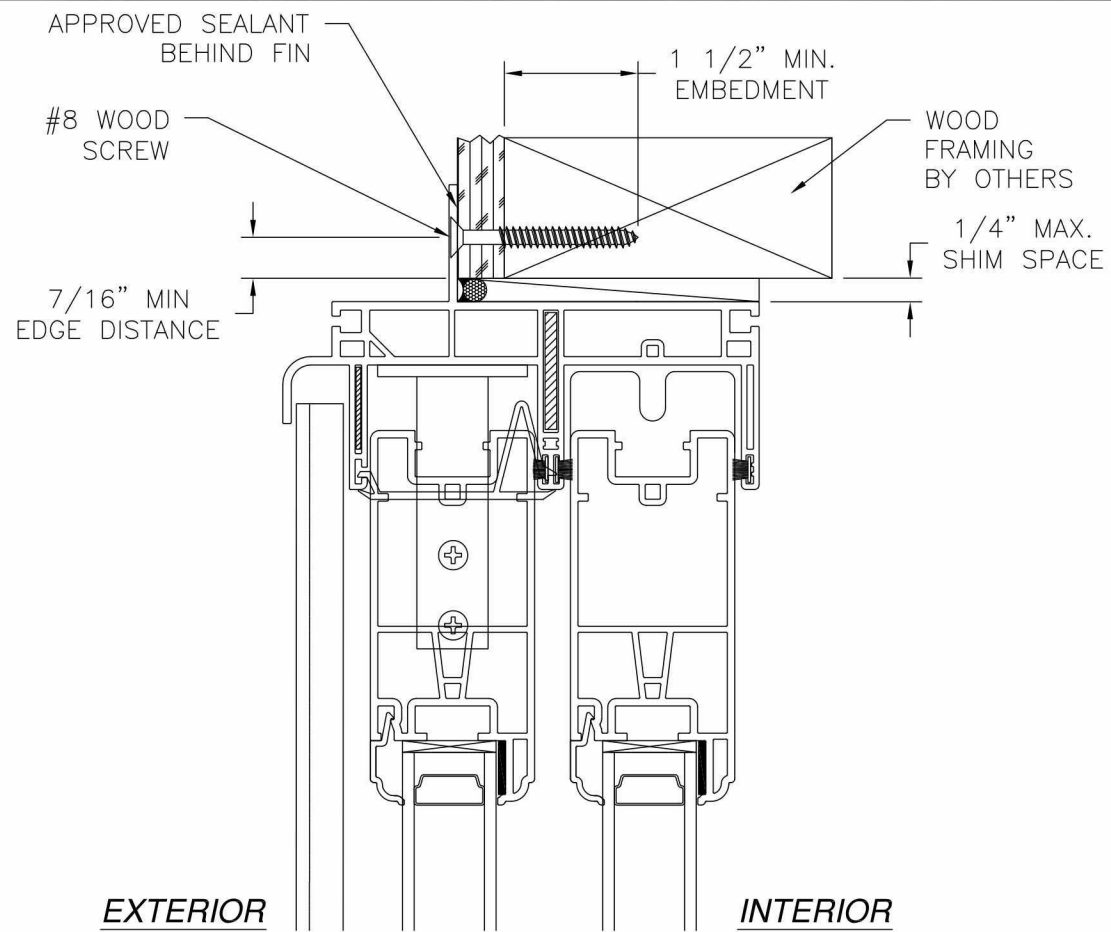


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