

| REVISIONS |                      |            |          |
|-----------|----------------------|------------|----------|
| REV       | DESCRIPTION          | DATE       | APPROVED |
| C         | REVISED PER NEW CODE | 09/18/2023 | R.L.     |

NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE FLORIDA BUILDING CODE.
2. WOOD FRAMING, METAL STRUCTURE 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. 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.
4. 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.
5. 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.
6. BUCKS SHALL EXTEND BEYOND WINDOW INTERIOR FACE SO THAT FULL FRAME SUPPORT IS PROVIDED.
7. SHIM AS NEEDED 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".
8. SHIMS SHALL BE LOCATED, APPLIED AND MADE FROM MATERIALS AND THICKNESS CAPABLE OF SUSTAINING APPLICABLE LOADS.
9. WIND LOAD DURATION FACTOR Cd=1.6 WAS USED FOR WOOD ANCHOR CALCULATIONS.
10. FRAME MATERIAL: EXTRUDED RIGID PVC.
11. UNITS MUST BE GLAZED PER ASTM E1300.
12. APPROVED IMPACT PROTECTIVE SYSTEM IS REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.

13. 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.
14. 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.
15. FOR ANCHORING THROUGH FRAME 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.
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' MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
17. FOR ANCHORING THROUGH FRAME 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.
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:
  - 19.1. WOOD – MINIMUM SPECIFIC GRAVITY OF G=0.42
  - 19.2. CONCRETE – MINIMUM COMPRESSIVE STRENGTH OF 3,192 PSI.
  - 19.3. MASONRY – STRENGTH CONFORMANCE TO ASTM C-90, GRADE N, TYPE 1 (OR GREATER).
  - 19.4. METAL STRUCTURE: STEEL 18GA, 33KSI OR ALUMINUM 6063-T5 1/8" THICK MINIMUM
20. APPROVED CONFIGURATIONS: OX, XO.

| TABLE OF CONTENTS |                          |
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| SHEET NO.         | DESCRIPTION              |
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| 2                 | ELEVATIONS AND ANCHORING |
| 3 – 7             | INSTALLATION DETAILS     |

MAGNOLIA WINDOW & DOOR  
1000 PYRATICH DR.  
BALDWIN, GA. 30511

400 VINYL HORIZONTAL SLIDER WINDOW  
NON-IMPACT 63" X 44"  
NOTES

DRAWN:  
J.L.

DWG NO.  
08-02096

REV  
C

SCALE NTS

DATE 06/27/13

SHEET 1 OF 7

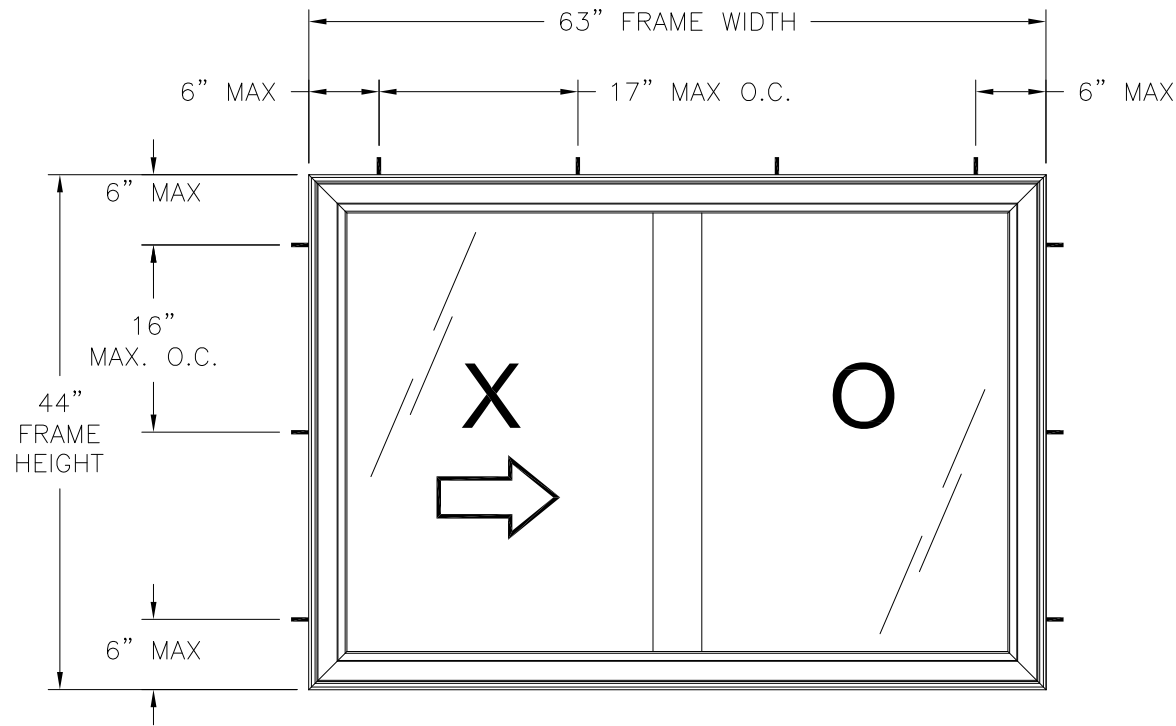
L. ROBERTO LOMAS P.E.  
208 7th Ave, INDIALANTIC, FL 32903  
434-688-0609 rllomas@lrlomaspe.com

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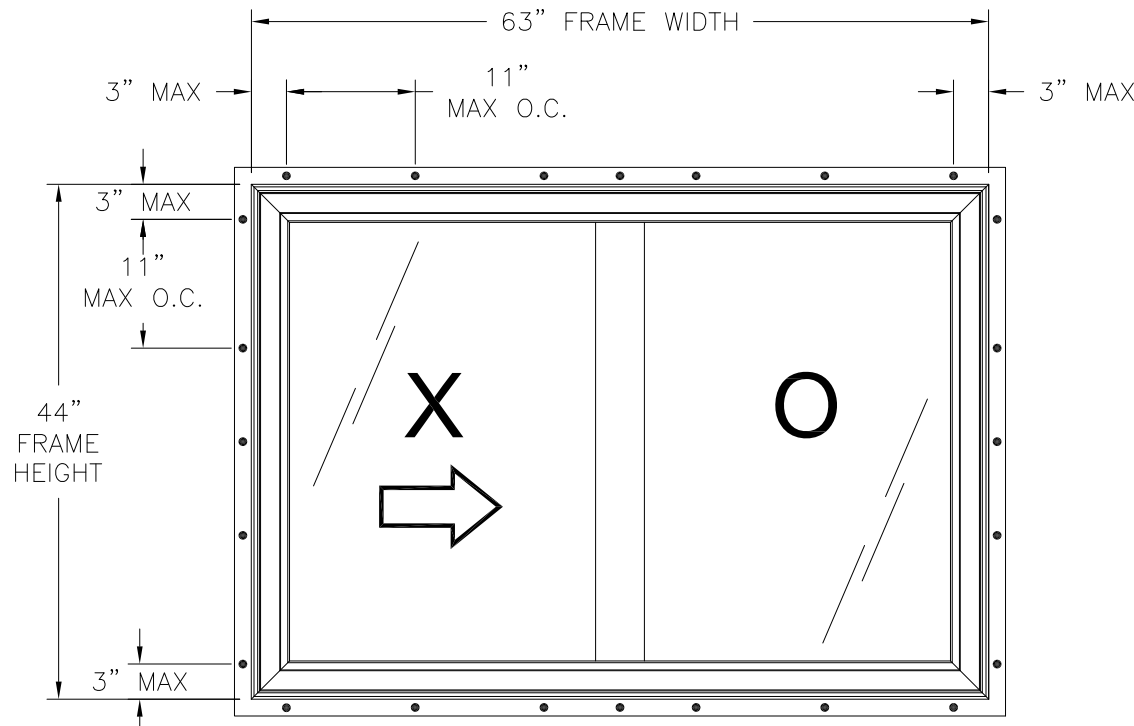


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**400 VINYL HORIZONTAL SLIDER WINDOW**  
EXTERIOR VIEW  
FRAME INSTALLATION



**400 VINYL HORIZONTAL SLIDER WINDOW**  
EXTERIOR VIEW  
FIN INSTALLATION

| DESIGN PRESSURE RATING | IMPACT RATING |
|------------------------|---------------|
| $\pm 30.0$ PSF         | NONE          |

FOR OTHER SIZES SEE CHART #1, SHEET 2

**Chart #1**  
**Maximum Design pressure (psf)**

| Frame Height (in) | Frame Width (in) |      |      |      |      |      |      |      |      |      |      |      |
|-------------------|------------------|------|------|------|------|------|------|------|------|------|------|------|
|                   | 42.0             |      | 48.0 |      | 54.0 |      | 60.0 |      | 63.0 |      | 66.0 |      |
|                   | Pos              | Neg  | Pos  | Neg  | Pos  | Neg  | Pos  | Neg  | Pos  | Neg  | Pos  | Neg  |
| 24.0              | 30.0             | 45.0 | 30.0 | 45.0 | 30.0 | 45.0 | 30.0 | 45.0 | 30.0 | 45.0 | 30.0 | 45.0 |
| 30.0              | 30.0             | 45.0 | 30.0 | 45.0 | 30.0 | 45.0 | 30.0 | 45.0 | 30.0 | 45.0 | 30.0 | 45.0 |
| 36.0              | 30.0             | 45.0 | 30.0 | 45.0 | 30.0 | 43.9 | 30.0 | 42.4 | 30.0 | 41.9 | 30.0 | 41.5 |
| 42.0              | 30.0             | 40.4 | 30.0 | 37.1 | 30.0 | 34.7 | 30.0 | 33.0 | 30.0 | 32.3 | 30.0 | 31.7 |
| 44.0              | 30.0             | 37.9 | 30.0 | 34.8 | 30.0 | 32.4 | 30.0 | 30.7 | 30.0 | 30.0 | -    | -    |
| 48.0              | 30.0             | 30.2 | 27.1 | 27.1 | 24.7 | 24.7 | -    | -    | -    | -    | -    | -    |
| 54.0              | 20.9             | 20.9 | 18.6 | 18.6 | -    | -    | -    | -    | -    | -    | -    | -    |
| 60.0              | 15.0             | 15.0 | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    |

- NOTES:
- SASH SIZE: 30 1/2" X 41 3/8"
  - D.L.O.: 29" X 39 3/8"
  - (2) 1/4" X 1/8" WEEP SLOT 2" FROM ENDS AT EXTERIOR SILL FACE.
  - (2) 3/8" X 3/16" WEEP SLOT 3" FROM ENDS AT SASH BOTTOM RAIL.
  - (2) 3/8" X 3/16" WEEP SLOT 3" FROM ENDS OF GLAZING POCKET AT SASH BOTTOM RAIL.
  - (2) 1" X 1/8" WEEP SLOT AT EACH END OF SILL INTERIOR TRACK.

| HARDWARE SCHEDULE |                                                                        |
|-------------------|------------------------------------------------------------------------|
| A.                | (2) ROLLER ASSEMBLY BOTTOM RAIL OF SASH                                |
| B.                | (2) LOCK & KEEPER 6 5/8" FROM EACH END OF MEETING STILE                |
| C.                | ALUMINUM REINFORCEMENT (058288) IN INTERIOR MEETING STILE & PULL STILE |
| D.                | ALUMINUM REINFORCEMENT (058287) IN EXTERIOR MEETING STILE              |

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NON-IMPACT 63" X 44"

ELEVATIONS

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SHEET 2 OF 7

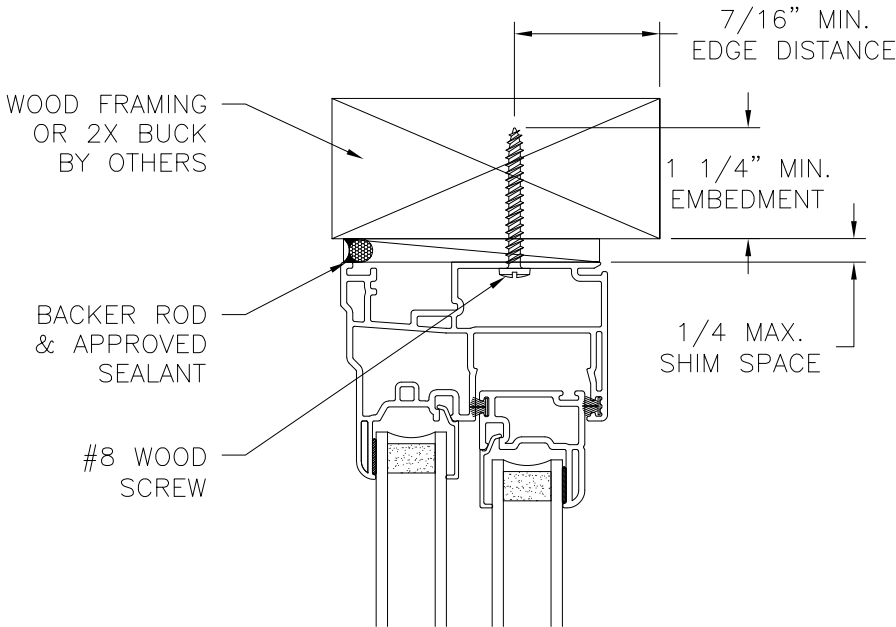
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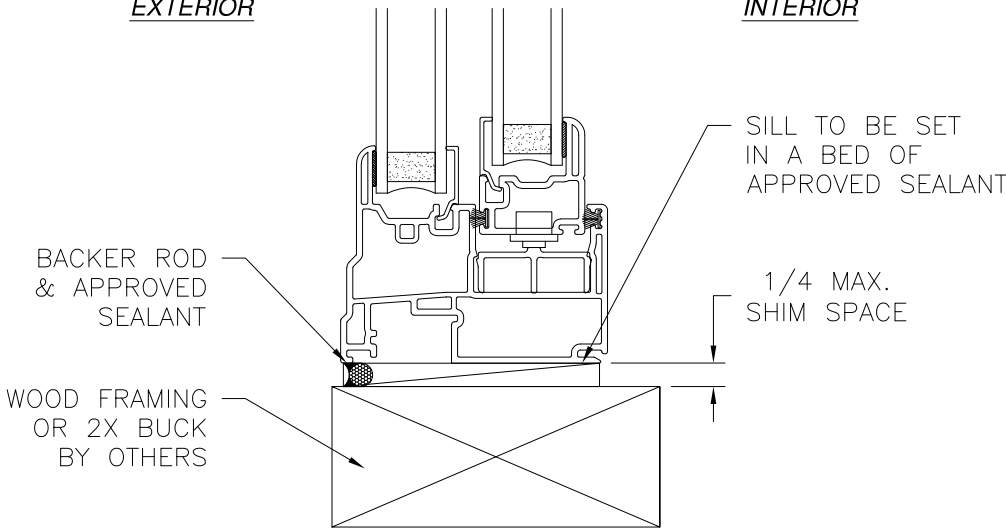
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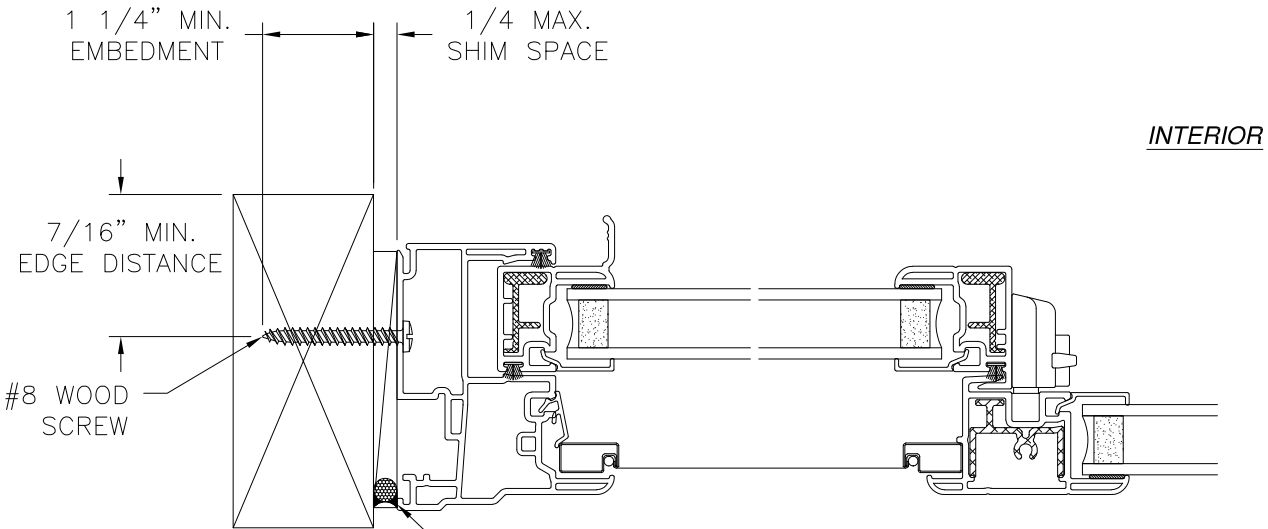
EXTERIOR

INTERIOR



**VERTICAL CROSS SECTION**

WOOD FRAMING OR 2X BUCK INSTALLATION



INTERIOR

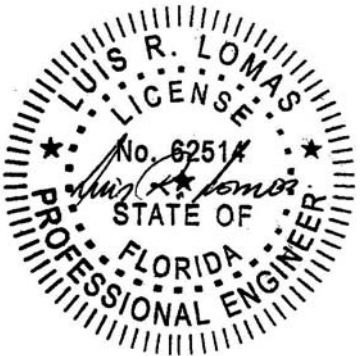
EXTERIOR

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

- NOTES:
- INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
  - PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112
  - SILL ANCHORS MUST BE COMPLETELY SEALED WITH APPROVED SEALANT TO PREVENT WATER INTAKE.

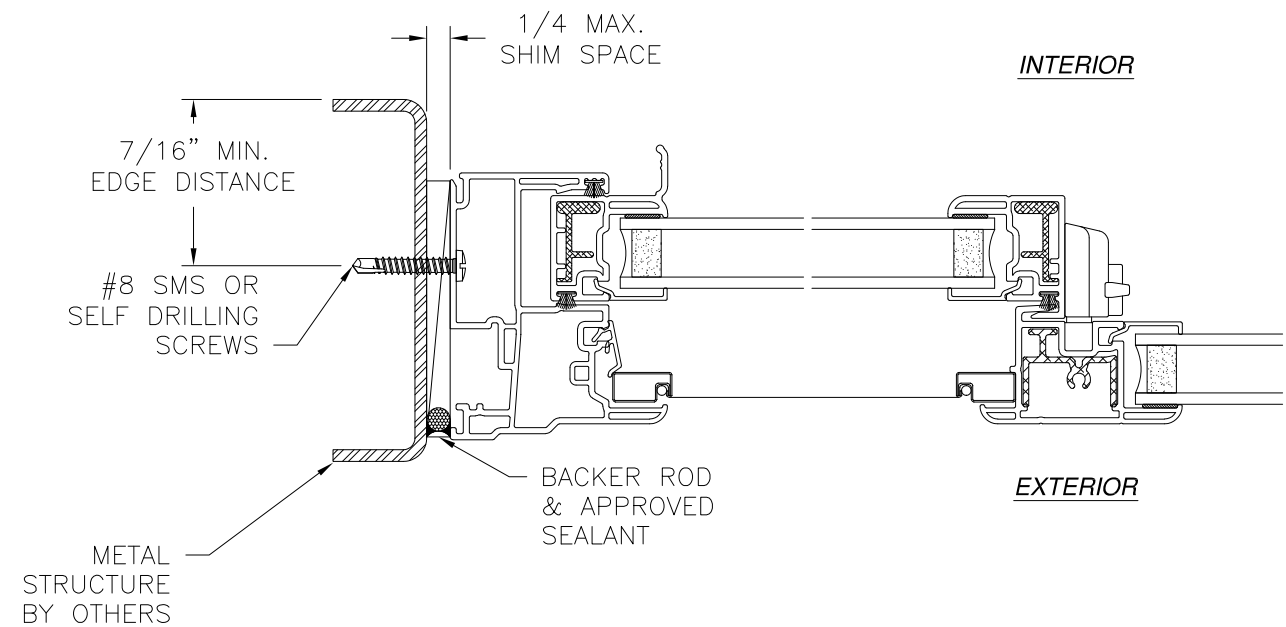
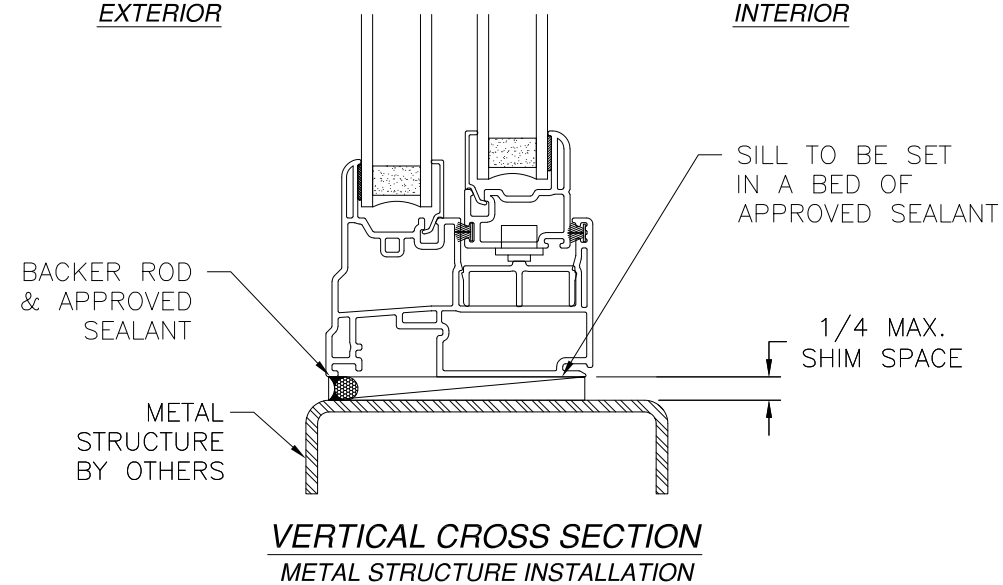
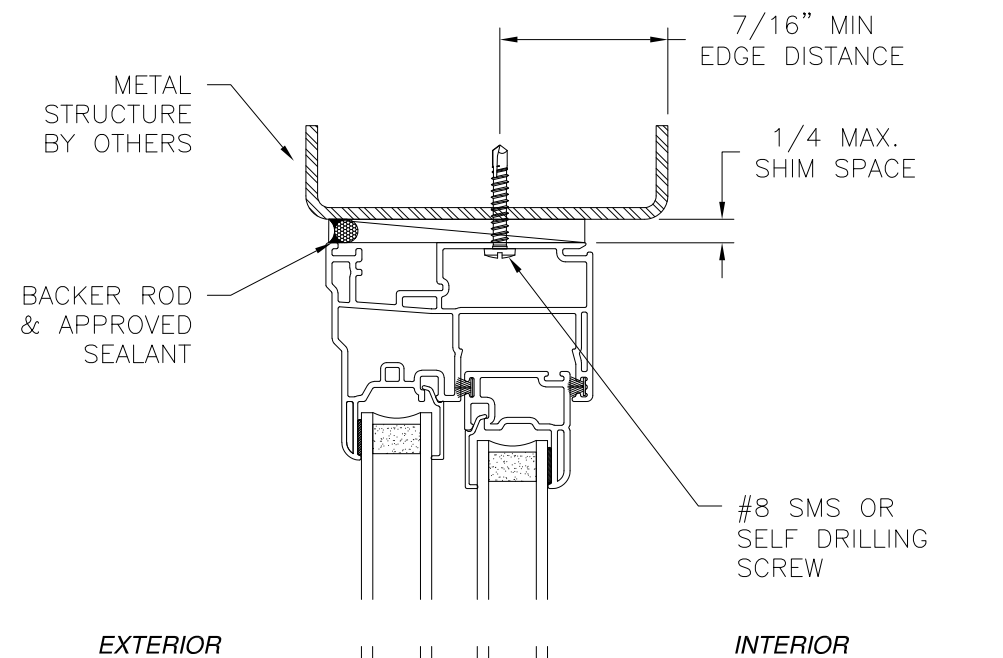
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|---------------------------------------------------------------------------------------------------|---------------------|-----------------|
| MAGNOLIA WINDOW & DOOR<br>1000 PYRATICH DR.<br>BALDWIN, GA. 30511                                 |                     |                 |
| 400 VINYL HORIZONTAL SLIDER WINDOW<br>NON-IMPACT 63" X 44"<br>INSTALLATION DETAILS                |                     |                 |
| DRAWN:<br>J.L.                                                                                    | DWG NO.<br>08-02096 | REV<br>C        |
| SCALE<br>NTS                                                                                      | DATE<br>06/27/13    | SHEET<br>3 OF 7 |
| L. ROBERTO LOMAS P.E.<br>208 7th Ave, INDIALANTIC, FL 32903<br>434-688-0609 rllomas@lrlomaspe.com |                     |                 |

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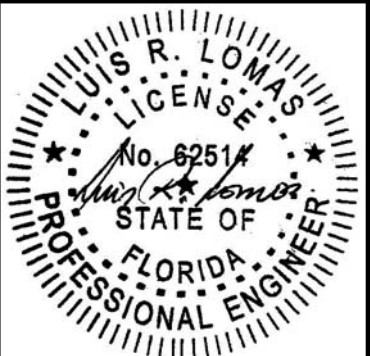


**JAMB INSTALLATION DETAIL**  
**METAL STRUCTURE INSTALLATION**

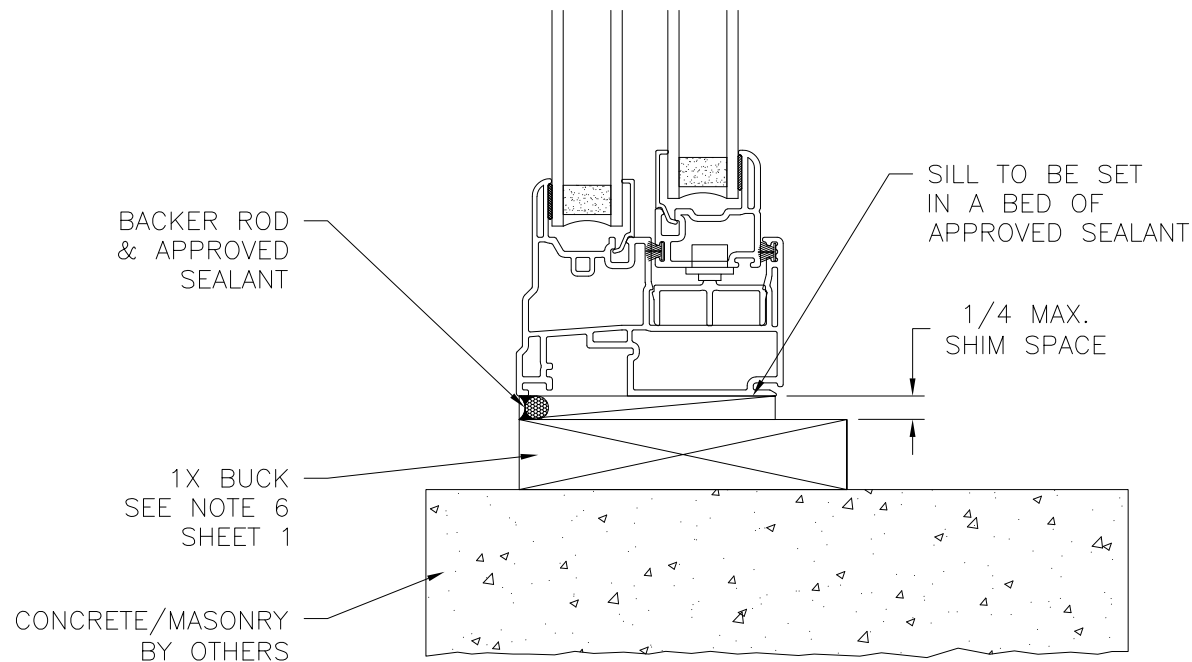
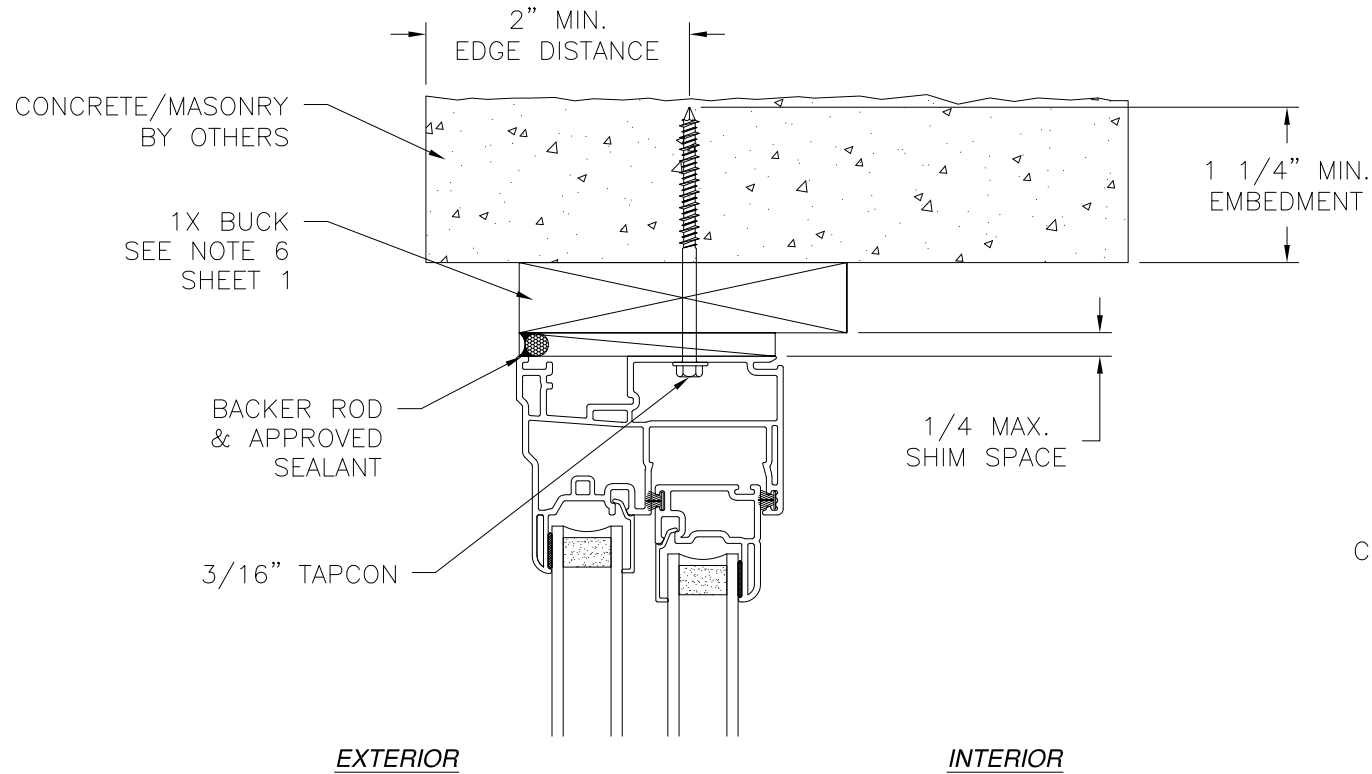
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|                                                                                                   |                     |              |
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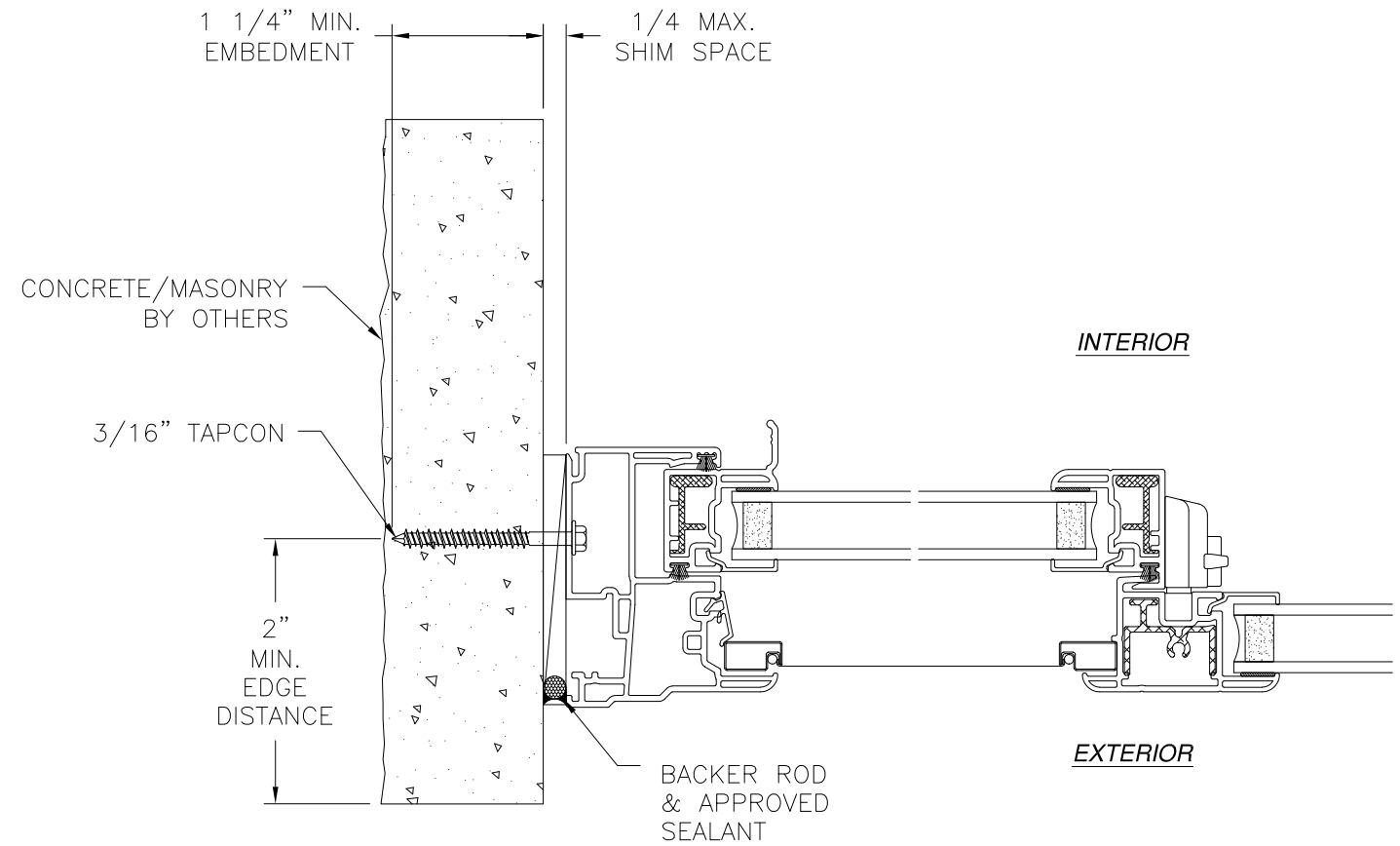
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**VERTICAL CROSS SECTION**  
CONCRETE/MASONRY WITH 1X BUCK INSTALLATION  
FOR CONCRETE/MASONRY WITHOUT 1X BUCK REFER TO  
JAMB INSTALLATION DETAIL

- NOTES:
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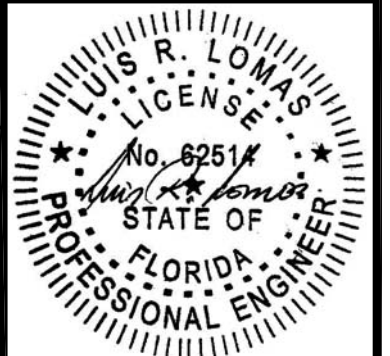
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**JAMB INSTALLATION DETAIL**  
CONCRETE/MASONRY WITHOUT 1X BUCK INSTALLATION  
FOR CONCRETE/MASONRY WITH 1X BUCK REFER TO  
HEAD AND SILL INSTALLATION DETAILS

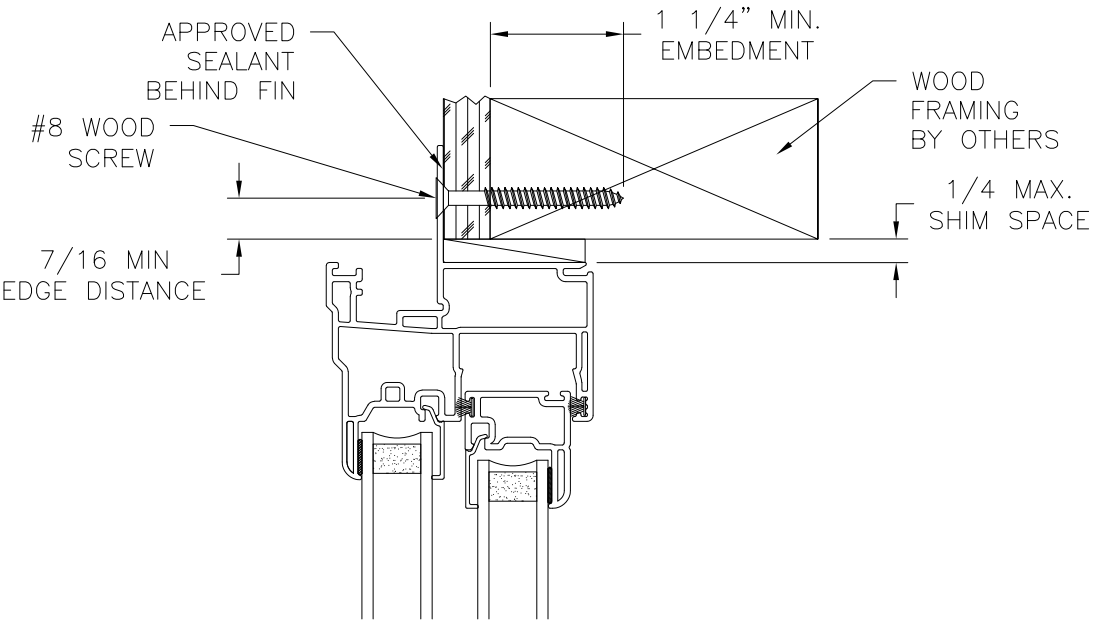
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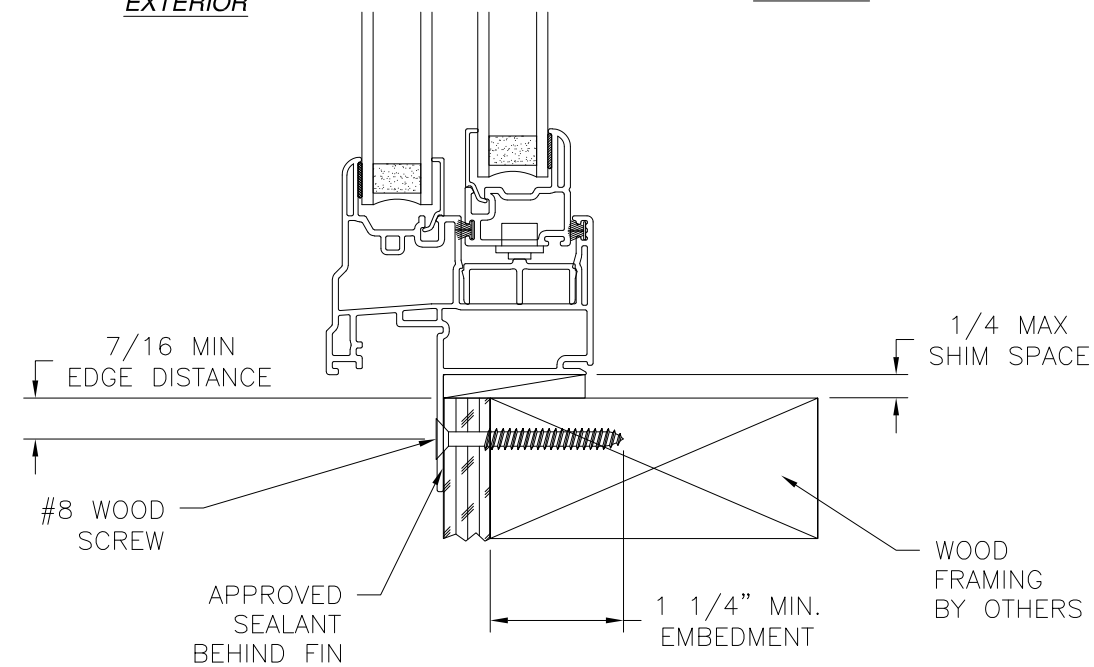
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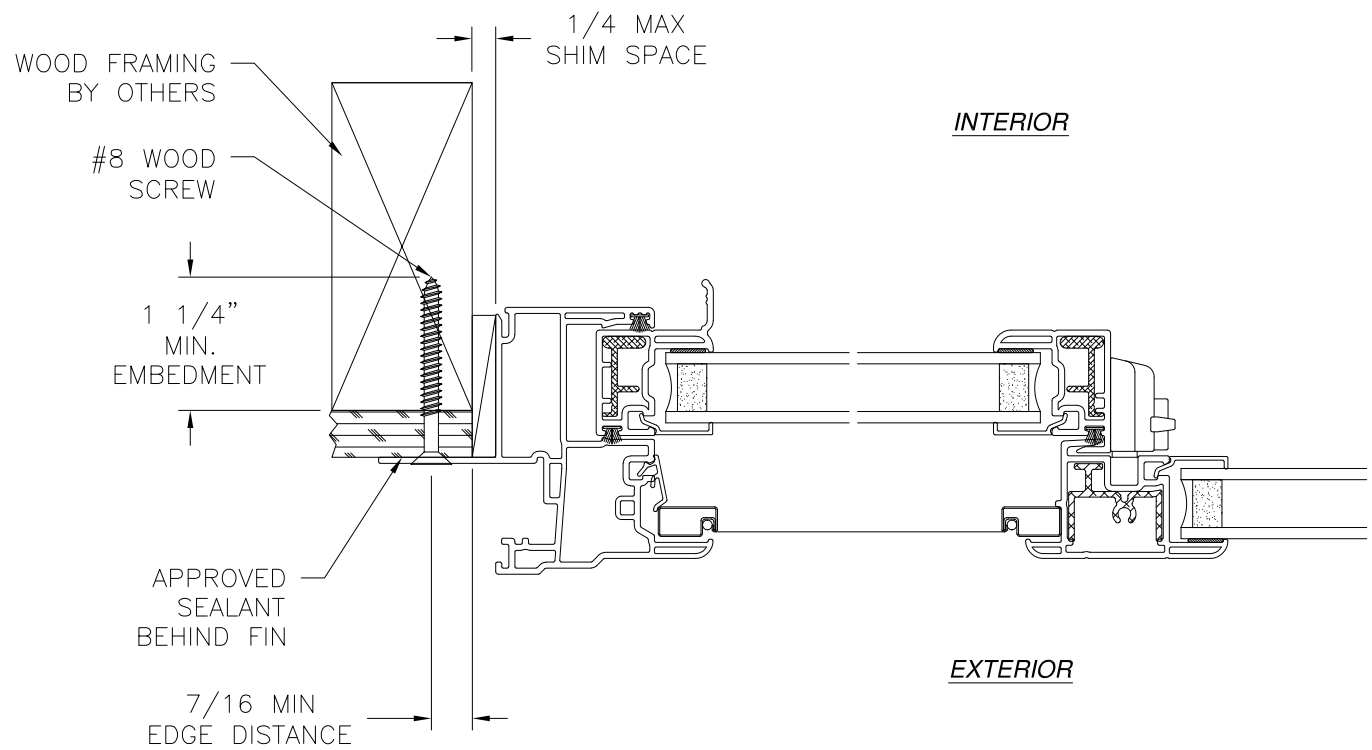


EXTERIOR

INTERIOR



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



INTERIOR

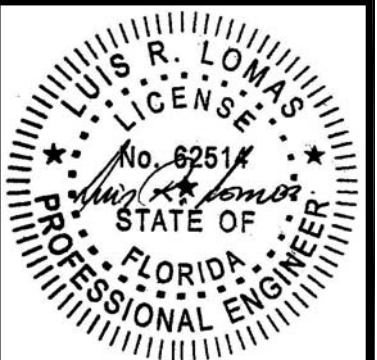
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WOOD FRAMING OR 2X BUCK INSTALLATION

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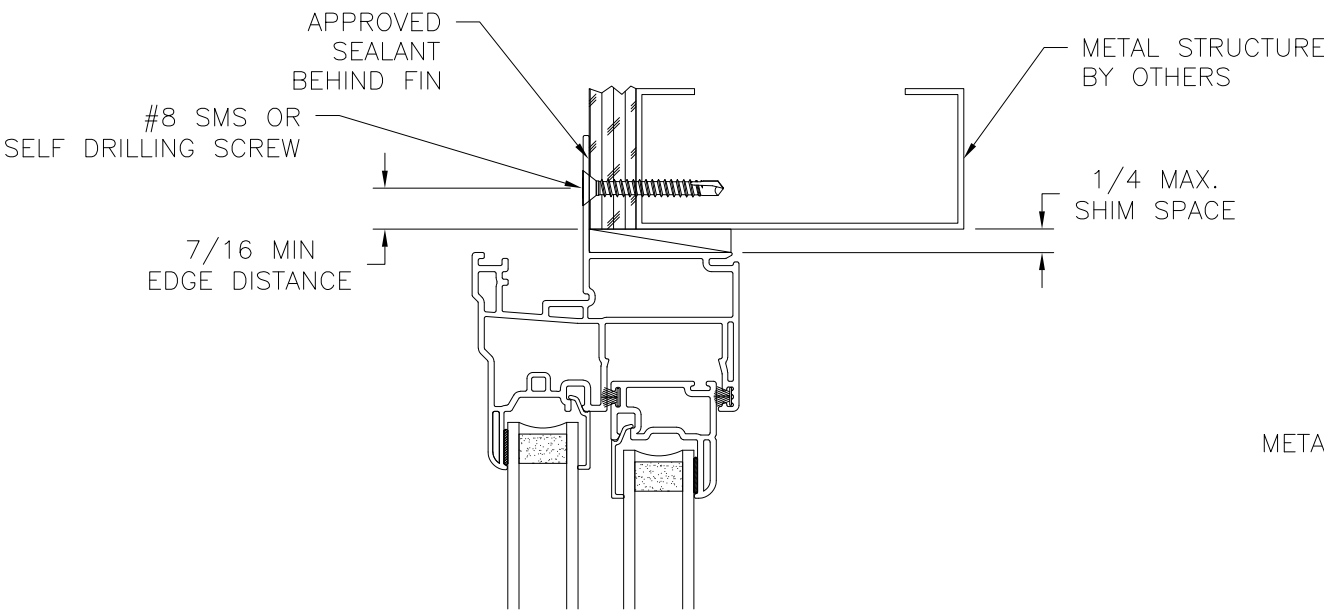
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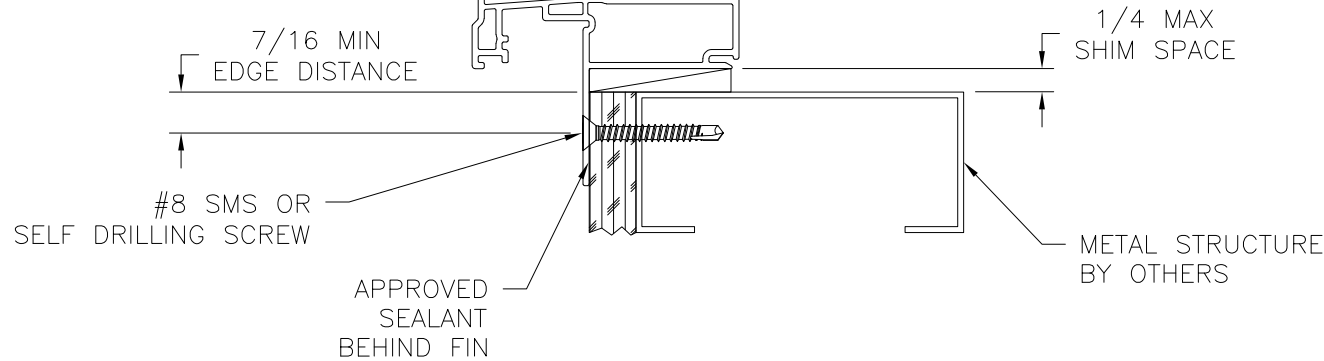
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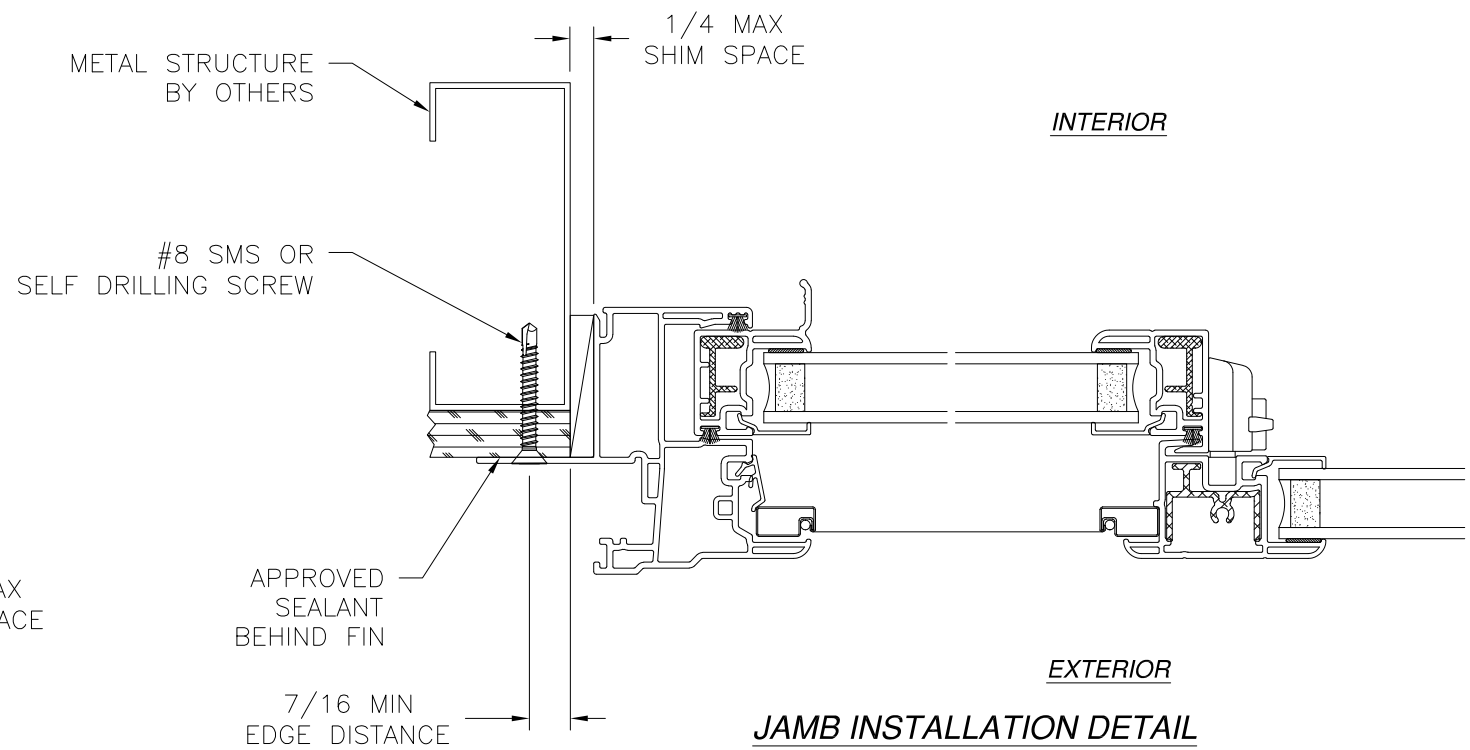


EXTERIOR

INTERIOR



**VERTICAL CROSS SECTION**  
METAL STRUCTURE INSTALLATION



INTERIOR

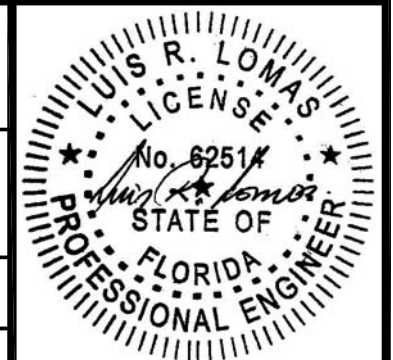
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**JAMB INSTALLATION DETAIL**  
METAL STRUCTURE INSTALLATION

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