

| REVISIONS |               |          |          |
|-----------|---------------|----------|----------|
| REV       | DESCRIPTION   | DATE     | APPROVED |
| A         | REVISED NOTES | 08/06/19 | 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" 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. SHIM AS REQUIRED AT 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 MADE FROM MATERIALS CAPABLE OF SUSTAINING APPLICABLE LOADS, LOCATED AND APPLIED IN A THICKNESS CAPABLE OF SUSTAINING APPLICABLE LOADS.
  10. WIND LOAD DURATION FACTOR Cd=1.6 WAS USED FOR WOOD ANCHOR CALCULATIONS.
  11. FRAME MATERIAL: EXTRUDED PVC.
  12. UNITS MUST BE GLAZED PER ASTM E1300-04/09.
  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 #6 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 #6 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. ALL FASTENERS TO BE CORROSION RESISTANT.
17. 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. METAL STRUCTURE: STEEL 18GA, 33KSI OR ALUMINUM 6063-T5 .048" THICK MINIMUM
19. GEOMETRIC SHAPES ARE ALSO APPROVED. APPROVED GEOMETRIC SHAPES DIMENSIONS SHALL NOT EXCEED INSCRIBED DIMENSIONS OF APPROVED RECTANGULAR ASSEMBLY SHOWN IN SHEET 2.

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| 7                 | COMPONENTS           |

MI WINDOWS & DOORS, LLC  
650 WEST MARKET STREET  
GRATZ, PA 17030-0370

SERIES 3540 PVC SINGLE HUNG WINDOW  
REINFORCED NON-IMPACT 36" x74"  
NOTES

DRAWN:  
A.R.

DWG NO.  
08-03347

REV  
A

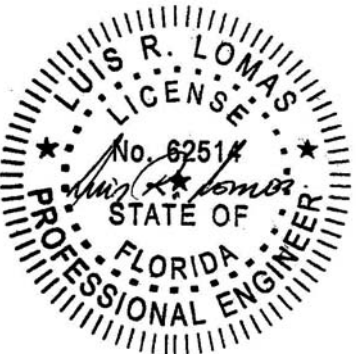
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DATE 11/06/18

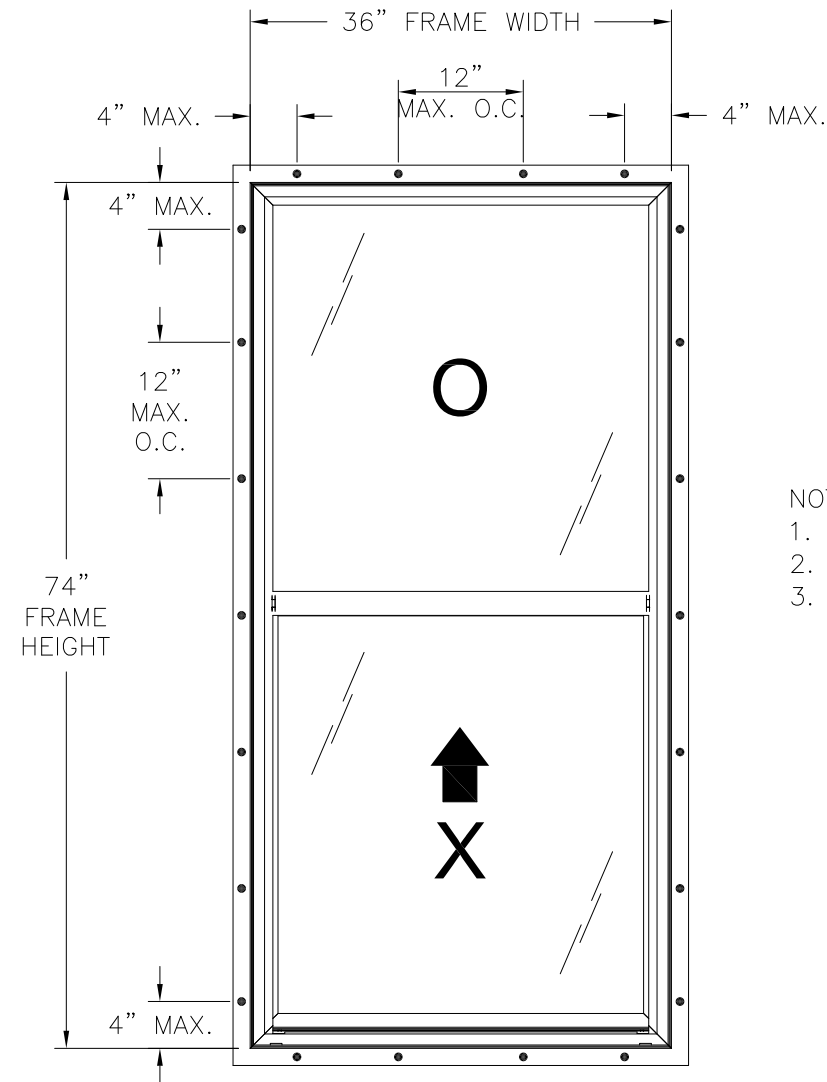
SHEET 1 OF 7

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

SIGNED: 08/06/2019



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



- NOTES:
- 1. SASH SIZE: 33 7/8" X 34 3/16"
  - 2. FIXED SASH D.L.O.: 31 7/8" X 33"
  - 3. OPERABLE SASH D.L.O.: 30 7/8" X 33 5/16"

**SERIES 3540 PVC SINGLE HUNG WINDOW**  
EXTERIOR VIEW

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

FOR AREAS WHERE WATER INFILTRATION  
RESISTANCE IS NOT REQUIRED

| DESIGN PRESSURE RATING | IMPACT RATING |
|------------------------|---------------|
| +35.0/-50.0PSF         | NONE          |

FOR AREAS WHERE WATER INFILTRATION  
RESISTANCE IS REQUIRED

36" X 74" UNIT SHOWN. OTHER SIZES APPROVED AS LONG AS  
FRAME AREA DOES NOT EXCEED 18.5 FT²

| HARDWARE SCHEDULE |                                                                                    |
|-------------------|------------------------------------------------------------------------------------|
| A.                | (2 PER SASH) METAL CAM LOCK WITH KEEPER AT INTERIOR MEETING RAIL, 7" FROM EACH END |
| B.                | (2 PER SASH) PVC SURFACE MOUNT TILT LATCH AT INTERIOR MEETING RAIL ENDS            |
| C.                | (2 PER SASH) COIL BALANCES, ONE IN EACH JAMB                                       |
| D.                | (2 PER SASH) METAL PIVOT BAR AT BOTTOM RAIL ENDS                                   |
| E.                | STEEL REINFORCEMENT (GVL-451-020) AT SASH RAILS AND STILES                         |
| F.                | STEEL REINFORCEMENT (RF-104S-020) AT FIXED MEETING RAIL                            |

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GRATZ, PA 17030-0370

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REINFORCED NON-IMPACT 36" x74"  
ELEVATION

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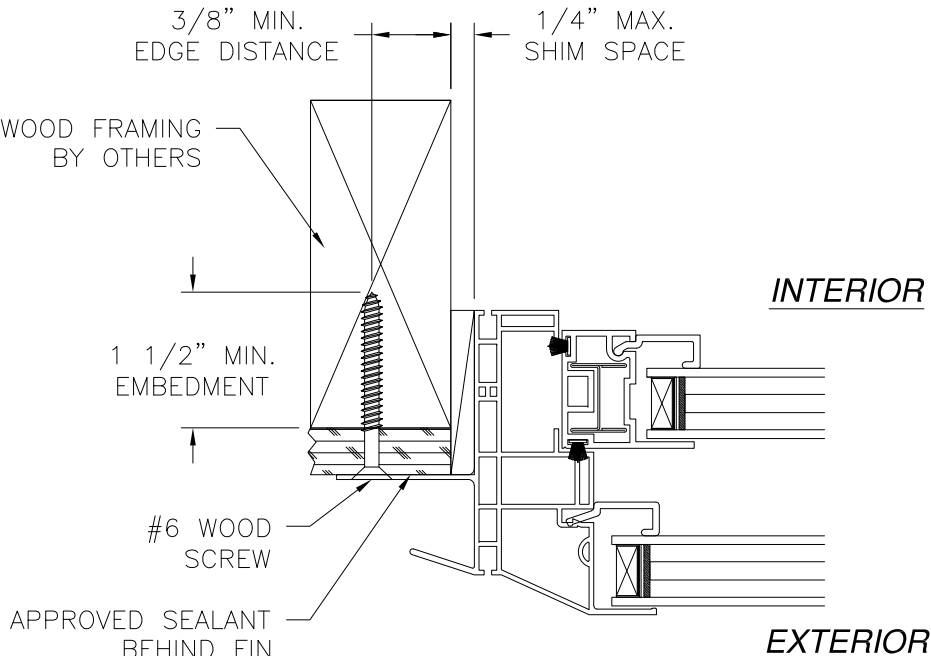
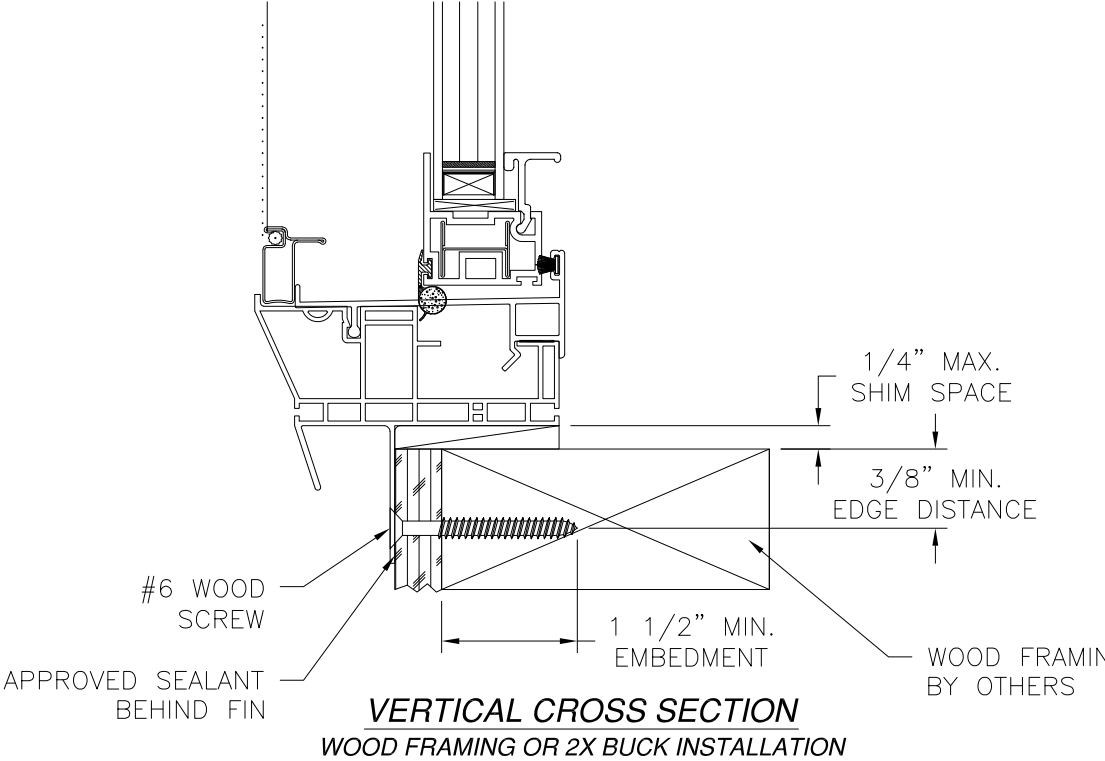
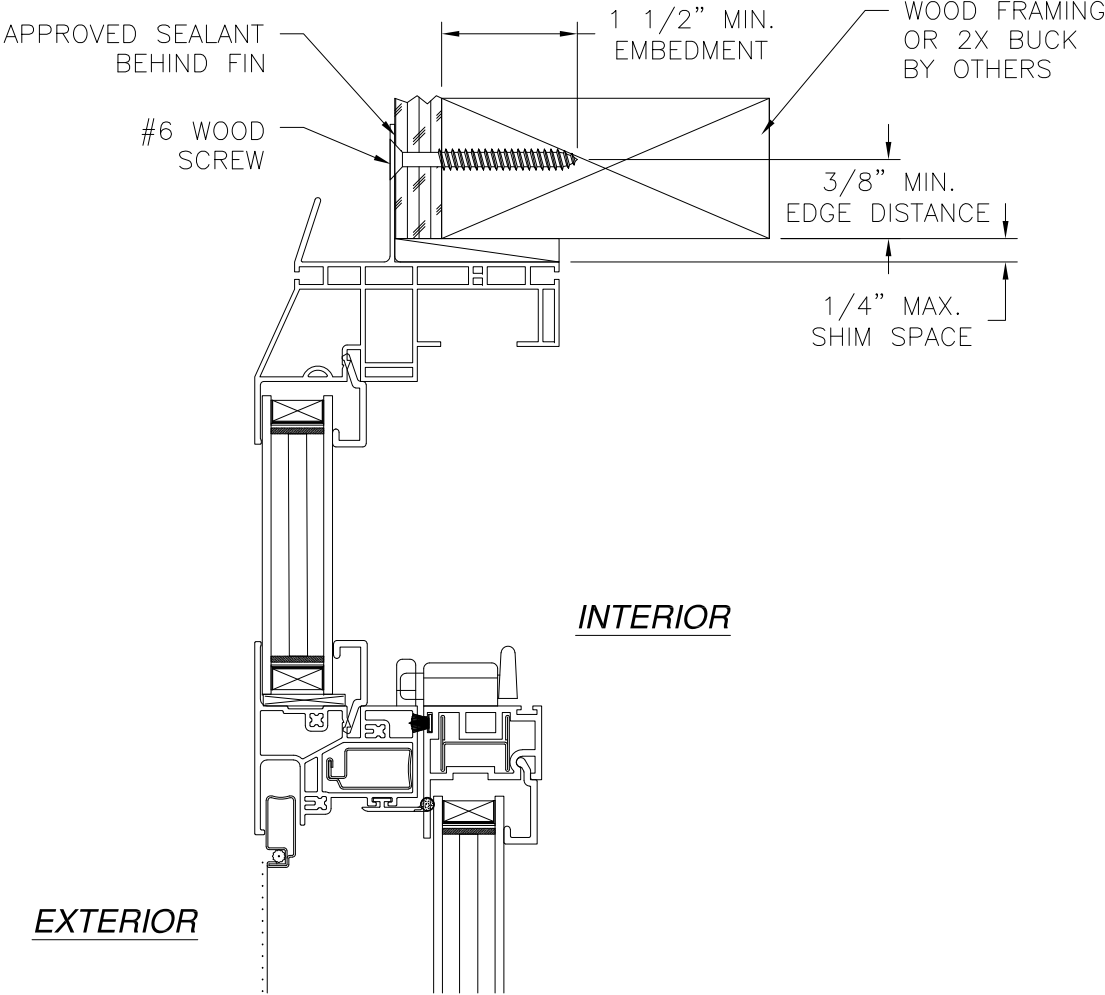
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SHEET 2 OF 7

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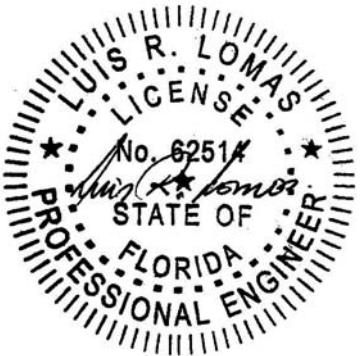


**JAMB INSTALLATION DETAIL**  
WOOD FRAMING OR 2X BUCK INSTALLATION

- 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

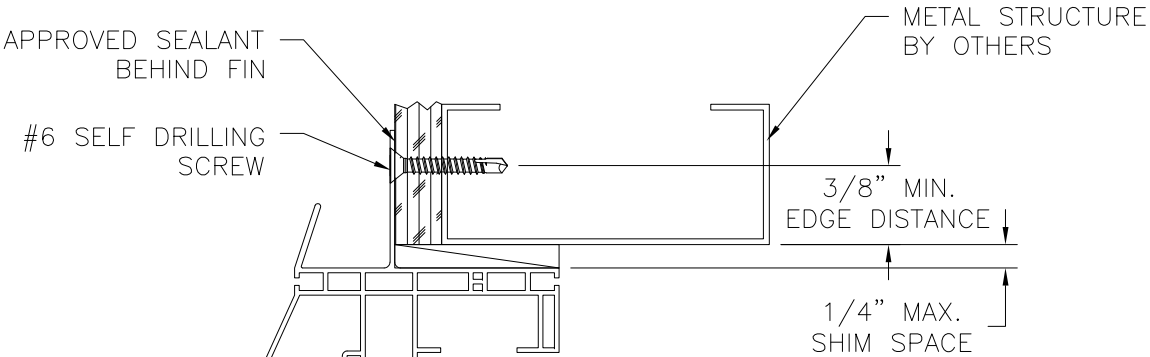
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|                                                                                                               |                     |                 |
|---------------------------------------------------------------------------------------------------------------|---------------------|-----------------|
| MI WINDOWS & DOORS, LLC<br>650 WEST MARKET STREET<br>GRATZ, PA 17030-0370                                     |                     |                 |
| SERIES 3540 PVC SINGLE HUNG WINDOW<br>REINFORCED NON-IMPACT 36" x74"<br>INSTALLATION DETAILS WITH "J" CHANNEL |                     |                 |
| DRAWN:<br>A.R.                                                                                                | DWG NO.<br>08-03347 | REV<br>A        |
| SCALE<br>NTS                                                                                                  | DATE<br>11/06/18    | SHEET<br>3 OF 7 |
| L. ROBERTO LOMAS P.E.<br>1432 WOODFORD RD LEWISVILLE, NC 27023<br>434-688-0609 rllomas@lrlomaspe.com          |                     |                 |



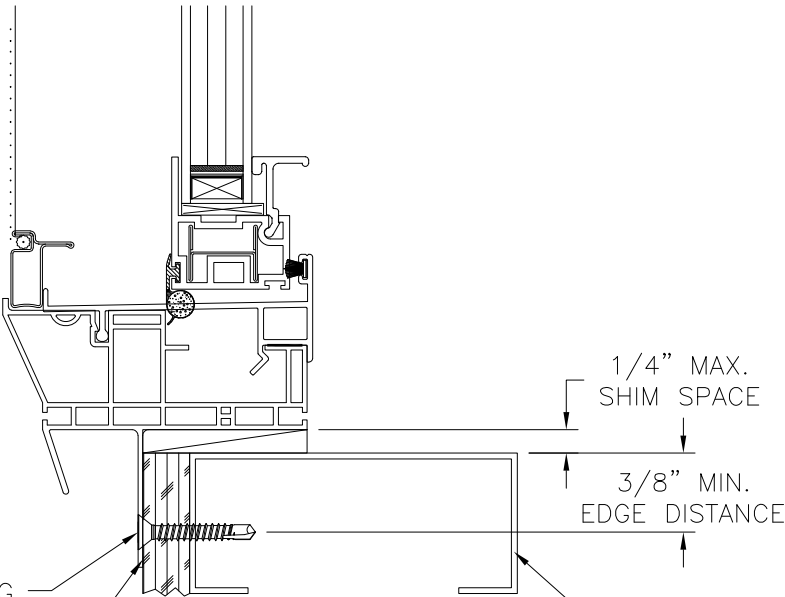
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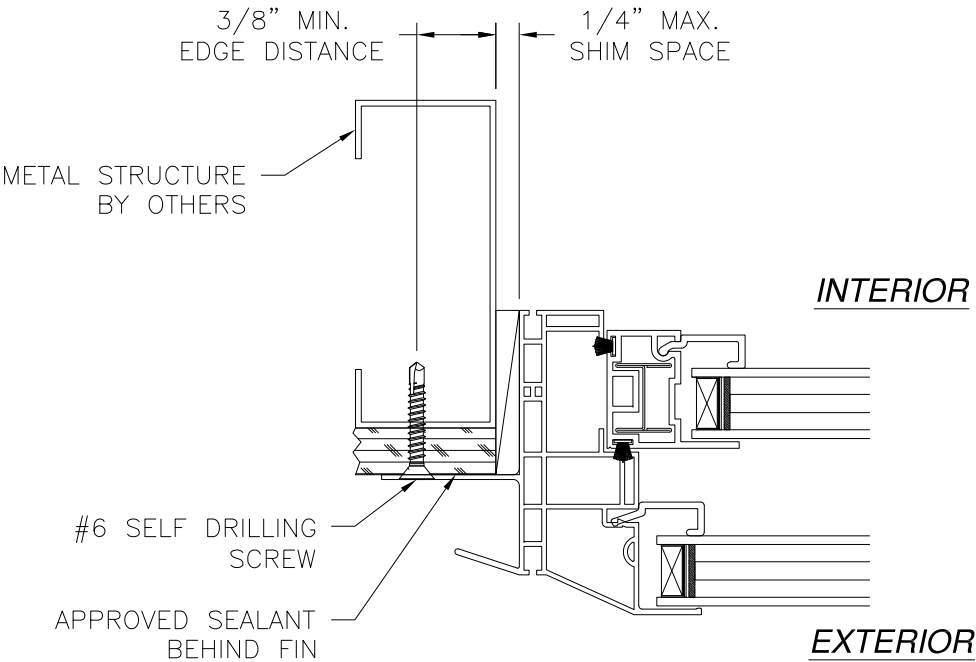


INTERIOR

EXTERIOR



VERTICAL CROSS SECTION  
METAL STRUCTURE INSTALLATION



JAMB INSTALLATION DETAIL  
METAL STRUCTURE INSTALLATION

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INSTALLATION DETAILS WITH "J" CHANNEL

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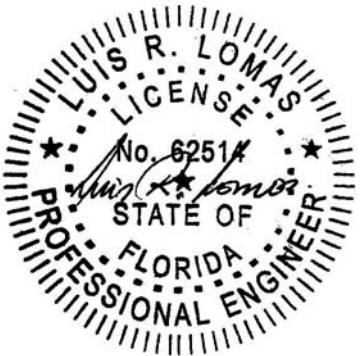
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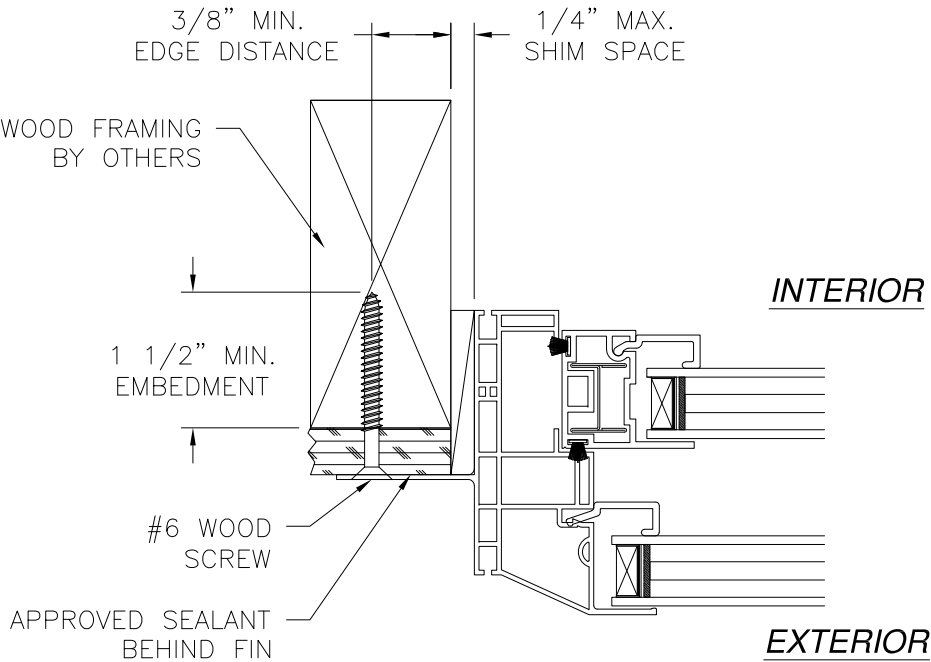
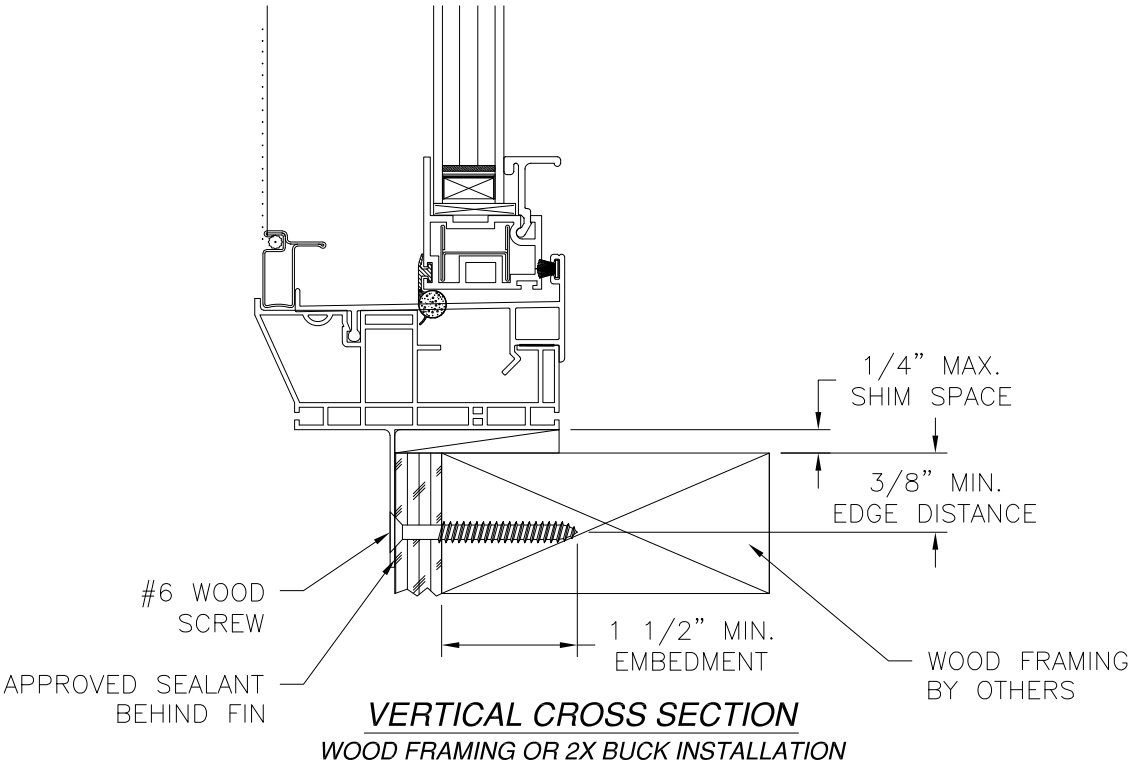
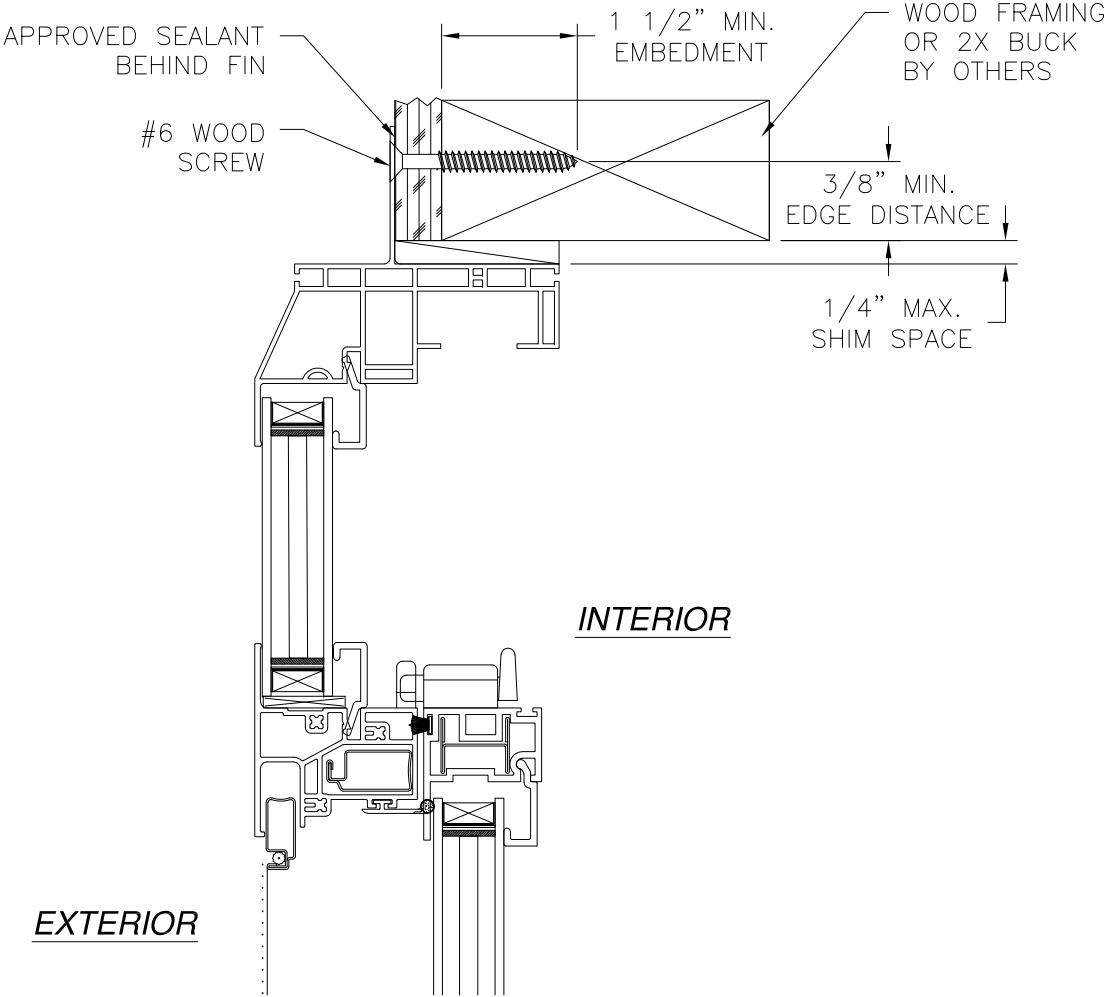
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WOOD FRAMING OR 2X BUCK INSTALLATION

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INSTALLATION DETAILS STANDARD FRAME

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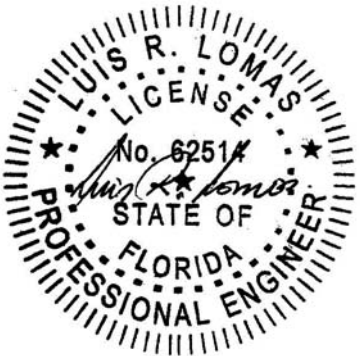
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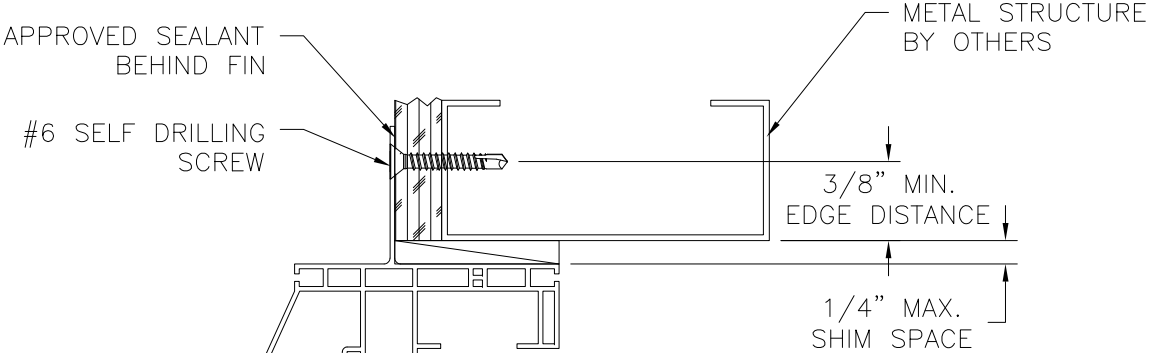
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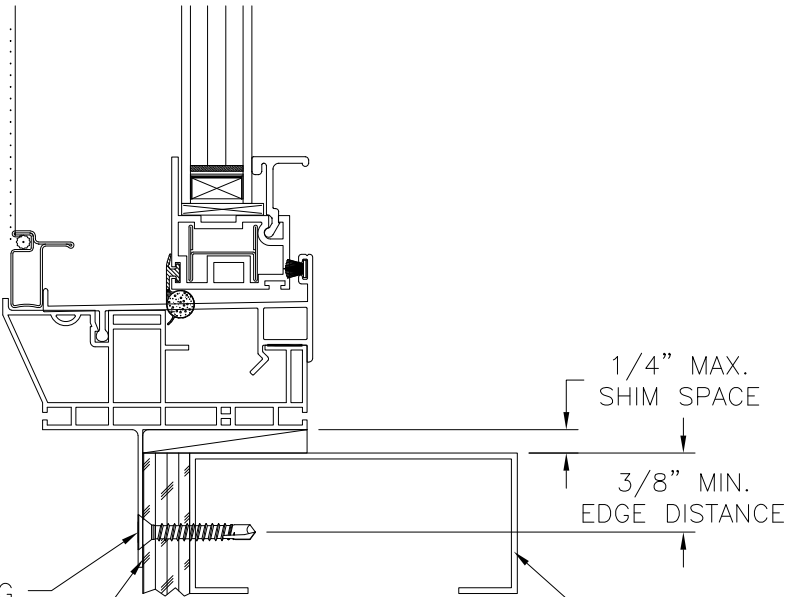
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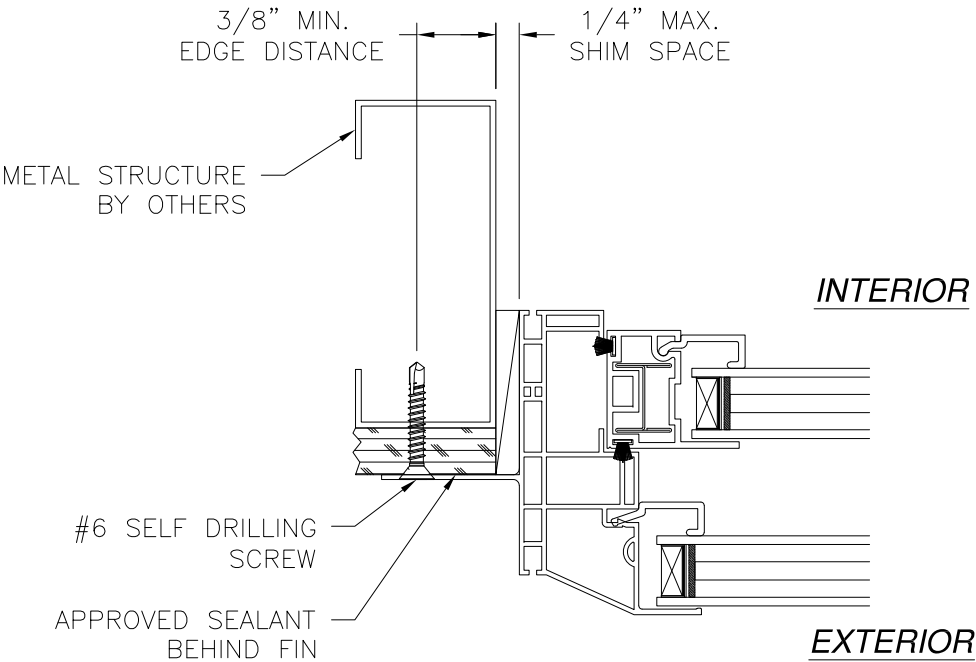


INTERIOR

EXTERIOR



VERTICAL CROSS SECTION  
METAL STRUCTURE INSTALLATION



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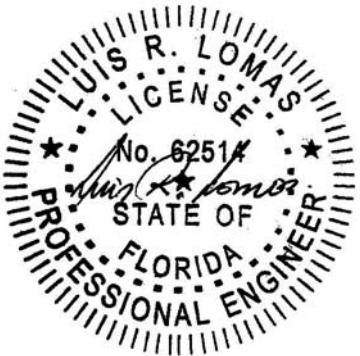
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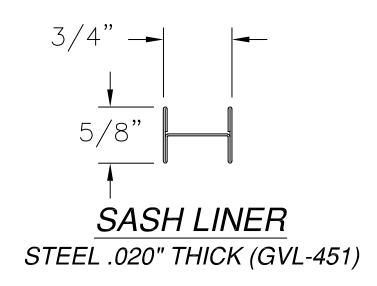
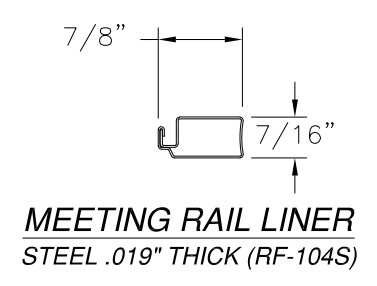
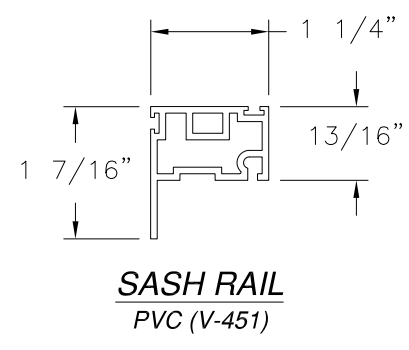
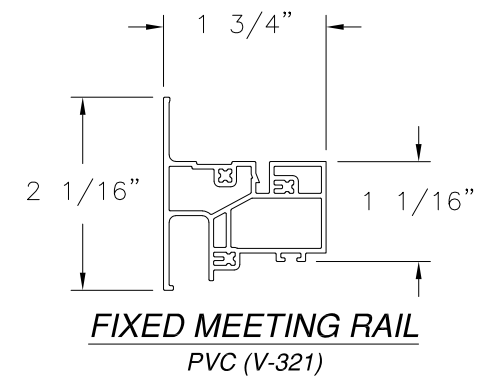
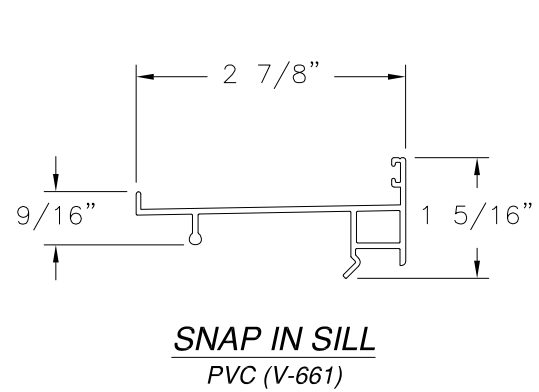
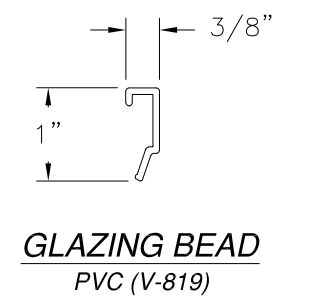
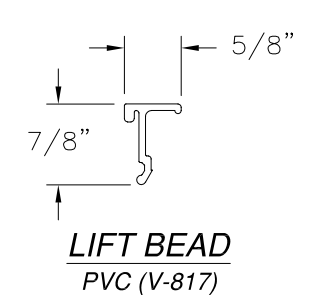
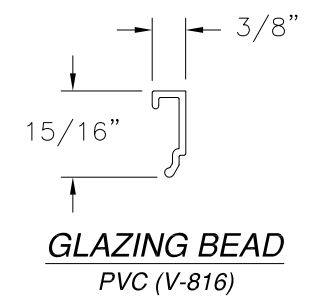
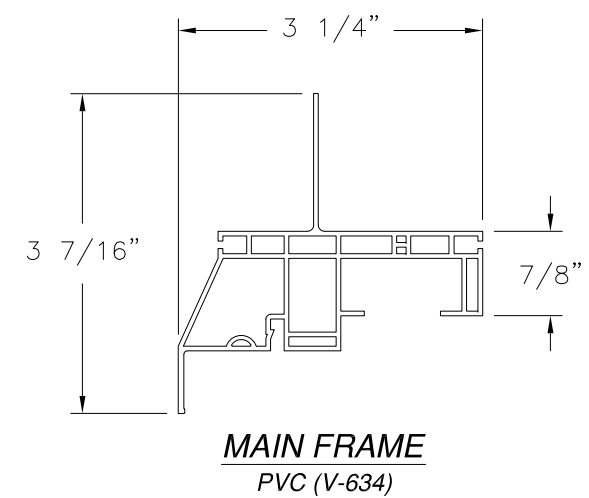
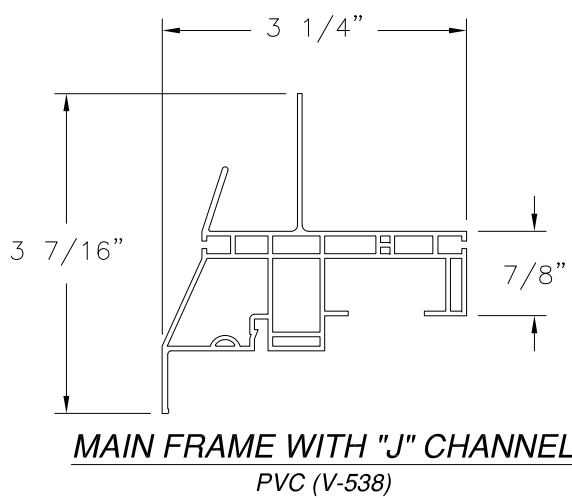
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