

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

NOTES:

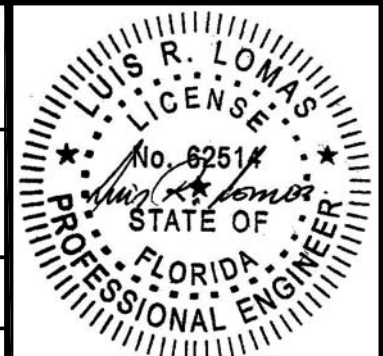
1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE FLORIDA BUILDING CODE.
2. WOOD FRAMING AND METAL STRUCTURE TO BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO STRUCTURE. FRAMING AND MASONRY OPENING IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
3. FRAMING SHALL EXTEND BEYOND UNIT FRAME INTERIOR FACE SO THAT FULL FRAME SUPPORT IS PROVIDED.
4. SHIM AS REQUIRED WITH LOAD BEARING SHIM. SHIM WHERE SPACE OF 1/16" OR GREATER OCCURS. MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4".
5. SHIMS SHALL BE LOCATED, APPLIED AND MADE FROM MATERIALS AND THICKNESS CAPABLE OF SUSTAINING APPLICABLE LOADS.
6. WIND LOAD DURATION FACTOR  $C_d=1.6$  WAS USED FOR WOOD ANCHOR CALCULATIONS.
7. FRAME MATERIAL: EXTRUDED RIGID PVC.
8. UNITS MUST BE GLAZED PER ASTM E1300, SEE SHEET 2 FOR DETAILS.
9. APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.
10. FOR ANCHORING 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.
11. FOR ANCHORING 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.
12. ALL FASTENERS TO BE CORROSION RESISTANT.
13. 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:
- 13.1. WOOD: MINIMUM SPECIFIC GRAVITY OF  $G=0.42$
  - 13.2. METAL STRUCTURE: STEEL 18GA (.048")  $FY=33KSI/FU=52KSI$  OR ALUMINUM 6063-T5  $FU=30KSI$  .048" THICK MINIMUM
  14. 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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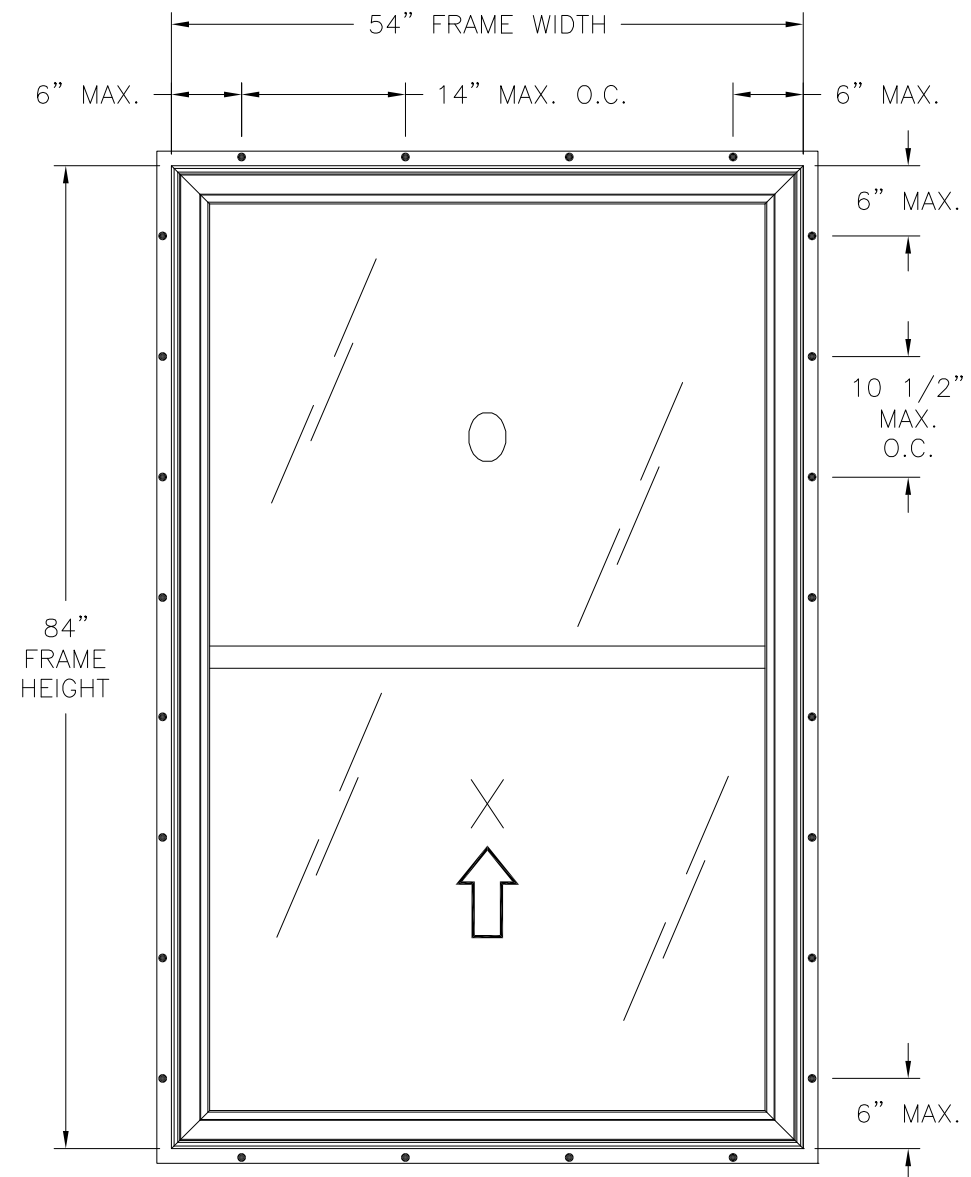
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<b>STERGIS WINDOW &amp; DOORS</b> 79 WALTON STREET ATTLEBORO, MA 02703		
5000 SERIES IMPACT SINGLE HUNG SH-93 WINDOW NOTES		
DRAWN: R.L.	DWG NO. 08-03940	REV -
SCALE NTS	DATE 07/18/2022	SHEET 1 OF 5
L. ROBERTO LOMAS P.E. 400 S. PALM AVE, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

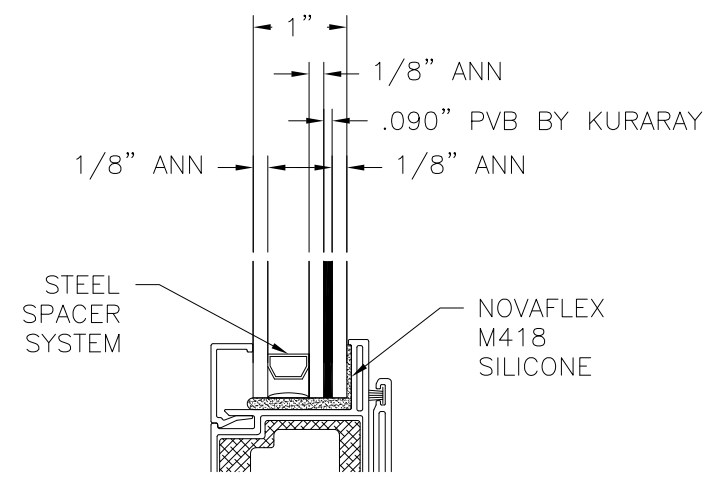


Luis R. Lomas P.E.  
FL No.: 62514

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- NOTES:**
- SASH SIZE: 51" X 42 1/4"
  - SASH D.L.O.: 47 1/8" X 38 5/16"
  - FIXED D.L.O.: 50 1/8" X 38 3/8"



**GLAZING DETAIL**

**5000 SERIES PVC SINGLE HUNG WINDOW**  
EXTERIOR VIEW

DESIGN PRESSURE RATING	IMPACT RATING
±75.0PSF	LARGE & SMALL MISSILE IMPACT

MISSILE LEVEL D, WIND ZONE 3  
54" X 84" UNIT SHOWN. OTHER SIZES APPROVED AS LONG AS  
FRAME AREA DOES NOT EXCEED 31.5 FT<sup>2</sup>

**HARDWARE SCHEDULE**

A.	(2) METAL LOCK AND KEEPER AT LOCK RAIL 9" FROM EACH END
B.	(2) TILT LATCH AT SASH TOP CORNERS
C.	(2) BLOCK FOR TILT LATCH AT TILT LATCH
D.	(2) BALANCE SYSTEM WITH PIVOT SHOES ONE PER JAMB
E.	(2) PIVOT BAR AT SASH BOTTOM CORNERS
F.	ALUMINUM REINFORCEMENT (SE9346B) AT LOCK RAIL
G.	ALUMINUM REINFORCEMENT (SE9304) AT FIXED MEETING RAIL
H.	ALUMINUM REINFORCEMENT (SE9345) AT BOTTOM RAIL AND STILES

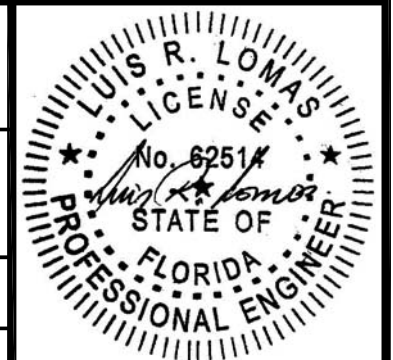
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**STERGIS WINDOW & DOORS**  
79 WALTON STREET  
ATTLEBORO, MA 02703

5000 SERIES IMPACT SINGLE HUNG SH-93  
WINDOW  
ELEVATION

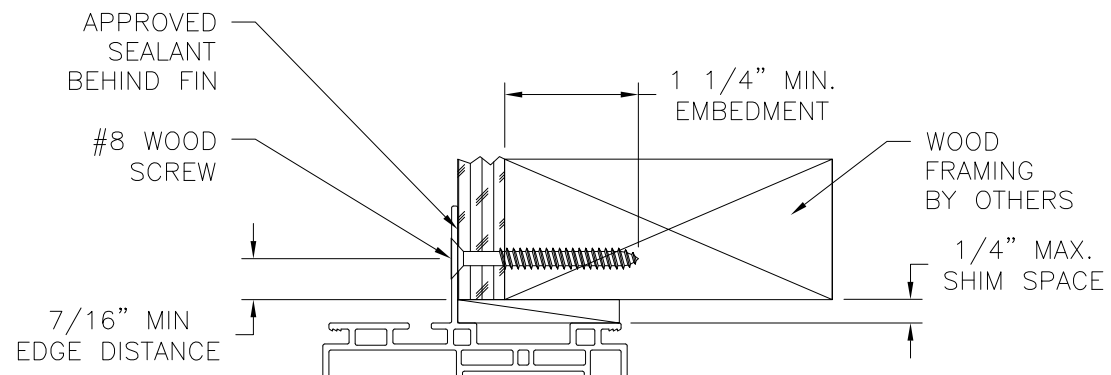
DRAWN: R.L.	DWG NO. 08-03940	REV -
SCALE NTS	DATE 07/18/2022	SHEET 2 OF 5

L. ROBERTO LOMAS P.E.  
400 S. PALM AVE, INDIALANTIC, FL 32903  
434-688-0609 rllomas@rlomaspe.com



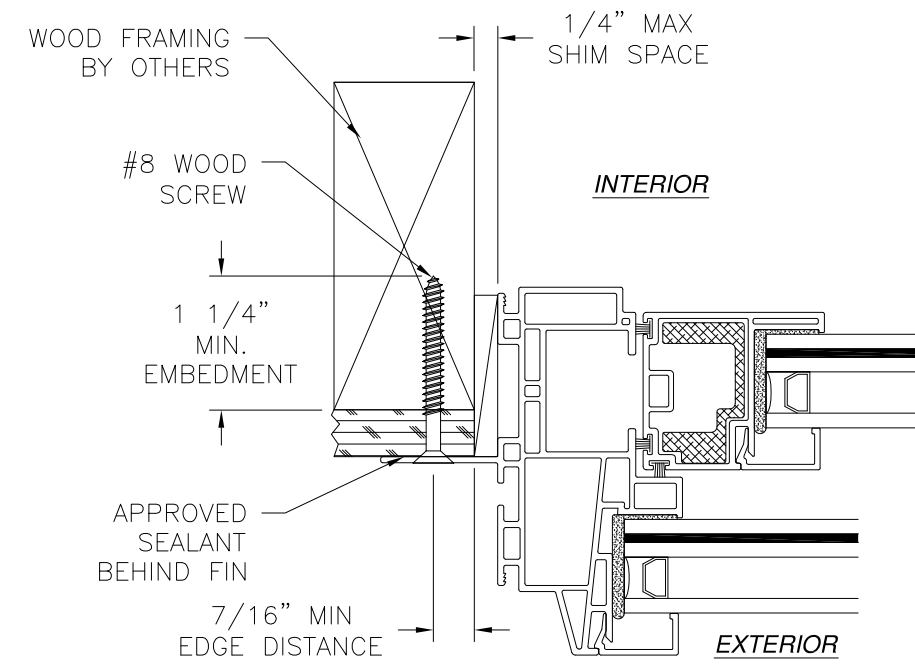
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EXTERIOR

INTERIOR

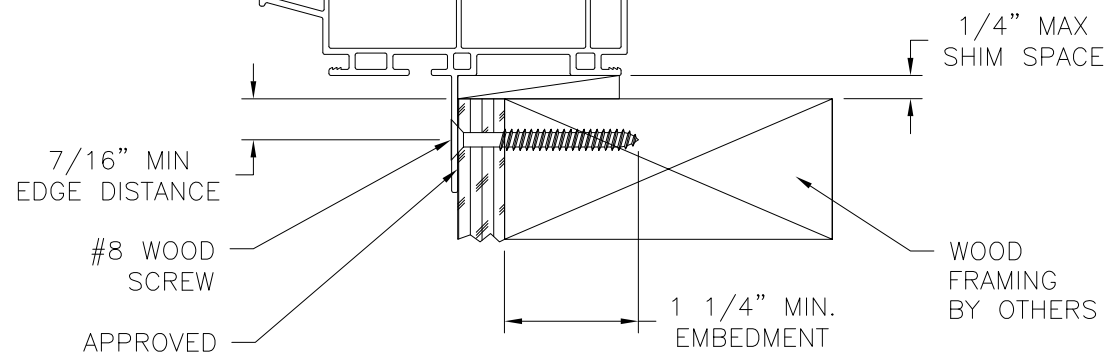


INTERIOR

EXTERIOR

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

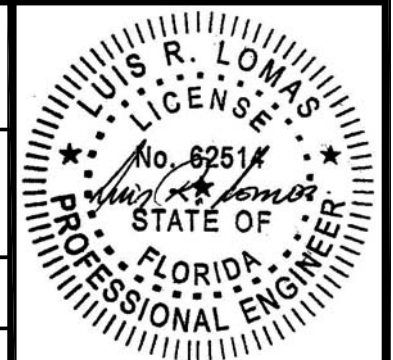
- NOTES:**
1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
  2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112



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

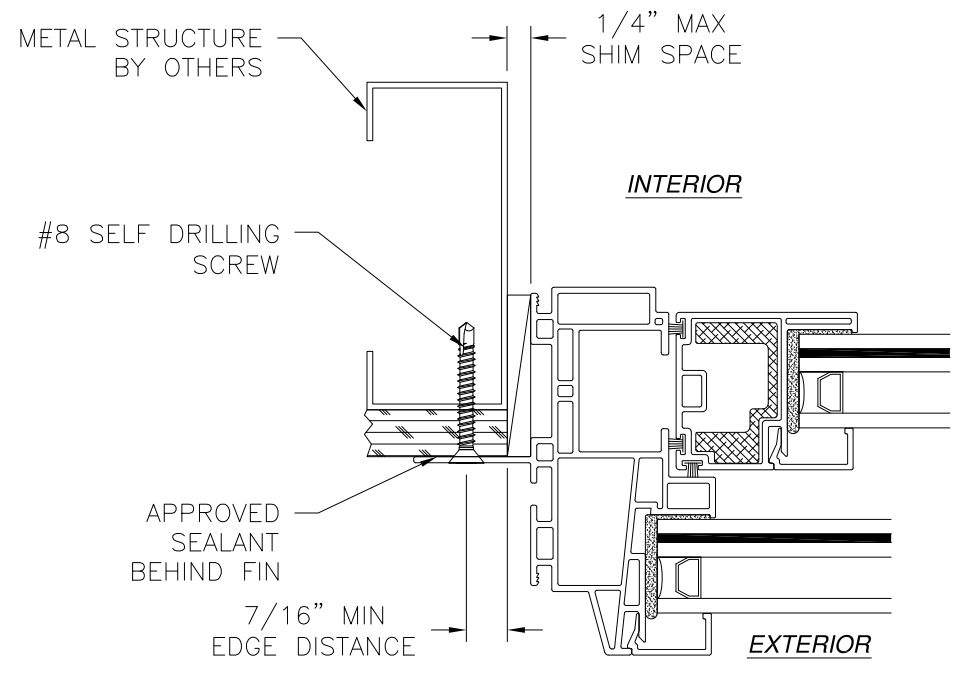
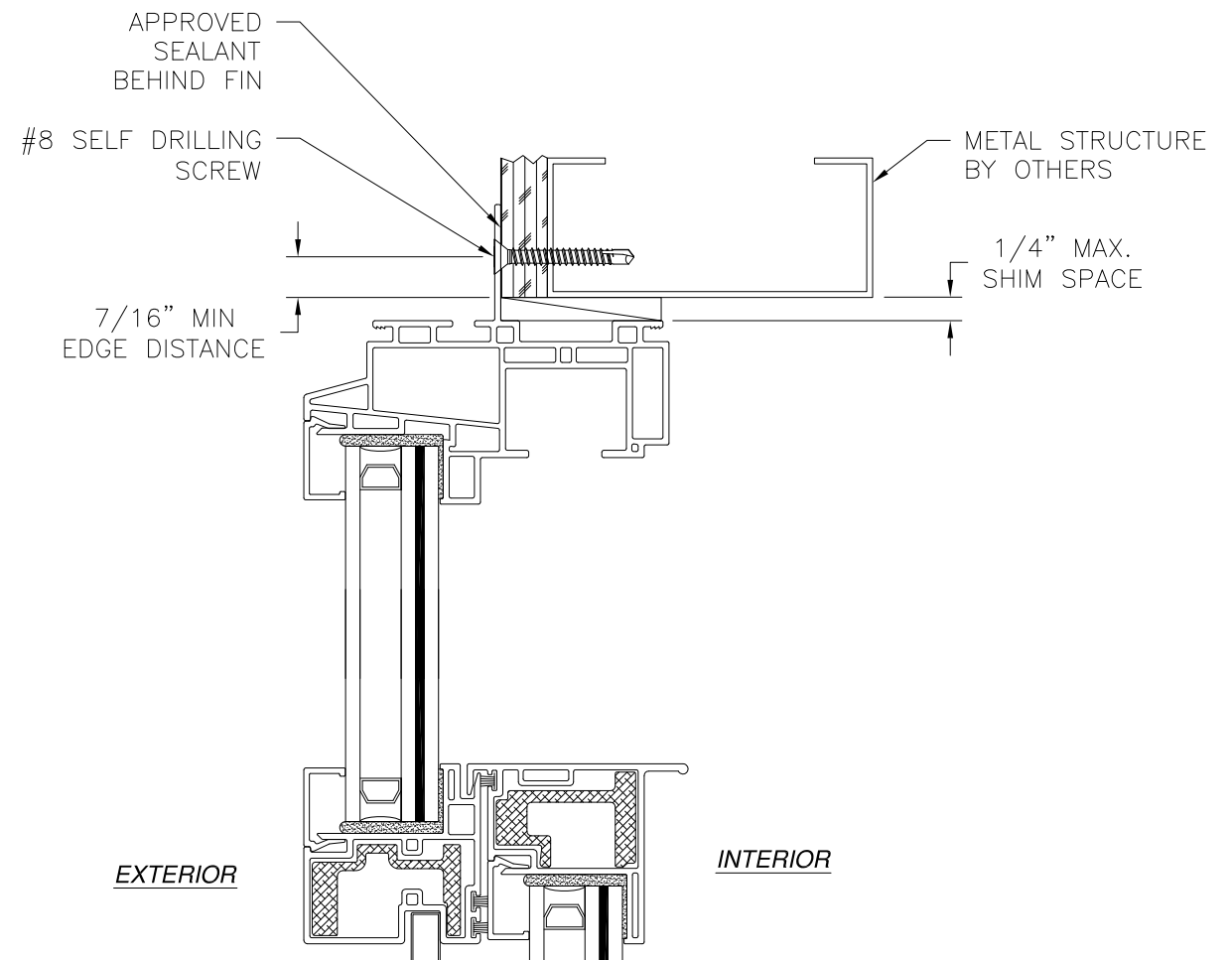
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<b>STERGIS WINDOW &amp; DOORS</b> 79 WALTON STREET ATTLEBORO, MA 02703		
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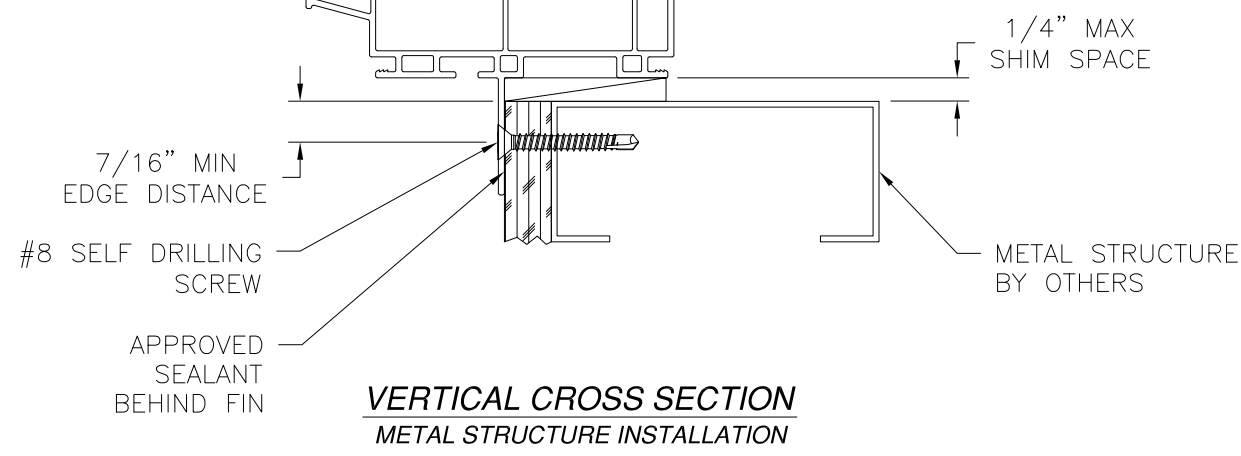
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**JAMB INSTALLATION DETAIL**  
METAL STRUCTURE INSTALLATION

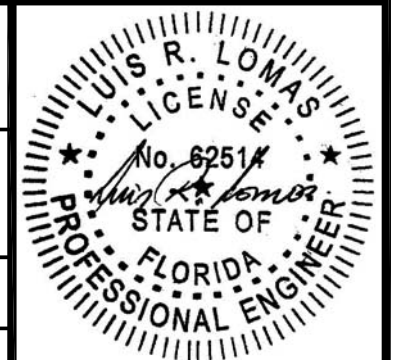
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**VERTICAL CROSS SECTION**  
METAL STRUCTURE INSTALLATION

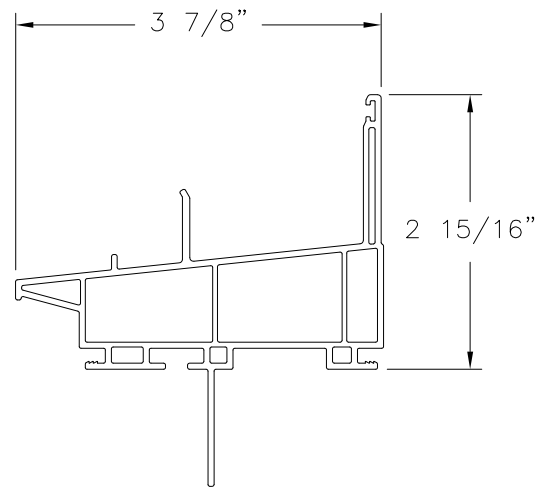
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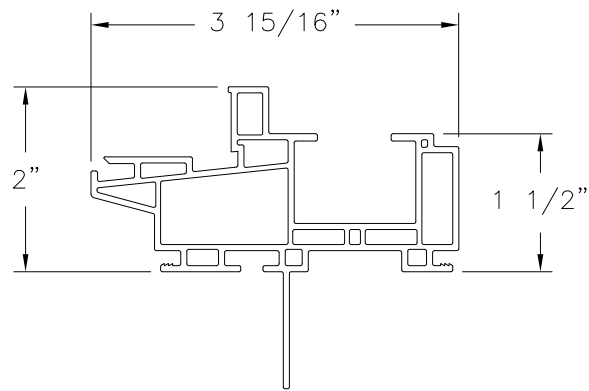


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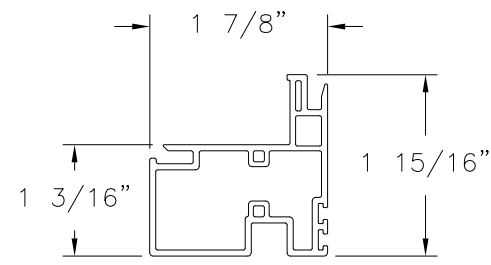
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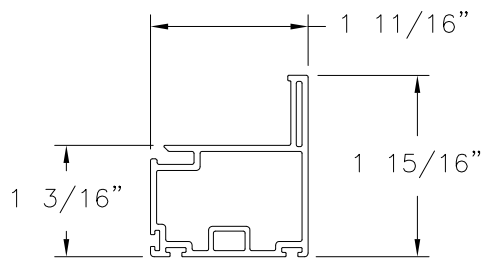
**SILL (SH9303)**  
VINYL PVC .065" THICK



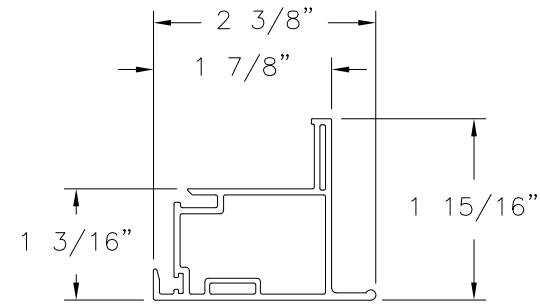
**FRAME (SH9301)**  
VINYL PVC .065" THICK



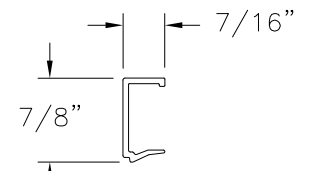
**FIXED MEETING RAIL (SE9304)**  
VINYL PVC .065" THICK



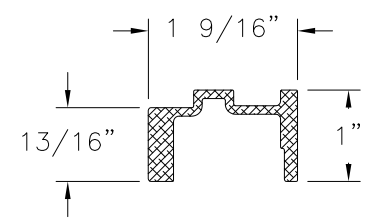
**COMMON SASH (SE9345)**  
VINYL PVC .065" THICK



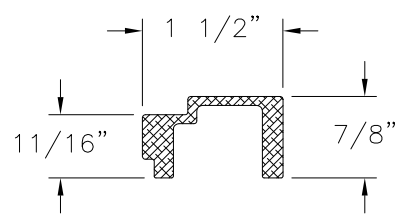
**LIFT RAIL (SE9346)**  
VINYL PVC .065" THICK



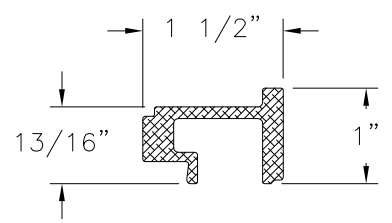
**3/4" GLAZING BEAD (BV137)**  
VINYL PVC .059" THICK



**REINFORCING (SE9304)**  
ALUMINUM 6063-T6 .09" THICK



**REINFORCING (SE9345)**  
ALUMINUM 6063-T5 .095" THICK



**REINFORCING (SE9346)**  
ALUMINUM 6063-T6 .125" THICK

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**STERGIS WINDOW & DOORS**  
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5000 SERIES IMPACT SINGLE HUNG SH-93  
WINDOW  
COMPONENTS

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