

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	CHANGE MANUFACTURER'S NAME	04/10/2023	R.L.

NOTES:

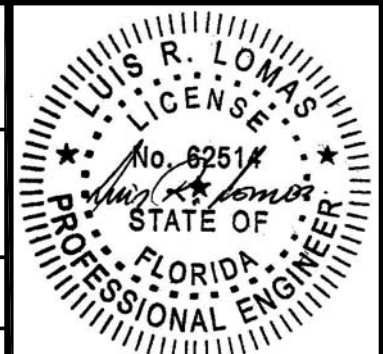
1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE FLORIDA BUILDING CODE INCLUDING THE HVHZ.
2. WOOD FRAMING AND MASONRY OPENING TO BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO STRUCTURE. FRAMING AND MASONRY OPENING IS THE RESPONSIBILITY OF THE ARCHITECT 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. 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: ALUMINUM 6063-T5.
12. UNITS MUST BE GLAZED PER ASTM E1300, SEE SHEET 4 FOR GLASS DETAILS.
13. APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.
14. FOR ANCHORING INTO STORE FRONT USE #14 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. ALL FASTENERS TO BE CORROSION RESISTANT.
16. 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. METAL STRUCTURE: STEEL 18GA (.048") FY=33KSI/FU=52KSI OR ALUMINUM 6063-T5 FU=30KSI 1/8" THICK MINIMUM
17. THIS PRODUCT IS TO BE INSTALLED INTO A STORE FRONT SYSTEM. STORE FRONT SYSTEM MUST HAVE ITS OWN PRODUCT APPROVAL. SELECTION OF STORE FRONT SYSTEM IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD.

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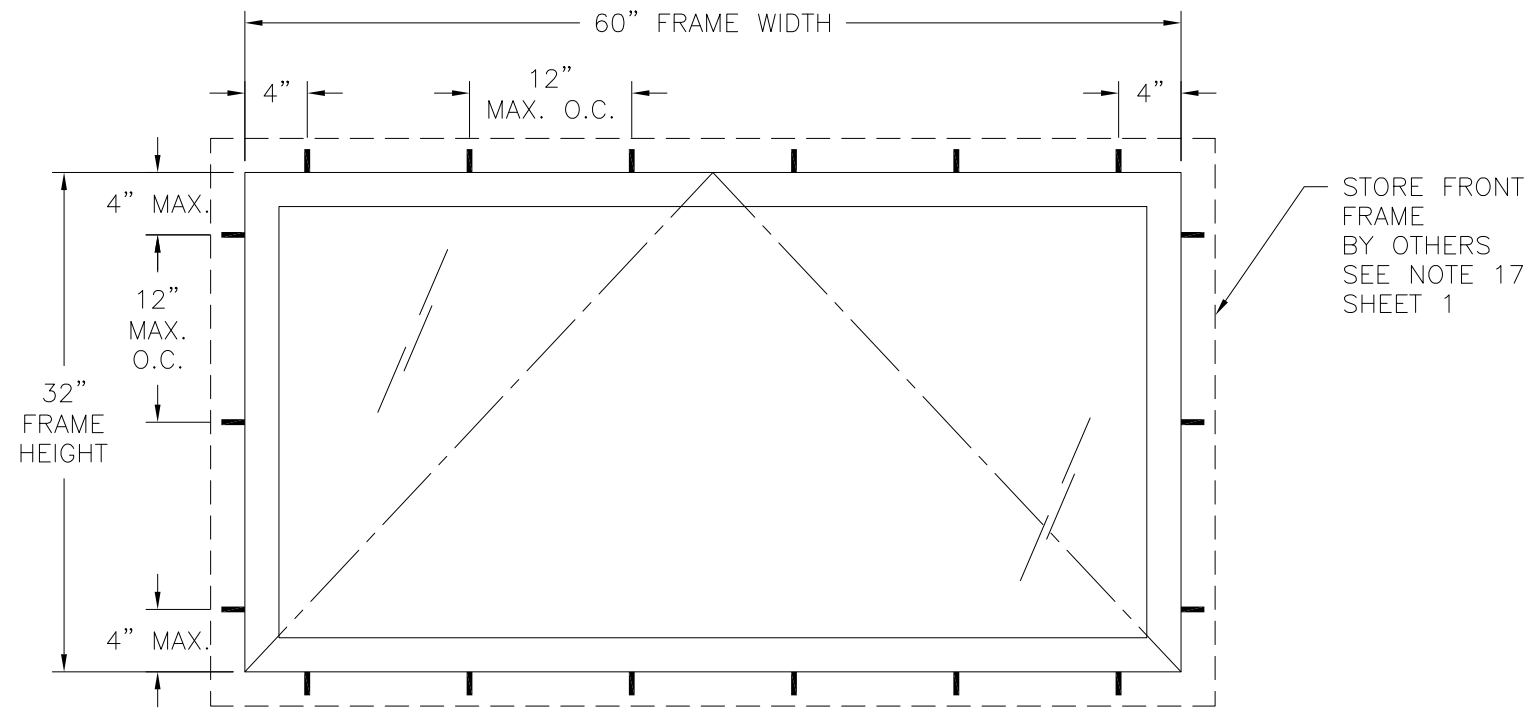
<b>US ALUMINUM</b> 950 SOLON RD. WAXAHACHIE, TX 75165		
IW7600 ALUMINUM PROJECT OUT WINDOW IMPACT NOTES		
DRAWN: A.R.	DWG NO. 08-03357	REV A
SCALE NTS	DATE 02/18/19	SHEET 1 OF 4
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@lrlomaspe.com		

SIGNED: 04/10/2023



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

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NOTES:  
1. D.L.O. SIZE: 55 5/8" X 27 5/8"

**IW7600 ALUMINUM PROJECT OUT WINDOW**  
EXTERIOR VIEW

DESIGN PRESSURE RATING	IMPACT RATING
±70PSF	LARGE AND SMALL MISSILE IMPACT

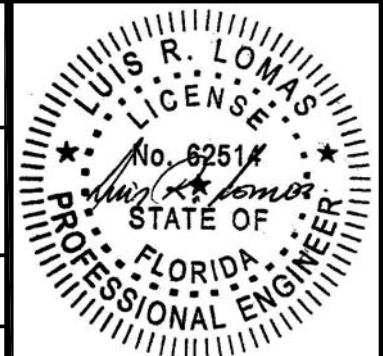
MISSILE LEVEL D, WIND ZONE 4, AND HVHZ  
60" X 32" UNIT SHOWN. OTHER SIZES APPROVED AS LONG AS  
FRAME AREA DOES NOT EXCEED 13.33 FT<sup>2</sup>

**HARDWARE SCHEDULE**

A.	(1) MULTI-POINT LOCK WITH KEEPERS WITH HANDLE AT CENTER OF VENT BOTTOM RAIL
B.	(3) LOCK BUTTONS AT LOCK SLIDE BAR
C.	(3) SNUBBER SETS AT 6" FROM EACH END AND ONE AT CENTER OF VENT TOP RAIL AND FRAME HEAD
D.	(4) BAR FRICTION HINGE WITH HINGE ADAPTER AT FRAME JAMBS

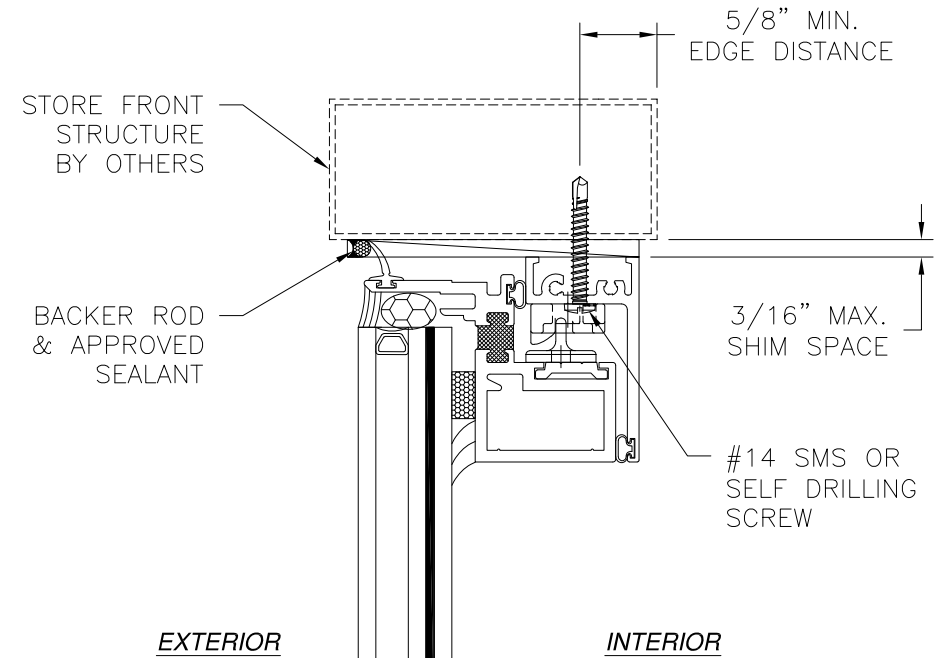
SIGNED: 04/10/2023

<b>US ALUMINUM</b> 950 SOLON RD. WAXAHACHIE, TX 75165		
IW7600 ALUMINUM PROJECT OUT WINDOW IMPACT ELEVATION		
DRAWN: A.R.	DWG NO. 08-03357	REV A
SCALE NTS	DATE 02/18/19	SHEET 2 OF 4
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@rlomaspe.com		

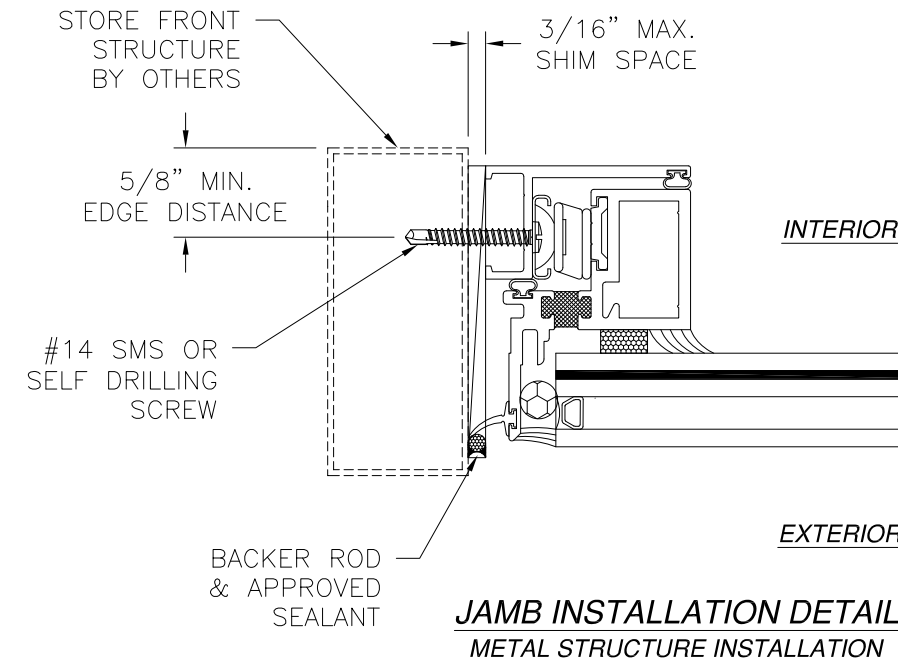


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**VERTICAL CROSS SECTION**  
METAL STRUCTURE INSTALLATION



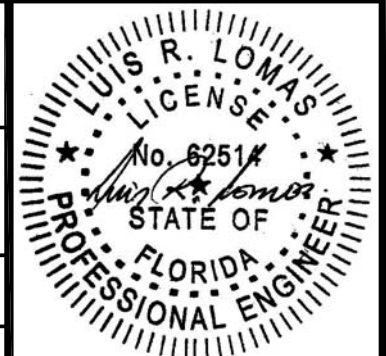
**JAMB INSTALLATION DETAIL**  
METAL STRUCTURE INSTALLATION

**NOTES:**

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

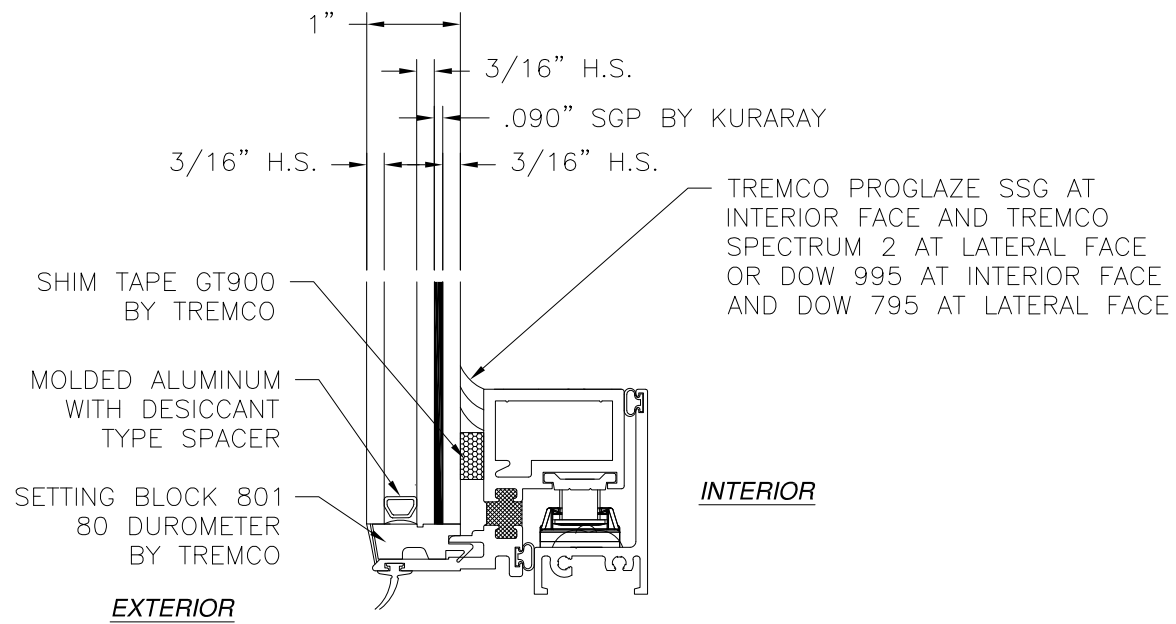
SIGNED: 04/10/2023

US ALUMINUM 950 SOLON RD. WAXAHACHIE, TX 75165		
IW7600 ALUMINUM PROJECT OUT WINDOW IMPACT INSTALLATION DETAILS		
DRAWN: A.R.	DWG NO. 08-03357	REV A
SCALE NTS	DATE 02/18/19	SHEET 3 OF 4
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@lrlomaspe.com		

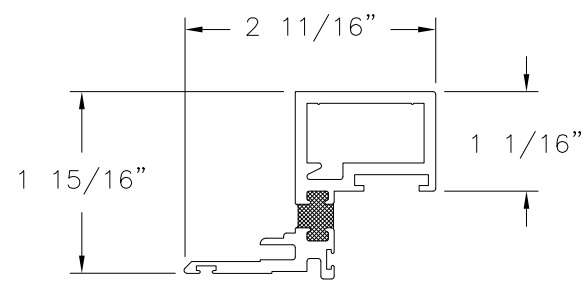


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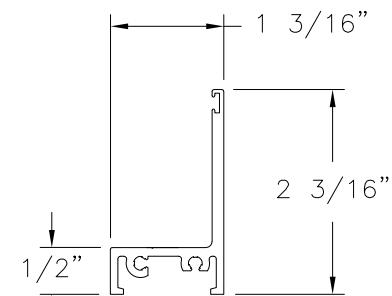
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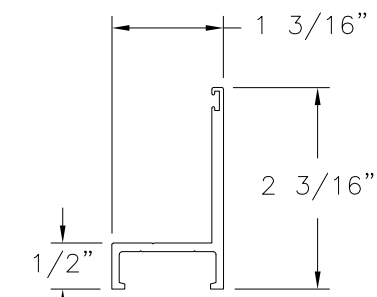
**GLAZING DETAIL**  
FOR INSTALLATIONS UP TO 30FT ABOVE GROUND LEVEL



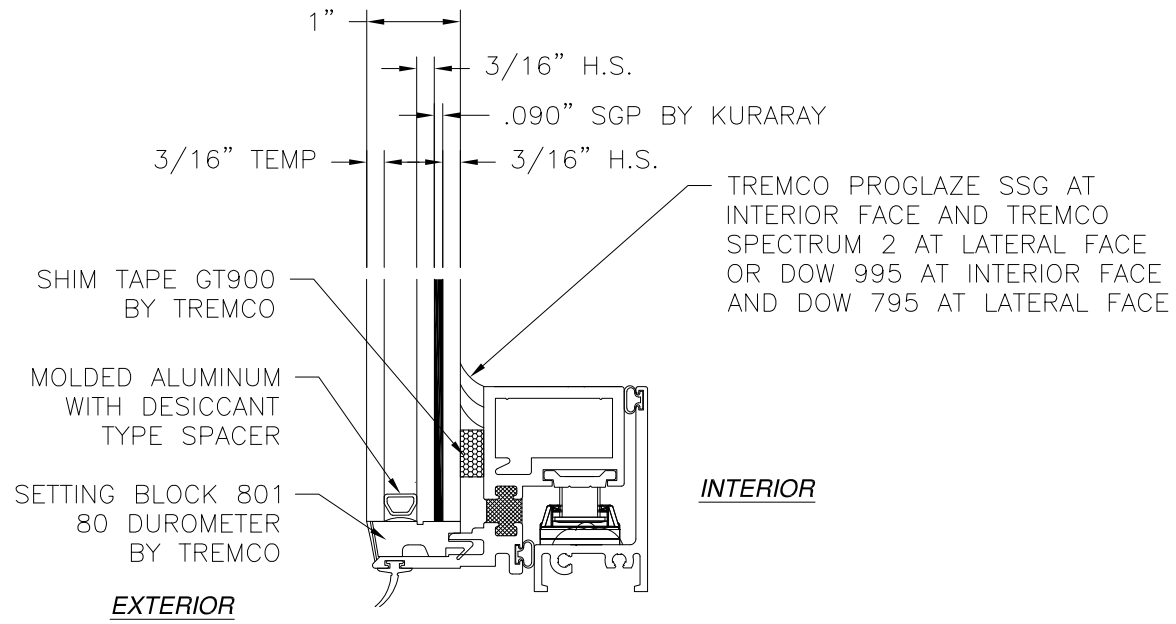
**VENT HEAD, SILL & JAMBS**  
ALUMINUM 6063-T5 (WN520)



**HEAD AND SILL**  
ALUMINUM 6063-T5 (WN521)



**JAMBS**  
ALUMINUM 6063-T5 (WN523)



**GLAZING DETAIL**  
FOR INSTALLATIONS GREATER THAN 30FT ABOVE GROUND LEVEL

**US ALUMINUM**  
950 SOLON RD.  
WAXAHACHIE, TX 75165

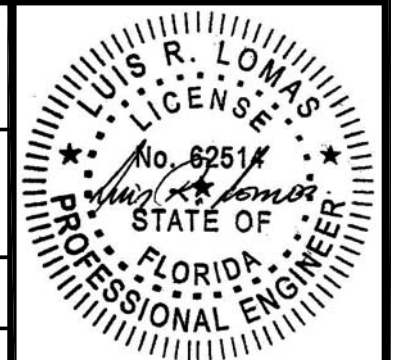
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IW7600 ALUMINUM PROJECT OUT WINDOW  
IMPACT  
COMPONENTS

DRAWN: A.R.	DWG NO. 08-03357	REV A
SCALE NTS	DATE 02/18/19	SHEET 4 OF 4

L. ROBERTO LOMAS P.E.  
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