

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

NOTES:

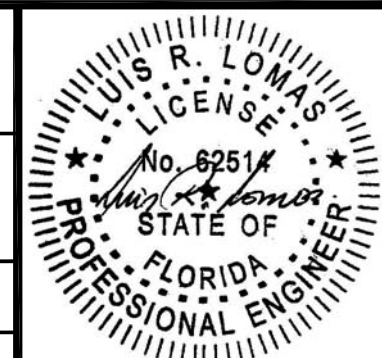
1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE FLORIDA BUILDING CODE INCLUDING THE HVHZ.
2. WOOD FRAMING AND MASONRY OPENING TO BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO STRUCTURE. FRAMING AND MASONRY OPENING IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
3. 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.
4. 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.
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 UNIT FRAME 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: ALUMINUM 6063-T5.
11. UNITS MUST BE GLAZED PER ASTM E1300, SEE SHEET 2 FOR GLASS DETAIL.
12. APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.

13. FOR ANCHORING THROUGH FRAME INTO WOOD FRAMING OR 2X BUCK USE #10 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 FRAME INTO MASONRY/CONCRETE USE 3/16" TAPCONS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 3/4" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 2" MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
15. 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.
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. CONCRETE: MINIMUM COMPRESSIVE STRENGTH OF 2,000 PSI.
  - C. MASONRY: GROUT/FILLED BLOCK PER ASTM C90 WITH Fm=2,000PSI MINIMUM.
  - D. METAL STRUCTURE: STEEL 18GA (.048") FY=33KSI/FU=52KSI OR ALUMINUM 6063-T5 FU=30KSI 1/8" THICK MINIMUM
18. APPROVED CONFIGURATIONS: XXXX, XXX, XX.

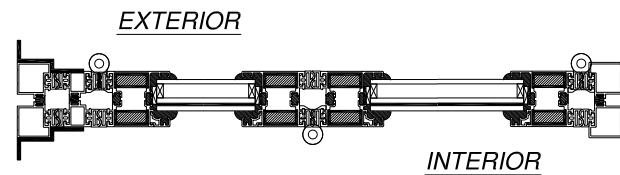
SIGNED: 09/26/2022

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8	COMPONENTS

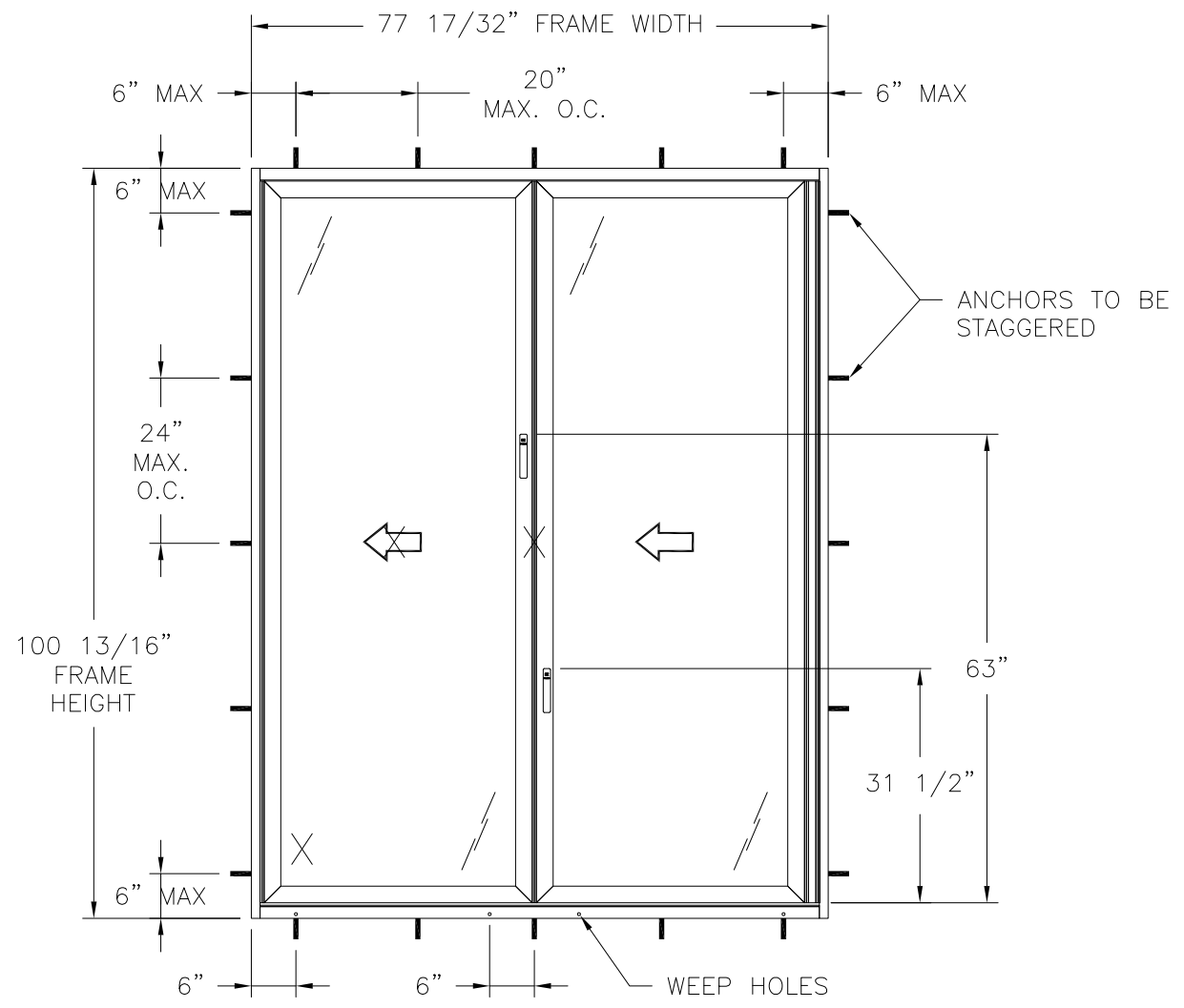
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<b>AZ57-HWF2 TWIN CORE ALUMINUM BIFOLD DOOR          IMPACT          NOTES</b>		
DRAWN: A.R.	DWG NO. 08-03757	REV -
SCALE NTS	DATE 08/19/2021	SHEET 1 OF 8
L. ROBERTO LOMAS P.E. 400 S. PALM AVE, INDIAN LANTIC, FL 32903 434-688-0609 rllomas@rlomaspe.com		



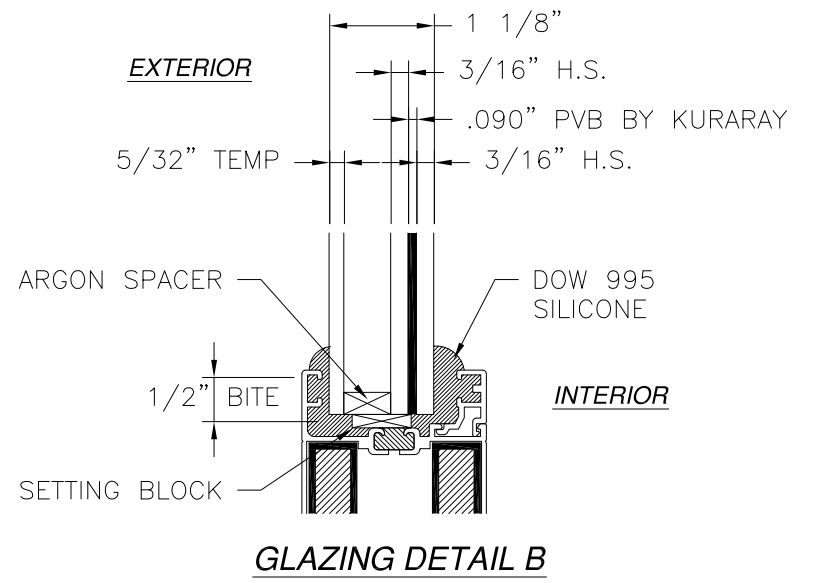
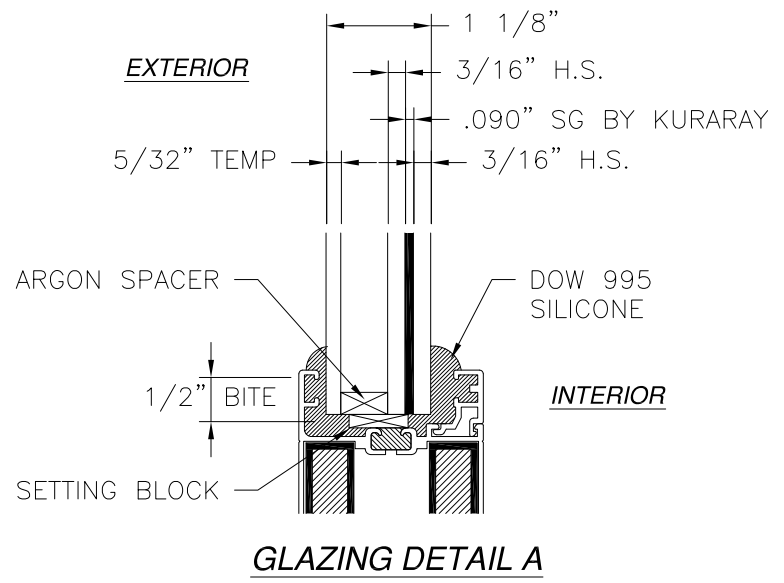
Luis R. Lomas P.E.  
FL No.: 62514



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- NOTES:**
- PANEL SIZE: 36" X 96"
  - D.L.O. SIZE: 32 3/8" X 92 3/8"



**AZ57-HWF2 TWIN CORE ALUMINUM BIFOLD DOOR**  
INTERIOR VIEW

WITH GLASS A		WITH GLASS B	
DESIGN PRESSURE RATING	IMPACT RATING	DESIGN PRESSURE RATING	IMPACT RATING
±60.0PSF	LARGE & SMALL MISSILE IMPACT	±50.0PSF	LARGE & SMALL MISSILE IMPACT
MISSILE LEVEL D, WIND ZONE 4 AND HVHZ		MISSILE LEVEL D, WIND ZONE 4 AND HVHZ	

HARDWARE SCHEDULE	
A.	HINGE (ALUMINUM 6063-T5), 24" ON CENTER
B.	HINGE WITH ROLLER, 4" FROM EACH END OF STILES ON PANELS
C.	MULTI-POINT LOCK SHOOT BOLTS AT HEAD AND SILL OF EACH PANEL AND AT HANDLE LOCATION
D.	ALUMINUM CLIP RUNNING FULL LENGTH OF JAMB
E.	L-BRACKET (ALUMINUM 6063-T5) AT FRAME JAMB
F.	HANDLE (ZINC) AT PANEL STILE
G.	ALUMINUM 6063-T5 PANEL REINFORCEMENT (TWIN CORE) AT TOP, BOTTOM RAIL AND STILES
H.	(2) ALUMINUM REINFORCEMENT BAR ON EACH RAIL AND STILE

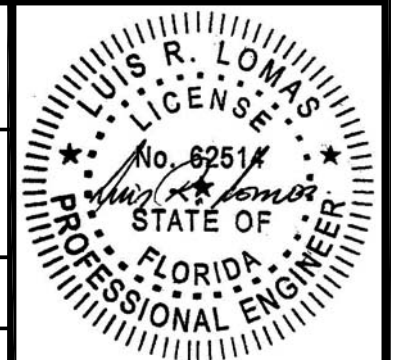
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12-1394, 369 GANGNAM-DAERO, SEOCHO-GU  
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AZ57-HWF2 TWIN CORE ALUMINUM BIFOLD DOOR  
IMPACT  
ELEVATION

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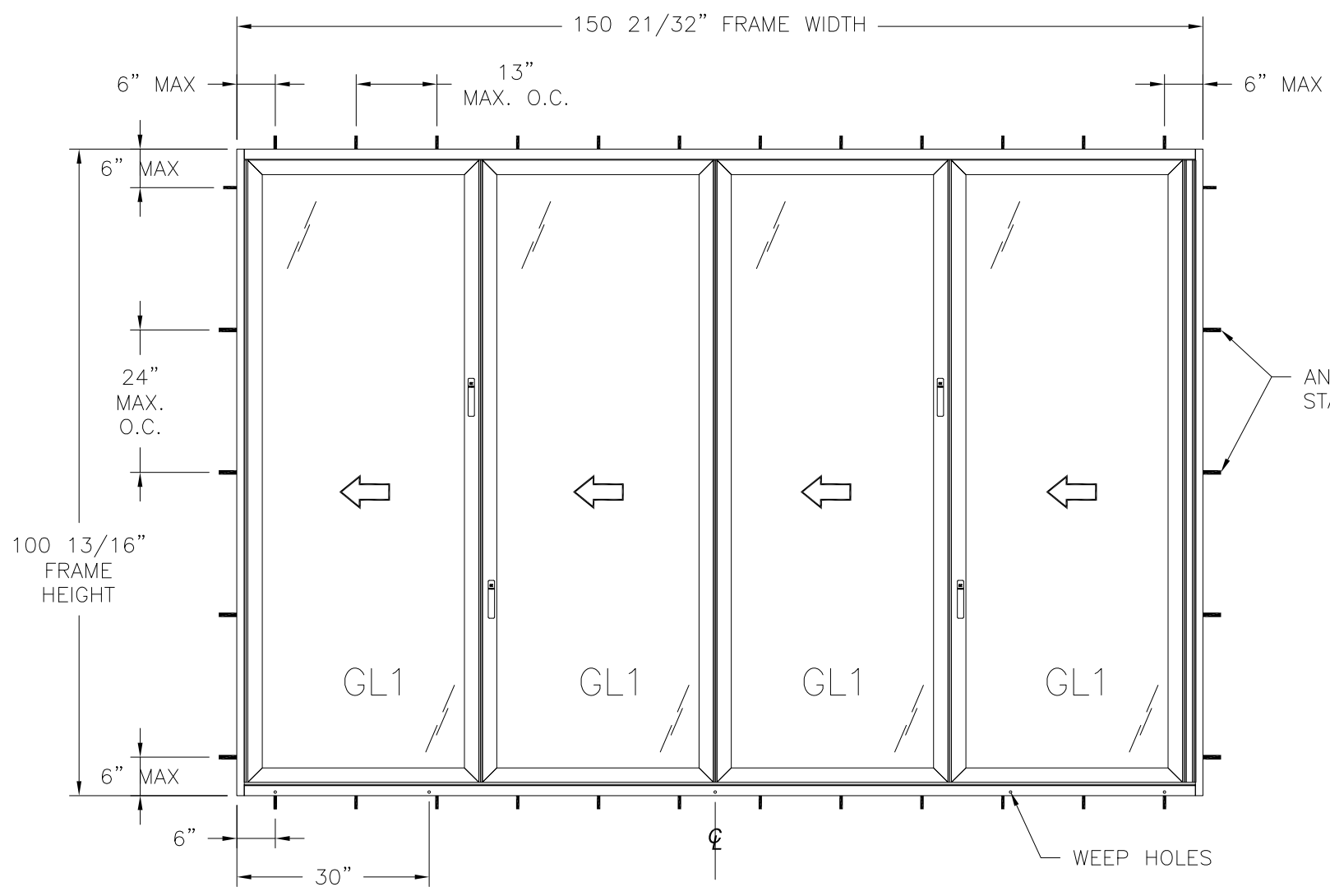
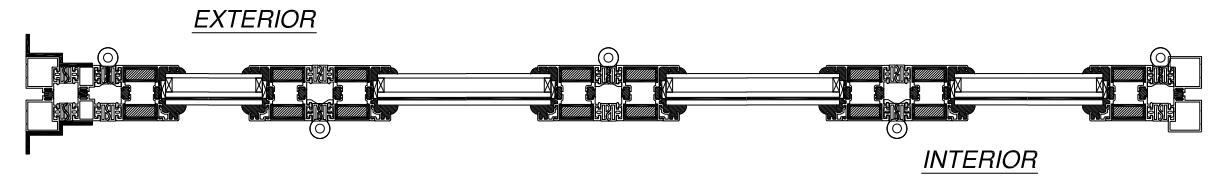
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MISSILE LEVEL D, WIND ZONE 4 AND HVHZ	

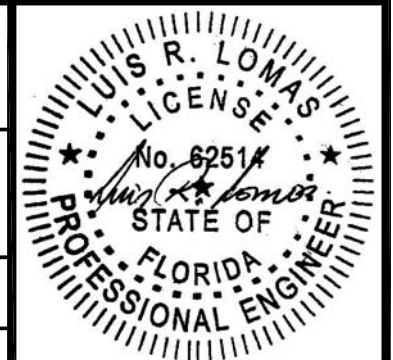
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IMPACT  
ELEVATION

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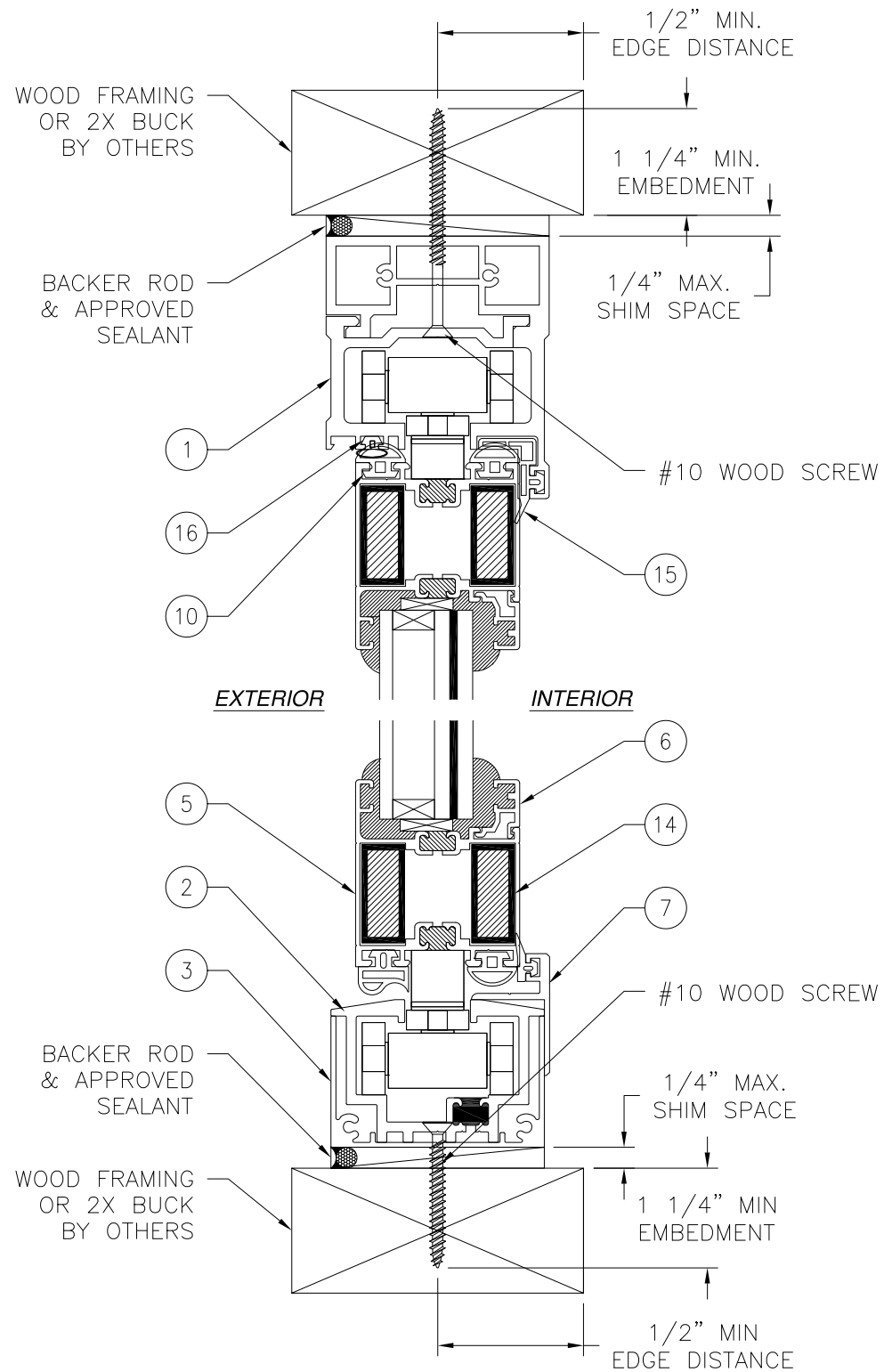
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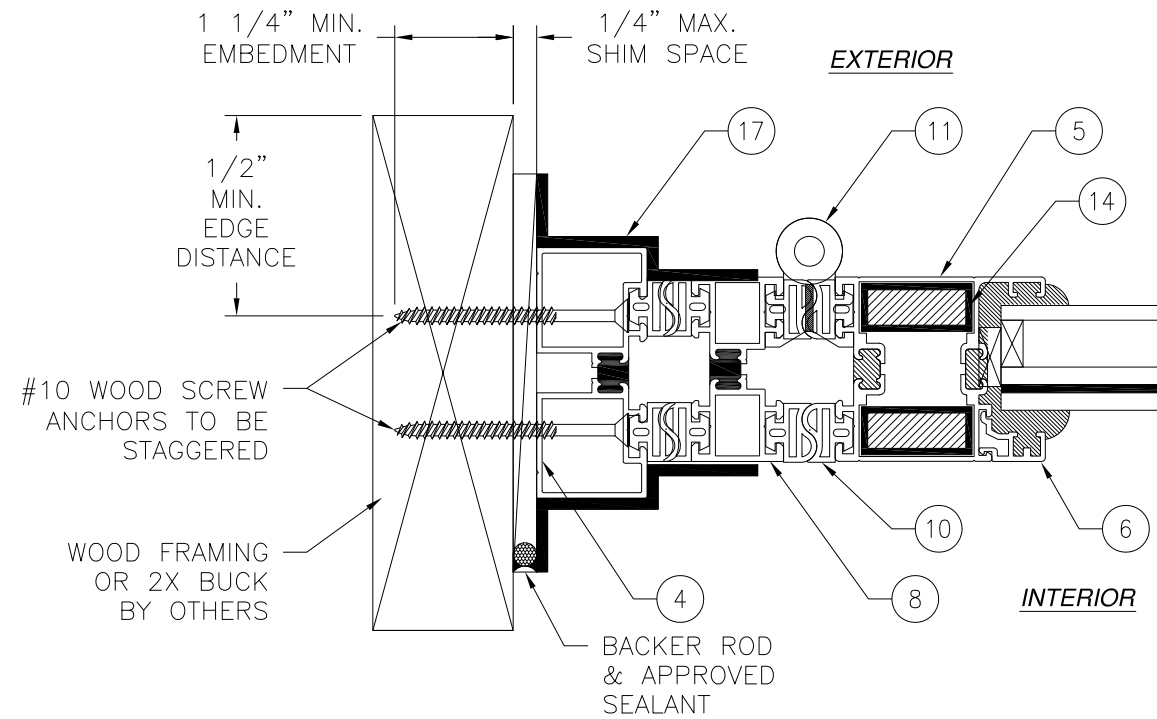


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**VERTICAL CROSS SECTION**  
WOOD FRAMING OR 2X BUCK INSTALLATION



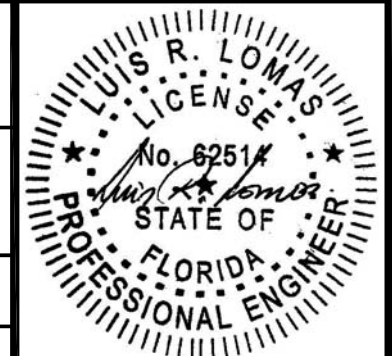
**JAMB INSTALLATION DETAIL**  
WOOD FRAMING OR 2X BUCK INSTALLATION

**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

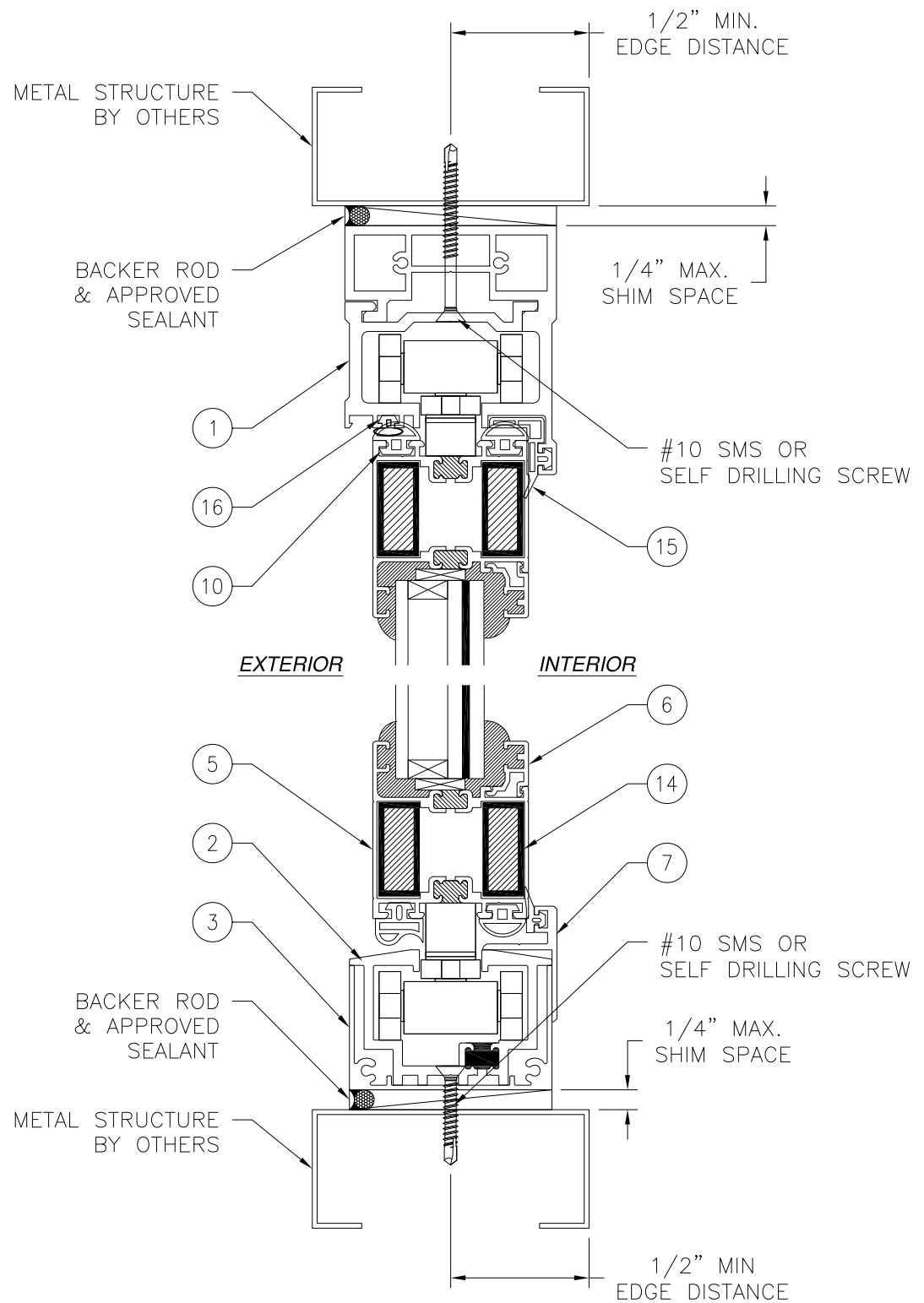
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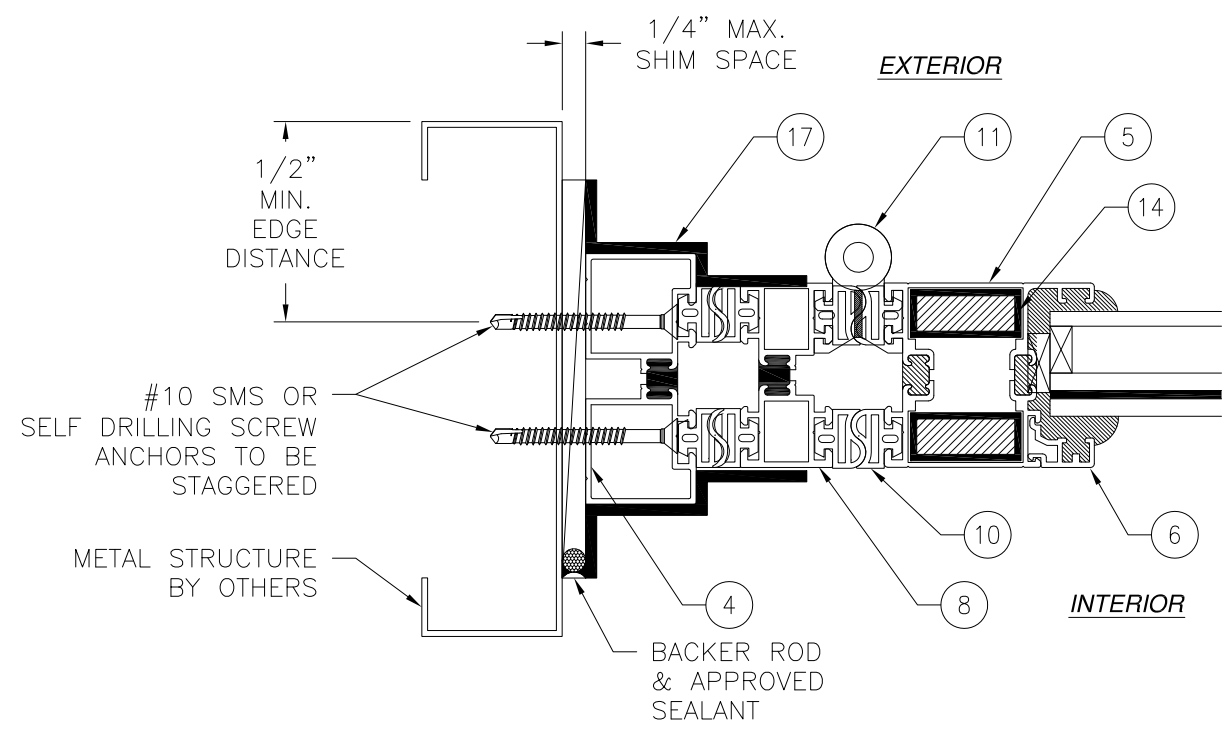


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**VERTICAL CROSS SECTION**  
METAL STRUCTURE INSTALLATION

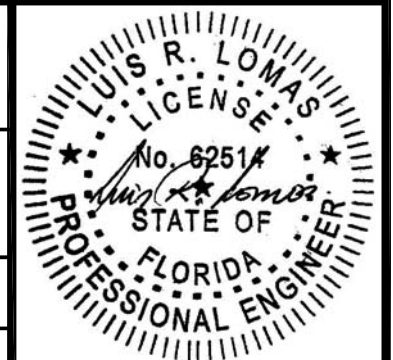


**JAMB INSTALLATION DETAIL**  
METAL STRUCTURE INSTALLATION

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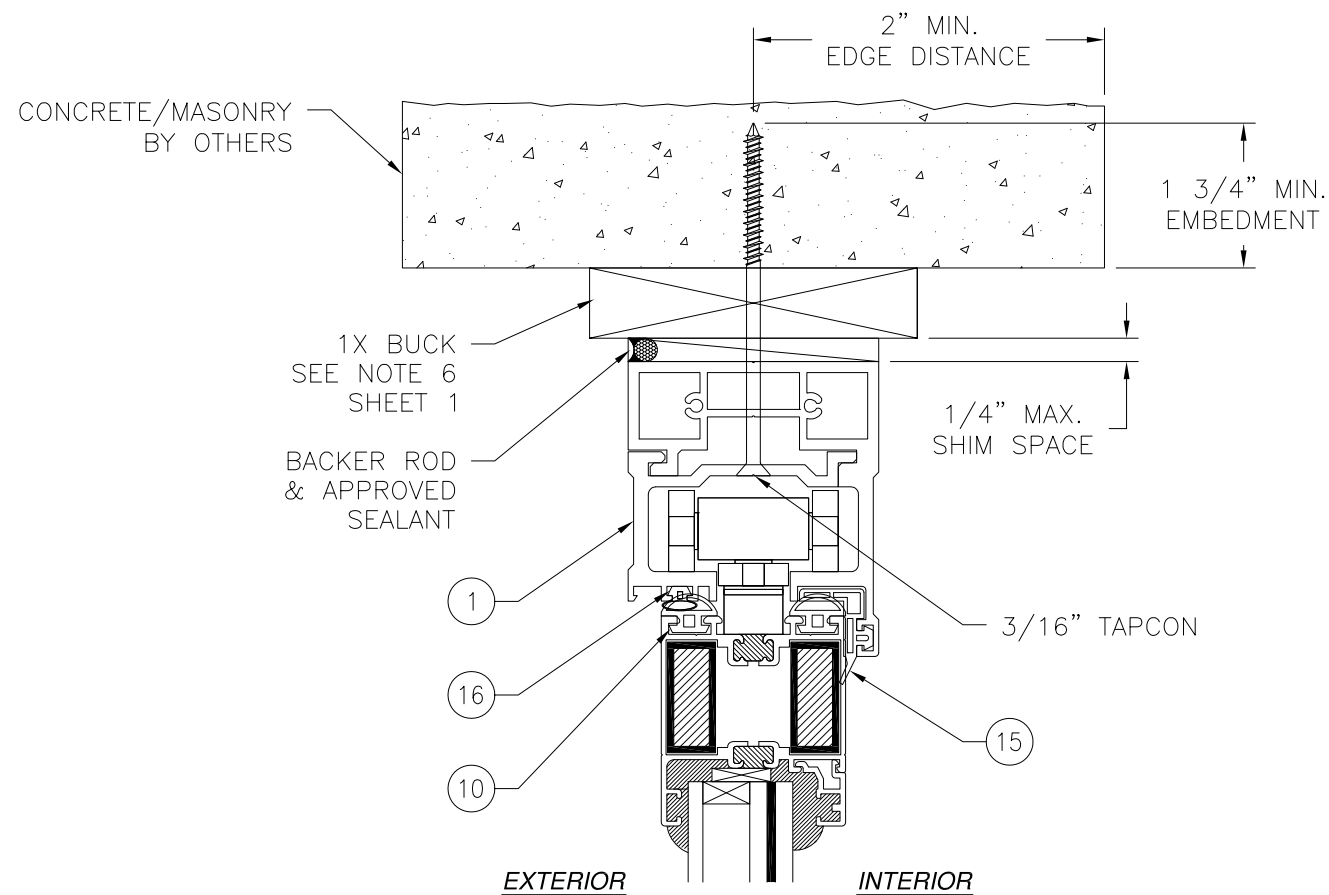
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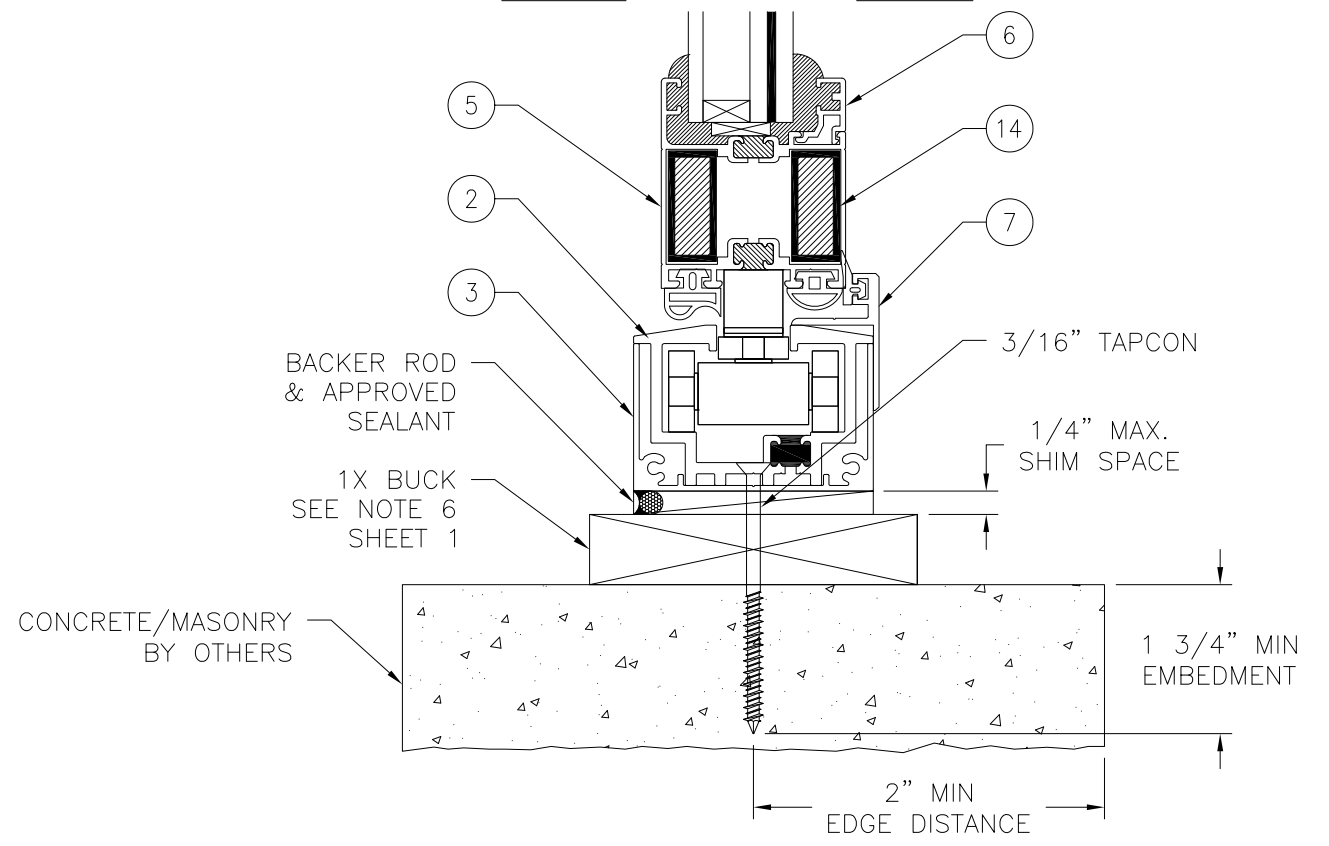


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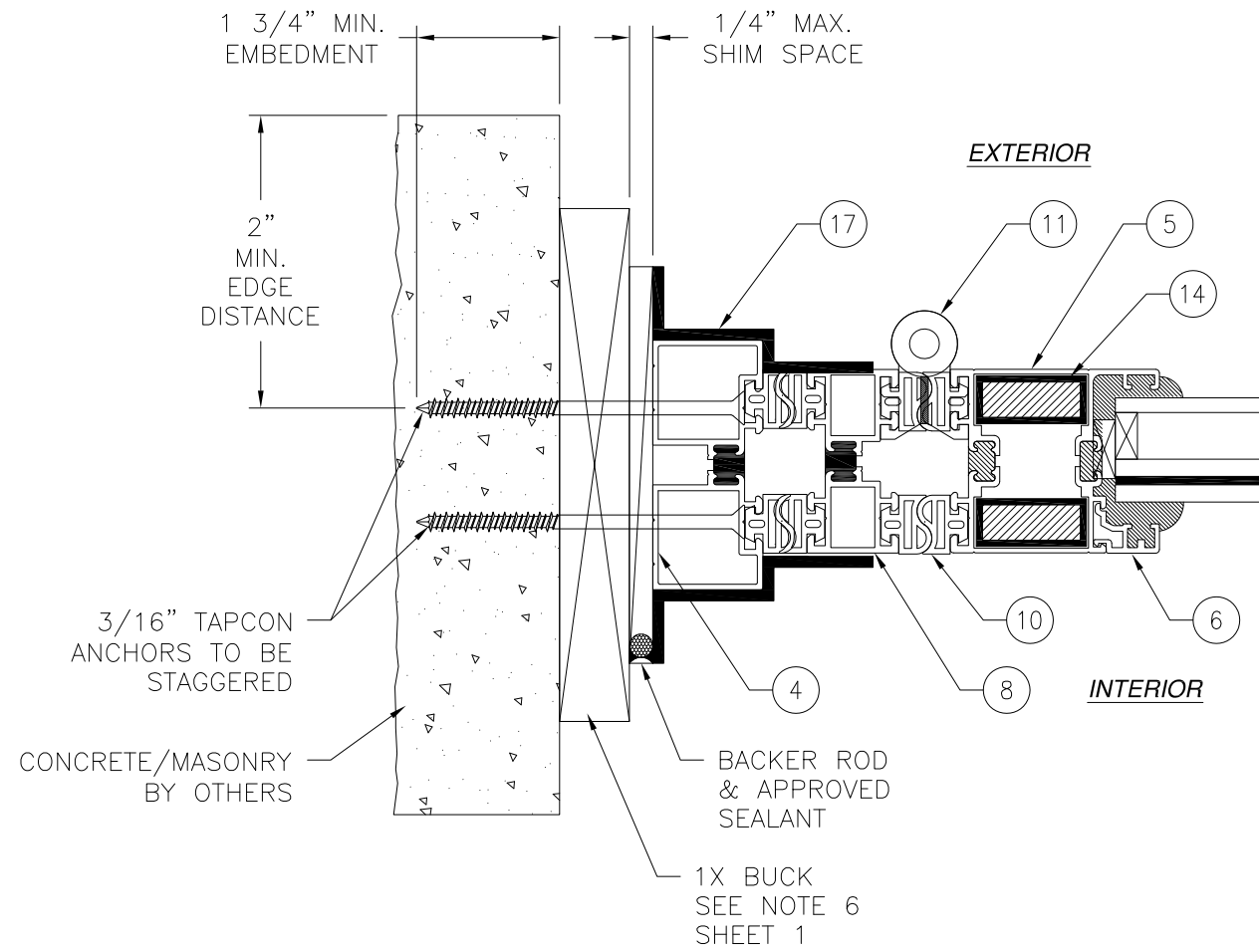
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EXTERIOR INTERIOR



**VERTICAL CROSS SECTION**  
CONCRETE/MASONRY W/1X BUCK INSTALLATION

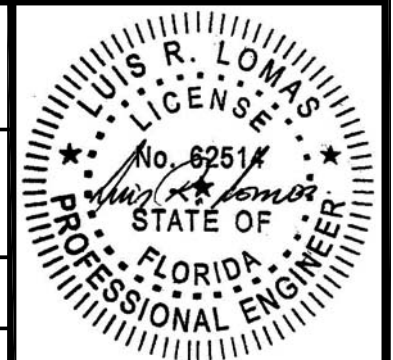


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CONCRETE/MASONRY W/1X BUCK INSTALLATION

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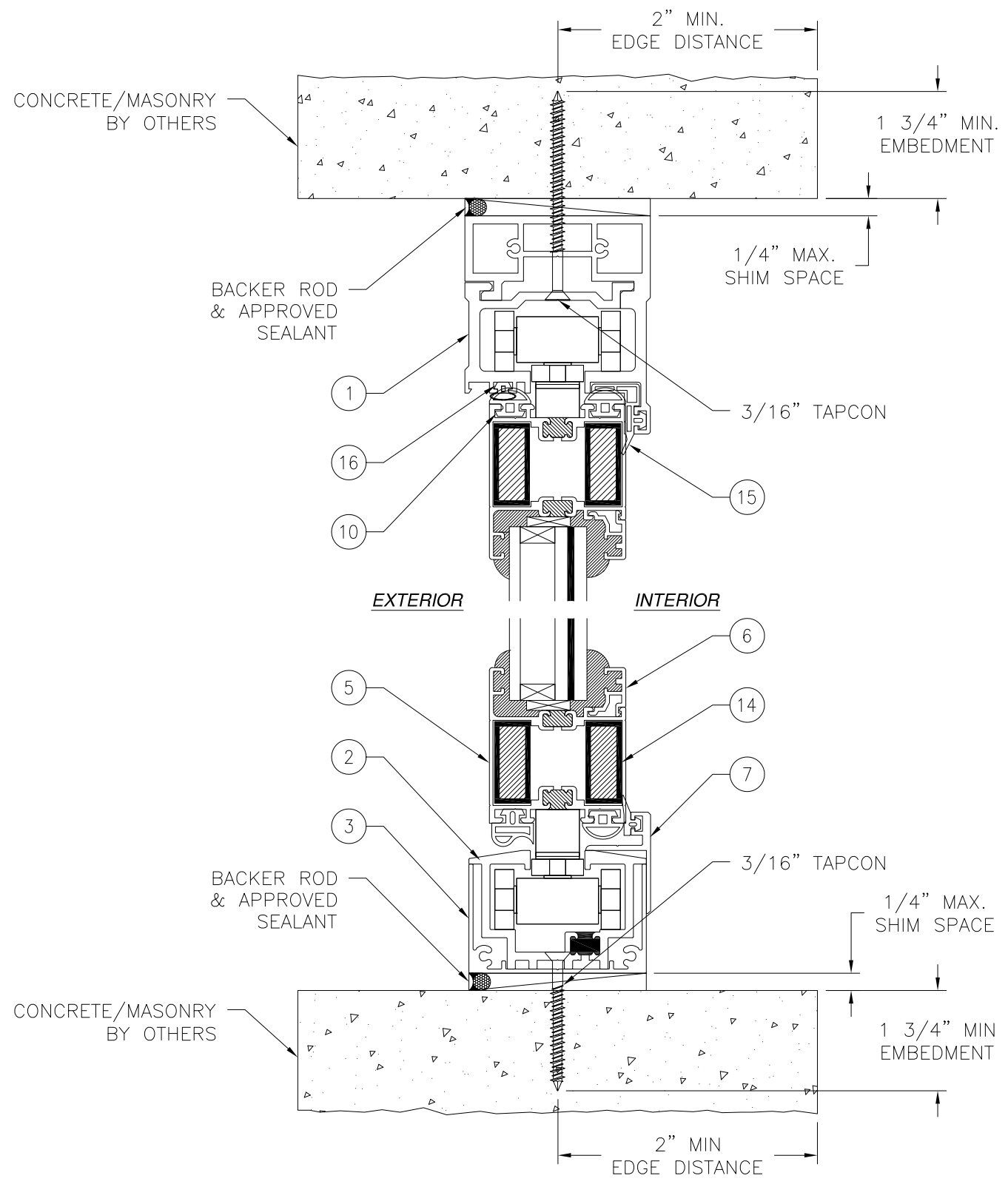
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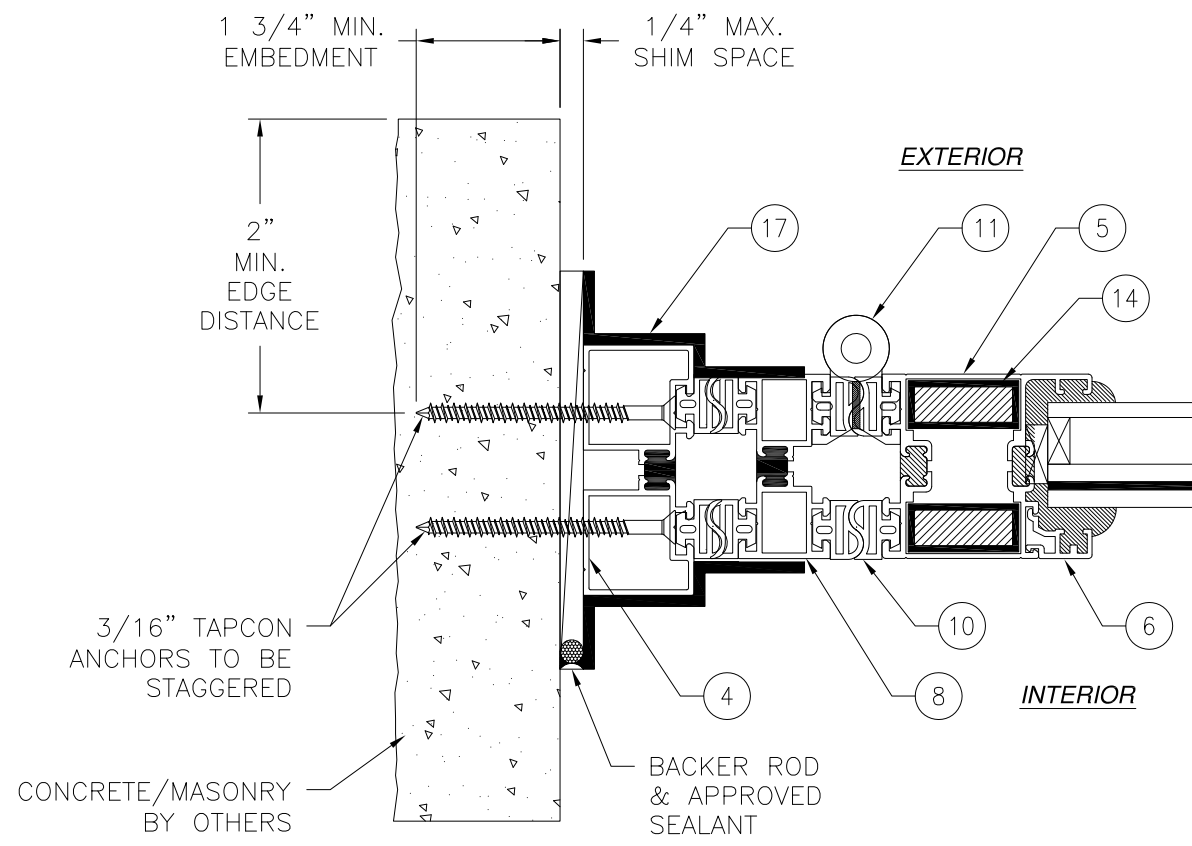


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**VERTICAL CROSS SECTION**  
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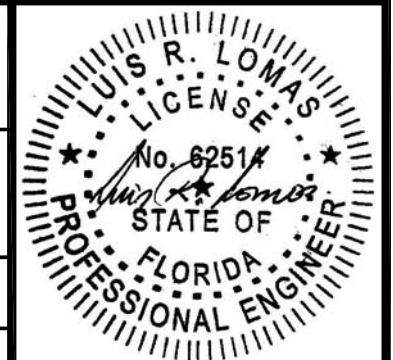


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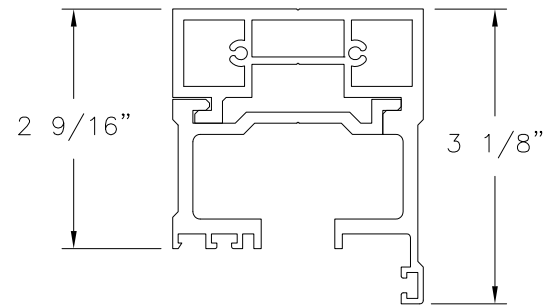
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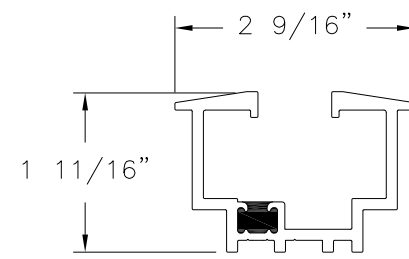
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BILL OF MATERIALS		
ITEM NO.:	DESCRIPTION	MATERIAL
1	TOP TRACK	ALUMINUM
2	BOTTOM TRACK	ALUMINUM
3	BOTTOM TRACK COVER	ALUMINUM
4	SIDE FRAME	ALUMINUM
5	DOOR FRAME	ALUMINUM
6	GLASS RETAINING STRIP	ALUMINUM
7	WINDOW FLANGE	ALUMINUM
8	SLIDE BAR	ALUMINUM
9	HANDLE	ZINC
10	DOOR GASKET	RUBBER
11	HINGE	ALUMINUM
12	MOHAIR	POLYPROPYLENE
13	BEARING SET	STAINLESS STEEL
14	TWIN CORE	ALUMINUM
15	TOP TRACK GASKET	RUBBER
16	O SHAPE GASKET	RUBBER
17	L BRACKET	ALUMINUM

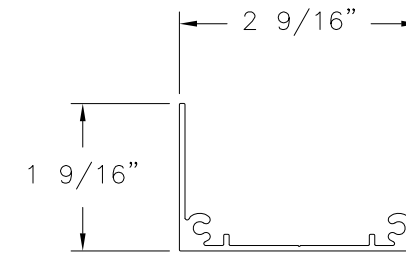
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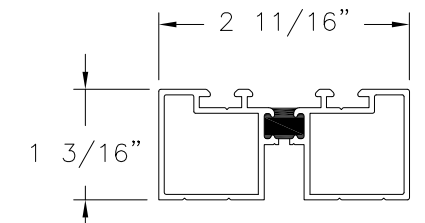
① **TOP TRACK**  
ALUMINUM 6063-T5



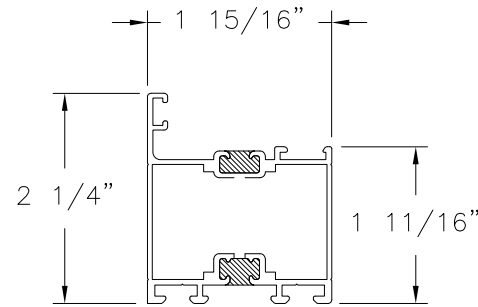
② **BOTTOM TRACK**  
ALUMINUM 6063-T5



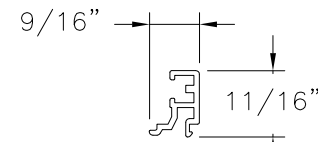
③ **BOTTOM TRACK COVER**  
ALUMINUM 6063-T5



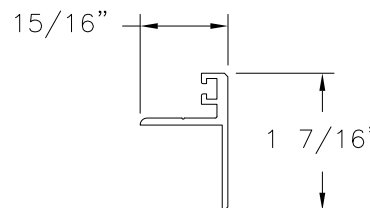
④ **SIDE FRAME**  
ALUMINUM 6063-T5



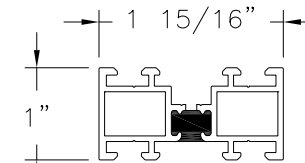
⑤ **DOOR FRAME**  
ALUMINUM 6063-T5



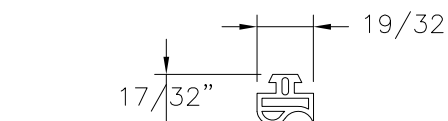
⑥ **GLASS RETAINING STRIP**  
ALUMINUM 6063-T5



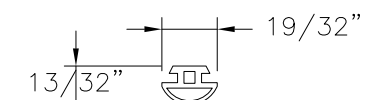
⑦ **WINDOW FLANGE**  
ALUMINUM 6063-T5



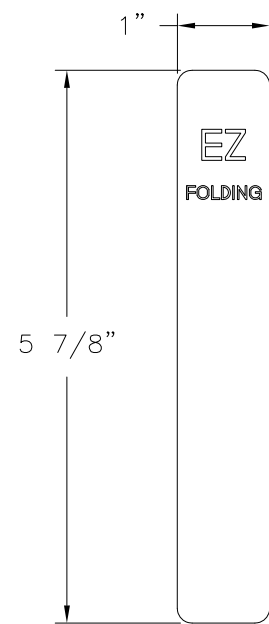
⑧ **SLIDE BAR**  
ALUMINUM 6063-T5



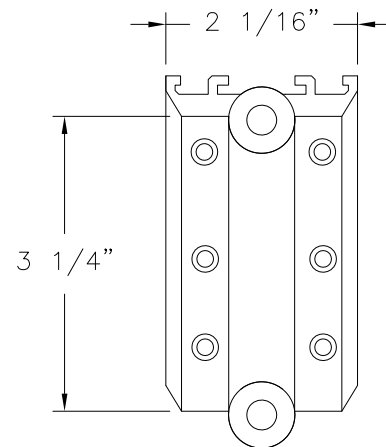
⑩ **SIDE DOOR GASKET**  
RUBBER



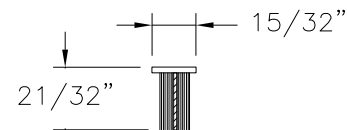
⑩ **TOP DOOR GASKET**  
RUBBER



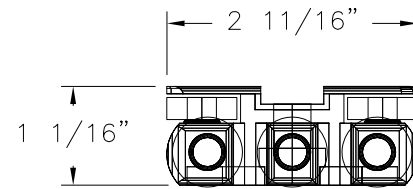
⑨ **HANDLE**  
ZINC



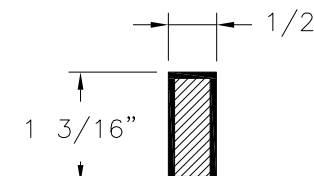
⑪ **HINGE**  
ALUMINUM 6063-T5



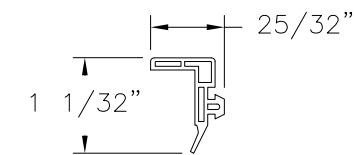
⑫ **MOHAIR**  
POLYPROPYLENE



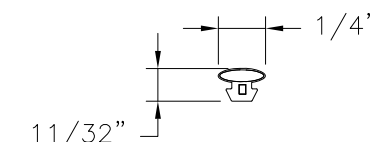
⑬ **TOP AND BOTTOM BEARING SET**  
STAINLESS STEEL



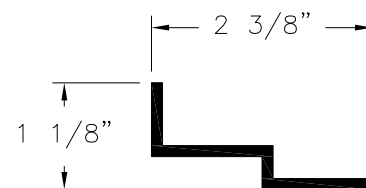
⑭ **TWIN CORE**  
ALUMINUM 6063-T5



⑮ **TOP TRACK GASKET**  
RUBBER



⑯ **O SHAPE GASKET**  
RUBBER



⑰ **L BRACKET**  
ALUMINUM 6063-T5

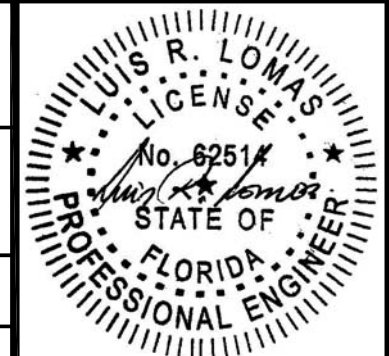
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