

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

NOTES:

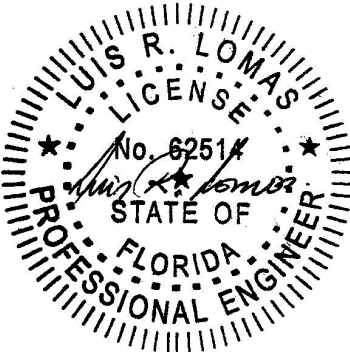
1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE FLORIDA BUILDING CODE INCLUDING THE HVHZ.
2. WOOD FRAMING METAL STRUCTURE AND MASONRY OPENING TO BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO STRUCTURE. FRAMING AND MASONRY OPENING IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
3. WHERE SHIM OR BUCK THICKNESS IS LESS THAN 1-1/2" 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:
 - 17.A. WOOD: MINIMUM SPECIFIC GRAVITY OF G=0.42
 - 17.B. CONCRETE: MINIMUM COMPRESSIVE STRENGTH OF 2,000 PSI.
 - 17.C. MASONRY: GROUT/FILLED BLOCK PER ASTM C90 WITH Fm=2,000PSI MINIMUM.
 - 17.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.

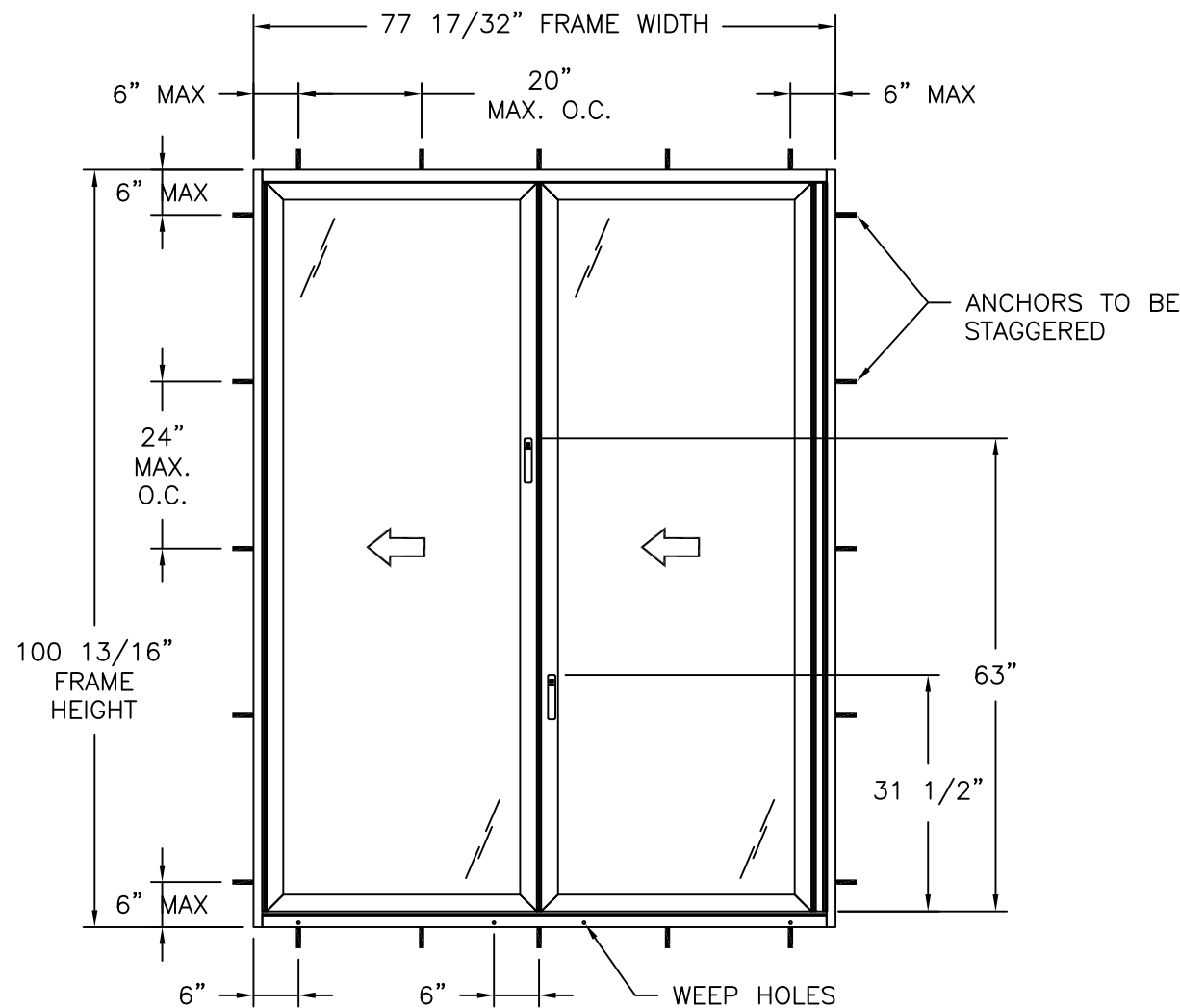
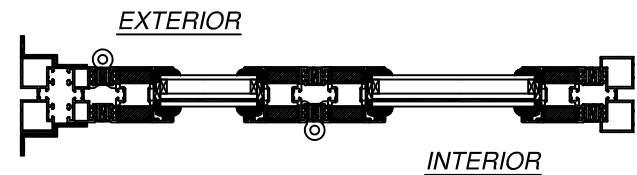
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8	COMPONENTS

E6 GLOBAL IPA, LLC 12-1394, 369 GANGNAM-DAERO, SEOCHO-GU SEOUL 06621, SOUTH KOREA		
FD54 TWIN CORE ALUMINUM BIFOLD DOOR IMPACT HVHZ NOTES		
DRAWN: R.L.	DWG NO. 08-04174	REV -
SCALE NTS	DATE 09/19/25	SHEET 1 OF 8
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

SIGNED: 10/09/2025



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



FD54 TWIN CORE ALUMINUM BIFOLD DOOR
INTERIOR VIEW

WITH GLASS A

DESIGN PRESSURE RATING	IMPACT RATING
±60.0PSF	LARGE & SMALL MISSILE IMPACT

MISSILE LEVEL D, WIND ZONE 4 AND HVHZ

WITH GLASS B

DESIGN PRESSURE RATING	IMPACT RATING
±50.0PSF	LARGE & SMALL MISSILE IMPACT

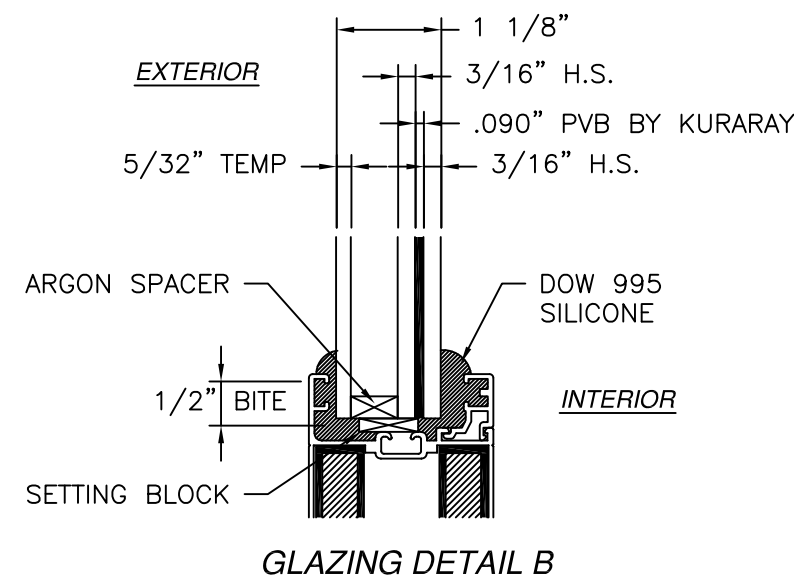
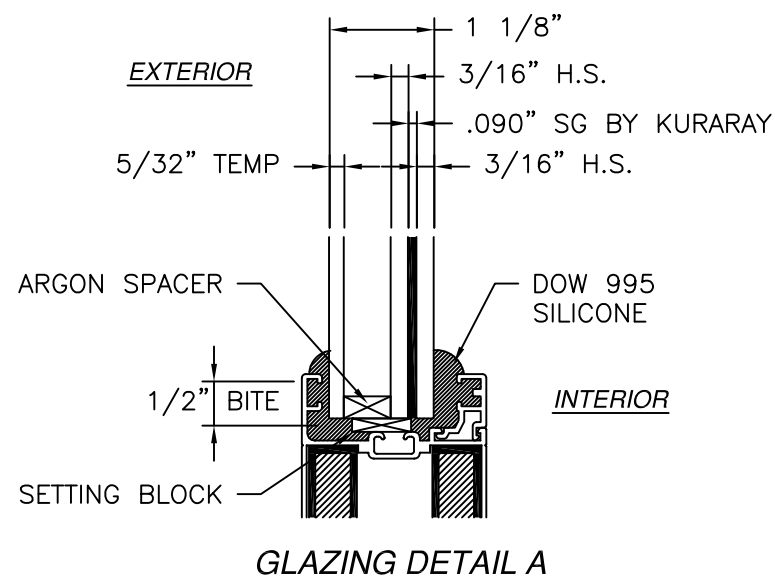
MISSILE LEVEL D, WIND ZONE 4 AND HVHZ

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

NOTES:

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



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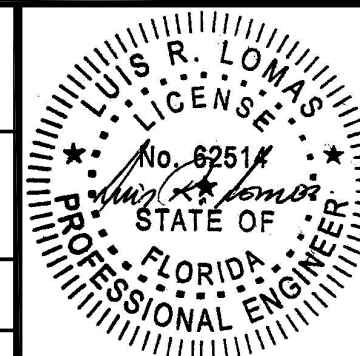
12-1394, 369 GANGNAM-DAERO, SEOCHO-GU
SEOUL 06621, SOUTH KOREA

FD54 TWIN CORE ALUMINUM BIFOLD DOOR
IMPACT HVHZ
ELEVATION

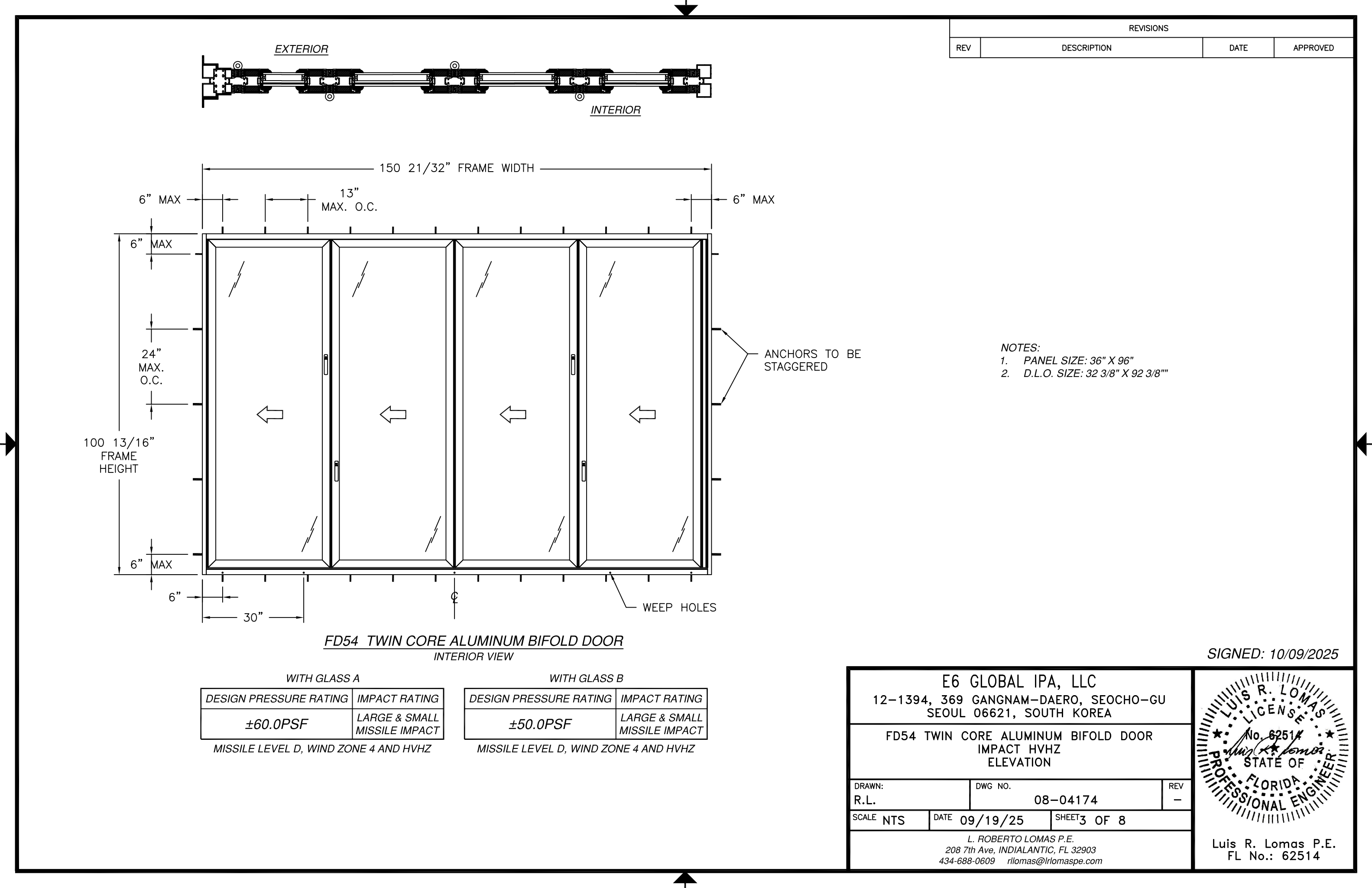
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±60.0PSF	LARGE & SMALL MISSILE IMPACT
MISSILE LEVEL D, WIND ZONE 4 AND HVHZ	

WITH GLASS B	
DESIGN PRESSURE RATING	IMPACT RATING
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MISSILE LEVEL D, WIND ZONE 4 AND HVHZ	

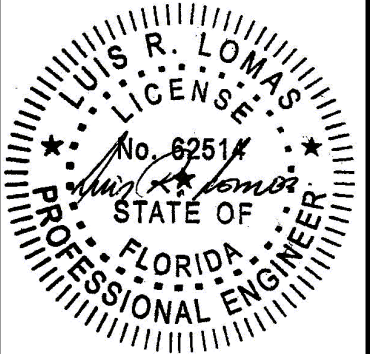
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ELEVATION

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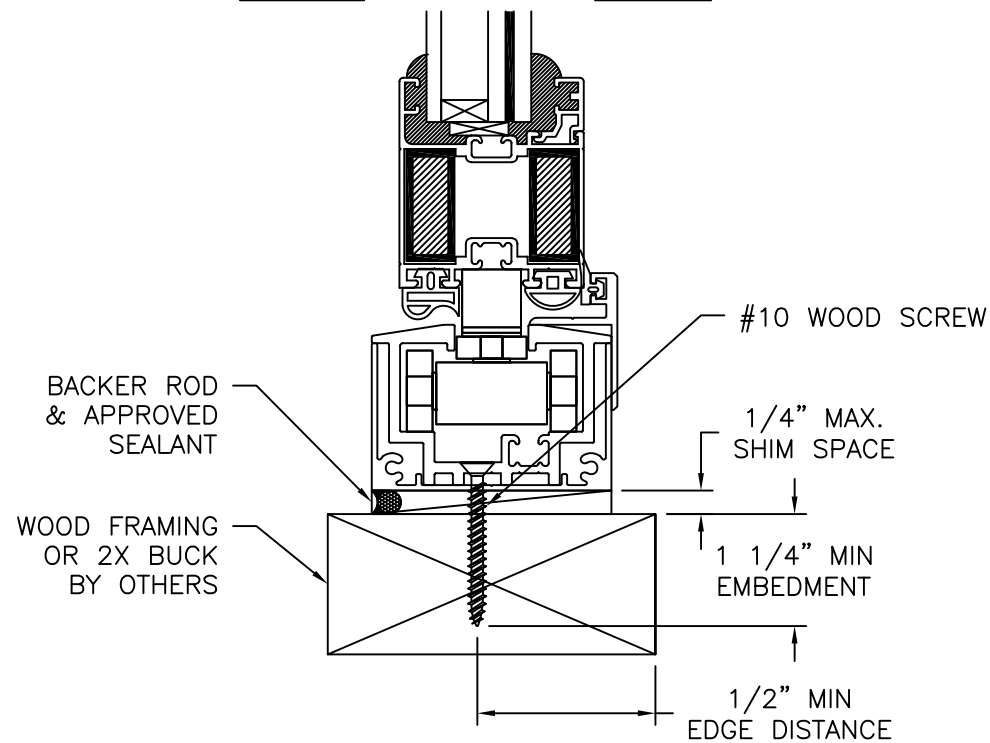
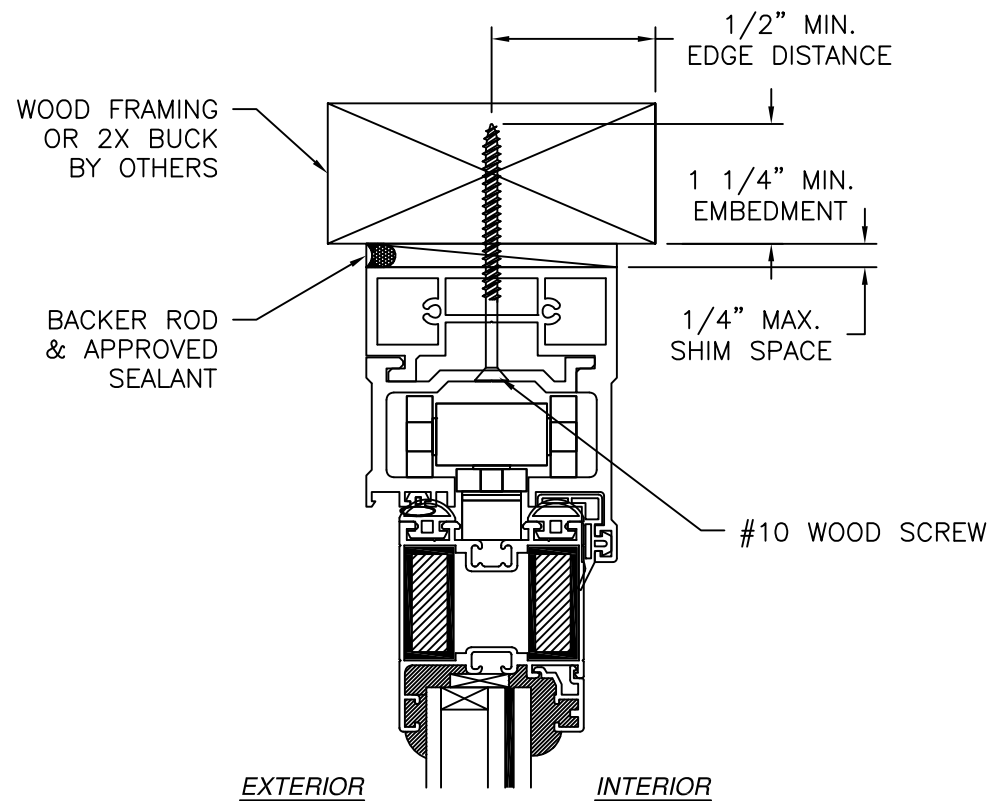
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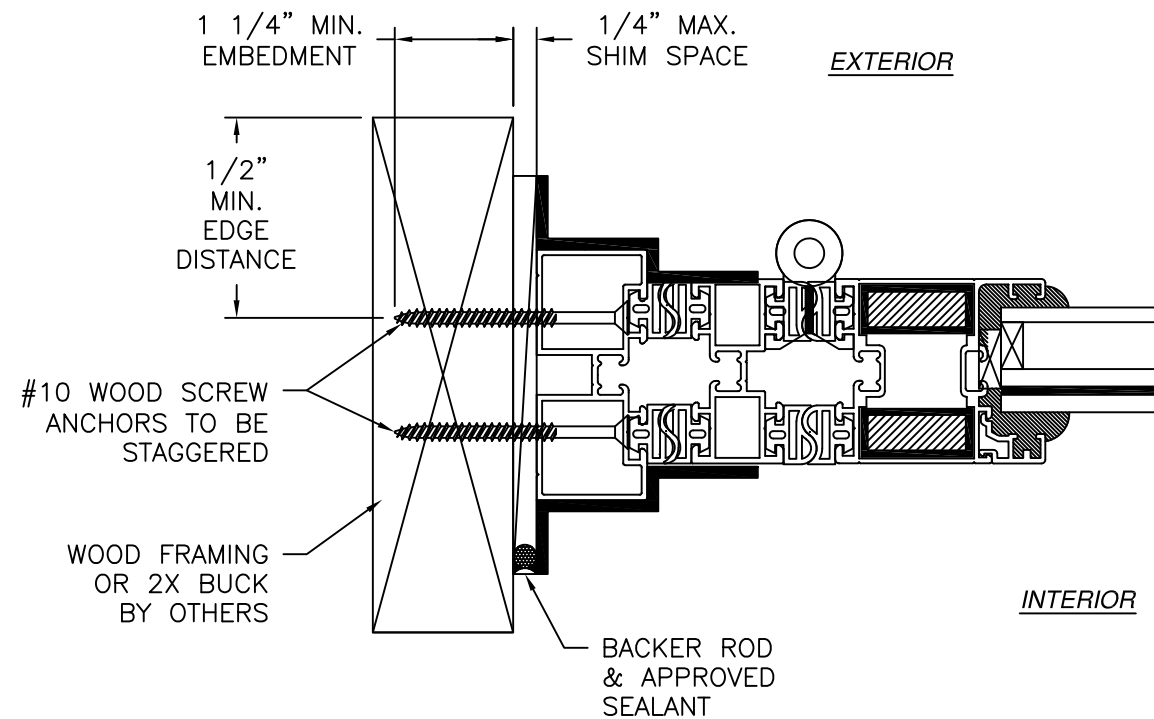


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VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION



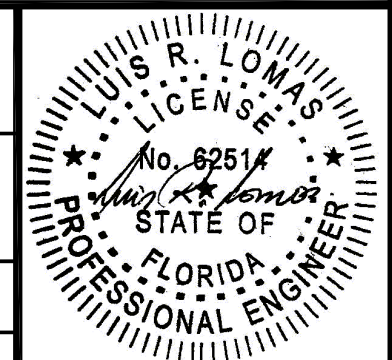
JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

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

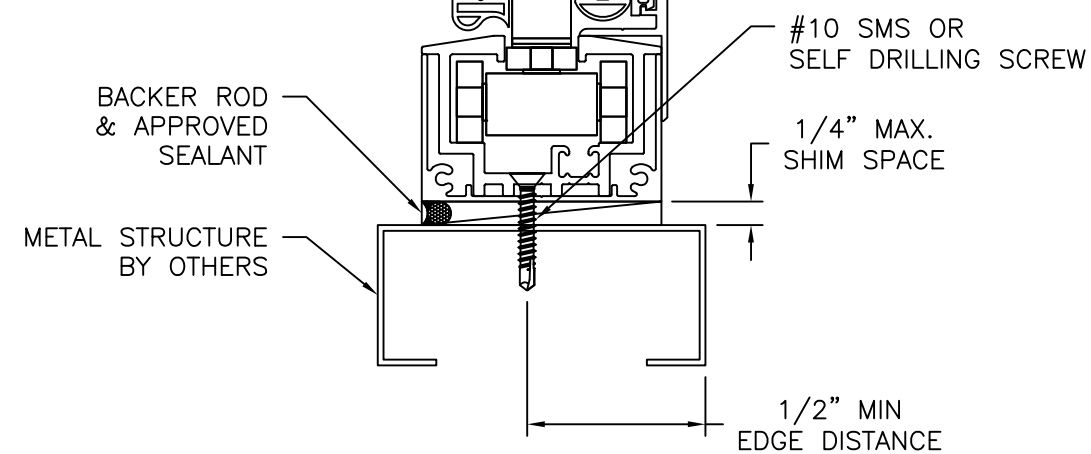
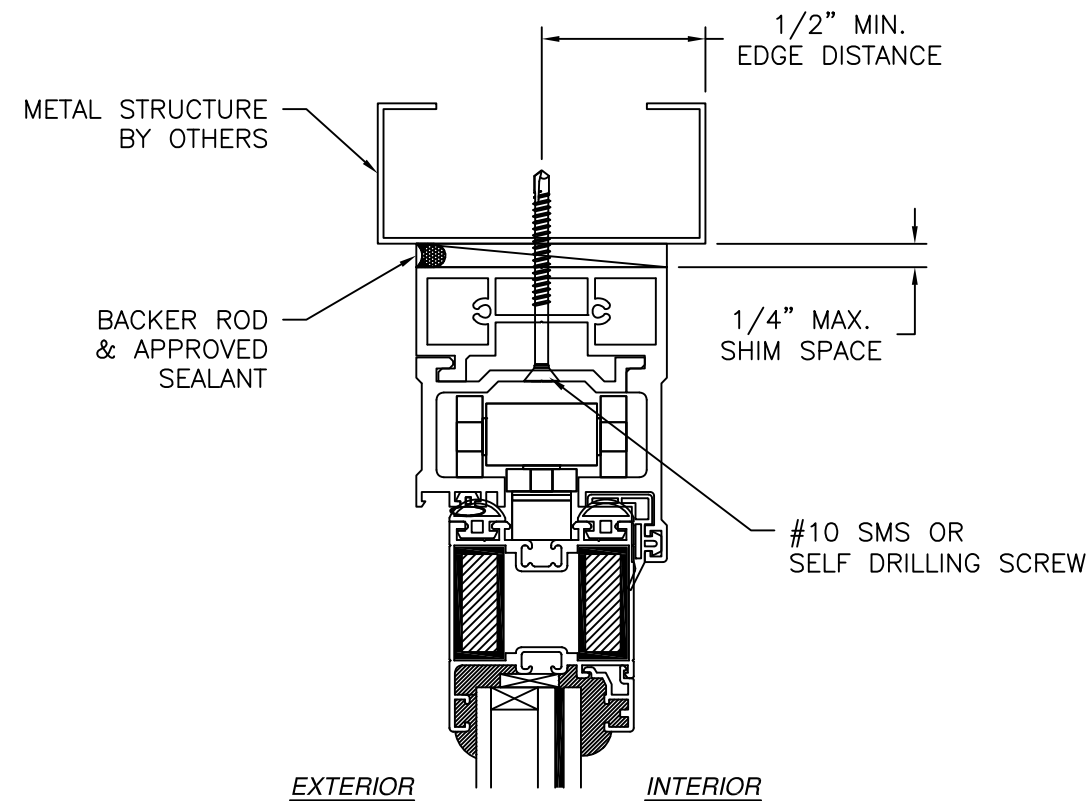
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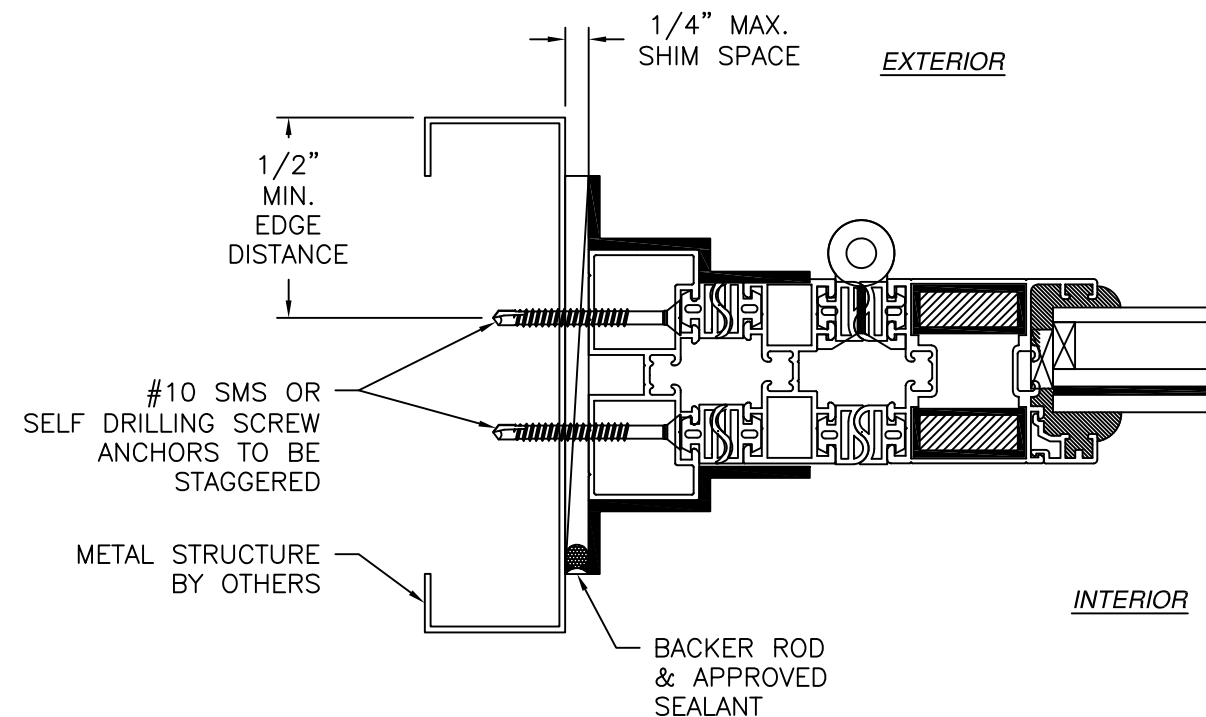


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VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION



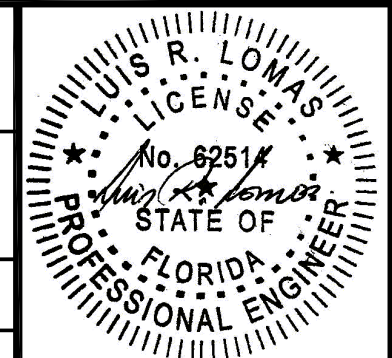
JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION

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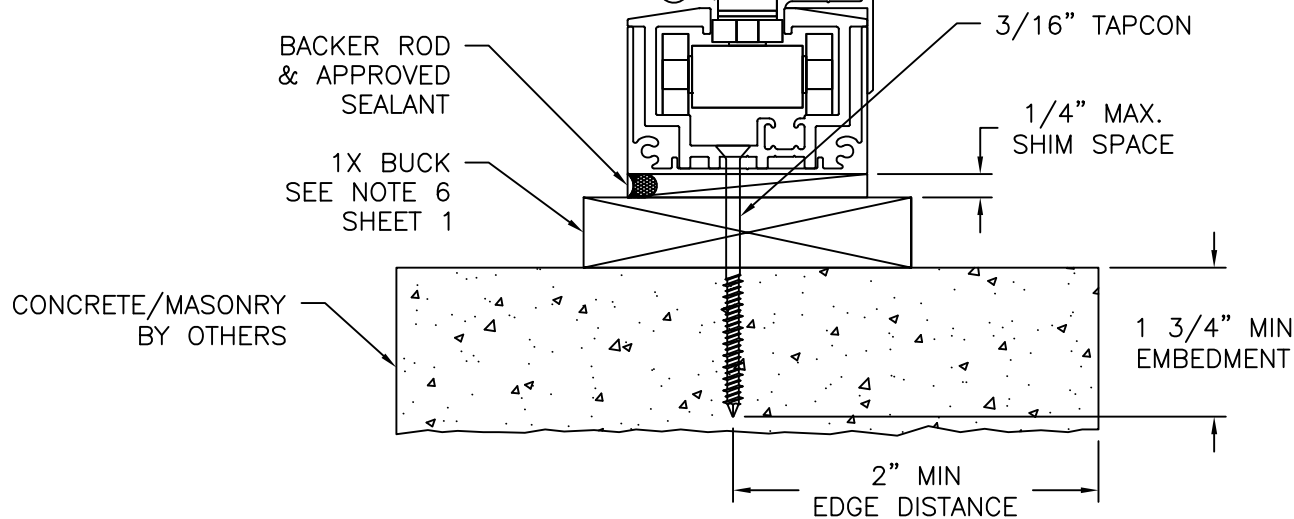
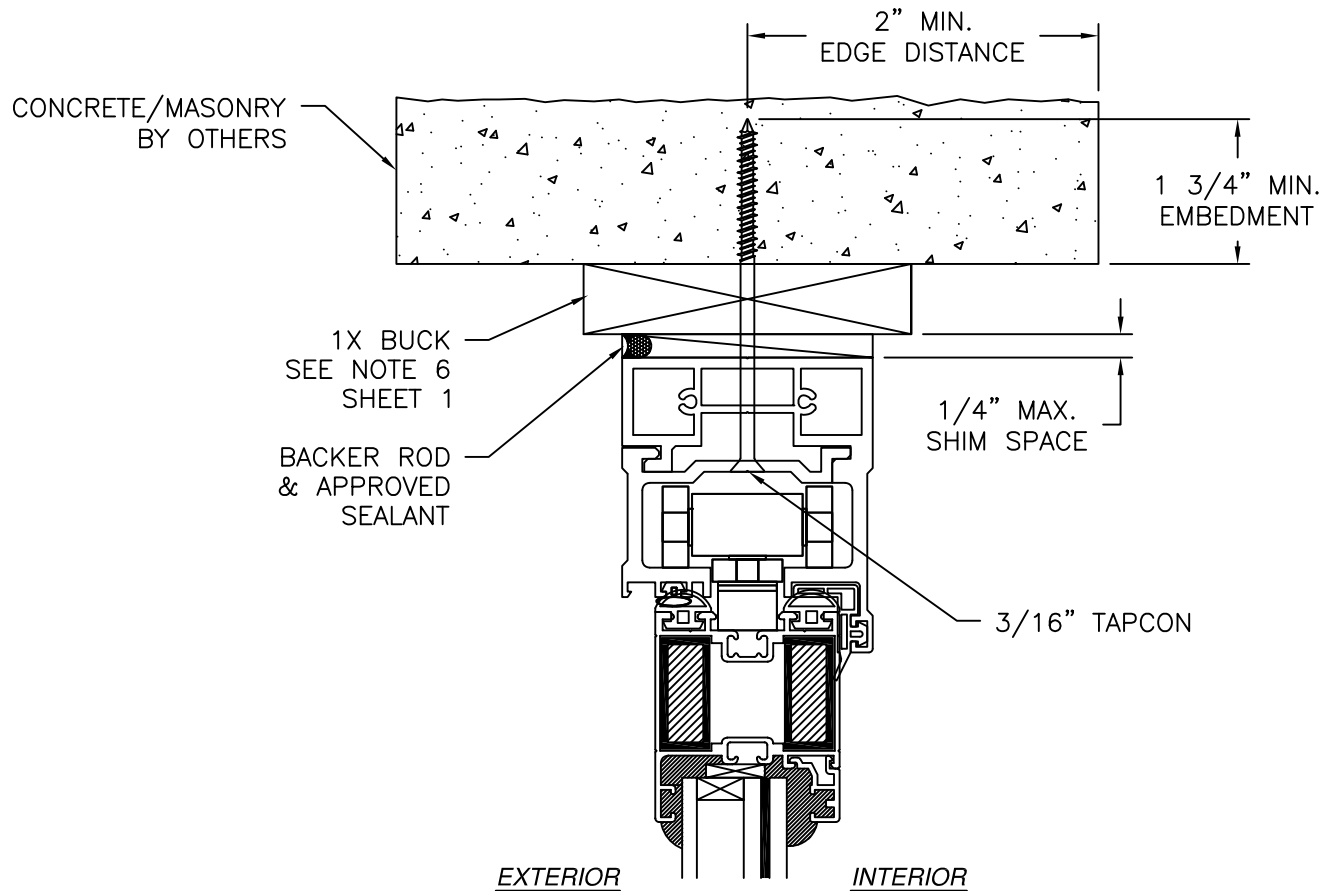
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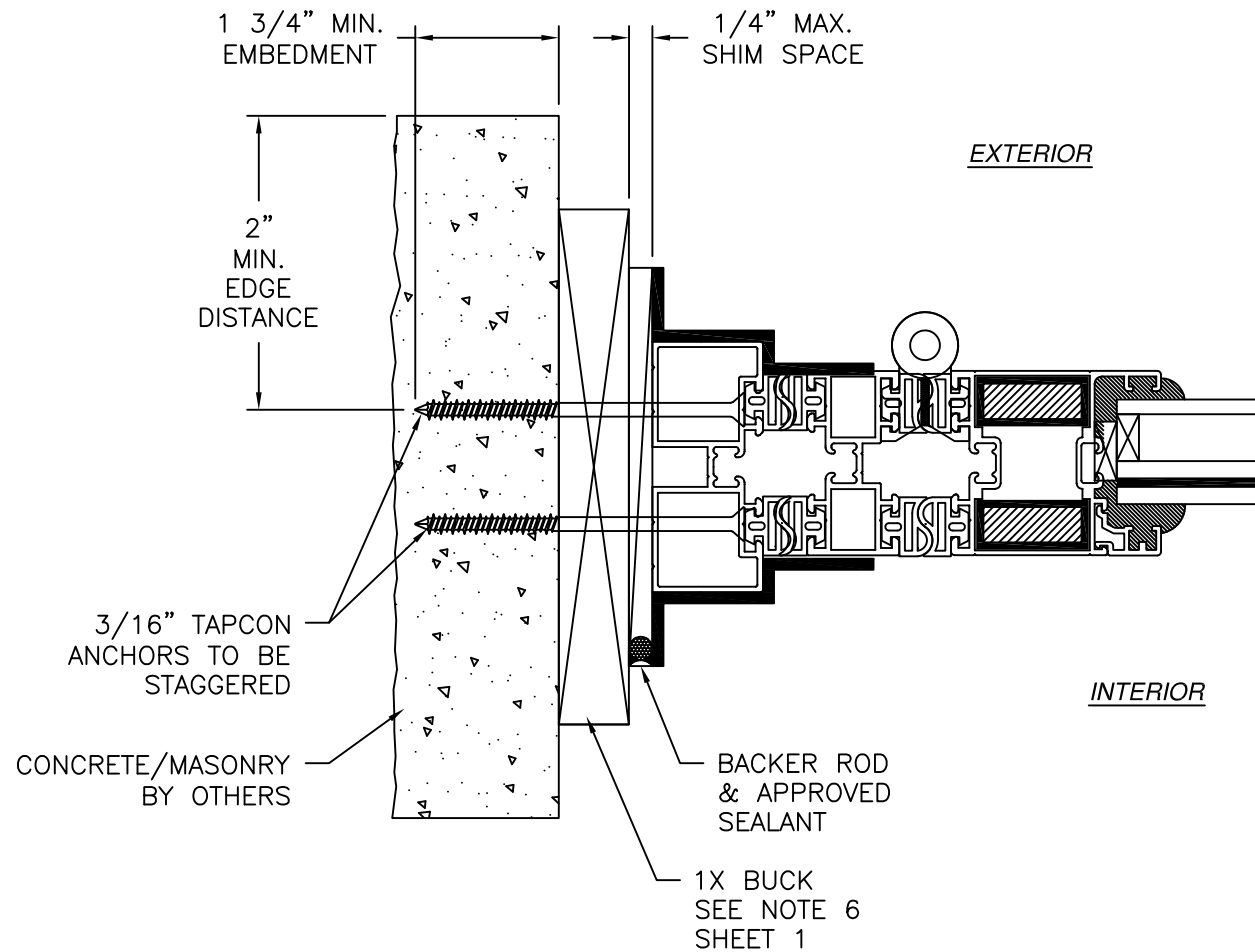


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VERTICAL CROSS SECTION
CONCRETE/MASONRY W/1X BUCK INSTALLATION

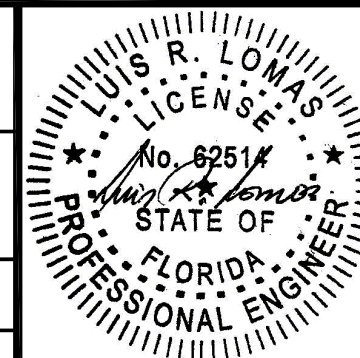


JAMB INSTALLATION DETAIL
CONCRETE/MASONRY W/1X BUCK INSTALLATION

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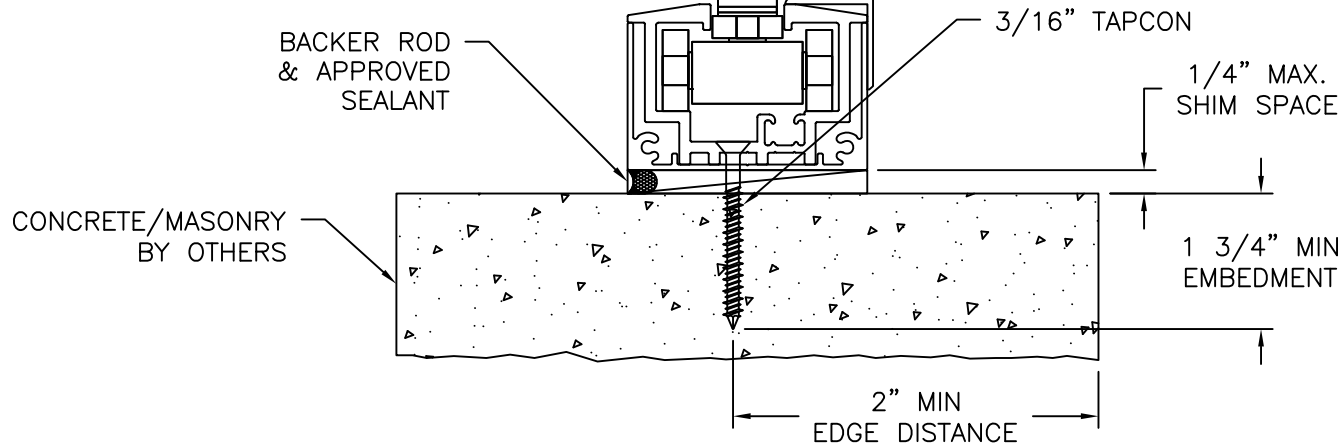
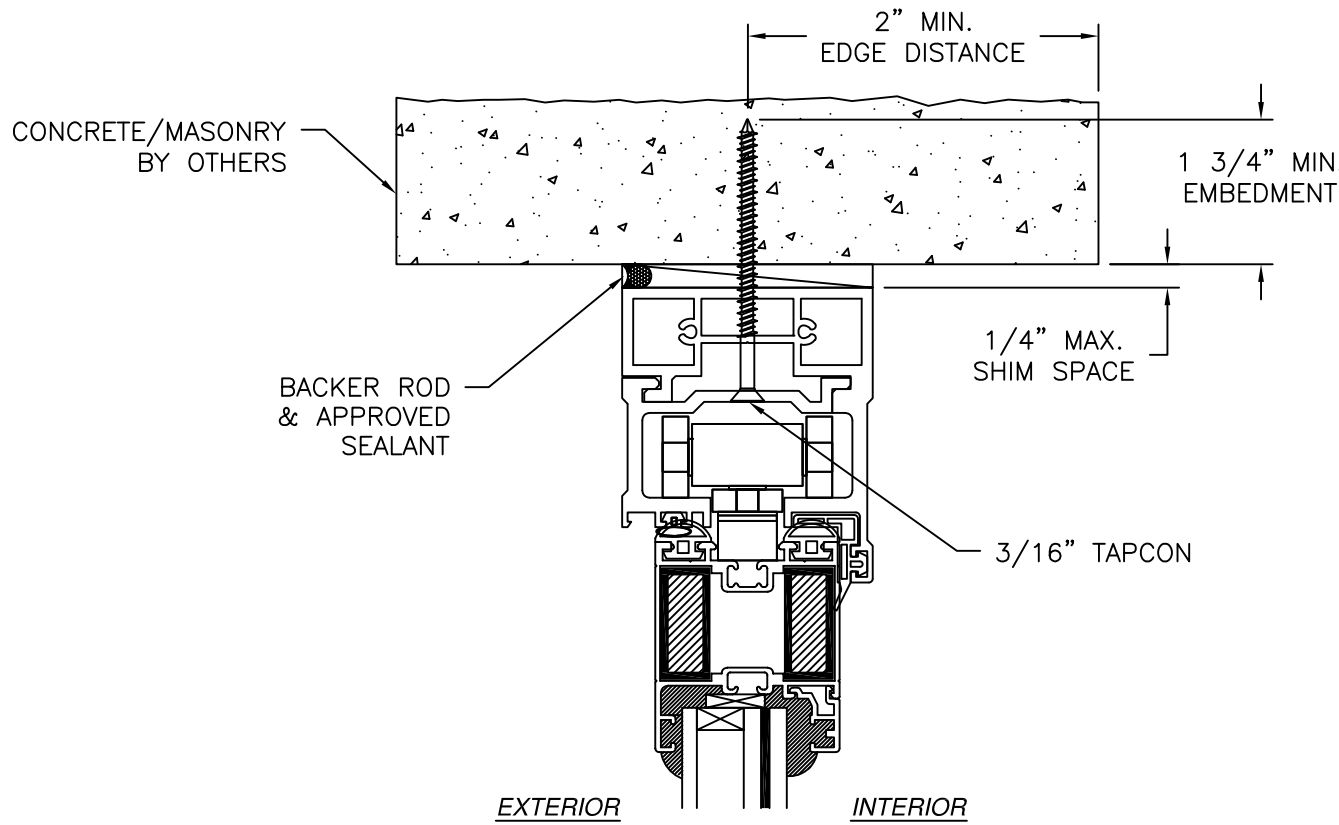
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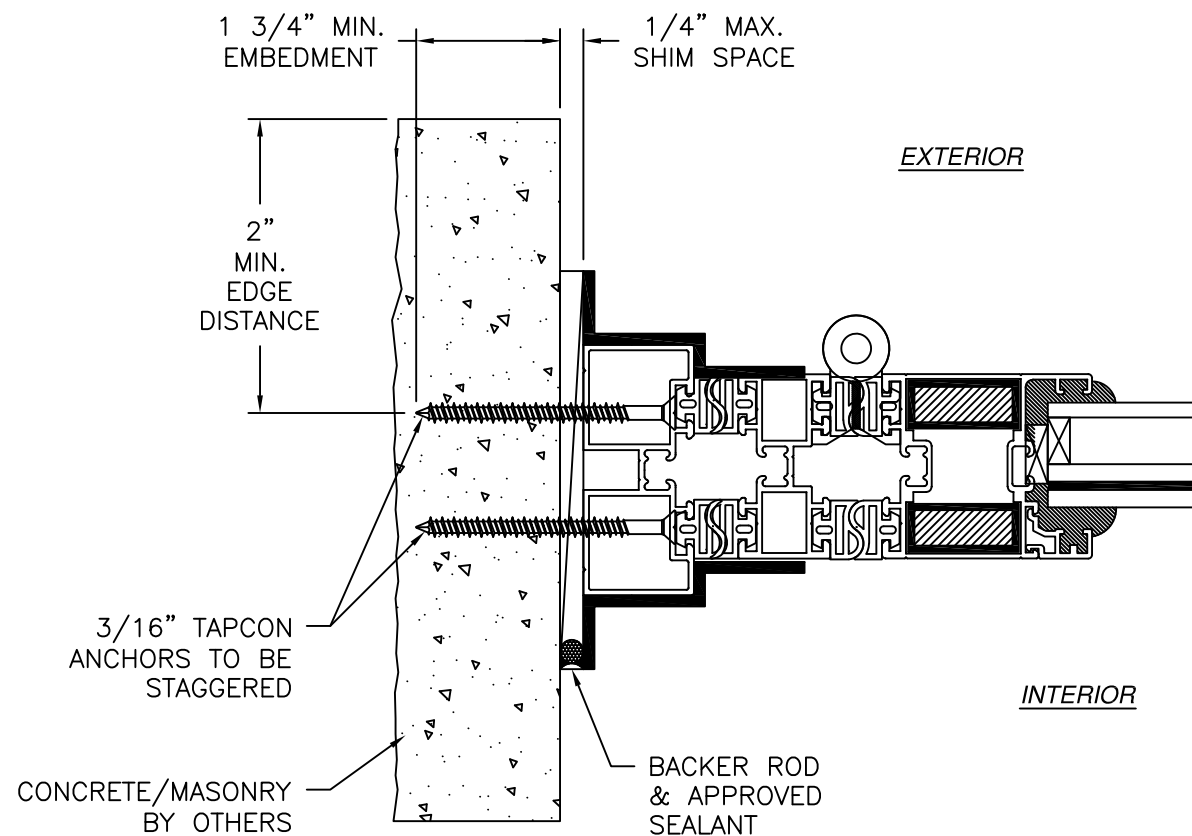


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SEOUL 06621, SOUTH KOREA

FD54 TWIN CORE ALUMINUM BIFOLD DOOR
IMPACT HVHZ
INSTALLATON DETAILS

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DWG NO. 08-04174

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SHEET 7 OF 8

L. ROBERTO LOMAS P.E.

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LUIS R. LOMAS

LICENSE

No. 62514

STATE OF

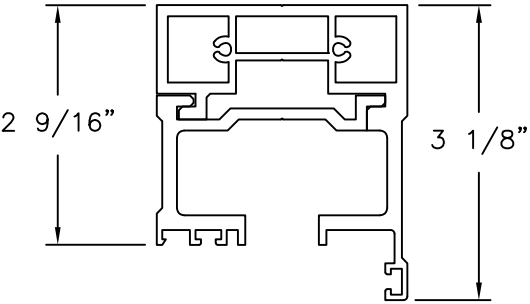
FLORIDA

PROFESSIONAL ENGINEER

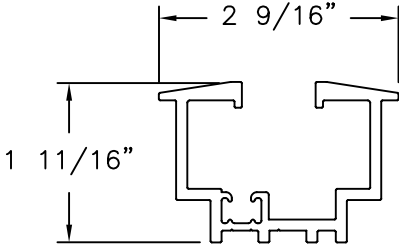
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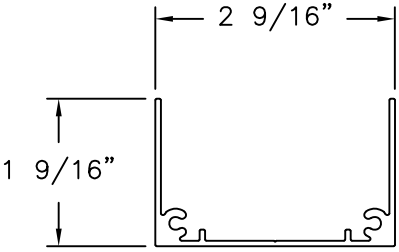
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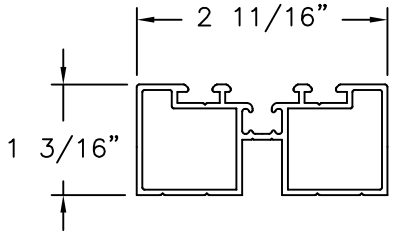
TOP TRACK
ALUMINUM 6063-T5



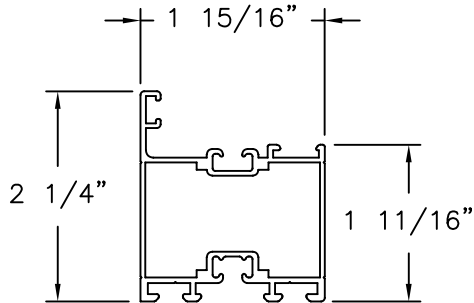
BOTTOM TRACK
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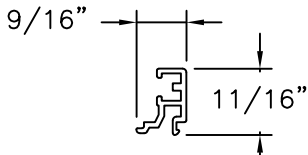
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ALUMINUM 6063-T5



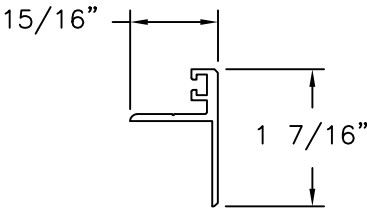
SIDE FRAME
ALUMINUM 6063-T5



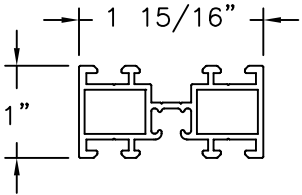
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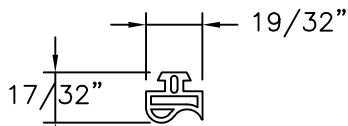
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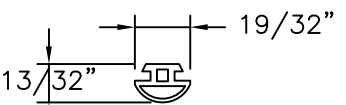
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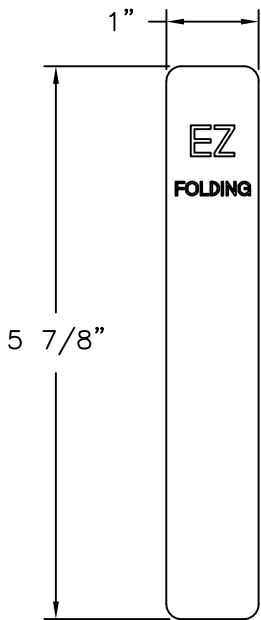
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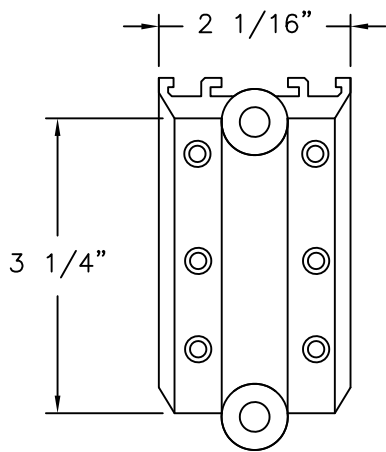
SIDE DOOR GASKET
RUBBER



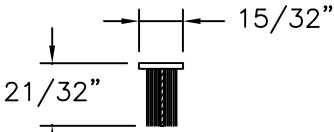
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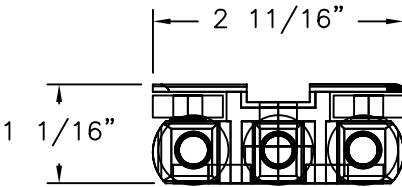
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ZINC



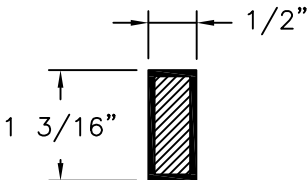
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ALUMINUM 6063-T5



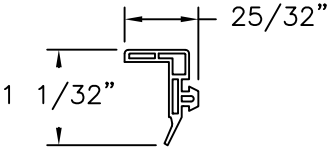
MOHAIR
POLYPROPYLENE



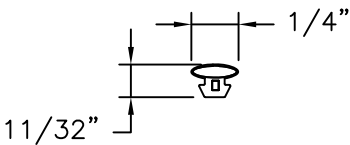
TOP AND BOTTOM BEARING SET
STAINLESS STEEL



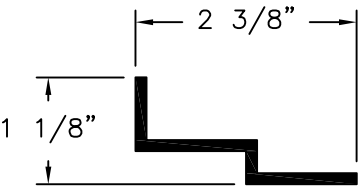
TWIN CORE
ALUMINUM 6063-T5



TOP TRACK GASKET
RUBBER



O SHAPE GASKET
RUBBER



L BRACKET
ALUMINUM 6063-T5

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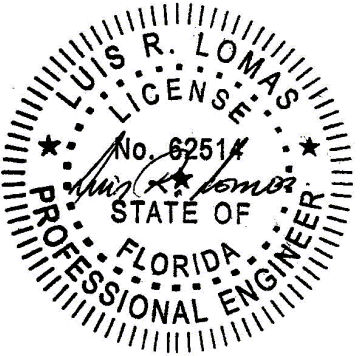
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