

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED TO ADD GLAZING DETAILS	05/26/2025	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" 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 JAMB AND HEAD MATERIAL: CO-EXTRUDED PVC 1 1/2" THICK.
12. FRAME SILL MATERIAL: CO-EXTRUDED PVC FOAM 2" THICK WITH ALUMINUM CLADDING .063 THICK.
13. DOOR PANEL AND SIDELITE MATERIAL: PVC FOAM TOP AND BOTTOM RAILS, AND PVC FOAM VERTICAL STILES WITH PINE REINFORCEMENTS AND POLYURETHANE FOAM CORE.
14. UNITS MUST BE GLAZED PER ASTM E1300, SEE SHEET 4 FOR GLASS DETAIL.
15. APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.

16. 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.
17. FOR ANCHORING THROUGH FRAME INTO MASONRY/CONCRETE USE 1/4" TAPCONS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/4" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 2" MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
18. 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.
19. ALL FASTENERS TO BE CORROSION RESISTANT.
20. 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: HOLLOW/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 .125" THICK MINIMUM
21. APPROVED CONFIGURATIONS: OX, XO AND OXXO, SEE SHEET 2.

TABLE OF CONTENTS	
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6 - 8	INSTALLATION DETAILS
9	COMPONENTS

NAN YA PLASTICS CORP. USA

8989 NORTH LOOP EAST
HOUSTON, TX 77029

SERIES SPLS GLIDING PATIO DOOR
WITH 3/4 LITE PANELS 120611 - IMPACT
OXXO ELEVATION AND NOTES

DRAWN:
A.R.

DWG NO.
08-03622

REV
A

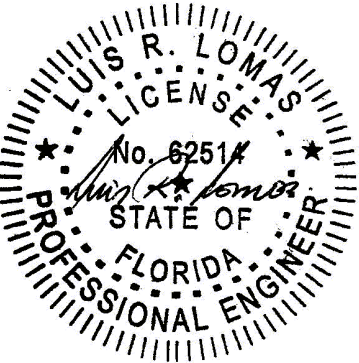
SCALE NTS

DATE 10/26/2020

SHEET 1 OF 9

L. ROBERTO LOMAS P.E.
208 7th Ave, INDIALANTIC, FL 32903
434-688-0609 rllomas@lrlomaspe.com

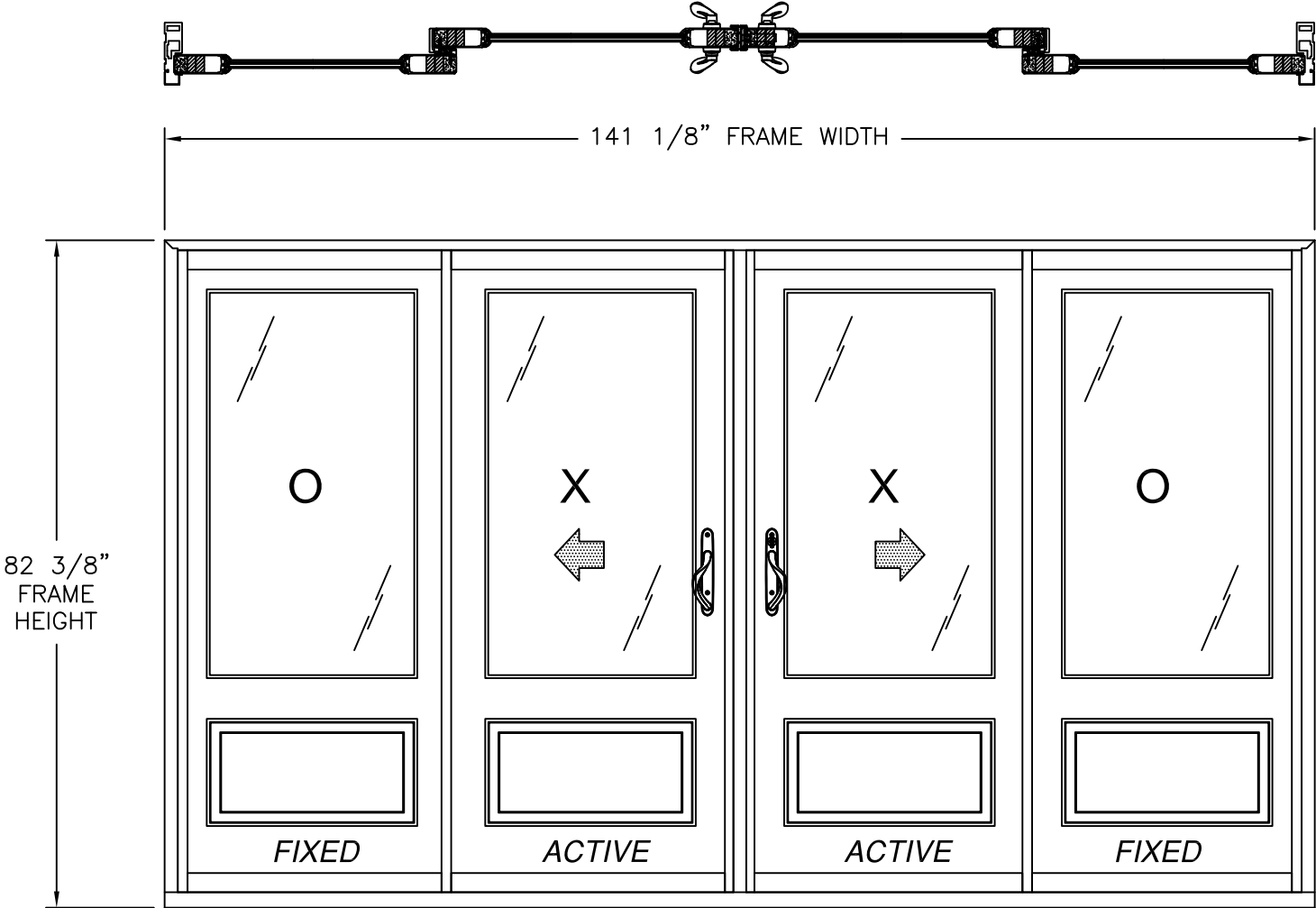
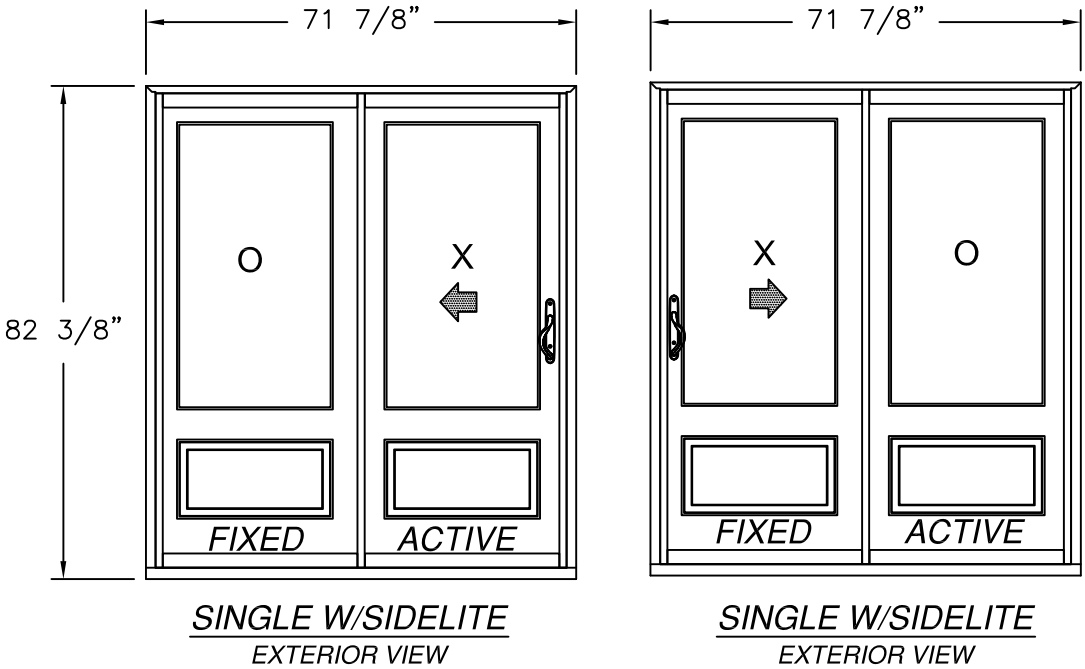
SIGNED: 06/02/2025



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

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
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- NOTES:
- PANEL SIZE: 35 3/4" X 79 1/4"
 - D.L.O.: 26" X 48"



DESIGN PRESSURE RATING	IMPACT RATING
±50.0PSF	LARGE MISSILE IMPACT

MISSILE LEVEL D, WIND ZONE 4
35 3/4" X 79 1/4" PANELS SHOWN OTHER PANEL SIZES ARE APPROVED AS LONG AS INDIVIDUAL PANEL AREA DOES NOT EXCEED 19.67 FT²

HARDWARE SCHEDULE	
A.	ONE POINT LOCKING SYSTEM
B.	(1) DIE CAST HANDLE SET PER ACTIVE PANEL
C.	(2) STAINLESS STEEL TANDEM ROLLERS PER PANEL
D.	PVC ASTRAGAL BY NAN YA PLASTICS

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WITH 3/4 LITE PANELS 120611 – IMPACT
ELEVATION

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2 OF 9

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208 7th Ave, INDIALANTIC, FL 32903
434-688-0609 rllomas@lrllomaspe.com

SIGNED: 06/02/2025

LUIS R. LOMAS

LICENSE

No. 62514

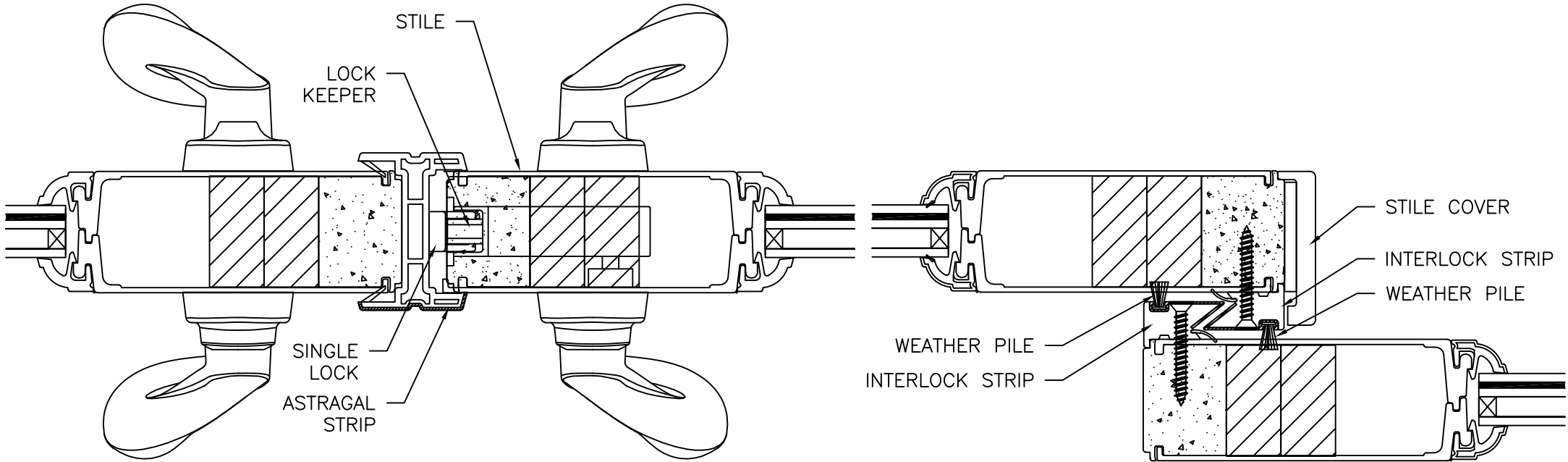
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FLORIDA

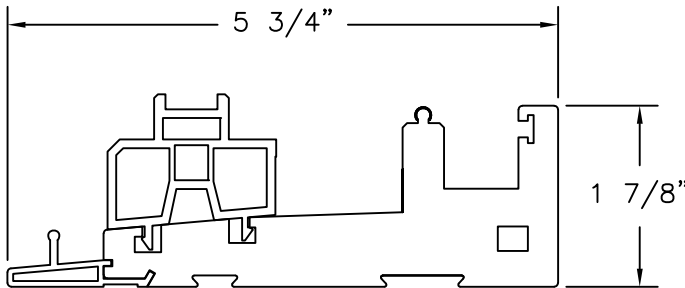
PROFESSIONAL ENGINEER

Luis R. Lomas P.E.
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ASTRAGAL AND MEETING RAIL DETAIL



DOOR SILL

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HOUSTON, TX 77029

SERIES SPLS GLIDING PATIO DOOR

WITH 3/4 LITE PANELS 120611 – IMPACT

ASTRAGAL AND MEETING RAIL DETAIL

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10/26/2020

SHEET

3

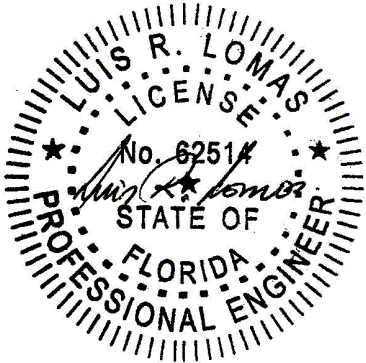
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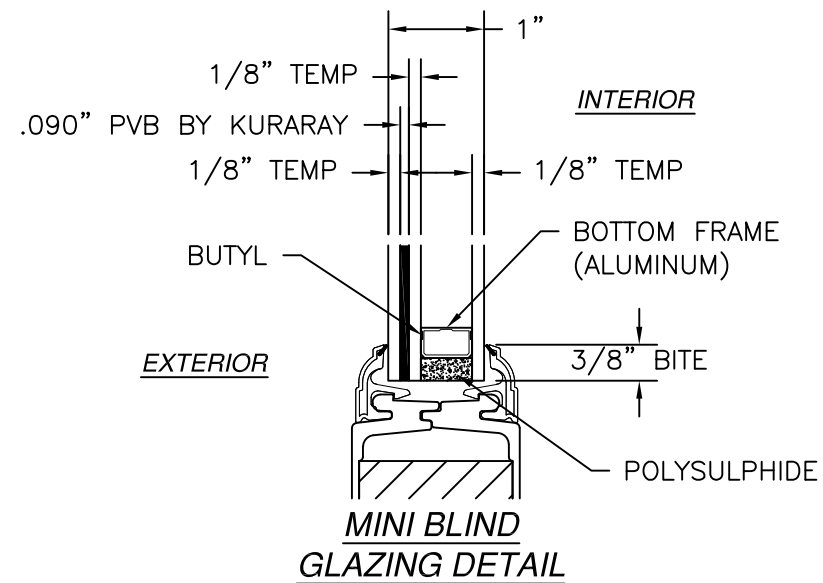
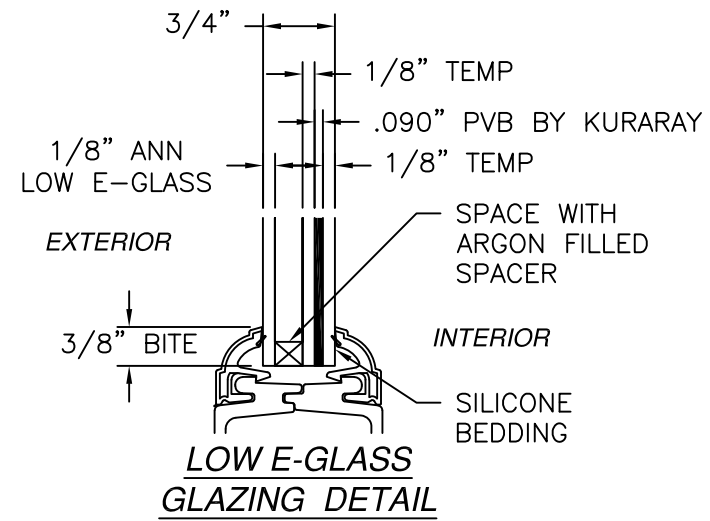
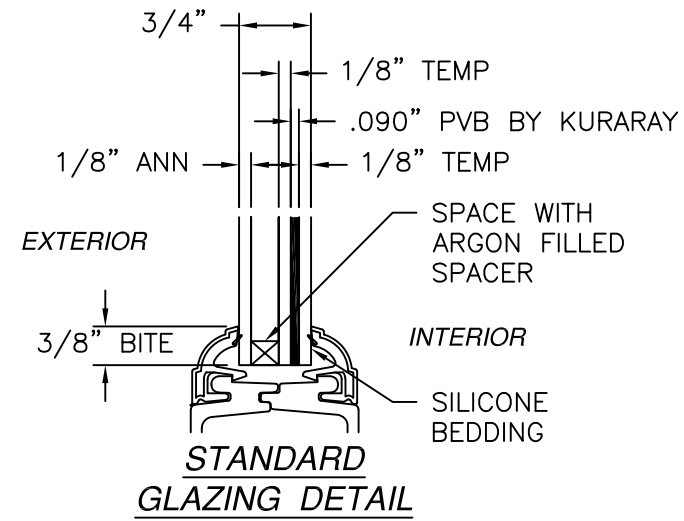
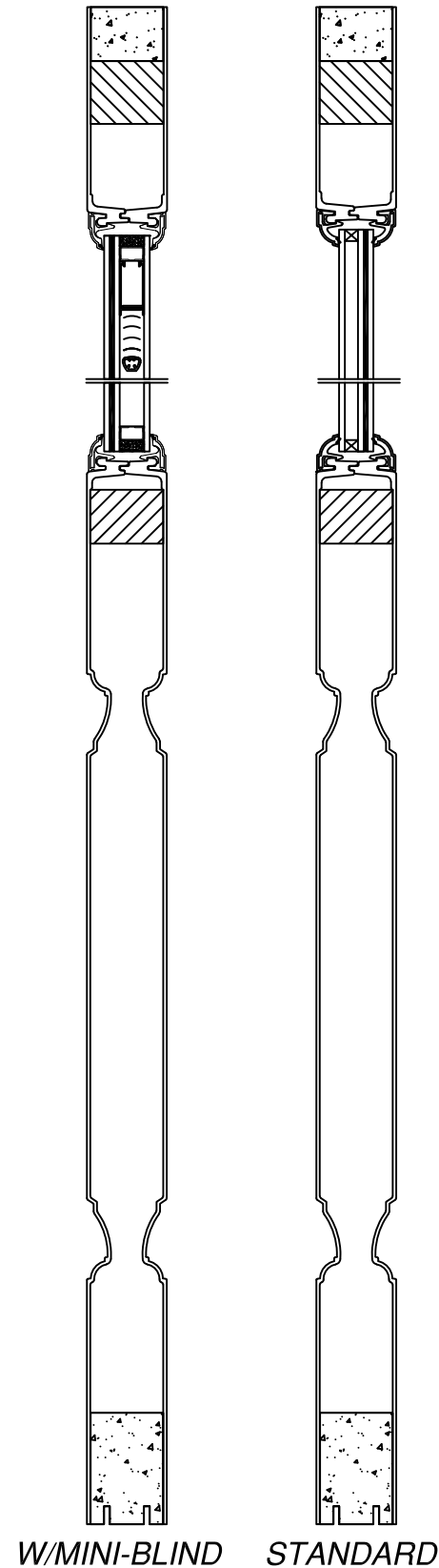
208 7th Ave, INDIALANTIC, FL 32903

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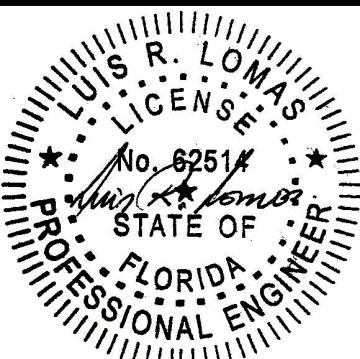
APPROVED PANEL CONFIGURATIONS



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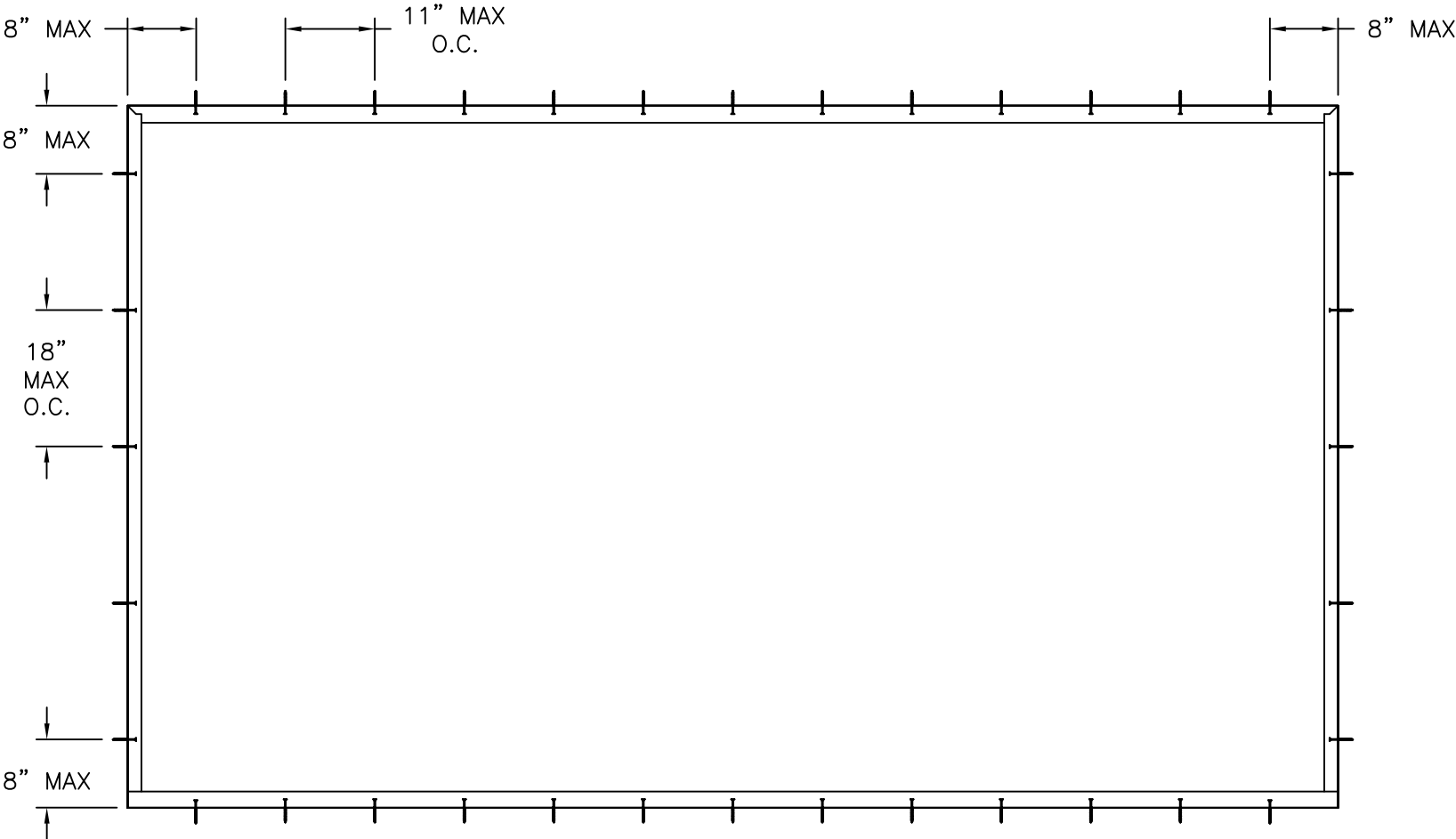
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NAN YA PLASTICS CORP. USA 8989 NORTH LOOP EAST HOUSTON, TX 77029		
SERIES SPLS GLIDING PATIO DOOR WITH 3/4 LITE PANELS 120611 - IMPACT GLAZING DETAILS		
DRAWN: A.R.	DWG NO. 08-03622	REV A
SCALE NTS	DATE 10/26/2020	SHEET 4 OF 9
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

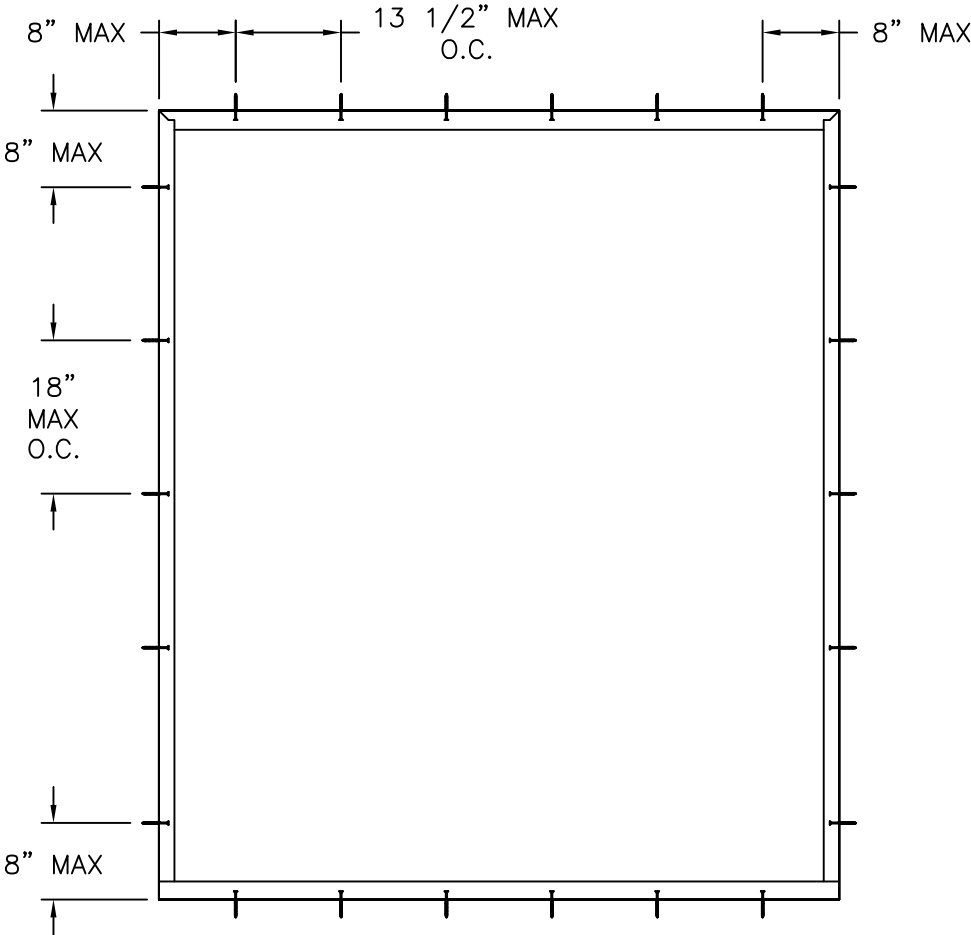


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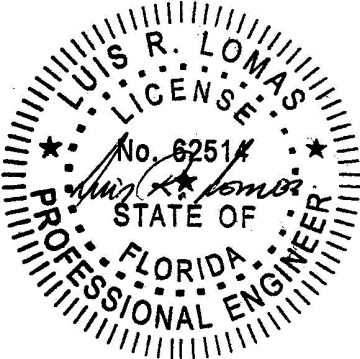
ANCHORING LAYOUT FOR DOUBLE W/SIDELITES
EXTERIOR VIEW



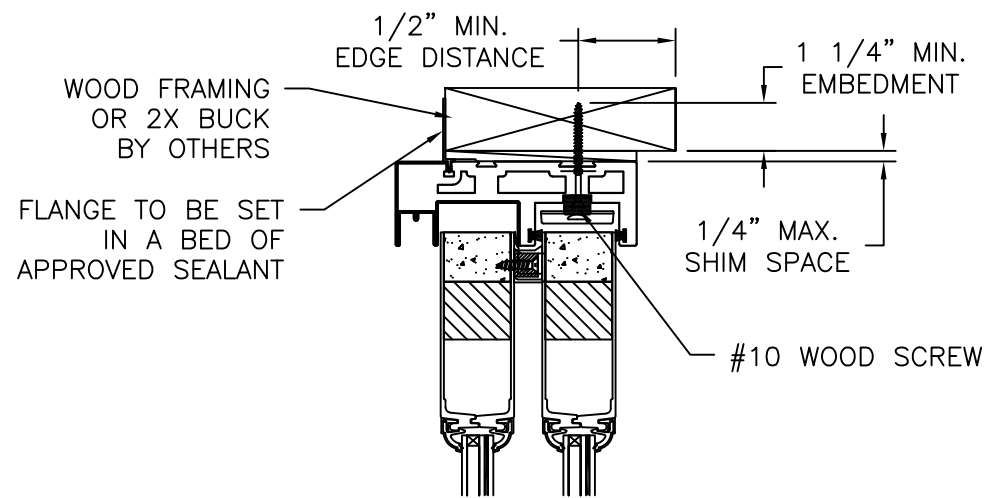
ANCHORING LAYOUT FOR SINGLE W/SIDELITE
EXTERIOR VIEW

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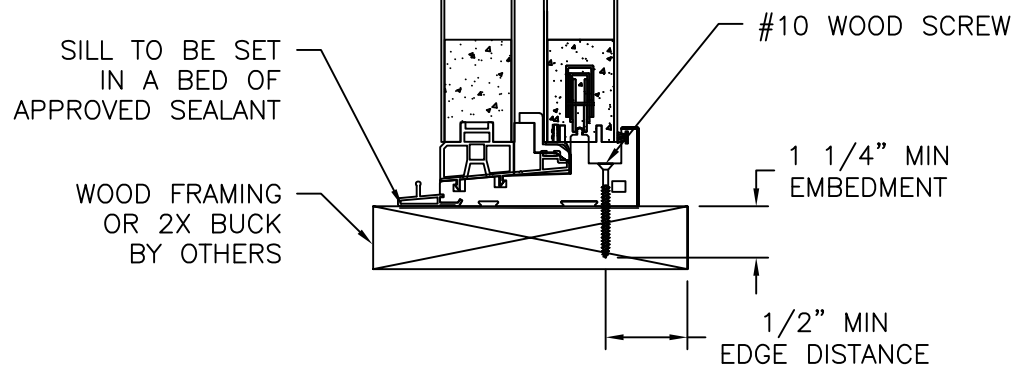


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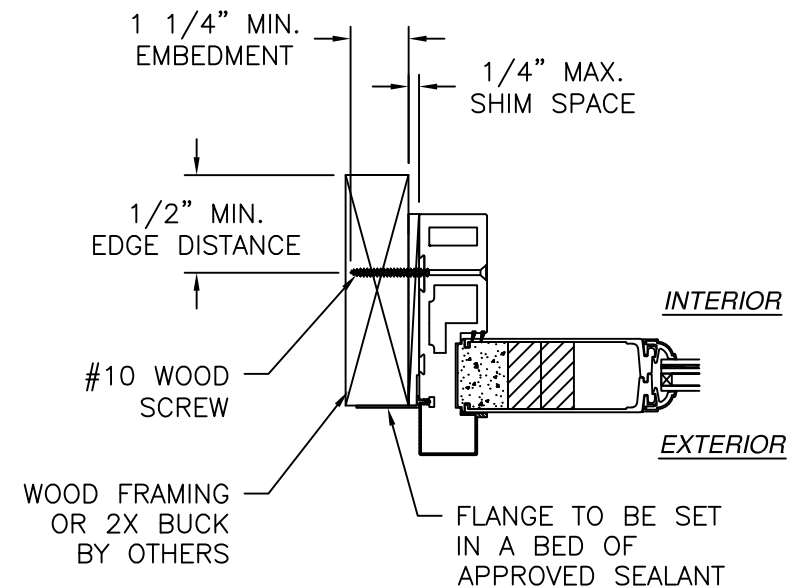


EXTERIOR

INTERIOR



VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION



JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

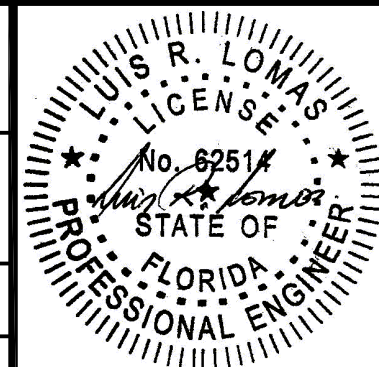
NOTES:

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

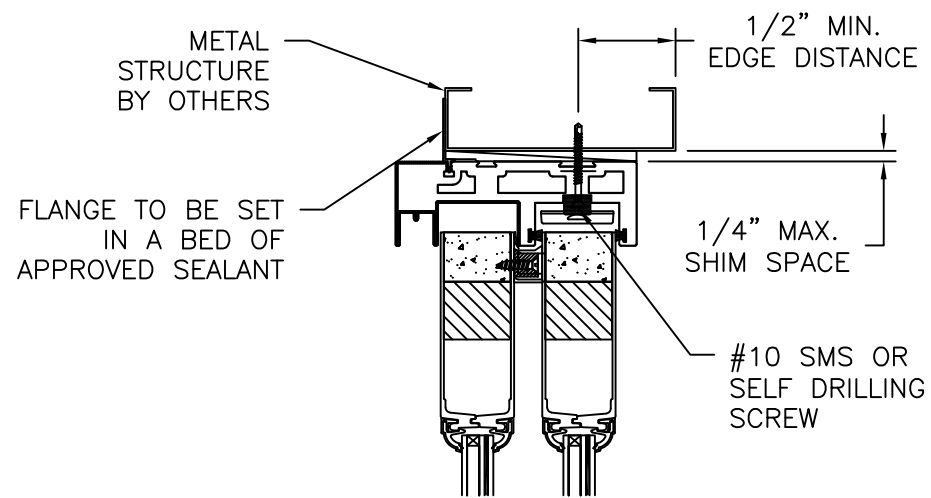
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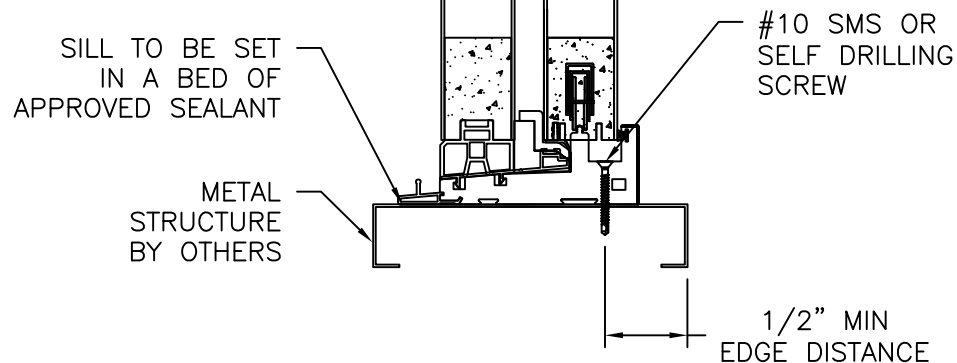


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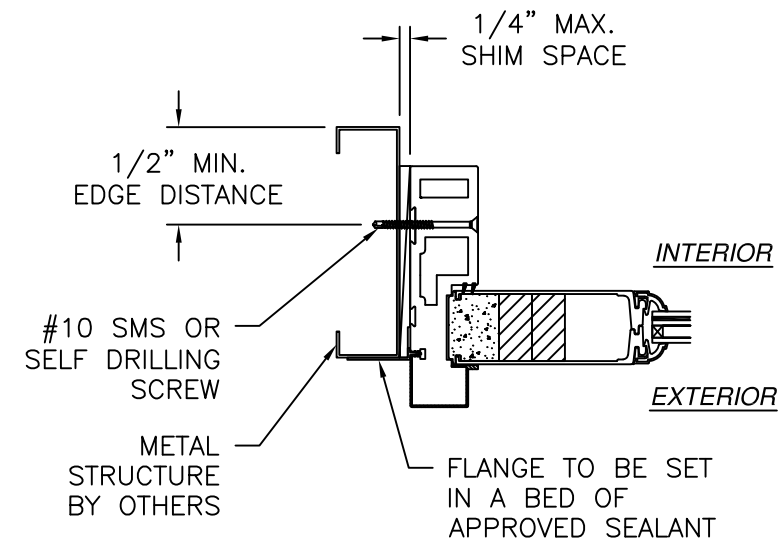


EXTERIOR

INTERIOR



VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION



JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION

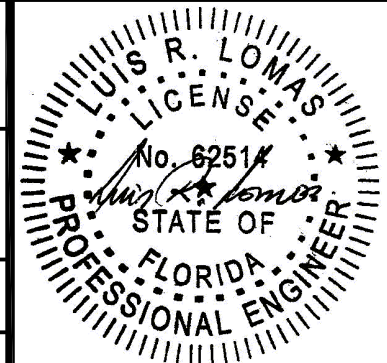
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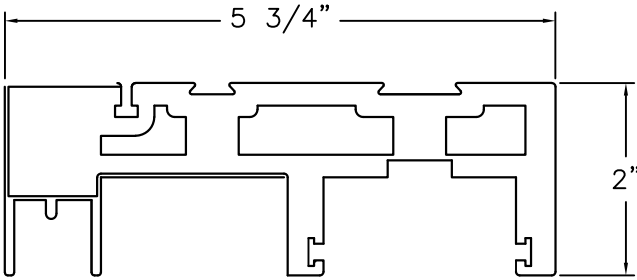
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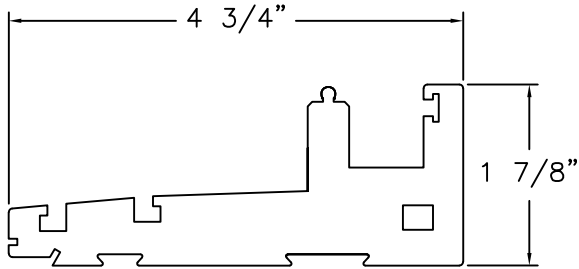


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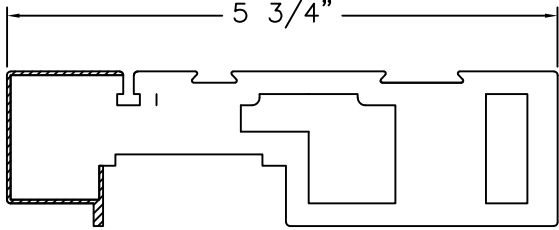
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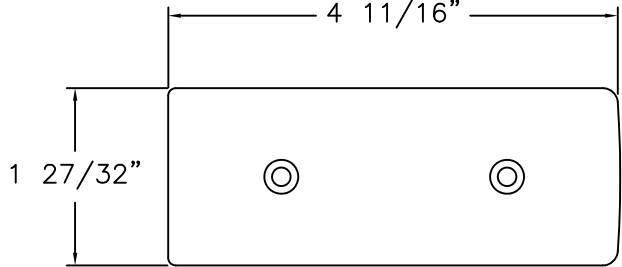
HEAD
FOAM PVC CO-EX



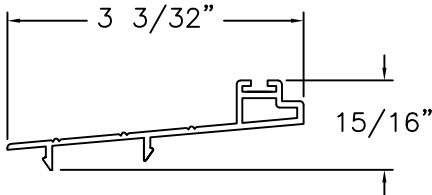
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FOAM PVC



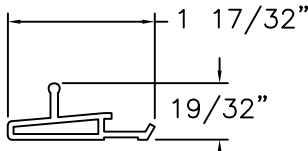
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FOAM PVC



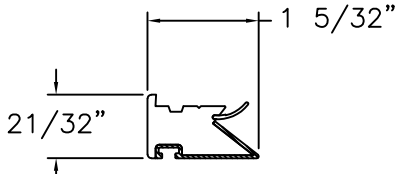
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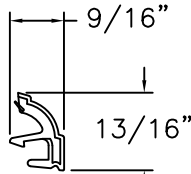
SILL BOARD
ALUMINUM



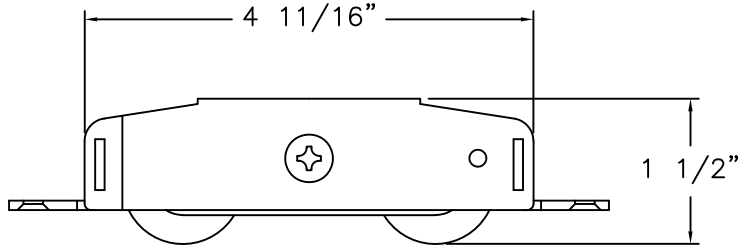
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ALUMINUM



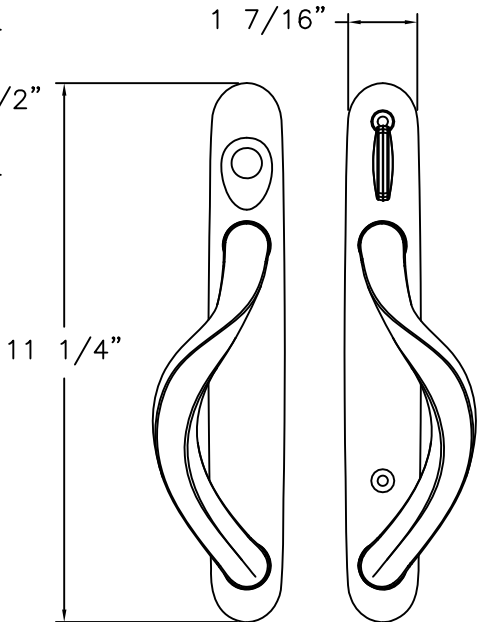
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FOAM PVC



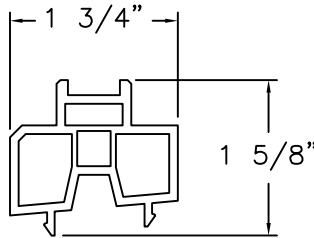
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PVC



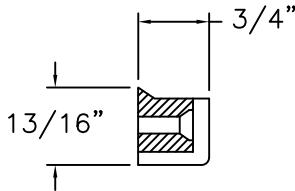
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STAINLESS STEEL



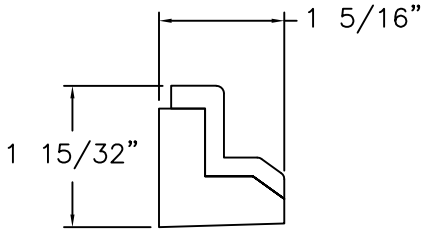
GLIDING HANDLE
DIE CAST, STEEL



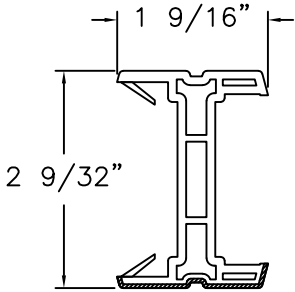
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RIGID PVC



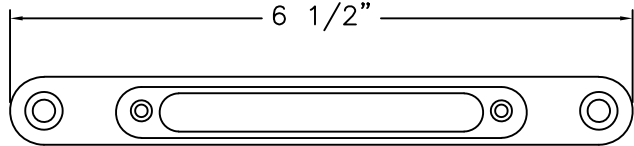
WIND STOPPER (A)
FOAM EPDM



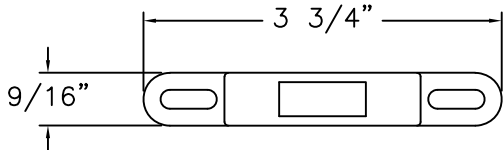
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FOAM EPDM



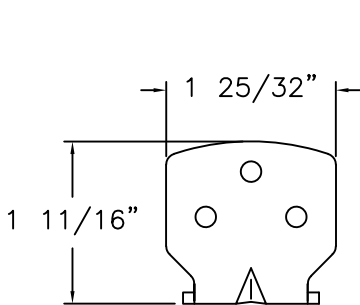
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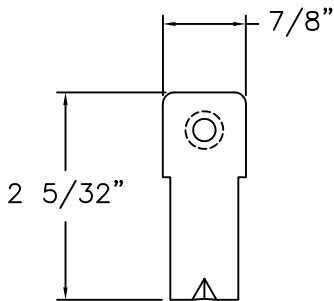
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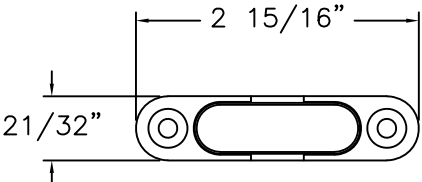
LOCK KEEPER
DIE CASTING



TOP BRACKET
STAINLESS STEEL



DOWNSIDE BRACKET
STAINLESS STEEL



ANTI-LIFT STOPPER
DIE CASTING

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