

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, WITH SAFETY GLAZING.
15. APPROVED IMPACT PROTECTIVE SYSTEM IS 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	
SHEET NO.	DESCRIPTION
1	NOTES
2	ELEVATION
3	ASTRAGAL AND MEETING RAIL DETAIL
4	GLAZING DETAILS
5	ANCHORING LAYOUT
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 NON-IMPACT
OXXO ELEVATION AND NOTES

DRAWN:
A.R.

DWG NO.
08-03621

REV
A

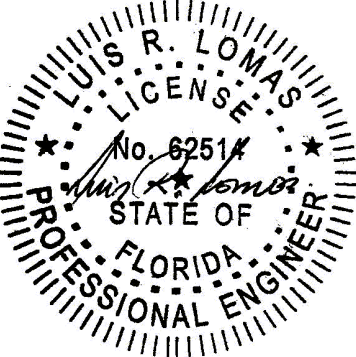
SCALE NTS

DATE 10/22/2020

SHEET 1 OF 9

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

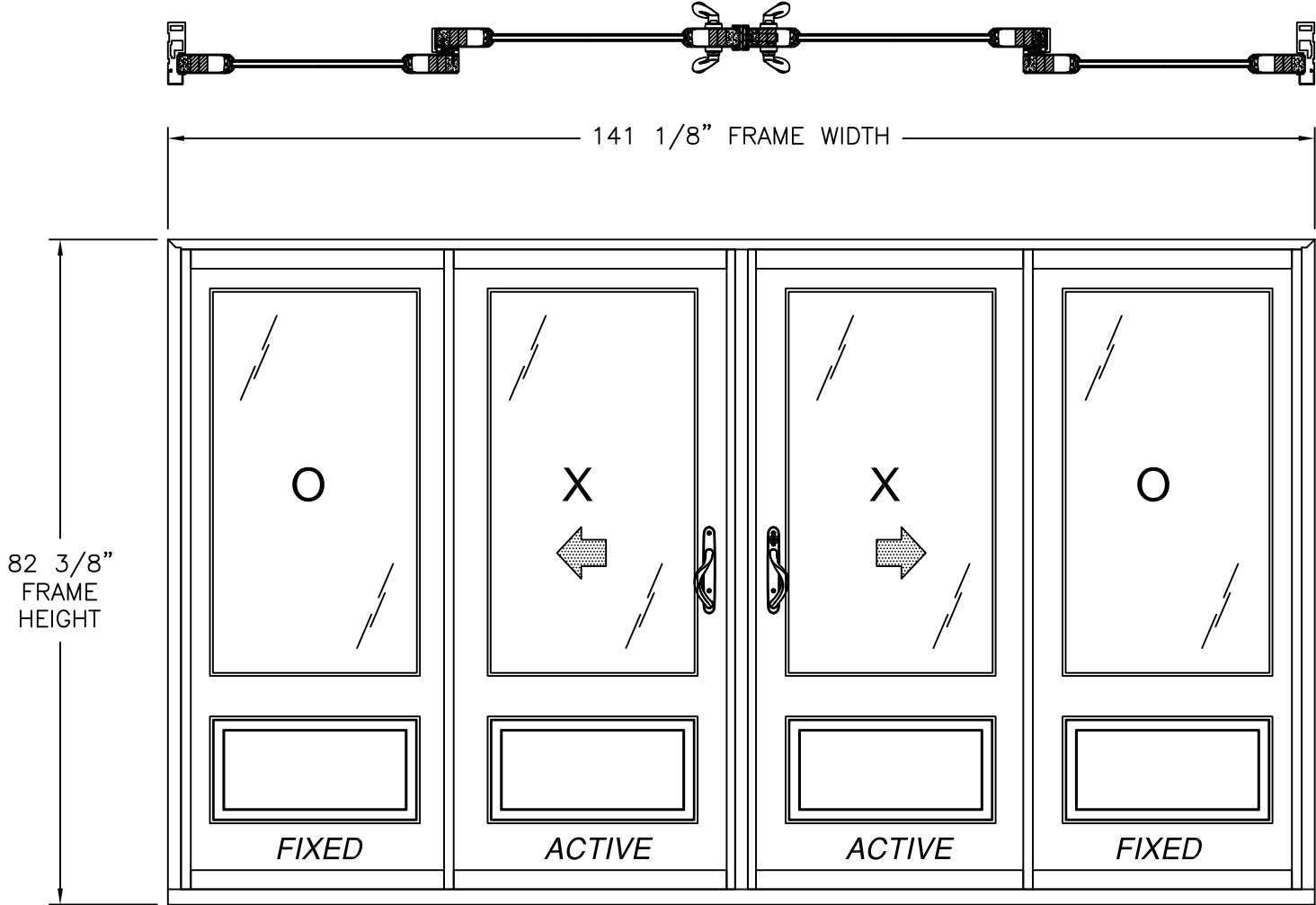
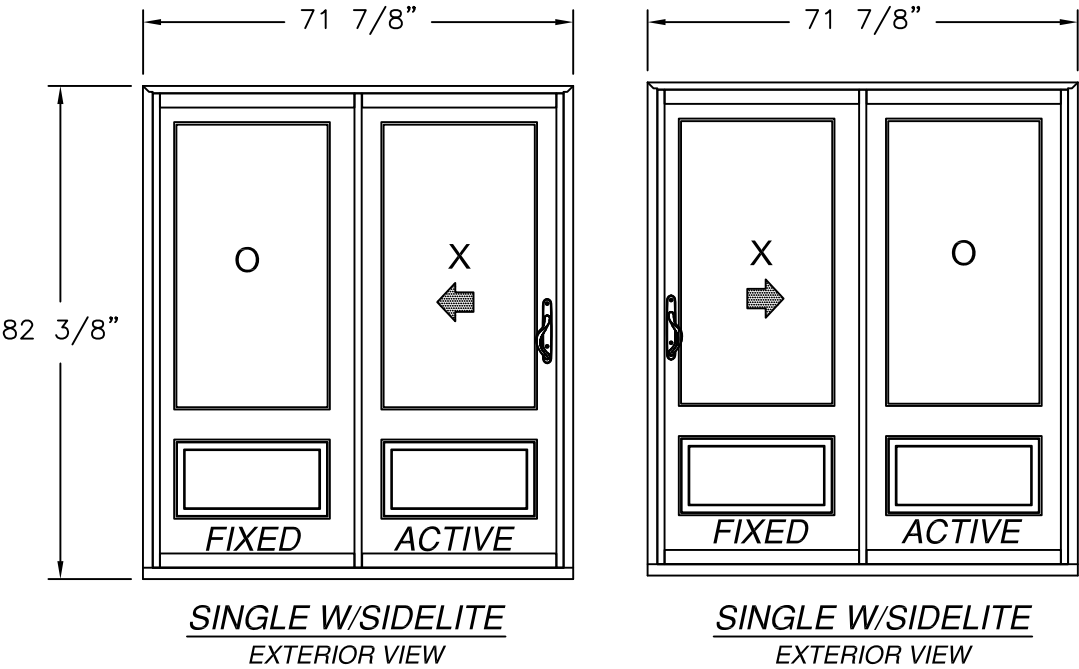
SIGNED: 06/02/2025



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"



SERIES SPLS GLIDING PATIO DOOR - 120611
EXTERIOR VIEW

DESIGN PRESSURE RATING	IMPACT RATING
±50PSF	NONE

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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SERIES SPLS GLIDING PATIO DOOR
WITH 3/4 LITE PANELS 120611 NON-IMPACT
ELEVATION

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SHEET
2 OF 9

L. ROBERTO LOMAS P.E.
208 7th Ave, INDIALANTIC, FL 32903
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SIGNED: 06/02/2025

LUIS R. LOMAS

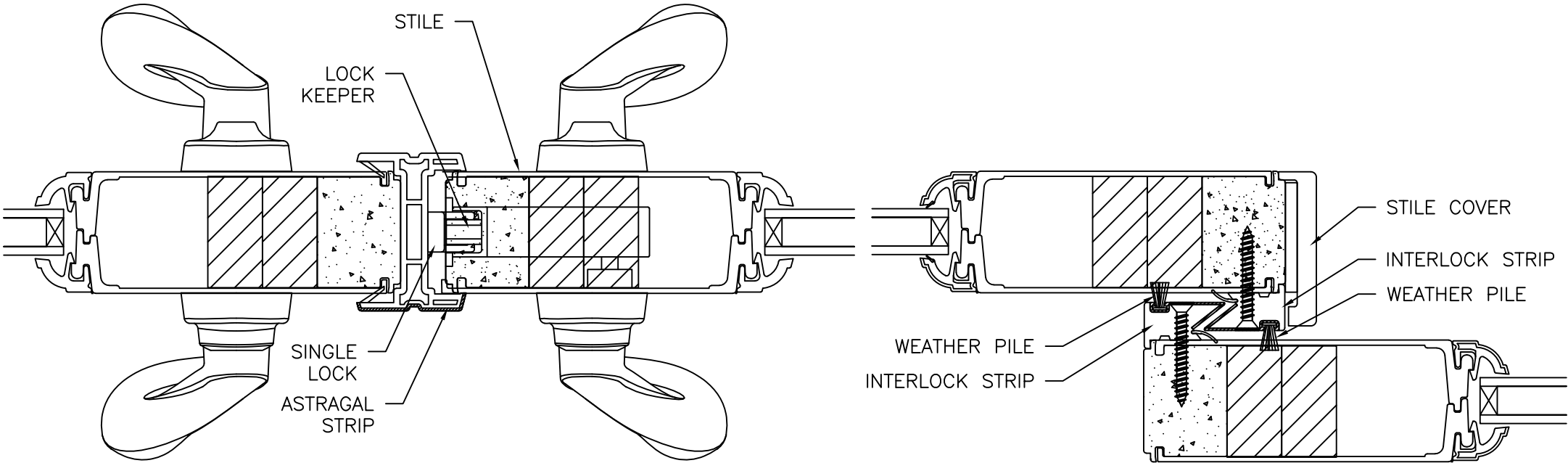
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STATE OF FLORIDA

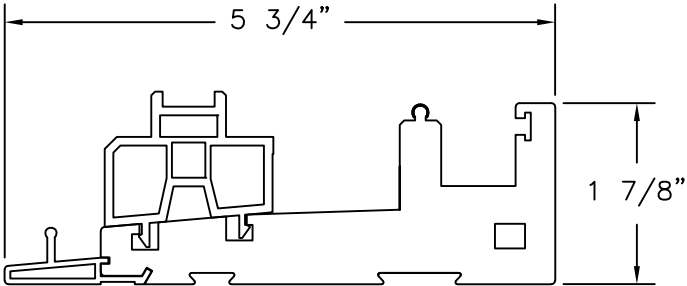
PROFESSIONAL ENGINEER

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

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ASTRAGAL AND MEETING RAIL DETAIL



DOOR SILL

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SERIES SPLS GLIDING PATIO DOOR

WITH 3/4 LITE PANELS 120611 NON-IMPACT

ASTRAGAL AND MEETING RAIL DETAIL

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08-03621

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10/22/2020

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3

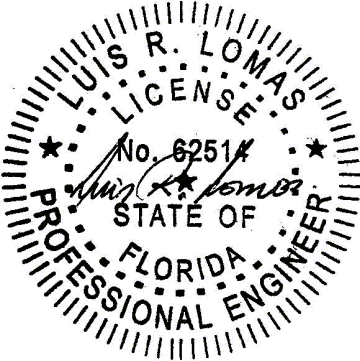
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L. ROBERTO LOMAS P.E.

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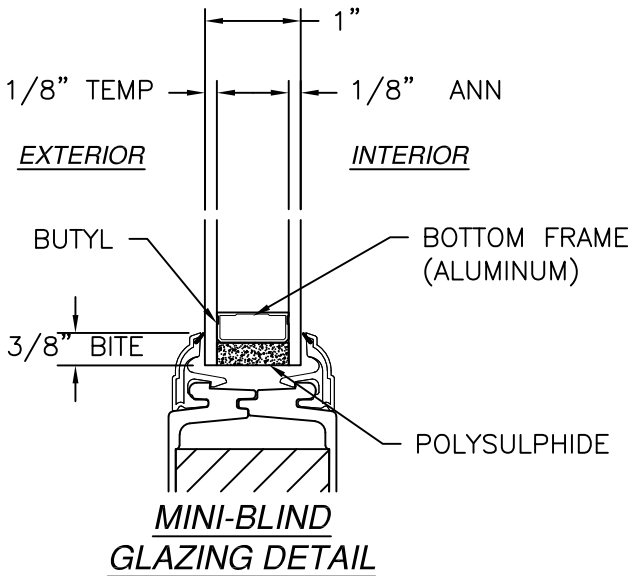
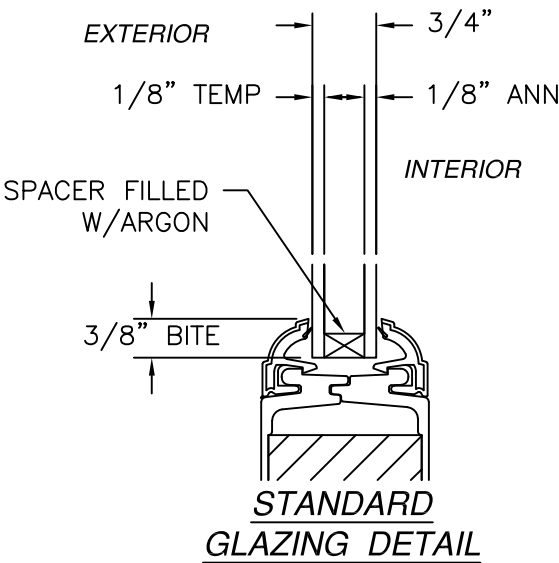
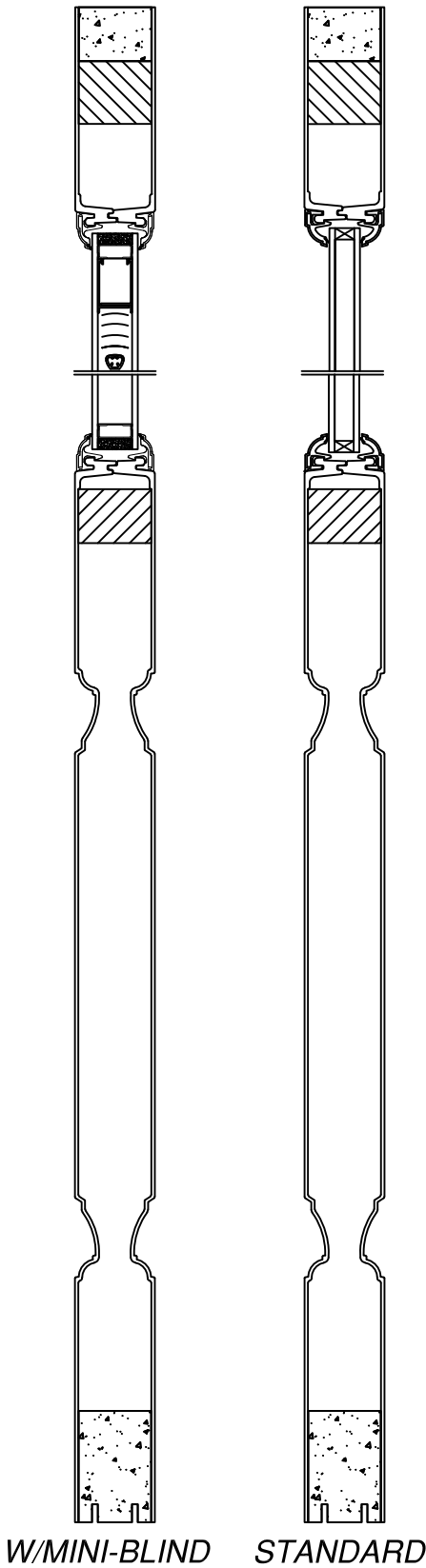
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APPROVED PANEL CONFIGURATIONS



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HOUSTON, TX 77029

SERIES SPLS GLIDING PATIO DOOR

WITH 3/4 LITE PANELS 120611 NON-IMPACT

GLAZING DETAILS

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OF

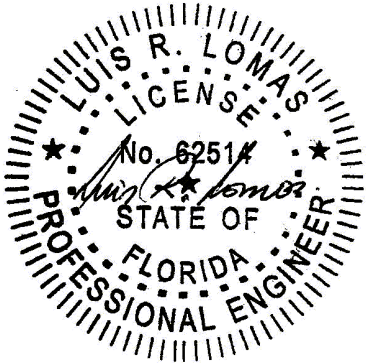
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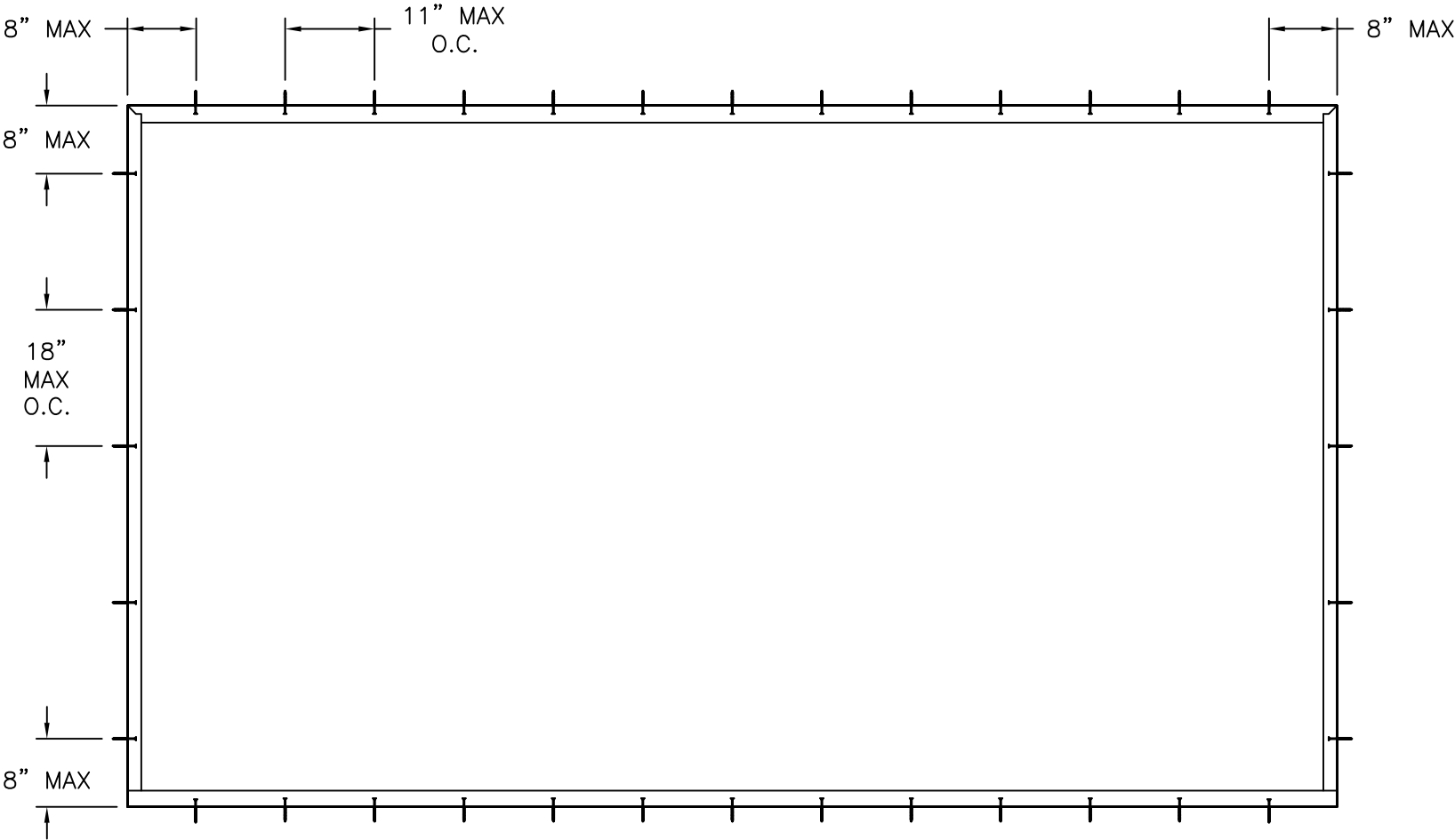
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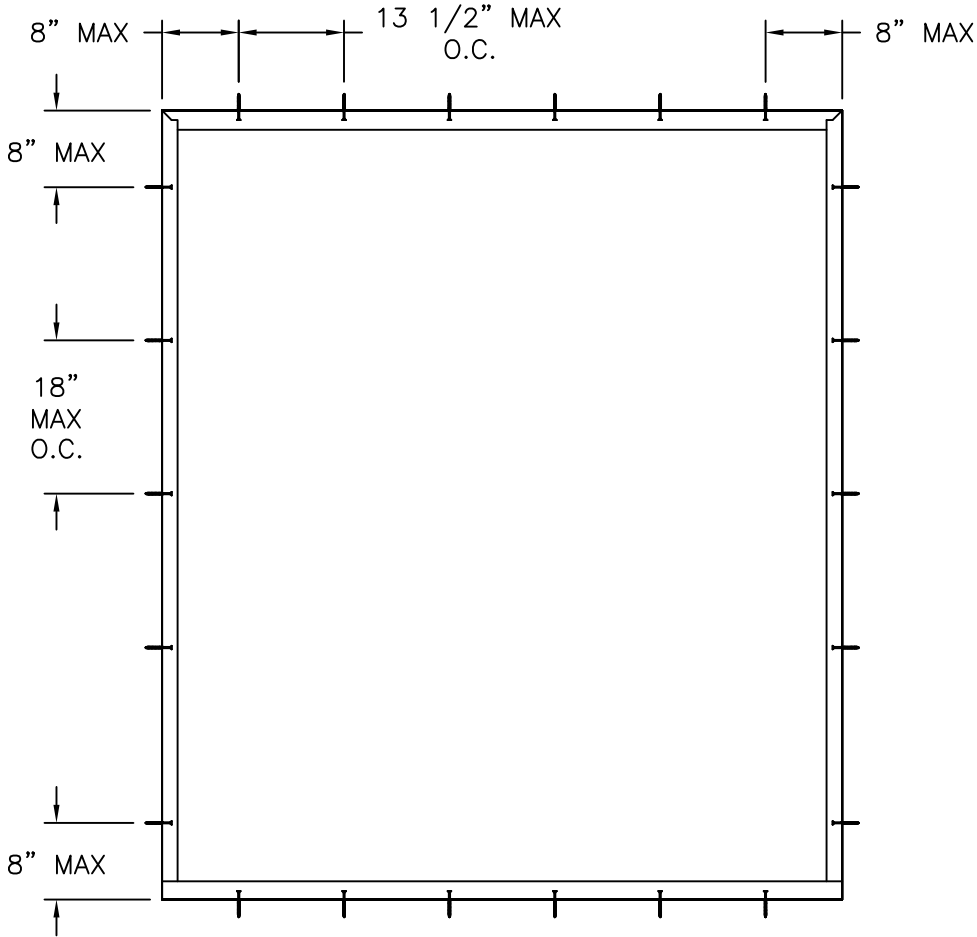


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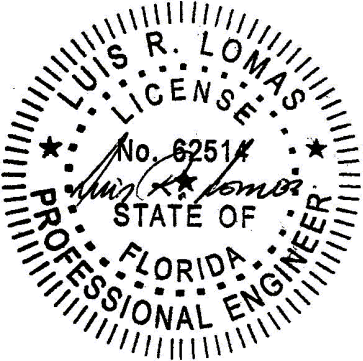
ANCHORING LAYOUT FOR DOUBLE W/SIDELITES
EXTERIOR VIEW



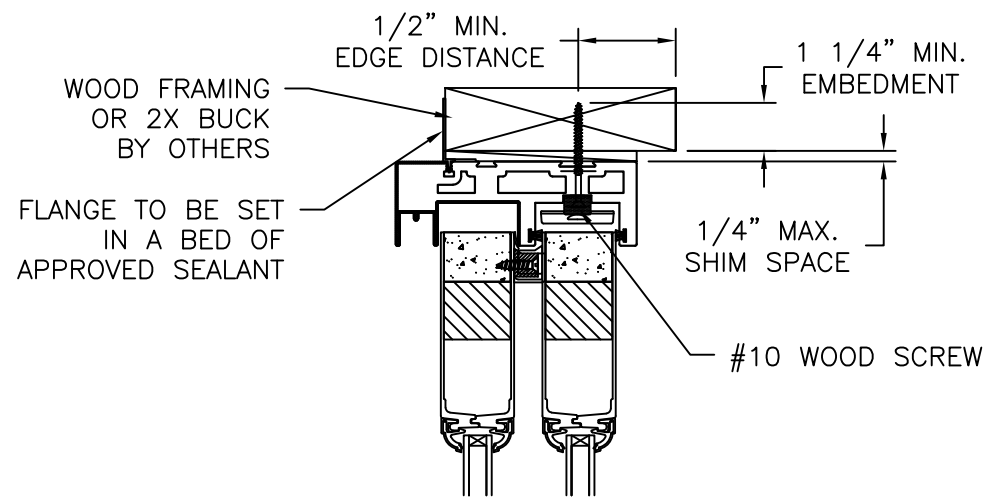
ANCHORING LAYOUT FOR SINGLE W/SIDELITE
EXTERIOR VIEW

SIGNED: 06/02/2025

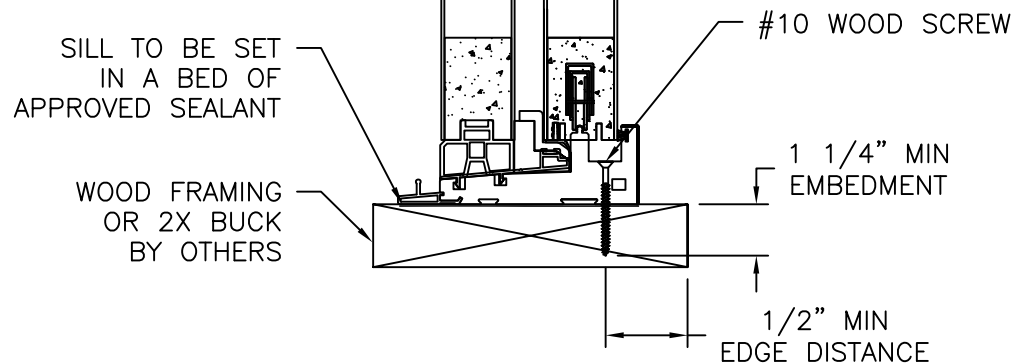
NAN YA PLASTICS CORP. USA 8989 NORTH LOOP EAST HOUSTON, TX 77029		
SERIES SPLS GLIDING PATIO DOOR WITH 3/4 LITE PANELS 120611 NON-IMPACT ANCHORING LAYOUTS		
DRAWN: A.R.	DWG NO. 08-03621	REV A
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L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		



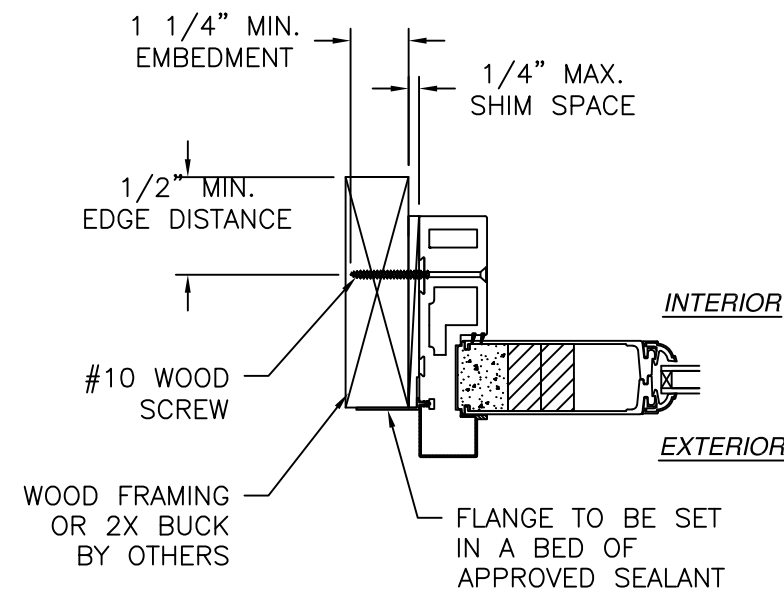
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FL No.: 62514



EXTERIOR INTERIOR



VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION



JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

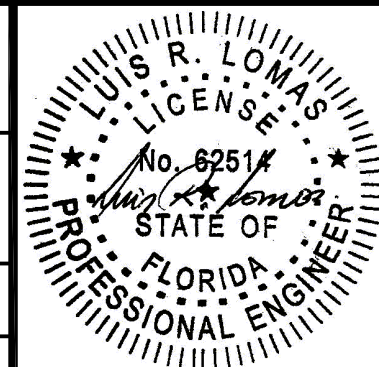
NOTES:

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

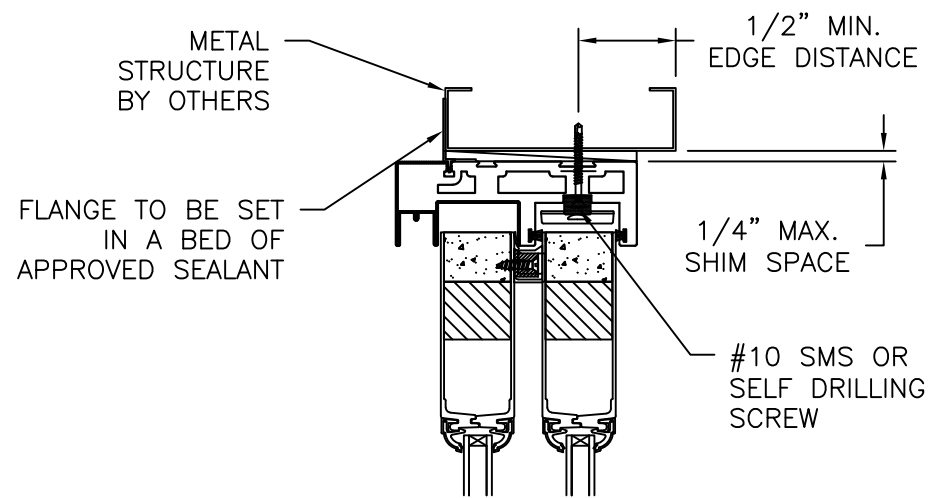
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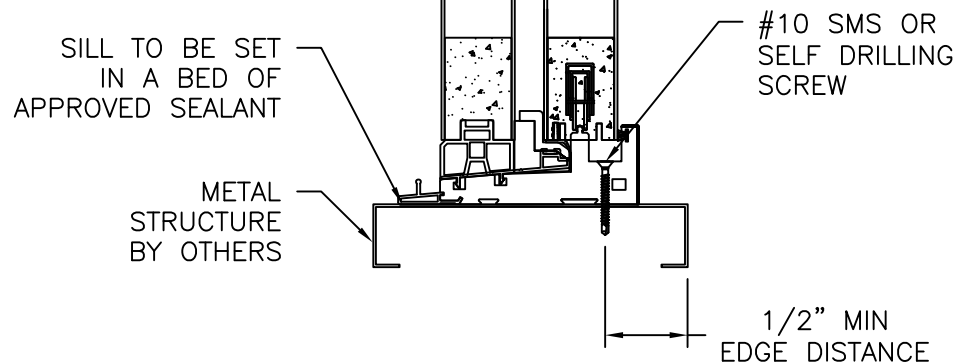


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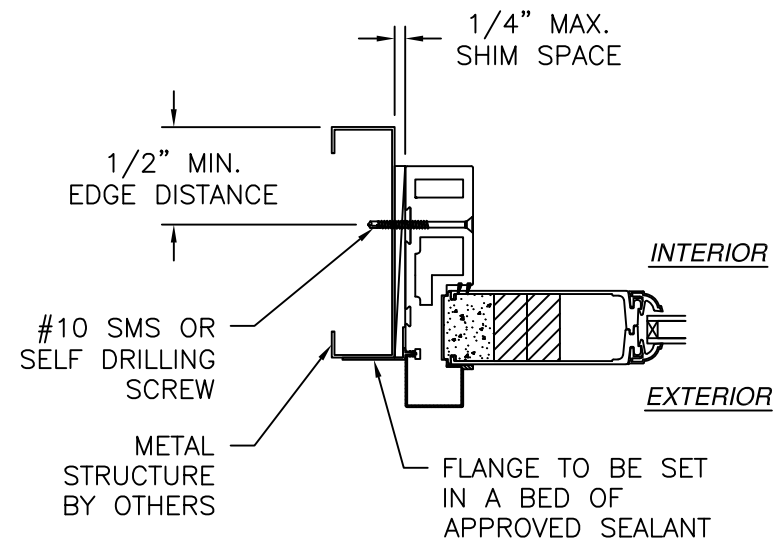


EXTERIOR

INTERIOR



VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION



JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION

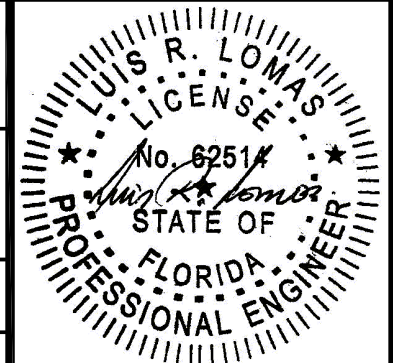
NOTES:

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2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112

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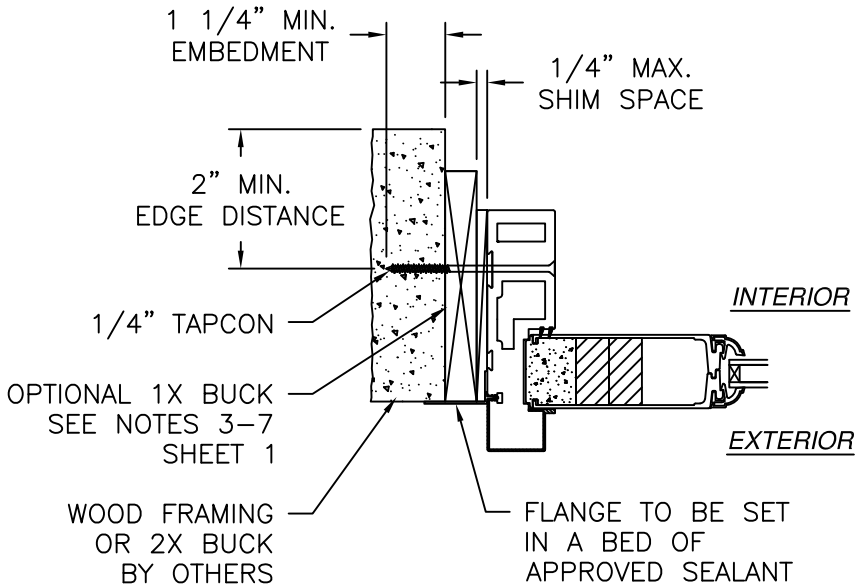
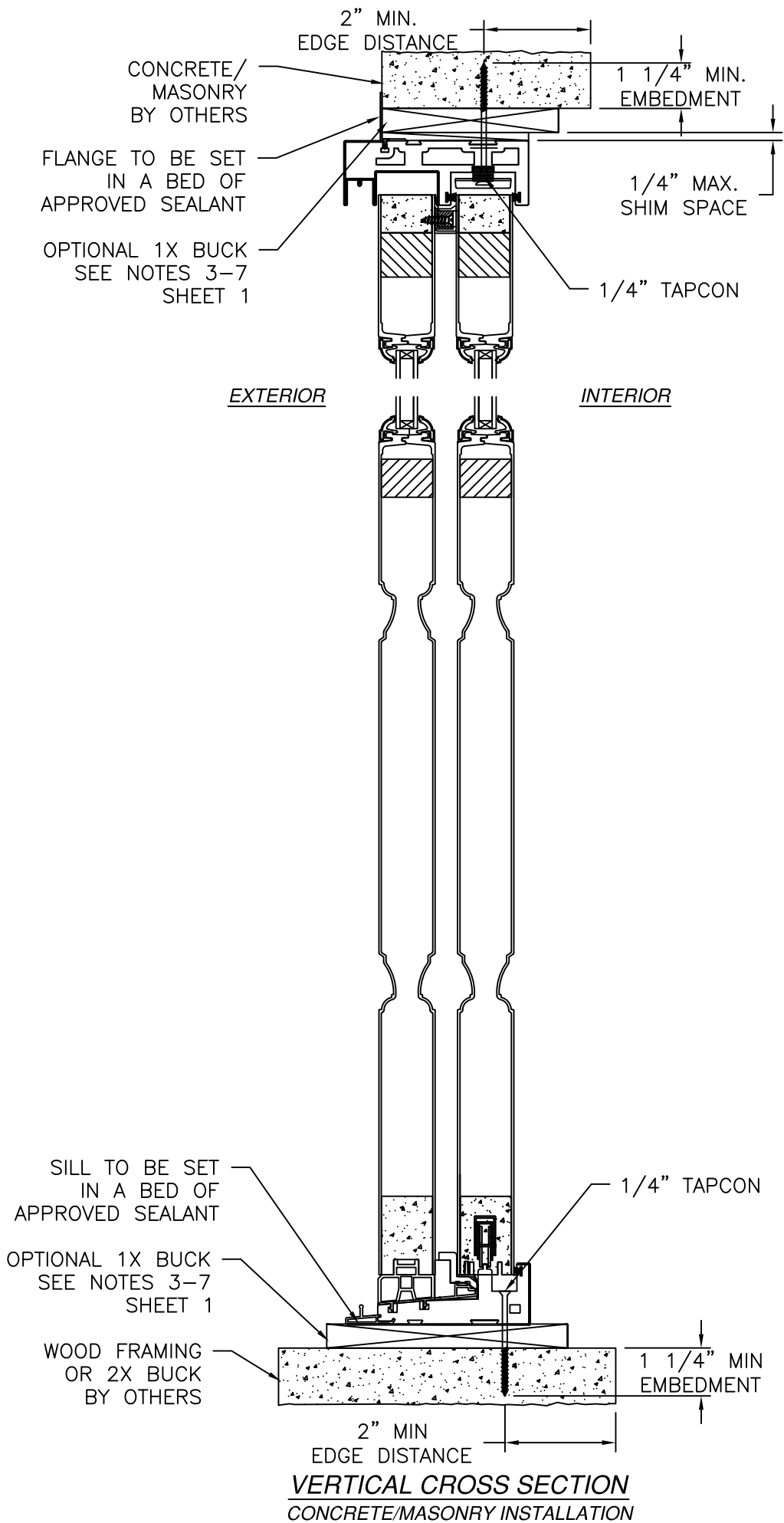
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SERIES SPLS GLIDING PATIO DOOR WITH 3/4 LITE PANELS 120611 NON-IMPACT INSTALLATION DETAILS		
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JAMB INSTALLATION DETAIL
CONCRETE/MASONRY INSTALLATION

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 - PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112

SIGNED: 06/02/2025

NAN YA PLASTICS CORP. USA

8989 NORTH LOOP EAST
HOUSTON, TX 77029

SERIES SPLS GLIDING PATIO DOOR
WITH 3/4 LITE PANELS 120611 NON-IMPACT
INSTALLATION DETAILS

DRAWN:

A.R.

DWG NO.

08-03621

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SCALE

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DATE

10/22/2020

SHEET

8

OF

9

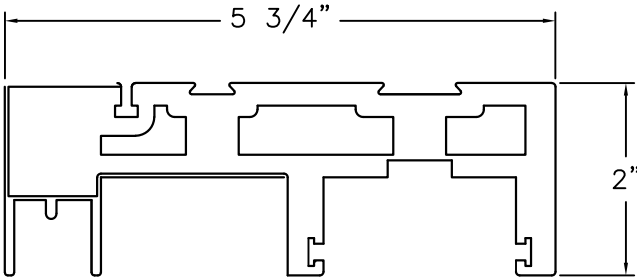
L. ROBERTO LOMAS P.E.

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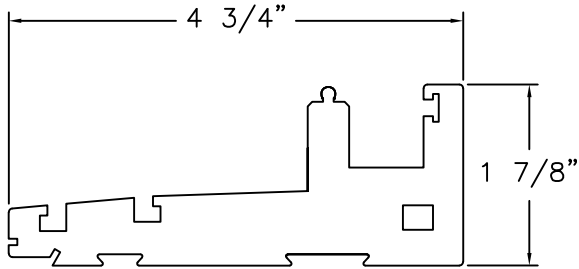
434-688-0609 rllomas@lrlomaspe.com

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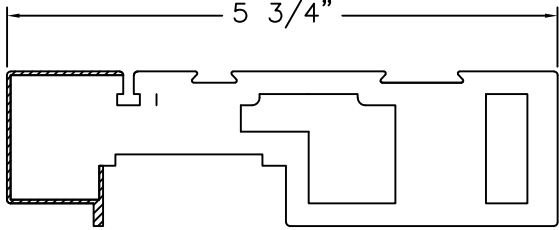
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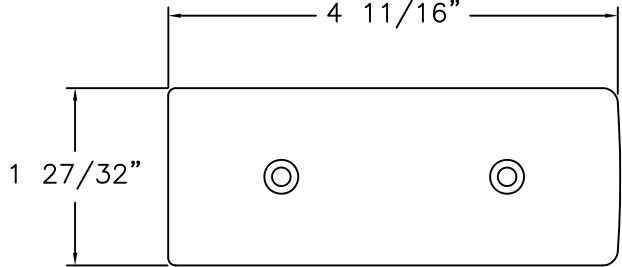
HEAD
FOAM PVC CO-EX



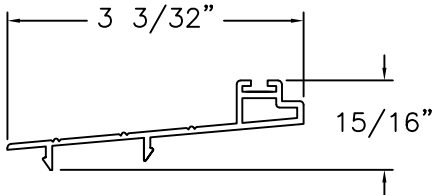
SILL
FOAM PVC



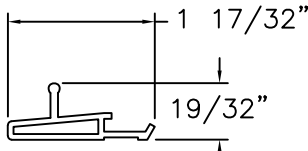
JAMB
FOAM PVC



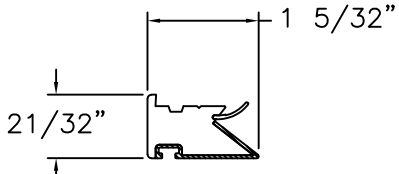
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SOFT PVC



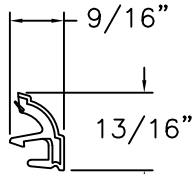
SILL BOARD
ALUMINUM



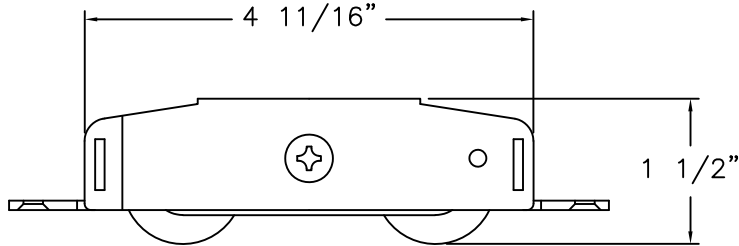
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ALUMINUM



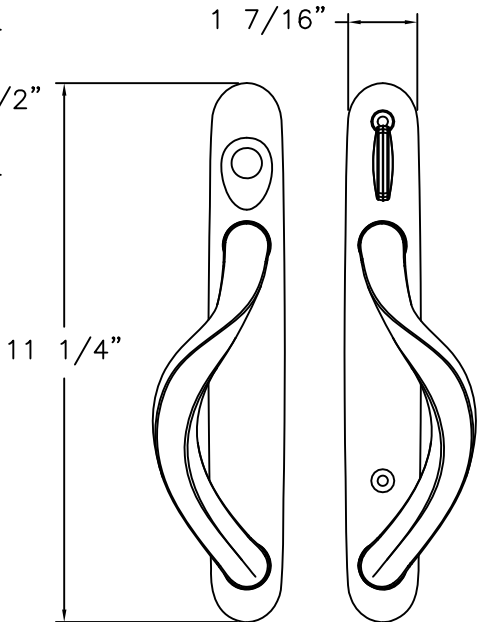
INTERLOCK STRIP
FOAM PVC



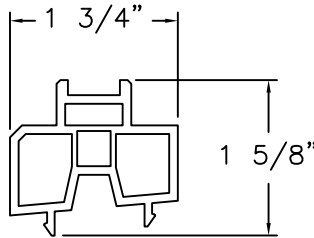
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PVC



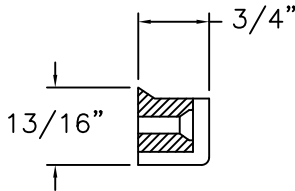
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STAINLESS STEEL



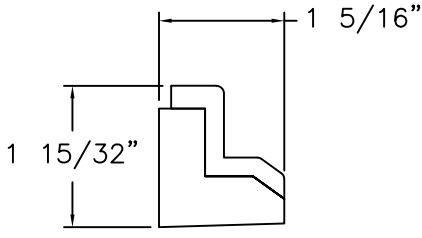
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DIE CAST, STEEL



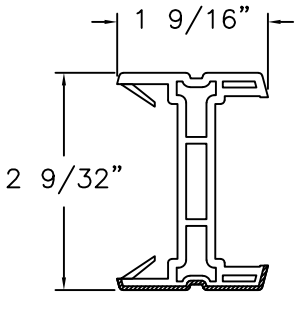
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RIGID PVC



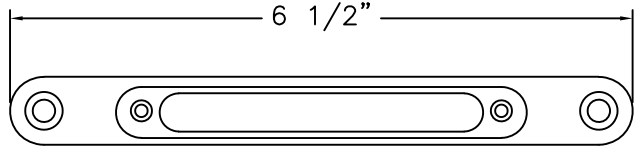
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FOAM EPDM



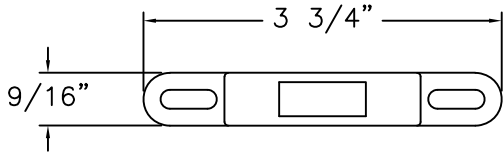
SILL WIND STOPPER
FOAM EPDM



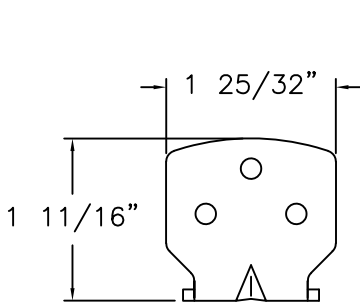
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RIGID PVC



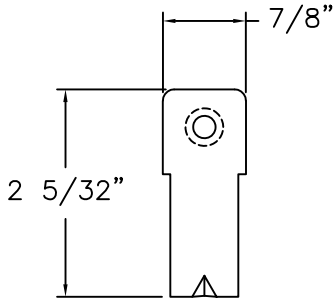
SINGLE LOCK
STAINLESS STEEL



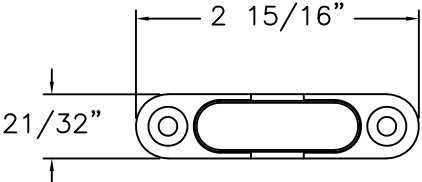
LOCK KEEPER
DIE CASTING



TOP BRACKET
STAINLESS STEEL



DOWNSIDE BRACKET
STAINLESS STEEL



ANTI-LIFT STOPPER
DIE CASTING

SIGNED: 06/02/2025

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SERIES SPLS GLIDING PATIO DOOR

WITH 3/4 LITE PANELS 120611 NON-IMPACT

COMPONENTS

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SCALE NTS

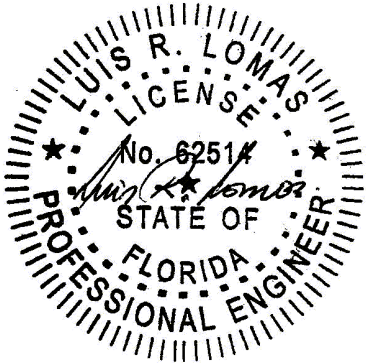
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SHEET 9 OF 9

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