

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, 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: FOAM PVC CO-EX.
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 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.

15. 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.
16. 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.
17. ALL FASTENERS TO BE CORROSION RESISTANT.
18. 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

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NAN YA PLASTICS CORP. USA

8989 NORTH LOOP EAST
HOUSTON, TX 77029

SERIES "SPLS" FIBERGLASS GLAZED
SGD 8'0 WITH 3/4" LITE PANELS – IMPACT
NOTES

DRAWN:
A.R.

DWG NO.
08-03580

REV
A

SCALE NTS

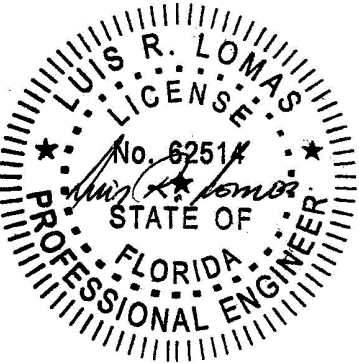
DATE 07/01/2020

SHEET 1 OF 9

L. ROBERTO LOMAS P.E.

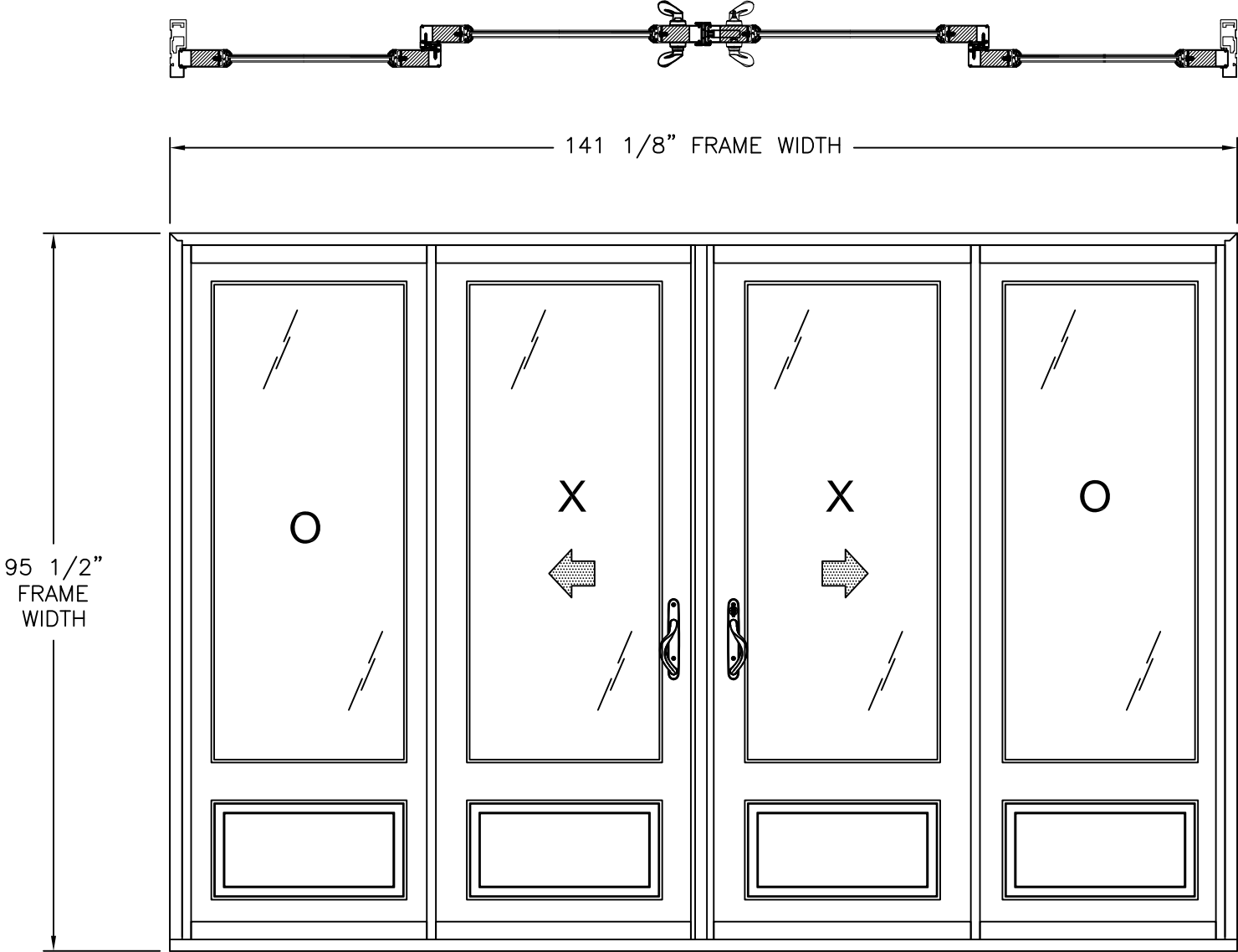
208 7th Ave, INDIALANTIC, FL 32903
434-688-0609 rllomas@lrlomaspe.com

SIGNED: 05/29/2025



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

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REV	DESCRIPTION	DATE	APPROVED
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SERIES "SPLS" 8'0 FIBERGLASS SLIDING GLASS DOOR WITH 3/4" PANELS
EXTERIOR VIEW

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

MISSILE LEVEL D, WIND ZONE 4 AND HVHZ

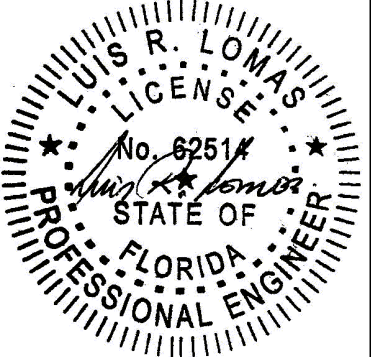
35 3/4" X 92 3/8" PANELS SHOWN OTHER PANEL SIZES ARE APPROVED AS LONG AS INDIVIDUAL PANEL AREA DOES NOT EXCEED 22.9 FT²
APPROVED CONFIGURATIONS: OXXO, OX, XO

- NOTES:
- PANEL SIZE: 35 3/4" X 92 3/8"
 - D.L.O.: 25 1/4" X 63 1/4"

HARDWARE SCHEDULE	
A.	MULTI-POINT LOCK WITH KEEPERS (STAINLESS STEEL) AT ACTIVE PANEL
B.	GLIDING HANDLE (DIE CAST, STEEL) AT ACTIVE PANEL
C.	WOOD REINFORCEMENT (A) AT STATIONARY AND ACTIVE PANEL STILES
D.	WOOD REINFORCEMENT (B) AT ALL PANEL TOP RAILS AND DOUBLE ON PANEL BOTTOM RAILS
E.	1/8" STEEL REINFORCEMENT AT ACTIVE, PASSIVE, FIXED AND STATIONARY PANEL STILES

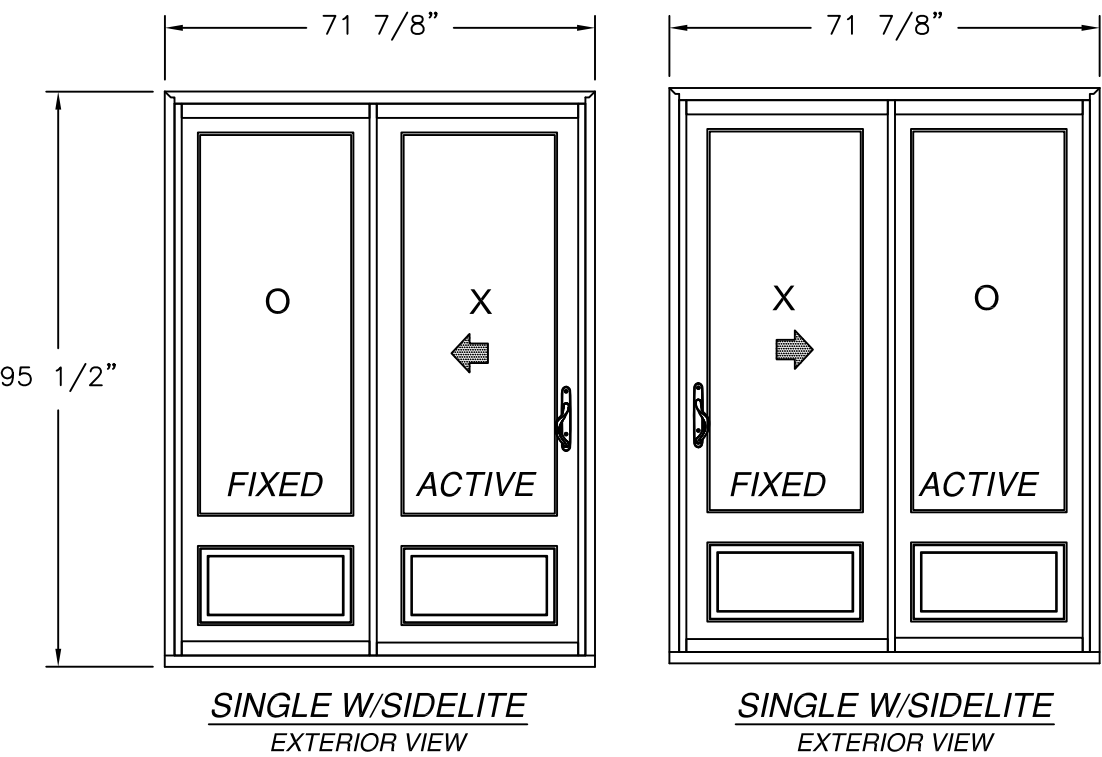
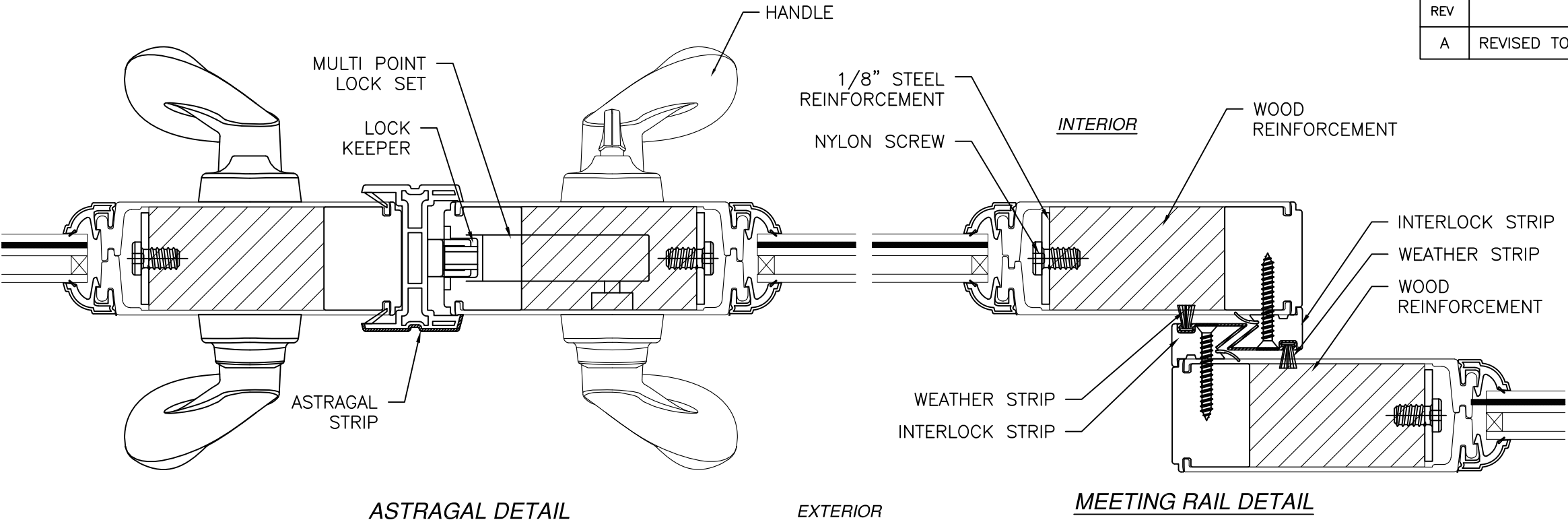
NAN YA PLASTICS CORP. USA 8989 NORTH LOOP EAST HOUSTON, TX 77029		
SERIES "SPLS" FIBERGLASS GLAZED SGD 8'0 WITH 3/4" LITE PANELS – IMPACT ELEVATION FRAME INSTALLATION		
DRAWN: A.R.	DWG NO. 08-03580	REV A
SCALE NTS	DATE 07/01/2020	SHEET 2 OF 9
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

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8989 NORTH LOOP EAST

HOUSTON, TX 77029

SERIES "SPLS" FIBERGLASS GLAZED

SGD 8'0 WITH 3/4" LITE PANELS – IMPACT

ADDITIONAL CONFIGURATION AND HARDWARE

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08-03580

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SCALE

NTS

DATE

07/01/2020

SHEET

3

OF

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L. ROBERTO LOMAS P.E.

208 7th Ave, INDIALANTIC, FL 32903

434-688-0609 rllomas@lrlomaspe.com

SIGNED: 05/29/2025

LUIS R. LOMAS

LICENSE

No. 62514

STATE OF

FLORIDA

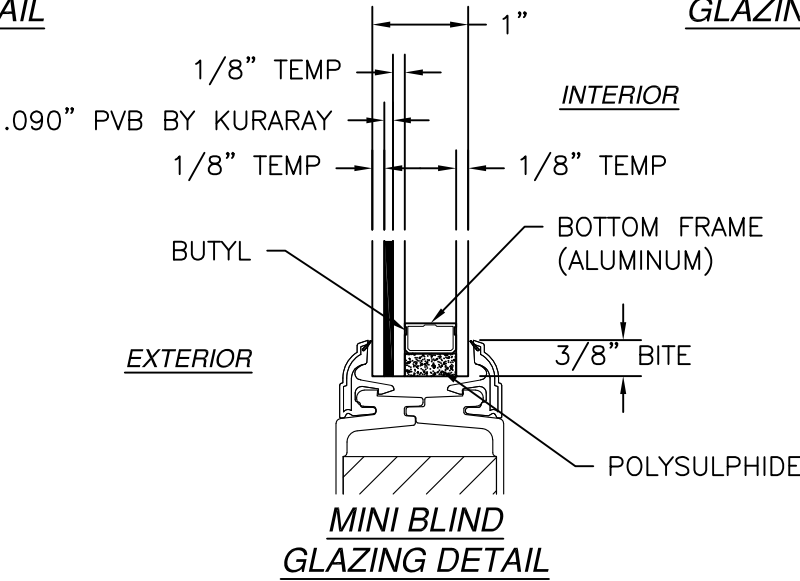
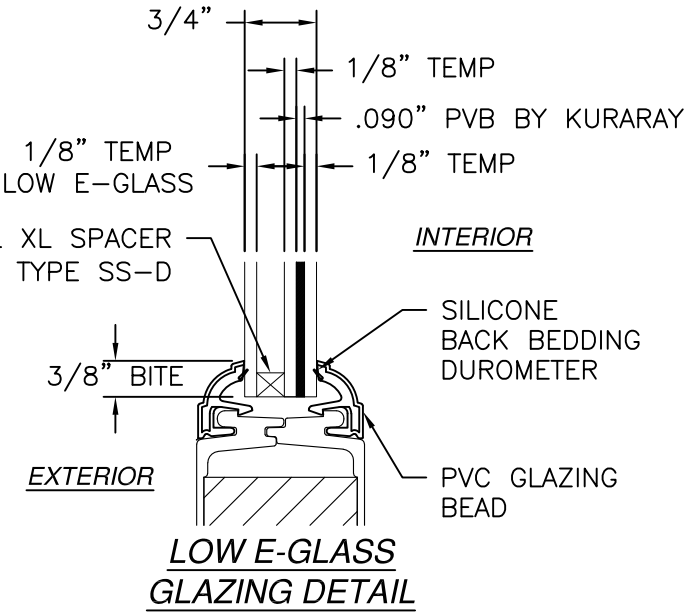
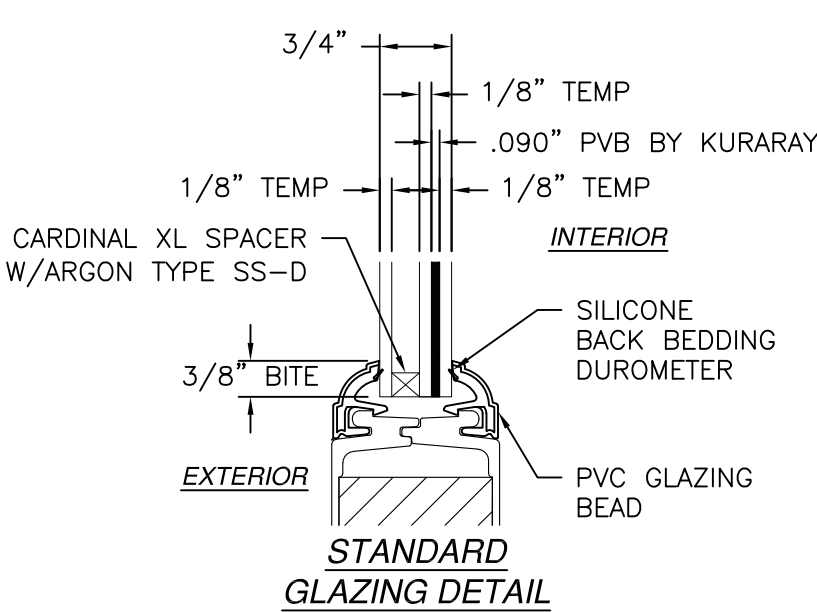
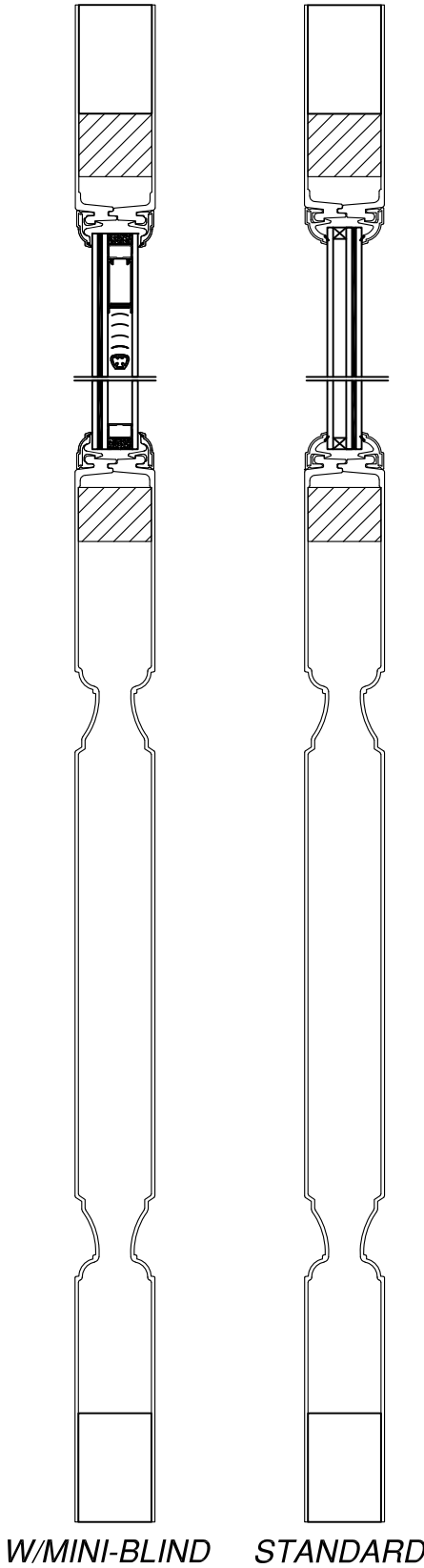
PROFESSIONAL ENGINEER

Luis R. Lomas P.E.

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APPROVED PANEL CONFIGURATIONS



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SERIES "SPLS" FIBERGLASS GLAZED

SGD 8'0 WITH 3/4" LITE PANELS - IMPACT

GLAZING DETAILS4

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DWG NO. 08-03580

REV A

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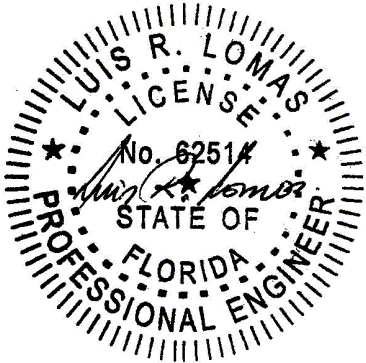
DATE 07/01/2020

SHEET 4 OF 9

L. ROBERTO LOMAS P.E.

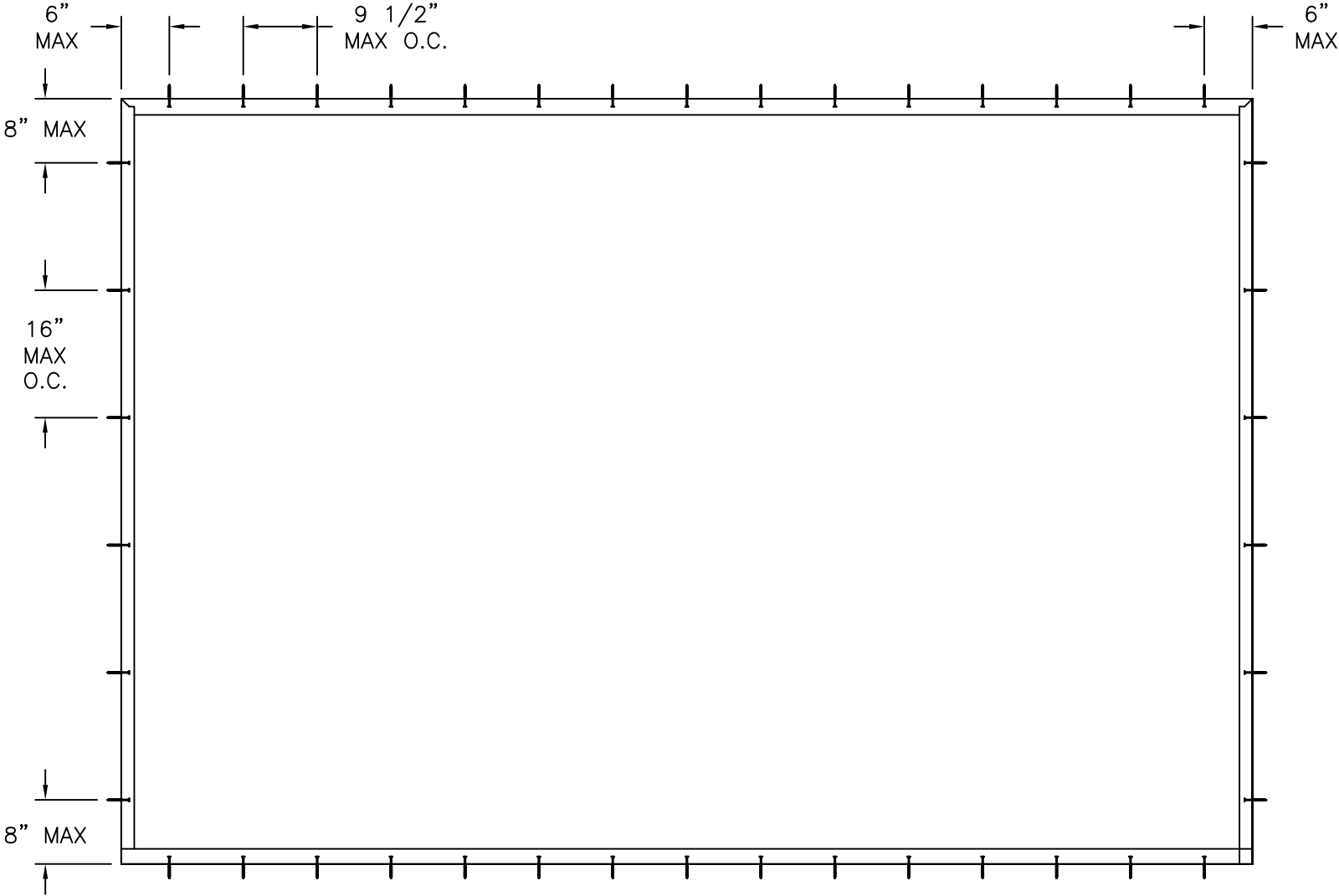
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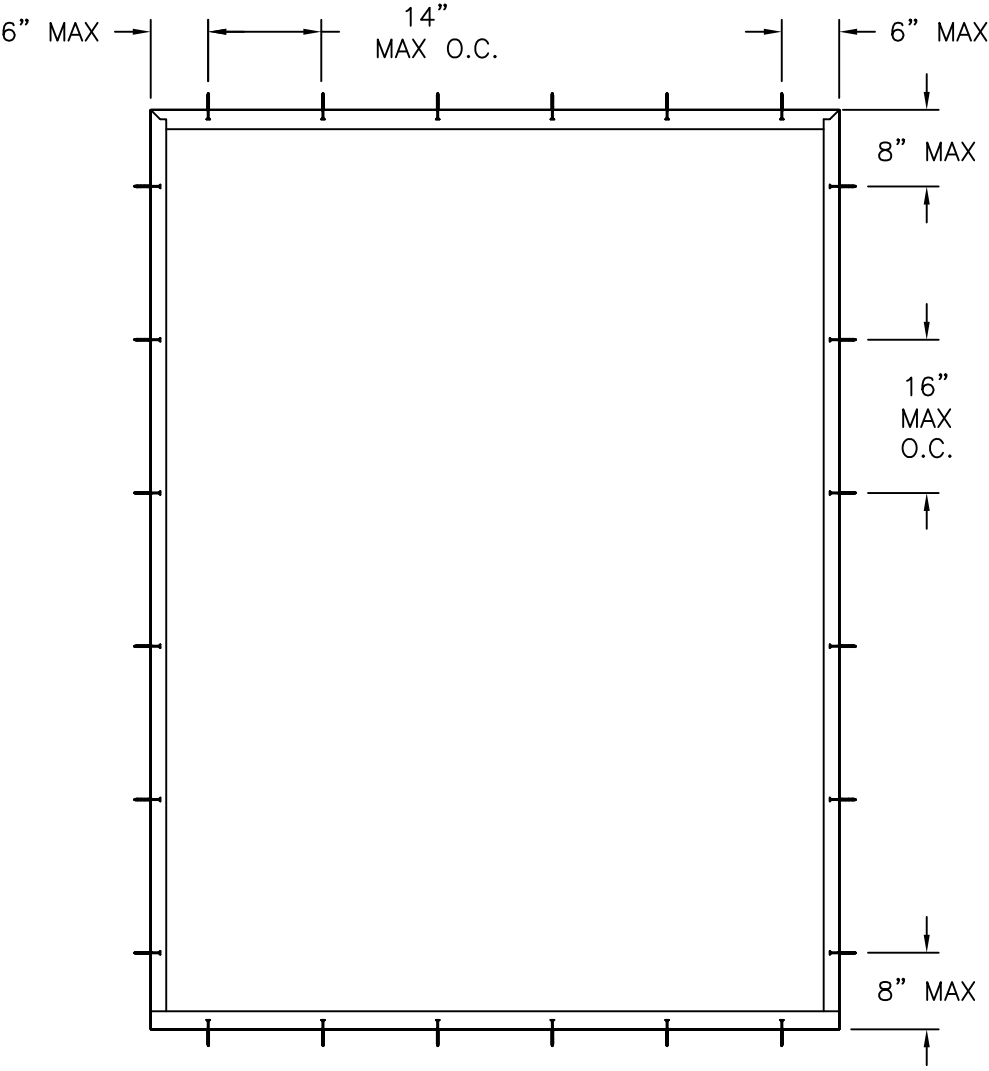


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ANCHORING LAYOUT FOR OXXO CONFIGURATION
EXTERIOR VIEW



ANCHORING LAYOUT FOR OX AND XO CONFIGURATION
EXTERIOR VIEW

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SGD 8'0 WITH 3/4" LITE PANELS – IMPACT
ANCHORING LAYOUTS

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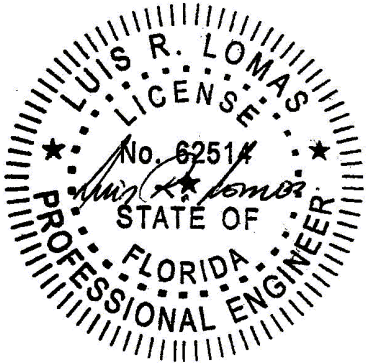
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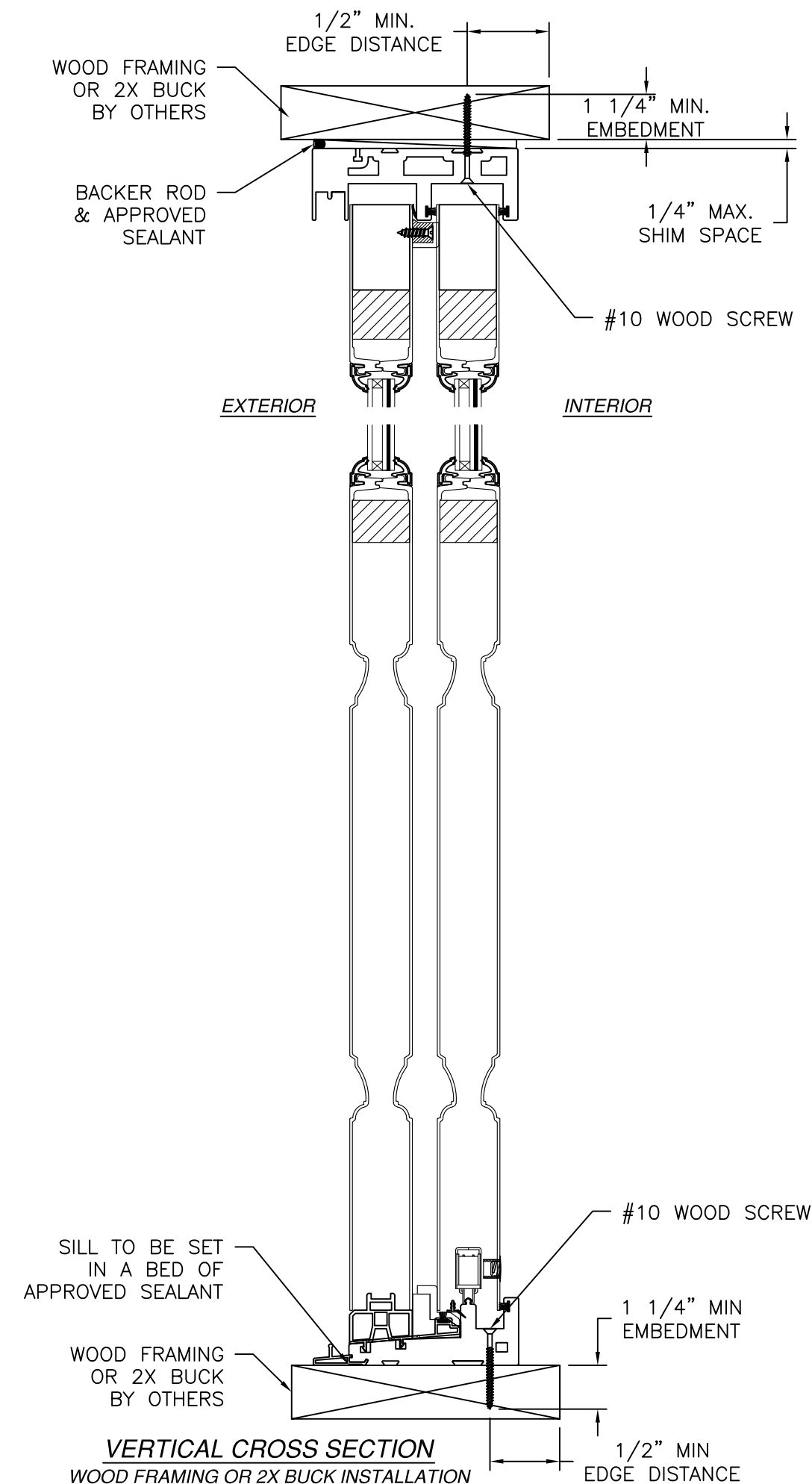
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SHEET 5 OF 9

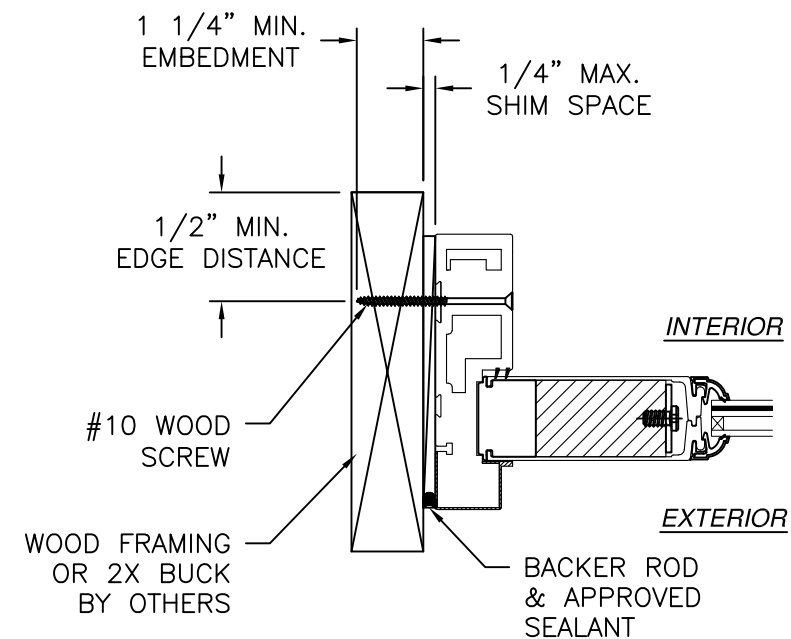
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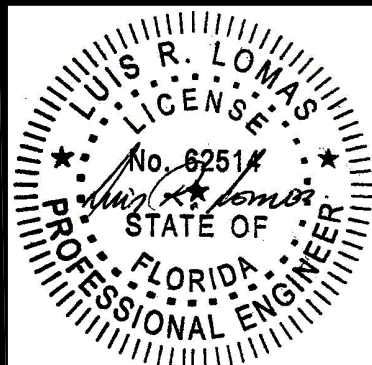
JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

NOTES:

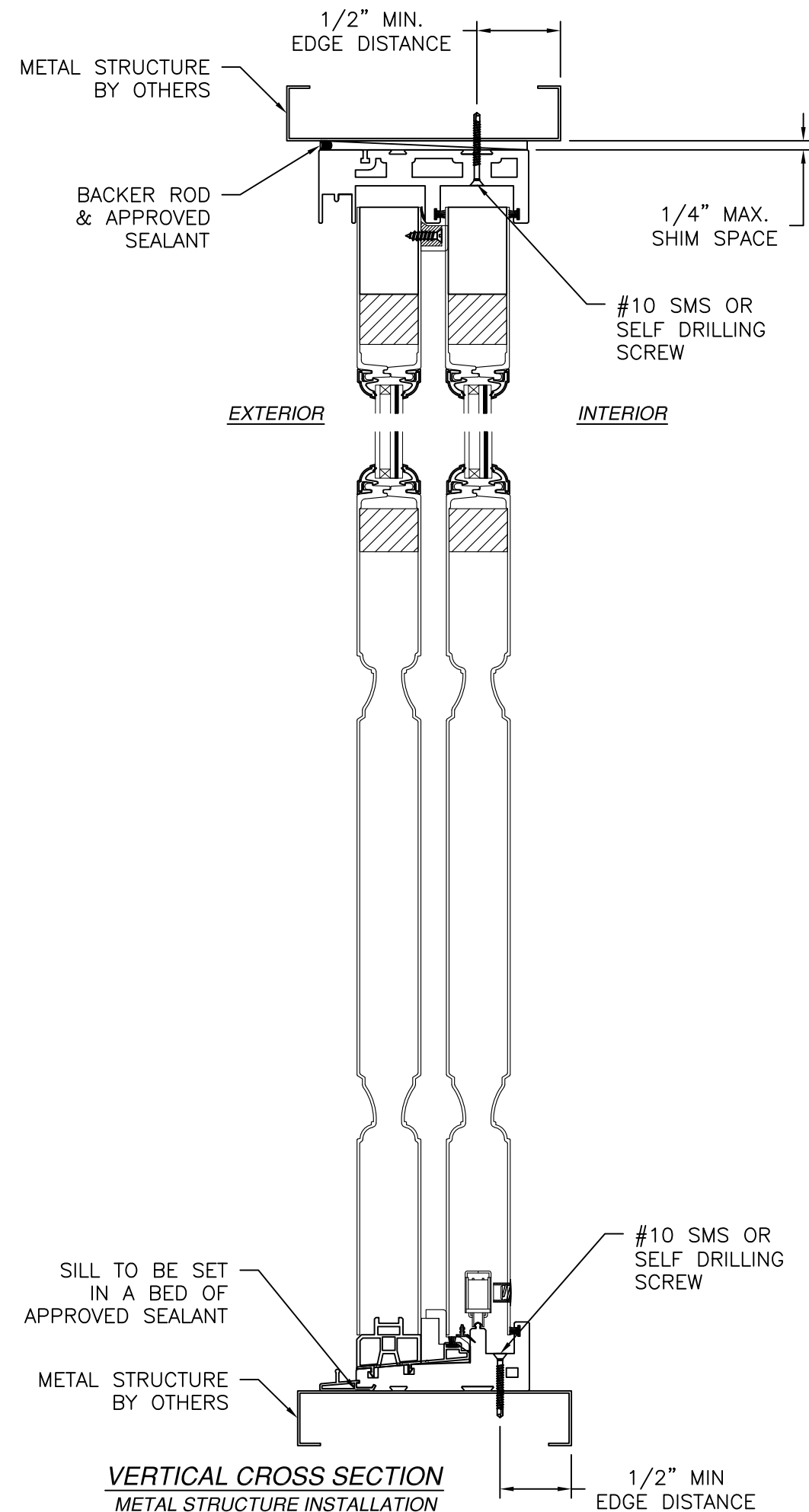
1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112

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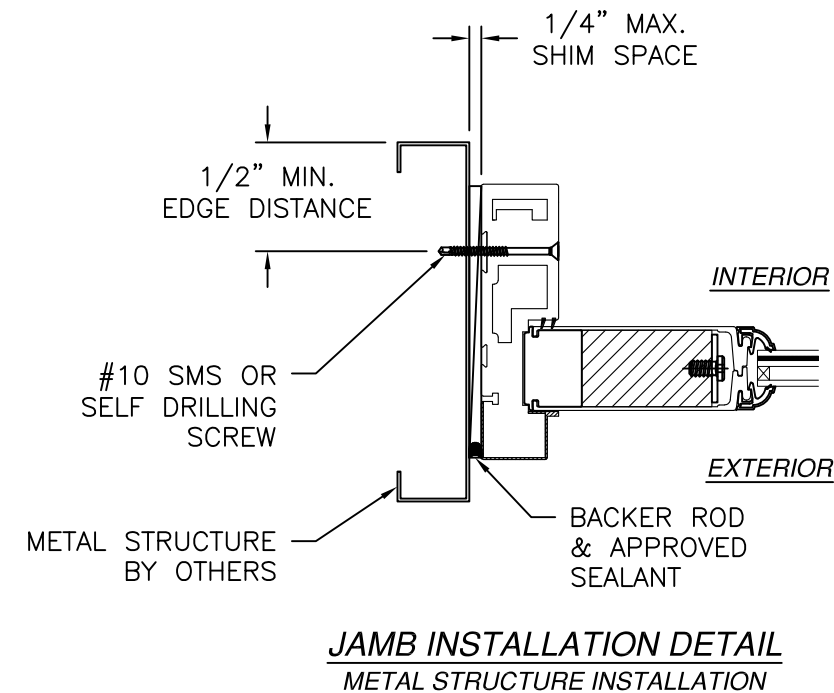
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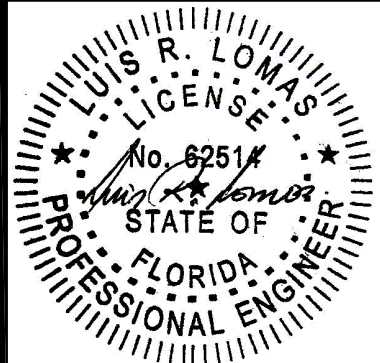


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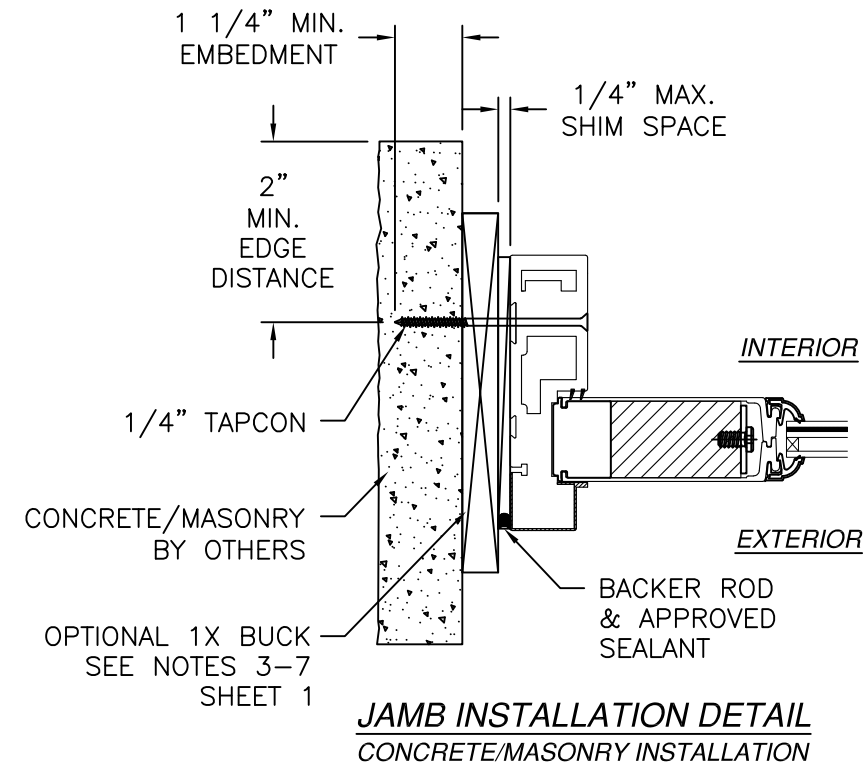
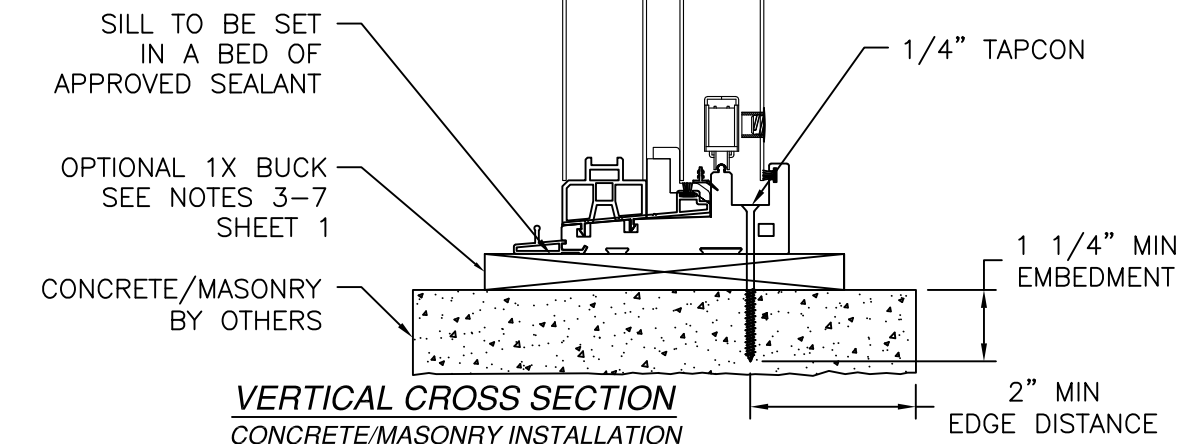
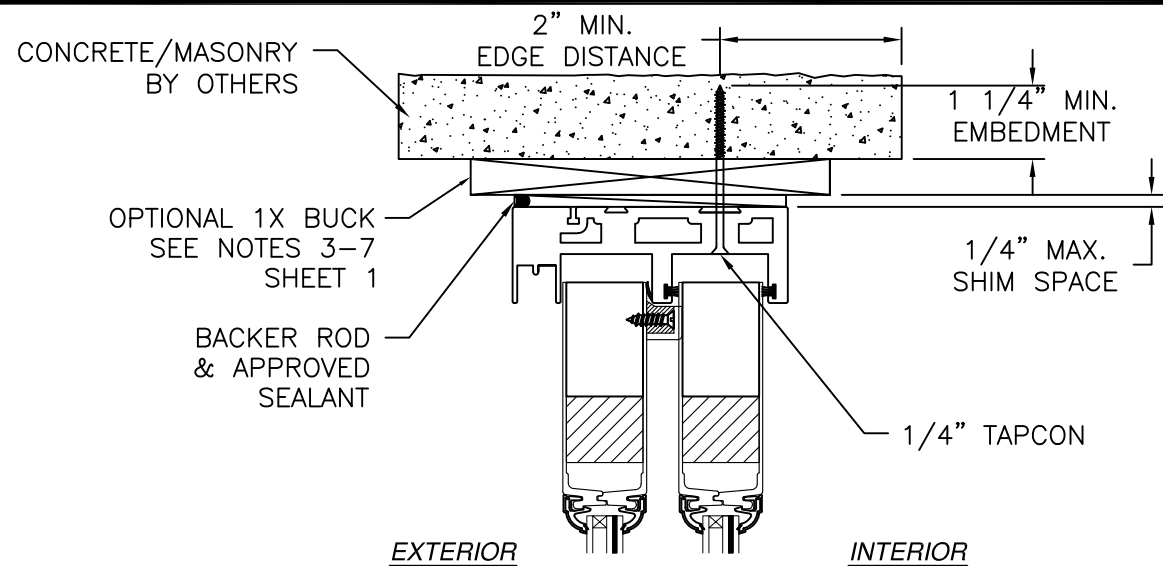
1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
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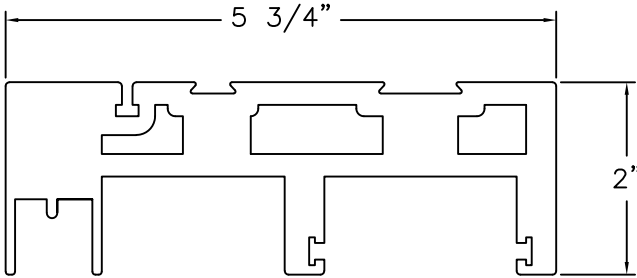
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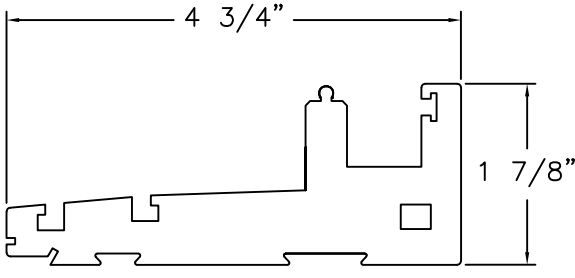
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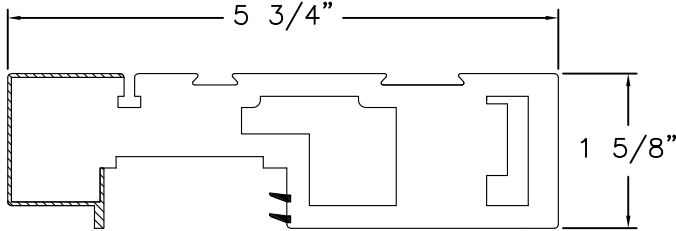
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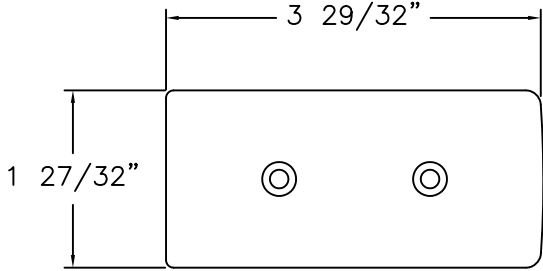
HEAD
FOAM PVC CO-EX



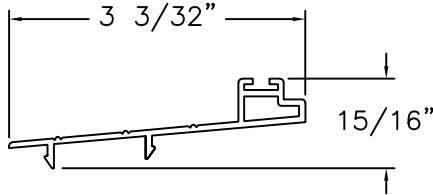
SILL
FOAM PVC



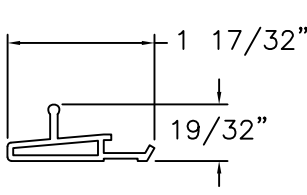
JAMB
FOAM PVC



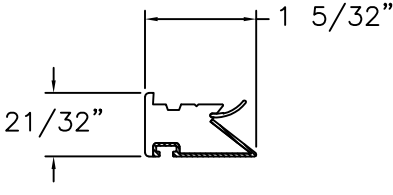
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SOFT PVC



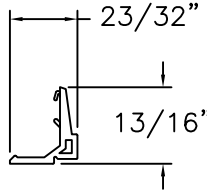
SILL BOARD
ALUMINUM



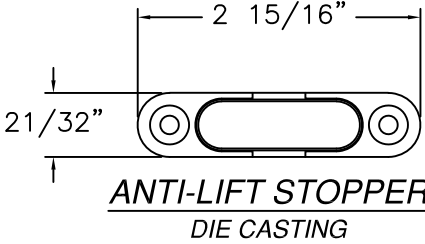
SCREEN TRACK
ALUMINUM



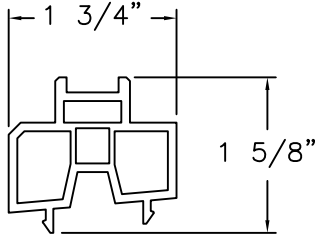
INTERLOCK STRIP
FOAM PVC



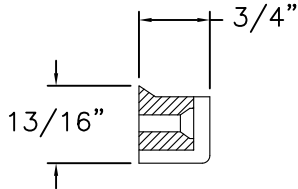
GLAZING BEAD
PVC



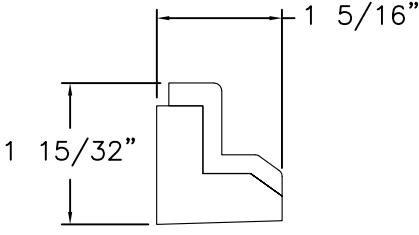
ANTI-LIFT STOPPER
DIE CASTING



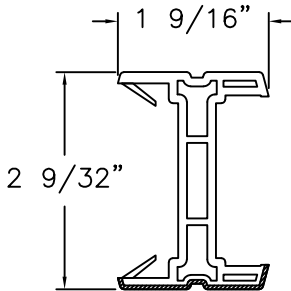
STATIONARY BASE
RIGID PVC



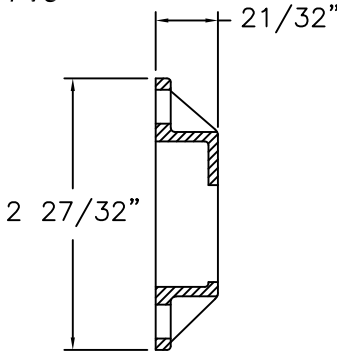
WIND STOPPER (A)
FOAM EPDM



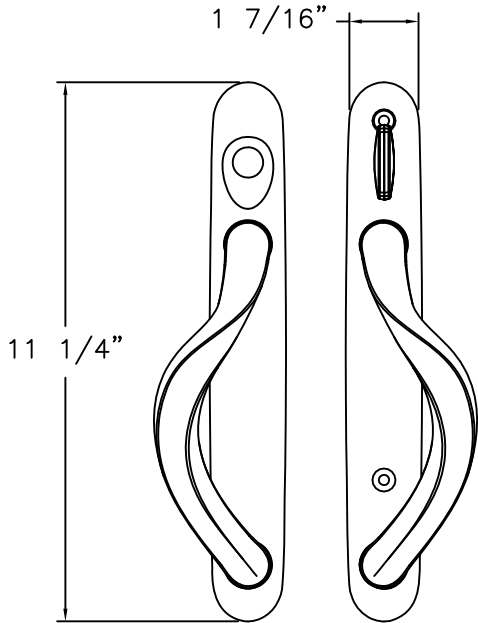
WIND STOPPER (B)
FOAM EPDM



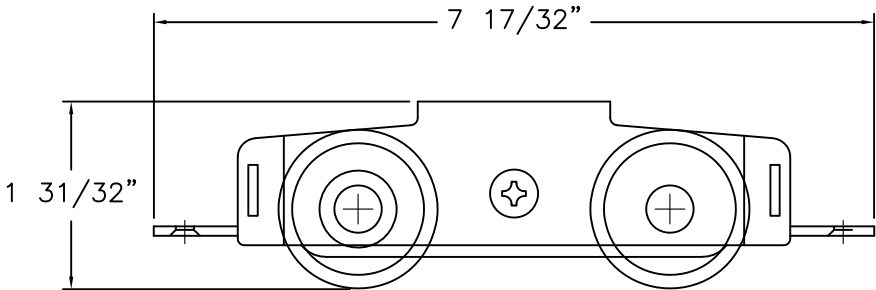
ASTRAGAL STRIP
RIGID PVC



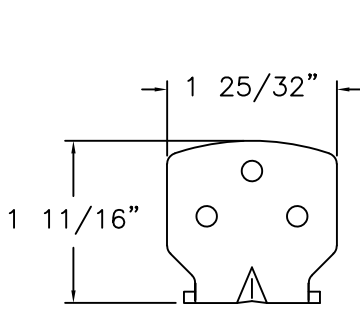
LOCK KEEPER
DIE CASTING



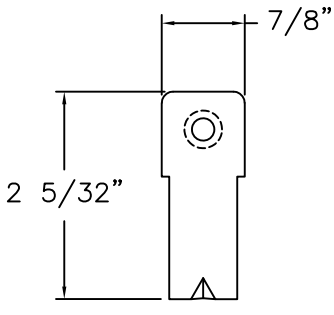
GLIDING HANDLE
DIE CAST, STEEL



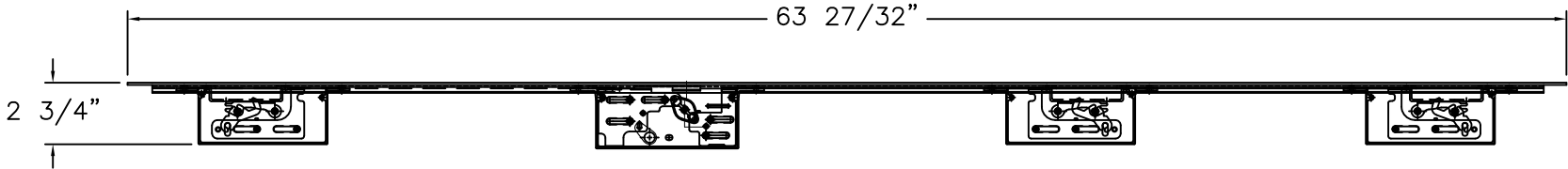
ADJUSTABLE ROLLER
STAINLESS STEEL



TOP BRACKET
STAINLESS STEEL



DOWNSIDE BRACKET
STAINLESS STEEL



MULTI-POINT LOCK
STAINLESS STEEL

NAN YA PLASTICS CORP. USA

8989 NORTH LOOP EAST

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SERIES "SPLS" FIBERGLASS GLAZED

SGD 8'0 WITH 3/4" LITE PANELS - IMPACT

COMPONENTS

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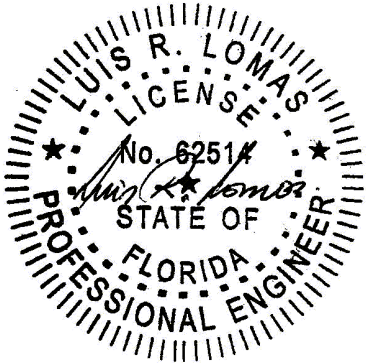
SHEET 9 OF 9

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