

| REVISIONS |                              |            |          |
|-----------|------------------------------|------------|----------|
| REV       | DESCRIPTION                  | DATE       | APPROVED |
| F         | REVISED ADDRESS & SILL RISER | 07/08/2026 | 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 FOAM 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 5 FOR GLASS DETAILS.
15. APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.

16. FOR ANCHORING 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 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 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.

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| 4 – 8             | INSTALLATION DETAILS |
| 9                 | COMPONENTS           |

NAN YA PLASTICS CORP. USA

4016 SHADRACK ST.  
HOUSTON, TX 77013

SERIES SPLS FIBERGLASS  
GLAZED SGD – IMPACT  
NOTES

DRAWN:  
A.P.

DWG NO.  
08-01664

REV  
F

SCALE NTS

DATE 07/03/12

SHEET 1 OF 9

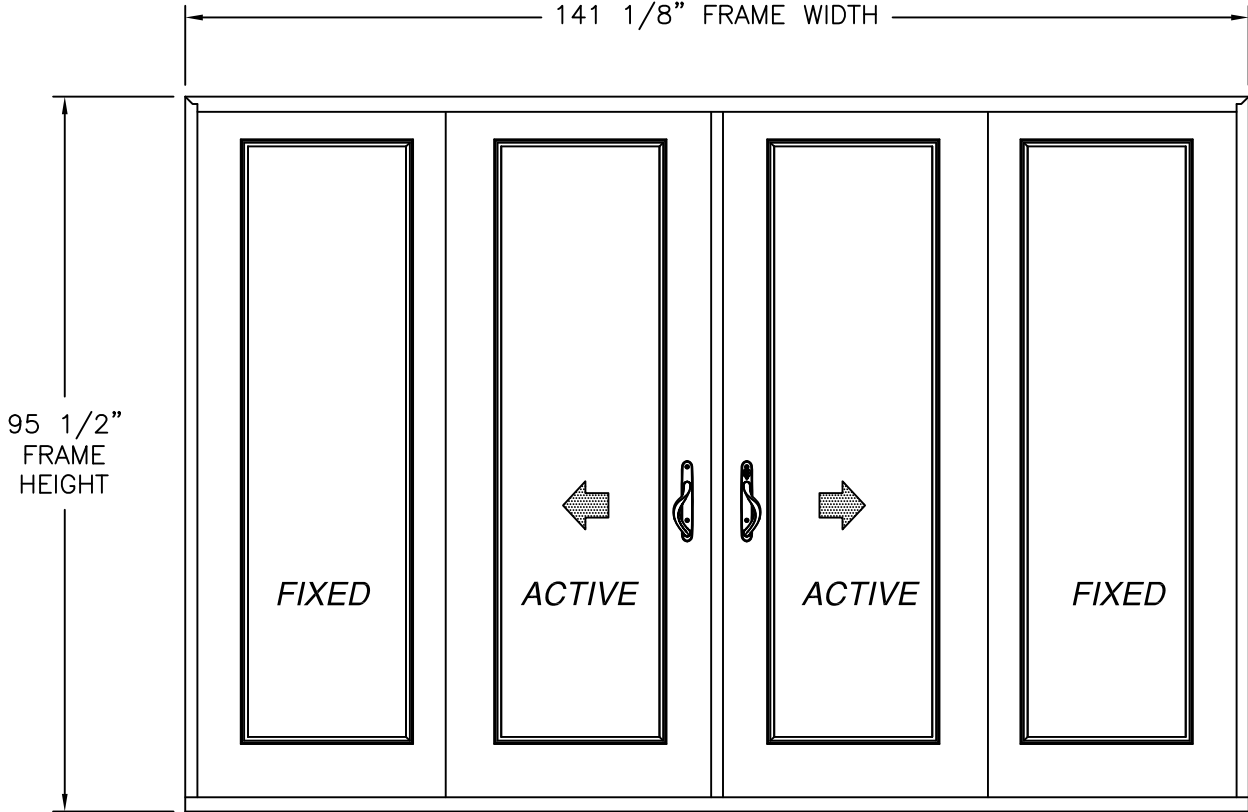
L. ROBERTO LOMAS P.E.  
208 7th Ave, INDIALANTIC, FL 32903  
434-688-0609 rllomas@lrlomaspe.com

SIGNED: 08/07/2026

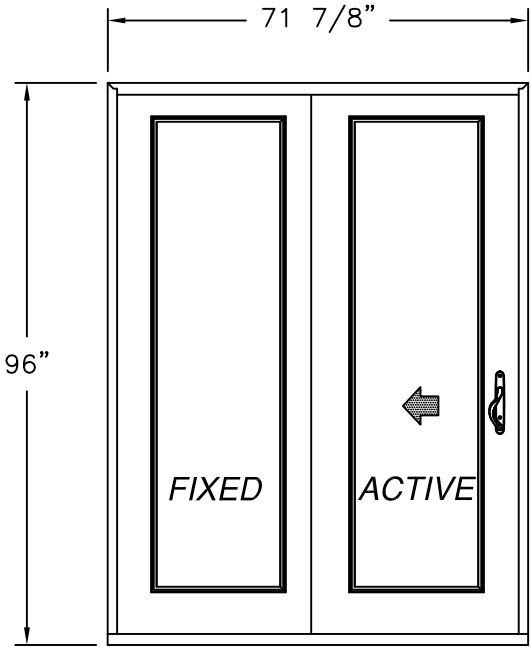
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FL No.: 62514

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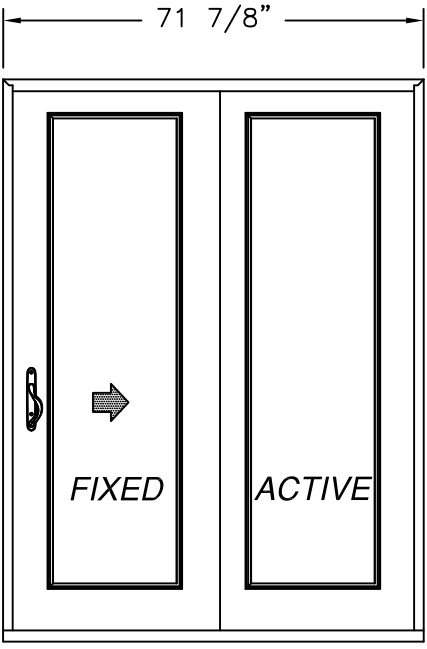
- NOTES:
- PANEL SIZE: 35 3/4" X 92 3/8"
  - D.L.O.: 25" X 79"



SERIES SPLS FIBERGLASS GLAZED SGD OXXO  
EXTERIOR VIEW



SERIES SPLS FIBERGLASS GLAZED SGD OX  
EXTERIOR VIEW



SERIES SPLS FIBERGLASS GLAZED SGD XO  
EXTERIOR VIEW

WITH STANDARD SILL OR SILL RISER

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

MISSILE LEVEL D, WIND ZONE 4

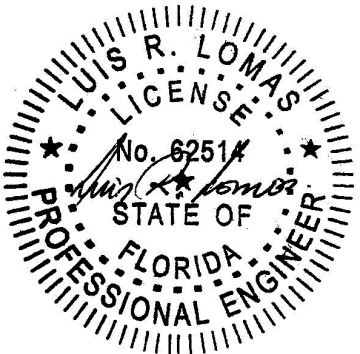
NOTE: STANDARD SILL WAS TESTED TO 7.5PSF WATER PENETRATION RESISTANCE,  
3" SILL RISER WAS TESTED TO 15.0PSF WATER PENETRATION RESISTANCE

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

| HARDWARE SCHEDULE |                                              |
|-------------------|----------------------------------------------|
| A.                | MULTI 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              |

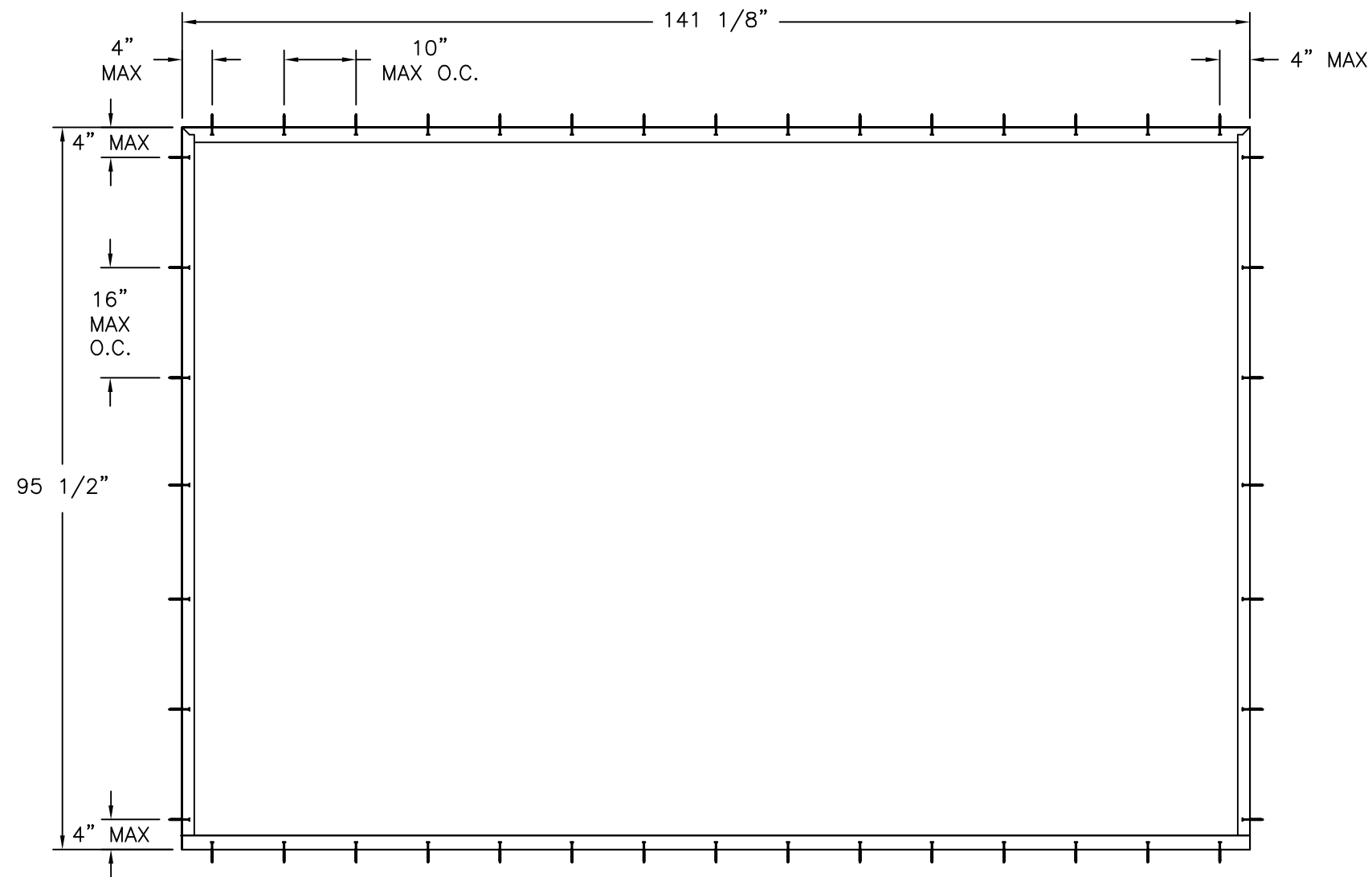
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| SERIES SPLS FIBERGLASS<br>GLAZED SGD – IMPACT<br>ELEVATION                                        |                     |                 |
| DRAWN:<br>A.P.                                                                                    | DWG NO.<br>08-01664 | REV<br>F        |
| SCALE<br>NTS                                                                                      | DATE<br>07/03/12    | SHEET<br>2 OF 9 |
| L. ROBERTO LOMAS P.E.<br>208 7th Ave, INDIALANTIC, FL 32903<br>434-688-0609 rllomas@lrlomaspe.com |                     |                 |

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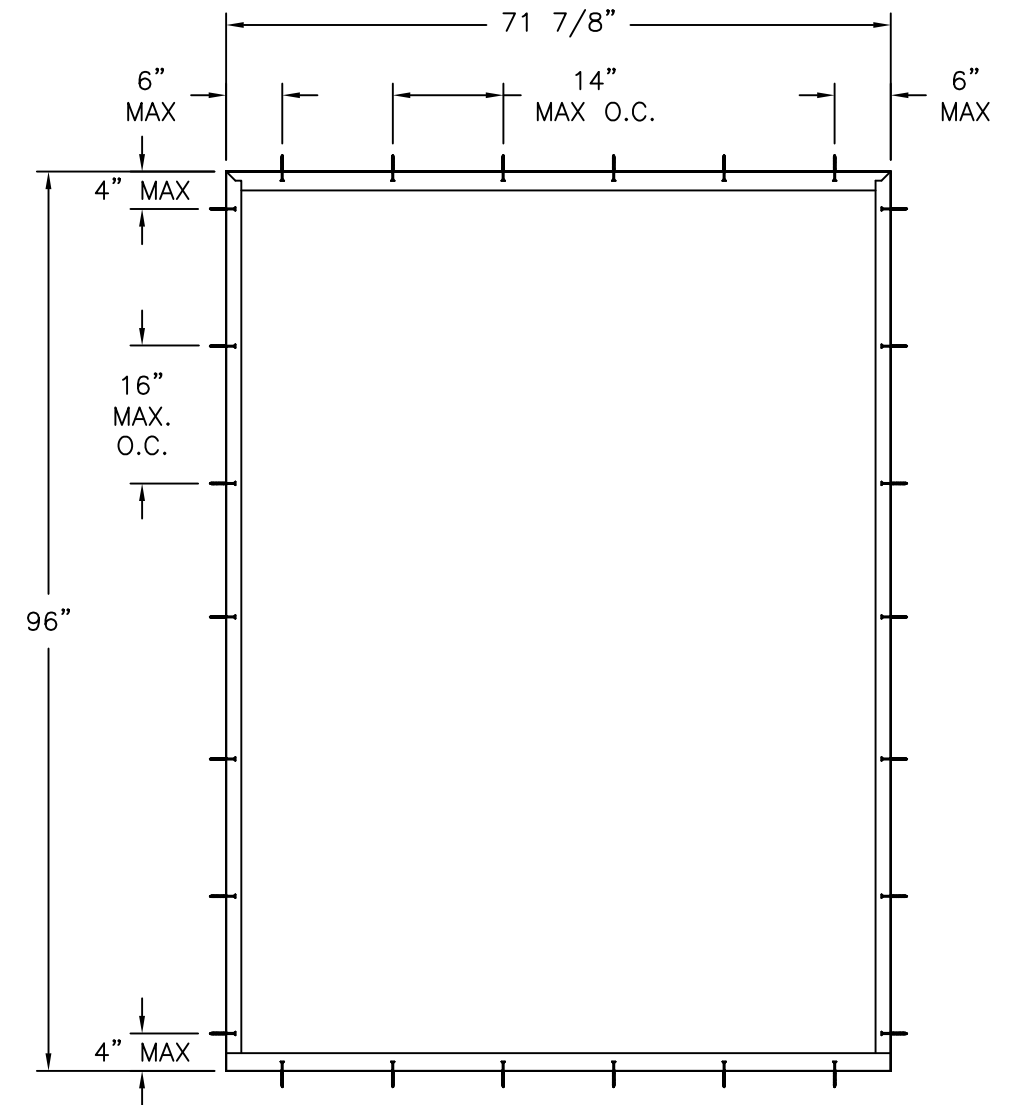


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ANCHORING LAYOUT FOR OXXO  
EXTERIOR VIEW



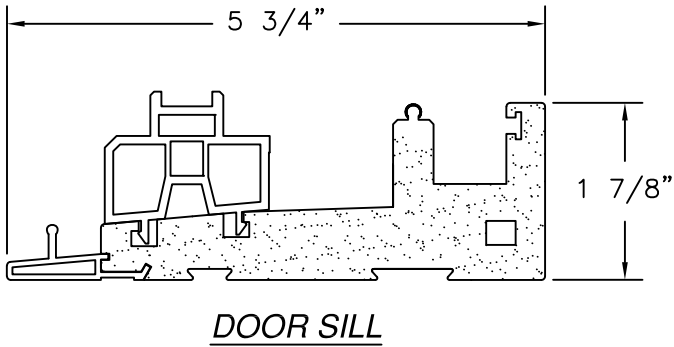
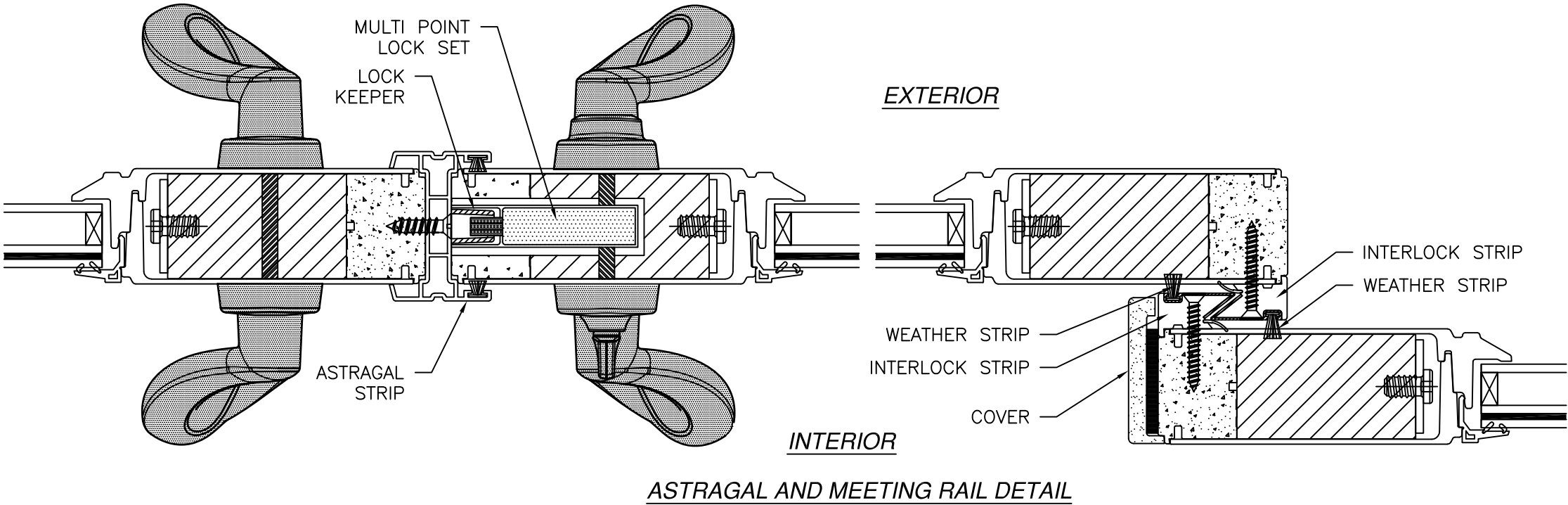
ANCHORING LAYOUT FOR OX OR XO  
EXTERIOR VIEW

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|                                                                                                   |                     |                 |
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| SERIES SPLS FIBERGLASS<br>GLAZED SGD – IMPACT<br>ANCHORING LAYOUTS                                |                     |                 |
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| SCALE<br>NTS                                                                                      | DATE<br>07/03/12    | SHEET<br>3 OF 9 |
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 4016 SHADRACK ST.  
 HOUSTON, TX 77013

SERIES SPLS FIBERGLASS  
 GLAZED SGD – IMPACT  
 INSTALLATION DETAILS

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 08-01664

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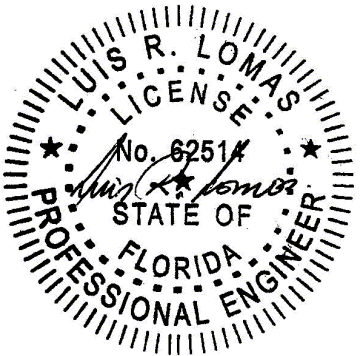
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SHEET  
 4 OF 9

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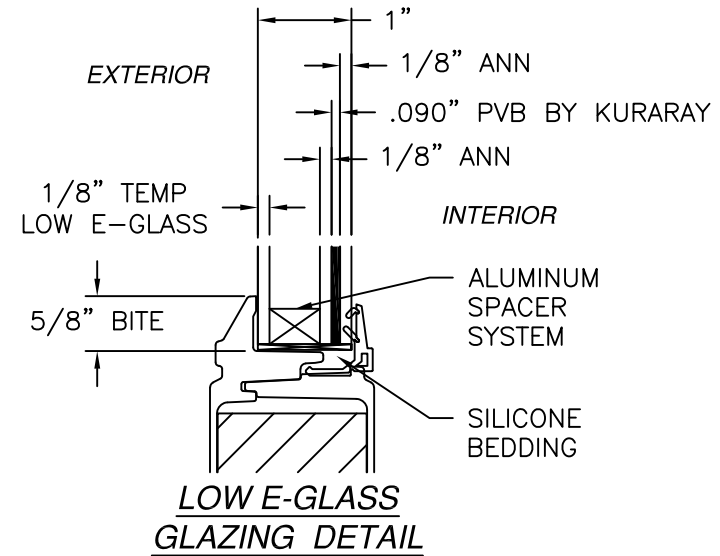
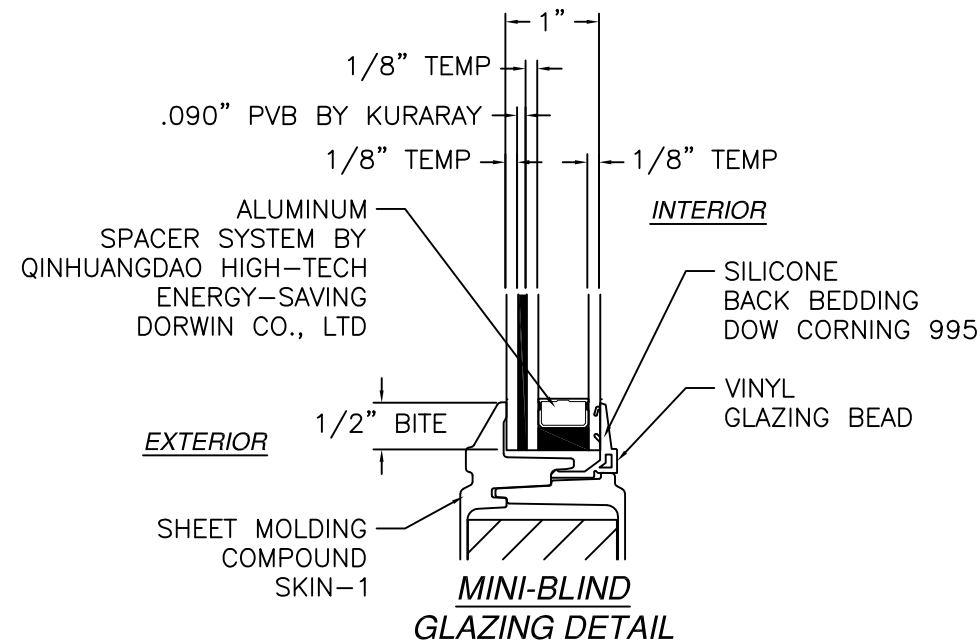
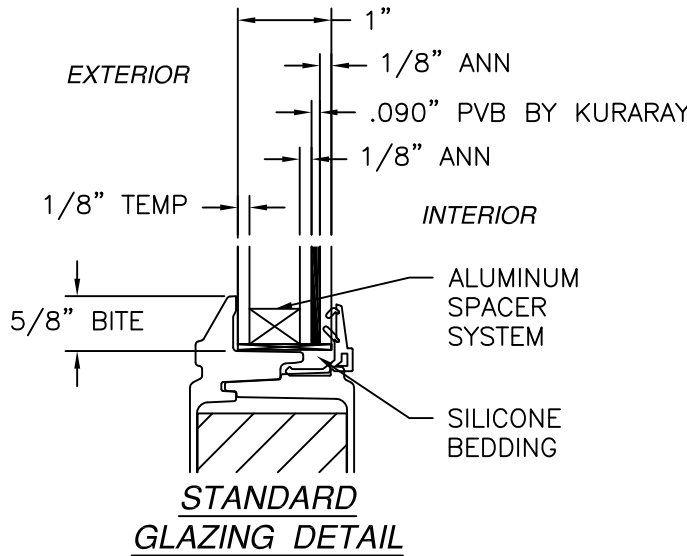
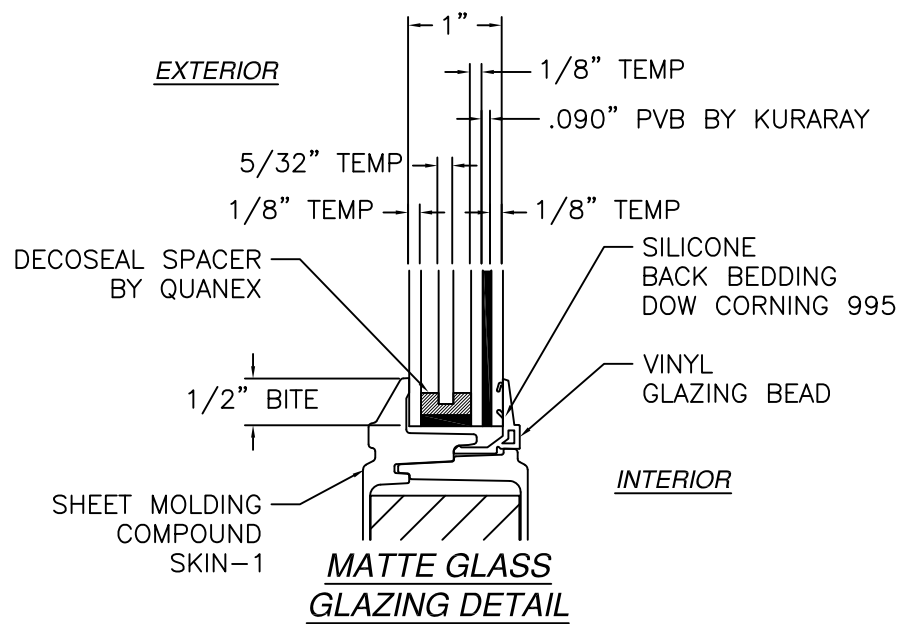
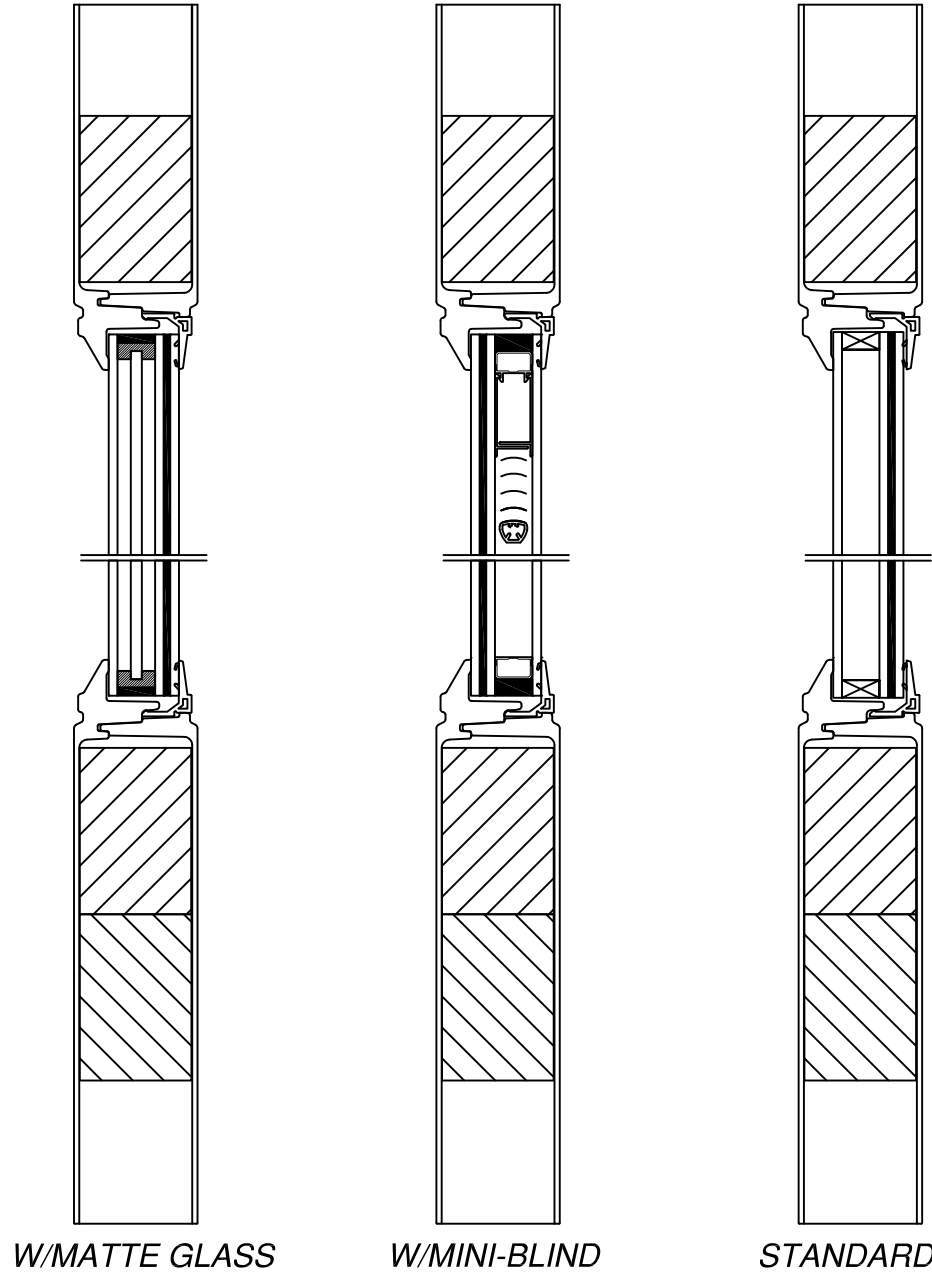
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APPROVED PANEL CONFIGURATIONS



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SERIES SPLS FIBERGLASS  
GLAZED SGD – IMPACT  
GLAZING DETAILS

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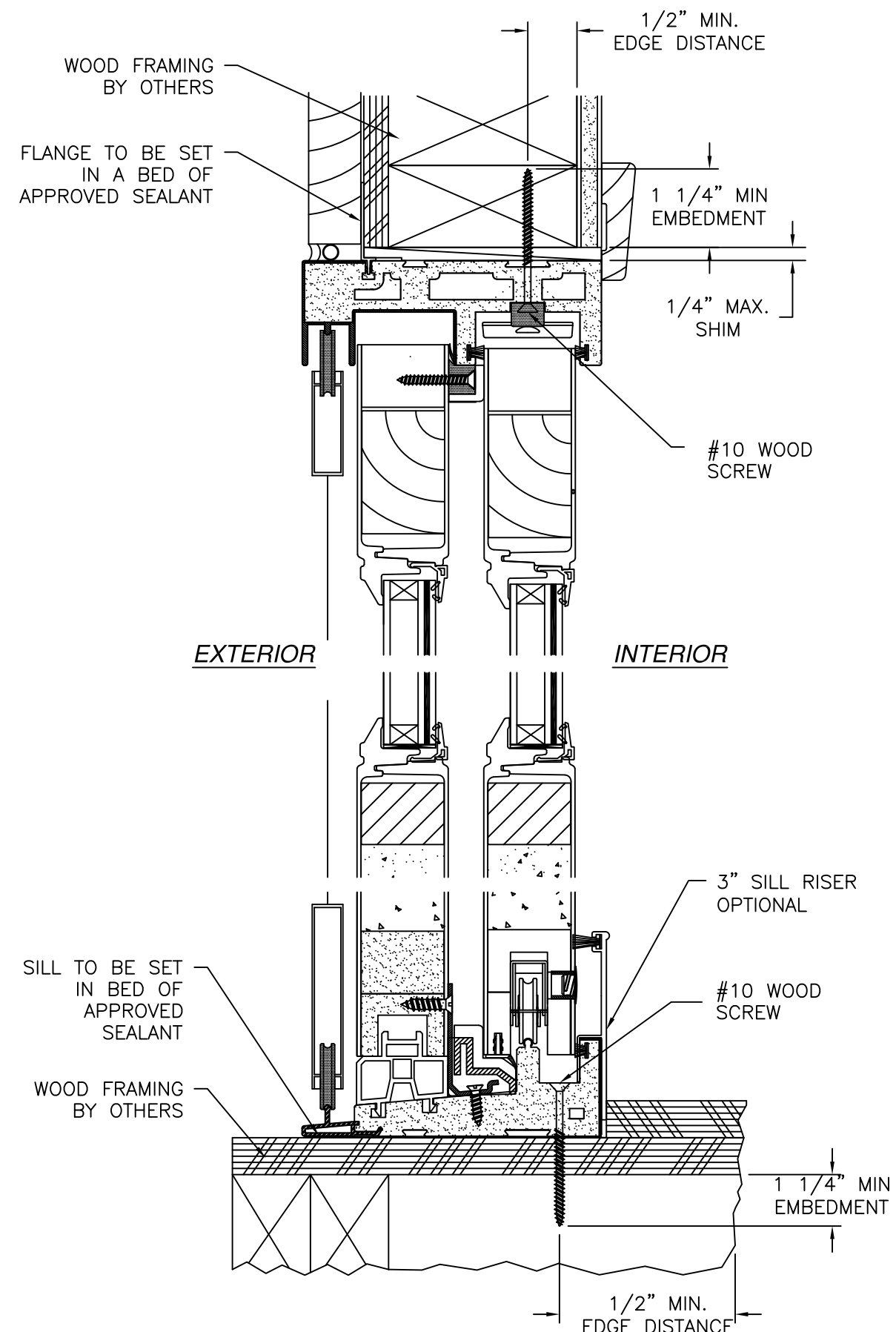
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SHEET 5 OF 9

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434-688-0609 rllomas@lrlomaspe.com

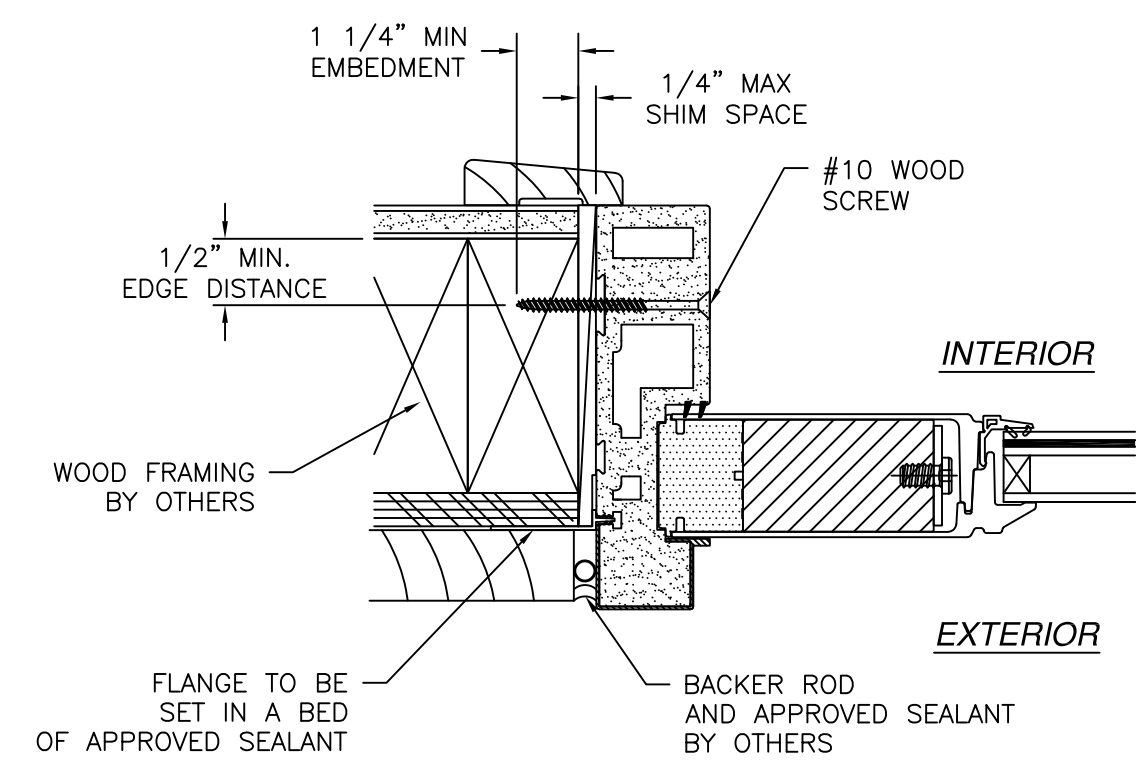
LUIS R. LOMAS  
P.E.  
No. 62514  
STATE OF  
FLORIDA  
PROFESSIONAL ENGINEER

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



**VERTICAL CROSS SECTION**  
 DOOR SHOWN, SIDELITE SIMILAR  
 2X BUCK/WOOD FRAMING INSTALLATION

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**HORIZONTAL CROSS SECTION**  
 2X BUCK/WOOD FRAMING 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

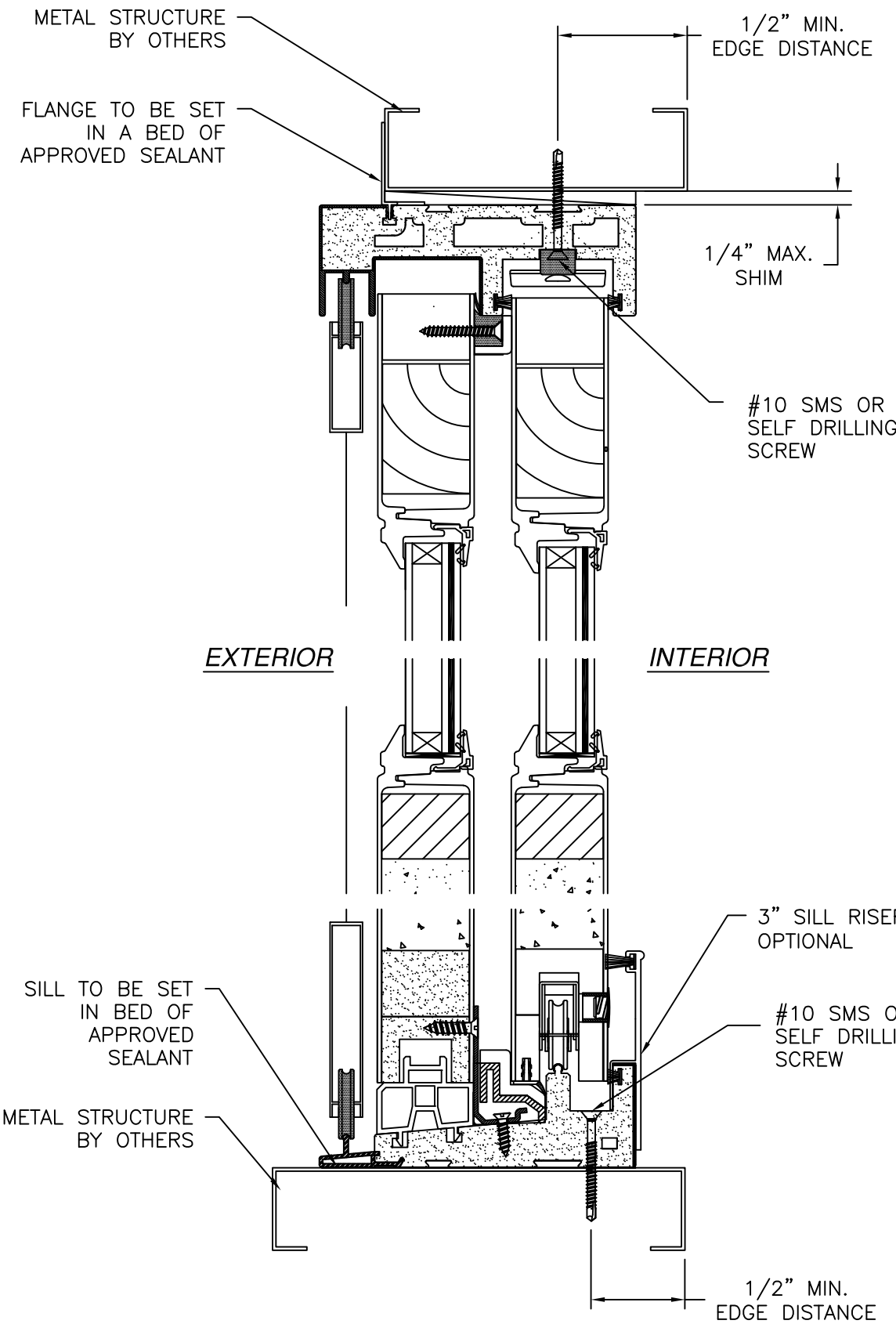
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| SERIES SPLS FIBERGLASS<br>GLAZED SGD - IMPACT<br>INSTALLATION DETAILS                             |                     |                 |
| DRAWN:<br>A.P.                                                                                    | DWG NO.<br>08-01664 | REV<br>F        |
| SCALE<br>NTS                                                                                      | DATE<br>07/03/12    | SHEET<br>6 OF 9 |
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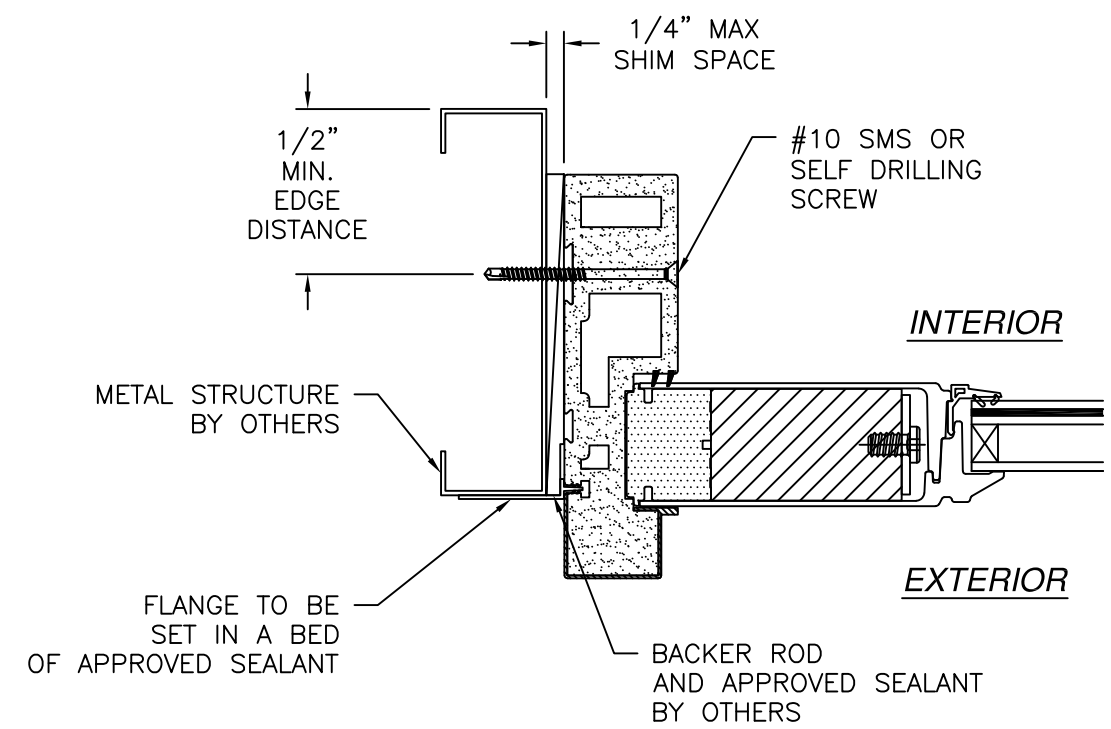
Professional Engineer Seal for Luis R. Lomas, State of Florida, License No. 62514.

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

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**VERTICAL CROSS SECTION**  
DOOR SHOWN, SIDELITE SIMILAR  
METAL STRUCTURE INSTALLATION



**HORIZONTAL CROSS SECTION**  
METAL STRUCTURE INSTALLATION

- NOTES:
1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
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4016 SHADRACK ST.  
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SERIES SPLS FIBERGLASS  
GLAZED SGD – IMPACT  
INSTALLATION DETAILS

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DWG NO. 08-01664

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SHEET 7 OF 9

L. ROBERTO LOMAS P.E.

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LICENS. M. S.

No. 62514

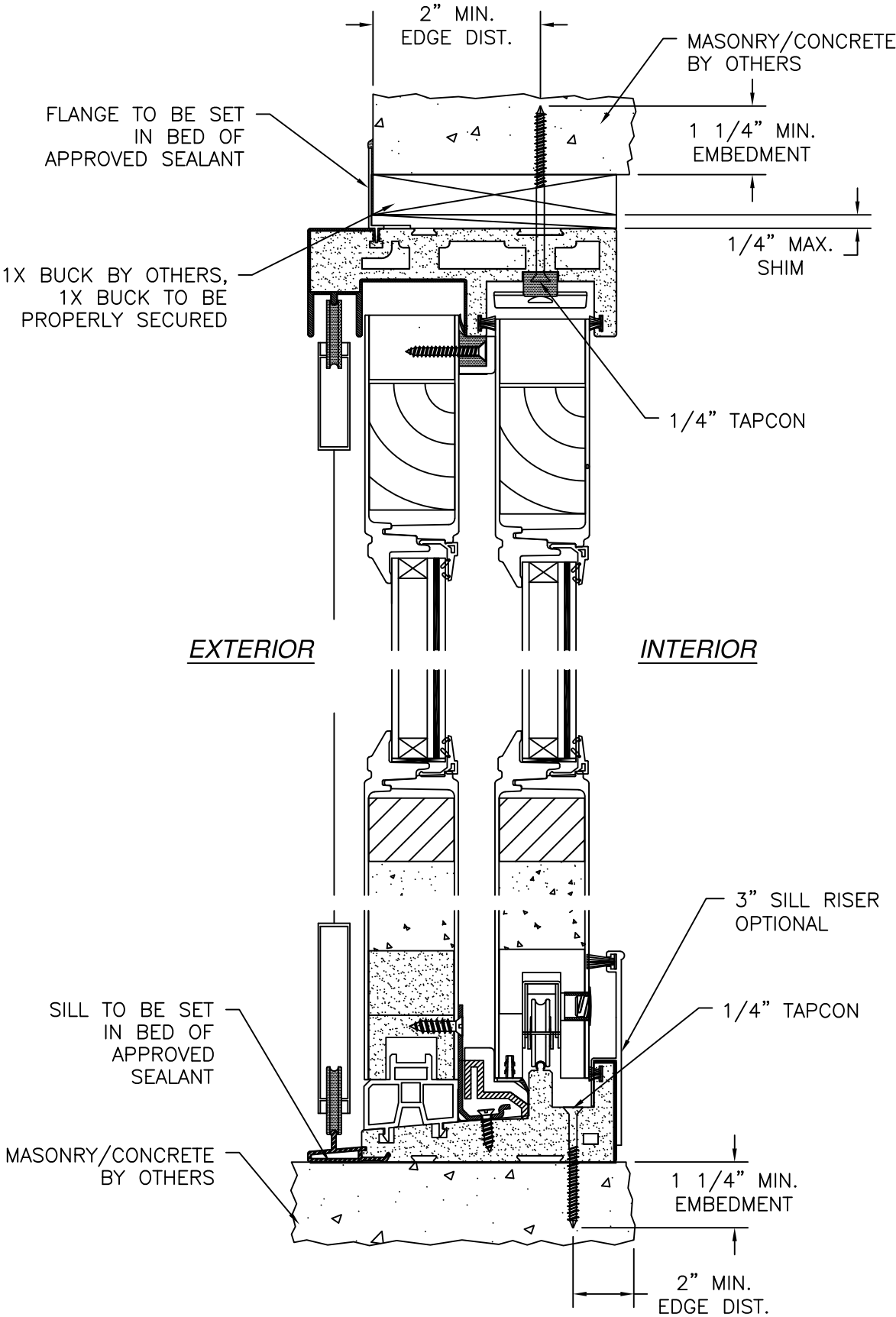
STATE OF FLORIDA

PROFESSIONAL ENGINEER

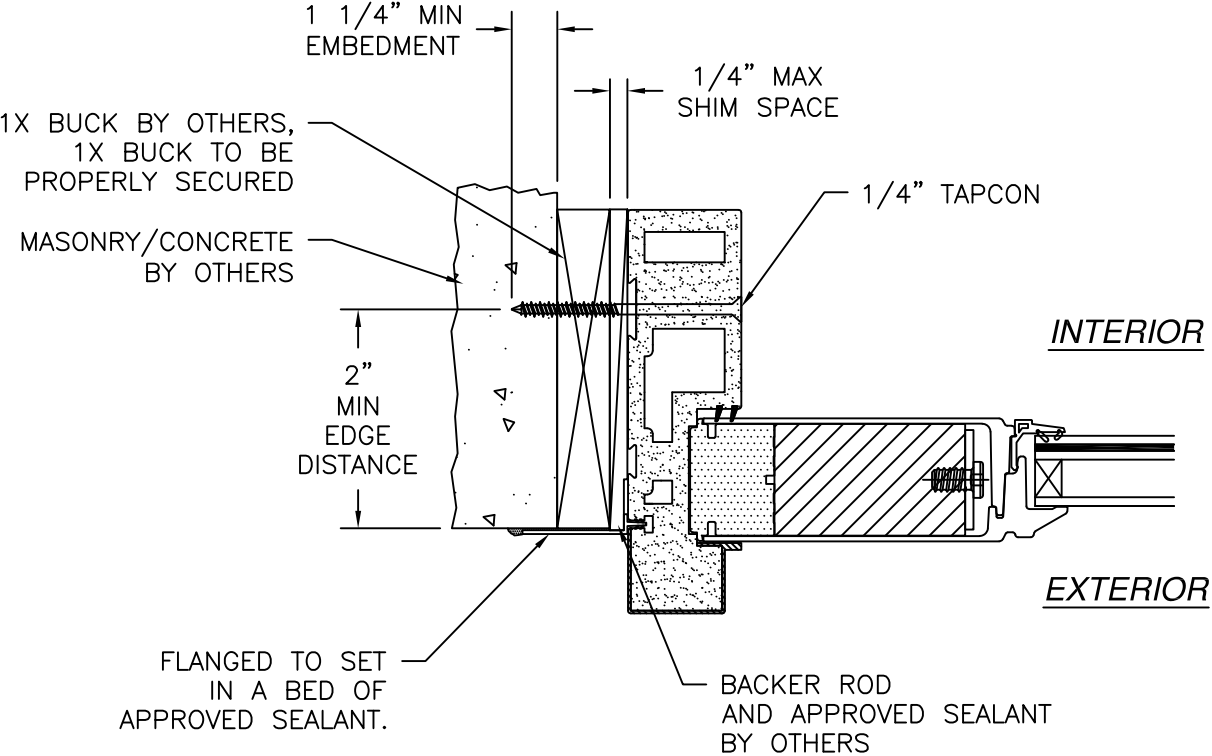
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**VERTICAL CROSS SECTION**  
MASONRY/CONCRETE INSTALLATION  
DOOR SHOWN SIDELITE SIMILAR



**HORIZONTAL CROSS SECTION**  
MASONRY/CONCRETE INSTALLATION

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

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REV F

SCALE NTS

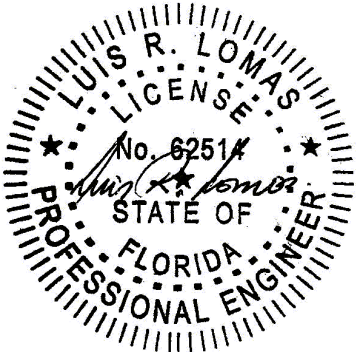
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SHEET 8 OF 9

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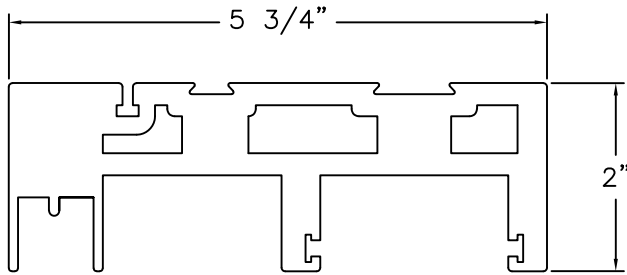
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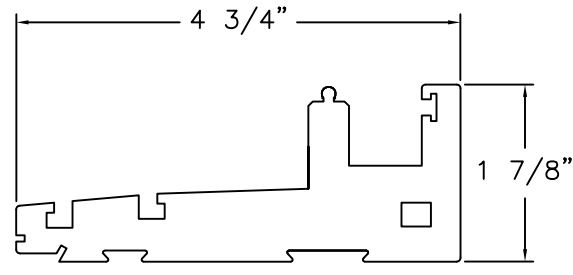


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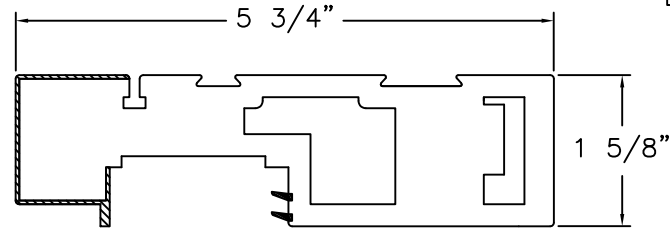
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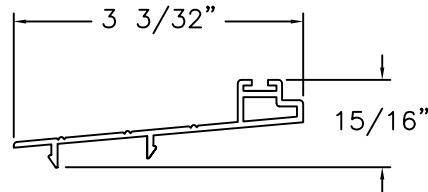
**HEAD**  
FOAM PVC CO-EX



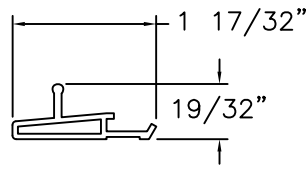
**SILL**  
FOAM PVC



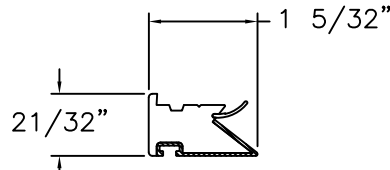
**JAMB**  
FOAM PVC



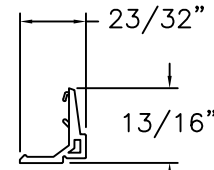
**SILL BOARD**  
ALUMINUM



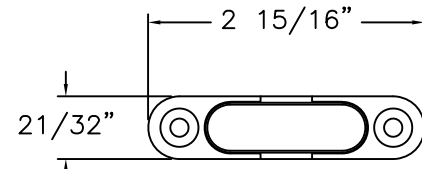
**SCREEN TRACK**  
ALUMINUM



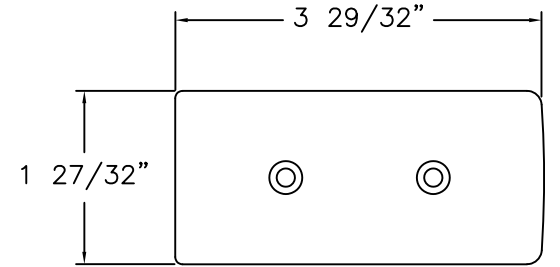
**INTERLOCK STRIP**  
FOAM PVC



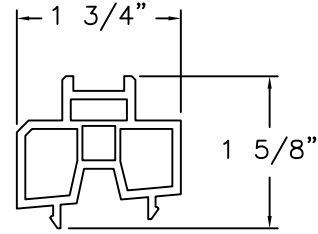
**GLAZING BEAD**  
PVC



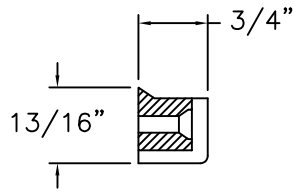
**ANTI-LIFT STOPPER**  
DIE CASTING



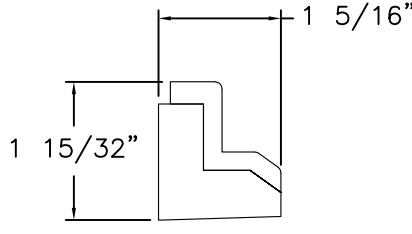
**HEAD BUMPER**  
SOFT PVC



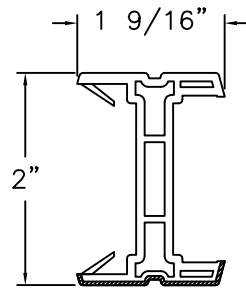
**STATIONARY BASE**  
RIGID PVC



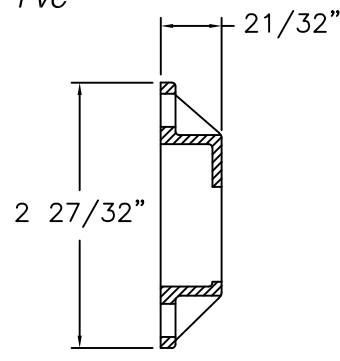
**WIND STOPPER (A)**  
FOAM EPDM



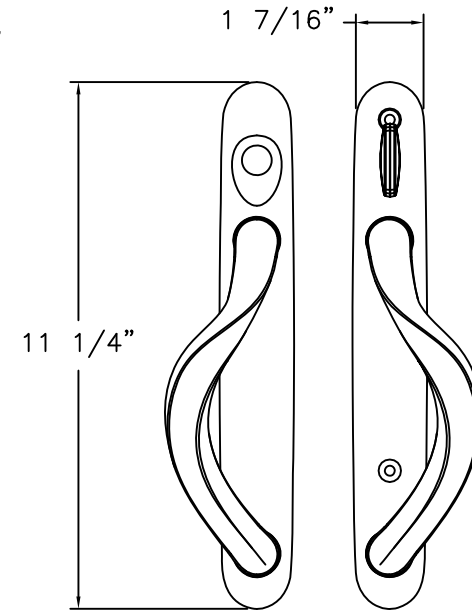
**WIND STOPPER (B)**  
FOAM EPDM



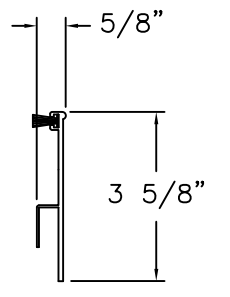
**ASTRAGAL STRIP**  
RIGID PVC



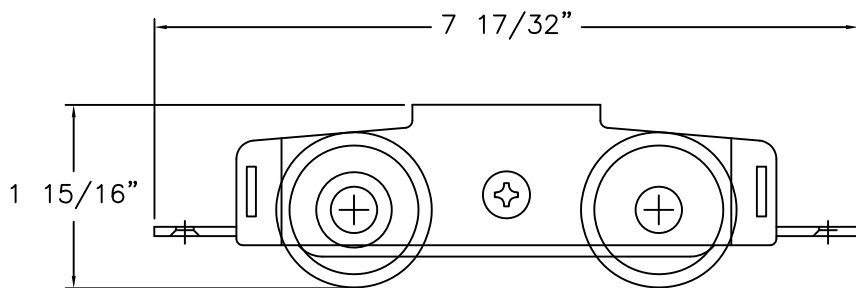
**LOCK KEEPER**  
DIE CASTING



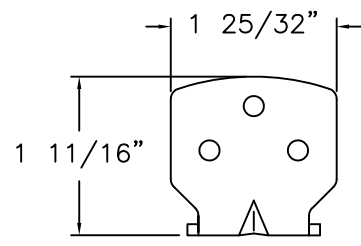
**GLIDING HANDLE**  
DIE CAST, STEEL



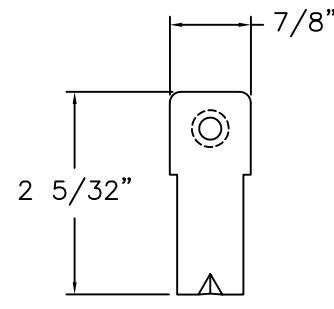
**SILL RISER**  
ALUMINUM



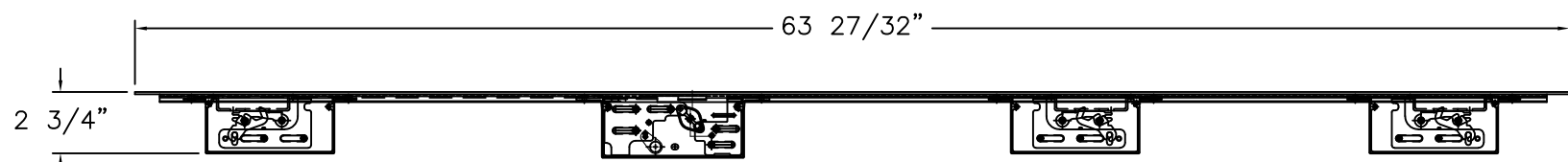
**ADJUSTABLE ROLLER**  
STAINLESS STEEL



**TOP BRACKET**  
STAINLESS STEEL



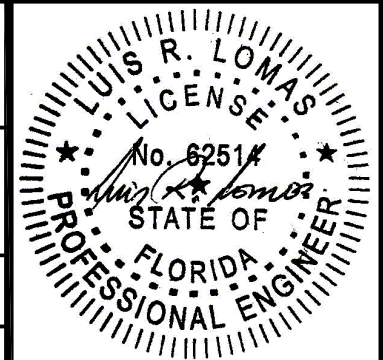
**DOWNSIDE BRACKET**  
STAINLESS STEEL



**MULTI-POINT LOCK**  
STAINLESS STEEL

|                                                                                                   |                     |                 |
|---------------------------------------------------------------------------------------------------|---------------------|-----------------|
| NAN YA PLASTICS CORP. USA<br>4016 SHADRACK ST.<br>HOUSTON, TX 77013                               |                     |                 |
| SERIES SPLS FIBERGLASS<br>GLAZED SGD – IMPACT<br>COMPONENTS                                       |                     |                 |
| DRAWN:<br>A.P.                                                                                    | DWG NO.<br>08-01664 | REV<br>F        |
| SCALE<br>NTS                                                                                      | DATE<br>07/03/12    | SHEET<br>9 OF 9 |
| L. ROBERTO LOMAS P.E.<br>208 7th Ave, INDIALANTIC, FL 32903<br>434-688-0609 rllomas@lrlomaspe.com |                     |                 |

SIGNED: 08/07/2026



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