

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
D	REVISED TO ADD GLAZING DETAILS	05/13/2025	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" WINDOW 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. WINDOW 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 WINDOW 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: .075" THICK FIBERGLASS SKIN WITH 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 7 FOR GLAZING 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 3/16" TAPCONS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/4" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 2 1/2" 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 3,200 PSI.
 - C. MASONRY - HOLLOW/FILLED BLOCK PER ASTM C90 WITH Fm=2,000PSI MINIMUM.
 - D. METAL STRUCTURE: STEEL 18GA, 33KSI OR ALUMINUM 6063-T5 .125" THICK MINIMUM
21. APPROVED CONFIGURATIONS: O, X, OX, XO, XX, OXO, XXO, OXX AND OXXO.
22. HINGES LOCATED AT 8 3/4", 39 1/2" AND 71 3/8" FROM TOP OF PANEL.

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NAN YA PLASTICS CORPORATION U.S.A.

8989 NORTH LOOP EAST
HOUSTON, TX 77029

IN-SWING ENTRANCE DOOR W/SIDELITES
FIBERGLASS IMPACT GLAZED
NOTES

DRAWN:
V.L.

DWG NO.
08-01549D

REV
D

SCALE NTS

DATE 04/30/12

SHEET 1 OF 13

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

SIGNED: 05/21/2025

LUIS R. LOMAS

LICENSE

No. 62514

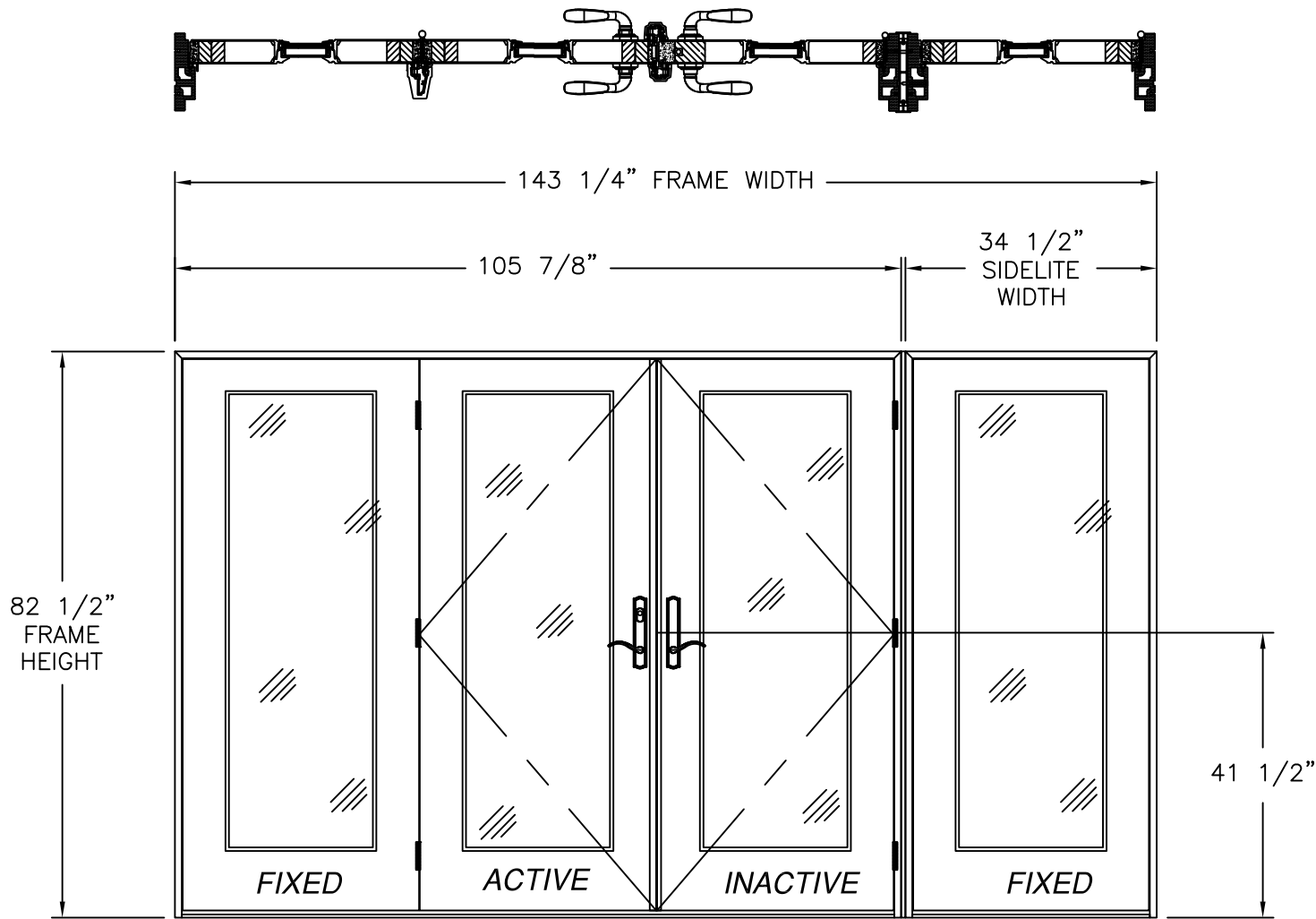
STATE OF

FLORIDA

PROFESSIONAL ENGINEER

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

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- NOTES:
- PANEL SIZE: 34 1/2" X 79 1/8"
 - D.L.O.: 25" X 63"

IN-SWING ENTRANCE DOOR
DOUBLE DOOR W/ SIDELITES
EXTERIOR VIEW

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

MISSILE LEVEL D, WIND ZONE 4

(4) PANELS SHOWN, UNLIMITED NUMBER OF PANELS IN UNLIMITED CONFIGURATIONS ARE APPROVED AS LONG AS INDIVIDUAL PANEL AREA DOES NOT EXCEED 18.95 FT²

HARDWARE SCHEDULE

- A. 2 POINT LOCK BY NINGBO MICOTA (INACTIVE PANEL)
- B. 3 POINT LOCK BY NINGBO MICOTA (ACTIVE PANEL)
- C. (4) 4"x4" BUTT HINGES BY WENZHOU LONGTAI (PER PANEL)
- D. ALUMINUM & PVC FOAM ASTRAGAL BY NAN YA PLASTICS
- E. ALUMINUM & PVC FOAM MULLION BY NAN YA PLASTICS

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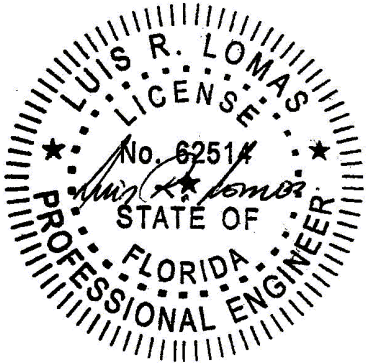
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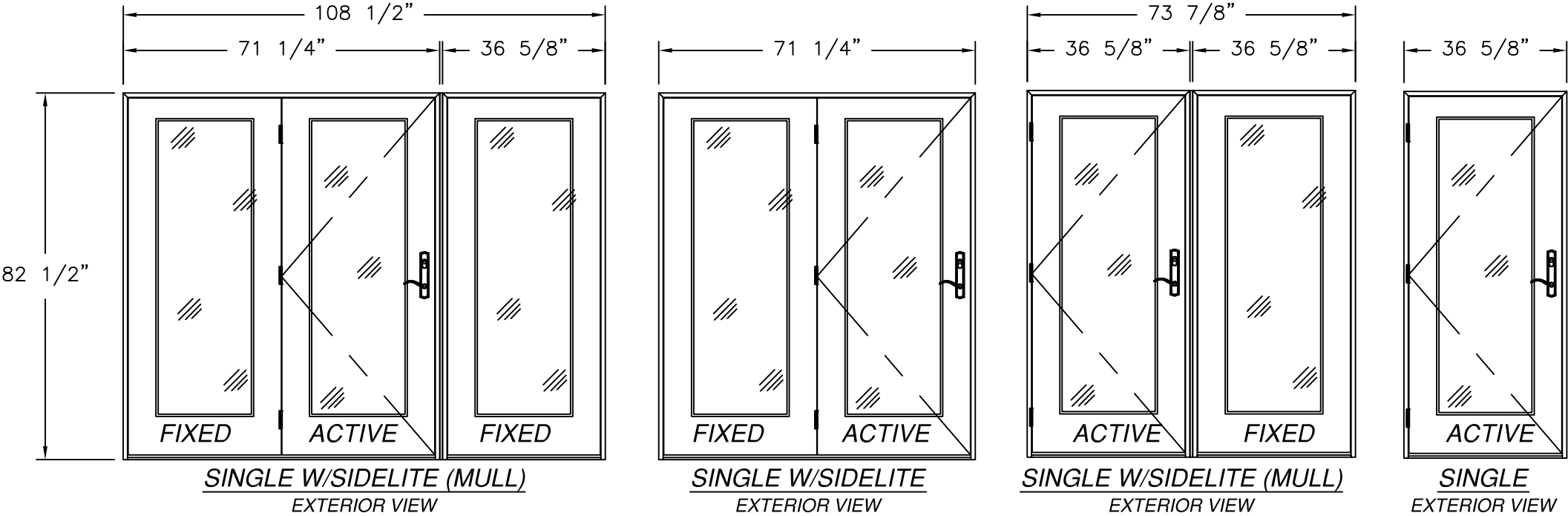
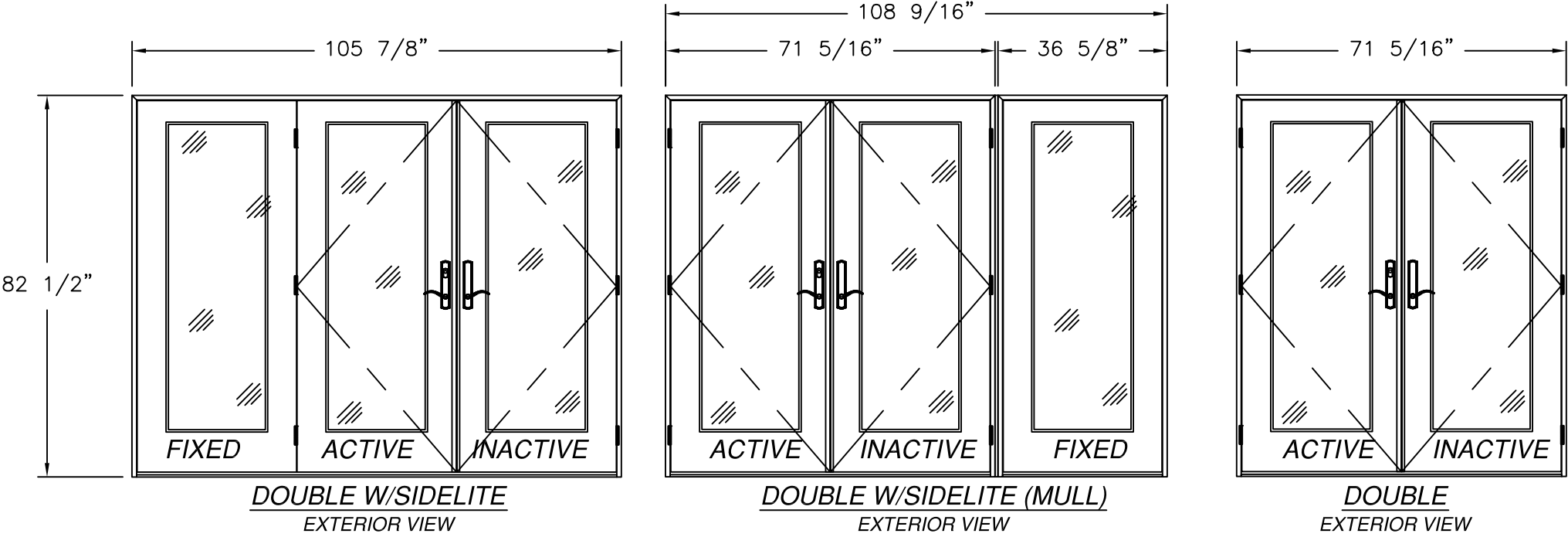
SHEET
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NOTE:
ALL APPROVED CONFIGURATIONS ARE SHOWN AS LEFT
HAND ACTIVE, RIGHT HAND ACTIVE IS ALSO APPROVED.

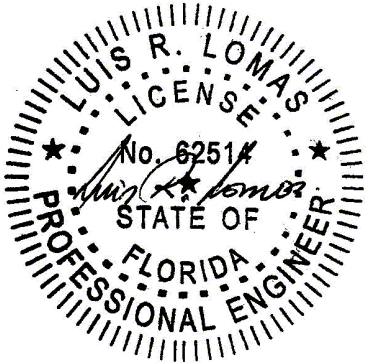
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IN-SWING ENTRANCE DOOR W/SIDELITES
 FIBERGLASS IMPACT GLAZED
 ADDITIONAL CONFIGURATIONS

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SCALE NTS	DATE 04/30/12	SHEET 3 OF 13

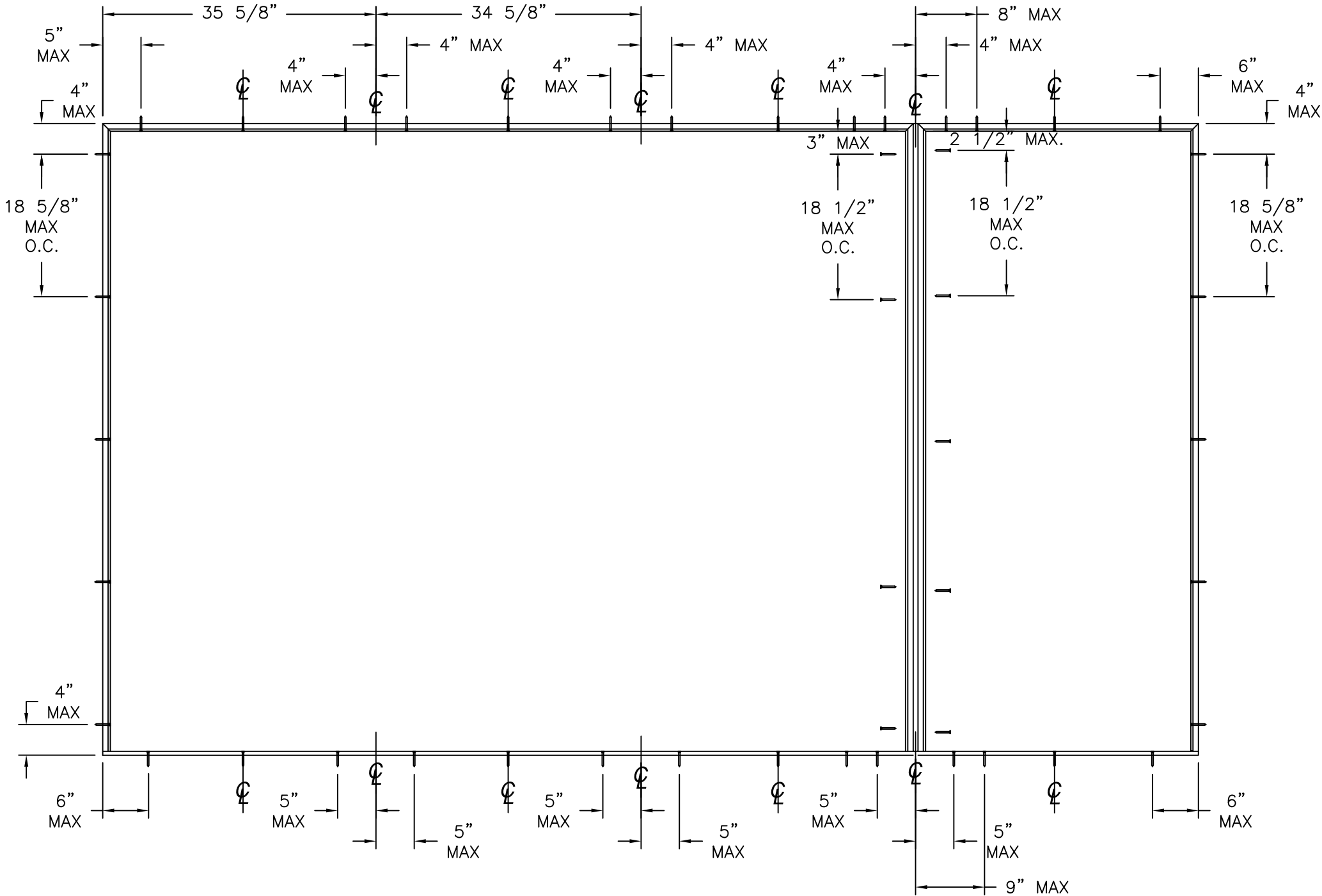
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ANCHORING LAYOUT

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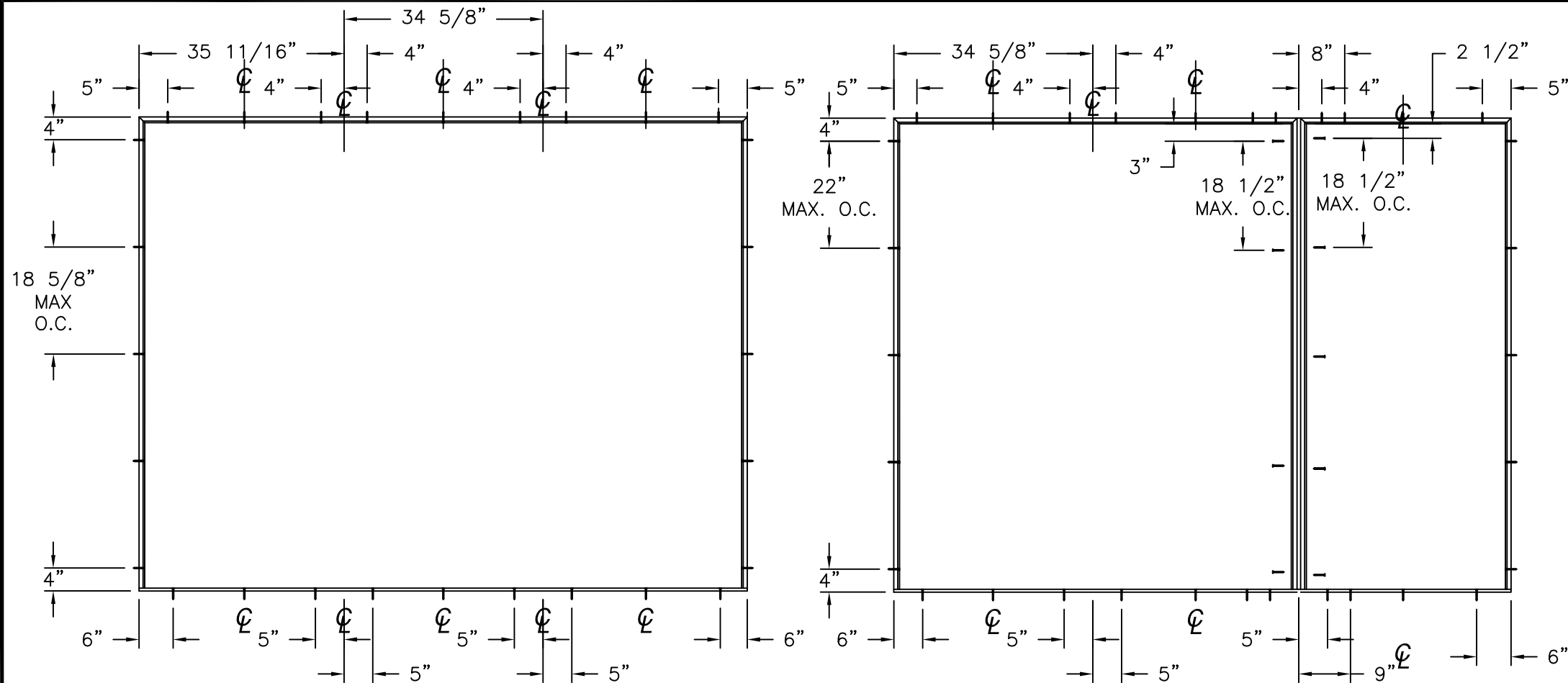
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FIBERGLASS IMPACT GLAZED
ANCHORING LAYOUT

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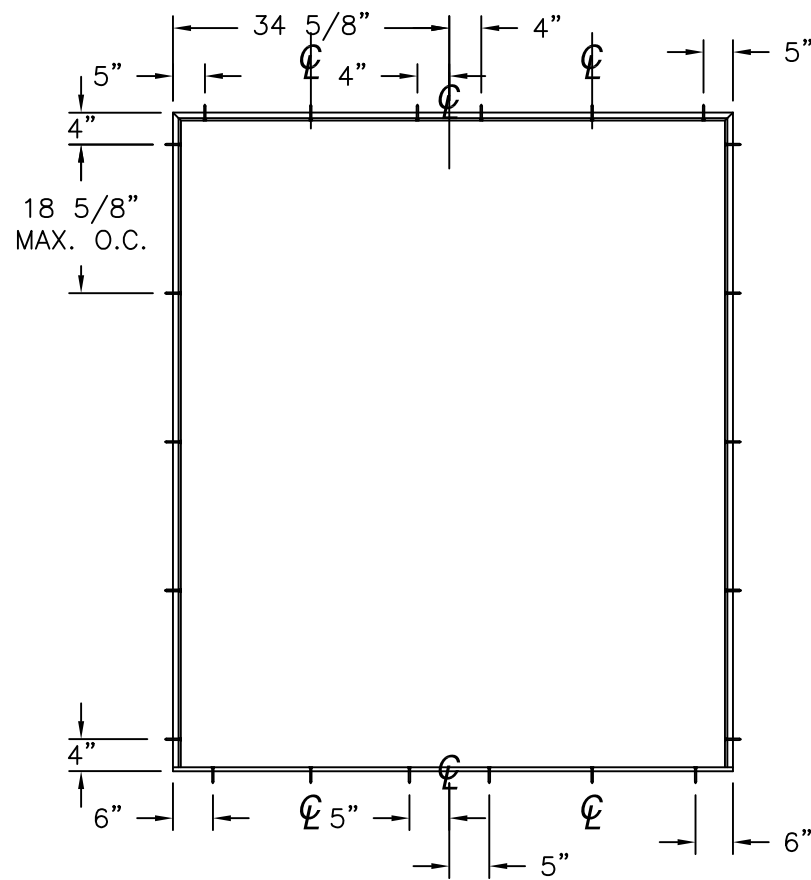
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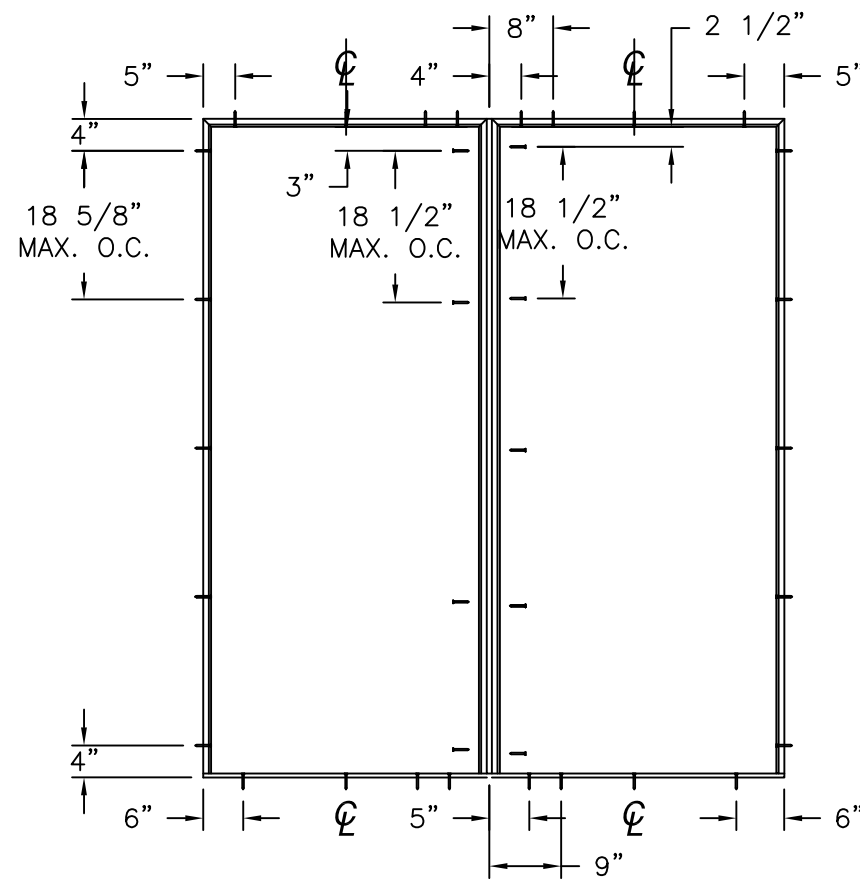


ANCHORING LAYOUT FOR OXO, XXO AND OXX

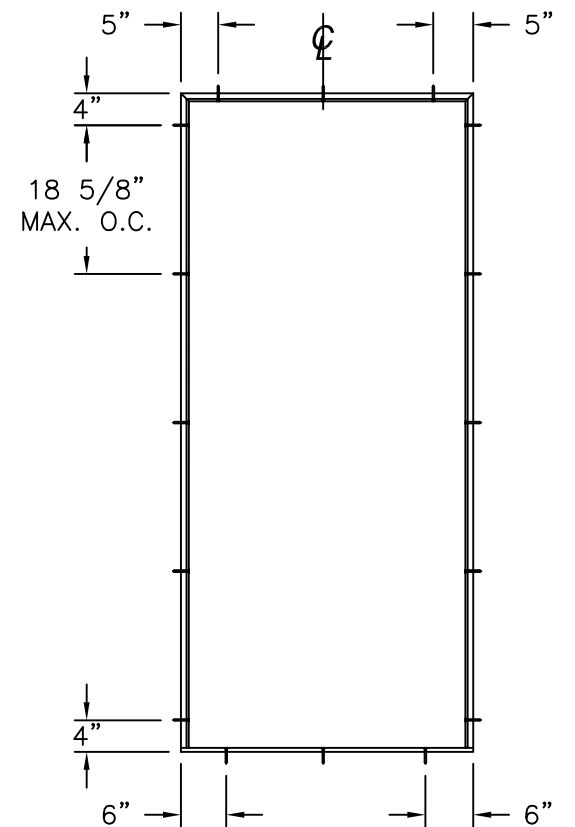
ANCHORING LAYOUT FOR OXO, XXO AND OXX (MULL)



ANCHORING LAYOUT FOR XX, OX AND XO



ANCHORING LAYOUT FOR OX AND XO (MULL)



ANCHORING LAYOUT FOR X

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FIBERGLASS IMPACT GLAZED
ANCHORING LAYOUTS

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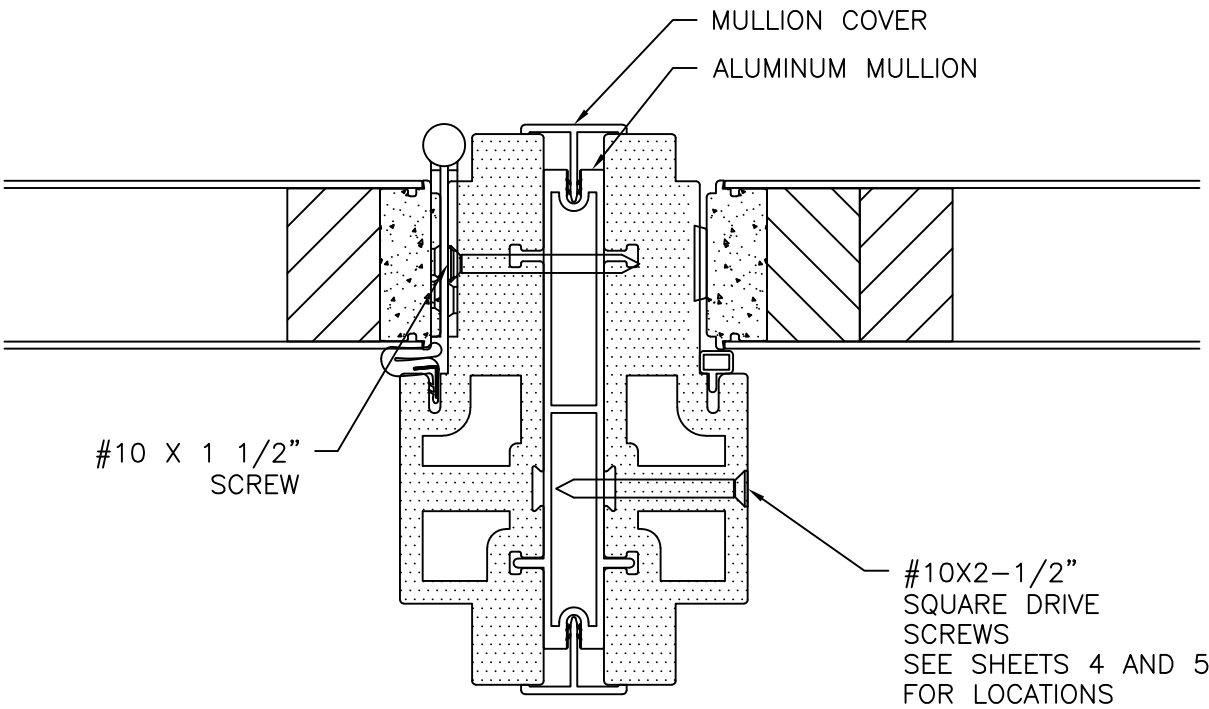
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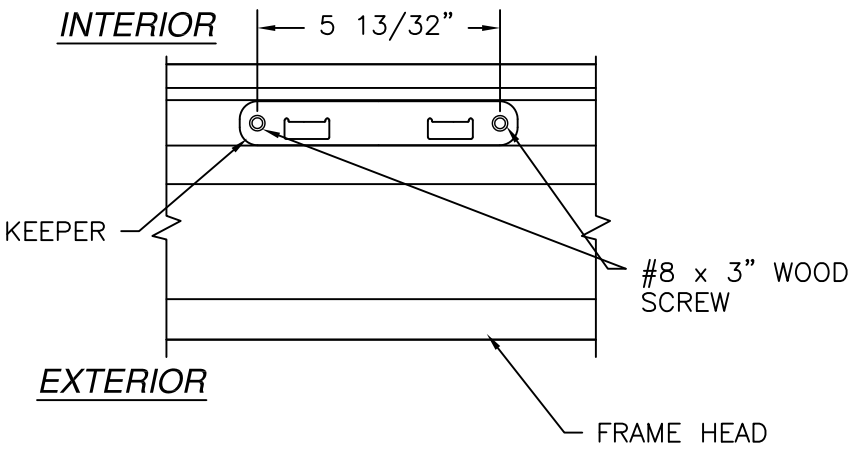
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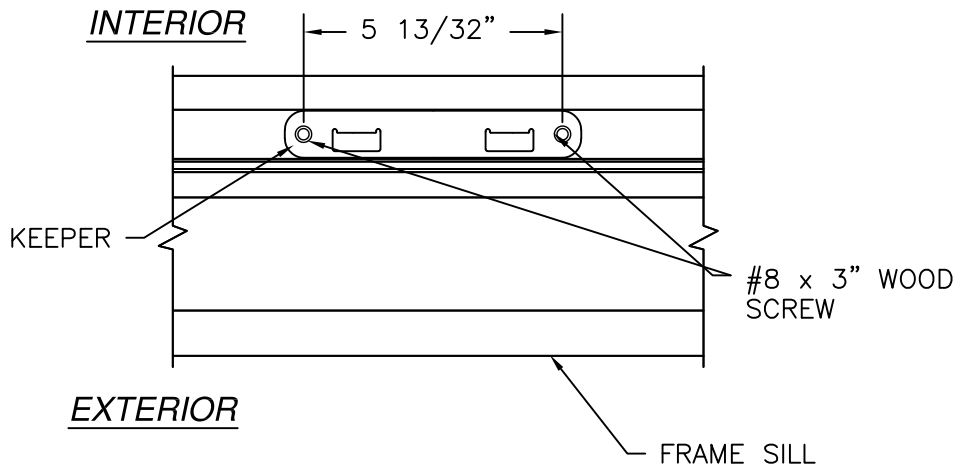
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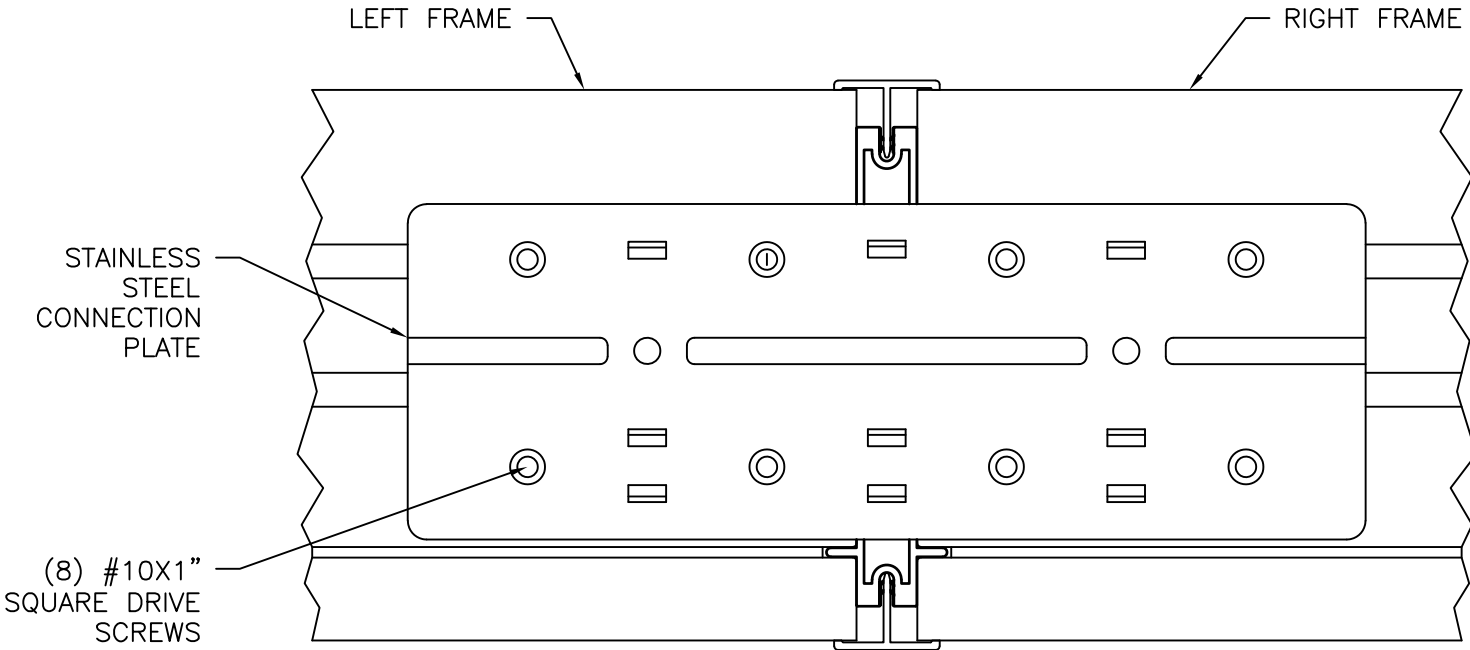
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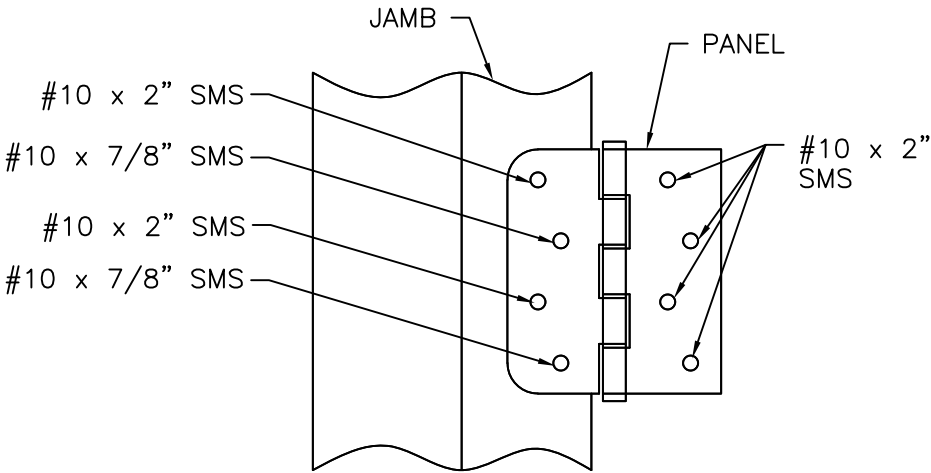
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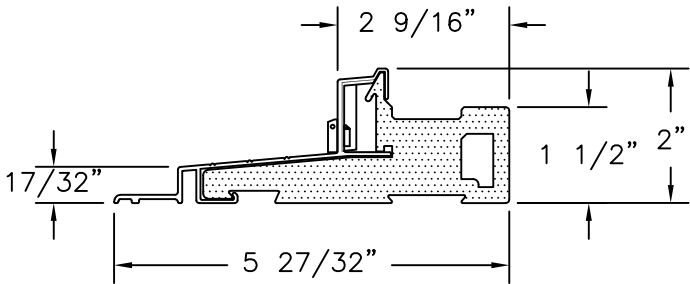
SILL KEEPER DETAIL



FRAME CONNECTION DETAIL



HINGE INSTALLATION DETAIL



DOOR SILL

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FIBERGLASS IMPACT GLAZED

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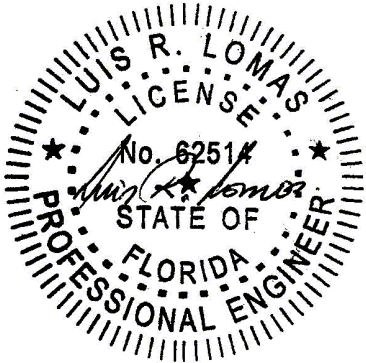
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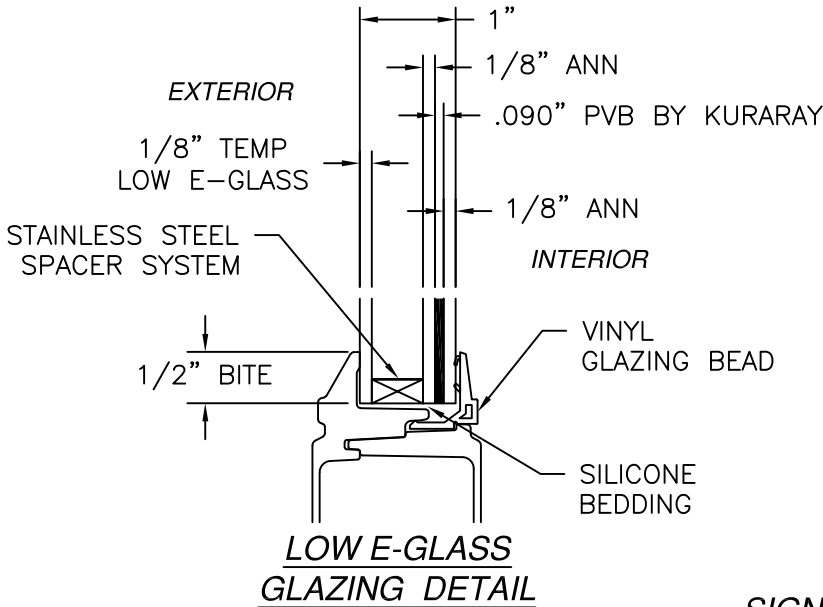
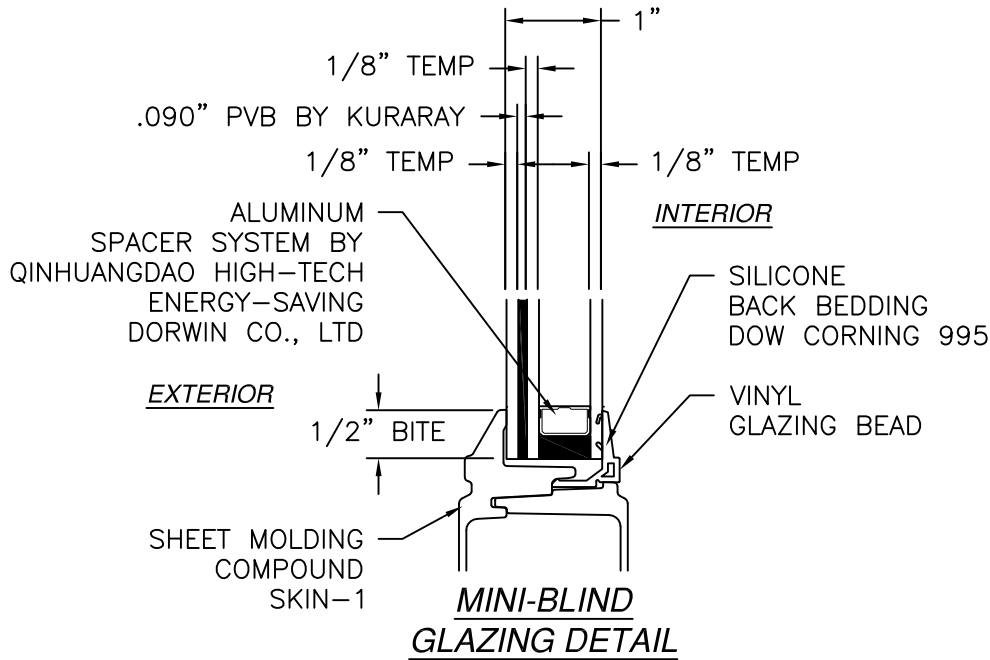
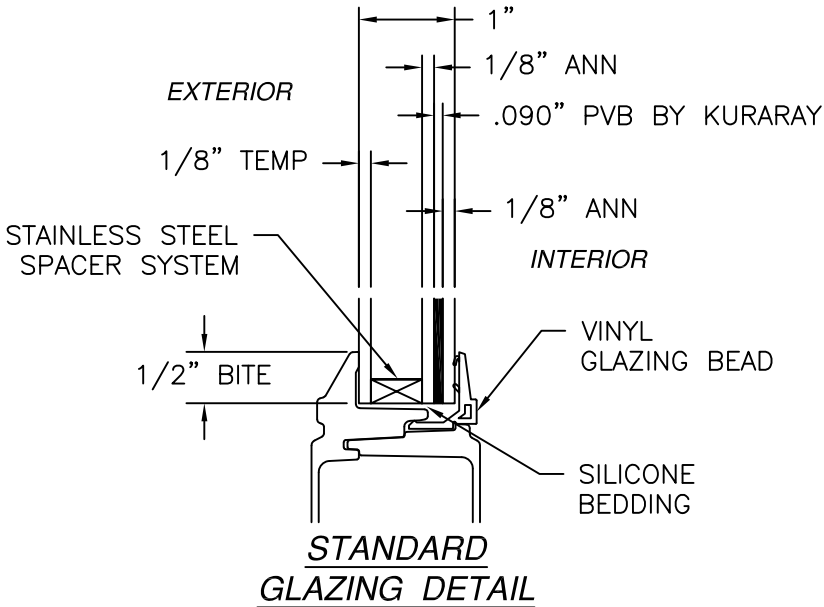
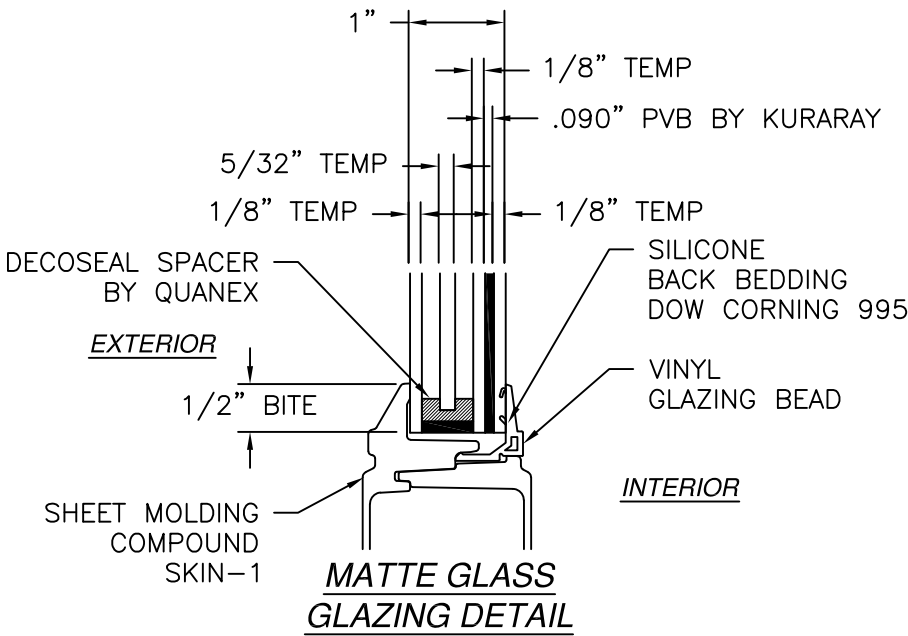
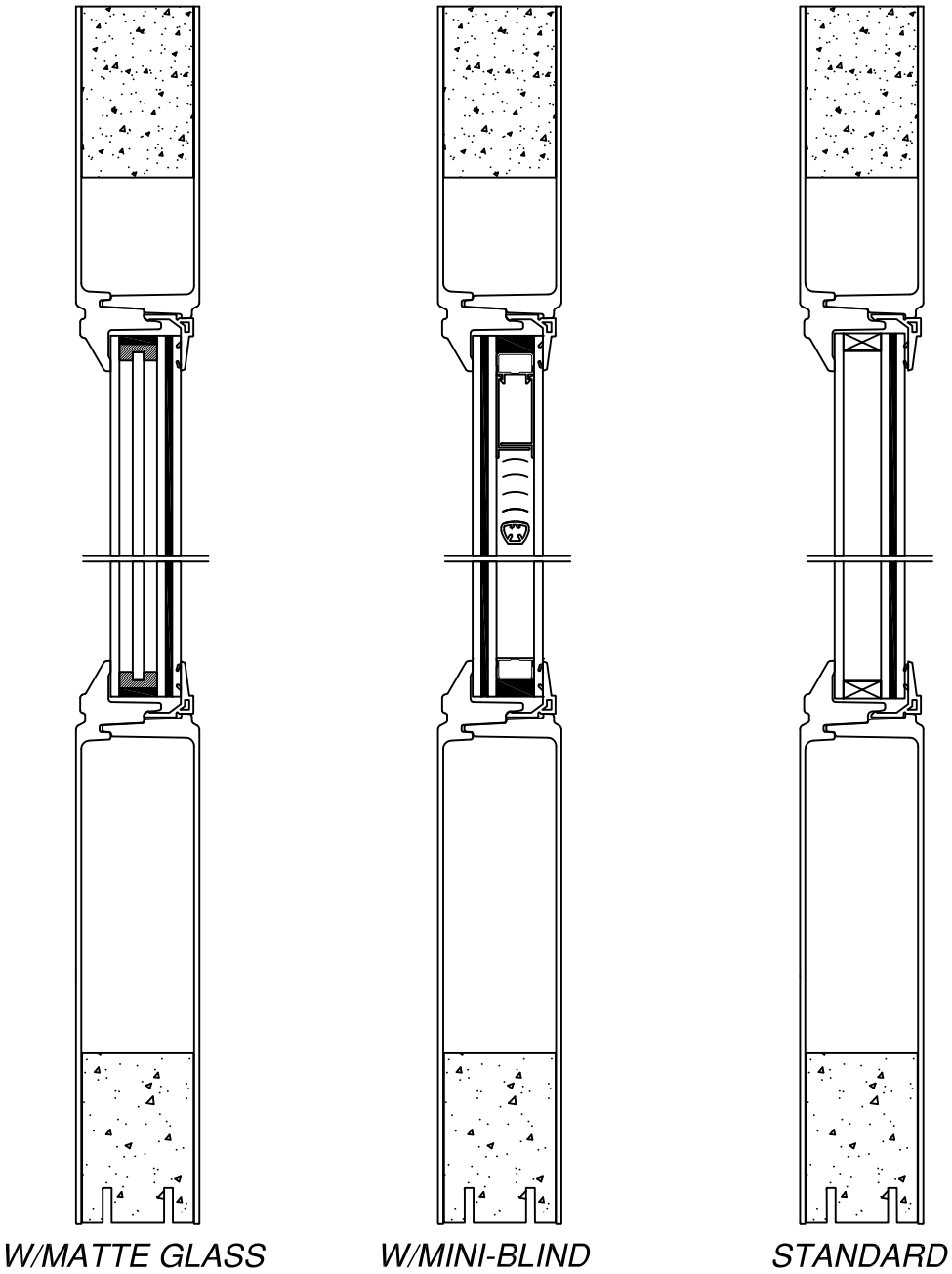
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APPROVED PANEL CONFIGURATIONS



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IN-SWING ENTRANCE DOOR W/SIDELITES

FIBERGLASS IMPACT GLAZED

GLAZING DETAILS

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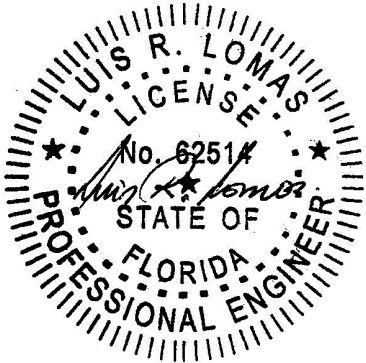
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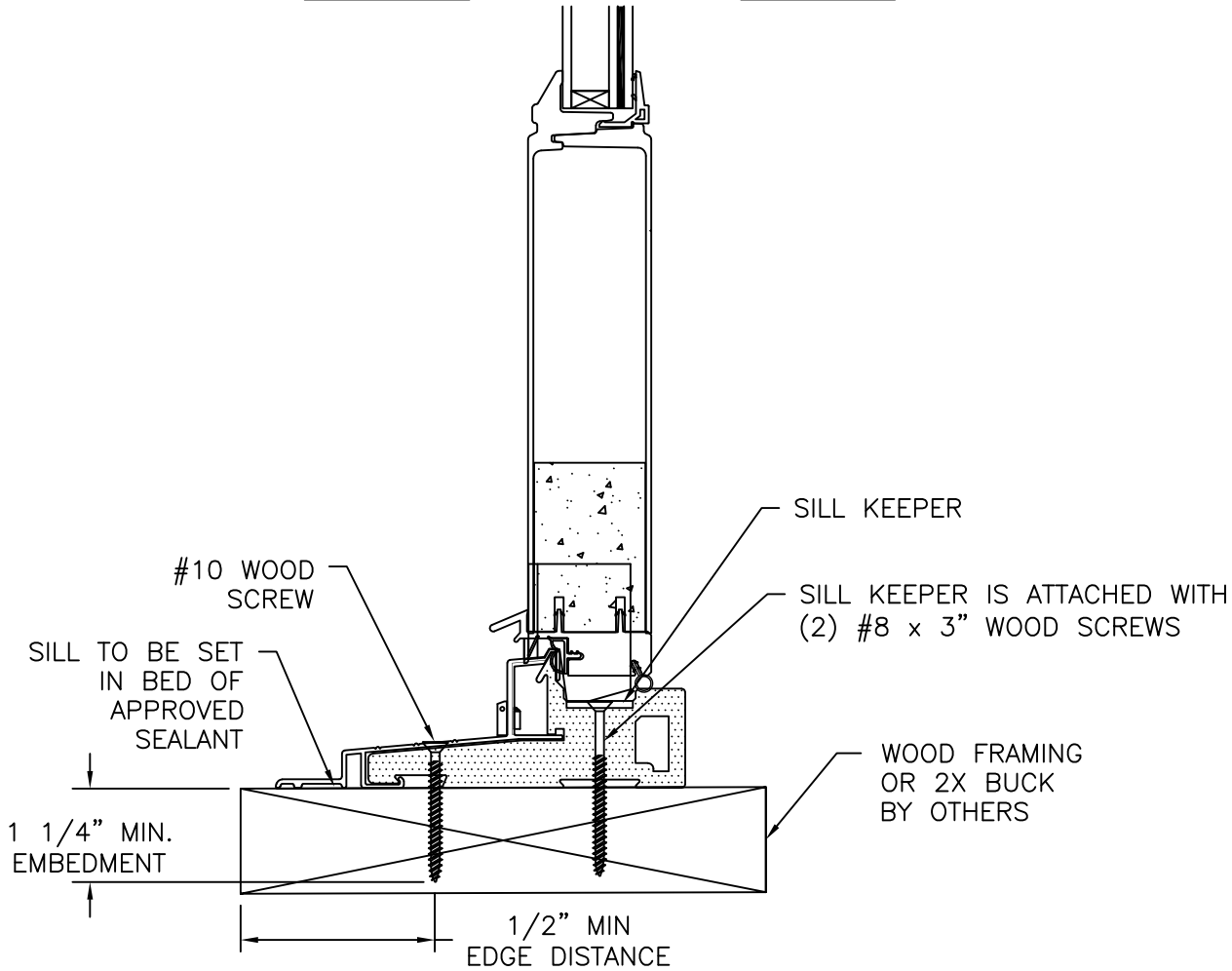
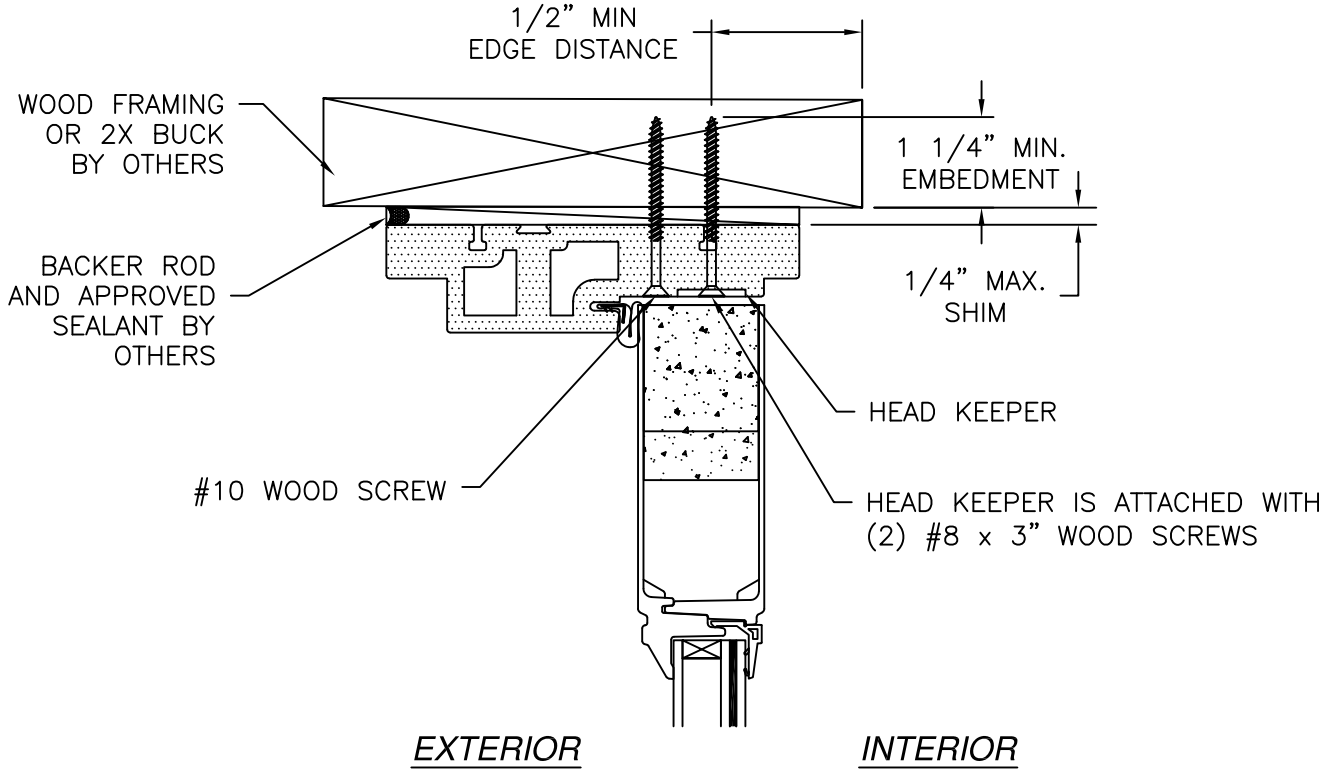
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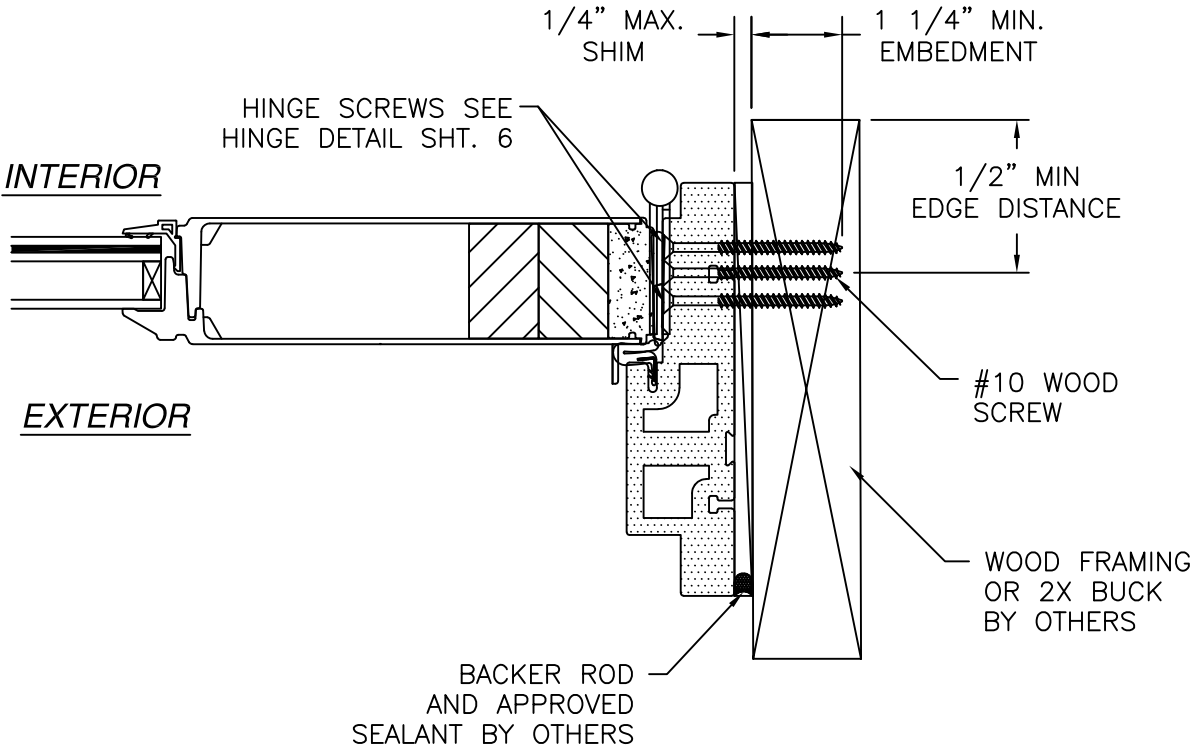


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DOOR VERTICAL CROSS SECTION
2X BUCK/WOOD FRAMING INSTALLATION



DOOR 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

NAN YA PLASTICS CORPORATION U.S.A.

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HOUSTON, TX 77029

IN-SWING ENTRANCE DOOR W/SIDELITES
FIBERGLASS IMPACT GLAZED
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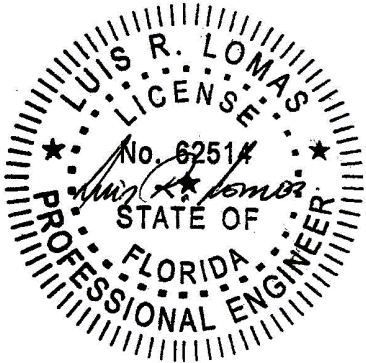
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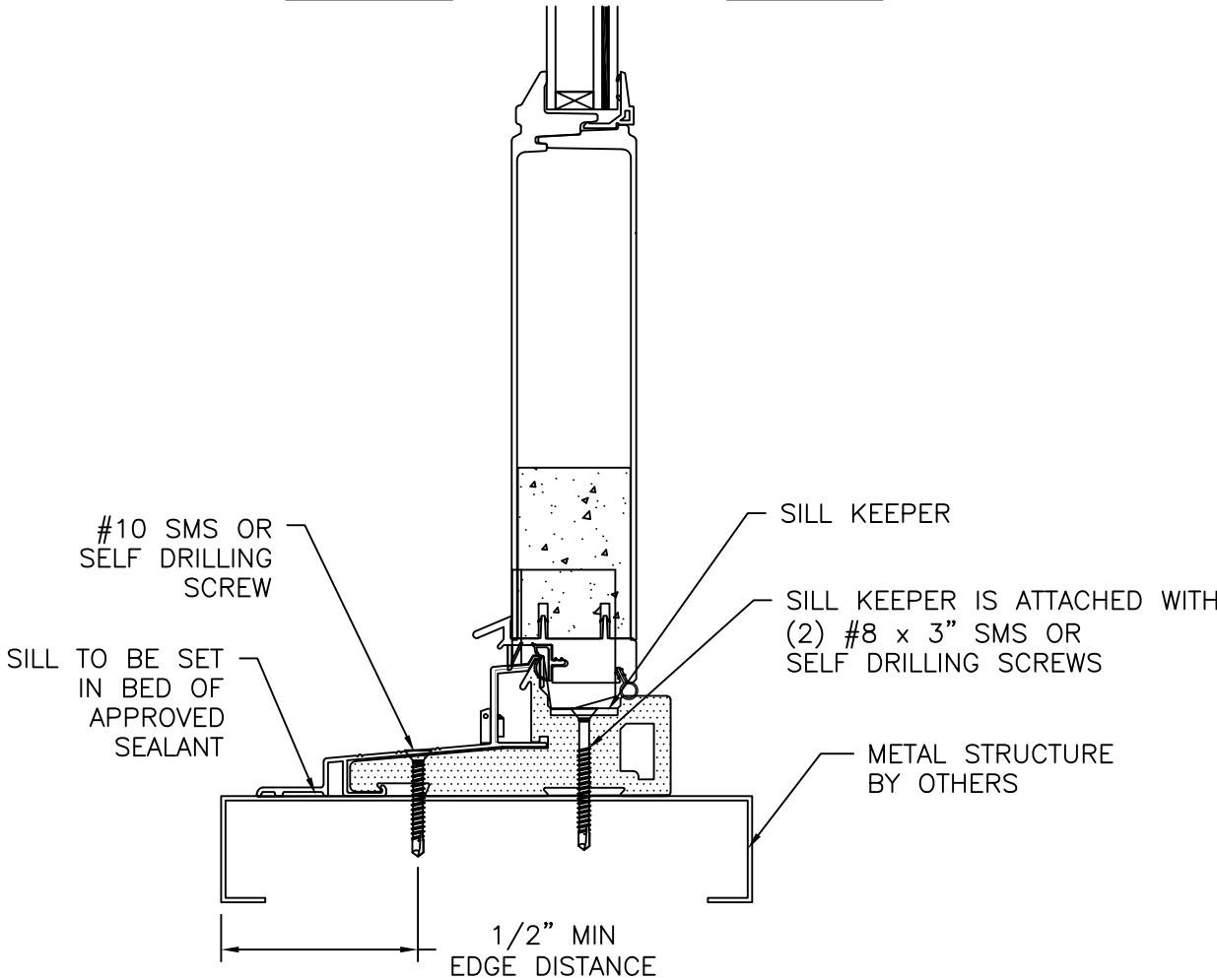
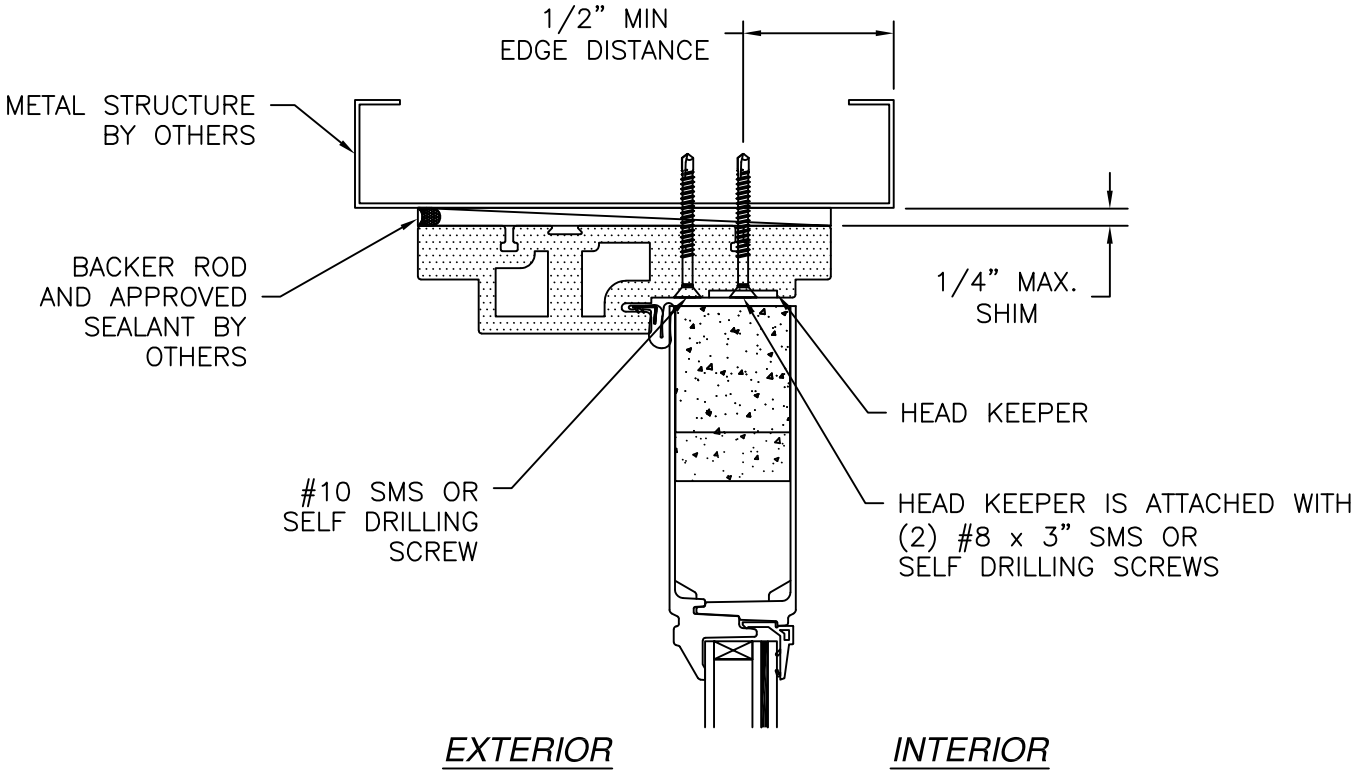
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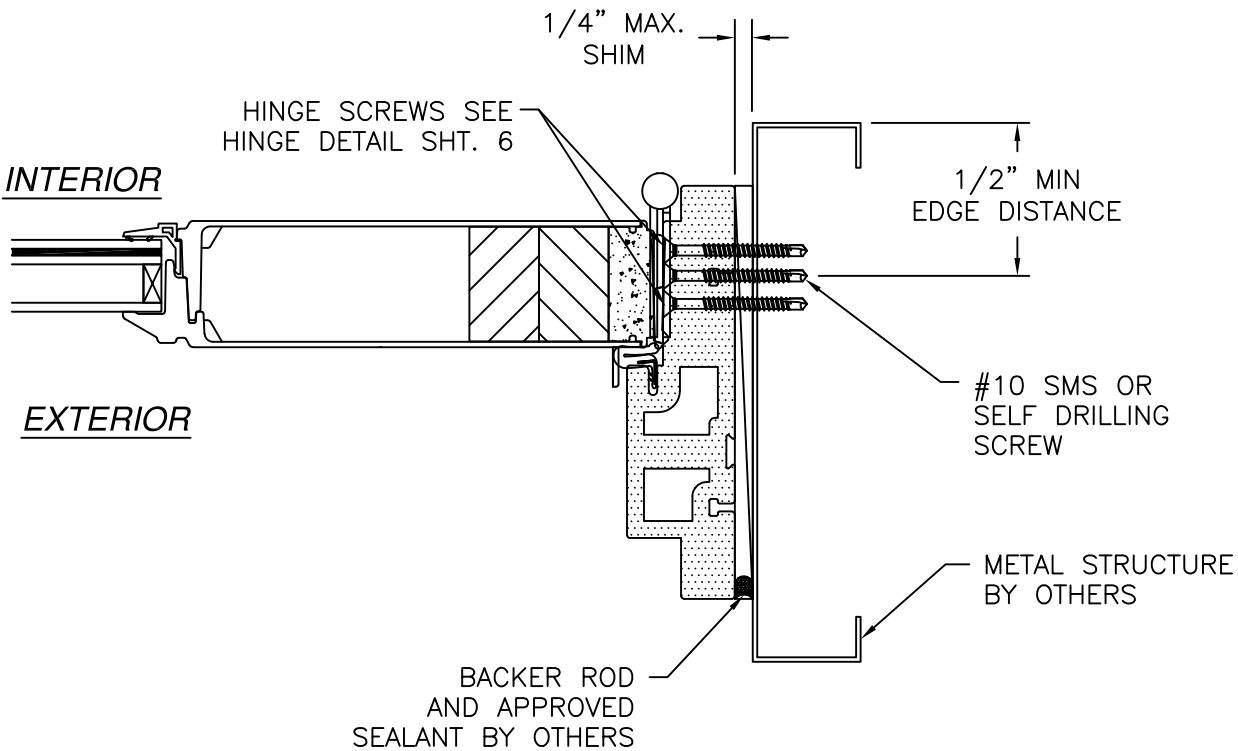


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DOOR VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION



DOOR HORIZONTAL CROSS SECTION
METAL STRUCTURE INSTALLATION

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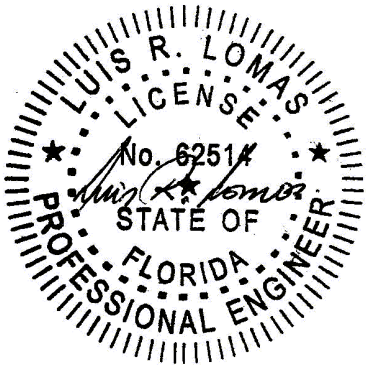
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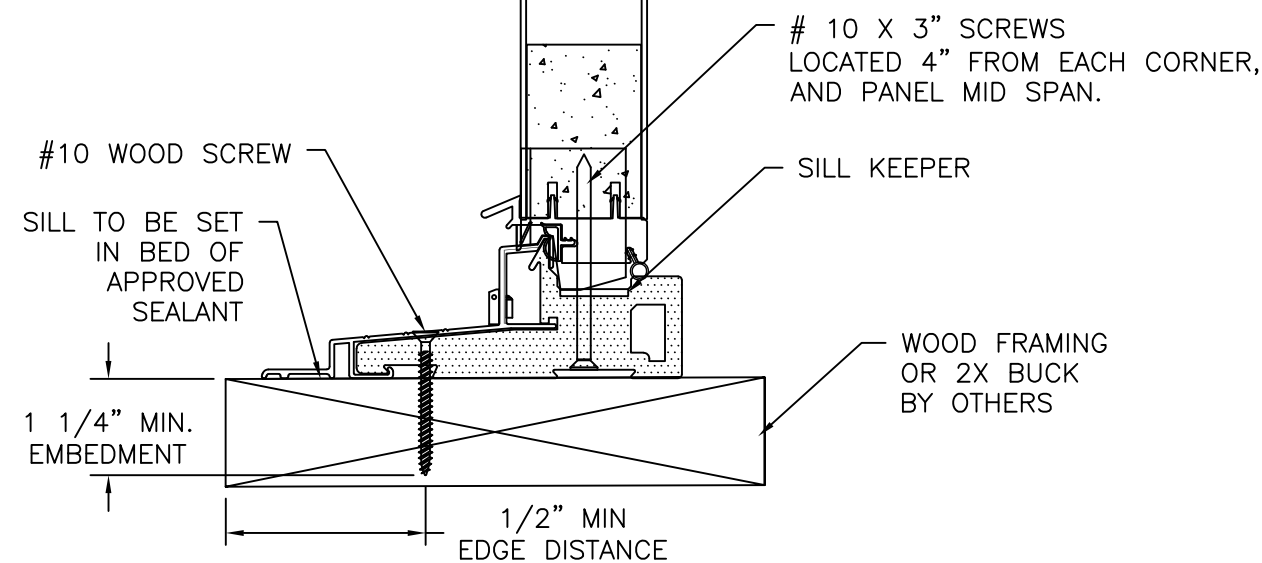
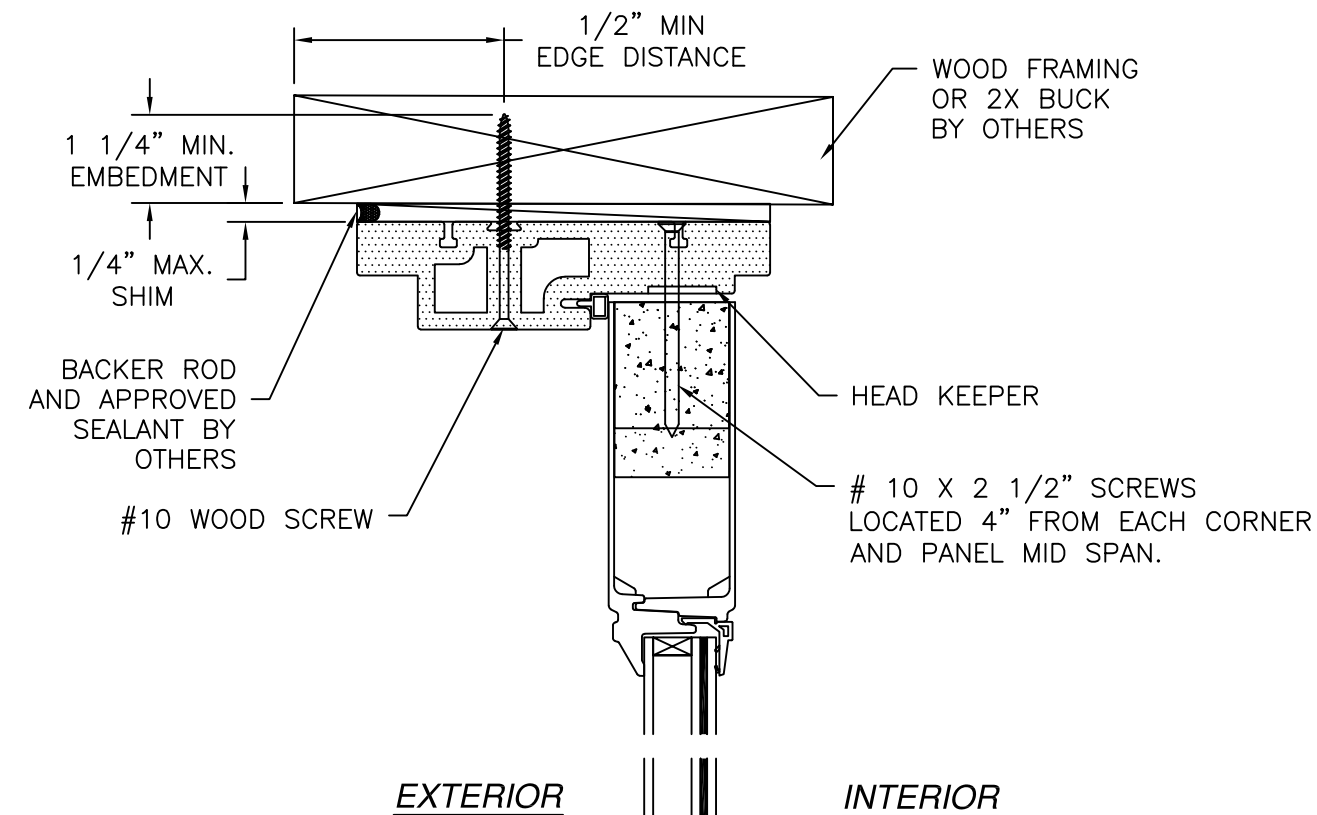
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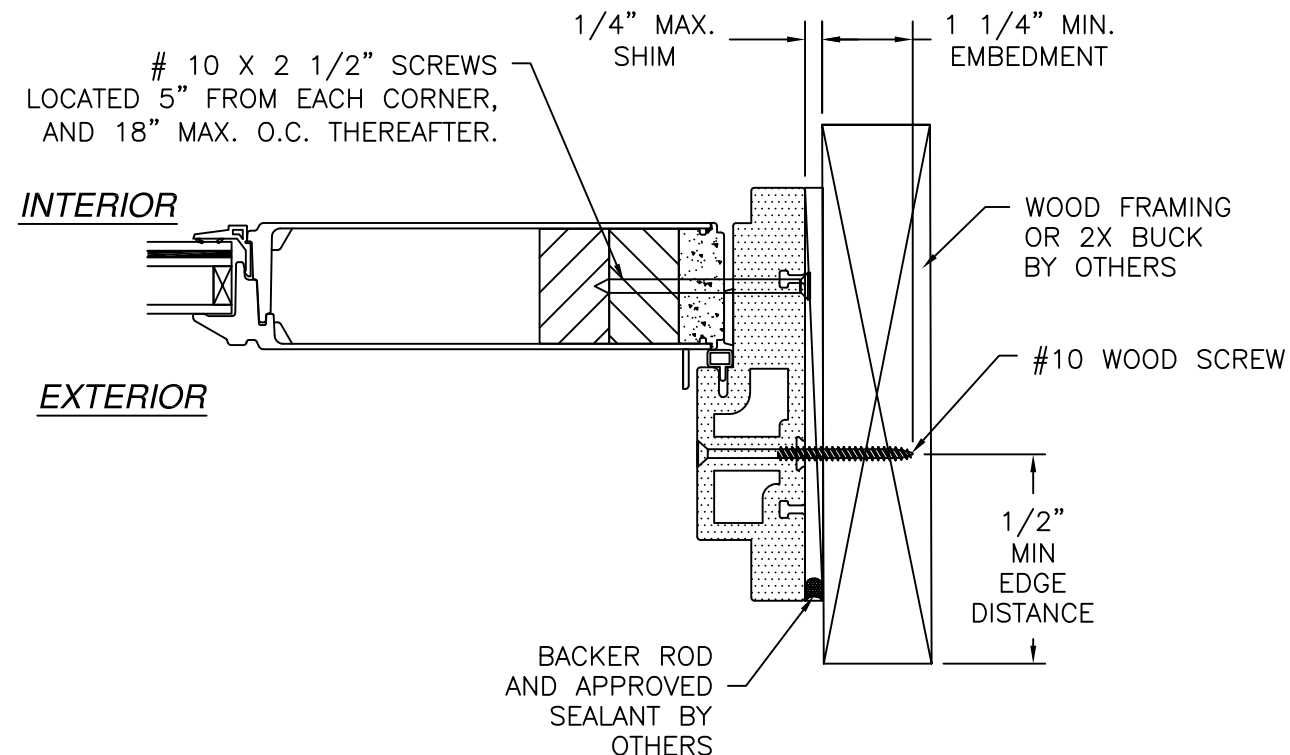
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SIDELITE VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION



SIDELITE HORIZONTAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION

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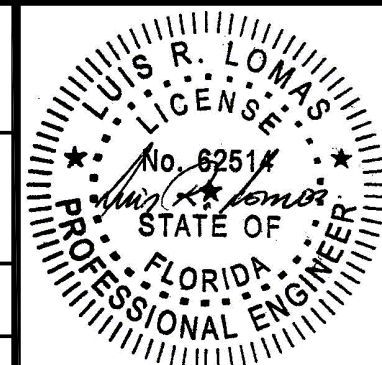
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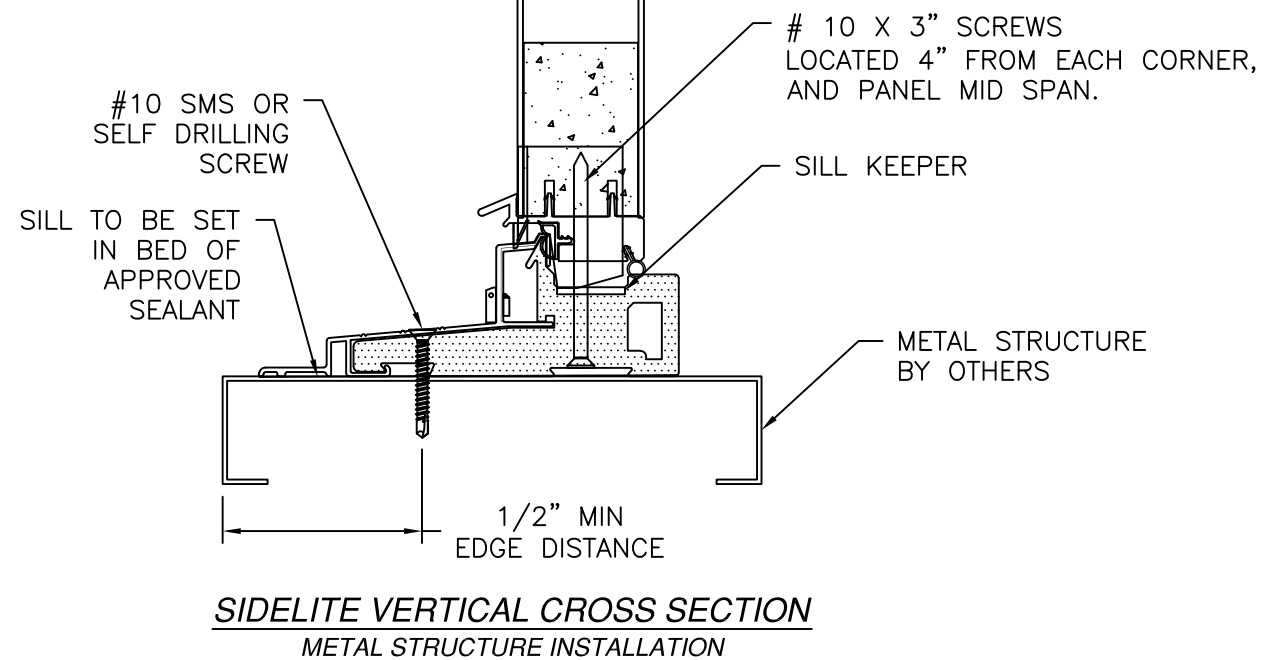
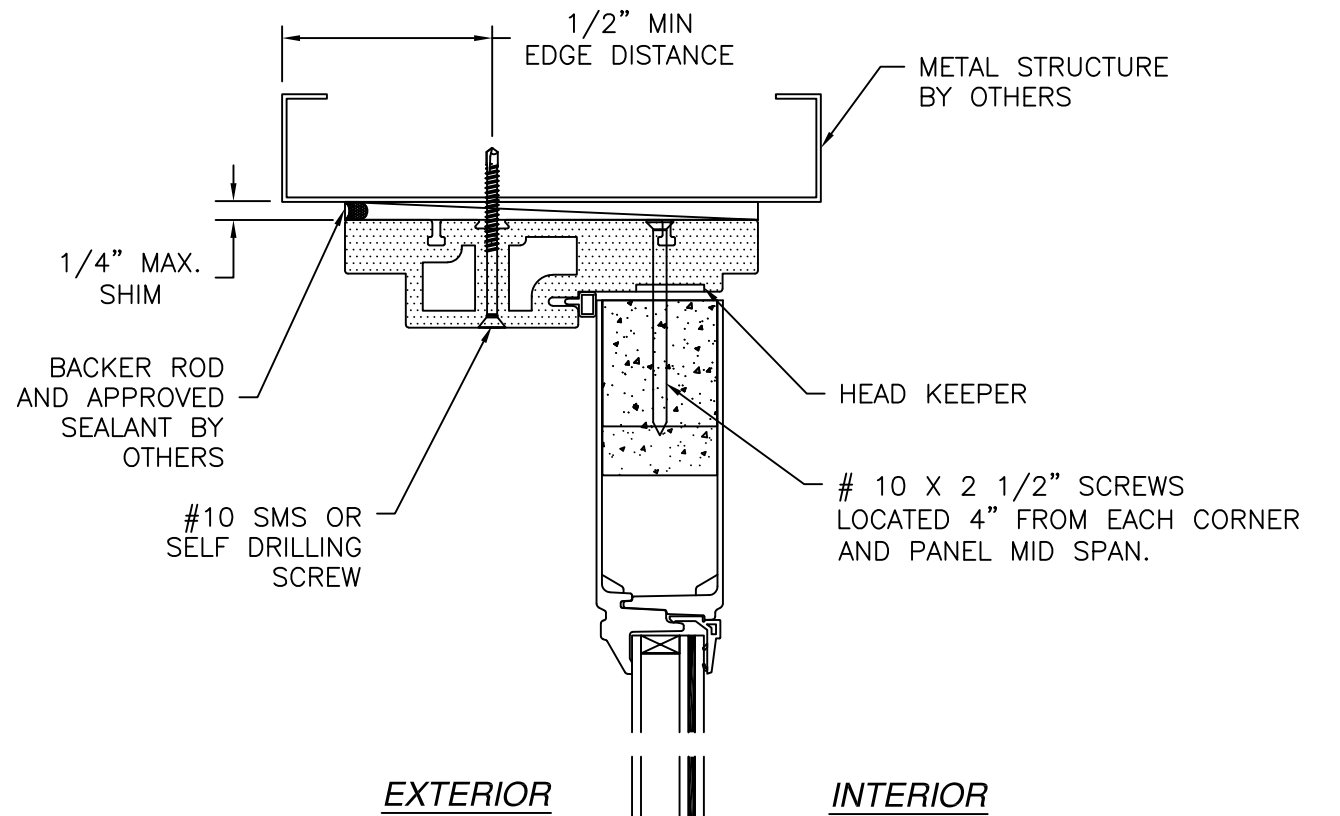
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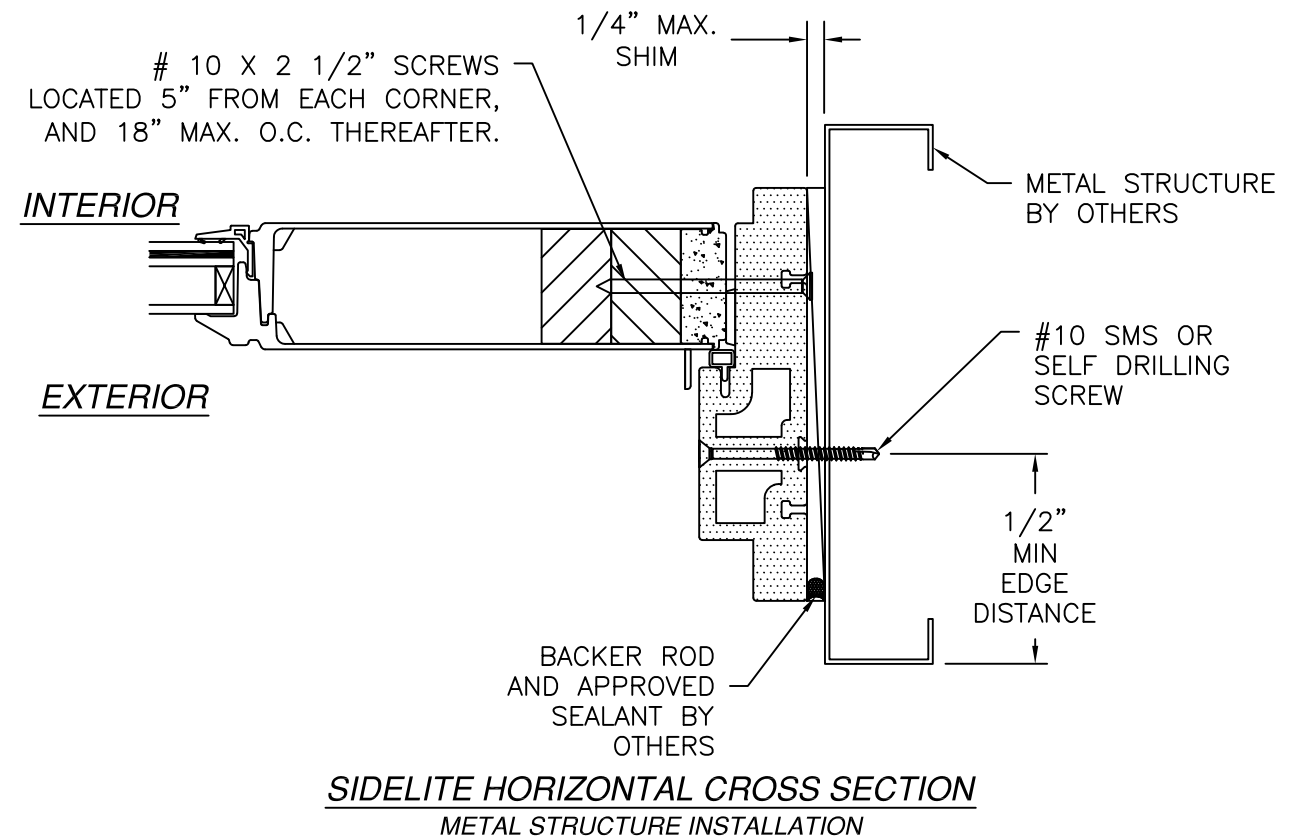
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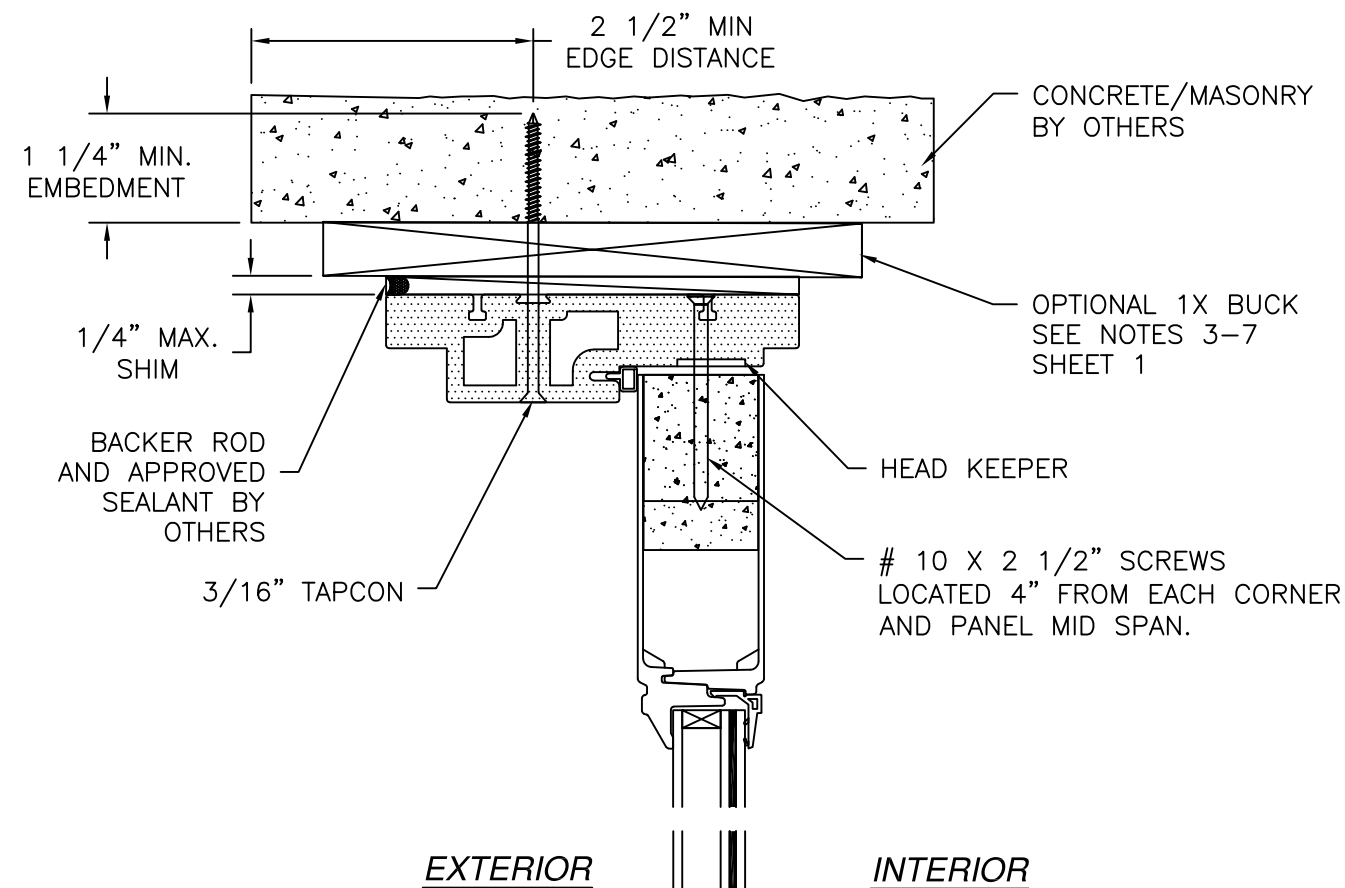
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DESIGNED IN ACCORDANCE WITH ASTM E2112

SIGNED: 05/21/2025

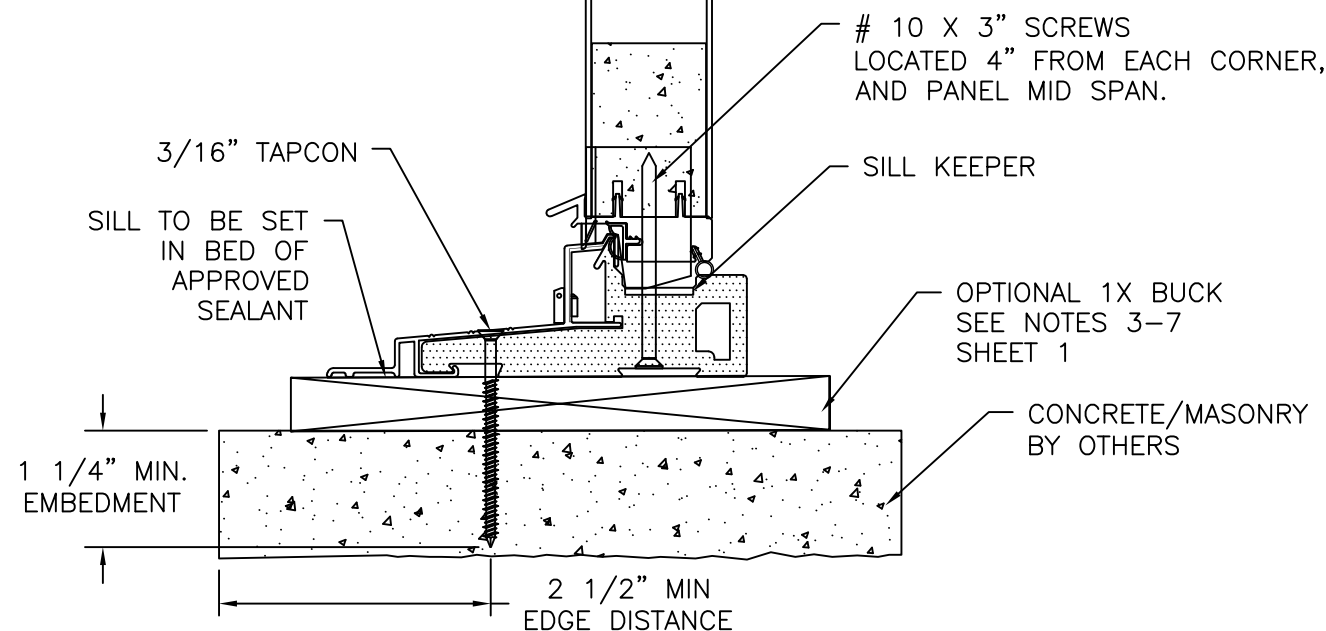
NAN YA PLASTICS CORPORATION U.S.A. 8989 NORTH LOOP EAST HOUSTON, TX 77029		
IN-SWING ENTRANCE DOOR W/SIDELITES FIBERGLASS IMPACT GLAZED INSTALLATION DETAILS		
DRAWN: V.L.	DWG NO. 08-01549D	REV D
SCALE NTS	DATE 04/30/12	SHEET 12 OF 13
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

LUIS R. LOMAS
 LICENSE
 No. 62514
 STATE OF
 FLORIDA
 PROFESSIONAL ENGINEER

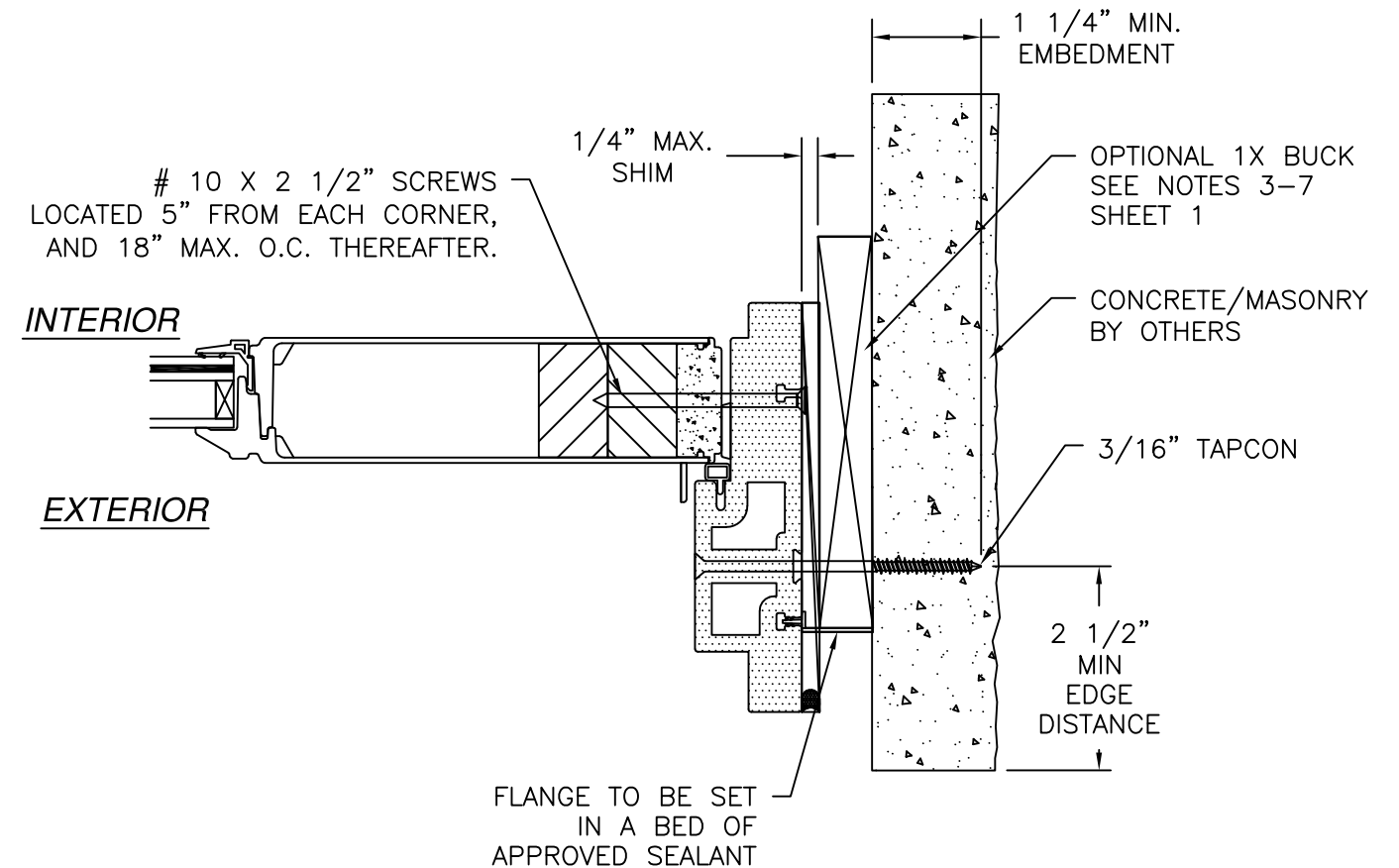
Luis R. Lomas P.E.
 FL No.: 62514



SIDELITE VERTICAL CROSS SECTION
CONCRETE/MASONRY INSTALLATION



SIDELITE HORIZONTAL CROSS SECTION
CONCRETE/MASONRY INSTALLATION

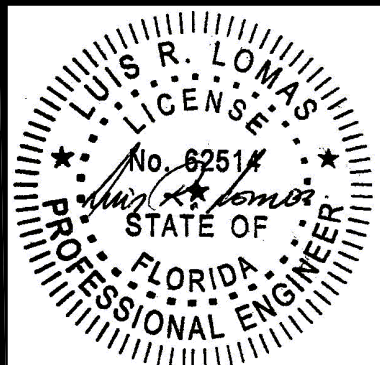


- NOTES:**
1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
 2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
D	REVISED TO ADD GLAZING DETAILS	05/13/2025	R.L.

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