

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISE TO ADD GLAZING DETAILS	05/29/2025	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. FOR FIN INSTALLATION SHIM AS NEEDED. FOR FRAME INSTALLATION 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: CO-EXTRUDED PVC FOAM.
12. UNITS MUST BE GLAZED PER ASTM E1300, SEE SHEET 6 FOR GLASS DETAILS.
13. APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.

14. 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.
15. FOR ANCHORING INTO MASONRY/CONCRETE USE 1/4" 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.
16. 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.
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 3,192 PSI.
 - C. MASONRY - STRENGTH CONFORMANCE TO ASTM C-90, GRADE N, TYPE 1 (OR GREATER).
 - D. METAL STRUCTURE: STEEL 18GA, 33KSI OR ALUMINUM 6063-T5 1/8" THICK MINIMUM
19. APPROVED CONFIGURATIONS: X, X/O, O/X, OX, XO, OX/O, XO/O, XX, XX/O, O/XX, OXX, XXO, OXX/O AND O/XXO, SEE SHEET 3.
20. SIDELITES ARE ASSEMBLED TO FRAME WITH #10X2 1/2" WOOD SCREWS LOCATED 4" FROM EACH END AND 18 1/2" MAX O.C. THEREAFTER AT JAMBS AND 4" FROM EACH END AND ONE AT MIDSPAN AT HEAD AND SILL.

TABLE OF CONTENTS	
SHEET NO.	DESCRIPTION
1	NOTES
2	ELEVATION
3	ADDITIONAL CONFIGURATIONS
4 - 5	ANCHORING LAYOUTS
6	GLAZING DETAILS
7 - 13	INSTALLATION DETAILS

NAN YA PLASTICS CORP. USA

8989 NORTH LOOP EAST

HOUSTON, TX 77029

SERIES SLPS OUT-SWING GLAZED FIBERGLASS

SIDE-HINGED PATIO DOOR 8'0 IMPACT

NOTES

DRAWN: V.L.

DWG NO. 08-02757A

REV A

SCALE NTS

DATE 08/28/15

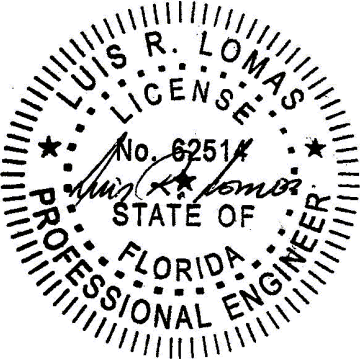
SHEET 1 OF 13

L. ROBERTO LOMAS P.E.

208 7th Ave, INDIALANTIC, FL 32903

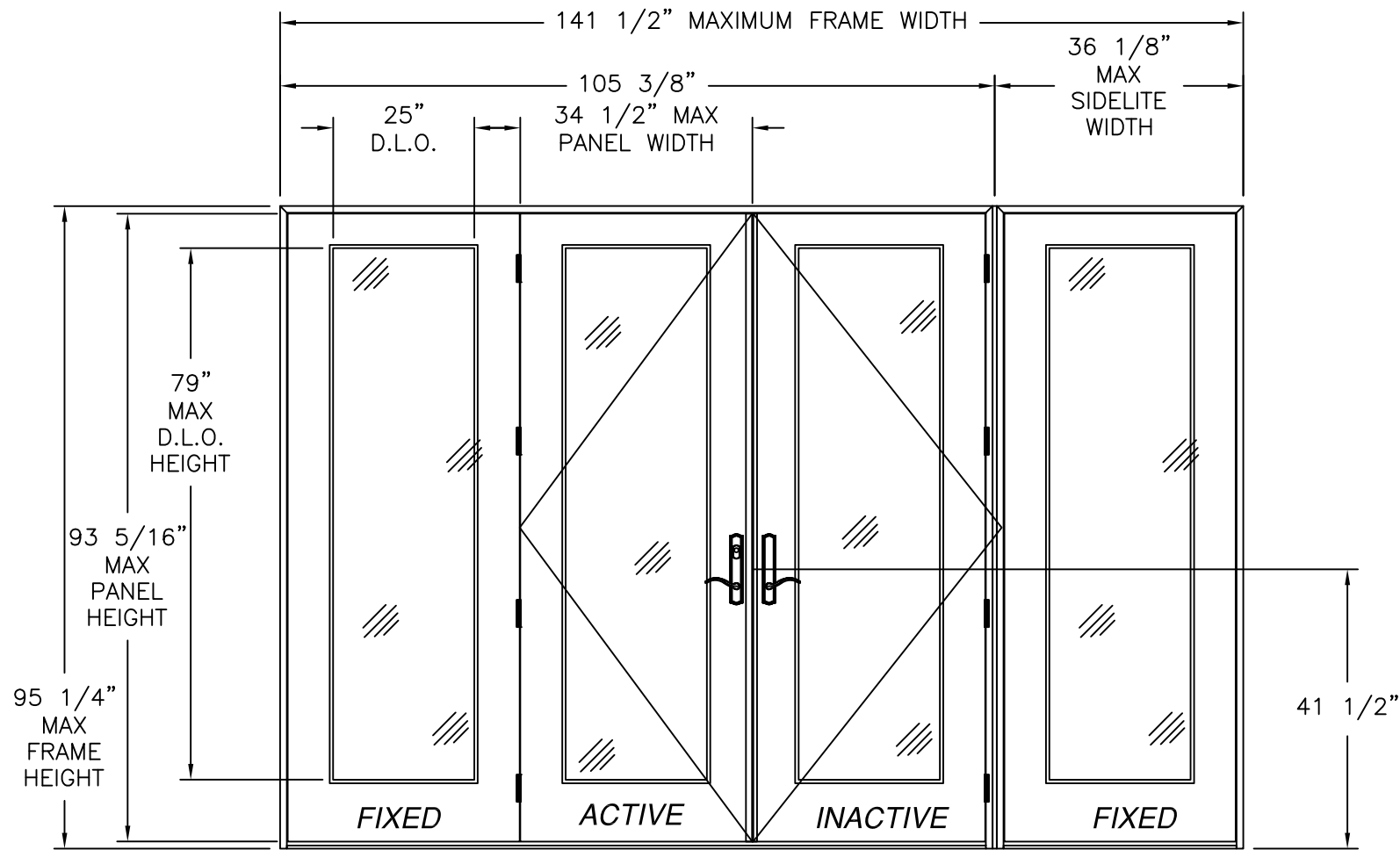
434-688-0609 rlomas@lrlomaspe.com

SIGNED: 06/04/2025



Luis R. Lomas P.E.

FL No.: 62514



SERIES SLPS 8'0 HEIGHT OUT-SWING PATIO DOOR W/ SIDELITES
EXTERIOR VIEW

DESIGN PRESSURE RATING	IMPACT RATING
±60.0PSF	LARGE AND SMALL MISSILE IMPACT

MISSILE LEVEL D, WIND ZONE 4

HARDWARE SCHEDULE	
A	MULTI-POINT LOCK AT ACTIVE PANEL
B	(4) 4"x4" BUTT HINGES BY WENZHOU LONGTAI (PER PANEL)
C	ALUMINUM & PVC FOAM ASTRAGAL BY NAN YA PLASTICS

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ELEVATION

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SHEET 2 OF 13

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LUIS R. LOMAS

LICENS. E.

No. 62514

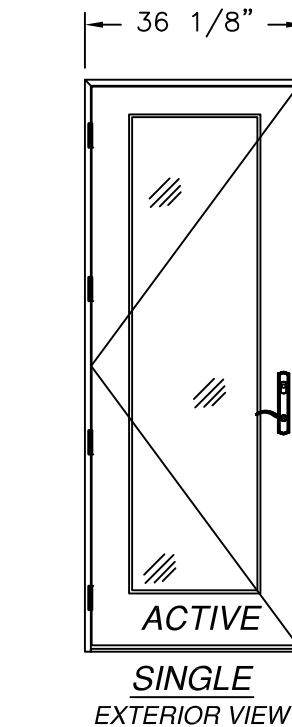
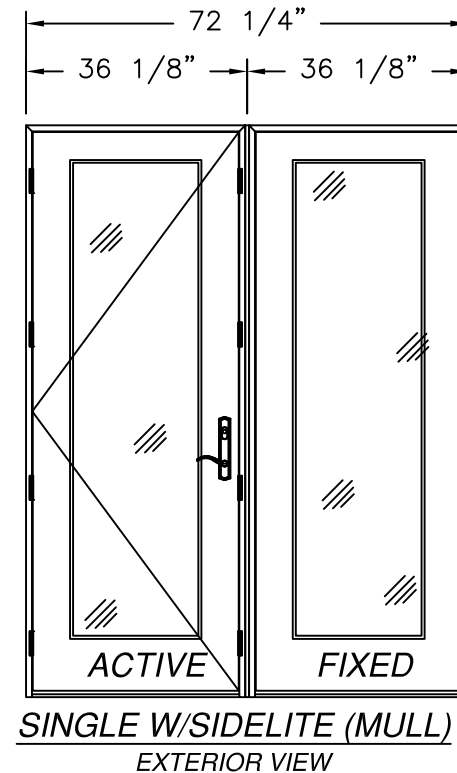
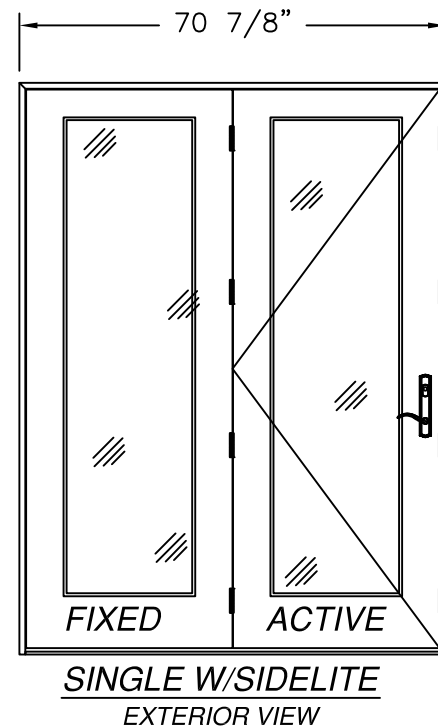
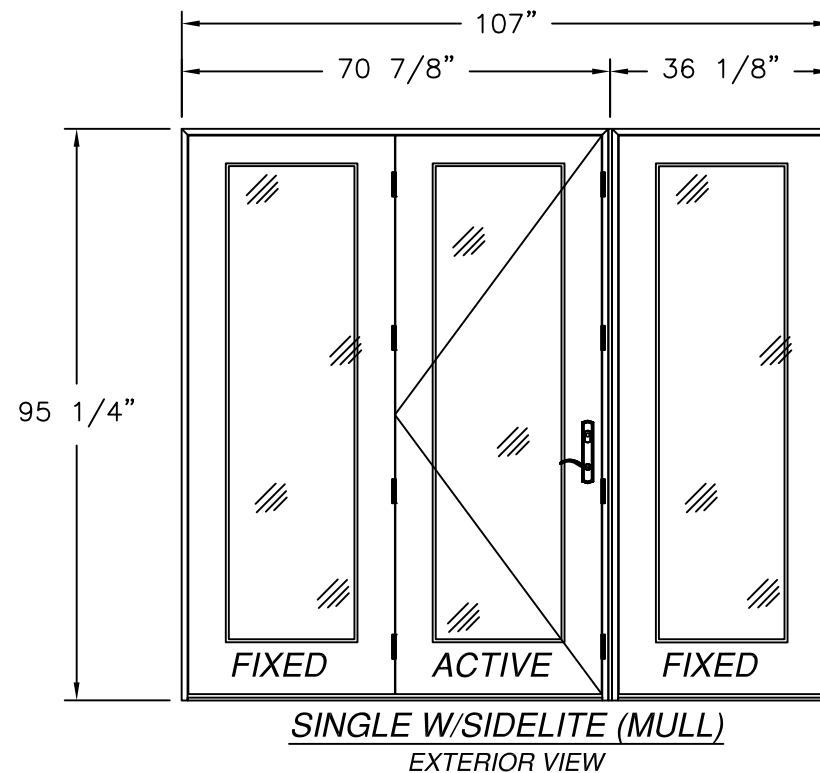
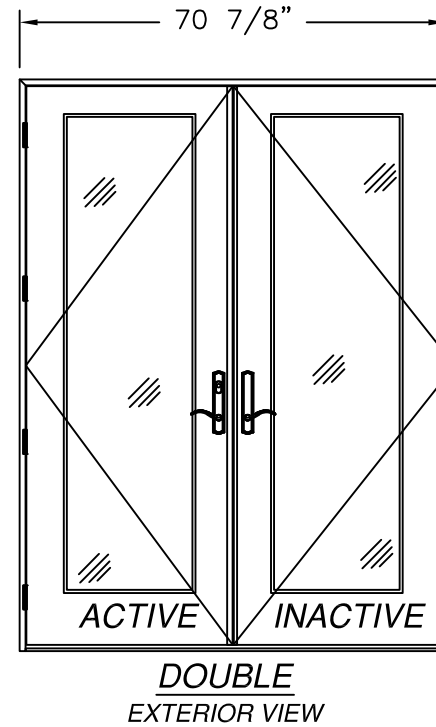
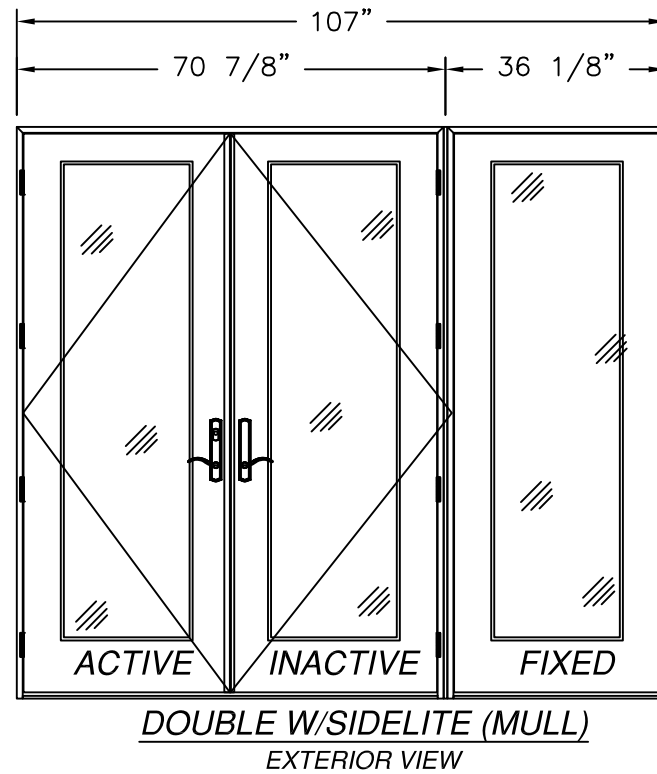
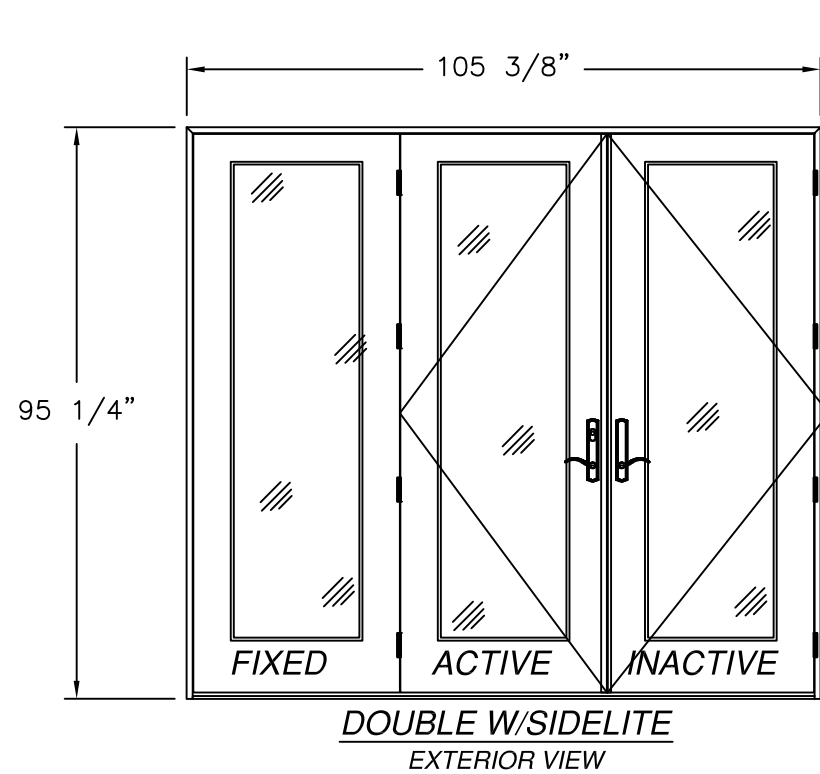
STATE OF FLORIDA

PROFESSIONAL ENGINEER

Luis R. Lomas P.E.

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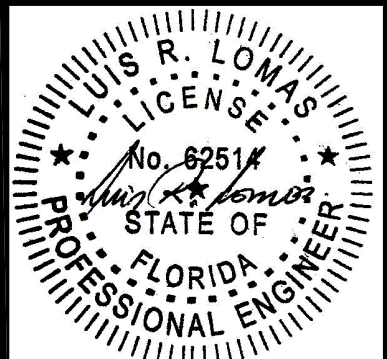


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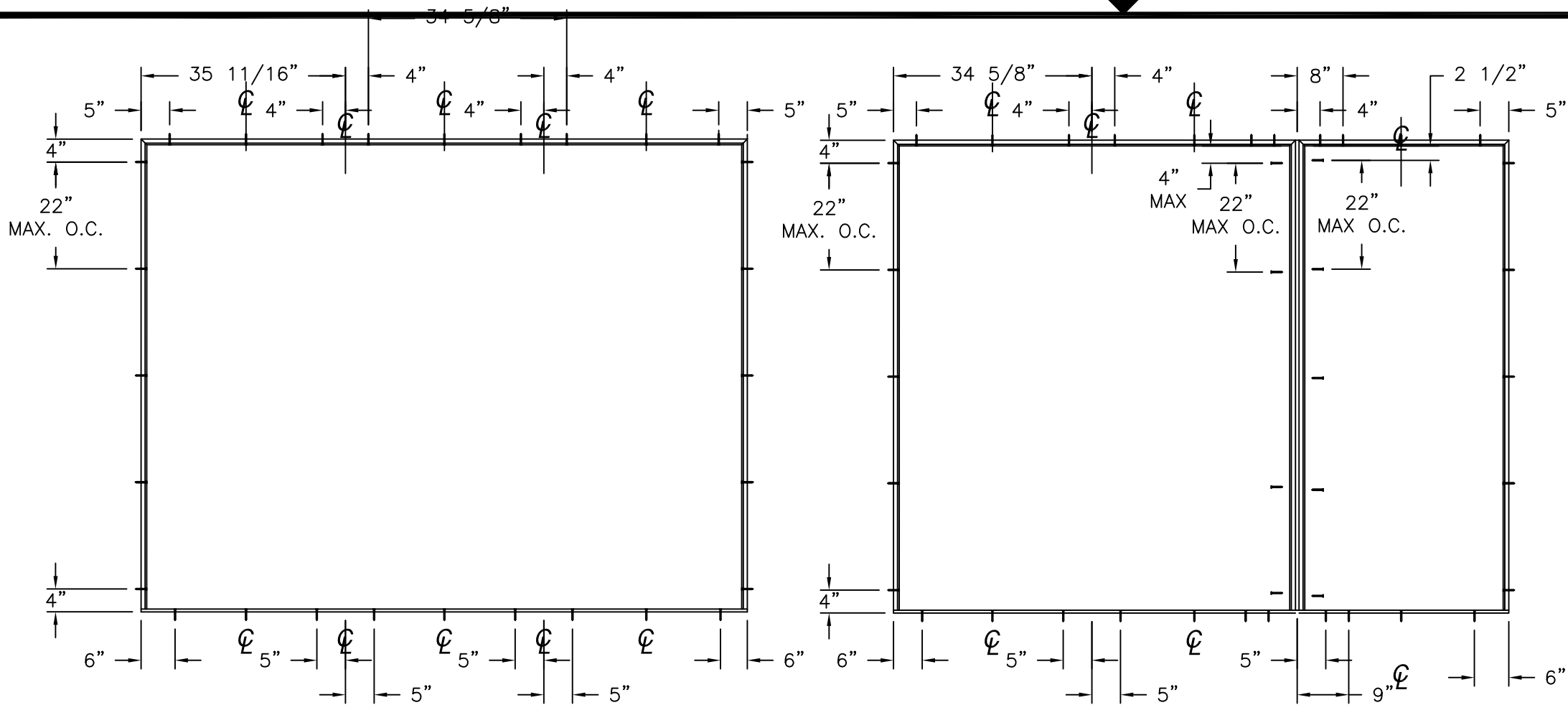
NOTE:
ALL APPROVED CONFIGURATIONS ARE SHOWN AS LEFT
HAND ACTIVE, RIGHT HAND ACTIVE IS ALSO APPROVED.

NAN YA PLASTICS CORP. USA 8989 NORTH LOOP EAST HOUSTON, TX 77029		
SERIES SLPS OUT-SWING GLAZED FIBERGLASS SIDE-HINGED PATIO DOOR 8'0 IMPACT APPROVED ELEVATIONS		
DRAWN: V.L.	DWG NO. 08-02757A	REV A
SCALE NTS	DATE 08/28/15	SHEET 3 OF 13
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

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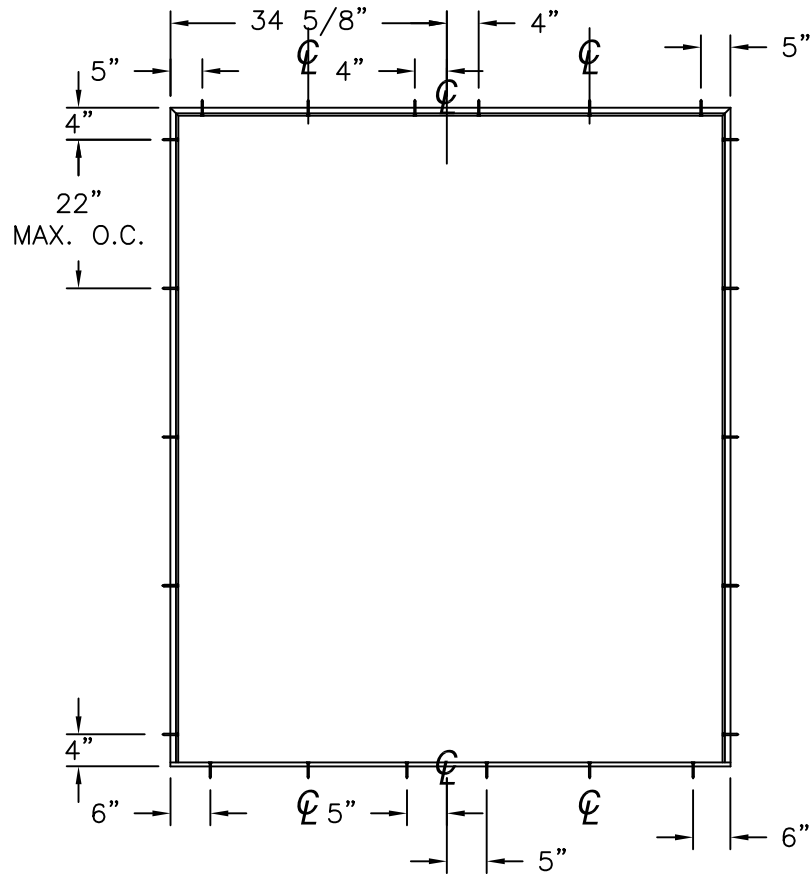


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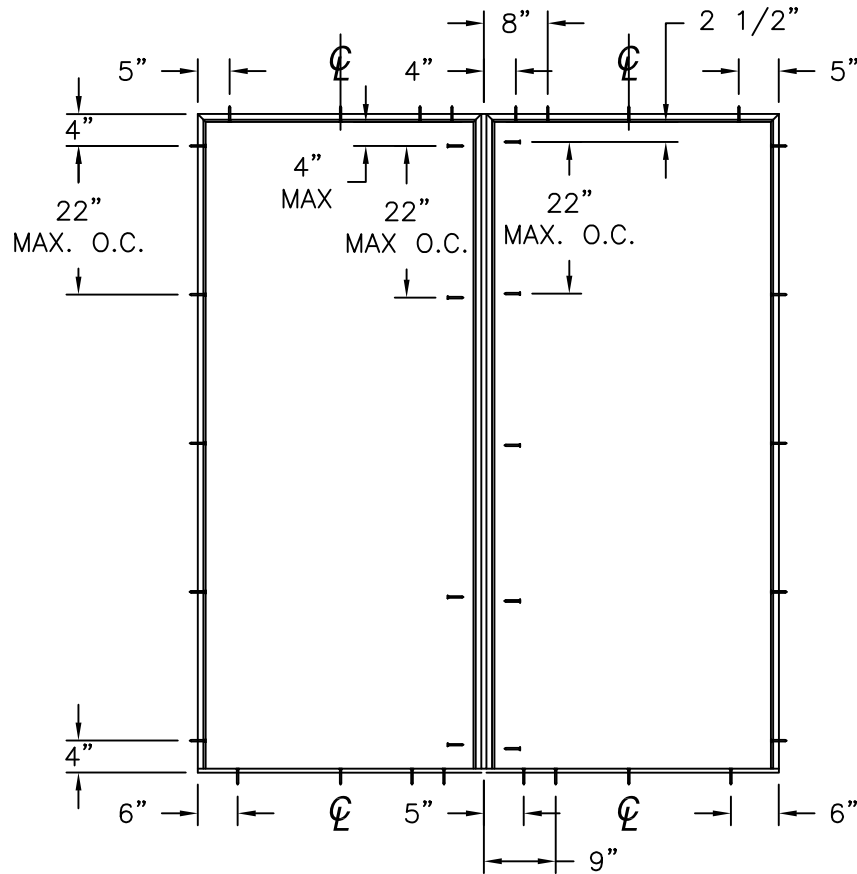


ANCHORING LAYOUT FOR OXO, XXO AND OXX

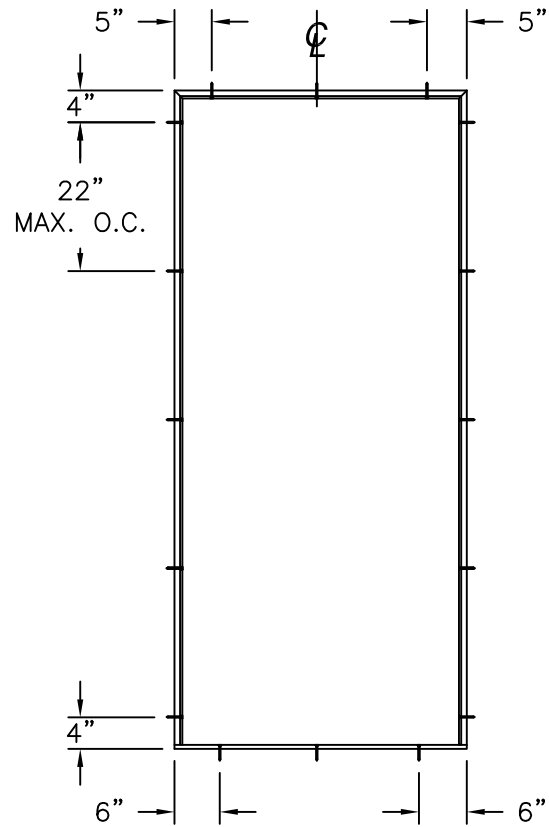
ANCHORING LAYOUT FOR OXO, XXO AND OXX (MULL)



ANCHORING LAYOUT FOR XX, OX AND XO



ANCHORING LAYOUT FOR OX AND XO (MULL)



ANCHORING LAYOUT FOR X

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8989 NORTH LOOP EAST
HOUSTON, TX 77029

SERIES SLPS OUT-SWING GLAZED FIBERGLASS
SIDE-HINGED PATIO DOOR 8'0 IMPACT
ANCHORING LAYOUTS

DRAWN:
V.L.

DWG NO.
08-02757A

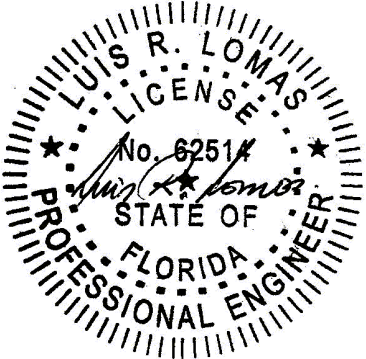
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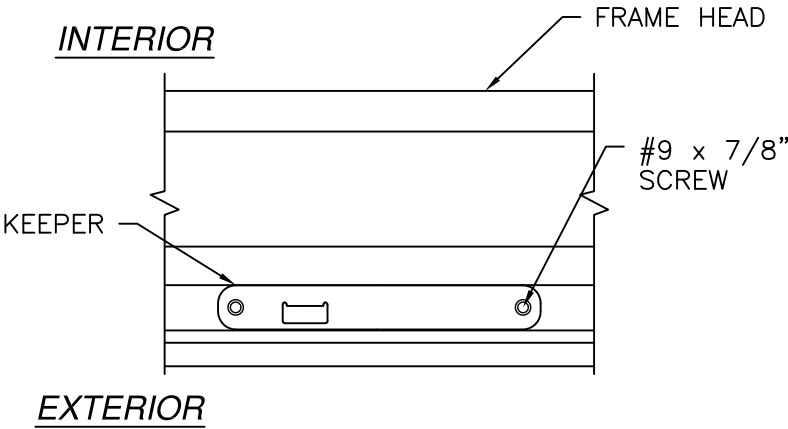
SHEET
5 OF 13

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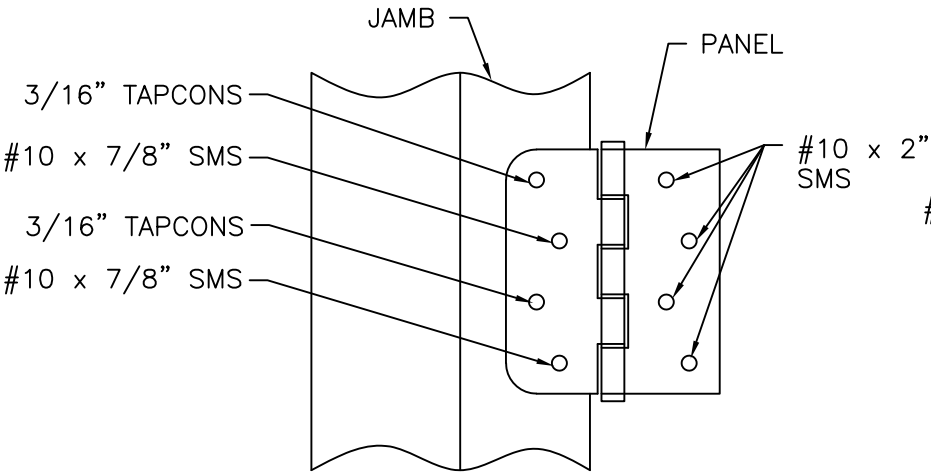


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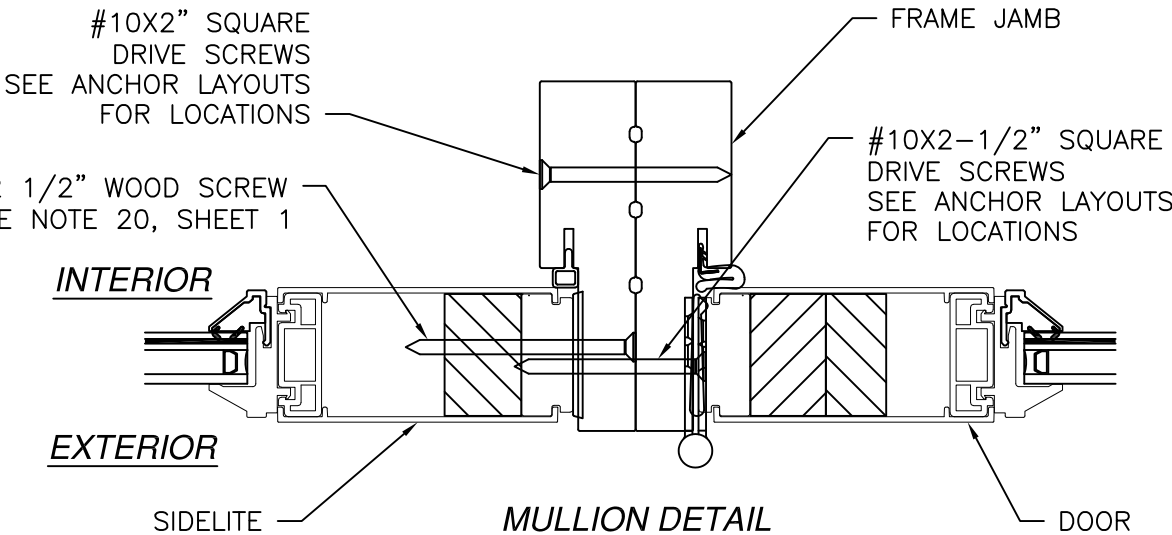
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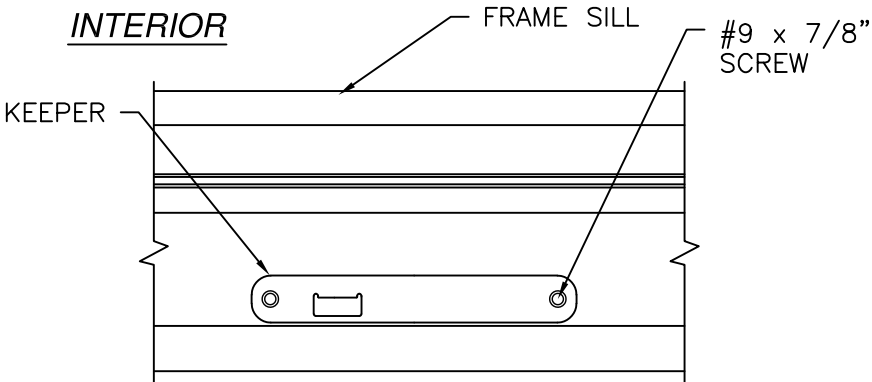
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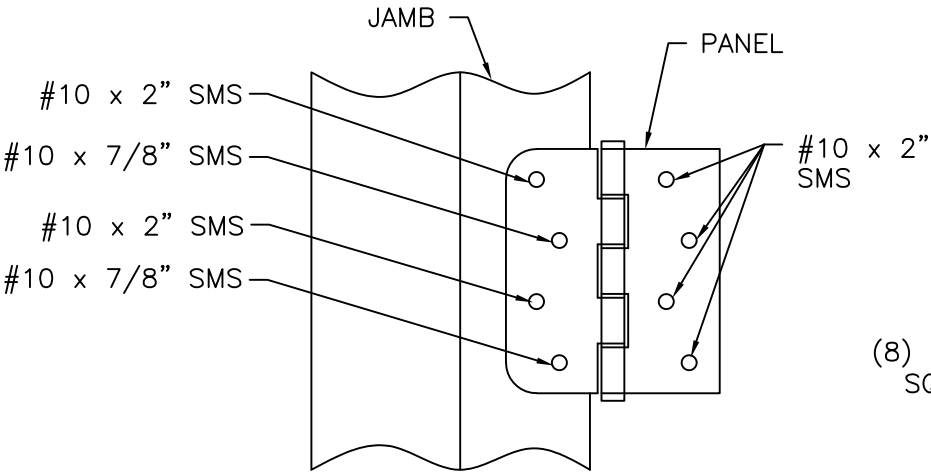
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MASONRY/CONCRETE INSTALLATION



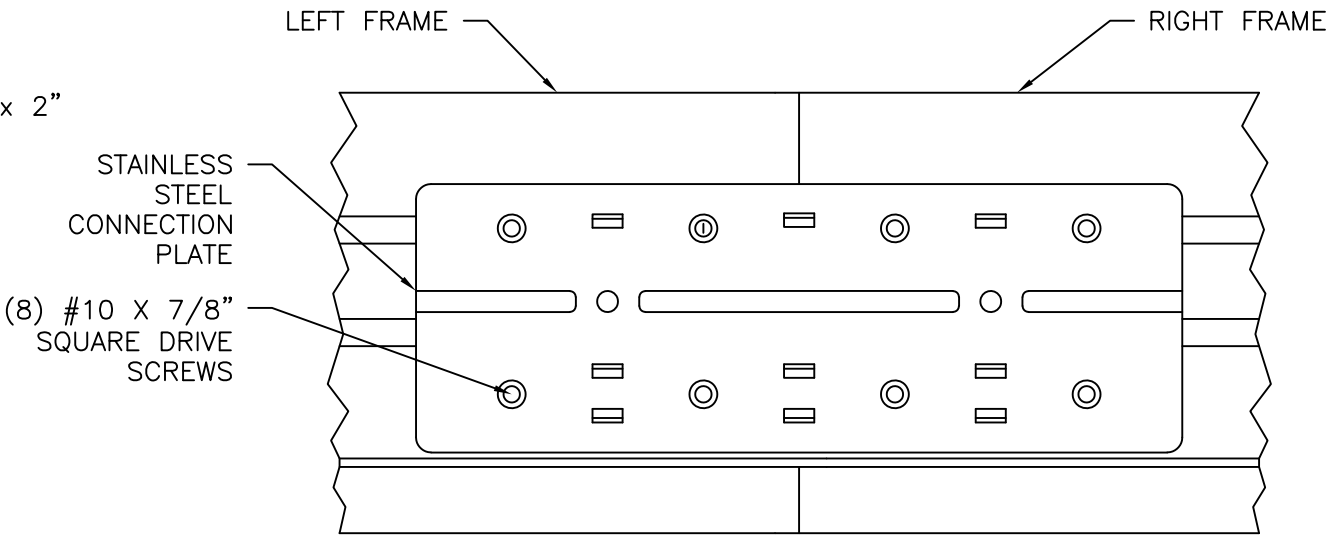
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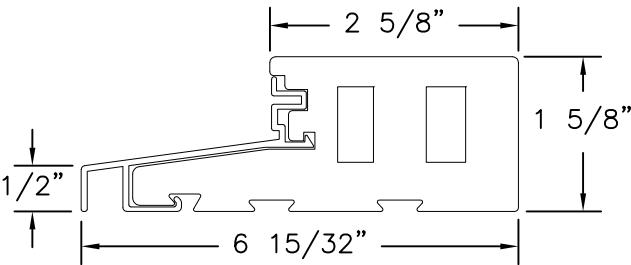
SILL KEEPER DETAIL



HINGE INSTALLATION DETAIL



FRAME CONNECTION DETAIL



OUTSWING DOOR SILL DETAIL

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8989 NORTH LOOP EAST

HOUSTON, TX 77029

SERIES SLPS OUT-SWING GLAZED FIBERGLASS

SIDE-HINGED PATIO DOOR 8'0 IMPACT

INSTALLATION DETAILS

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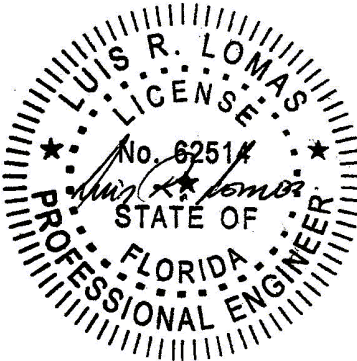
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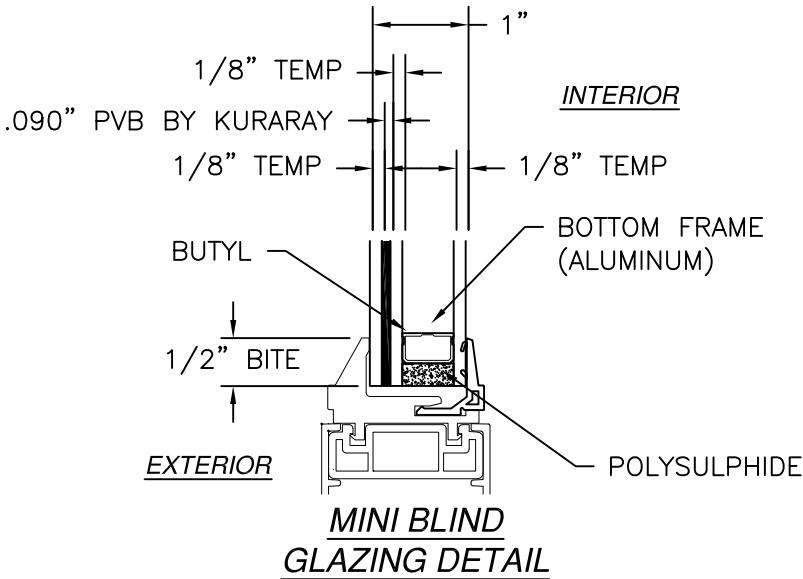
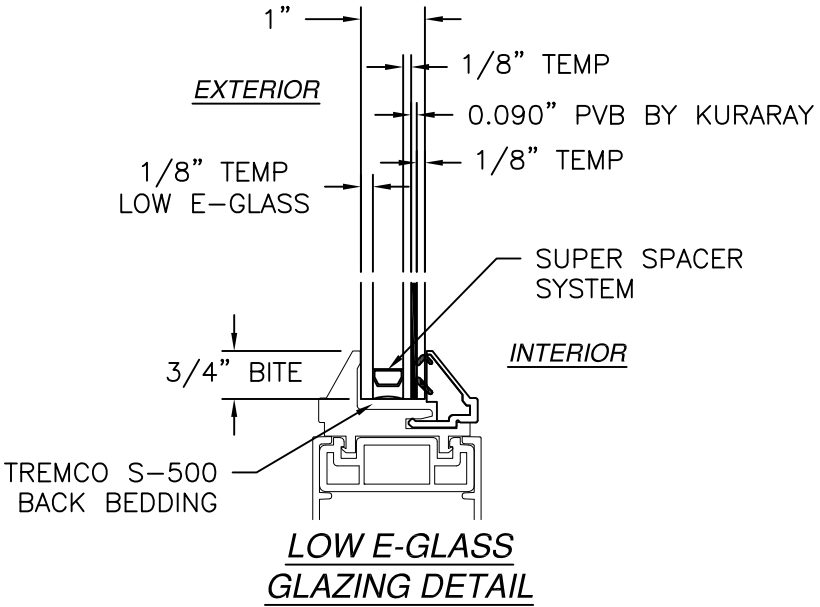
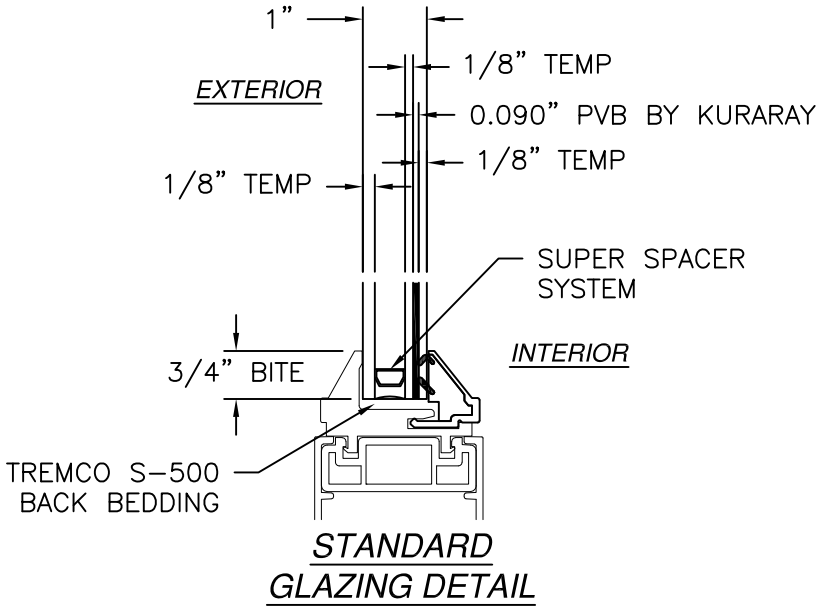
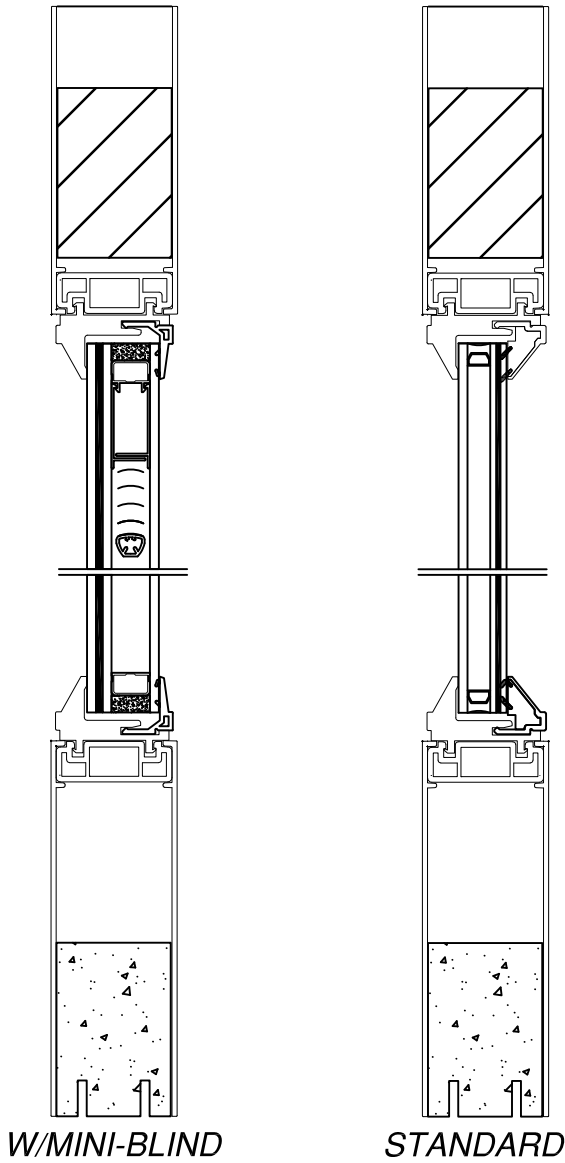
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APPROVED PANEL CONFIGURATIONS



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HOUSTON, TX 77029

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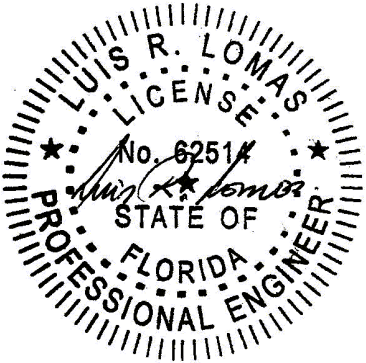
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SHEET 7 OF 13

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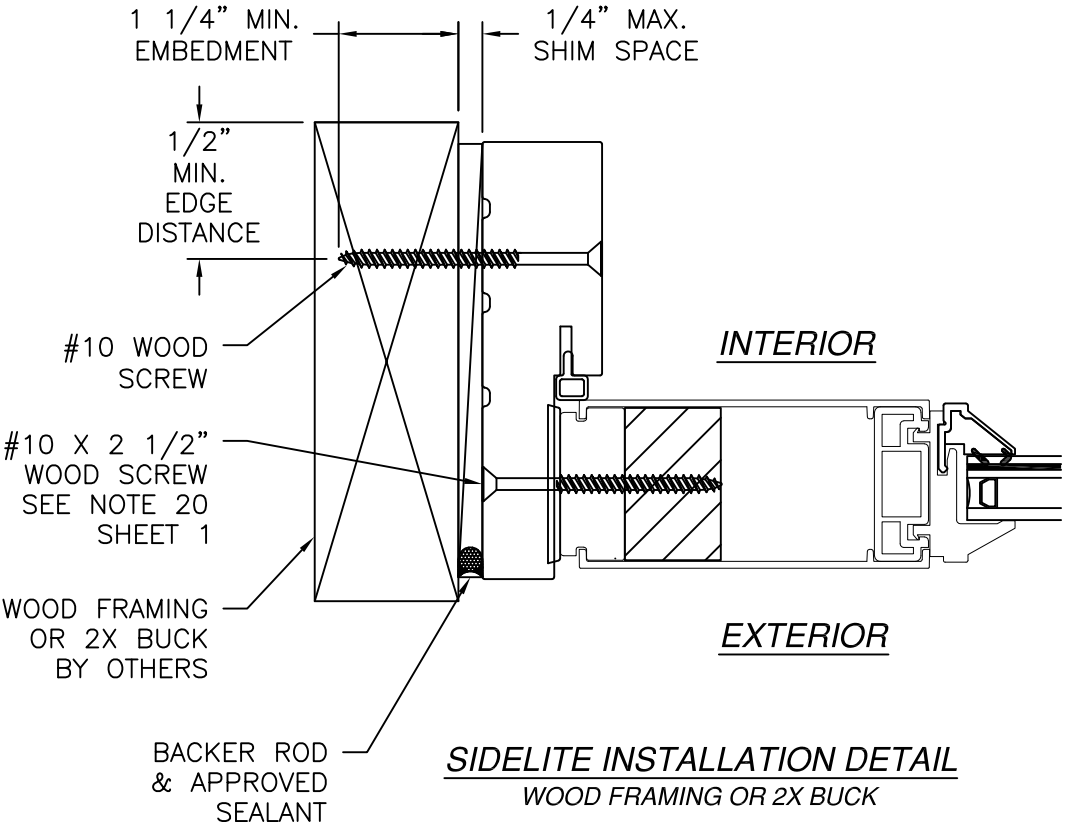
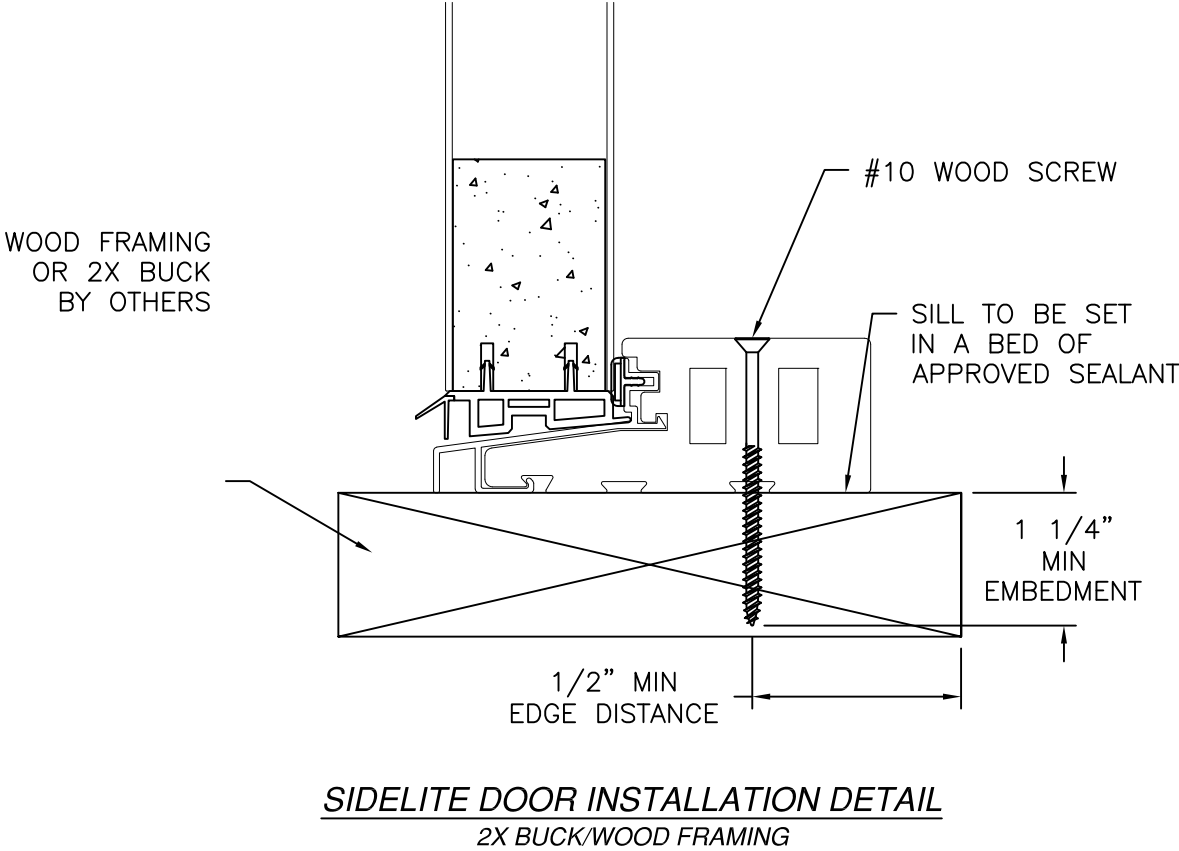
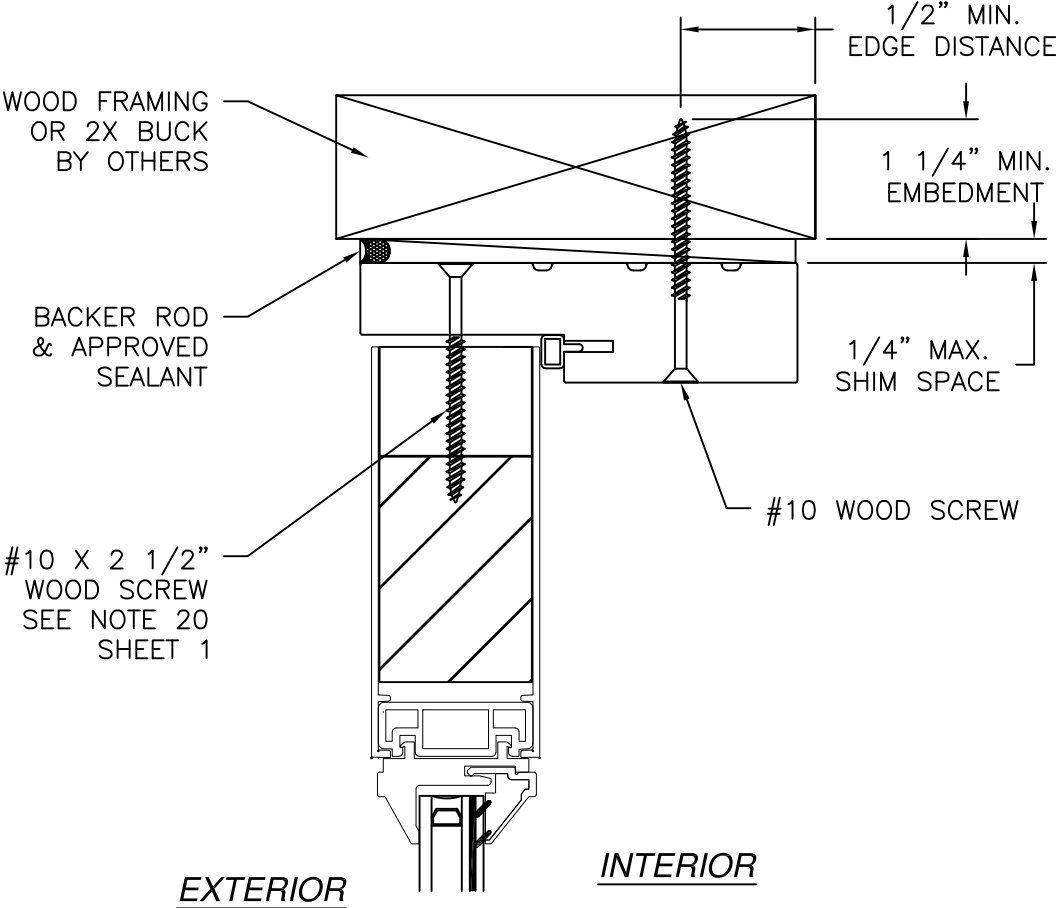
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- NOTES:
- INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
 - PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112

SIGNED: 06/04/2025

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8989 NORTH LOOP EAST
HOUSTON, TX 77029

SERIES SLPS OUT-SWING GLAZED FIBERGLASS
SIDE-HINGED PATIO DOOR 8'0 IMPACT
INSTALLATION DETAILS

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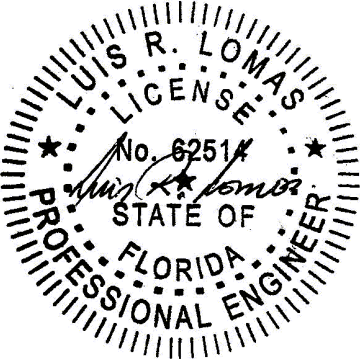
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SHEET 9 OF 13

L. ROBERTO LOMAS P.E.

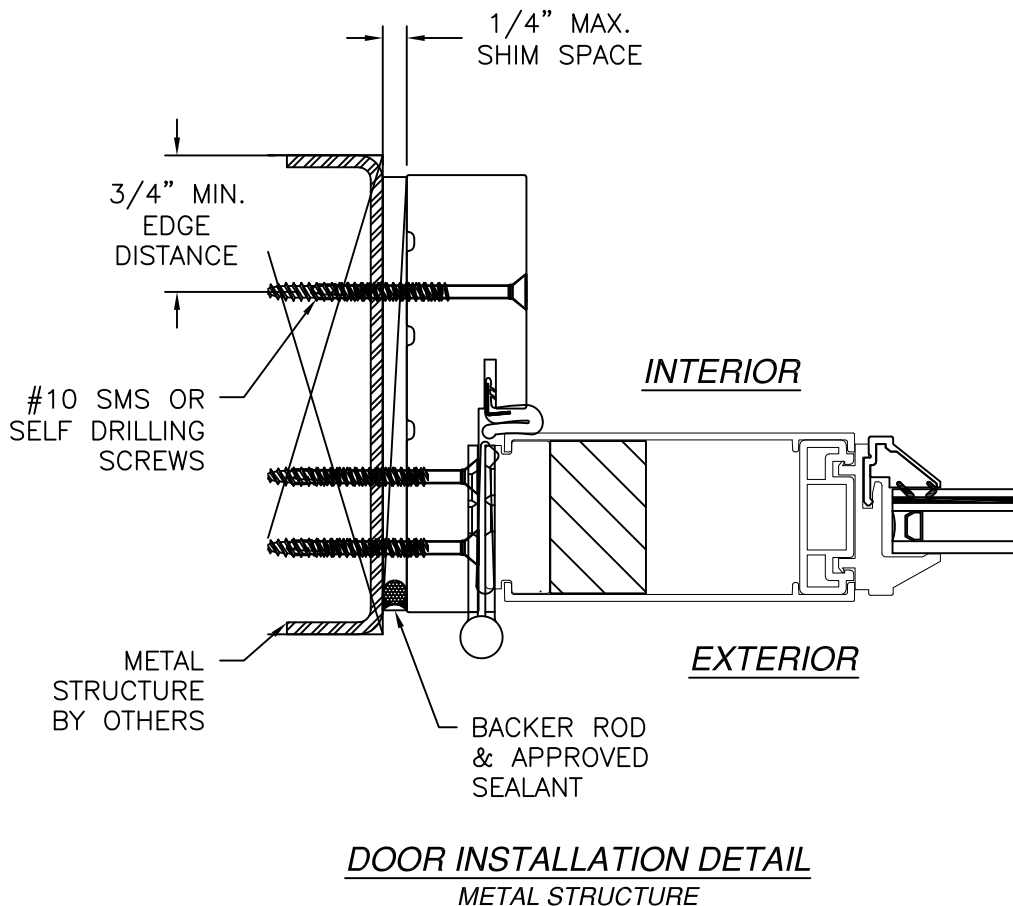
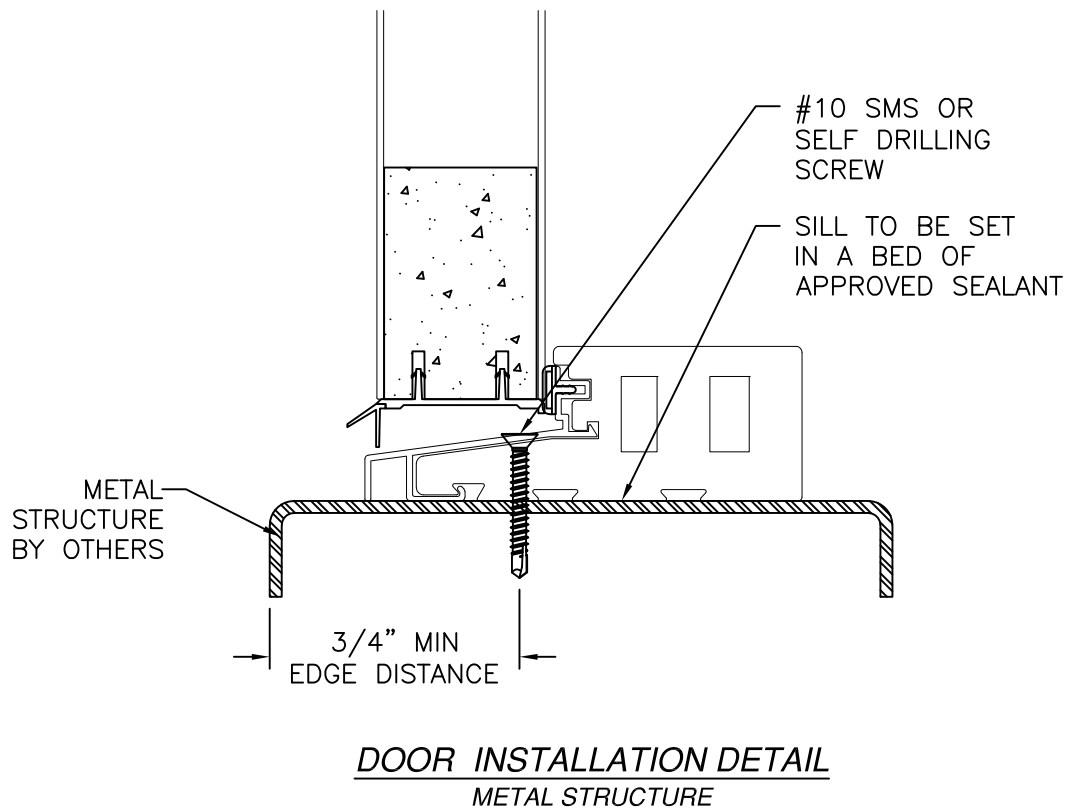
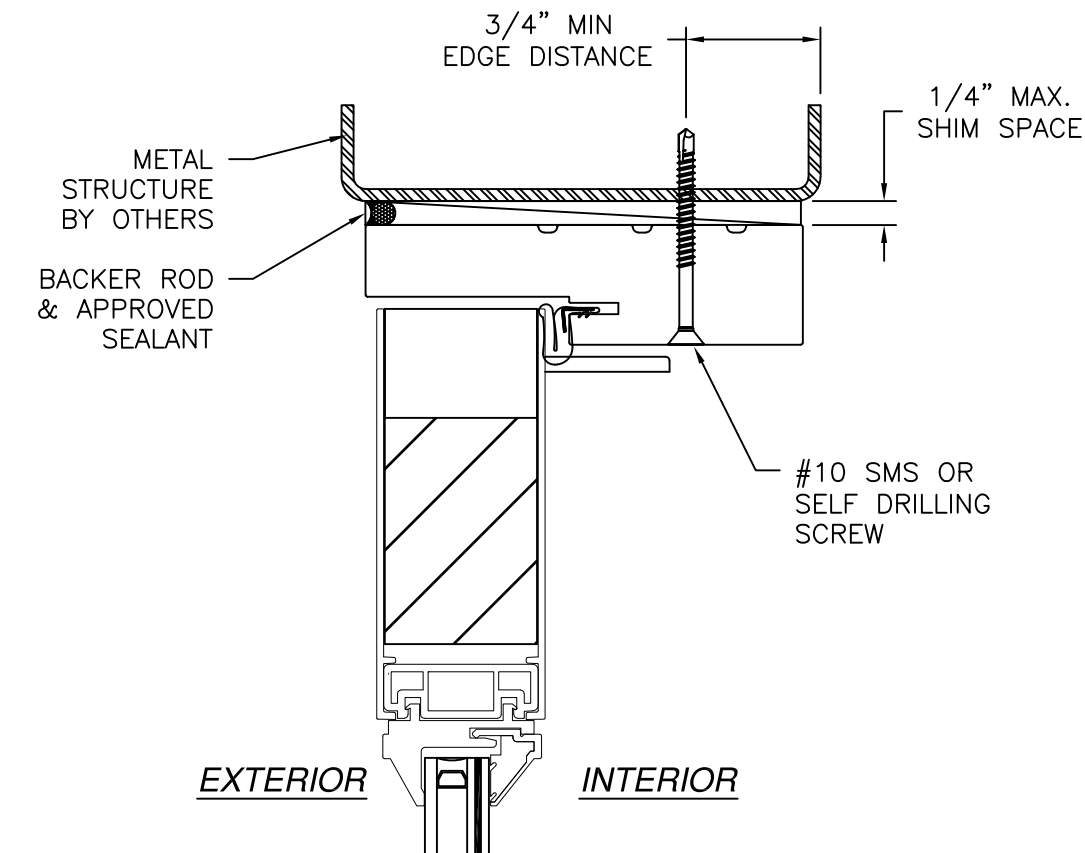
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8989 NORTH LOOP EAST

HOUSTON, TX 77029

SERIES SLPS OUT-SWING GLAZED FIBERGLASS

SIDE-HINGED PATIO DOOR 8'0 IMPACT

INSTALLATION DETAILS

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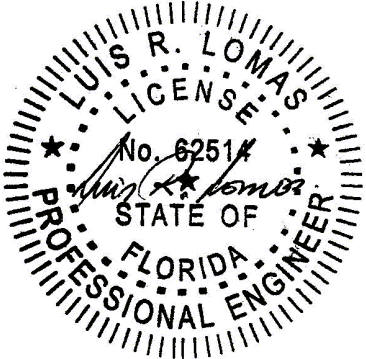
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SHEET 10 OF 13

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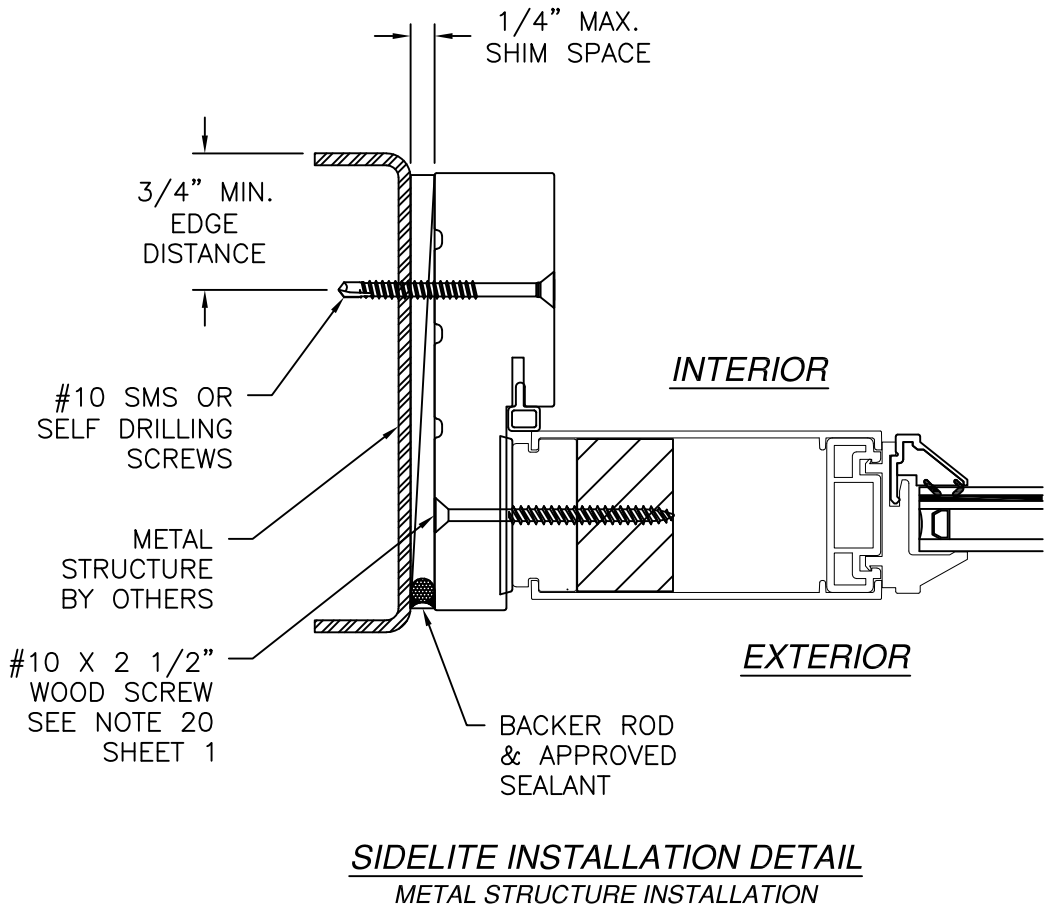
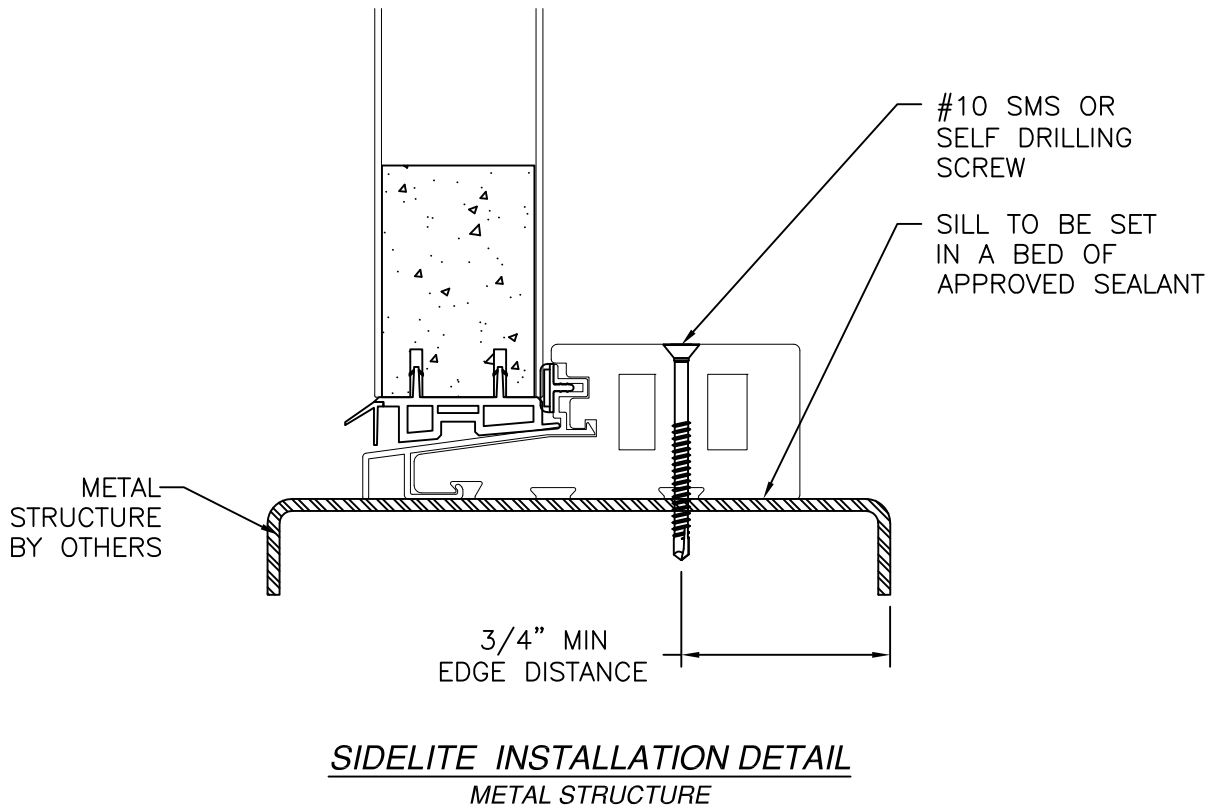
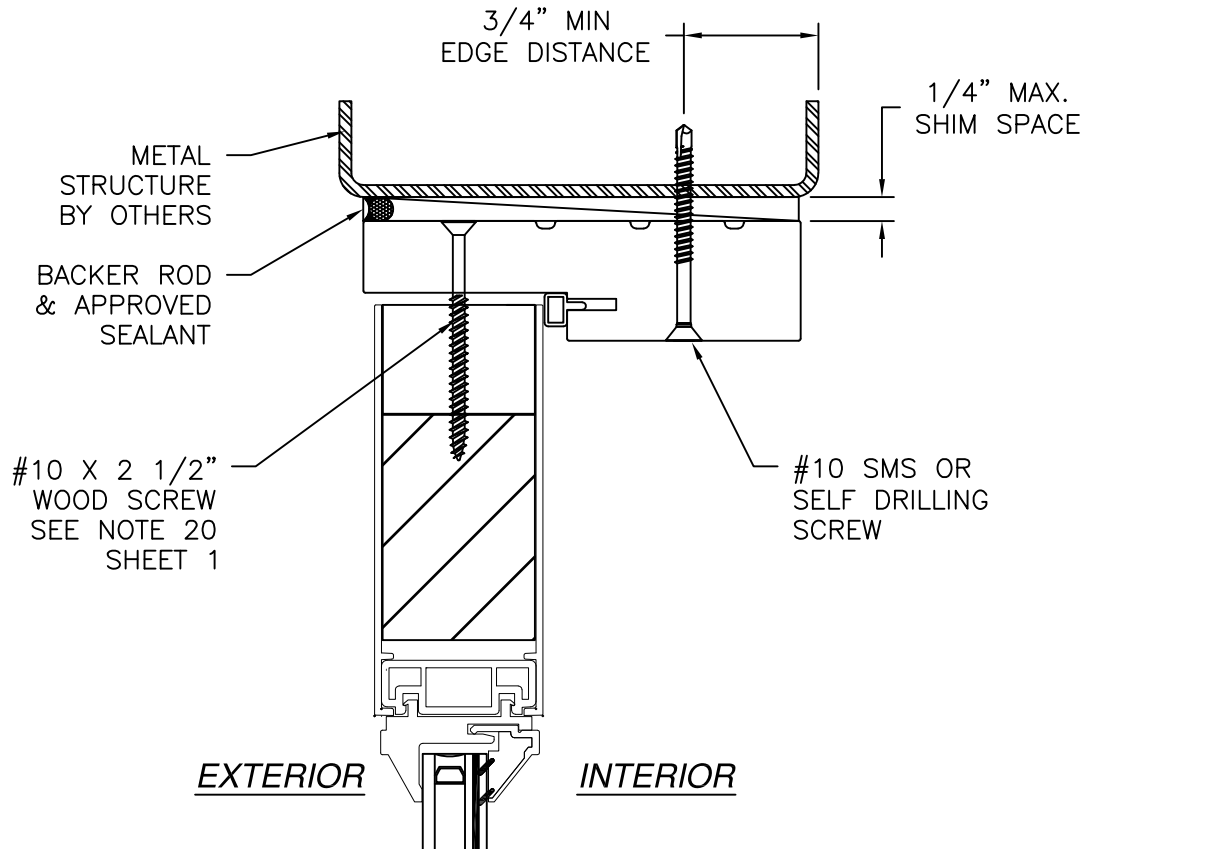
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HOUSTON, TX 77029

SERIES SLPS OUT-SWING GLAZED FIBERGLASS

SIDE-HINGED PATIO DOOR 8'0 IMPACT

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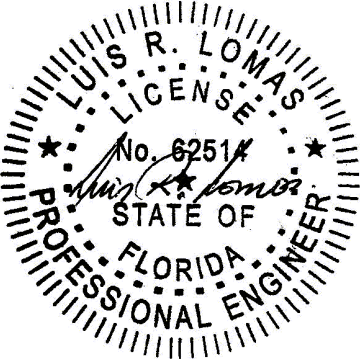
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SHEET 11 OF 13

L. ROBERTO LOMAS P.E.

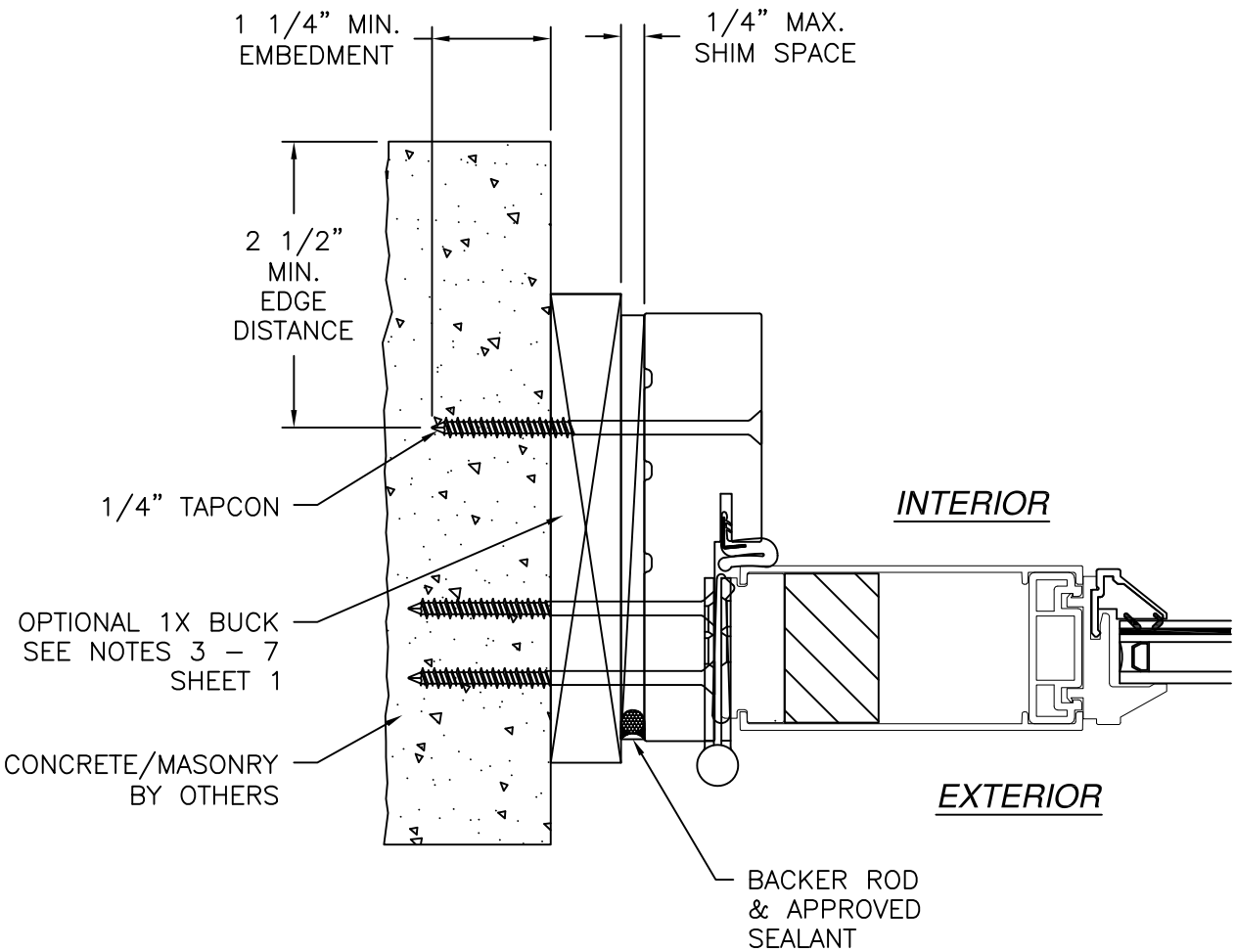
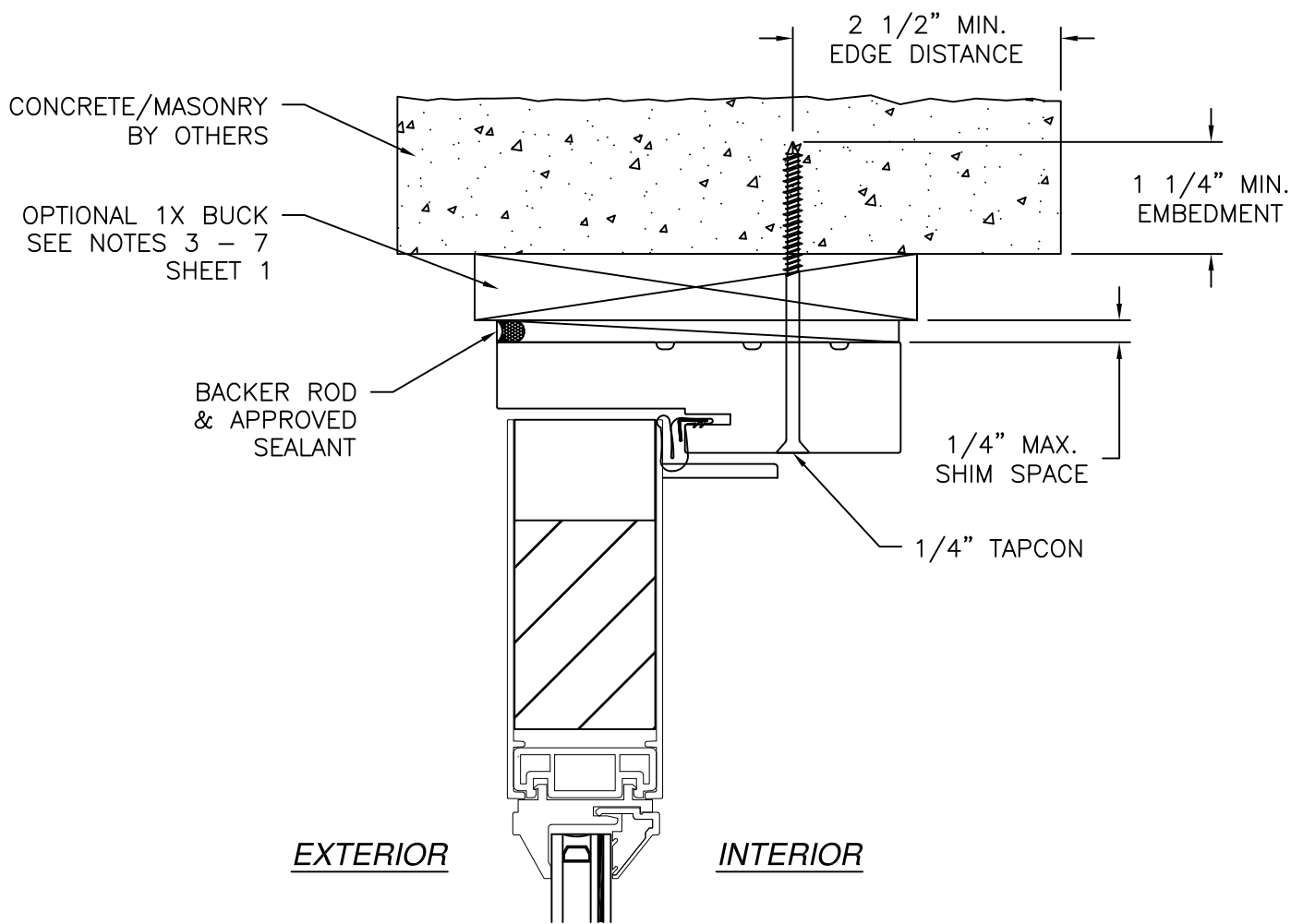
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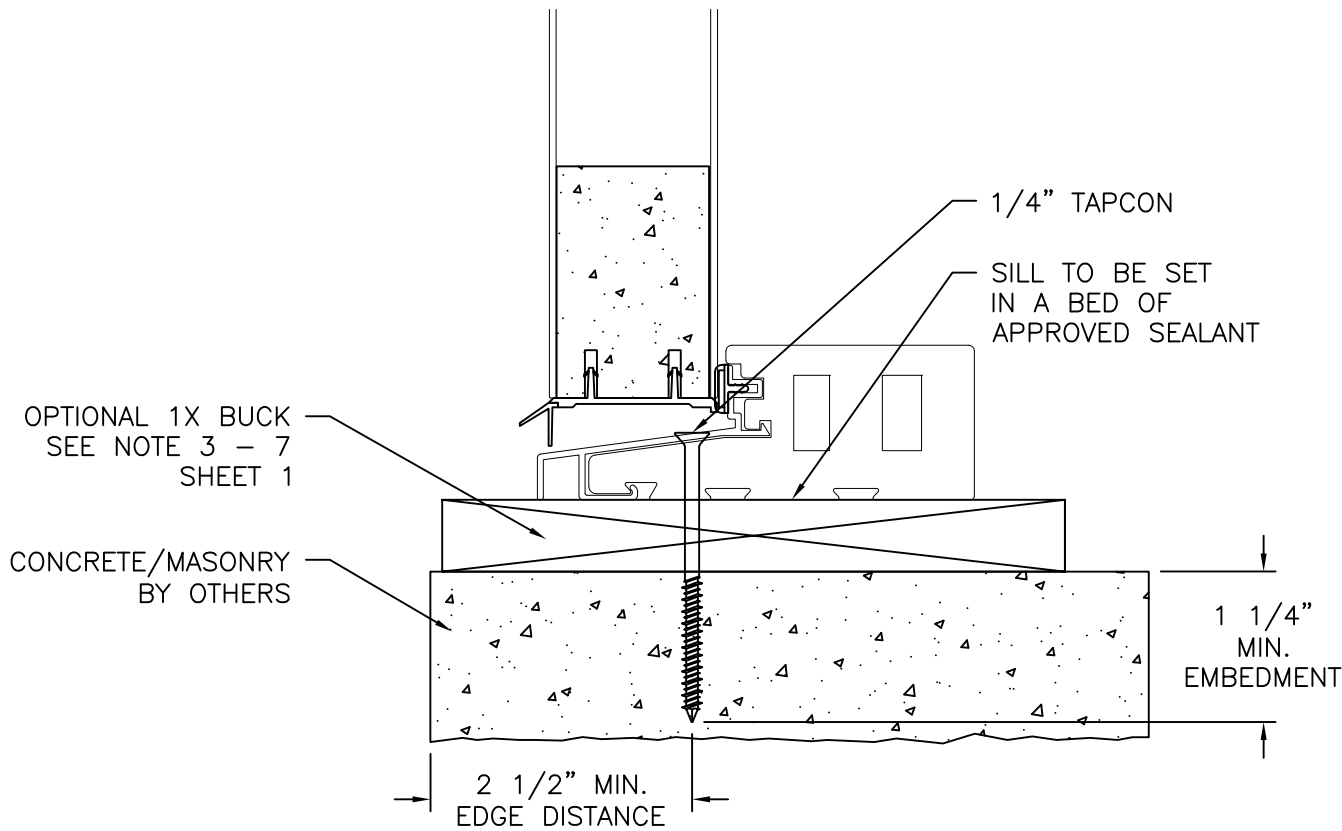
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DOOR INSTALLATION DETAIL
CONCRETE/MASONRY

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DOOR INSTALLATION DETAIL
MASONRY/CONCRETE

NAN YA PLASTICS CORP. USA

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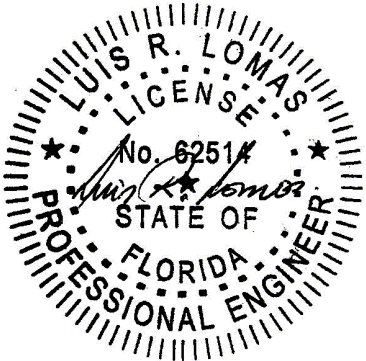
SHEET 12 OF 13

L. ROBERTO LOMAS P.E.

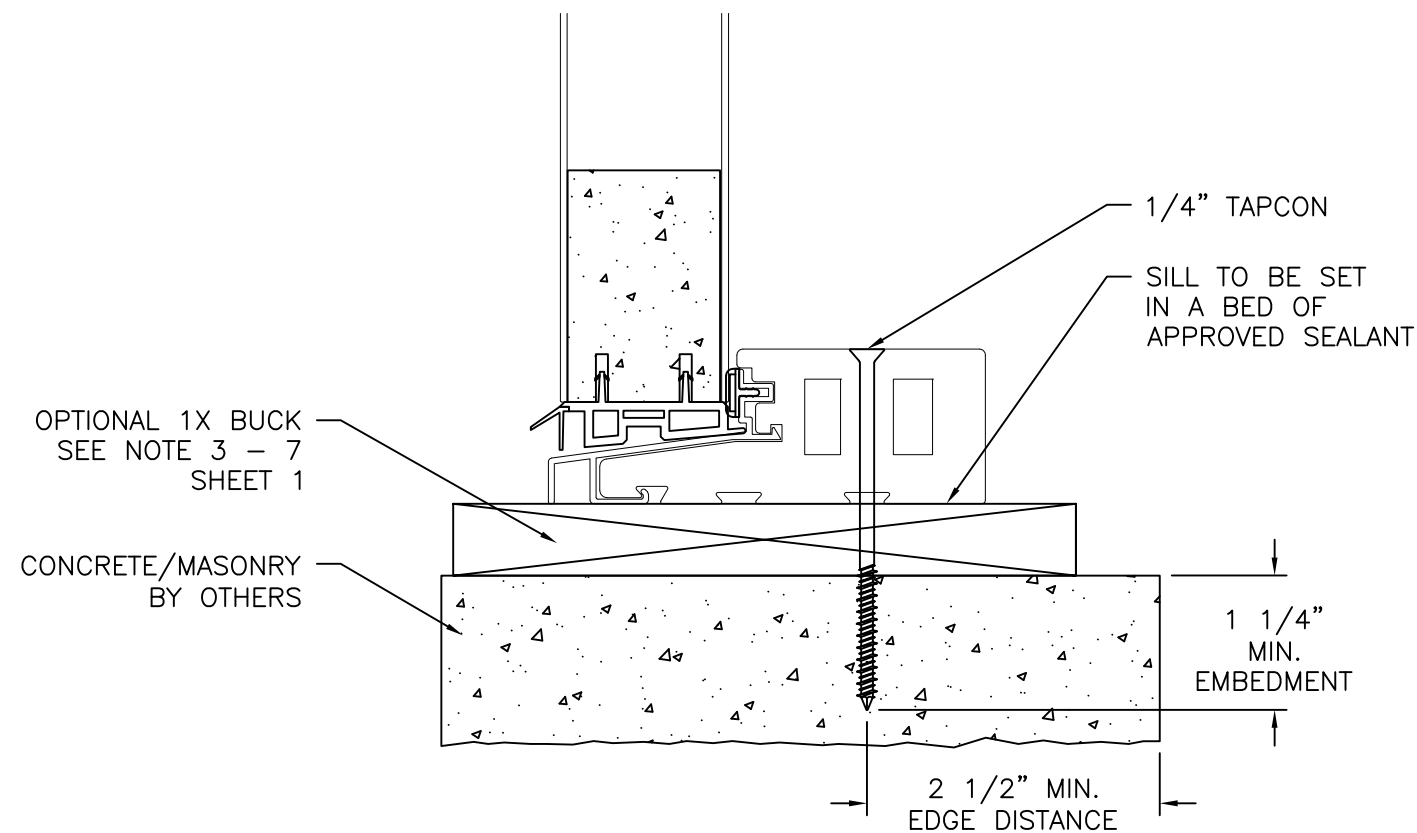
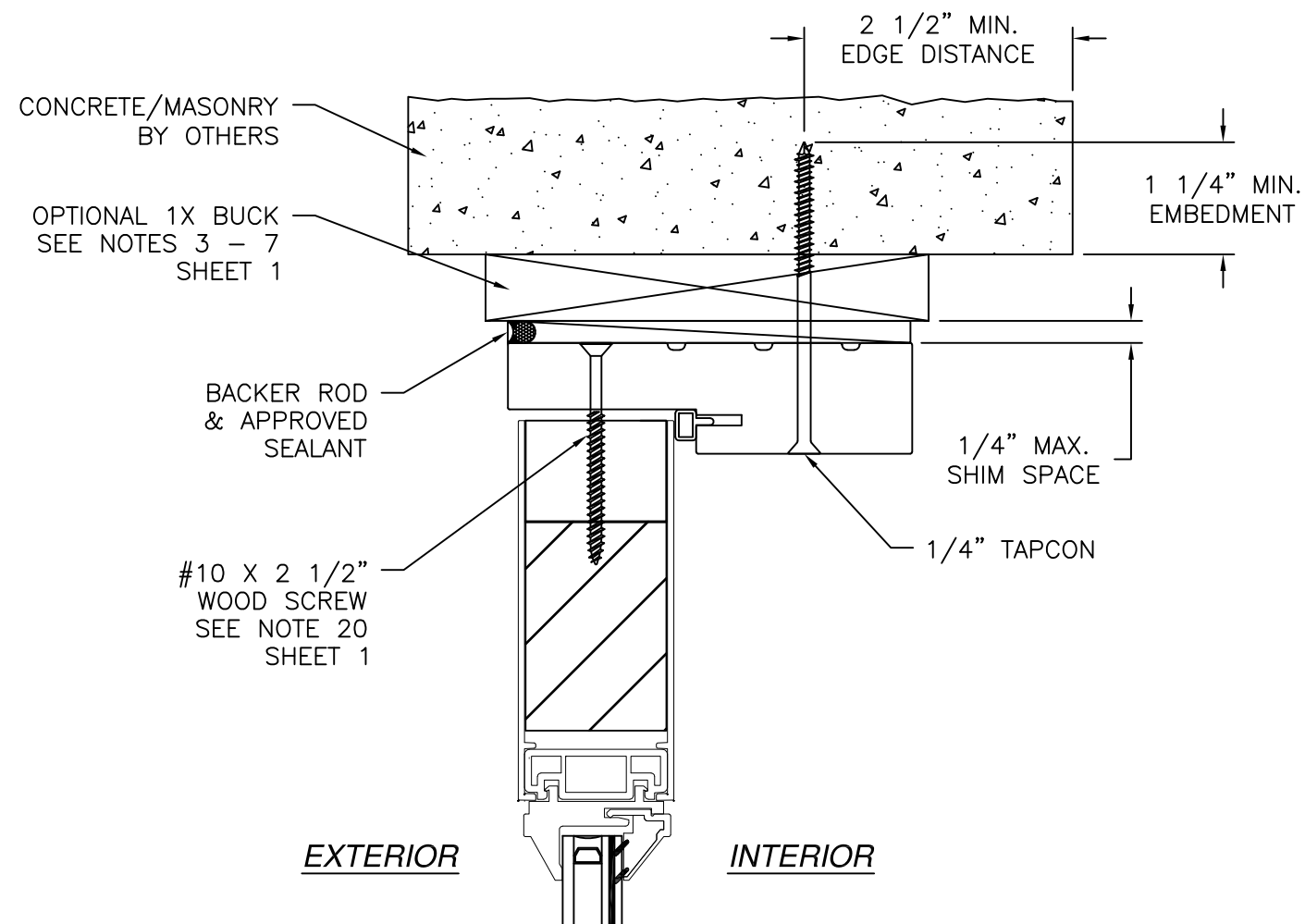
208 7th Ave, INDIALANTIC, FL 32903

434-688-0609 rllomas@rlomaspe.com

SIGNED: 06/04/2025

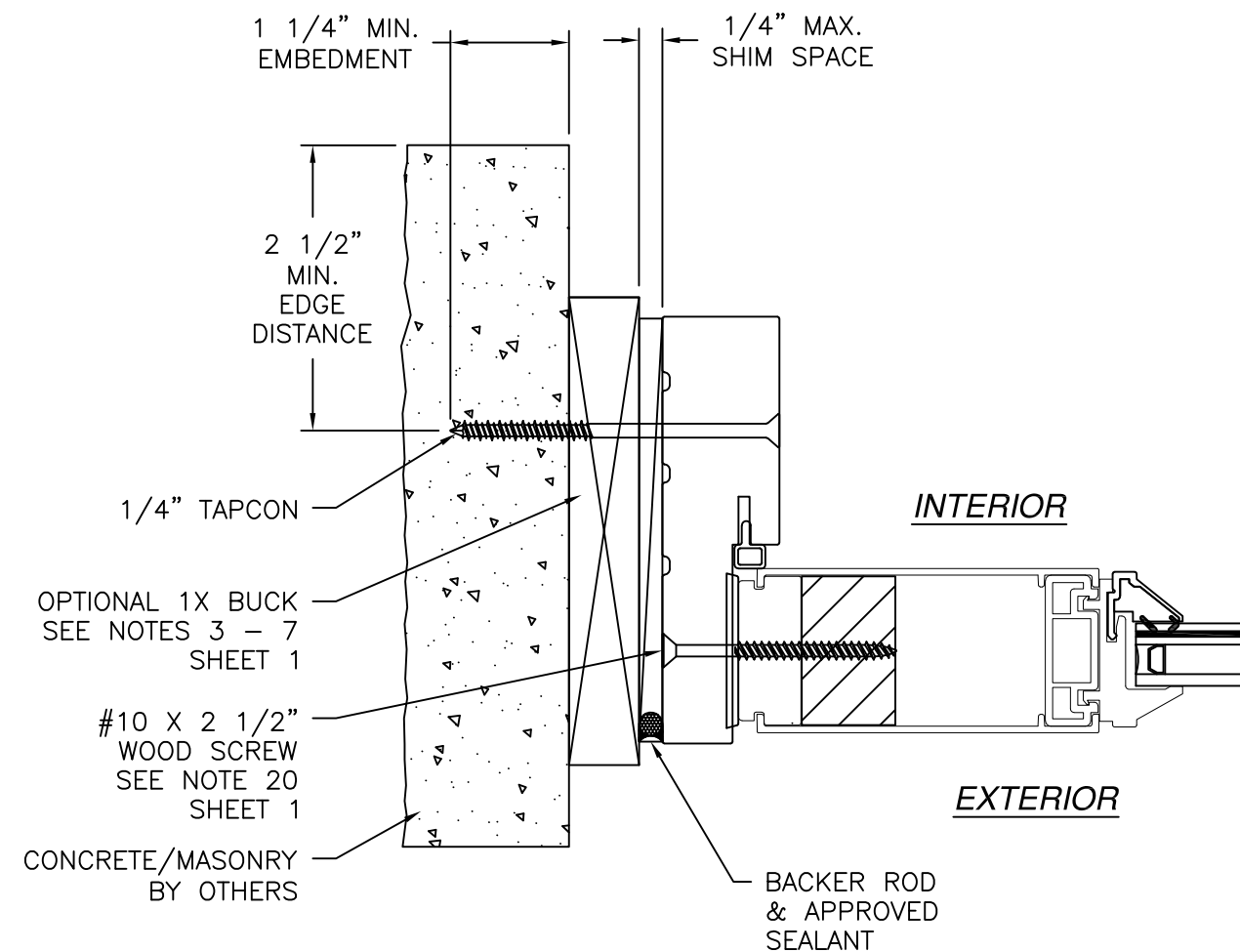


Luis R. Lomas P.E.
FL No.: 62514



SIDELITE INSTALLATION DETAIL
MASONRY/CONCRETE

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISE TO ADD GLAZING DETAILS	05/29/2025	R.L.



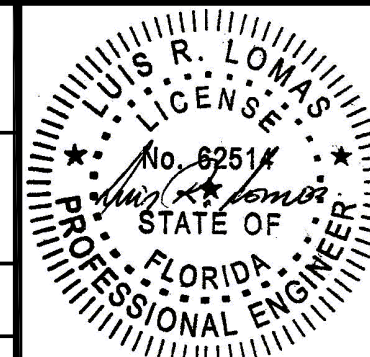
SIDELITE INSTALLATION DETAIL
CONCRETE/MASONRY

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

SIGNED: 06/04/2025

NAN YA PLASTICS CORP. USA 8989 NORTH LOOP EAST HOUSTON, TX 77029		
SERIES SLPS OUT-SWING GLAZED FIBERGLASS SIDE-HINGED PATIO DOOR 8'0 IMPACT INSTALLATION DETAILS		
DRAWN: V.L.	DWG NO. 08-02757A	REV A
SCALE NTS	DATE 08/28/15	SHEET 13 OF 13
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@rlomaspe.com		



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