

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, WITH SAFETY GLASS.
13. APPROVED IMPACT PROTECTIVE SYSTEM IS 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.

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2	ELEVATION
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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 NON-IMPACT

NOTES

DRAWN: N.G.

DWG NO. 08-02813A

REV A

SCALE NTS

DATE 09/08/15

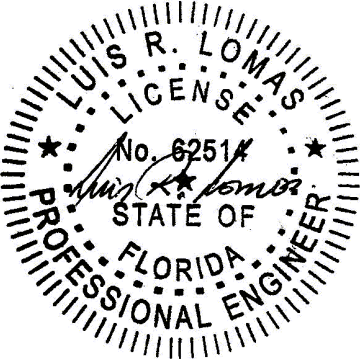
SHEET 1 OF 13

L. ROBERTO LOMAS P.E.

208 7th Ave, INDIALANTIC, FL 32903

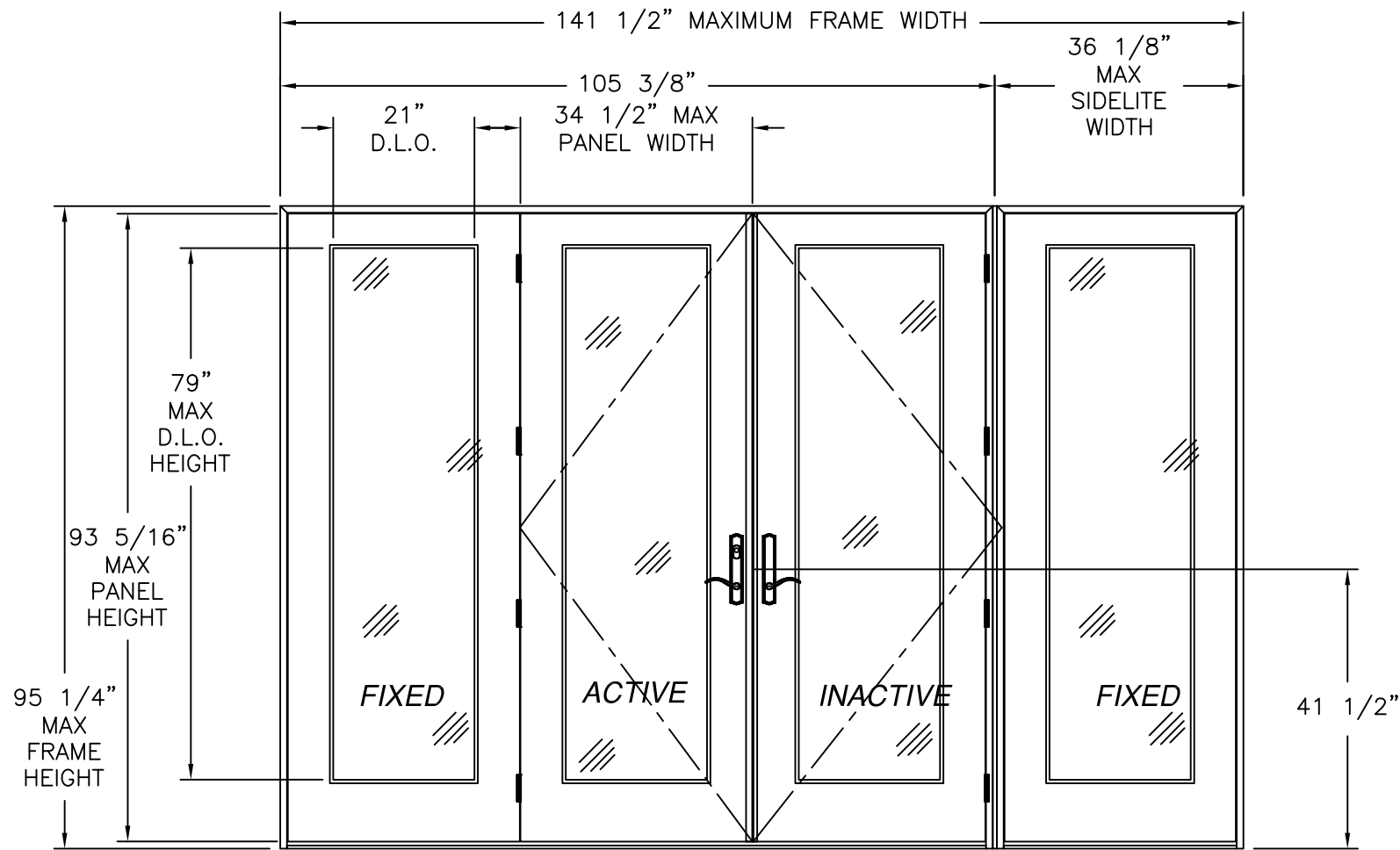
434-688-0609 rlomas@lrlomaspe.com

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Luis R. Lomas P.E.

FL No.: 62514



SERIES SLPS OUT-SWING GLAZED FIBERGLASS SIDE-HINGE PATIO DOOR W/ SIDELITE
EXTERIOR VIEW

DESIGN PRESSURE RATING	IMPACT RATING
±60.0PSF	NONE

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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SIDE-HINGED PATIO DOOR 8'0 NON-IMPACT
ELEVATION

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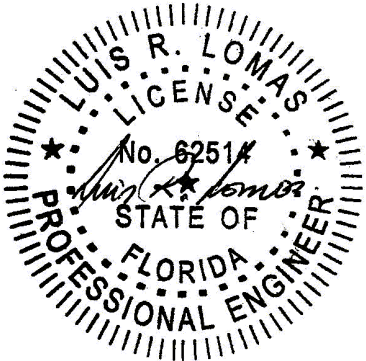
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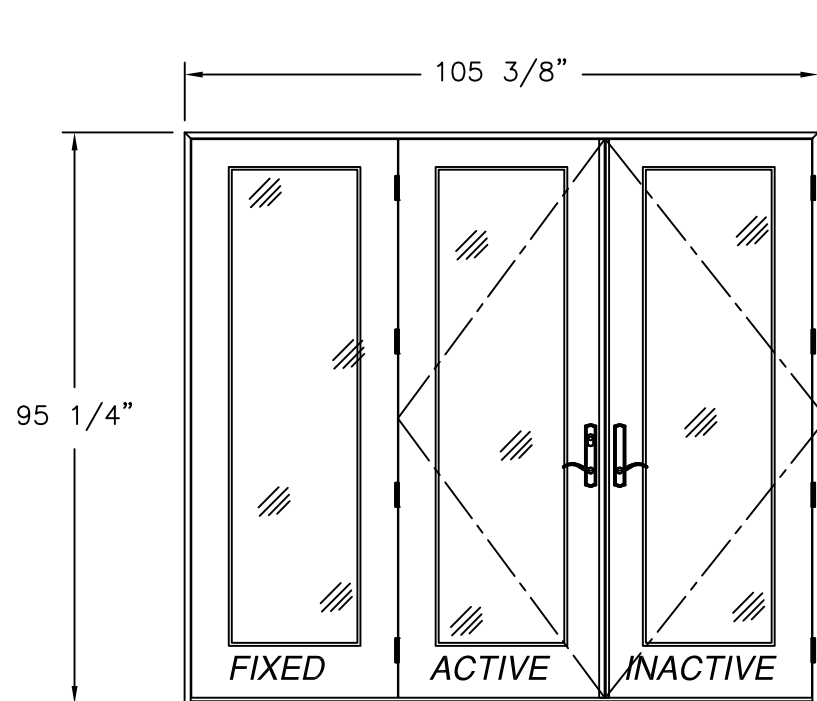
SHEET 2 OF 13

L. ROBERTO LOMAS P.E.
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434-688-0609 rllomas@lrlomaspe.com

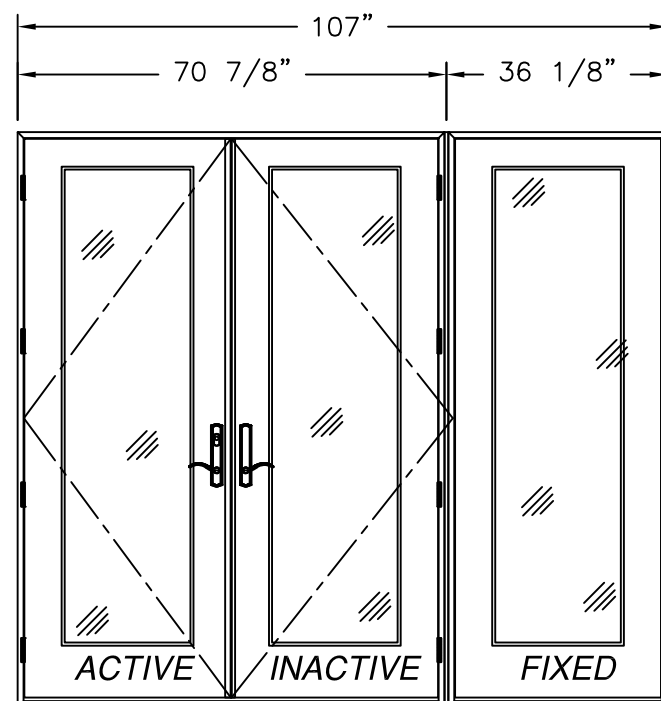
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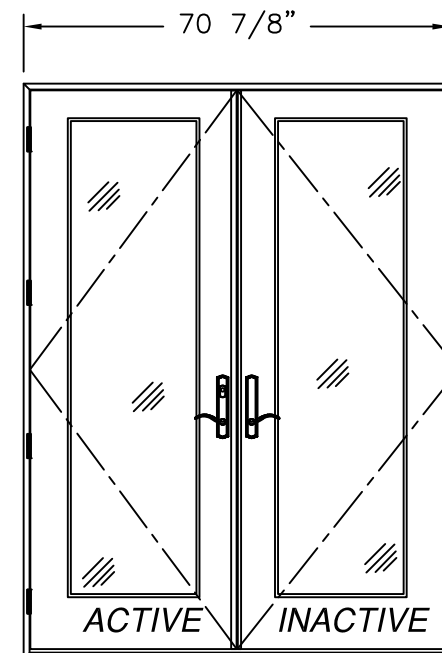
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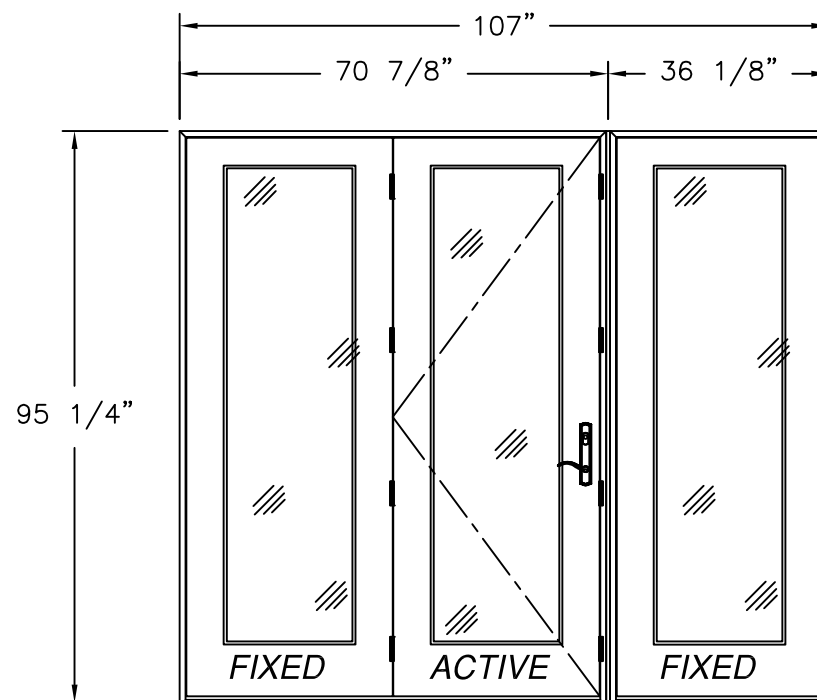
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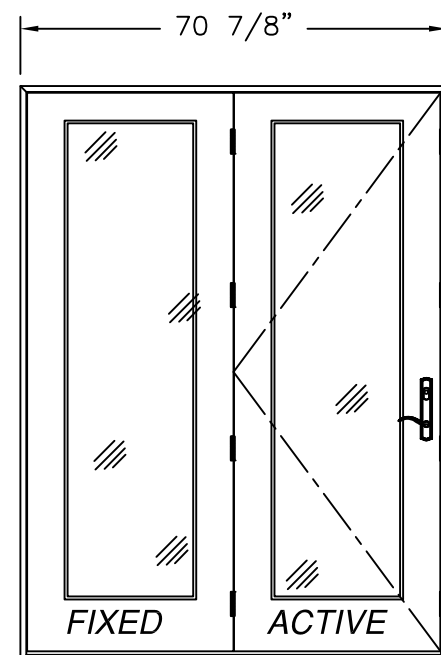
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EXTERIOR VIEW



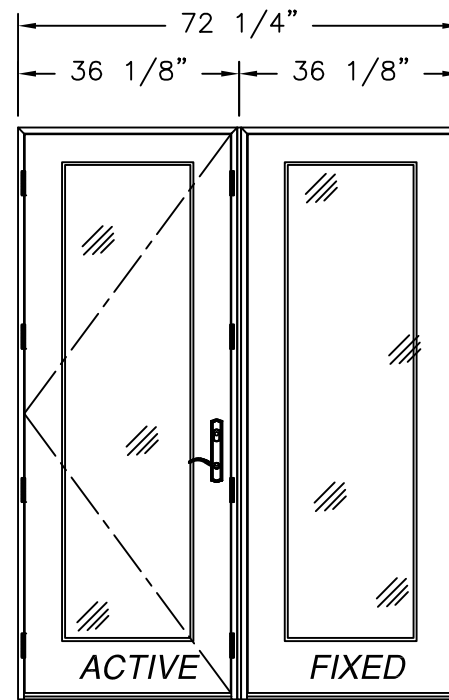
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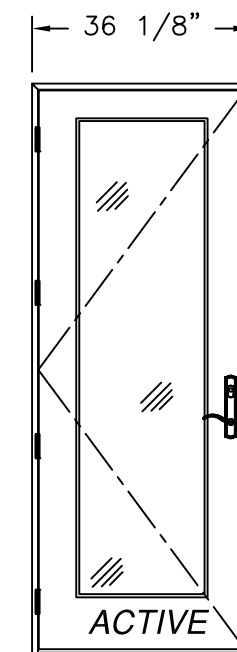
SINGLE W/SIDELITE (MULL)
EXTERIOR VIEW



SINGLE W/SIDELITE
EXTERIOR VIEW



SINGLE W/SIDELITE (MULL)
EXTERIOR VIEW



SINGLE
EXTERIOR VIEW

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

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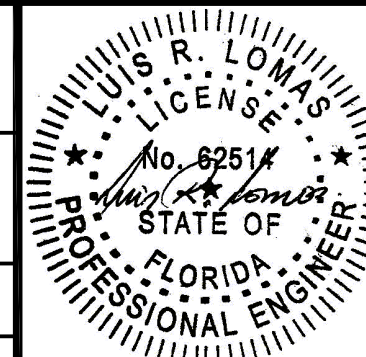
SERIES SLPS OUT-SWING GLAZED FIBERGLASS
SIDE-HINGED PATIO DOOR 8'0 NON-IMPACT
APPROVED CONFIGURATIONS

DRAWN: N.G. DWG NO. 08-02813A REV A

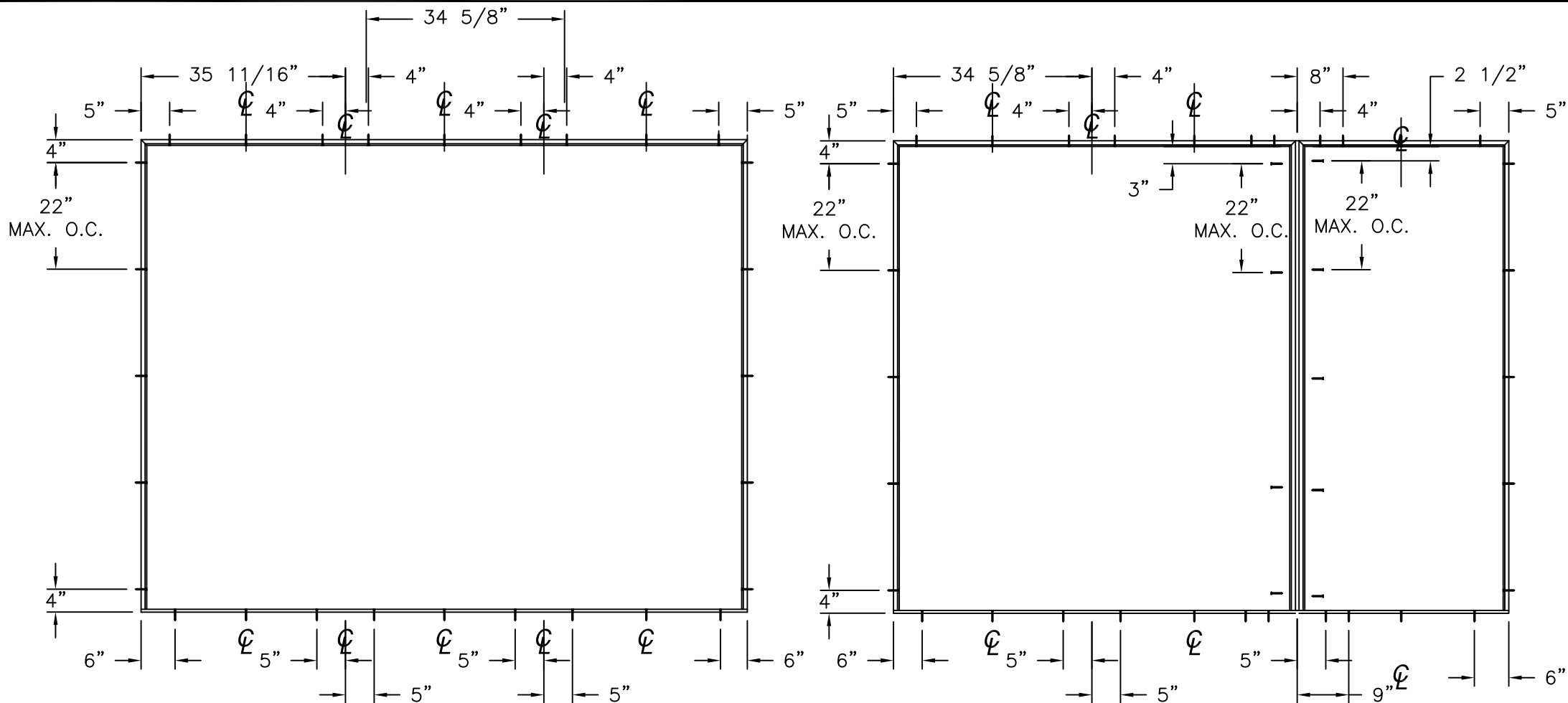
SCALE NTS DATE 09/08/15 SHEET 3 OF 13

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434-688-0609 rllomas@lrlomaspe.com

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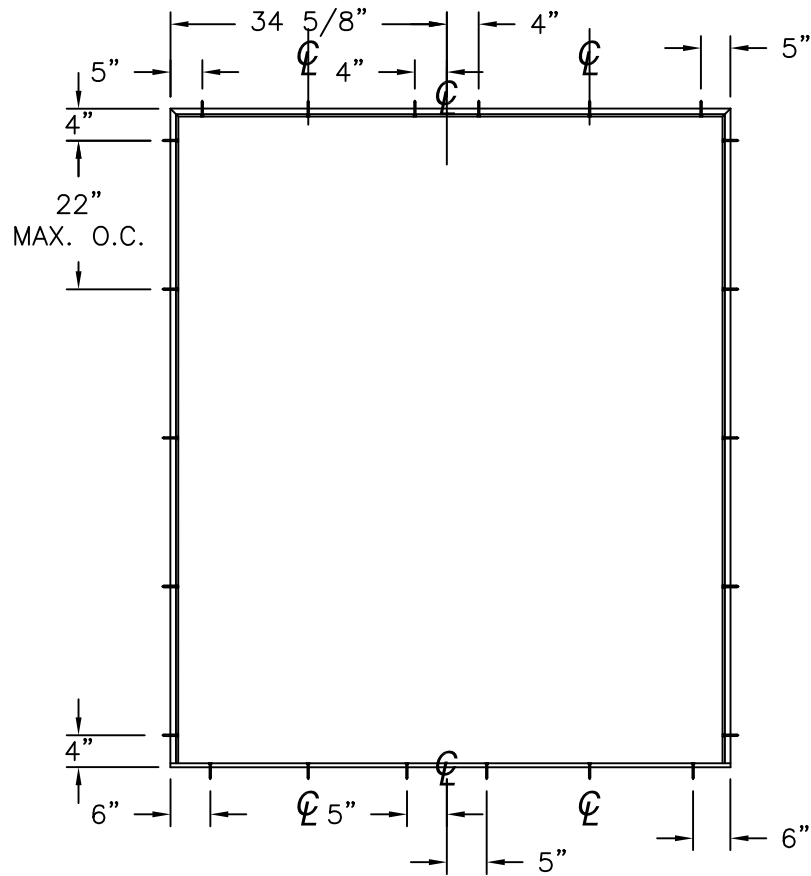


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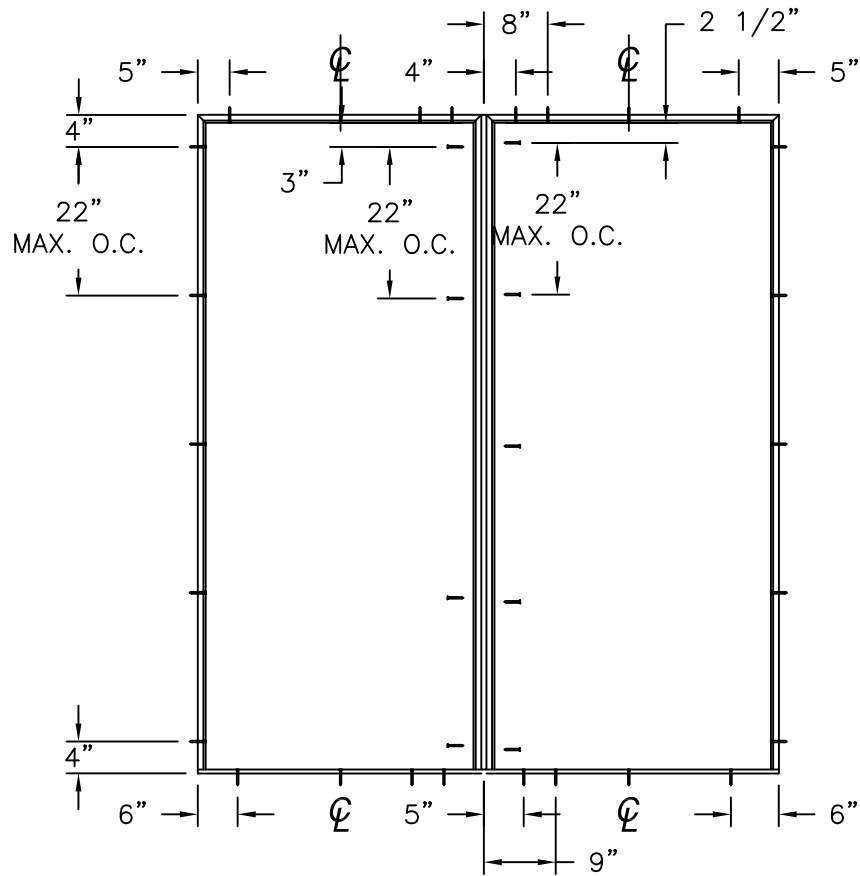


ANCHORING LAYOUT FOR OXO, XXO AND OXX

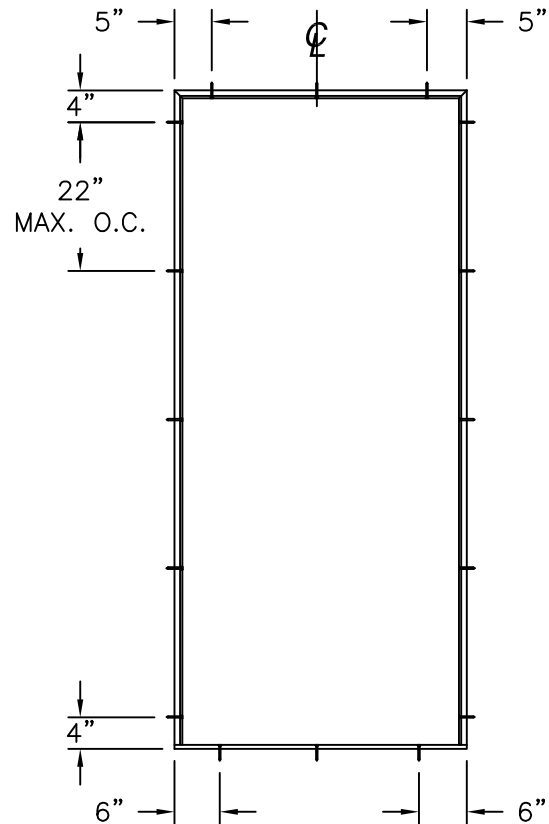
ANCHORING LAYOUT FOR OXO, XXO AND OXX (MULL)



ANCHORING LAYOUT FOR XX, OX AND XO



ANCHORING LAYOUT FOR OX AND XO (MULL)



ANCHORING LAYOUT FOR X

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SIDE-HINGED PATIO DOOR 8'0 NON-IMPACT
ANCHORING LAYOUTS

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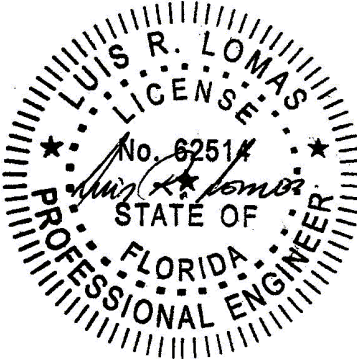
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SHEET
5 OF 13

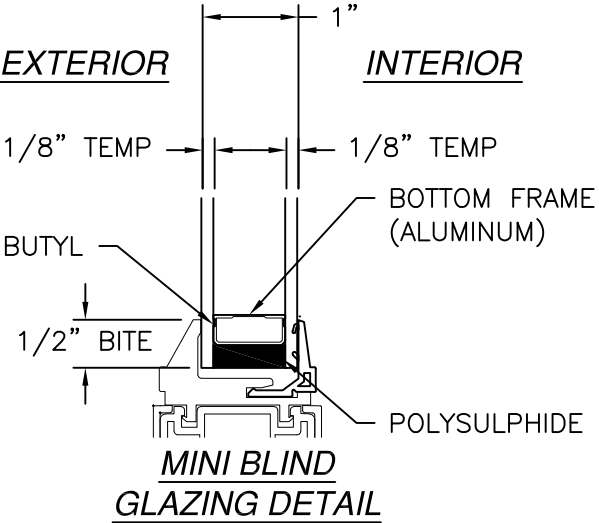
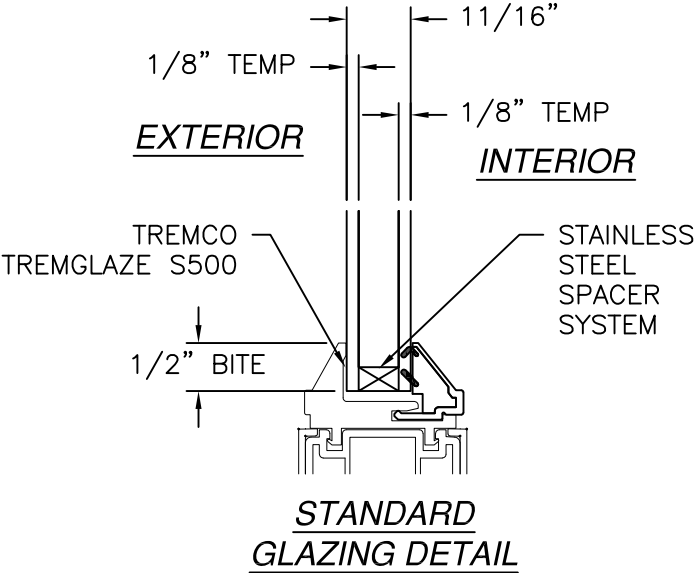
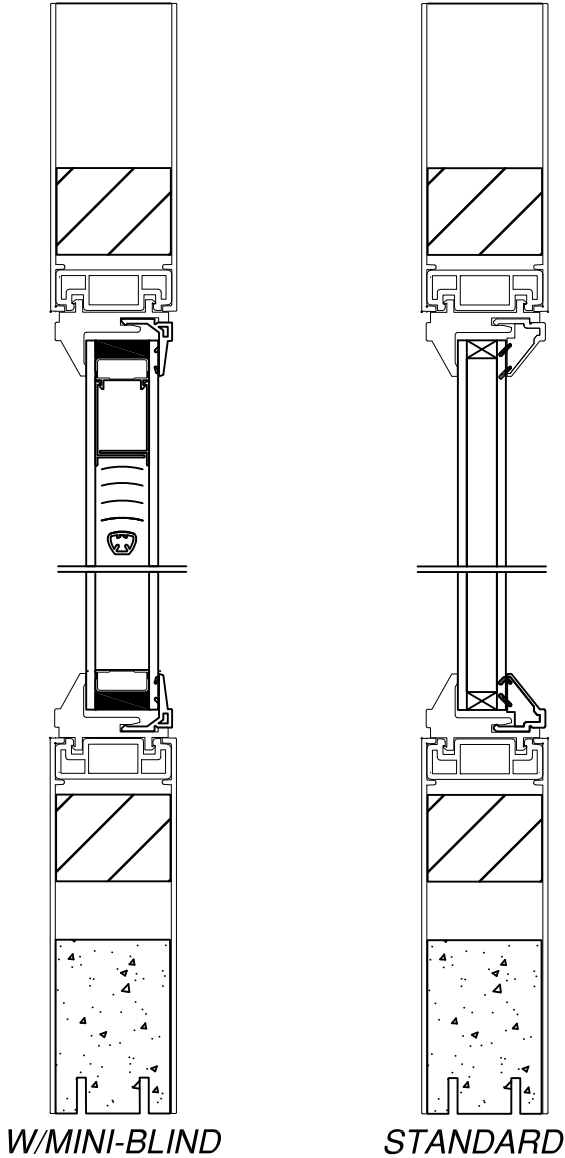
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APPROVED PANEL CONFIGURATIONS



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8989 NORTH LOOP EAST

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GLAZING DETAILS

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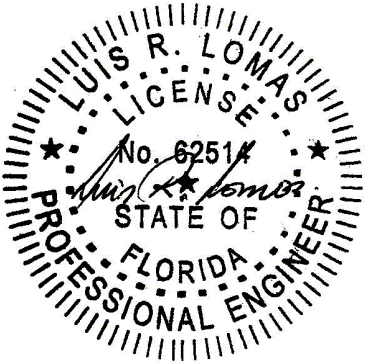
SHEET 6 OF 13

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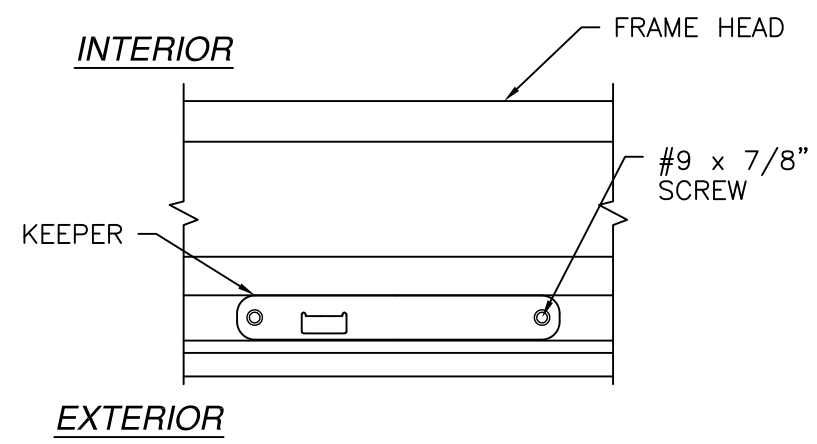
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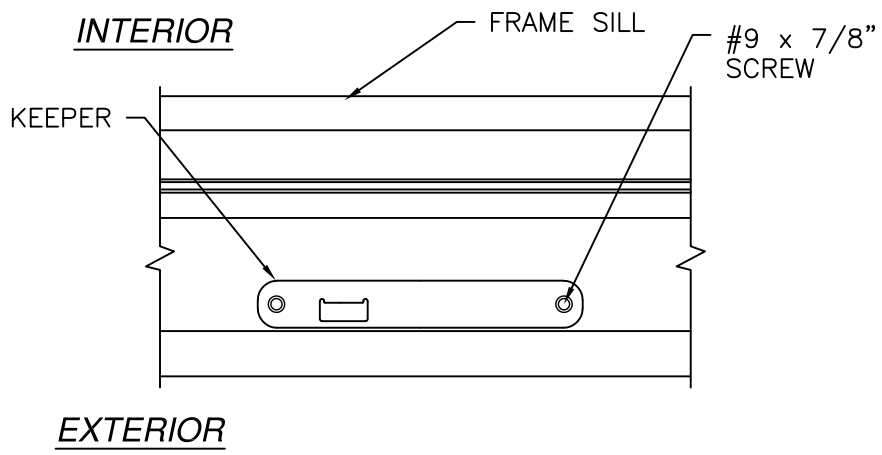
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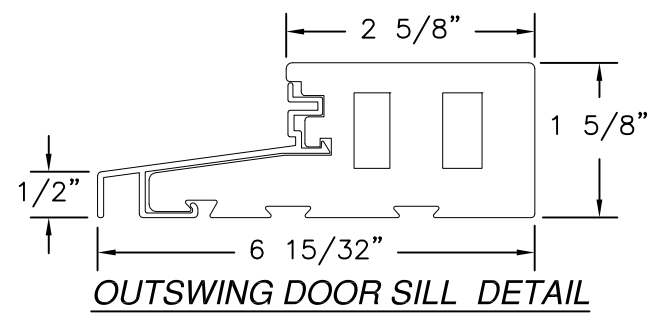
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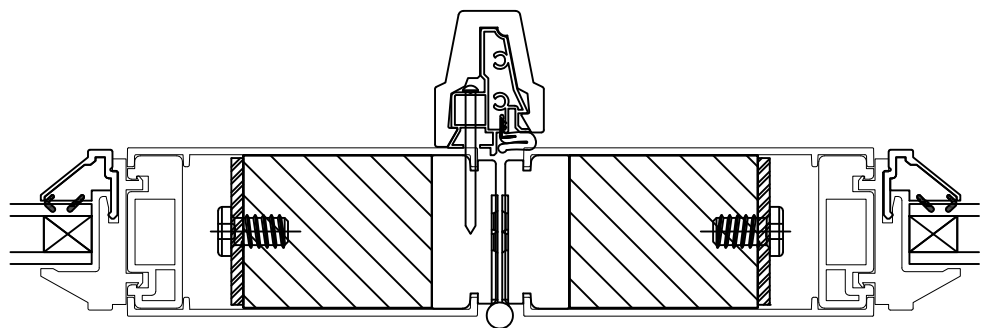
HEAD KEEPER DETAIL



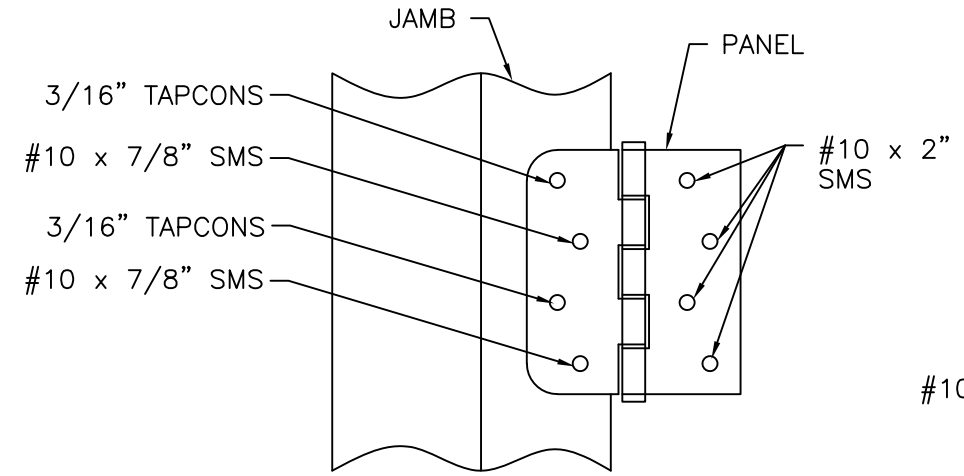
SILL KEEPER DETAIL



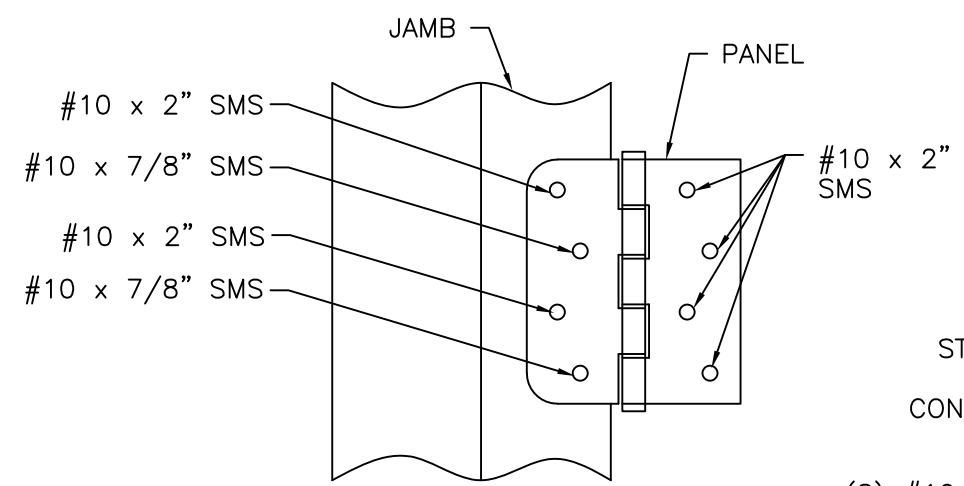
OUTSWING DOOR SILL DETAIL



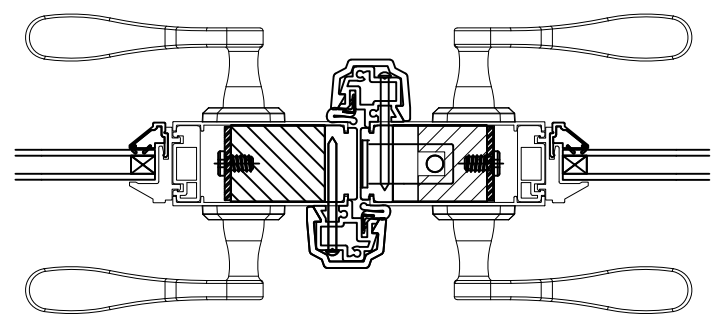
HINGE DETAIL



HINGE INSTALLATION DETAIL
MASONRY/CONCRETE INSTALLATION

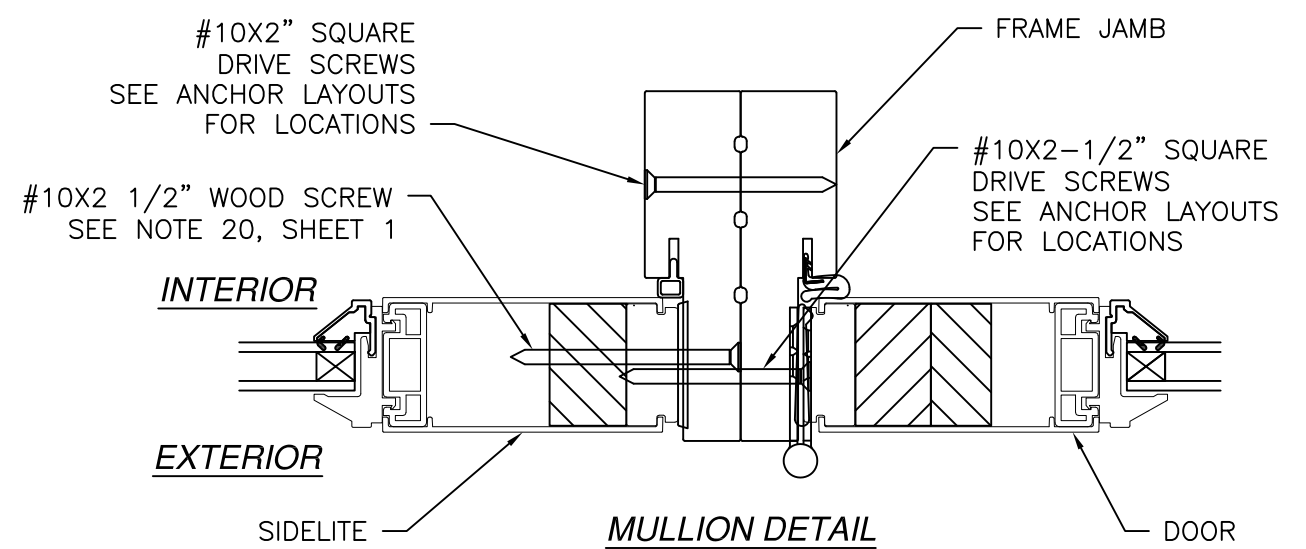


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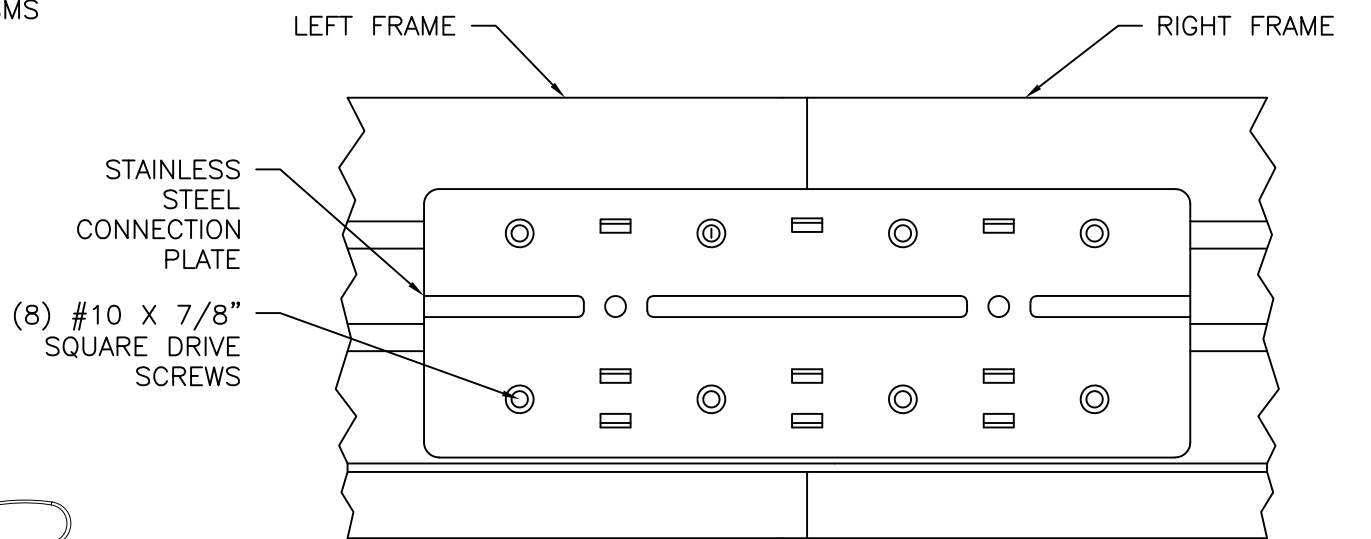


LOCKING SYSTEM DETAIL

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MULLION DETAIL



FRAME CONNECTION DETAIL

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HOUSTON, TX 77029

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

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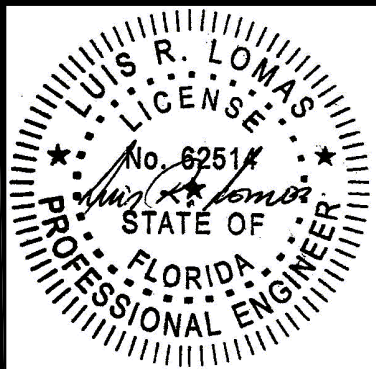
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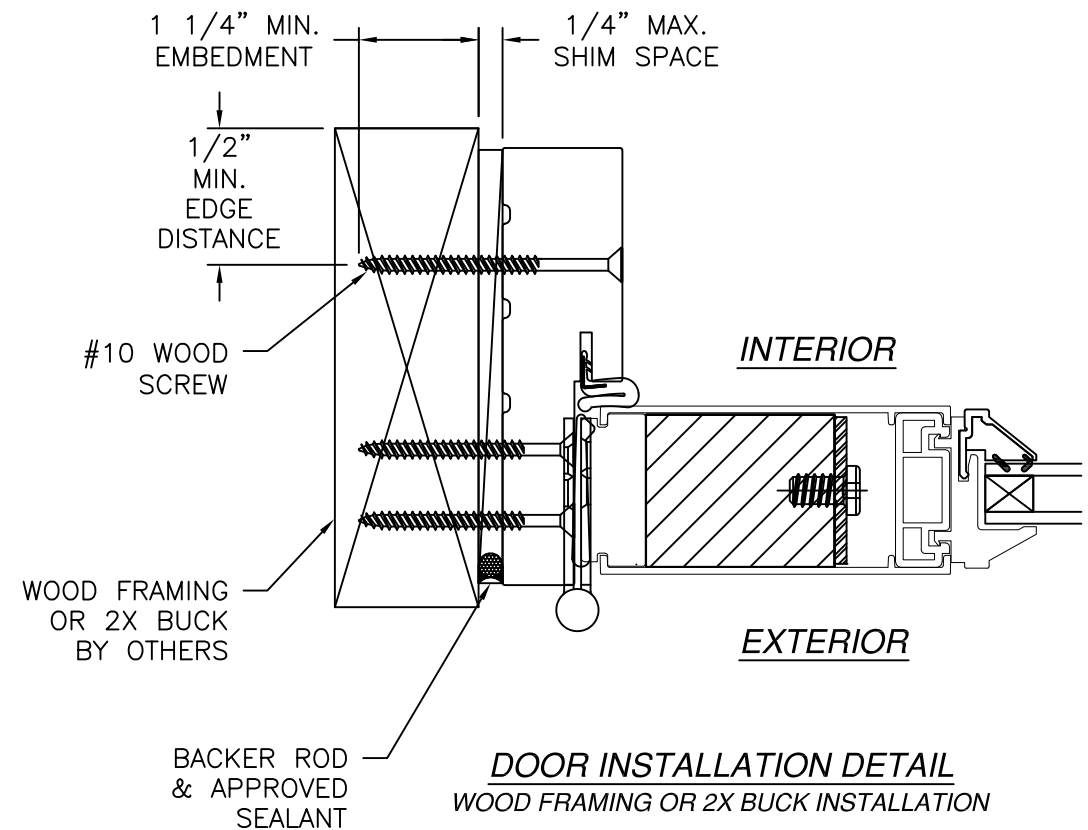
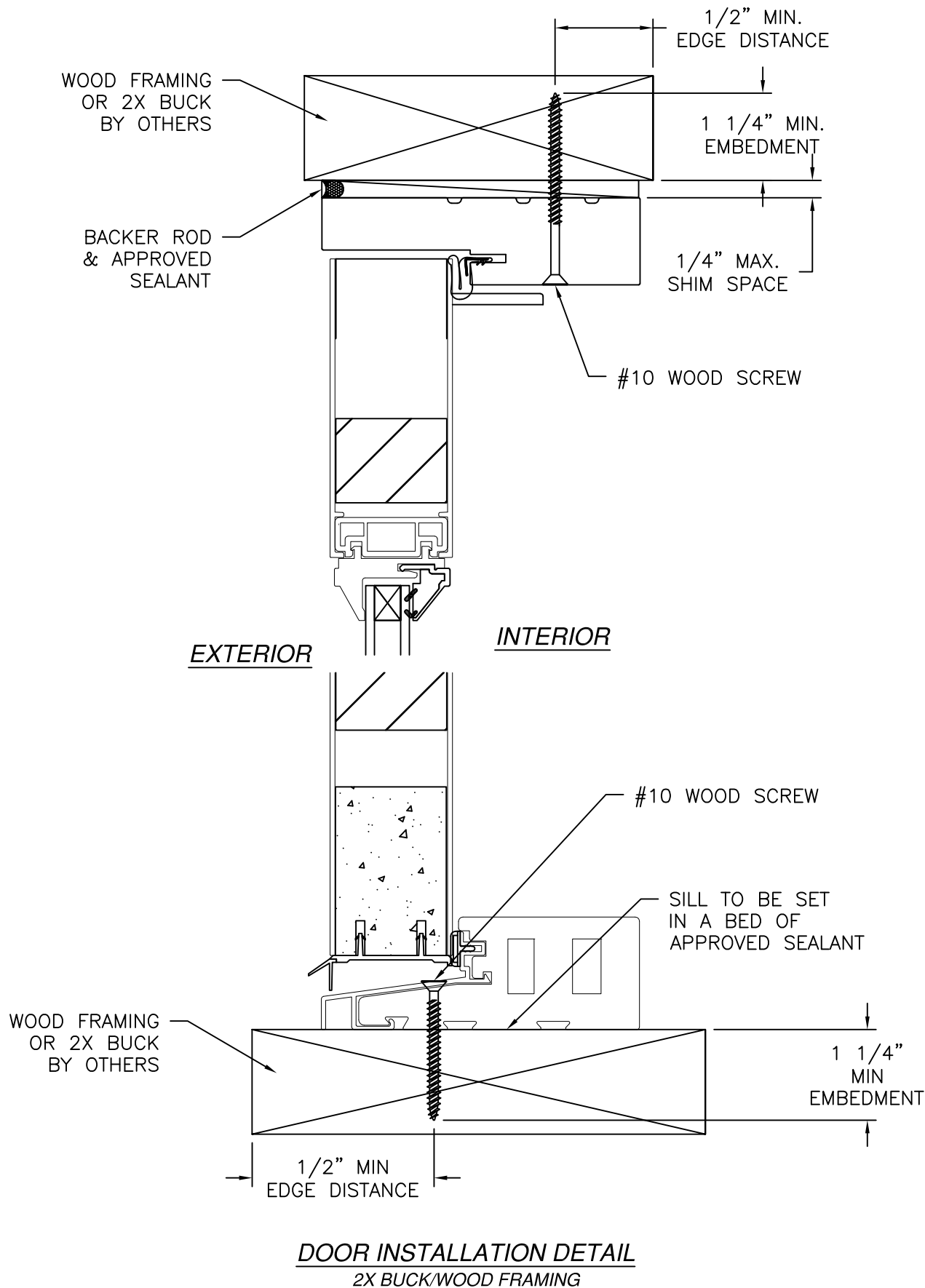
SHEET
7 OF 13

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- 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: 05/29/2025

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8989 NORTH LOOP EAST
HOUSTON, TX 77029

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

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DWG NO. 08-02813A

REV A

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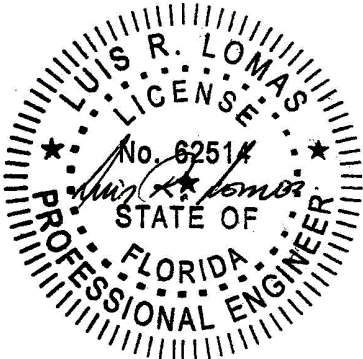
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SHEET 8 OF 13

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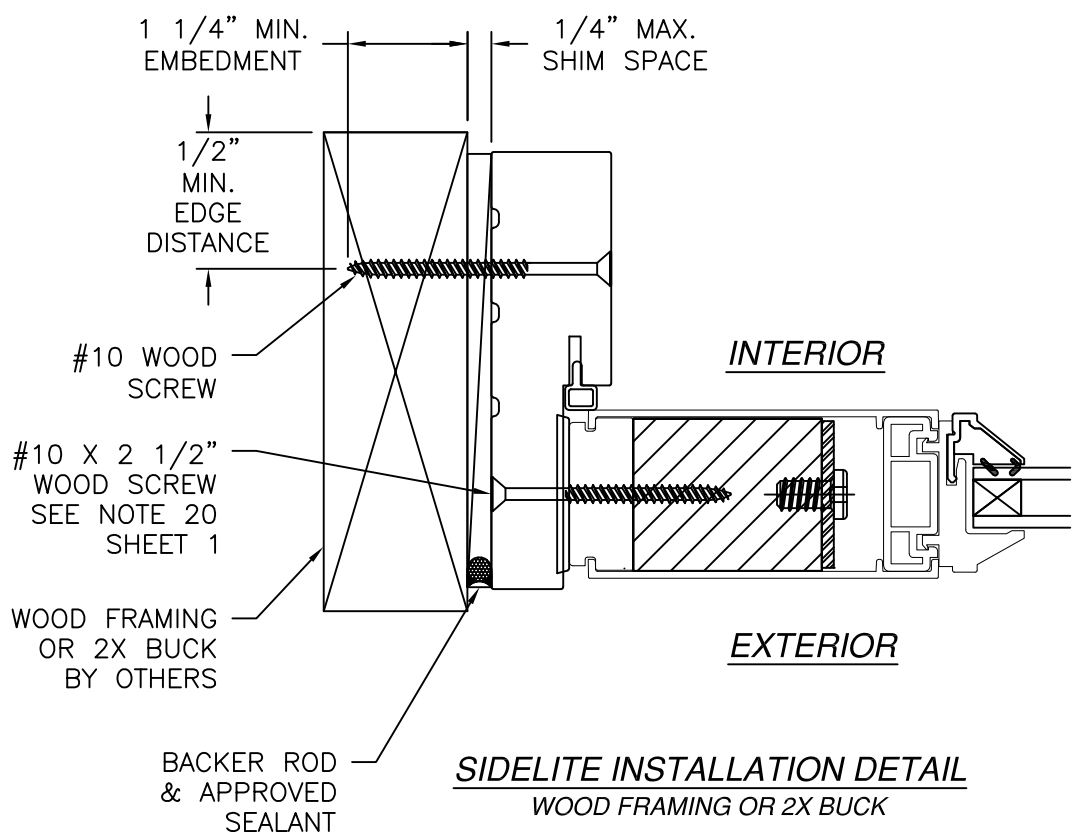
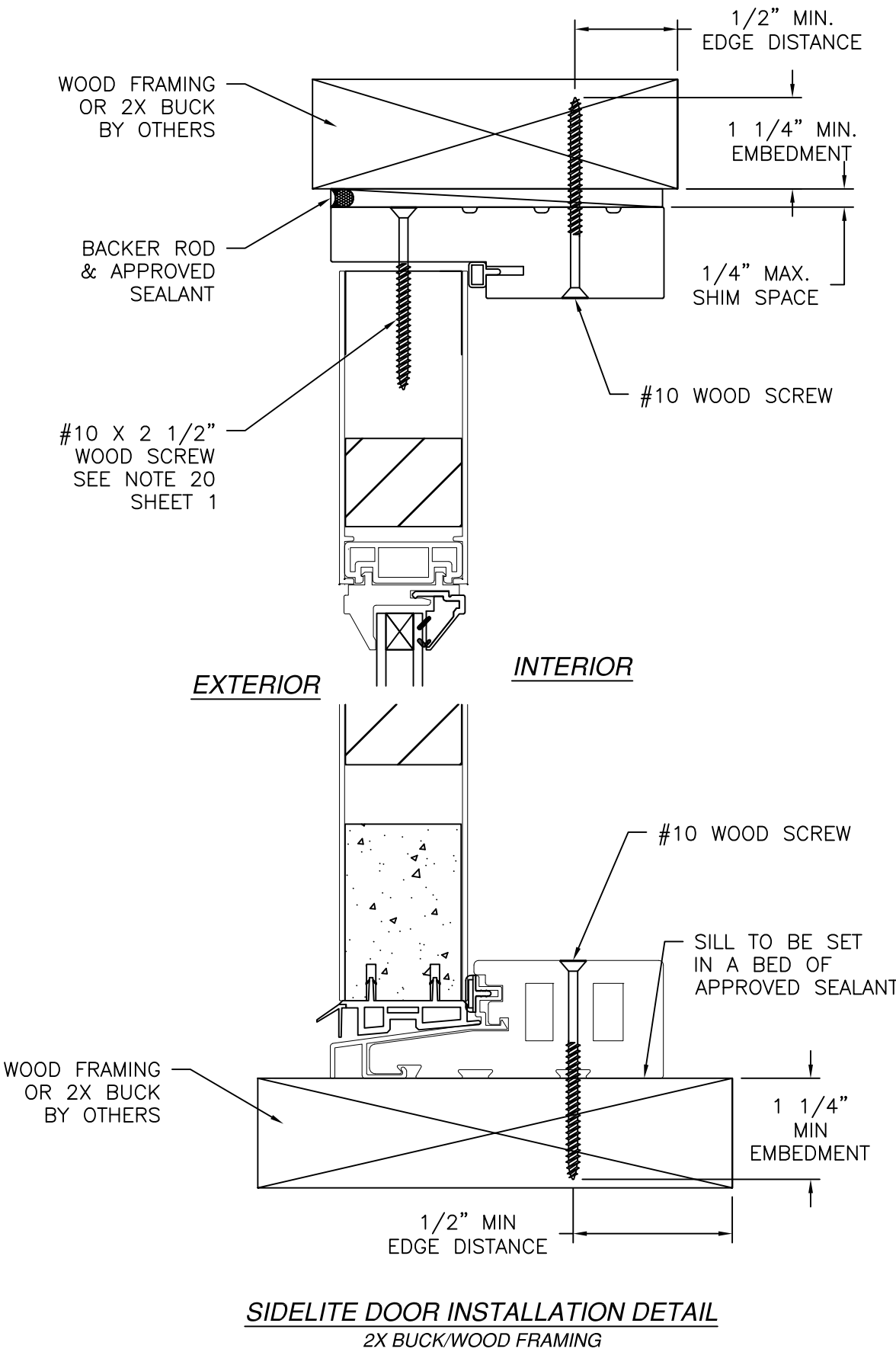
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8989 NORTH LOOP EAST
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SERIES SLPS OUT-SWING GLAZED FIBERGLASS
SIDE-HINGED PATIO DOOR 8'0 NON-IMPACT
SIDELITE INSTALLATION DETAILS

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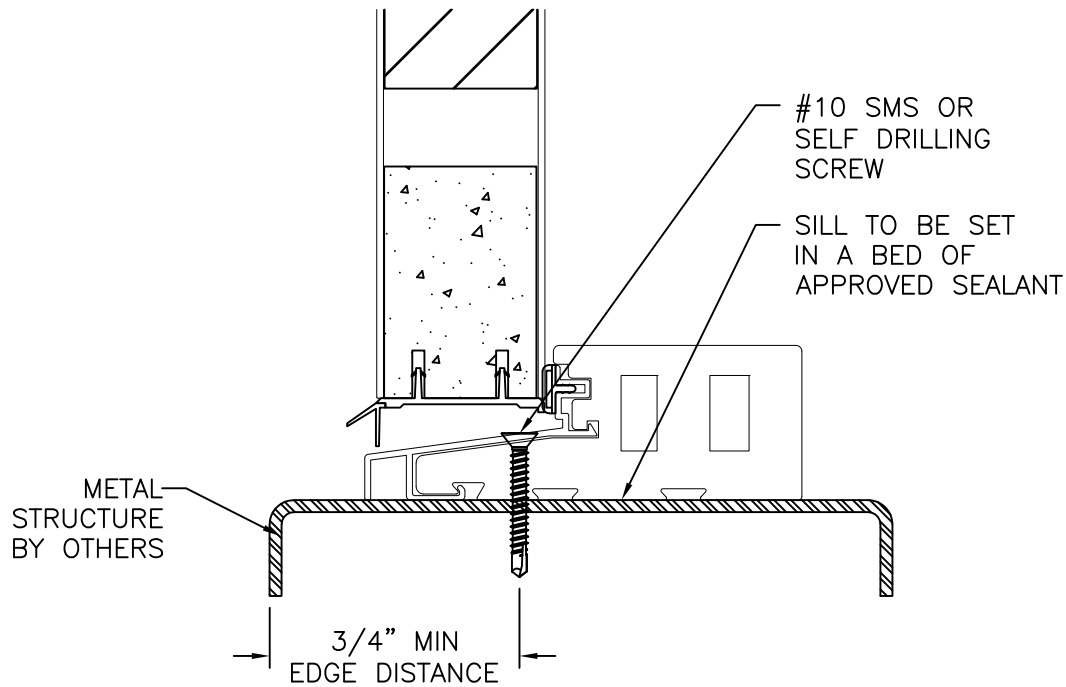
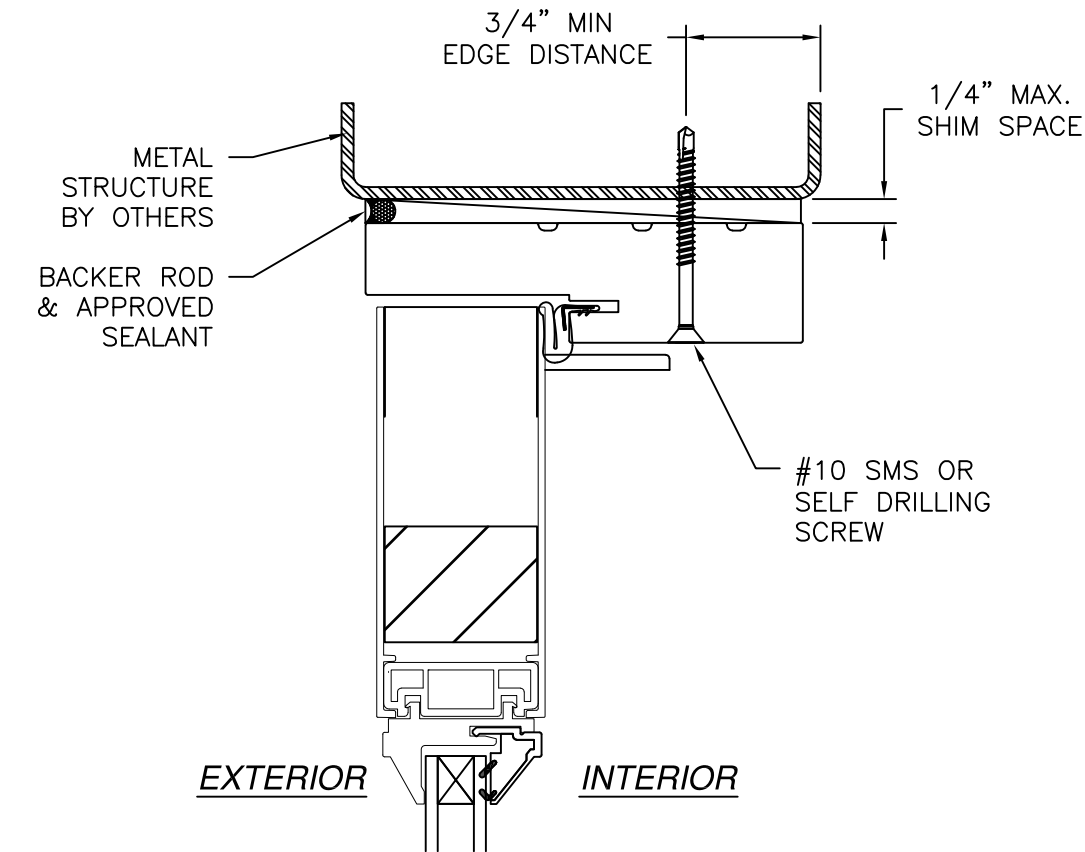
FLORIDA

PROFESSIONAL ENGINEER

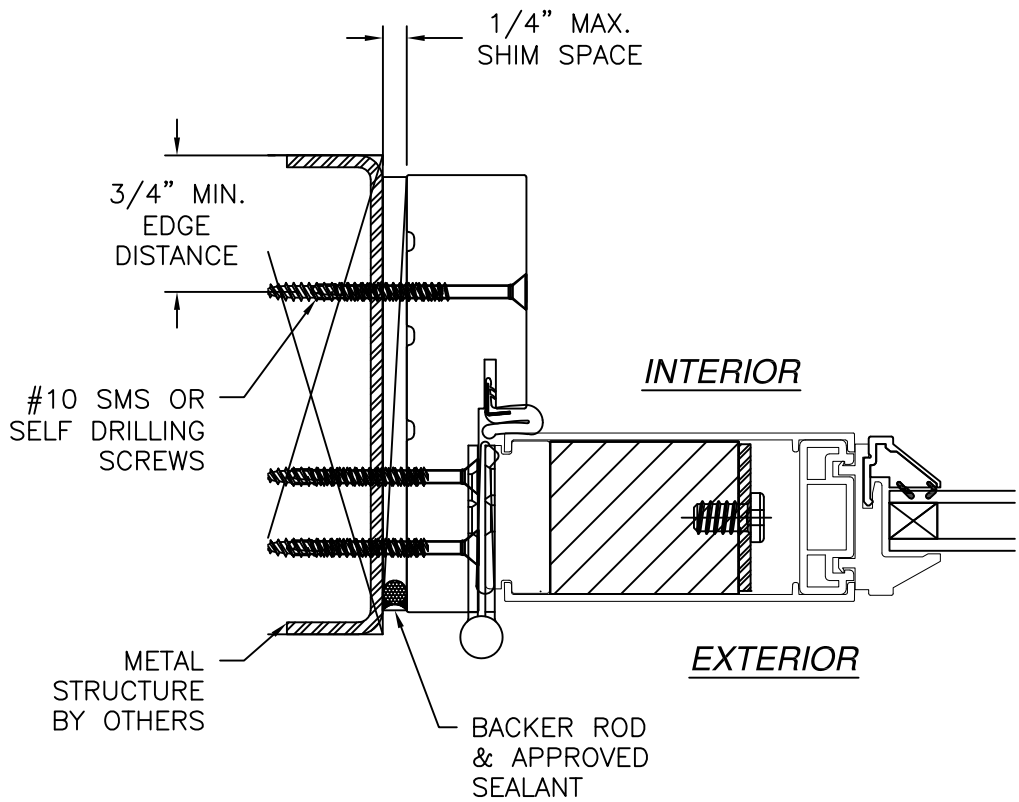
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DOOR INSTALLATION DETAIL
METAL STRUCTURE

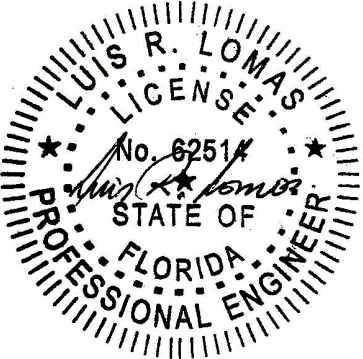


DOOR INSTALLATION DETAIL
METAL STRUCTURE

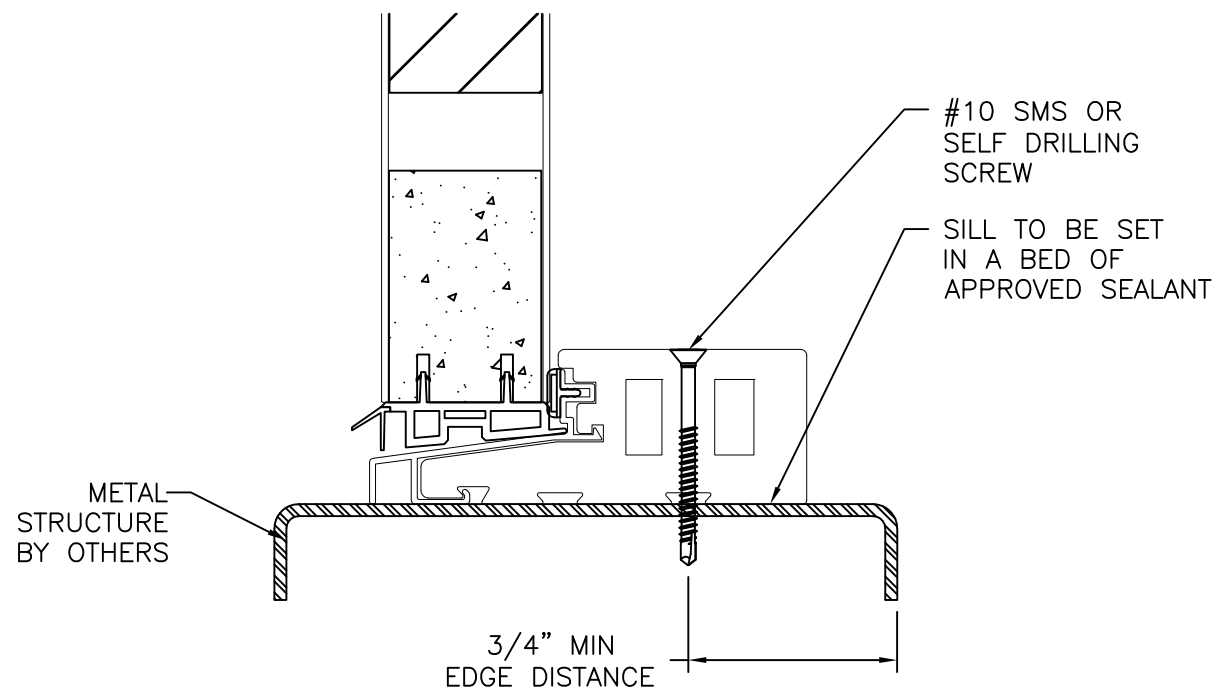
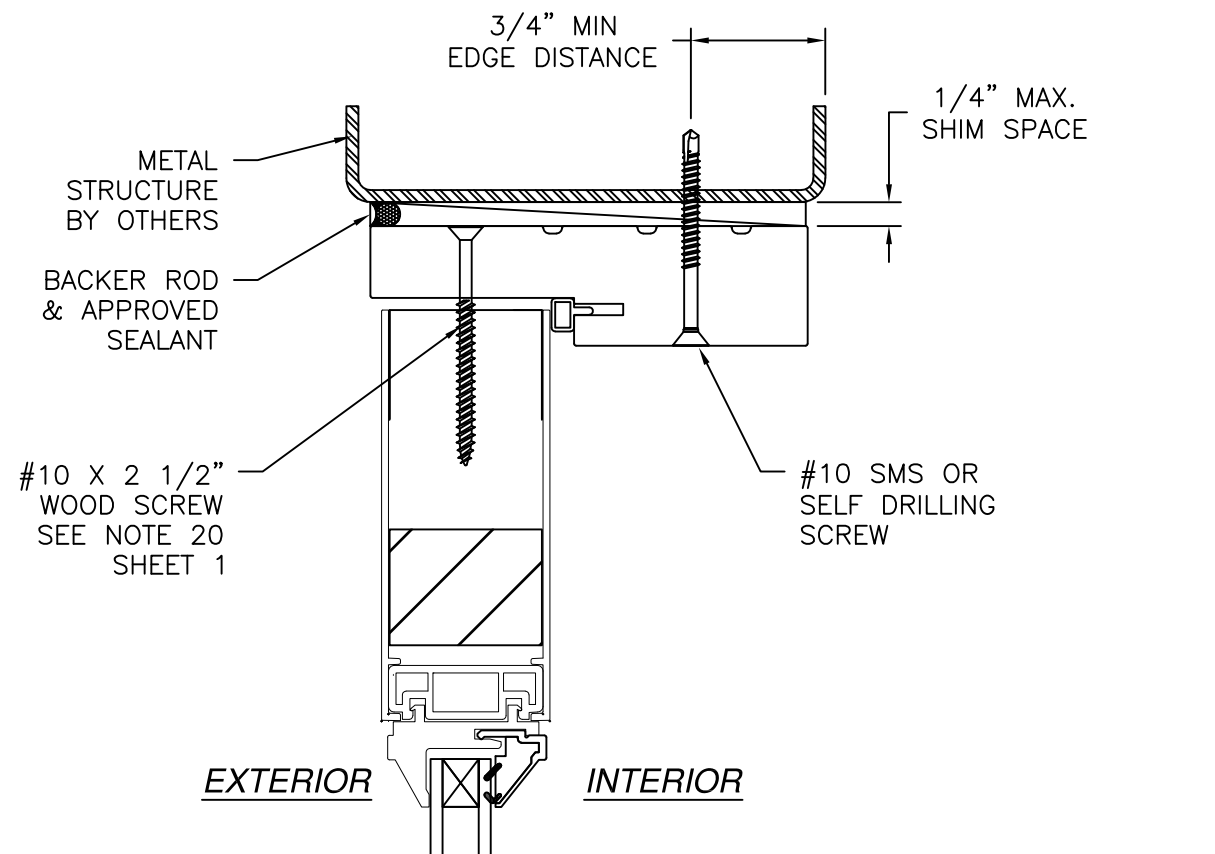
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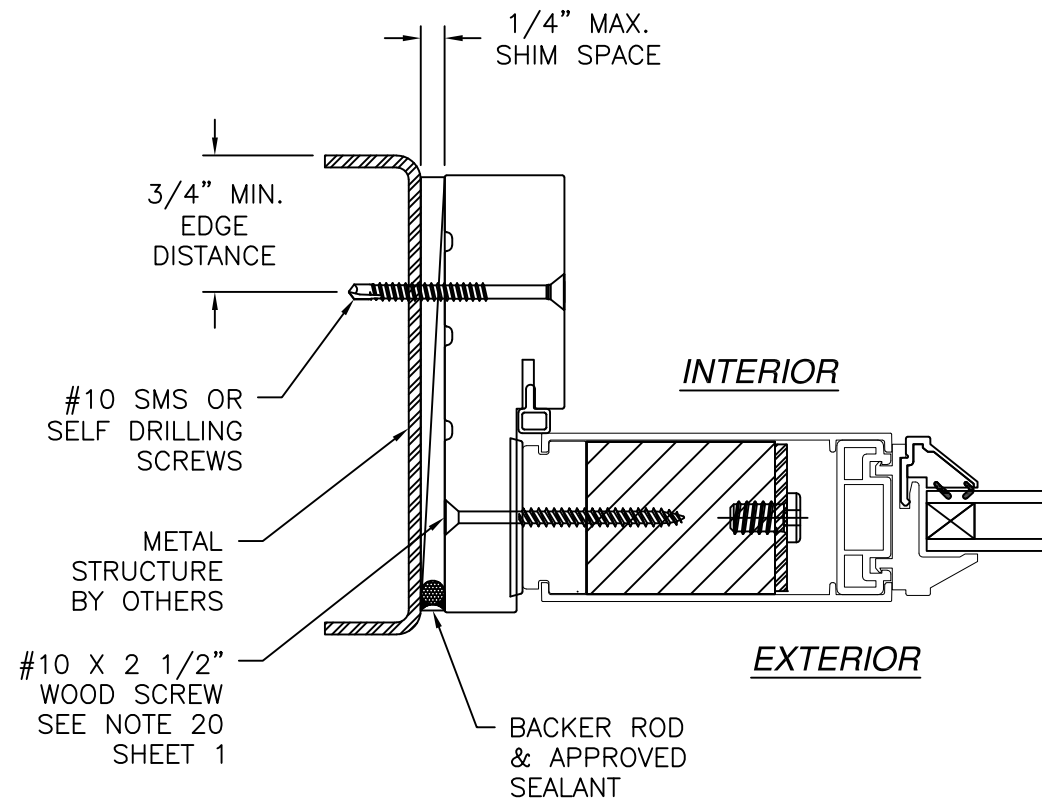
NAN YA PLASTICS CORP. USA 8989 NORTH LOOP EAST HOUSTON, TX 77029		
SERIES SLPS OUT-SWING GLAZED FIBERGLASS SIDE-HINGED PATIO DOOR 8'0 NON-IMPACT DOOR INSTALLATION DETAILS		
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SIDELITE INSTALLATION DETAIL
METAL STRUCTURE



SIDELITE INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION

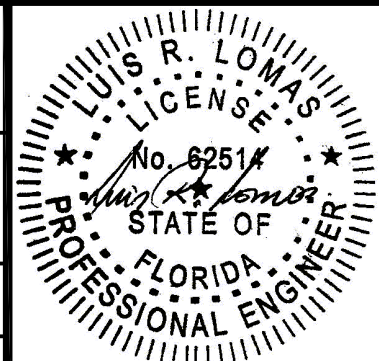
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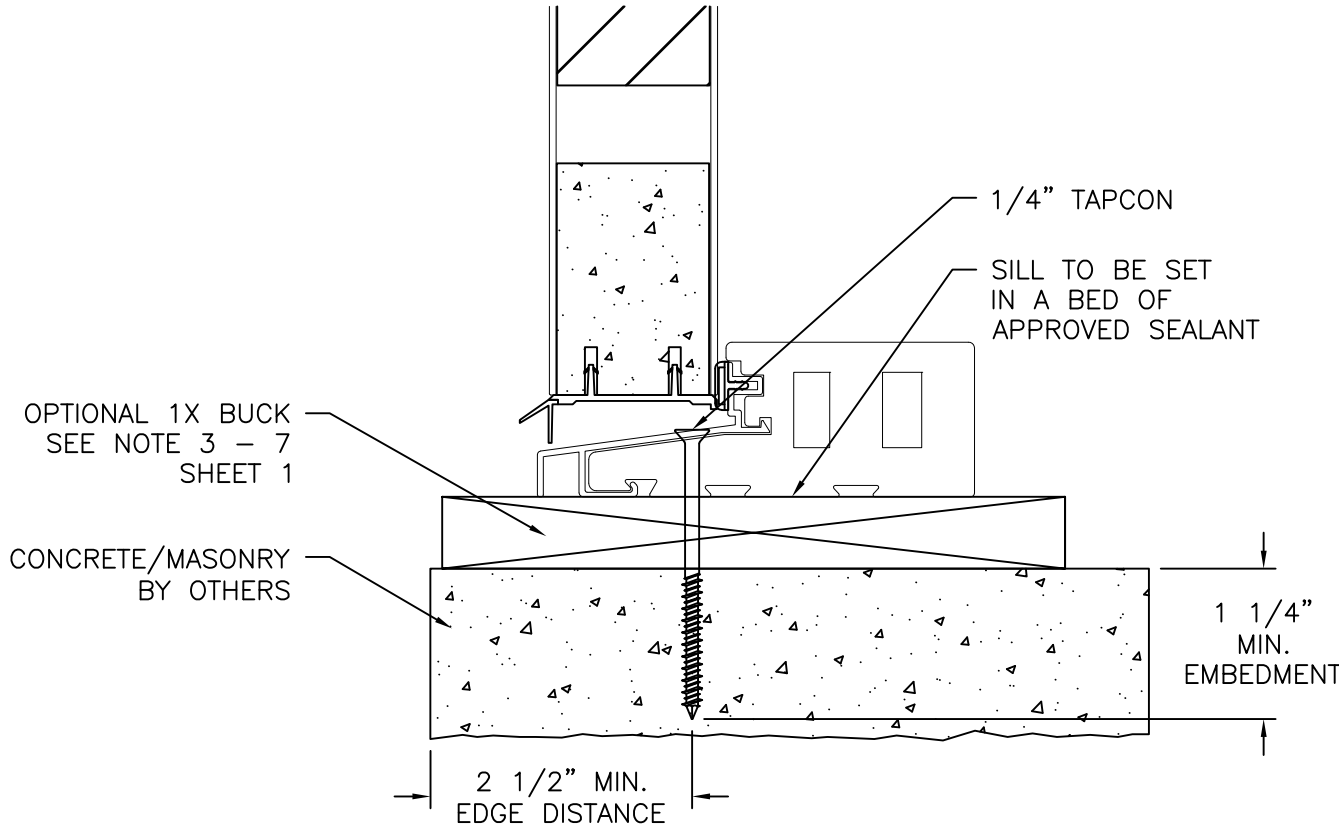
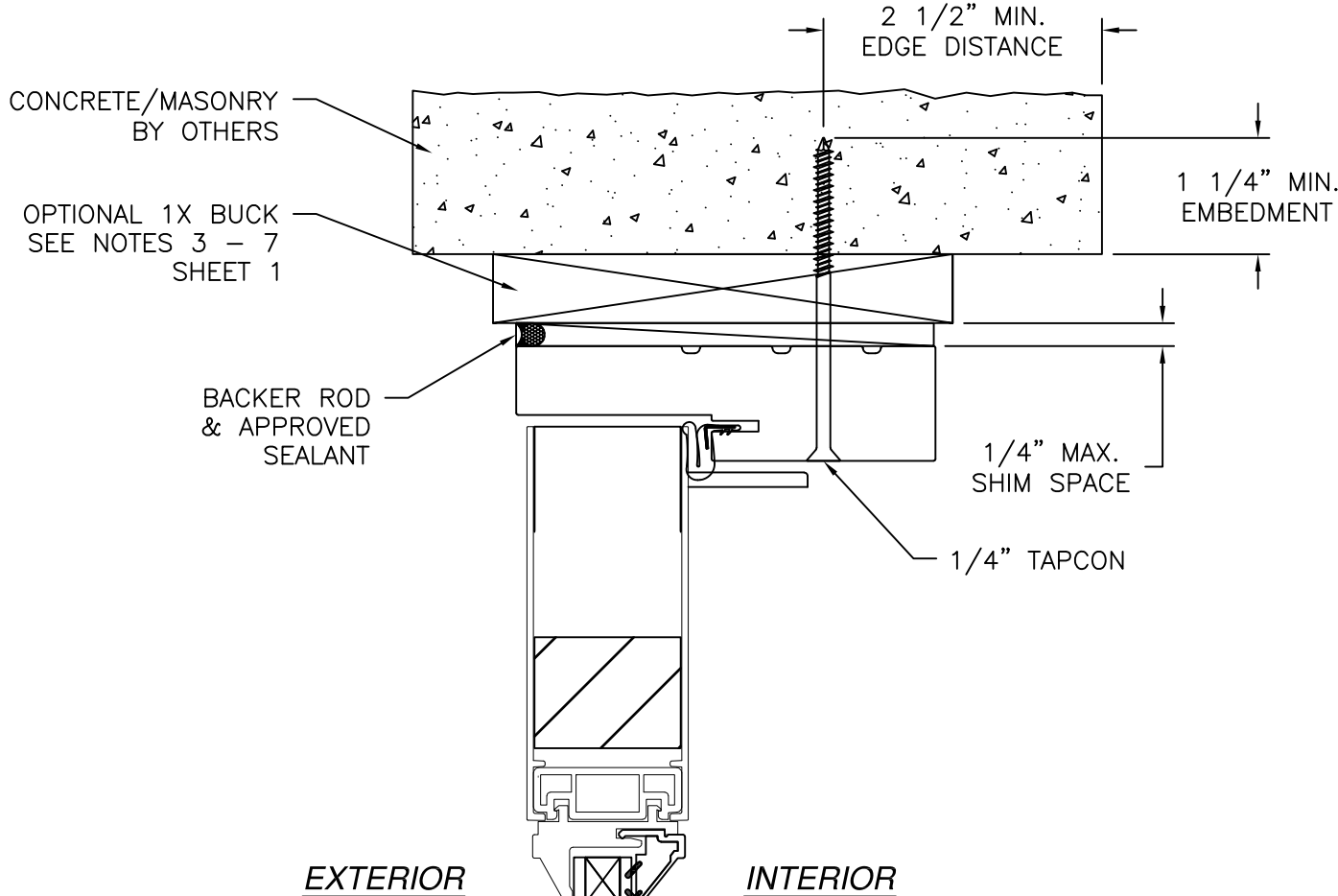
SIGNED: 05/29/2025

NAN YA PLASTICS CORP. USA 8989 NORTH LOOP EAST HOUSTON, TX 77029		
SERIES SLPS OUT-SWING GLAZED FIBERGLASS SIDE-HINGED PATIO DOOR 8'0 NON-IMPACT SIDELITE INSTALLATION DETAILS		
DRAWN: N.G.	DWG NO. 08-02813A	REV A
SCALE NTS	DATE 09/08/15	SHEET 11 OF 13
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

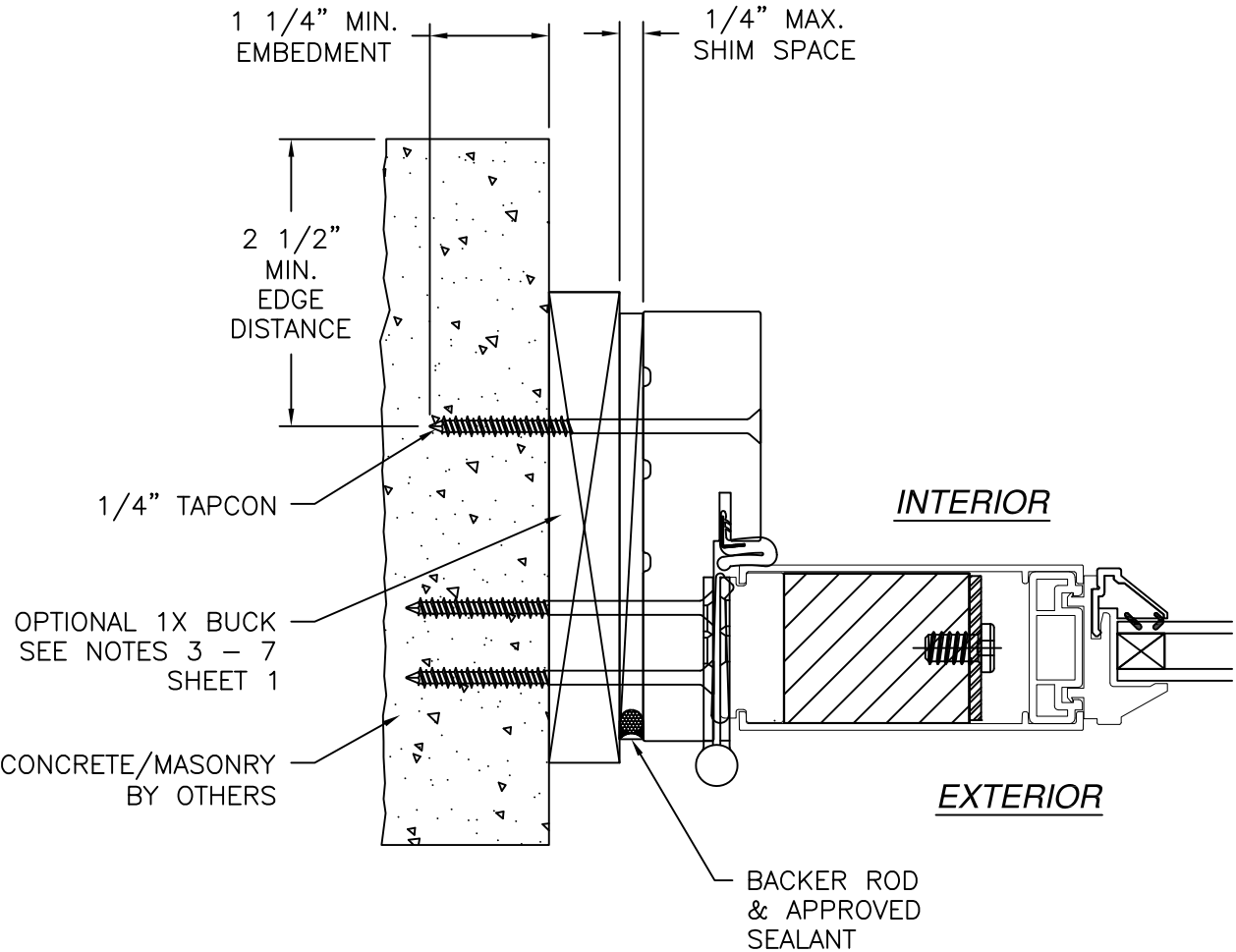


Luis R. Lomas P.E.
FL No.: 62514

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



DOOR INSTALLATION DETAIL
MASONRY/CONCRETE



DOOR INSTALLATION DETAIL
CONCRETE/MASONRY

- 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

NAN YA PLASTICS CORP. USA

8989 NORTH LOOP EAST
HOUSTON, TX 77029

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

DRAWN:

N.G.

DWG NO.

08-02813A

REV

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SCALE

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DATE

09/08/15

SHEET

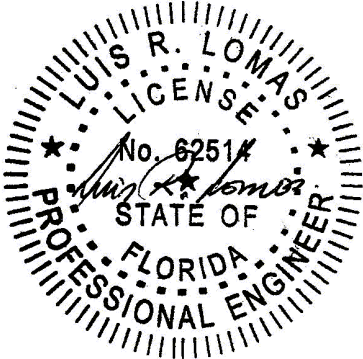
12 OF 13

L. ROBERTO LOMAS P.E.

208 7th Ave, INDIALANTIC, FL 32903

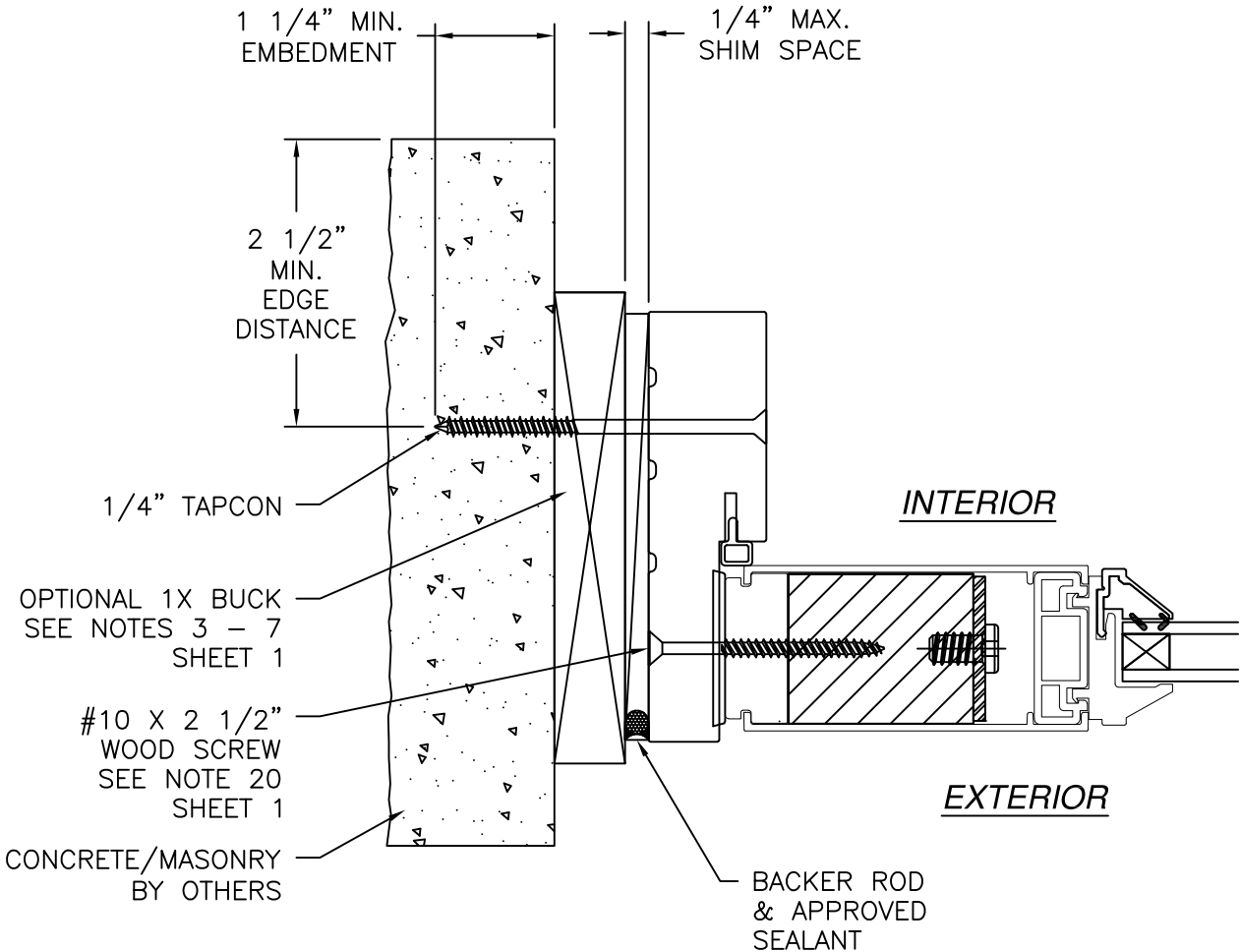
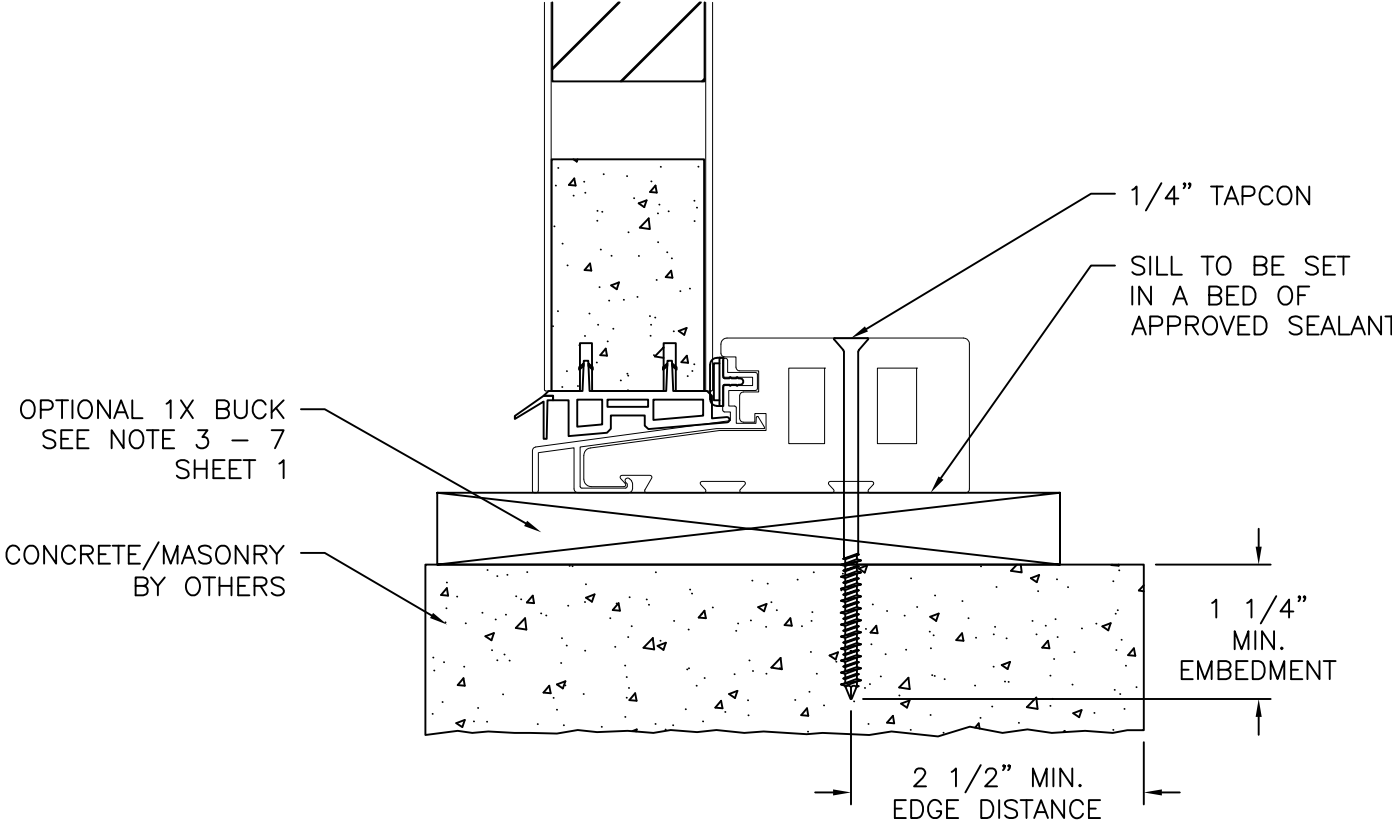
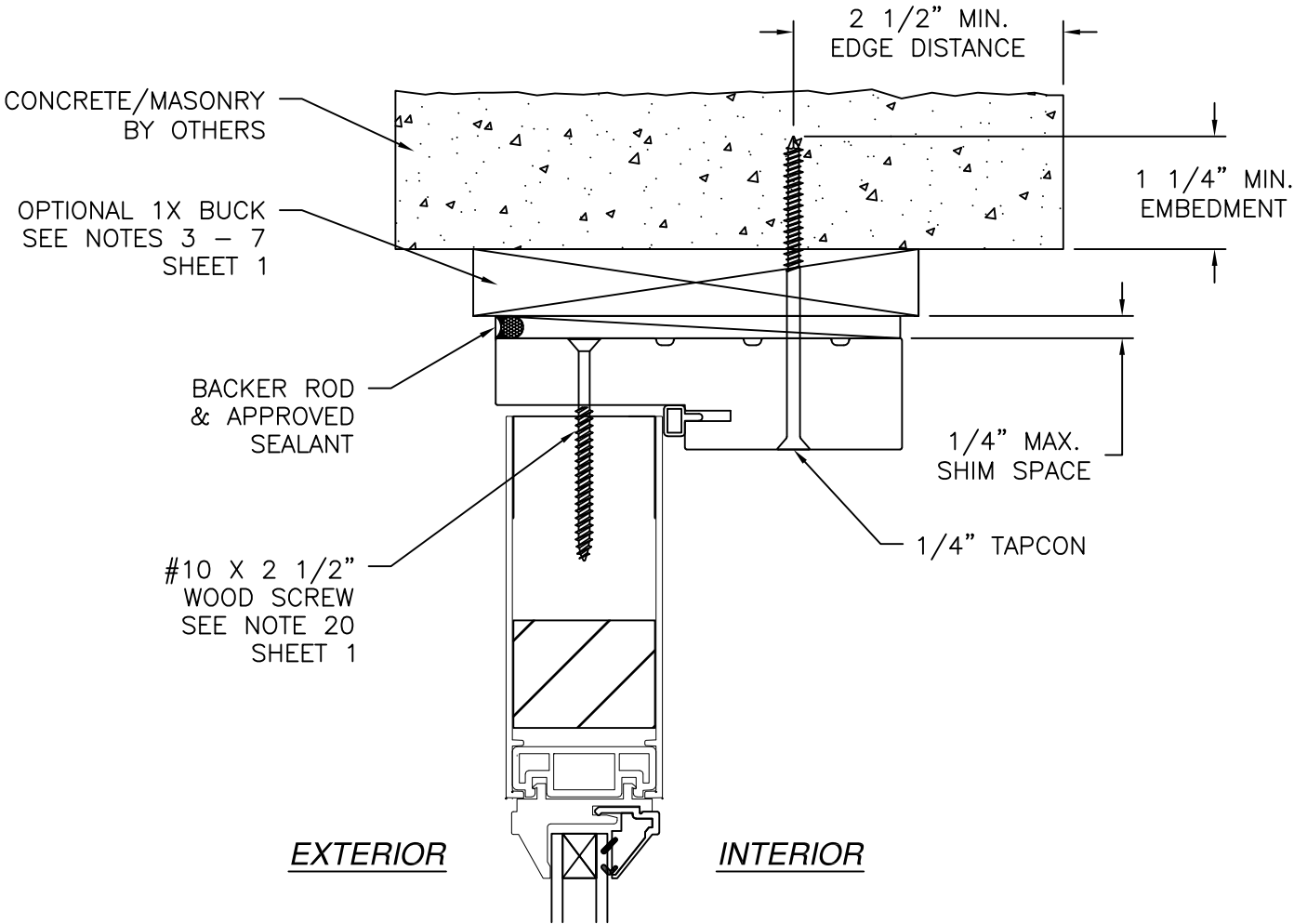
434-688-0609 rllomas@rlomaspe.com

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REVISIONS			
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SIDELITE INSTALLATION DETAIL
CONCRETE/MASONRY

SIDELITE INSTALLATION DETAIL
MASONRY/CONCRETE

NAN YA PLASTICS CORP. USA

8989 NORTH LOOP EAST
HOUSTON, TX 77029

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

DRAWN: N.G.

DATE 09/08/15

DWG NO. 08-02813A

SHEET 13 OF 13

L. ROBERTO LOMAS P.E.

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LUIS R. LOMAS

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STATE OF

FLORIDA

PROFESSIONAL ENGINEER

Luis R. Lomas P.E.

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