

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 GLAZING.
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 3/8" 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: O/OX, O/XO, OX, XO.

TABLE OF CONTENTS	
SHEET NO.	DESCRIPTION
1	NOTES
2	ELEVATIONS
3	ANCHORING LAYOUTS
4	GLAZING DETAILS
5 - 7	INSTALLATION DETAILS

NAN YA PLASTICS CORP. USA

8989 NORTH LOOP EAST
HOUSTON, TX 77029

SERIES O/XO GLIDING PATIO DOOR
SLIDING DOOR W/FIELD MULLION NON-IMPACT
NOTES

DRAWN:
K.S.

DWG NO.
08-02790A

REV
A

SCALE NTS

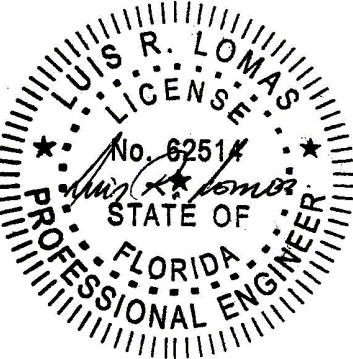
DATE 07/24/15

SHEET 1 OF 7

L. ROBERTO LOMAS P.E.

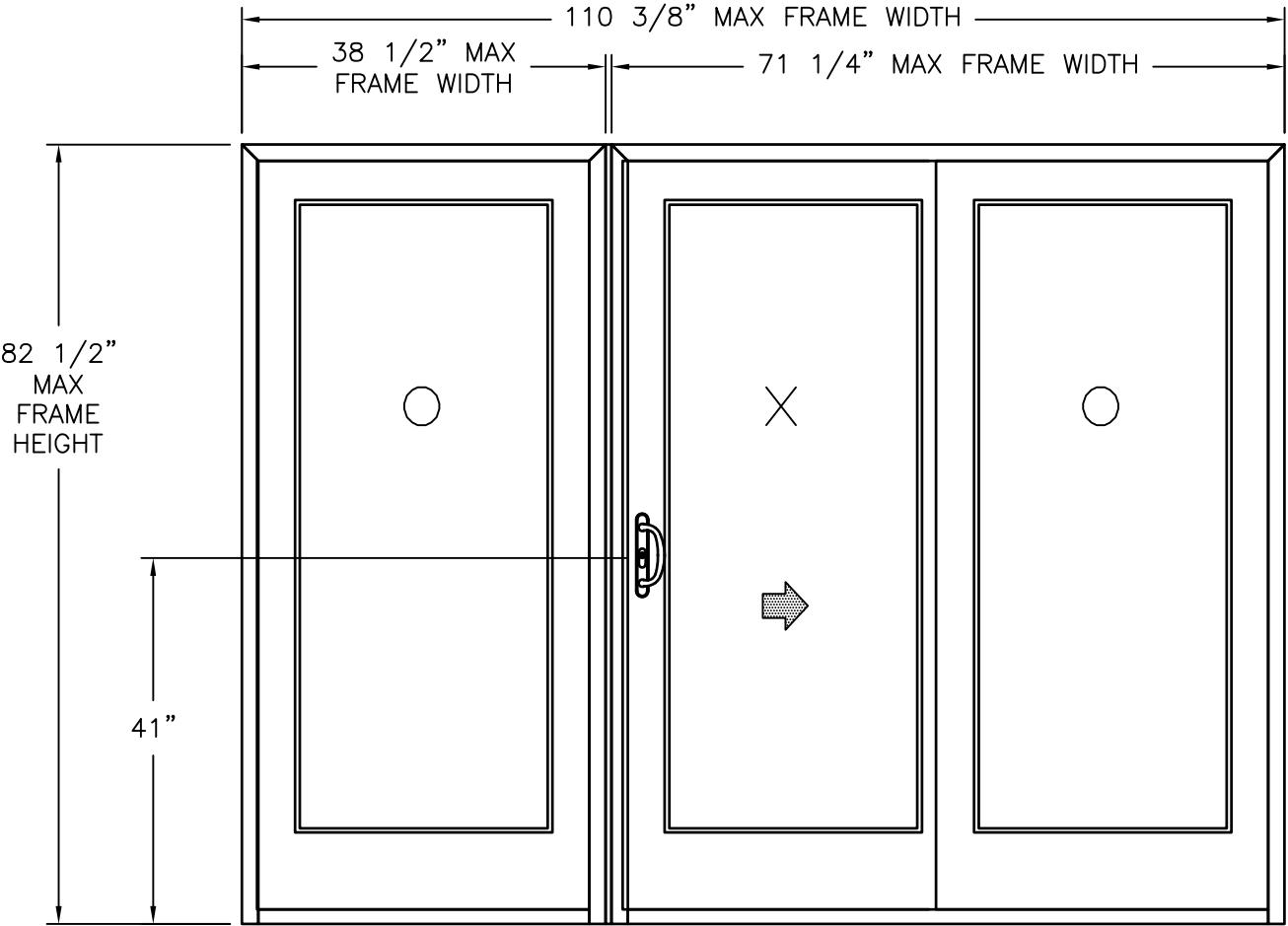
208 7th Ave, INDIALANTIC, FL 32903
434-688-0609 rllomas@rlomaspe.com

SIGNED: 05/29/2025



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

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



SERIES O/XO GLIDING PATIO DOOR
EXTERIOR VIEW

DESIGN PRESSURE RATING	IMPACT RATING
±50.0PSF	NONE

- NOTES:
- 1. MAXIMUM PANEL SIZE: 35 3/4" X 79 19/32"
 - 2. MAXIMUM D.L.O.: 26 1/4" X 66"

HARDWARE SCHEDULE	
A.	DIE-CAST LOCK KEEPER AT LOCKING POINT
B.	STAINLESS STEEL SINGLE LOCK SYSTEM AT ACTIVE PANEL
C.	STEEL, DIE-CAST HANDLE SETS AT ACTIVE PANEL

NAN YA PLASTICS CORP. USA

8989 NORTH LOOP EAST
HOUSTON, TX 77029

SERIES O/XO GLIDING PATIO DOOR

SLIDING DOOR W/FIELD MULLION NON-IMPACT
ELEVATION

DRAWN:
K.S.

DWG NO.
08-02790A

REV
A

SCALE NTS

DATE 07/24/15

SHEET 2 OF 7

L. ROBERTO LOMAS P.E.

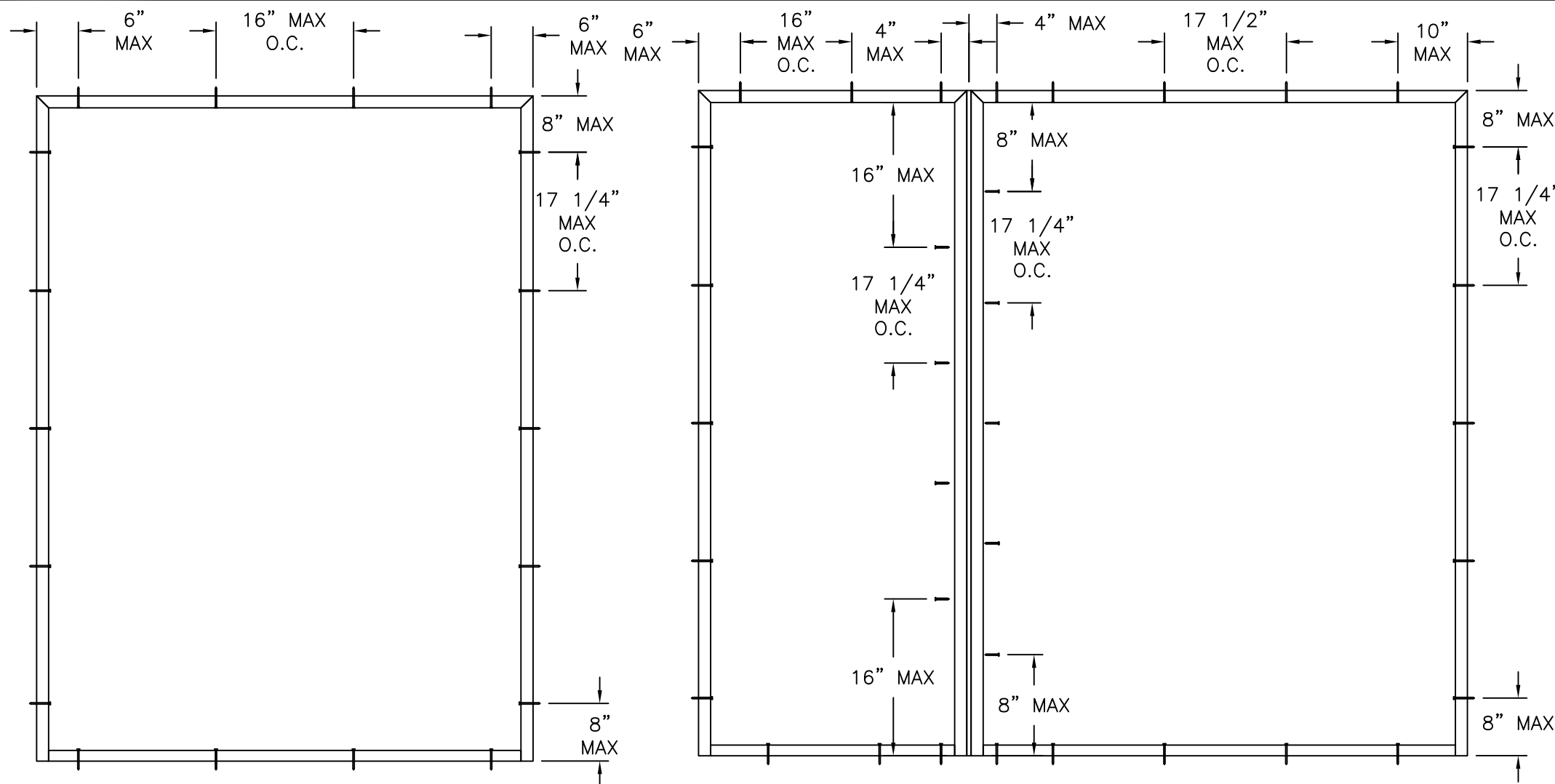
208 7th Ave, INDIALANTIC, FL 32903

434-688-0609 rllomas@lrlomaspe.com

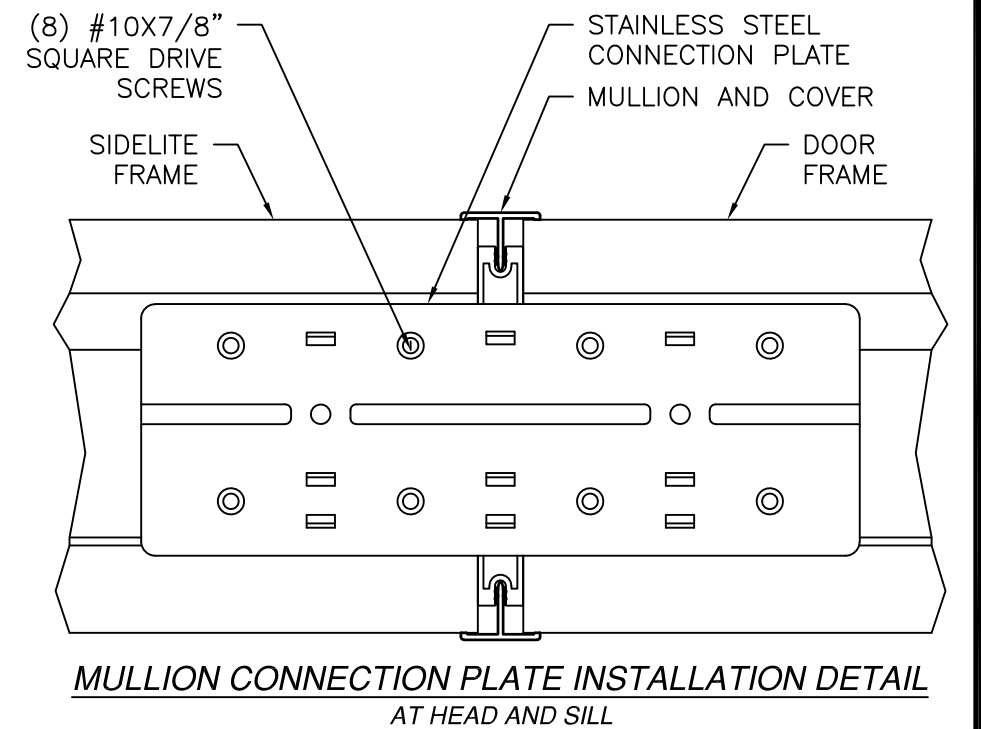
SIGNED: 05/29/2025

Luis R. Lomas P.E.

FL No.: 62514

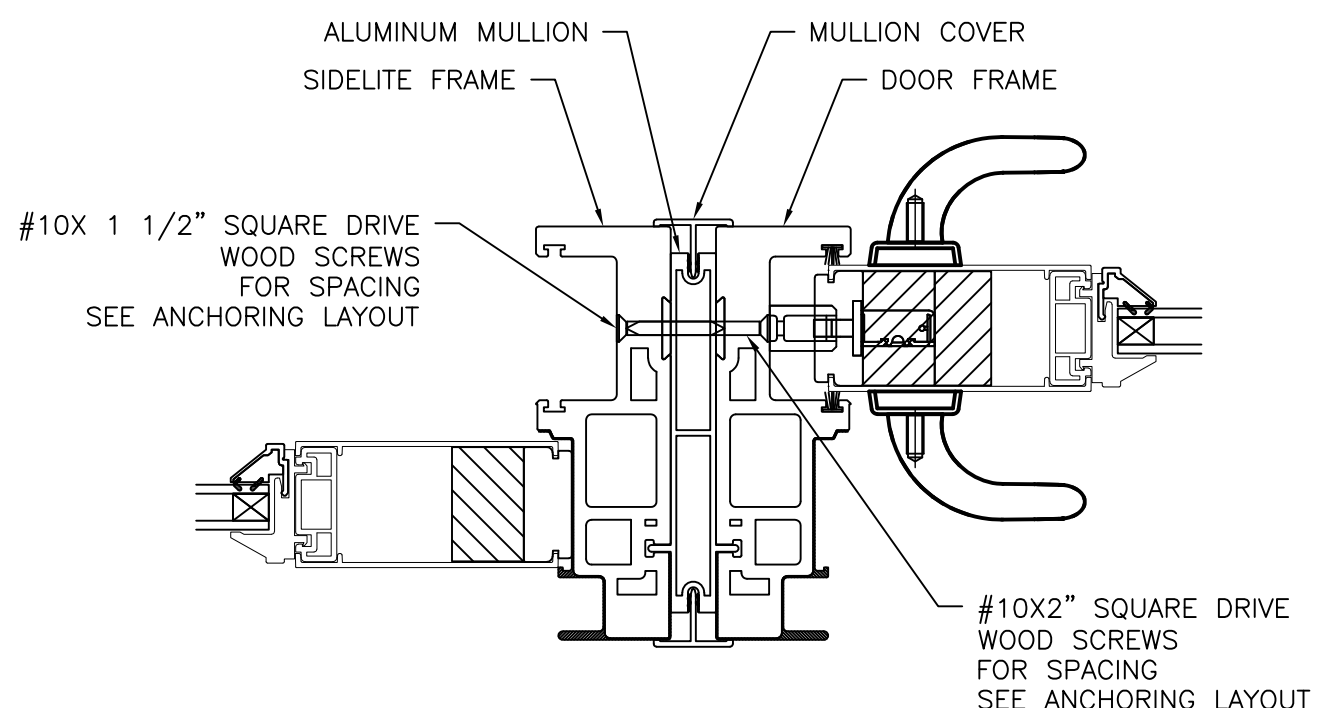


REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISE TO ADD GLAZING DETAILS	05/29/2025	R.L.



OX AND XO ANCHORING LAYOUT

O/XO ANCHORING LAYOUT
OX/O SIMILAR



MULLION CONNECTION DETAIL

NAN YA PLASTICS CORP. USA
8989 NORTH LOOP EAST
HOUSTON, TX 77029

SERIES O/XO GLIDING PATIO DOOR
SLIDING DOOR W/FIELD MULLION NON-IMPACT
ANCHORING LAYOUTS

DRAWN: K.S.	DWG NO. 08-02790A	REV A
SCALE NTS	DATE 07/24/15	SHEET 3 OF 7

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

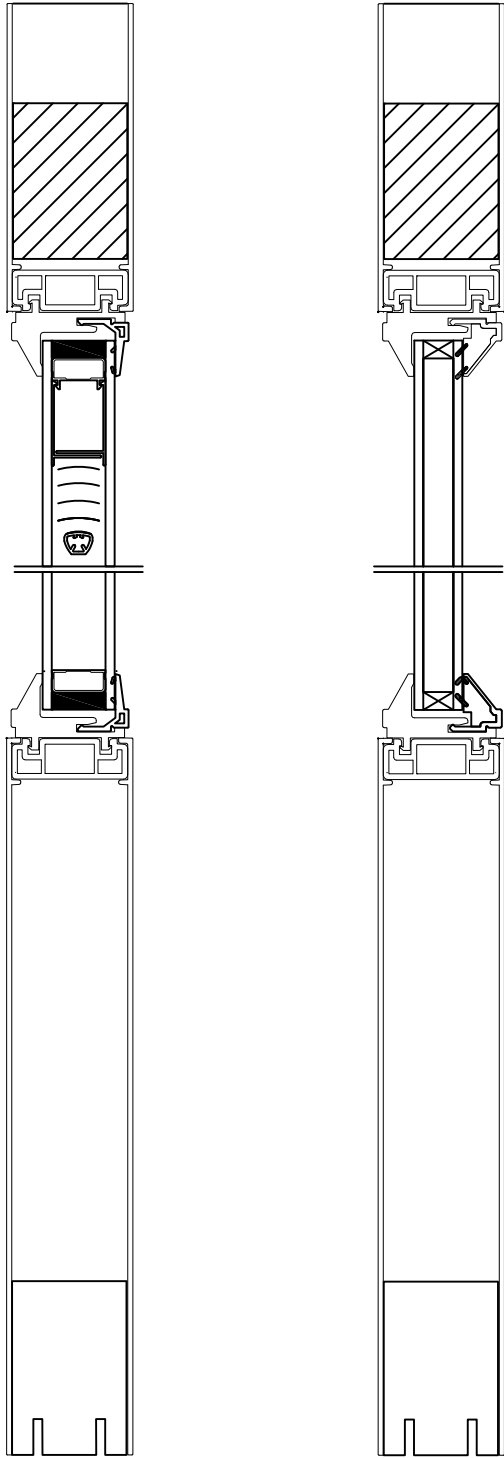
SIGNED: 05/29/2025

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

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

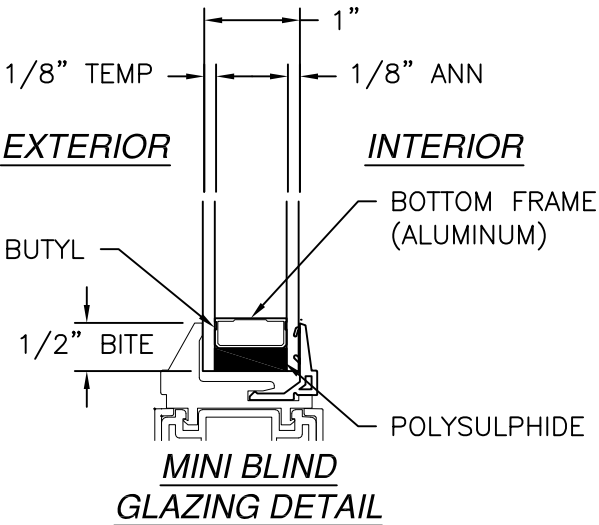
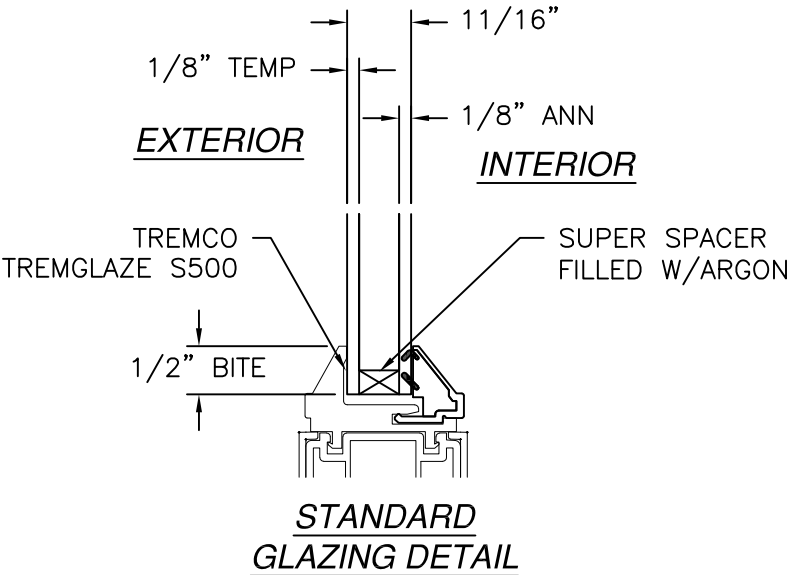
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISE TO ADD GLAZING DETAILS	05/29/2025	R.L.

APPROVED PANEL CONFIGURATIONS



W/MINI-BLIND

STANDARD



SIGNED: 05/29/2025

NAN YA PLASTICS CORP. USA

8989 NORTH LOOP EAST

HOUSTON, TX 77029

SERIES O/XO GLIDING PATIO DOOR

SLIDING DOOR W/FIELD MULLION NON-IMPACT

GLAZING DETAILS

DRAWN:

K.S.

DWG NO.

08-02790A

REV

A

SCALE

NTS

DATE

07/24/15

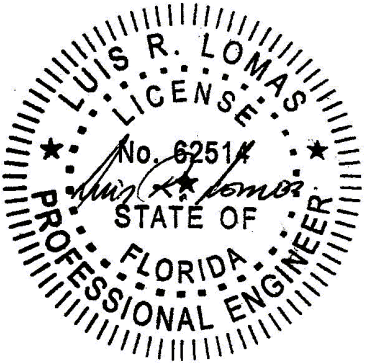
SHEET

4 OF 7

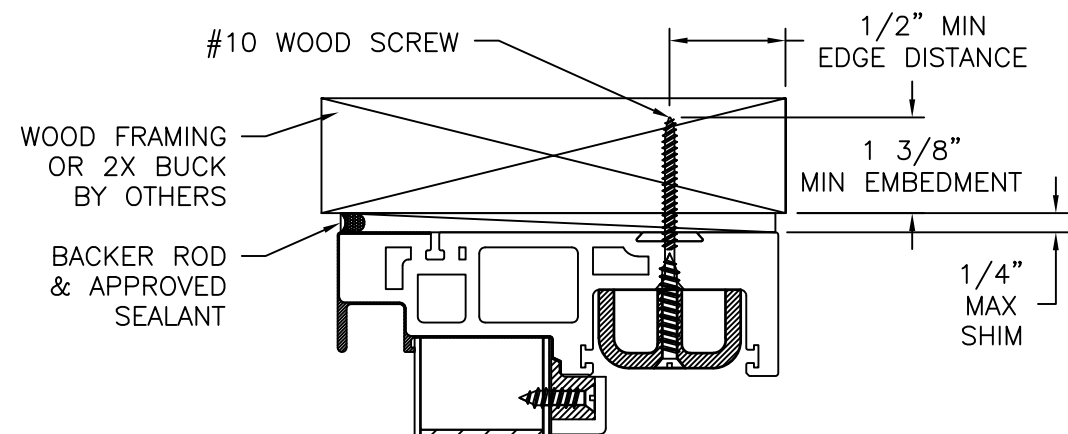
L. ROBERTO LOMAS P.E.

208 7th Ave, INDIALANTIC, FL 32903

434-688-0609 rllomas@lrlomaspe.com

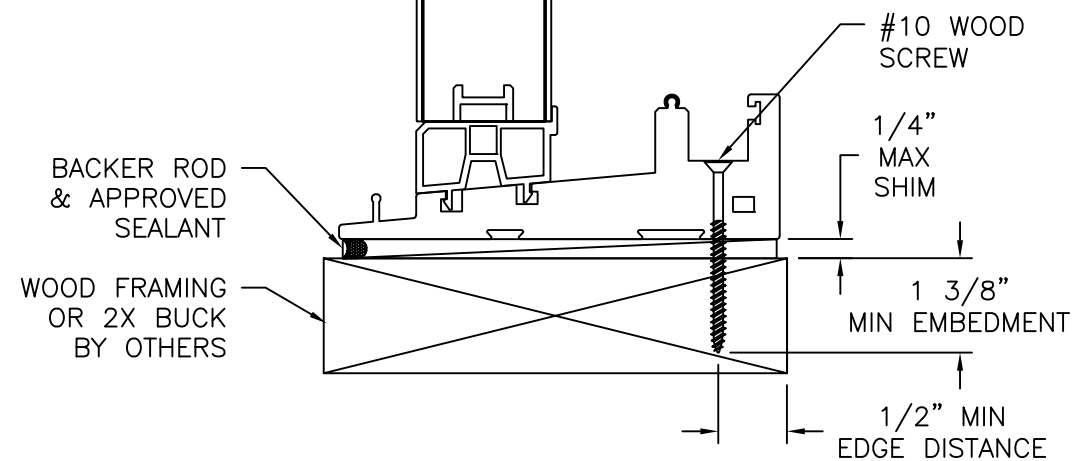


Luis R. Lomas P.E.
FL No.: 62514

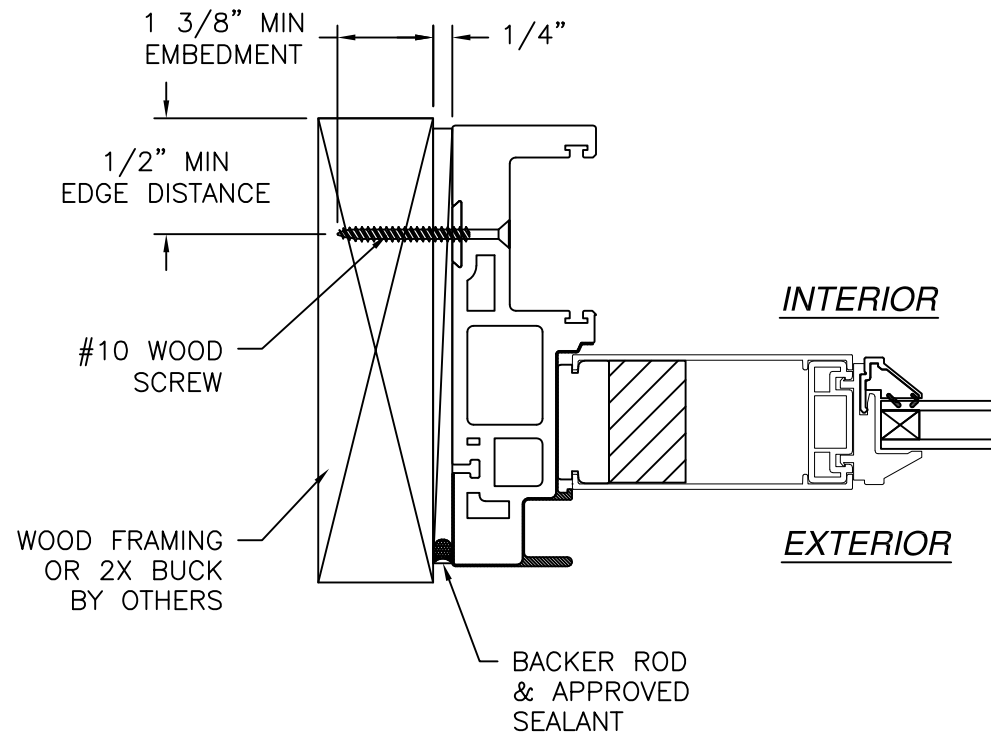


EXTERIOR

INTERIOR



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



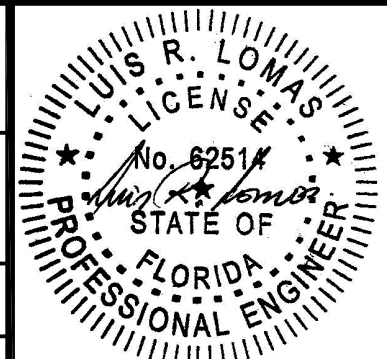
JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION
SIDELITE SHOWN, DOOR SIMILAR

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

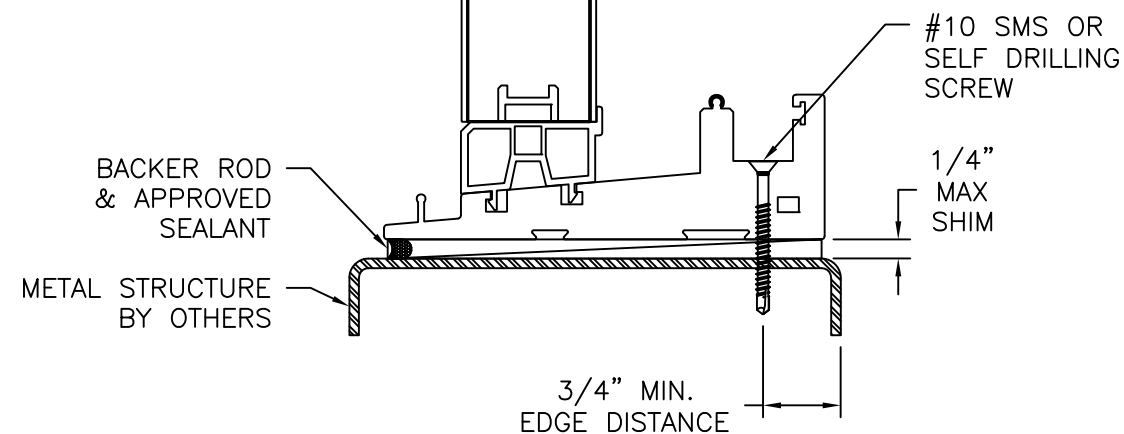
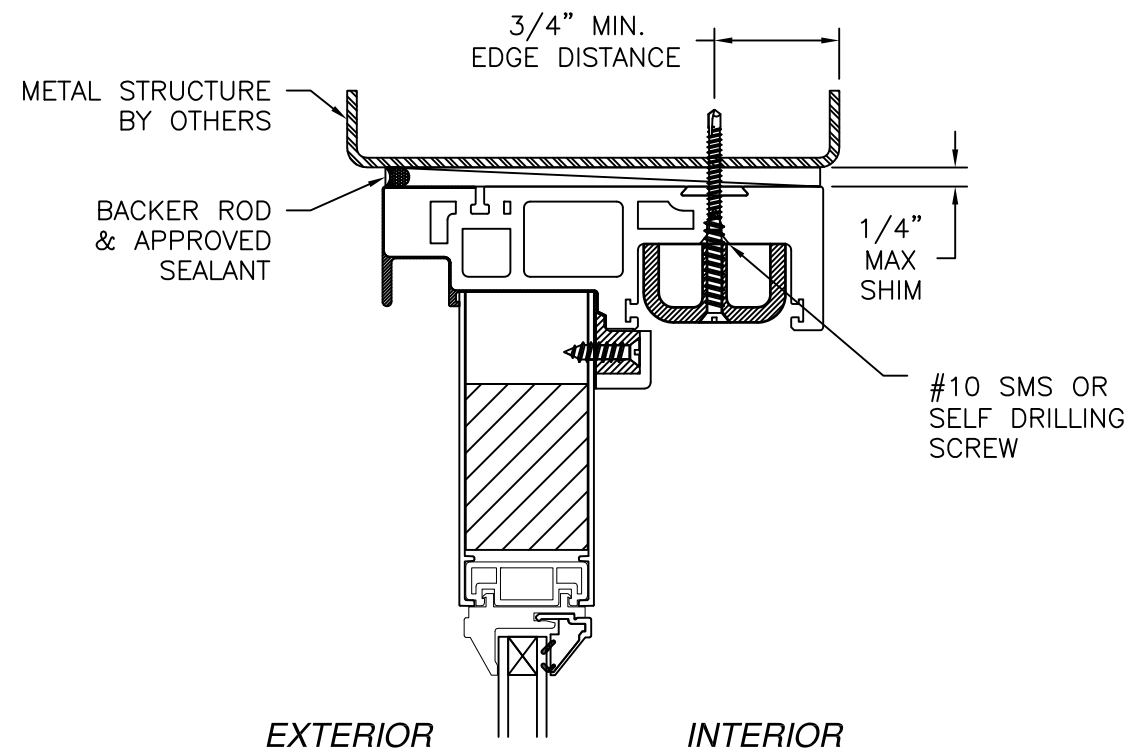
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISE TO ADD GLAZING DETAILS	05/29/2025	R.L.

SIGNED: 05/29/2025

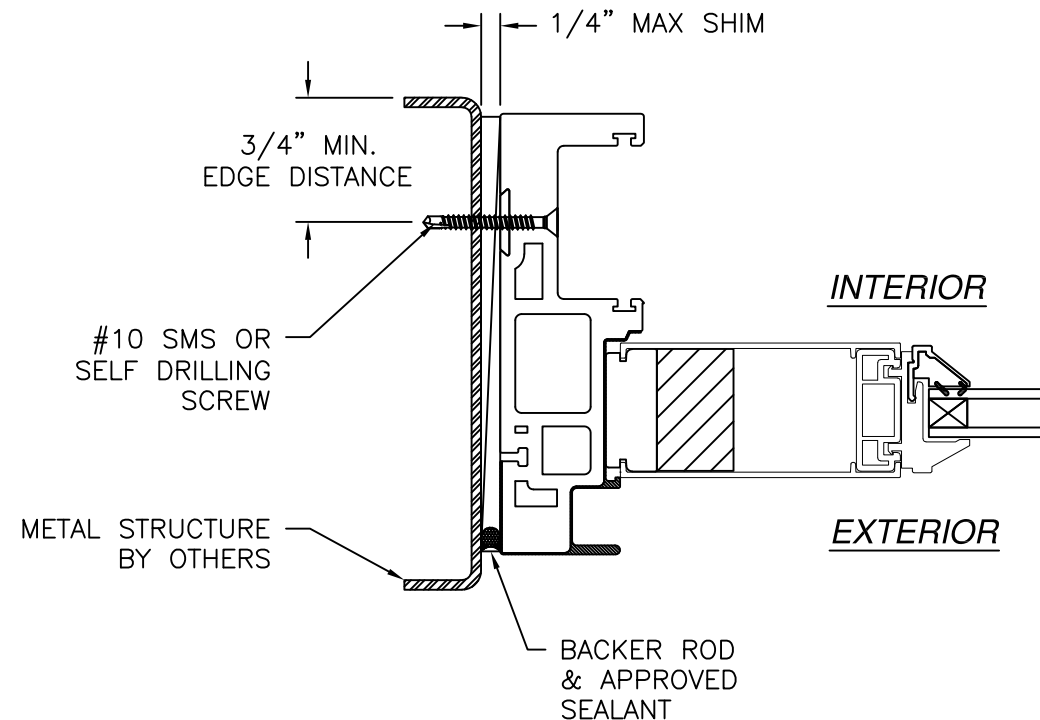
NAN YA PLASTICS CORP. USA 8989 NORTH LOOP EAST HOUSTON, TX 77029		
SERIES O/XO GLIDING PATIO DOOR SLIDING DOOR W/FIELD MULLION NON-IMPACT INSTALLATION DETAILS		
DRAWN: K.S.	DWG NO. 08-02790A	REV A
SCALE NTS	DATE 07/24/15	SHEET 5 OF 7
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		



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



VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION
SIDELITE SHOWN, DOOR SIMILAR



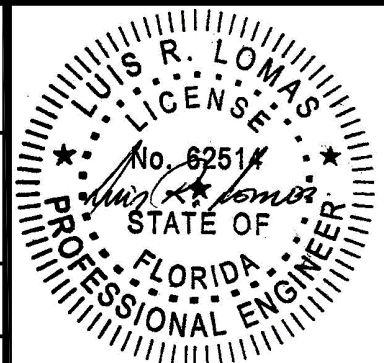
JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION
SIDELITE SHOWN, DOOR SIMILAR

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

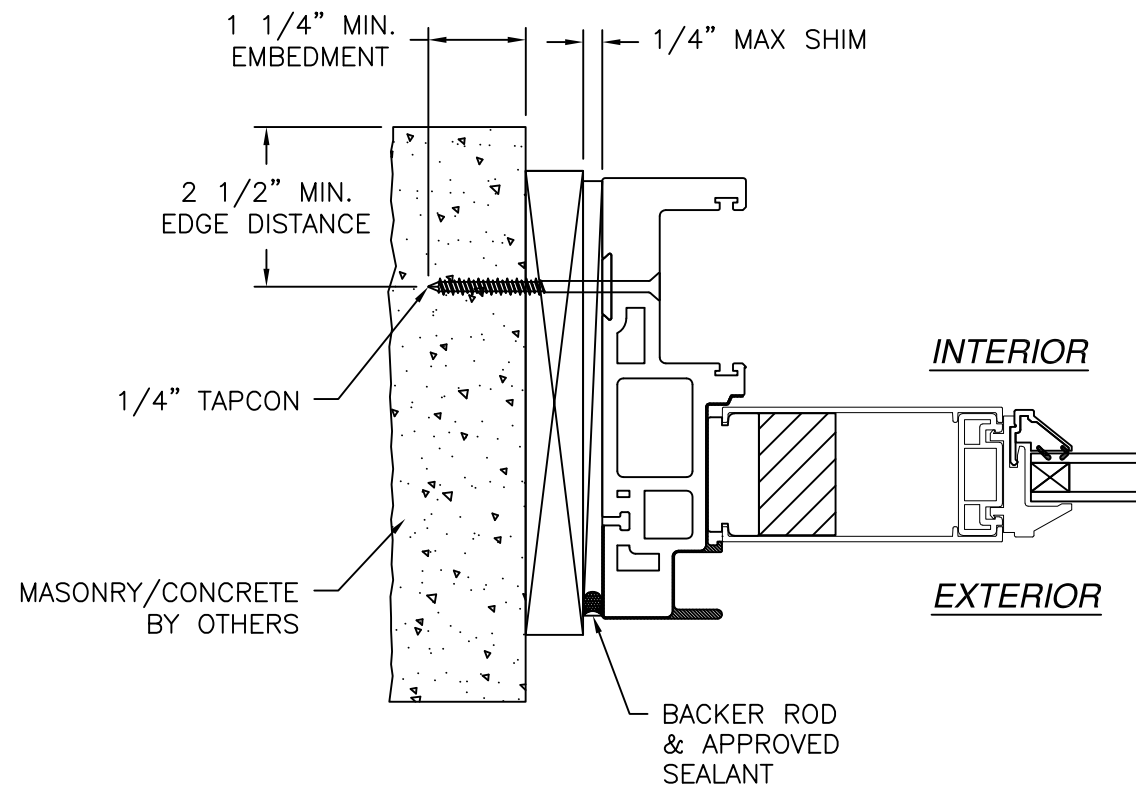
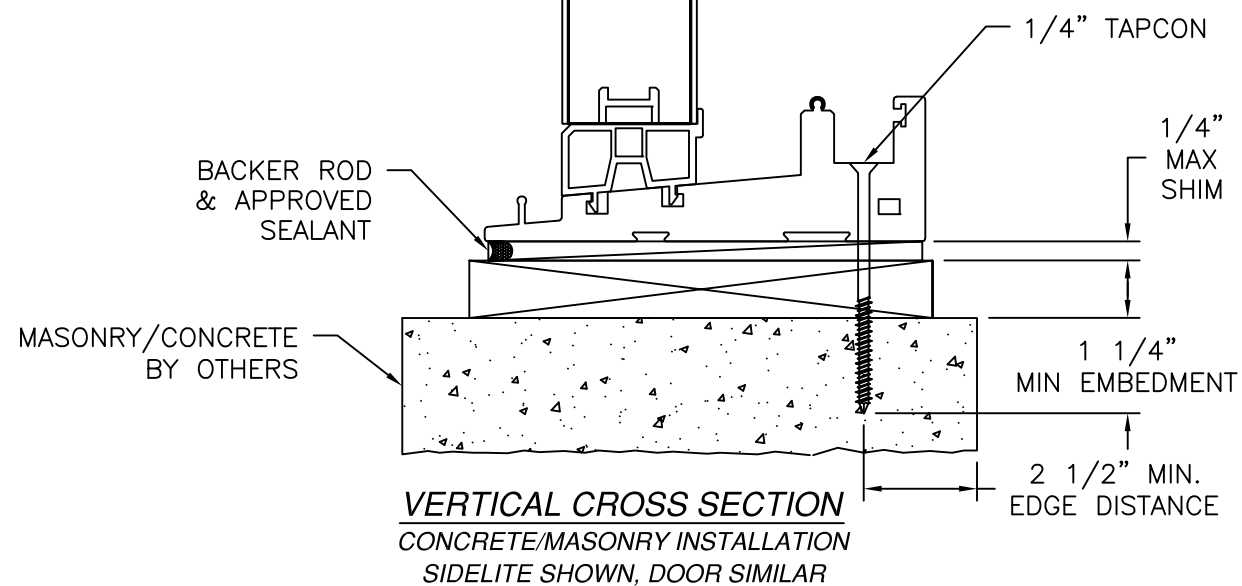
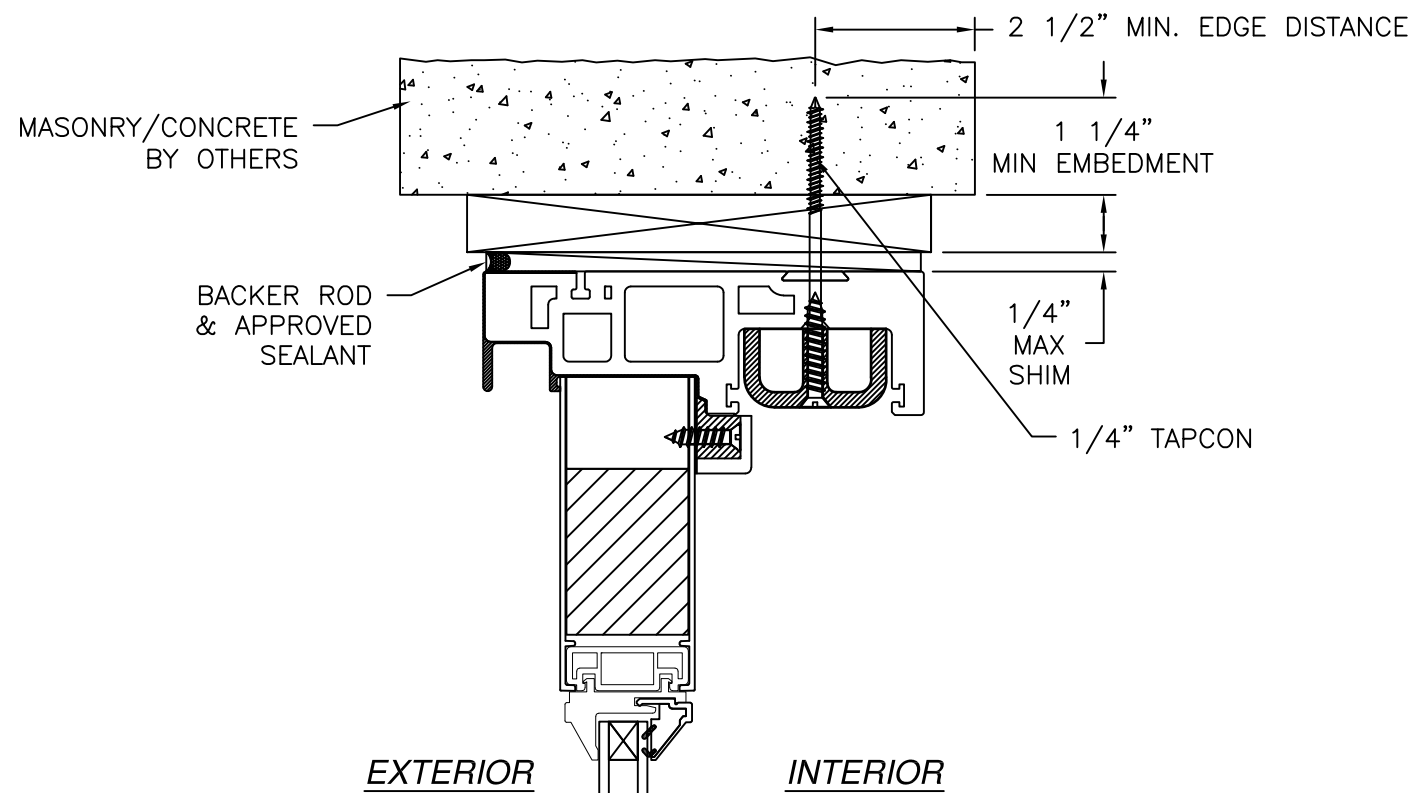
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISE TO ADD GLAZING DETAILS	05/29/2025	R.L.

SIGNED: 05/29/2025

NAN YA PLASTICS CORP. USA 8989 NORTH LOOP EAST HOUSTON, TX 77029		
SERIES O/XO GLIDING PATIO DOOR SLIDING DOOR W/FIELD MULLION NON-IMPACT INSTALLATION DETAILS		
DRAWN: K.S.	DWG NO. 08-02790A	REV A
SCALE NTS	DATE 07/24/15	SHEET 6 OF 7
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

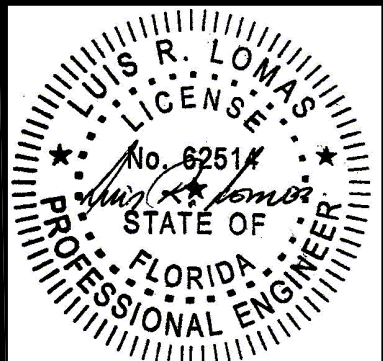


JAMB INSTALLATION DETAIL
CONCRETE/MASONRY INSTALLATION
SIDELITE SHOWN, DOOR SIMILAR

- 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

NAN YA PLASTICS CORP. USA 8989 NORTH LOOP EAST HOUSTON, TX 77029		
SERIES O/XO GLIDING PATIO DOOR SLIDING DOOR W/FIELD MULLION NON-IMPACT INSTALLATION DETAILS		
DRAWN: K.S.	DWG NO. 08-02790A	REV A
SCALE NTS	DATE 07/24/15	SHEET 7 OF 7
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.