

| REVISIONS |                                |            |          |
|-----------|--------------------------------|------------|----------|
| REV       | DESCRIPTION                    | DATE       | APPROVED |
| C         | REVISED TO ADD GLAZING DETAILS | 05/26/2025 | 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" 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 3/4" THICK.
12. FRAME SILL MATERIAL: CO-EXTRUDED PVC FOAM 1/32" THICK.
13. DOOR PANEL MATERIAL: PVC COMPOSITE FOAM WITH AN EXTRUDED PVC SKIN .031" THICK.
14. UNITS MUST BE GLAZED PER ASTM E1300, WITH SAFETY GLAZING.
15. APPROVED IMPACT PROTECTIVE SYSTEM IS REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.

16. FOR ANCHORING THROUGH FRAME 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.
17. FOR ANCHORING THROUGH FRAME INTO MASONRY/CONCRETE USE 3/16" TAPCONS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/4" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 2 1/4" MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
18. FOR ANCHORING THROUGH FRAME 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 .054" THICK MINIMUM
21. APPROVED CONFIGURATIONS: XO, OX.
22. STEEL REINFORCEMENTS ARE OPTIONAL.

SIGNED: 05/26/2025

| TABLE OF CONTENTS |                      |
|-------------------|----------------------|
| SHEET NO.         | DESCRIPTION          |
| 1                 | NOTES                |
| 2                 | ELEVATION            |
| 3                 | GLAZING DETAILS      |
| 4 - 6             | INSTALLATION DETAILS |
| 7                 | COMPONENTS           |

NAN YA PLASTICS CORP. USA

8989 NORTH LOOP EAST

HOUSTON, TX 77029

MASTERPIECE SERIES GLIDING PATIO DOOR

NAN YA 6068 DP45

NOTES

DRAWN: V.L.

DWG NO. 08-02239

REV C

SCALE NTS

DATE 10/24/13

SHEET 1 OF 7

L. ROBERTO LOMAS P.E.

208 7th Ave, INDIALANTIC, FL 32903

434-688-0609 rllomas@lrlomaspe.com

LUIS R. LOMAS

LICENSE

No. 62514

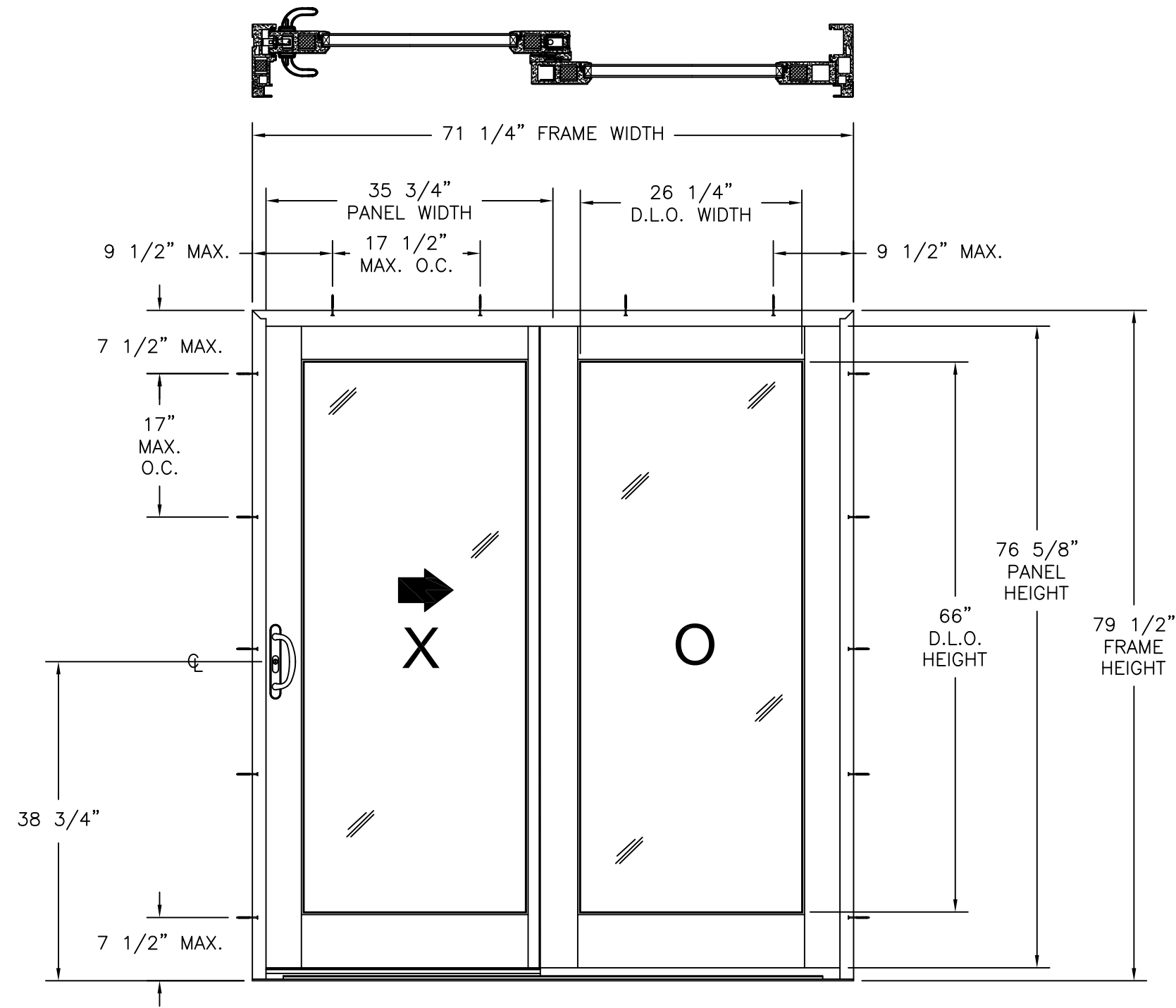
STATE OF FLORIDA

PROFESSIONAL ENGINEER

Luis R. Lomas P.E.

FL No.: 62514

| REVISIONS |                                |            |          |
|-----------|--------------------------------|------------|----------|
| REV       | DESCRIPTION                    | DATE       | APPROVED |
| C         | REVISED TO ADD GLAZING DETAILS | 05/26/2025 | R.L.     |



**NAN YA 6068 DP45 SLIDING GLASS DOOR**  
EXTERIOR VIEW

| DESIGN PRESSURE RATING | IMPACT RATING |
|------------------------|---------------|
| ±45PSF                 | NONE          |

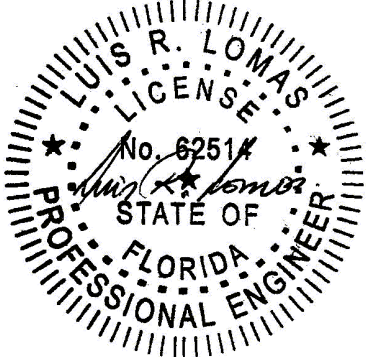
35 3/4" X 76 5/8" PANELS SHOWN. OTHER PANELS SIZES APPROVED AS LONG AS INDIVIDUAL PANEL AREA DOES NOT EXCEED 19.02 FT²

**HARDWARE SCHEDULE**

|    |                                                                                        |
|----|----------------------------------------------------------------------------------------|
| A. | (2) ADJUSTABLE ROLLER AT ACTIVE PANEL                                                  |
| B. | (1) FLUSH BOLT WITH KEEPER AT TOP OF ACTIVE PANEL                                      |
| C. | (1) SINGLE LOCKING SYSTEM WITH KEEPER AT ACTIVE PANEL                                  |
| D. | (1) GLIDING HANDLE SET AT ACTIVE PANEL                                                 |
| E. | STEEL REINFORCEMENT AT ACTIVE PANEL STILES AND PASIVE PANEL INTERLOCK STILE (OPTIONAL) |

|                                                                                                   |                     |                 |
|---------------------------------------------------------------------------------------------------|---------------------|-----------------|
| NAN YA PLASTICS CORP. USA<br>8989 NORTH LOOP EAST<br>HOUSTON, TX 77029                            |                     |                 |
| MASTERPIECE SERIES GLIDING PATIO DOOR<br>NAN YA 6068 DP45<br>ELEVATION                            |                     |                 |
| DRAWN:<br>V.L.                                                                                    | DWG NO.<br>08-02239 | REV<br>C        |
| SCALE<br>NTS                                                                                      | DATE<br>10/24/13    | SHEET<br>2 OF 7 |
| L. ROBERTO LOMAS P.E.<br>208 7th Ave, INDIALANTIC, FL 32903<br>434-688-0609 rllomas@lrlomaspe.com |                     |                 |

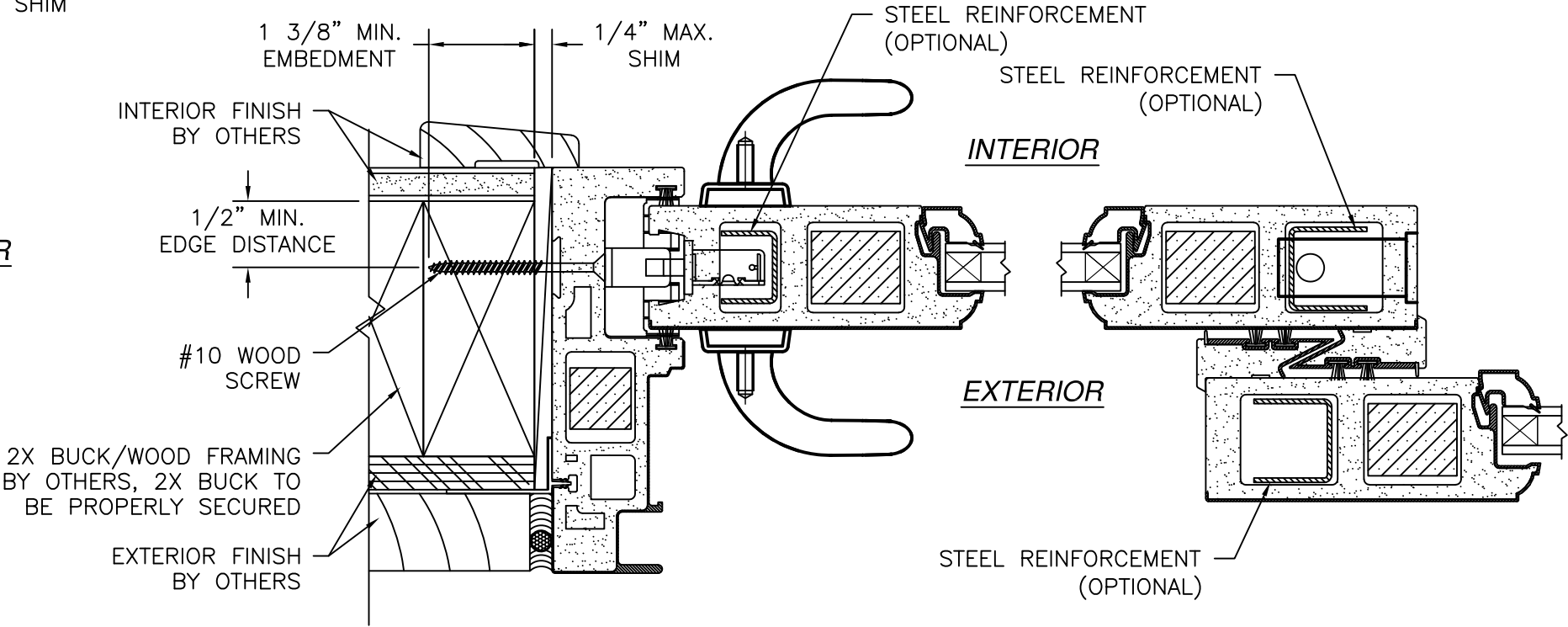
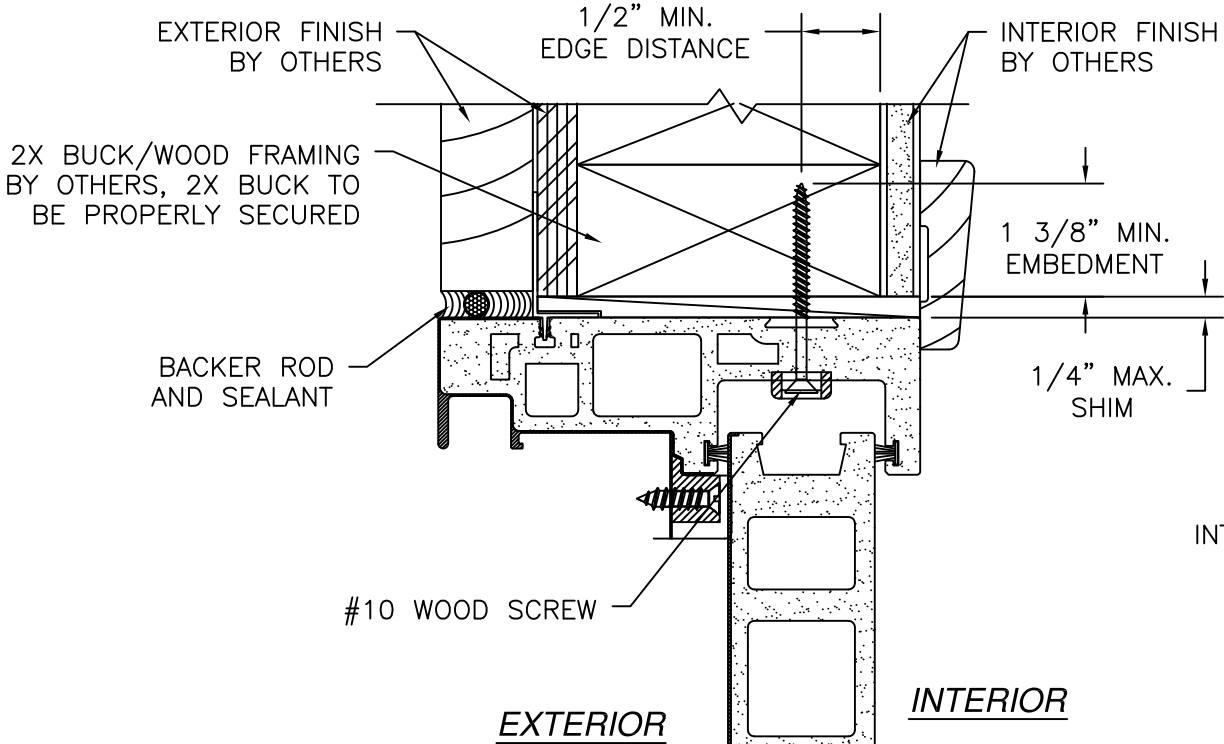
SIGNED: 05/26/2025



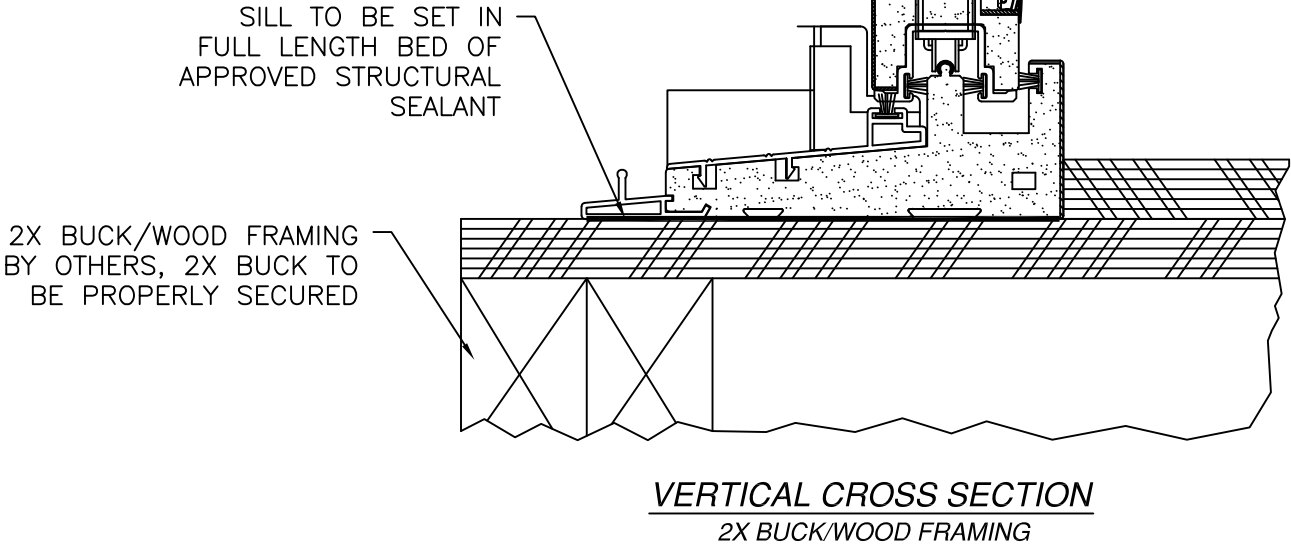
Luis R. Lomas P.E.  
FL No.: 62514



| REVISIONS |                                |            |          |
|-----------|--------------------------------|------------|----------|
| REV       | DESCRIPTION                    | DATE       | APPROVED |
| C         | REVISED TO ADD GLAZING DETAILS | 05/26/2025 | R.L.     |



HORIZONTAL CROSS SECTION  
2X BUCK/WOOD FRAMING



SIGNED: 05/26/2025

NAN YA PLASTICS CORP. USA

8989 NORTH LOOP EAST  
HOUSTON, TX 77029

MASTERPIECE SERIES GLIDING PATIO DOOR

NAN YA 6068 DP45

INSTALLATION DETAILS

DRAWN: V.L.

DWG NO. 08-02239

REV C

SCALE NTS

DATE 10/24/13

SHEET 4 OF 7

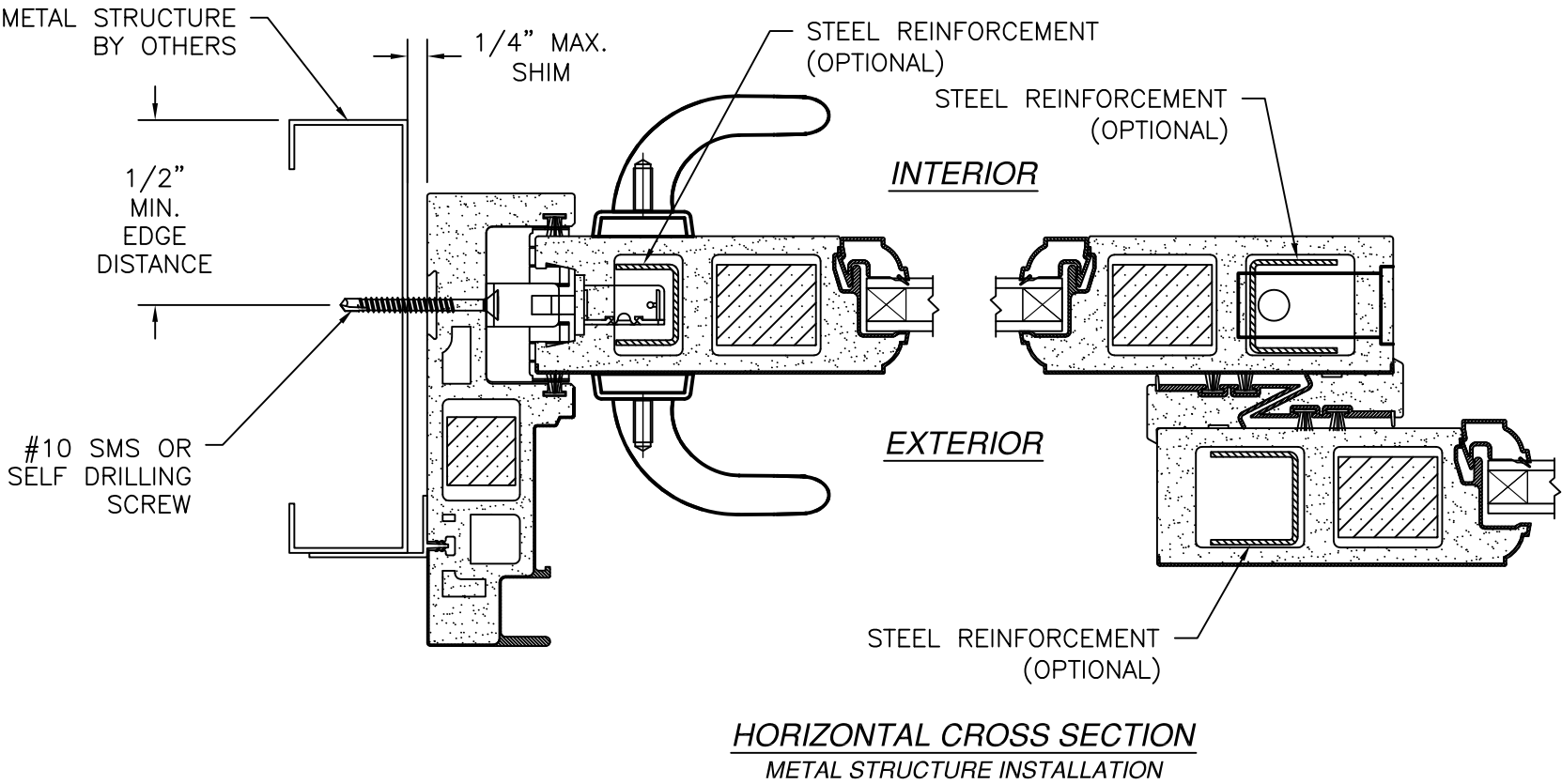
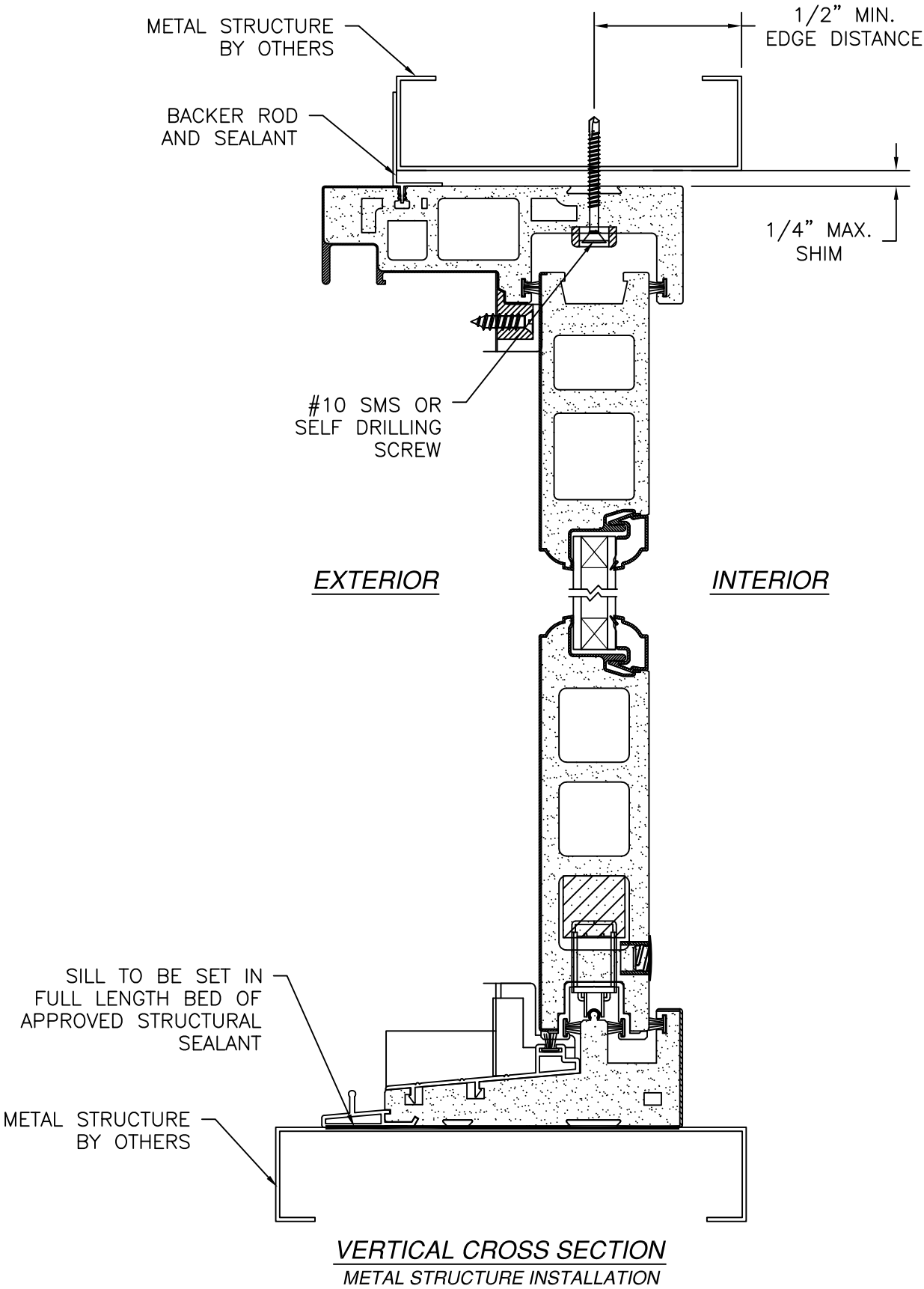
L. ROBERTO LOMAS P.E.

208 7th Ave, INDIALANTIC, FL 32903

434-688-0609 rllomas@lrloomaspe.com

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

| REVISIONS |                                |            |          |
|-----------|--------------------------------|------------|----------|
| REV       | DESCRIPTION                    | DATE       | APPROVED |
| C         | REVISED TO ADD GLAZING DETAILS | 05/26/2025 | R.L.     |



SIGNED: 05/26/2025

NAN YA PLASTICS CORP. USA

8989 NORTH LOOP EAST  
HOUSTON, TX 77029

MASTERPIECE SERIES GLIDING PATIO DOOR

NAN YA 6068 DP45

INSTALLATION DETAILS

DRAWN: V.L.

SCALE NTS

DWG NO. 08-02239

DATE 10/24/13

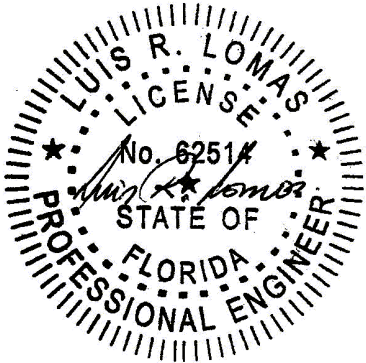
REV C

SHEET 5 OF 7

L. ROBERTO LOMAS P.E.

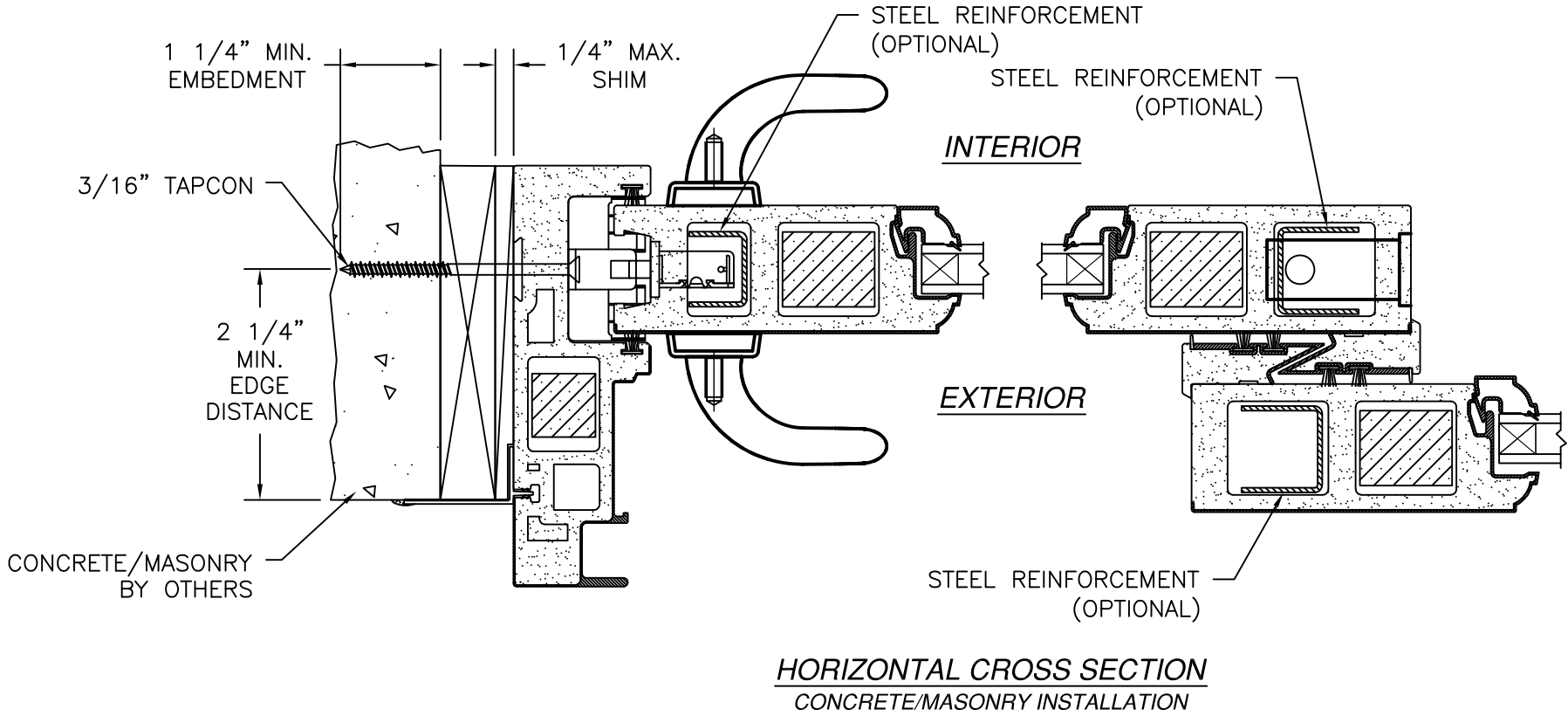
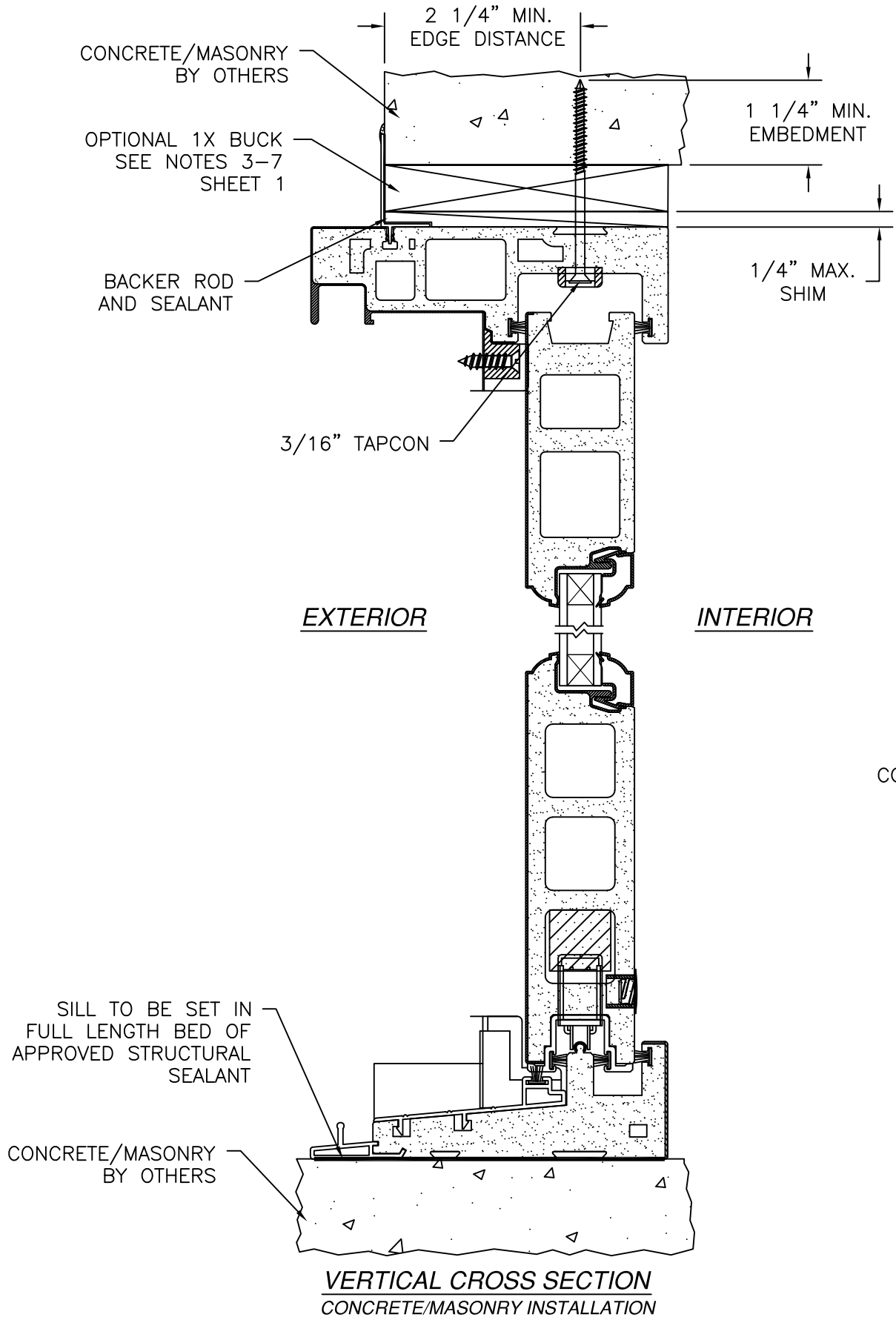
208 7th Ave, INDIALANTIC, FL 32903

434-688-0609 rllomas@lrlomaspe.com



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

| REVISIONS |                                |            |          |
|-----------|--------------------------------|------------|----------|
| REV       | DESCRIPTION                    | DATE       | APPROVED |
| C         | REVISED TO ADD GLAZING DETAILS | 05/26/2025 | R.L.     |



SIGNED: 05/26/2025

NAN YA PLASTICS CORP. USA

8989 NORTH LOOP EAST  
HOUSTON, TX 77029

MASTERPIECE SERIES GLIDING PATIO DOOR

NAN YA 6068 DP45

INSTALLATION DETAILS

DRAWN:

V.L.

DWG NO.

08-02239

REV

C

SCALE

NTS

DATE

10/24/13

SHEET

6

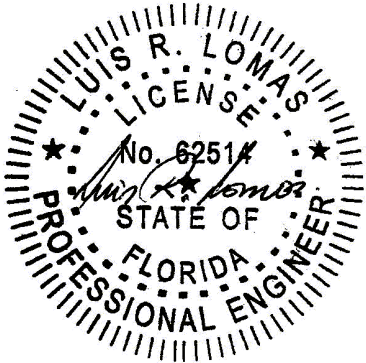
OF

7

L. ROBERTO LOMAS P.E.

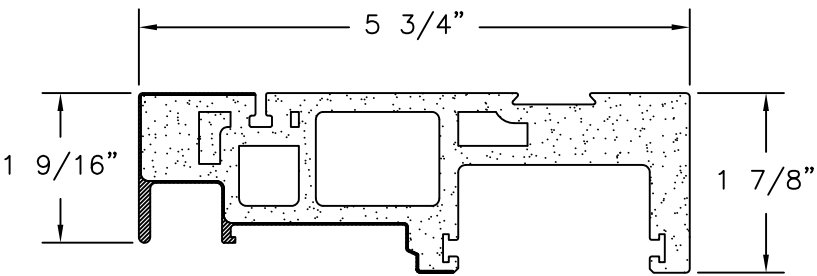
208 7th Ave, INDIALANTIC, FL 32903

434-688-0609    rllomas@lrllomaspe.com

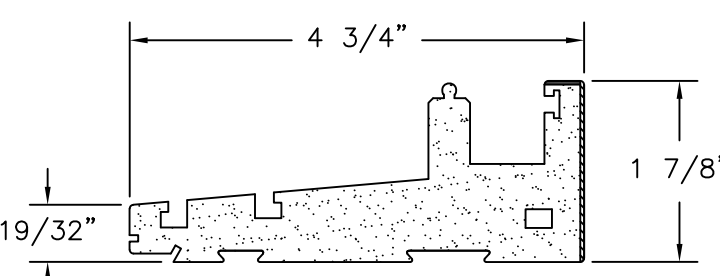


Luis R. Lomas P.E.  
FL No.: 62514

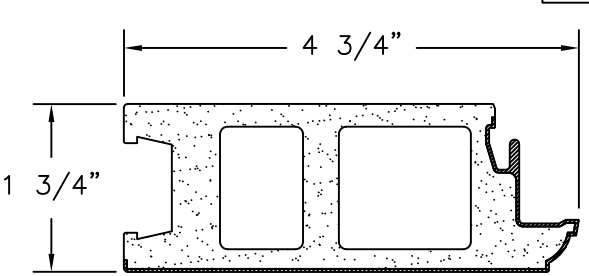
| REVISIONS |                                |            |          |
|-----------|--------------------------------|------------|----------|
| REV       | DESCRIPTION                    | DATE       | APPROVED |
| C         | REVISED TO ADD GLAZING DETAILS | 05/26/2025 | R.L.     |



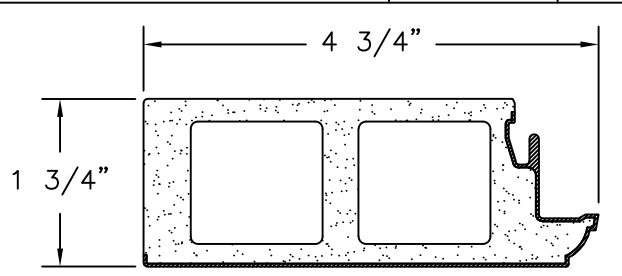
**5 3/4" FRAME HEAD AND JAMB**  
CO-EXTRUDED PVC FOAM .75" THICK



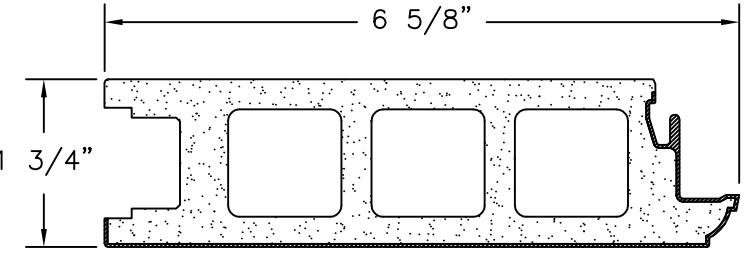
**4 3/4" GLIDING SILL**  
CO-EXTRUDED PVC FOAM  
1.032" THICK



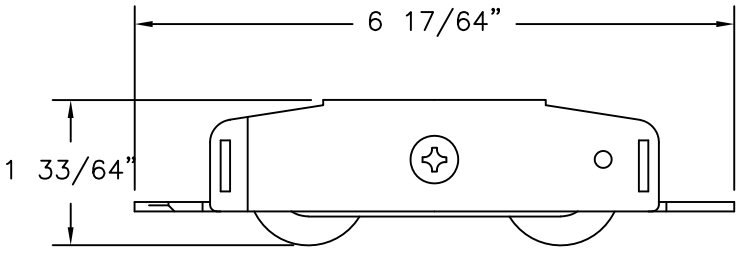
**4 3/4" LOCK STILE AND TOP RAIL**  
PVC COMPOSITE FOAM WITH  
.031" THICK EXTRUDED PVC SKIN



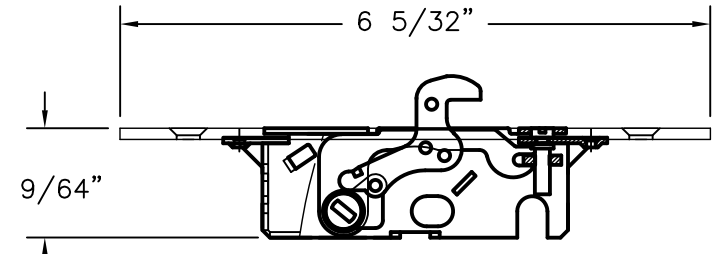
**4 3/4" STILE**  
PVC COMPOSITE FOAM WITH  
.031" THICK EXTRUDED PVC SKIN



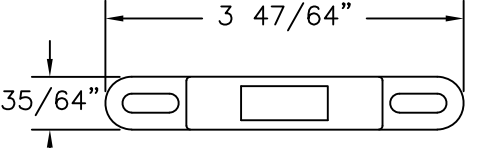
**6 5/8" BOTTOM RAIL**  
PVC COMPOSITE FOAM WITH  
.031" THICK EXTRUDED PVC SKIN



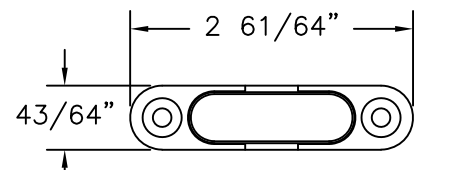
**ADJUSTABLE ROLLER**  
STAINLESS STEEL



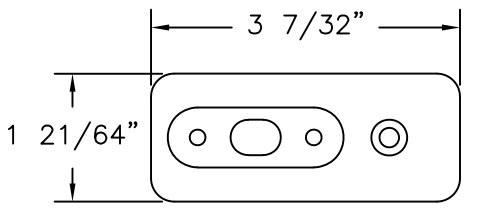
**SINGLE LOCKING SYSTEM**  
STAINLESS STEEL, DIE, STEEL



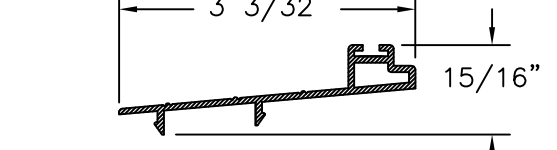
**LOCK KEEPER**  
STAINLESS STEEL



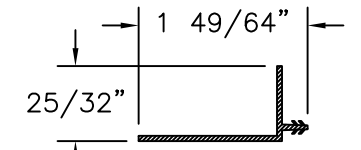
**ANTI-LIFT STOPPER**  
DIE CASTING



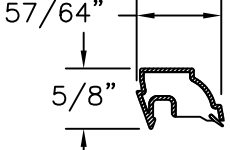
**BOLT STILE END-COVER**  
RIGID PVC



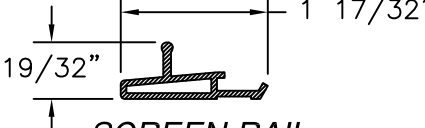
**THRESHOLD**  
EXTRUDED ALUMINUM 6063-T6 .059" THICK



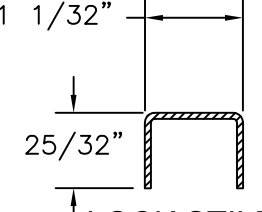
**FRAME FIN**  
EXTRUDED RIGID PVC .051" THICK



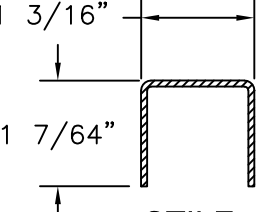
**43/64" GLAZING BEAD**  
EXTRUDED RIGID PVC



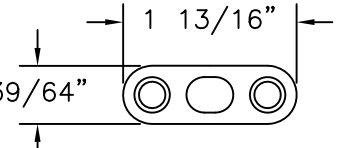
**SCREEN RAIL**  
EXTRUDED ALUMINUM 6063-T6 .059" THICK



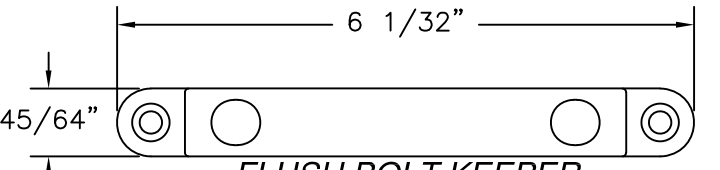
**LOCK STILE REINFORCEMENT**  
STEEL



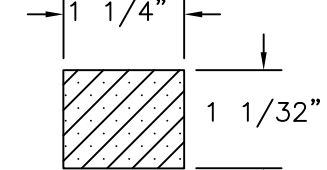
**STILE REINFORCEMENT**  
STEEL



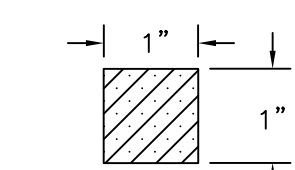
**FLUSH BOLT TOP GUIDE**  
STAINLESS STEEL



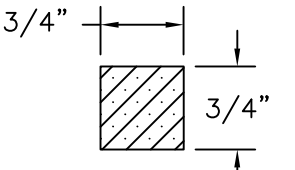
**FLUSH BOLT KEEPER**  
STAINLESS STEEL



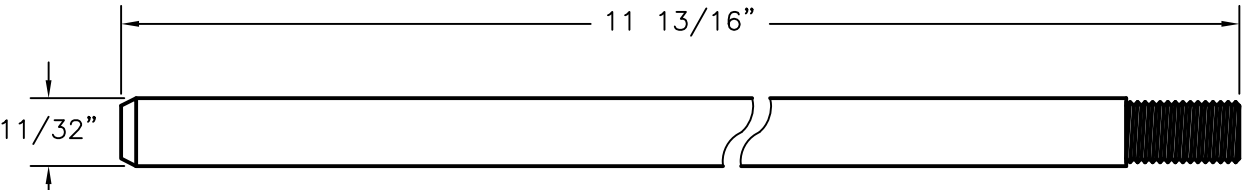
**PANEL STILE REINFORCEMENT**  
PINE



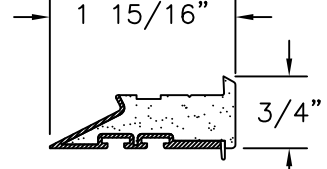
**PANEL BOTTOM RAIL REINFORCEMENT**  
PINE



**JAMB REINFORCEMENT**  
PINE



**FLUSH BOLT BAR**  
STAINLESS STEEL



**MEETING STILE INTERLOCK**  
CO-EXTRUDED PVC FOAM .75" THICK

SIGNED: 05/26/2025

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

MASTERPIECE SERIES GLIDING PATIO DOOR  
NAN YA 6068 DP45  
COMPONENTS

DRAWN:  
V.L.

DWG NO.  
08-02239

REV  
C

SCALE  
NTS

DATE  
10/24/13

SHEET  
7 OF 7

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