

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
H	REVISED MANUFACTURER ADDRESS	07/10/2026	R.L.

NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE FLORIDA BUILDING CODE INCLUDING THE HVHZ.
2. WOOD FRAMING, METAL STRUCTURE 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. 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.
4. 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.
5. 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.
6. BUCKS SHALL EXTEND BEYOND WINDOW INTERIOR FACE SO THAT FULL FRAME SUPPORT IS PROVIDED.
7. 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".
8. SHIMS SHALL BE LOCATED, APPLIED AND MADE FROM MATERIALS AND THICKNESS CAPABLE OF SUSTAINING APPLICABLE LOADS.
9. WIND LOAD DURATION FACTOR Cd=1.6 WAS USED FOR WOOD ANCHOR CALCULATIONS.
10. FRAME MATERIAL: COMPOSITE
11. UNITS MUST BE GLAZED PER ASTM E1300, SEE SHEET 19 FOR GLASS DETAILS.
12. APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.

13. 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.
14. FOR ANCHORING INTO MASONRY/CONCRETE USE 1/4" TAPCONS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 3/4" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 1 1/2" MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
15. 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.
16. ALL FASTENERS TO BE CORROSION RESISTANT.
17. 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:
 - 17.1. WOOD – MINIMUM SPECIFIC GRAVITY OF G=0.42
 - 17.2. CONCRETE – MINIMUM COMPRESSIVE STRENGTH OF 3,192 PSI.
 - 17.3. MASONRY – STRENGTH CONFORMANCE TO ASTM C-90, GRADE N, TYPE 1 (OR GREATER). GROUT FILLED
 - 17.4. METAL STRUCTURE: STEEL 18GA, 33KSI OR ALUMINUM 6063-T5 1/8" THICK MINIMUM
18. APPROVED CONFIGURATIONS: X, X/O, O/X, OX, XO, OX/O, XO/O, XX, XX/O, O/XX, OOX, O/OX, OO/X, OXX, XXO, OXX/O, O/XXO, OXXO AND O/XX/O SEE SHEETS 2, 3 AND 4.
19. SIDELITES ARE ASSEMBLED TO FRAME WITH #10 X 3" WOOD SCREWS LOCATED 4" FROM EACH END AND 23 1/8" 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 – 4	ELEVATIONS
5	HARDWARE SCHEDULE
6	APPROVED CONFIGURATIONS
7 – 8	ANCHORING LAYOUTS
9 – 18	INSTALLATION DETAILS
19	GLAZING DETAILS
20 – 21	COMPONENTS
22 – 23	APPROVED PANEL CONFIGURATIONS

NAN YA PLASTICS CORPORATION U.S.A.

4016 SHADRACK ST.
HOUSTON, TX 77013

SLPS PATIO DOOR LITE 8'0 OUTSWING
LARGE MISSILE IMPACT – HVHZ
NOTES

DRAWN:
A.R.

DWG NO.
08-03323

REV
H

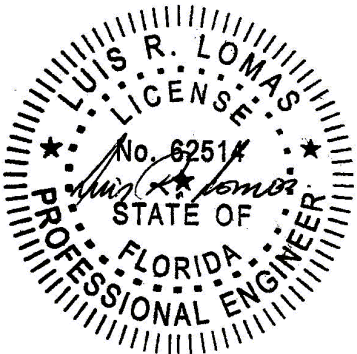
SCALE NTS

DATE 09/27/18

SHEET 1 OF 23

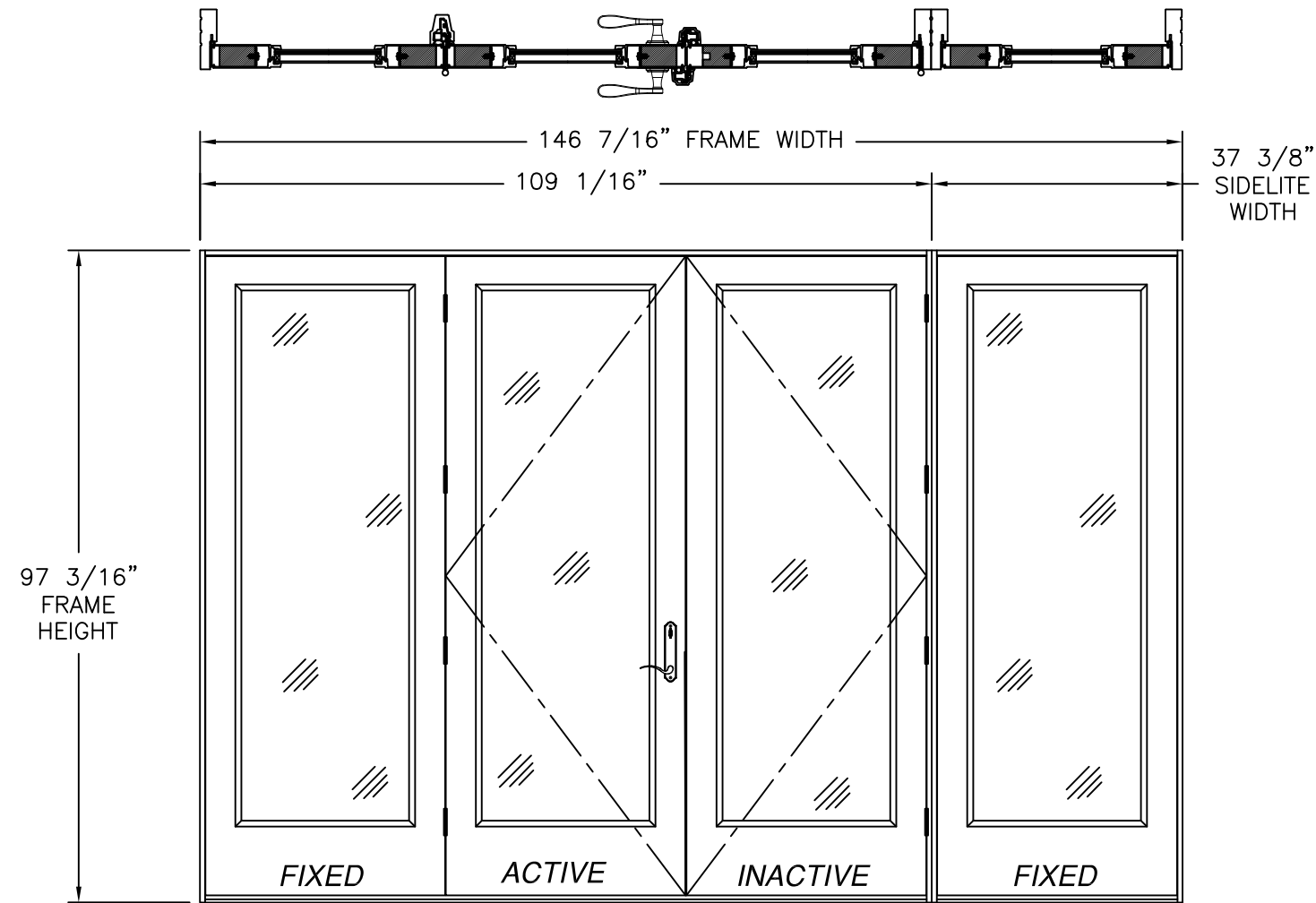
L. ROBERTO LOMAS P.E.
208 7th Ave, INDIALANTIC, FL 32903
434-688-0609 rllomas@lrlomaspe.com

SIGNED: 07/10/2026

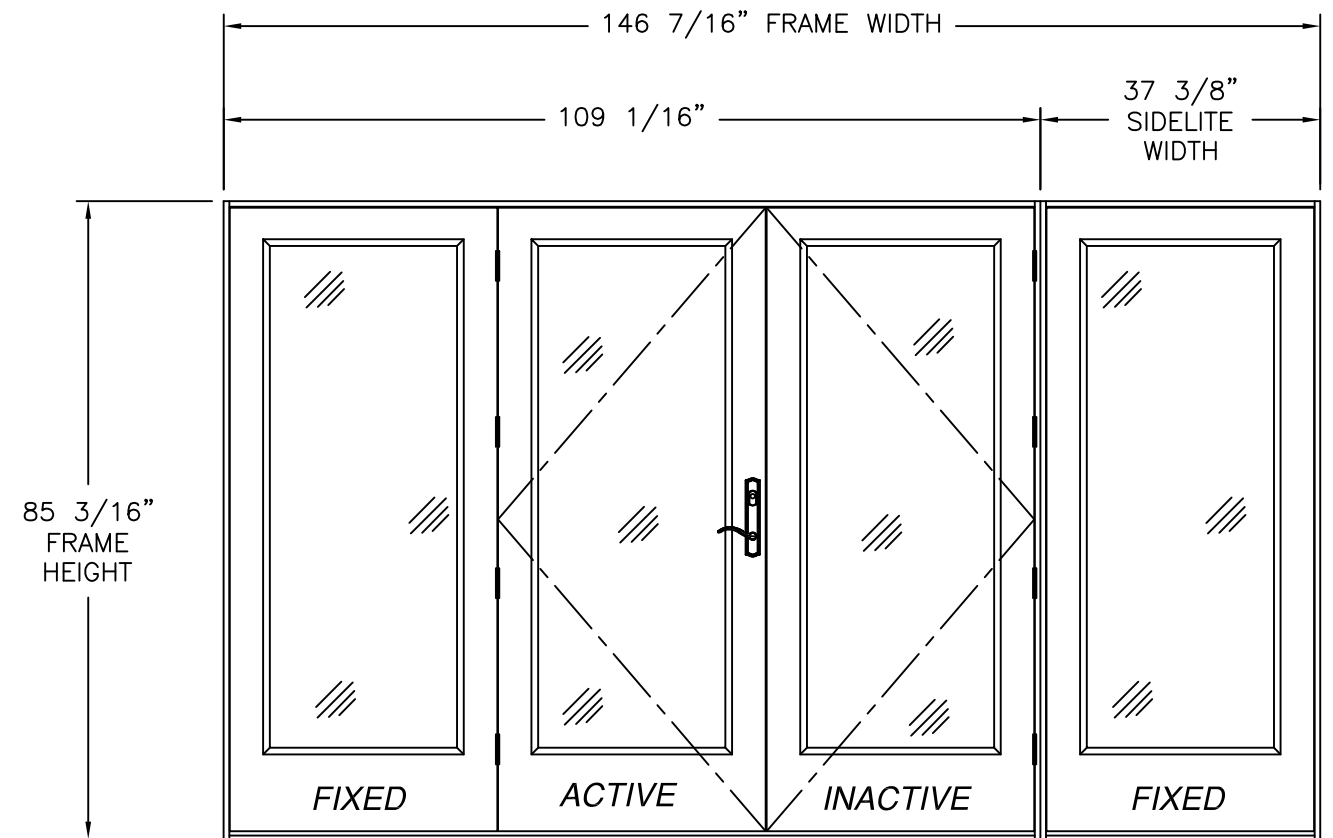


Luis R. Lomas P.E.
FL No.: 62514

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
H	REVISED MANUFACTURER ADDRESS	07/10/2026	R.L.



SLPS PATIO DOOR LITE OUTSWING (OXX/O)
8' UNIT EXTERIOR VIEW
FULL LITE PANELS
REFER TO SHEET 5 FOR HARDWARE AND NOTES



SLPS PATIO DOOR LITE OUTSWING (OXX/O)
7' UNIT EXTERIOR VIEW
FULL LITE PANELS
REFER TO SHEET 5 FOR HARDWARE AND NOTES

STANDARD FRAME W/ & W/OUT SILL RISER

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

MISSILE LEVEL D, WIND ZONE 4 AND HVHZ

SOFT PVC FRAME W/OUT SILL RISER

DESIGN PRESSURE RATING	IMPACT RATING
+40.0/-50.0PSF	LARGE & SMALL MISSILE IMPACT

MISSILE LEVEL D, WIND ZONE 4 AND HVHZ

STANDARD FRAME W/ & W/OUT SILL RISER & W/ENDURA SYSTEM

DESIGN PRESSURE RATING	IMPACT RATING
±45.0PSF	LARGE & SMALL MISSILE IMPACT

MISSILE LEVEL D, WIND ZONE 4 AND HVHZ

SOFT PVC FRAME W/OUT SILL RISER & W/ENDURA SYSTEM

DESIGN PRESSURE RATING	IMPACT RATING
+40.0/-45.0PSF	LARGE & SMALL MISSILE IMPACT

MISSILE LEVEL D, WIND ZONE 4 AND HVHZ

(4) PANELS SHOWN, UNLIMITED NUMBER OF PANELS IN UNLIMITED CONFIGURATIONS ARE APPROVED AS LONG AS INDIVIDUAL PANEL AREA DOES NOT EXCEED 23.64 FT²

SIGNED: 07/10/2026

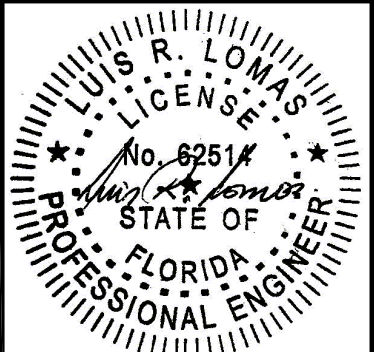
NAN YA PLASTICS CORPORATION U.S.A.

4016 SHADRACK ST.
HOUSTON, TX 77013

SLPS PATIO DOOR LITE 8'0 OUTSWING
LARGE MISSILE IMPACT – HVHZ
FULL LITE PANELS ELEVATION

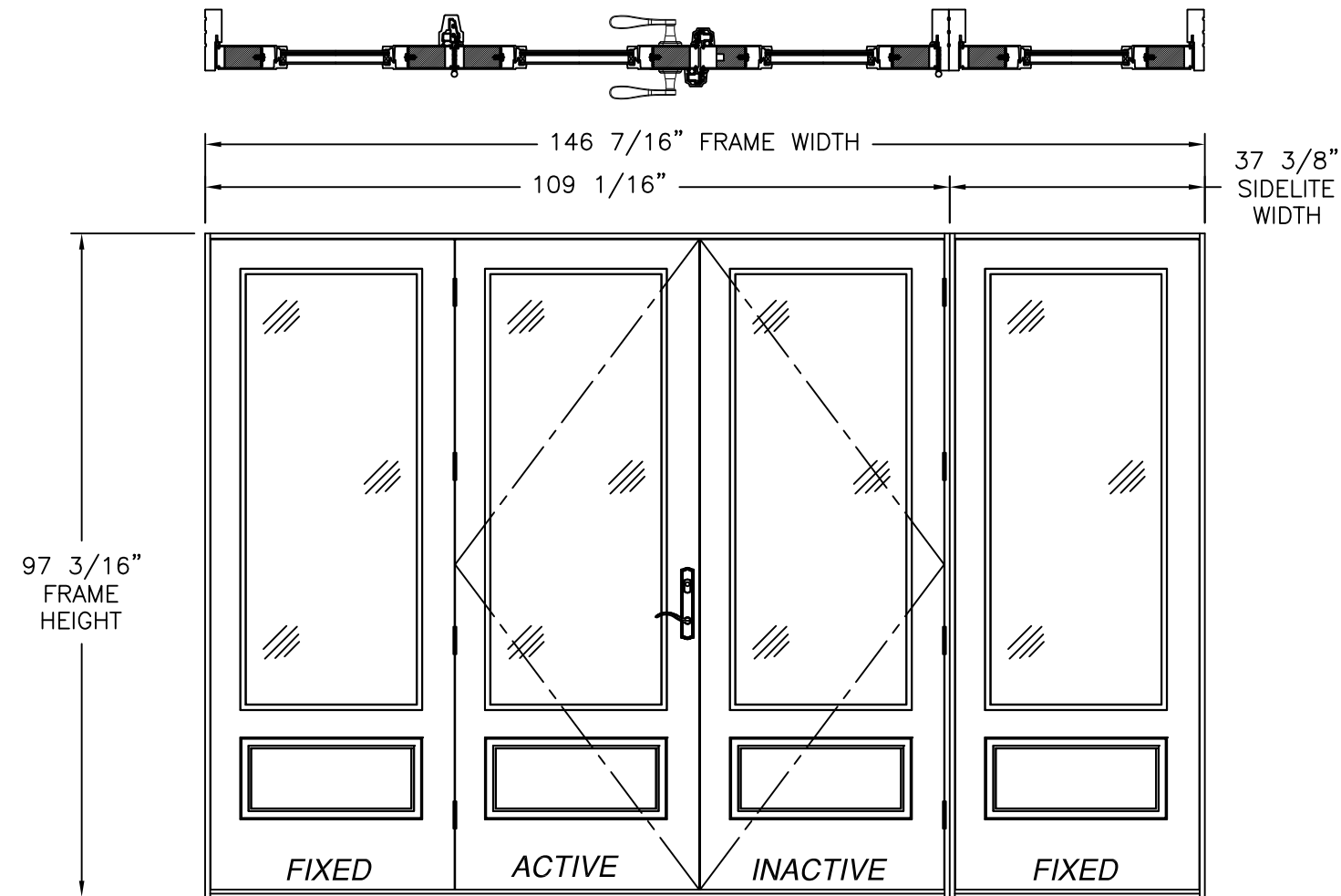
DRAWN: A.R.	DWG NO. 08-03323	REV H
SCALE NTS	DATE 09/27/18	SHEET 2 OF 23

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

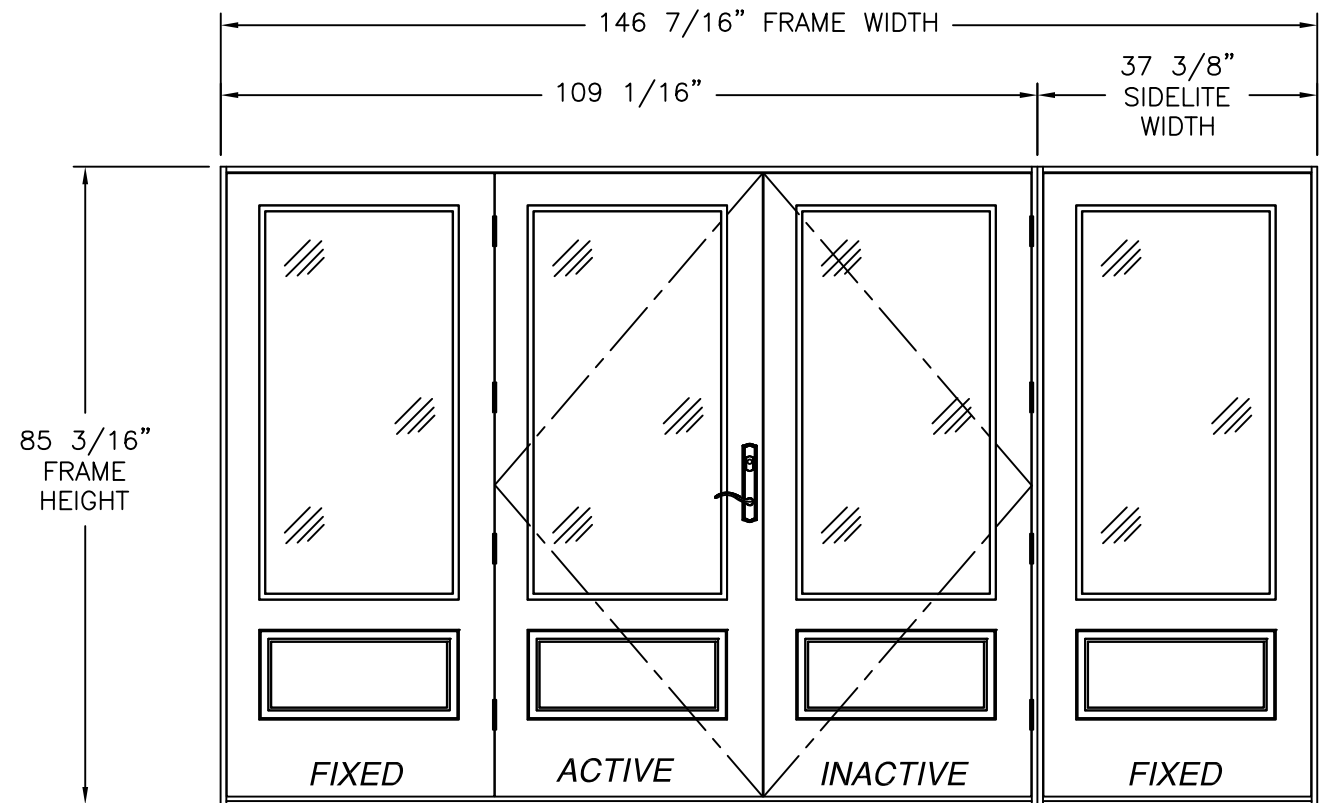


Luis R. Lomas P.E.
FL No.: 62514

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
H	REVISED MANUFACTURER ADDRESS	07/10/2026	R.L.



SLPS PATIO DOOR LITE OUTSWING (OXX/O)
8' UNIT EXTERIOR VIEW
3/4 LITE PANELS
REFER TO SHEET 5 FOR HARDWARE AND NOTES



SLPS PATIO DOOR LITE OUTSWING (OXX/O)
7' UNIT EXTERIOR VIEW
3/4 LITE PANELS
REFER TO SHEET 5 FOR HARDWARE AND NOTES

STANDARD FRAME W/ & W/OUT SILL RISER

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

MISSILE LEVEL D, WIND ZONE 4 AND HVHZ

SOFT PVC FRAME W/OUT SILL RISER

DESIGN PRESSURE RATING	IMPACT RATING
+40.0/-50.0PSF	LARGE & SMALL MISSILE IMPACT

MISSILE LEVEL D, WIND ZONE 4 AND HVHZ

STANDARD FRAME W/ & W/OUT SILL RISER & W/ENDURA SYSTEM

DESIGN PRESSURE RATING	IMPACT RATING
±45.0PSF	LARGE & SMALL MISSILE IMPACT

MISSILE LEVEL D, WIND ZONE 4 AND HVHZ

SOFT PVC FRAME W/OUT SILL RISER & W/ENDURA SYSTEM

DESIGN PRESSURE RATING	IMPACT RATING
+40.0/-45.0PSF	LARGE & SMALL MISSILE IMPACT

MISSILE LEVEL D, WIND ZONE 4 AND HVHZ

(4) PANELS SHOWN, UNLIMITED NUMBER OF PANELS IN UNLIMITED CONFIGURATIONS ARE APPROVED AS LONG AS INDIVIDUAL PANEL AREA DOES NOT EXCEED 23.64 FT²

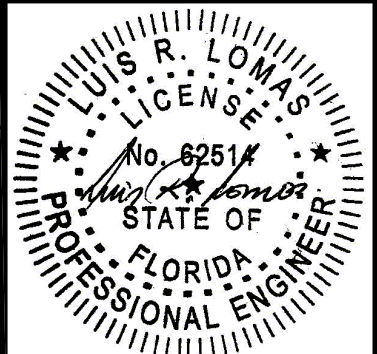
NAN YA PLASTICS CORPORATION U.S.A.
4016 SHADRACK ST.
HOUSTON, TX 77013

SLPS PATIO DOOR LITE 8'0 OUTSWING
LARGE MISSILE IMPACT – HVHZ
3/4 LITE PANELS ELEVATION

DRAWN: A.R.	DWG NO. 08-03323	REV H
SCALE NTS	DATE 09/27/18	SHEET 3 OF 23

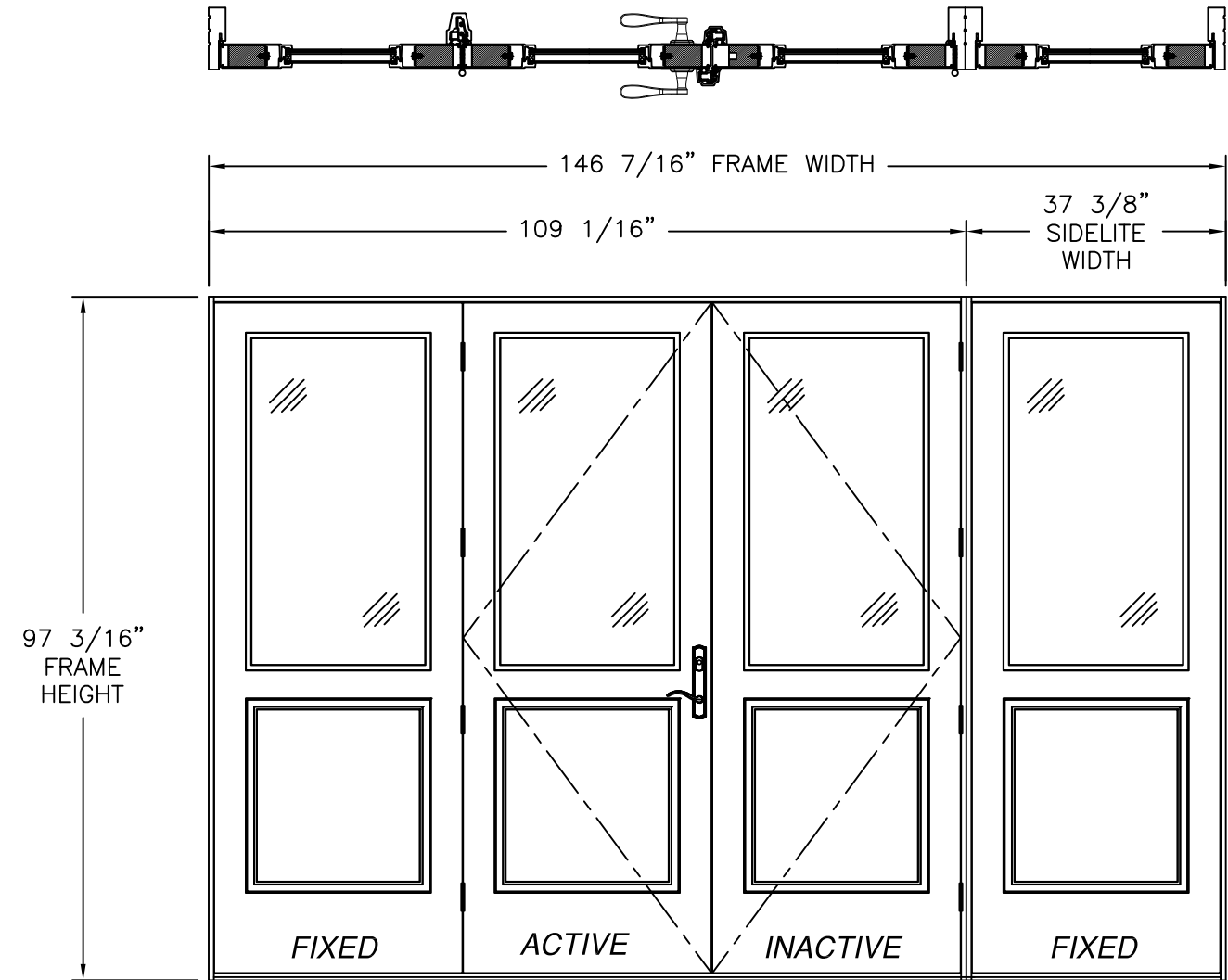
L. ROBERTO LOMAS P.E.
208 7th Ave, INDIALANTIC, FL 32903
434-688-0609 rllomas@lrlomaspe.com

SIGNED: 07/10/2026

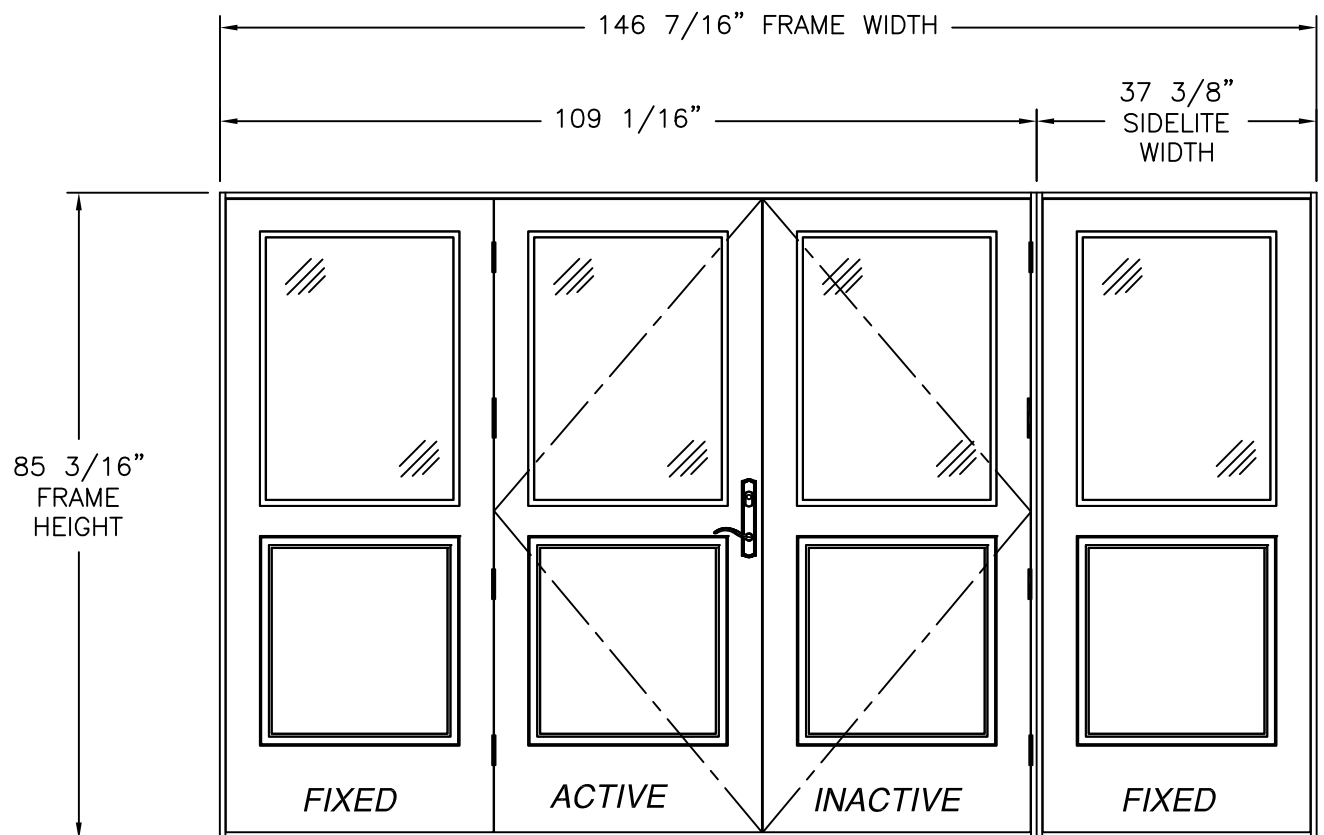


Luis R. Lomas P.E.
FL No.: 62514

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
H	REVISED MANUFACTURER ADDRESS	07/10/2026	R.L.



SLPS PATIO DOOR LITE OUTSWING (OXX/O)
8' UNIT EXTERIOR VIEW
1/2 LITE PANELS
REFER TO SHEET 5 FOR HARDWARE AND NOTES



SLPS PATIO DOOR LITE OUTSWING (OXX/O)
7' UNIT EXTERIOR VIEW
1/2 LITE PANELS
REFER TO SHEET 5 FOR HARDWARE AND NOTES

STANDARD FRAME W/ & W/OUT SILL RISER	
DESIGN PRESSURE RATING	IMPACT RATING
±50.0PSF	LARGE & SMALL MISSILE IMPACT
MISSILE LEVEL D, WIND ZONE 4 AND HVHZ	

SOFT PVC FRAME W/OUT SILL RISER	
DESIGN PRESSURE RATING	IMPACT RATING
+40.0/-50.0PSF	LARGE & SMALL MISSILE IMPACT
MISSILE LEVEL D, WIND ZONE 4 AND HVHZ	

STANDARD FRAME W/ & W/OUT SILL RISER & W/ENDURA SYSTEM	
DESIGN PRESSURE RATING	IMPACT RATING
±45.0PSF	LARGE & SMALL MISSILE IMPACT
MISSILE LEVEL D, WIND ZONE 4 AND HVHZ	

SOFT PVC FRAME W/OUT SILL RISER & W/ENDURA SYSTEM	
DESIGN PRESSURE RATING	IMPACT RATING
+40.0/-45.0PSF	LARGE & SMALL MISSILE IMPACT
MISSILE LEVEL D, WIND ZONE 4 AND HVHZ	

(4) PANELS SHOWN, UNLIMITED NUMBER OF PANELS IN UNLIMITED CONFIGURATIONS ARE APPROVED AS LONG AS INDIVIDUAL PANEL AREA DOES NOT EXCEED 23.64 FT²

NAN YA PLASTICS CORPORATION U.S.A.
4016 SHADRACK ST.
HOUSTON, TX 77013

SLPS PATIO DOOR LITE 8'0 OUTSWING
LARGE MISSILE IMPACT – HVHZ
1/2 LITE PANELS ELEVATION

DRAWN: A.R.	DWG NO. 08-03323	REV H
SCALE NTS	DATE 09/27/18	SHEET 4 OF 23

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

SIGNED: 07/10/2026

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

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
H	REVISED MANUFACTURER ADDRESS	07/10/2026	R.L.

APPROVED HARDWARE

MANUFACTURER	MODEL	
Kwikset	Knob:	Signature Series
	Deadbolt:	Signature Series (980)
Schlage	Knob:	F Series
	Deadbolt:	B Series
JAM YUANG ENTERPRISES CO., LTD	MULTI-POINT LOCKING SYSTEM	SS930
Endura	MULTI-POINT	3000

HARDWARE SCHEDULE

A.	HANDLE SETS AT ACTIVE PANEL
B.	STAINLESS STEEL FLUSH BOLT BAR WITH KEEPER AT PASSIVE PANEL
C.	FLUSH BOLT MECHANISM (DIE CAST, STEEL, POM) AT PASSIVE PANEL
D.	STAINLESS STEEL MULTI-POINT LOCK WITH KEEPERS AT 8 3/8", 51 3/4" AND 90 1/8" FROM FRAME HEAD
E.	T ASTRAGAL AT ACTIVE AND PASSIVE PANELS
F.	(4) 4X4 DOOR HINGE AT STILE OF ACTIVE AND PASSIVE PANEL
G.	ALUMINUM REINFORCEMENT (A) AT ASTRAGAL
H.	ALUMINUM MULLION REINFORCEMENT (B) AT INTEGRAL MULLION

NOTES:

1. PANEL SIZE (8' UNIT): 35 3/4" X 95 1/4"
2. PANEL SIZE (7' UNIT): 35 3/4" X 83 1/4"
3. D.L.O. (8' UNIT, FULL LITE PANEL): 25" X 79"
4. D.L.O. (8' UNIT, 3/4 LITE PANEL): 25" X 63"
5. D.L.O. (8' UNIT, 1/2 LITE PANEL): 25" X 47"
6. D.L.O. (7' UNIT, FULL LITE PANEL): 25" X 67"
7. D.L.O. (7' UNIT, 3/4 LITE PANEL): 25" X 51"
8. D.L.O. (7' UNIT, 1/2 LITE PANEL): 25" X 35"

SIGNED: 07/10/2026

NAN YA PLASTICS CORPORATION U.S.A.
4016 SHADRACK ST.
HOUSTON, TX 77013

SLPS PATIO DOOR LITE 8'0 OUTSWING
LARGE MISSILE IMPACT – HVHZ
HARDWARE SCHEDULE AND NOTES

DRAWN:
A.R.

DWG NO.
08-03323

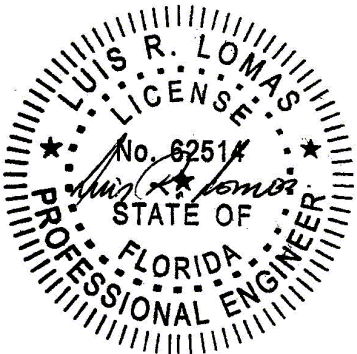
REV
H

SCALE NTS

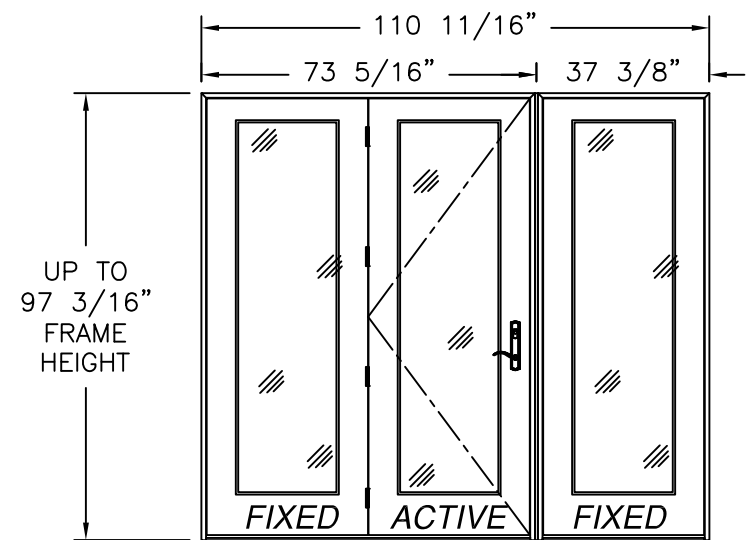
DATE 09/27/18

SHEET 5 OF 23

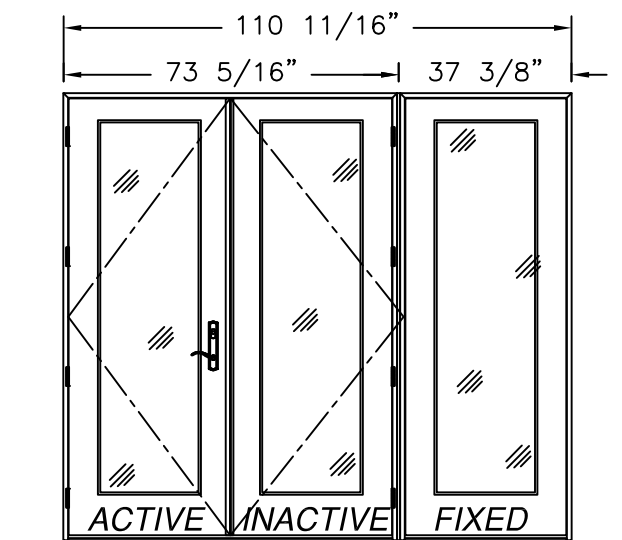
L. ROBERTO LOMAS P.E.
208 7th Ave, INDIALANTIC, FL 32903
434-688-0609 rllomas@lrlomaspe.com



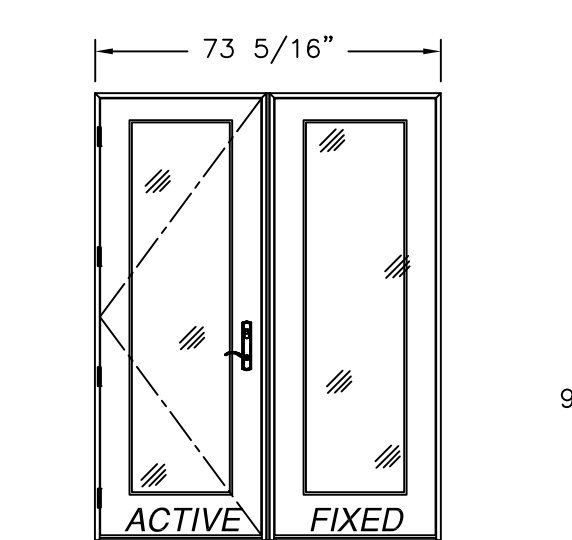
Luis R. Lomas P.E.
FL No.: 62514



SINGLE W/SIDELITE MULL. (OX/O, O/XO)
EXTERIOR VIEW
FULL LITE SHOWN, 3/4 & 1/2 LITE SIMILAR

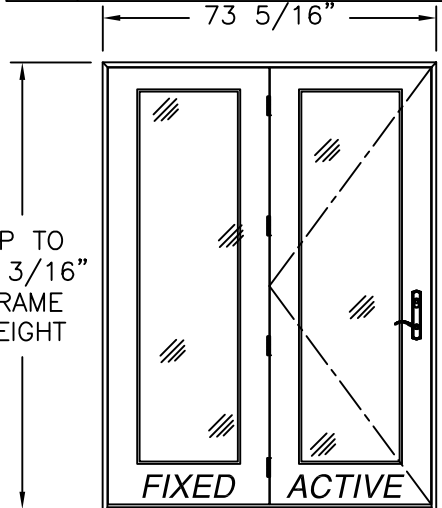


DOUBLE W/SIDELITE MULL. (XX/O, O/XX)
EXTERIOR VIEW
FULL LITE SHOWN, 3/4 & 1/2 LITE SIMILAR

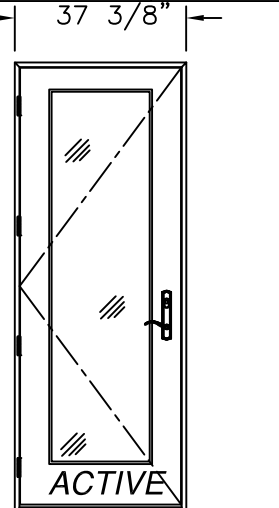


SINGLE W/SIDELITE MULL. (X/O, O/X)
EXTERIOR VIEW
FULL LITE SHOWN, 3/4 & 1/2 LITE SIMILAR

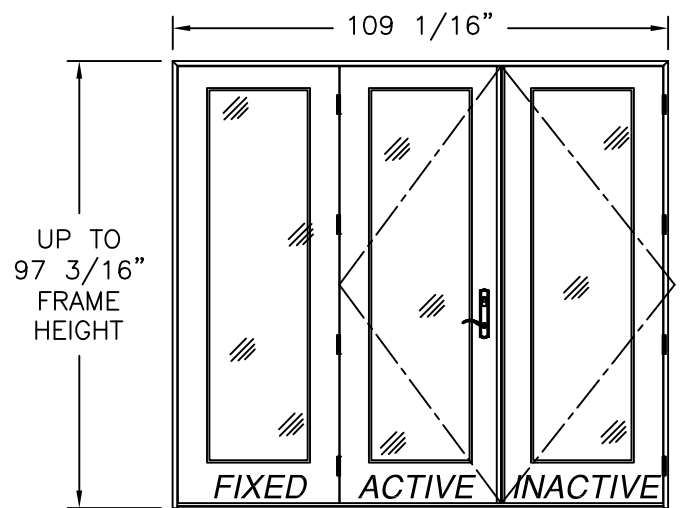
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
H	REVISED MANUFACTURER ADDRESS	07/10/2026	R.L.



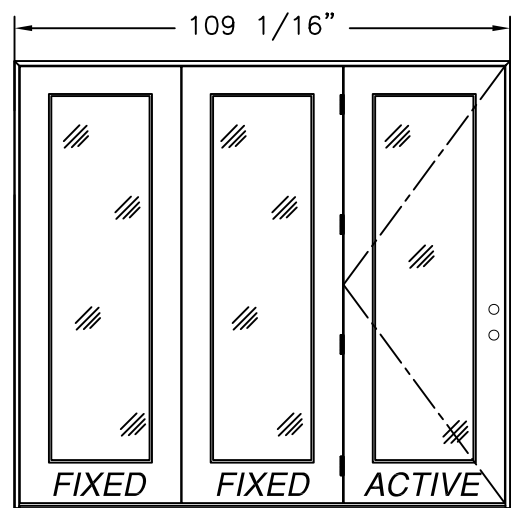
SINGLE W/SIDELITE (OX, XO)
EXTERIOR VIEW
FULL LITE SHOWN, 3/4 & 1/2 LITE SIMILAR



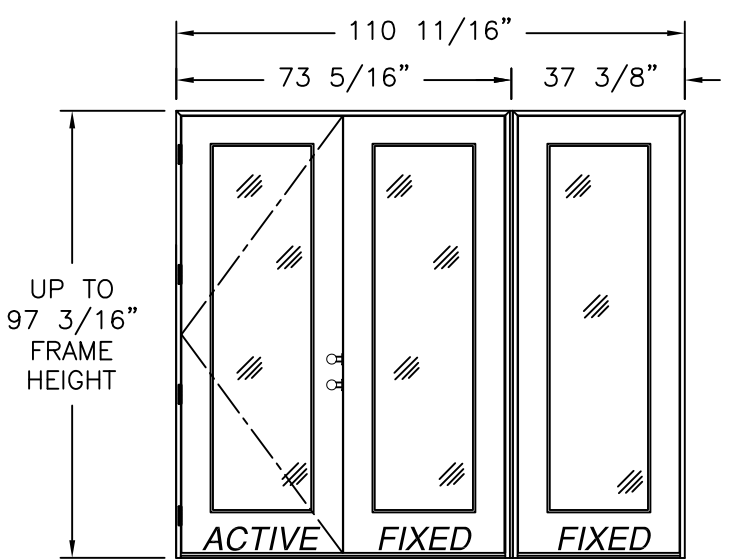
SINGLE (X)
EXTERIOR VIEW
FULL LITE SHOWN, 3/4 & 1/2 LITE SIMILAR



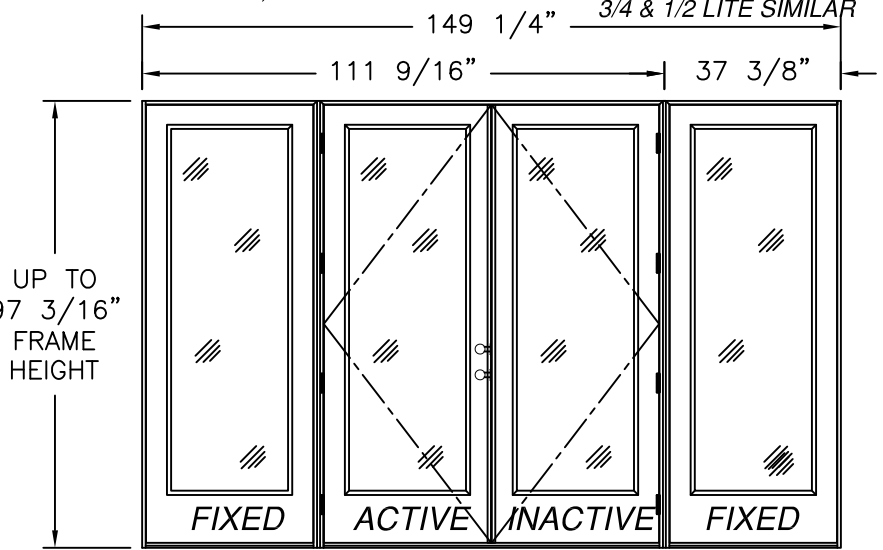
DOUBLE W/SIDELITE (OXX, XXO)
EXTERIOR VIEW
FULL LITE SHOWN, 3/4 & 1/2 LITE SIMILAR



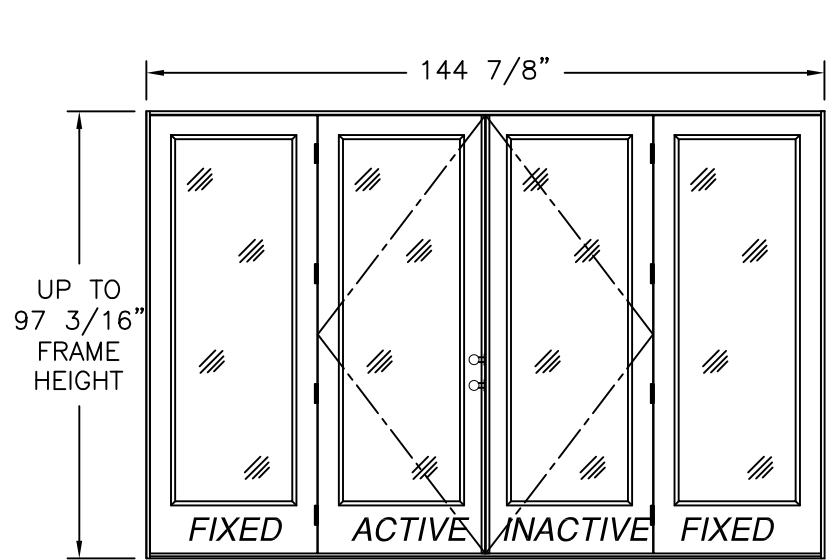
SINGLE W/SIDELITES (OOX, XOO)
EXTERIOR VIEW
FULL LITE SHOWN, 3/4 & 1/2 LITE SIMILAR



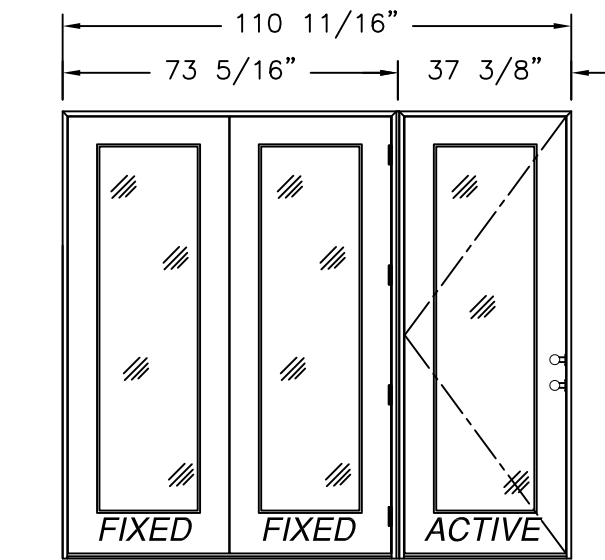
SINGLE W/SIDELITES MULL. (XO/O, O/OX)
EXTERIOR VIEW
FULL LITE SHOWN, 3/4 & 1/2 LITE SIMILAR



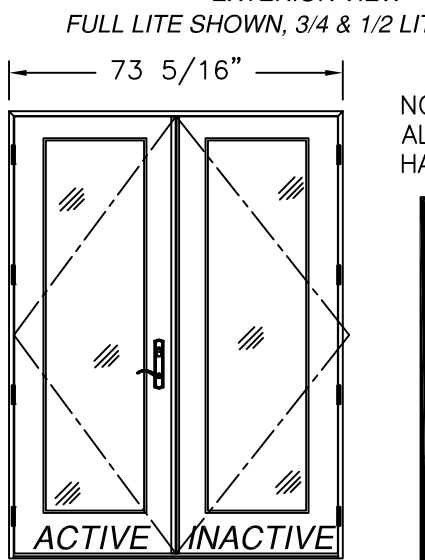
DOUBLE W/SIDELITES MULL. (O/XX/O)
EXTERIOR VIEW
FULL LITE SHOWN, 3/4 & 1/2 LITE SIMILAR



DOUBLE W/SIDELITE (OXXO)
EXTERIOR VIEW
FULL LITE SHOWN, 3/4 & 1/2 LITE SIMILAR



SINGLE W/SIDELITES MULL. (OO/X)
EXTERIOR VIEW
FULL LITE SHOWN, 3/4 & 1/2 LITE SIMILAR



DOUBLE (XX)
EXTERIOR VIEW
FULL LITE SHOWN, 3/4 & 1/2 LITE SIMILAR

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

SIGNED: 07/10/2026

NAN YA PLASTICS CORPORATION U.S.A.
4016 SHADRACK ST.
HOUSTON, TX 77013

SLPS PATIO DOOR LITE 8'0" OUTSWING
LARGE MISSILE IMPACT – HVHZ
APPROVED CONFIGURATIONS

DRAWN:
A.R.

DWG NO.
08-03323

REV
H

SCALE
NTS

DATE
09/27/18

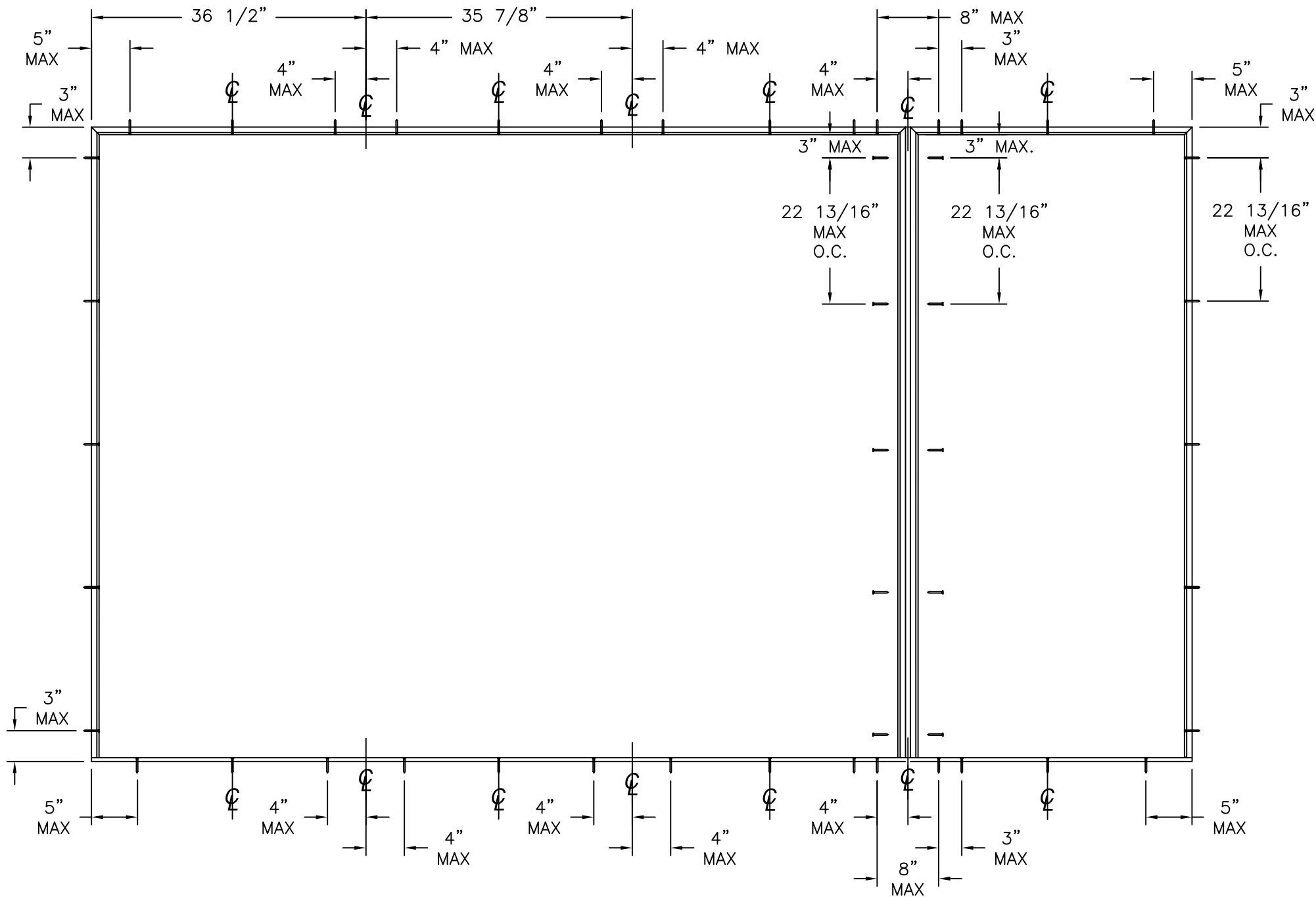
SHEET
6 OF 23

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

LUIS R. LOMAS
P.E.
No. 62514
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

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

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
H	REVISED MANUFACTURER ADDRESS	07/10/2026	R.L.

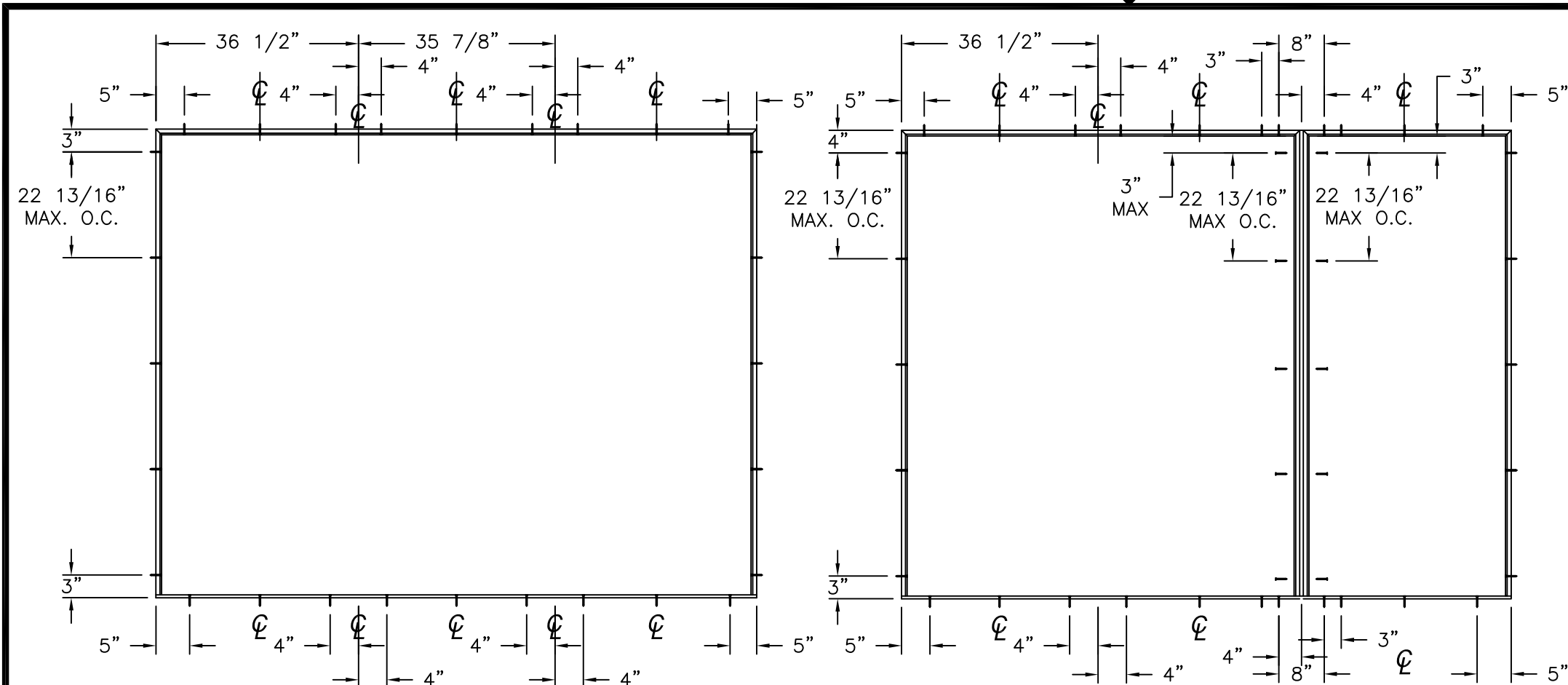


ANCHORING LAYOUT

SIGNED: 07/10/2026

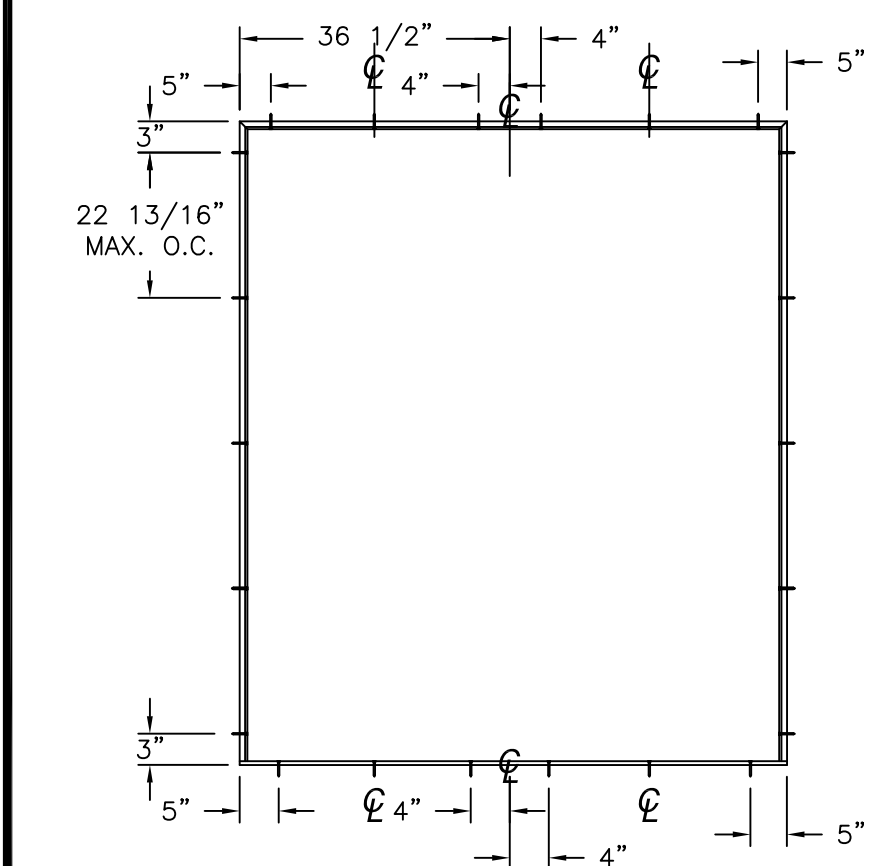
NAN YA PLASTICS CORPORATION U.S.A. 4016 SHADRACK ST. HOUSTON, TX 77013		
SLPS PATIO DOOR LITE 8'0 OUTSWING LARGE MISSILE IMPACT - HVHZ ANCHORING LAYOUT		
DRAWN: A.R.	DWG NO. 08-03323	REV H
SCALE NTS	DATE 09/27/18	SHEET 7 OF 23
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

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

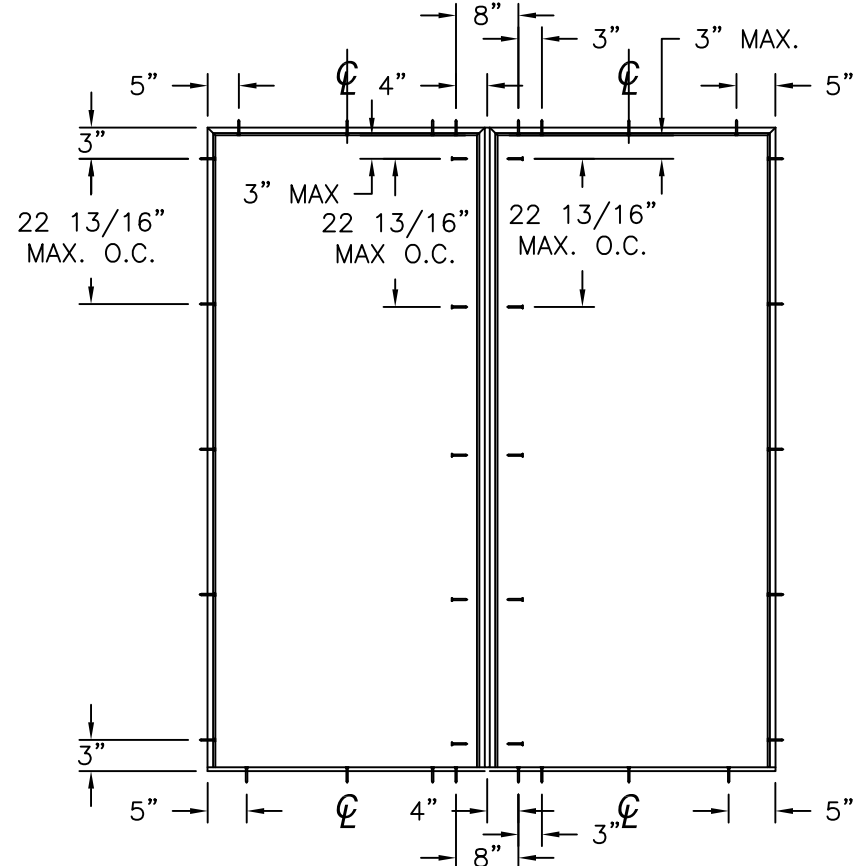


ANCHORING LAYOUT FOR OXO, XXO AND OXX

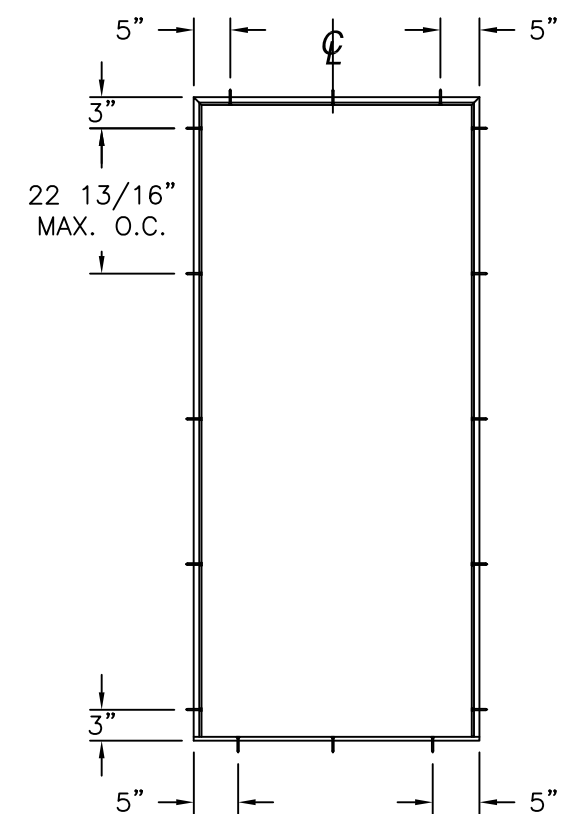
ANCHORING LAYOUT FOR OXO, XXO AND OXX (MULL)



ANCHORING LAYOUT FOR XX, OX AND XO



ANCHORING LAYOUT FOR OX AND XO (MULL)



ANCHORING LAYOUT FOR X

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
H	REVISED MANUFACTURER ADDRESS	07/10/2026	R.L.

NAN YA PLASTICS CORPORATION U.S.A.
4016 SHADRACK ST.
HOUSTON, TX 77013

SLPS PATIO DOOR LITE 8'0 OUTSWING
LARGE MISSILE IMPACT – HVHZ
ANCHORING LAYOUTS

DRAWN:
A.R.

DWG NO.
08-03323

REV
H

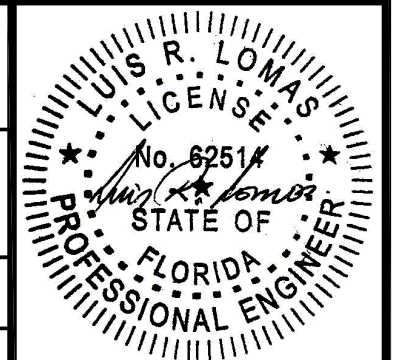
SCALE
NTS

DATE
09/27/18

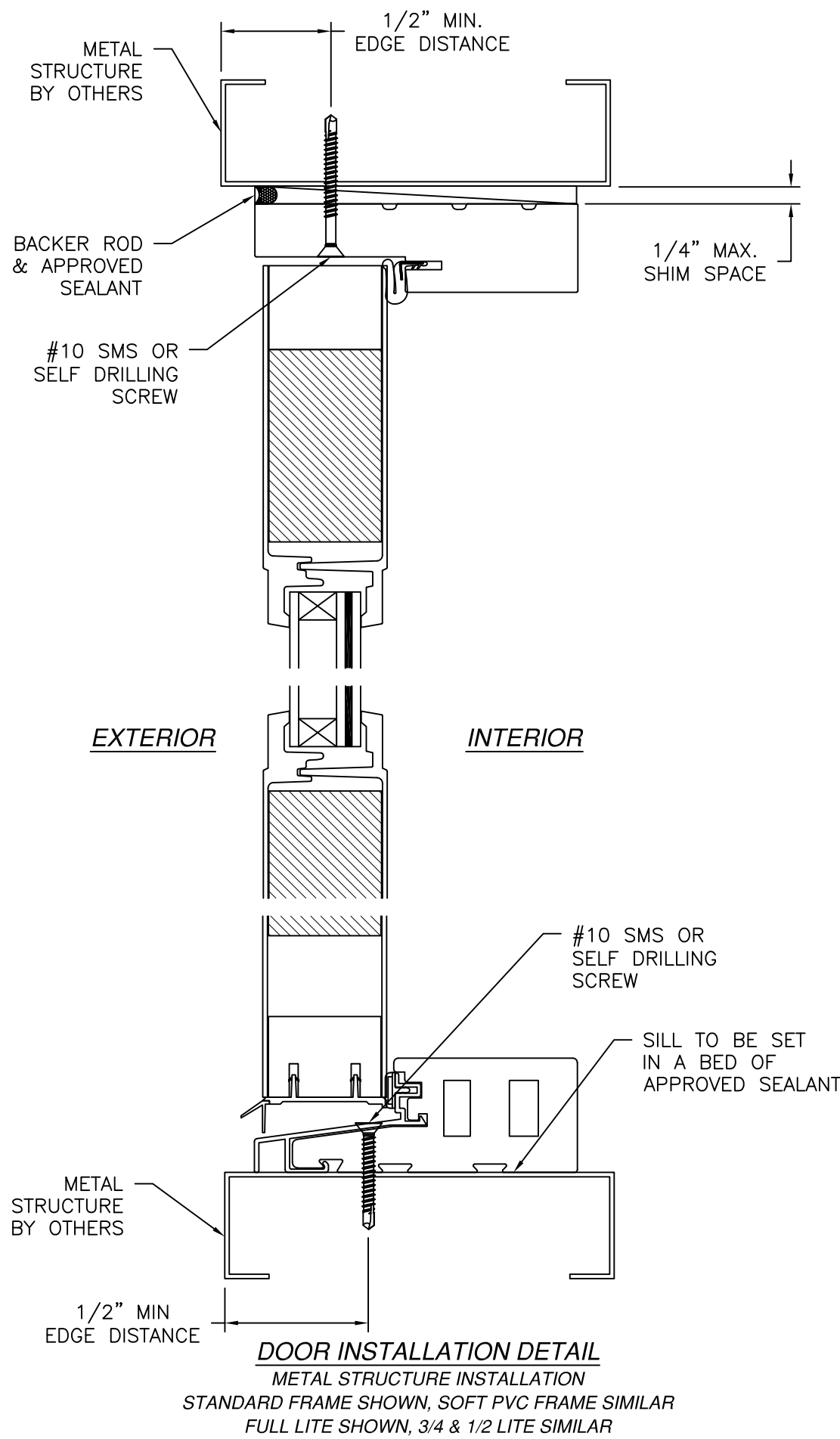
SHEET
8 OF 23

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

SIGNED: 07/10/2026

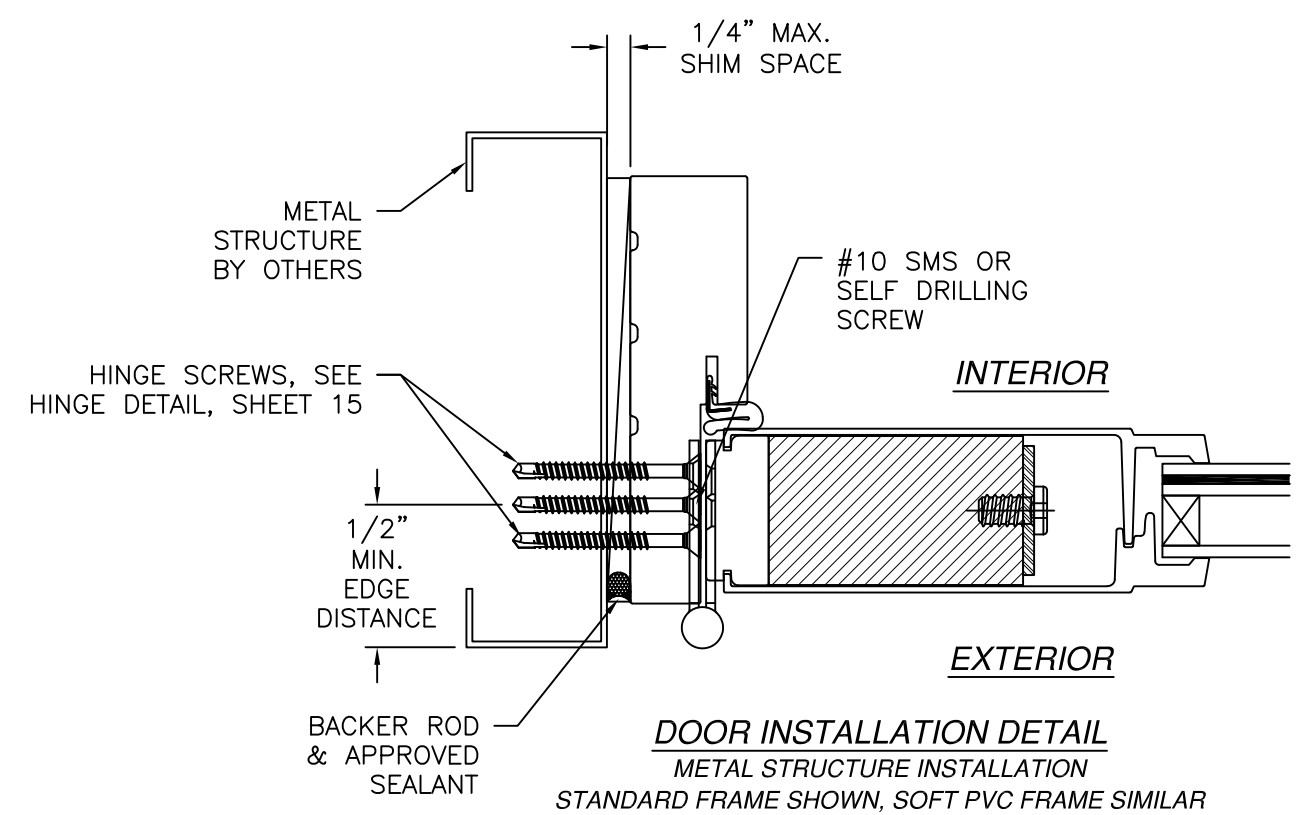


Luis R. Lomas P.E.
FL No.: 62514



DOOR INSTALLATION DETAIL
 METAL STRUCTURE INSTALLATION
 STANDARD FRAME SHOWN, SOFT PVC FRAME SIMILAR
 FULL LITE SHOWN, 3/4 & 1/2 LITE SIMILAR

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
H	REVISED MANUFACTURER ADDRESS	07/10/2026	R.L.



- 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

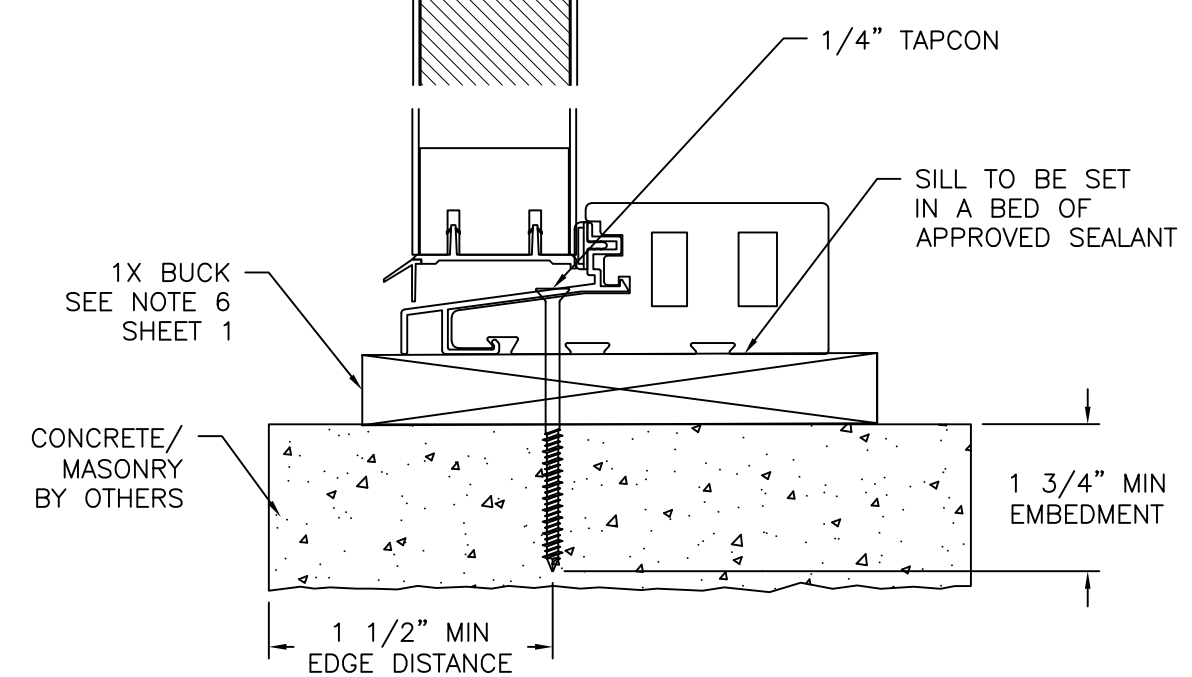
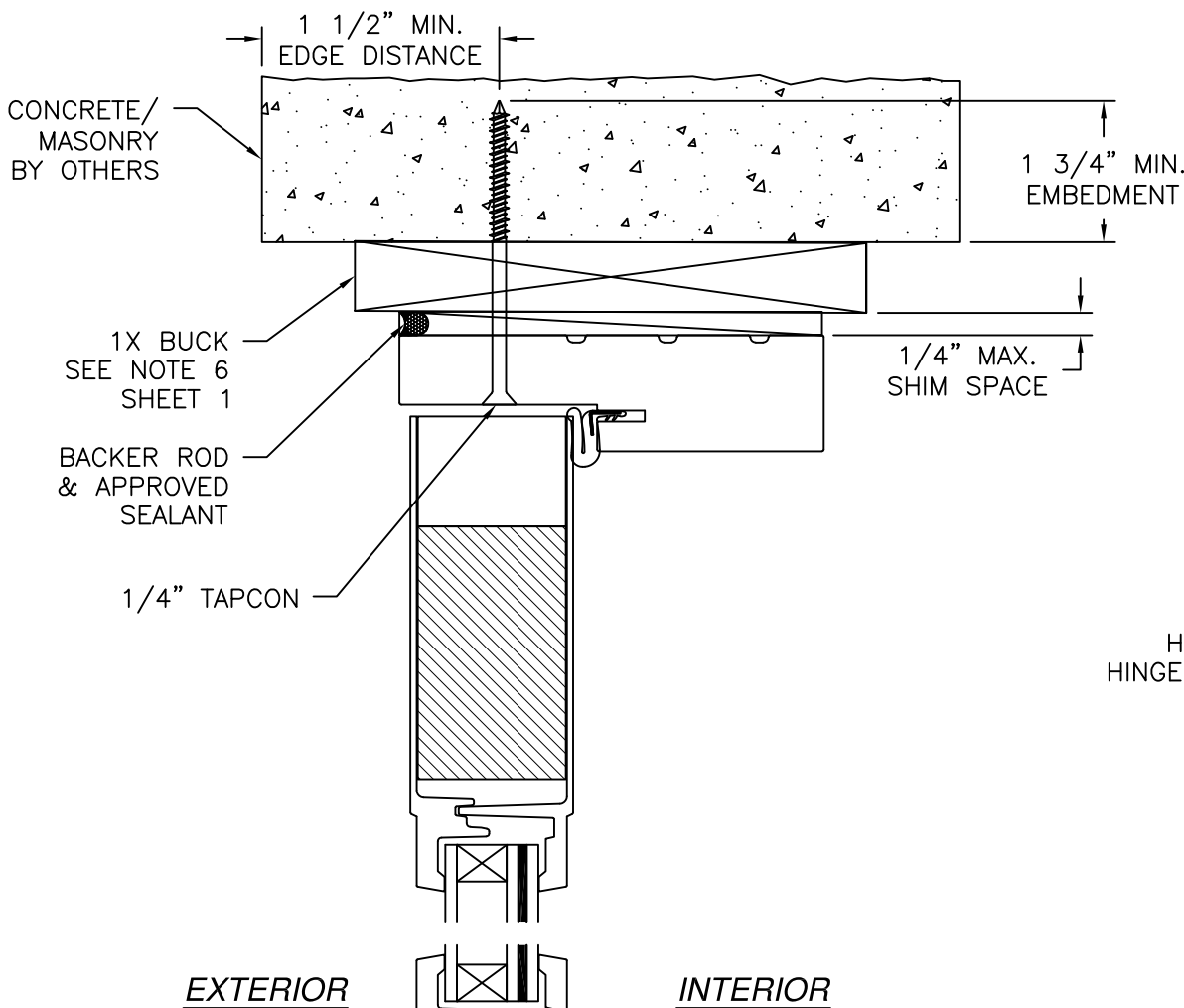
SIGNED: 07/10/2026

NAN YA PLASTICS CORPORATION U.S.A. 4016 SHADRACK ST. HOUSTON, TX 77013		
SLPS PATIO DOOR LITE 8'0 OUTSWING LARGE MISSILE IMPACT - HVHZ DOOR INSTALLATION DETAILS		
DRAWN: A.R.	DWG NO. 08-03323	REV H
SCALE NTS	DATE 09/27/18	SHEET 10 OF 23
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

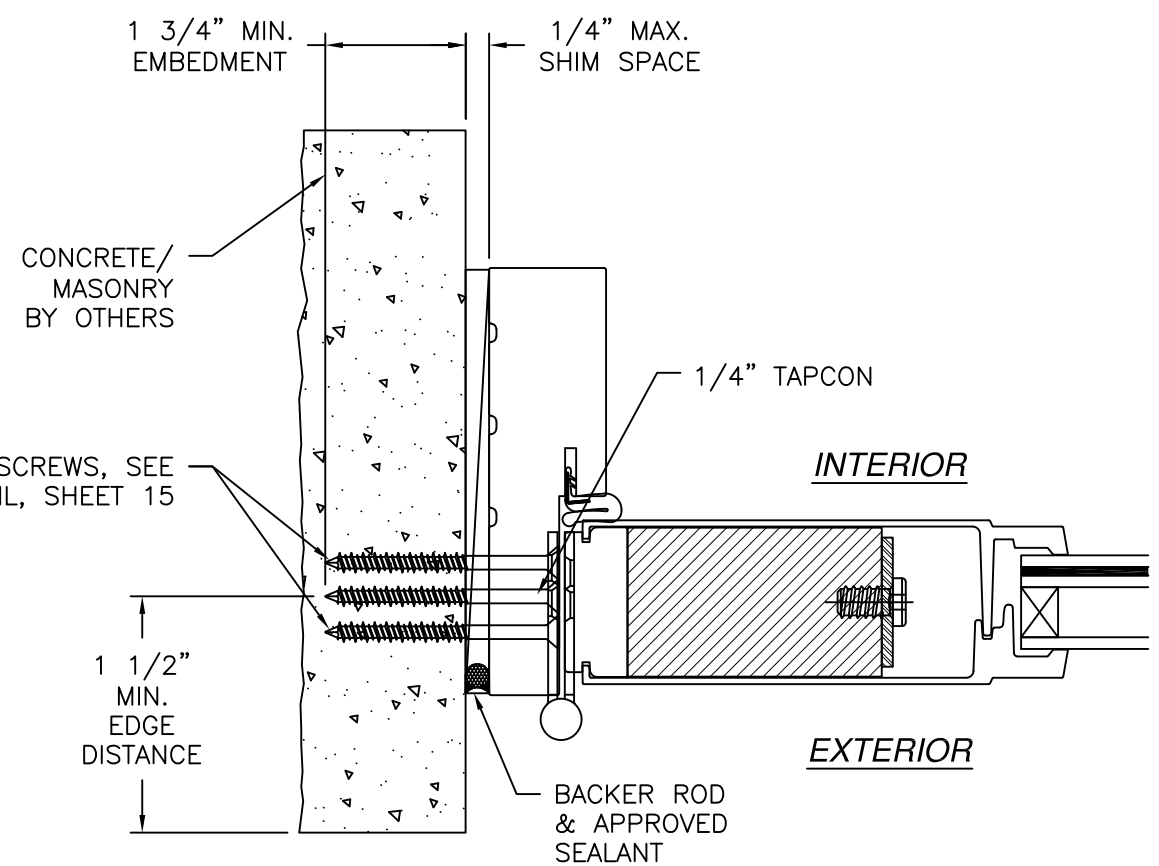
Professional Engineer Seal for Luis R. Lomas, State of Florida, License No. 62514.

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

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
H	REVISED MANUFACTURER ADDRESS	07/10/2026	R.L.



VERTICAL CROSS SECTION
 CONCRETE/MASONRY WITH 1X BUCK INSTALLATION
 FOR CONCRETE/MASONRY WITHOUT 1X BUCK REFER TO
 JAMB INSTALLATION DETAIL



JAMB INSTALLATION DETAIL
 CONCRETE/MASONRY WITHOUT 1X BUCK INSTALLATION
 FOR CONCRETE/MASONRY INSTALLATION WITH 1X BUCK REFER TO
 HEAD AND SILL INSTALLATION DETAILS

- 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.

4016 SHADRACK ST.
HOUSTON, TX 77013

SLPS PATIO DOOR LITE 8'0 OUTSWING
LARGE MISSILE IMPACT – HVHZ
DOOR INSTALLATION DETAILS

DRAWN:
A.R.

DWG NO.
08-03323

REV
H

SCALE
NTS

DATE
09/27/18

SHEET
11 OF 23

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

SIGNED: 07/10/2026

LUIS R. LOMAS

LICENS. M. S.

No. 62514

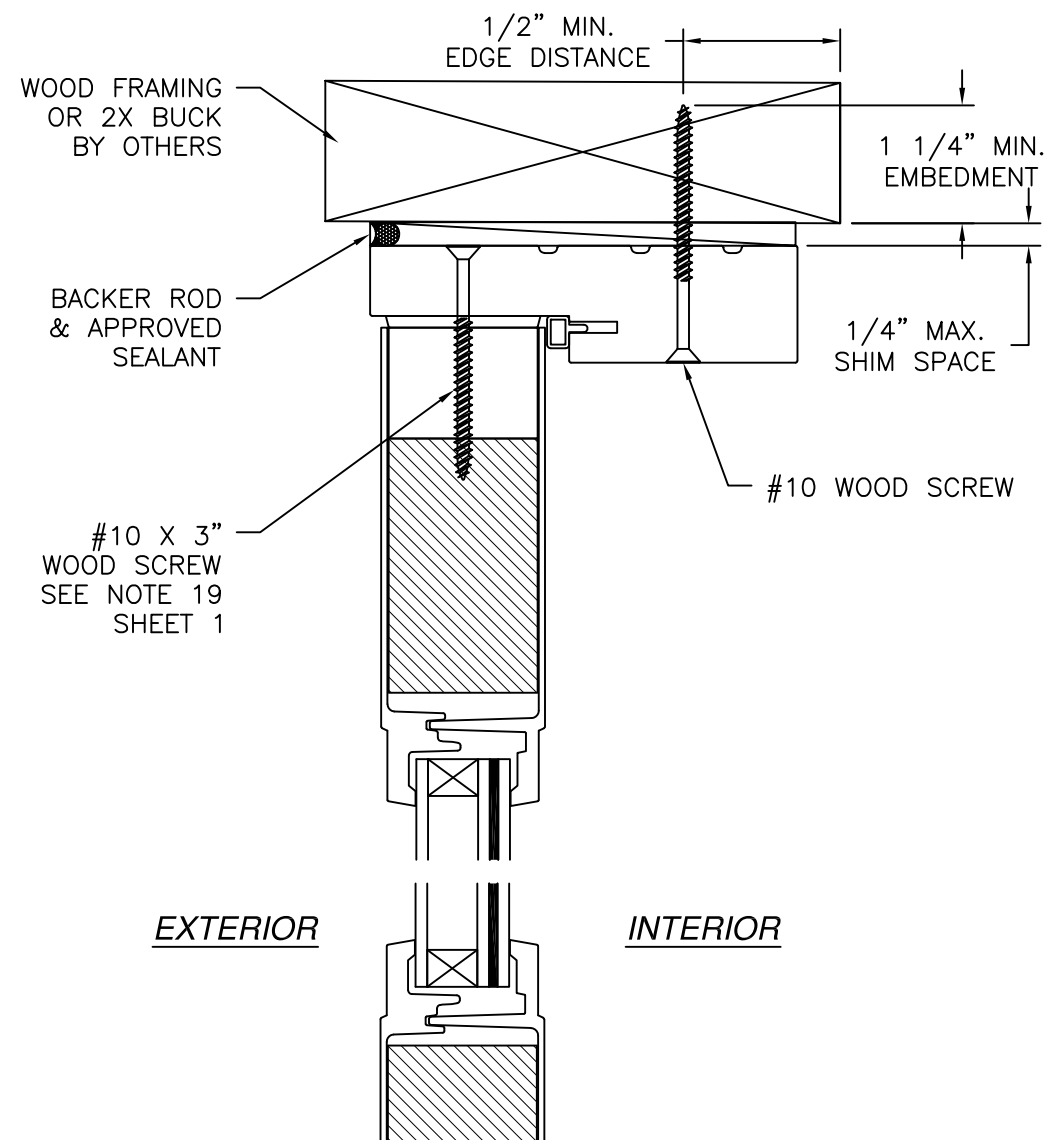
STATE OF

FLORIDA

PROFESSIONAL ENGINEER

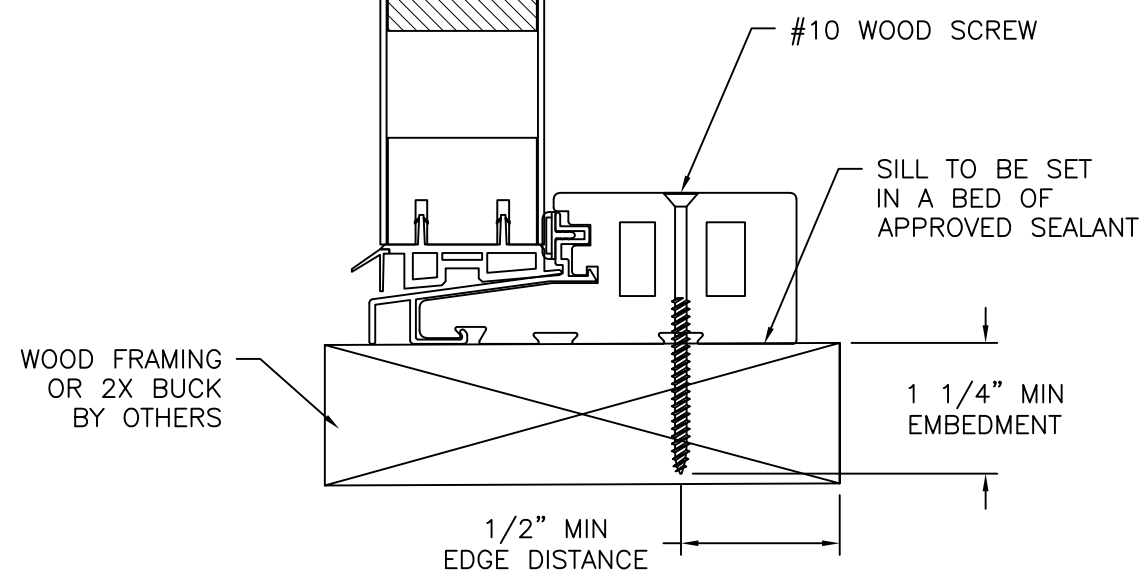
Luis R. Lomas P.E.

FL No.: 62514



EXTERIOR

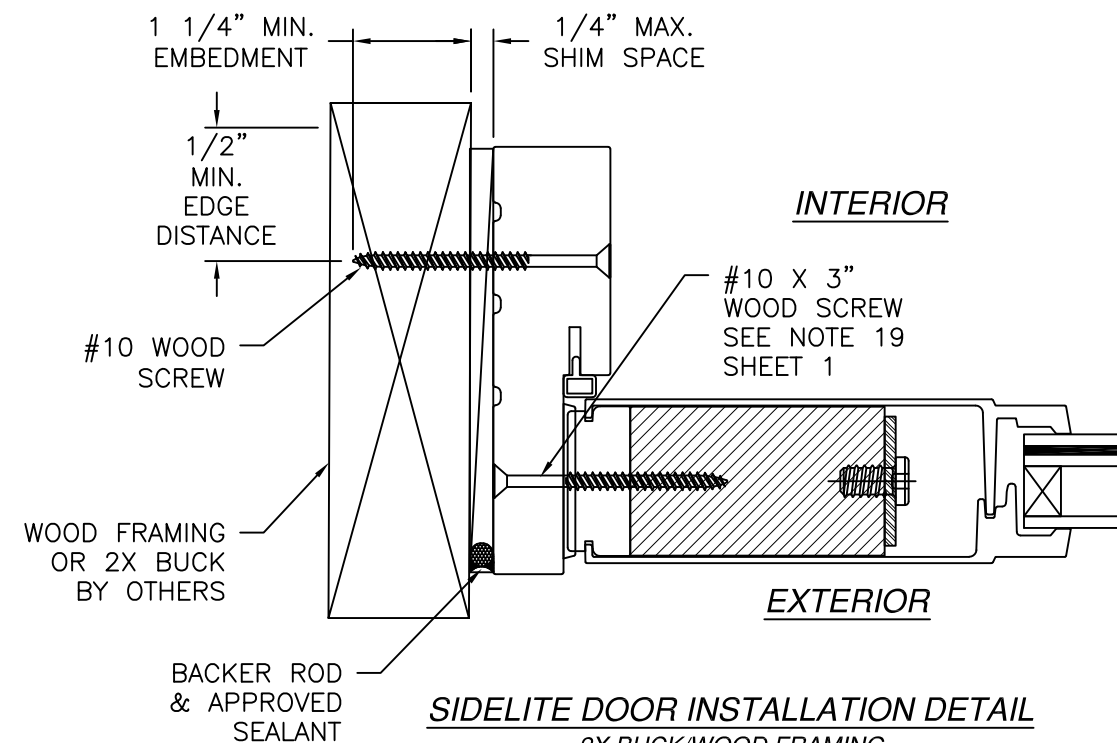
INTERIOR



SIDELITE DOOR INSTALLATION DETAIL

2X BUCK/WOOD FRAMING
STANDARD FRAME SHOWN, SOFT PVC FRAME SIMILAR
FULL LITE SHOWN. 3/4 & 1/2 LITE SIMILAR

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
H	REVISED MANUFACTURER ADDRESS	07/10/2026	R.L.



INTERIOR

EXTERIOR

SIDELITE DOOR INSTALLATION DETAIL
2X BUCK/WOOD FRAMING
STANDARD FRAME SHOWN, SOFT PVC FRAME 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: 07/10/2026

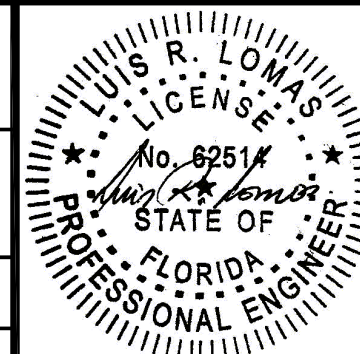
NAN YA PLASTICS CORPORATION U.S.A.

4016 SHADRACK ST.
HOUSTON, TX 77013

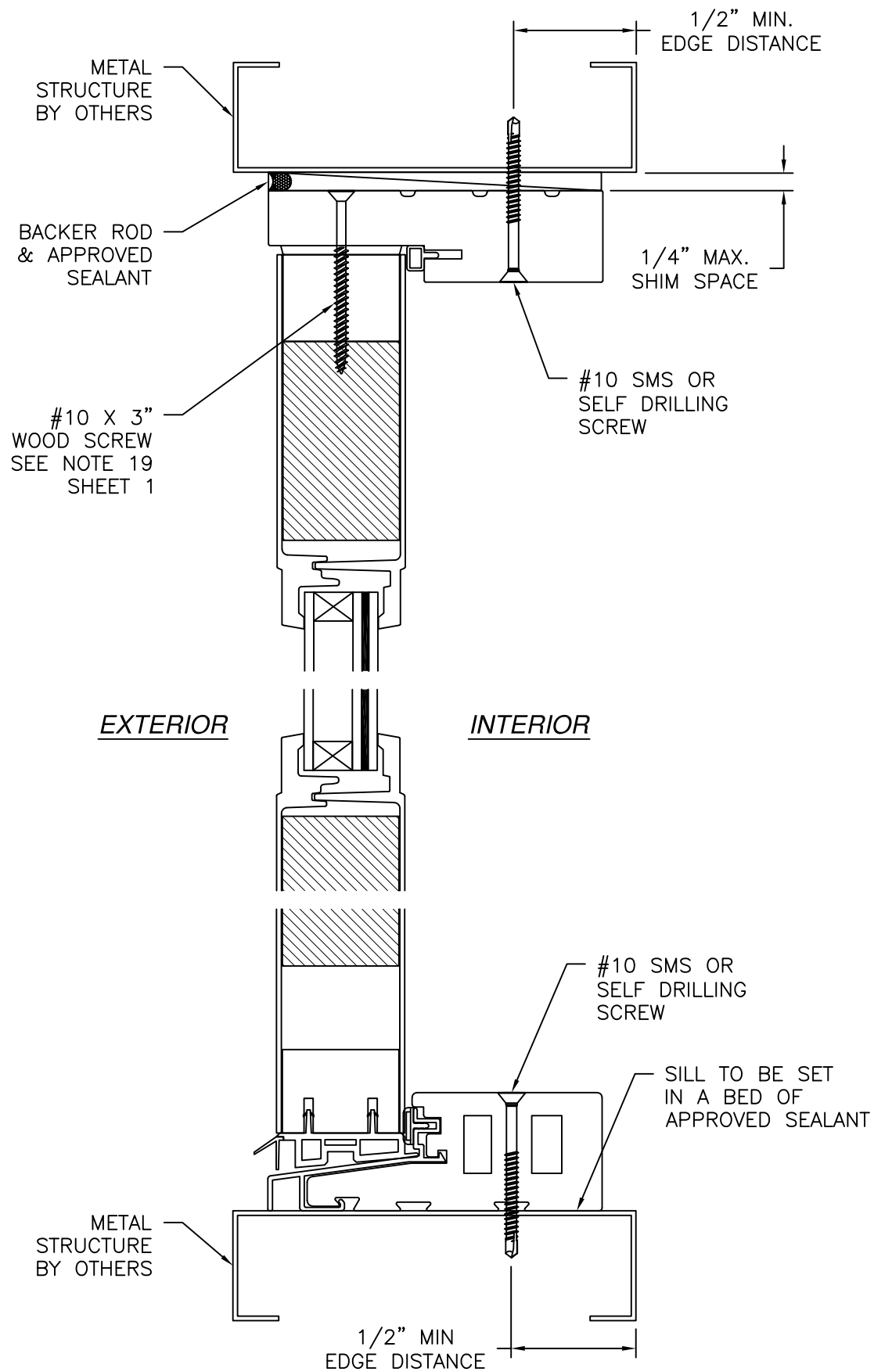
SLPS PATIO DOOR LITE 8'0 OUTSWING
LARGE MISSILE IMPACT - HVHZ
SIDELITE INSTALLATION DETAILS

DRAWN: A.R.	DWG NO. 08-03323	REV H
SCALE NTS	DATE 09/27/18	SHEET 12 OF 23

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

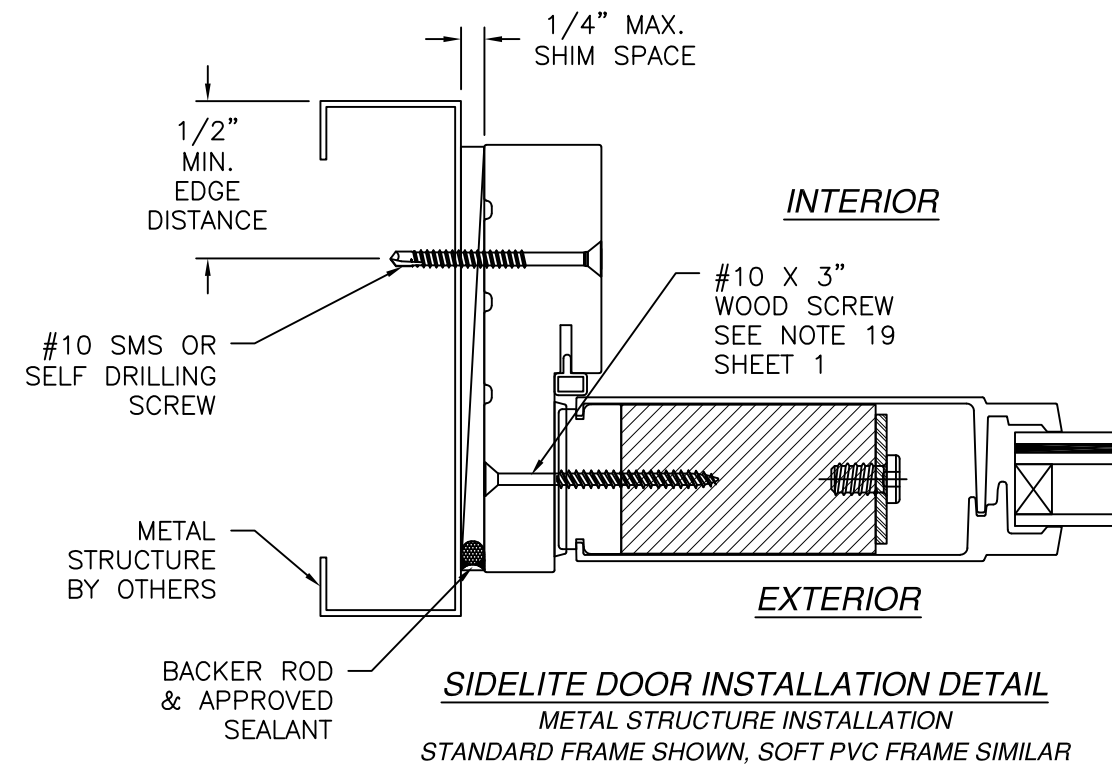


Luis R. Lomas P.E.
FL No.: 62514



SIDELITE DOOR INSTALLATION DETAIL
 METAL STRUCTURE INSTALLATION
 STANDARD FRAME SHOWN, SOFT PVC FRAME SIMILAR
 FULL LITE SHOWN. 3/4 & 1/2 LITE SIMILAR

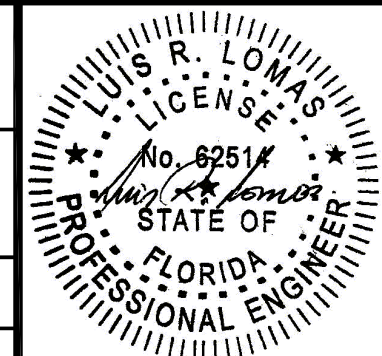
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
H	REVISED MANUFACTURER ADDRESS	07/10/2026	R.L.



- 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

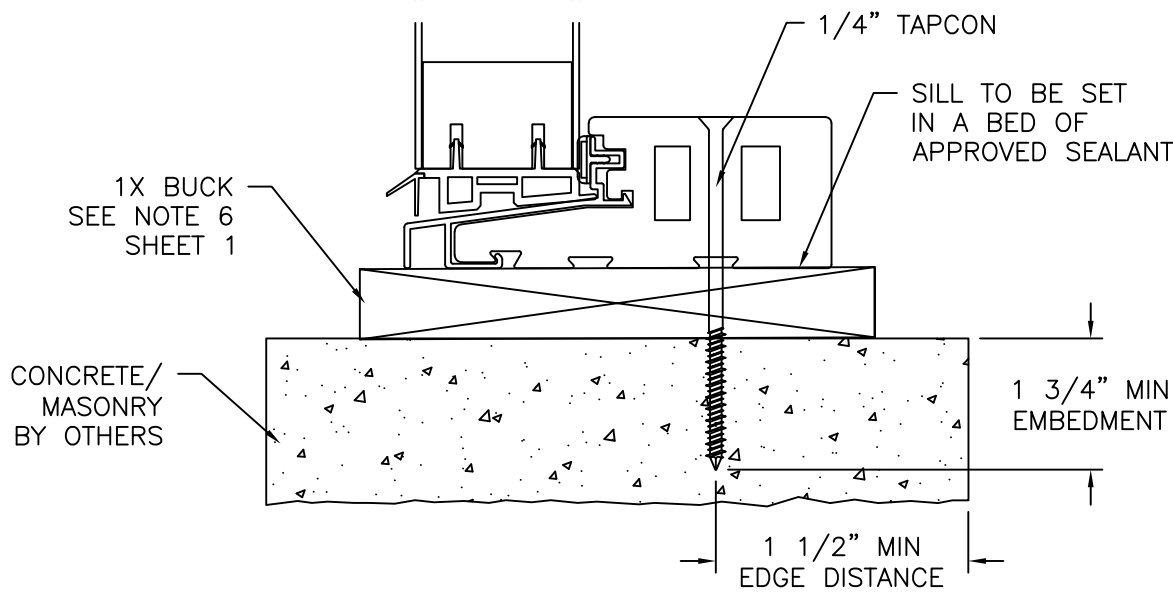
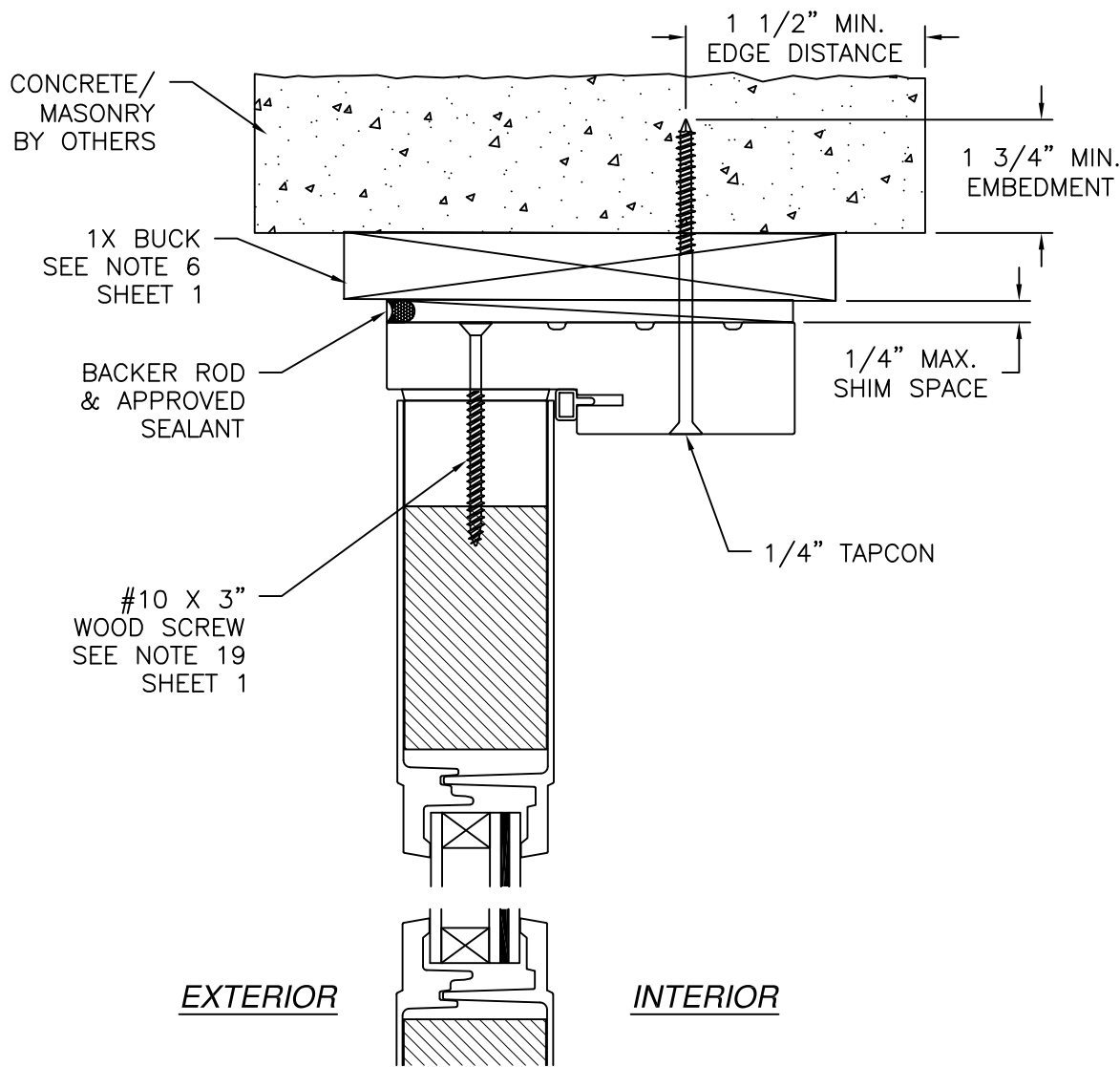
SIGNED: 07/10/2026

NAN YA PLASTICS CORPORATION U.S.A. 4016 SHADRACK ST. HOUSTON, TX 77013		
SLPS PATIO DOOR LITE 8'0 OUTSWING LARGE MISSILE IMPACT - HVHZ SIDELITE INSTALLATION DETAILS		
DRAWN: A.R.	DWG NO. 08-03323	REV H
SCALE NTS	DATE 09/27/18	SHEET 13 OF 23
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

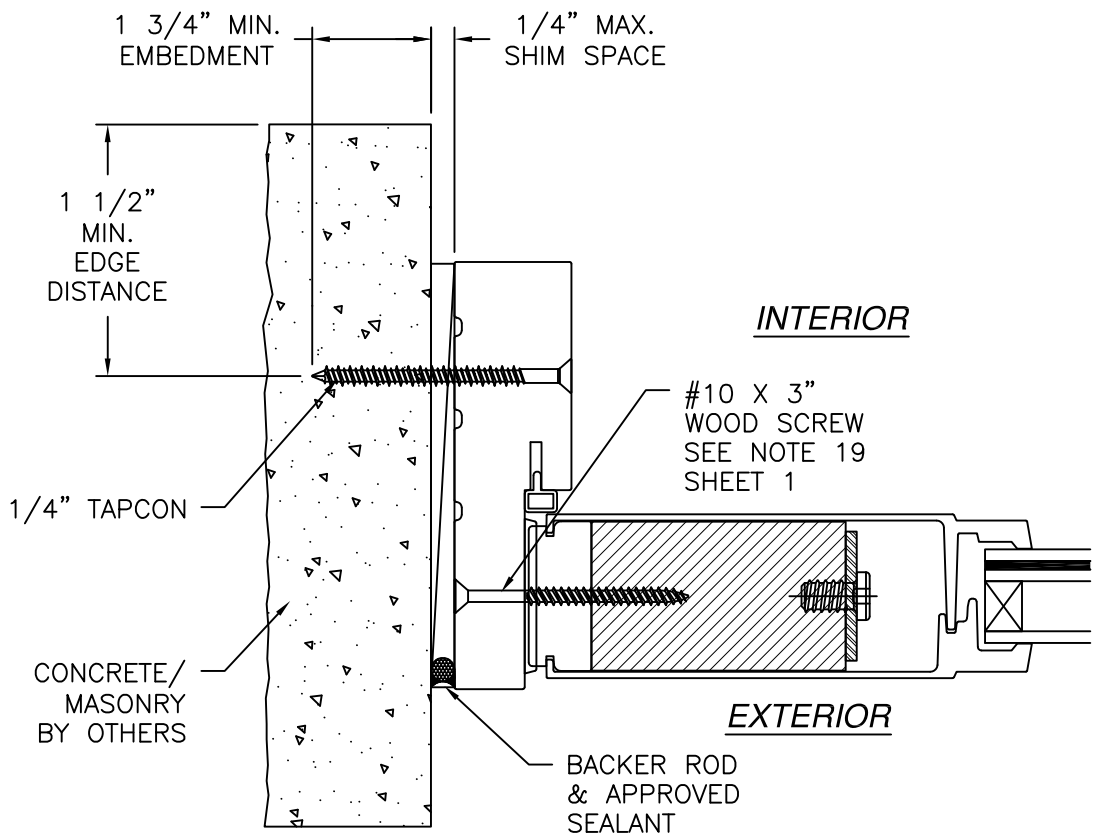


Luis R. Lomas P.E.
 FL No.: 62514

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
H	REVISED MANUFACTURER ADDRESS	07/10/2026	R.L.



VERTICAL CROSS SECTION
 CONCRETE/MASONRY WITH 1X BUCK INSTALLATION
 FOR CONCRETE/MASONRY WITHOUT 1X BUCK REFER TO
 JAMB INSTALLATION DETAIL



JAMB INSTALLATION DETAIL
 CONCRETE/MASONRY WITHOUT 1X BUCK INSTALLATION
 FOR CONCRETE/MASONRY INSTALLATION WITH 1X BUCK REFER TO
 HEAD AND SILL INSTALLATION DETAILS

- 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.

4016 SHADRACK ST.
HOUSTON, TX 77013

SLPS PATIO DOOR LITE 8'0 OUTSWING
LARGE MISSILE IMPACT – HVHZ
SIDELITE INSTALLATION DETAILS

DRAWN:
A.R.

DWG NO.
08-03323

REV
H

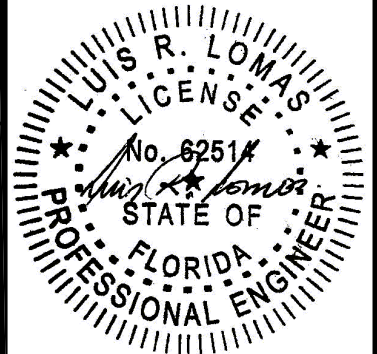
SCALE
NTS

DATE
09/27/18

SHEET
14 OF 23

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

SIGNED: 07/10/2026

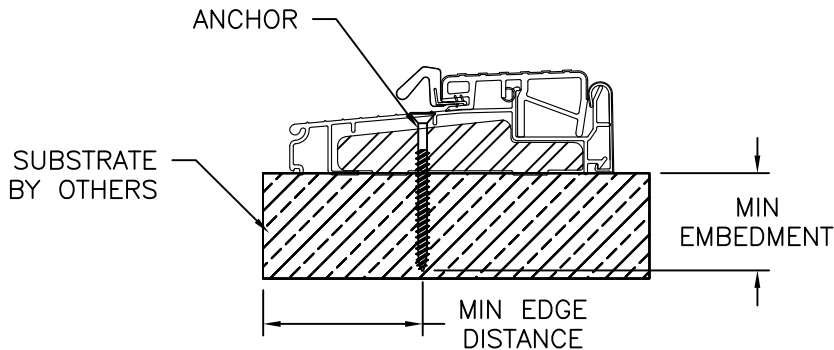


Luis R. Lomas P.E.
 FL No.: 62514

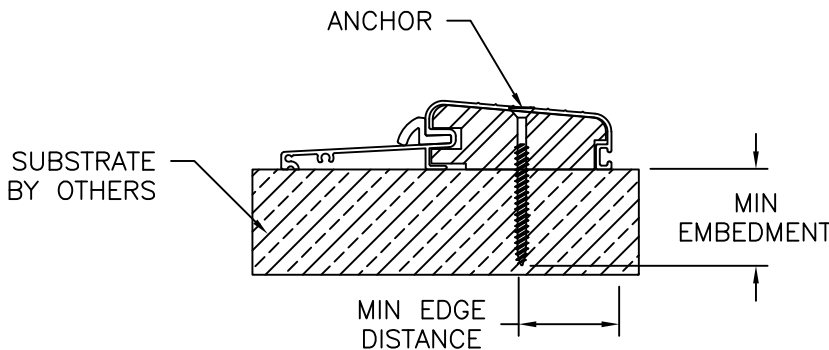
SILLS ANCHORS LOCATIONS

FOR ANCHOR TYPE, EMBEDMENT, EDGE DISTANCE AND SUBSTRATE REFER TO SHEETS 9 - 14
SILLS TO BE SET IN A BED OF APPROVED SEALANT

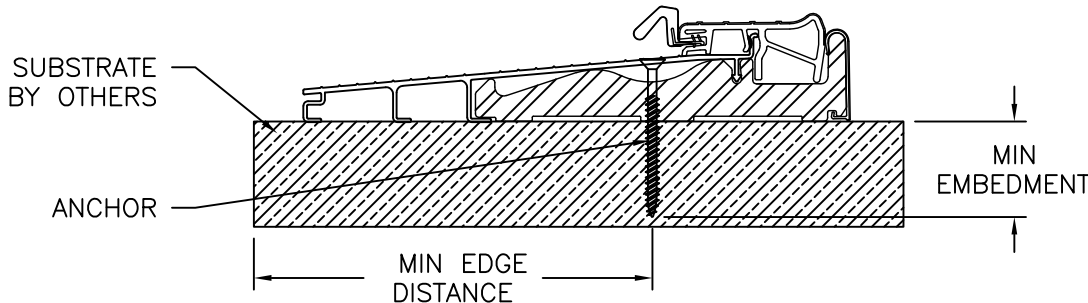
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
H	REVISED MANUFACTURER ADDRESS	07/10/2026	R.L.



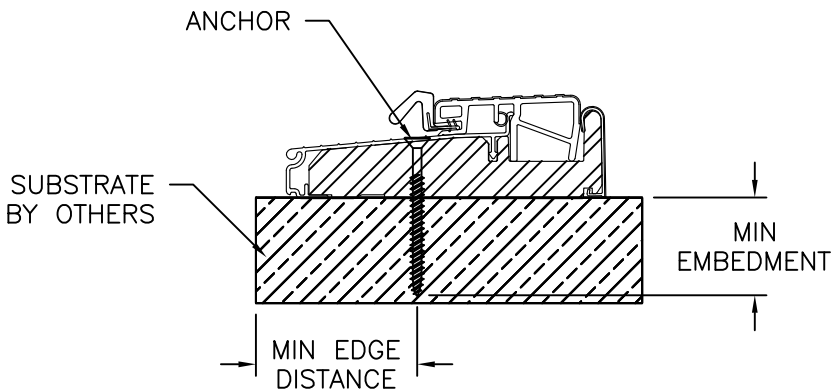
ENDURA THRESHOLD ZOBL4565



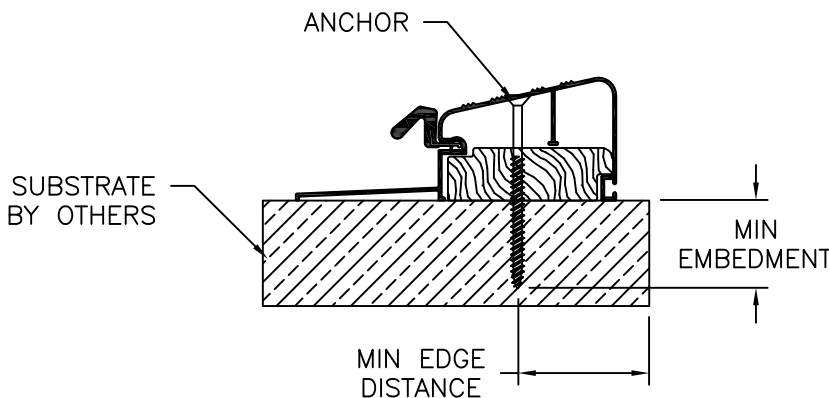
COLUMBIA THRESHOLD 575



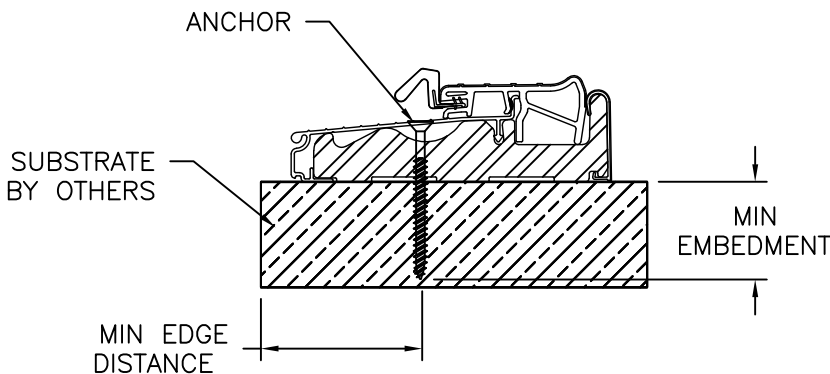
ENDURA THRESHOLD ZOBLH7815



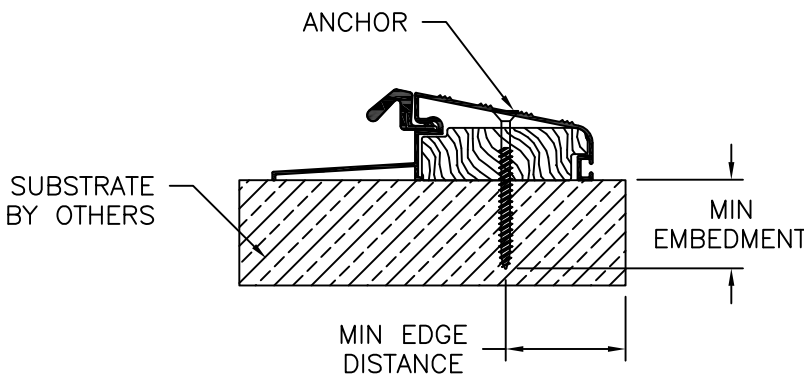
ENDURA THRESHOLD ZOB4565FN



DLP THRESHOLD QOSR



ENDURA THRESHOLD ZOBLH4565



DLP THRESHOLD QOSH

NAN YA PLASTICS CORPORATION U.S.A.

4016 SHADRACK ST.
HOUSTON, TX 77013

SLPS PATIO DOOR LITE 8'0 OUTSWING
LARGE MISSILE IMPACT - HVHZ
INSTALLATION DETAILS

DRAWN:

A.R.

DWG NO.

08-03323

REV

H

SCALE NTS

DATE

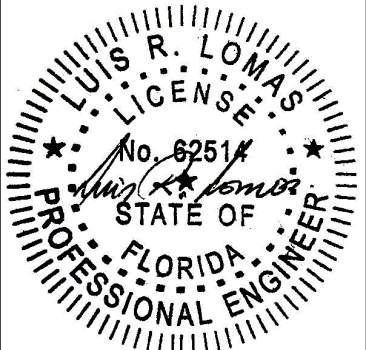
09/27/18

SHEET

15 OF 23

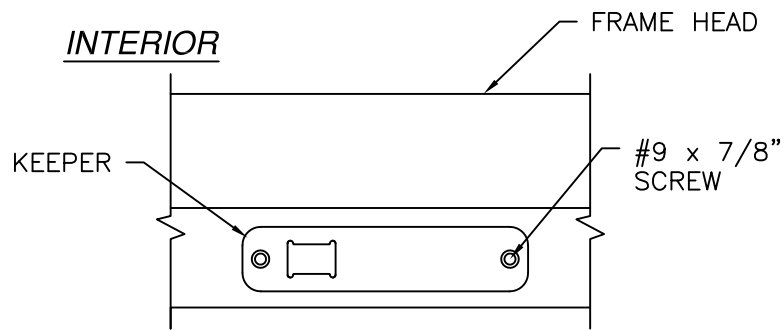
L. ROBERTO LOMAS P.E.
208 7th Ave, INDIALANTIC, FL 32903
434-688-0609 rllomas@lrlomaspe.com

SIGNED: 07/10/2026

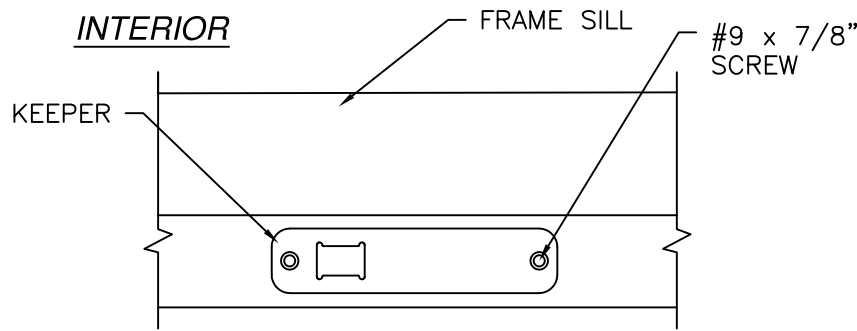


Luis R. Lomas P.E.
FL No.: 62514

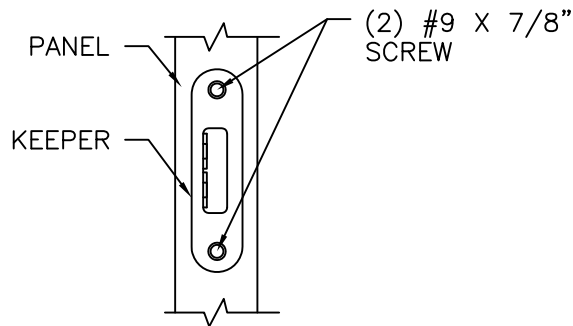
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
H	REVISED MANUFACTURER ADDRESS	07/10/2026	R.L.



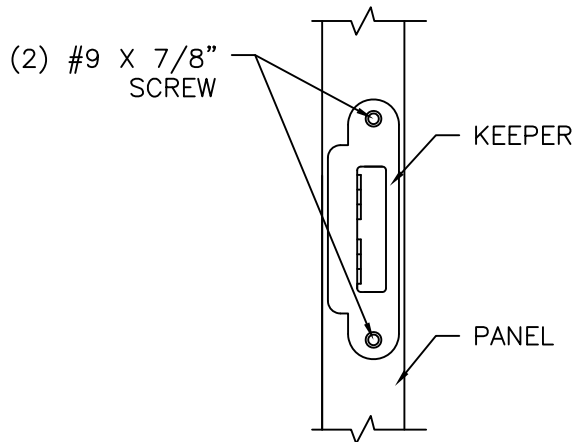
HEAD KEEPER DETAIL



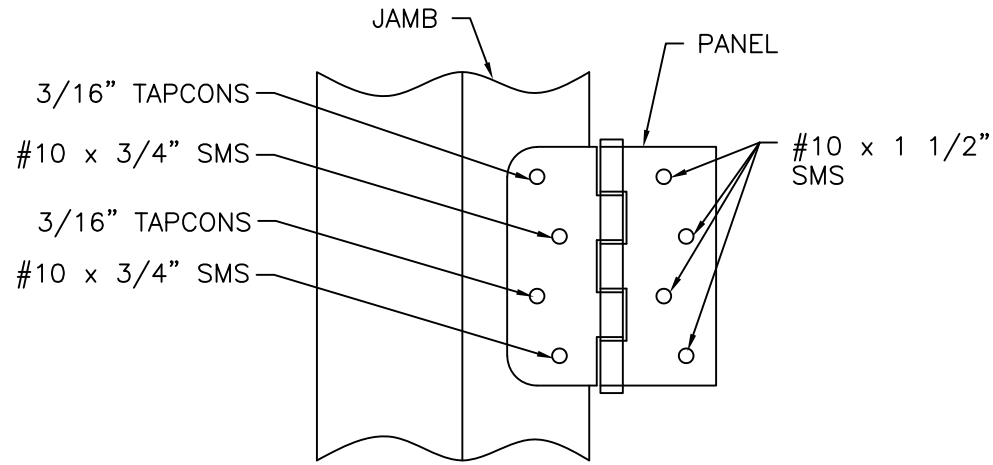
SILL KEEPER DETAIL



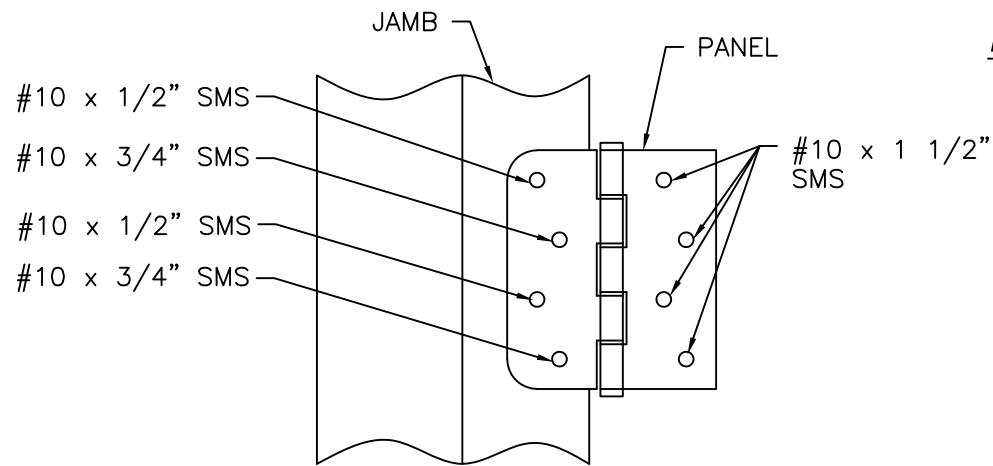
HOOK KEEPER DETAIL



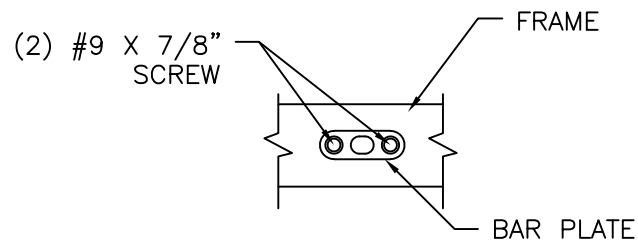
SLAB MULTI-POINT LOCK KEEPER DETAIL



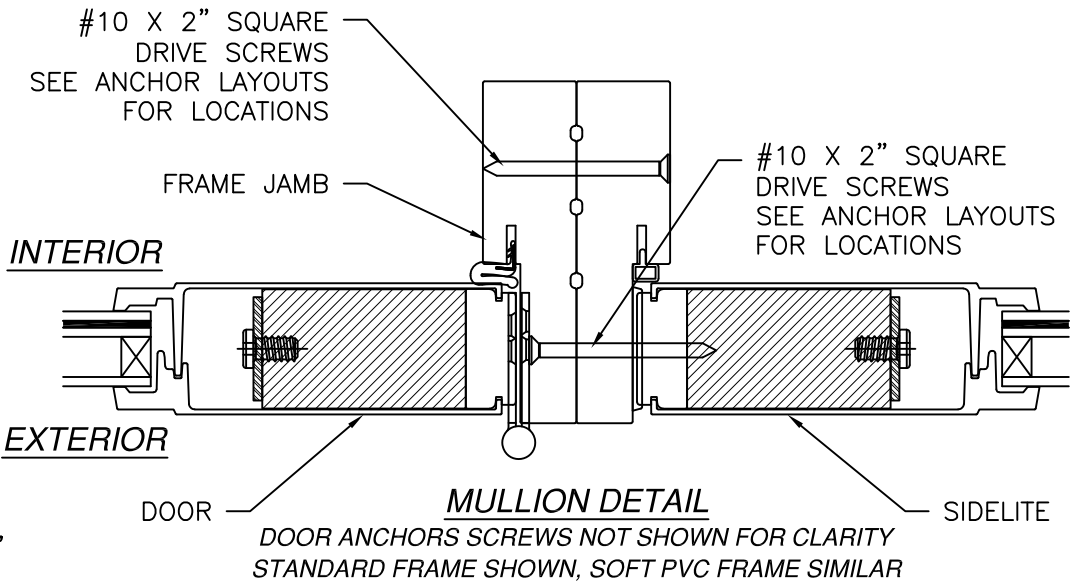
HINGE INSTALLATION DETAIL
MASONRY/CONCRETE INSTALLATION



HINGE INSTALLATION DETAIL
WOOD AND METAL INSTALLATION



DRIVE BAR PLATE DETAIL



MULLION DETAIL

DOOR ANCHORS SCREWS NOT SHOWN FOR CLARITY
STANDARD FRAME SHOWN, SOFT PVC FRAME SIMILAR

INTERIOR

EXTERIOR

DOOR

SIDELITE

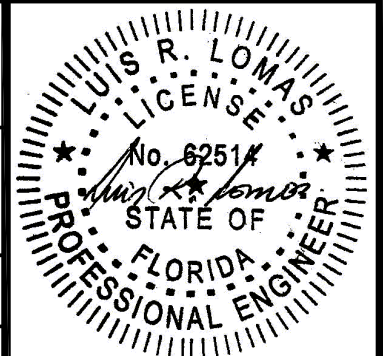
NAN YA PLASTICS CORPORATION U.S.A.
4016 SHADRACK ST.
HOUSTON, TX 77013

SLPS PATIO DOOR LITE 8'0 OUTSWING
LARGE MISSILE IMPACT – HVHZ
INSTALLATION DETAILS

DRAWN: A.R.	DWG NO. 08-03323	REV H
SCALE NTS	DATE 09/27/18	SHEET 16 OF 23

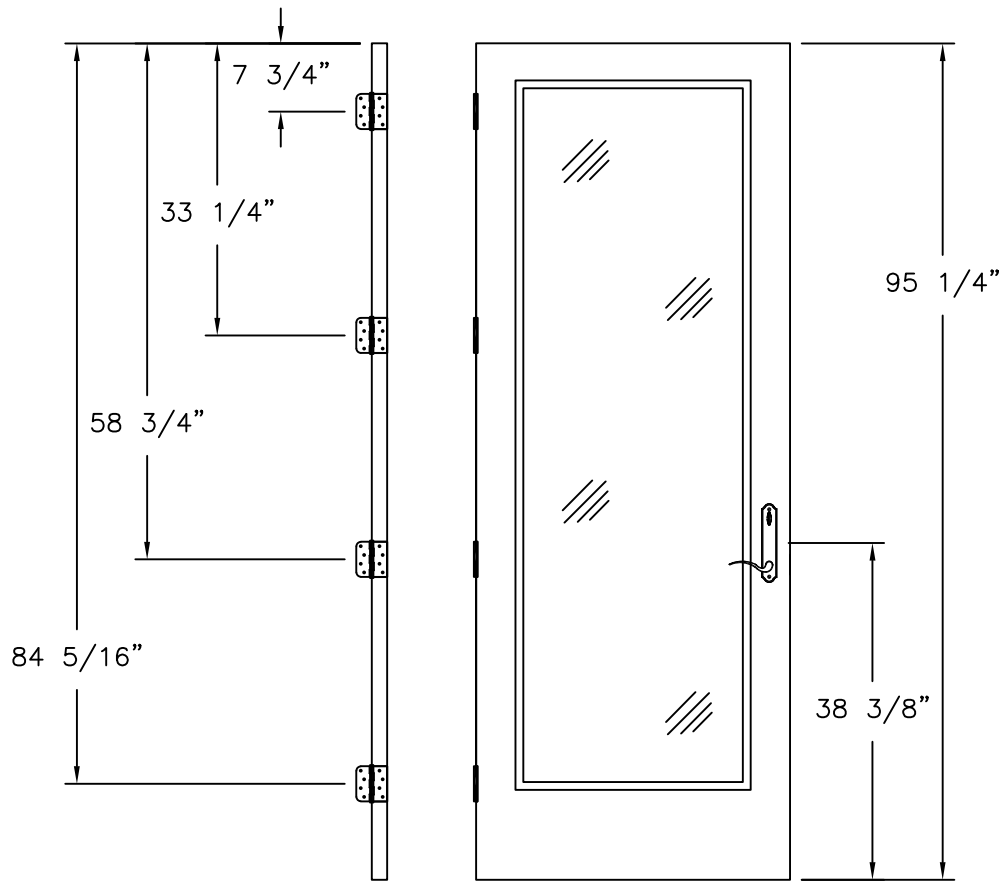
L. ROBERTO LOMAS P.E.
208 7th Ave, INDIALANTIC, FL 32903
434-688-0609 rllomas@lrlomaspe.com

SIGNED: 07/10/2026

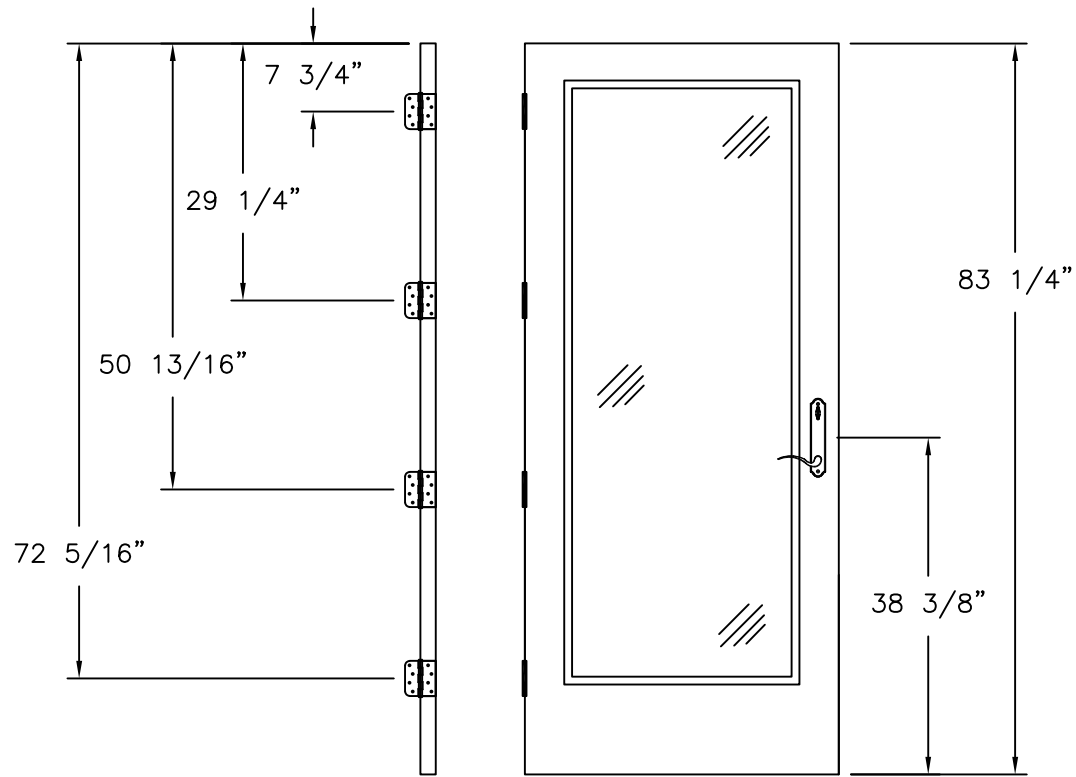


Luis R. Lomas P.E.
FL No.: 62514

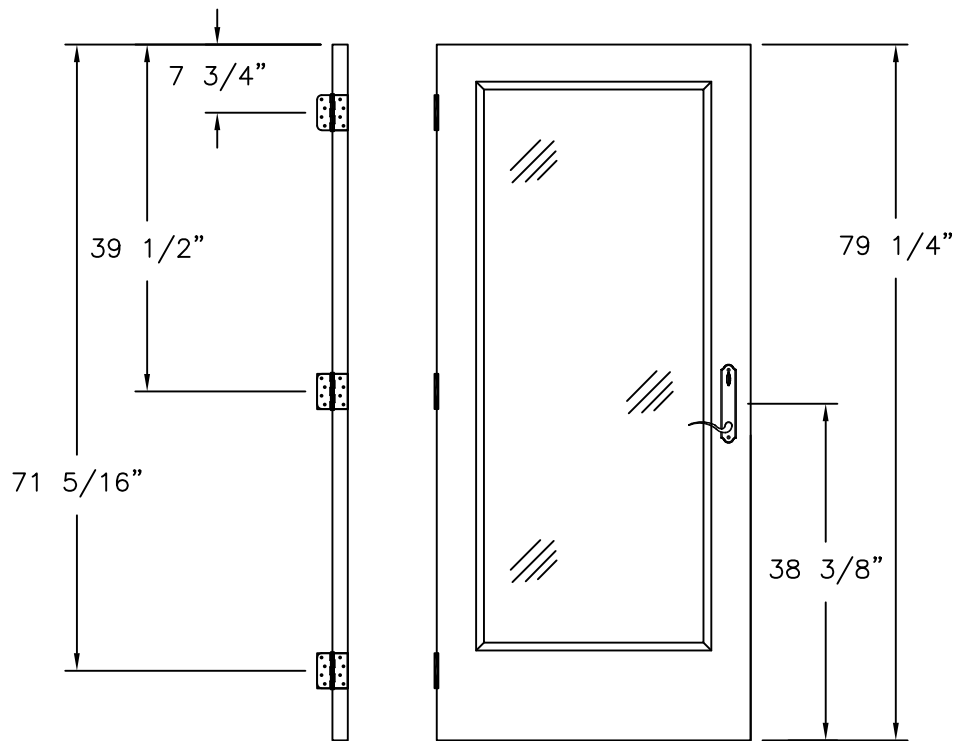
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
H	REVISED MANUFACTURER ADDRESS	07/10/2026	R.L.



LOCK AND HINGES LOCATIONS
8' UNIT, WITH HANDLE, FULL LITE, 3/4 AND 1/2 LITE PANELS



LOCK AND HINGES LOCATIONS
7' UNIT, WITH HANDLE, FULL LITE, 3/4 AND 1/2 LITE PANELS

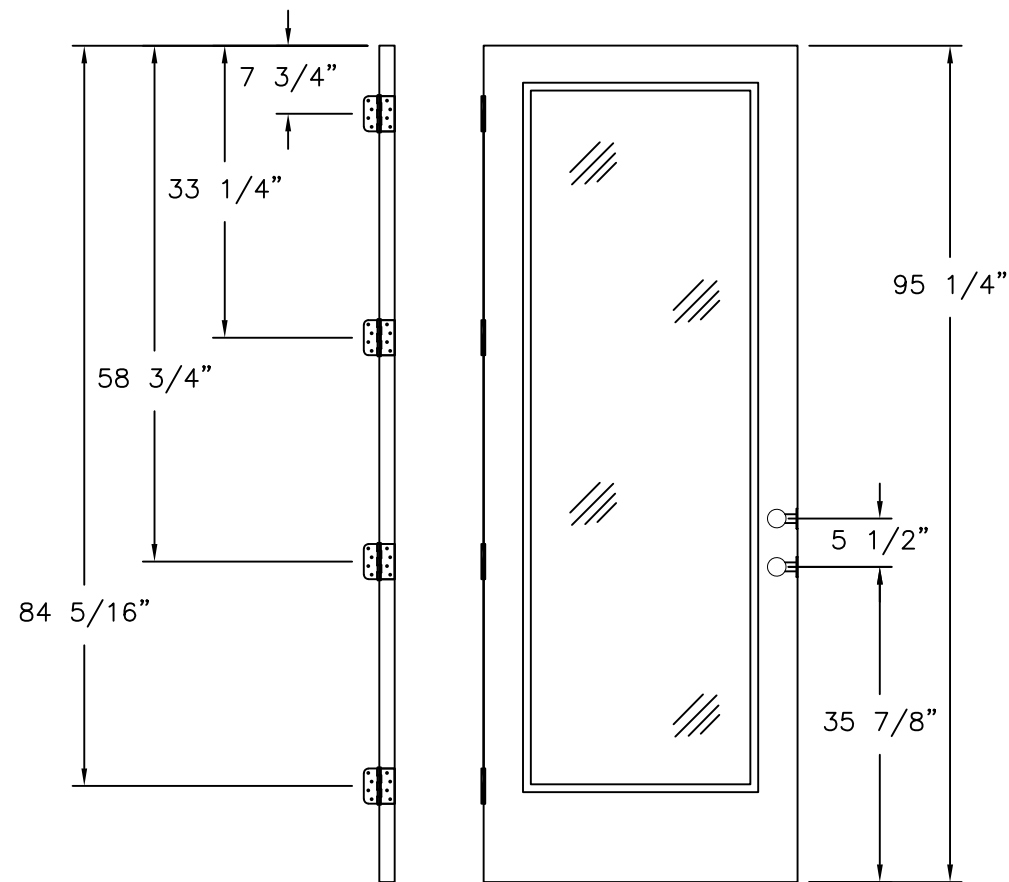


LOCK AND HINGES LOCATIONS
6'8" UNIT, WITH HANDLE, FULL LITE, 3/4 AND 1/2 LITE PANEL

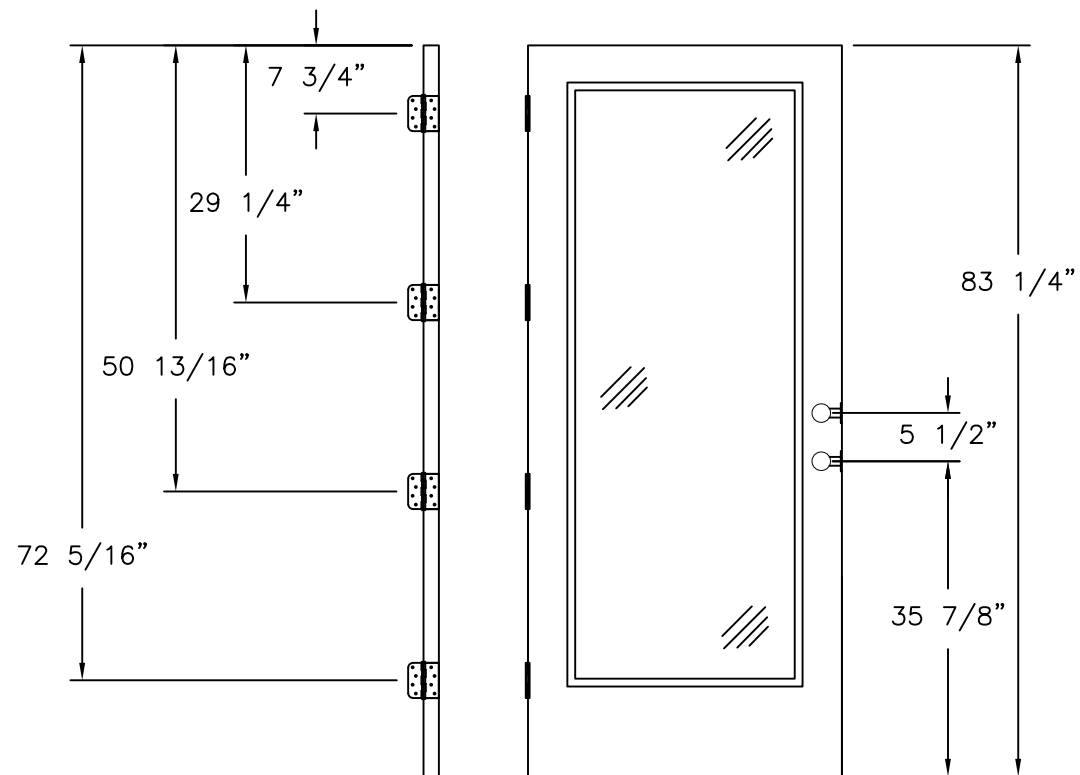
SIGNED: 07/10/2026

NAN YA PLASTICS CORPORATION U.S.A. 4016 SHADRACK ST. HOUSTON, TX 77013			
SLPS PATIO DOOR LITE 8'0 OUTSWING LARGE MISSILE IMPACT – HVHZ INSTALLATION DETAILS			
DRAWN: A.R.	DWG NO. 08-03323	REV H	
SCALE NTS	DATE 09/27/18	SHEET 17 OF 23	
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

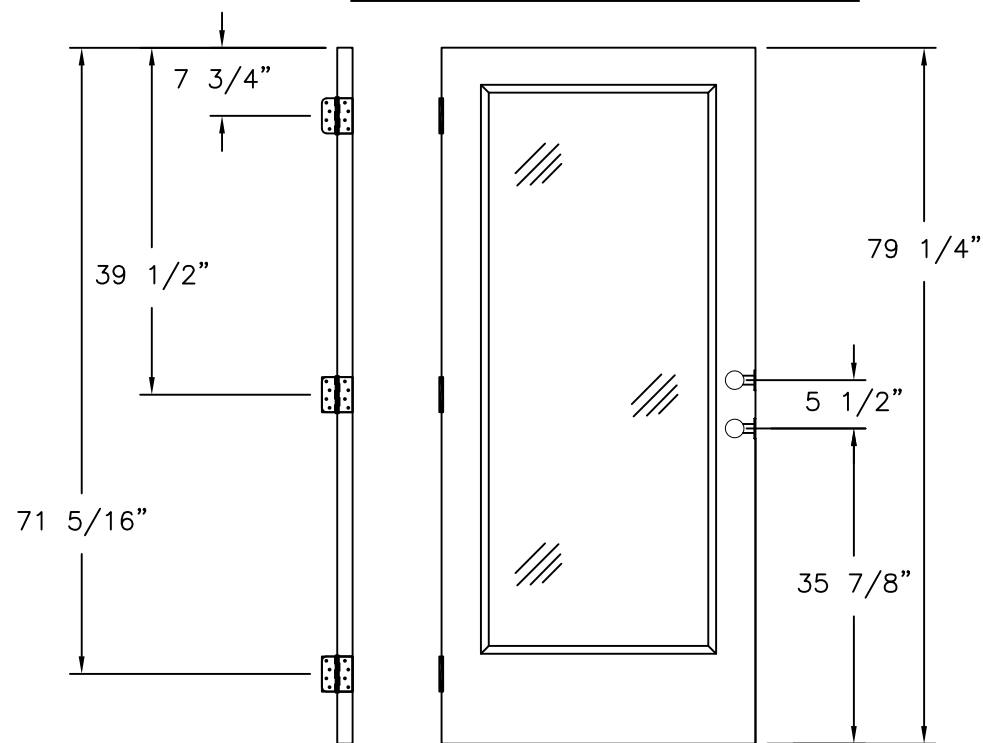
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
H	REVISED MANUFACTURER ADDRESS	07/10/2026	R.L.



LOCK AND HINGES LOCATIONS
8' UNIT, WITH LATCH AND DEADBOLT,
FULL LITE AND 3/4 LITE PANELS



LOCK AND HINGES LOCATIONS
7' UNIT, WITH LATCH AND DEADBOLT,
FULL LITE AND 3/4 LITE PANELS



LOCK AND HINGES LOCATIONS
6'8" UNIT, WITH LATCH AND DEADBOLT,
FULL LITE AND 3/4 LITE PANELS

SIGNED: 07/10/2026

NAN YA PLASTICS CORPORATION U.S.A.

4016 SHADRACK ST.
HOUSTON, TX 77013

SLPS PATIO DOOR LITE 8'0 OUTSWING
LARGE MISSILE IMPACT - HVHZ
INSTALLATION DETAILS

DRAWN:
A.R.

DWG NO.

08-03323

REV
H

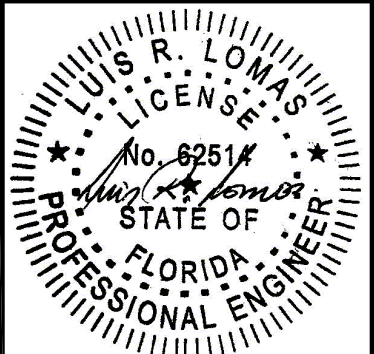
SCALE NTS

DATE

09/27/18

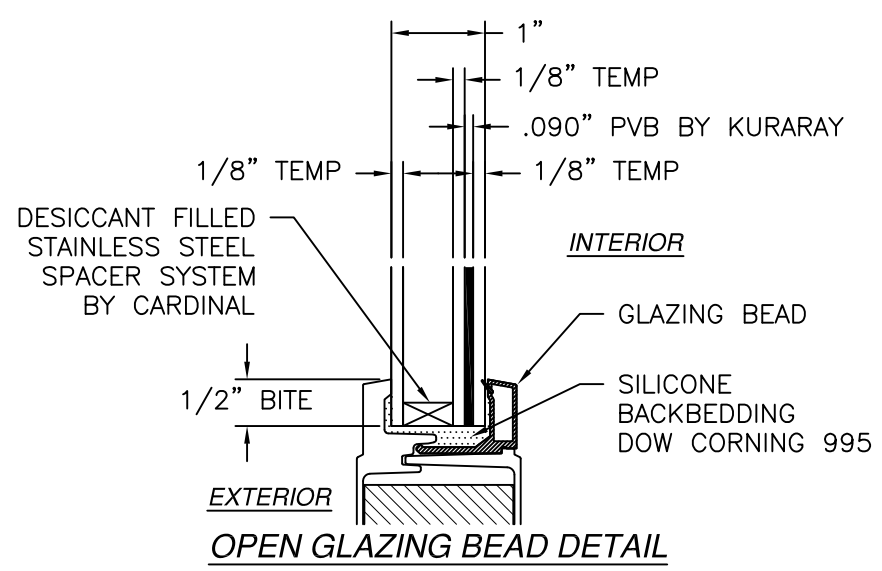
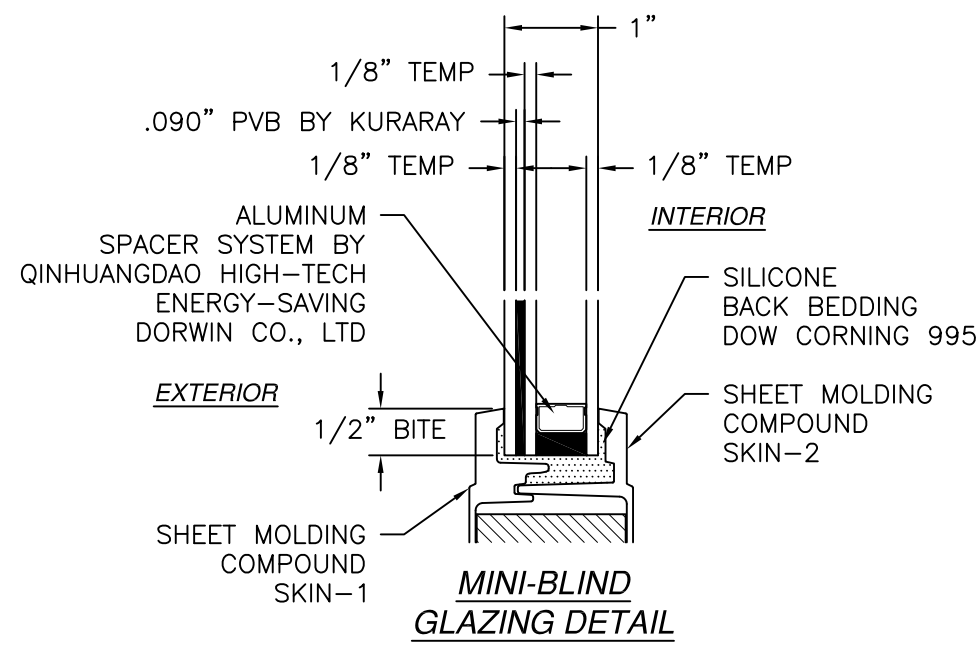
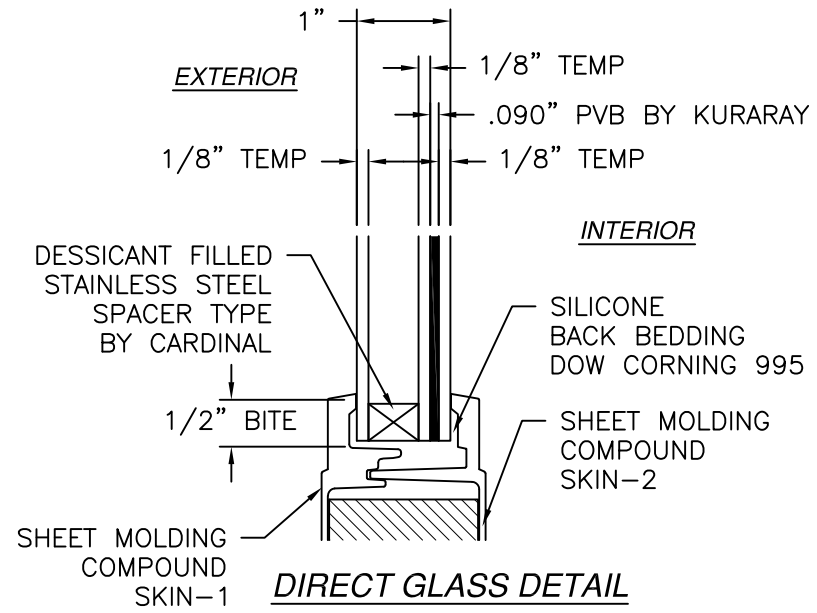
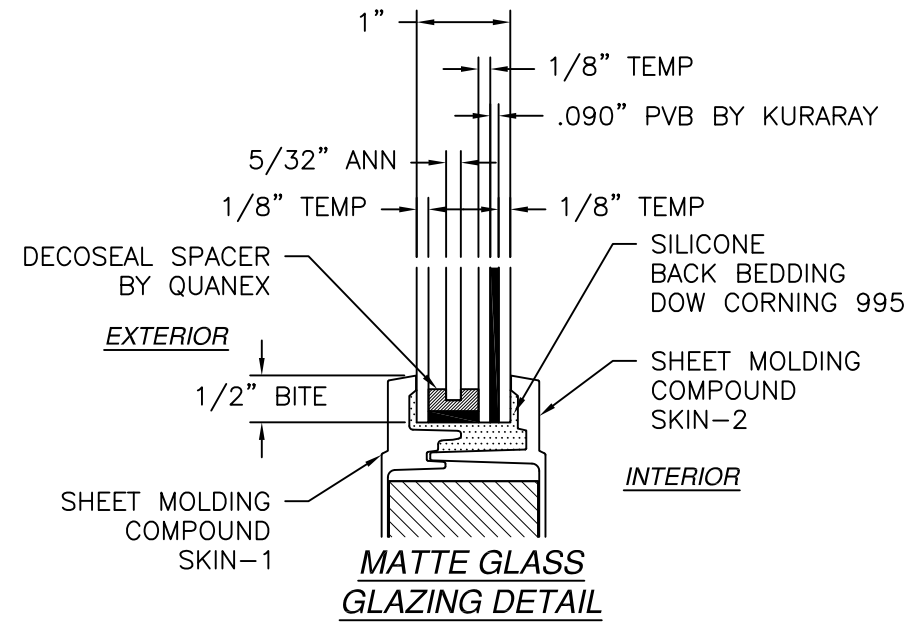
SHEET 18 OF 23

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
H	REVISED MANUFACTURER ADDRESS	07/10/2026	R.L.



NAN YA PLASTICS CORPORATION U.S.A.
4016 SHADRACK ST.
HOUSTON, TX 77013

SLPS PATIO DOOR LITE 8'0 OUTSWING
LARGE MISSILE IMPACT – HVHZ
GLAZING DETAILS

DRAWN:
A.R.

DWG NO.
08-03323

REV
H

SCALE NTS

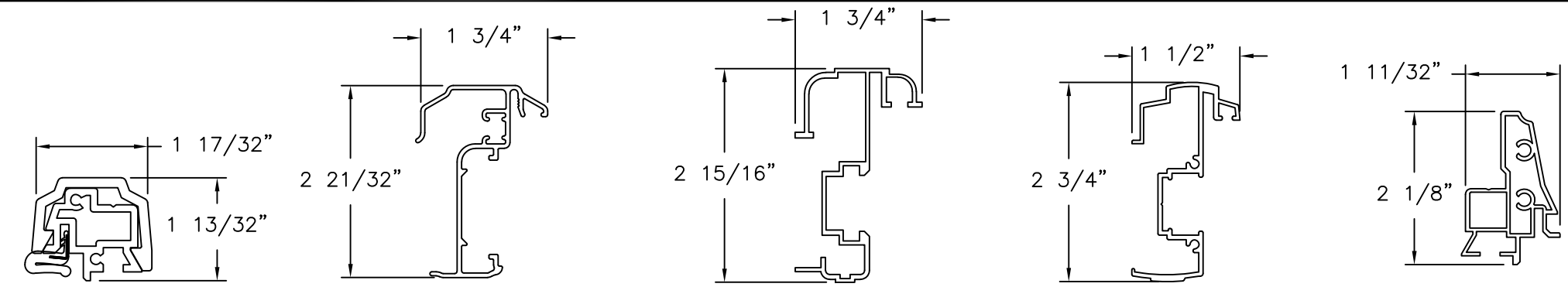
DATE 09/27/18

SHEET 19 OF 23

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

SIGNED: 07/10/2026

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



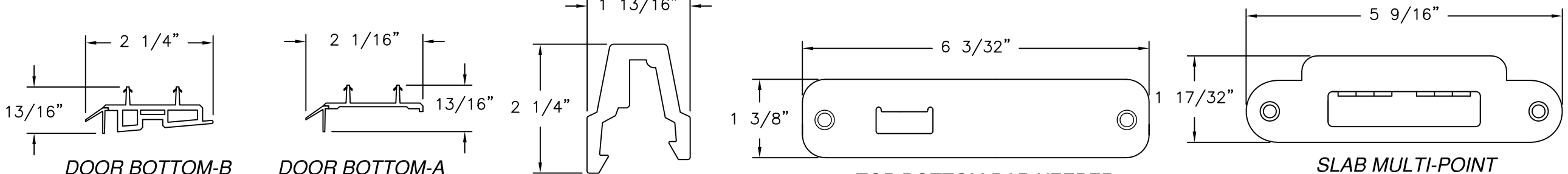
T-ASTRAGAL
RIGID PVC

ENDURA ULTIMATE PUSH BUTTON ASTRAGAL
ALTERNATE

DLP ASTRAGAL
ALTERNATE

COLUMBIA T-ASTRAGAL
.060" THICKNESS, ALUMINUM 6063-T5
ALTERNATE

REINFORCEMENT (B)
ALUMINUM



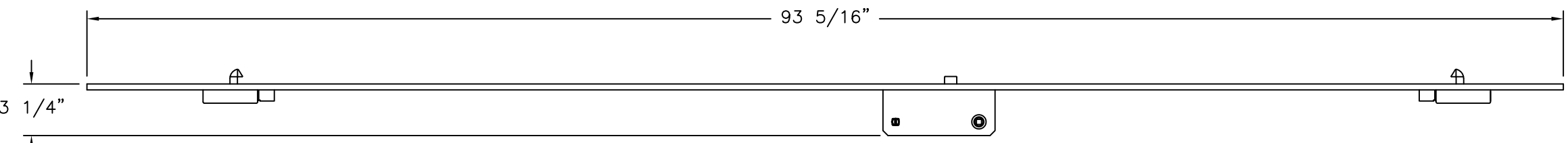
DOOR BOTTOM-B
PVC CO-EX

DOOR BOTTOM-A
PVC CO-EX

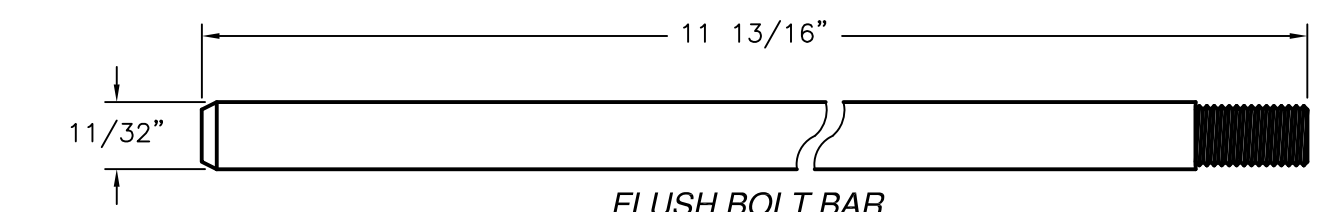
MULLION COVER (B)
FOAM PVC

TOP/BOTTOM BAR KEEPER
STAINLESS STEEL (SS92H)

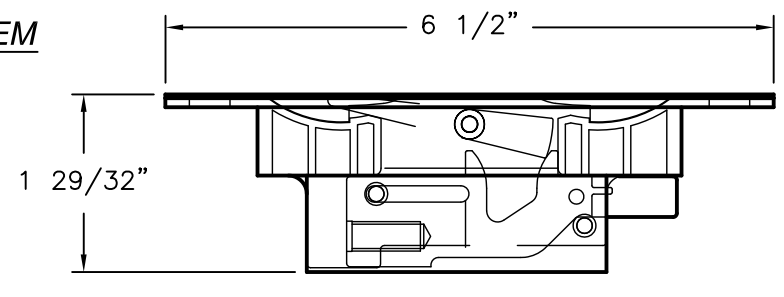
SLAB MULTI-POINT LOCK KEEPER
STEEL



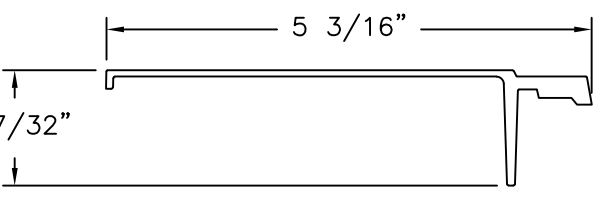
MULTI-POINT LOCKING SYSTEM
STAINLESS STEEL (SS930)



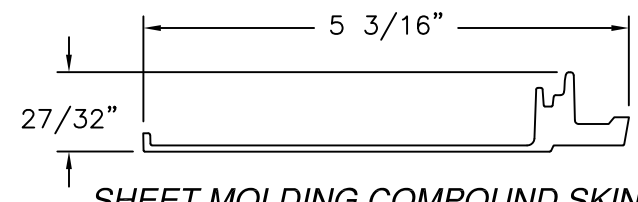
FLUSH BOLT BAR
STAINLESS STEEL (SS93B)



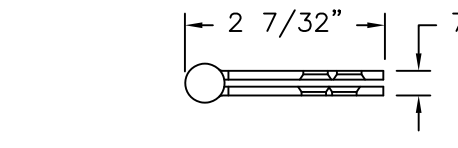
FLUSH BOLT MECHANISM
DIE CAST, STEEL, POM (SS93X BY MICOTA TECH)



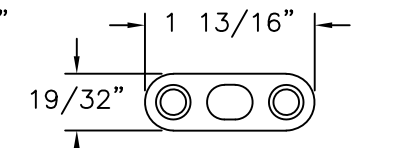
SHEET MOLDING COMPOUND SKIN-1
FIBERGLASS



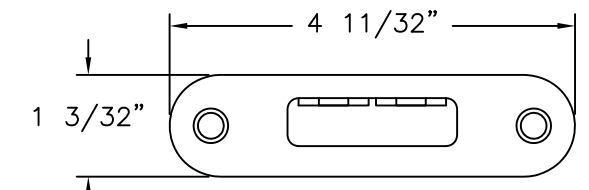
SHEET MOLDING COMPOUND SKIN-2
FIBERGLASS



4" X 4" DOOR HINGE
STEEL

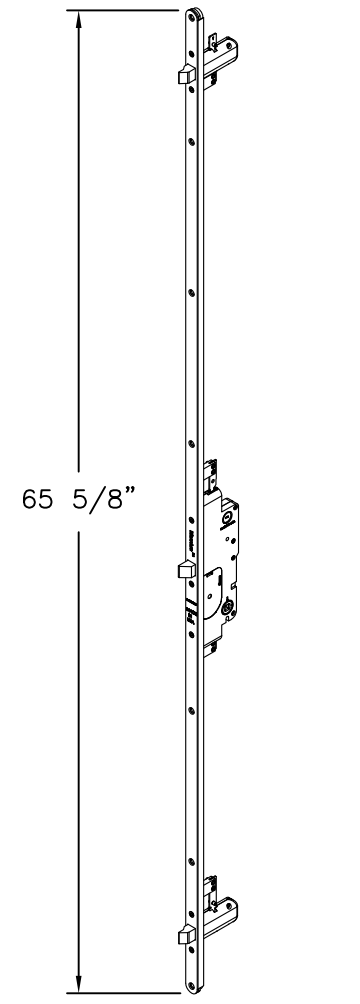


DRIVE BAR PLATE
STAINLESS STEEL



HOOK KEEPER
STAINLESS STEEL (SS92G)

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
H	REVISED MANUFACTURER ADDRESS	07/10/2026	R.L.



TRILENNIUM 3000

NAN YA PLASTICS CORPORATION U.S.A.
4016 SHADRACK ST.
HOUSTON, TX 77013

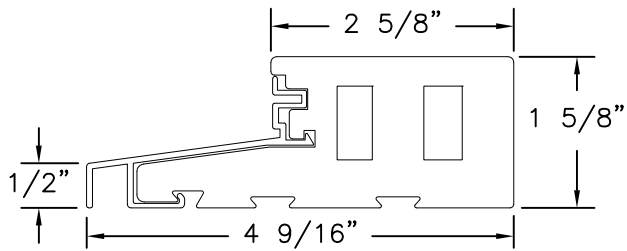
SLPS PATIO DOOR LITE 8'0 OUTSWING
LARGE MISSILE IMPACT - HVHZ
COMPONENTS

DRAWN: A.R.	DWG NO. 08-03323	REV H
SCALE NTS	DATE 09/27/18	SHEET 20 OF 23

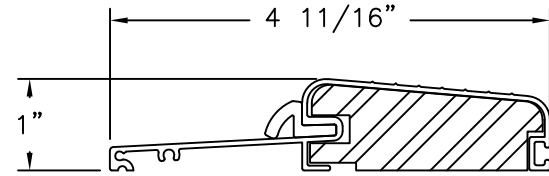
L. ROBERTO LOMAS P.E.
208 7th Ave, INDIALANTIC, FL 32903
434-688-0609 rllomas@lrlomaspe.com

SIGNED: 07/10/2026

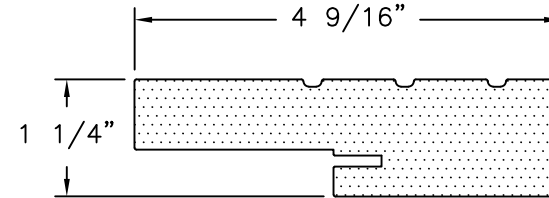
Luis R. Lomas P.E.
FL No.: 62514



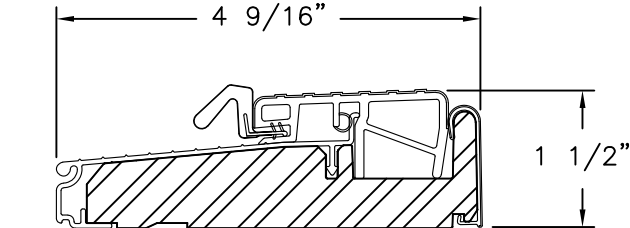
DOOR SILL
FOAM PVC CO-EX & ALUMINUM



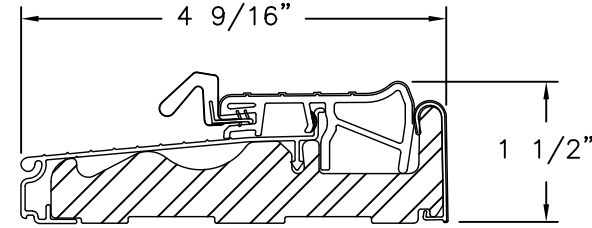
COLUMBIA THRESHOLD 575
ALTERNATE



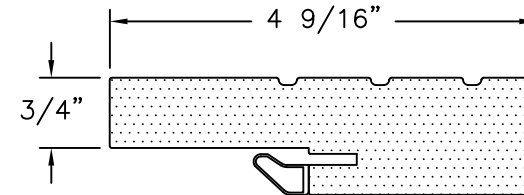
FRAME STANDARD
COMPOSITE



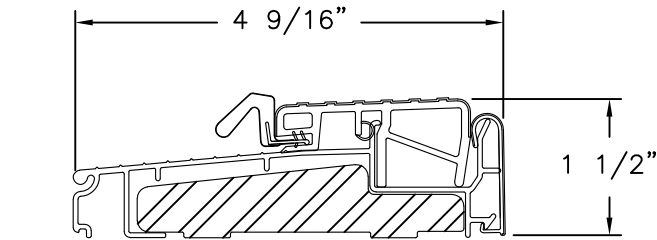
ENDURA THRESHOLD ZOB4565FN
ALTERNATE



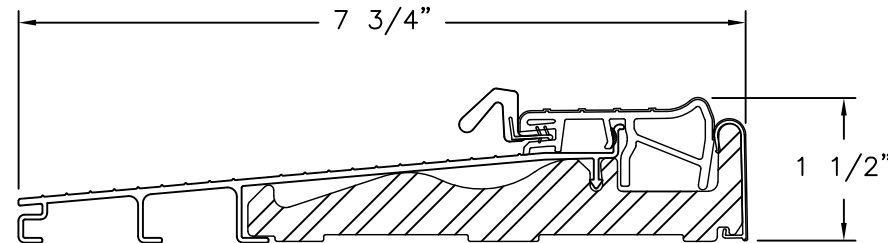
ENDURA THRESHOLD ZOBLH4565
ALTERNATE



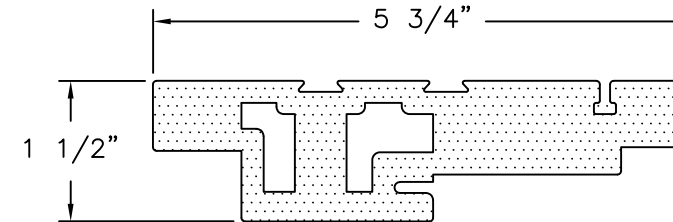
FRAME SOFT PVC
FOAM PVC CO-EX



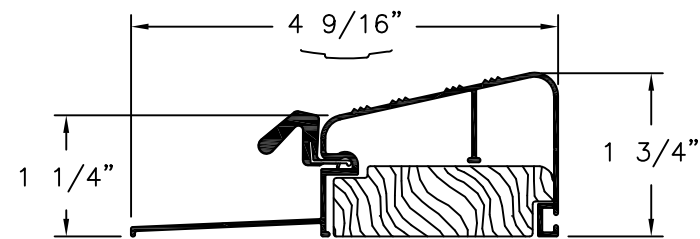
ENDURA THRESHOLD ZOBL4565
ALTERNATE



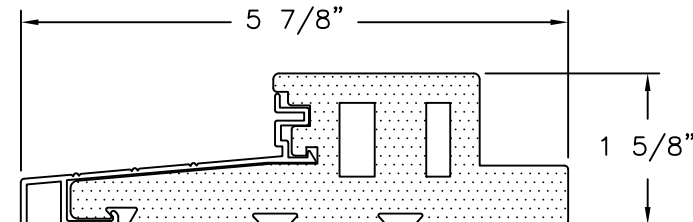
ENDURA THRESHOLD ZOBLH7815
ALTERNATE



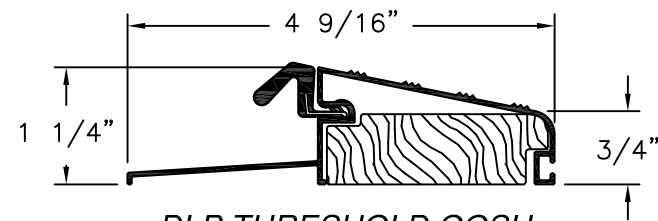
NEUMA HEAD FRAME & JAMB
COMPOSITE



DLP THRESHOLD QOSR
ALTERNATE



NEUMA SILL
ALTERNATE



DLP THRESHOLD QOSH
ALTERNATE

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
H	REVISED MANUFACTURER ADDRESS	07/10/2026	R.L.

NAN YA PLASTICS CORPORATION U.S.A.

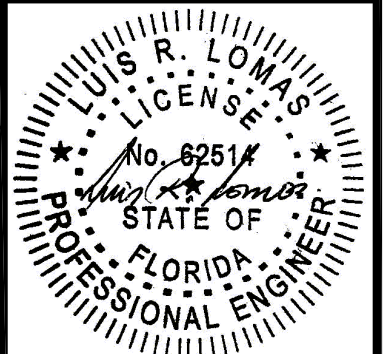
4016 SHADRACK ST.
HOUSTON, TX 77013

SLPS PATIO DOOR LITE 8'0 OUTSWING
LARGE MISSILE IMPACT - HVHZ
COMPONENTS

DRAWN: A.R.	DWG NO. 08-03323	REV H
SCALE NTS	DATE 09/27/18	SHEET 21 OF 23

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

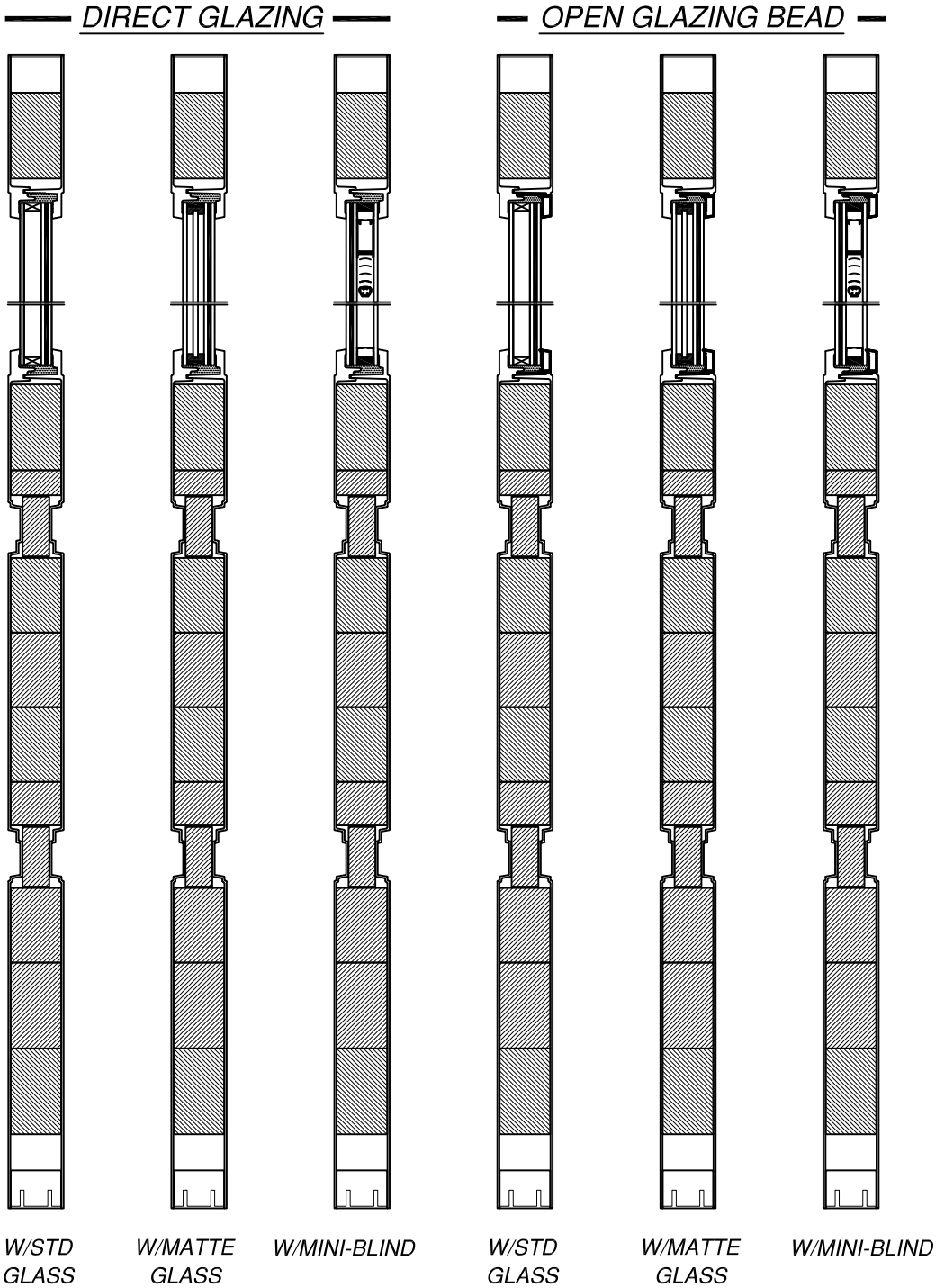
SIGNED: 07/10/2026



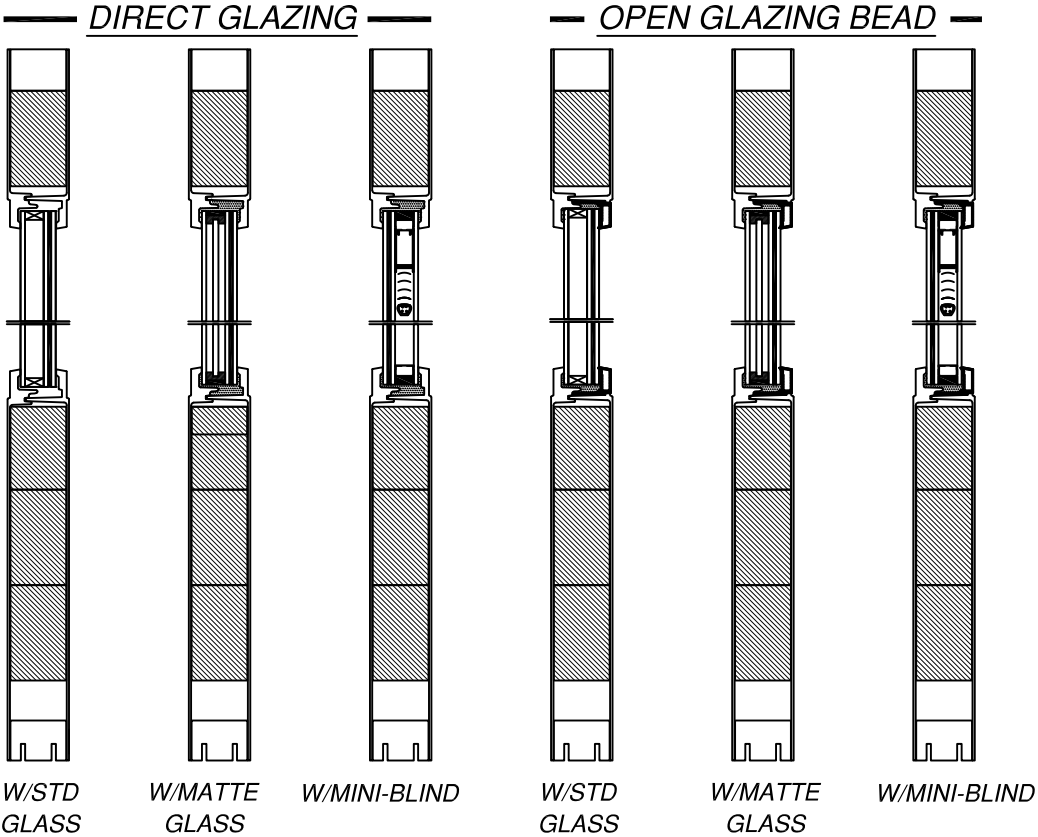
Luis R. Lomas P.E.
FL No.: 62514

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
H	REVISED MANUFACTURER ADDRESS	07/10/2026	R.L.

APPROVED PANEL CONFIGURATIONS
3/4 LITE

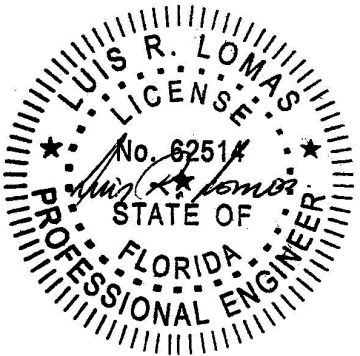


APPROVED PANEL CONFIGURATIONS
FULL LITE



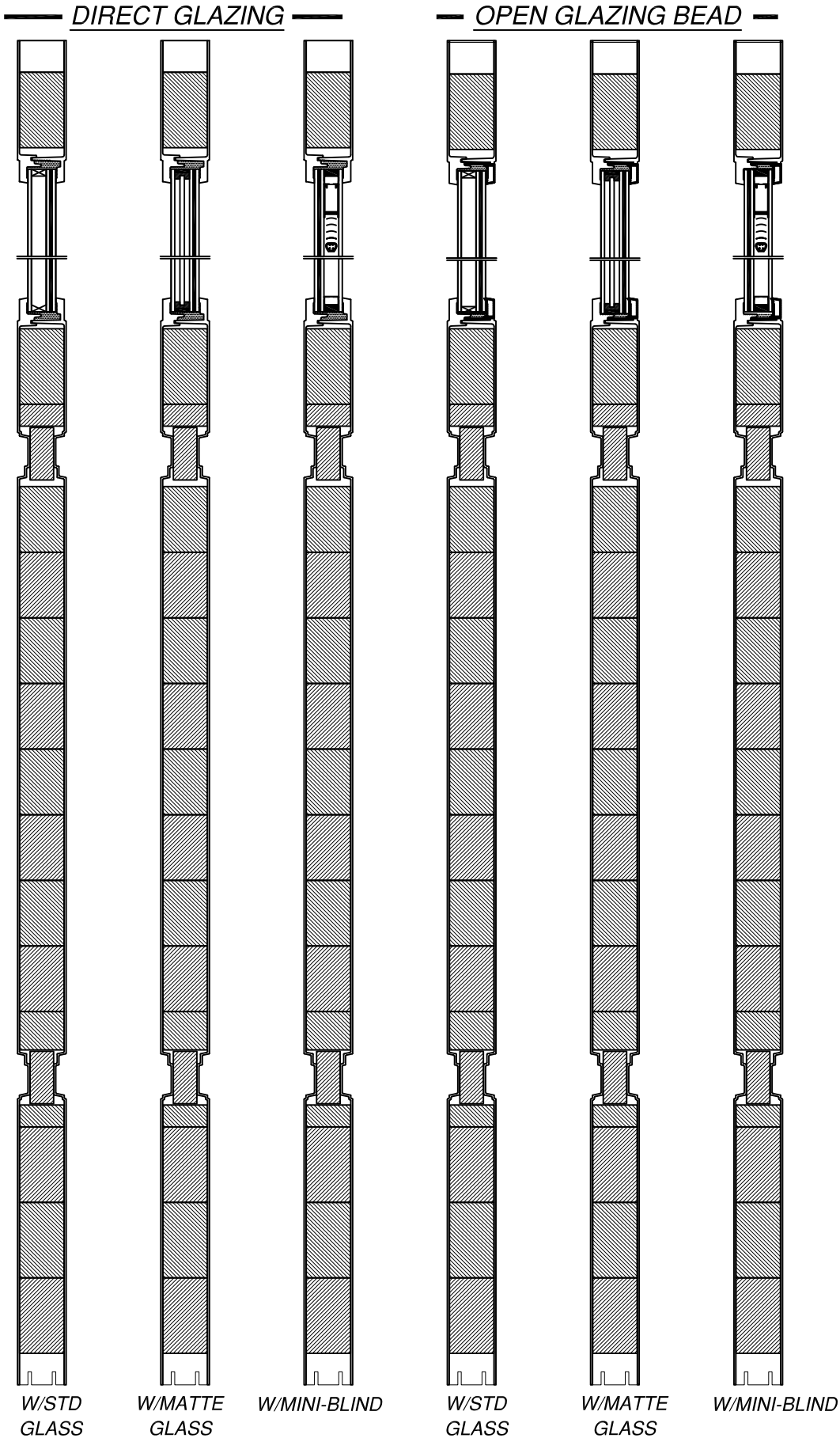
SIGNED: 07/10/2026

NAN YA PLASTICS CORPORATION U.S.A. 4016 SHADRACK ST. HOUSTON, TX 77013		
SLPS PATIO DOOR LITE 8'0 OUTSWING LARGE MISSILE IMPACT – HVHZ APPROVED PANEL CONFIGURATIONS		
DRAWN: A.R.	DWG NO. 08-03323	REV H
SCALE NTS	DATE 09/27/18	SHEET 22 OF 23
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

APPROVED PANEL CONFIGURATIONS
1/2 LITE



REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
H	REVISED MANUFACTURER ADDRESS	07/10/2026	R.L.

SIGNED: 07/10/2026

NAN YA PLASTICS CORPORATION U.S.A.

4016 SHADRACK ST.
HOUSTON, TX 77013

SLPS PATIO DOOR LITE 8'0 OUTSWING
LARGE MISSILE IMPACT – HVHZ
APPROVED PANEL CONFIGURATIONS

DRAWN:
A.R.

DWG NO.
08-03323

REV
H

SCALE NTS

DATE 09/27/18

SHEET 23 OF 23

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